

Pantheon Report

Generated at 2018-04-11 01:23:26 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).

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).

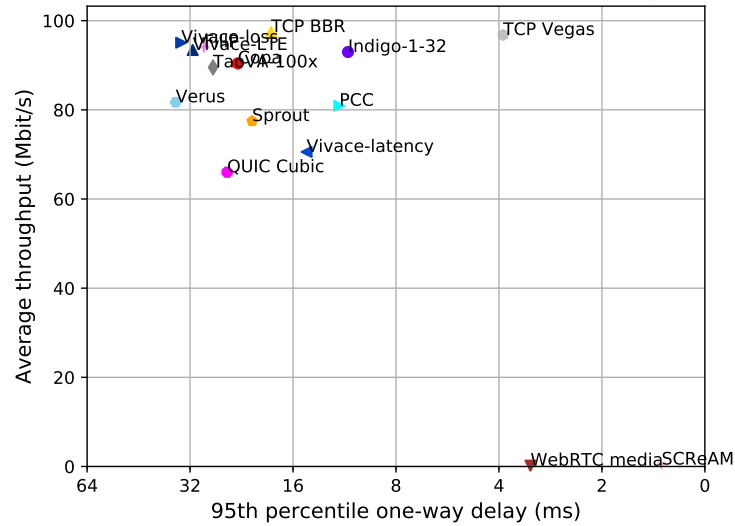
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

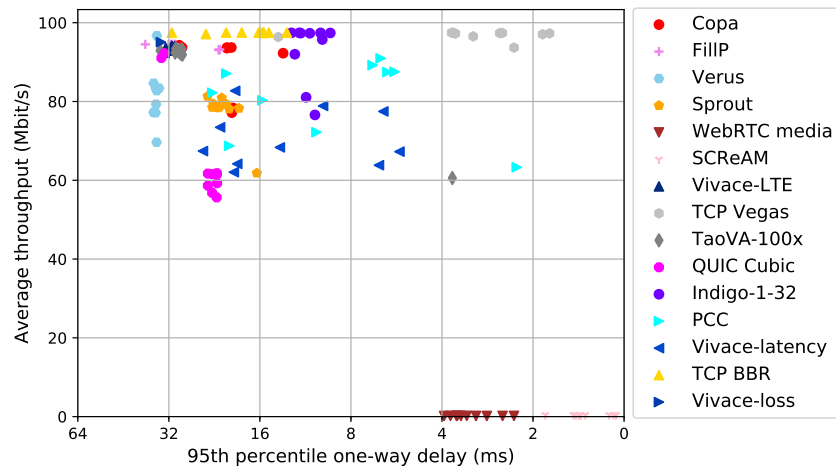
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
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 @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 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	69.00	31.66	22.26	18.36	18.38	19.61	0.05	0.05	0.13
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC	10	60.00	27.82	7.35	10.59	12.54	11.62	0.02	0.04	0.09
QUIC Cubic	10	12.55	61.31	43.52	7.99	24.93	25.00	0.01	0.10	0.27
SCReAM	10	0.22	0.22	0.22	0.82	0.81	0.83	0.00	0.00	0.00
WebRTC media	10	0.06	0.07	0.06	3.33	3.06	2.82	0.00	0.00	0.00
Sprout	10	40.88	40.05	30.29	19.20	21.04	22.69	0.04	0.06	0.18
TaoVA-100x	10	50.78	41.52	33.58	27.00	27.38	27.53	0.05	0.11	0.28
TCP Vegas	10	53.79	39.73	49.92	2.58	3.07	4.22	0.00	0.01	0.04
Verus	10	44.36	40.83	31.07	34.76	35.24	35.42	0.07	0.15	0.36
Copa	10	52.23	38.34	38.38	18.45	23.25	23.42	0.03	0.11	0.33
FillP	10	50.83	47.09	35.99	27.74	29.32	30.20	0.10	2.12	5.58
Indigo-1-32	10	40.27	47.71	64.15	10.60	10.49	11.12	0.00	0.03	0.10
Vivace-latency	10	43.12	29.59	23.64	9.97	15.17	20.07	0.01	0.02	0.05
Vivace-loss	1	59.68	40.72	29.31	33.80	34.00	34.11	0.06	0.14	0.41
Vivace-LTE	10	60.18	36.59	27.21	29.93	31.88	32.83	0.30	0.12	1.10

Run 1: Statistics of TCP BBR

Start at: 2018-04-10 18:08:34

End at: 2018-04-10 18:09:04

Local clock offset: -6.205 ms

Remote clock offset: -9.23 ms

Below is generated by plot.py at 2018-04-11 01:00:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 18.375 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 66.28 Mbit/s

95th percentile per-packet one-way delay: 17.829 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 35.40 Mbit/s

95th percentile per-packet one-way delay: 18.577 ms

Loss rate: 0.18%

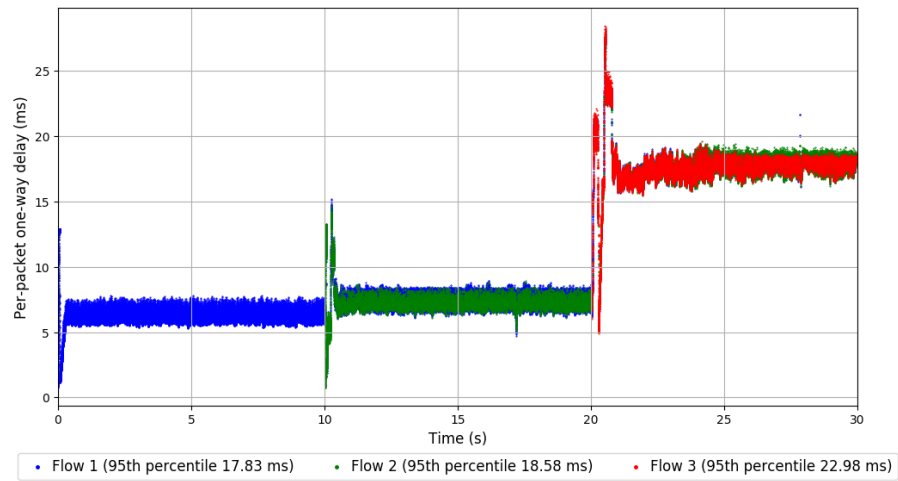
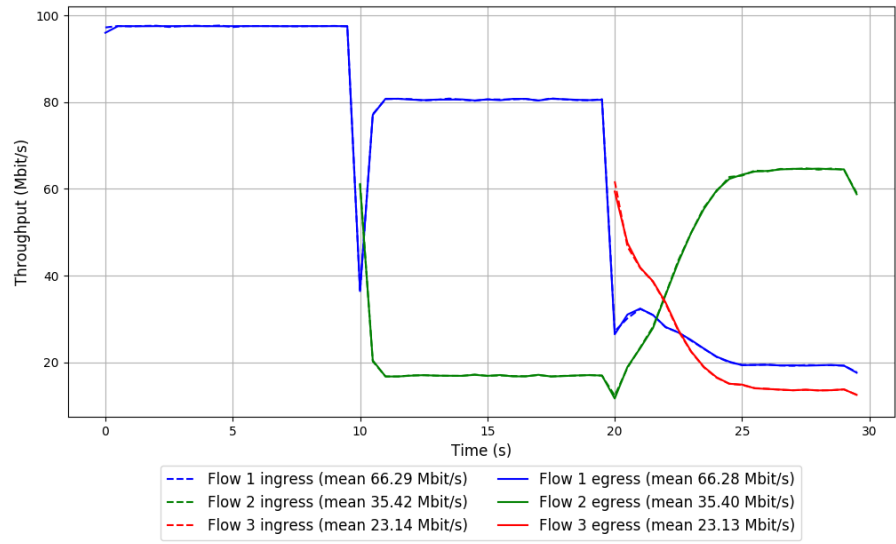
-- Flow 3:

Average throughput: 23.13 Mbit/s

95th percentile per-packet one-way delay: 22.978 ms

Loss rate: 0.11%

Run 1: Report of TCP BBR — Data Link

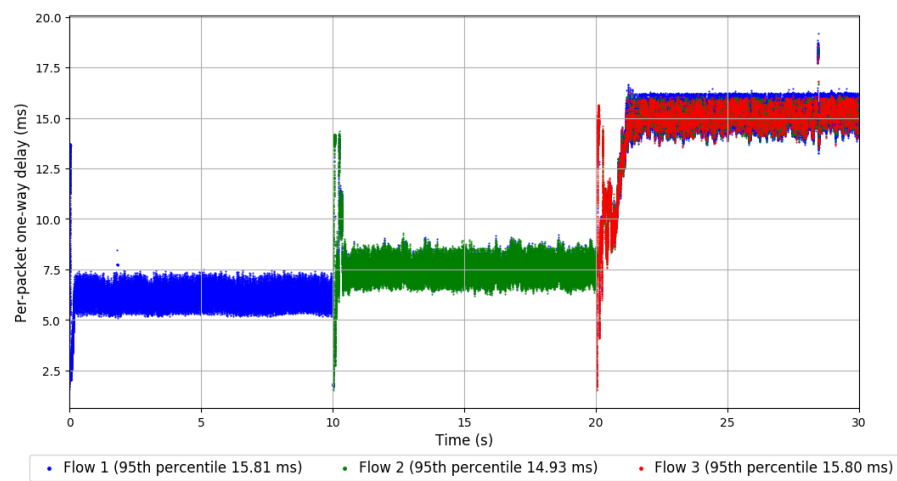
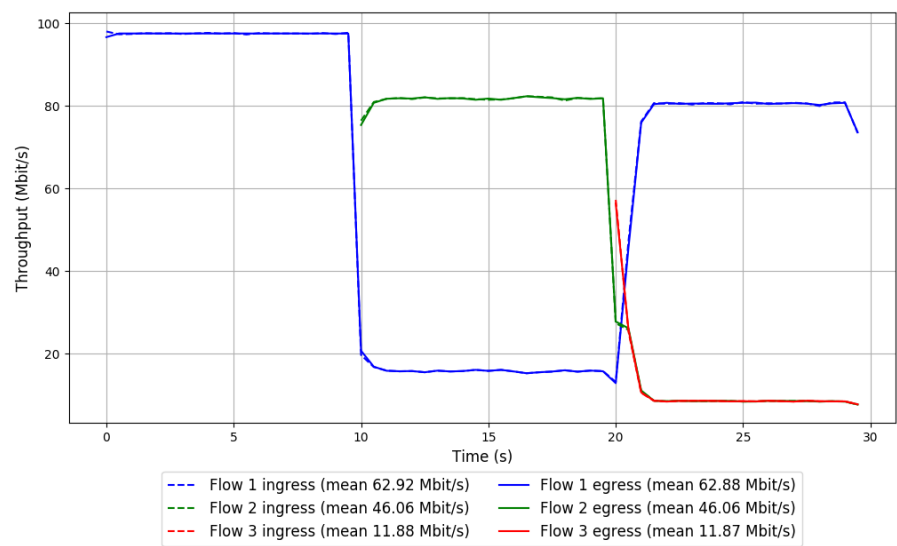


Run 2: Statistics of TCP BBR

Start at: 2018-04-10 18:28:55
End at: 2018-04-10 18:29:25
Local clock offset: -5.952 ms
Remote clock offset: -7.275 ms

Below is generated by plot.py at 2018-04-11 01:00:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 15.710 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.88 Mbit/s
95th percentile per-packet one-way delay: 15.811 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 46.06 Mbit/s
95th percentile per-packet one-way delay: 14.925 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.87 Mbit/s
95th percentile per-packet one-way delay: 15.797 ms
Loss rate: 0.10%

Run 2: Report of TCP BBR — Data Link

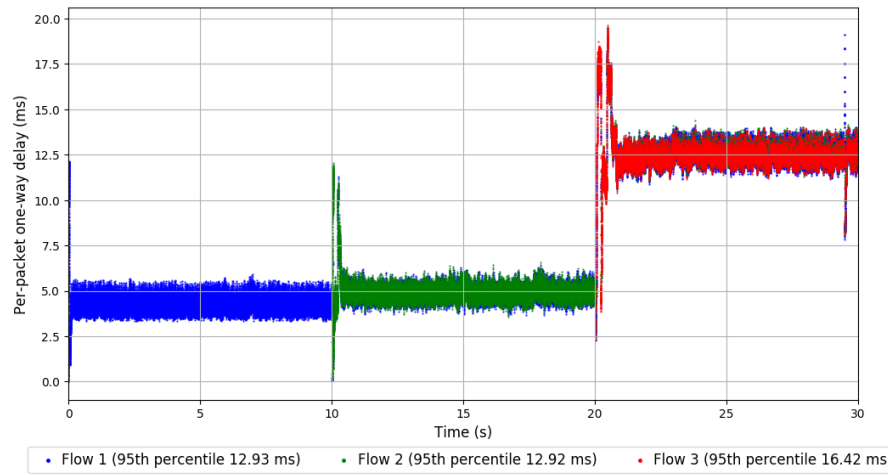
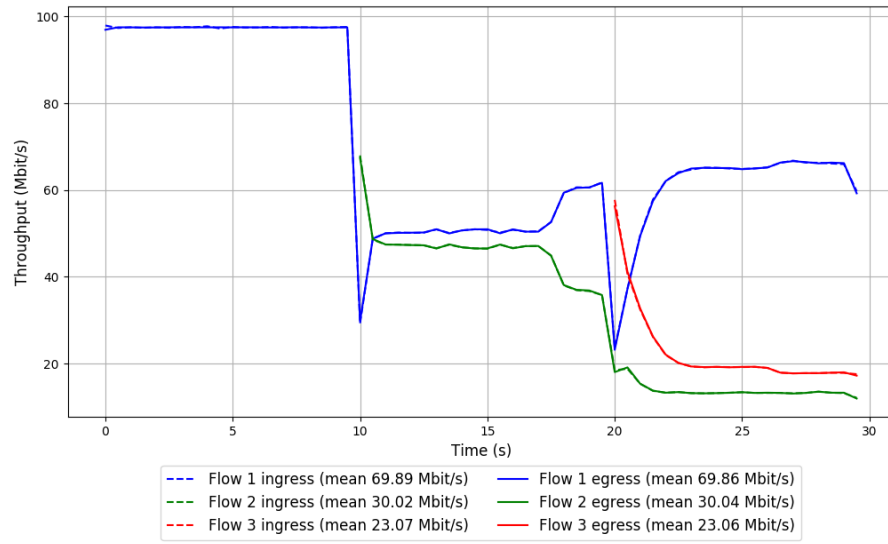


Run 3: Statistics of TCP BBR

Start at: 2018-04-10 18:49:17
End at: 2018-04-10 18:49:47
Local clock offset: -7.445 ms
Remote clock offset: -6.118 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 13.028 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 69.86 Mbit/s
95th percentile per-packet one-way delay: 12.932 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 30.04 Mbit/s
95th percentile per-packet one-way delay: 12.920 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 16.419 ms
Loss rate: 0.14%

Run 3: Report of TCP BBR — Data Link

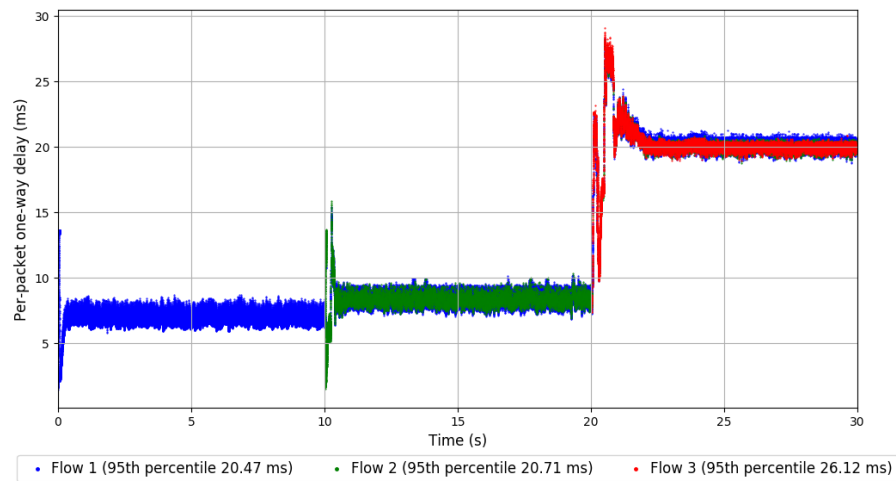
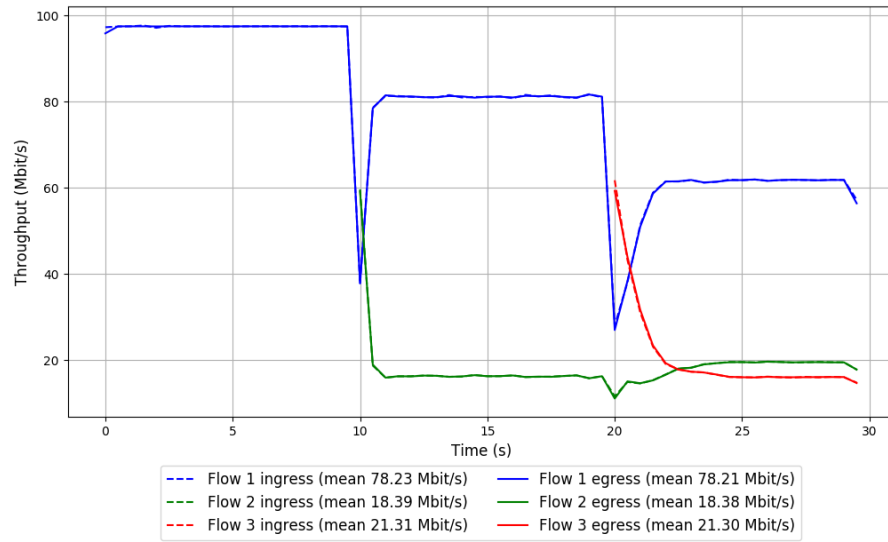


Run 4: Statistics of TCP BBR

Start at: 2018-04-10 19:09:36
End at: 2018-04-10 19:10:06
Local clock offset: -5.765 ms
Remote clock offset: -6.922 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 20.683 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 78.21 Mbit/s
95th percentile per-packet one-way delay: 20.473 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 20.706 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 21.30 Mbit/s
95th percentile per-packet one-way delay: 26.124 ms
Loss rate: 0.16%

Run 4: Report of TCP BBR — Data Link

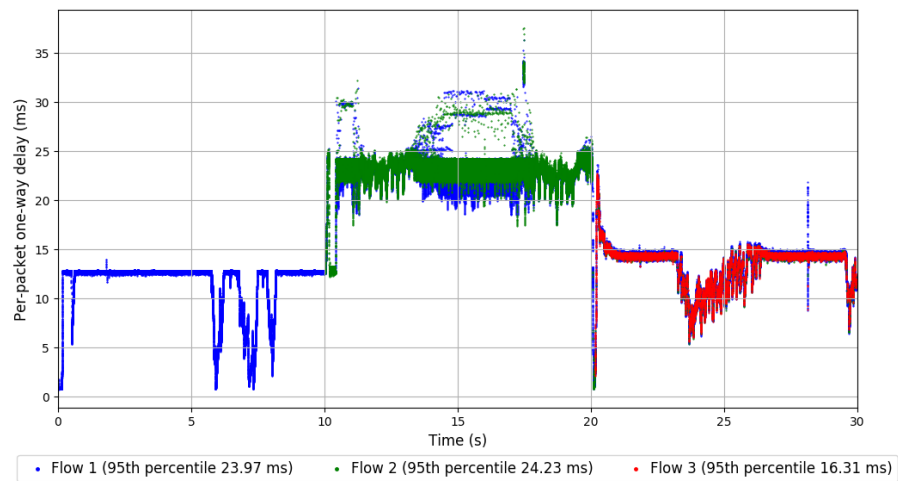
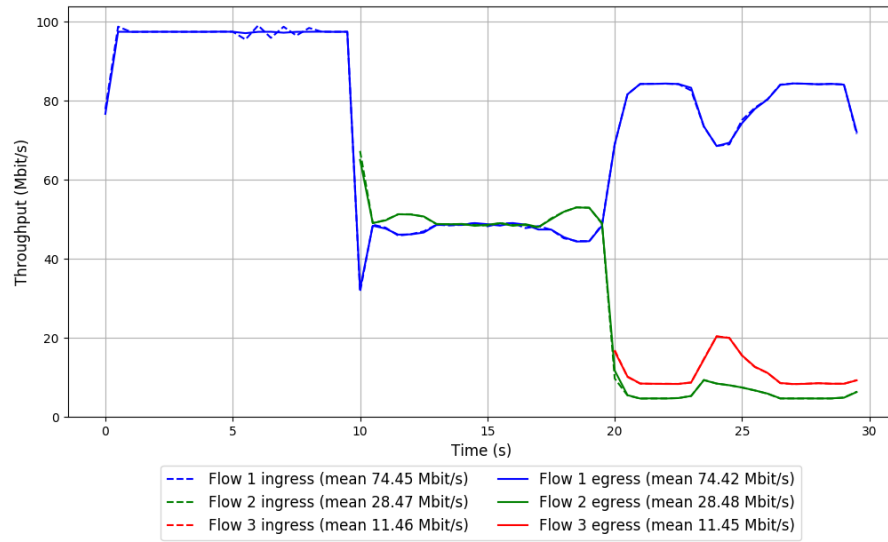


Run 5: Statistics of TCP BBR

Start at: 2018-04-10 19:29:57
End at: 2018-04-10 19:30:27
Local clock offset: -6.067 ms
Remote clock offset: -7.133 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.12 Mbit/s
95th percentile per-packet one-way delay: 24.132 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 74.42 Mbit/s
95th percentile per-packet one-way delay: 23.968 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 24.227 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 11.45 Mbit/s
95th percentile per-packet one-way delay: 16.311 ms
Loss rate: 0.13%

Run 5: Report of TCP BBR — Data Link

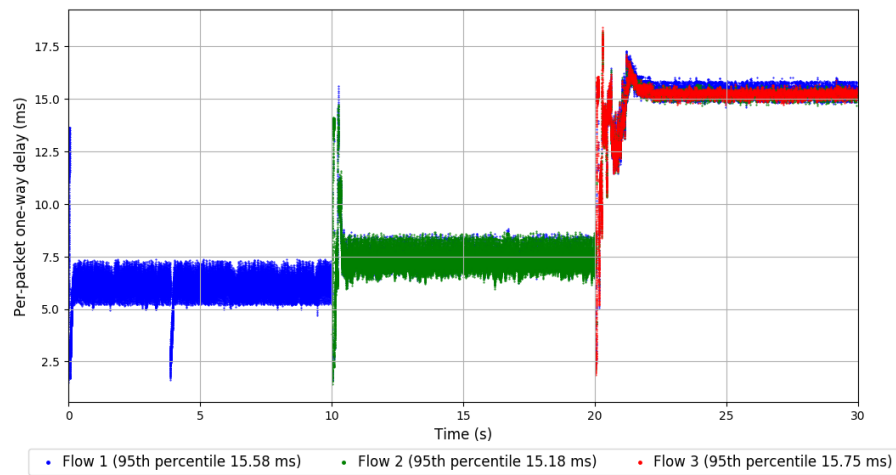
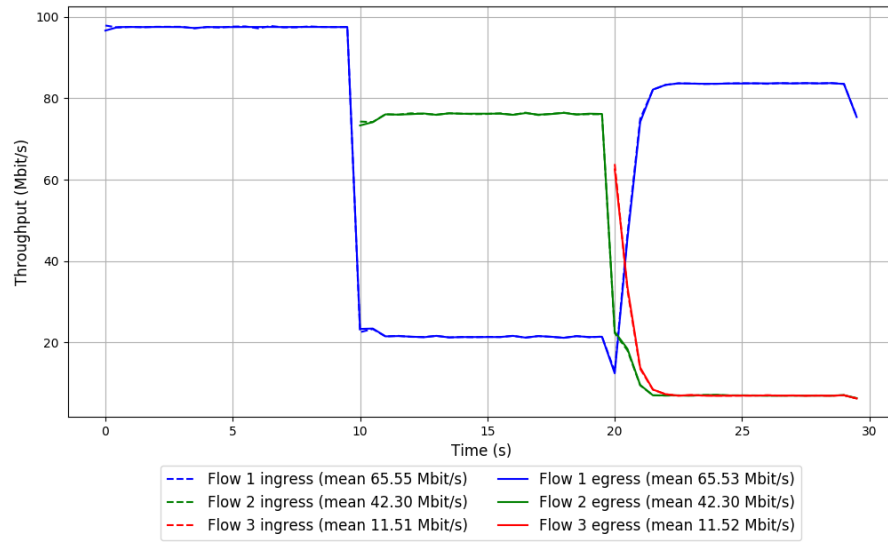


Run 6: Statistics of TCP BBR

Start at: 2018-04-10 19:50:17
End at: 2018-04-10 19:50:47
Local clock offset: -4.929 ms
Remote clock offset: -6.932 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.50 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 15.583 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 15.178 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 15.754 ms
Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link

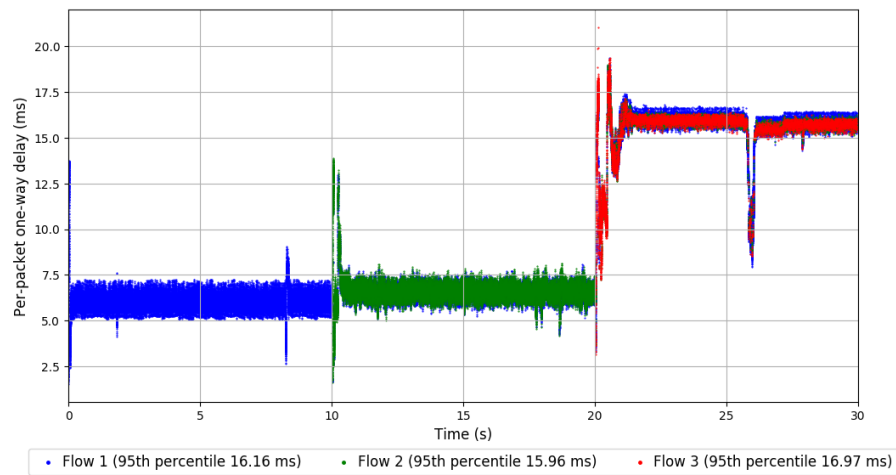
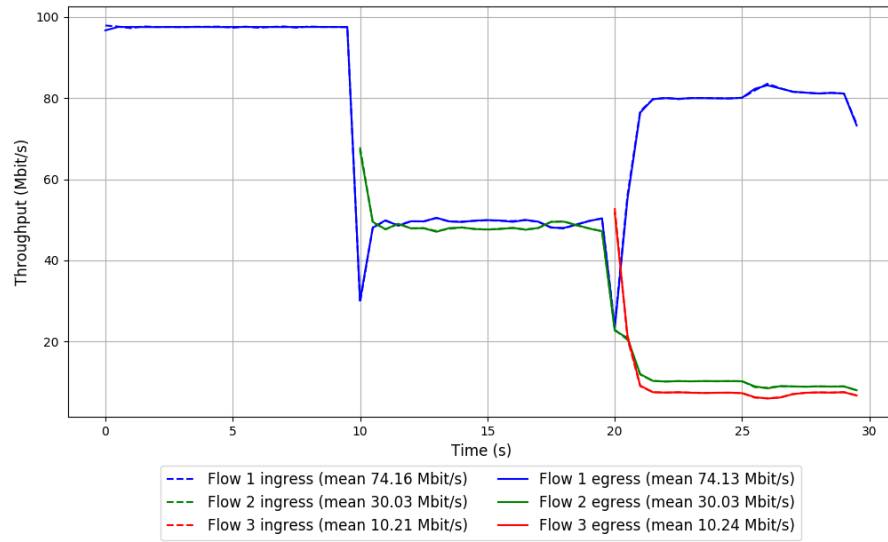


Run 7: Statistics of TCP BBR

Start at: 2018-04-10 20:10:37
End at: 2018-04-10 20:11:07
Local clock offset: -5.369 ms
Remote clock offset: -7.174 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 16.147 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 16.162 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 15.956 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 16.970 ms
Loss rate: 0.13%

Run 7: Report of TCP BBR — Data Link

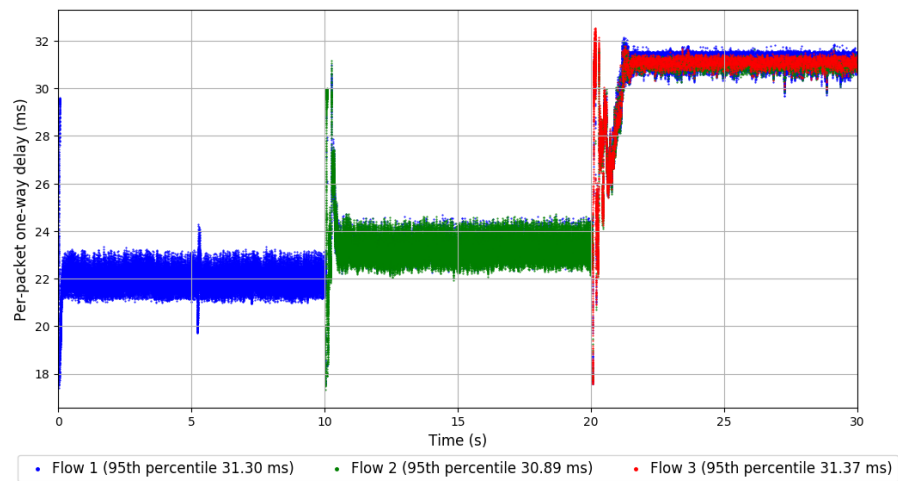
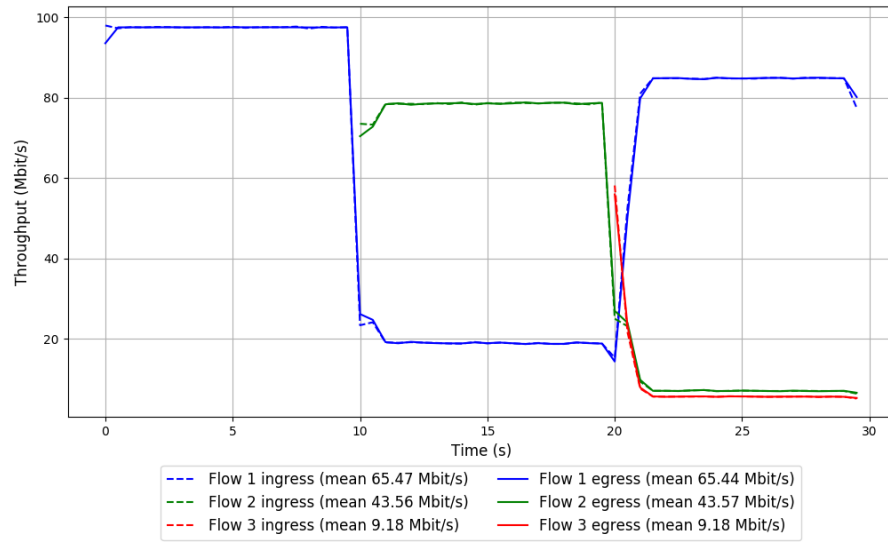


Run 8: Statistics of TCP BBR

Start at: 2018-04-10 20:30:55
End at: 2018-04-10 20:31:25
Local clock offset: -6.728 ms
Remote clock offset: -23.917 ms

Below is generated by plot.py at 2018-04-11 01:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 31.285 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 31.301 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 31.370 ms
Loss rate: 0.11%

Run 8: Report of TCP BBR — Data Link

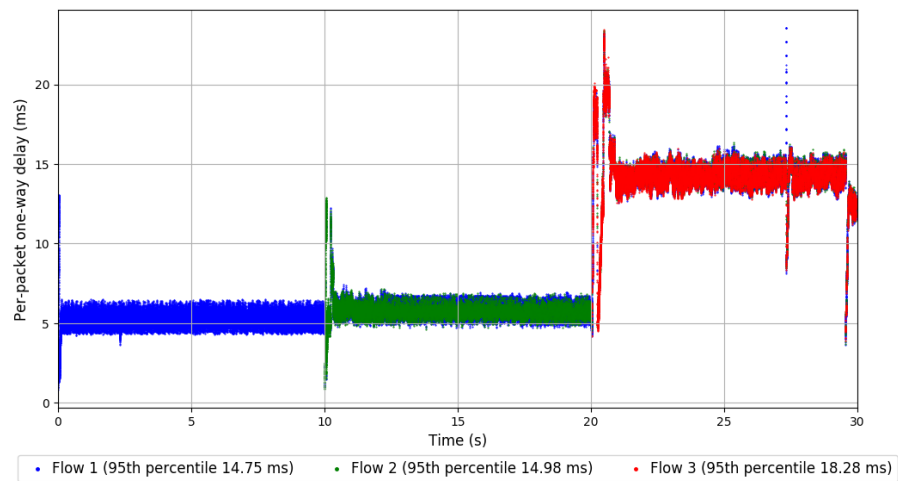
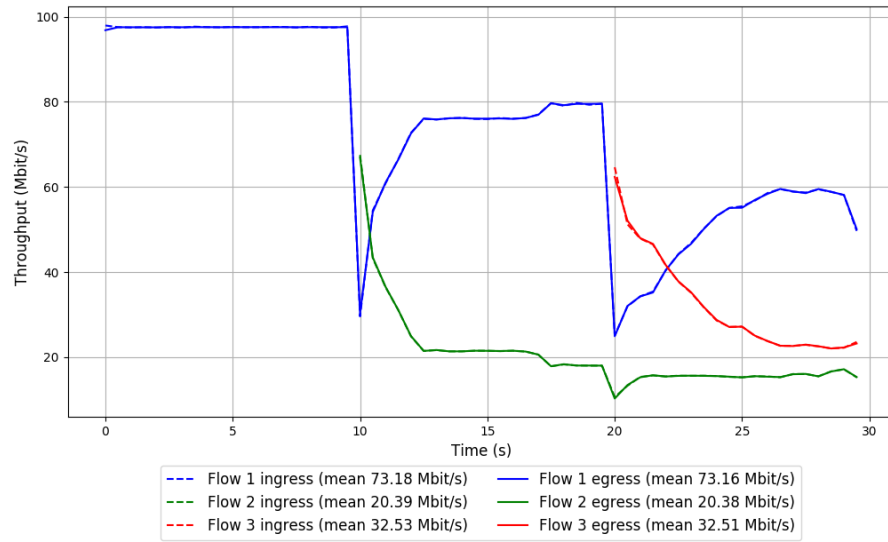


Run 9: Statistics of TCP BBR

Start at: 2018-04-10 20:51:13
End at: 2018-04-10 20:51:43
Local clock offset: -7.491 ms
Remote clock offset: -6.959 ms

Below is generated by plot.py at 2018-04-11 01:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 14.943 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.16 Mbit/s
95th percentile per-packet one-way delay: 14.753 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 14.981 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.51 Mbit/s
95th percentile per-packet one-way delay: 18.280 ms
Loss rate: 0.14%

Run 9: Report of TCP BBR — Data Link

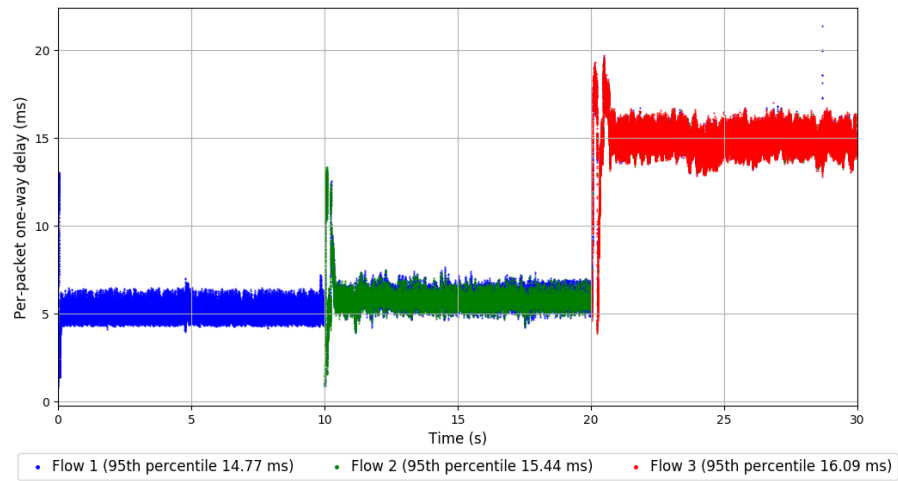
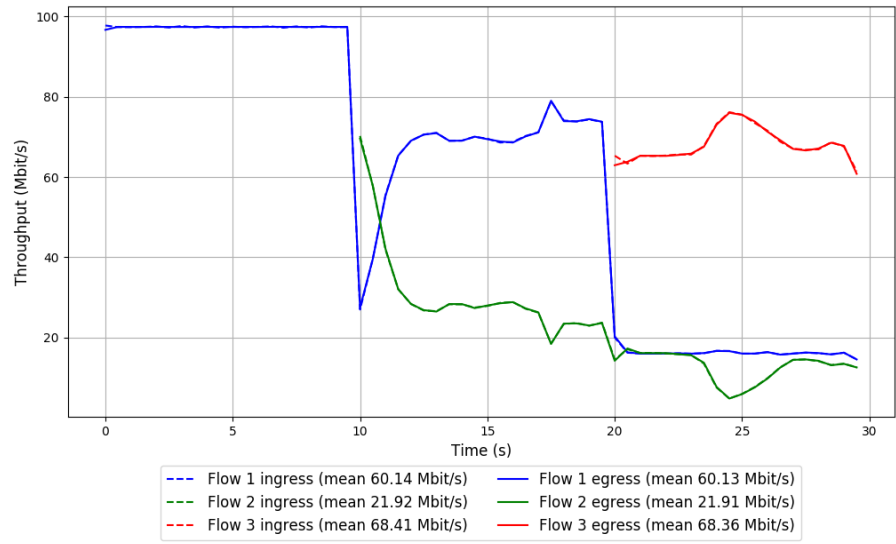


Run 10: Statistics of TCP BBR

Start at: 2018-04-10 21:11:36
End at: 2018-04-10 21:12:06
Local clock offset: -7.201 ms
Remote clock offset: -6.937 ms

Below is generated by plot.py at 2018-04-11 01:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 15.530 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 14.773 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 21.91 Mbit/s
95th percentile per-packet one-way delay: 15.435 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 16.088 ms
Loss rate: 0.18%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 18:25:35

End at: 2018-04-10 18:26:05

Local clock offset: -6.645 ms

Remote clock offset: -7.827 ms

Run 1: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 18:45:58

End at: 2018-04-10 18:46:28

Local clock offset: -6.028 ms

Remote clock offset: -6.24 ms

Run 2: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 19:06:18

End at: 2018-04-10 19:06:48

Local clock offset: -6.502 ms

Remote clock offset: -6.889 ms

Run 3: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 19:26:37

End at: 2018-04-10 19:27:07

Local clock offset: -6.074 ms

Remote clock offset: -7.291 ms

Run 4: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 19:46:58

End at: 2018-04-10 19:47:28

Local clock offset: -6.427 ms

Remote clock offset: -7.03 ms

Run 5: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 20:07:18

End at: 2018-04-10 20:07:48

Local clock offset: -6.901 ms

Remote clock offset: -7.08 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 20:27:36

End at: 2018-04-10 20:28:06

Local clock offset: -6.396 ms

Remote clock offset: -7.274 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 20:47:55

End at: 2018-04-10 20:48:25

Local clock offset: -8.262 ms

Remote clock offset: -6.99 ms

Run 8: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 21:08:17

End at: 2018-04-10 21:08:47

Local clock offset: -8.1 ms

Remote clock offset: -6.922 ms

Run 9: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 21:28:37

End at: 2018-04-10 21:29:07

Local clock offset: -7.106 ms

Remote clock offset: -6.924 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-04-10 18:16:32

End at: 2018-04-10 18:17:02

Local clock offset: -6.523 ms

Remote clock offset: -9.733 ms

Run 1: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-04-10 18:36:54

End at: 2018-04-10 18:37:24

Local clock offset: -6.786 ms

Remote clock offset: -6.619 ms

Run 2: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-04-10 18:57:15

End at: 2018-04-10 18:57:45

Local clock offset: -6.551 ms

Remote clock offset: -6.423 ms

Run 3: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-04-10 19:17:33

End at: 2018-04-10 19:18:03

Local clock offset: -5.745 ms

Remote clock offset: -7.075 ms

Run 4: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-04-10 19:37:55

End at: 2018-04-10 19:38:25

Local clock offset: -5.773 ms

Remote clock offset: -6.969 ms

Run 5: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-04-10 19:58:15

End at: 2018-04-10 19:58:45

Local clock offset: -6.672 ms

Remote clock offset: -6.974 ms

Run 6: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of LEDBAT

Start at: 2018-04-10 20:18:33

End at: 2018-04-10 20:19:03

Local clock offset: -6.971 ms

Remote clock offset: -7.179 ms

Run 7: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-04-10 20:38:53

End at: 2018-04-10 20:39:23

Local clock offset: -7.907 ms

Remote clock offset: -7.146 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-04-10 20:59:11

End at: 2018-04-10 20:59:41

Local clock offset: -7.733 ms

Remote clock offset: -6.926 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-04-10 21:19:32

End at: 2018-04-10 21:20:02

Local clock offset: -7.088 ms

Remote clock offset: -7.013 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

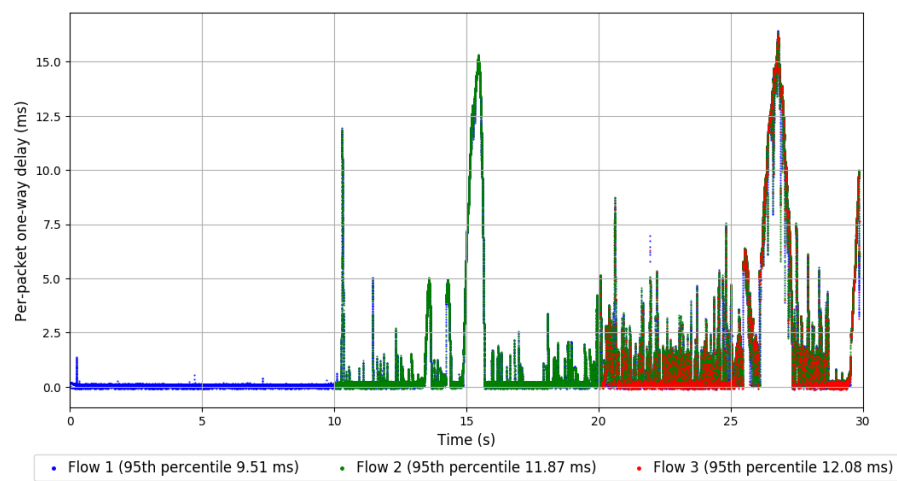
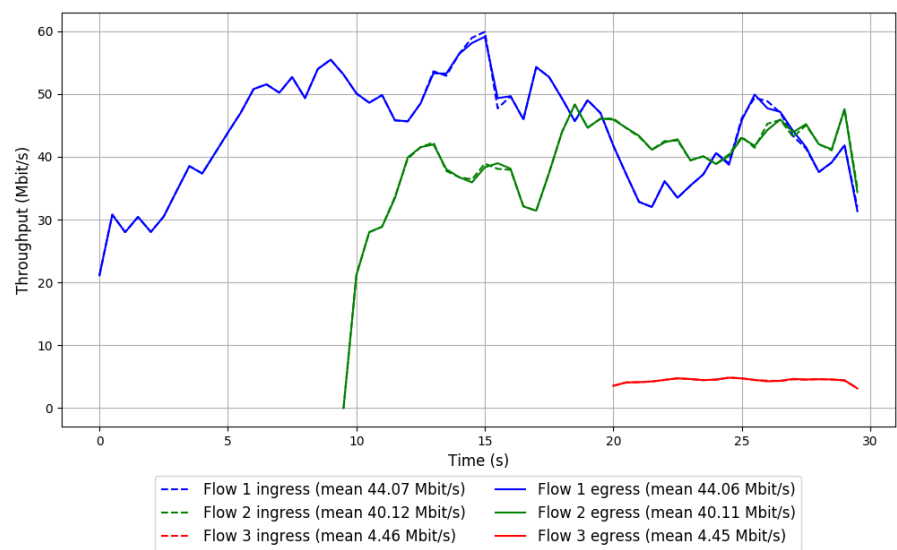
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-04-10 18:17:40
End at: 2018-04-10 18:18:10
Local clock offset: -7.322 ms
Remote clock offset: -9.755 ms

Below is generated by plot.py at 2018-04-11 01:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 72.20 Mbit/s
95th percentile per-packet one-way delay: 10.398 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 9.509 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 11.874 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 12.082 ms
Loss rate: 0.05%

Run 1: Report of PCC — Data Link

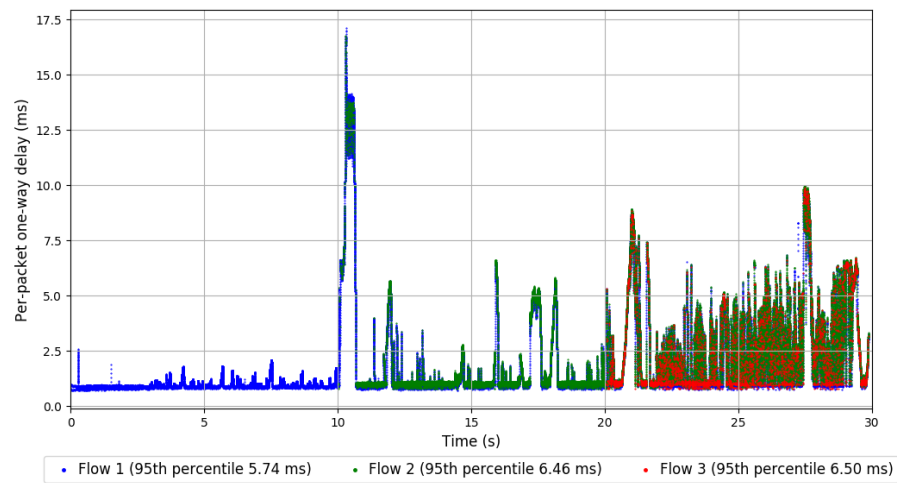
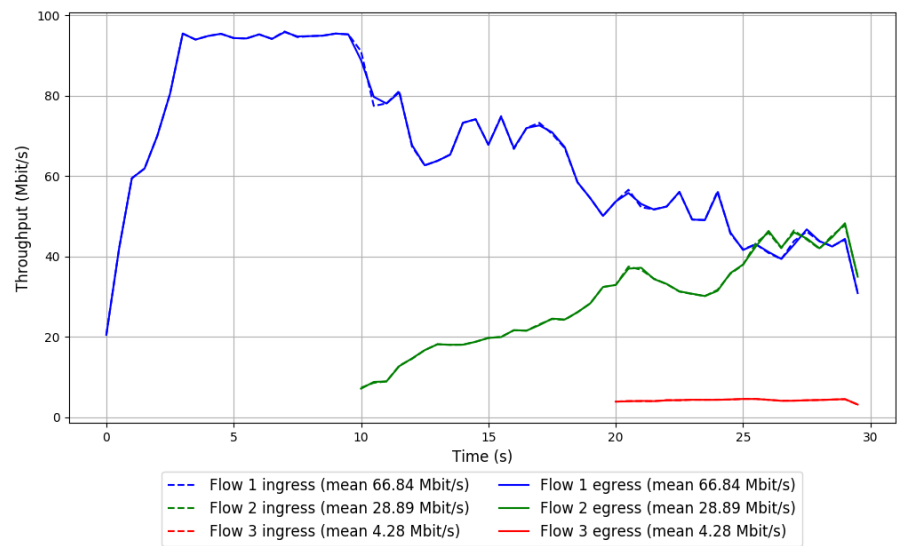


Run 2: Statistics of PCC

Start at: 2018-04-10 18:38:02
End at: 2018-04-10 18:38:32
Local clock offset: -6.876 ms
Remote clock offset: -6.555 ms

Below is generated by plot.py at 2018-04-11 01:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 6.058 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 5.735 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 6.459 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 6.495 ms
Loss rate: 0.03%

Run 2: Report of PCC — Data Link

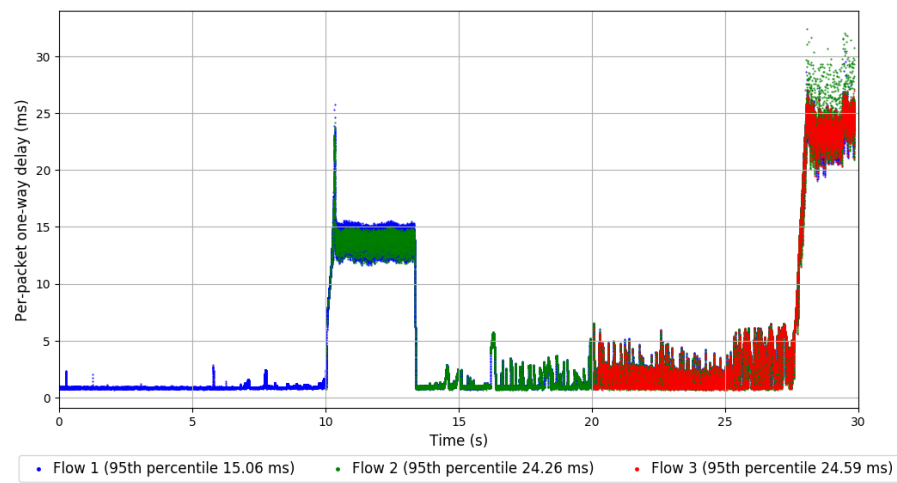
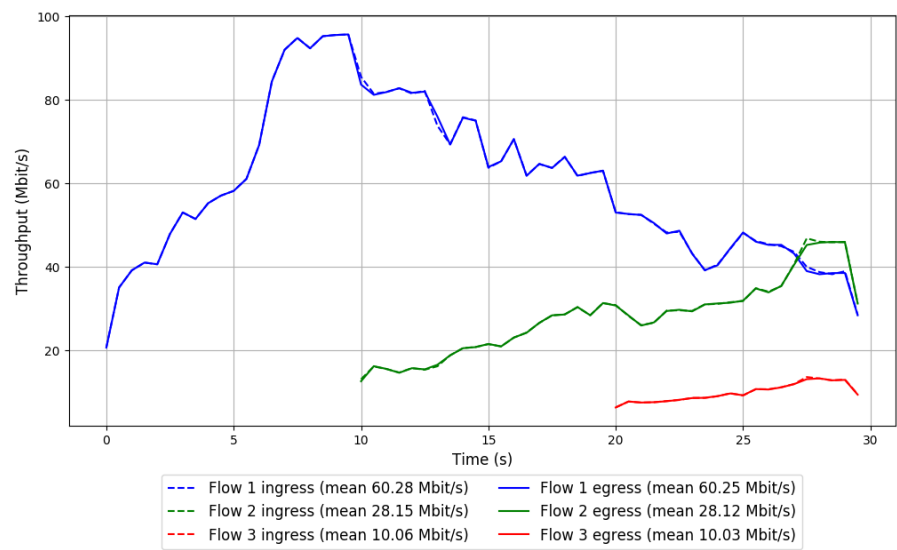


Run 3: Statistics of PCC

Start at: 2018-04-10 18:58:23
End at: 2018-04-10 18:58:53
Local clock offset: -6.563 ms
Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-04-11 01:02:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.24 Mbit/s
95th percentile per-packet one-way delay: 22.981 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.25 Mbit/s
95th percentile per-packet one-way delay: 15.058 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 24.257 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 10.03 Mbit/s
95th percentile per-packet one-way delay: 24.590 ms
Loss rate: 0.38%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-10 19:18:41

End at: 2018-04-10 19:19:11

Local clock offset: -7.183 ms

Remote clock offset: -7.15 ms

Below is generated by plot.py at 2018-04-11 01:02:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.95 Mbit/s

95th percentile per-packet one-way delay: 6.381 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 71.75 Mbit/s

95th percentile per-packet one-way delay: 5.668 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 8.954 ms

Loss rate: 0.01%

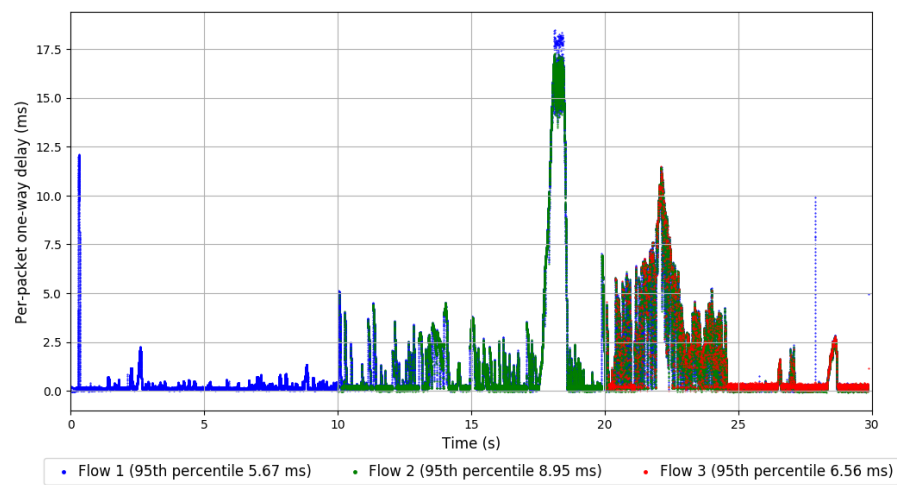
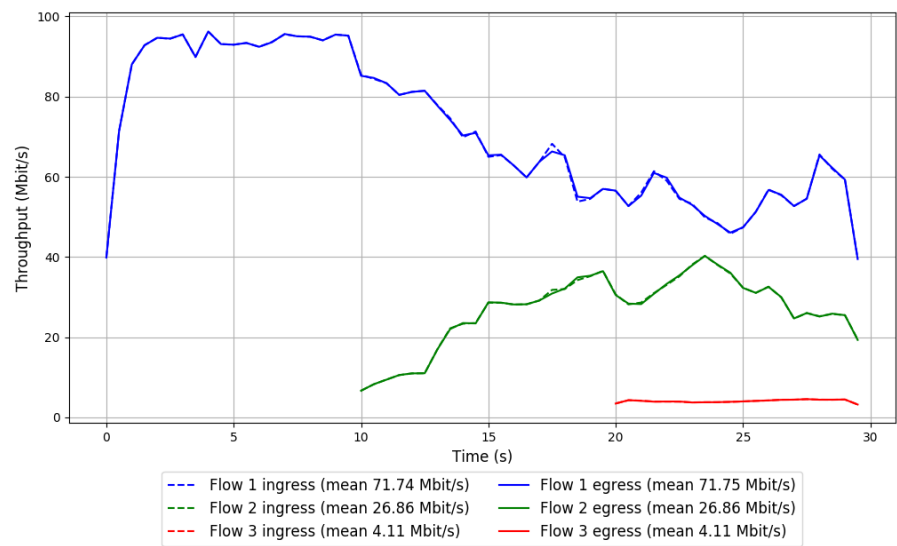
-- Flow 3:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 6.560 ms

Loss rate: 0.00%

Run 4: Report of PCC — Data Link

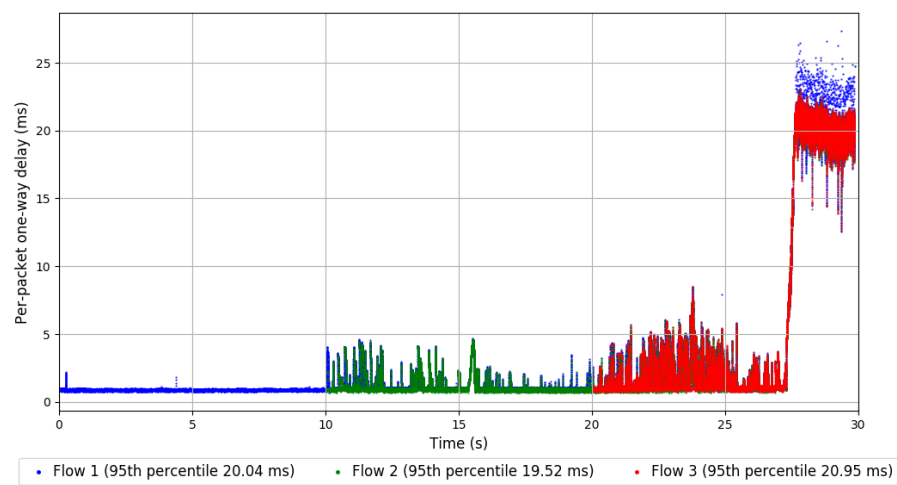
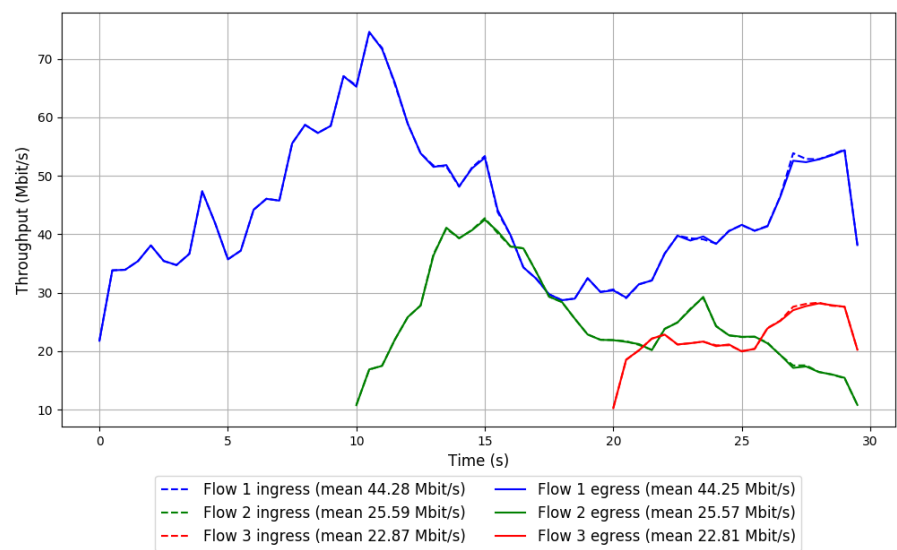


Run 5: Statistics of PCC

Start at: 2018-04-10 19:39:03
End at: 2018-04-10 19:39:33
Local clock offset: -5.864 ms
Remote clock offset: -7.036 ms

Below is generated by plot.py at 2018-04-11 01:02:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.74 Mbit/s
95th percentile per-packet one-way delay: 20.200 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 20.036 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 19.516 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 20.947 ms
Loss rate: 0.26%

Run 5: Report of PCC — Data Link

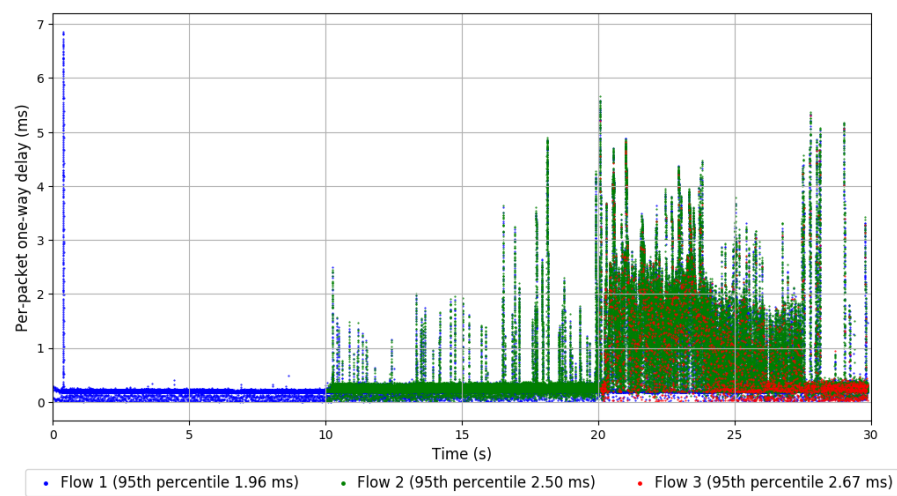
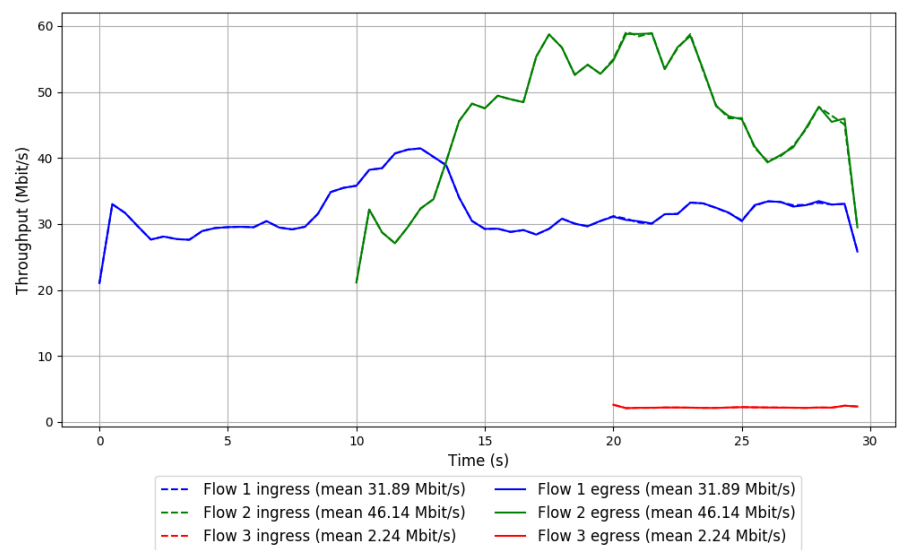


