

Pantheon Report

Generated at 2018-02-27 10:47:12 (UTC).

Data path: Colombia ppp0 (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 3 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).

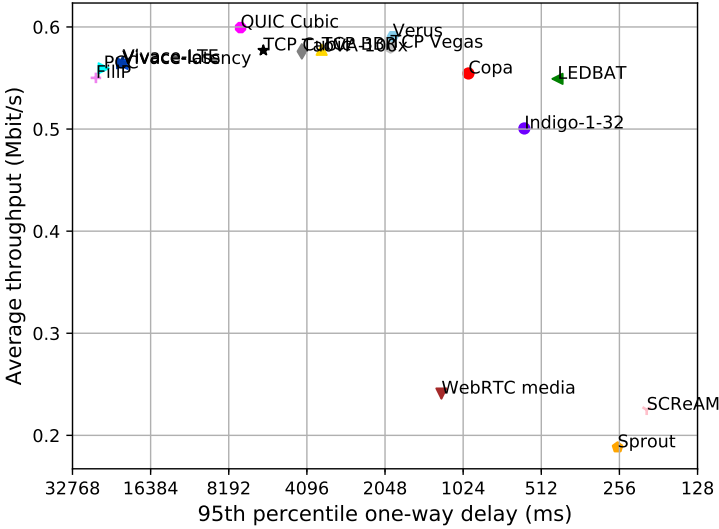
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

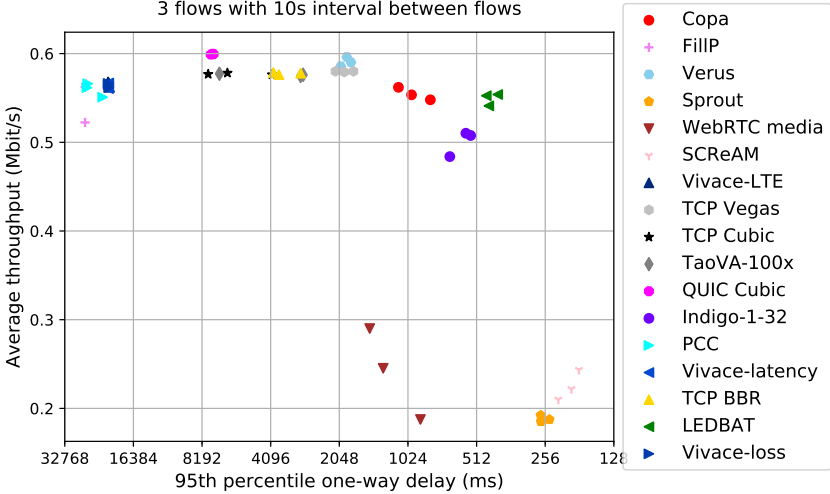
Git summary:

```
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 @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
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 Colombia ppp0 to AWS Brazil 2 Ethernet, 3 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia ppp0 to AWS Brazil 2 Ethernet, 3 runs of 30s each per scheme
 3 flows with 10s interval between flows



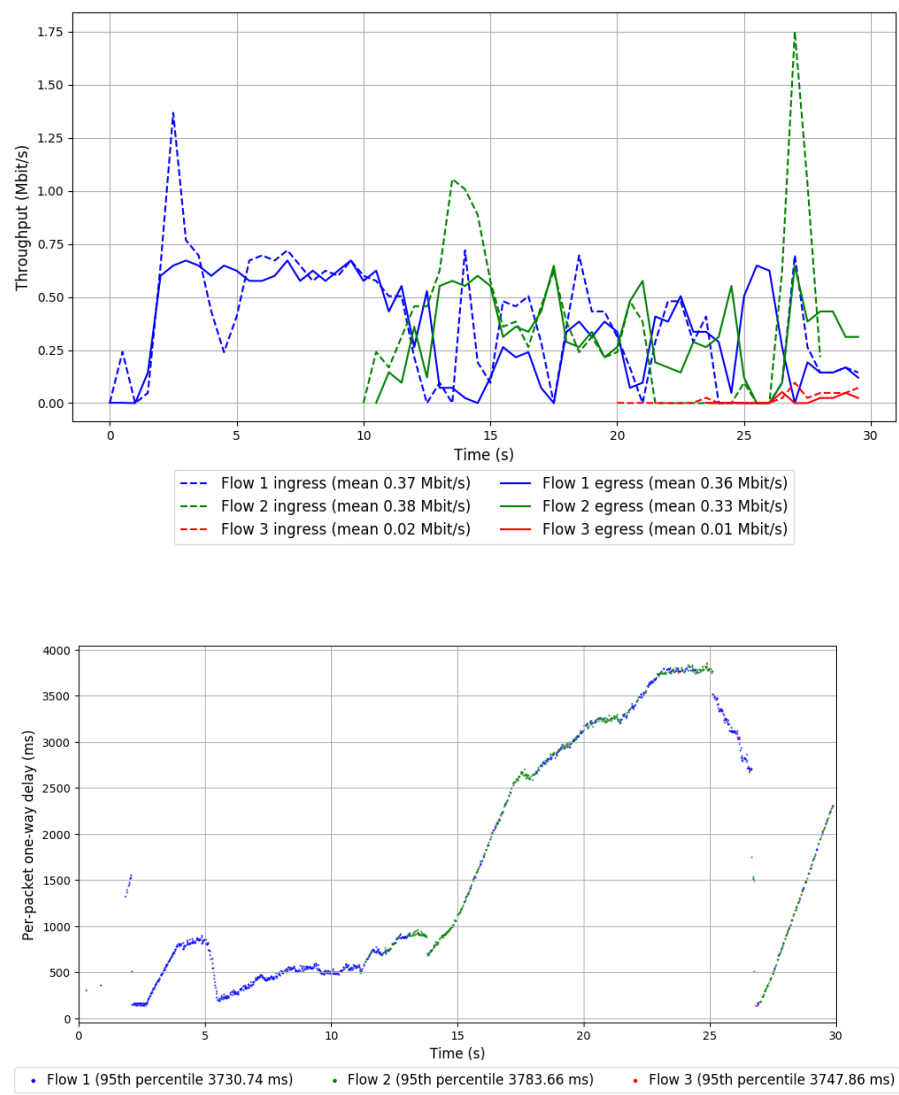
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	3	0.36	0.33	0.02	3569.33	3604.53	3251.94	3.13	7.18	47.37
TCP Cubic	3	0.56	0.04	0.00	6020.16	5594.81	5891.52	17.23	42.62	79.45
LEDBAT	3	0.22	0.38	0.23	353.41	449.93	467.06	0.55	1.19	8.41
PCC	3	0.56	0.00	N/A	24840.01	N/A	N/A	98.62	N/A	N/A
QUIC Cubic	3	0.56	0.06	0.00	7342.96	7622.23	7397.54	29.13	32.75	33.33
SCReAM	3	0.08	0.13	0.16	183.88	193.93	255.58	0.83	0.90	1.95
WebRTC media	3	0.05	0.12	0.10	1168.89	1055.20	1269.89	0.18	3.09	5.64
Sprout	3	0.09	0.09	0.10	476.69	211.78	278.65	1.63	1.15	3.99
TaoVA-100x	3	0.36	0.29	0.14	3709.96	4443.37	4403.05	10.87	12.75	49.67
TCP Vegas	3	0.40	0.20	0.19	1810.06	1947.35	2136.79	3.62	6.97	25.11
Verus	3	0.58	0.01	0.01	1912.82	1903.84	1872.99	5.35	5.68	9.70
Copa	3	0.35	0.22	0.17	929.95	1012.06	1131.99	5.39	9.11	18.64
FillP	3	0.55	0.00	N/A	26618.53	N/A	N/A	98.55	N/A	N/A
Indigo-1-32	3	0.26	0.21	0.34	547.67	667.39	572.00	1.31	1.93	4.96
Vivace-latency	3	0.56	0.00	N/A	21033.63	N/A	N/A	71.51	N/A	N/A
Vivace-loss	3	0.57	0.00	N/A	21100.53	N/A	N/A	89.20	N/A	N/A
Vivace-LTE	3	0.57	0.00	N/A	21001.12	N/A	N/A	71.28	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-02-27 08:35:54
End at: 2018-02-27 08:36:24
Local clock offset: -5.359 ms
Remote clock offset: -0.757 ms

Below is generated by plot.py at 2018-02-27 10:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 3766.875 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 3730.744 ms
Loss rate: 3.61%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 3783.665 ms
Loss rate: 8.14%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 3747.857 ms
Loss rate: 54.99%

Run 1: Report of TCP BBR — Data Link

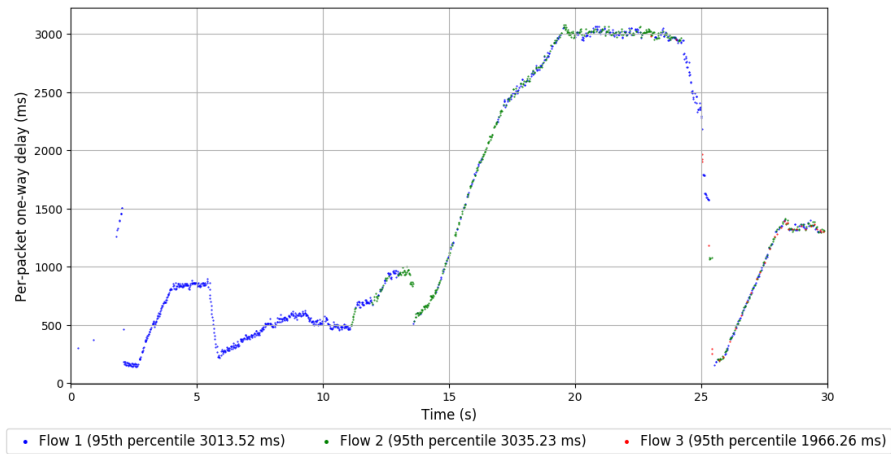
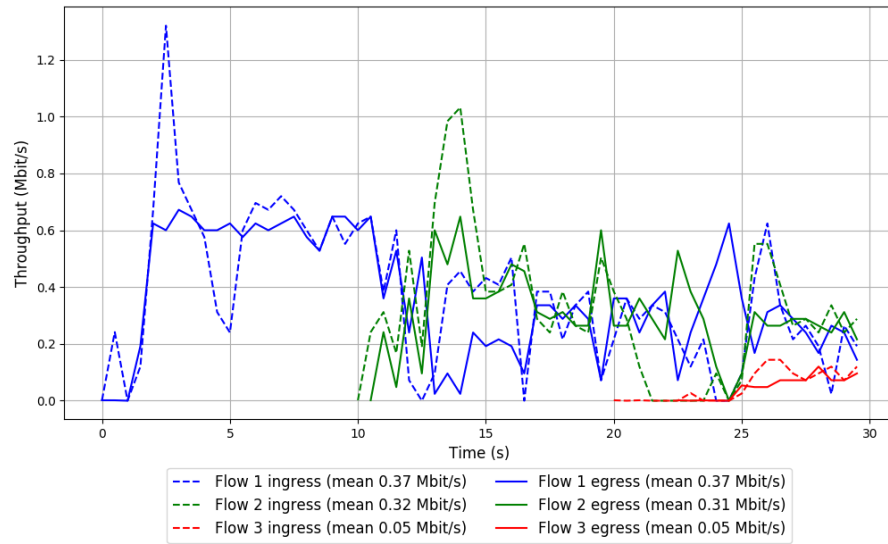


Run 2: Statistics of TCP BBR

Start at: 2018-02-27 08:58:22
End at: 2018-02-27 08:58:52
Local clock offset: -6.545 ms
Remote clock offset: -0.724 ms

Below is generated by plot.py at 2018-02-27 10:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 3024.988 ms
Loss rate: 4.37%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 3013.520 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 3035.230 ms
Loss rate: 6.28%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1966.261 ms
Loss rate: 28.32%

Run 2: Report of TCP BBR — Data Link

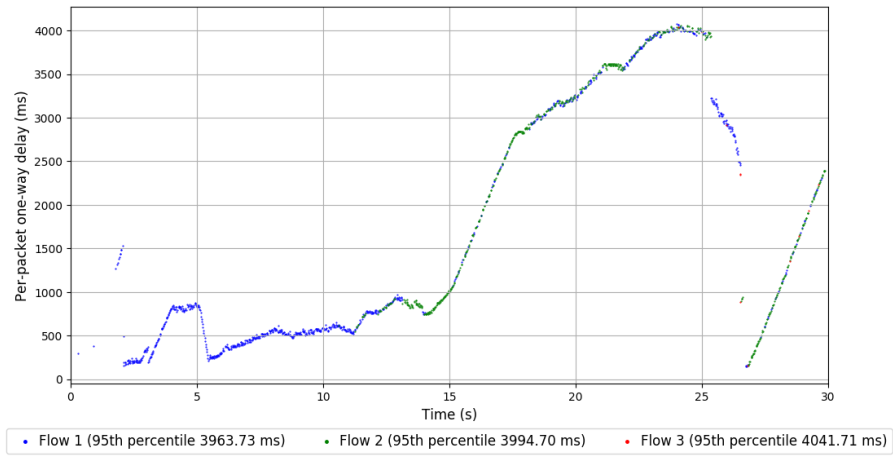
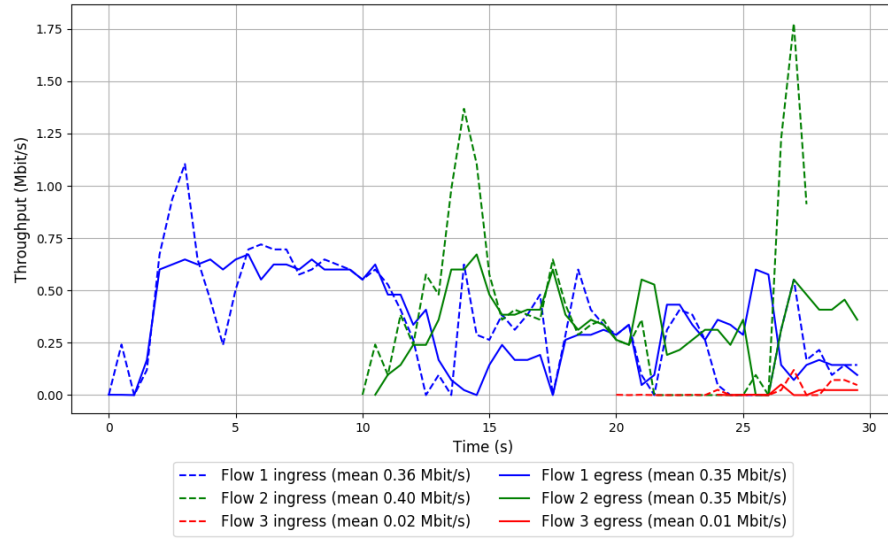


Run 3: Statistics of TCP BBR

Start at: 2018-02-27 09:20:50
End at: 2018-02-27 09:21:20
Local clock offset: -6.764 ms
Remote clock offset: -5.699 ms

Below is generated by plot.py at 2018-02-27 10:46:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 3984.681 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 3963.734 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 3994.698 ms
Loss rate: 7.12%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 4041.706 ms
Loss rate: 58.79%

Run 3: Report of TCP BBR — Data Link

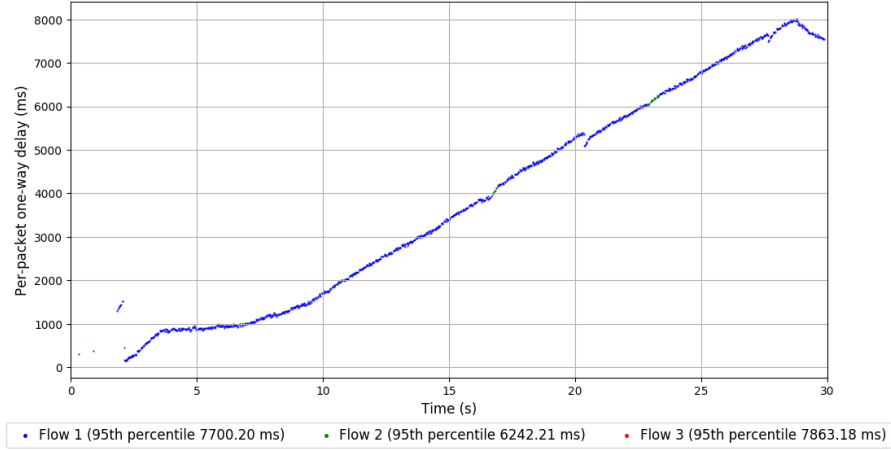
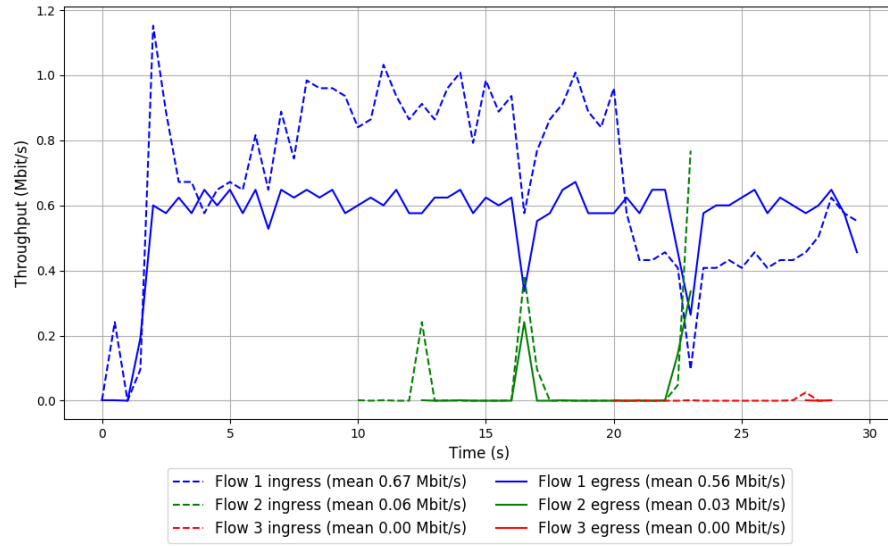


Run 1: Statistics of TCP Cubic

Start at: 2018-02-27 08:37:08
