

Pantheon Report

Generated at 2018-03-13 21:16:53 (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).

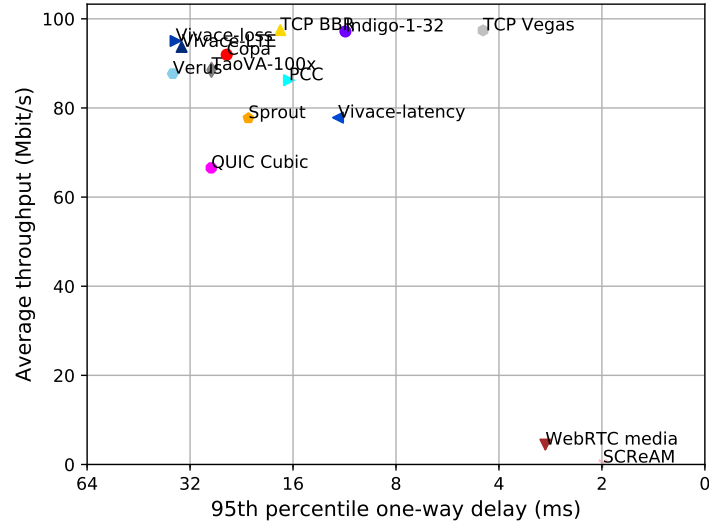
Tested BBR with qdisc of Fair Queuing (*fq*), and other schemes with the default Linux qdisc (*pfifo_fast*).

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

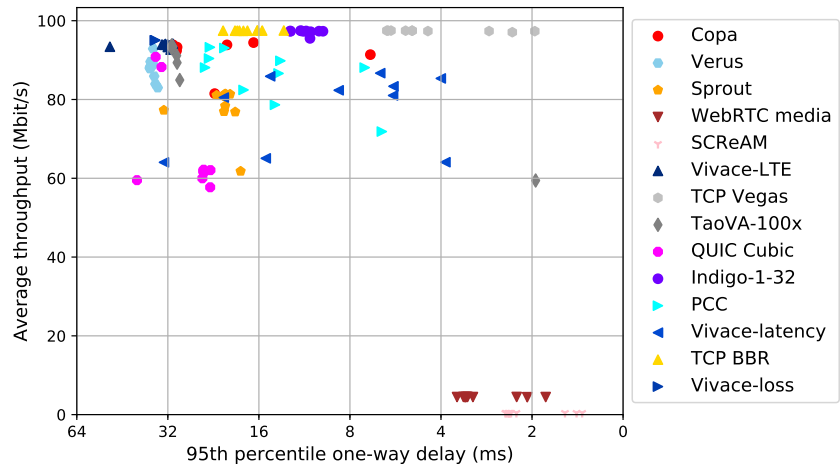
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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



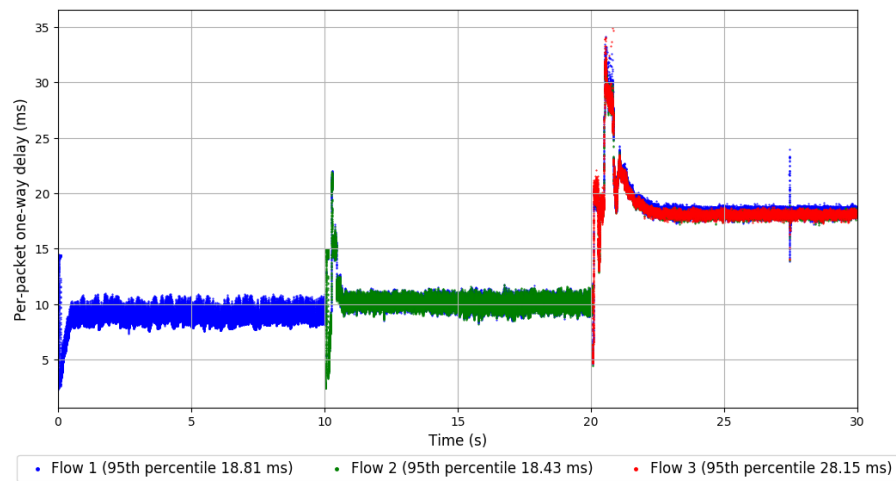
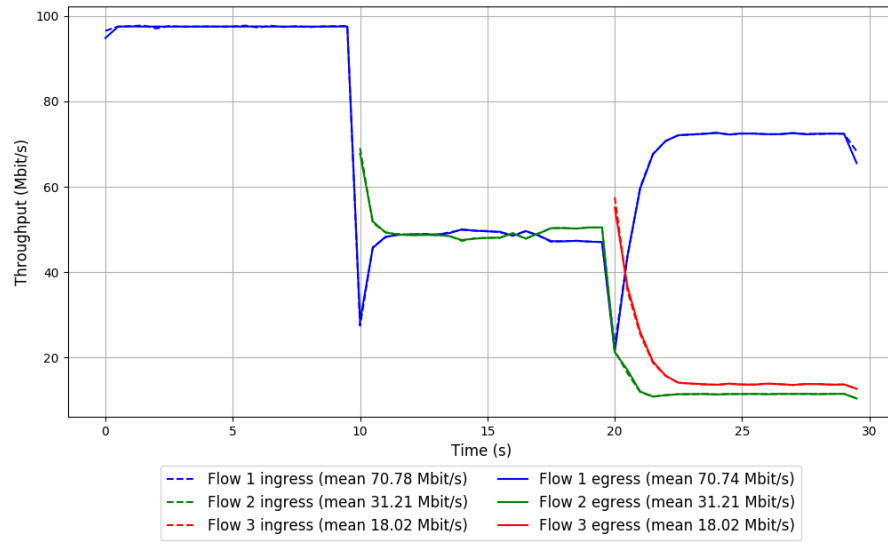
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	69.83	33.67	15.81	17.31	16.97	21.91	0.09	0.03	0.15
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC	10	65.73	26.68	8.40	15.80	18.00	17.95	0.02	0.07	0.13
QUIC Cubic	10	11.38	62.80	43.28	10.06	27.73	27.85	0.02	0.10	0.28
SCReAM	10	0.22	0.22	0.22	1.98	1.98	1.98	0.00	0.00	0.00
WebRTC media	10	2.37	1.47	0.65	2.85	2.92	3.10	0.02	0.02	0.02
Sprout	10	40.96	40.02	30.80	20.27	21.46	23.46	0.04	0.09	0.16
TaoVA-100x	10	49.94	41.65	32.94	27.46	27.69	27.82	0.05	0.12	0.30
TCP Vegas	10	47.96	46.81	55.17	8.20	3.92	4.07	0.01	0.02	0.05
Verus	10	50.60	40.83	30.00	35.23	35.85	36.20	0.08	0.14	0.40
Copa	10	54.61	40.16	32.19	24.09	24.97	25.66	0.07	0.21	0.52
FillP	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Indigo-1-32	10	46.72	42.30	68.31	10.27	11.11	11.63	0.00	0.03	0.13
Vivace-latency	10	51.08	29.84	21.02	8.00	13.39	21.45	0.42	1.65	1.09
Vivace-loss	2	58.98	40.19	29.72	33.85	35.37	35.43	0.91	1.72	0.56
Vivace-LTE	10	59.87	37.99	26.15	32.72	34.21	35.00	0.05	0.12	0.31

Run 1: Statistics of TCP BBR

Start at: 2018-03-13 14:21:17
End at: 2018-03-13 14:21:47
Local clock offset: -5.747 ms
Remote clock offset: -6.806 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.74 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 18.430 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 28.147 ms
Loss rate: 0.16%

Run 1: Report of TCP BBR — Data Link

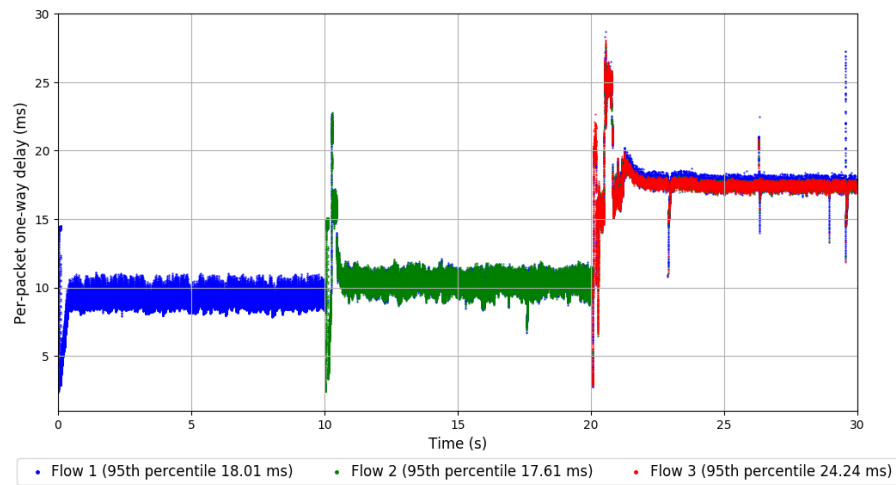
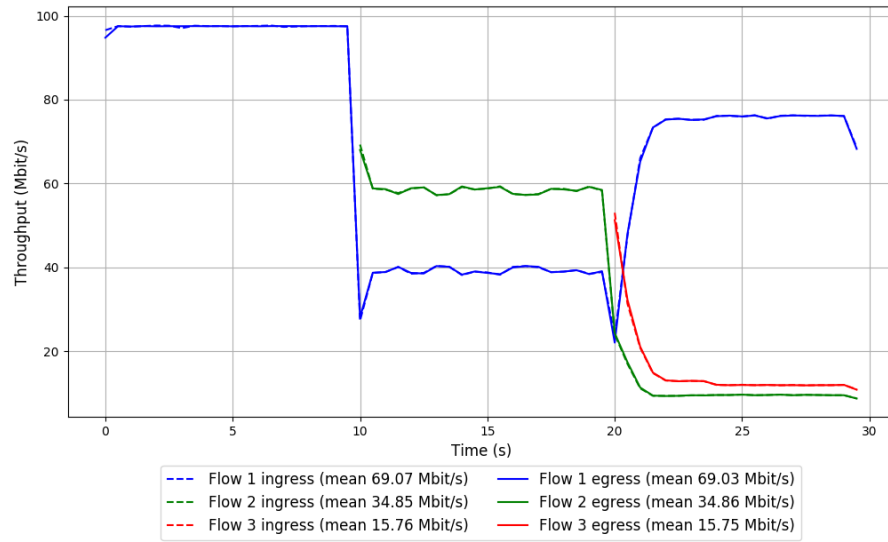


Run 2: Statistics of TCP BBR

Start at: 2018-03-13 14:41:44
End at: 2018-03-13 14:42:14
Local clock offset: -5.702 ms
Remote clock offset: -6.672 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 18.003 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.03 Mbit/s
95th percentile per-packet one-way delay: 18.009 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.86 Mbit/s
95th percentile per-packet one-way delay: 17.606 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 24.238 ms
Loss rate: 0.15%