Run 6: Statistics of PCC

Start at: 2018-04-10 19:59:22
End at: 2018-04-10 19:59:52
Local clock offset: -6.758 ms
Remote clock offset: -7.049 ms

Below is generated by plot.py at 2018-04-11 01:02:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 2.264 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 1.960 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 2.667 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

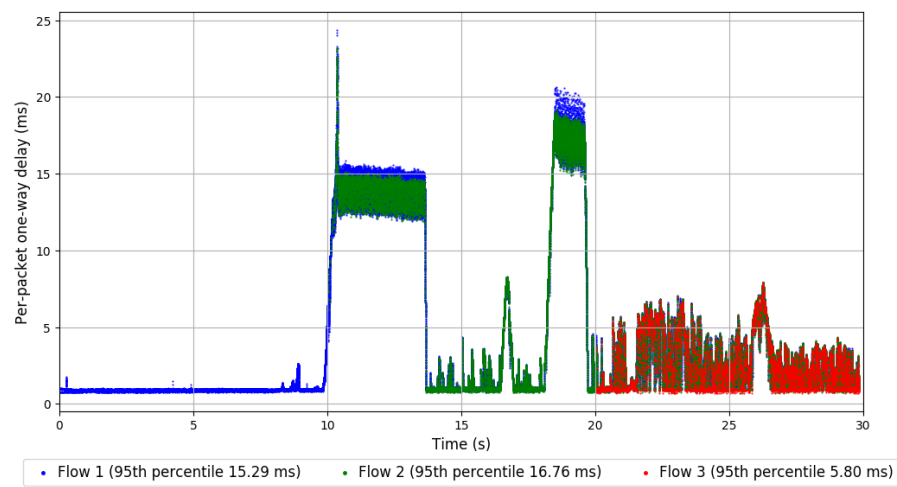
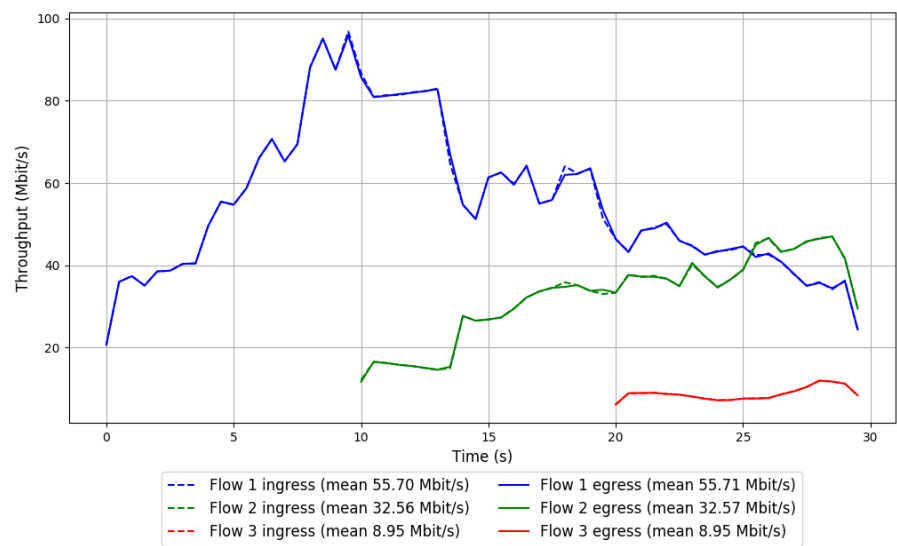


Run 7: Statistics of PCC

Start at: 2018-04-10 20:19:41
End at: 2018-04-10 20:20:11
Local clock offset: -6.177 ms
Remote clock offset: -7.211 ms

Below is generated by plot.py at 2018-04-11 01:03:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 15.702 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.71 Mbit/s
95th percentile per-packet one-way delay: 15.289 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 16.758 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 5.797 ms
Loss rate: 0.01%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-04-10 20:40:01

End at: 2018-04-10 20:40:31

Local clock offset: -7.898 ms

Remote clock offset: -7.13 ms

Below is generated by plot.py at 2018-04-11 01:03:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 5.738 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 83.54 Mbit/s

95th percentile per-packet one-way delay: 5.686 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 6.320 ms

Loss rate: 0.00%

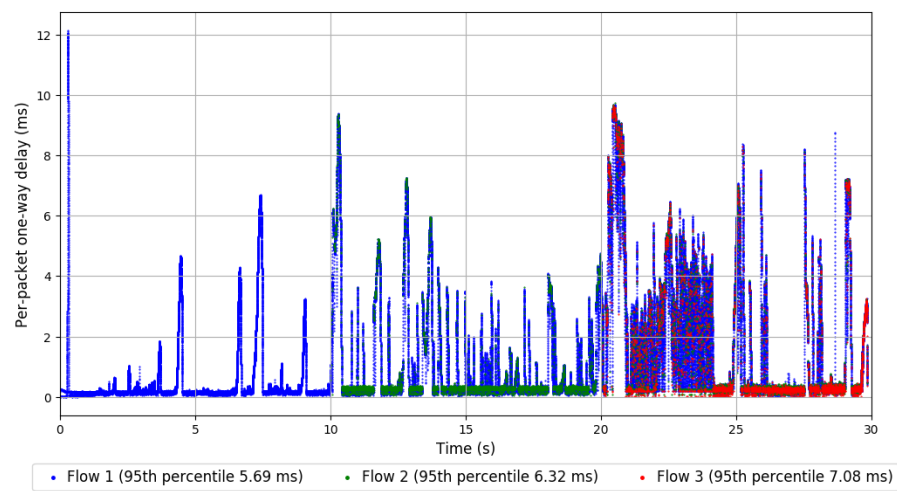
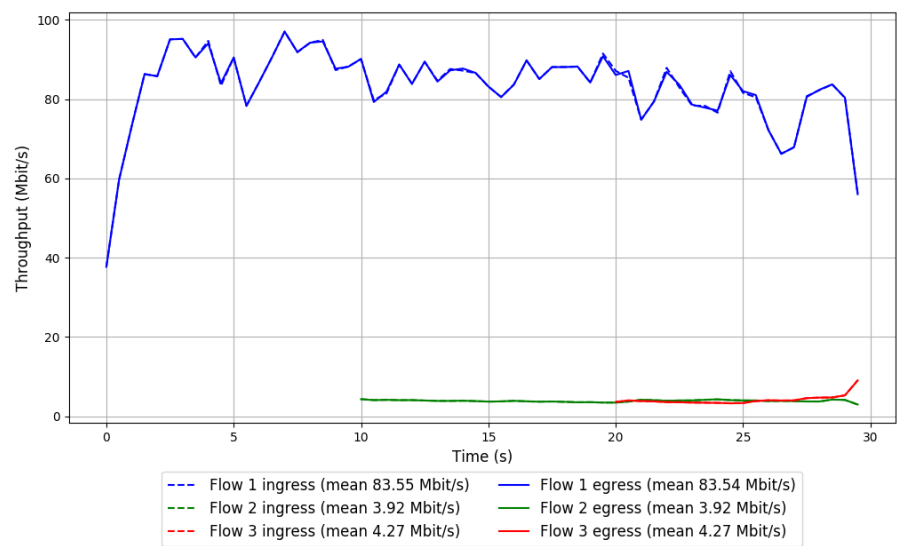
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 7.075 ms

Loss rate: 0.06%

Run 8: Report of PCC — Data Link

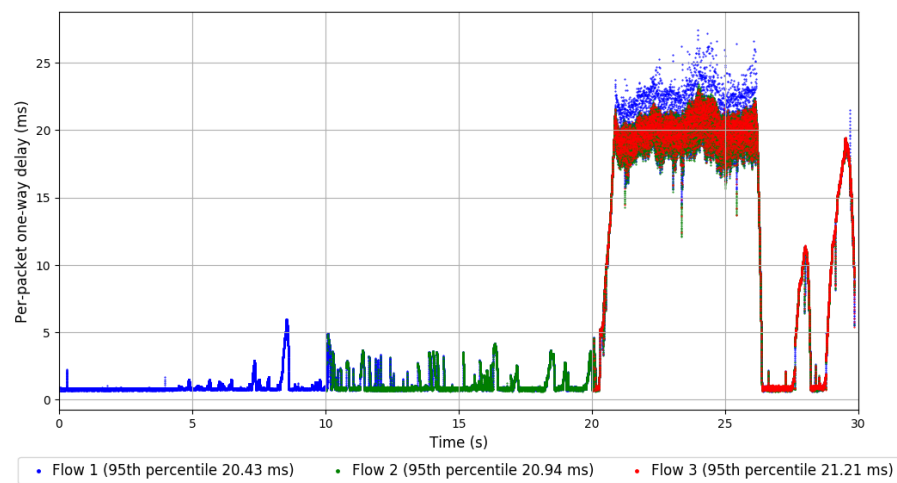
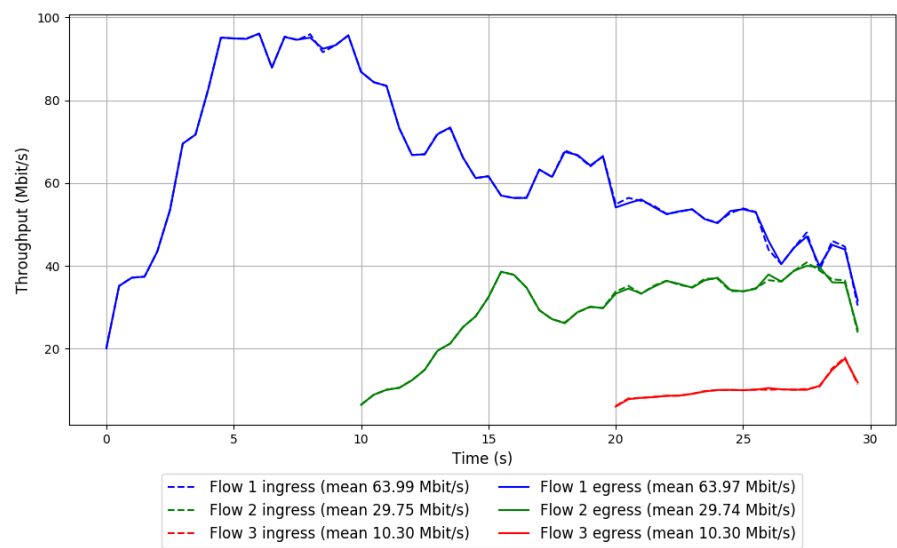


Run 9: Statistics of PCC

Start at: 2018-04-10 21:00:19
End at: 2018-04-10 21:00:49
Local clock offset: -7.741 ms
Remote clock offset: -6.921 ms

Below is generated by plot.py at 2018-04-11 01:03:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.10 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.97 Mbit/s
95th percentile per-packet one-way delay: 20.425 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.74 Mbit/s
95th percentile per-packet one-way delay: 20.937 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 21.215 ms
Loss rate: 0.10%

Run 9: Report of PCC — Data Link

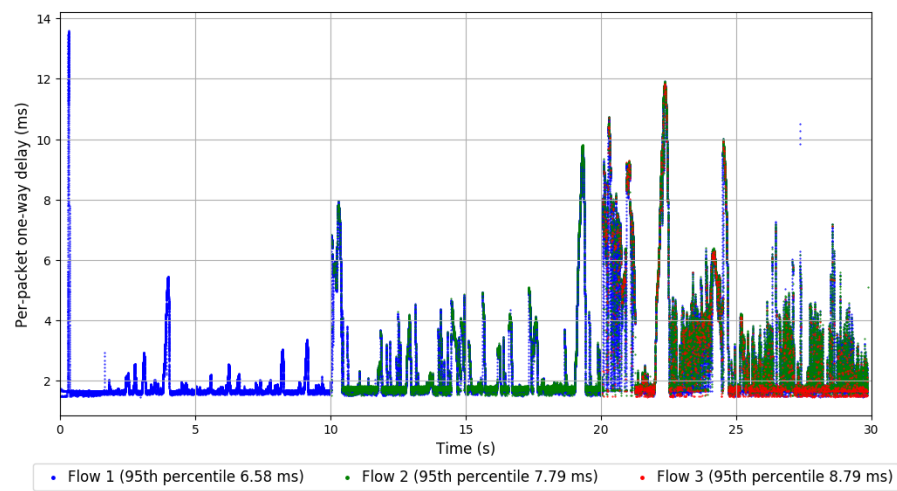
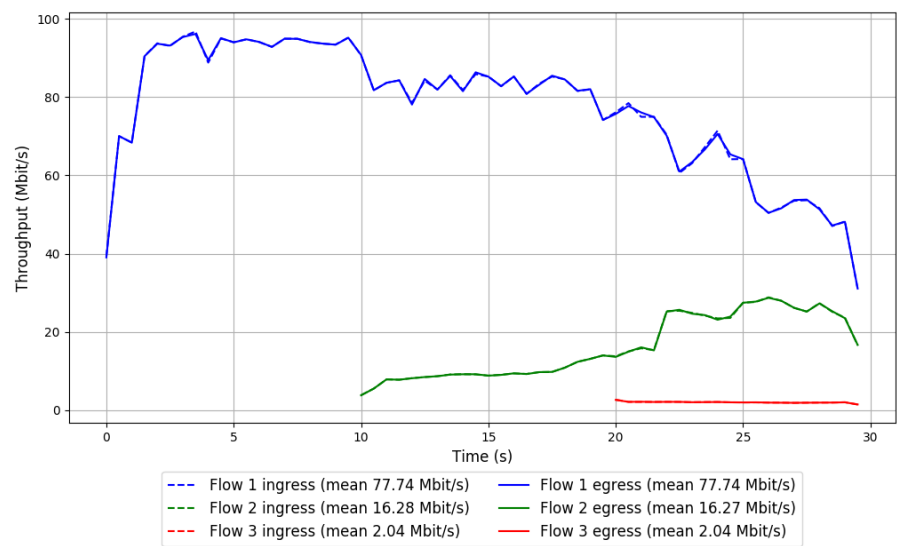


Run 10: Statistics of PCC

Start at: 2018-04-10 21:20:40
End at: 2018-04-10 21:21:10
Local clock offset: -6.373 ms
Remote clock offset: -6.969 ms

Below is generated by plot.py at 2018-04-11 01:03:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 6.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.74 Mbit/s
95th percentile per-packet one-way delay: 6.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.27 Mbit/s
95th percentile per-packet one-way delay: 7.794 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 8.786 ms
Loss rate: 0.00%

Run 10: Report of PCC — Data Link

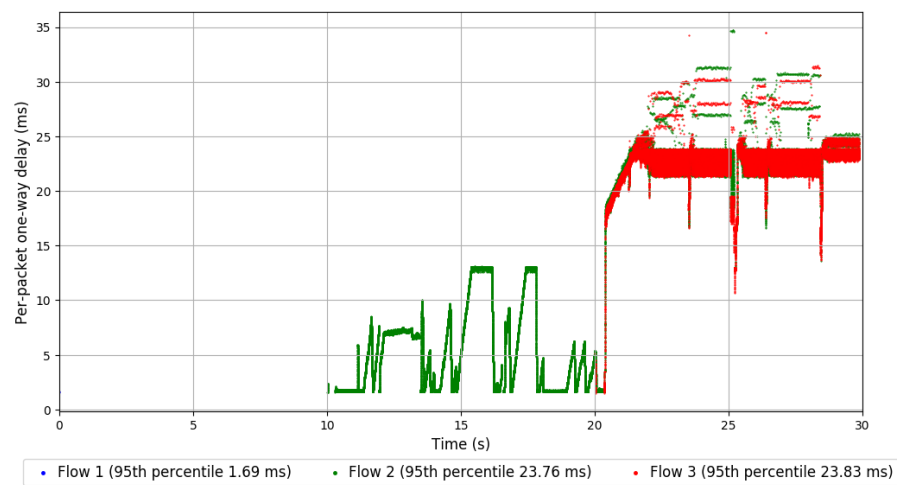
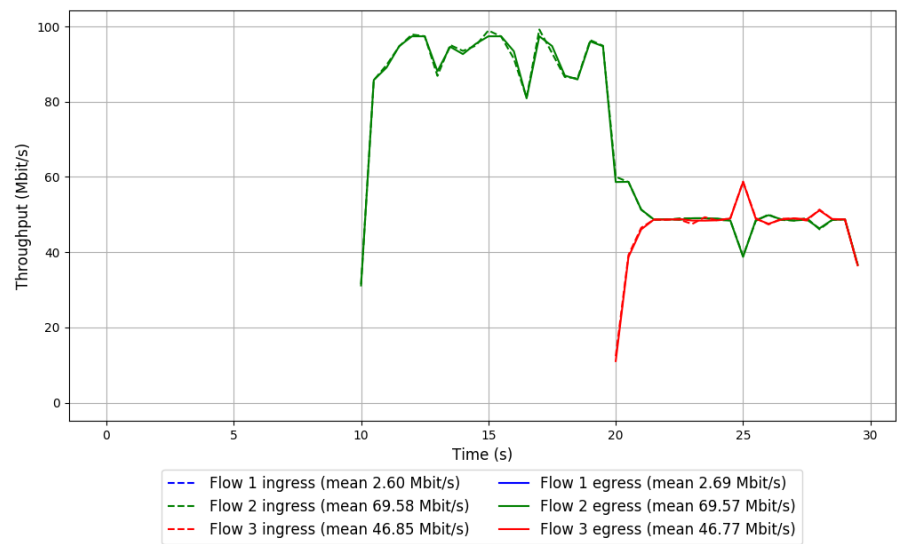


Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 18:14:17
End at: 2018-04-10 18:14:47
Local clock offset: -5.613 ms
Remote clock offset: -9.555 ms

Below is generated by plot.py at 2018-04-11 01:03:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 23.771 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 1.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 23.758 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 23.832 ms
Loss rate: 0.23%

Run 1: Report of QUIC Cubic — Data Link

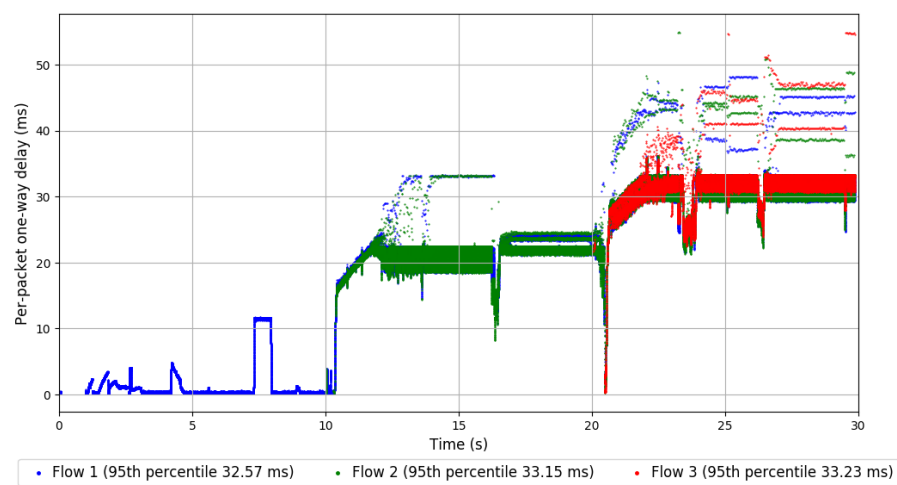
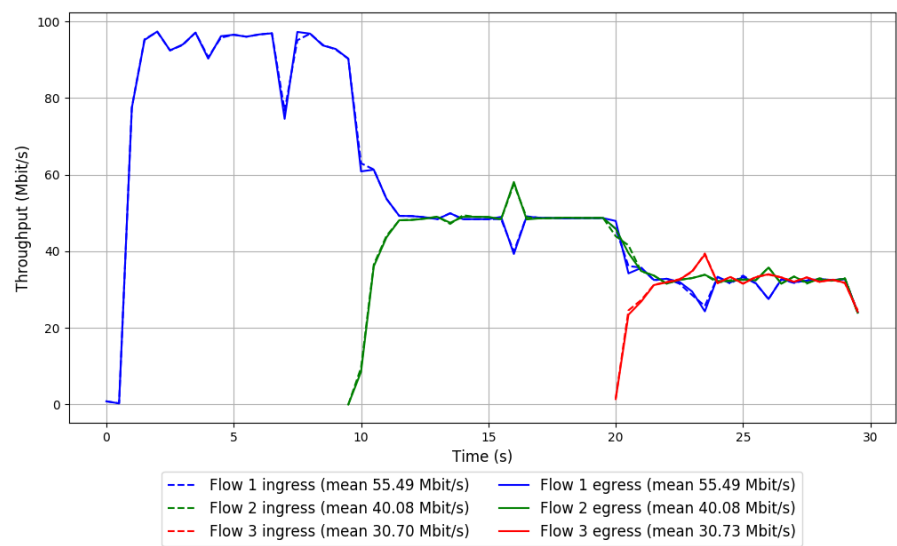


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 18:34:38
End at: 2018-04-10 18:35:08
Local clock offset: -7.522 ms
Remote clock offset: -6.749 ms

Below is generated by plot.py at 2018-04-11 01:03:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 33.133 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 32.566 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 33.150 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 33.226 ms
Loss rate: 0.41%

Run 2: Report of QUIC Cubic — Data Link

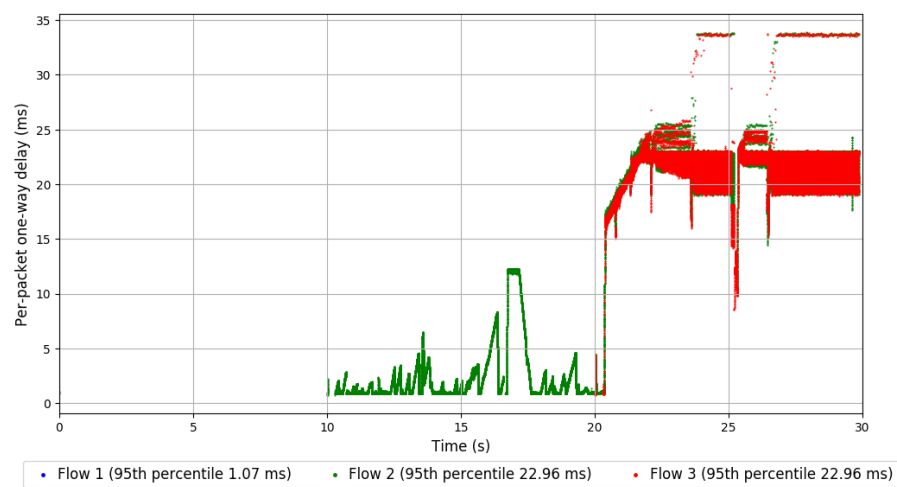
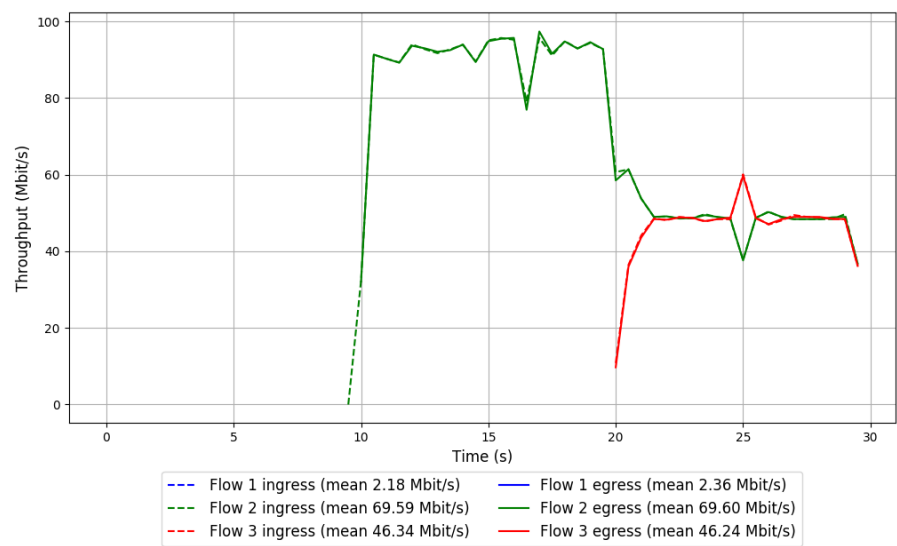


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 18:55:00
End at: 2018-04-10 18:55:30
Local clock offset: -6.58 ms
Remote clock offset: -6.279 ms

Below is generated by plot.py at 2018-04-11 01:03:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 22.959 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.60 Mbit/s
95th percentile per-packet one-way delay: 22.958 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 22.963 ms
Loss rate: 0.24%

Run 3: Report of QUIC Cubic — Data Link

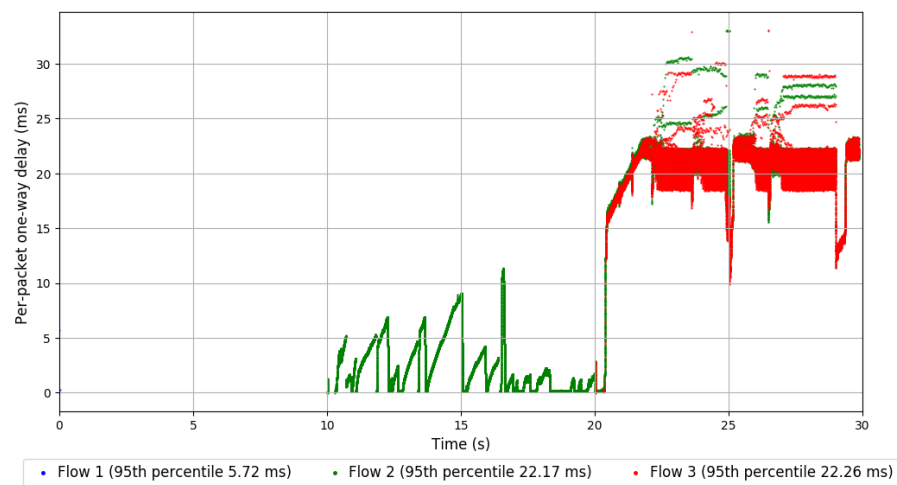
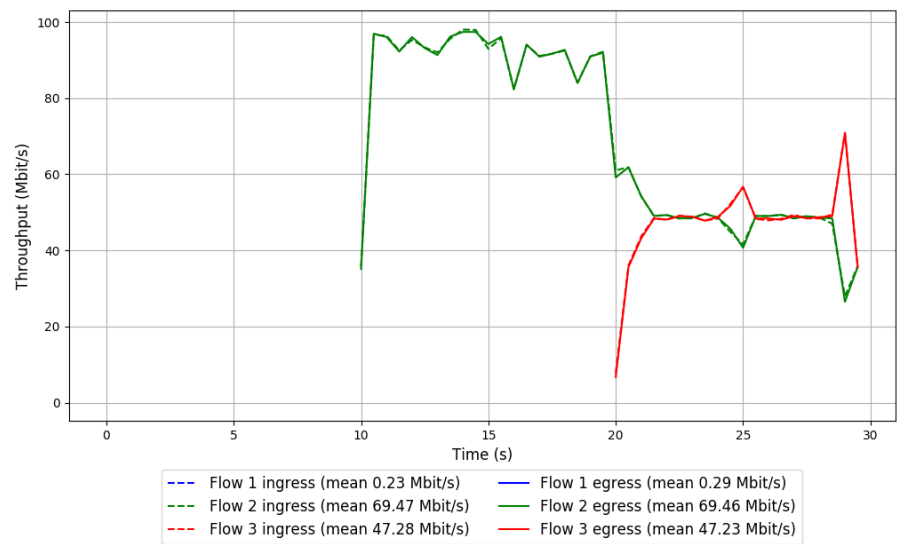


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 19:15:19
End at: 2018-04-10 19:15:49
Local clock offset: -7.319 ms
Remote clock offset: -7.094 ms

Below is generated by plot.py at 2018-04-11 01:03:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 22.196 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 5.718 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 22.172 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 47.23 Mbit/s
95th percentile per-packet one-way delay: 22.259 ms
Loss rate: 0.25%

Run 4: Report of QUIC Cubic — Data Link

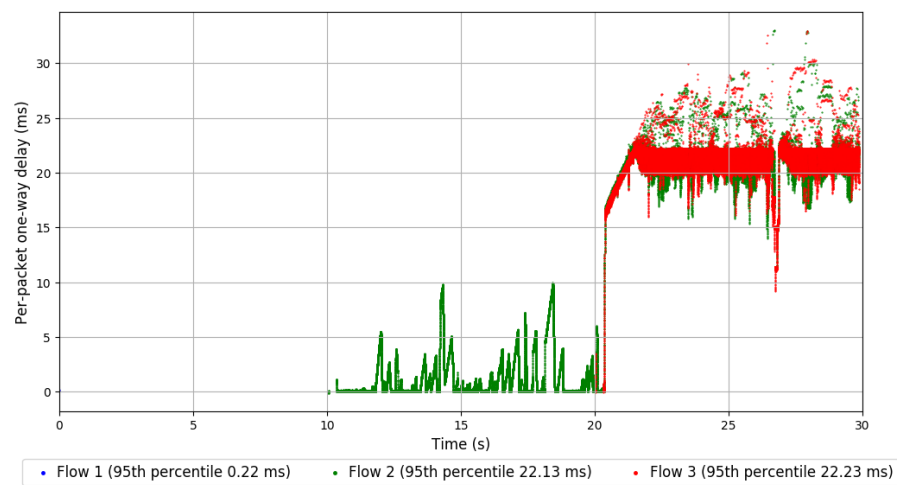
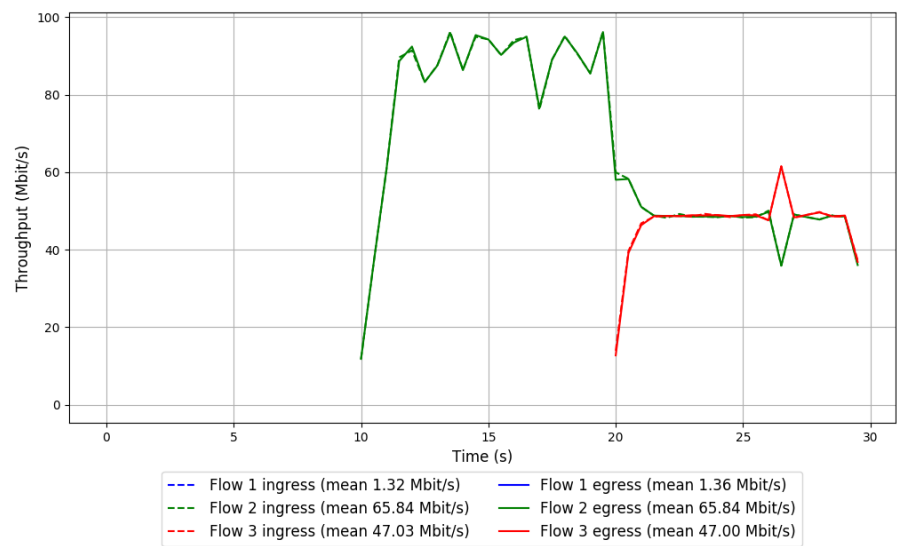


Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 19:35:41
End at: 2018-04-10 19:36:11
Local clock offset: -6.681 ms
Remote clock offset: -7.025 ms

Below is generated by plot.py at 2018-04-11 01:04:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 22.161 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 0.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 22.134 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 22.225 ms
Loss rate: 0.24%

Run 5: Report of QUIC Cubic — Data Link

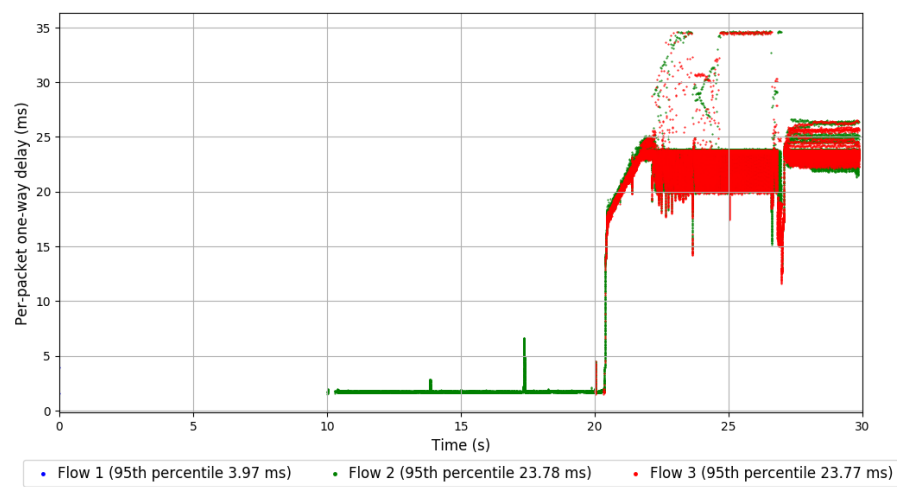
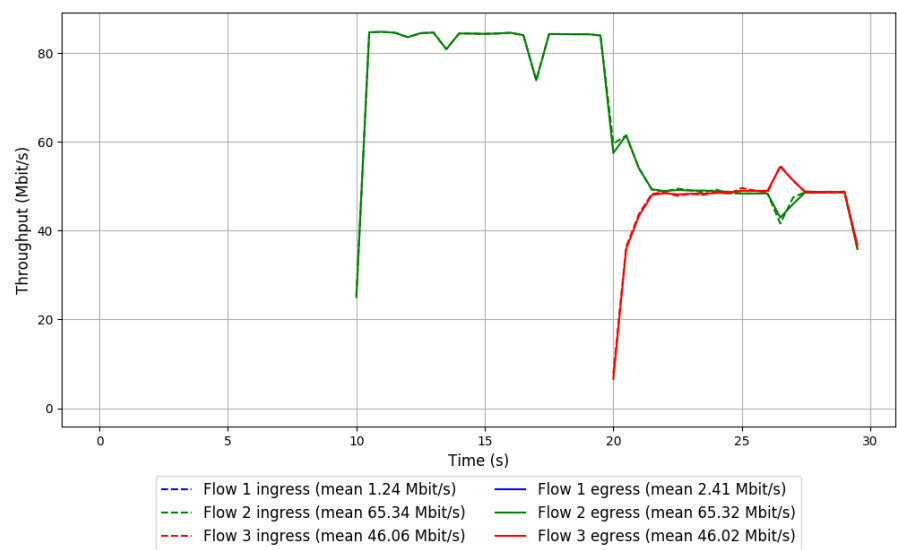


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 19:56:00
End at: 2018-04-10 19:56:30
Local clock offset: -5.105 ms
Remote clock offset: -6.987 ms

Below is generated by plot.py at 2018-04-11 01:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.65 Mbit/s
95th percentile per-packet one-way delay: 23.781 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 3.969 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 23.784 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 23.775 ms
Loss rate: 0.25%

Run 6: Report of QUIC Cubic — Data Link

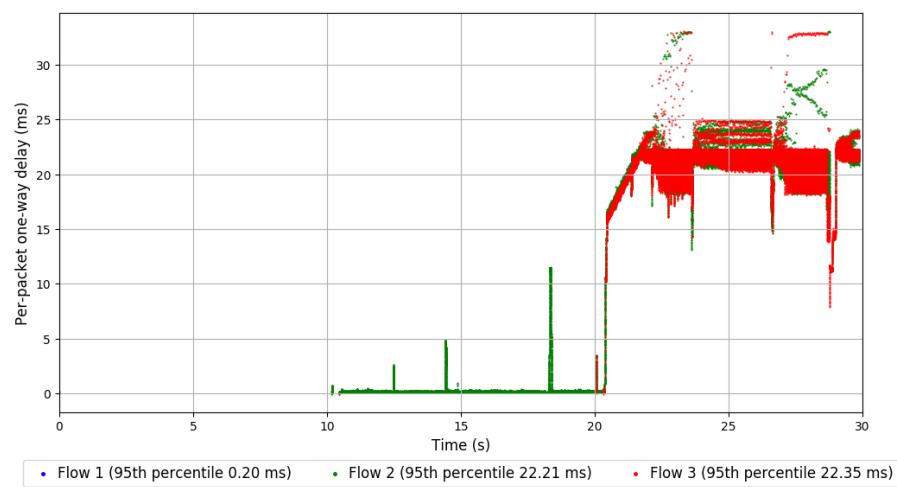
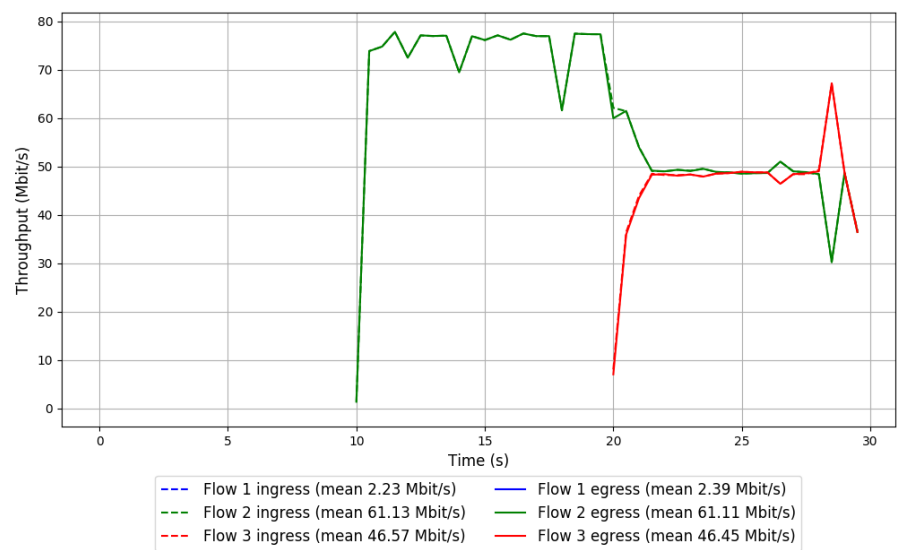


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 20:16:19
End at: 2018-04-10 20:16:49
Local clock offset: -6.975 ms
Remote clock offset: -7.164 ms

Below is generated by plot.py at 2018-04-11 01:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.65 Mbit/s
95th percentile per-packet one-way delay: 22.232 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 0.205 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.11 Mbit/s
95th percentile per-packet one-way delay: 22.212 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 22.348 ms
Loss rate: 0.25%

Run 7: Report of QUIC Cubic — Data Link

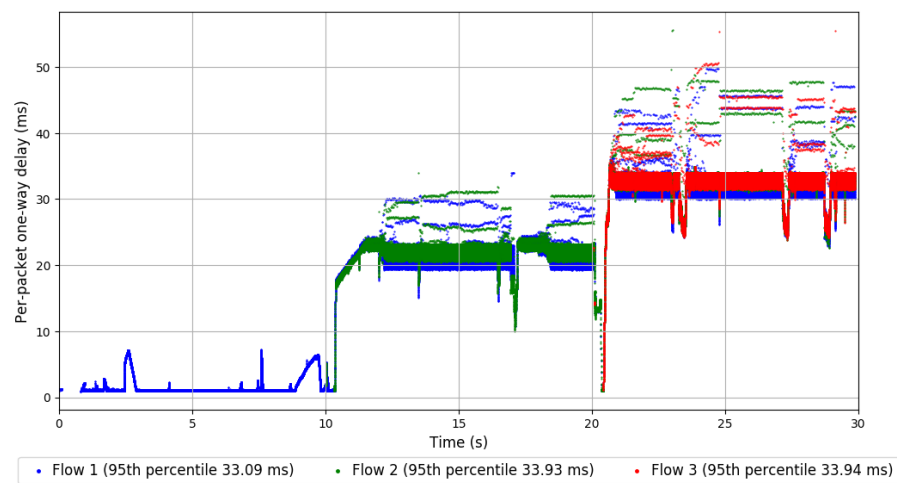
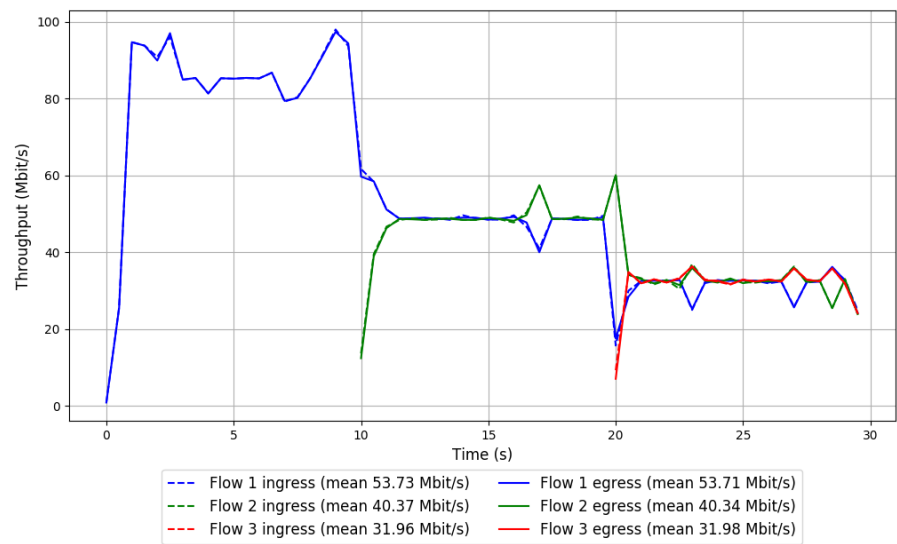


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 20:36:37
End at: 2018-04-10 20:37:07
Local clock offset: -7.047 ms
Remote clock offset: -7.306 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.04 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 33.094 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.34 Mbit/s
95th percentile per-packet one-way delay: 33.932 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.98 Mbit/s
95th percentile per-packet one-way delay: 33.938 ms
Loss rate: 0.34%

Run 8: Report of QUIC Cubic — Data Link

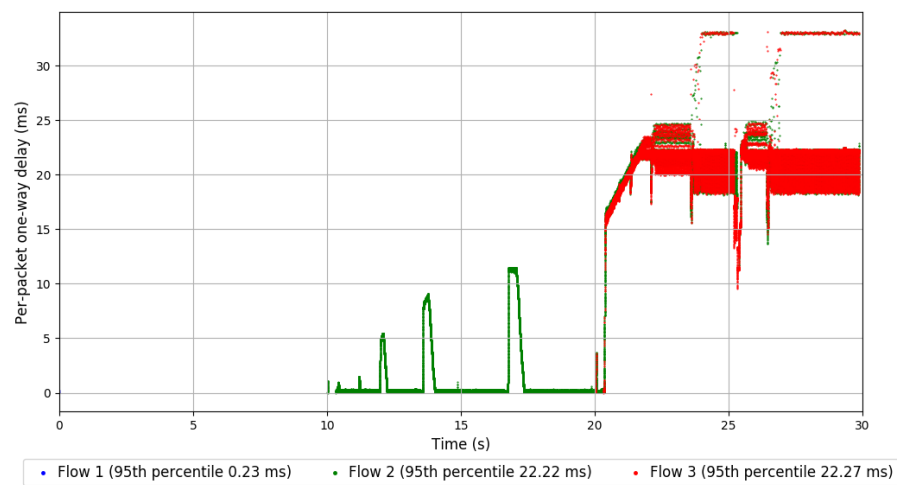
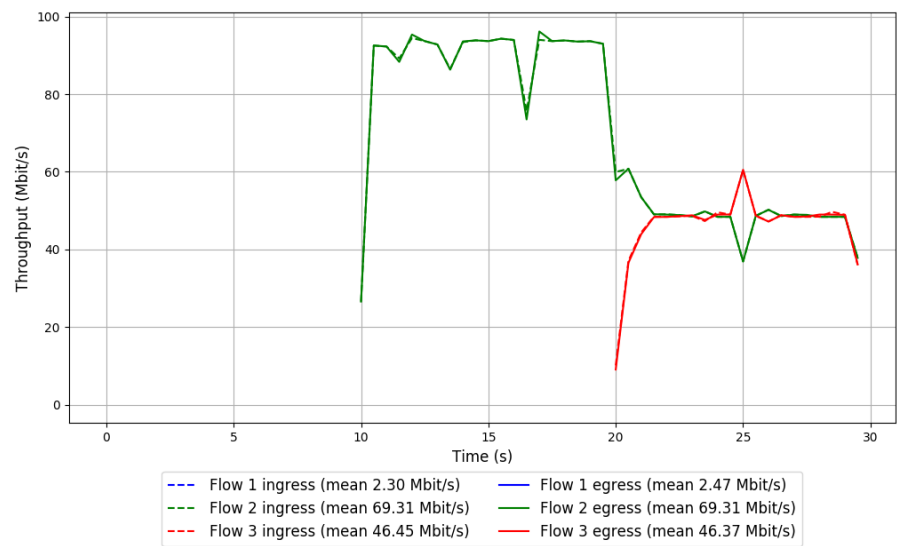


Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 20:56:57
End at: 2018-04-10 20:57:27
Local clock offset: -8.48 ms
Remote clock offset: -6.932 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 22.242 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 0.235 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.31 Mbit/s
95th percentile per-packet one-way delay: 22.216 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 22.271 ms
Loss rate: 0.23%

Run 9: Report of QUIC Cubic — Data Link

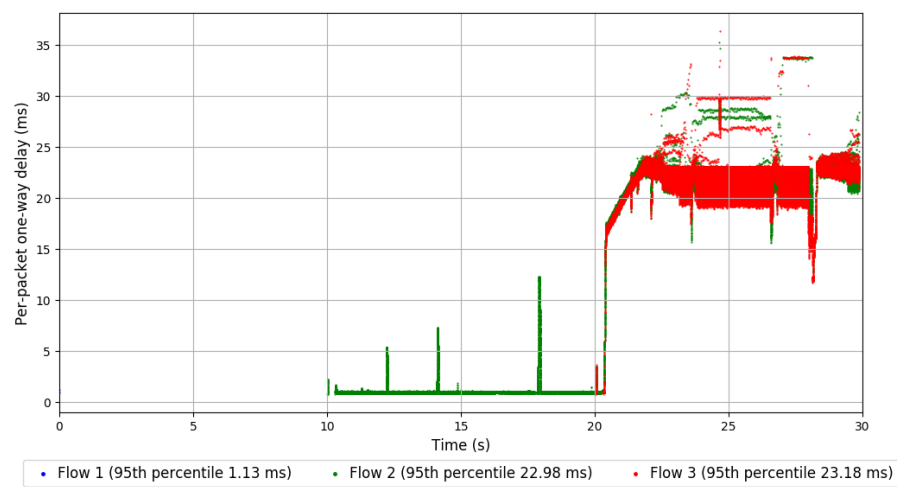
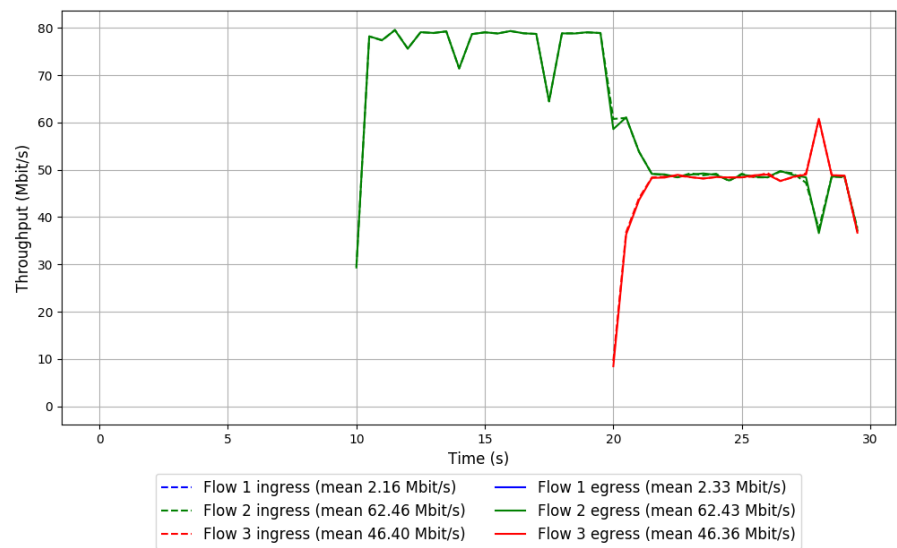


Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 21:17:18
End at: 2018-04-10 21:17:48
Local clock offset: -7.15 ms
Remote clock offset: -6.936 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 23.014 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 1.134 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.43 Mbit/s
95th percentile per-packet one-way delay: 22.985 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 23.183 ms
Loss rate: 0.25%

Run 10: Report of QUIC Cubic — Data Link

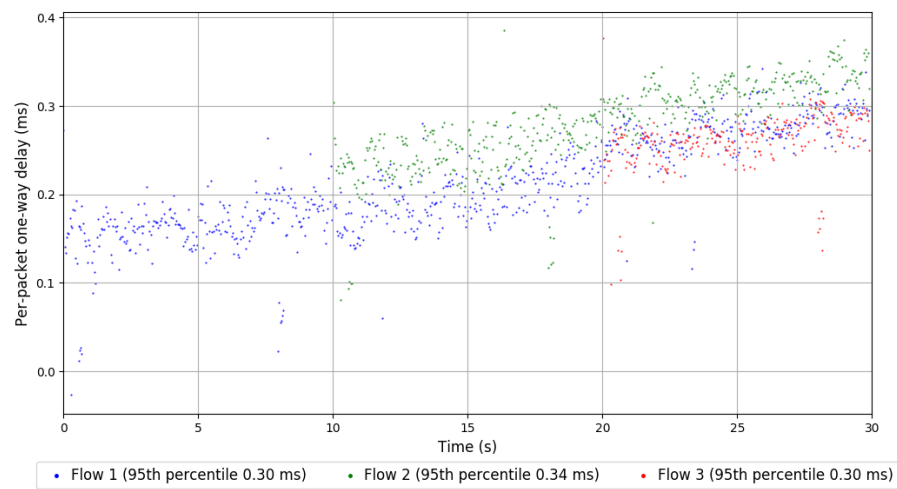
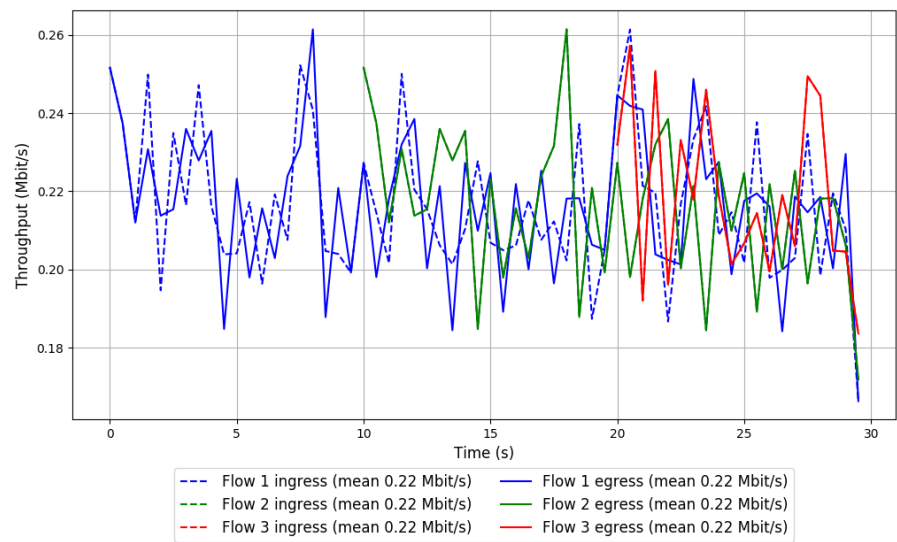


Run 1: Statistics of SReAM

Start at: 2018-04-10 18:21:05
End at: 2018-04-10 18:21:35
Local clock offset: -7.375 ms
Remote clock offset: -8.894 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.299 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.344 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.298 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

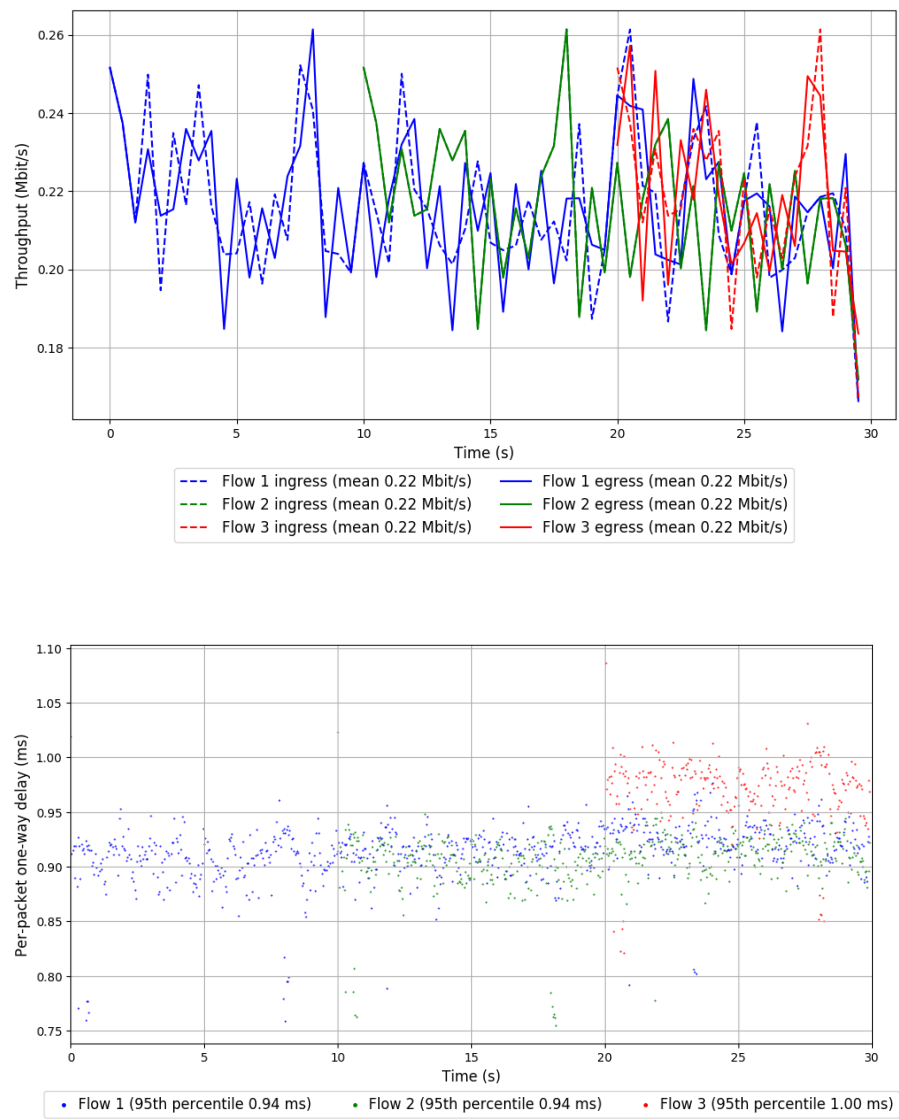


Run 2: Statistics of SReAM

Start at: 2018-04-10 18:41:27
End at: 2018-04-10 18:41:57
Local clock offset: -6.91 ms
Remote clock offset: -6.386 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.935 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.005 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

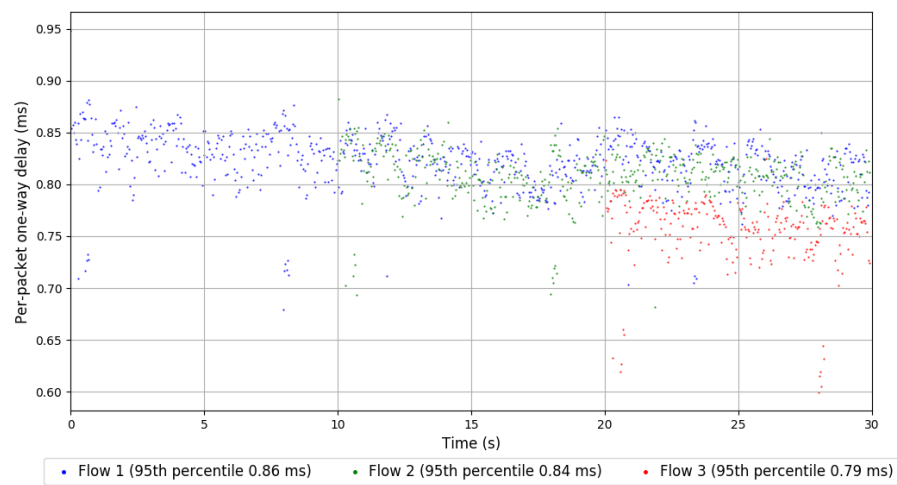
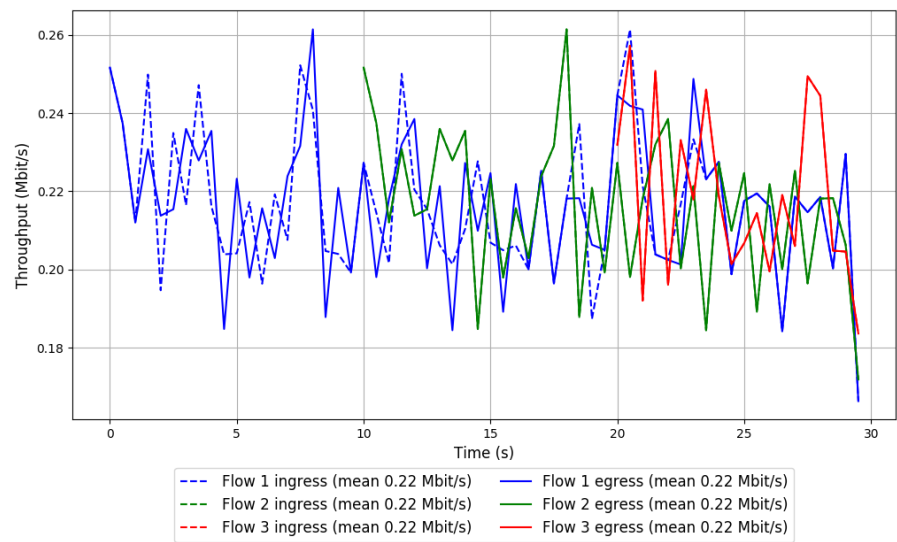


Run 3: Statistics of SReAM

Start at: 2018-04-10 19:01:47
End at: 2018-04-10 19:02:17
Local clock offset: -6.612 ms
Remote clock offset: -6.646 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.789 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

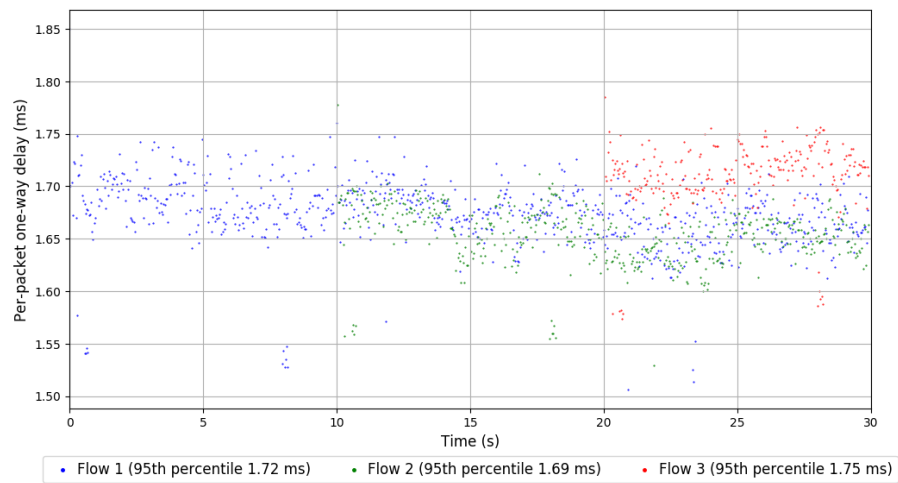
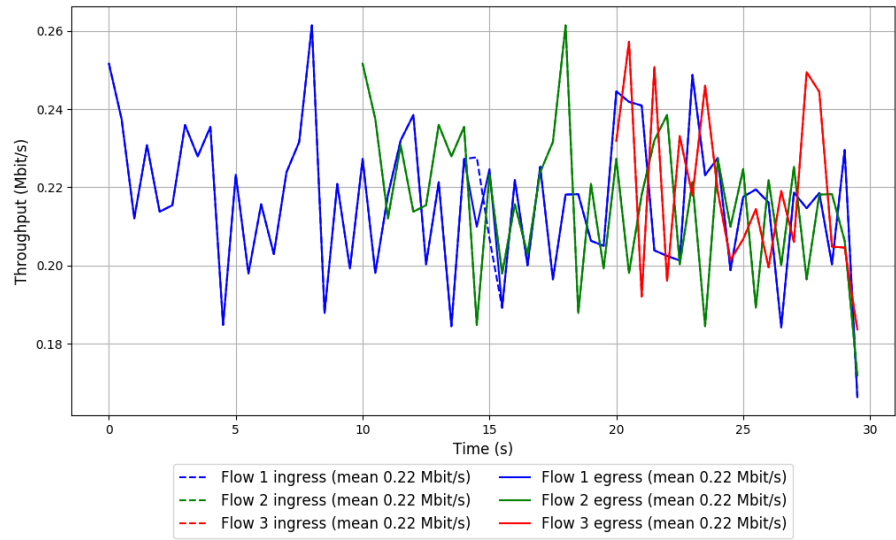