End at: 2018-02-27 08:37:38
Local clock offset: -5.745 ms
Remote clock offset: -0.769 ms

Below is generated by plot.py at 2018-02-27 10:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 7700.200 ms
Loss rate: 18.77%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 7700.200 ms
Loss rate: 17.41%
-- Flow 2:
Average throughput: 0.03 Mbit/s
95th percentile per-packet one-way delay: 6242.206 ms
Loss rate: 52.87%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7863.183 ms
Loss rate: 90.68%

Run 1: Report of TCP Cubic — Data Link

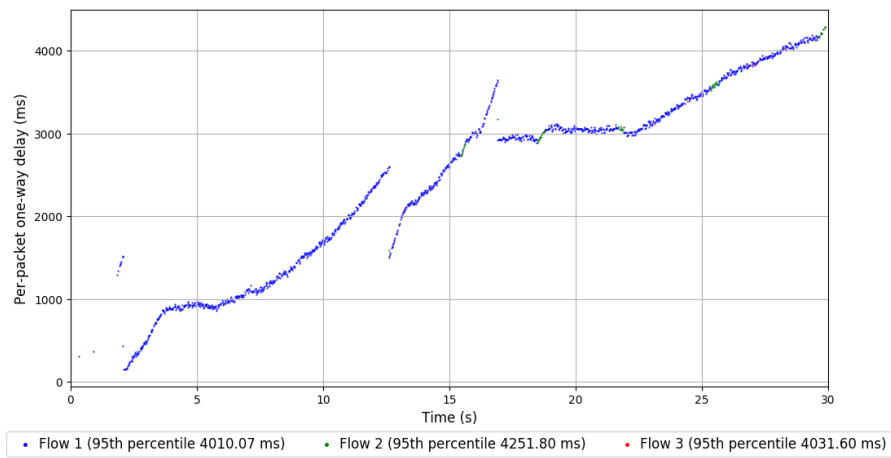
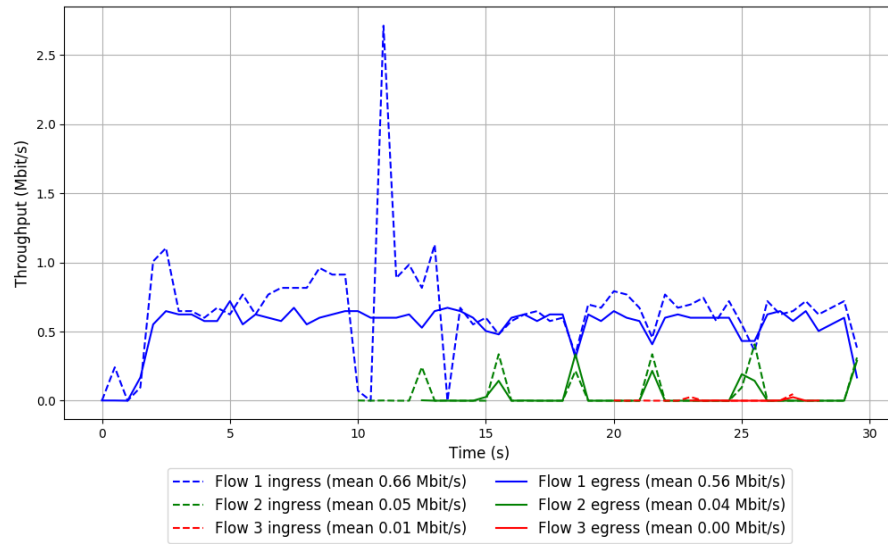


Run 2: Statistics of TCP Cubic

Start at: 2018-02-27 08:59:36
End at: 2018-02-27 09:00:06
Local clock offset: -6.594 ms
Remote clock offset: -1.544 ms

Below is generated by plot.py at 2018-02-27 10:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 4039.747 ms
Loss rate: 18.07%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 4010.074 ms
Loss rate: 17.35%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 4251.797 ms
Loss rate: 30.75%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4031.603 ms
Loss rate: 61.12%

Run 2: Report of TCP Cubic — Data Link

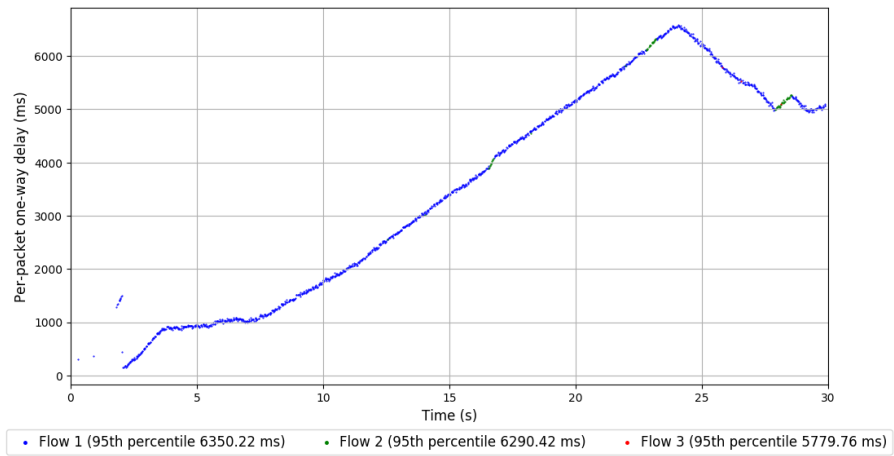
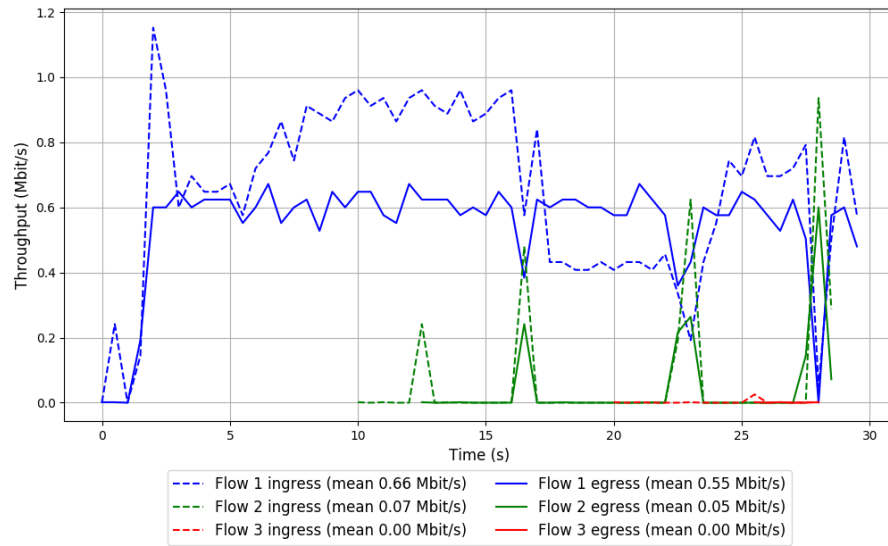


Run 3: Statistics of TCP Cubic

Start at: 2018-02-27 09:22:04
End at: 2018-02-27 09:22:34
Local clock offset: -6.646 ms
Remote clock offset: -4.737 ms

Below is generated by plot.py at 2018-02-27 10:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 6340.156 ms
Loss rate: 18.77%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 6350.219 ms
Loss rate: 16.92%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6290.421 ms
Loss rate: 44.23%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 5779.764 ms
Loss rate: 86.54%

Run 3: Report of TCP Cubic — Data Link

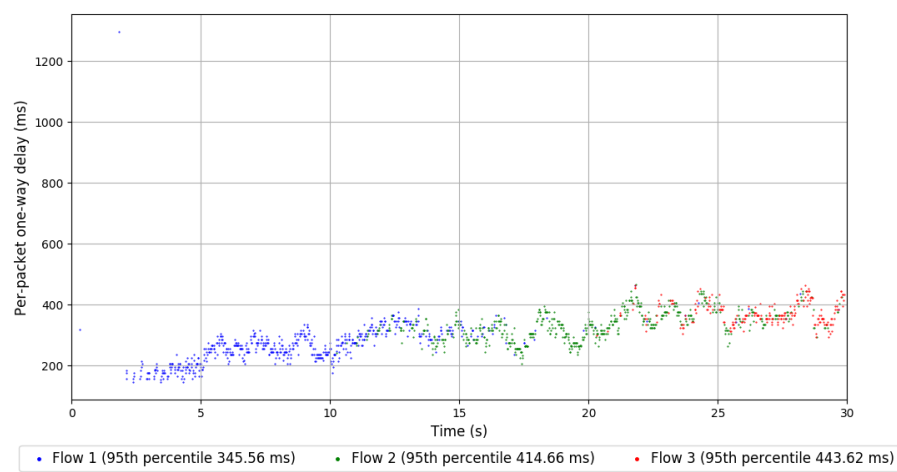
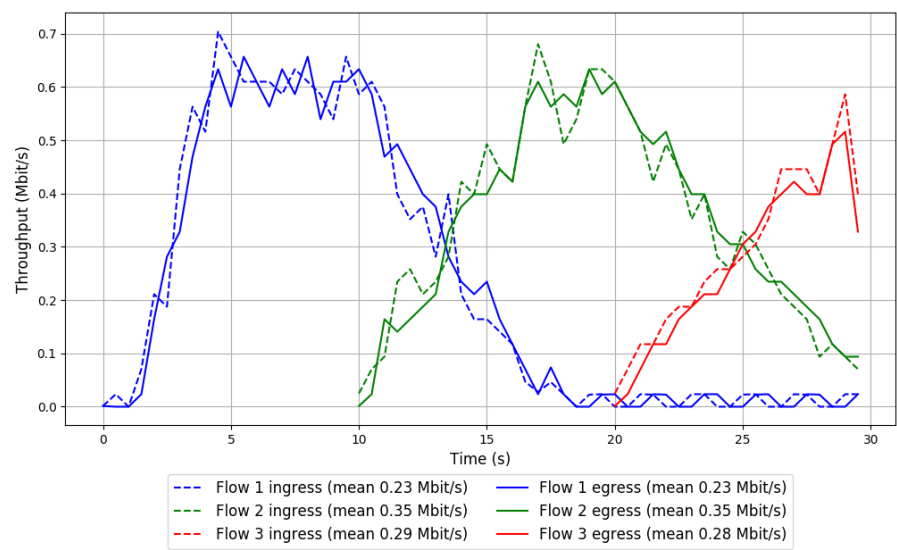


Run 1: Statistics of LEDBAT

Start at: 2018-02-27 08:40:54
End at: 2018-02-27 08:41:24
Local clock offset: -5.885 ms
Remote clock offset: -1.617 ms

Below is generated by plot.py at 2018-02-27 10:46:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 413.723 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 345.559 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 414.660 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 443.624 ms
Loss rate: 7.72%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-02-27 09:03:22

End at: 2018-02-27 09:03:52

Local clock offset: -6.704 ms

Remote clock offset: 0.207 ms

Below is generated by plot.py at 2018-02-27 10:46:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 452.585 ms

Loss rate: 2.45%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 352.766 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 462.566 ms

Loss rate: 1.84%

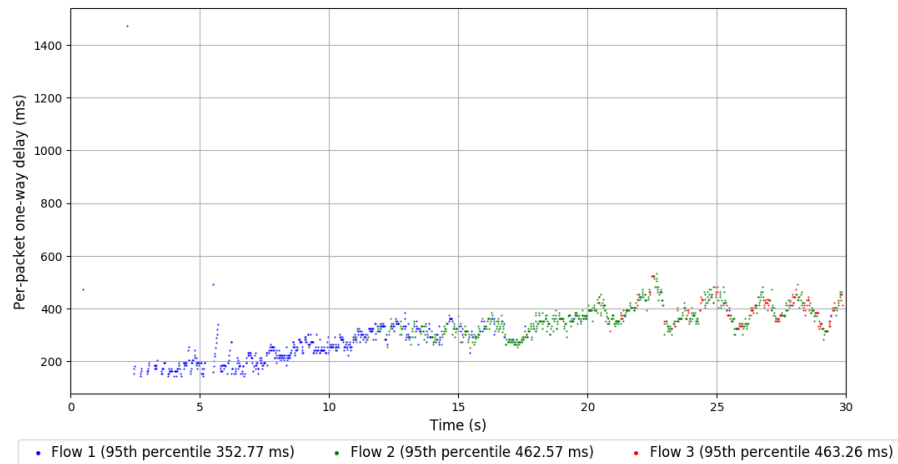
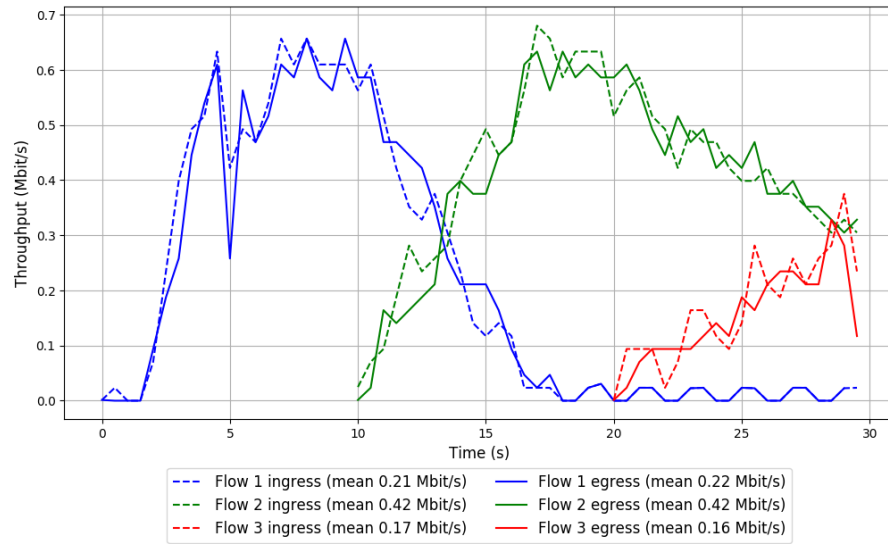
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 463.261 ms

Loss rate: 9.79%

Run 2: Report of LEDBAT — Data Link

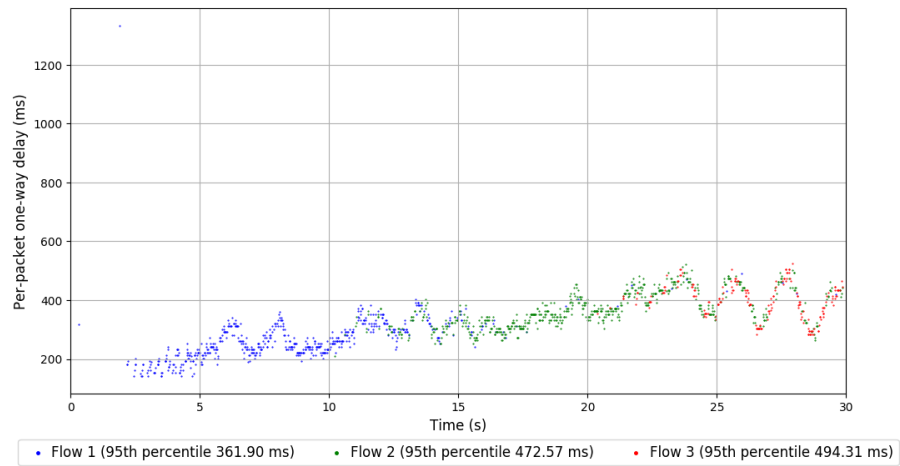
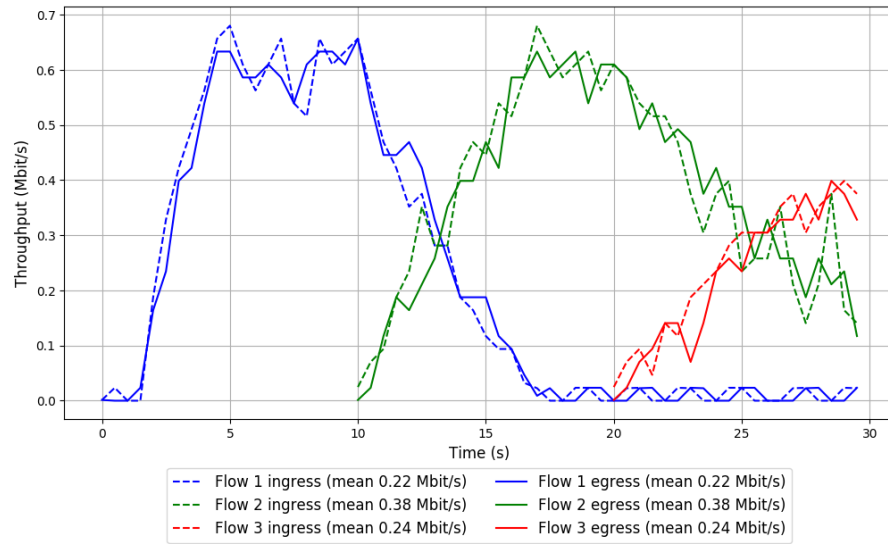


Run 3: Statistics of LEDBAT

Start at: 2018-02-27 09:25:49
End at: 2018-02-27 09:26:19
Local clock offset: -6.517 ms
Remote clock offset: -1.232 ms

Below is generated by plot.py at 2018-02-27 10:46:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 464.211 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 361.897 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 472.575 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 494.306 ms
Loss rate: 7.73%

Run 3: Report of LEDBAT — Data Link

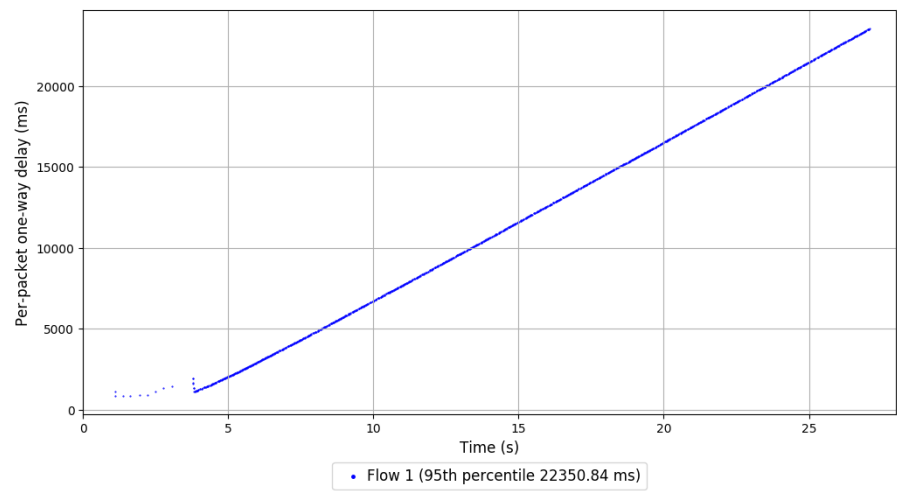
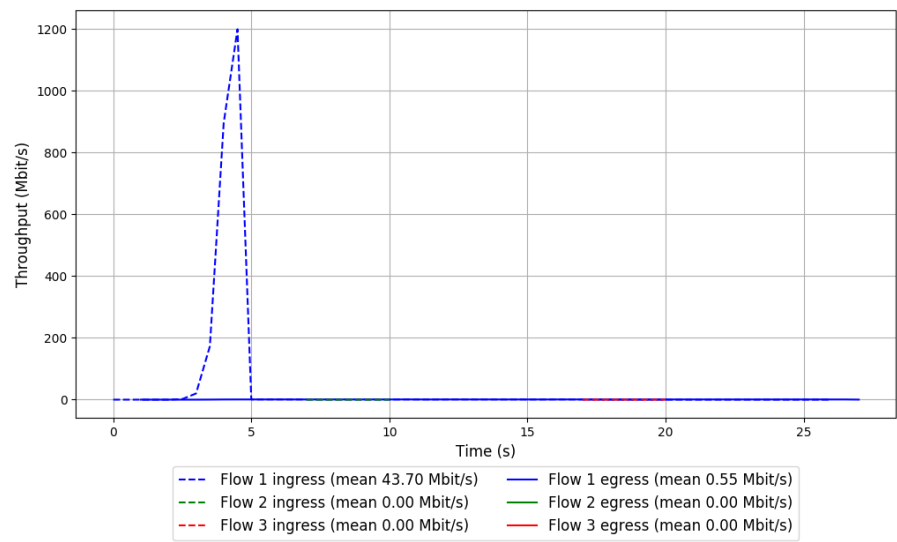


Run 1: Statistics of PCC

Start at: 2018-02-27 08:52:06
End at: 2018-02-27 08:52:36