Run 2: Report of TCP BBR — Data Link

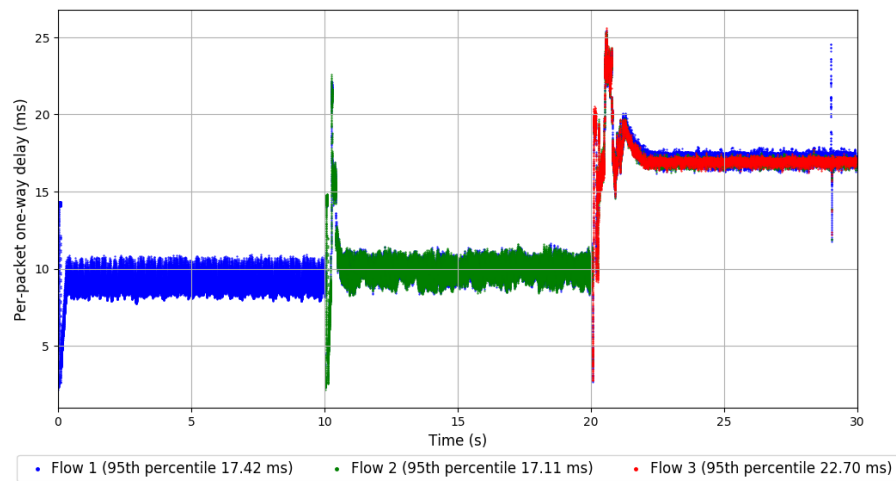
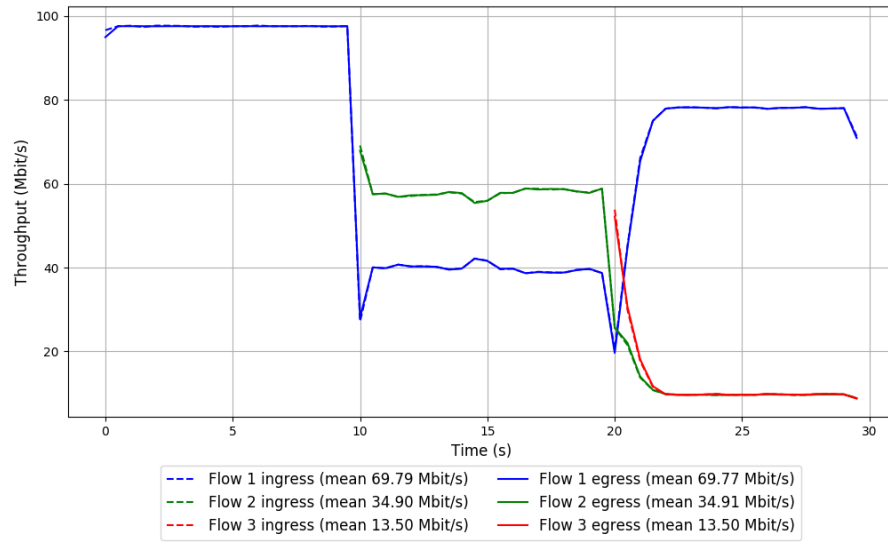


Run 3: Statistics of TCP BBR

Start at: 2018-03-13 15:02:08
End at: 2018-03-13 15:02:38
Local clock offset: -6.768 ms
Remote clock offset: -6.641 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 17.456 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 17.418 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 17.108 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 22.704 ms
Loss rate: 0.14%

Run 3: Report of TCP BBR — Data Link

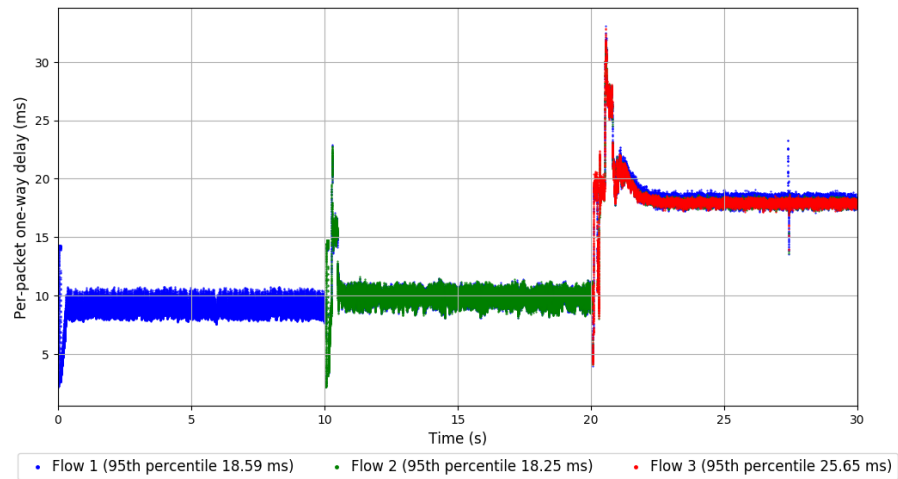
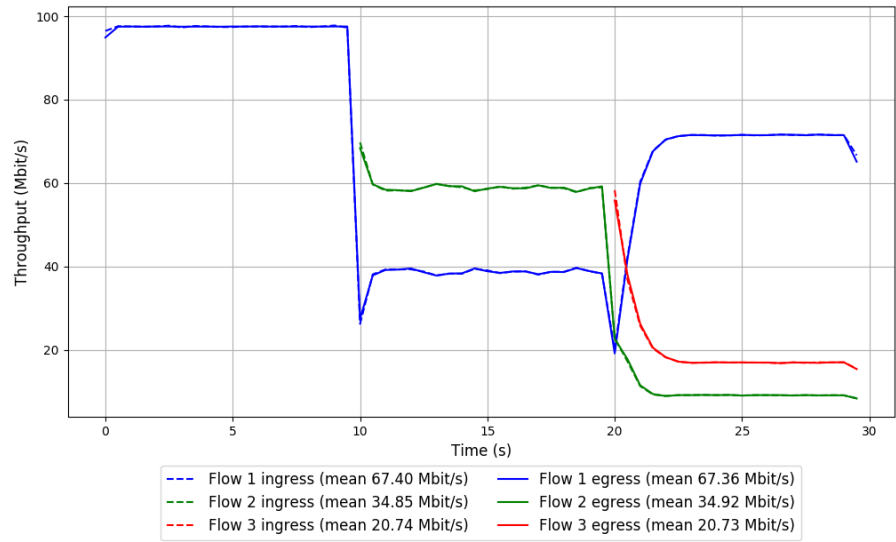


Run 4: Statistics of TCP BBR

Start at: 2018-03-13 15:22:33
End at: 2018-03-13 15:23:03
Local clock offset: -3.512 ms
Remote clock offset: -6.765 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 18.856 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.36 Mbit/s
95th percentile per-packet one-way delay: 18.587 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.92 Mbit/s
95th percentile per-packet one-way delay: 18.249 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 25.650 ms
Loss rate: 0.17%

Run 4: Report of TCP BBR — Data Link

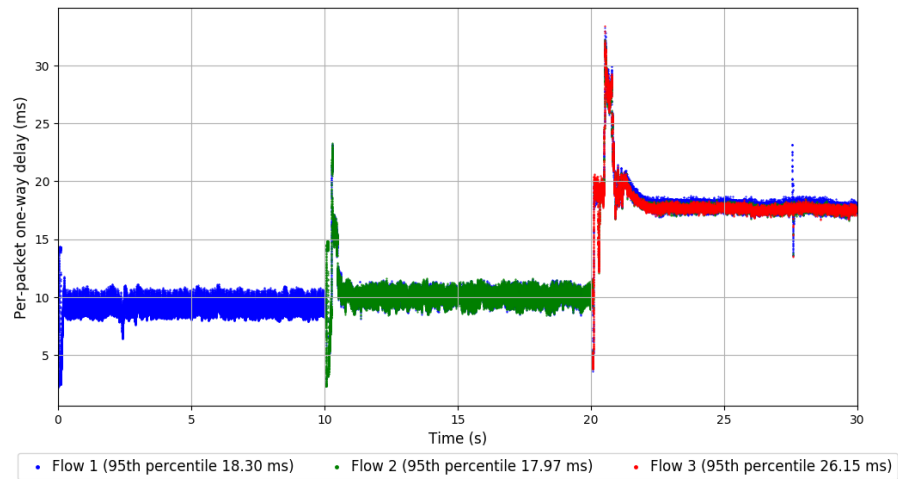
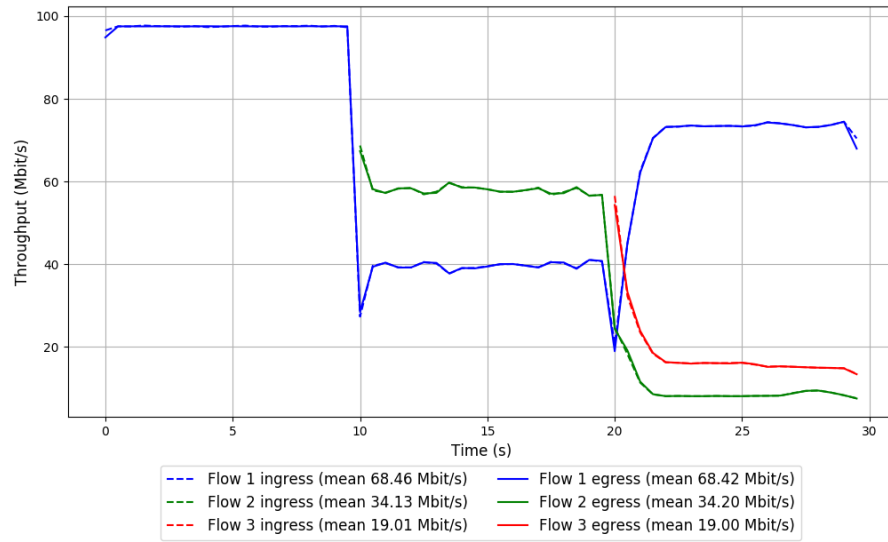


Run 5: Statistics of TCP BBR

Start at: 2018-03-13 15:42:58
End at: 2018-03-13 15:43:28
Local clock offset: 0.061 ms
Remote clock offset: -6.782 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 18.556 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 18.303 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 17.974 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.00 Mbit/s
95th percentile per-packet one-way delay: 26.150 ms
Loss rate: 0.17%