Run 4: Statistics of SReAM

Start at: 2018-04-10 19:22:07
End at: 2018-04-10 19:22:37
Local clock offset: -5.509 ms
Remote clock offset: -7.233 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.721 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.749 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

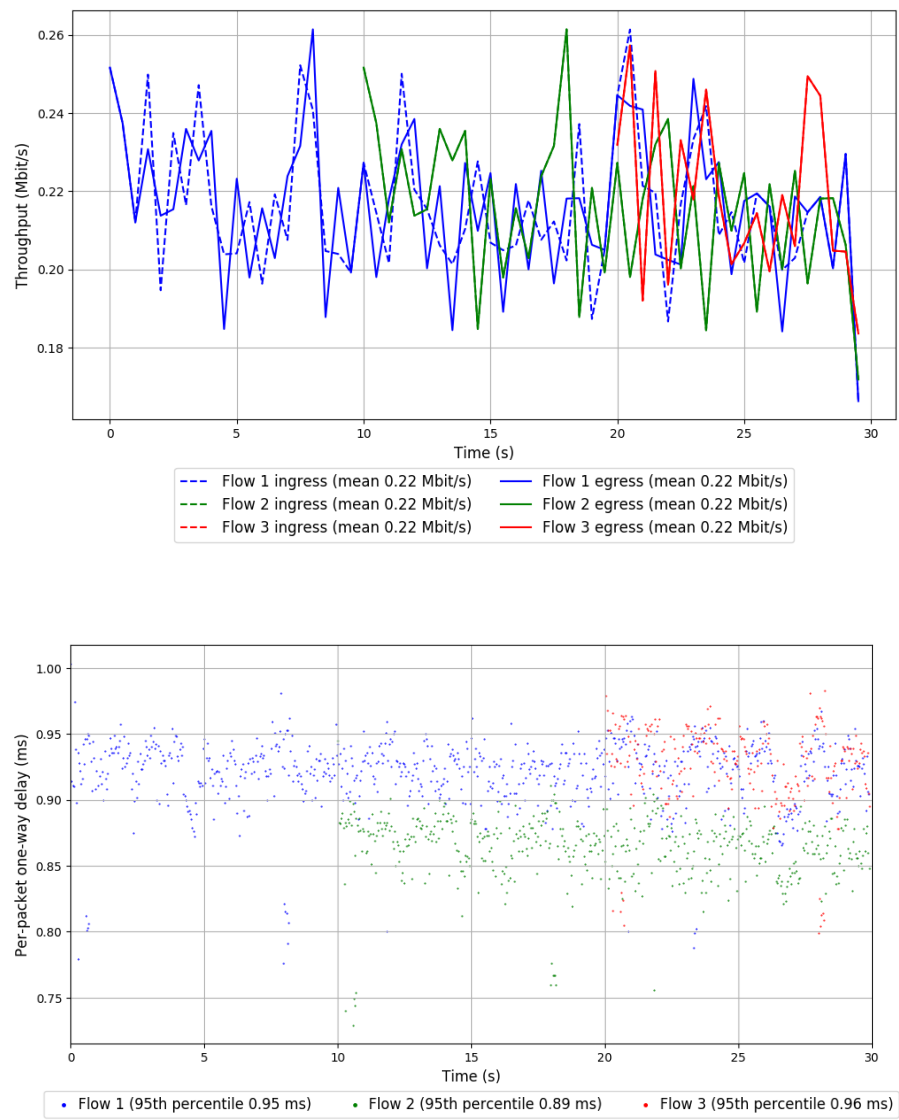


Run 5: Statistics of SReAM

Start at: 2018-04-10 19:42:28
End at: 2018-04-10 19:42:58
Local clock offset: -5.751 ms
Remote clock offset: -6.959 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

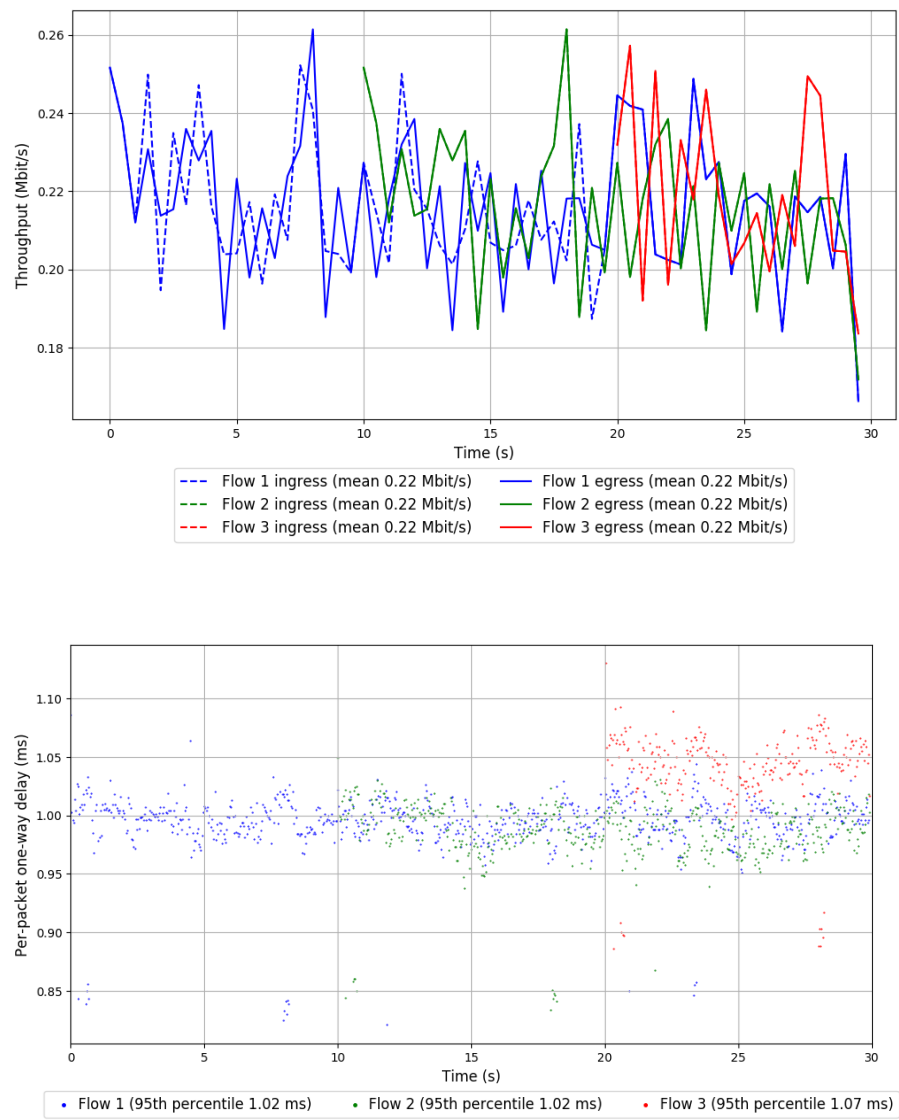


Run 6: Statistics of SReAM

Start at: 2018-04-10 20:02:48
End at: 2018-04-10 20:03:18
Local clock offset: -5.973 ms
Remote clock offset: -7.081 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.075 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

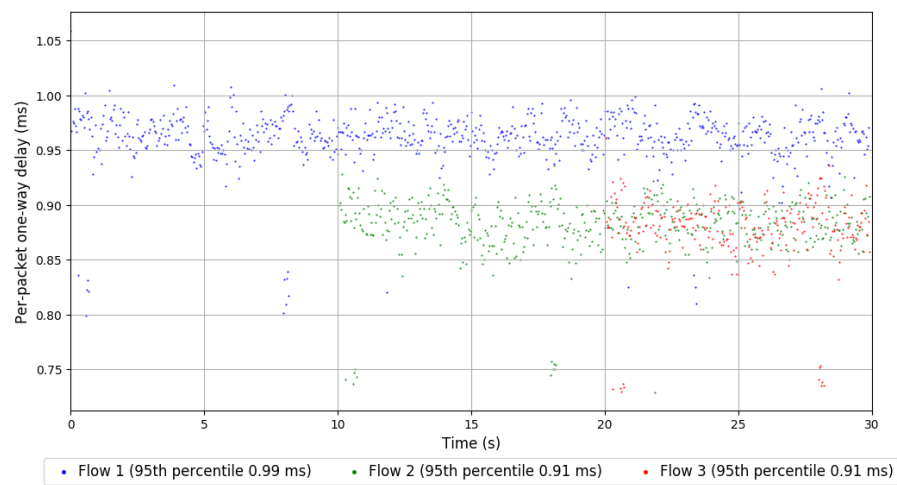
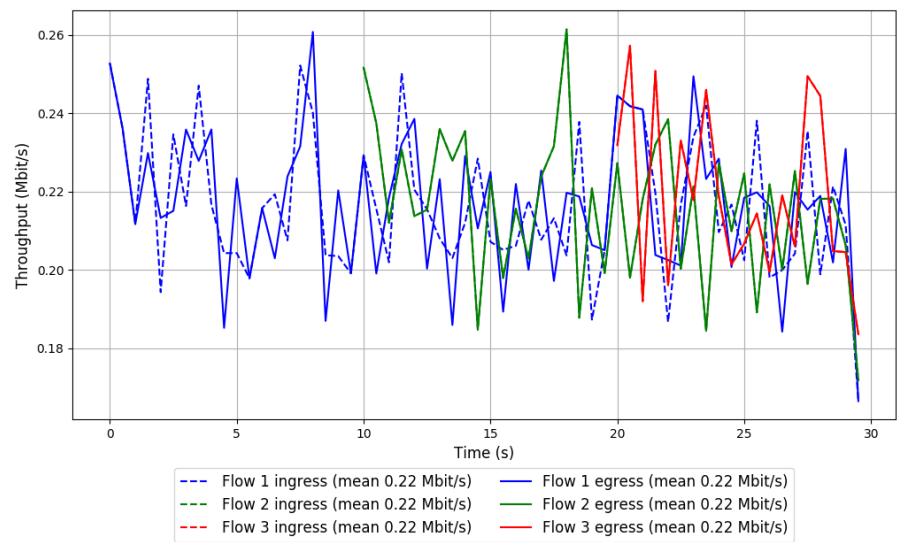


Run 7: Statistics of SReAM

Start at: 2018-04-10 20:23:05
End at: 2018-04-10 20:23:35
Local clock offset: -6.202 ms
Remote clock offset: -7.223 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 0.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.988 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.914 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

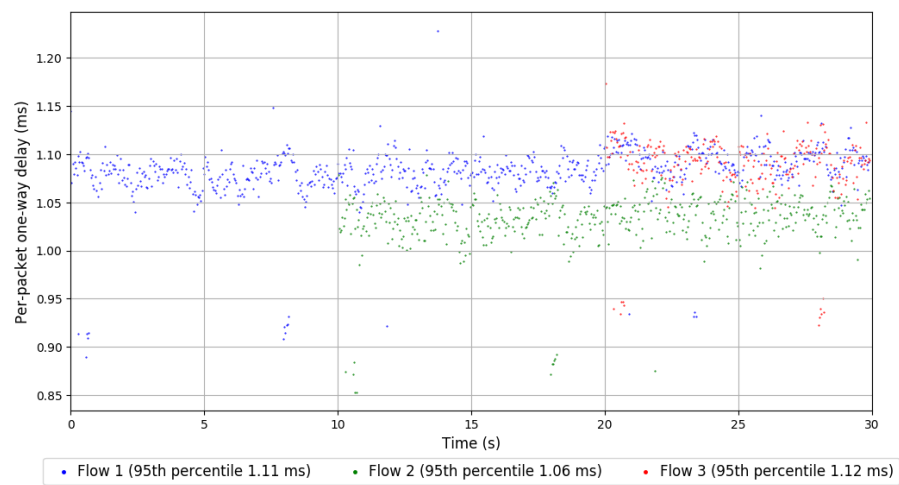
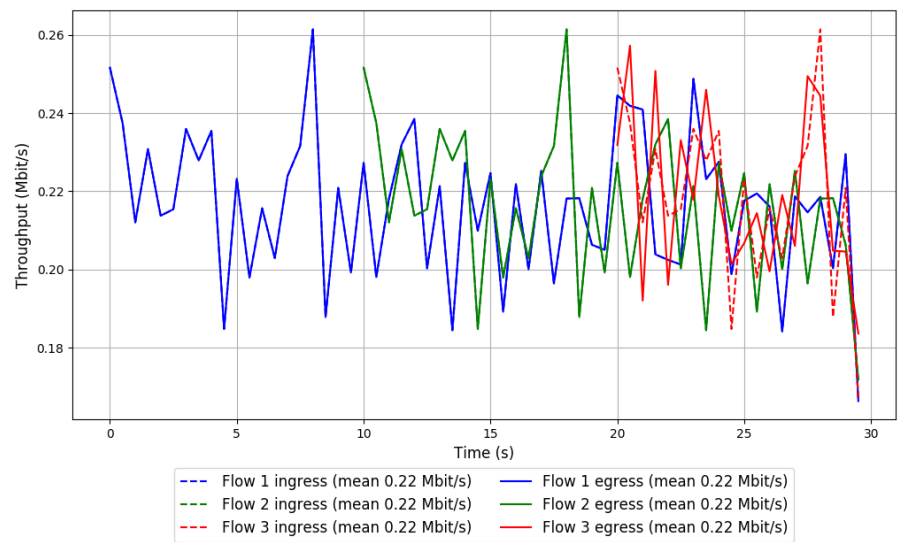


Run 8: Statistics of SReAM

Start at: 2018-04-10 20:43:27
End at: 2018-04-10 20:43:57
Local clock offset: -7.263 ms
Remote clock offset: -7.118 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.121 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

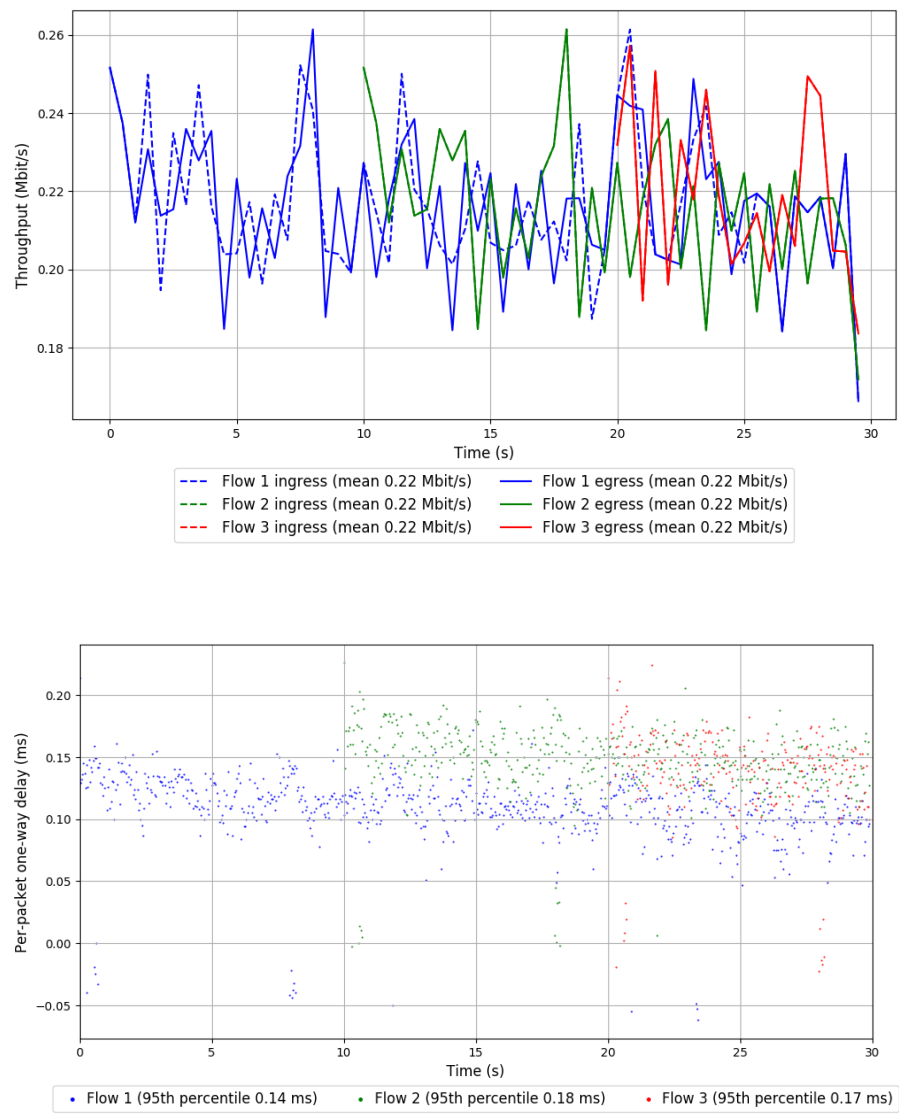


Run 9: Statistics of SReAM

Start at: 2018-04-10 21:03:47
End at: 2018-04-10 21:04:17
Local clock offset: -8.29 ms
Remote clock offset: -6.977 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.142 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.183 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.175 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

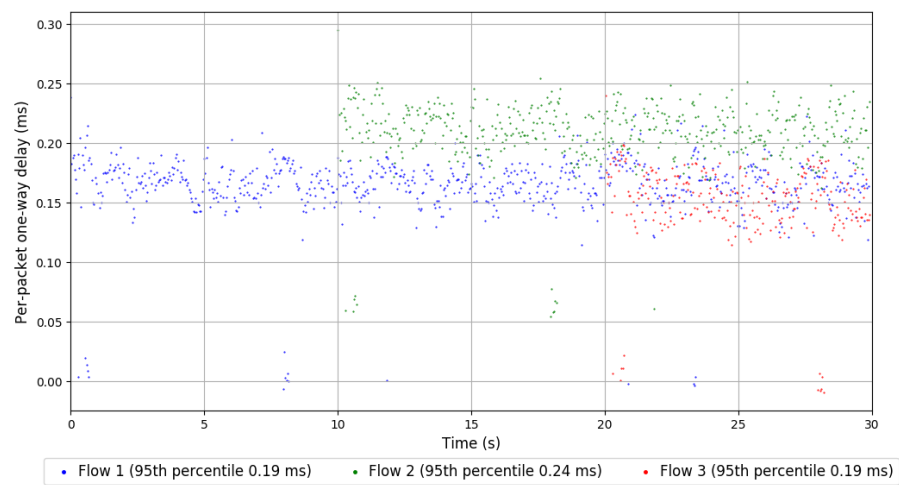
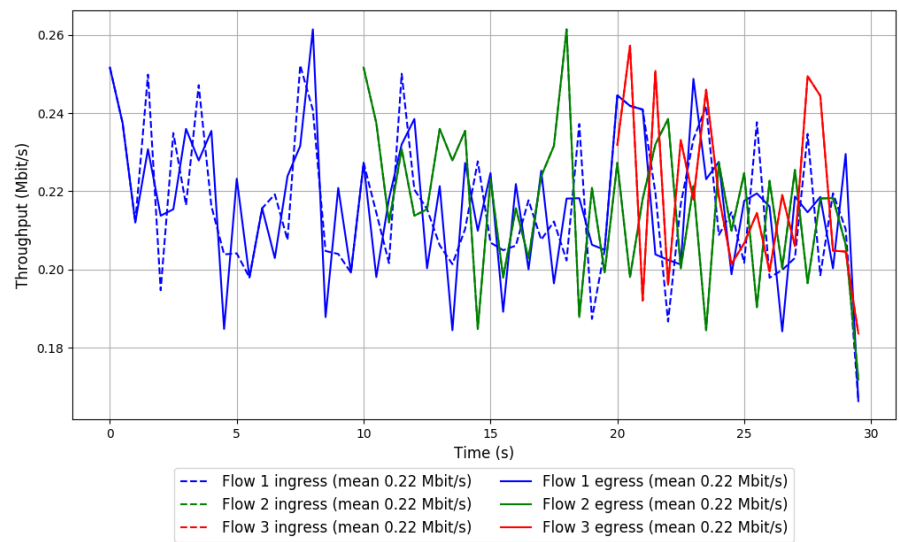


Run 10: Statistics of SReAM

Start at: 2018-04-10 21:24:06
End at: 2018-04-10 21:24:36
Local clock offset: -7.869 ms
Remote clock offset: -6.942 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.192 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.240 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.186 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

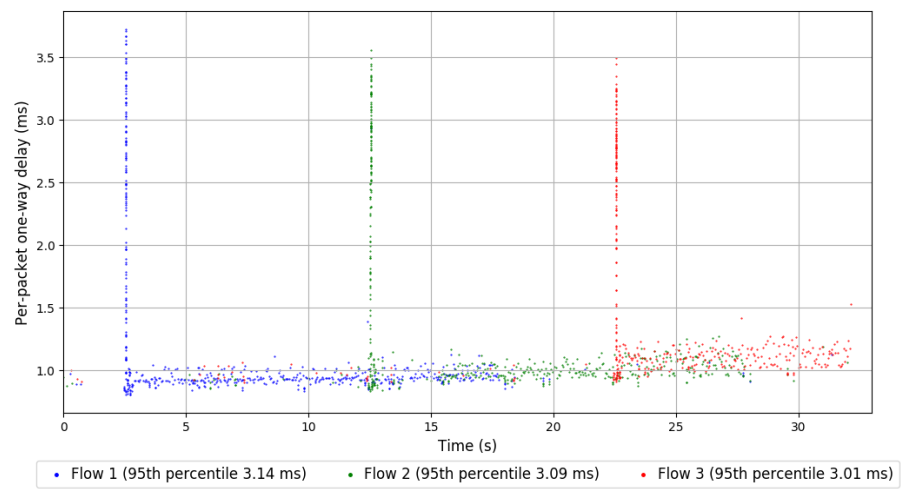
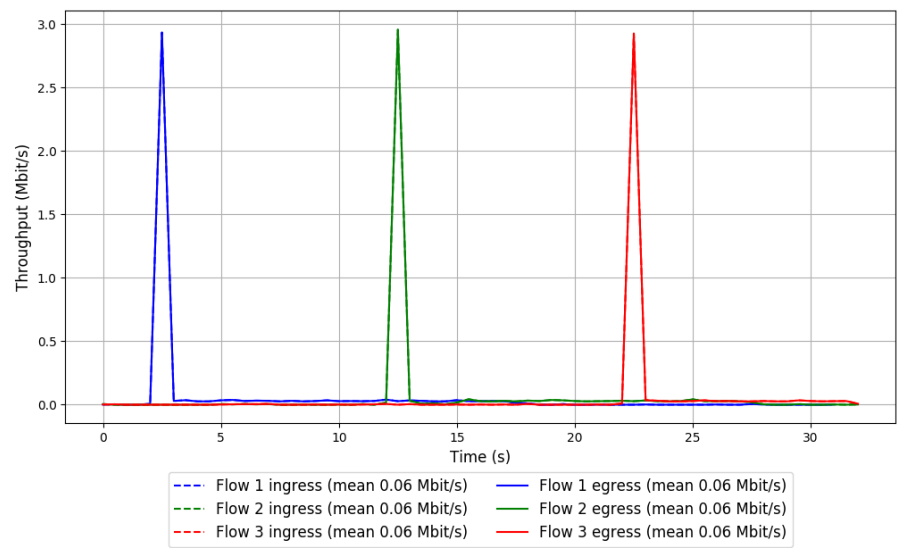


Run 1: Statistics of WebRTC media

Start at: 2018-04-10 18:27:51
End at: 2018-04-10 18:28:21
Local clock offset: -6.687 ms
Remote clock offset: -7.504 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.088 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.014 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

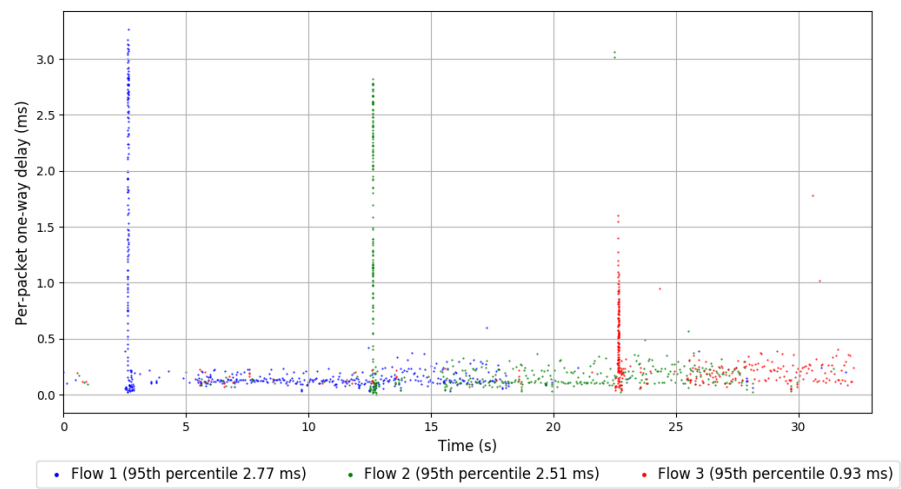
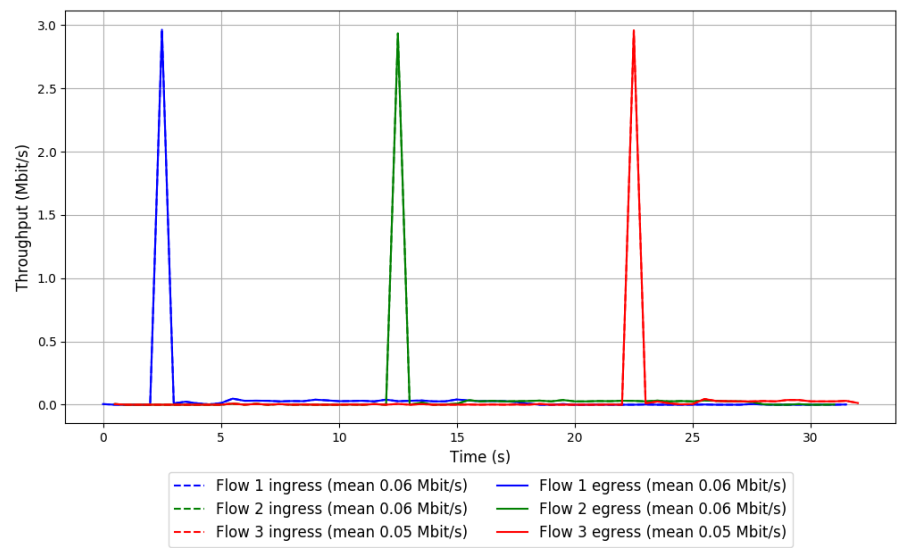


Run 2: Statistics of WebRTC media

Start at: 2018-04-10 18:48:13
End at: 2018-04-10 18:48:43
Local clock offset: -7.426 ms
Remote clock offset: -6.147 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 2.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.509 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 0.928 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

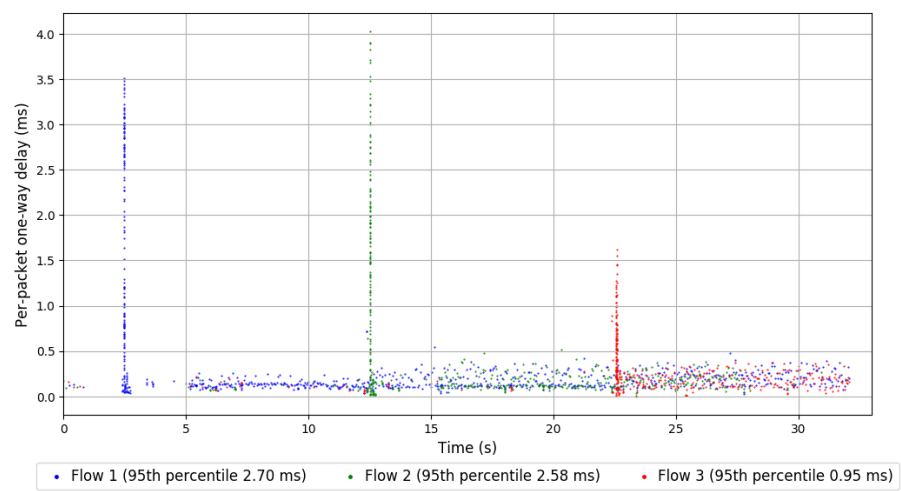
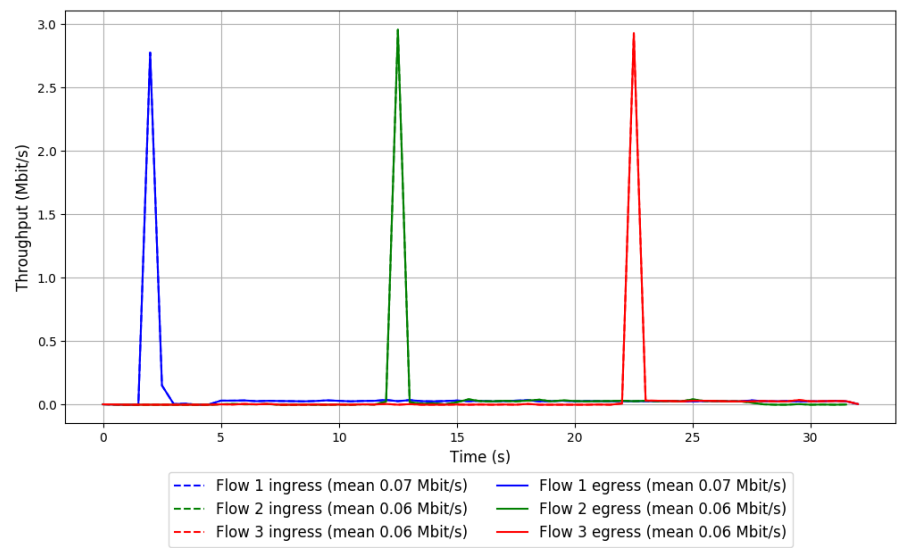


Run 3: Statistics of WebRTC media

Start at: 2018-04-10 19:08:32
End at: 2018-04-10 19:09:02
Local clock offset: -7.241 ms
Remote clock offset: -6.893 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 2.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 0.951 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

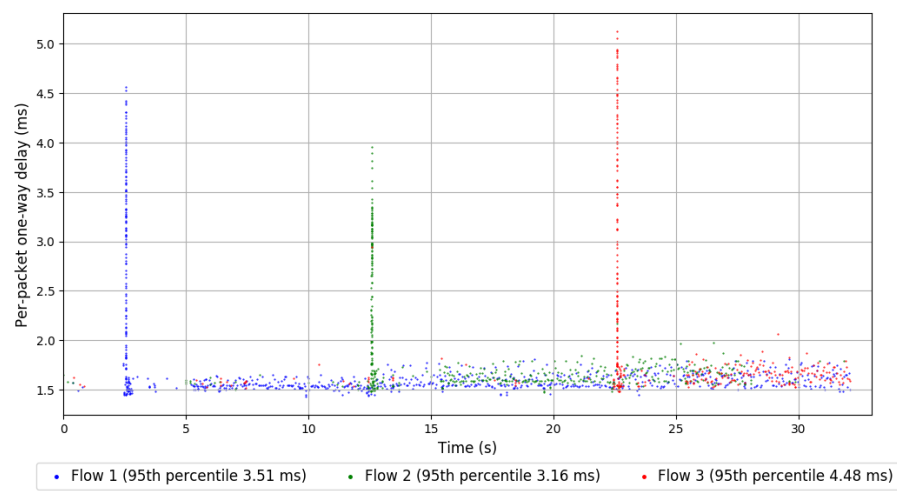
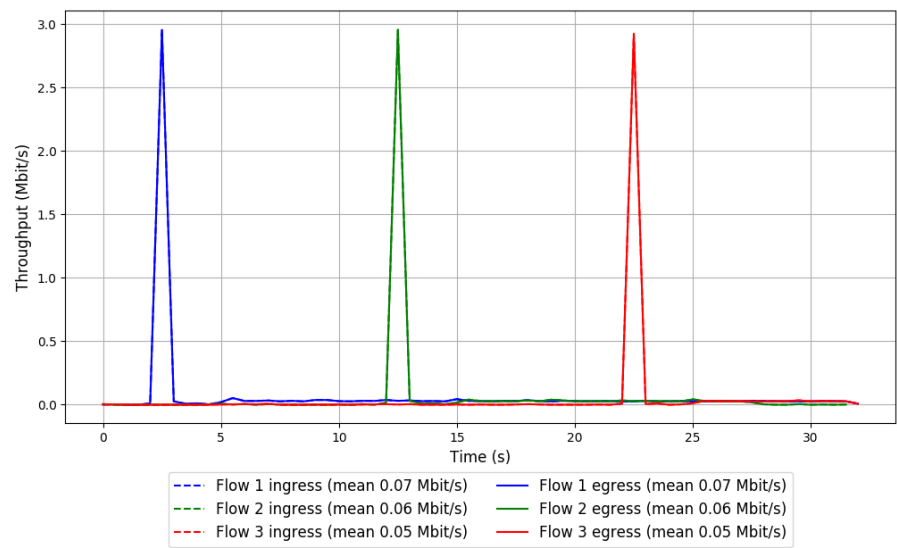


Run 4: Statistics of WebRTC media

Start at: 2018-04-10 19:28:53
End at: 2018-04-10 19:29:23
Local clock offset: -5.24 ms
Remote clock offset: -7.128 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.478 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

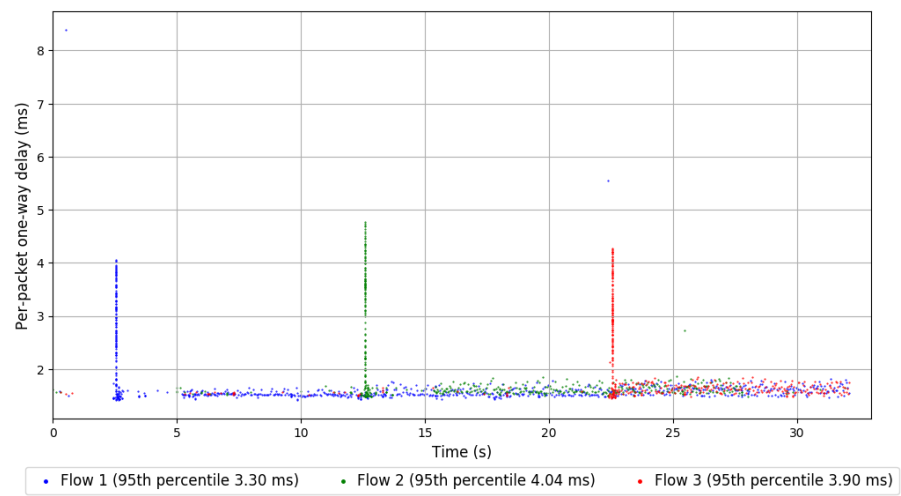
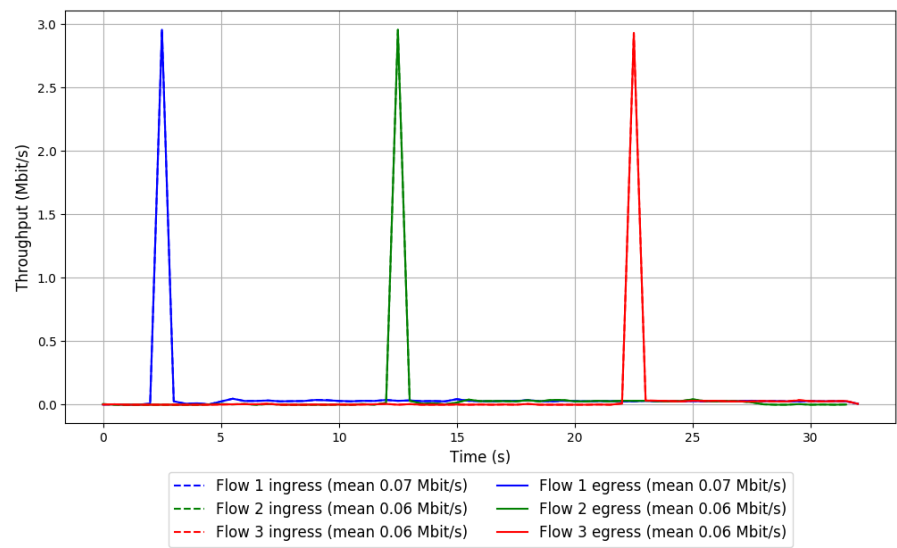


Run 5: Statistics of WebRTC media

Start at: 2018-04-10 19:49:13
End at: 2018-04-10 19:49:43
Local clock offset: -4.952 ms
Remote clock offset: -6.955 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 3.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

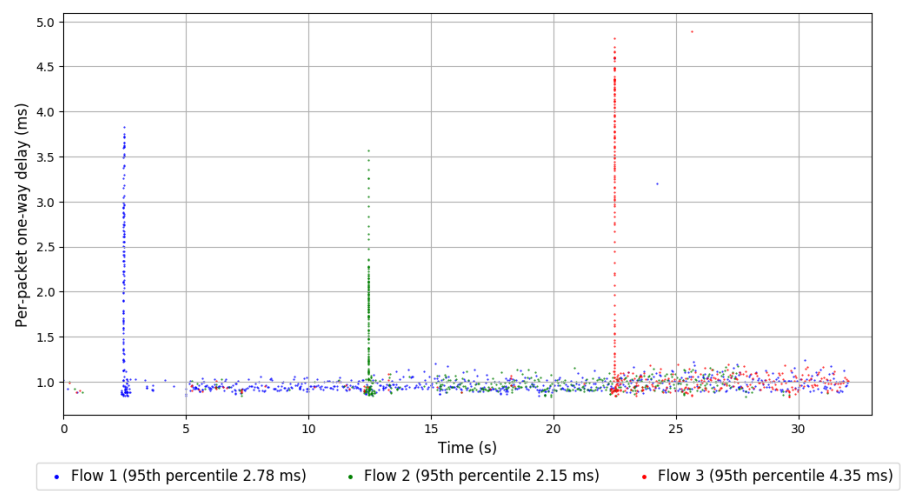
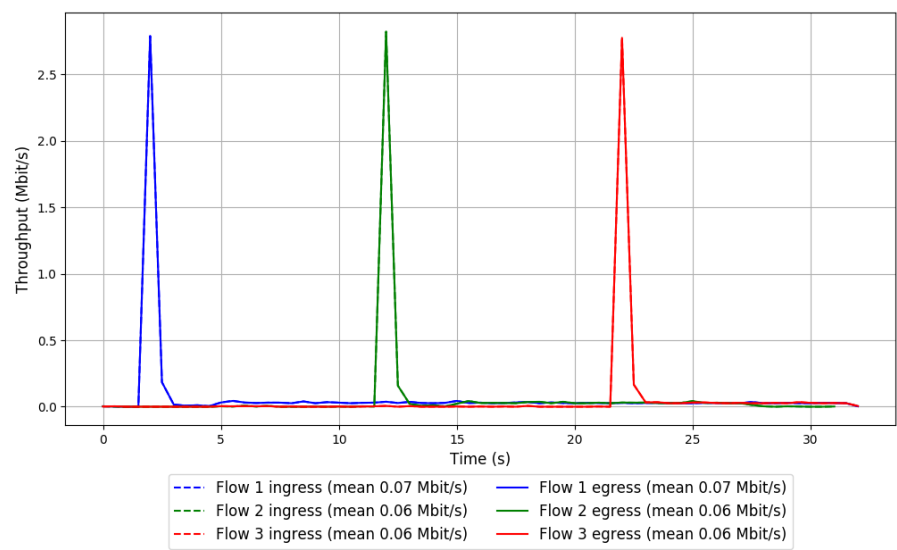


Run 6: Statistics of WebRTC media

Start at: 2018-04-10 20:09:33
End at: 2018-04-10 20:10:03
Local clock offset: -6.101 ms
Remote clock offset: -7.171 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 3.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

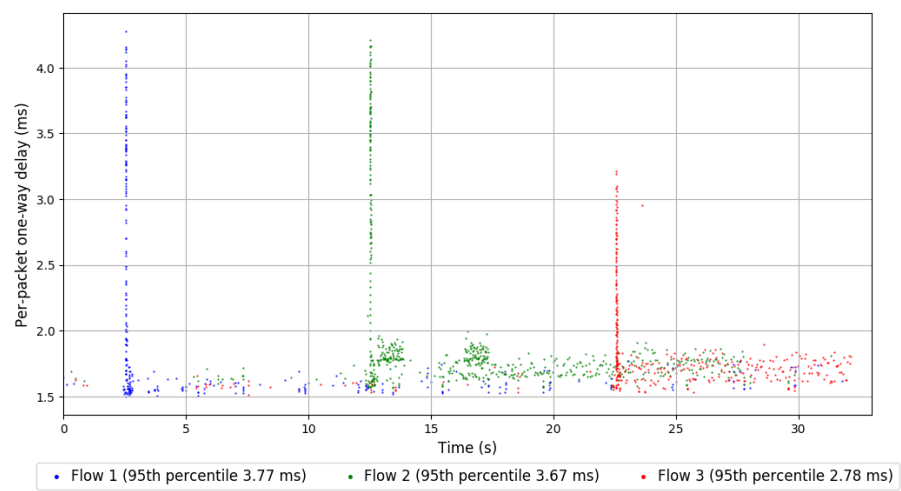
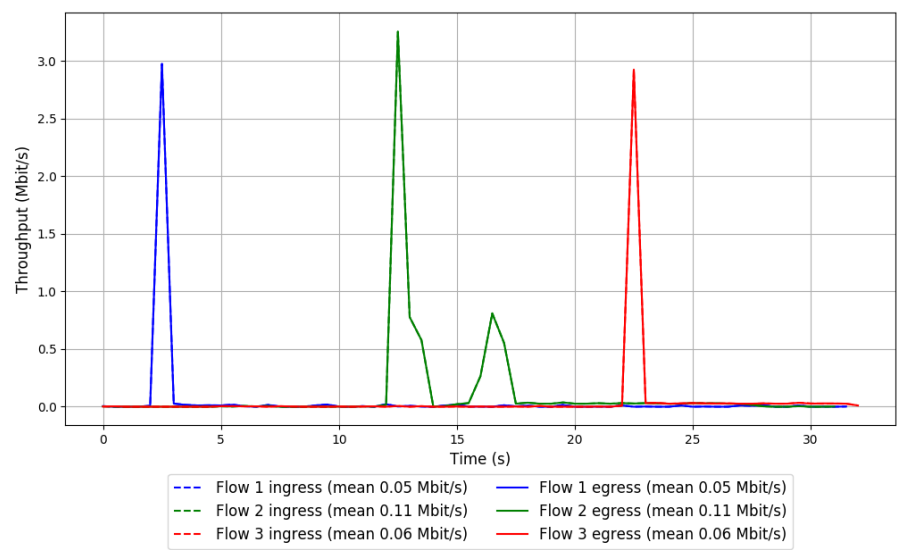


Run 7: Statistics of WebRTC media

Start at: 2018-04-10 20:29:51
End at: 2018-04-10 20:30:21
Local clock offset: -5.859 ms
Remote clock offset: -7.297 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 3.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 3.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.777 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-10 20:50:09

End at: 2018-04-10 20:50:39

Local clock offset: -6.759 ms

Remote clock offset: -6.95 ms

Below is generated by plot.py at 2018-04-11 01:04:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 3.936 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 4.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3.888 ms

Loss rate: 0.00%

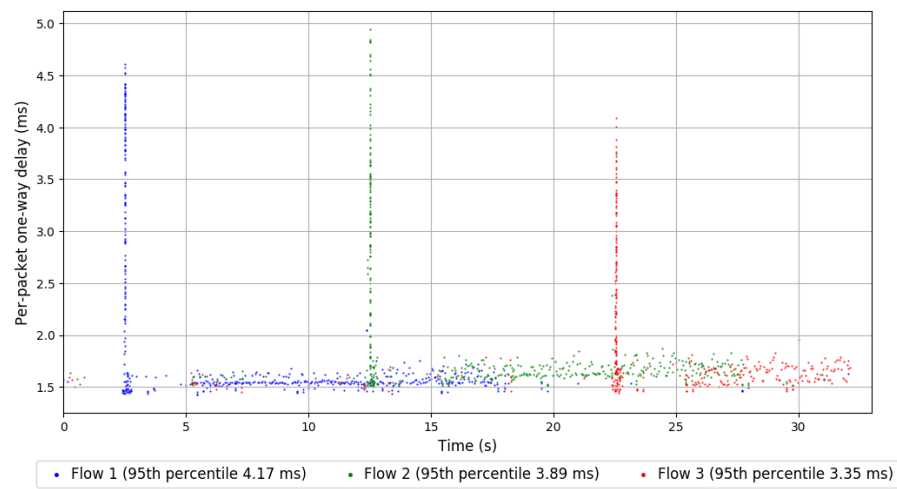
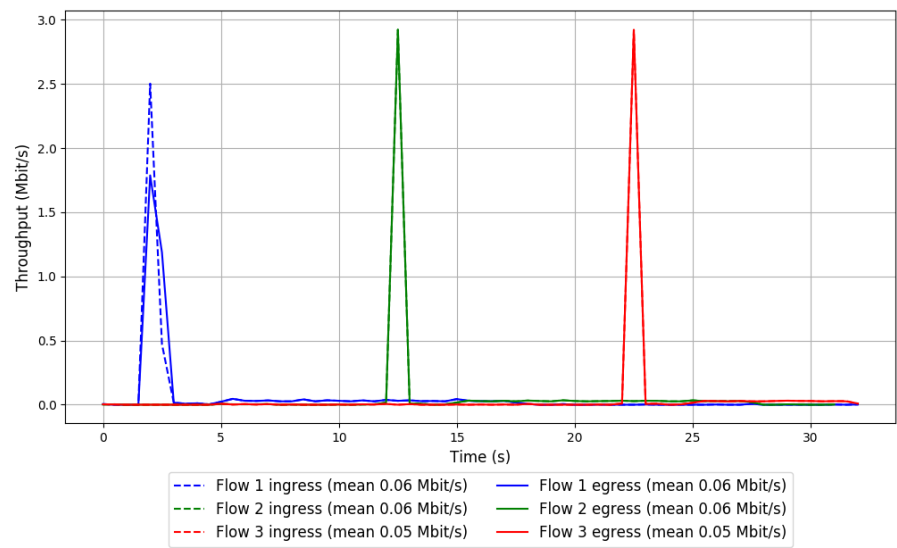
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.354 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

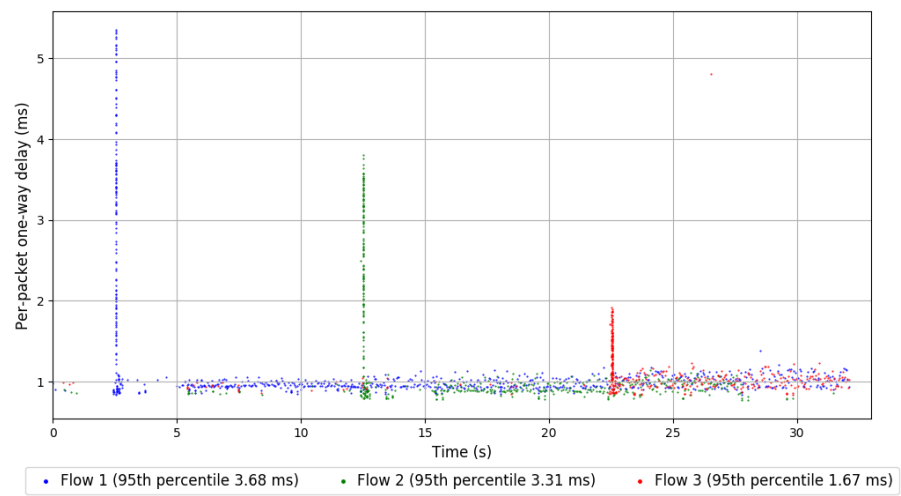
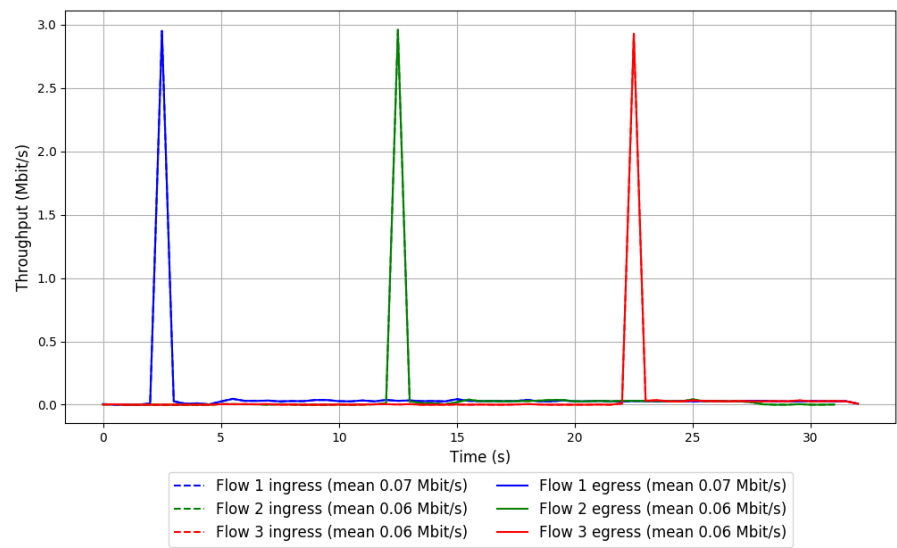


Run 9: Statistics of WebRTC media

Start at: 2018-04-10 21:10:32
End at: 2018-04-10 21:11:02
Local clock offset: -7.201 ms
Remote clock offset: -6.995 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 3.314 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.313 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 1.674 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link

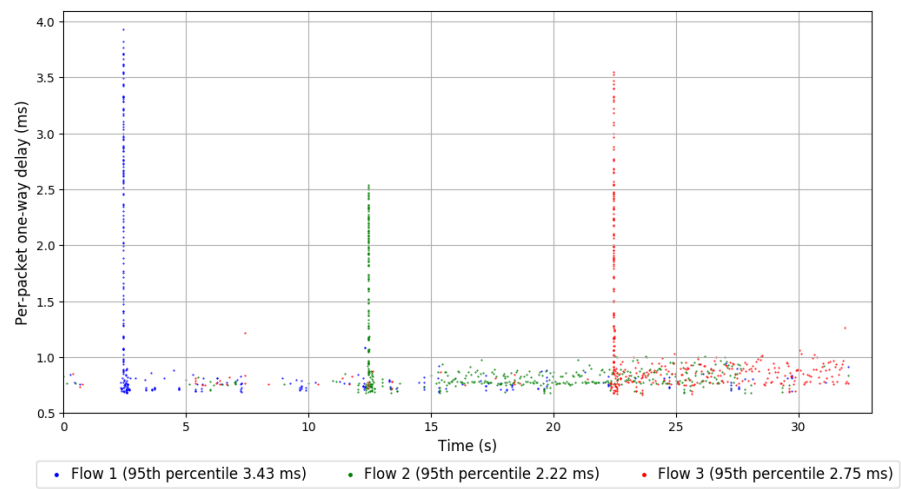
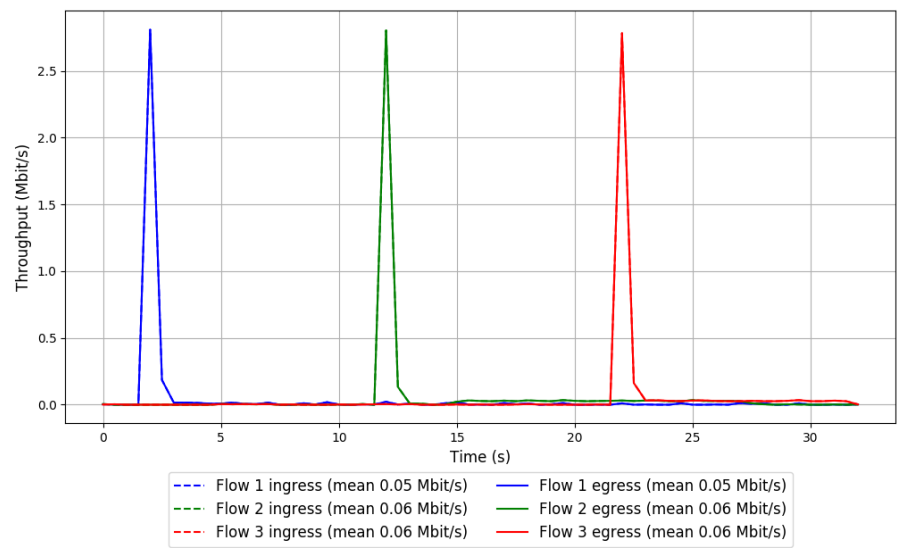


Run 10: Statistics of WebRTC media

Start at: 2018-04-10 21:30:51
End at: 2018-04-10 21:31:21
Local clock offset: -7.235 ms
Remote clock offset: -6.906 ms

Below is generated by plot.py at 2018-04-11 01:04:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 2.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 2.755 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

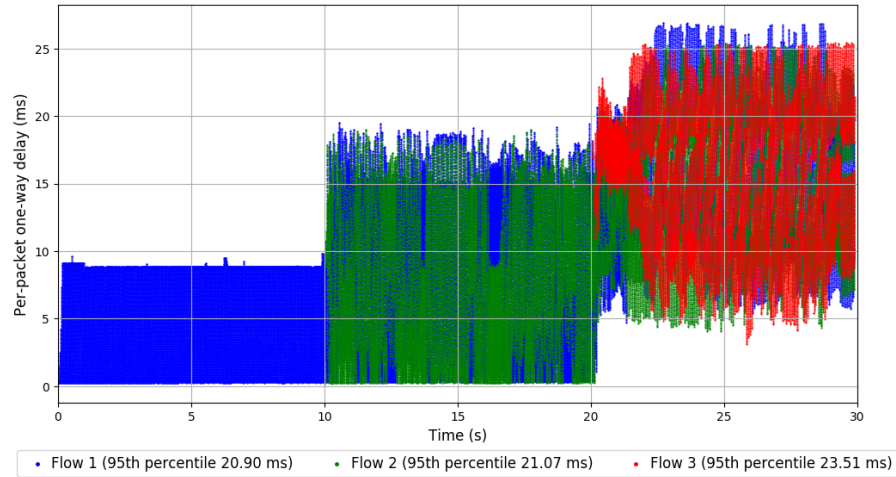
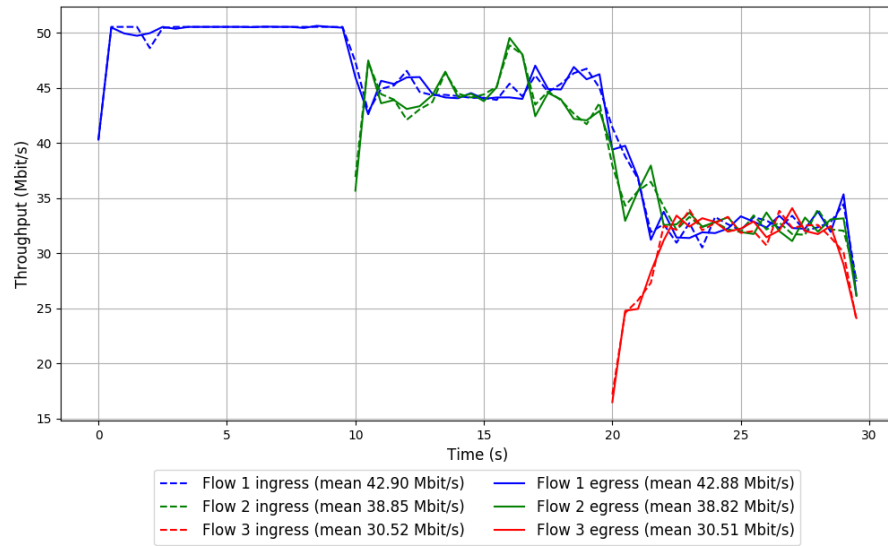


Run 1: Statistics of Sprout

Start at: 2018-04-10 18:22:09
End at: 2018-04-10 18:22:39
Local clock offset: -7.404 ms
Remote clock offset: -8.627 ms

Below is generated by plot.py at 2018-04-11 01:05:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 21.731 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.88 Mbit/s
95th percentile per-packet one-way delay: 20.901 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 21.066 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 23.509 ms
Loss rate: 0.20%

Run 1: Report of Sprout — Data Link

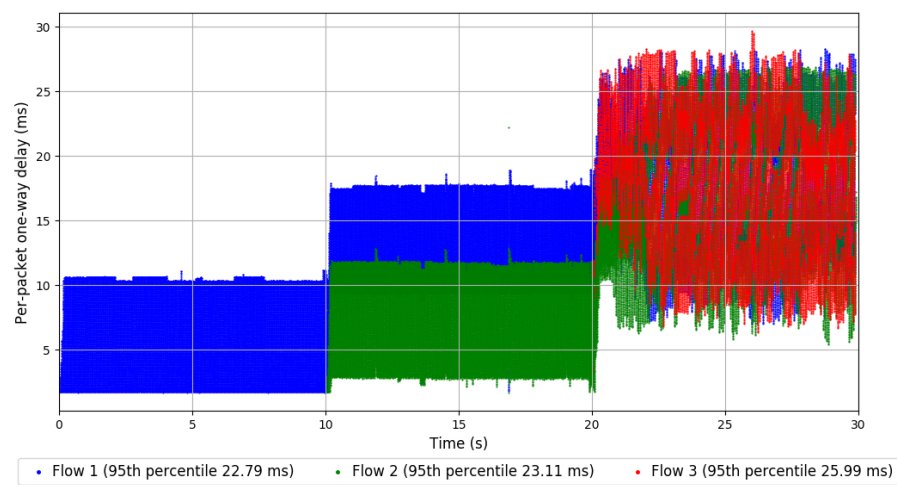
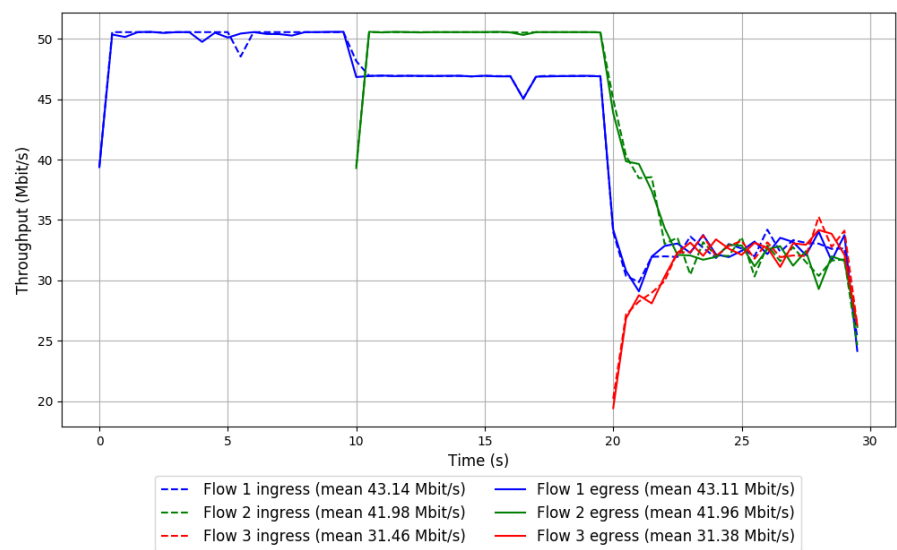


Run 2: Statistics of Sprout

Start at: 2018-04-10 18:42:31
End at: 2018-04-10 18:43:01
Local clock offset: -6.108 ms
Remote clock offset: -6.33 ms