Local clock offset: -6.417 ms
Remote clock offset: -5.106 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 22350.837 ms
Loss rate: 98.76%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 22350.837 ms
Loss rate: 98.76%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of PCC — Data Link

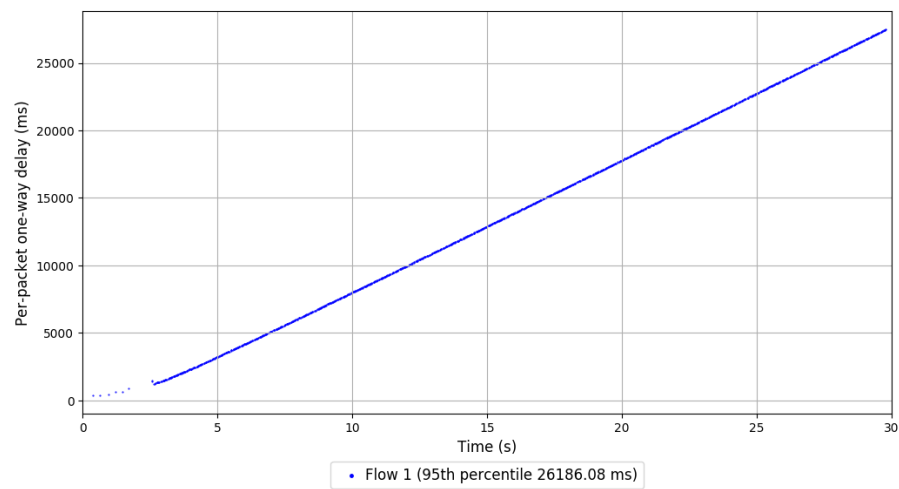
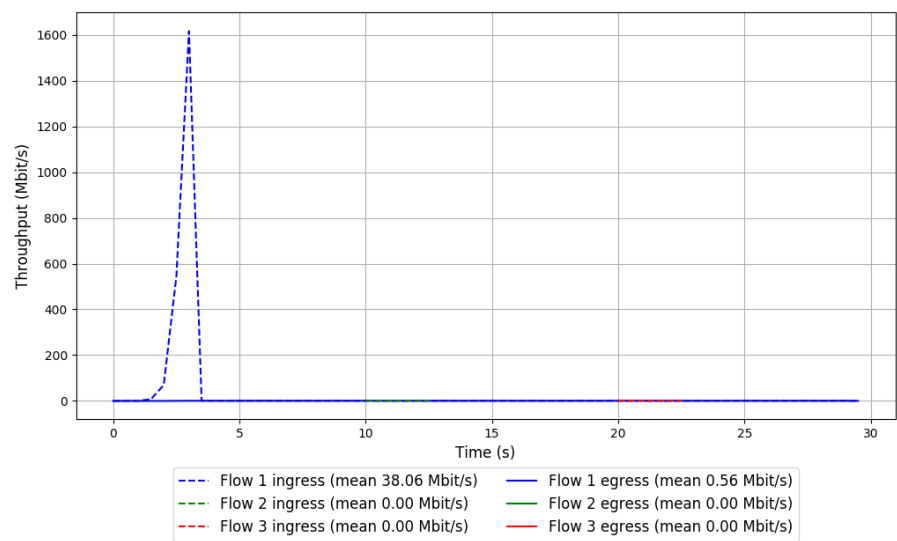


Run 2: Statistics of PCC

Start at: 2018-02-27 09:14:32
End at: 2018-02-27 09:15:02
Local clock offset: -6.946 ms
Remote clock offset: -5.774 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 26186.081 ms
Loss rate: 98.55%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 26186.081 ms
Loss rate: 98.55%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-02-27 09:36:58

End at: 2018-02-27 09:37:28

Local clock offset: -6.358 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-02-27 10:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 25983.120 ms

Loss rate: 98.55%

-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 25983.120 ms

Loss rate: 98.55%

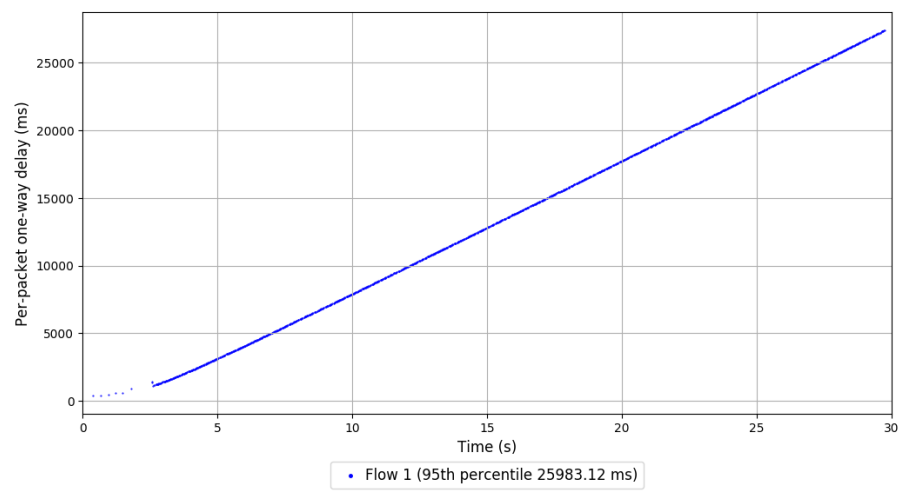
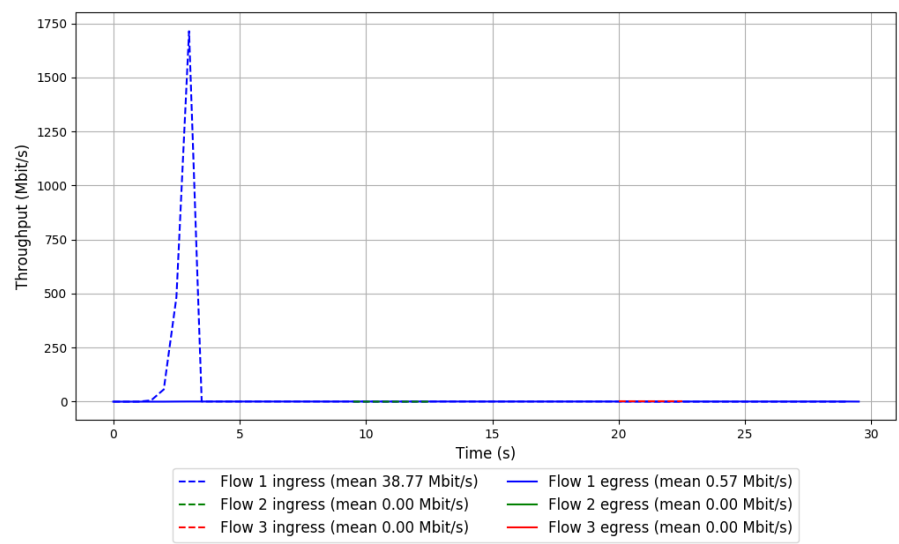
-- Flow 2:

Average throughput: 0.00 Mbit/s

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 3: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-02-27 08:43:23

End at: 2018-02-27 08:43:53

Local clock offset: -5.934 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-02-27 10:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 7291.216 ms

Loss rate: 29.32%

-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 7289.179 ms

Loss rate: 29.15%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7473.752 ms

Loss rate: 32.52%

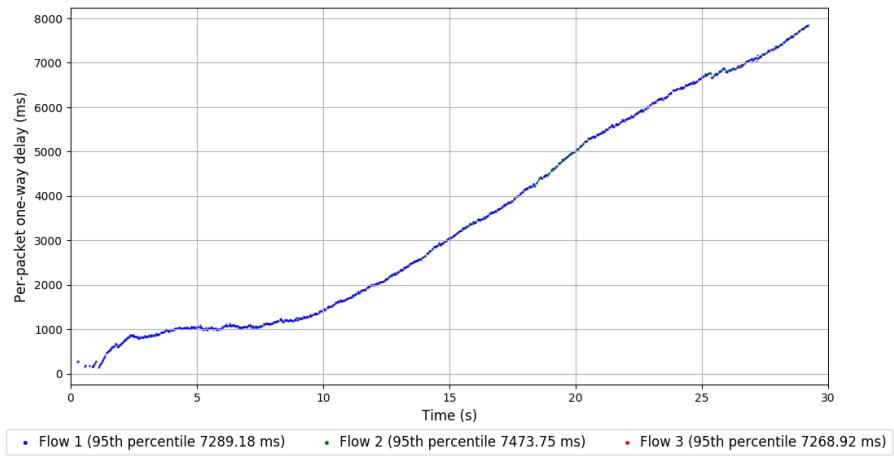
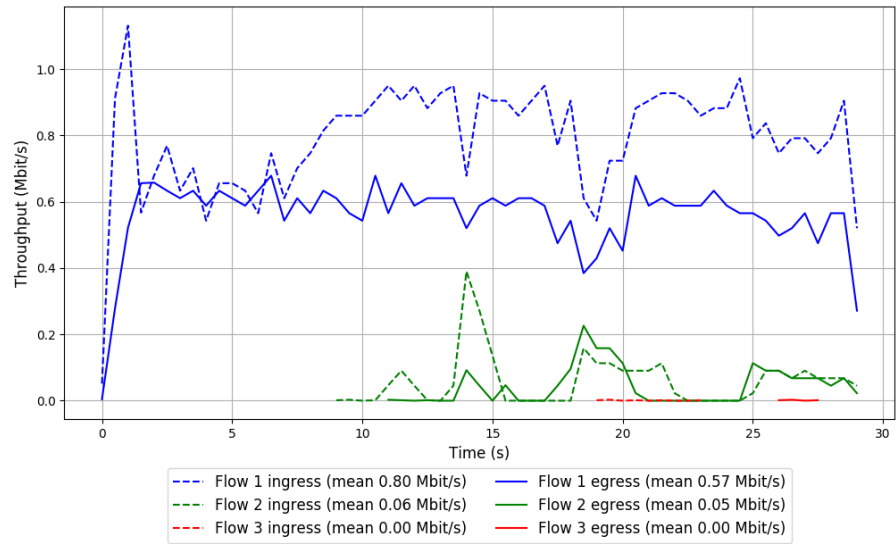
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 7268.921 ms

Loss rate: 33.33%

Run 1: Report of QUIC Cubic — Data Link

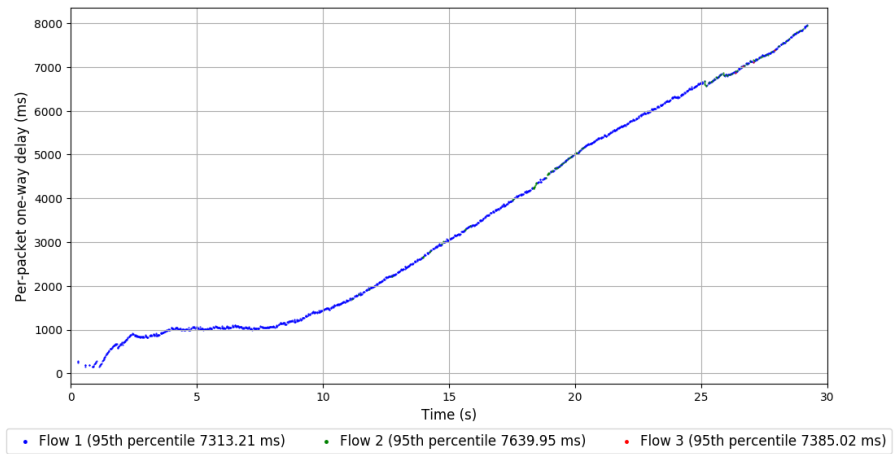
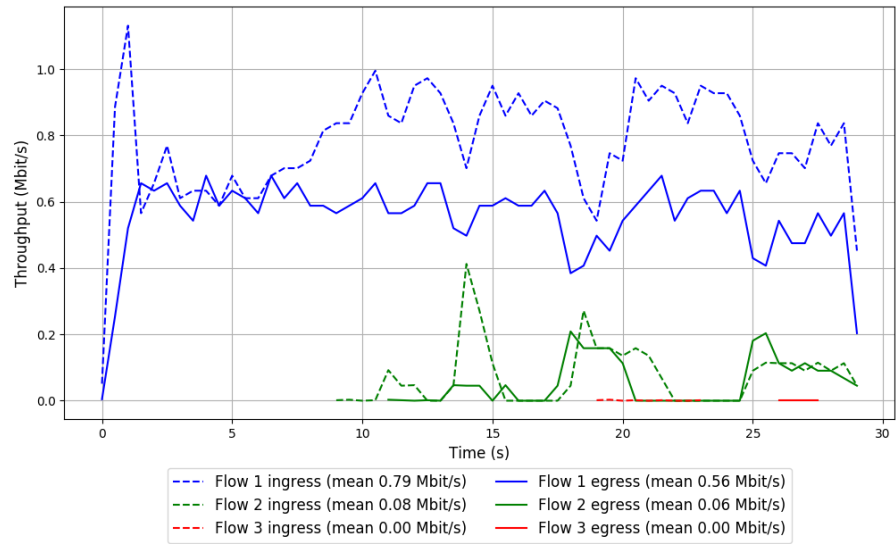


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-27 09:05:50
End at: 2018-02-27 09:06:20
Local clock offset: -6.758 ms
Remote clock offset: -5.814 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 7343.880 ms
Loss rate: 29.42%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 7313.209 ms
Loss rate: 29.15%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7639.954 ms
Loss rate: 33.49%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7385.020 ms
Loss rate: 33.33%

Run 2: Report of QUIC Cubic — Data Link

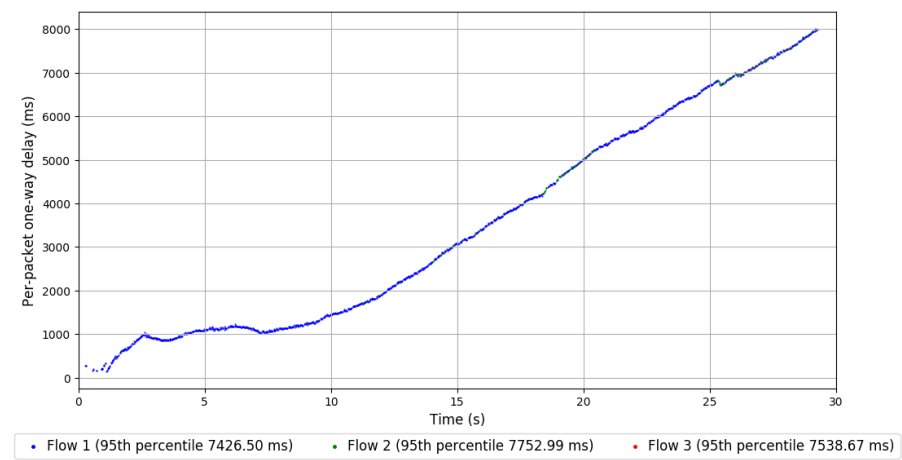
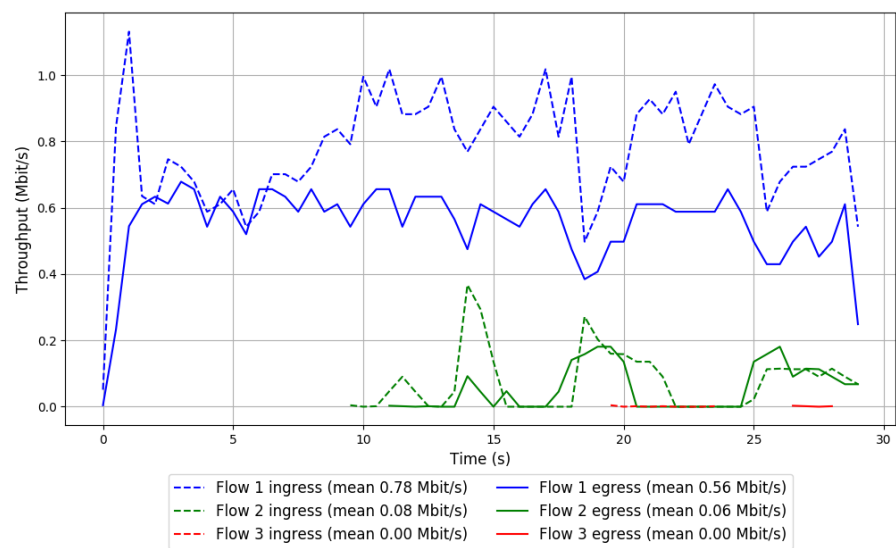


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-27 09:28:17
End at: 2018-02-27 09:28:47
Local clock offset: -6.445 ms
Remote clock offset: -5.654 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 7496.929 ms
Loss rate: 29.28%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 7426.499 ms
Loss rate: 29.08%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 7752.994 ms
Loss rate: 32.23%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7538.670 ms
Loss rate: 33.33%

Run 3: Report of QUIC Cubic — Data Link

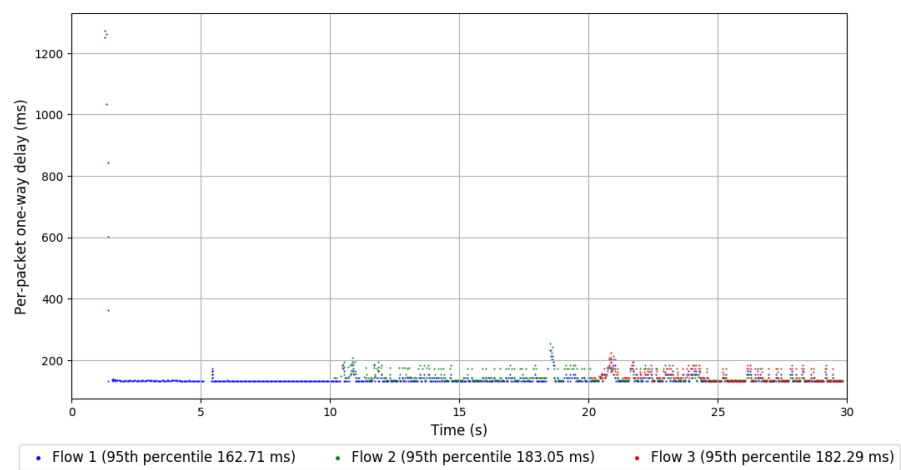
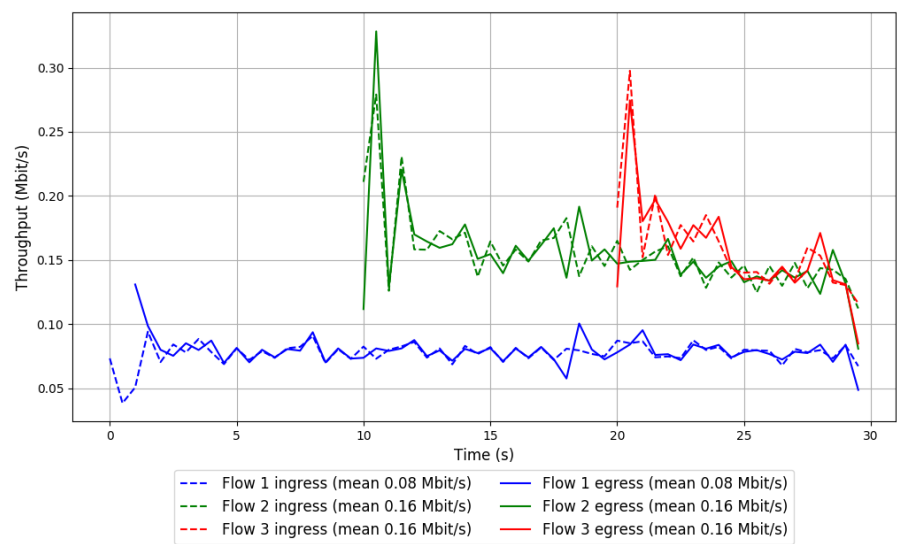


```
Run 1: Statistics of SCReAM

Start at: 2018-02-27 08:49:37
End at: 2018-02-27 08:50:07
Local clock offset: -5.975 ms
Remote clock offset: -0.816 ms

# Below is generated by plot.py at 2018-02-27 10:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 182.131 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 162.713 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 183.050 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 182.288 ms
Loss rate: 2.30%
```

Run 1: Report of SReAM — Data Link

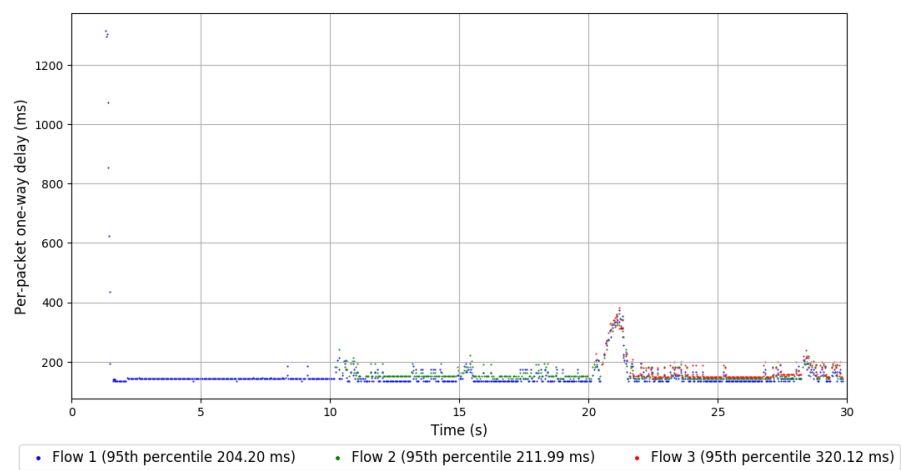
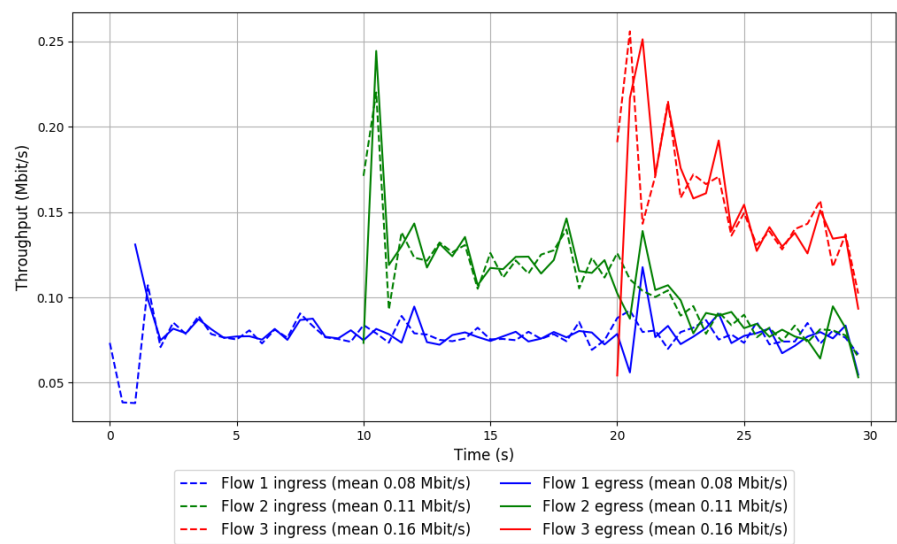