Run 5: Report of TCP BBR — Data Link

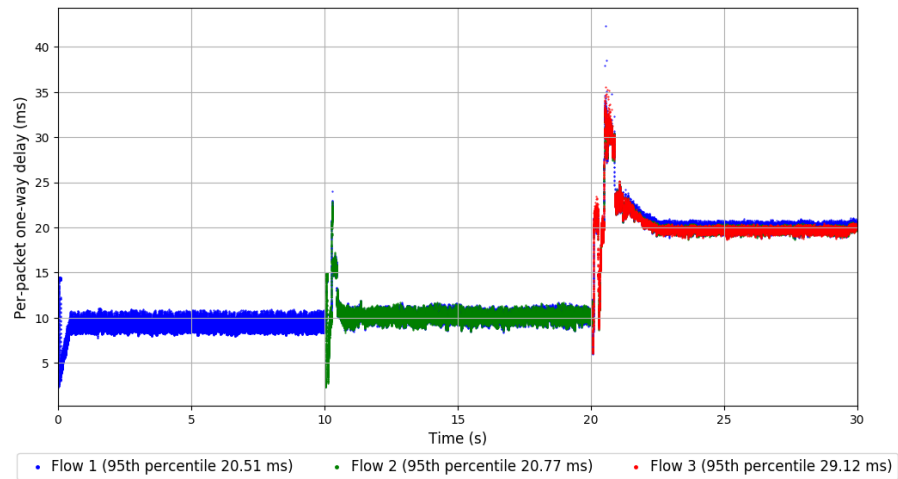
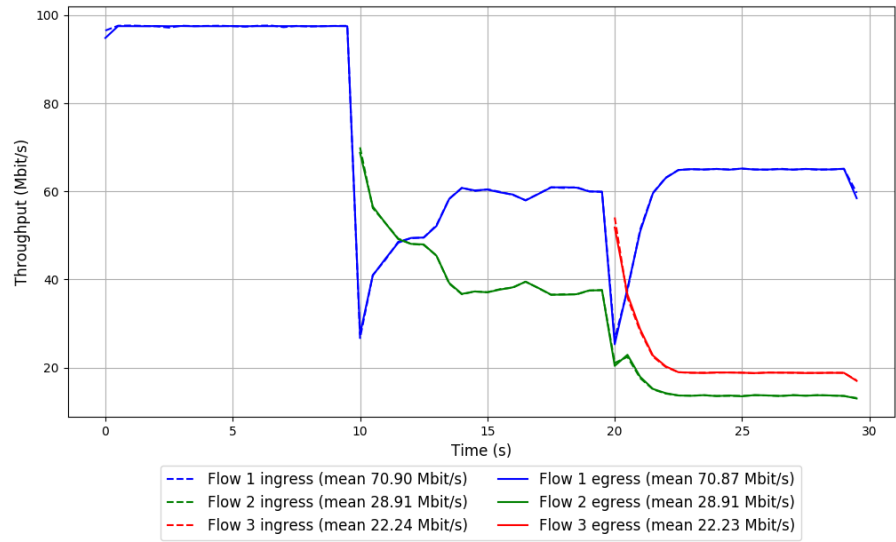


Run 6: Statistics of TCP BBR

Start at: 2018-03-13 16:03:23
End at: 2018-03-13 16:03:53
Local clock offset: 2.153 ms
Remote clock offset: -6.741 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 21.010 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.87 Mbit/s
95th percentile per-packet one-way delay: 20.507 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 20.774 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 22.23 Mbit/s
95th percentile per-packet one-way delay: 29.116 ms
Loss rate: 0.20%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-03-13 16:23:48

End at: 2018-03-13 16:24:18

Local clock offset: 2.996 ms

Remote clock offset: -6.52 ms

Below is generated by plot.py at 2018-03-13 20:55:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 16.208 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 74.44 Mbit/s

95th percentile per-packet one-way delay: 16.227 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 29.41 Mbit/s

95th percentile per-packet one-way delay: 15.933 ms

Loss rate: 0.02%

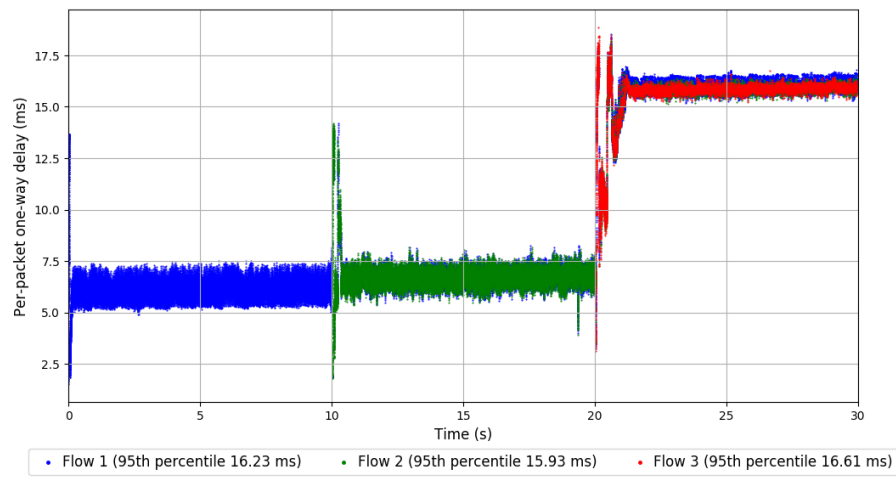
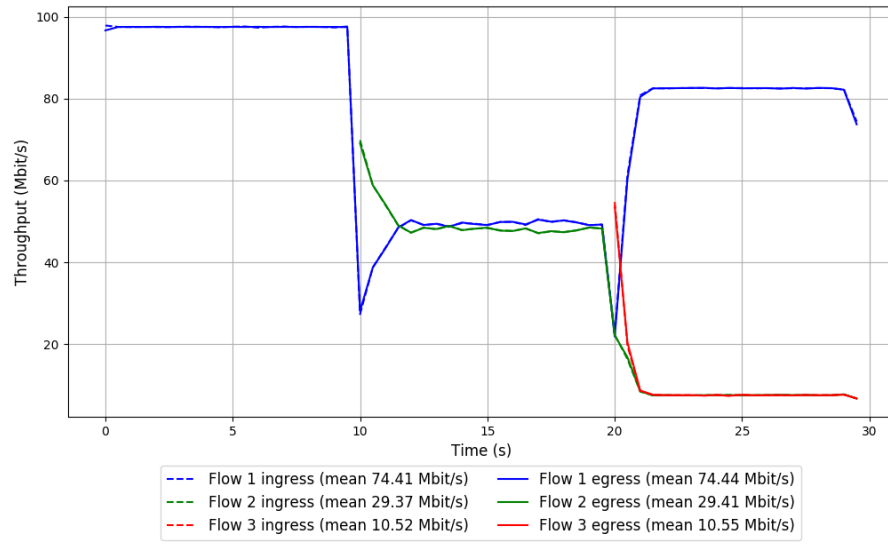
-- Flow 3:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 16.612 ms

Loss rate: 0.13%

Run 7: Report of TCP BBR — Data Link

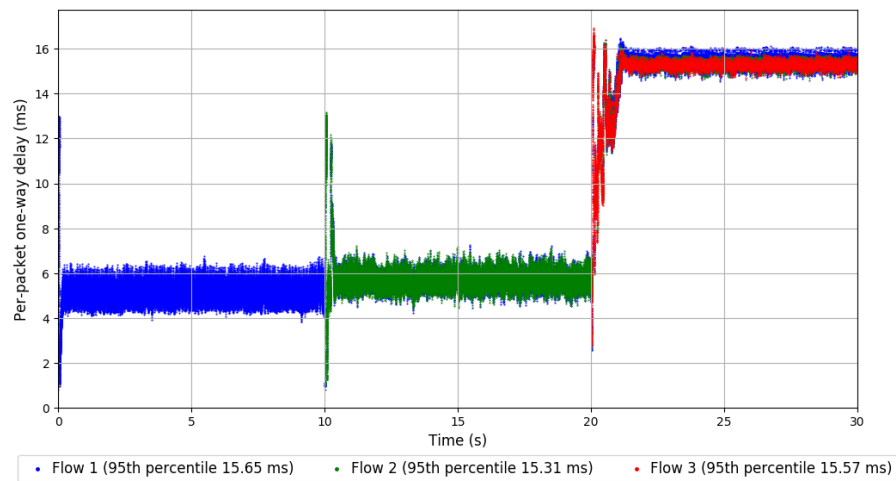
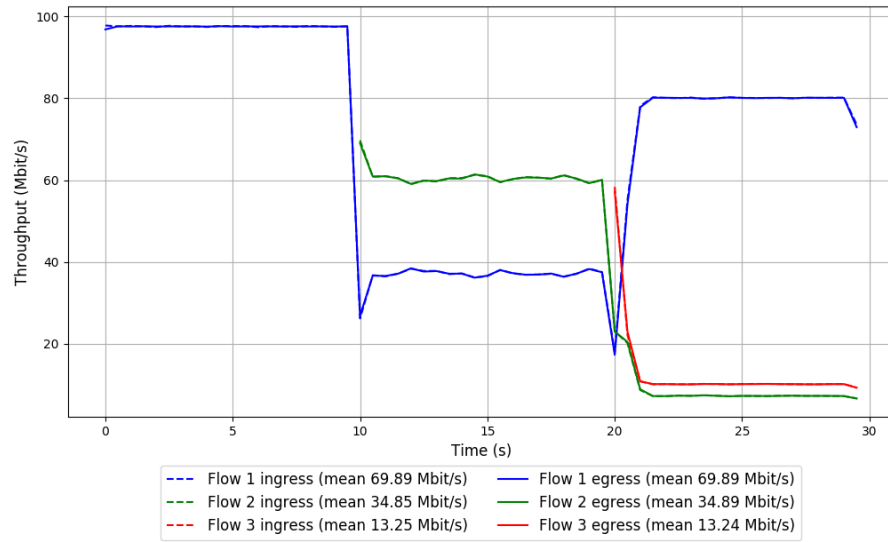


Run 8: Statistics of TCP BBR

Start at: 2018-03-13 16:44:08
End at: 2018-03-13 16:44:38
Local clock offset: -6.628 ms
Remote clock offset: -6.391 ms

Below is generated by plot.py at 2018-03-13 20:55:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 15.600 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 69.89 Mbit/s
95th percentile per-packet one-way delay: 15.654 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 34.89 Mbit/s
95th percentile per-packet one-way delay: 15.308 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 13.24 Mbit/s
95th percentile per-packet one-way delay: 15.567 ms
Loss rate: 0.12%

Run 8: Report of TCP BBR — Data Link

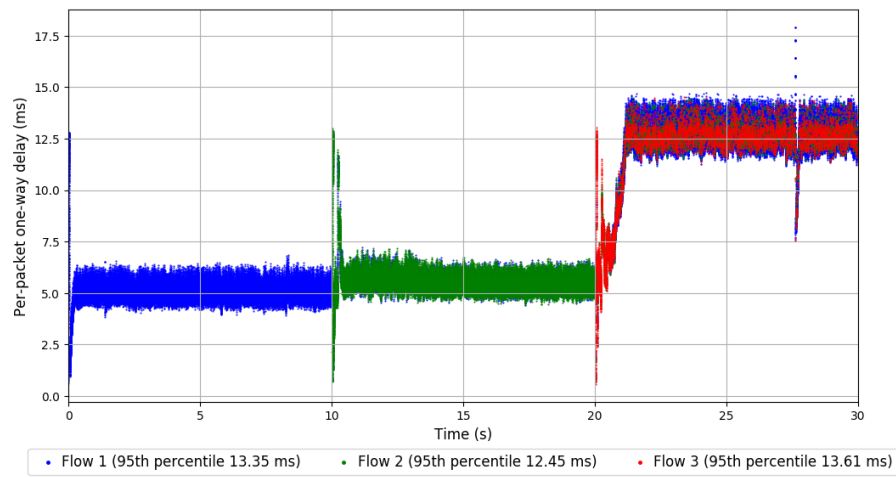
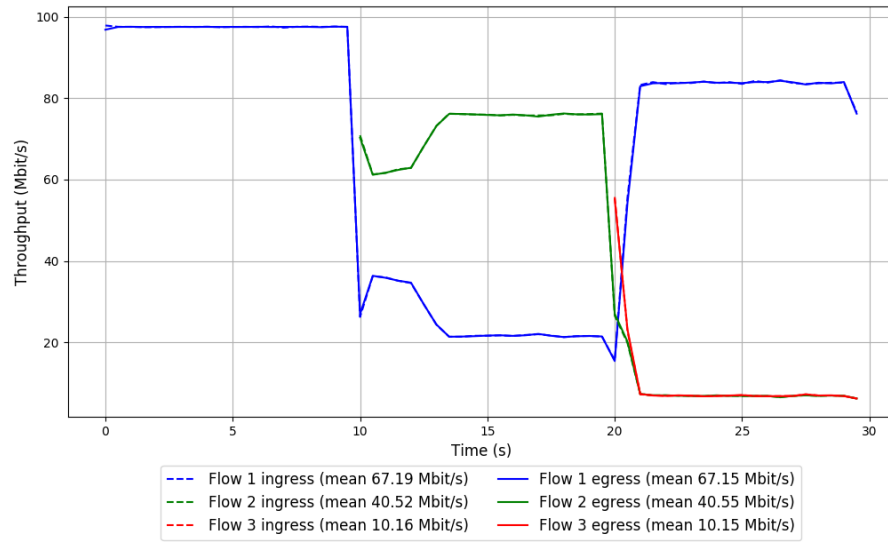