Below is generated by plot.py at 2018-04-11 01:05:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.32 Mbit/s
95th percentile per-packet one-way delay: 23.817 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 22.789 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 23.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 25.993 ms
Loss rate: 0.32%

Run 2: Report of Sprout — Data Link

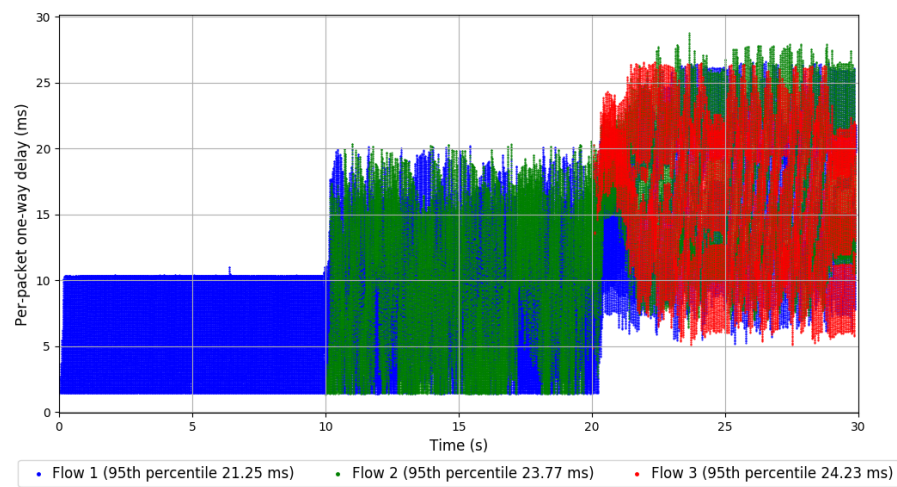
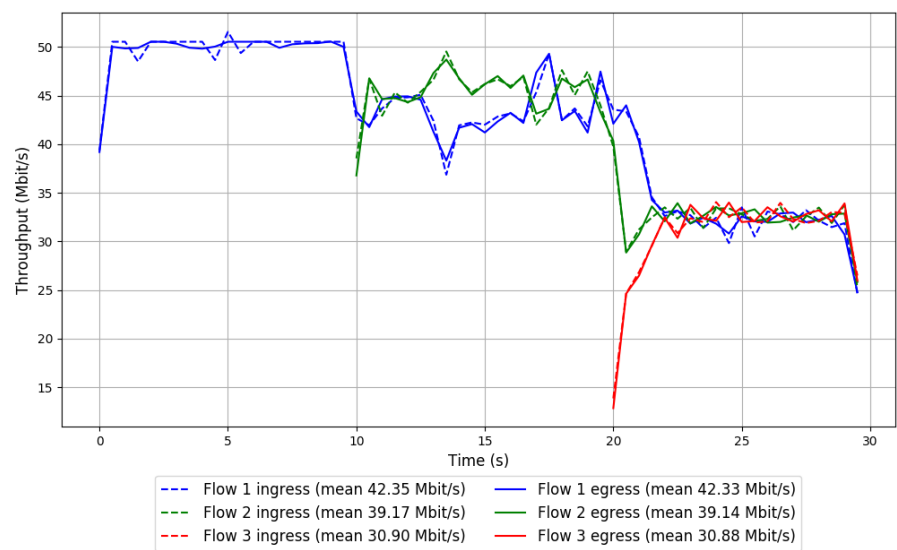


Run 3: Statistics of Sprout

Start at: 2018-04-10 19:02:51
End at: 2018-04-10 19:03:21
Local clock offset: -7.352 ms
Remote clock offset: -8.013 ms

```
# Below is generated by plot.py at 2018-04-11 01:05:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 22.993 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.33 Mbit/s
95th percentile per-packet one-way delay: 21.247 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.14 Mbit/s
95th percentile per-packet one-way delay: 23.768 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 24.233 ms
Loss rate: 0.09%
```


Run 3: Report of Sprout — Data Link

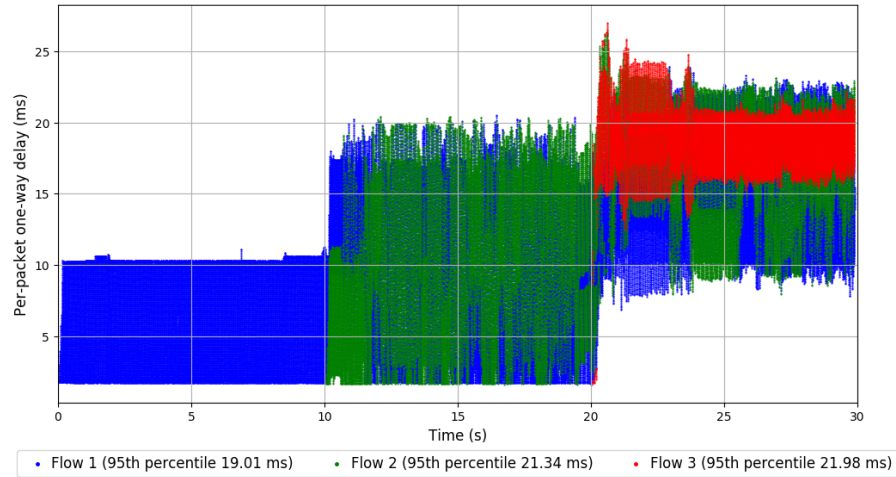
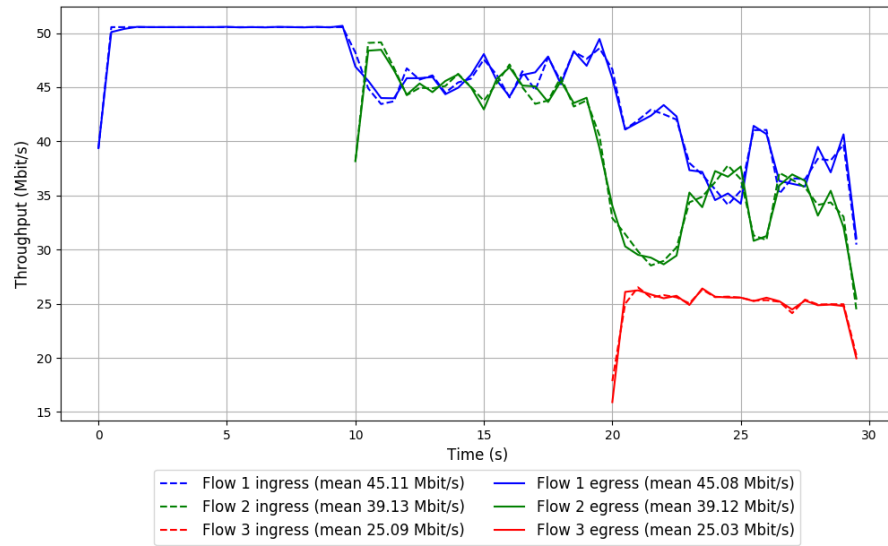