Run 2: Statistics of SCReAM

Start at: 2018-02-27 09:12:03
End at: 2018-02-27 09:12:33
Local clock offset: -6.894 ms
Remote clock offset: -4.907 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 224.305 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 204.201 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 211.994 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 320.125 ms
Loss rate: 1.93%

Run 2: Report of SReAM — Data Link

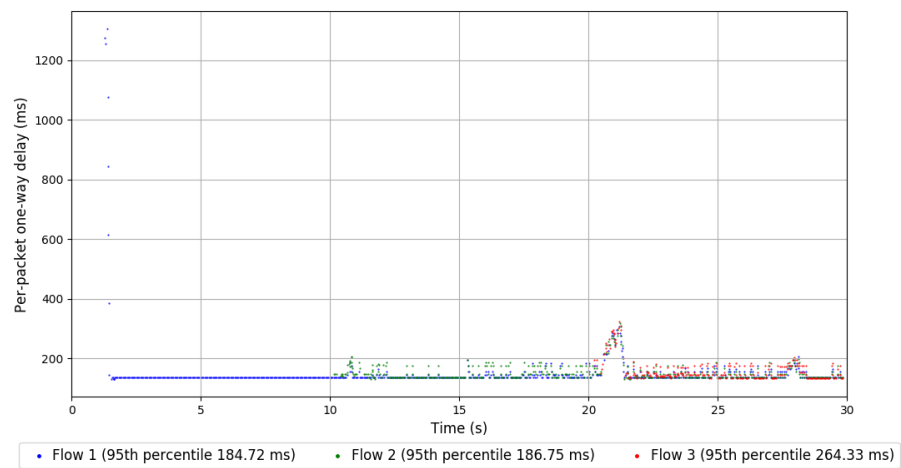
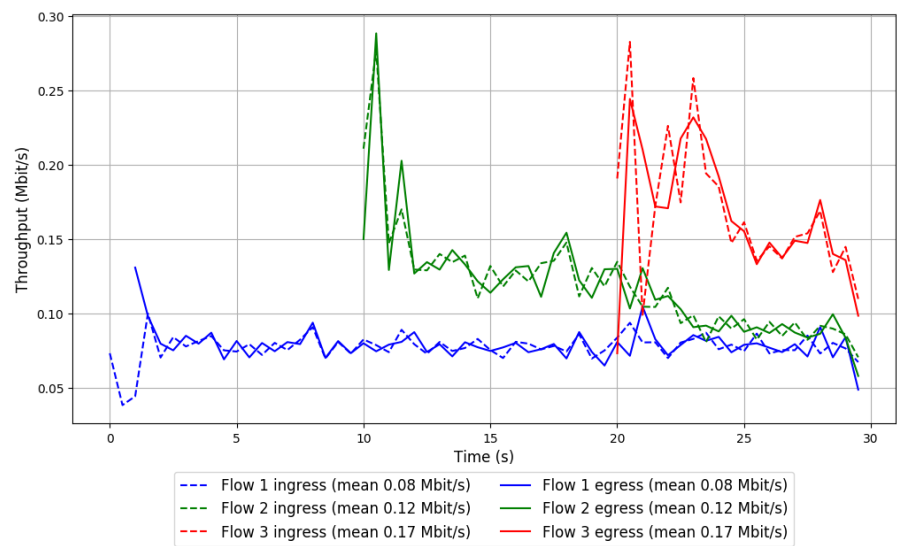


Run 3: Statistics of SReAM

Start at: 2018-02-27 09:34:30
End at: 2018-02-27 09:35:00
Local clock offset: -6.379 ms
Remote clock offset: -1.281 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 196.504 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 184.717 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 186.746 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 264.333 ms
Loss rate: 1.61%

Run 3: Report of SCRaM — Data Link

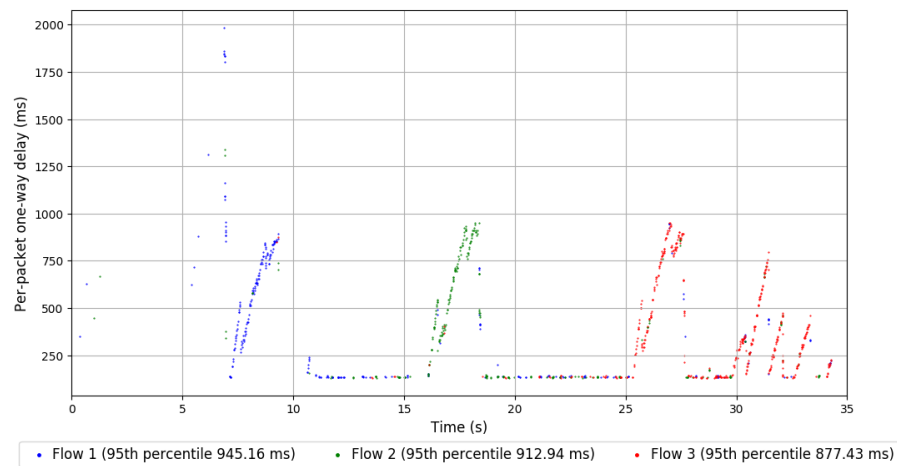
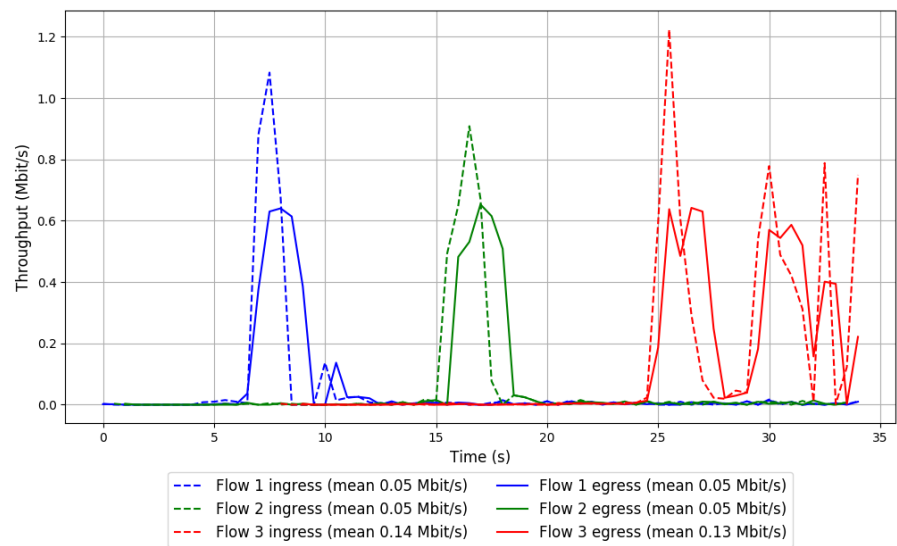


Run 1: Statistics of WebRTC media

Start at: 2018-02-27 08:38:23
End at: 2018-02-27 08:38:53
Local clock offset: -5.868 ms
Remote clock offset: -6.014 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 902.828 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 945.160 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 912.938 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 877.432 ms
Loss rate: 9.08%

Run 1: Report of WebRTC media — Data Link

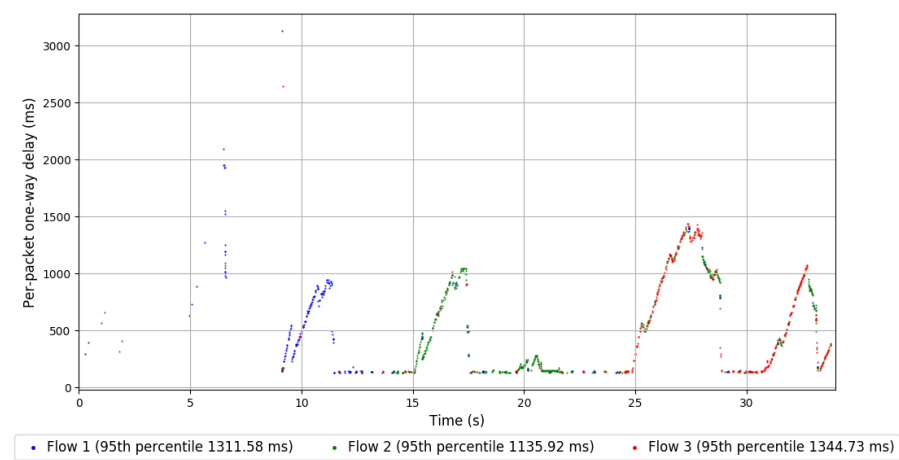
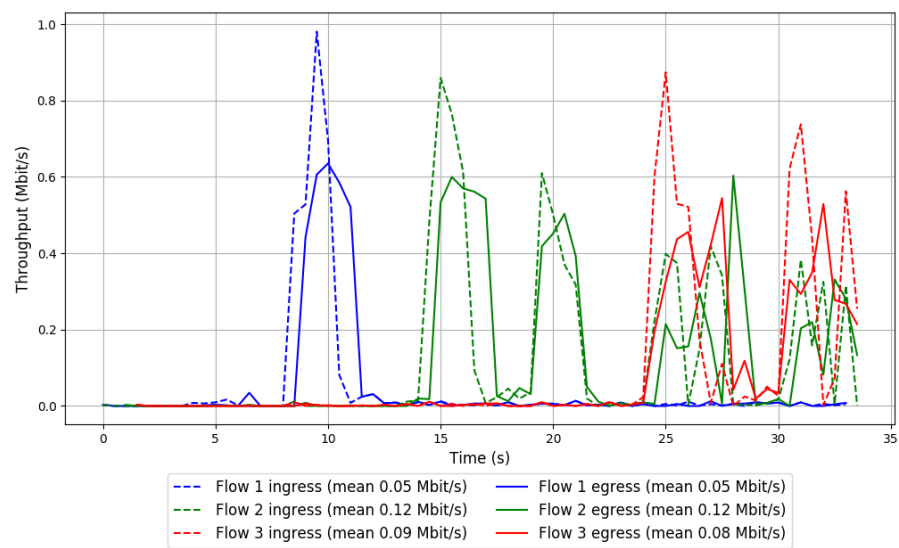


Run 2: Statistics of WebRTC media

Start at: 2018-02-27 09:00:51
End at: 2018-02-27 09:01:21
Local clock offset: -6.627 ms
Remote clock offset: -5.915 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 1314.744 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1311.583 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 1135.922 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 1344.726 ms
Loss rate: 7.56%

Run 2: Report of WebRTC media — Data Link

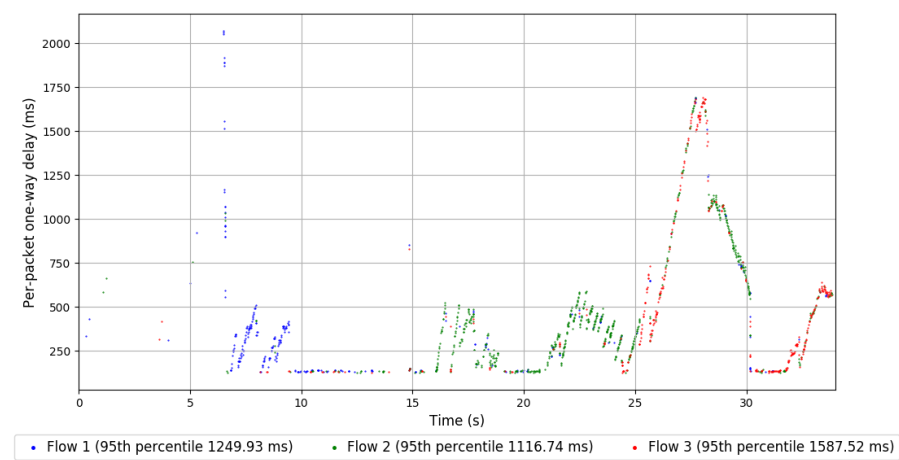
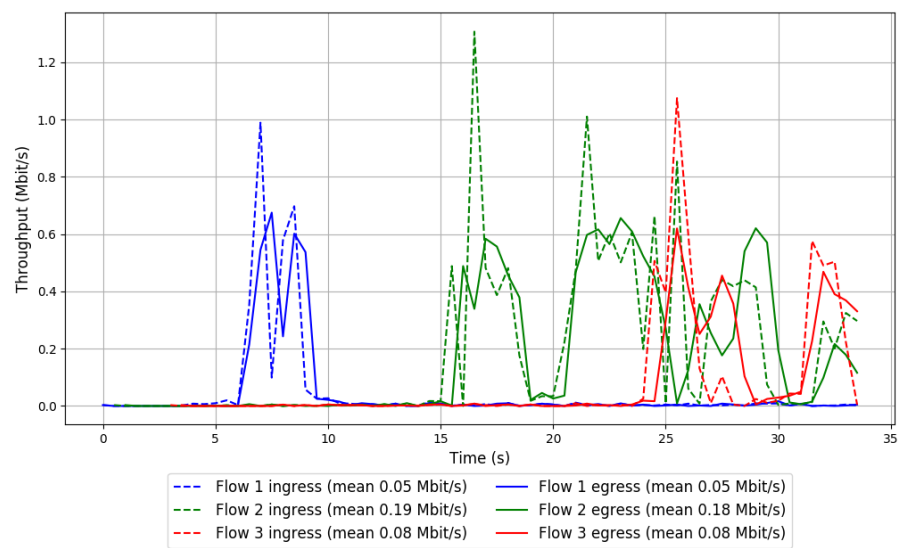


Run 3: Statistics of WebRTC media

Start at: 2018-02-27 09:23:19
End at: 2018-02-27 09:23:49
Local clock offset: -6.633 ms
Remote clock offset: -1.295 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 1507.014 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 1249.927 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 1116.744 ms
Loss rate: 8.17%
-- Flow 3:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 1587.520 ms
Loss rate: 0.28%

Run 3: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-02-27 08:48:22

End at: 2018-02-27 08:48:52

Local clock offset: -6.214 ms

Remote clock offset: -6.08 ms

Below is generated by plot.py at 2018-02-27 10:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 267.325 ms

Loss rate: 2.03%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 350.198 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 221.451 ms

Loss rate: 1.33%

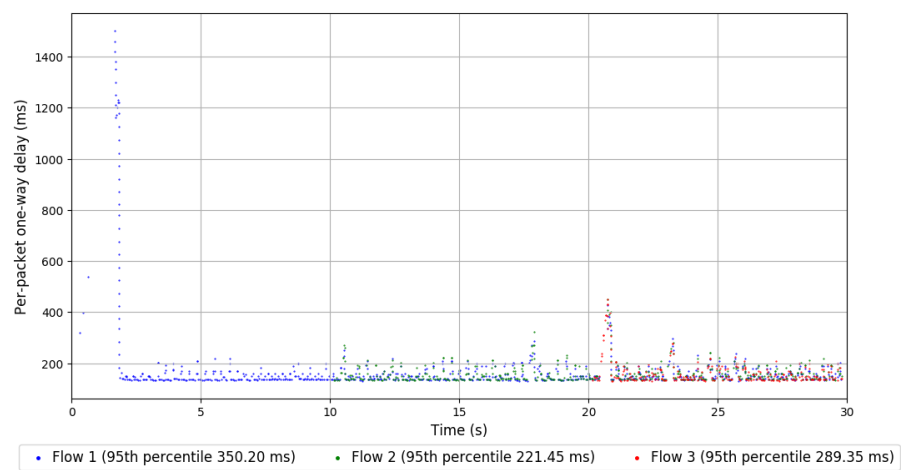
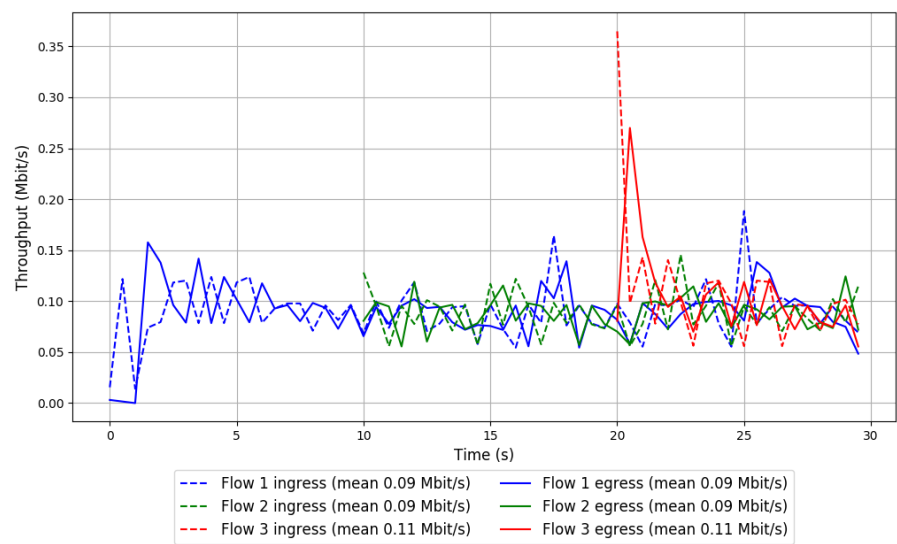
-- Flow 3:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 289.346 ms

Loss rate: 5.37%

Run 1: Report of Sprout — Data Link

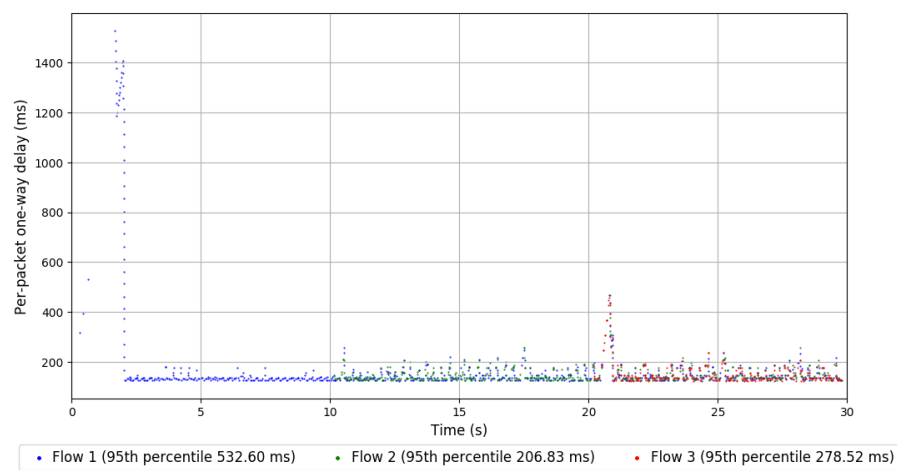
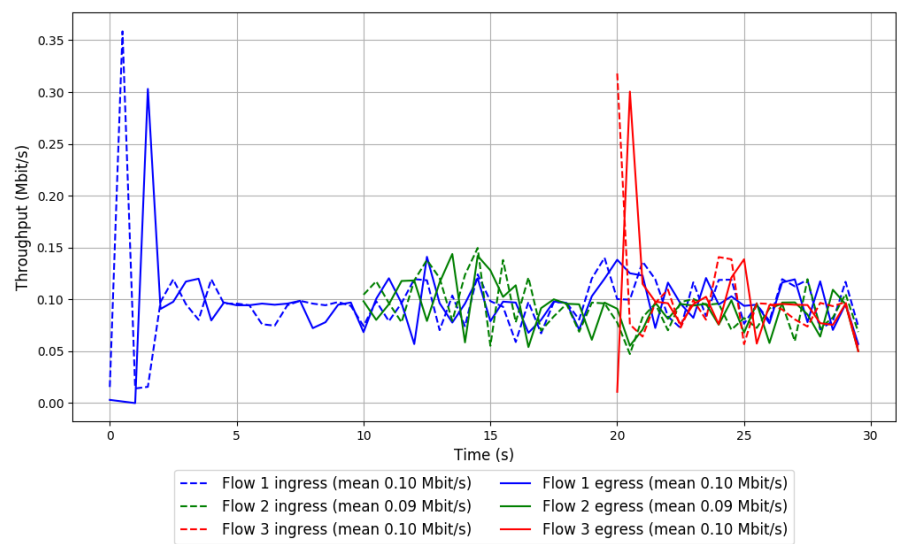


Run 2: Statistics of Sprout

Start at: 2018-02-27 09:10:48
End at: 2018-02-27 09:11:18
Local clock offset: -6.915 ms
Remote clock offset: 0.272 ms

```
# Below is generated by plot.py at 2018-02-27 10:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 267.953 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 532.601 ms
Loss rate: 2.17%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 206.826 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 278.520 ms