Run 9: Statistics of TCP BBR

Start at: 2018-03-13 17:04:26
End at: 2018-03-13 17:04:56
Local clock offset: -5.49 ms
Remote clock offset: -6.362 ms

Below is generated by plot.py at 2018-03-13 20:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 13.235 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.15 Mbit/s
95th percentile per-packet one-way delay: 13.349 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 12.450 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 13.607 ms
Loss rate: 0.10%

Run 9: Report of TCP BBR — Data Link

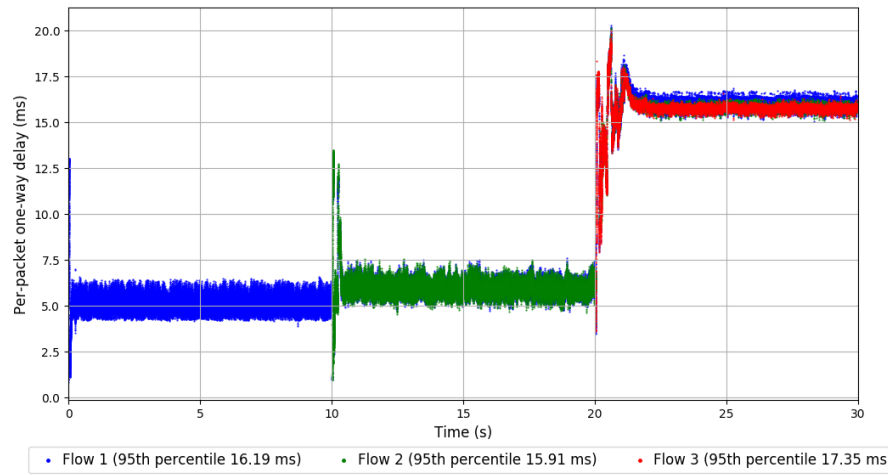
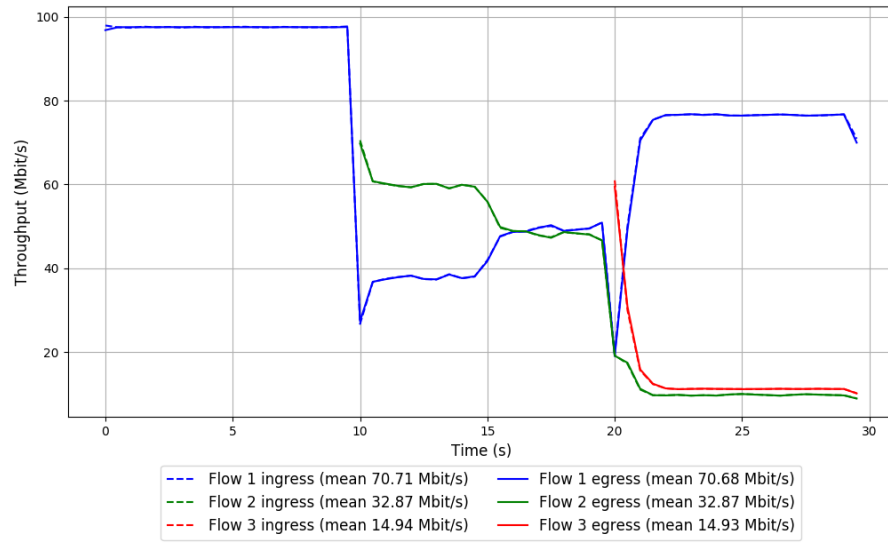


Run 10: Statistics of TCP BBR

Start at: 2018-03-13 17:24:47
End at: 2018-03-13 17:25:17
Local clock offset: -3.649 ms
Remote clock offset: -6.935 ms

Below is generated by plot.py at 2018-03-13 20:57:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.52 Mbit/s
95th percentile per-packet one-way delay: 16.175 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 16.194 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 15.907 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 17.352 ms
Loss rate: 0.13%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-03-13 14:20:10

End at: 2018-03-13 14:20:40

Local clock offset: -5.892 ms

Remote clock offset: -6.826 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-03-13 14:40:37

End at: 2018-03-13 14:41:07

Local clock offset: -5.577 ms

Remote clock offset: -13.52 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2018-03-13 15:01:01

End at: 2018-03-13 15:01:31

Local clock offset: -6.799 ms

Remote clock offset: -6.632 ms

Run 3: Report of TCP Cubic — Data Link

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Figure is missing

Run 4: Statistics of TCP Cubic

Start at: 2018-03-13 15:21:27

End at: 2018-03-13 15:21:57

Local clock offset: -3.839 ms

Remote clock offset: -6.778 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2018-03-13 15:41:51

End at: 2018-03-13 15:42:21

Local clock offset: -0.095 ms

Remote clock offset: -6.84 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-03-13 16:02:16

End at: 2018-03-13 16:02:46

Local clock offset: 1.957 ms

Remote clock offset: -6.848 ms

Run 6: Report of TCP Cubic — Data Link

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Figure is missing

Run 7: Statistics of TCP Cubic

Start at: 2018-03-13 16:22:42

End at: 2018-03-13 16:23:12

Local clock offset: 3.84 ms

Remote clock offset: -6.543 ms

Run 7: Report of TCP Cubic — Data Link

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Figure is missing

Run 8: Statistics of TCP Cubic

Start at: 2018-03-13 16:43:01

End at: 2018-03-13 16:43:31

Local clock offset: -6.386 ms

Remote clock offset: -6.398 ms

Run 8: Report of TCP Cubic — Data Link

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Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-03-13 17:03:19

End at: 2018-03-13 17:03:49

Local clock offset: -5.748 ms

Remote clock offset: -6.363 ms

Run 9: Report of TCP Cubic — Data Link

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Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-03-13 17:23:40

End at: 2018-03-13 17:24:10

Local clock offset: -3.76 ms

Remote clock offset: -6.996 ms

Run 10: Report of TCP Cubic — Data Link

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Figure is missing

Run 1: Statistics of LEDBAT

Start at: 2018-03-13 14:03:04

End at: 2018-03-13 14:03:34

Local clock offset: -6.341 ms

Remote clock offset: -6.736 ms

Run 1: Report of LEDBAT — Data Link

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Figure is missing

Run 2: Statistics of LEDBAT

Start at: 2018-03-13 14:23:33

End at: 2018-03-13 14:24:03

Local clock offset: -5.811 ms

Remote clock offset: -6.907 ms

Run 2: Report of LEDBAT — Data Link

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Figure is missing

Run 3: Statistics of LEDBAT

Start at: 2018-03-13 14:43:59

End at: 2018-03-13 14:44:29

Local clock offset: -5.927 ms

Remote clock offset: -6.583 ms

Run 3: Report of LEDBAT — Data Link

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Figure is missing

Run 4: Statistics of LEDBAT

Start at: 2018-03-13 15:04:23

End at: 2018-03-13 15:04:53

Local clock offset: -6.787 ms

Remote clock offset: -6.703 ms

Run 4: Report of LEDBAT — Data Link

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Figure is missing

Run 5: Statistics of LEDBAT

Start at: 2018-03-13 15:24:49

End at: 2018-03-13 15:25:19

Local clock offset: -2.792 ms

Remote clock offset: -6.761 ms

Run 5: Report of LEDBAT — Data Link

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Figure is missing

Run 6: Statistics of LEDBAT

Start at: 2018-03-13 15:45:13

End at: 2018-03-13 15:45:43

Local clock offset: 0.27 ms

Remote clock offset: -6.845 ms

Run 6: Report of LEDBAT — Data Link

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Run 7: Statistics of LEDBAT

Start at: 2018-03-13 16:05:39

End at: 2018-03-13 16:06:09

Local clock offset: 2.284 ms

Remote clock offset: -6.744 ms

Run 7: Report of LEDBAT — Data Link

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Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-03-13 16:26:03

End at: 2018-03-13 16:26:33

Local clock offset: 0.788 ms

Remote clock offset: -6.457 ms

Run 8: Report of LEDBAT — Data Link

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Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-03-13 16:46:23

End at: 2018-03-13 16:46:53

Local clock offset: -6.977 ms

Remote clock offset: -6.403 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-03-13 17:06:42

End at: 2018-03-13 17:07:13

Local clock offset: -4.981 ms

Remote clock offset: -6.367 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

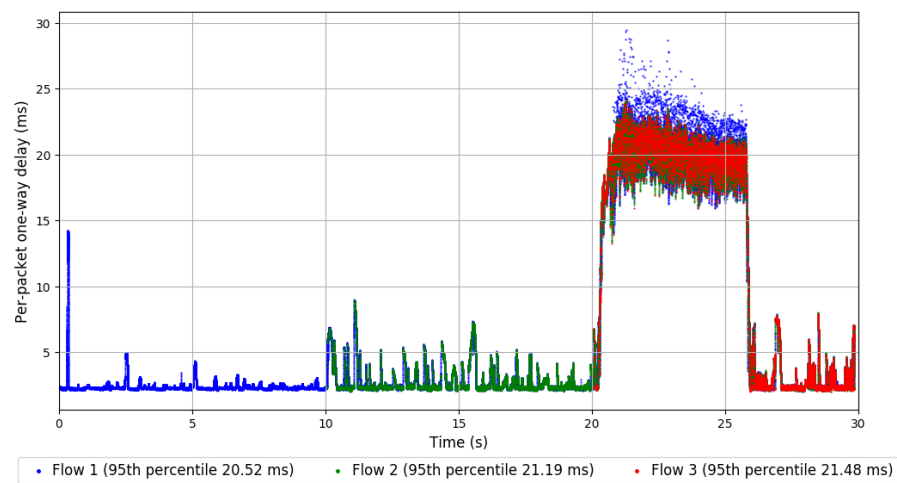
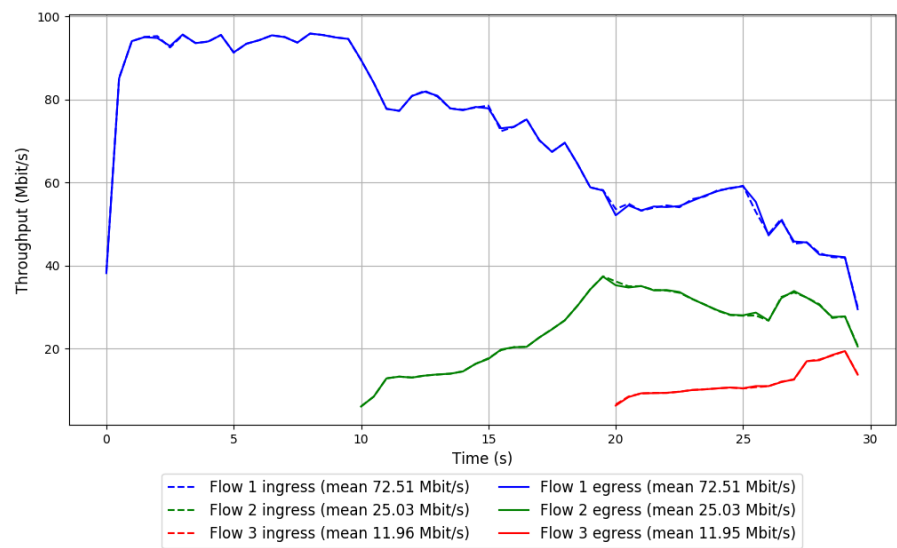
Figure is missing