Run 4: Statistics of Sprout

Start at: 2018-04-10 19:23:10
End at: 2018-04-10 19:23:41
Local clock offset: -5.485 ms
Remote clock offset: -7.23 ms

```
# Below is generated by plot.py at 2018-04-11 01:05:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 45.08 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 21.344 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 21.985 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link

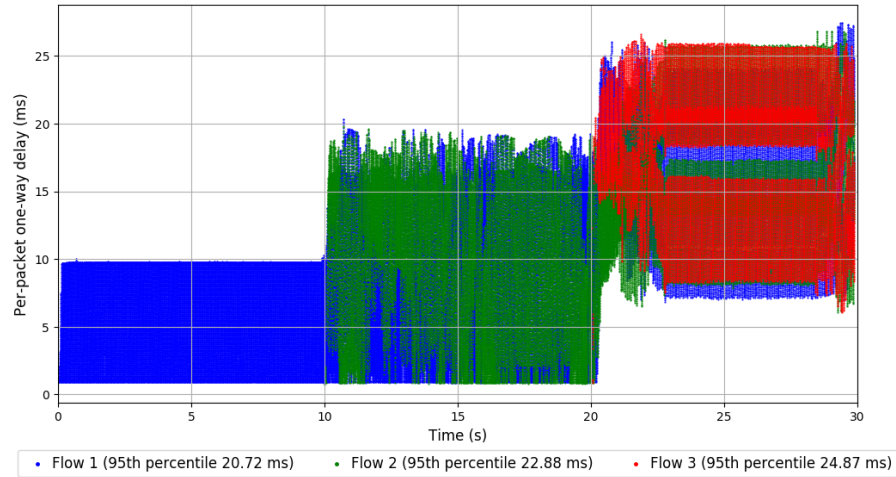
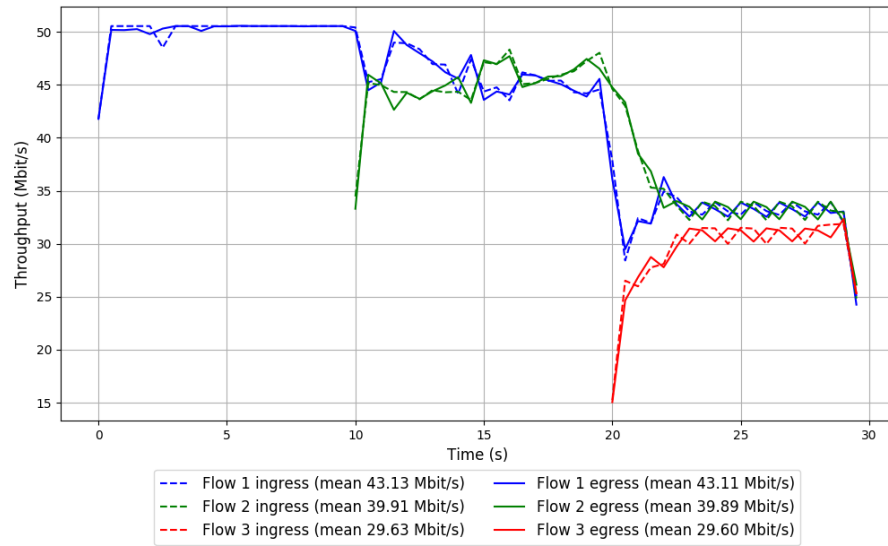


Run 5: Statistics of Sprout

Start at: 2018-04-10 19:43:32
End at: 2018-04-10 19:44:02
Local clock offset: -5.791 ms
Remote clock offset: -6.958 ms

Below is generated by plot.py at 2018-04-11 01:05:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 22.776 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 20.718 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.89 Mbit/s
95th percentile per-packet one-way delay: 22.884 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 24.873 ms
Loss rate: 0.25%

Run 5: Report of Sprout — Data Link

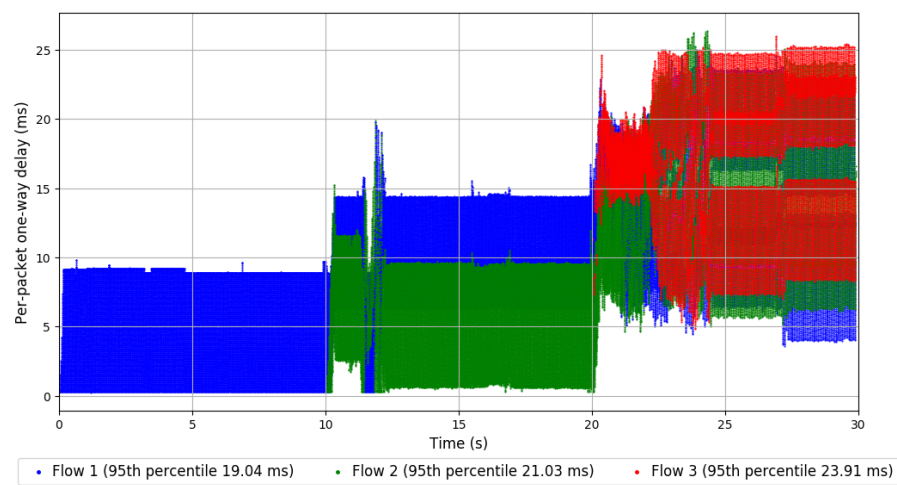
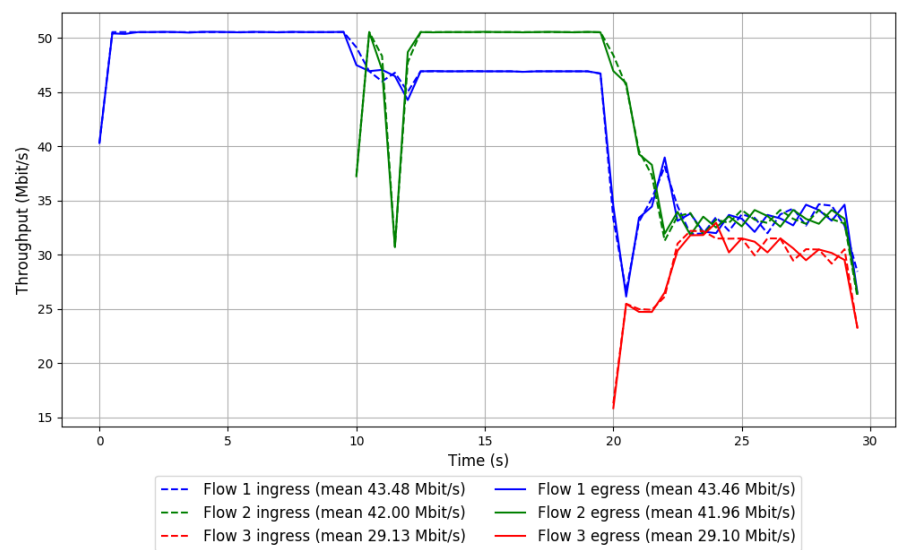


Run 6: Statistics of Sprout

Start at: 2018-04-10 20:03:51
End at: 2018-04-10 20:04:21
Local clock offset: -6.788 ms
Remote clock offset: -7.11 ms

Below is generated by plot.py at 2018-04-11 01:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.92 Mbit/s
95th percentile per-packet one-way delay: 21.390 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 43.46 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 21.029 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 23.915 ms
Loss rate: 0.28%

Run 6: Report of Sprout — Data Link

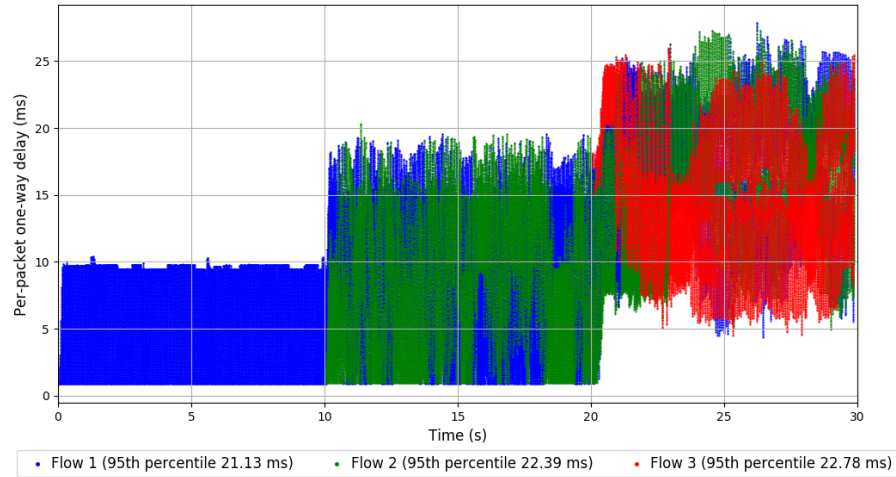
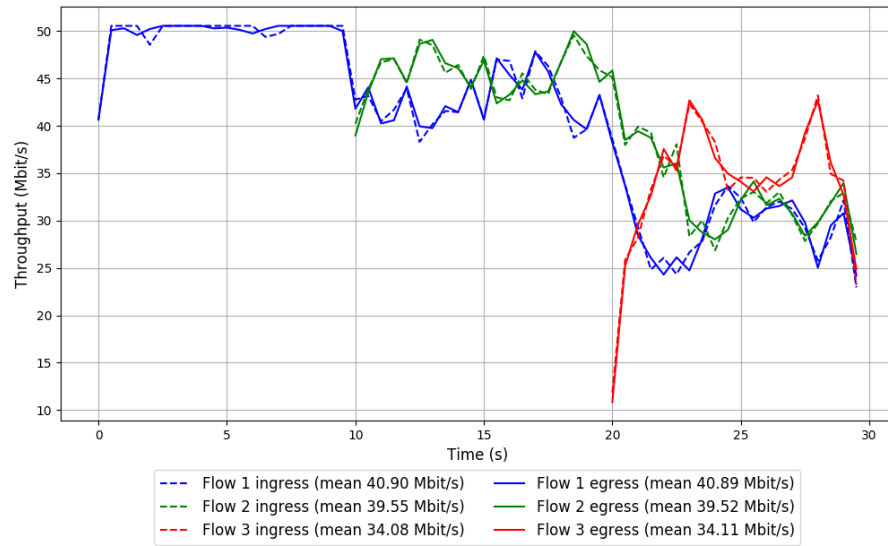


Run 7: Statistics of Sprout

Start at: 2018-04-10 20:24:09
End at: 2018-04-10 20:24:39
Local clock offset: -6.24 ms
Remote clock offset: -7.226 ms

Below is generated by plot.py at 2018-04-11 01:05:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 21.974 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 21.131 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.52 Mbit/s
95th percentile per-packet one-way delay: 22.392 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 22.782 ms
Loss rate: 0.05%

Run 7: Report of Sprout — Data Link

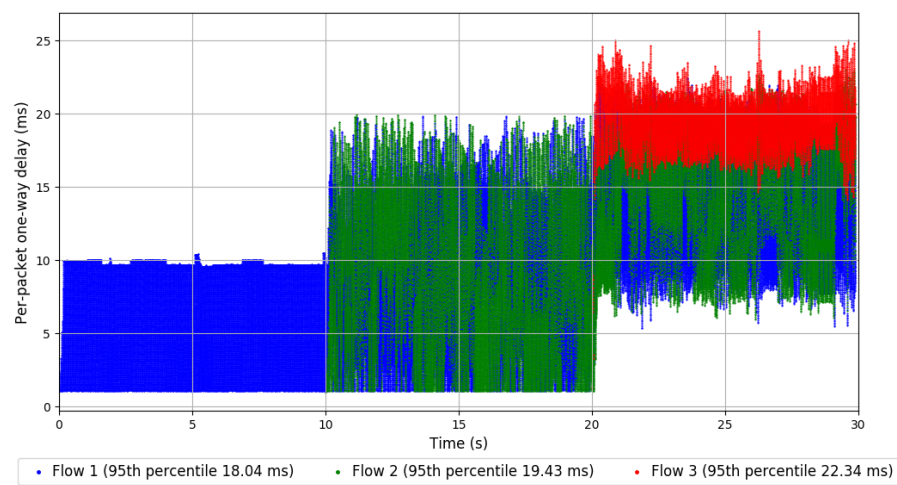
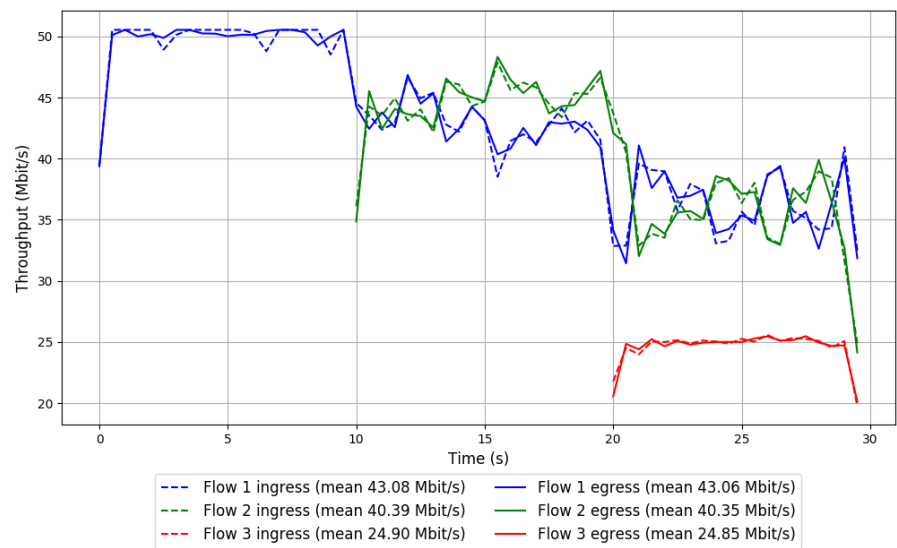


Run 8: Statistics of Sprout

Start at: 2018-04-10 20:44:31
End at: 2018-04-10 20:45:01
Local clock offset: -7.336 ms
Remote clock offset: -7.111 ms

Below is generated by plot.py at 2018-04-11 01:06:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 20.210 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 18.037 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 19.425 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 22.340 ms
Loss rate: 0.18%

Run 8: Report of Sprout — Data Link

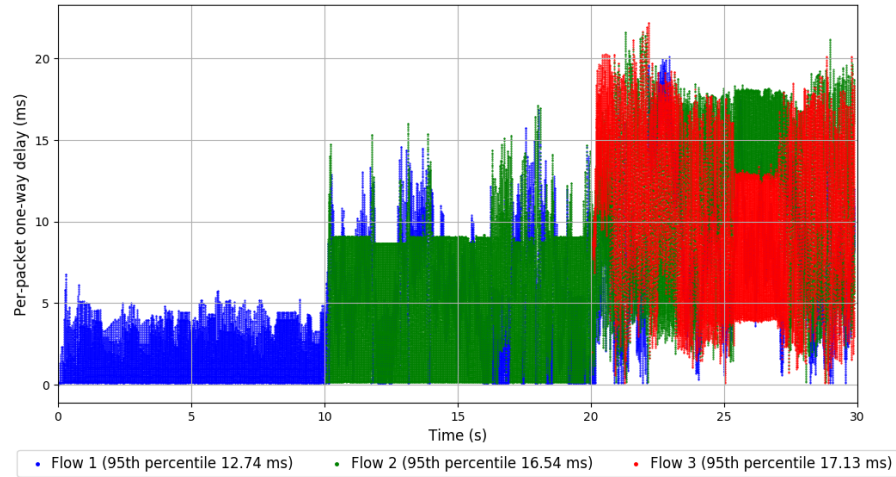
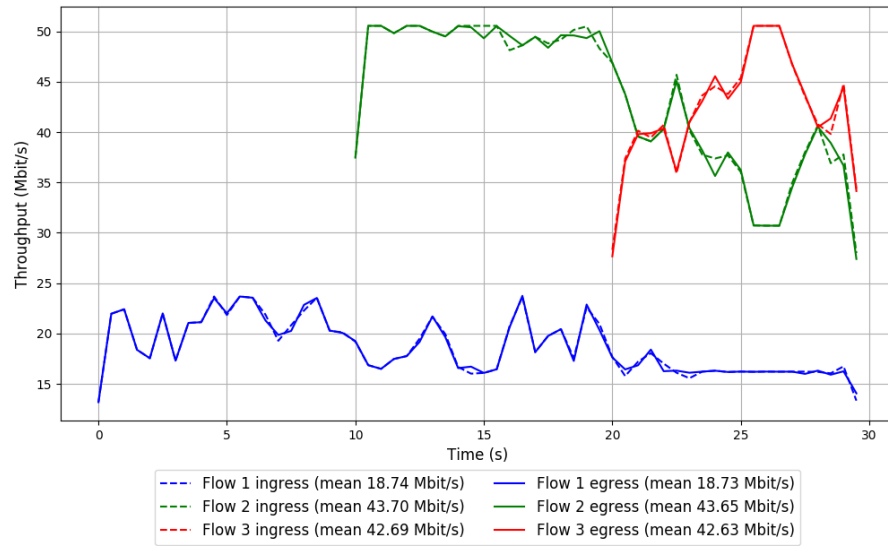


Run 9: Statistics of Sprout

Start at: 2018-04-10 21:04:51
End at: 2018-04-10 21:05:21
Local clock offset: -8.237 ms
Remote clock offset: -6.96 ms

Below is generated by plot.py at 2018-04-11 01:06:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 16.381 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 12.739 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 16.541 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 42.63 Mbit/s
95th percentile per-packet one-way delay: 17.130 ms
Loss rate: 0.07%

Run 9: Report of Sprout — Data Link

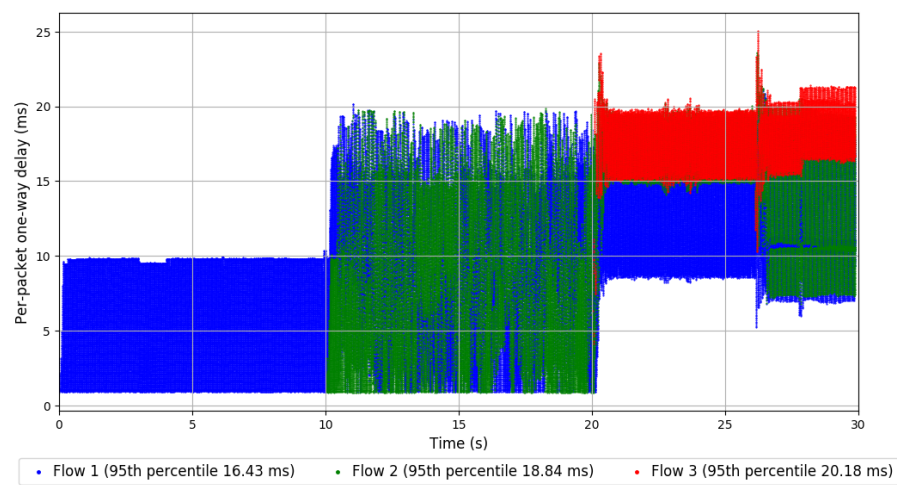
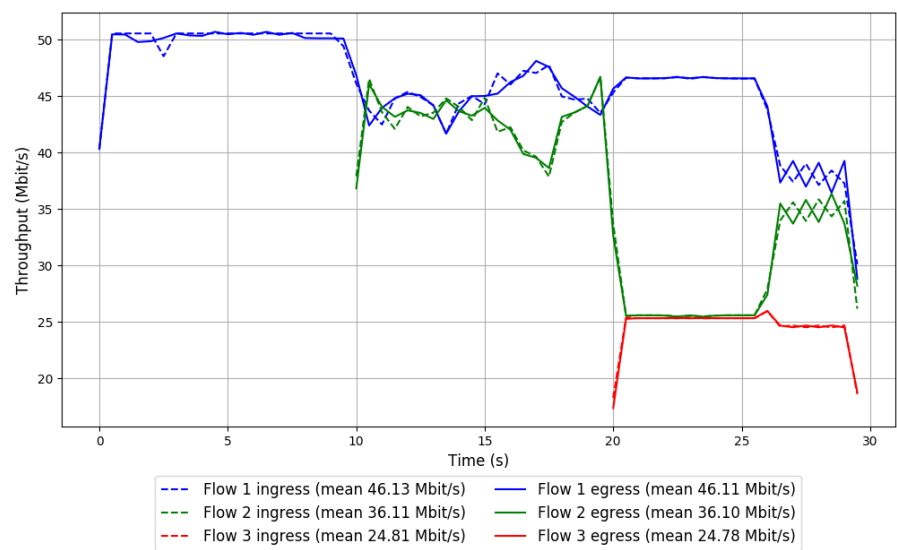


Run 10: Statistics of Sprout

Start at: 2018-04-10 21:25:10
End at: 2018-04-10 21:25:40
Local clock offset: -7.148 ms
Remote clock offset: -6.934 ms

Below is generated by plot.py at 2018-04-11 01:06:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.28 Mbit/s
95th percentile per-packet one-way delay: 18.761 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 16.434 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 18.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.18%

Run 10: Report of Sprout — Data Link

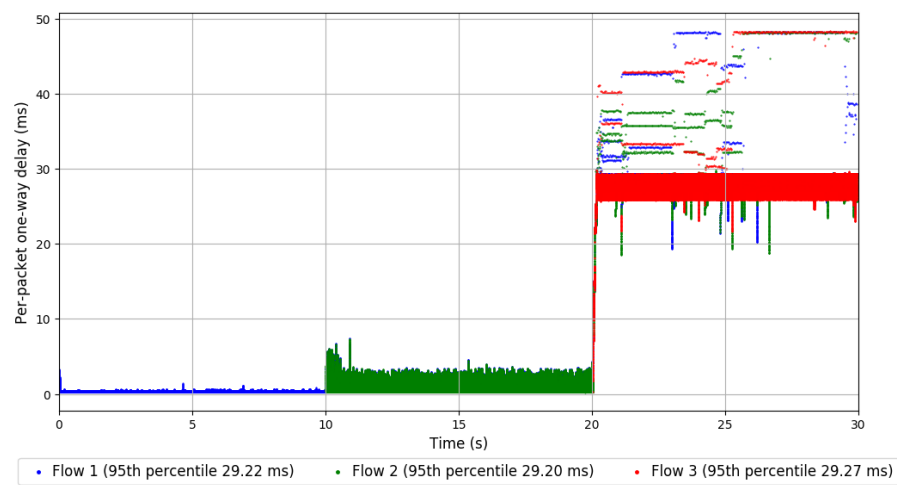
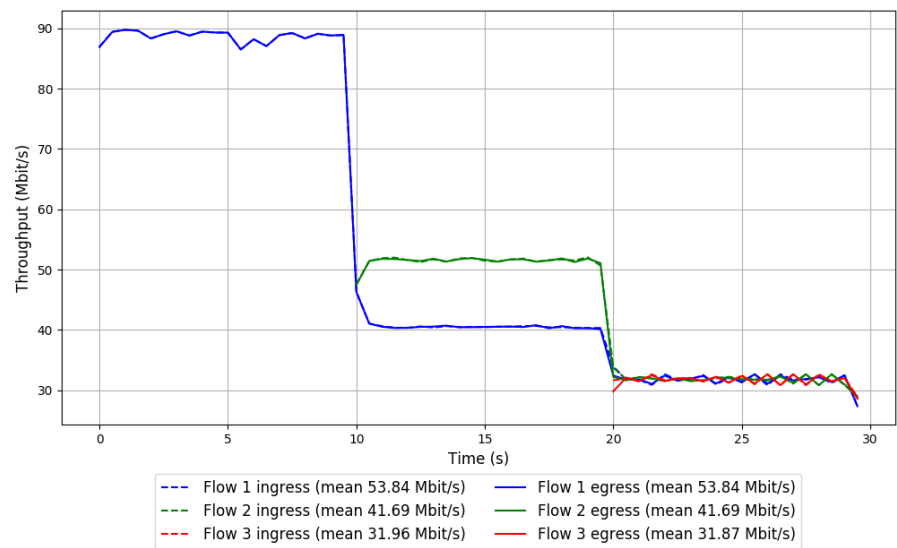


Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 18:24:24
End at: 2018-04-10 18:24:54
Local clock offset: -7.388 ms
Remote clock offset: -8.135 ms

Below is generated by plot.py at 2018-04-11 01:08:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.12 Mbit/s
95th percentile per-packet one-way delay: 29.226 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.84 Mbit/s
95th percentile per-packet one-way delay: 29.216 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.69 Mbit/s
95th percentile per-packet one-way delay: 29.199 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 29.273 ms
Loss rate: 0.34%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 18:44:47

End at: 2018-04-10 18:45:17

Local clock offset: -6.802 ms

Remote clock offset: -6.22 ms

Below is generated by plot.py at 2018-04-11 01:08:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.65 Mbit/s

95th percentile per-packet one-way delay: 29.695 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 54.74 Mbit/s

95th percentile per-packet one-way delay: 29.421 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 29.681 ms

Loss rate: 0.11%

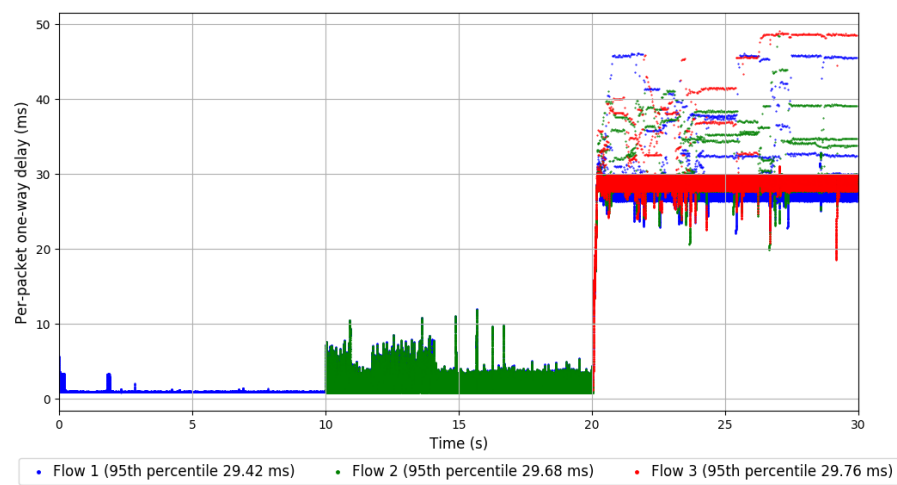
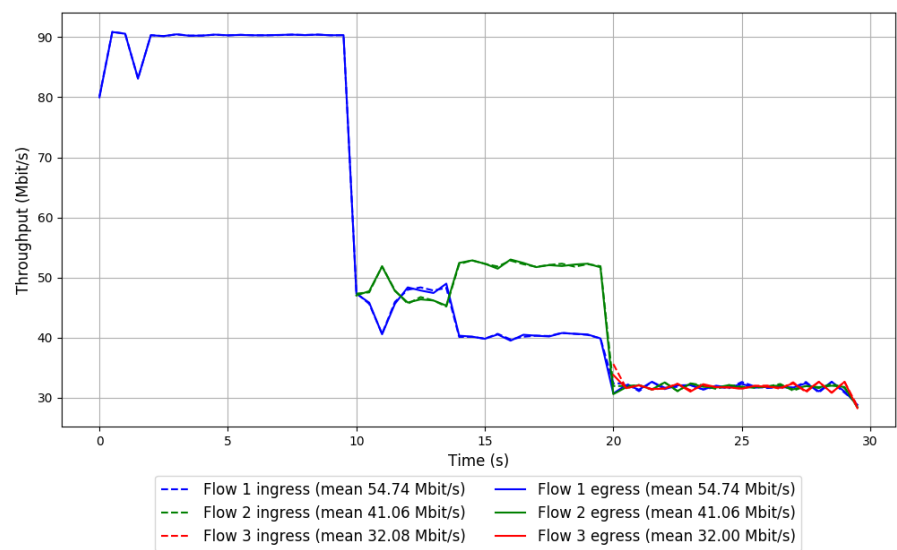
-- Flow 3:

Average throughput: 32.00 Mbit/s

95th percentile per-packet one-way delay: 29.763 ms

Loss rate: 0.33%

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

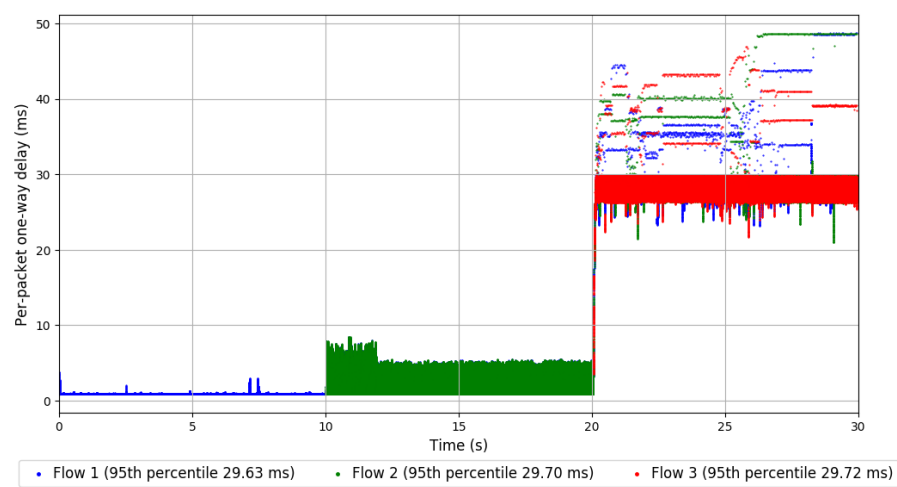
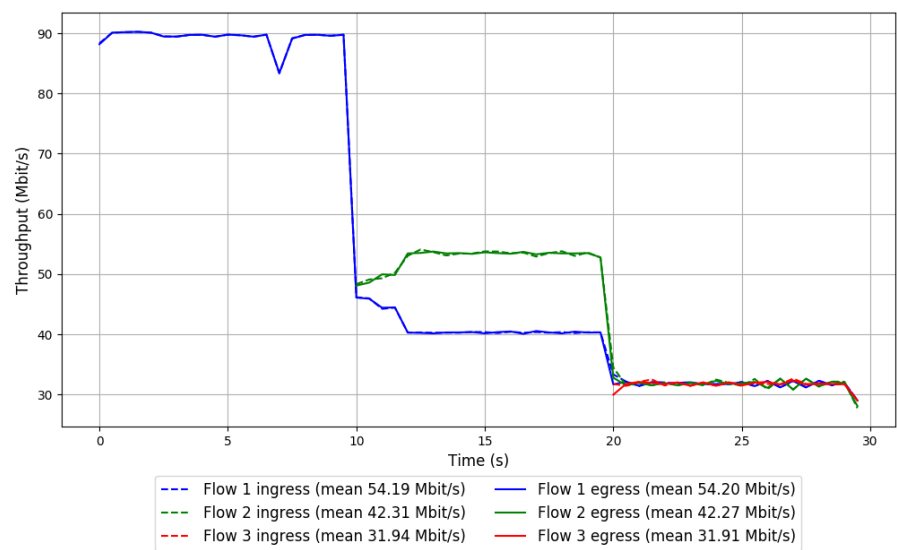


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 19:05:07
End at: 2018-04-10 19:05:37
Local clock offset: -6.475 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-04-11 01:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 29.670 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 29.629 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.27 Mbit/s
95th percentile per-packet one-way delay: 29.695 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 29.723 ms
Loss rate: 0.29%

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

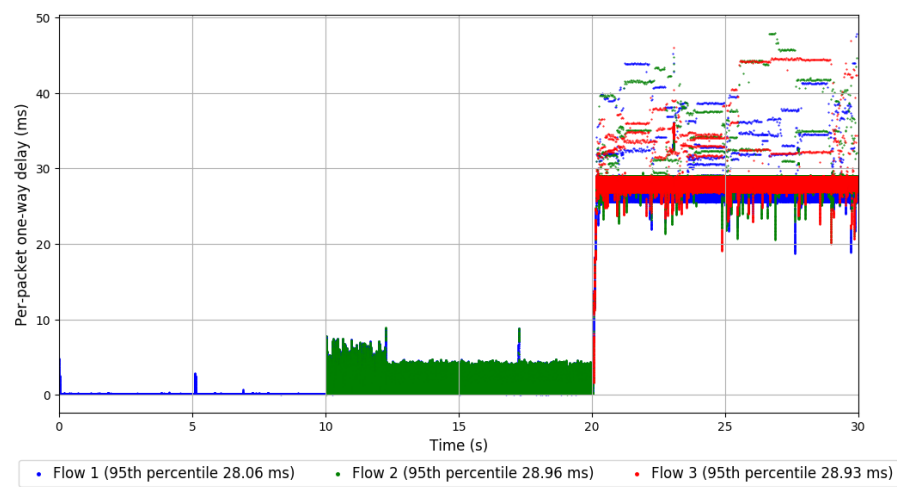
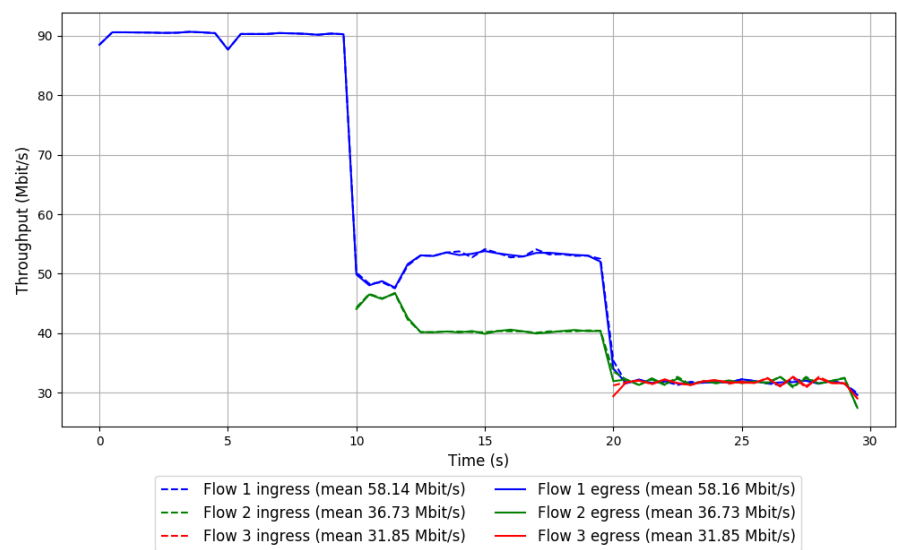


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 19:25:26
End at: 2018-04-10 19:25:56
Local clock offset: -6.882 ms
Remote clock offset: -7.208 ms

Below is generated by plot.py at 2018-04-11 01:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.10 Mbit/s
95th percentile per-packet one-way delay: 28.893 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 28.056 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 36.73 Mbit/s
95th percentile per-packet one-way delay: 28.960 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 28.931 ms
Loss rate: 0.29%

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

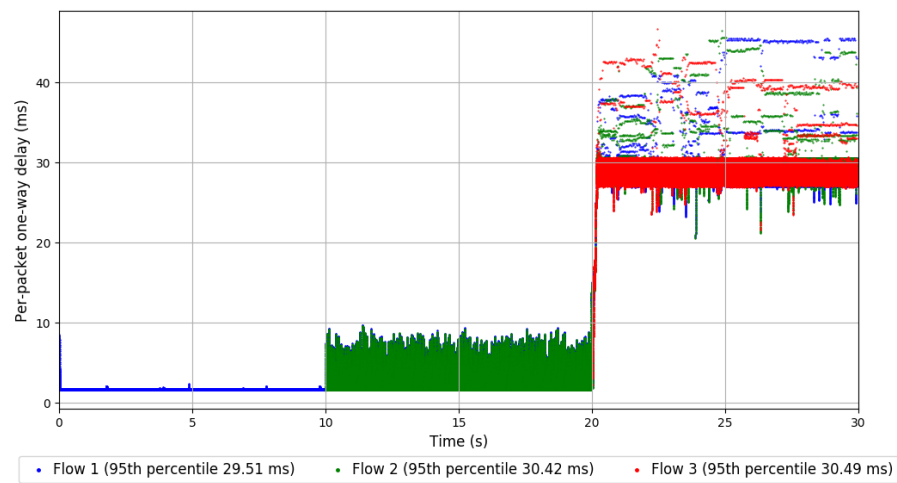
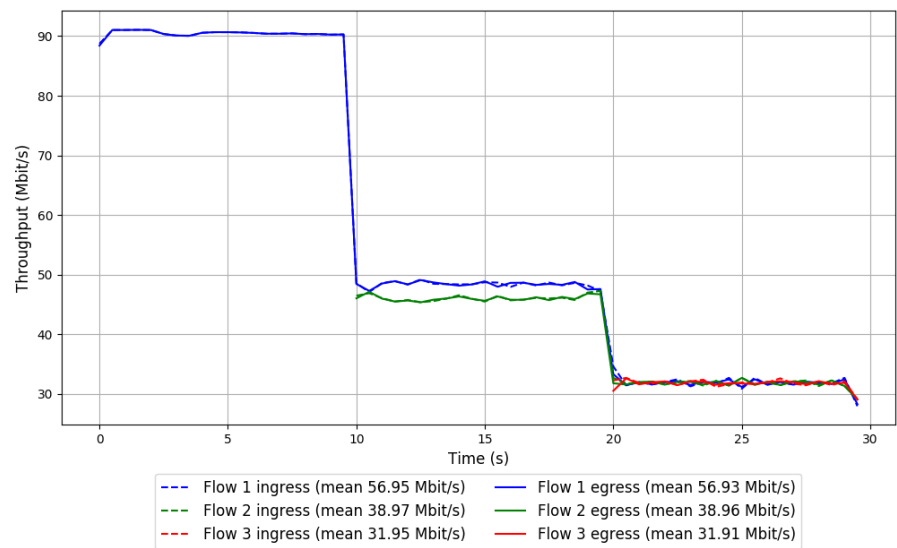


Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 19:45:47
End at: 2018-04-10 19:46:17
Local clock offset: -4.982 ms
Remote clock offset: -6.962 ms

Below is generated by plot.py at 2018-04-11 01:08:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 30.364 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 29.512 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.96 Mbit/s
95th percentile per-packet one-way delay: 30.422 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 30.488 ms
Loss rate: 0.29%

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

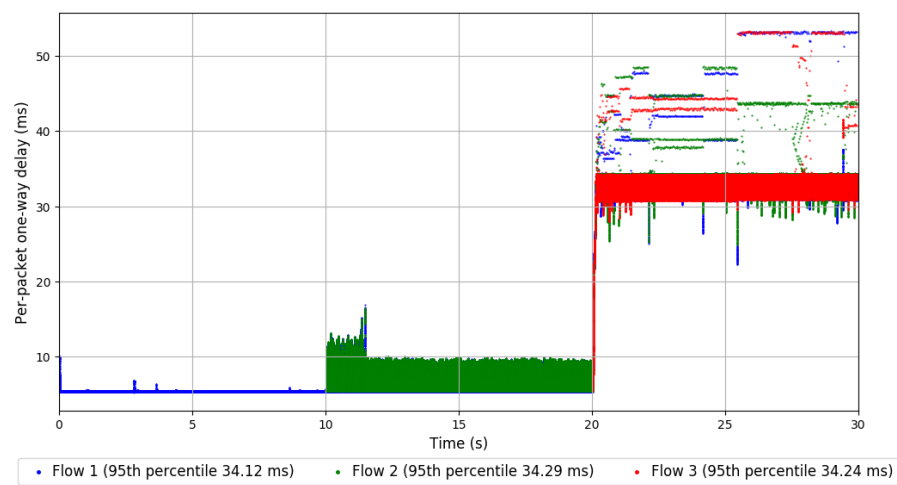
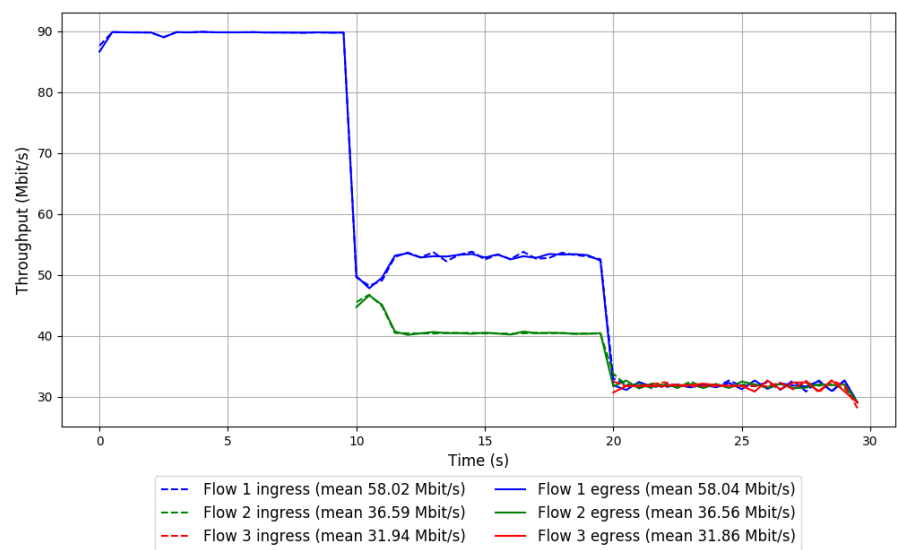


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 20:06:07
End at: 2018-04-10 20:06:37
Local clock offset: -6.807 ms
Remote clock offset: -12.317 ms

Below is generated by plot.py at 2018-04-11 01:08:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.92 Mbit/s
95th percentile per-packet one-way delay: 34.219 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.04 Mbit/s
95th percentile per-packet one-way delay: 34.125 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.56 Mbit/s
95th percentile per-packet one-way delay: 34.289 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 34.240 ms
Loss rate: 0.29%

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

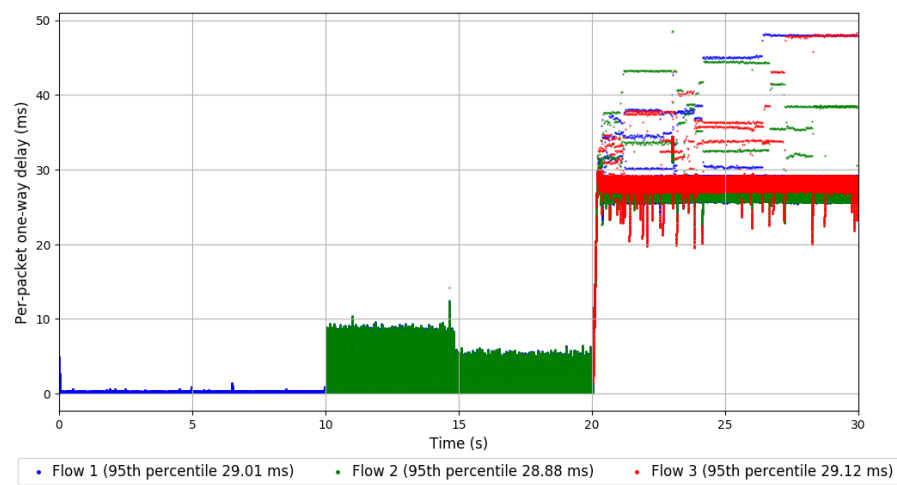
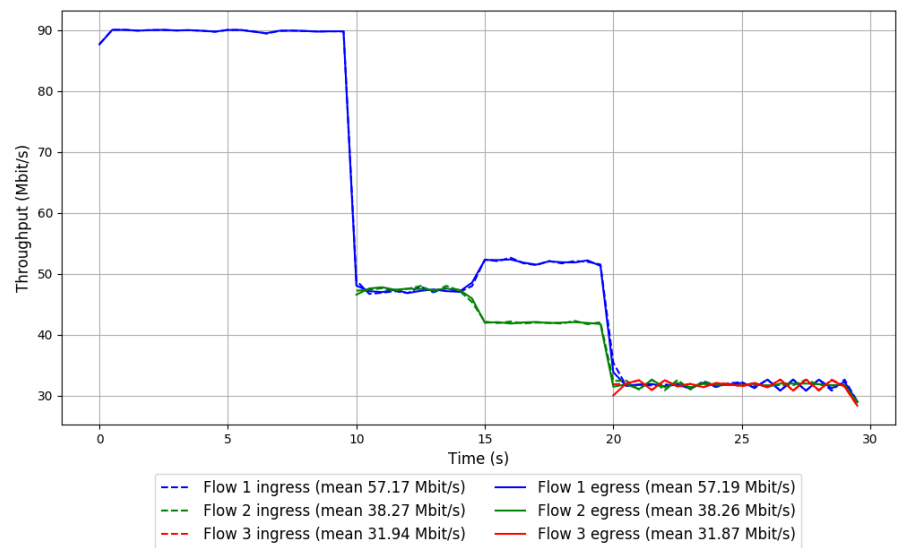


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 20:26:25
End at: 2018-04-10 20:26:55
Local clock offset: -7.024 ms
Remote clock offset: -7.258 ms

Below is generated by plot.py at 2018-04-11 01:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 29.050 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.19 Mbit/s
95th percentile per-packet one-way delay: 29.011 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 28.876 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 29.120 ms
Loss rate: 0.29%

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

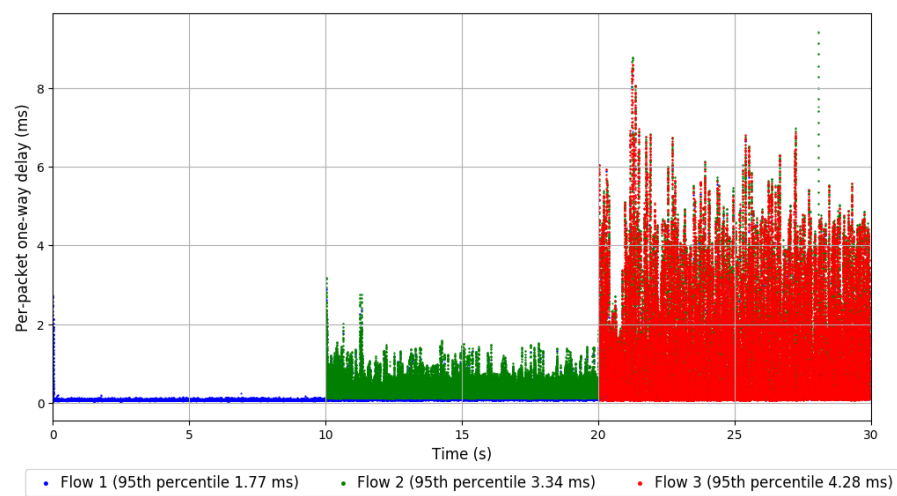
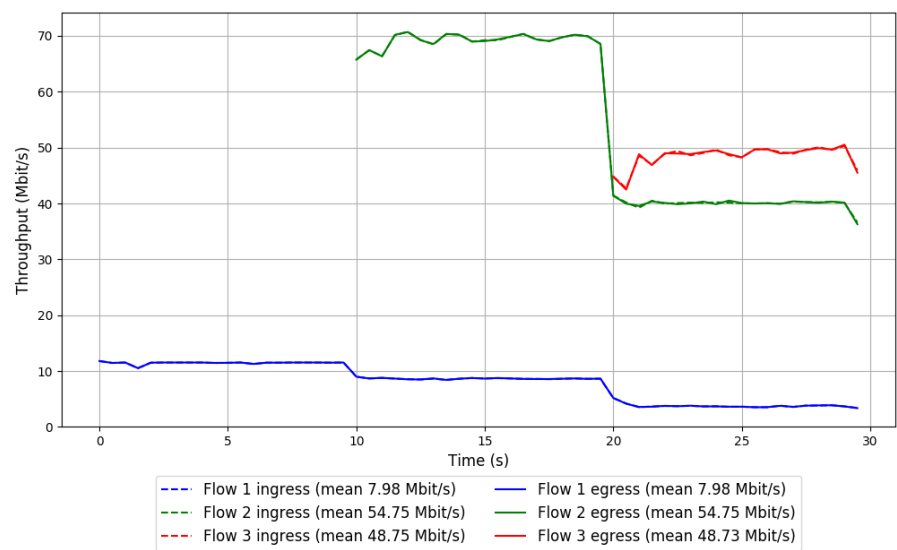


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 20:46:46
End at: 2018-04-10 20:47:16
Local clock offset: -8.224 ms
Remote clock offset: -7.012 ms

Below is generated by plot.py at 2018-04-11 01:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 3.697 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 1.769 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 3.340 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 4.280 ms
Loss rate: 0.05%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 21:07:06

End at: 2018-04-10 21:07:36

Local clock offset: -8.175 ms

Remote clock offset: -6.92 ms

Below is generated by plot.py at 2018-04-11 01:10:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.89 Mbit/s

95th percentile per-packet one-way delay: 28.859 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 28.863 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 42.65 Mbit/s

95th percentile per-packet one-way delay: 28.831 ms

Loss rate: 0.11%

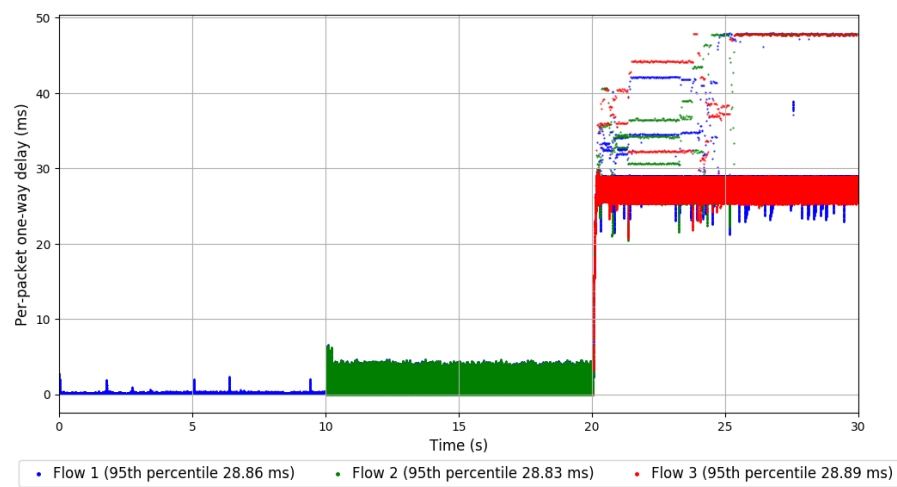
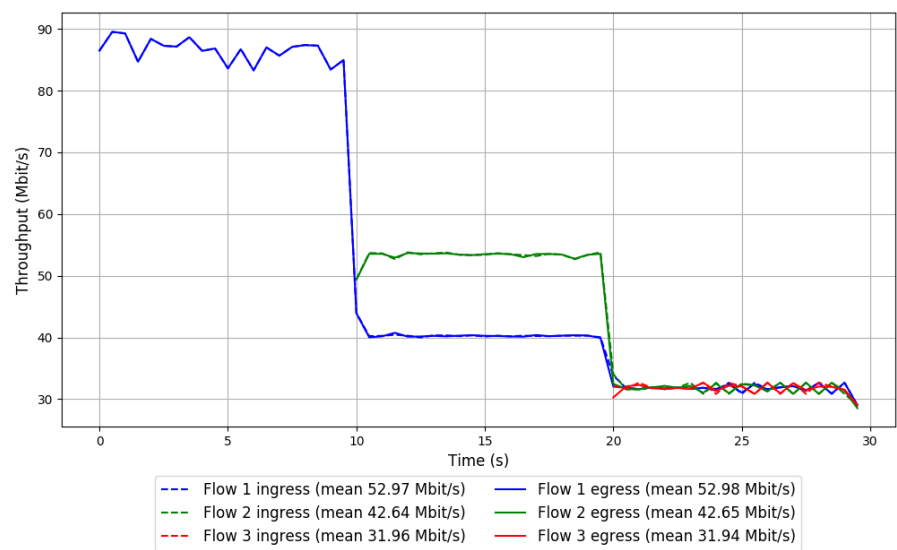
-- Flow 3:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 28.889 ms

Loss rate: 0.29%

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

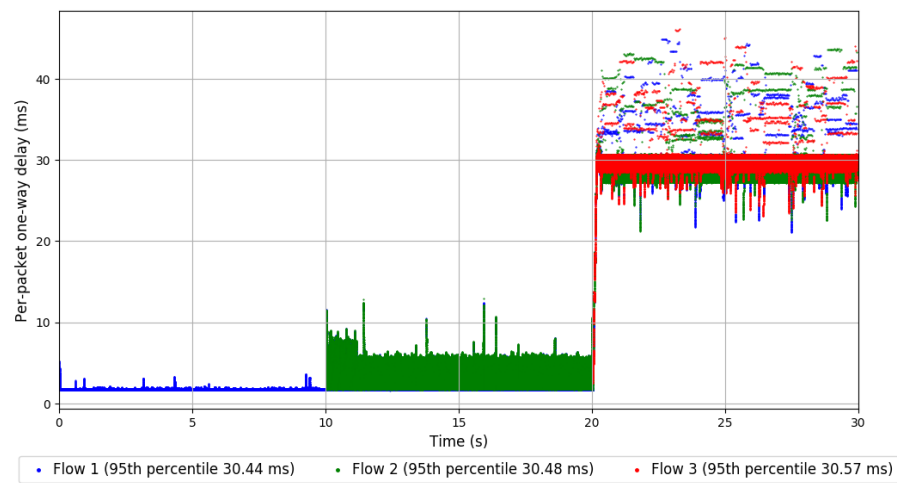
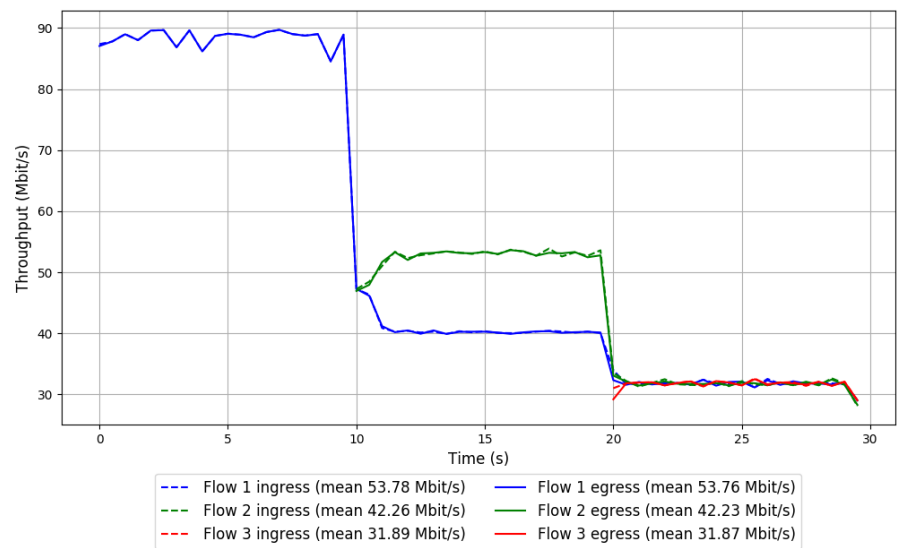


Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 21:27:26
End at: 2018-04-10 21:27:56
Local clock offset: -6.397 ms
Remote clock offset: -7.002 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 30.499 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 30.441 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 30.482 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 30.570 ms
Loss rate: 0.29%

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

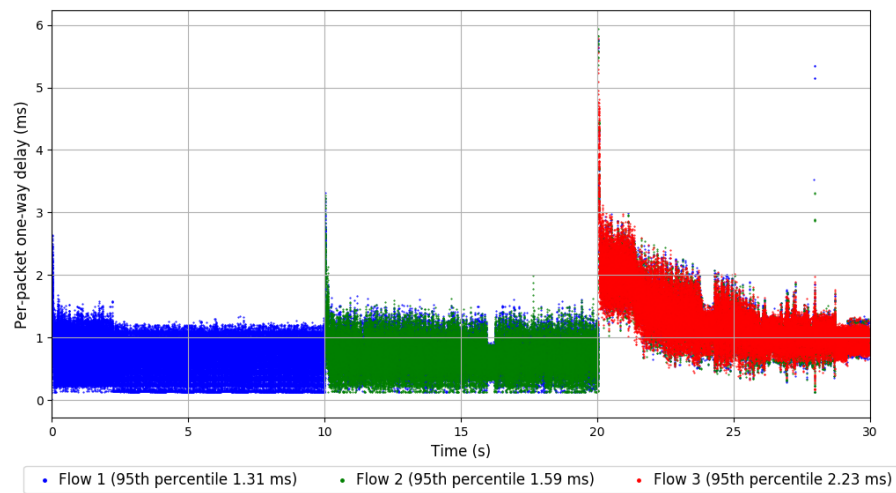
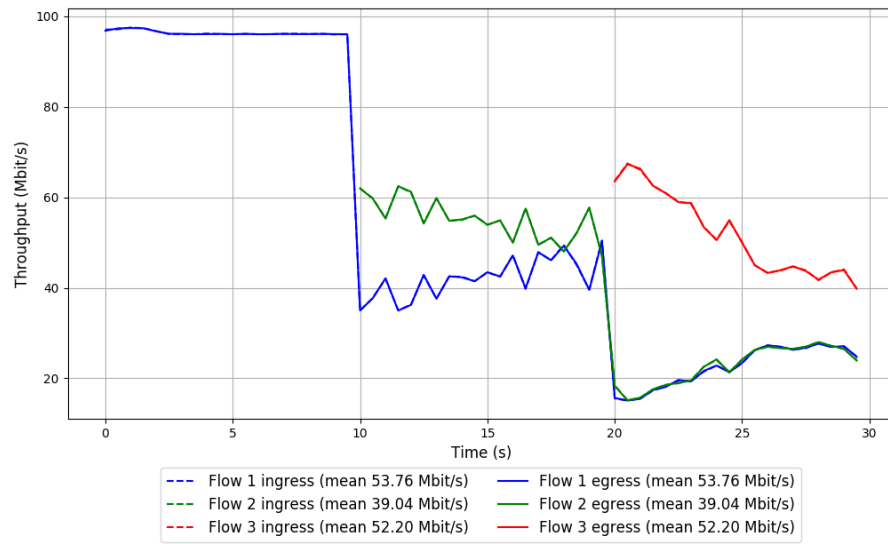


Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 18:15:24
End at: 2018-04-10 18:15:54
Local clock offset: -7.149 ms
Remote clock offset: -9.608 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 1.791 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 1.312 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.04 Mbit/s
95th percentile per-packet one-way delay: 1.594 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.20 Mbit/s
95th percentile per-packet one-way delay: 2.234 ms
Loss rate: 0.02%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 18:35:46

End at: 2018-04-10 18:36:16

Local clock offset: -6.057 ms

Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-04-11 01:10:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 3.665 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 53.17 Mbit/s

95th percentile per-packet one-way delay: 3.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.15 Mbit/s

95th percentile per-packet one-way delay: 3.526 ms

Loss rate: 0.01%

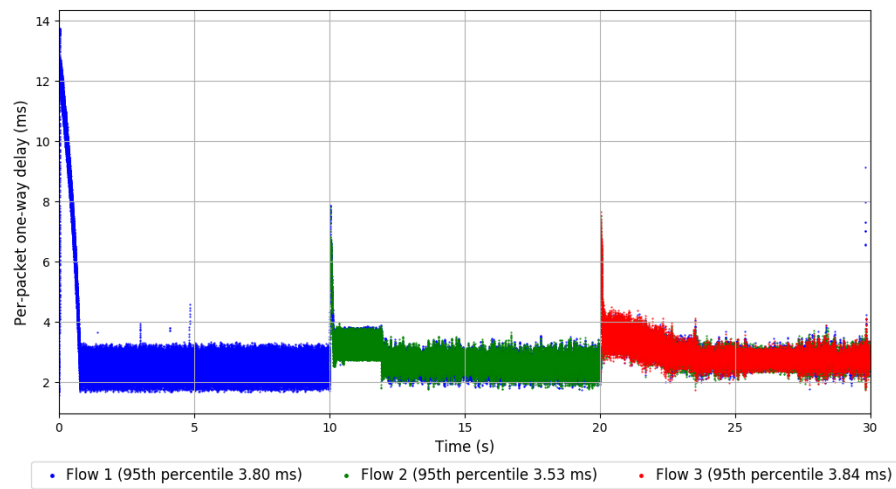
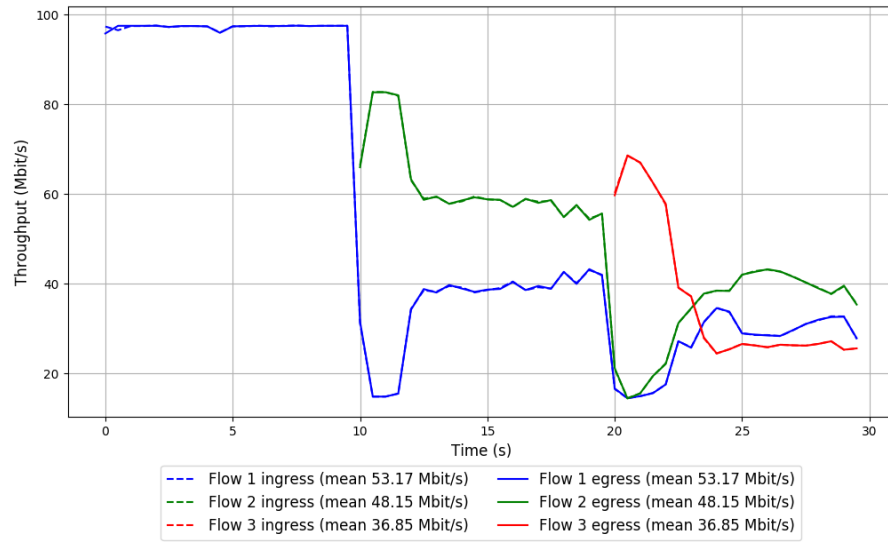
-- Flow 3:

Average throughput: 36.85 Mbit/s

95th percentile per-packet one-way delay: 3.844 ms

Loss rate: 0.02%

Run 2: Report of TCP Vegas — Data Link

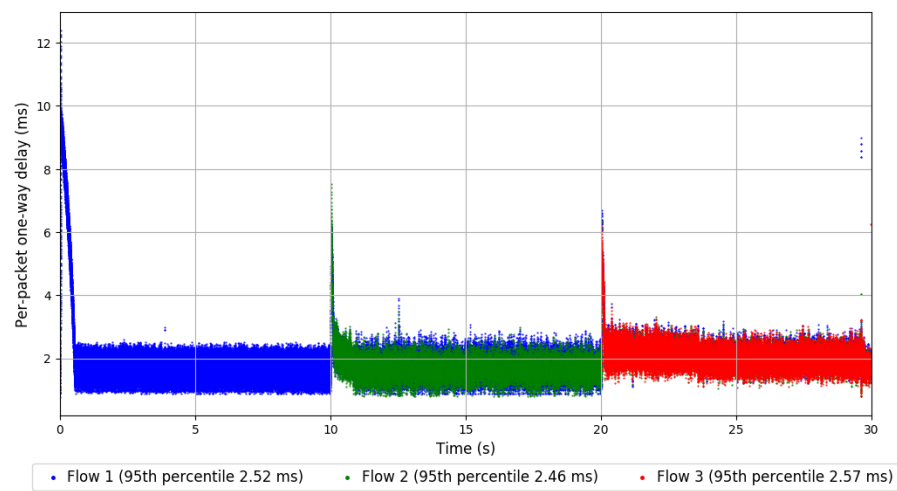
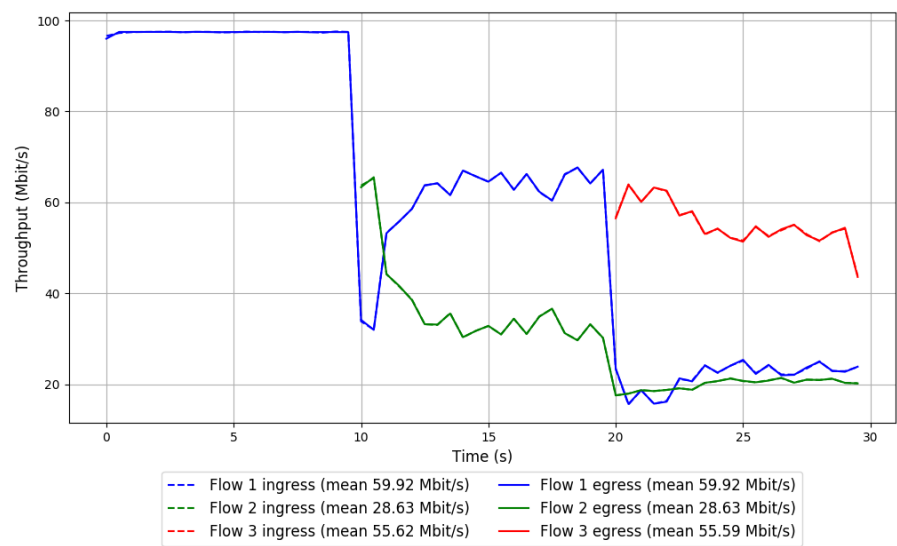


Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 18:56:07
End at: 2018-04-10 18:56:37
Local clock offset: -6.582 ms
Remote clock offset: -6.354 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 2.526 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 2.515 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.63 Mbit/s
95th percentile per-packet one-way delay: 2.464 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 55.59 Mbit/s
95th percentile per-packet one-way delay: 2.572 ms
Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link

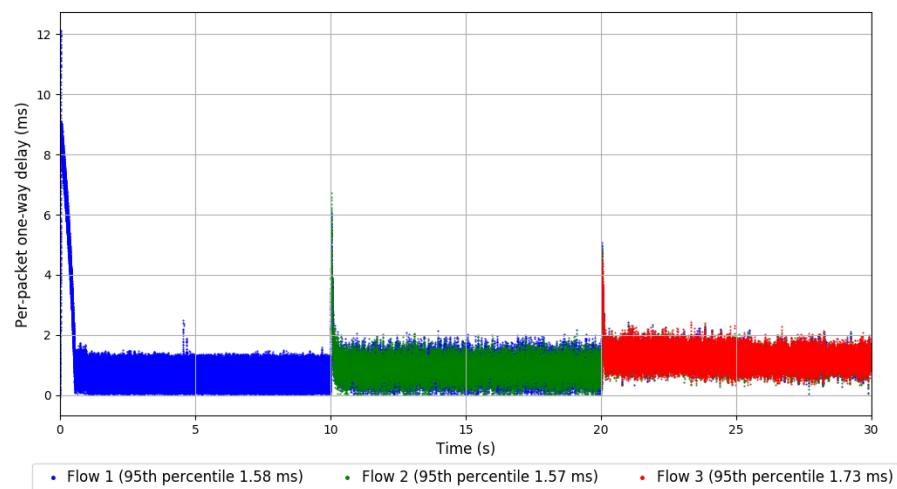
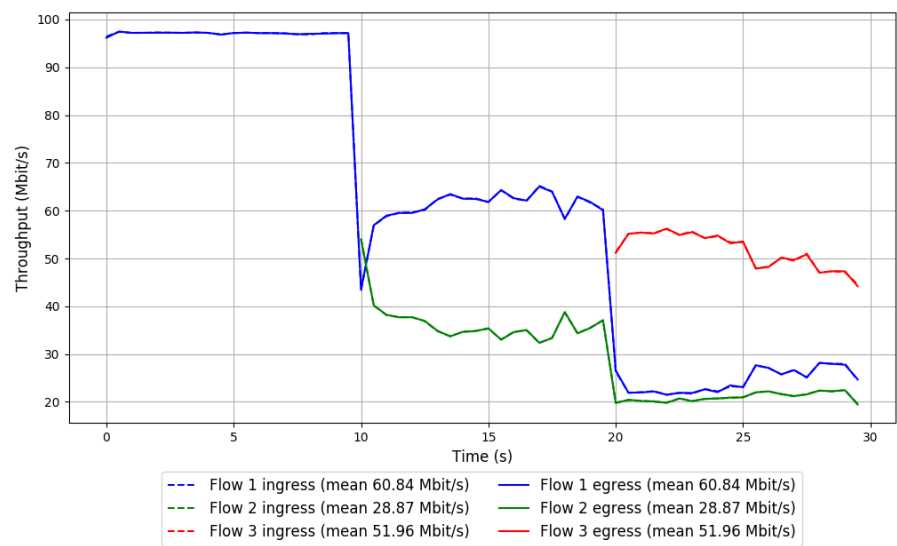


Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 19:16:25
End at: 2018-04-10 19:16:55
Local clock offset: -7.319 ms
Remote clock offset: -7.047 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 1.637 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.84 Mbit/s
95th percentile per-packet one-way delay: 1.580 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 1.566 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 51.96 Mbit/s
95th percentile per-packet one-way delay: 1.729 ms
Loss rate: 0.03%

Run 4: Report of TCP Vegas — Data Link

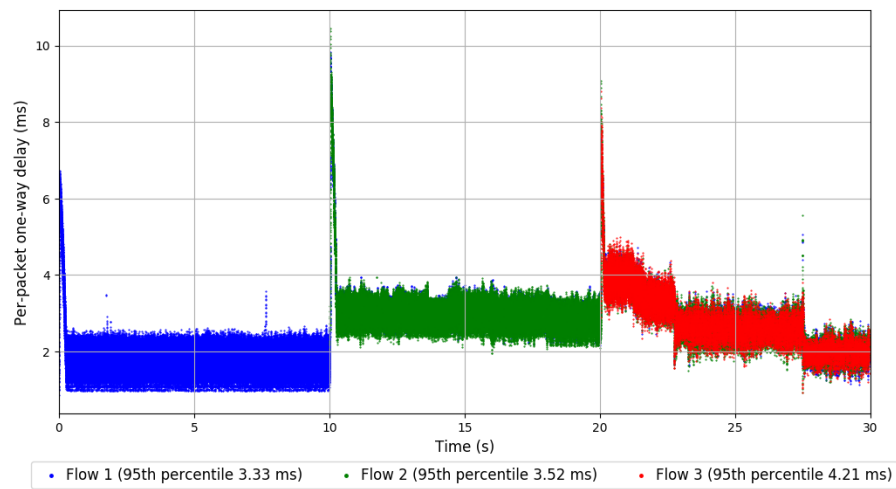
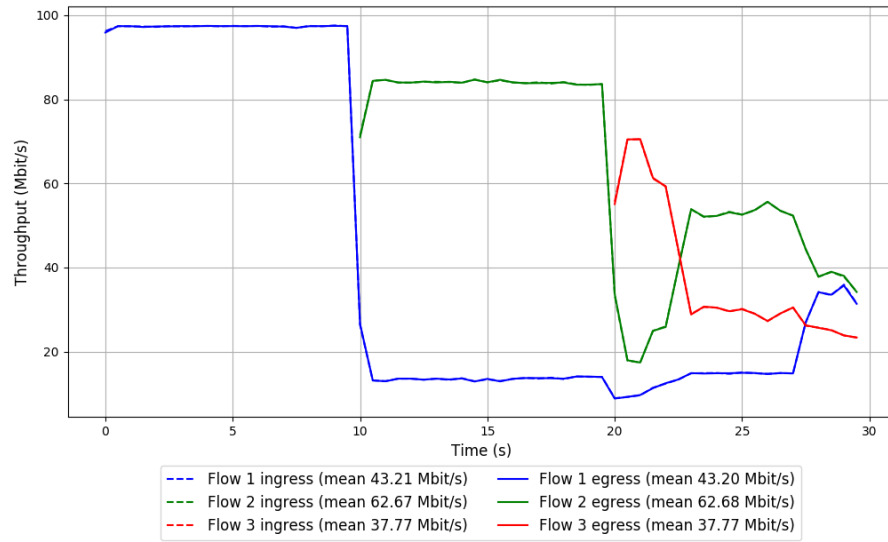


Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 19:36:47
End at: 2018-04-10 19:37:17
Local clock offset: -5.824 ms
Remote clock offset: -7.048 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 3.716 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 3.333 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 62.68 Mbit/s
95th percentile per-packet one-way delay: 3.523 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.77 Mbit/s
95th percentile per-packet one-way delay: 4.205 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

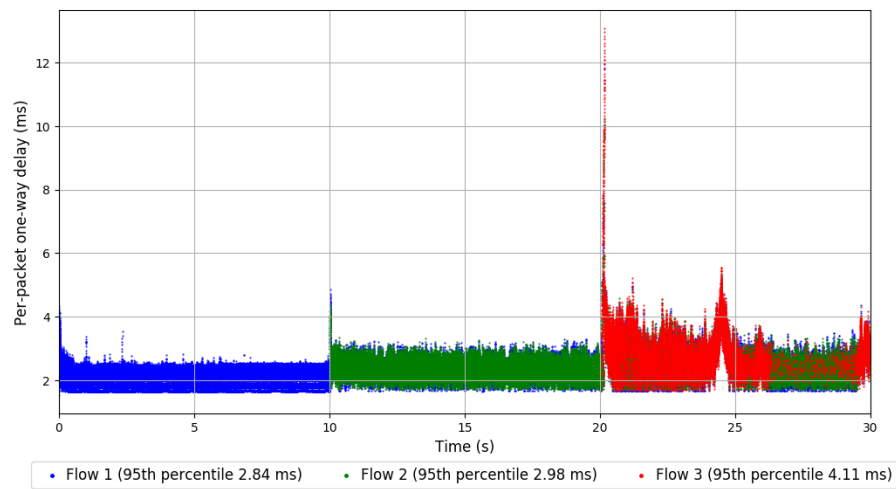
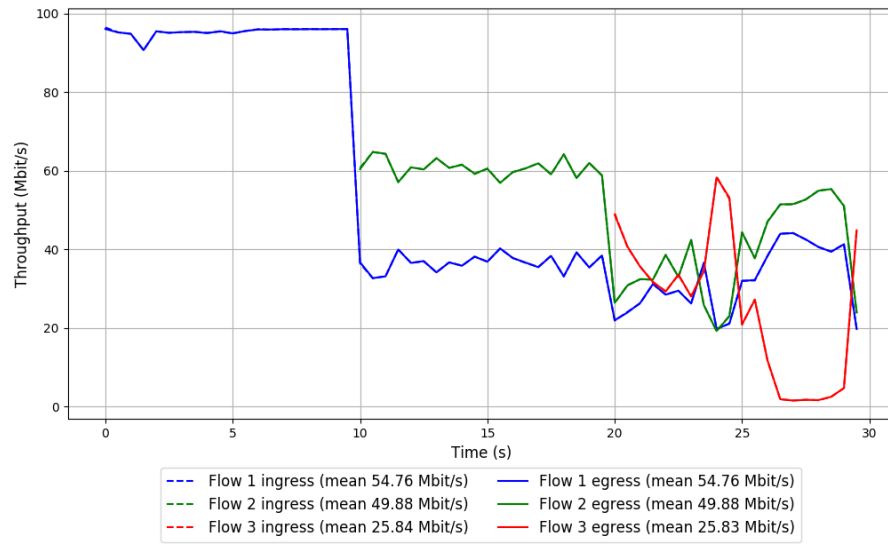


Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 19:57:07
End at: 2018-04-10 19:57:37
Local clock offset: -5.119 ms
Remote clock offset: -6.973 ms