Loss rate: 3.17%
```

Run 2: Report of Sprout — Data Link

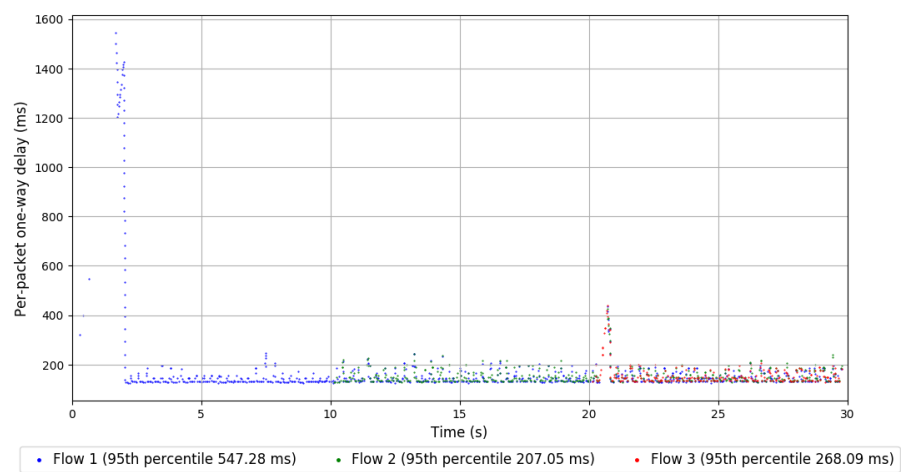
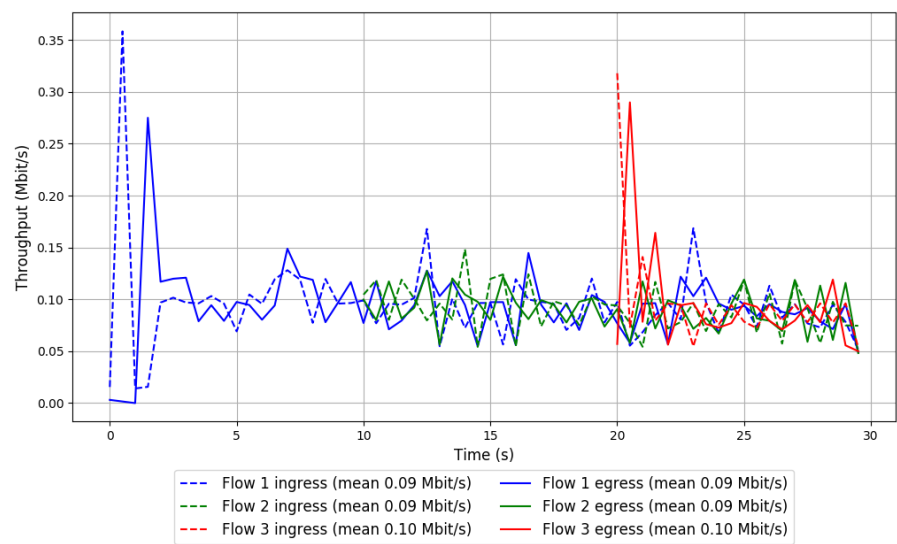


Run 3: Statistics of Sprout

Start at: 2018-02-27 09:33:15
End at: 2018-02-27 09:33:45
Local clock offset: -6.437 ms
Remote clock offset: 0.336 ms

```
# Below is generated by plot.py at 2018-02-27 10:46:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 245.408 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 547.276 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 207.054 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 268.093 ms
Loss rate: 3.42%
```

Run 3: Report of Sprout — Data Link

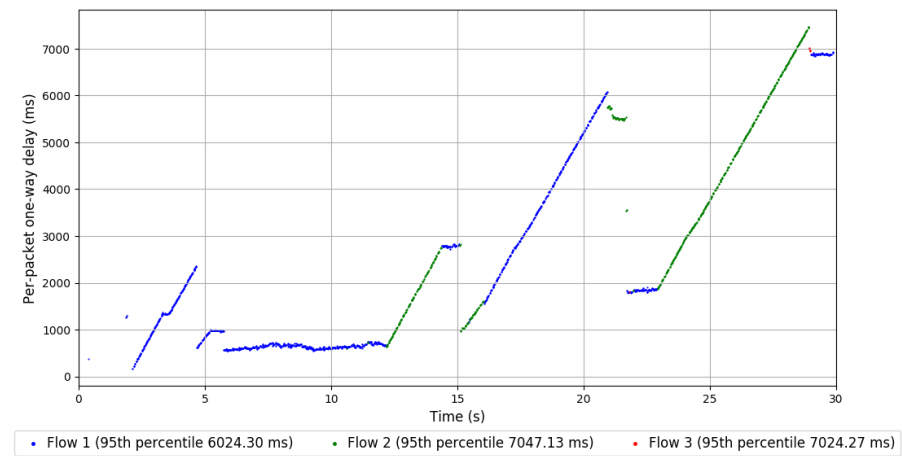
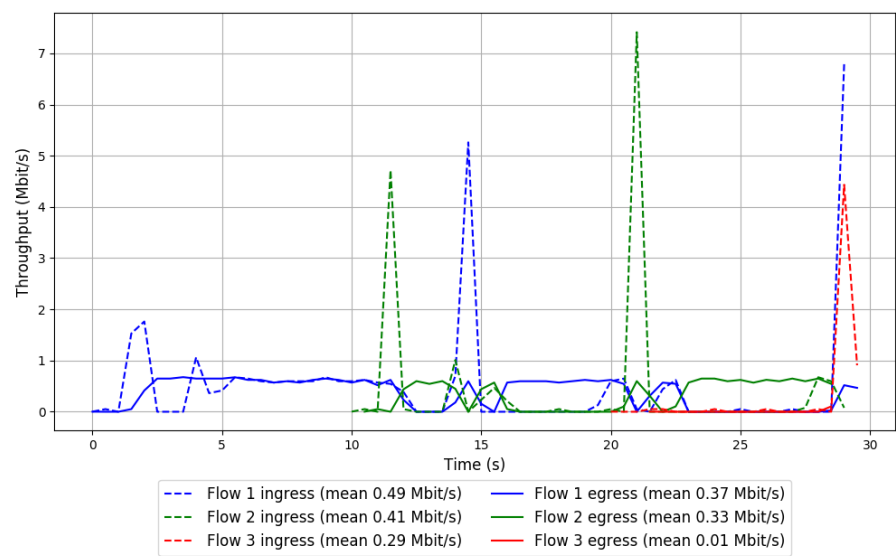


Run 1: Statistics of TaoVA-100x

Start at: 2018-02-27 08:44:39
End at: 2018-02-27 08:45:09
Local clock offset: -5.649 ms
Remote clock offset: -0.854 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 6872.920 ms
Loss rate: 32.01%
-- Flow 1:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 6024.301 ms
Loss rate: 24.38%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 7047.129 ms
Loss rate: 22.41%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 7024.268 ms
Loss rate: 98.11%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-02-27 09:07:05

End at: 2018-02-27 09:07:35

Local clock offset: -6.857 ms

Remote clock offset: -5.86 ms

Below is generated by plot.py at 2018-02-27 10:46:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 3026.331 ms

Loss rate: 7.76%

-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 2496.278 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 3143.712 ms

Loss rate: 8.12%

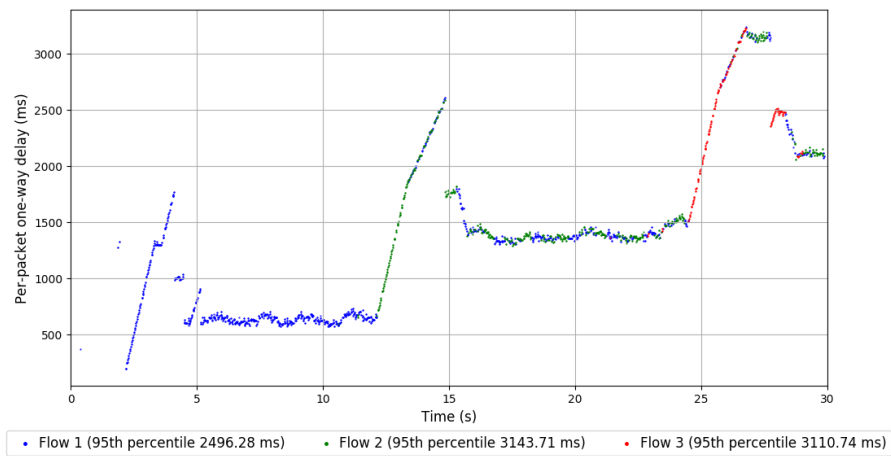
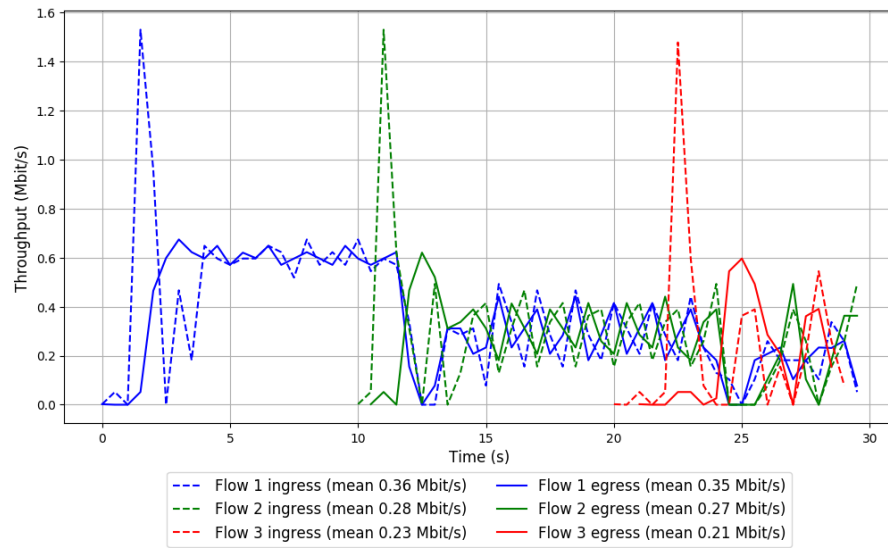
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 3110.736 ms

Loss rate: 25.60%

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

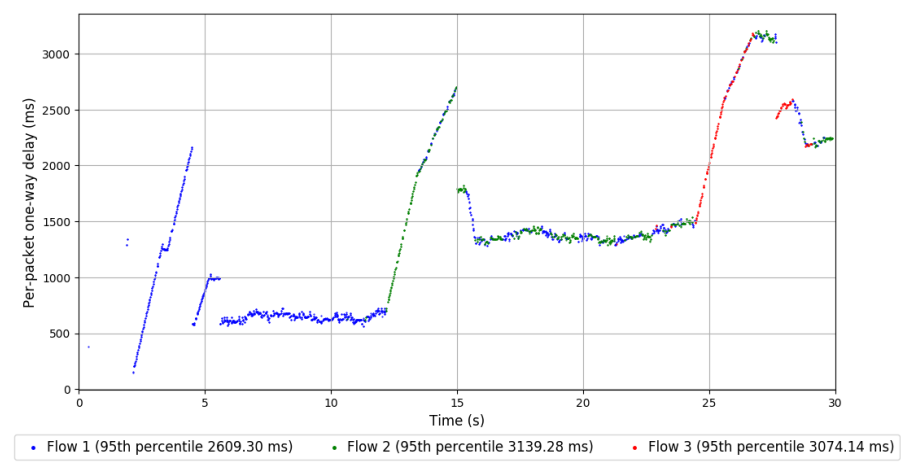
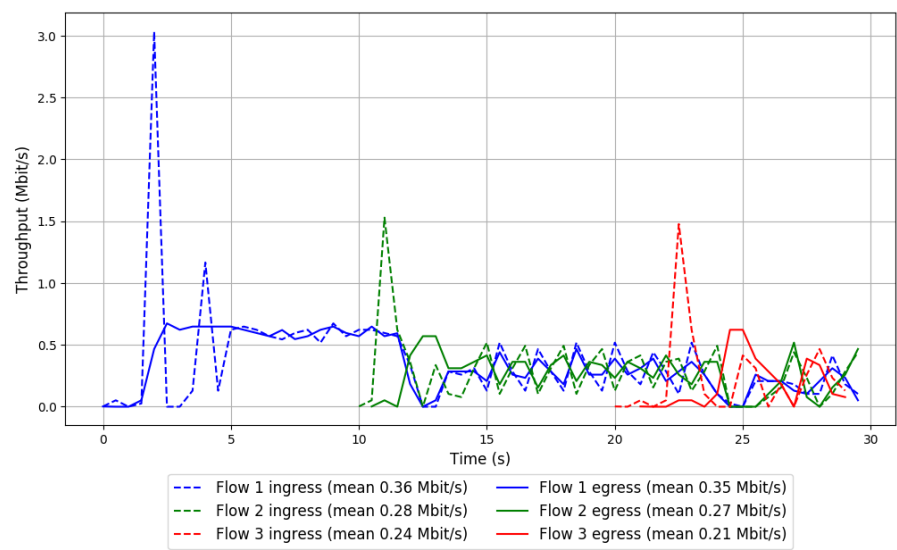


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-27 09:29:32
End at: 2018-02-27 09:30:02
Local clock offset: -6.475 ms
Remote clock offset: -4.908 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 2950.147 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 2609.301 ms
Loss rate: 4.23%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 3139.277 ms
Loss rate: 7.71%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 3074.139 ms
Loss rate: 25.29%

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

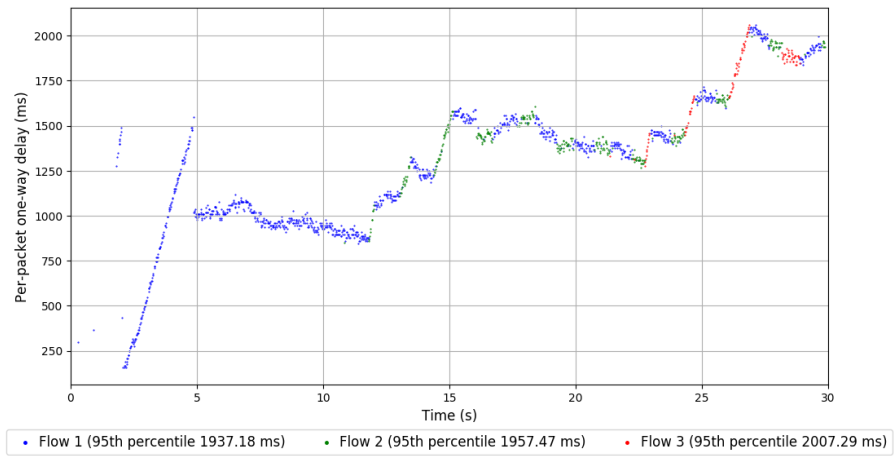
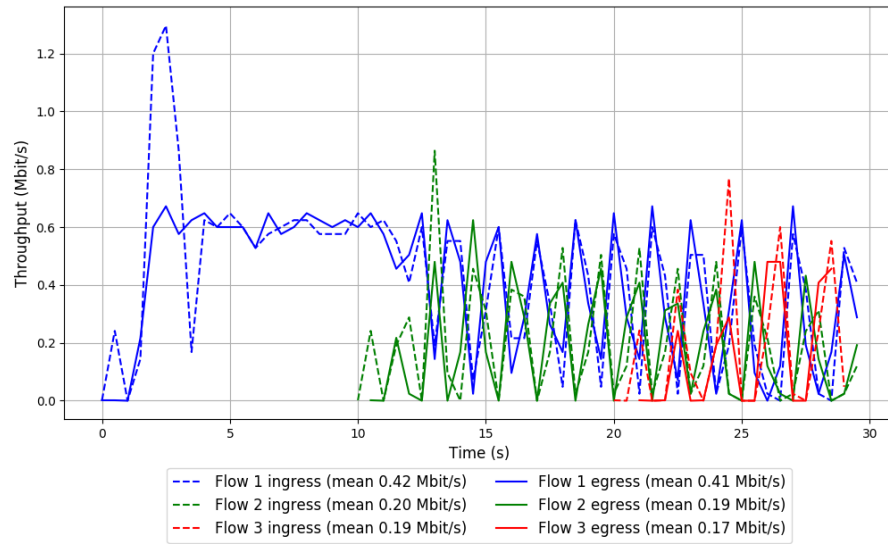


Run 1: Statistics of TCP Vegas

Start at: 2018-02-27 08:32:08
End at: 2018-02-27 08:32:38
Local clock offset: -5.564 ms
Remote clock offset: -5.172 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 1947.688 ms
Loss rate: 6.30%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 1937.181 ms
Loss rate: 3.79%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1957.470 ms
Loss rate: 6.42%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 2007.285 ms
Loss rate: 24.78%

Run 1: Report of TCP Vegas — Data Link

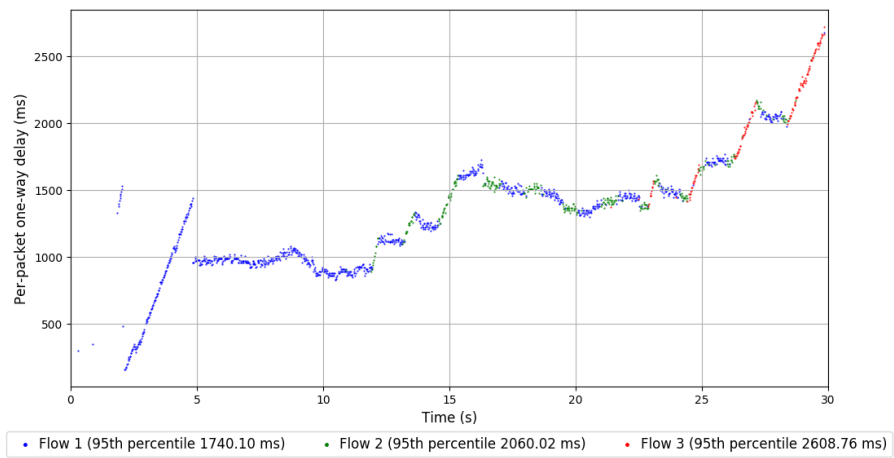
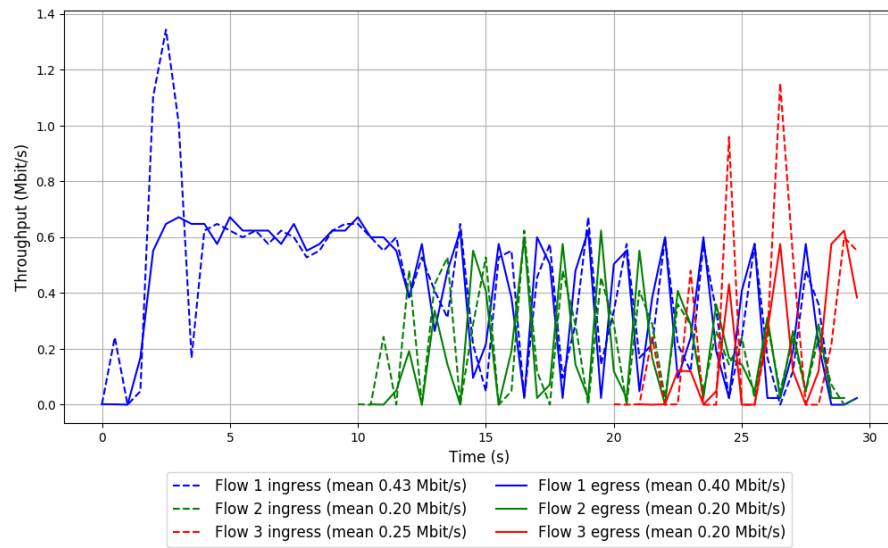


Run 2: Statistics of TCP Vegas

Start at: 2018-02-27 08:54:37
End at: 2018-02-27 08:55:07
Local clock offset: -6.483 ms
Remote clock offset: -5.151 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 2128.993 ms
Loss rate: 8.46%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 1740.101 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 2060.016 ms
Loss rate: 7.95%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 2608.758 ms
Loss rate: 31.85%

Run 2: Report of TCP Vegas — Data Link

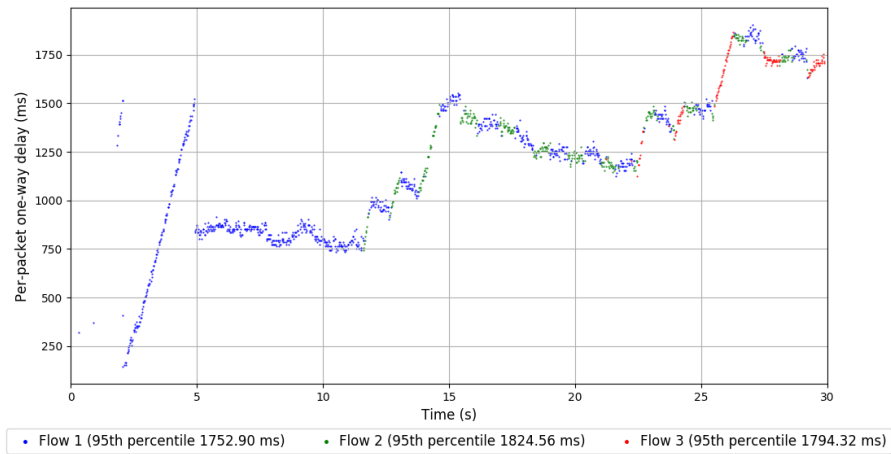
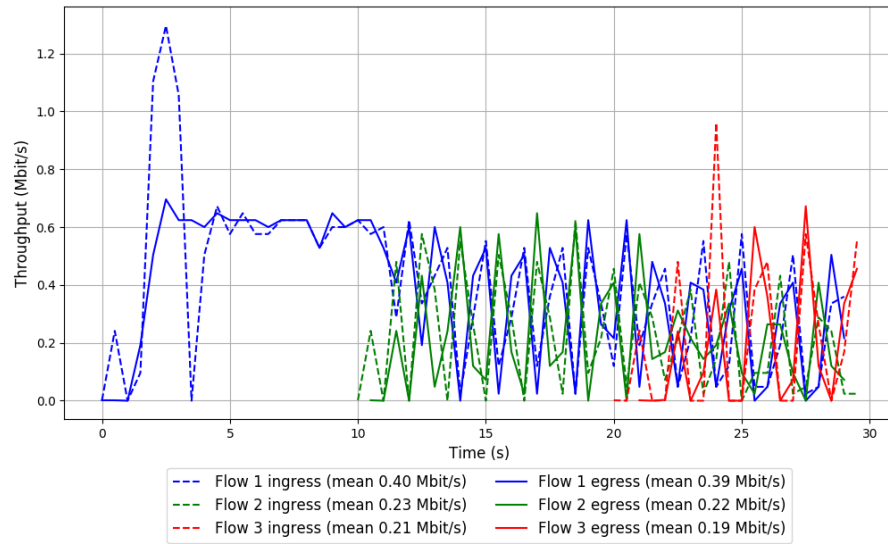