Run 1: Statistics of PCC

Start at: 2018-03-13 14:12:10
End at: 2018-03-13 14:12:40
Local clock offset: -6.133 ms
Remote clock offset: -6.856 ms

Below is generated by plot.py at 2018-03-13 20:57:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 20.806 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 72.51 Mbit/s
95th percentile per-packet one-way delay: 20.522 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 21.187 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 21.477 ms
Loss rate: 0.10%

Run 1: Report of PCC — Data Link

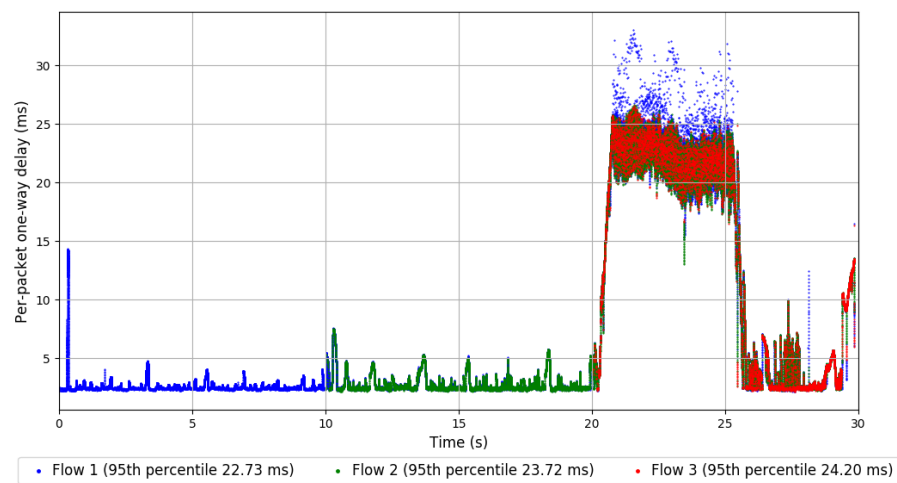
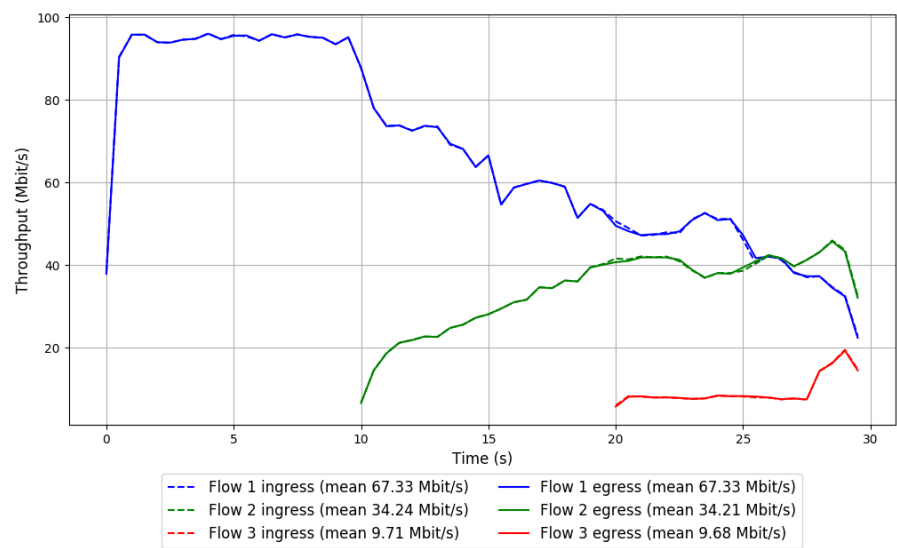


Run 2: Statistics of PCC

Start at: 2018-03-13 14:32:37
End at: 2018-03-13 14:33:07
Local clock offset: -5.584 ms
Remote clock offset: -6.658 ms

Below is generated by plot.py at 2018-03-13 20:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 23.233 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 22.727 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 23.721 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 9.68 Mbit/s
95th percentile per-packet one-way delay: 24.200 ms
Loss rate: 0.32%

Run 2: Report of PCC — Data Link

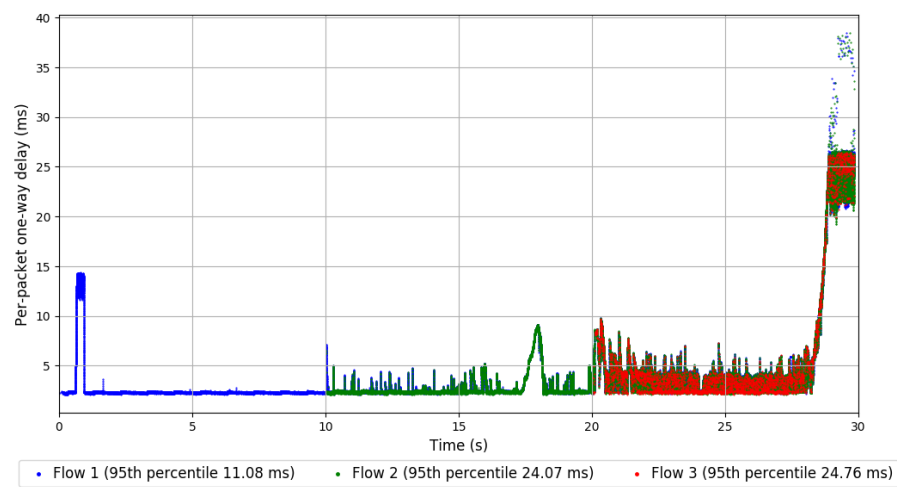
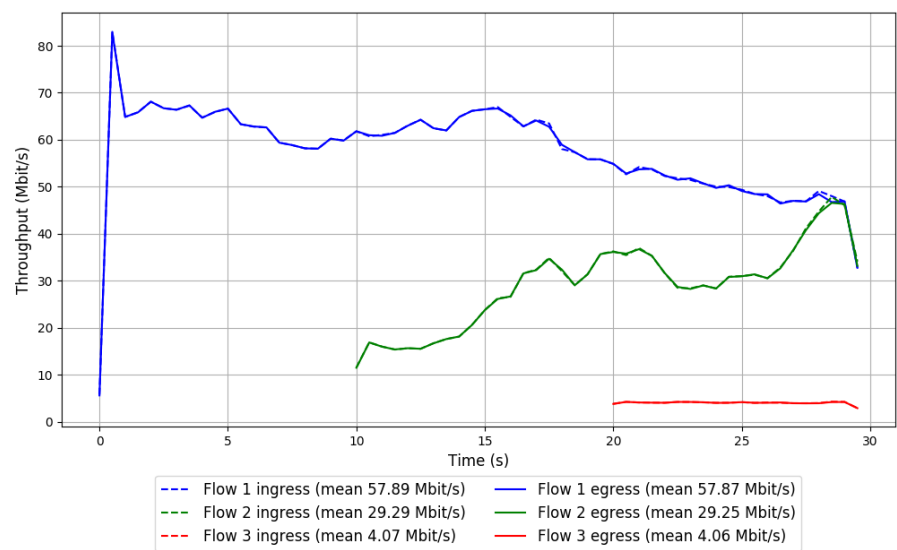


Run 3: Statistics of PCC

Start at: 2018-03-13 14:53:01
End at: 2018-03-13 14:53:31
Local clock offset: -6.564 ms
Remote clock offset: -6.568 ms

Below is generated by plot.py at 2018-03-13 20:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.65 Mbit/s
95th percentile per-packet one-way delay: 14.157 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 57.87 Mbit/s
95th percentile per-packet one-way delay: 11.083 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 29.25 Mbit/s
95th percentile per-packet one-way delay: 24.070 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 24.761 ms
Loss rate: 0.24%

Run 3: Report of PCC — Data Link

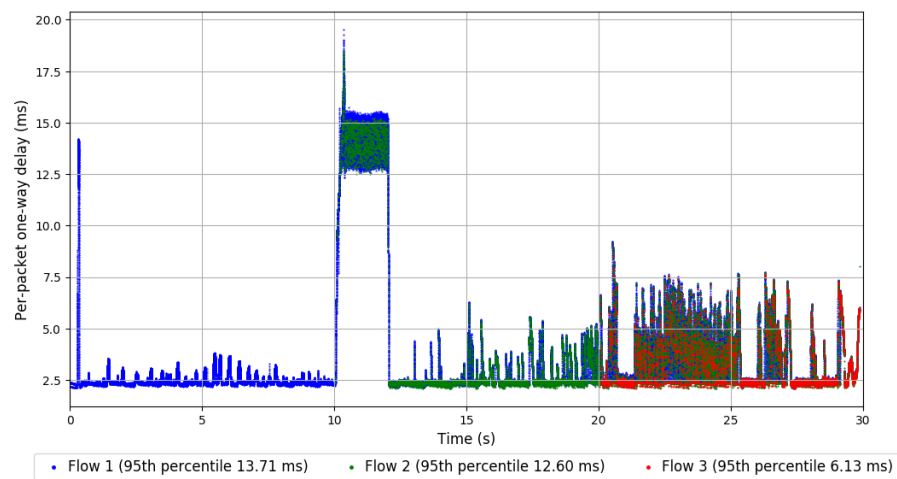
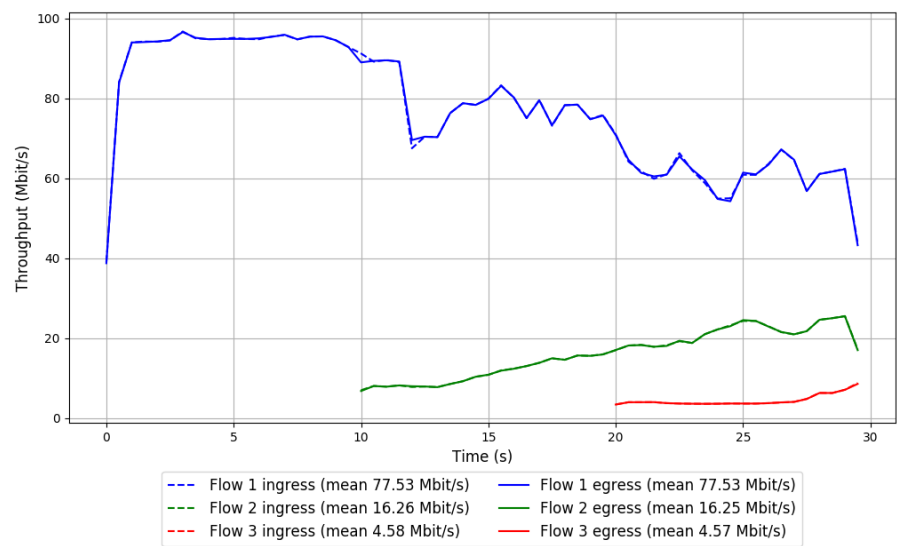