Below is generated by plot.py at 2018-04-11 01:10:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 3.154 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 2.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 2.984 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.07%

Run 6: Report of TCP Vegas — Data Link

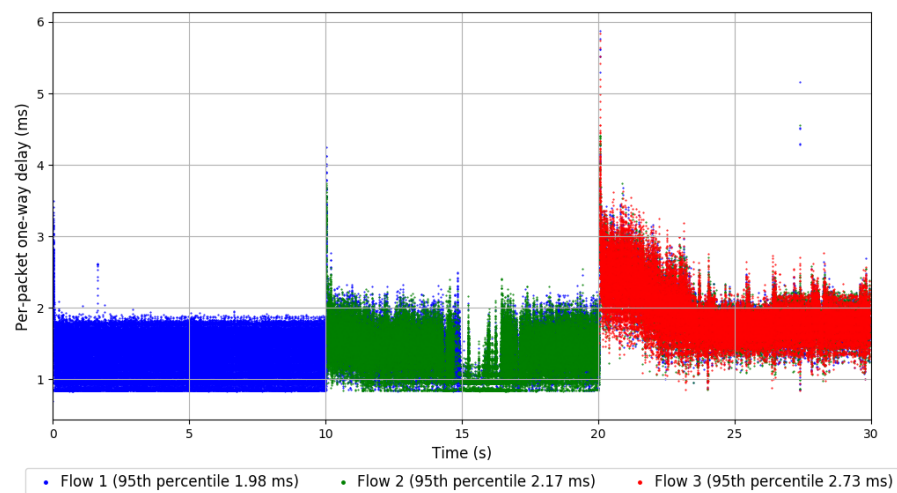
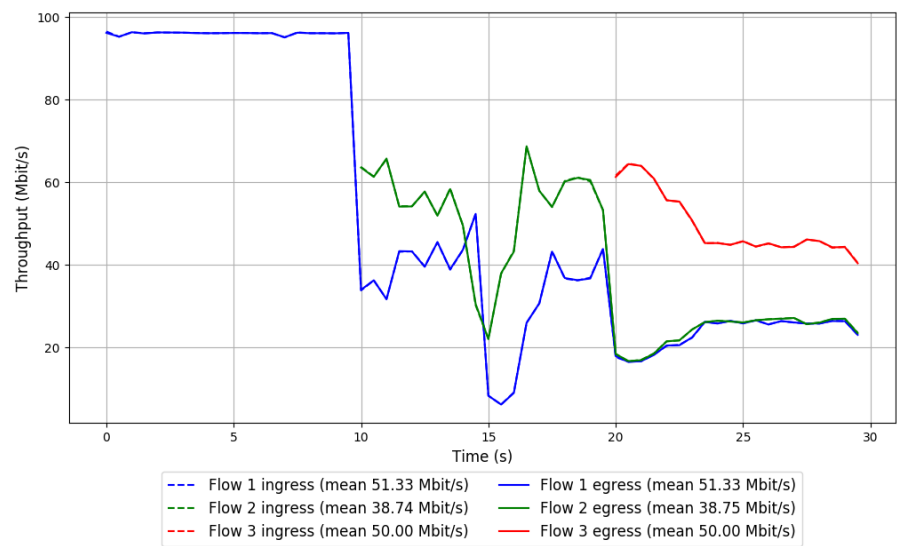


Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 20:17:25
End at: 2018-04-10 20:17:55
Local clock offset: -6.249 ms
Remote clock offset: -7.184 ms

Below is generated by plot.py at 2018-04-11 01:11:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 51.33 Mbit/s
95th percentile per-packet one-way delay: 1.982 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 2.175 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 50.00 Mbit/s
95th percentile per-packet one-way delay: 2.726 ms
Loss rate: 0.03%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 20:37:45

End at: 2018-04-10 20:38:15

Local clock offset: -7.106 ms

Remote clock offset: -7.21 ms

Below is generated by plot.py at 2018-04-11 01:11:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.38 Mbit/s

95th percentile per-packet one-way delay: 13.912 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 54.23 Mbit/s

95th percentile per-packet one-way delay: 2.742 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 6.628 ms

Loss rate: 0.01%

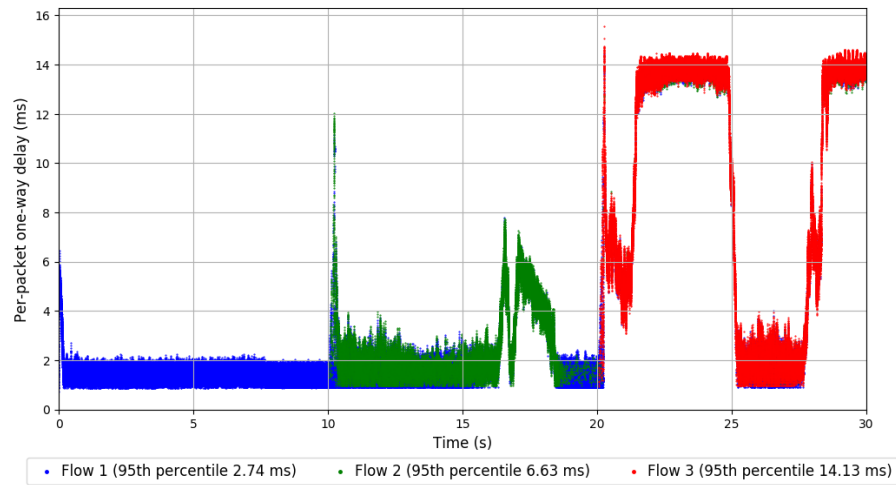
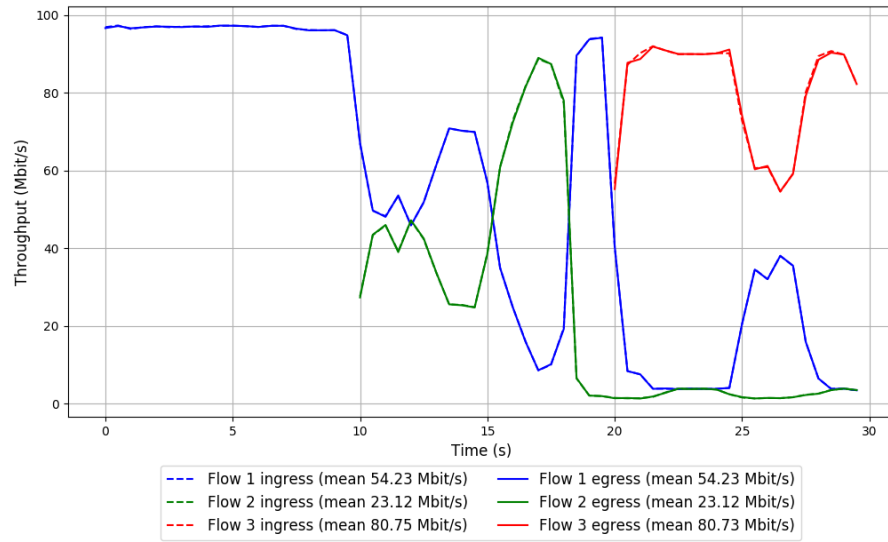
-- Flow 3:

Average throughput: 80.73 Mbit/s

95th percentile per-packet one-way delay: 14.134 ms

Loss rate: 0.16%

Run 8: Report of TCP Vegas — Data Link

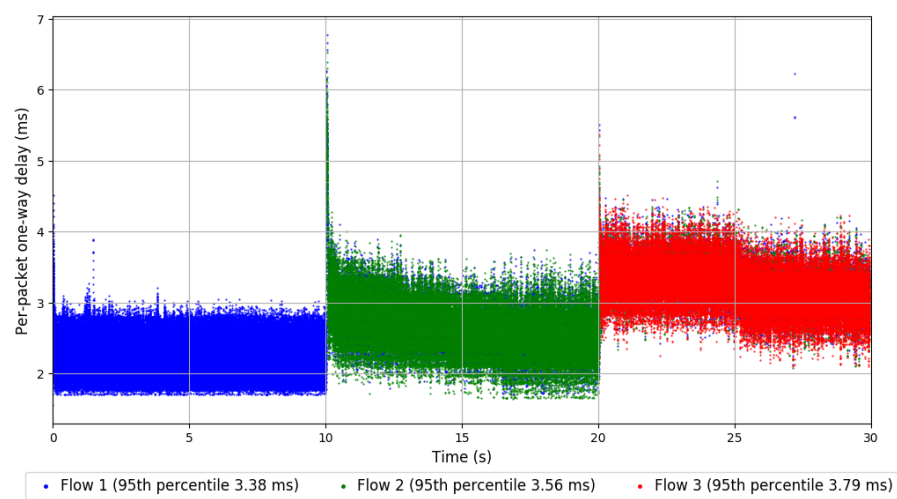
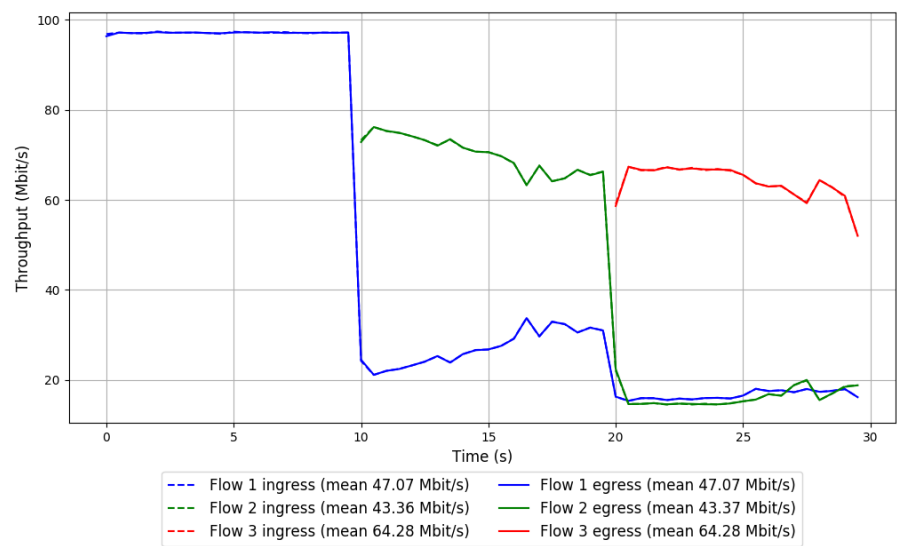


Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 20:58:03
End at: 2018-04-10 20:58:33
Local clock offset: -6.932 ms
Remote clock offset: -6.927 ms

Below is generated by plot.py at 2018-04-11 01:11:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 3.611 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 3.382 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 3.556 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 3.786 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link

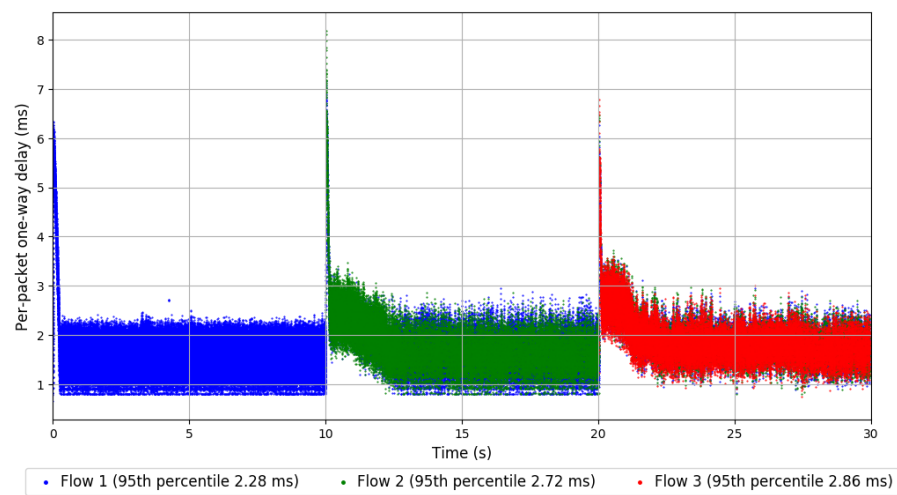
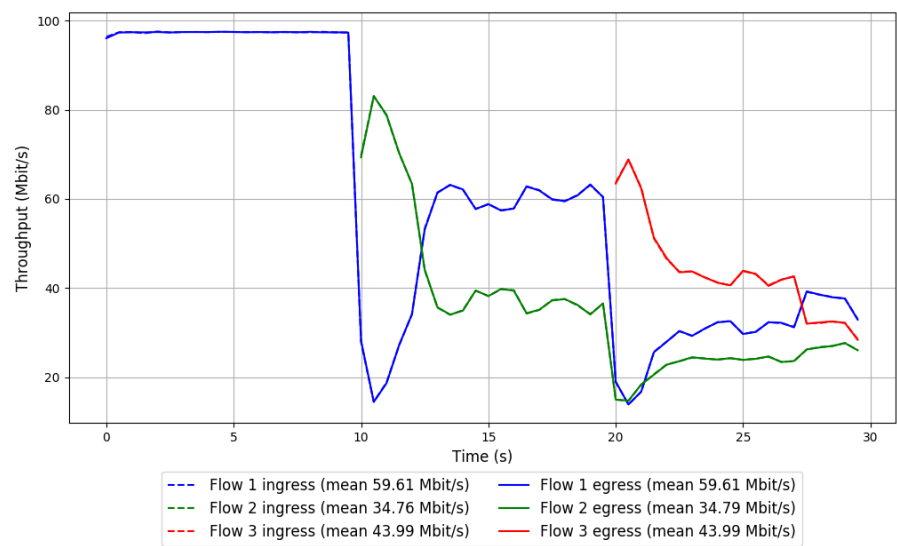


Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 21:18:24
End at: 2018-04-10 21:18:54
Local clock offset: -7.231 ms
Remote clock offset: -6.932 ms

Below is generated by plot.py at 2018-04-11 01:11:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 2.578 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 2.716 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 43.99 Mbit/s
95th percentile per-packet one-way delay: 2.862 ms
Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

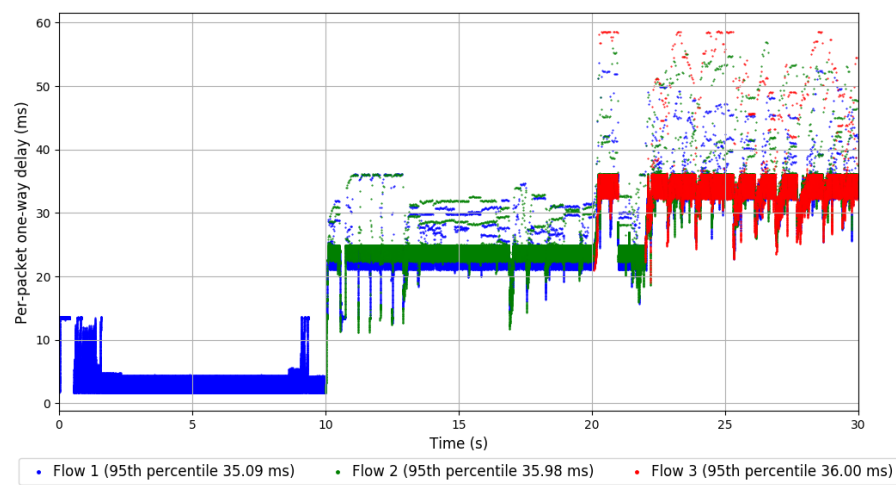
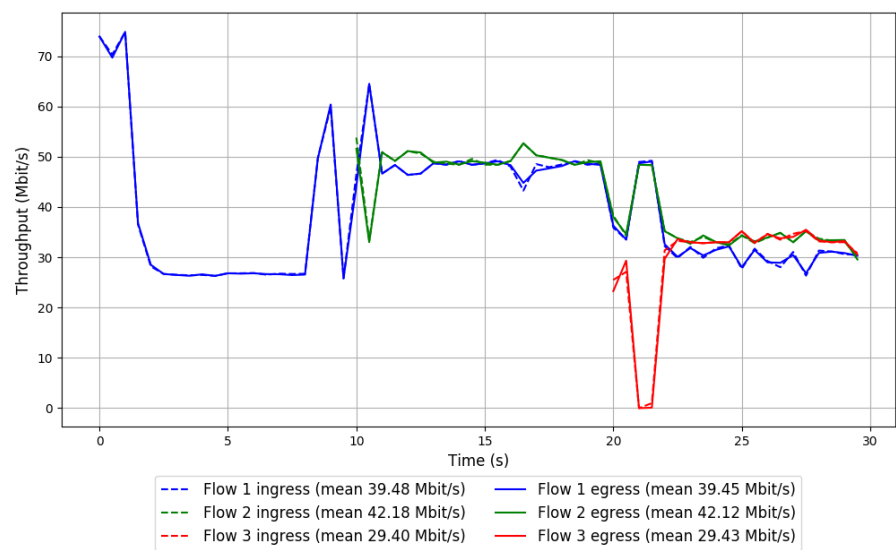


Run 1: Statistics of Verus

Start at: 2018-04-10 18:09:43
End at: 2018-04-10 18:10:13
Local clock offset: -5.377 ms
Remote clock offset: -9.263 ms

Below is generated by plot.py at 2018-04-11 01:11:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 35.939 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 39.45 Mbit/s
95th percentile per-packet one-way delay: 35.088 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 35.983 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 29.43 Mbit/s
95th percentile per-packet one-way delay: 36.000 ms
Loss rate: 0.38%

Run 1: Report of Verus — Data Link

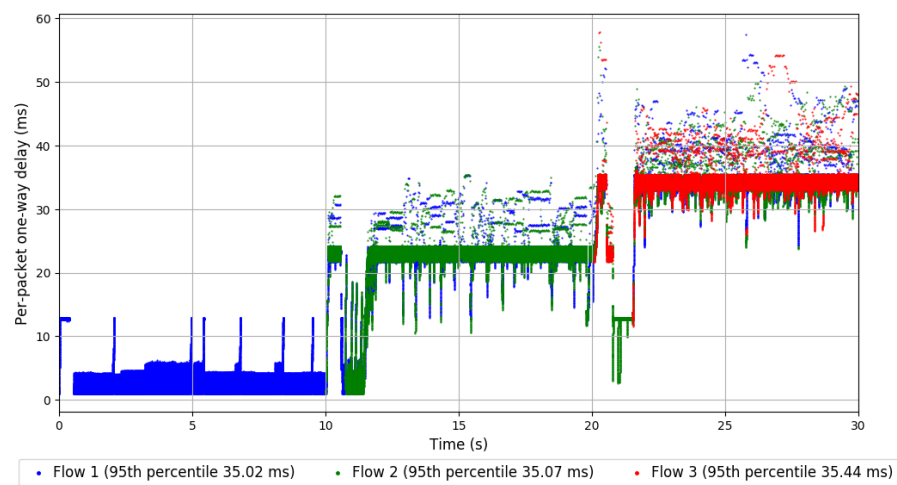
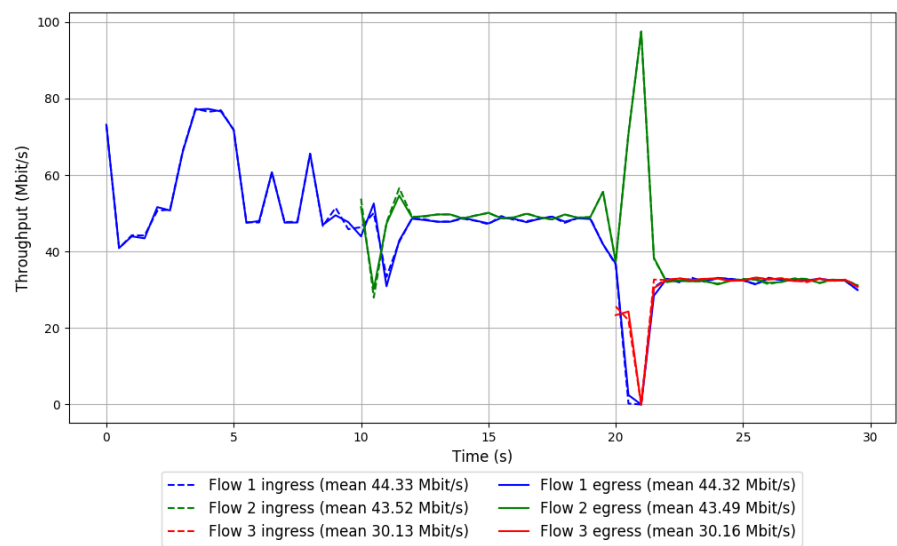


Run 2: Statistics of Verus

Start at: 2018-04-10 18:30:03
End at: 2018-04-10 18:30:33
Local clock offset: -6.689 ms
Remote clock offset: -7.154 ms

Below is generated by plot.py at 2018-04-11 01:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 44.32 Mbit/s
95th percentile per-packet one-way delay: 35.024 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 43.49 Mbit/s
95th percentile per-packet one-way delay: 35.072 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 35.441 ms
Loss rate: 0.37%

Run 2: Report of Verus — Data Link

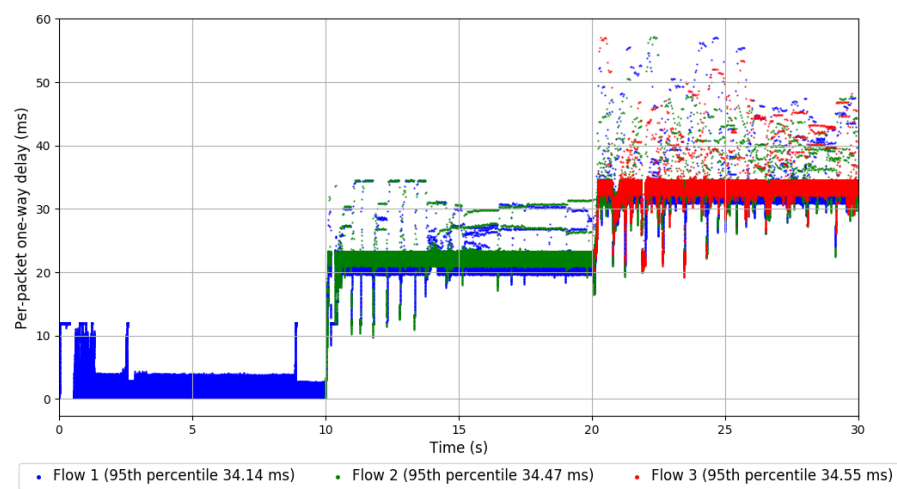
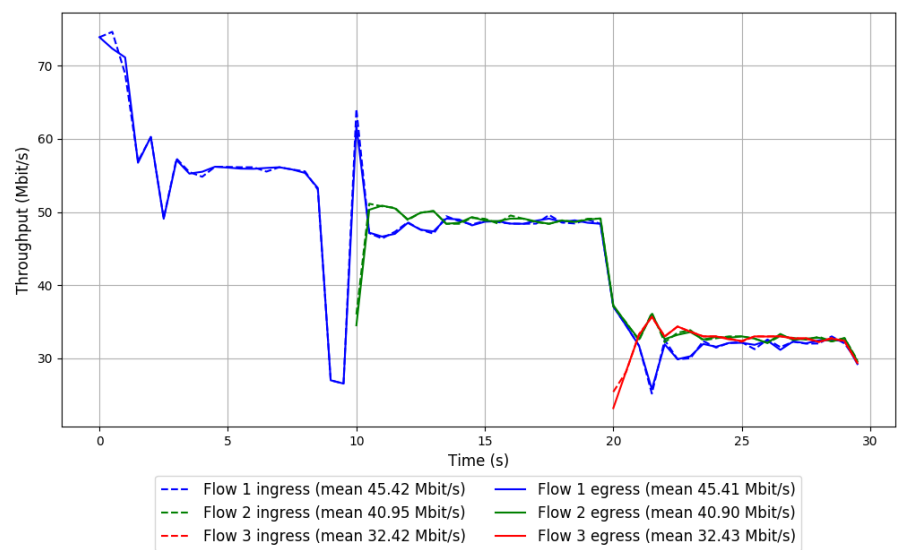


Run 3: Statistics of Verus

Start at: 2018-04-10 18:50:25
End at: 2018-04-10 18:50:55
Local clock offset: -7.374 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-04-11 01:12:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 34.137 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 34.465 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 34.548 ms
Loss rate: 0.35%

Run 3: Report of Verus — Data Link

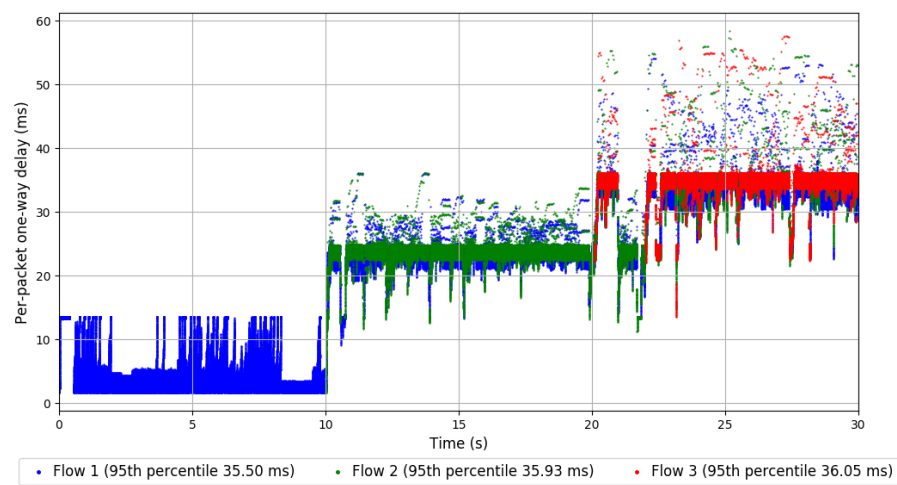
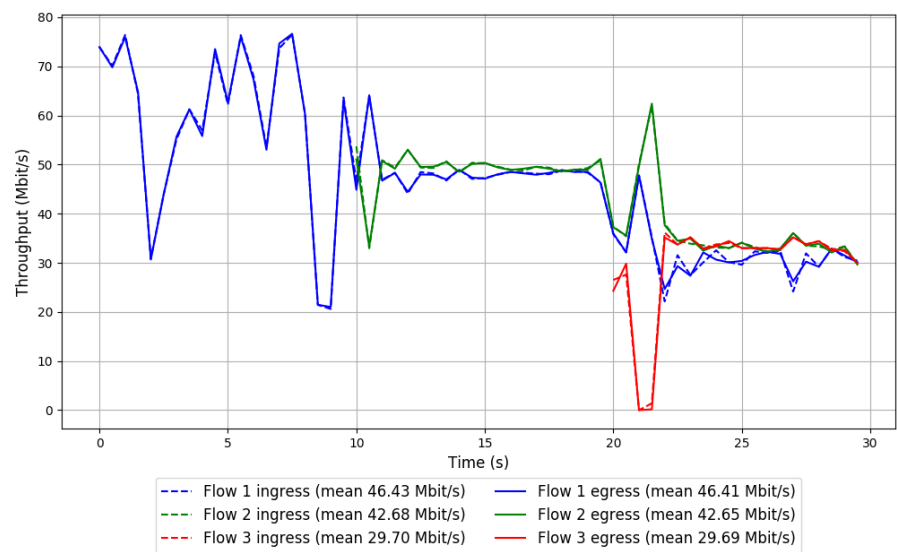


Run 4: Statistics of Verus

Start at: 2018-04-10 19:10:44
End at: 2018-04-10 19:11:14
Local clock offset: -5.759 ms
Remote clock offset: -6.95 ms

Below is generated by plot.py at 2018-04-11 01:12:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.64 Mbit/s
95th percentile per-packet one-way delay: 35.933 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 46.41 Mbit/s
95th percentile per-packet one-way delay: 35.501 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.65 Mbit/s
95th percentile per-packet one-way delay: 35.927 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 36.050 ms
Loss rate: 0.38%

Run 4: Report of Verus — Data Link

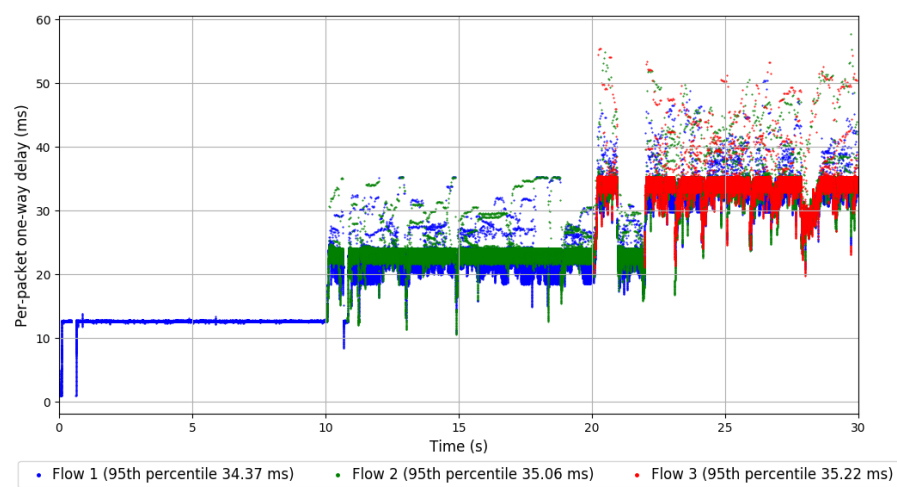
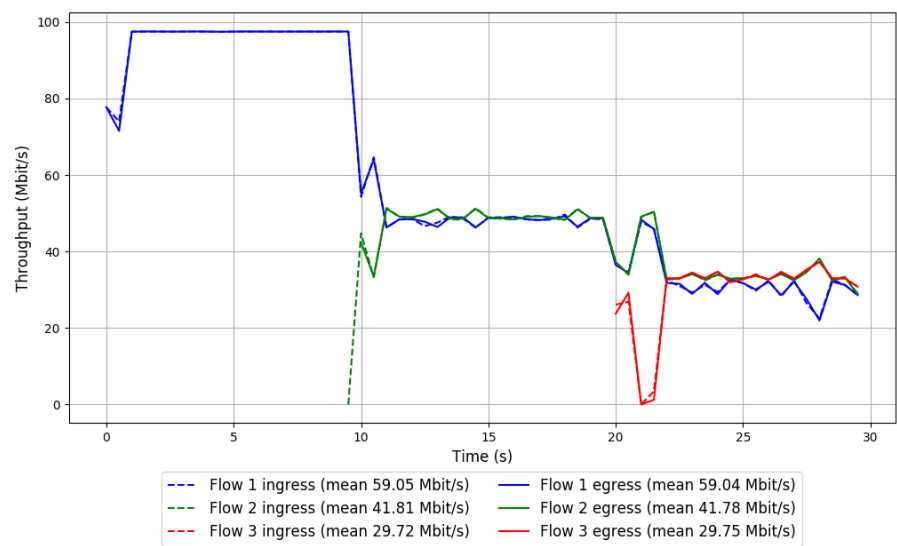


Run 5: Statistics of Verus

Start at: 2018-04-10 19:31:05
End at: 2018-04-10 19:31:35
Local clock offset: -6.05 ms
Remote clock offset: -7.164 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.70 Mbit/s
95th percentile per-packet one-way delay: 35.057 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 34.371 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 41.78 Mbit/s
95th percentile per-packet one-way delay: 35.065 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 35.221 ms
Loss rate: 0.38%

Run 5: Report of Verus — Data Link

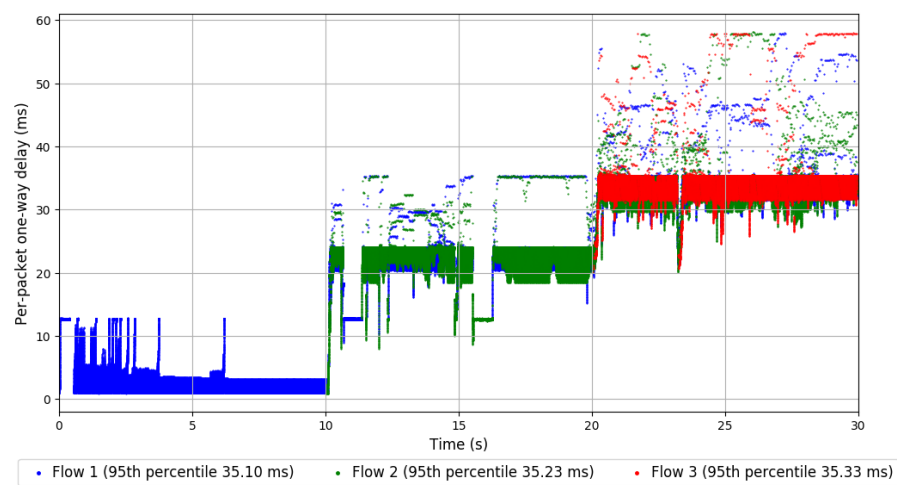
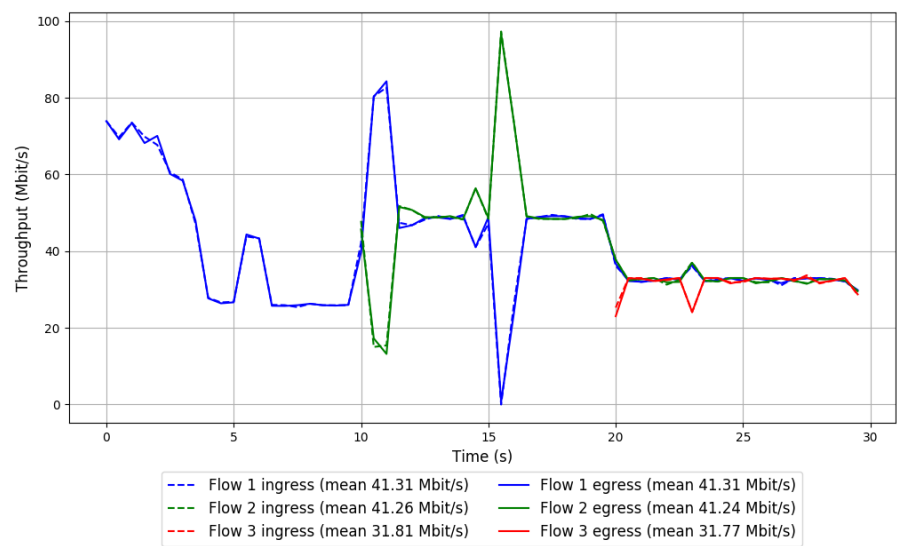


Run 6: Statistics of Verus

Start at: 2018-04-10 19:51:25
End at: 2018-04-10 19:51:55
Local clock offset: -5.66 ms
Remote clock offset: -7.021 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 35.259 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 41.31 Mbit/s
95th percentile per-packet one-way delay: 35.096 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 35.231 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 35.328 ms
Loss rate: 0.33%

Run 6: Report of Verus — Data Link

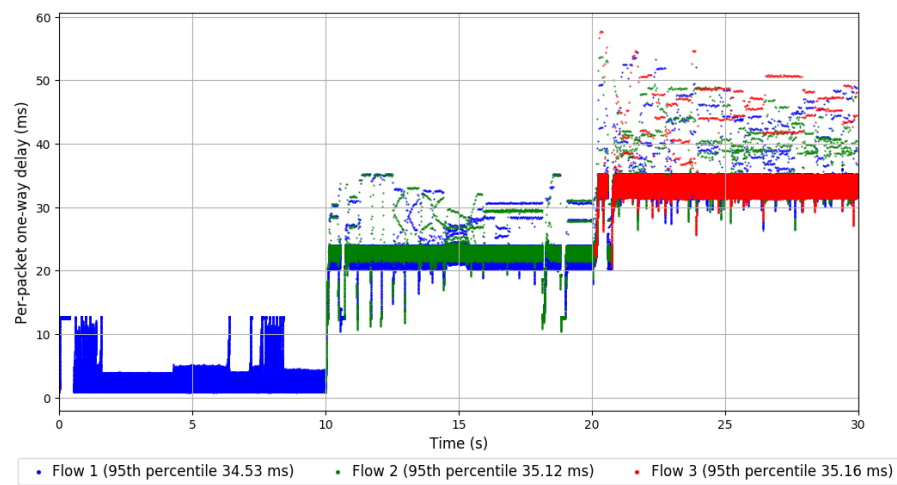
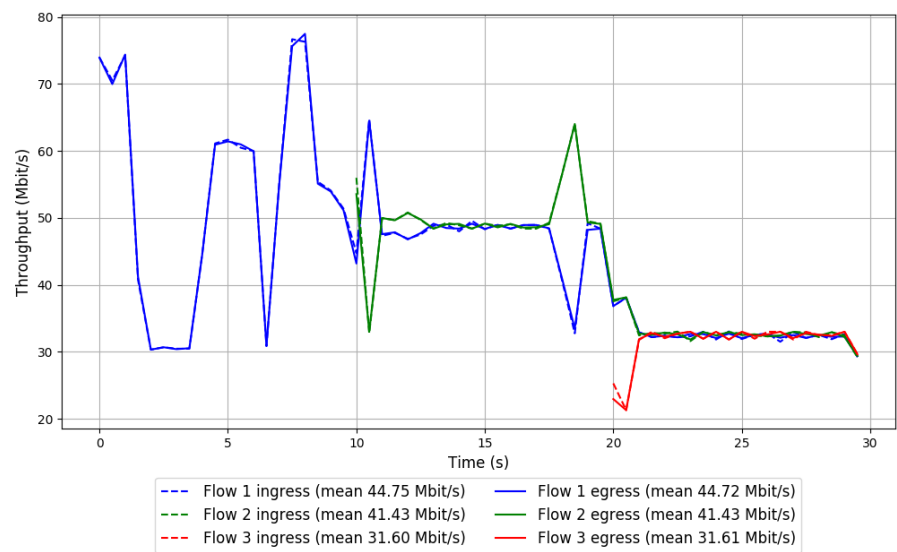


Run 7: Statistics of Verus

Start at: 2018-04-10 20:11:45
End at: 2018-04-10 20:12:15
Local clock offset: -6.204 ms
Remote clock offset: -7.131 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 35.078 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 44.72 Mbit/s
95th percentile per-packet one-way delay: 34.529 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 35.119 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 35.159 ms
Loss rate: 0.36%

Run 7: Report of Verus — Data Link

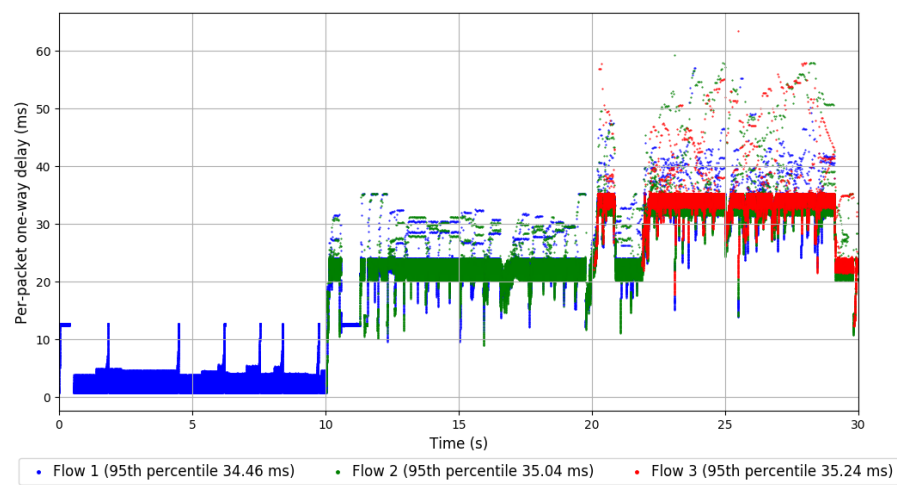
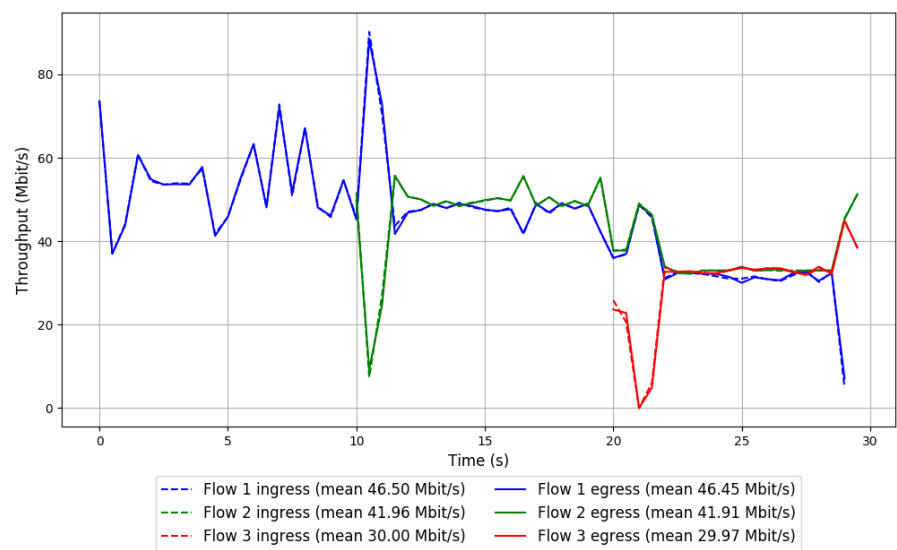


Run 8: Statistics of Verus

Start at: 2018-04-10 20:32:03
End at: 2018-04-10 20:32:33
Local clock offset: -7.604 ms
Remote clock offset: -8.009 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.95 Mbit/s
95th percentile per-packet one-way delay: 35.106 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 46.45 Mbit/s
95th percentile per-packet one-way delay: 34.461 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.91 Mbit/s
95th percentile per-packet one-way delay: 35.039 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 29.97 Mbit/s
95th percentile per-packet one-way delay: 35.236 ms
Loss rate: 0.38%

Run 8: Report of Verus — Data Link

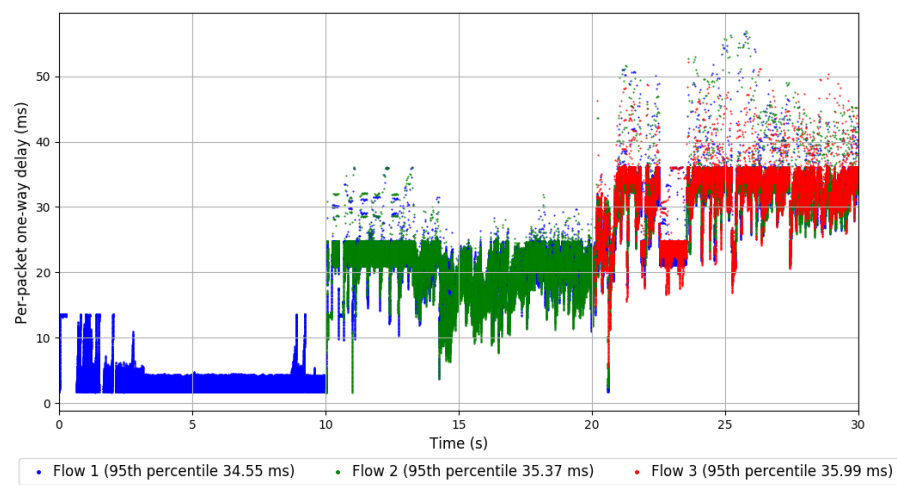
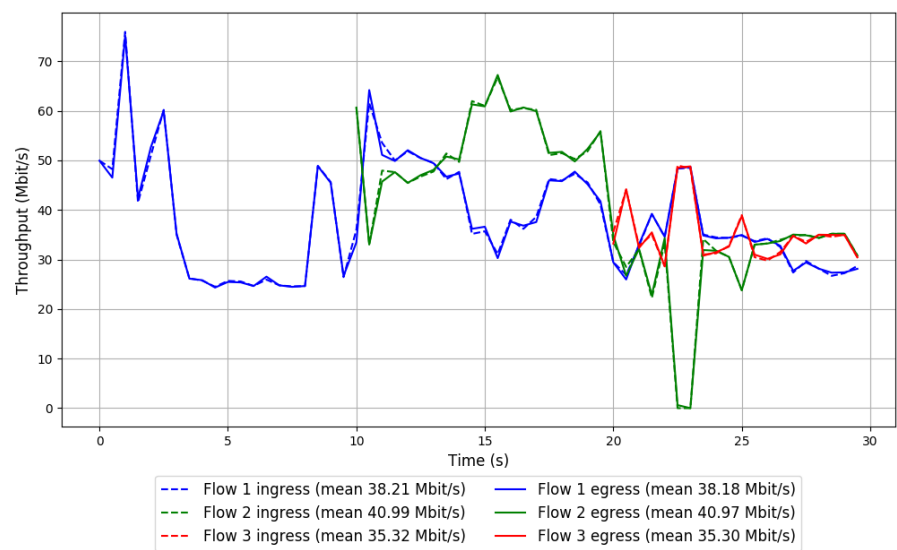


Run 9: Statistics of Verus

Start at: 2018-04-10 20:52:22
End at: 2018-04-10 20:52:52
Local clock offset: -6.806 ms
Remote clock offset: -6.951 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.13 Mbit/s
95th percentile per-packet one-way delay: 35.386 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 38.18 Mbit/s
95th percentile per-packet one-way delay: 34.548 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 35.373 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 35.30 Mbit/s
95th percentile per-packet one-way delay: 35.995 ms
Loss rate: 0.32%

Run 9: Report of Verus — Data Link

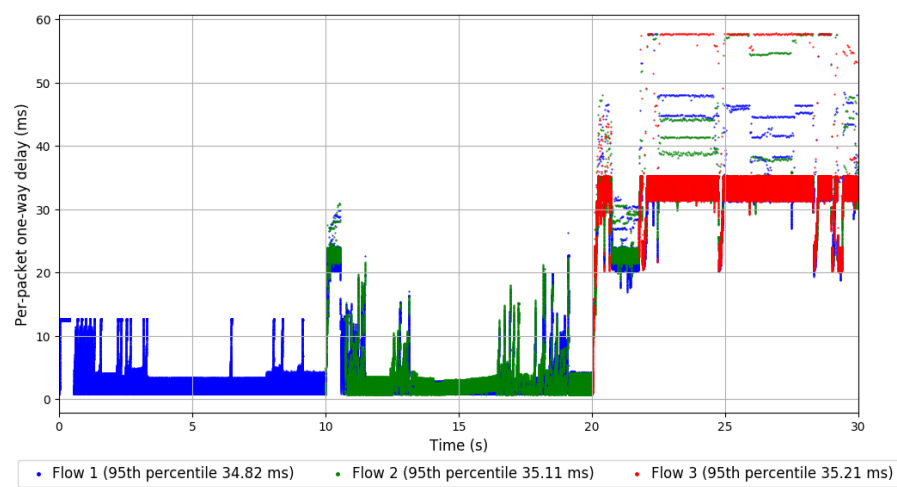
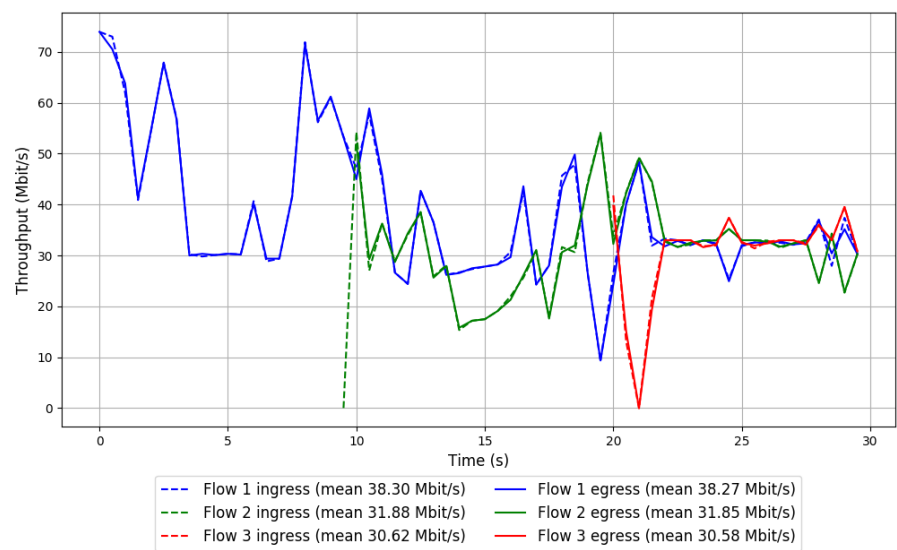


Run 10: Statistics of Verus

Start at: 2018-04-10 21:12:44
End at: 2018-04-10 21:13:14
Local clock offset: -7.275 ms
Remote clock offset: -6.938 ms

Below is generated by plot.py at 2018-04-11 01:12:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 35.134 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 38.27 Mbit/s
95th percentile per-packet one-way delay: 34.817 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 35.113 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 30.58 Mbit/s
95th percentile per-packet one-way delay: 35.213 ms
Loss rate: 0.37%

Run 10: Report of Verus — Data Link

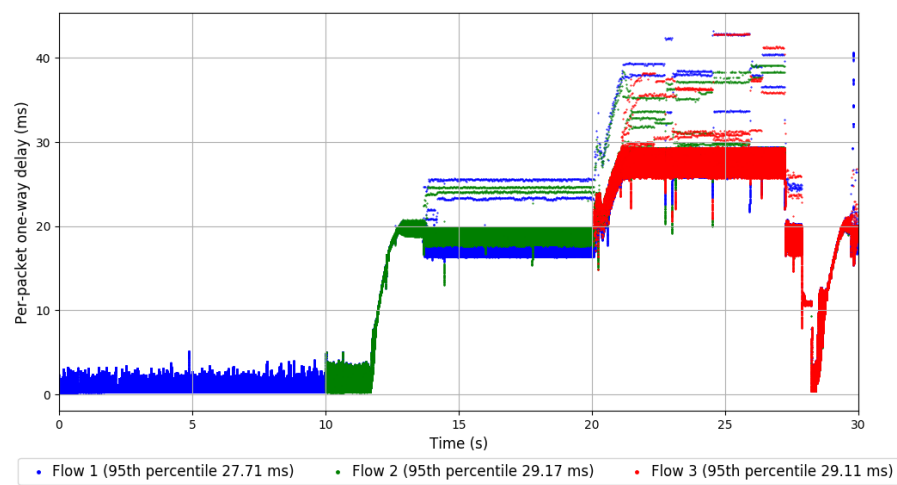
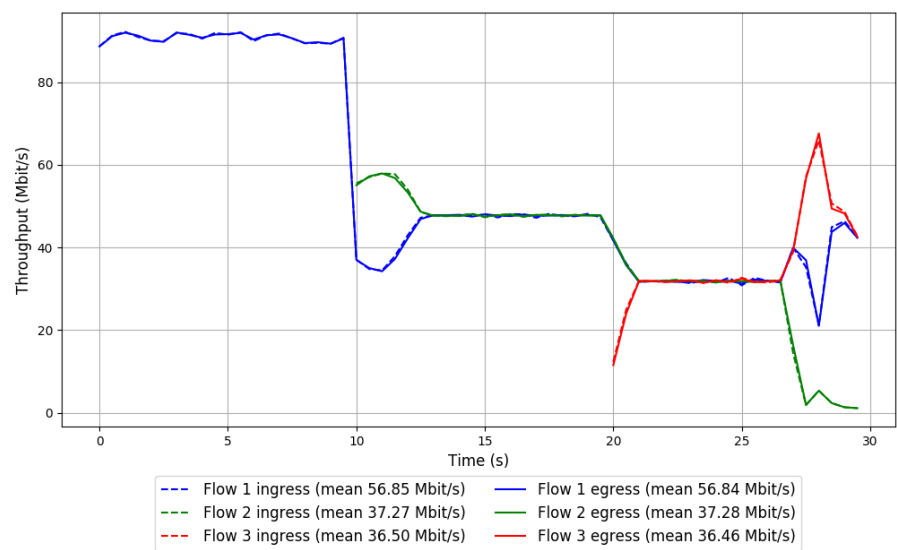


Run 1: Statistics of Copa

Start at: 2018-04-10 18:19:53
End at: 2018-04-10 18:20:23
Local clock offset: -7.322 ms
Remote clock offset: -9.365 ms

Below is generated by plot.py at 2018-04-11 01:14:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 28.929 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 56.84 Mbit/s
95th percentile per-packet one-way delay: 27.711 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.28 Mbit/s
95th percentile per-packet one-way delay: 29.171 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.46 Mbit/s
95th percentile per-packet one-way delay: 29.108 ms
Loss rate: 0.29%

Run 1: Report of Copa — Data Link

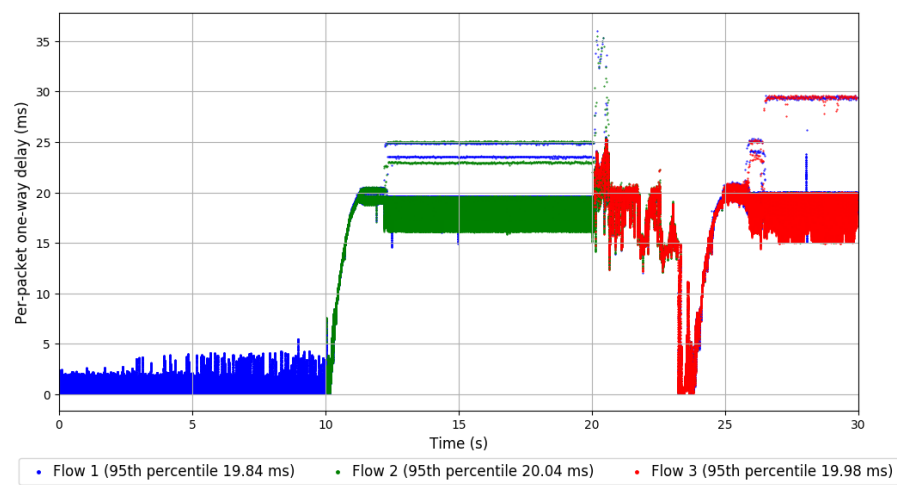
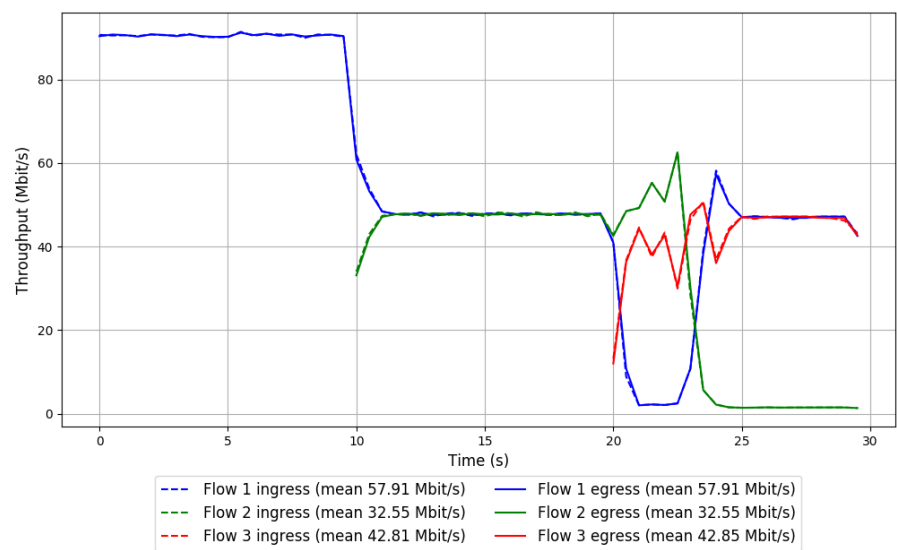


Run 2: Statistics of Copa

Start at: 2018-04-10 18:40:16
End at: 2018-04-10 18:40:46
Local clock offset: -7.584 ms
Remote clock offset: -6.369 ms

Below is generated by plot.py at 2018-04-11 01:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 19.889 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 57.91 Mbit/s
95th percentile per-packet one-way delay: 19.842 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 20.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.85 Mbit/s
95th percentile per-packet one-way delay: 19.975 ms
Loss rate: 0.22%

Run 2: Report of Copa — Data Link

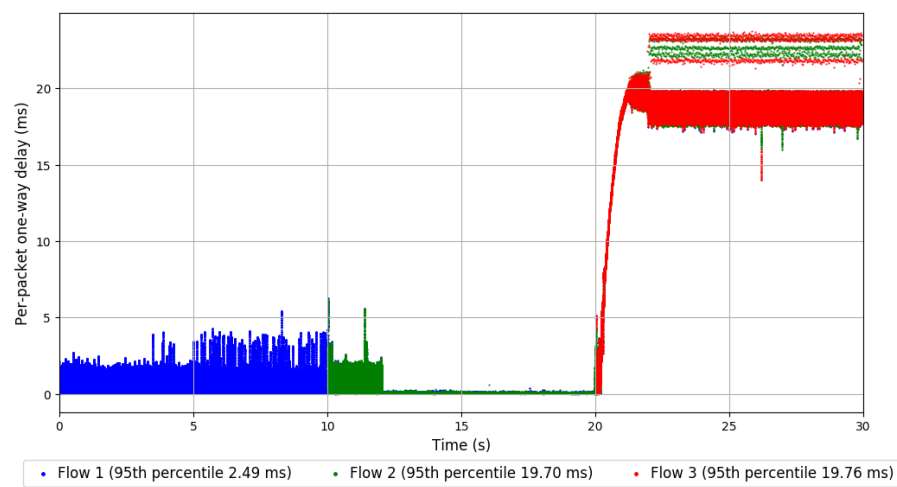
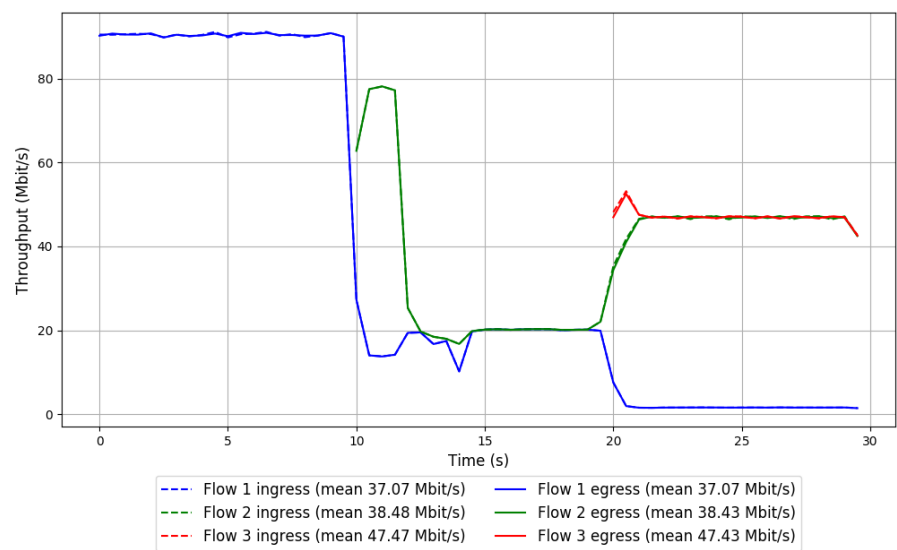


Run 3: Statistics of Copa

Start at: 2018-04-10 19:00:37
End at: 2018-04-10 19:01:07
Local clock offset: -7.365 ms
Remote clock offset: -6.617 ms

Below is generated by plot.py at 2018-04-11 01:15:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 19.652 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 2.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.43 Mbit/s
95th percentile per-packet one-way delay: 19.704 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 19.762 ms
Loss rate: 0.20%

Run 3: Report of Copa — Data Link

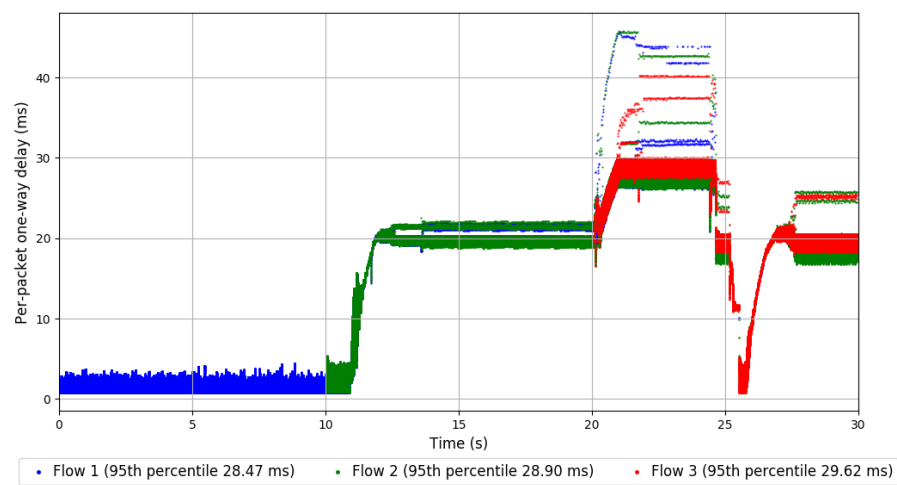
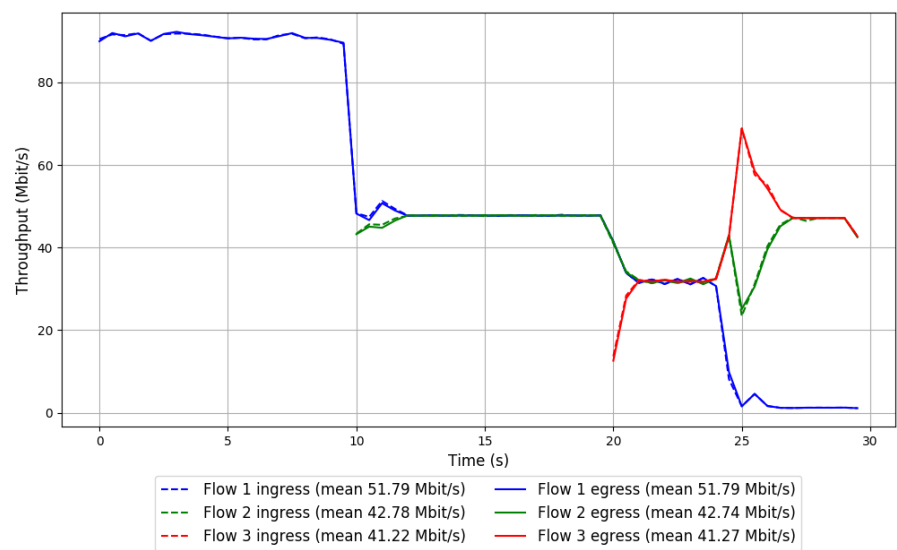


Run 4: Statistics of Copa

Start at: 2018-04-10 19:20:55
End at: 2018-04-10 19:21:25
Local clock offset: -6.333 ms
Remote clock offset: -7.144 ms

Below is generated by plot.py at 2018-04-11 01:15:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 29.317 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 51.79 Mbit/s
95th percentile per-packet one-way delay: 28.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 28.903 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 41.27 Mbit/s
95th percentile per-packet one-way delay: 29.617 ms
Loss rate: 0.22%

Run 4: Report of Copa — Data Link

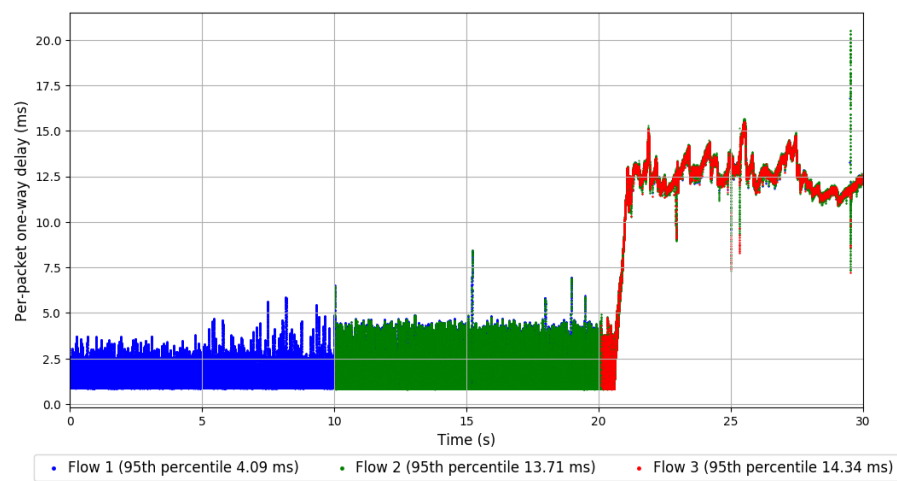
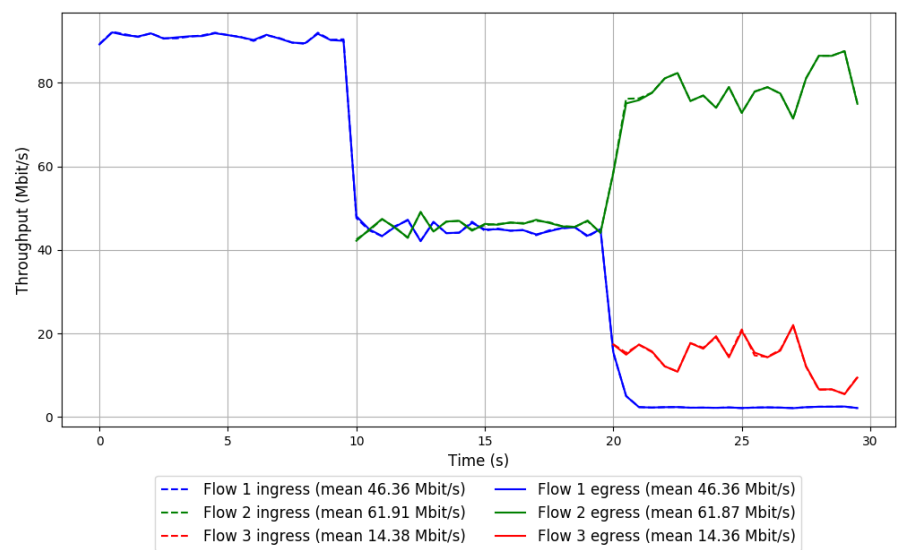


Run 5: Statistics of Copa

Start at: 2018-04-10 19:41:17
End at: 2018-04-10 19:41:47
Local clock offset: -5.788 ms
Remote clock offset: -6.958 ms

Below is generated by plot.py at 2018-04-11 01:15:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 13.407 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 4.094 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.87 Mbit/s
95th percentile per-packet one-way delay: 13.707 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 14.36 Mbit/s
95th percentile per-packet one-way delay: 14.337 ms
Loss rate: 0.12%

Run 5: Report of Copa — Data Link

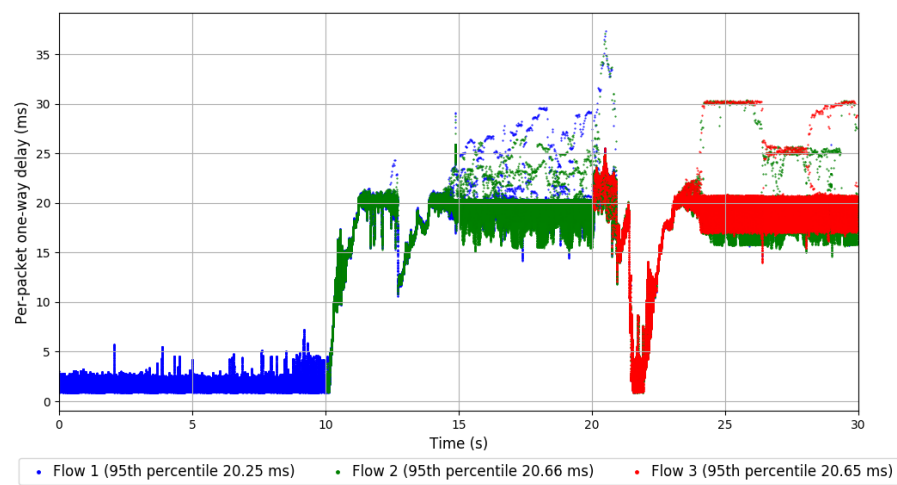
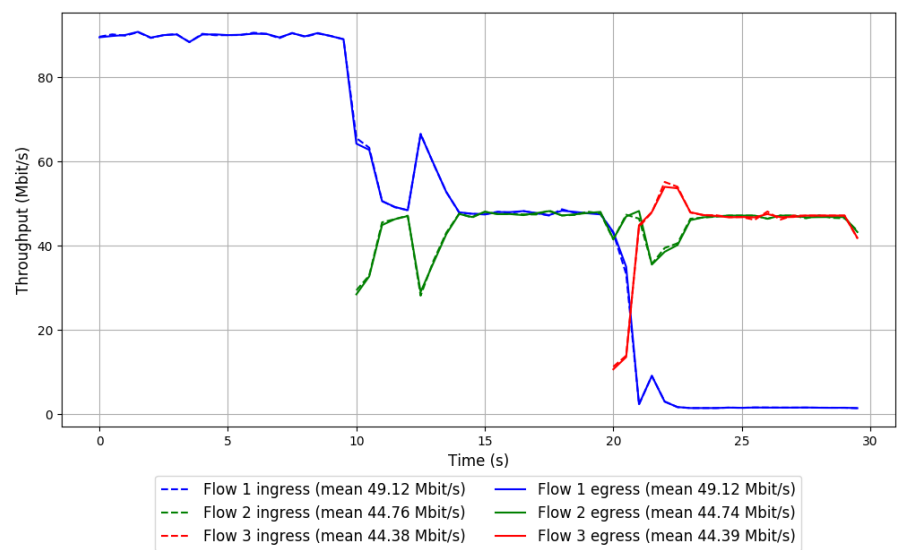


Run 6: Statistics of Copa

Start at: 2018-04-10 20:01:36
End at: 2018-04-10 20:02:06
Local clock offset: -5.992 ms
Remote clock offset: -7.018 ms

Below is generated by plot.py at 2018-04-11 01:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 20.569 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 49.12 Mbit/s
95th percentile per-packet one-way delay: 20.248 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.74 Mbit/s
95th percentile per-packet one-way delay: 20.660 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 20.647 ms
Loss rate: 0.19%

Run 6: Report of Copa — Data Link

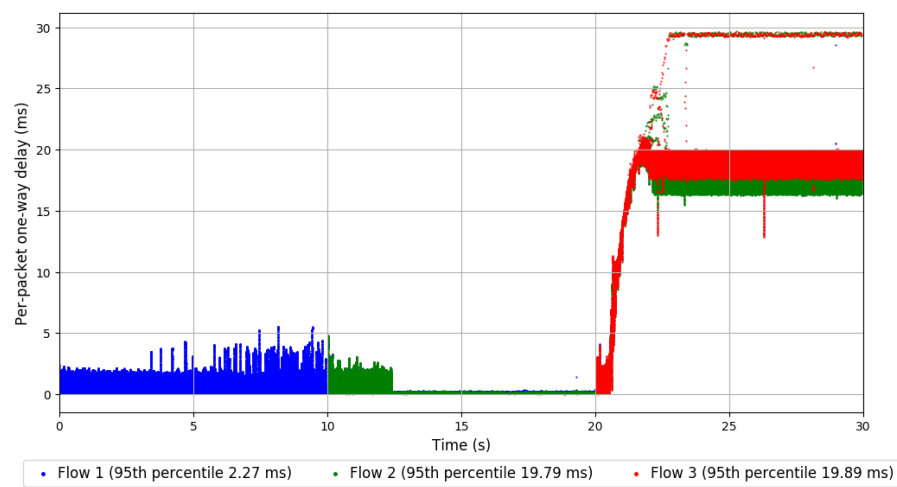
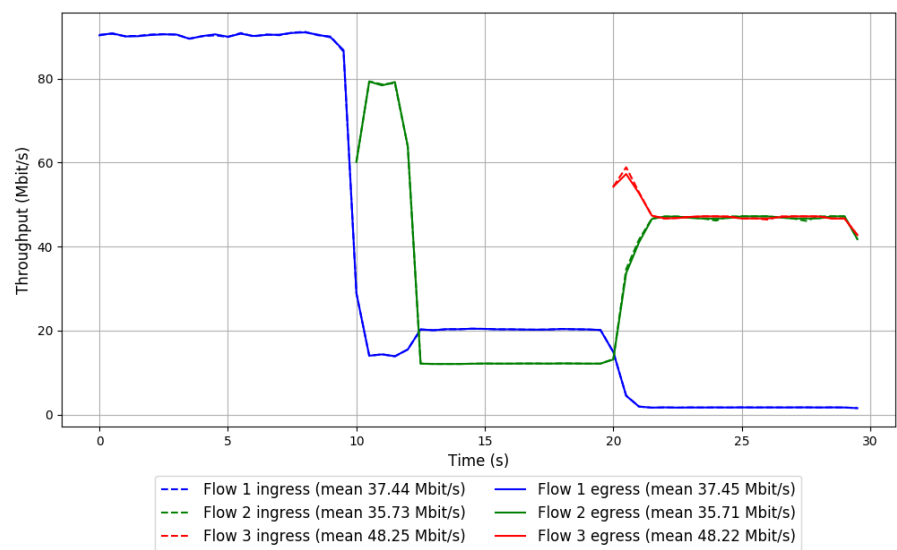


Run 7: Statistics of Copa

Start at: 2018-04-10 20:21:55
End at: 2018-04-10 20:22:25
Local clock offset: -7.014 ms
Remote clock offset: -7.217 ms

Below is generated by plot.py at 2018-04-11 01:15:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 19.804 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 37.45 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 19.792 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.20%

Run 7: Report of Copa — Data Link

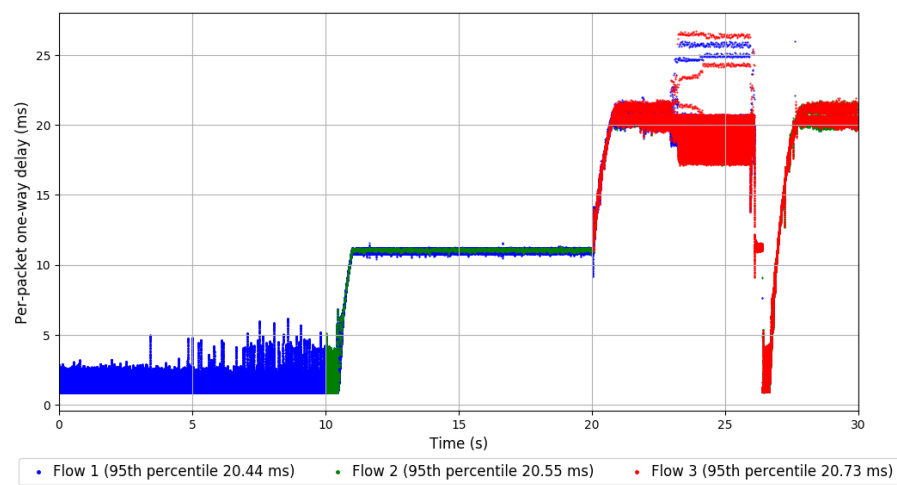
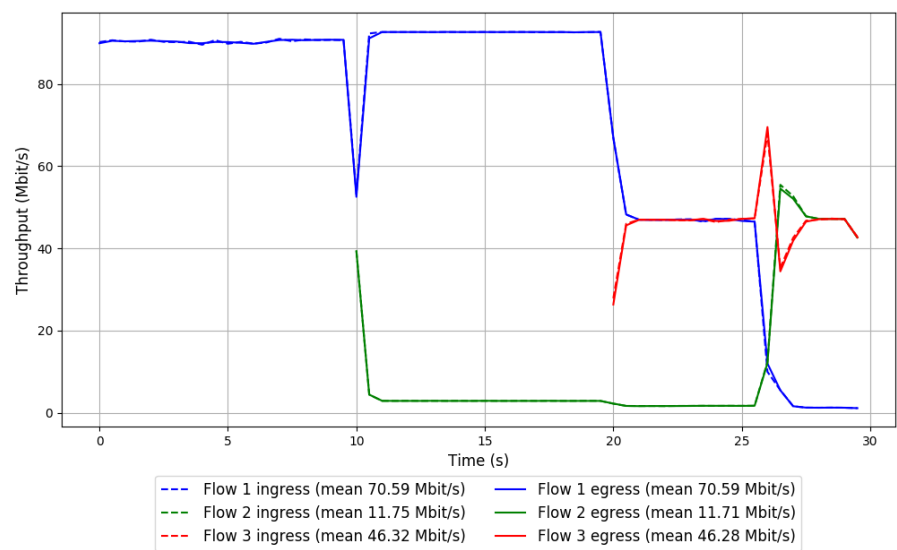


Run 8: Statistics of Copa

Start at: 2018-04-10 20:42:16
End at: 2018-04-10 20:42:46
Local clock offset: -7.264 ms
Remote clock offset: -7.057 ms

Below is generated by plot.py at 2018-04-11 01:15:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 20.547 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 20.437 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.71 Mbit/s
95th percentile per-packet one-way delay: 20.550 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 20.726 ms