Run 3: Statistics of TCP Vegas

Start at: 2018-02-27 09:17:05
End at: 2018-02-27 09:17:35
Local clock offset: -7.003 ms
Remote clock offset: -5.789 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 1774.596 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 1752.904 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1824.559 ms
Loss rate: 6.54%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1794.317 ms
Loss rate: 18.69%

Run 3: Report of TCP Vegas — Data Link

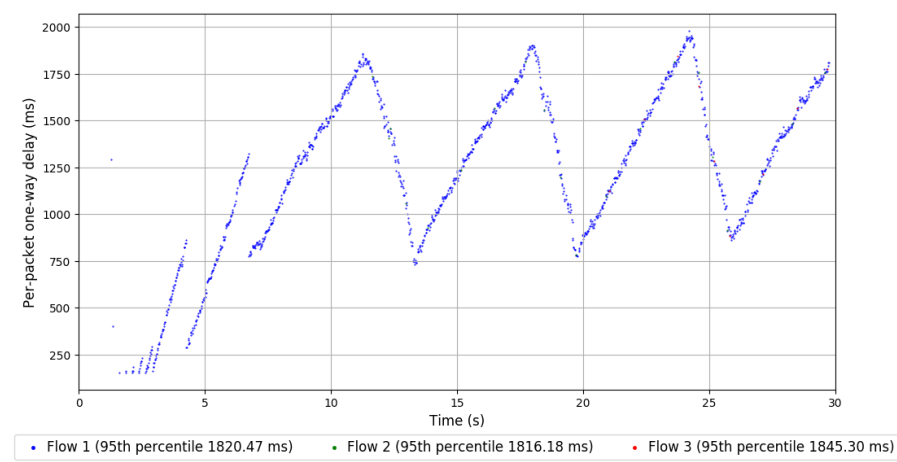
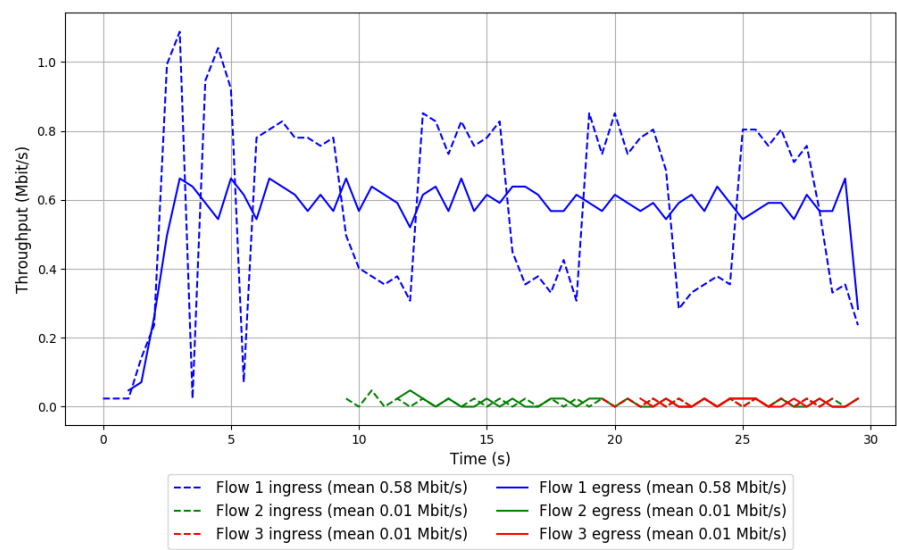


Run 1: Statistics of Verus

Start at: 2018-02-27 08:45:54
End at: 2018-02-27 08:46:24
Local clock offset: -5.785 ms
Remote clock offset: -0.781 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 1820.466 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 1820.466 ms
Loss rate: 4.60%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1816.177 ms
Loss rate: 9.09%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1845.296 ms
Loss rate: 10.00%

Run 1: Report of Verus — Data Link

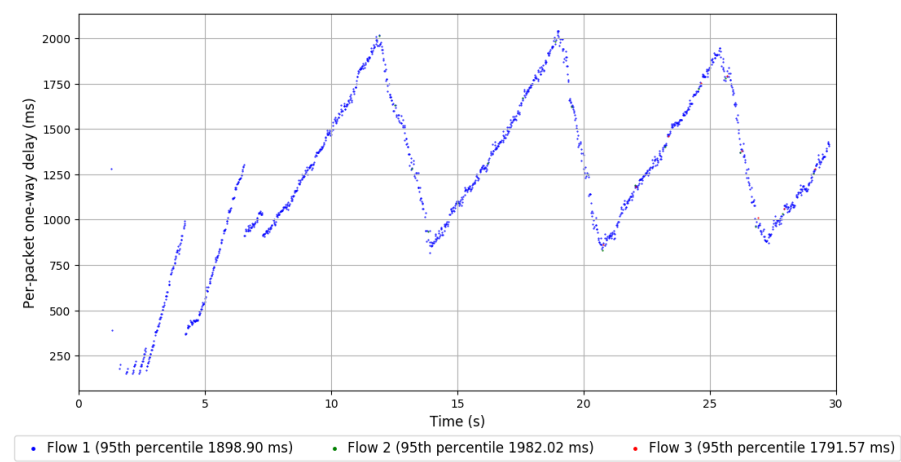
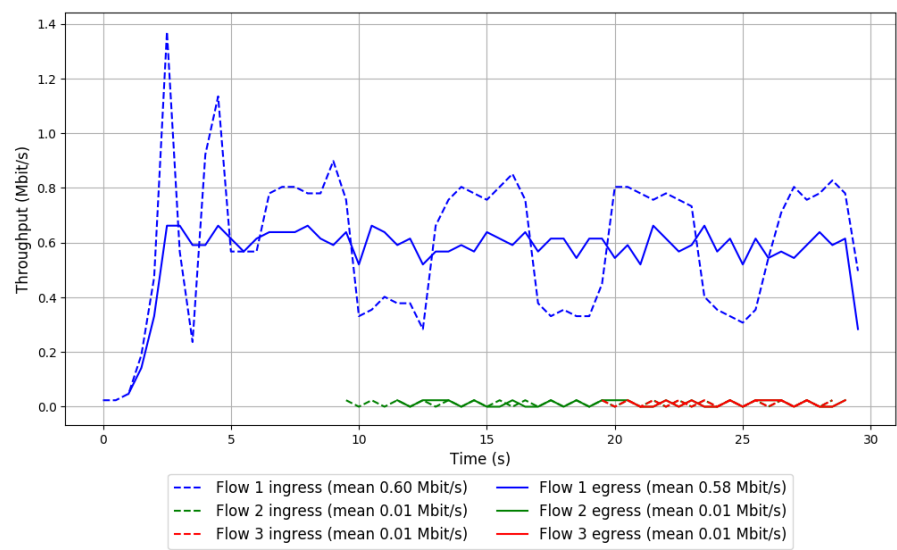


Run 2: Statistics of Verus

Start at: 2018-02-27 09:08:19
End at: 2018-02-27 09:08:49
Local clock offset: -6.795 ms
Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 1898.904 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 1898.904 ms
Loss rate: 6.70%
-- Flow 2:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1982.024 ms
Loss rate: 5.00%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1791.573 ms
Loss rate: 10.00%

Run 2: Report of Verus — Data Link

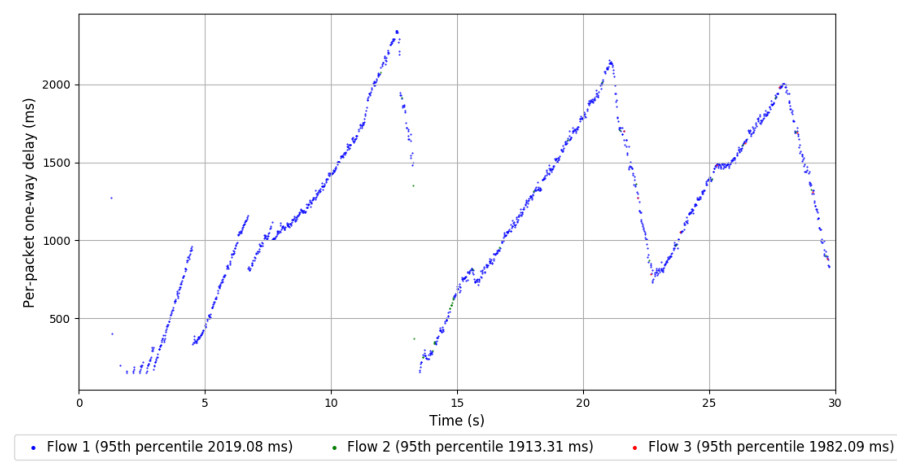
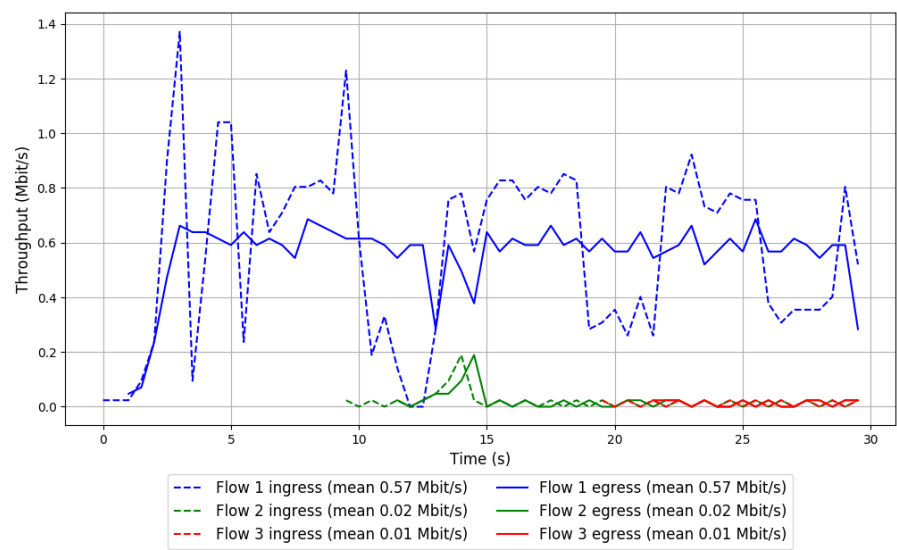


Run 3: Statistics of Verus

Start at: 2018-02-27 09:30:46
End at: 2018-02-27 09:31:16
Local clock offset: -6.494 ms
Remote clock offset: -5.684 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 2018.182 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 2019.081 ms
Loss rate: 4.74%
-- Flow 2:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 1913.305 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1982.090 ms
Loss rate: 9.09%

Run 3: Report of Verus — Data Link

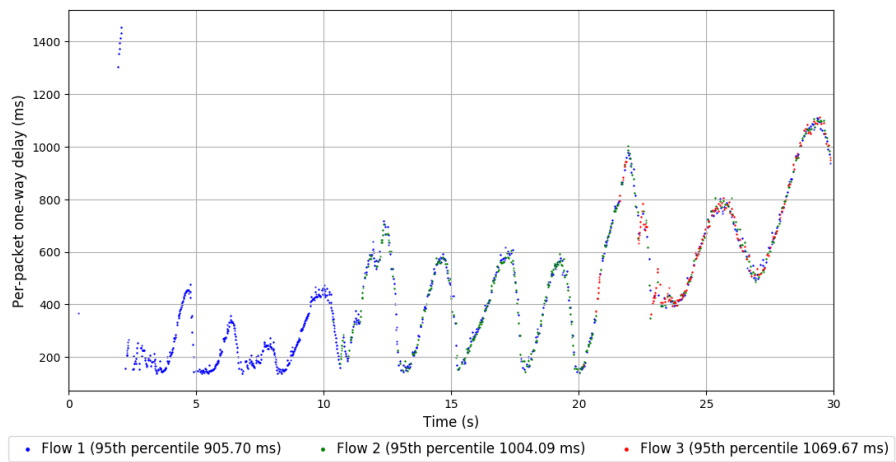
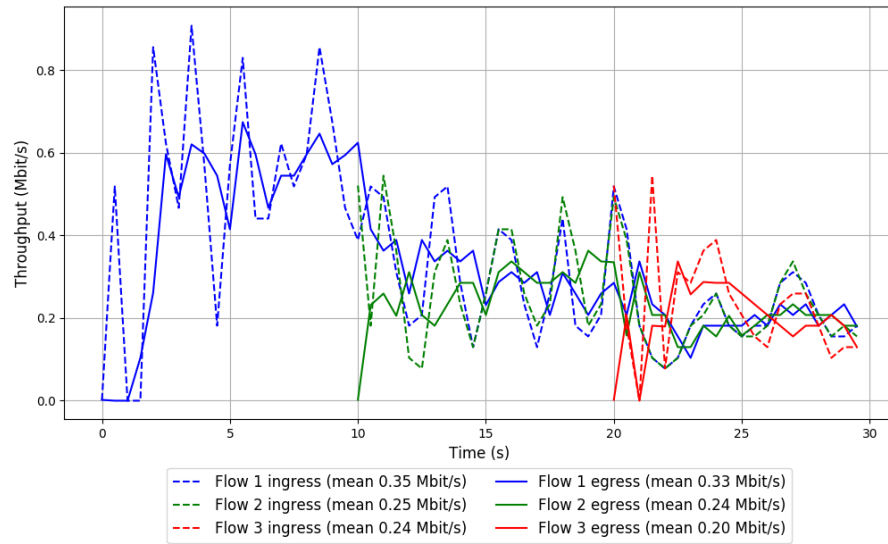


Run 1: Statistics of Copa

Start at: 2018-02-27 08:47:08
End at: 2018-02-27 08:47:38
Local clock offset: -6.239 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 987.691 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 905.703 ms
Loss rate: 5.77%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 1004.094 ms
Loss rate: 8.99%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 1069.671 ms
Loss rate: 16.56%

Run 1: Report of Copa — Data Link

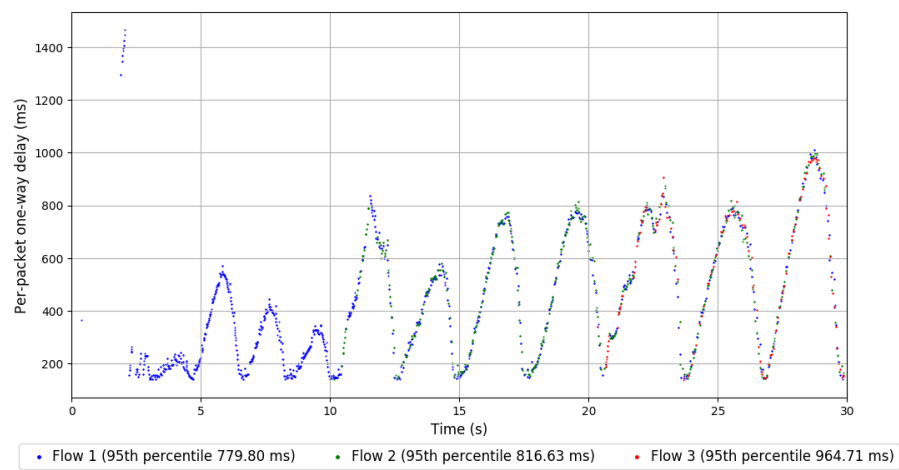
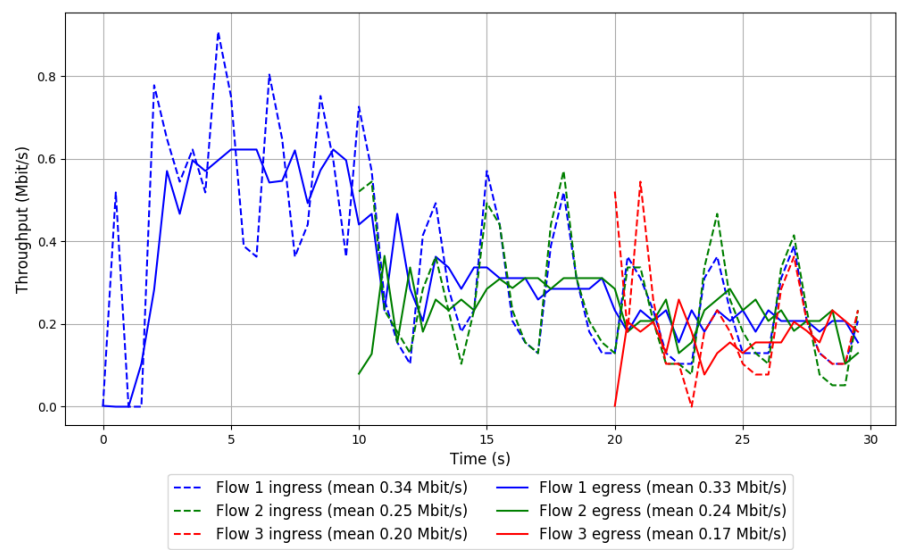


Run 2: Statistics of Copa

Start at: 2018-02-27 09:09:34
End at: 2018-02-27 09:10:04
Local clock offset: -6.83 ms
Remote clock offset: -0.594 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 816.631 ms
Loss rate: 6.88%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 779.800 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 816.631 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 964.707 ms
Loss rate: 17.62%

Run 2: Report of Copa — Data Link

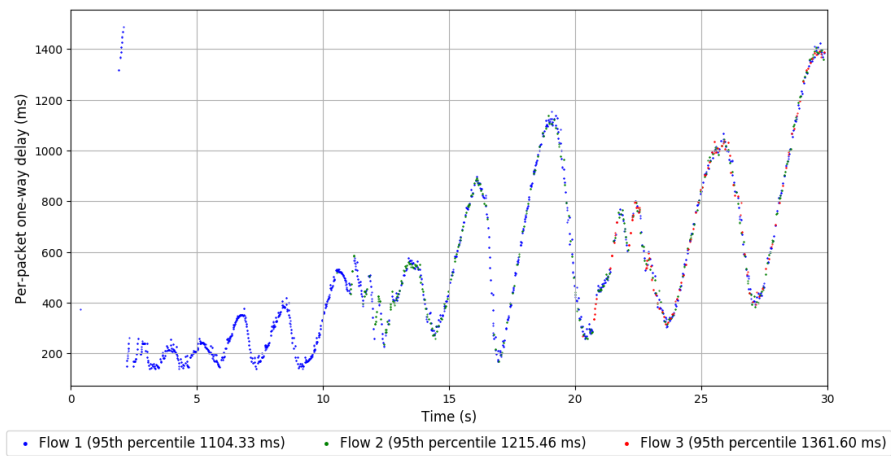
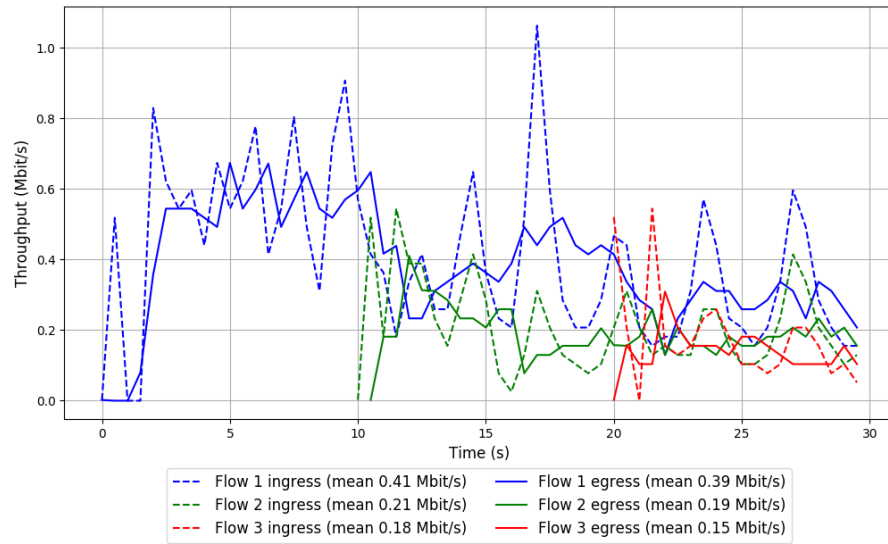


Run 3: Statistics of Copa

Start at: 2018-02-27 09:32:01
End at: 2018-02-27 09:32:31
Local clock offset: -6.398 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-02-27 10:46:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 1127.048 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 1104.334 ms
Loss rate: 5.47%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 1215.463 ms
Loss rate: 11.71%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 1361.596 ms