Run 4: Statistics of PCC

Start at: 2018-03-13 15:13:27
End at: 2018-03-13 15:13:57
Local clock offset: -6.973 ms
Remote clock offset: -6.691 ms

Below is generated by plot.py at 2018-03-13 20:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.82 Mbit/s
95th percentile per-packet one-way delay: 13.584 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.53 Mbit/s
95th percentile per-packet one-way delay: 13.708 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 16.25 Mbit/s
95th percentile per-packet one-way delay: 12.603 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.57 Mbit/s
95th percentile per-packet one-way delay: 6.129 ms
Loss rate: 0.27%

Run 4: Report of PCC — Data Link

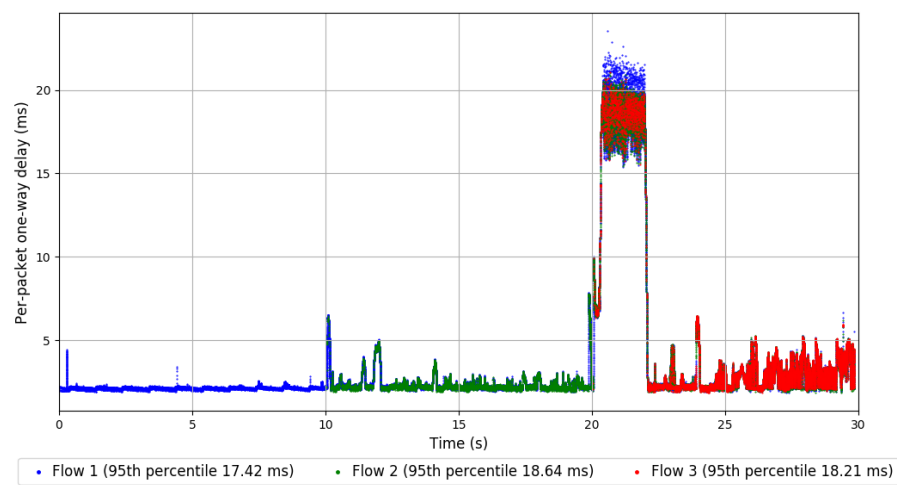
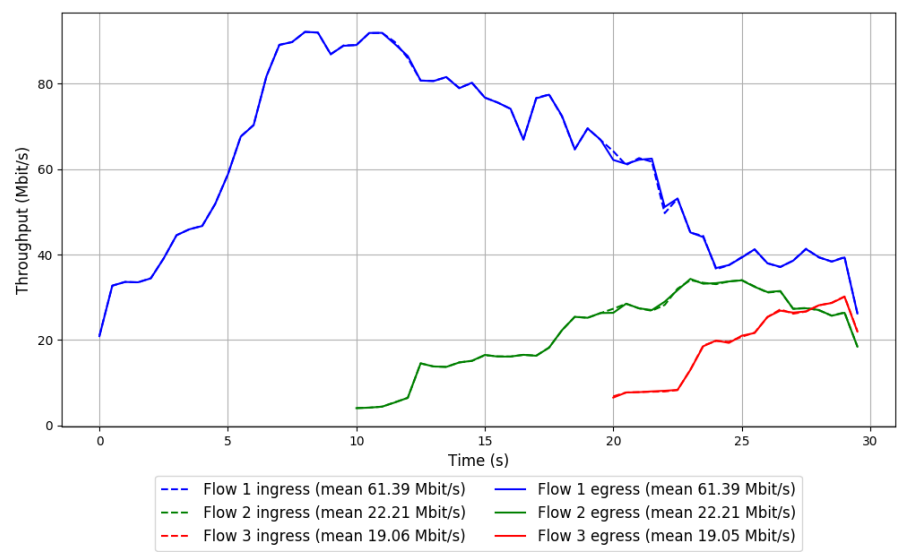


Run 5: Statistics of PCC

Start at: 2018-03-13 15:33:52
End at: 2018-03-13 15:34:22
Local clock offset: -1.201 ms
Remote clock offset: -6.739 ms

Below is generated by plot.py at 2018-03-13 20:57:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 17.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 17.416 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.21 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 18.210 ms
Loss rate: 0.10%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-03-13 15:54:17

End at: 2018-03-13 15:54:47

Local clock offset: 1.15 ms

Remote clock offset: -6.9 ms

Below is generated by plot.py at 2018-03-13 20:57:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.10 Mbit/s

95th percentile per-packet one-way delay: 7.149 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 69.31 Mbit/s

95th percentile per-packet one-way delay: 6.526 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 26.45 Mbit/s

95th percentile per-packet one-way delay: 8.215 ms

Loss rate: 0.16%

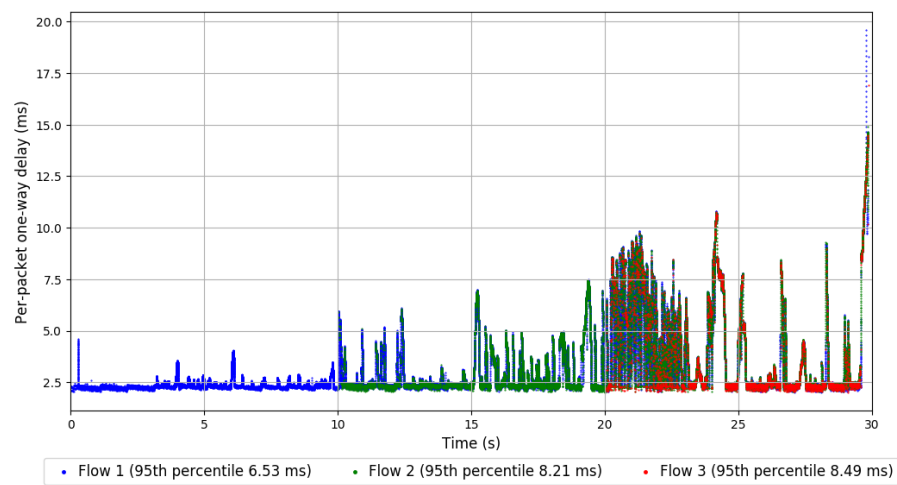
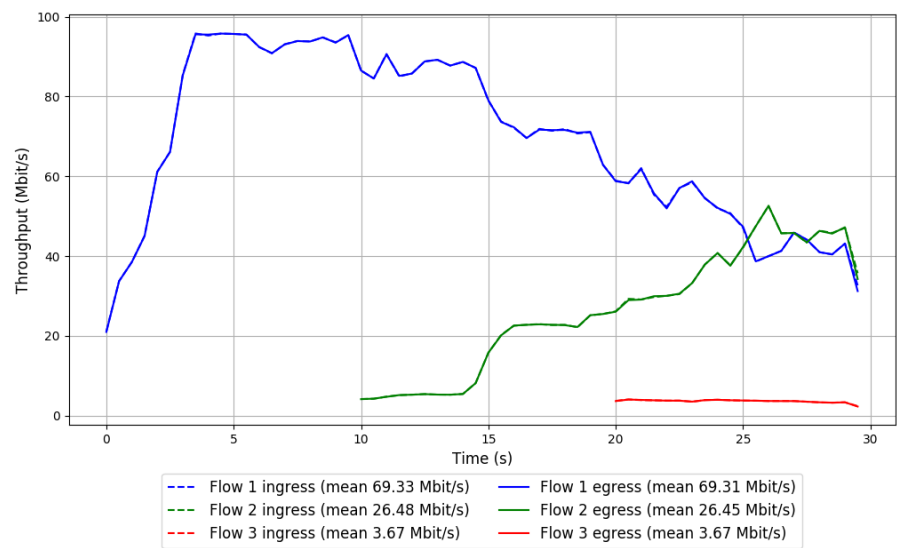
-- Flow 3:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 8.486 ms

Loss rate: 0.13%

Run 6: Report of PCC — Data Link

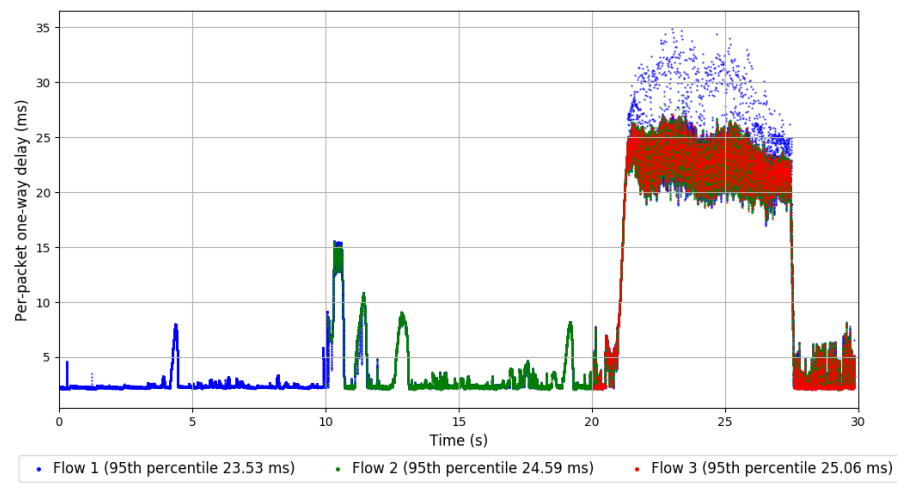
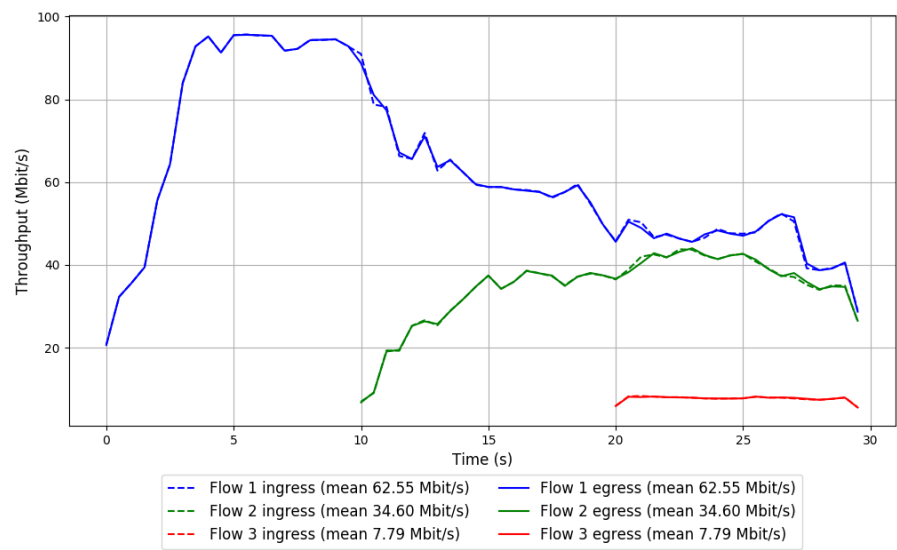


Run 7: Statistics of PCC

Start at: 2018-03-13 16:14:44
End at: 2018-03-13 16:15:14
Local clock offset: 3.124 ms
Remote clock offset: -6.552 ms

Below is generated by plot.py at 2018-03-13 20:58:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 24.101 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 23.530 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 24.593 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 25.061 ms
Loss rate: 0.06%