Loss rate: 0.22%

Run 8: Report of Copa — Data Link

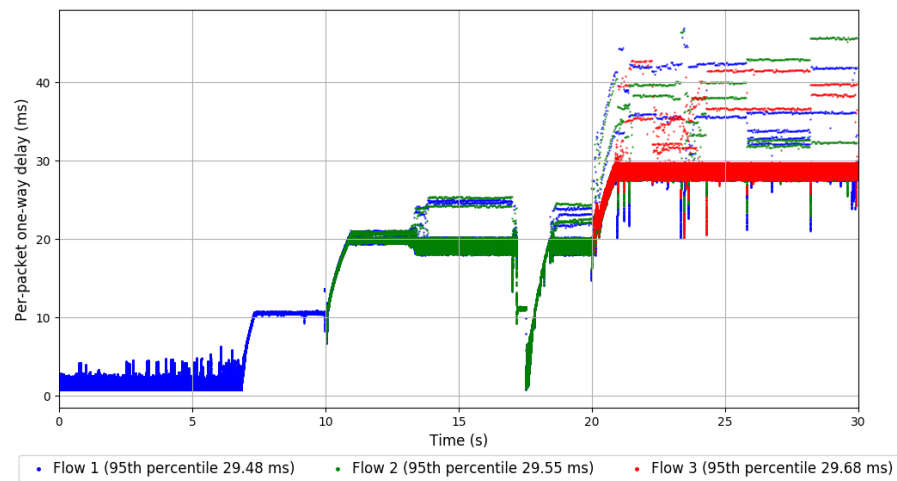
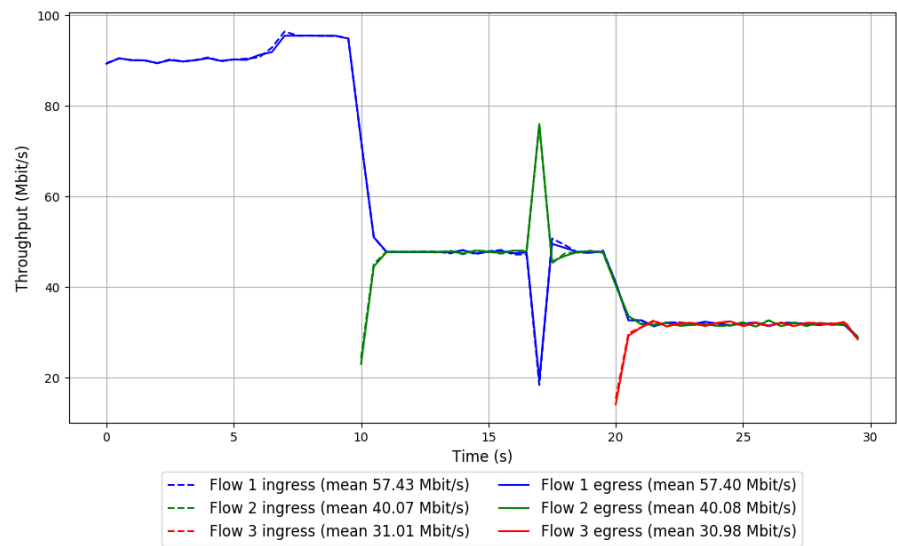


Run 9: Statistics of Copa

Start at: 2018-04-10 21:02:35
End at: 2018-04-10 21:03:05
Local clock offset: -7.638 ms
Remote clock offset: -6.915 ms

Below is generated by plot.py at 2018-04-11 01:17:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.28 Mbit/s
95th percentile per-packet one-way delay: 29.572 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 29.476 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.08 Mbit/s
95th percentile per-packet one-way delay: 29.552 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 29.679 ms
Loss rate: 0.32%

Run 9: Report of Copa — Data Link

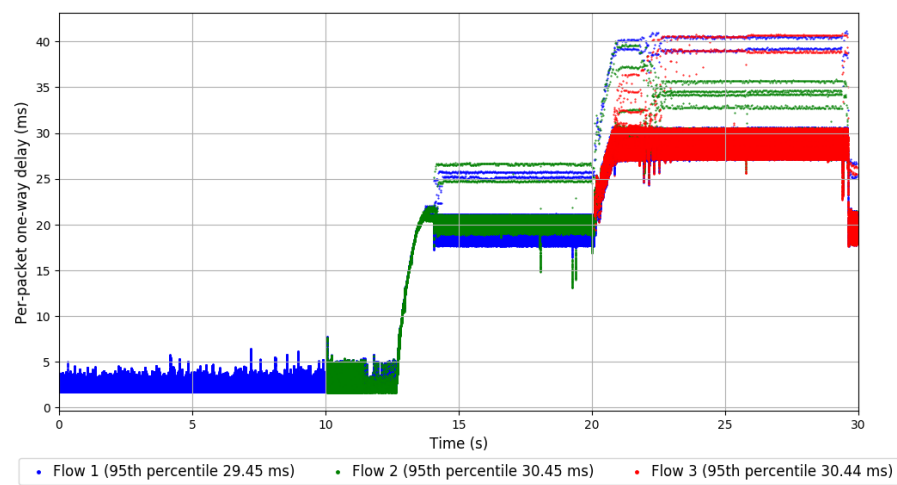
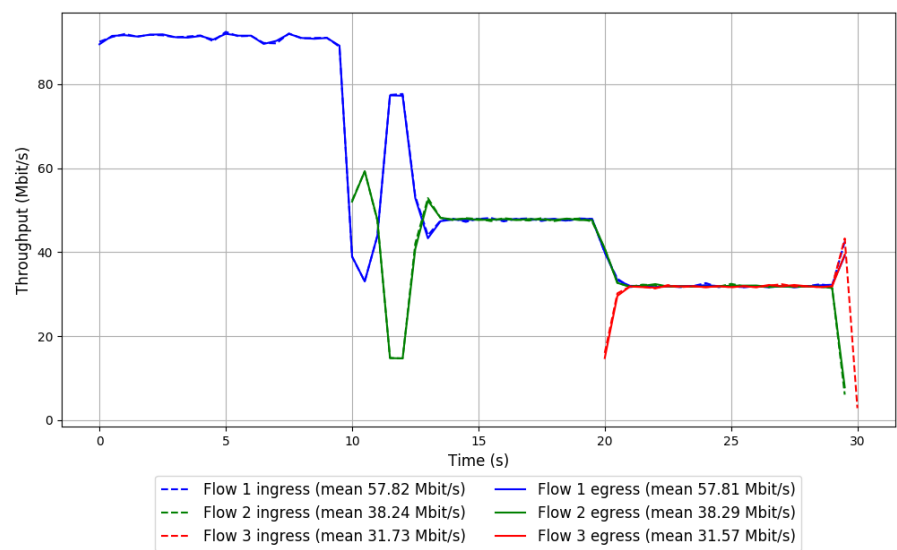


Run 10: Statistics of Copa

Start at: 2018-04-10 21:22:54
End at: 2018-04-10 21:23:24
Local clock offset: -6.372 ms
Remote clock offset: -6.955 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 30.358 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 29.450 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 30.451 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 30.439 ms
Loss rate: 1.34%

Run 10: Report of Copa — Data Link

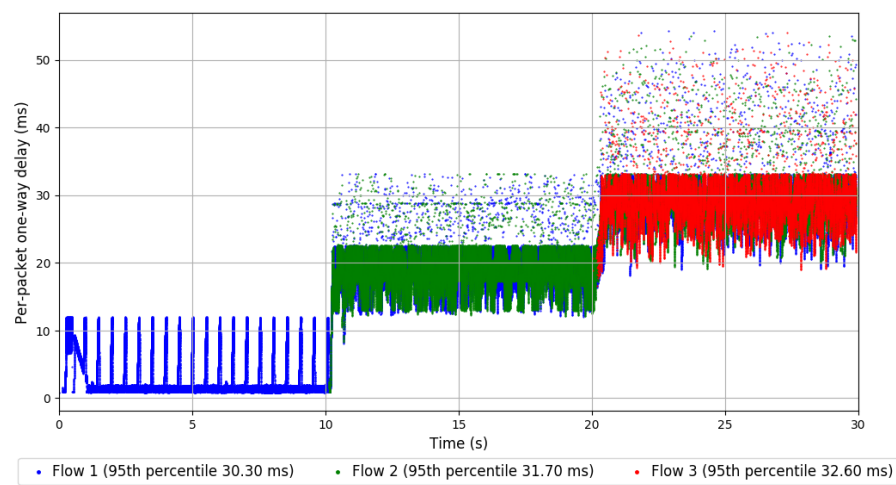
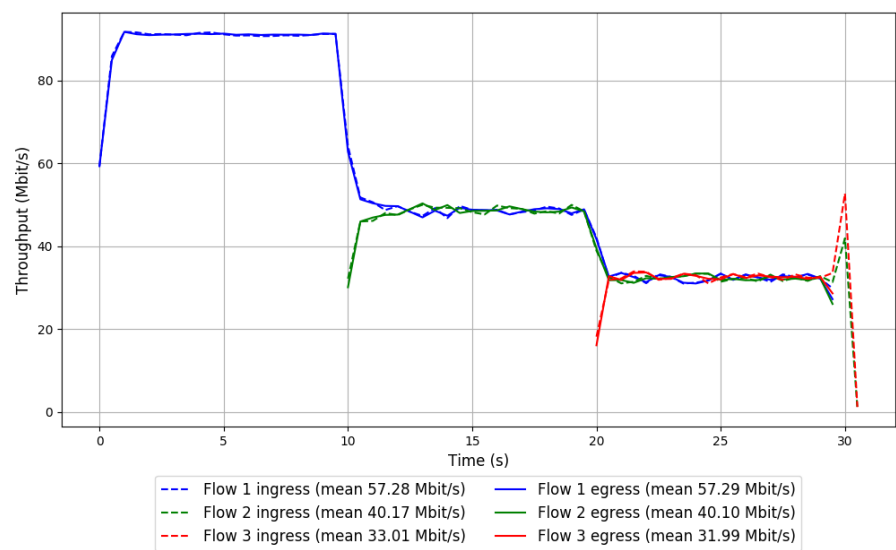


Run 1: Statistics of FillP

Start at: 2018-04-10 18:13:10
End at: 2018-04-10 18:13:40
Local clock offset: -6.32 ms
Remote clock offset: -9.469 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 31.422 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 57.29 Mbit/s
95th percentile per-packet one-way delay: 30.301 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.10 Mbit/s
95th percentile per-packet one-way delay: 31.703 ms
Loss rate: 3.06%
-- Flow 3:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 32.596 ms
Loss rate: 8.78%

Run 1: Report of FillP — Data Link

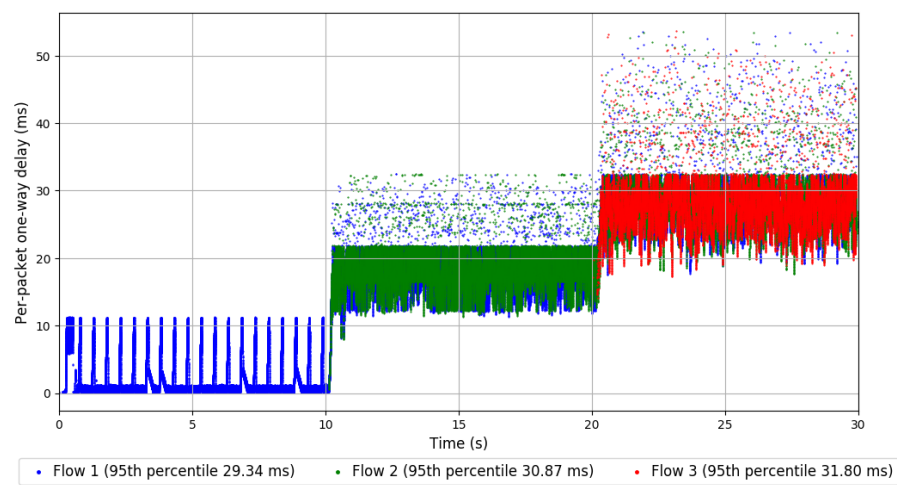
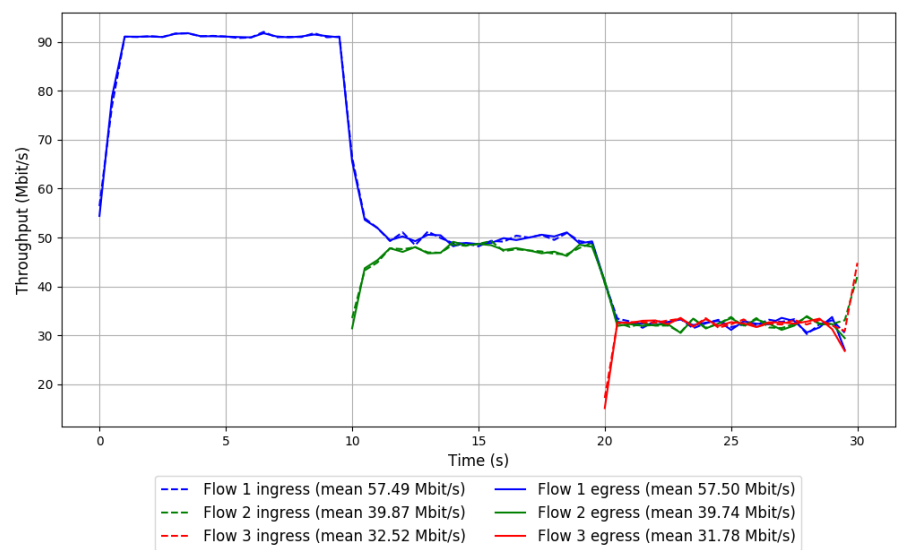


Run 2: Statistics of FillP

Start at: 2018-04-10 18:33:30
End at: 2018-04-10 18:34:00
Local clock offset: -7.557 ms
Remote clock offset: -6.792 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 30.511 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 57.50 Mbit/s
95th percentile per-packet one-way delay: 29.345 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 30.873 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 31.802 ms
Loss rate: 7.50%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-10 18:53:53

End at: 2018-04-10 18:54:23

Local clock offset: -5.837 ms

Remote clock offset: -6.19 ms

Below is generated by plot.py at 2018-04-11 01:17:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 32.069 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 57.32 Mbit/s

95th percentile per-packet one-way delay: 30.954 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 40.25 Mbit/s

95th percentile per-packet one-way delay: 32.279 ms

Loss rate: 0.97%

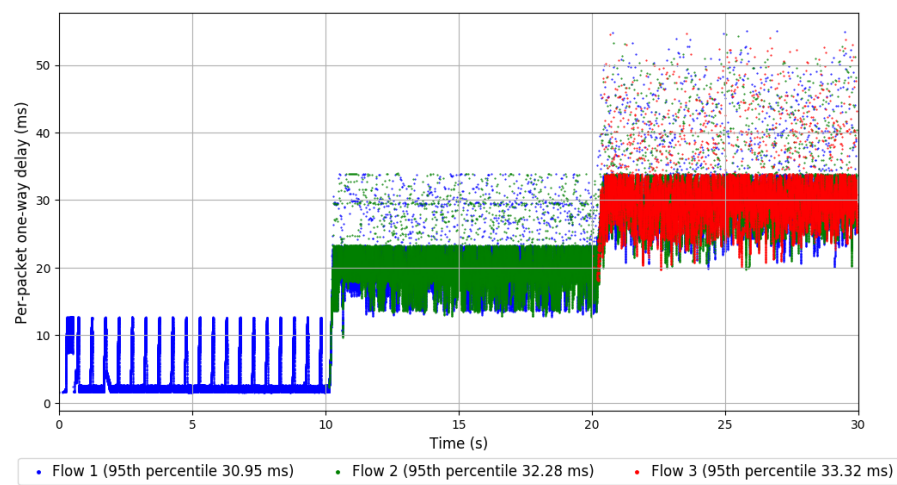
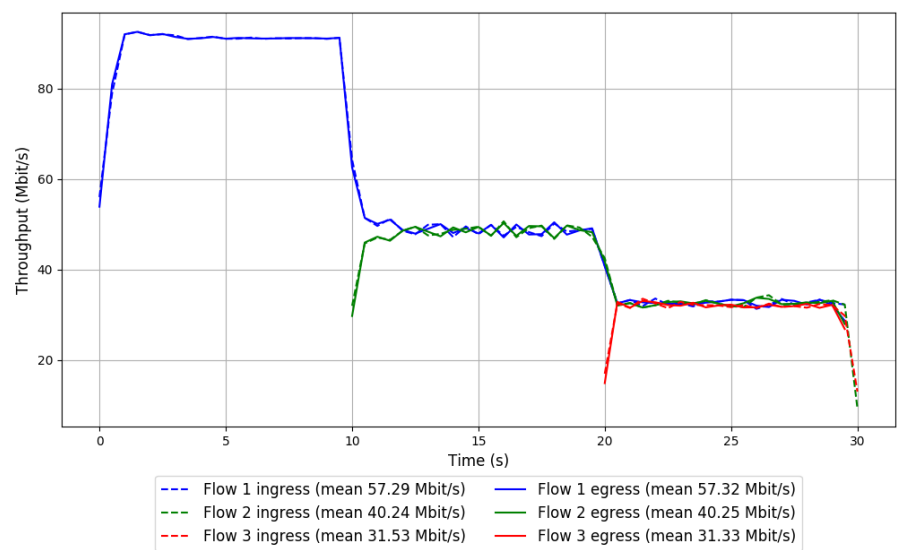
-- Flow 3:

Average throughput: 31.33 Mbit/s

95th percentile per-packet one-way delay: 33.323 ms

Loss rate: 2.81%

Run 3: Report of FillP — Data Link

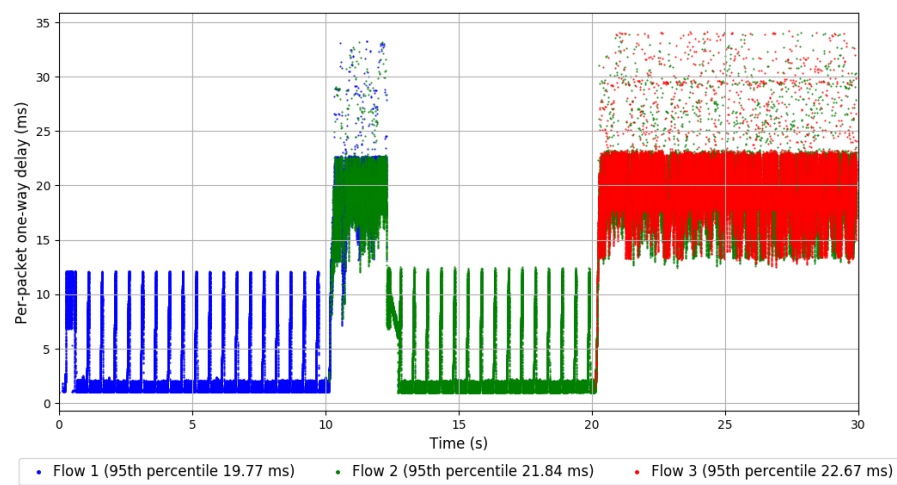
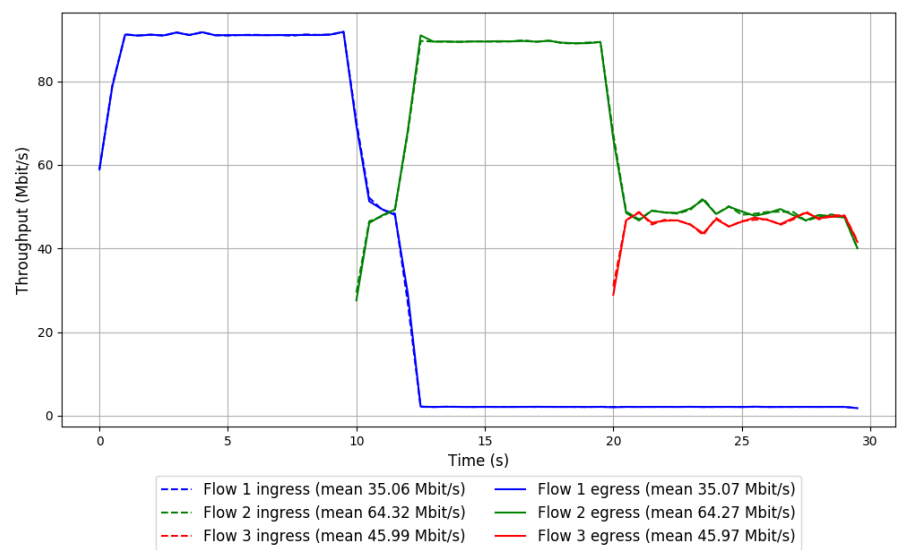


Run 4: Statistics of FillP

Start at: 2018-04-10 19:14:12
End at: 2018-04-10 19:14:42
Local clock offset: -6.474 ms
Remote clock offset: -7.094 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 21.893 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 64.27 Mbit/s
95th percentile per-packet one-way delay: 21.835 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.97 Mbit/s
95th percentile per-packet one-way delay: 22.669 ms
Loss rate: 0.22%

Run 4: Report of FillP — Data Link

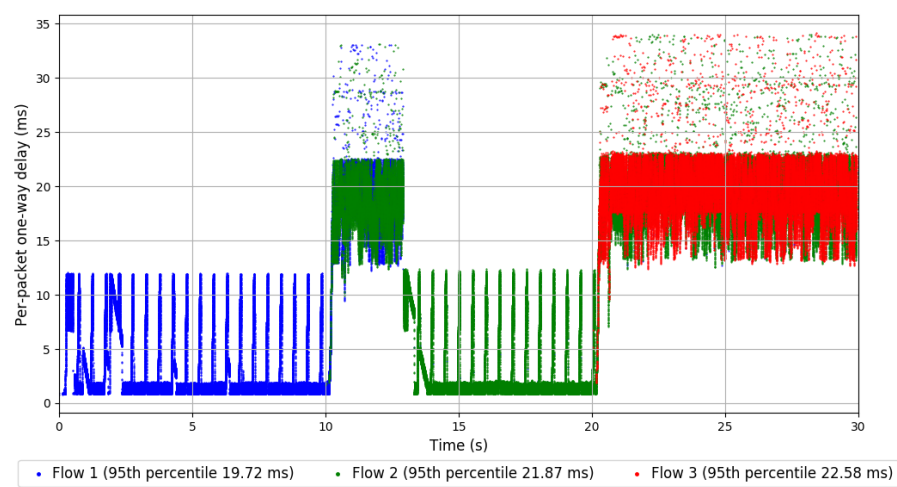
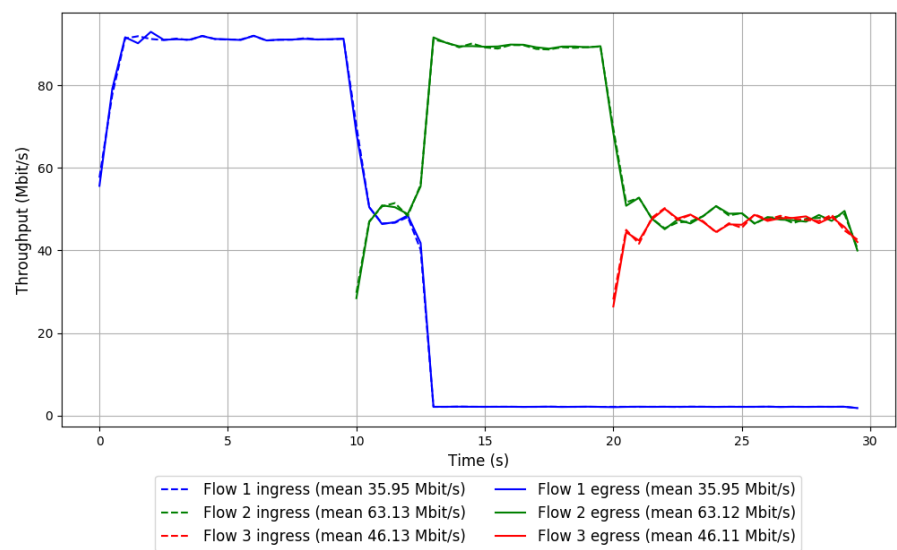


Run 5: Statistics of FillP

Start at: 2018-04-10 19:34:34
End at: 2018-04-10 19:35:04
Local clock offset: -5.864 ms
Remote clock offset: -7.003 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.19 Mbit/s
95th percentile per-packet one-way delay: 21.853 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 35.95 Mbit/s
95th percentile per-packet one-way delay: 19.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.12 Mbit/s
95th percentile per-packet one-way delay: 21.870 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 22.582 ms
Loss rate: 0.23%

Run 5: Report of FillP — Data Link

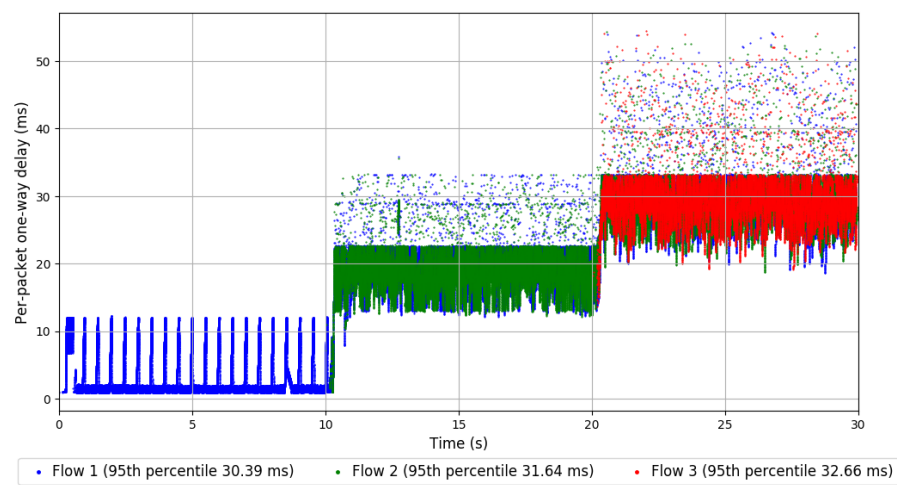
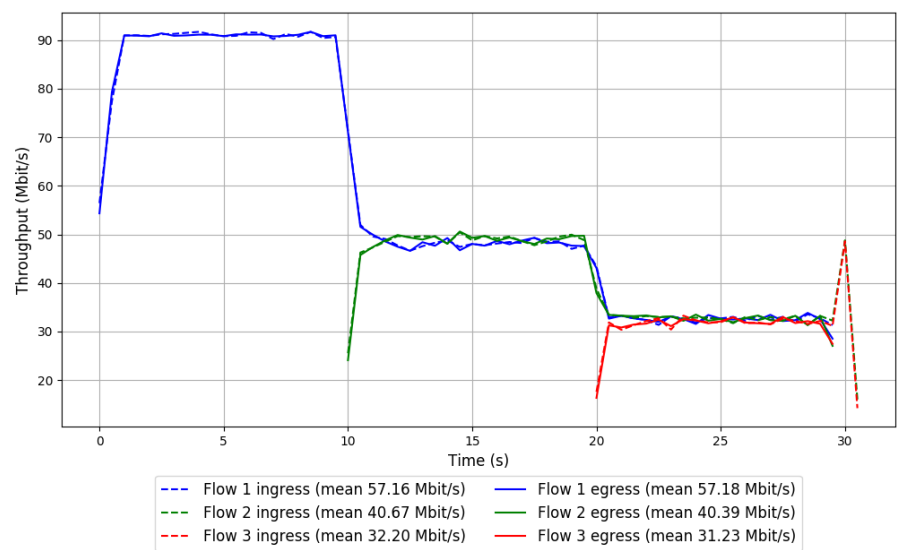


Run 6: Statistics of FillP

Start at: 2018-04-10 19:54:53
End at: 2018-04-10 19:55:23
Local clock offset: -5.791 ms
Remote clock offset: -6.975 ms

Below is generated by plot.py at 2018-04-11 01:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 31.490 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 30.387 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 31.643 ms
Loss rate: 4.29%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 32.658 ms
Loss rate: 10.00%

Run 6: Report of FillP — Data Link

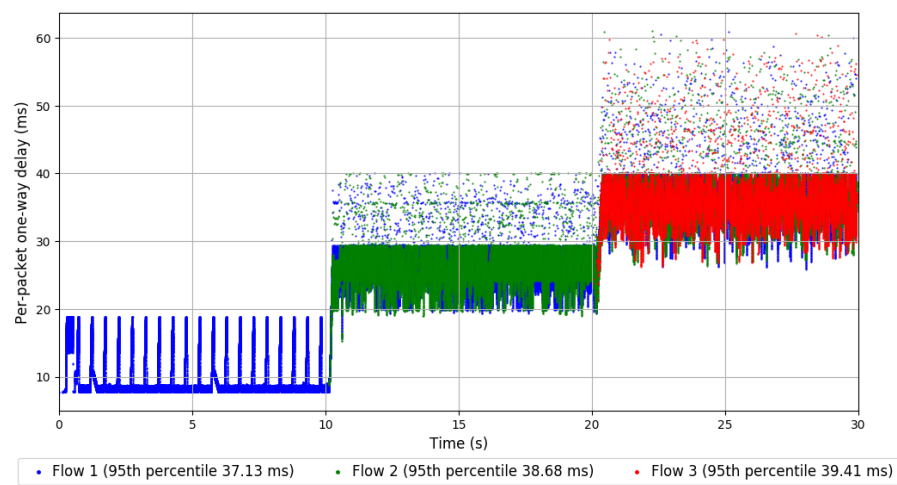
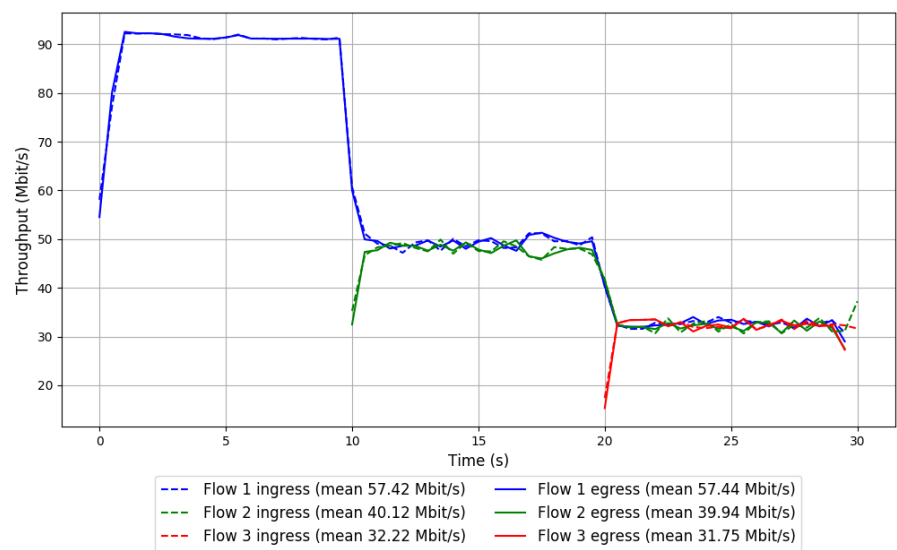


Run 7: Statistics of FillP

Start at: 2018-04-10 20:15:11
End at: 2018-04-10 20:15:41
Local clock offset: -5.415 ms
Remote clock offset: -13.336 ms

Below is generated by plot.py at 2018-04-11 01:18:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 38.282 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 57.44 Mbit/s
95th percentile per-packet one-way delay: 37.131 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 38.682 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 31.75 Mbit/s
95th percentile per-packet one-way delay: 39.413 ms
Loss rate: 5.85%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-10 20:35:30

End at: 2018-04-10 20:36:00

Local clock offset: -7.076 ms

Remote clock offset: -7.3 ms

Below is generated by plot.py at 2018-04-11 01:18:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 31.457 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 30.463 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 39.57 Mbit/s

95th percentile per-packet one-way delay: 31.605 ms

Loss rate: 3.51%

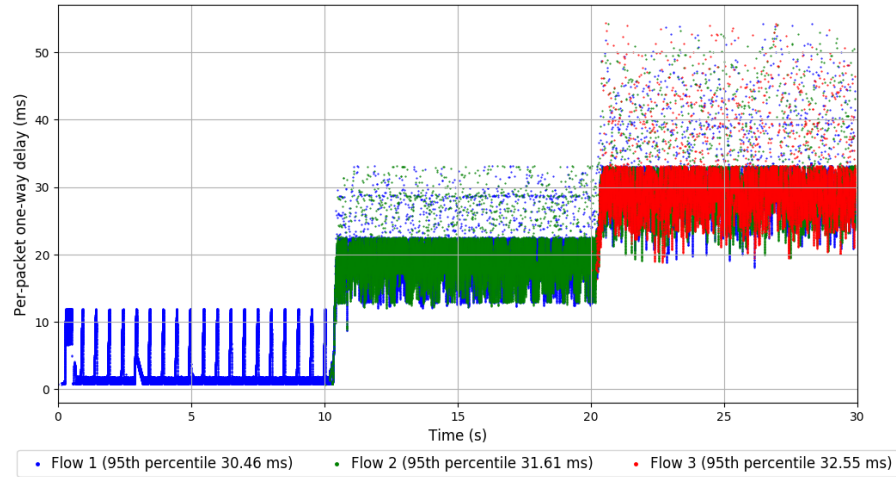
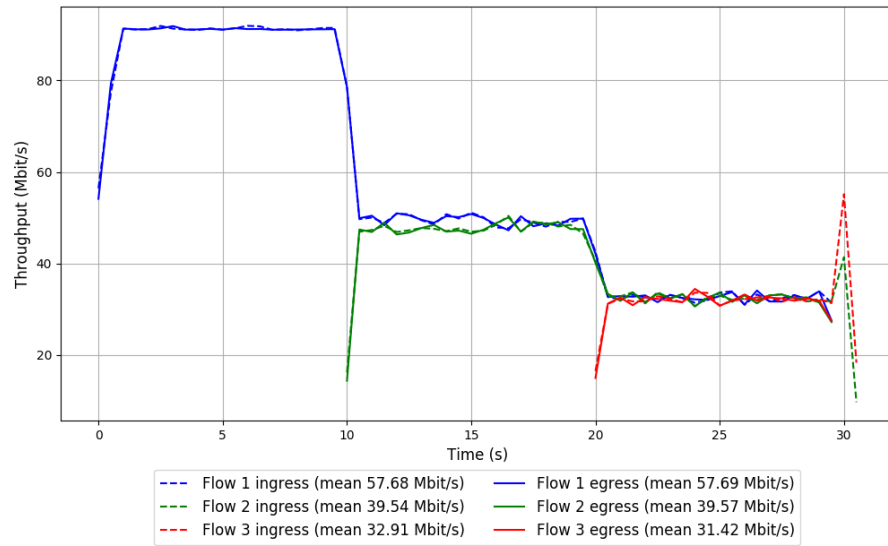
-- Flow 3:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 32.549 ms

Loss rate: 11.30%

Run 8: Report of FillP — Data Link

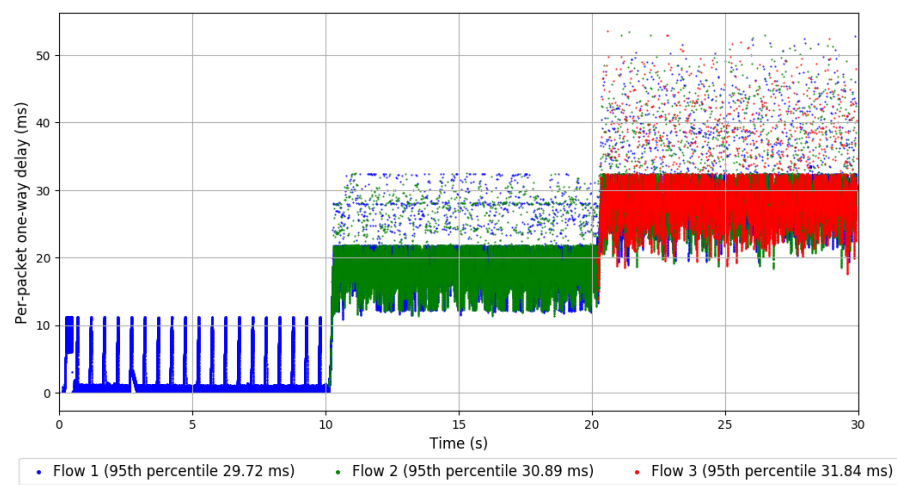
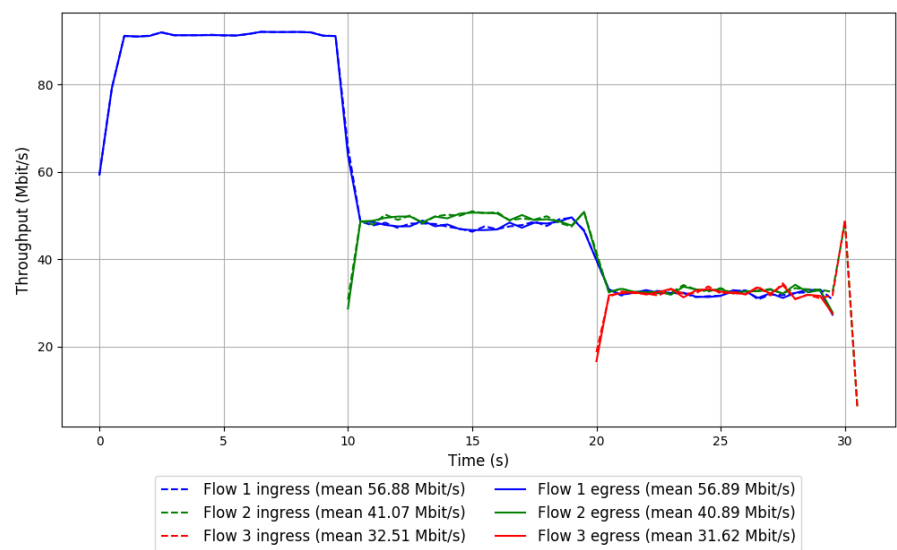


Run 9: Statistics of FillP

Start at: 2018-04-10 20:55:49
End at: 2018-04-10 20:56:19
Local clock offset: -8.37 ms
Remote clock offset: -6.904 ms

Below is generated by plot.py at 2018-04-11 01:18:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 30.659 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 29.721 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 30.885 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 31.843 ms
Loss rate: 8.84%

Run 9: Report of FillP — Data Link

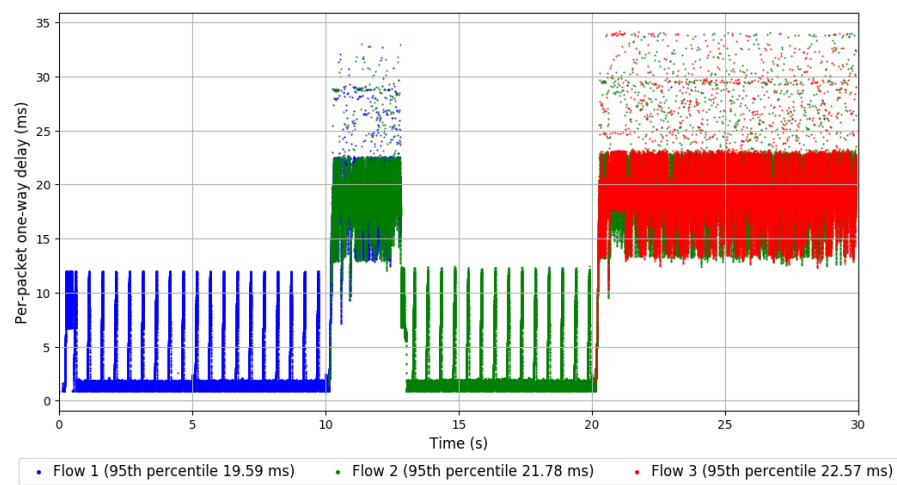
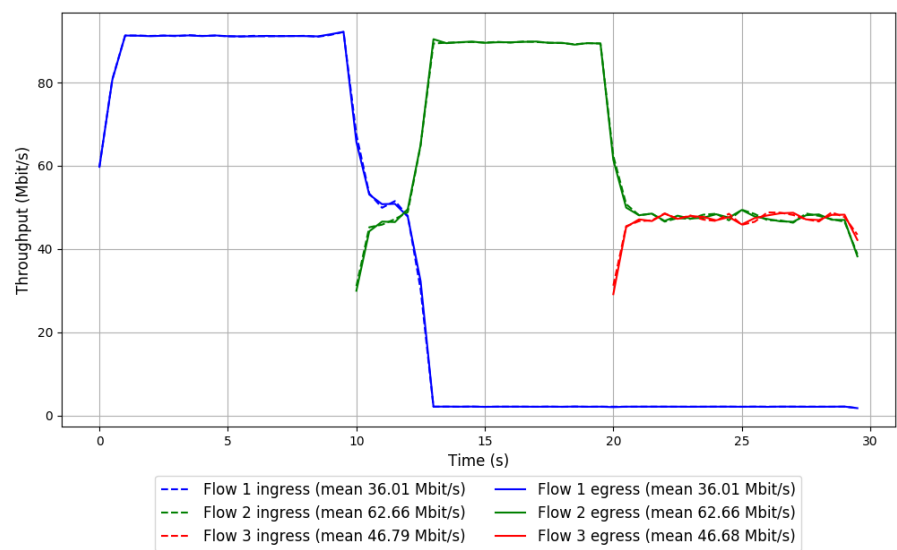


Run 10: Statistics of FillP

Start at: 2018-04-10 21:16:11
End at: 2018-04-10 21:16:41
Local clock offset: -7.217 ms
Remote clock offset: -7.041 ms

Below is generated by plot.py at 2018-04-11 01:18:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 21.726 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 19.586 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 21.779 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 22.572 ms
Loss rate: 0.27%

Run 10: Report of FillP — Data Link

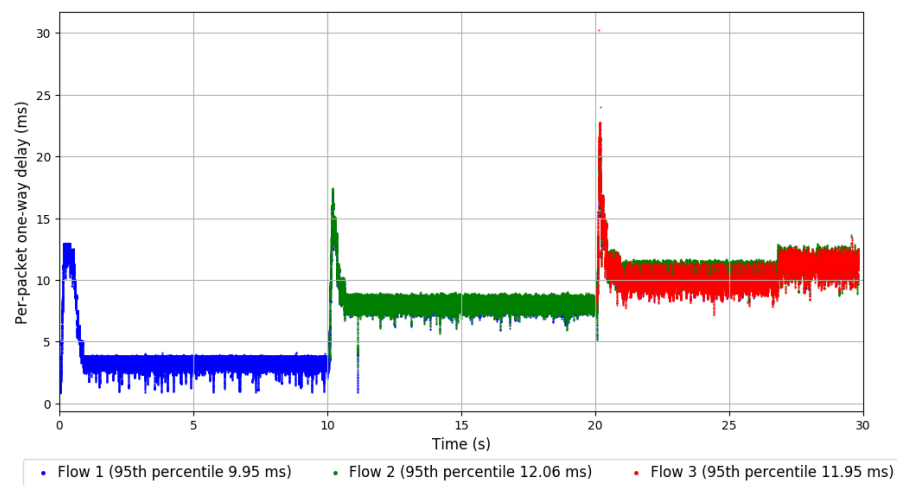
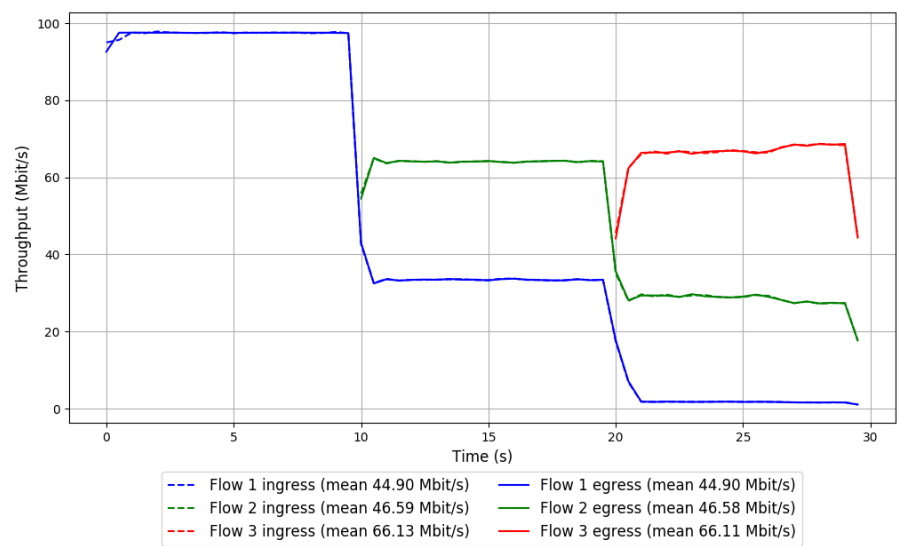


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 18:10:51
End at: 2018-04-10 18:11:21
Local clock offset: -6.205 ms
Remote clock offset: -9.389 ms

Below is generated by plot.py at 2018-04-11 01:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 11.848 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 9.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 12.056 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.11 Mbit/s
95th percentile per-packet one-way delay: 11.950 ms
Loss rate: 0.12%

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

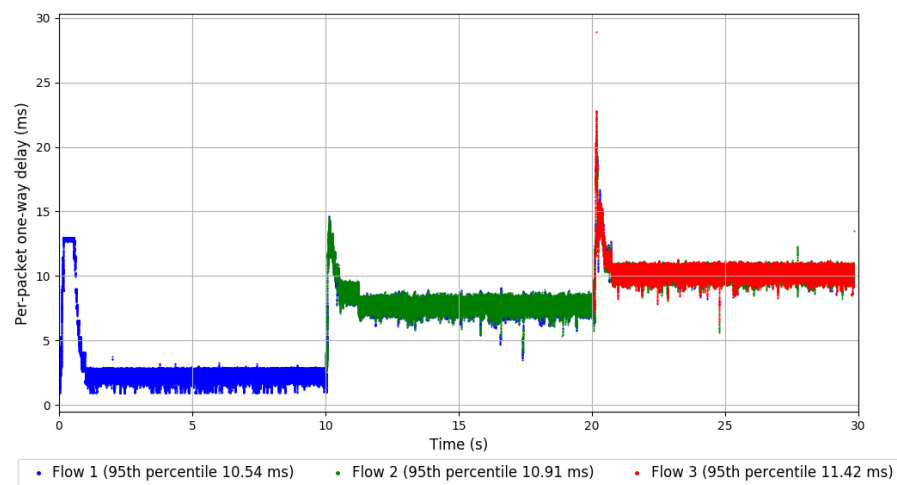
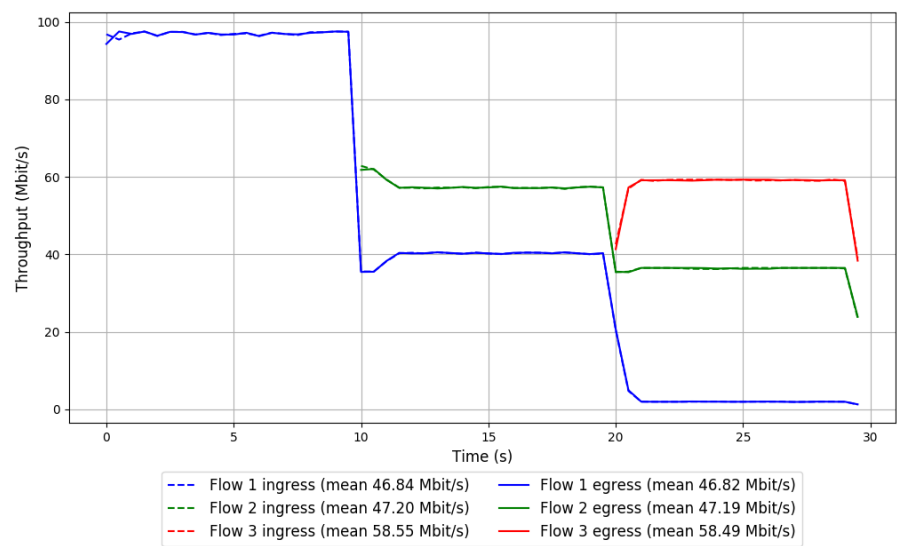


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 18:31:12
End at: 2018-04-10 18:31:42
Local clock offset: -6.695 ms
Remote clock offset: -7.054 ms

Below is generated by plot.py at 2018-04-11 01:18:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 10.940 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.82 Mbit/s
95th percentile per-packet one-way delay: 10.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 10.909 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 58.49 Mbit/s
95th percentile per-packet one-way delay: 11.423 ms
Loss rate: 0.13%

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

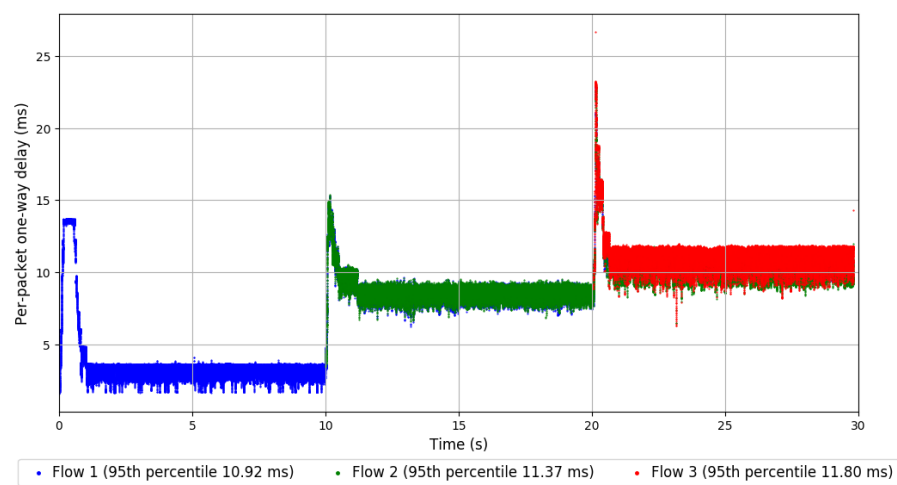
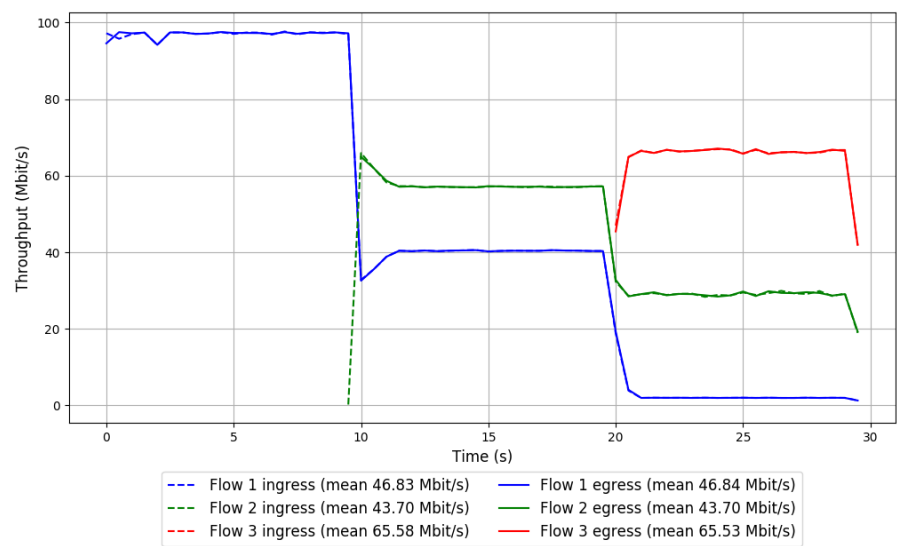


Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 18:51:34
End at: 2018-04-10 18:52:04
Local clock offset: -5.858 ms
Remote clock offset: -6.145 ms

Below is generated by plot.py at 2018-04-11 01:19:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 11.727 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 10.924 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 11.370 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 11.799 ms
Loss rate: 0.10%

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

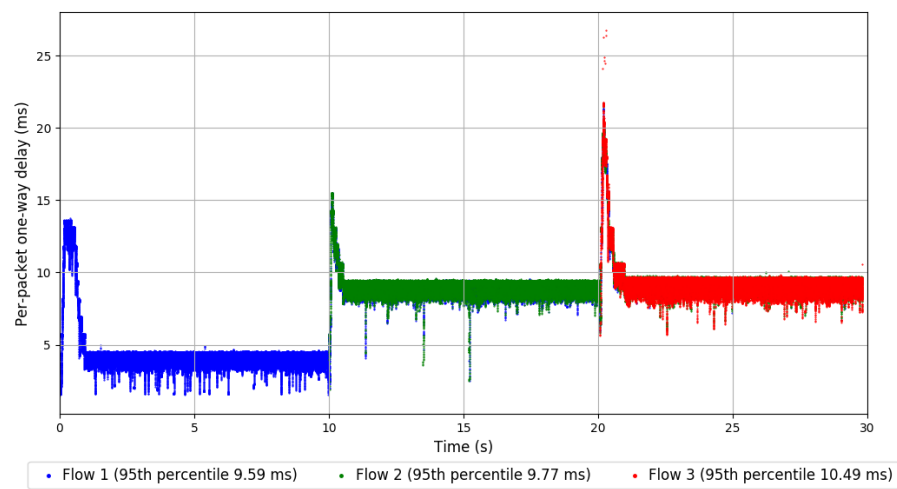
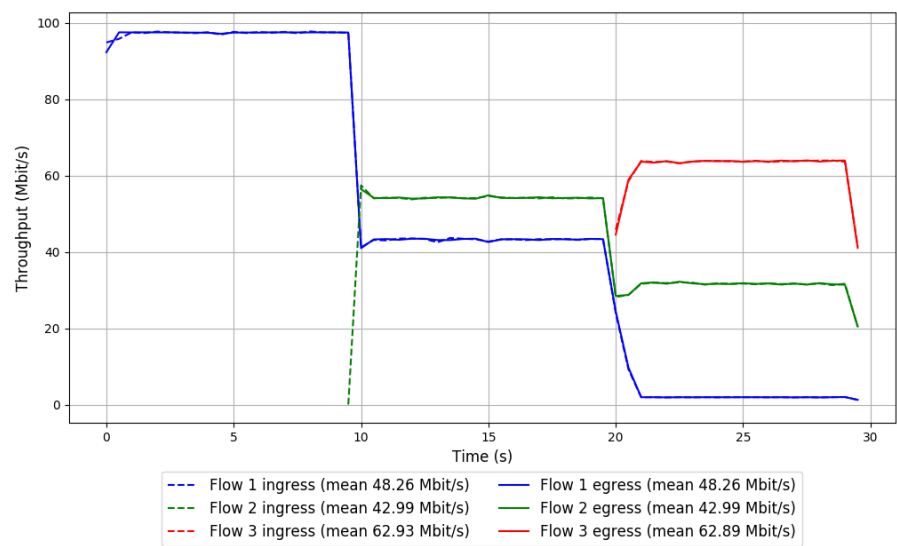


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 19:11:53
End at: 2018-04-10 19:12:23
Local clock offset: -5.774 ms
Remote clock offset: -6.976 ms

Below is generated by plot.py at 2018-04-11 01:19:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 10.081 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: 9.591 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 9.774 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 10.487 ms
Loss rate: 0.10%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 19:32:15

End at: 2018-04-10 19:32:45

Local clock offset: -5.171 ms

Remote clock offset: -7.06 ms

Below is generated by plot.py at 2018-04-11 01:19:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.99 Mbit/s

95th percentile per-packet one-way delay: 12.262 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 10.486 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 11.989 ms

Loss rate: 0.00%

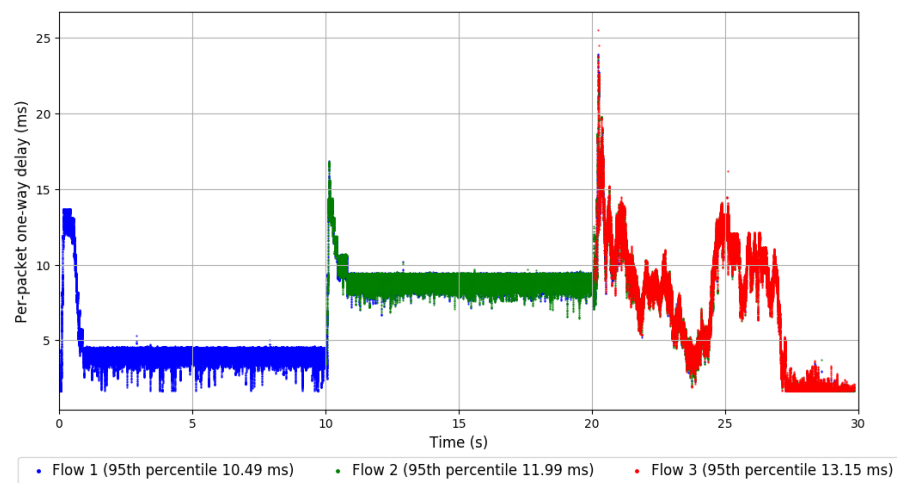
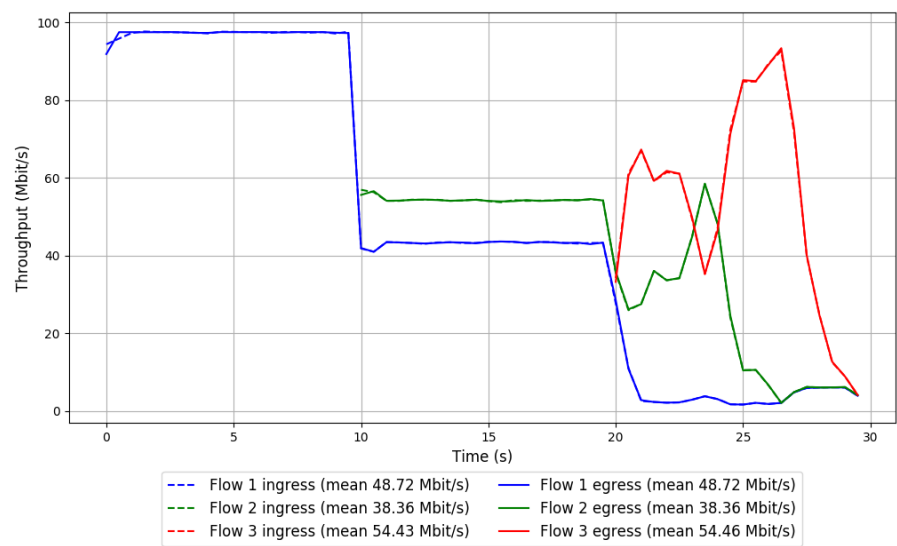
-- Flow 3:

Average throughput: 54.46 Mbit/s

95th percentile per-packet one-way delay: 13.154 ms

Loss rate: 0.00%

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

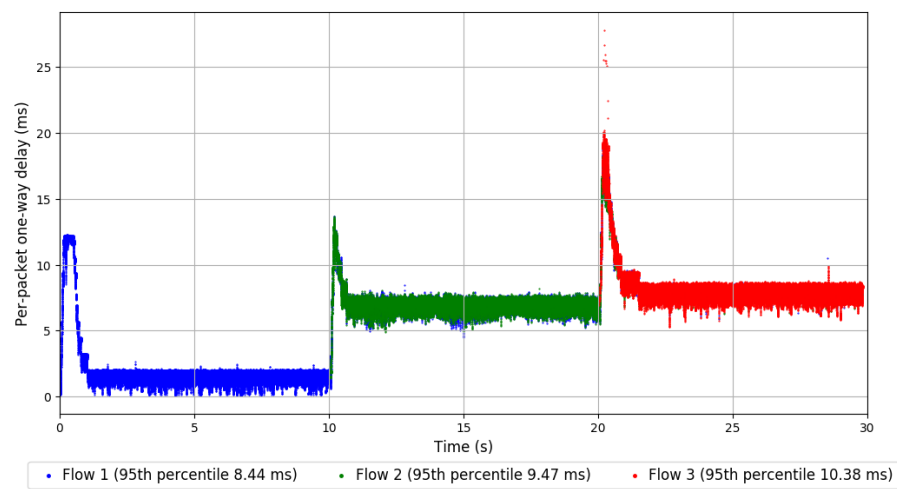
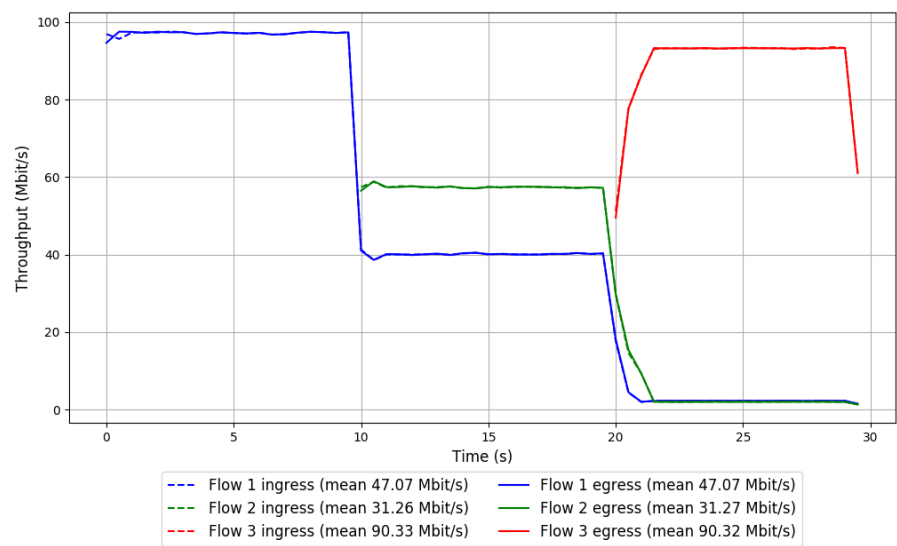


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 19:52:34
End at: 2018-04-10 19:53:04
Local clock offset: -6.476 ms
Remote clock offset: -6.974 ms

Below is generated by plot.py at 2018-04-11 01:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 9.362 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.07 Mbit/s
95th percentile per-packet one-way delay: 8.439 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 9.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 90.32 Mbit/s
95th percentile per-packet one-way delay: 10.377 ms
Loss rate: 0.10%

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

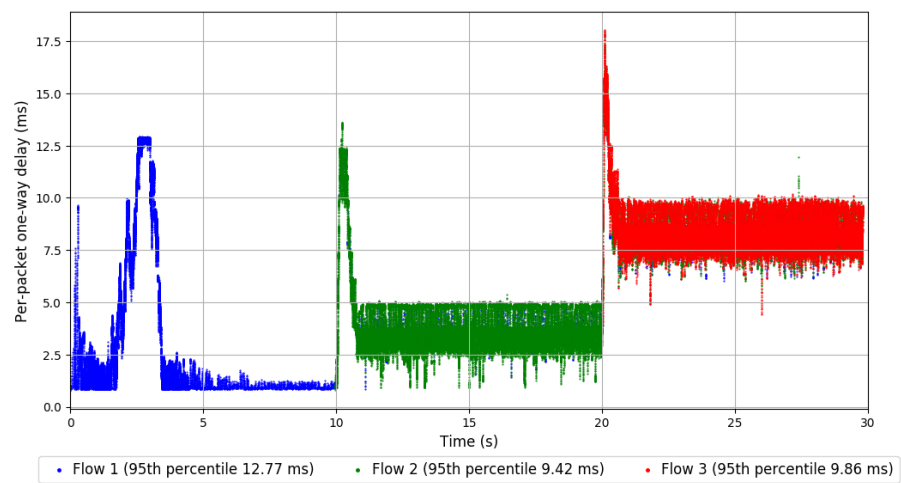
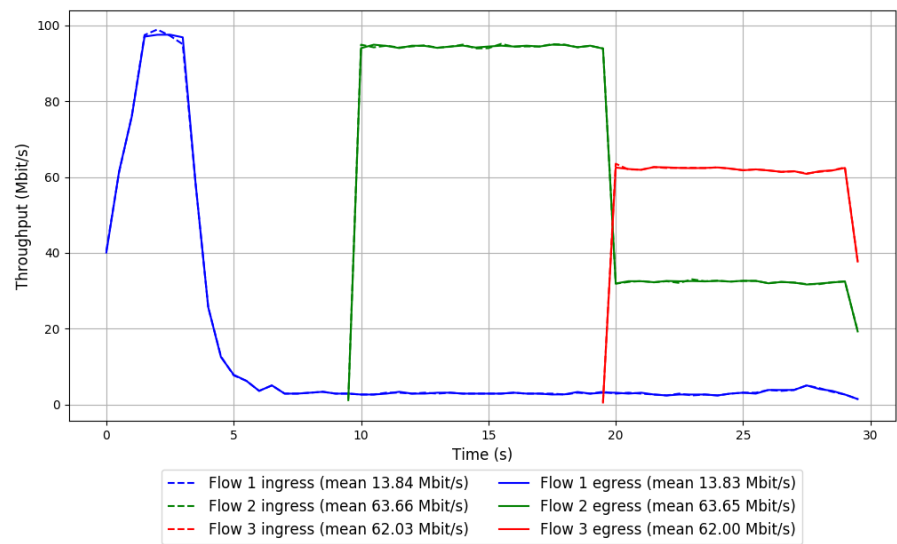


Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 20:12:54
End at: 2018-04-10 20:13:24
Local clock offset: -6.14 ms
Remote clock offset: -7.115 ms

Below is generated by plot.py at 2018-04-11 01:19:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 10.521 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 12.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 9.421 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 9.860 ms
Loss rate: 0.09%

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

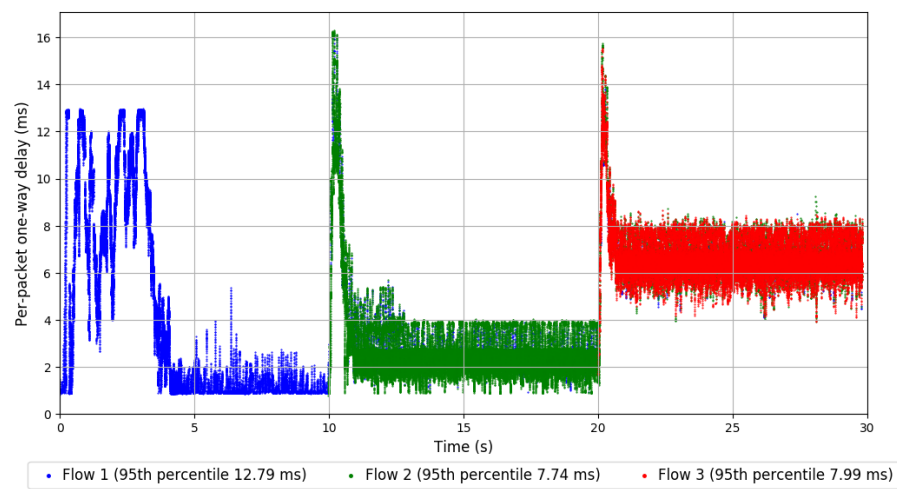
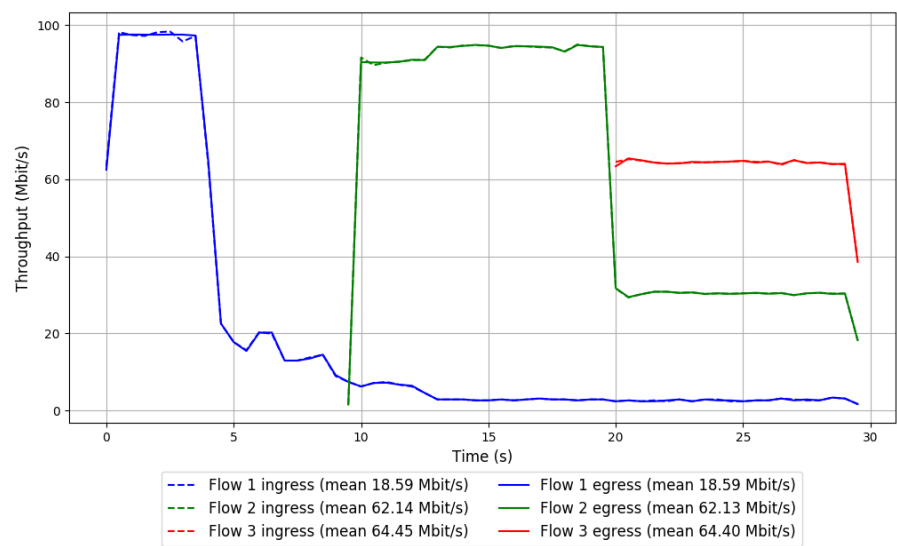


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 20:33:11
End at: 2018-04-10 20:33:41
Local clock offset: -6.933 ms
Remote clock offset: -7.304 ms

Below is generated by plot.py at 2018-04-11 01:19:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 11.256 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 12.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.13 Mbit/s
95th percentile per-packet one-way delay: 7.742 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 64.40 Mbit/s
95th percentile per-packet one-way delay: 7.994 ms
Loss rate: 0.07%

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

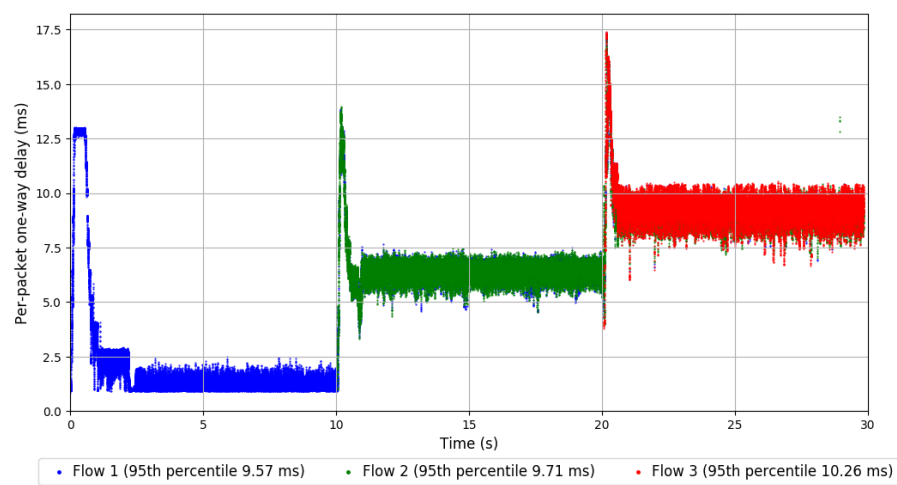
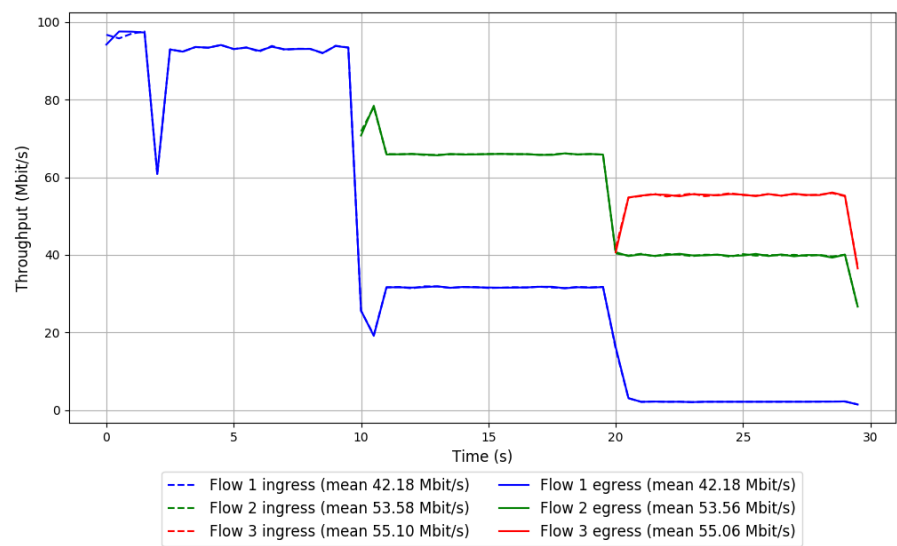


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 20:53:30
End at: 2018-04-10 20:54:00
Local clock offset: -7.598 ms
Remote clock offset: -6.947 ms

Below is generated by plot.py at 2018-04-11 01:20:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 9.949 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 42.18 Mbit/s
95th percentile per-packet one-way delay: 9.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 9.706 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 55.06 Mbit/s
95th percentile per-packet one-way delay: 10.260 ms
Loss rate: 0.11%

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

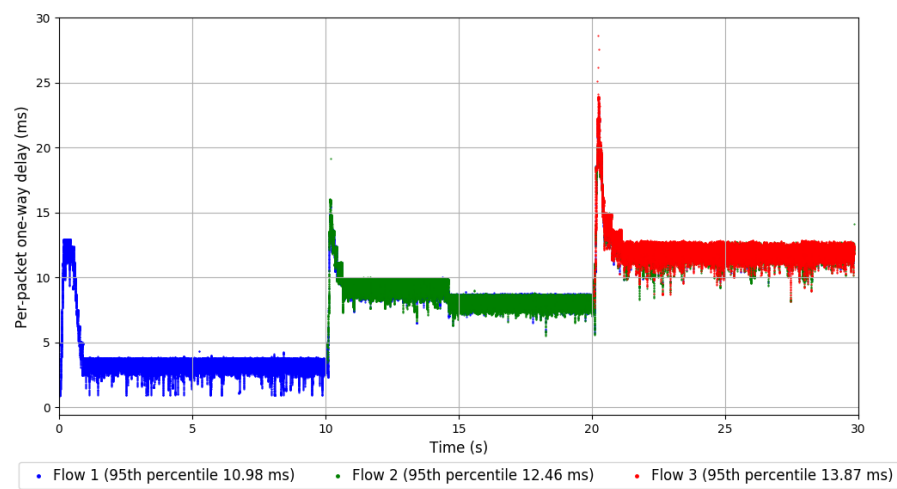
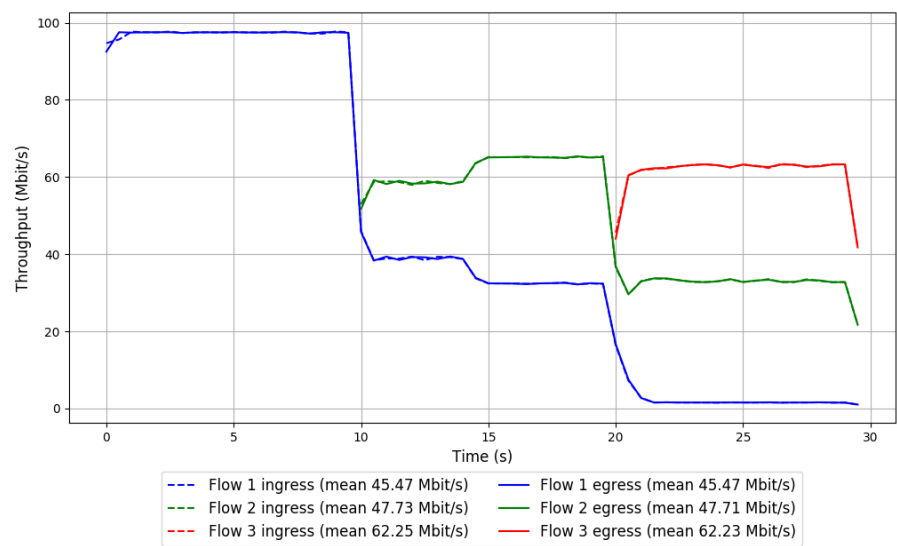


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 21:13:52
End at: 2018-04-10 21:14:22
Local clock offset: -7.185 ms
Remote clock offset: -6.951 ms

Below is generated by plot.py at 2018-04-11 01:20:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.581 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.47 Mbit/s
95th percentile per-packet one-way delay: 10.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.23 Mbit/s
95th percentile per-packet one-way delay: 13.870 ms
Loss rate: 0.13%

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

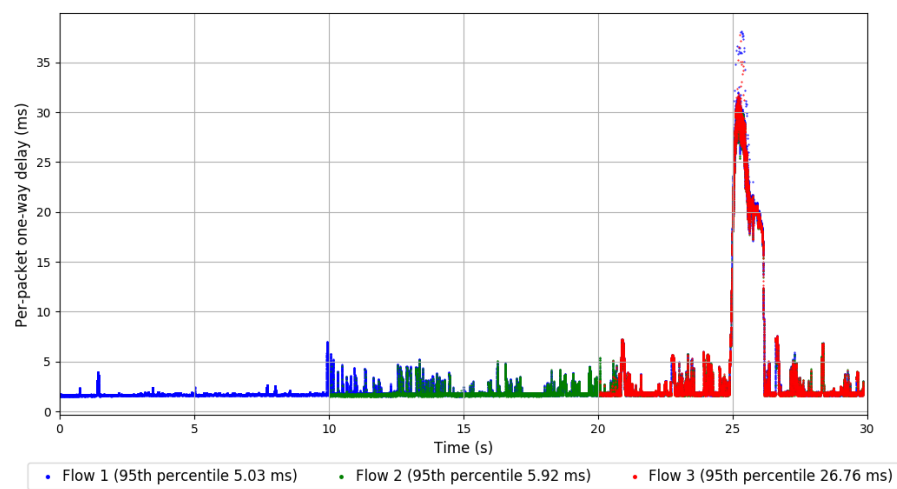
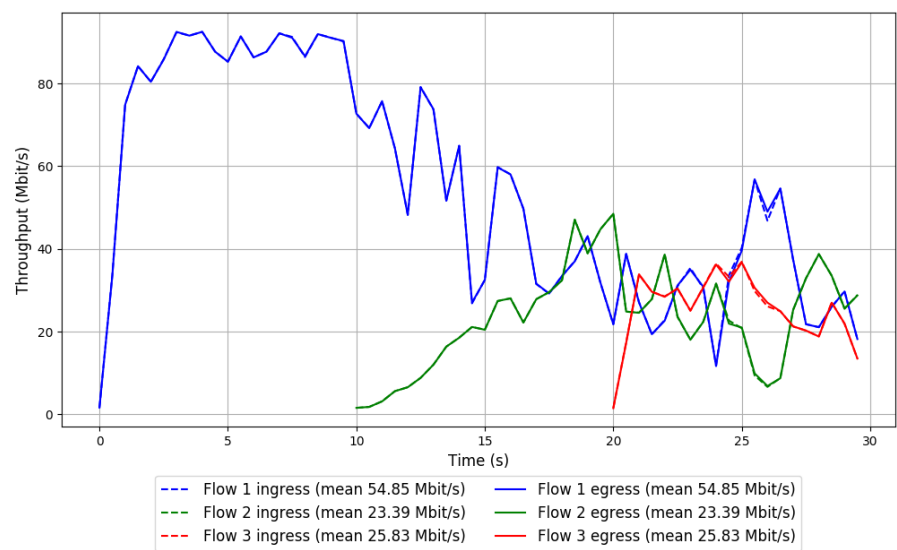


Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 18:26:42
End at: 2018-04-10 18:27:12
Local clock offset: -5.944 ms
Remote clock offset: -7.616 ms