Loss rate: 21.73%

Run 3: Report of Copa — Data Link

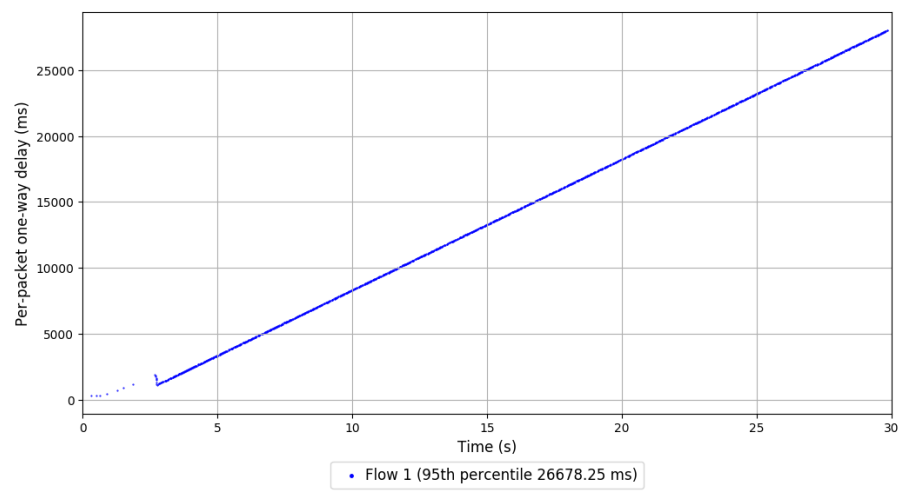
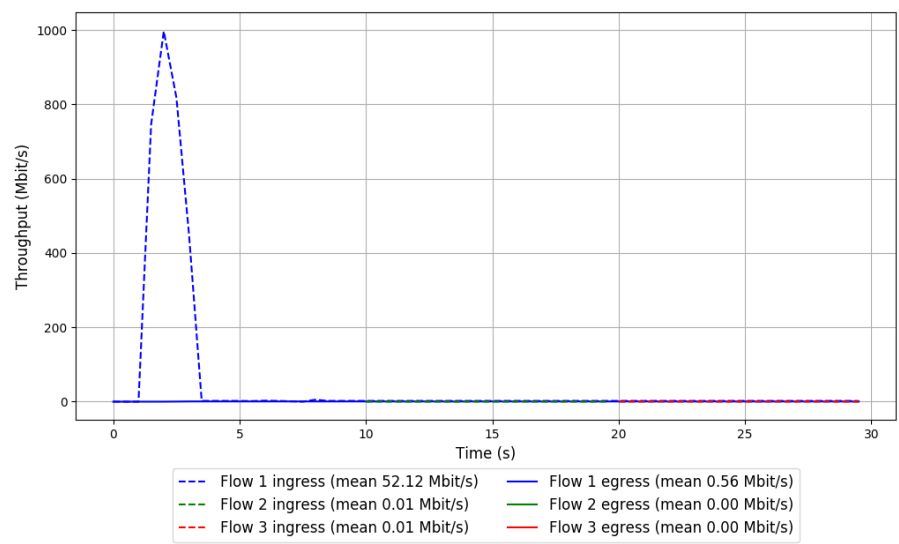


Run 1: Statistics of FillP

Start at: 2018-02-27 08:39:38
End at: 2018-02-27 08:40:08
Local clock offset: -5.887 ms
Remote clock offset: -5.113 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 26678.253 ms
Loss rate: 98.94%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 26678.253 ms
Loss rate: 98.94%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of FillP — Data Link

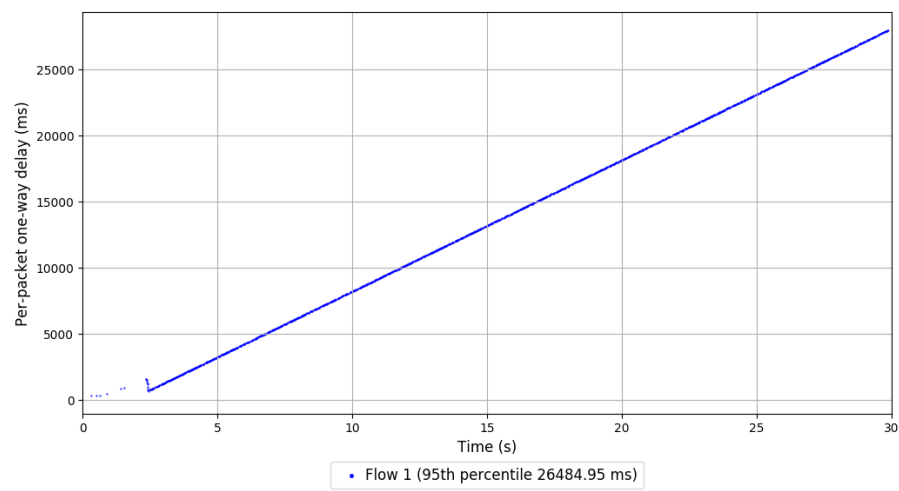
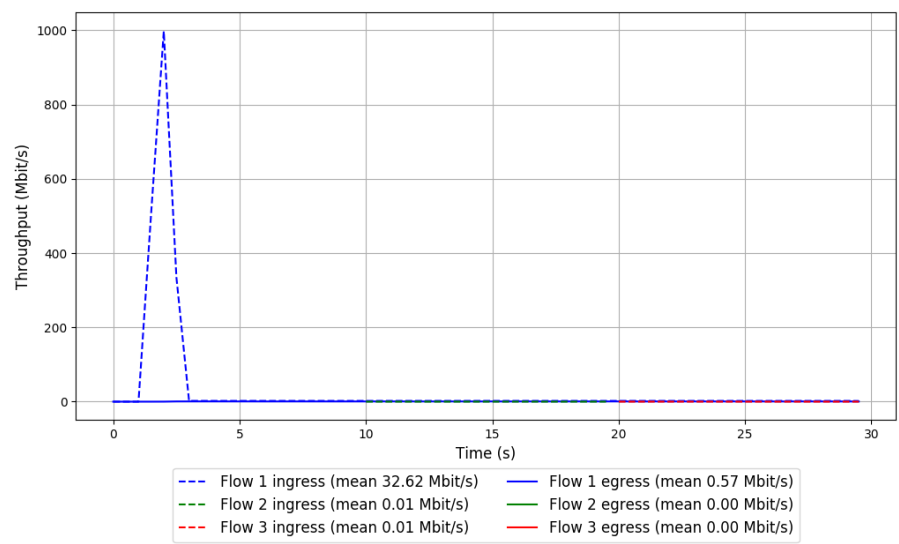


Run 2: Statistics of FillP

Start at: 2018-02-27 09:02:06
End at: 2018-02-27 09:02:36
Local clock offset: -6.641 ms
Remote clock offset: -5.931 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 26484.949 ms
Loss rate: 98.29%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 26484.949 ms
Loss rate: 98.29%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-02-27 09:24:33

End at: 2018-02-27 09:25:03

Local clock offset: -6.58 ms

Remote clock offset: 0.451 ms

Below is generated by plot.py at 2018-02-27 10:47:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 26692.398 ms

Loss rate: 98.42%

-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 26692.398 ms

Loss rate: 98.42%

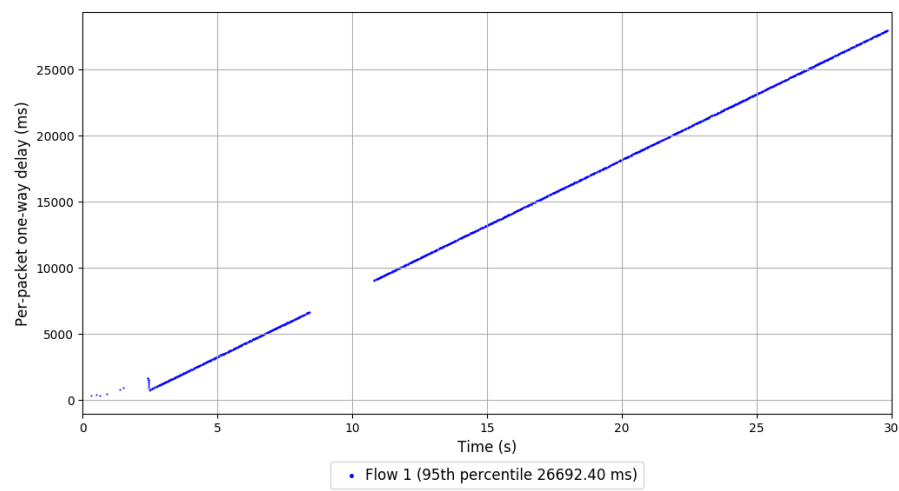
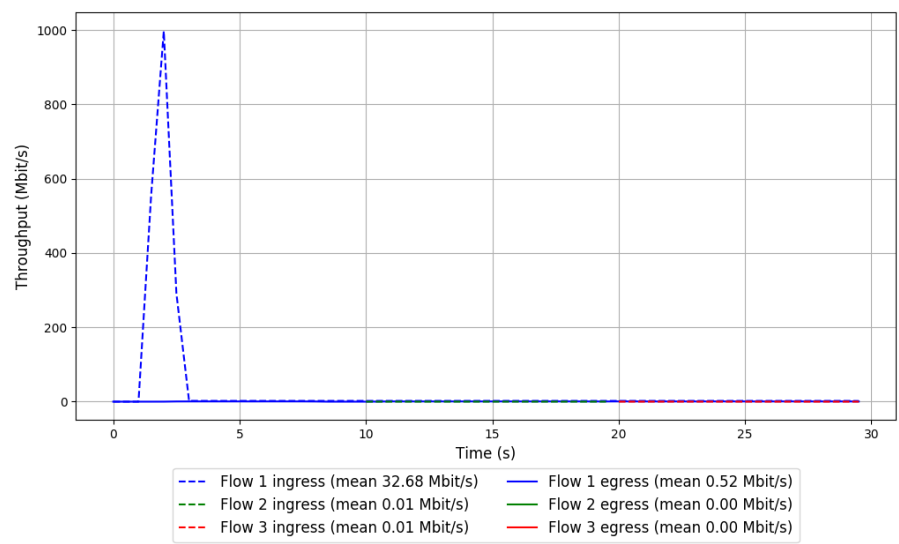
-- Flow 2:

Average throughput: 0.00 Mbit/s

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 3: Report of FillP — Data Link

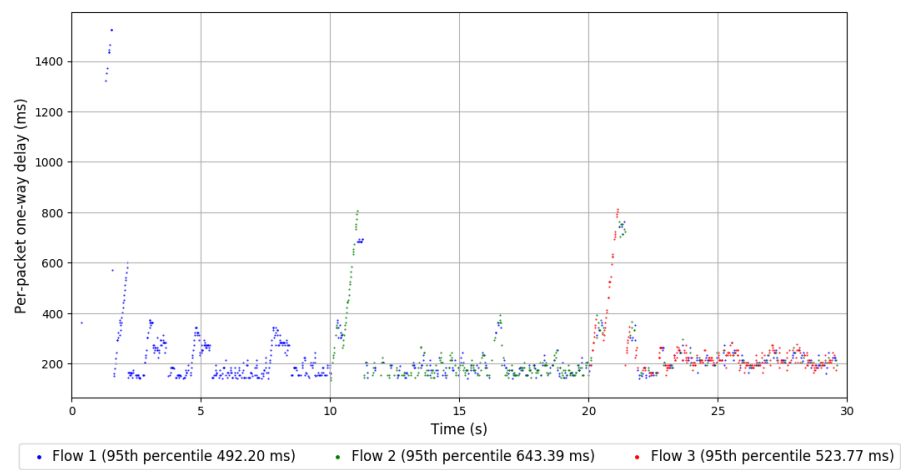
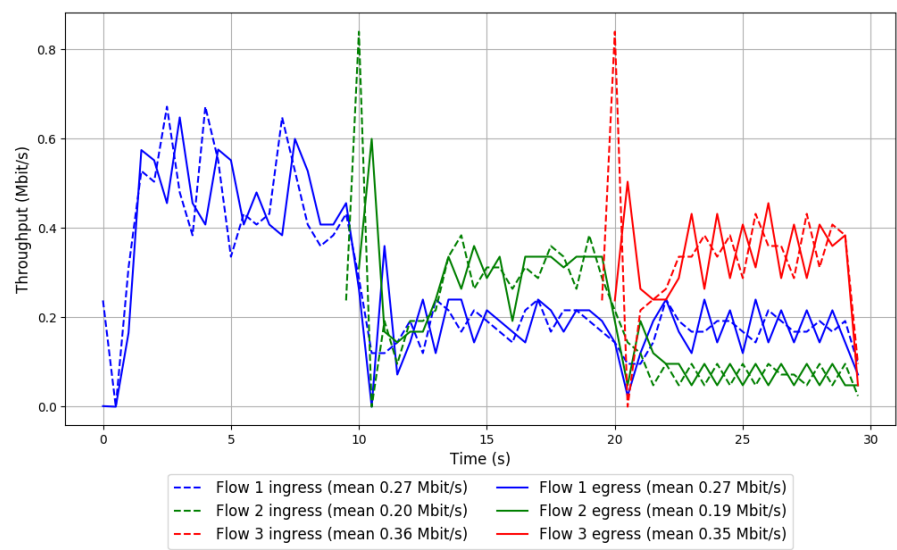


Run 1: Statistics of Indigo-1-32

Start at: 2018-02-27 08:42:08
End at: 2018-02-27 08:42:38
Local clock offset: -5.898 ms
Remote clock offset: -0.683 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 543.592 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 492.203 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 643.390 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 523.770 ms
Loss rate: 5.54%

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

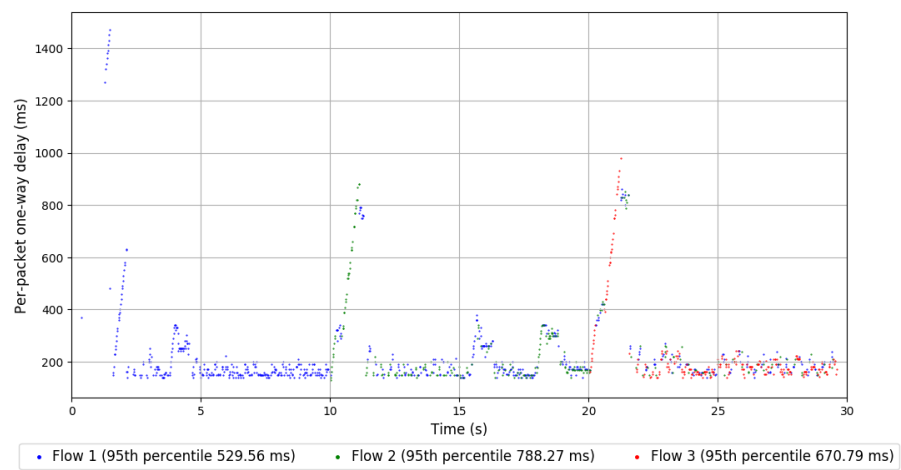
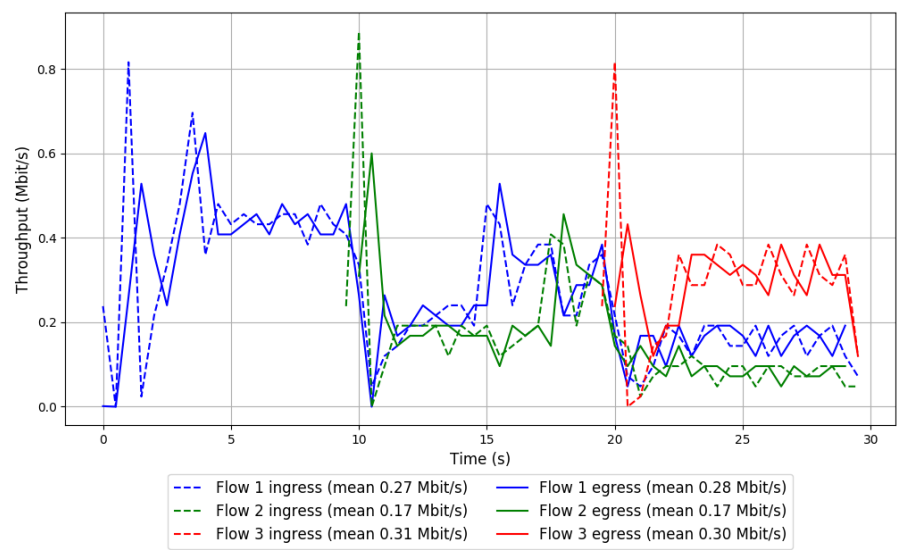


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-27 09:04:36
End at: 2018-02-27 09:05:06
Local clock offset: -6.74 ms
Remote clock offset: -0.644 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 670.794 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 529.563 ms
Loss rate: 1.33%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 788.267 ms
Loss rate: 2.18%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 670.794 ms
Loss rate: 4.35%

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

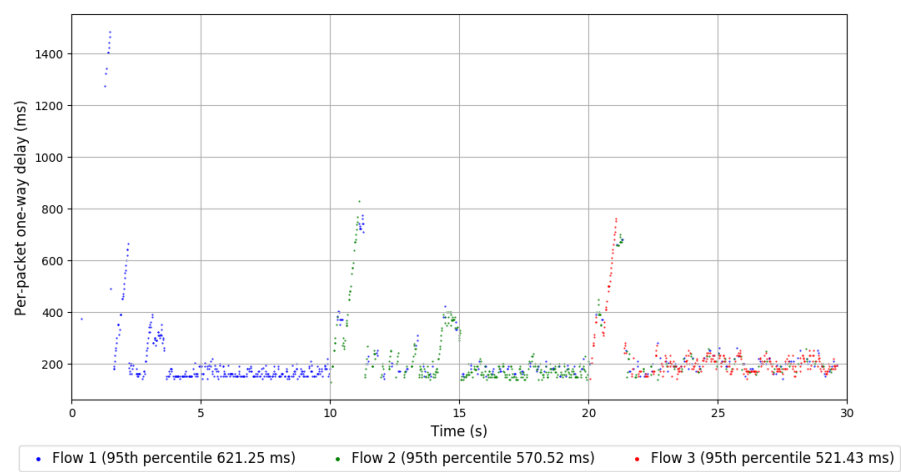
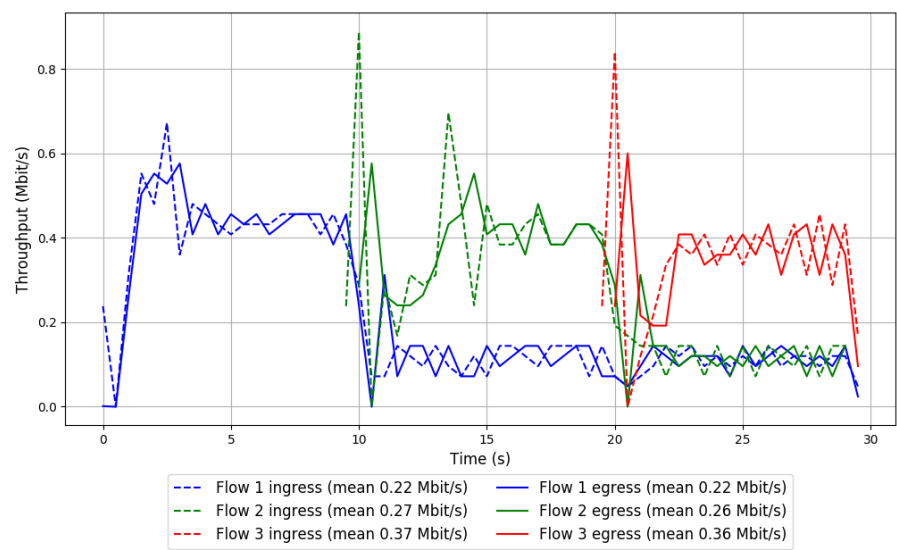


Run 3: Statistics of Indigo-1-32

Start at: 2018-02-27 09:27:03
End at: 2018-02-27 09:27:33
Local clock offset: -6.586 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 570.522 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 621.251 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 570.522 ms
Loss rate: 2.06%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 521.431 ms
Loss rate: 4.98%

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

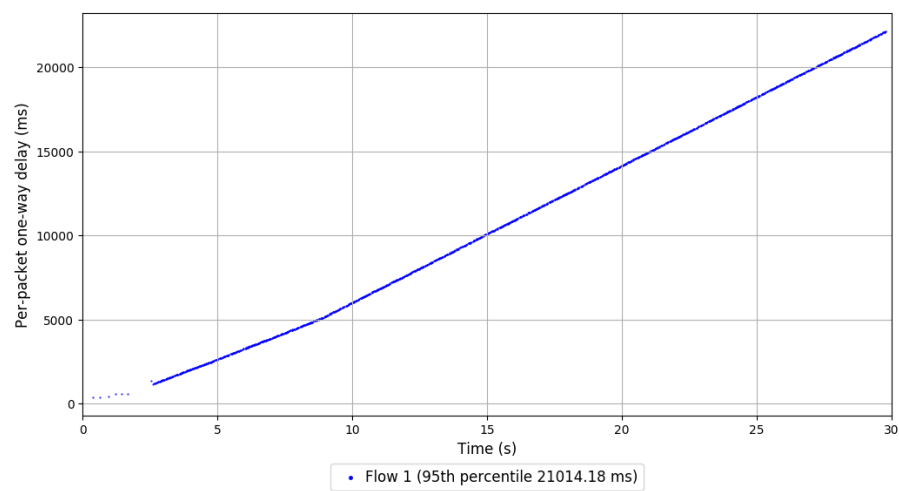
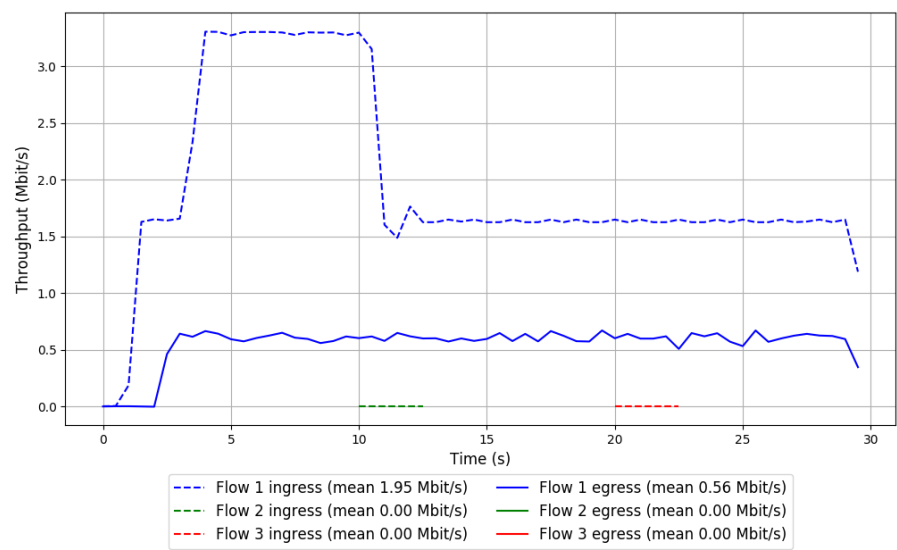


Run 1: Statistics of Vivace-latency

Start at: 2018-02-27 08:34:38
End at: 2018-02-27 08:35:08
Local clock offset: -5.7 ms
Remote clock offset: -5.059 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21014.177 ms
Loss rate: 71.60%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21014.177 ms
Loss rate: 71.59%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-02-27 08:57:07

End at: 2018-02-27 08:57:37

Local clock offset: -6.527 ms

Remote clock offset: -5.11 ms