Run 7: Report of PCC — Data Link

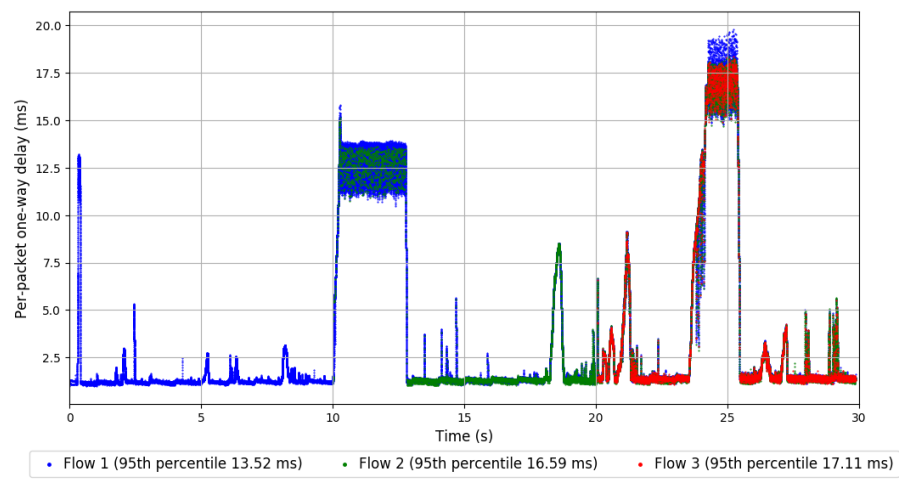
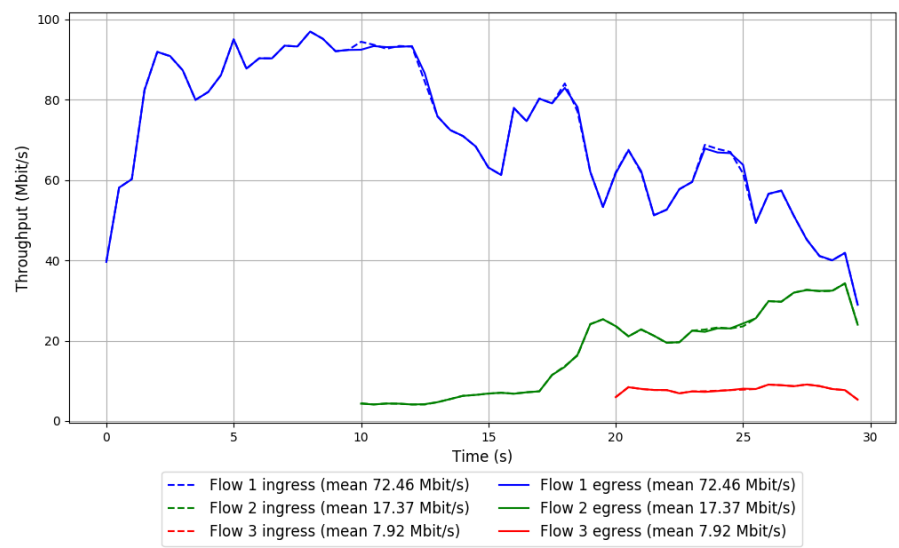


Run 8: Statistics of PCC

Start at: 2018-03-13 16:35:05
End at: 2018-03-13 16:35:35
Local clock offset: -4.328 ms
Remote clock offset: -6.506 ms

Below is generated by plot.py at 2018-03-13 20:58:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 72.46 Mbit/s
95th percentile per-packet one-way delay: 13.524 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 16.587 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 7.92 Mbit/s
95th percentile per-packet one-way delay: 17.105 ms
Loss rate: 0.02%

Run 8: Report of PCC — Data Link

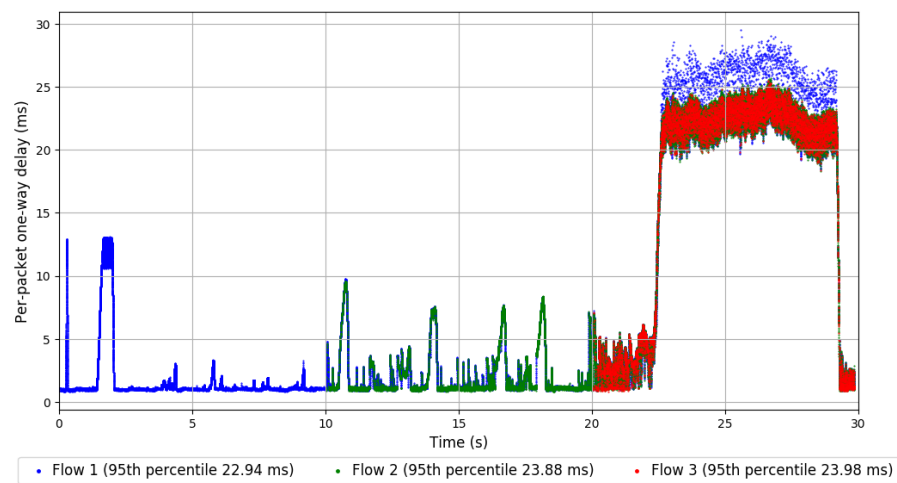
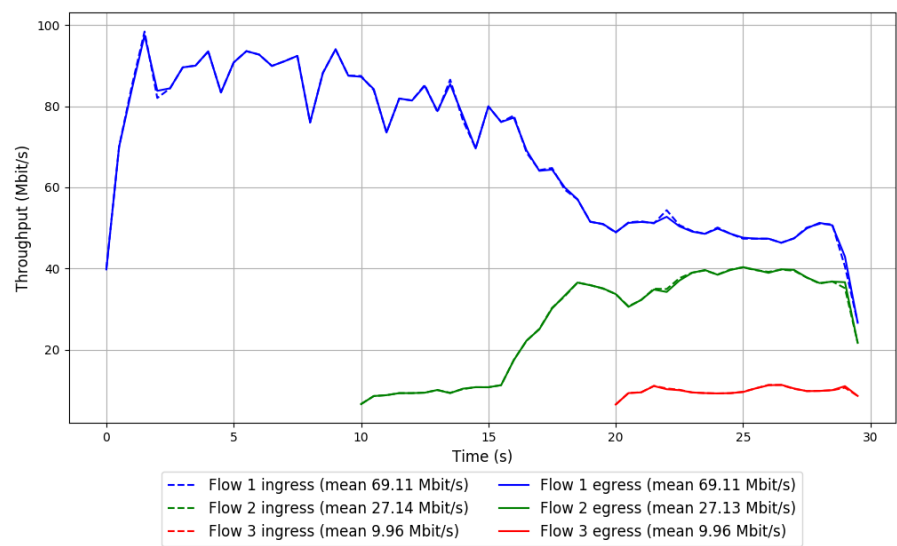


Run 9: Statistics of PCC

Start at: 2018-03-13 16:55:25
End at: 2018-03-13 16:55:55
Local clock offset: -8.08 ms
Remote clock offset: -6.405 ms

Below is generated by plot.py at 2018-03-13 20:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.40 Mbit/s
95th percentile per-packet one-way delay: 23.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.11 Mbit/s
95th percentile per-packet one-way delay: 22.938 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.13 Mbit/s
95th percentile per-packet one-way delay: 23.882 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 23.983 ms
Loss rate: 0.01%

Run 9: Report of PCC — Data Link

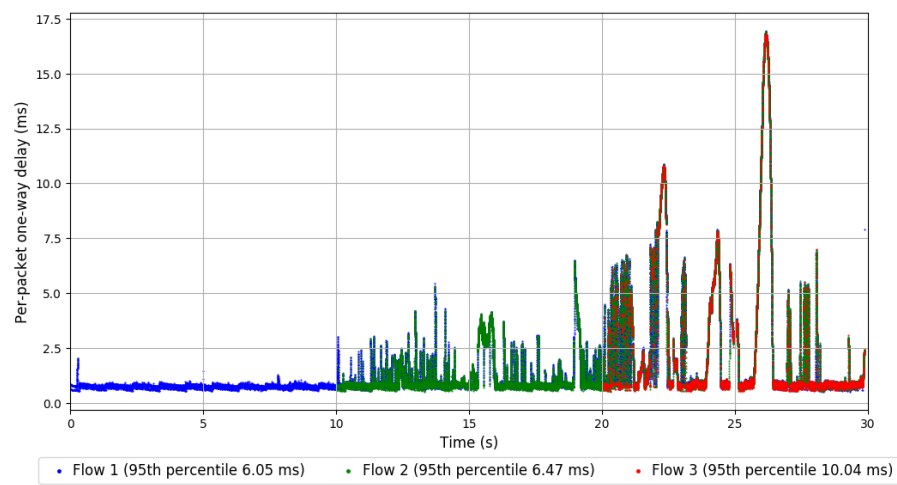
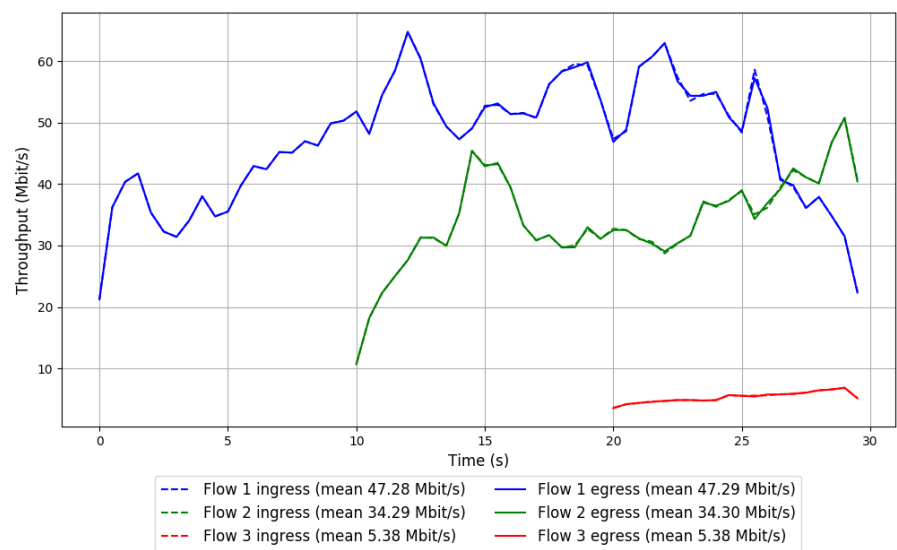


Run 10: Statistics of PCC

Start at: 2018-03-13 17:15:44
End at: 2018-03-13 17:16:14
Local clock offset: -4.07 ms
Remote clock offset: -6.713 ms

Below is generated by plot.py at 2018-03-13 20:58:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.86 Mbit/s
95th percentile per-packet one-way delay: 6.275 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 6.055 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 6.467 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 10.044 ms
Loss rate: 0.05%