Below is generated by plot.py at 2018-04-11 01:20:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.88 Mbit/s
95th percentile per-packet one-way delay: 9.892 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.85 Mbit/s
95th percentile per-packet one-way delay: 5.033 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 5.921 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.83 Mbit/s
95th percentile per-packet one-way delay: 26.759 ms
Loss rate: 0.01%

Run 1: Report of Vivace-latency — Data Link

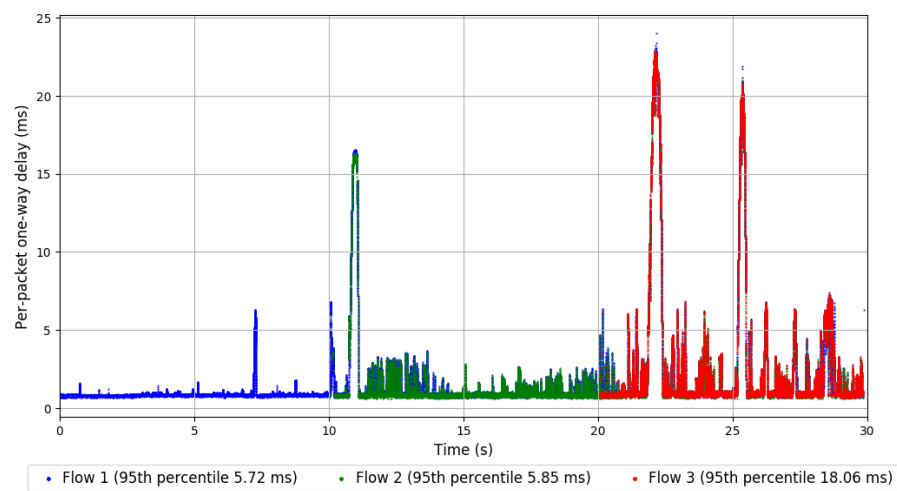
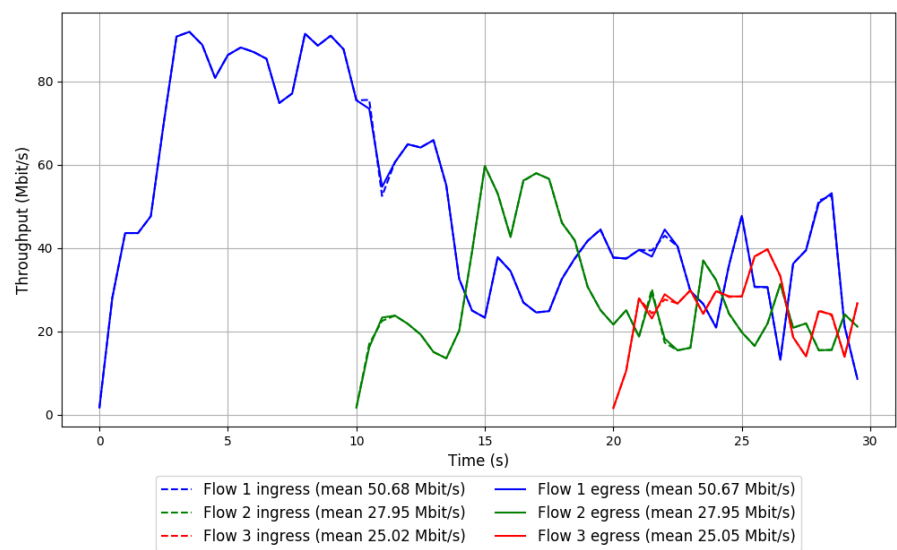


Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 18:47:05
End at: 2018-04-10 18:47:35
Local clock offset: -6.751 ms
Remote clock offset: -6.142 ms

Below is generated by plot.py at 2018-04-11 01:20:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 6.252 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 5.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 5.849 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 18.060 ms
Loss rate: 0.03%

Run 2: Report of Vivace-latency — Data Link

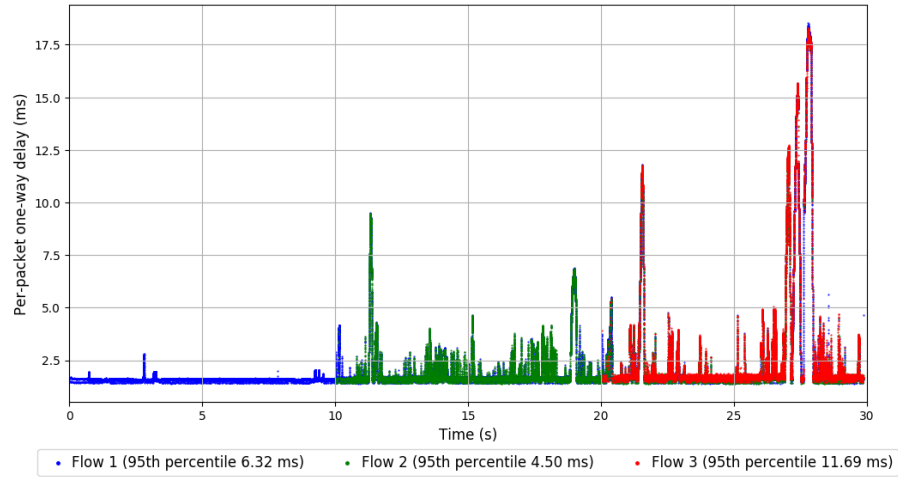
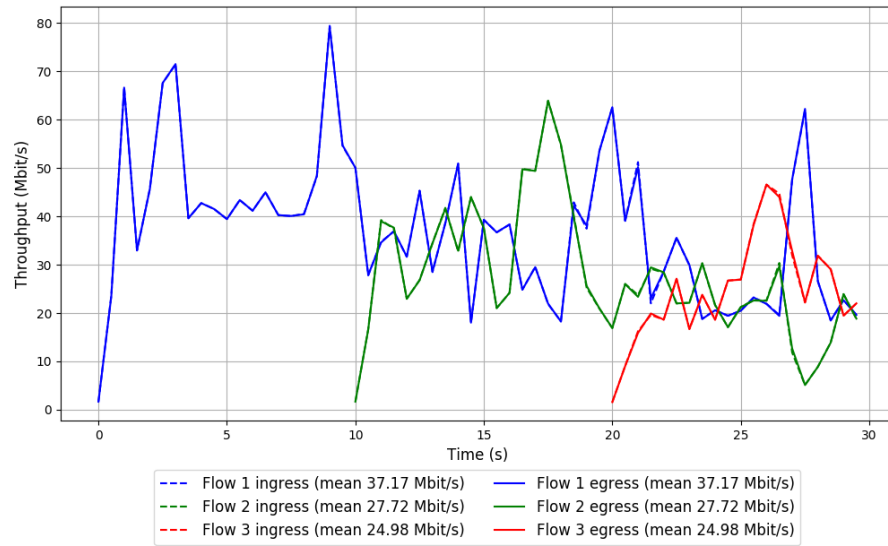


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 19:07:24
End at: 2018-04-10 19:07:54
Local clock offset: -5.776 ms
Remote clock offset: -6.859 ms

Below is generated by plot.py at 2018-04-11 01:20:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 63.82 Mbit/s
95th percentile per-packet one-way delay: 6.465 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 6.324 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 4.505 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 11.692 ms
Loss rate: 0.02%

Run 3: Report of Vivace-latency — Data Link

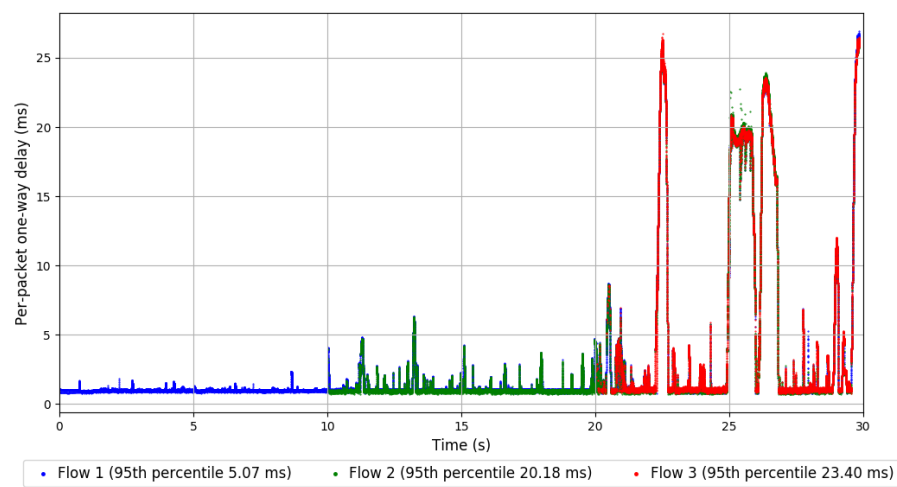
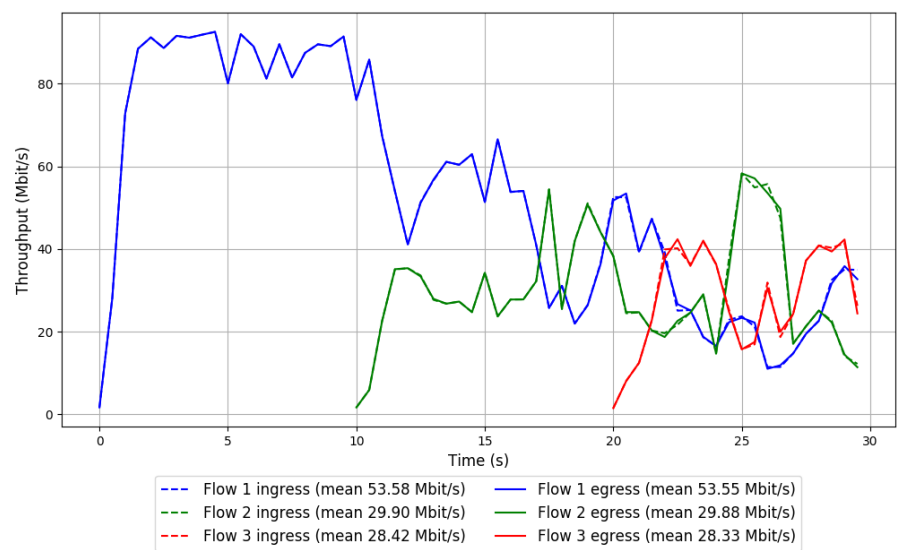


Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 19:27:44
End at: 2018-04-10 19:28:14
Local clock offset: -6.06 ms
Remote clock offset: -7.263 ms

Below is generated by plot.py at 2018-04-11 01:21:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 19.314 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 53.55 Mbit/s
95th percentile per-packet one-way delay: 5.068 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 20.183 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 23.404 ms
Loss rate: 0.35%

Run 4: Report of Vivace-latency — Data Link

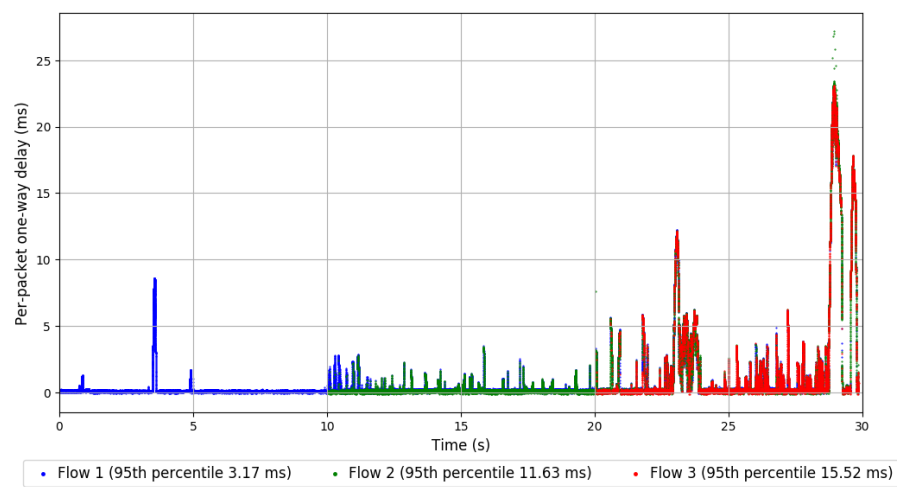
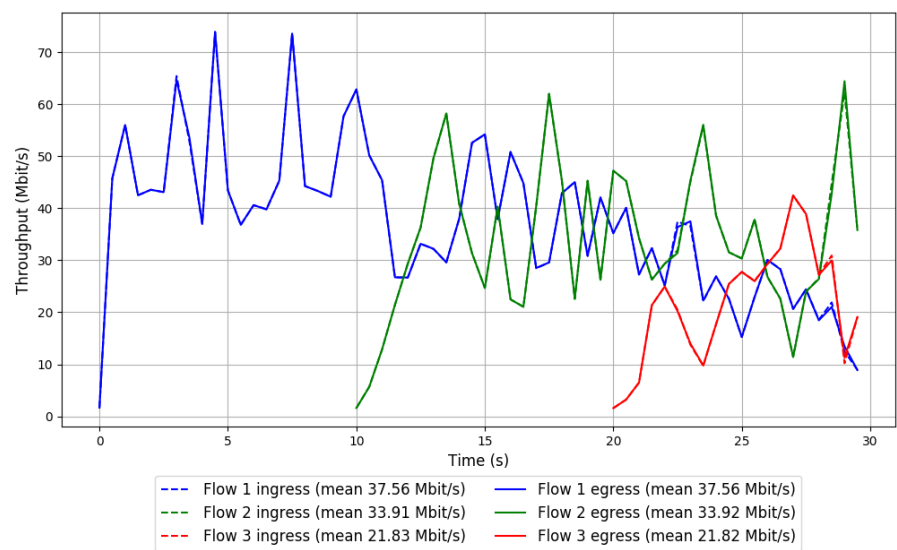


Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 19:48:05
End at: 2018-04-10 19:48:35
Local clock offset: -6.44 ms
Remote clock offset: -6.908 ms

Below is generated by plot.py at 2018-04-11 01:21:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 5.530 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 3.174 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 11.629 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.82 Mbit/s
95th percentile per-packet one-way delay: 15.515 ms
Loss rate: 0.00%

Run 5: Report of Vivace-latency — Data Link

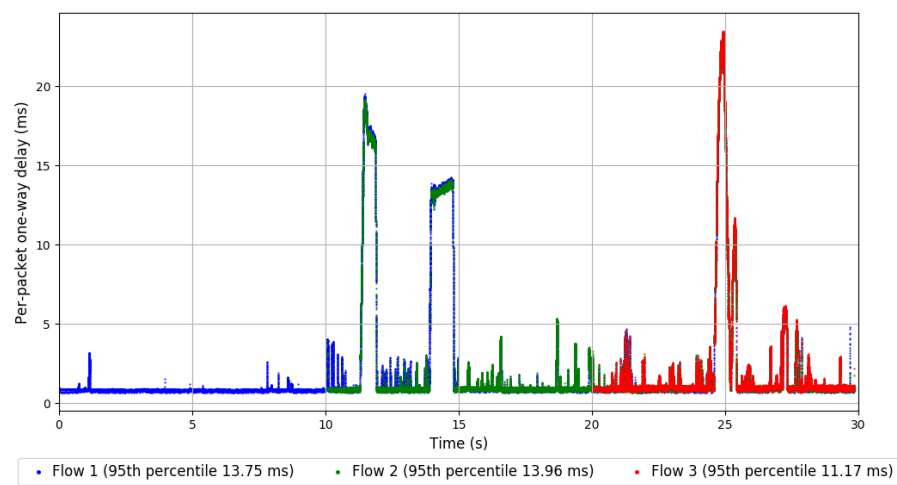
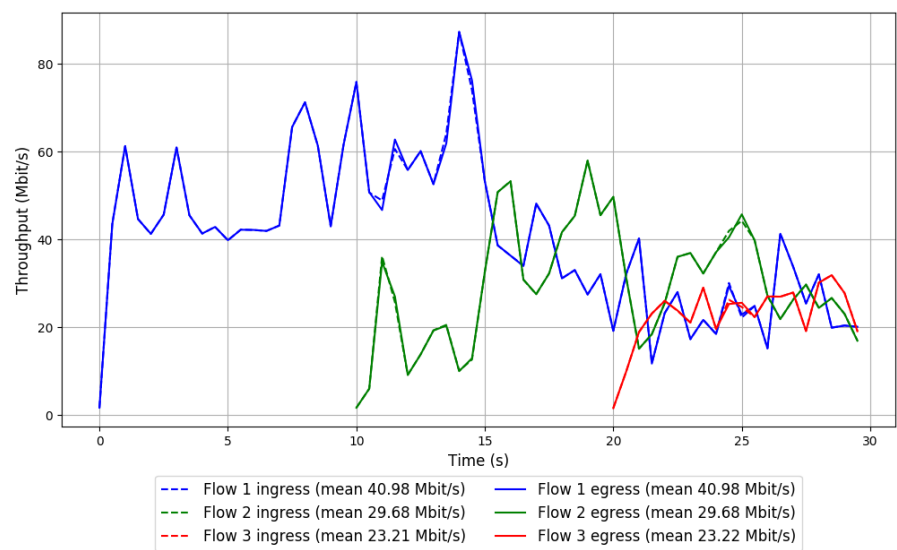


Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 20:08:25
End at: 2018-04-10 20:08:55
Local clock offset: -6.131 ms
Remote clock offset: -7.087 ms

Below is generated by plot.py at 2018-04-11 01:21:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.35 Mbit/s
95th percentile per-packet one-way delay: 13.746 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.98 Mbit/s
95th percentile per-packet one-way delay: 13.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 13.955 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.22 Mbit/s
95th percentile per-packet one-way delay: 11.168 ms
Loss rate: 0.03%

Run 6: Report of Vivace-latency — Data Link

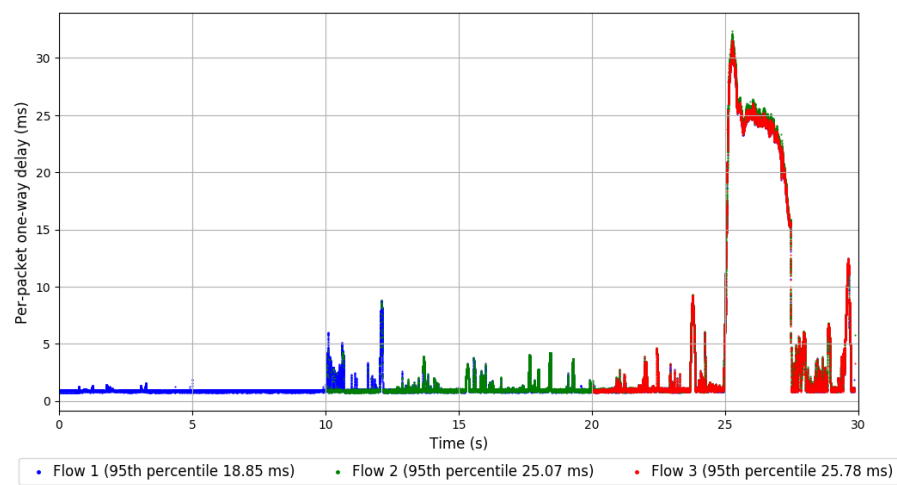
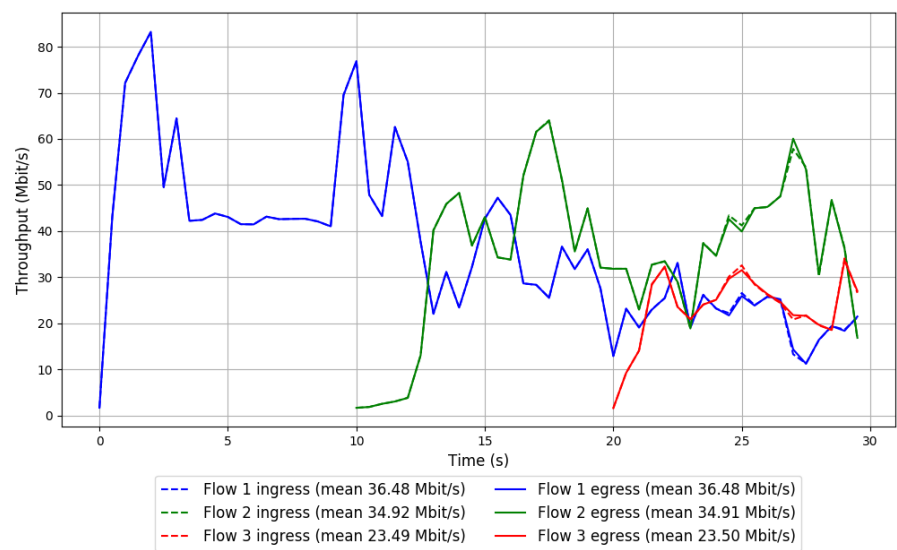


Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 20:28:43
End at: 2018-04-10 20:29:13
Local clock offset: -6.585 ms
Remote clock offset: -7.345 ms

Below is generated by plot.py at 2018-04-11 01:21:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 24.688 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.48 Mbit/s
95th percentile per-packet one-way delay: 18.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 25.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 25.780 ms
Loss rate: 0.02%

Run 7: Report of Vivace-latency — Data Link

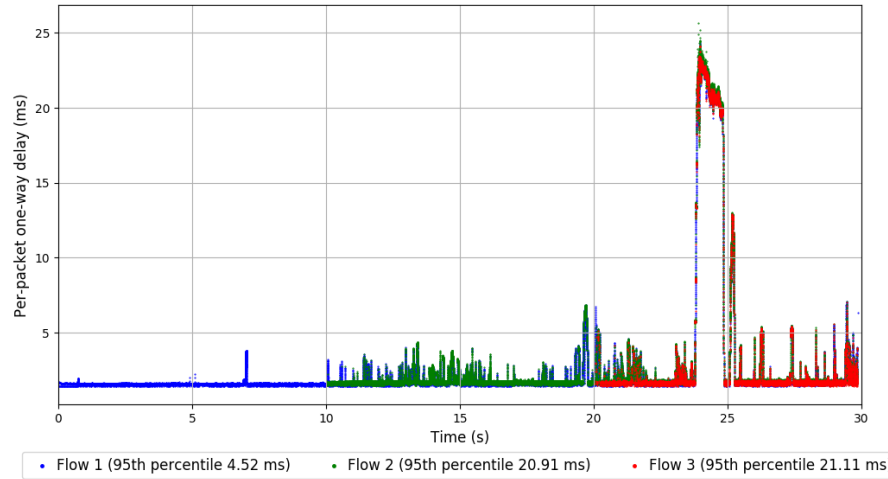
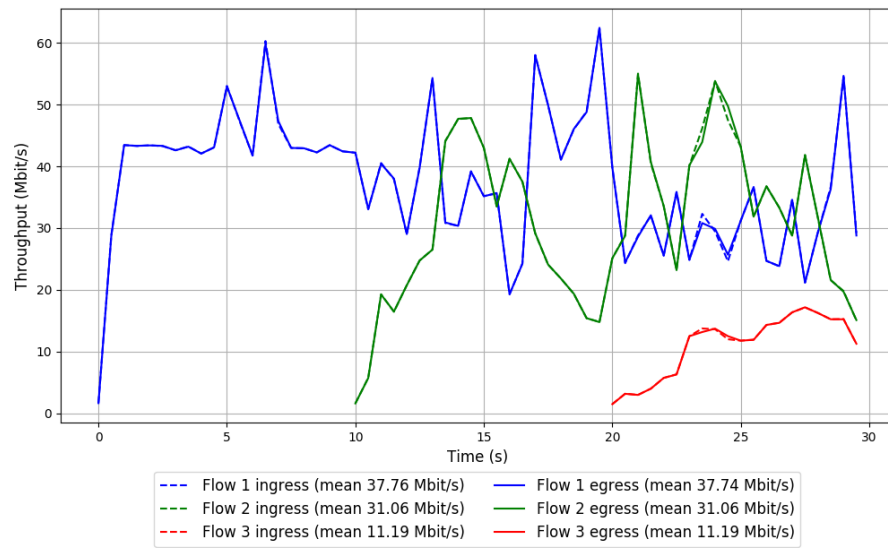


Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 20:49:02
End at: 2018-04-10 20:49:32
Local clock offset: -6.721 ms
Remote clock offset: -6.979 ms

Below is generated by plot.py at 2018-04-11 01:21:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 19.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 4.523 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 20.912 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 11.19 Mbit/s
95th percentile per-packet one-way delay: 21.115 ms
Loss rate: 0.03%

Run 8: Report of Vivace-latency — Data Link

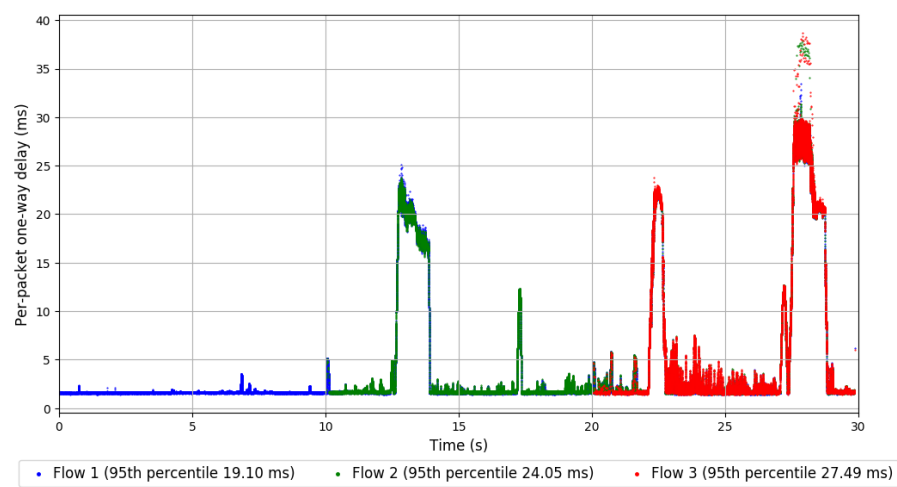
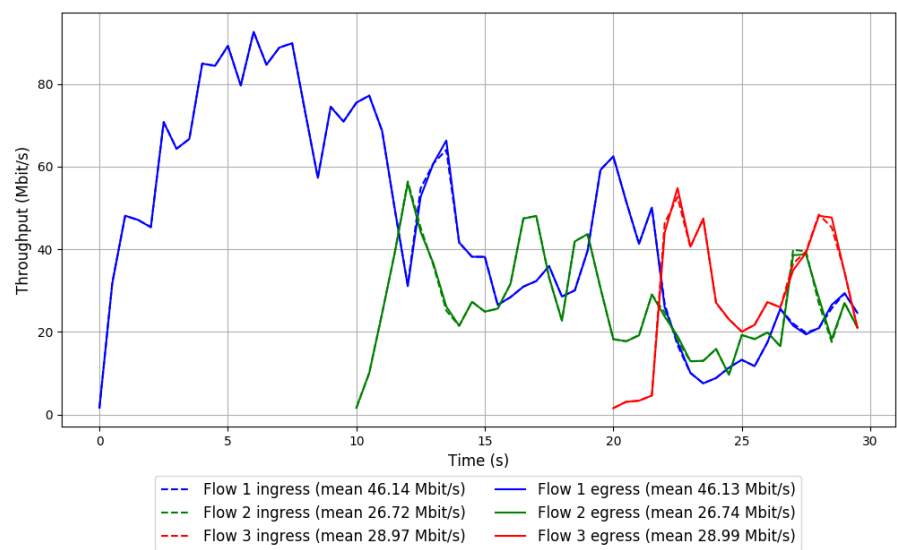


Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 21:09:23
End at: 2018-04-10 21:09:53
Local clock offset: -6.495 ms
Remote clock offset: -6.911 ms

Below is generated by plot.py at 2018-04-11 01:21:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.44 Mbit/s
95th percentile per-packet one-way delay: 21.666 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 19.099 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 24.051 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 27.488 ms
Loss rate: 0.02%

Run 9: Report of Vivace-latency — Data Link

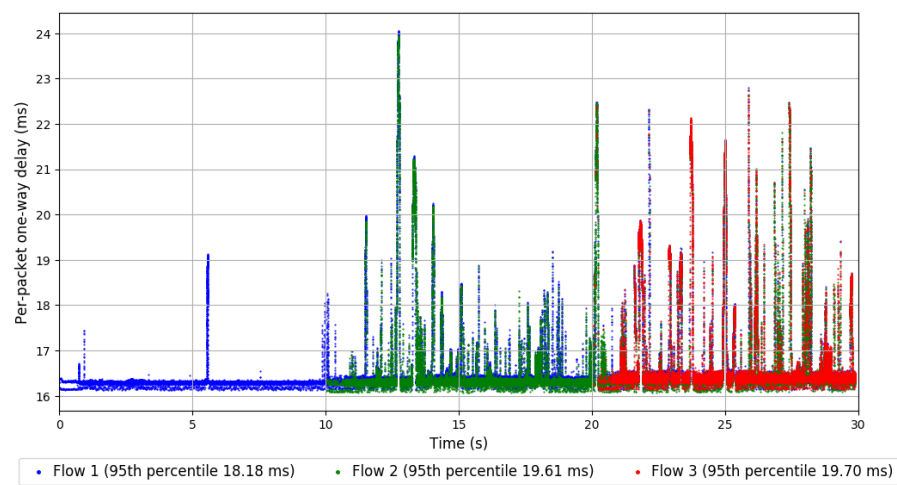
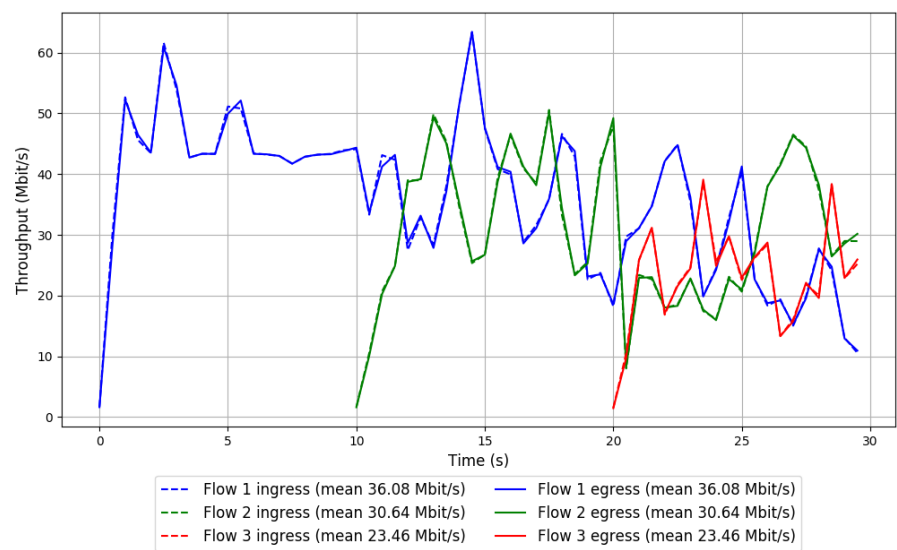


Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 21:29:44
End at: 2018-04-10 21:30:14
Local clock offset: -6.404 ms
Remote clock offset: -21.561 ms

Below is generated by plot.py at 2018-04-11 01:21:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.08 Mbit/s
95th percentile per-packet one-way delay: 18.179 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 19.696 ms
Loss rate: 0.03%

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 18:18:46

End at: 2018-04-10 18:19:16

Local clock offset: -6.592 ms

Remote clock offset: -9.726 ms

Run 1: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 18:39:08

End at: 2018-04-10 18:39:38

Local clock offset: -7.579 ms

Remote clock offset: -9.544 ms

Run 2: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 18:59:29

End at: 2018-04-10 18:59:59

Local clock offset: -7.37 ms

Remote clock offset: -6.568 ms

Run 3: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 19:19:48

End at: 2018-04-10 19:20:18

Local clock offset: -6.336 ms

Remote clock offset: -7.092 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 19:40:09

End at: 2018-04-10 19:40:39

Local clock offset: -5.03 ms

Remote clock offset: -6.97 ms

Run 5: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 20:00:28

End at: 2018-04-10 20:00:58

Local clock offset: -6.775 ms

Remote clock offset: -7.058 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 20:20:47

End at: 2018-04-10 20:21:17

Local clock offset: -6.947 ms

Remote clock offset: -7.286 ms

Run 7: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 20:41:08

End at: 2018-04-10 20:41:38

Local clock offset: -6.478 ms

Remote clock offset: -7.162 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

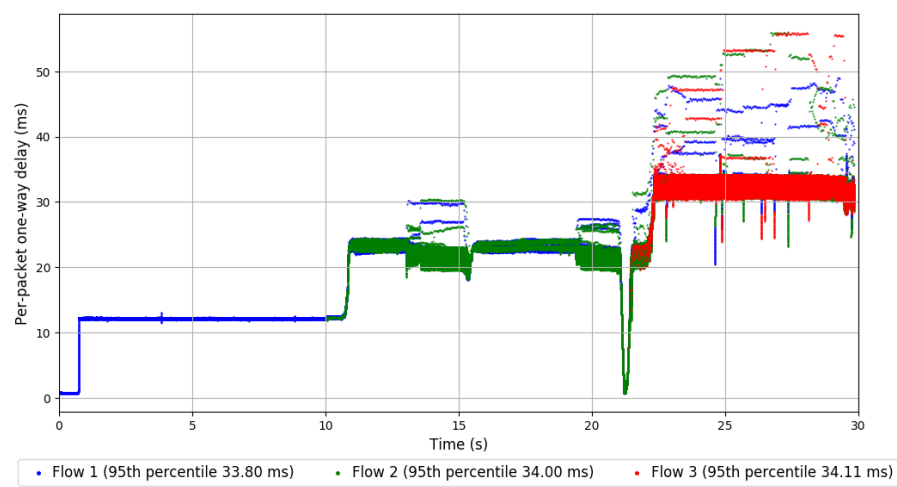
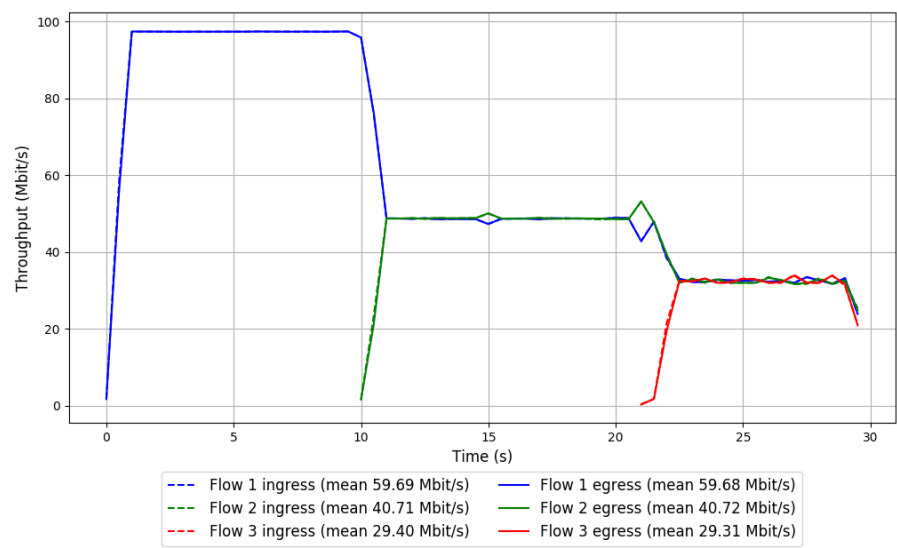
Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 21:01:26
End at: 2018-04-10 21:01:56
Local clock offset: -7.631 ms
Remote clock offset: -6.915 ms

Below is generated by plot.py at 2018-04-11 01:22:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 33.971 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 33.801 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 34.001 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.31 Mbit/s
95th percentile per-packet one-way delay: 34.106 ms
Loss rate: 0.41%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 21:21:47

End at: 2018-04-10 21:22:17

Local clock offset: -7.104 ms

Remote clock offset: -6.959 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

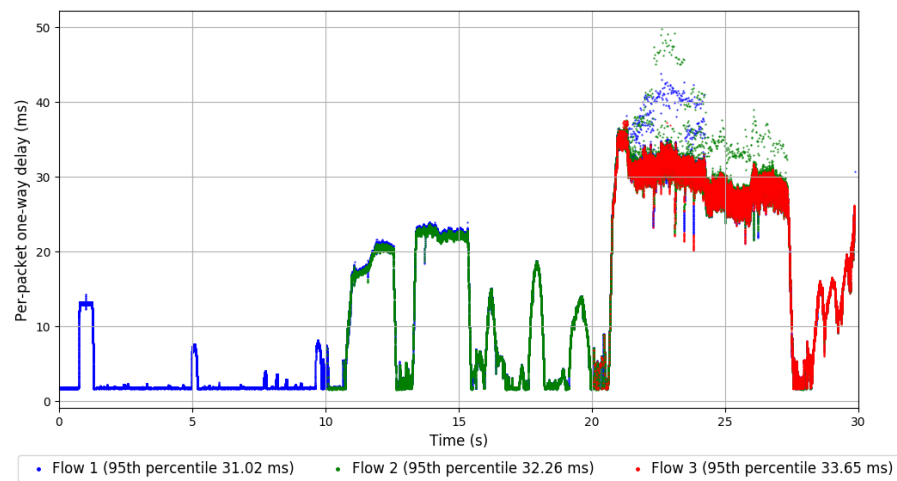
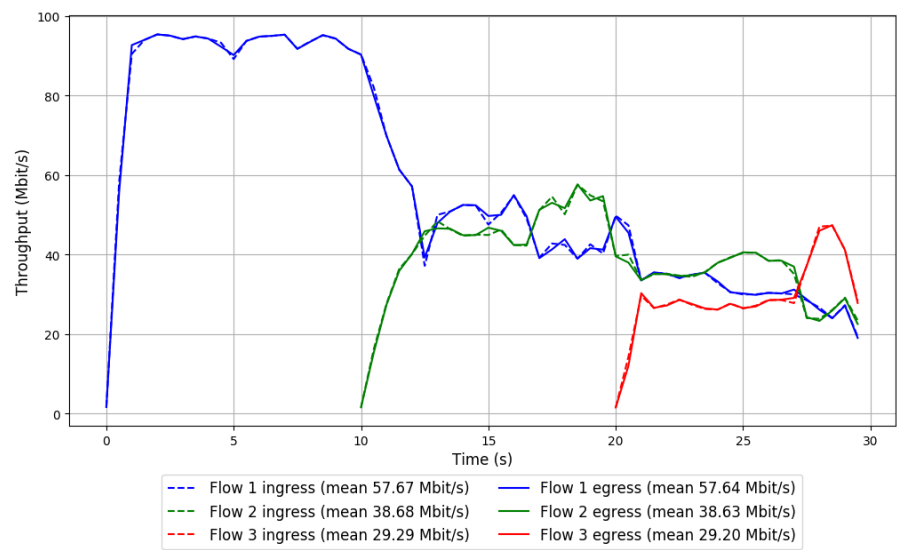
Figure is missing

Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 18:12:00
End at: 2018-04-10 18:12:30
Local clock offset: -5.51 ms
Remote clock offset: -9.456 ms

Below is generated by plot.py at 2018-04-11 01:22:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 32.001 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.64 Mbit/s
95th percentile per-packet one-way delay: 31.025 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 32.263 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.20 Mbit/s
95th percentile per-packet one-way delay: 33.649 ms
Loss rate: 0.35%

Run 1: Report of Vivace-LTE — Data Link

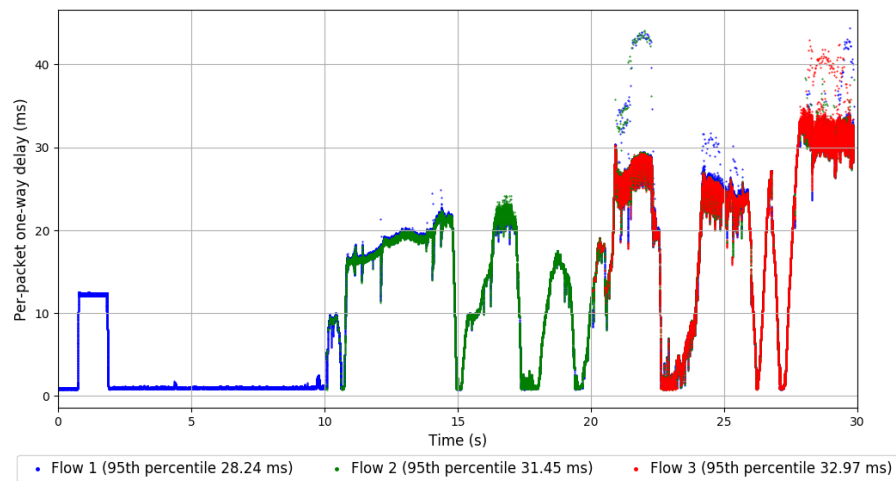
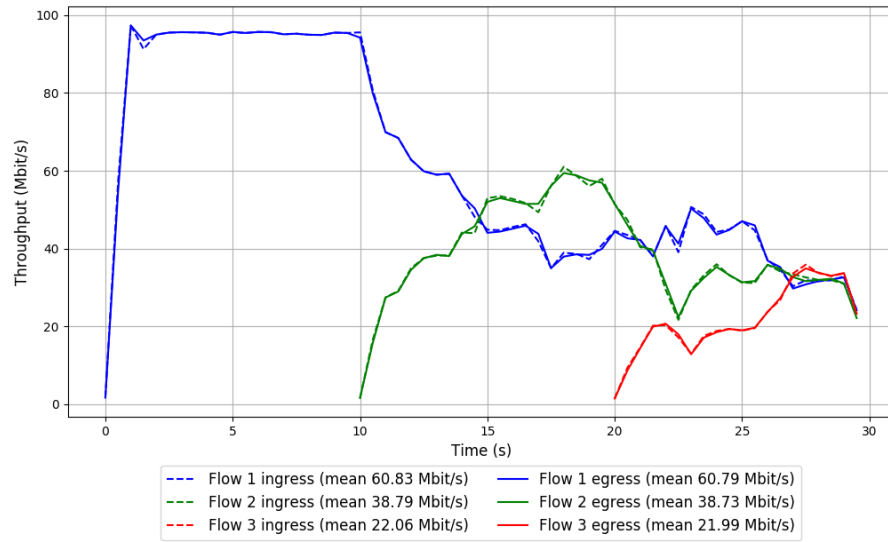


Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 18:32:21
End at: 2018-04-10 18:32:51
Local clock offset: -6.757 ms
Remote clock offset: -6.896 ms

Below is generated by plot.py at 2018-04-11 01:22:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 30.878 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 28.236 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 31.447 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 21.99 Mbit/s
95th percentile per-packet one-way delay: 32.969 ms
Loss rate: 0.47%

Run 2: Report of Vivace-LTE — Data Link

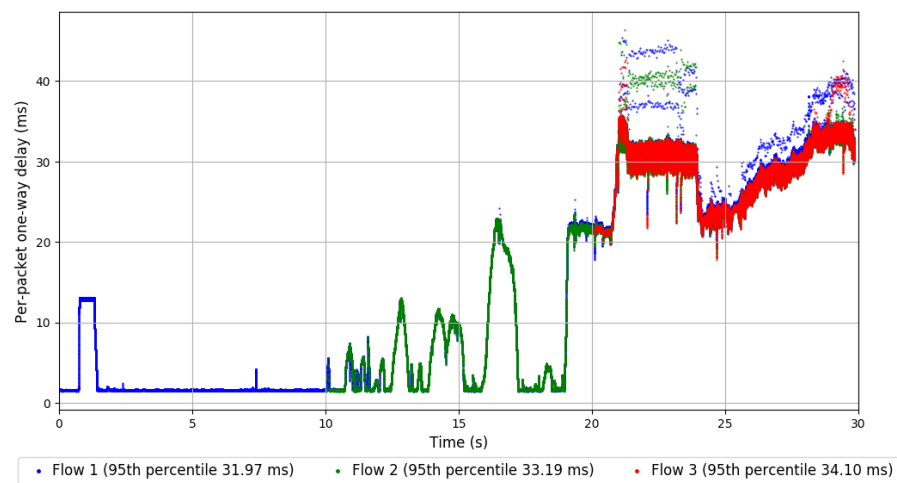
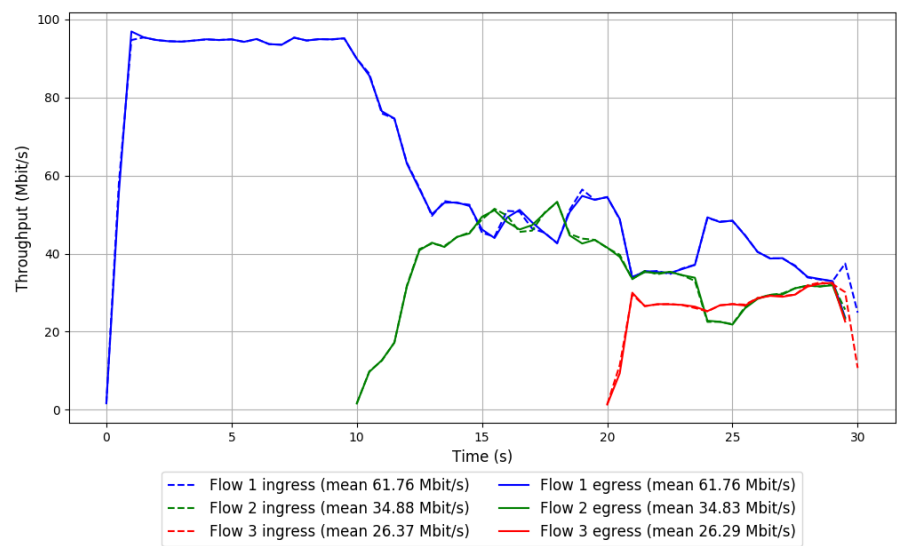


Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 18:52:43
End at: 2018-04-10 18:53:13
Local clock offset: -5.831 ms
Remote clock offset: -6.064 ms

Below is generated by plot.py at 2018-04-11 01:22:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 32.781 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 31.974 ms
Loss rate: 1.10%
-- Flow 2:
Average throughput: 34.83 Mbit/s
95th percentile per-packet one-way delay: 33.188 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 34.101 ms
Loss rate: 3.80%

Run 3: Report of Vivace-LTE — Data Link

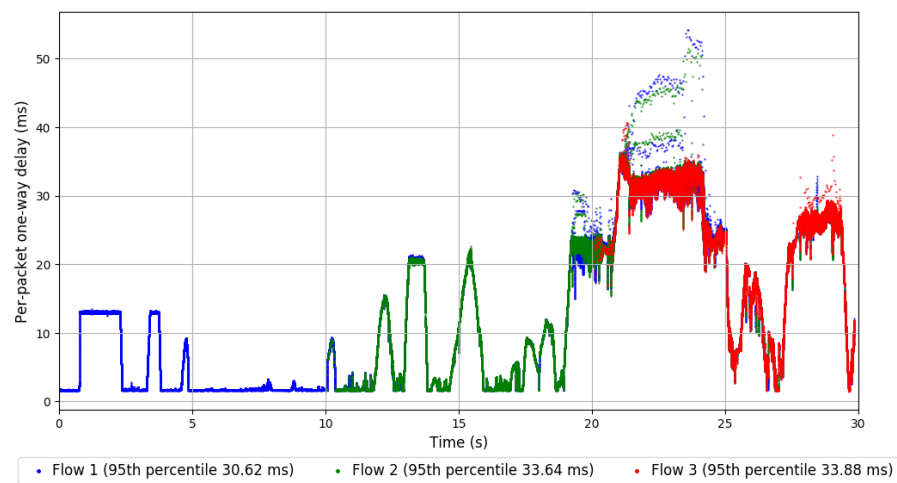
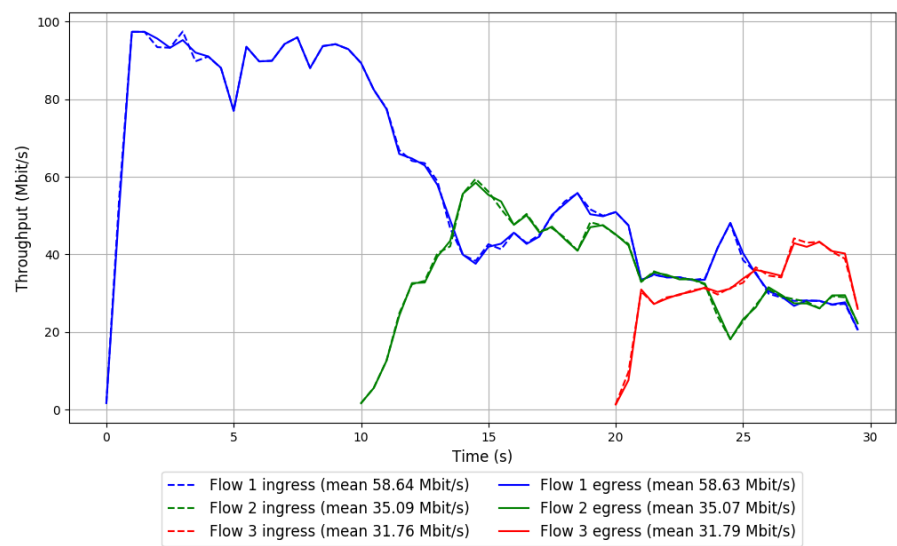


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 19:13:02
End at: 2018-04-10 19:13:32
Local clock offset: -5.757 ms
Remote clock offset: -6.997 ms

Below is generated by plot.py at 2018-04-11 01:22:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 32.971 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 58.63 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 33.642 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 33.877 ms
Loss rate: 0.16%

Run 4: Report of Vivace-LTE — Data Link

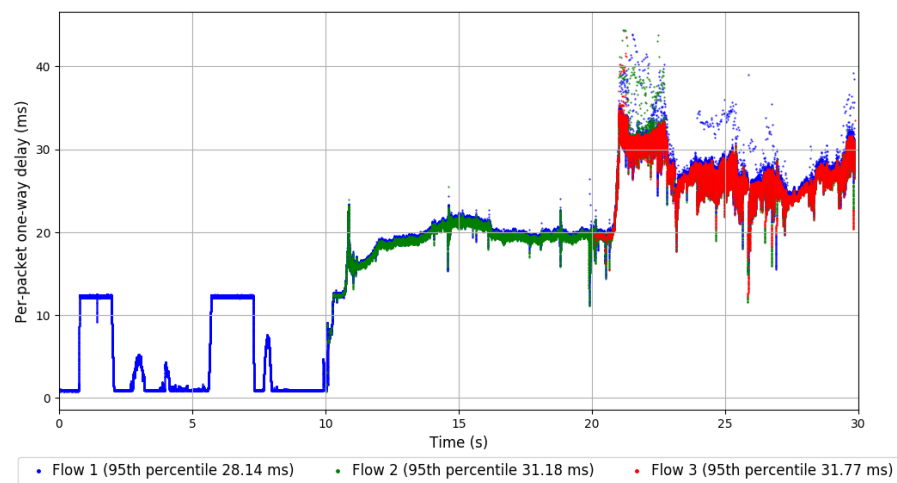
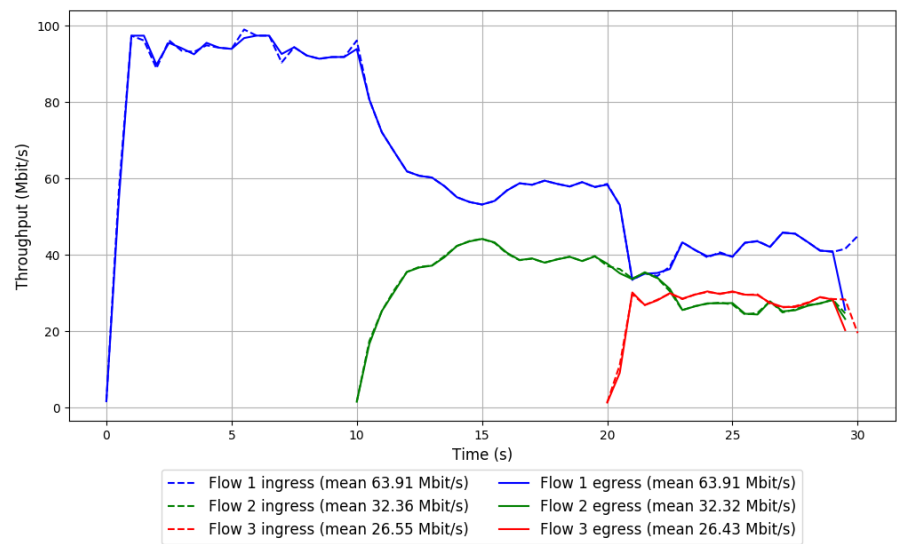


Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 19:33:24
End at: 2018-04-10 19:33:54
Local clock offset: -5.885 ms
Remote clock offset: -7.035 ms

Below is generated by plot.py at 2018-04-11 01:22:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.04 Mbit/s
95th percentile per-packet one-way delay: 30.581 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 63.91 Mbit/s
95th percentile per-packet one-way delay: 28.142 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 31.765 ms
Loss rate: 5.33%

Run 5: Report of Vivace-LTE — Data Link

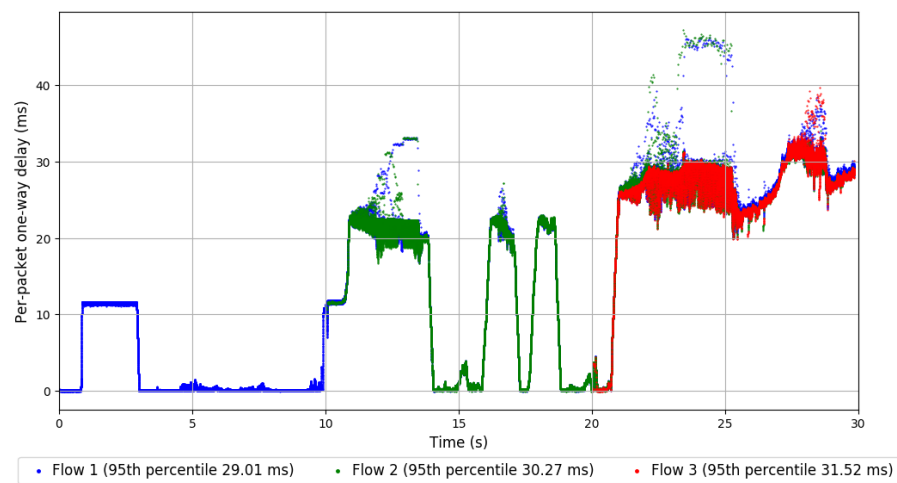
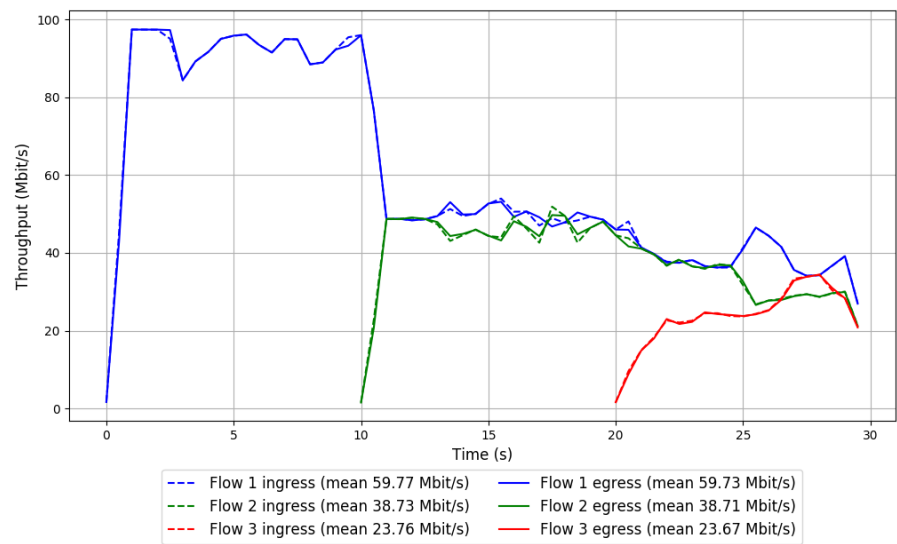


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 19:53:43
End at: 2018-04-10 19:54:13
Local clock offset: -6.569 ms
Remote clock offset: -6.976 ms

Below is generated by plot.py at 2018-04-11 01:23:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 29.993 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 29.008 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 30.269 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 31.525 ms
Loss rate: 0.39%

Run 6: Report of Vivace-LTE — Data Link

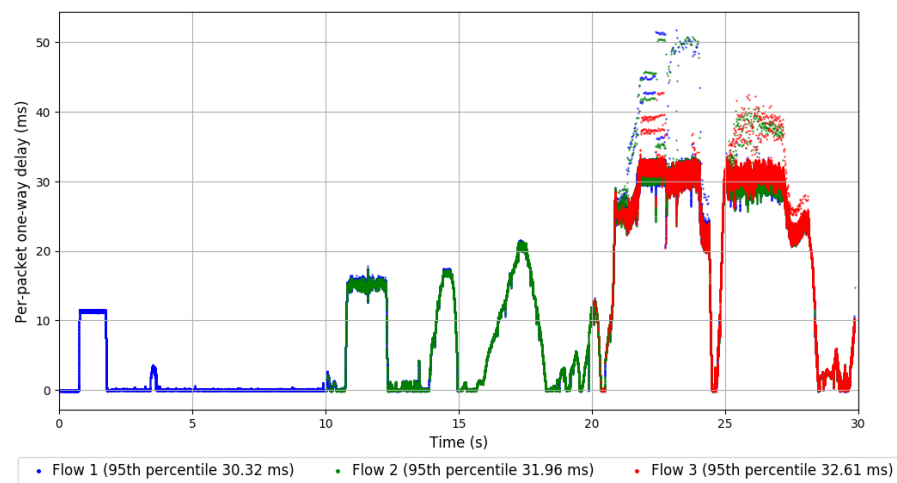
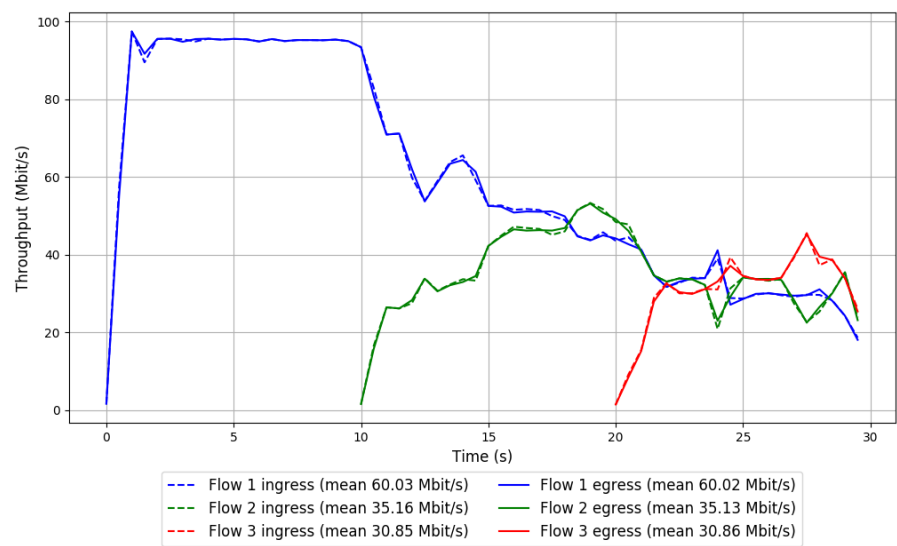


Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 20:14:02
End at: 2018-04-10 20:14:32
Local clock offset: -6.978 ms
Remote clock offset: -7.114 ms

Below is generated by plot.py at 2018-04-11 01:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 31.684 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.02 Mbit/s
95th percentile per-packet one-way delay: 30.322 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 32.613 ms
Loss rate: 0.13%

Run 7: Report of Vivace-LTE — Data Link

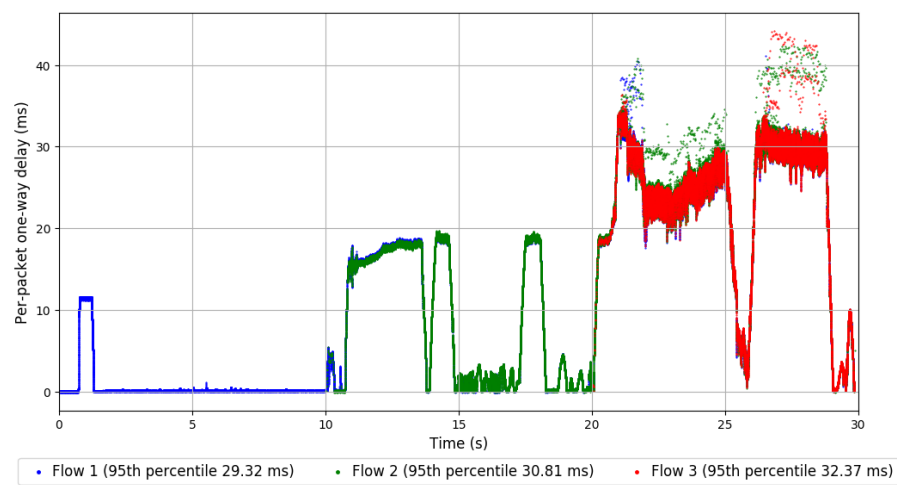
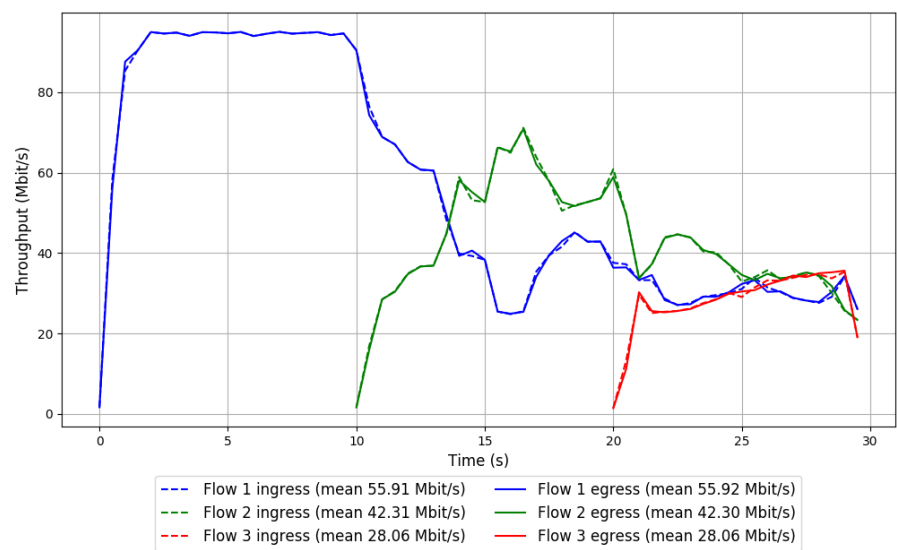


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 20:34:20
End at: 2018-04-10 20:34:50
Local clock offset: -7.758 ms
Remote clock offset: -7.321 ms

Below is generated by plot.py at 2018-04-11 01:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 30.637 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 29.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.30 Mbit/s
95th percentile per-packet one-way delay: 30.806 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.06 Mbit/s
95th percentile per-packet one-way delay: 32.372 ms
Loss rate: 0.02%

Run 8: Report of Vivace-LTE — Data Link

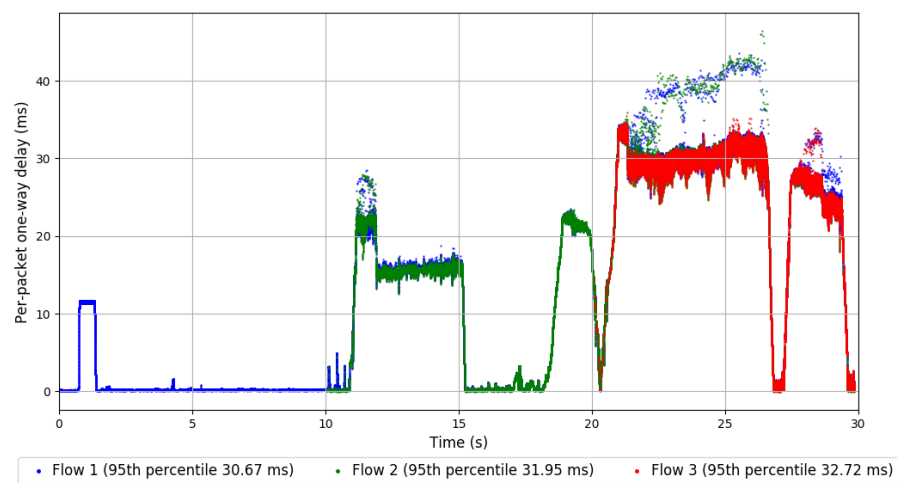
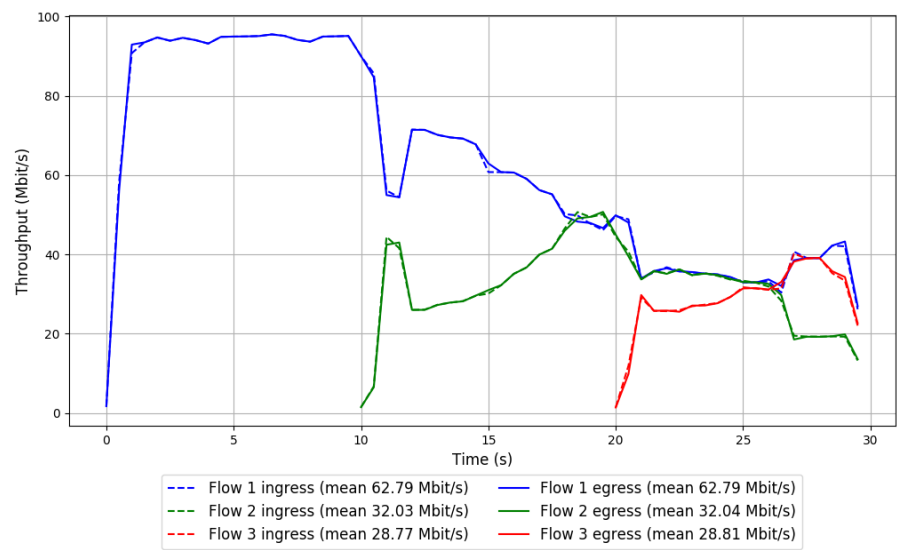


Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 20:54:39
End at: 2018-04-10 20:55:09
Local clock offset: -8.435 ms
Remote clock offset: -6.948 ms

Below is generated by plot.py at 2018-04-11 01:23:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 31.535 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 30.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 31.954 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 32.717 ms
Loss rate: 0.02%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 21:15:01
End at: 2018-04-10 21:15:31
Local clock offset: -7.224 ms
Remote clock offset: -6.954 ms

Below is generated by plot.py at 2018-04-11 01:23:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 31.307 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 30.031 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 32.071 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 32.733 ms
Loss rate: 0.35%

Run 10: Report of Vivace-LTE — Data Link