Below is generated by plot.py at 2018-02-27 10:47:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21013.976 ms

Loss rate: 70.96%

-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 21013.976 ms

Loss rate: 70.95%

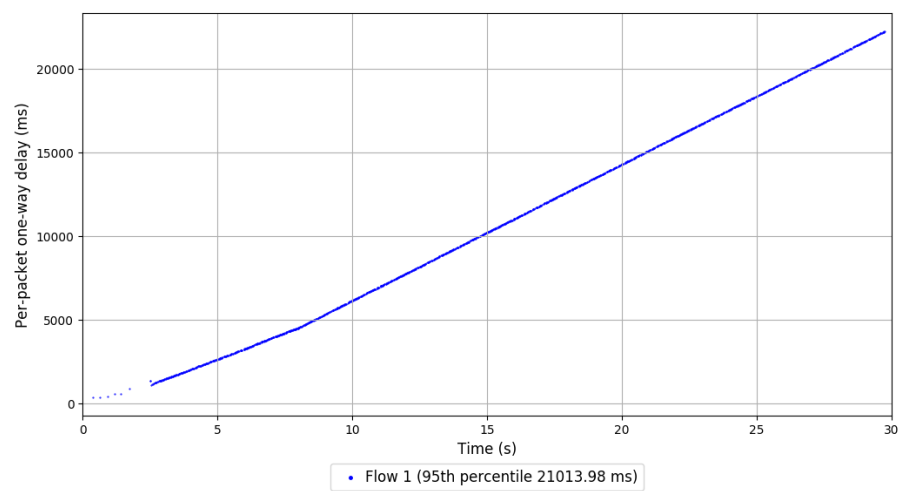
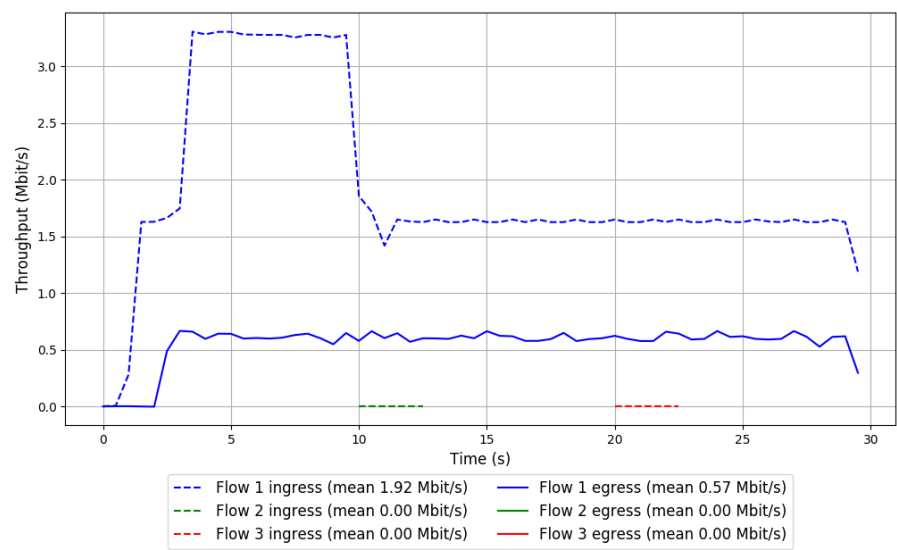
-- Flow 2:

Average throughput: 0.00 Mbit/s

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 2: Report of Vivace-latency — Data Link

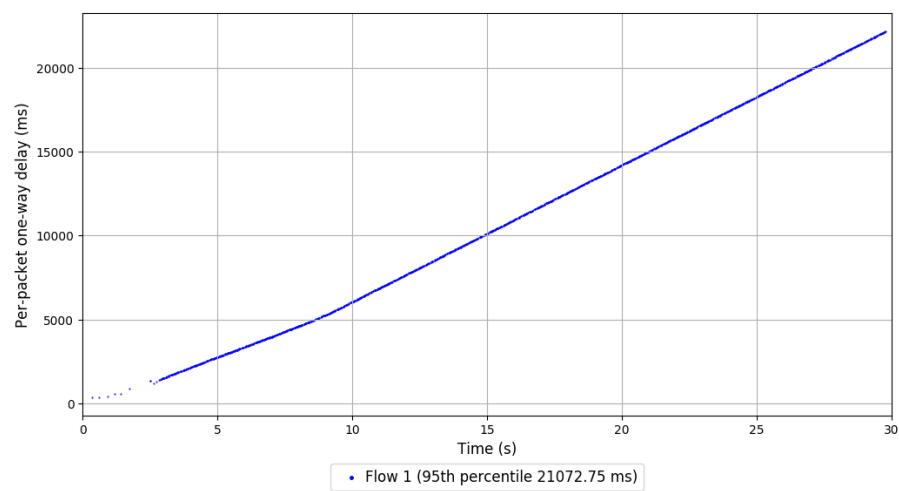
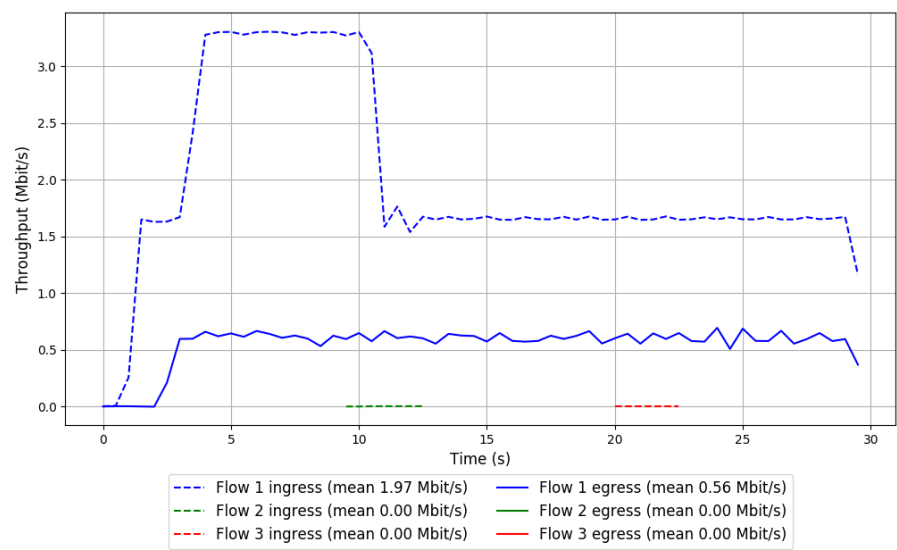


Run 3: Statistics of Vivace-latency

Start at: 2018-02-27 09:19:34
End at: 2018-02-27 09:20:04
Local clock offset: -6.789 ms
Remote clock offset: -1.371 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21072.752 ms
Loss rate: 71.99%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 21072.752 ms
Loss rate: 71.98%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 3: Report of Vivace-latency — Data Link

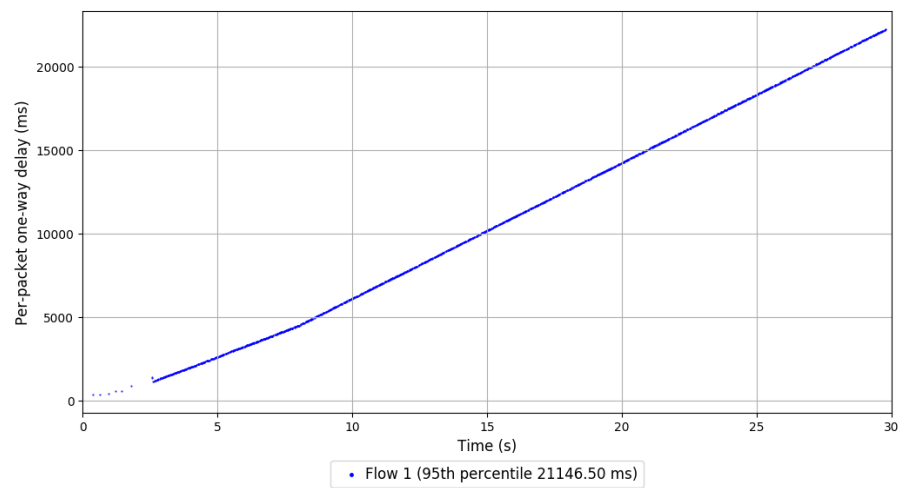
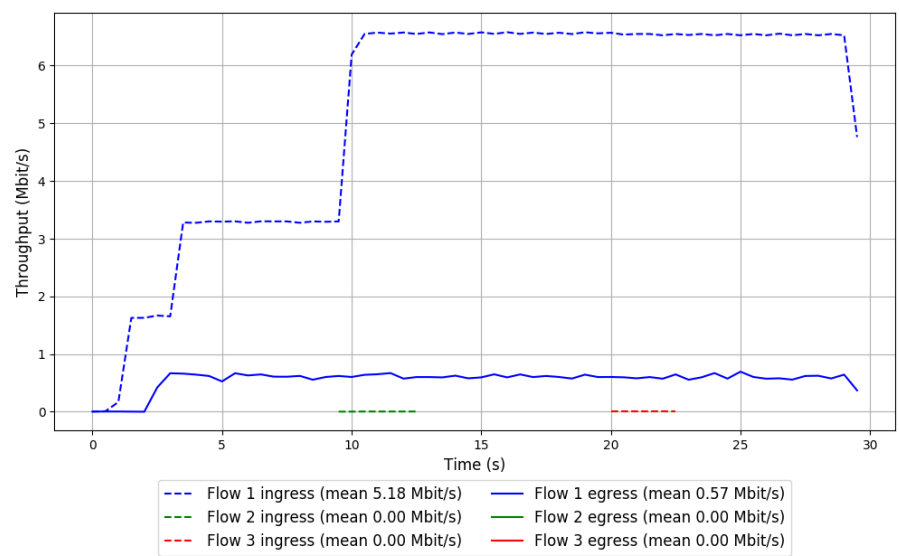


Run 1: Statistics of Vivace-loss

Start at: 2018-02-27 08:33:22
End at: 2018-02-27 08:33:52
Local clock offset: -5.623 ms
Remote clock offset: -0.779 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21146.499 ms
Loss rate: 89.27%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21146.499 ms
Loss rate: 89.26%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-02-27 08:55:52

End at: 2018-02-27 08:56:22

Local clock offset: -6.458 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-02-27 10:47:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 21023.752 ms

Loss rate: 89.07%

-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 21023.752 ms

Loss rate: 89.07%

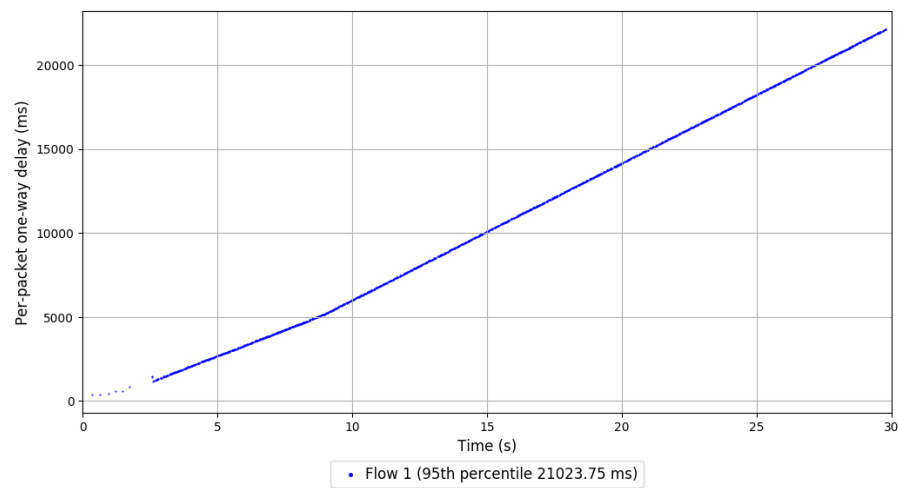
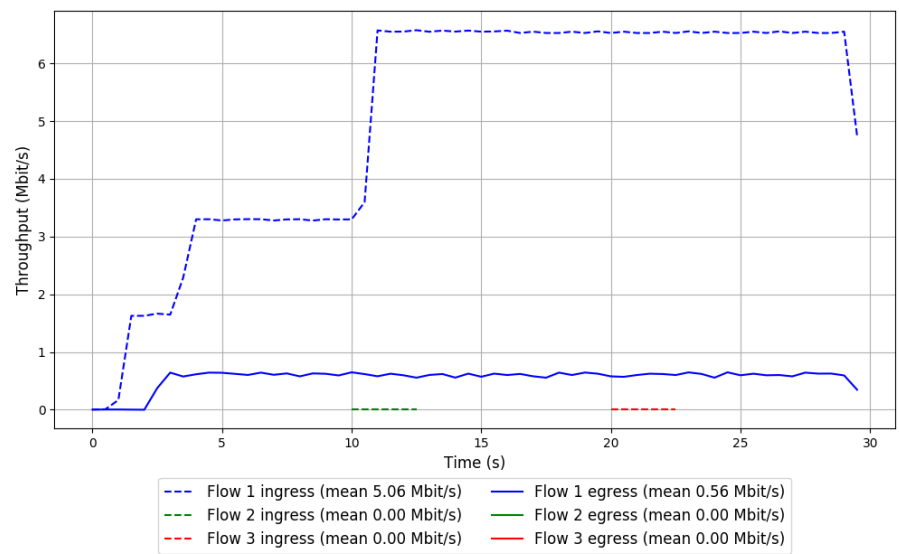
-- Flow 2:

Average throughput: 0.00 Mbit/s

-- Flow 3:

Average throughput: 0.00 Mbit/s

Run 2: Report of Vivace-loss — Data Link

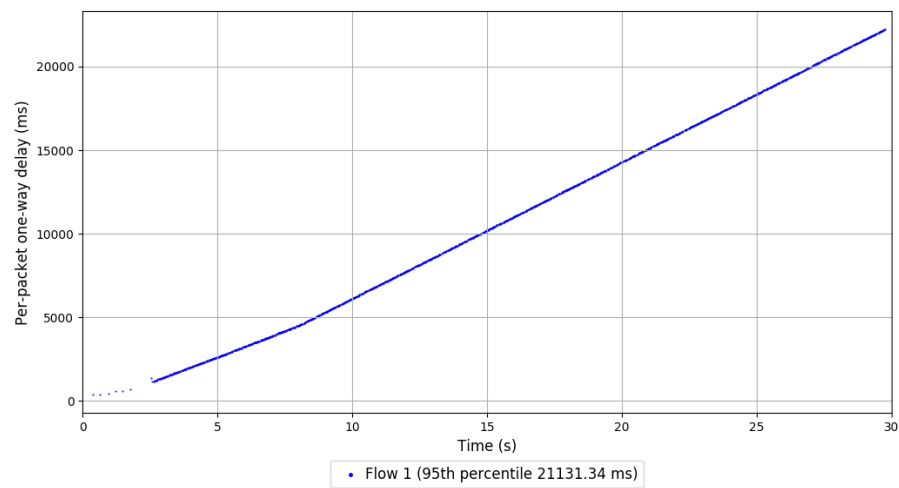
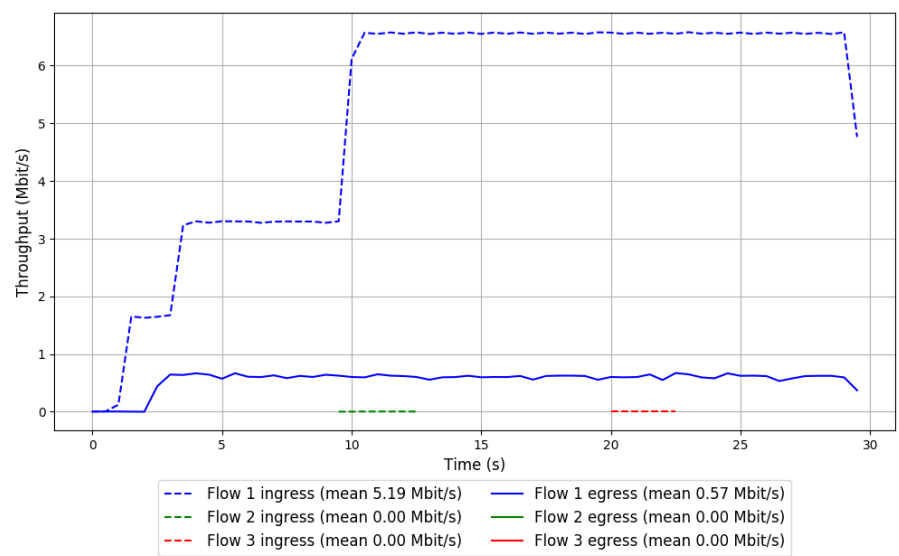


Run 3: Statistics of Vivace-loss

Start at: 2018-02-27 09:18:19
End at: 2018-02-27 09:18:49
Local clock offset: -6.94 ms
Remote clock offset: -5.734 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21131.339 ms
Loss rate: 89.26%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21131.339 ms
Loss rate: 89.26%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 3: Report of Vivace-loss — Data Link

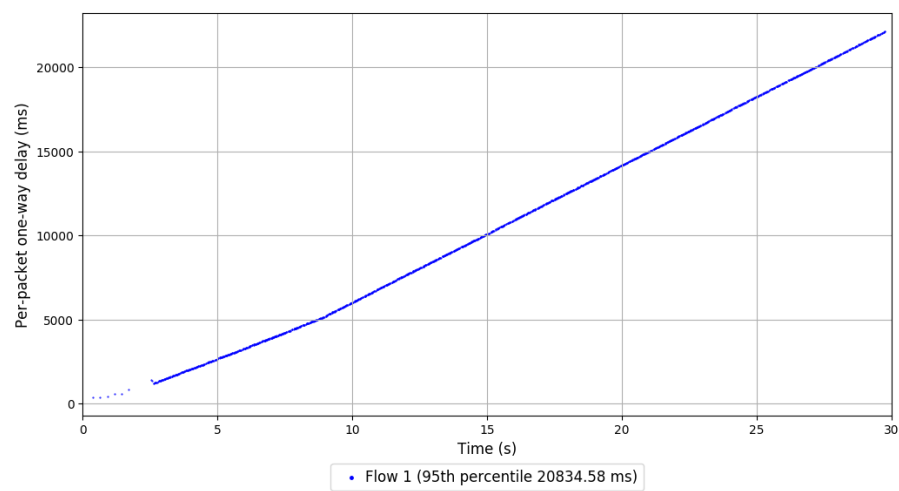
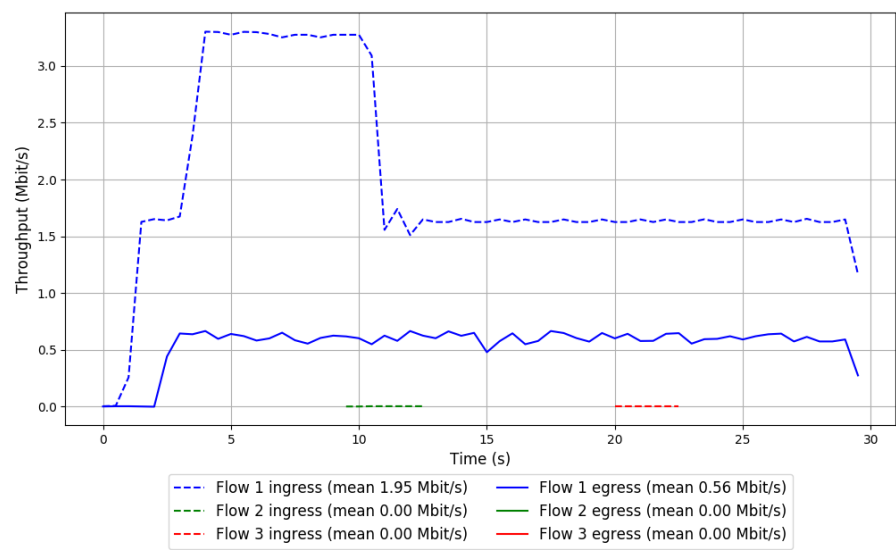


Run 1: Statistics of Vivace-LTE

Start at: 2018-02-27 08:53:22
End at: 2018-02-27 08:53:52
Local clock offset: -6.422 ms
Remote clock offset: -5.184 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20834.585 ms
Loss rate: 71.69%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 20834.585 ms
Loss rate: 71.67%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 1: Report of Vivace-LTE — Data Link

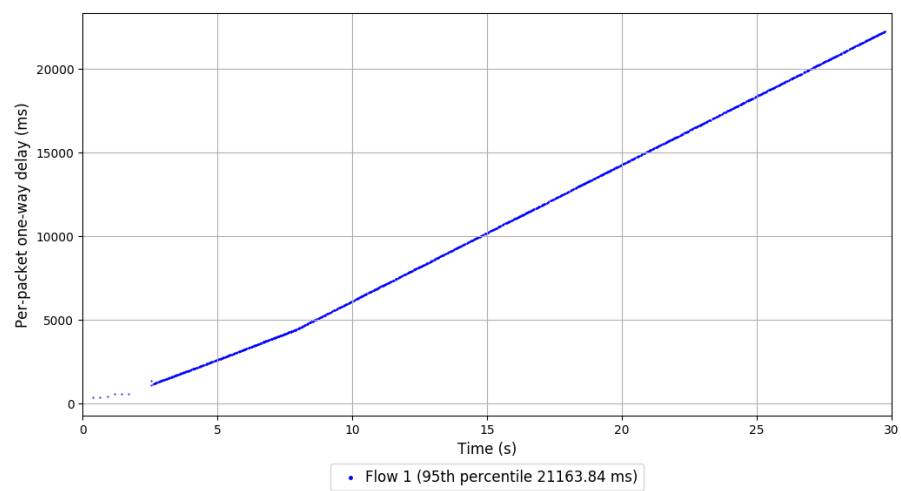
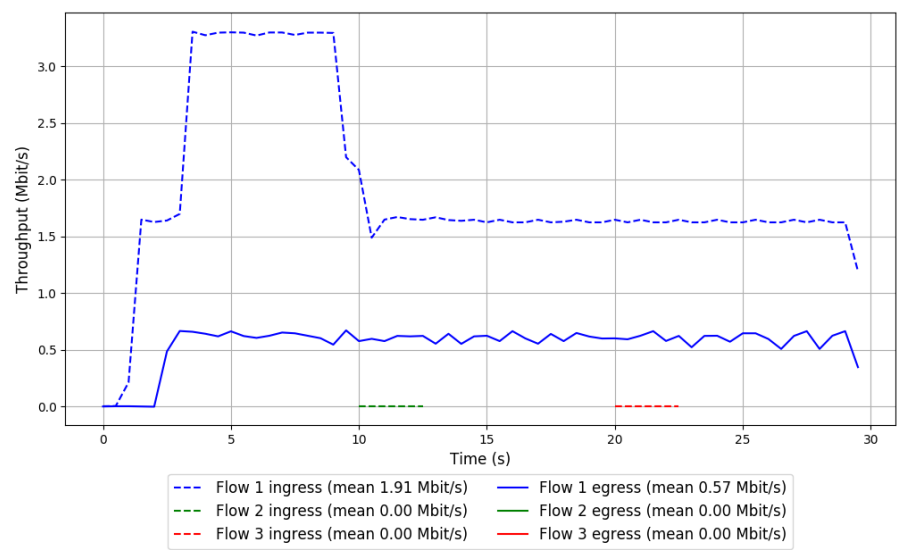


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-27 09:15:50
End at: 2018-02-27 09:16:20
Local clock offset: -6.97 ms
Remote clock offset: -5.701 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21163.840 ms
Loss rate: 70.74%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21163.840 ms
Loss rate: 70.72%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-02-27 09:38:14
End at: 2018-02-27 09:38:44
Local clock offset: -6.365 ms
Remote clock offset: -5.604 ms

Below is generated by plot.py at 2018-02-27 10:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21004.935 ms
Loss rate: 71.46%
-- Flow 1:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 21004.935 ms
Loss rate: 71.45%
-- Flow 2:
Average throughput: 0.00 Mbit/s
-- Flow 3:
Average throughput: 0.00 Mbit/s

Run 3: Report of Vivace-LTE — Data Link