Run 10: Report of PCC — Data Link

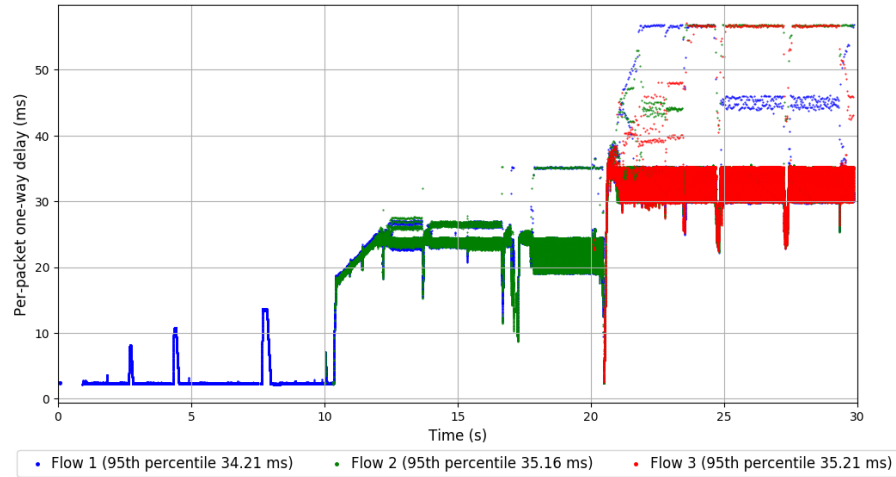
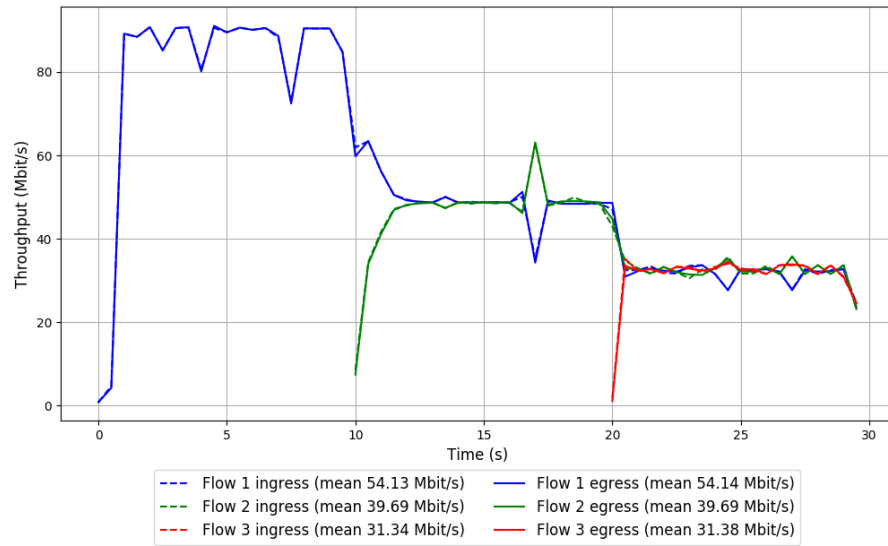


Run 1: Statistics of QUIC Cubic

Start at: 2018-03-13 14:22:25
End at: 2018-03-13 14:22:55
Local clock offset: -5.842 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-03-13 20:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.82 Mbit/s
95th percentile per-packet one-way delay: 35.108 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 54.14 Mbit/s
95th percentile per-packet one-way delay: 34.207 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 35.161 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 35.211 ms
Loss rate: 0.35%

Run 1: Report of QUIC Cubic — Data Link

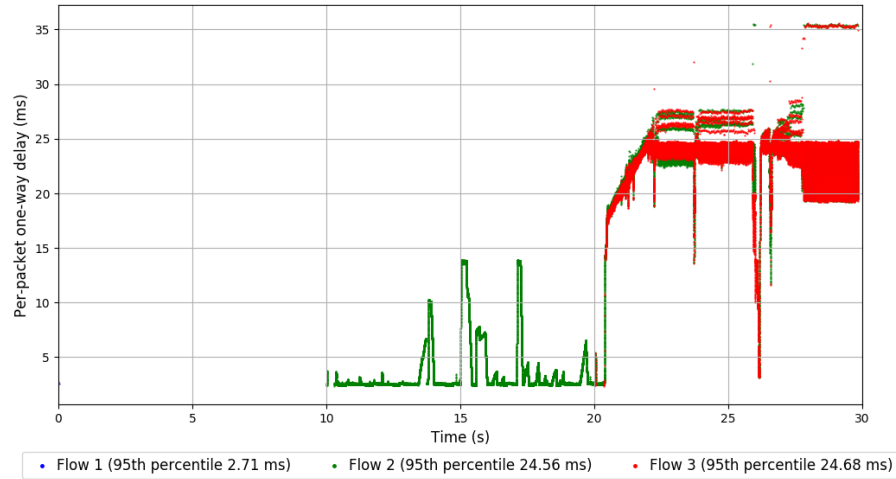
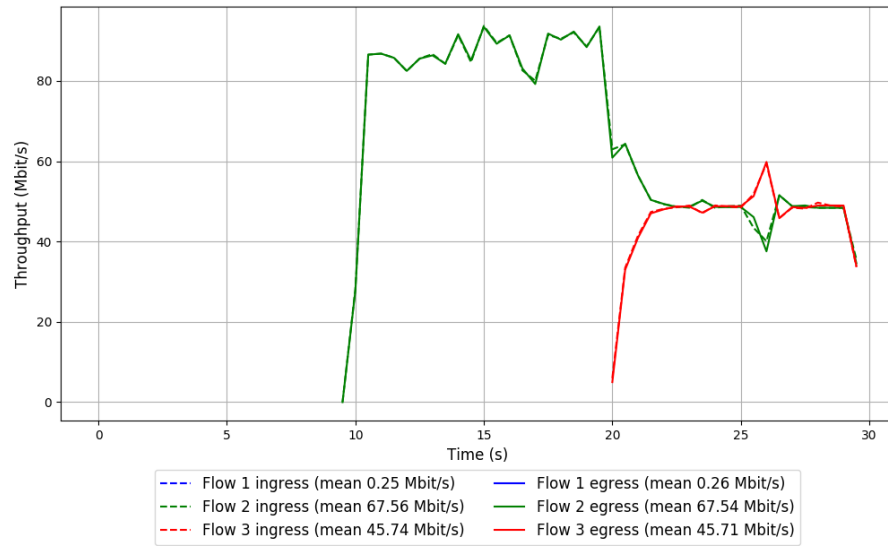


Run 2: Statistics of QUIC Cubic

Start at: 2018-03-13 14:42:52
End at: 2018-03-13 14:43:22
Local clock offset: -5.839 ms
Remote clock offset: -6.626 ms

Below is generated by plot.py at 2018-03-13 20:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.00 Mbit/s
95th percentile per-packet one-way delay: 24.603 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 2.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 24.562 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 24.681 ms
Loss rate: 0.24%

Run 2: Report of QUIC Cubic — Data Link

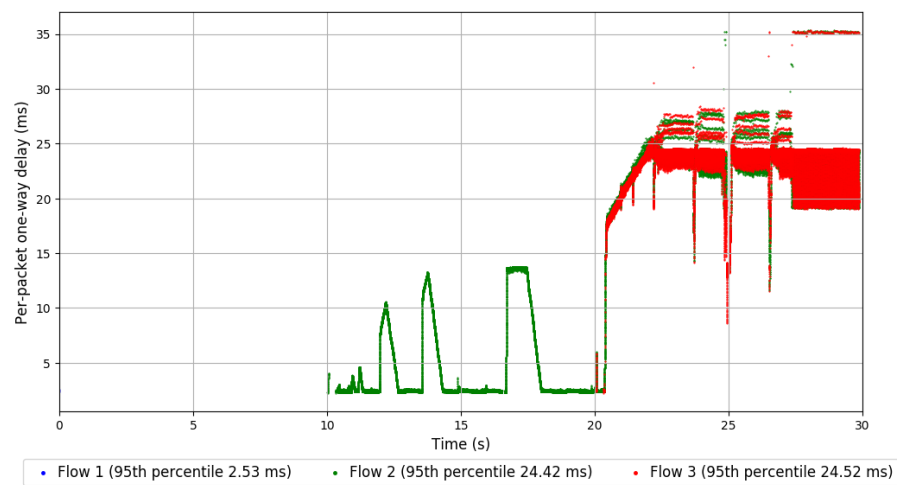
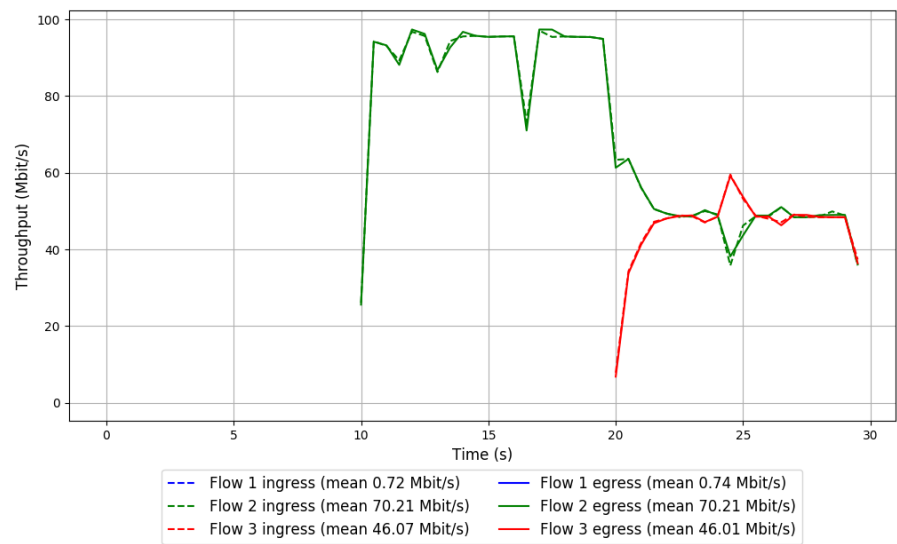


Run 3: Statistics of QUIC Cubic

Start at: 2018-03-13 15:03:16
End at: 2018-03-13 15:03:46
Local clock offset: -6.784 ms
Remote clock offset: -6.615 ms

Below is generated by plot.py at 2018-03-13 20:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 24.456 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 2.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.21 Mbit/s
95th percentile per-packet one-way delay: 24.422 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.01 Mbit/s
95th percentile per-packet one-way delay: 24.519 ms
Loss rate: 0.34%

Run 3: Report of QUIC Cubic — Data Link

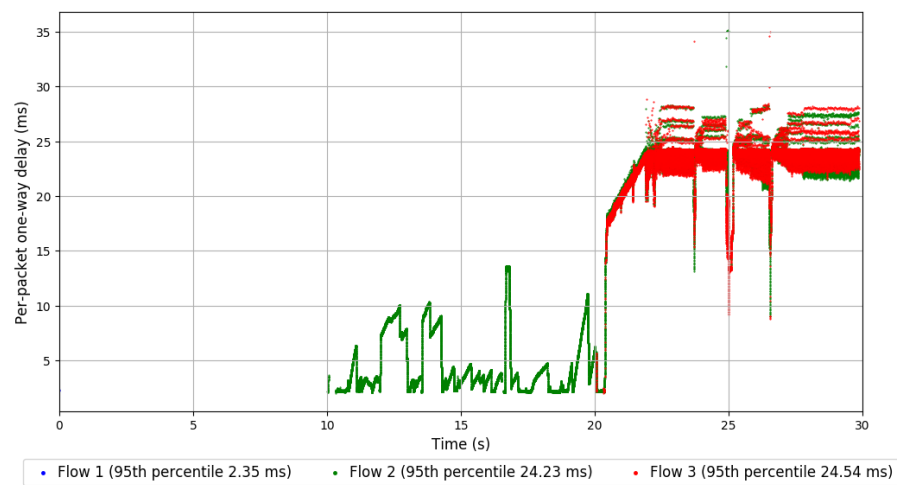
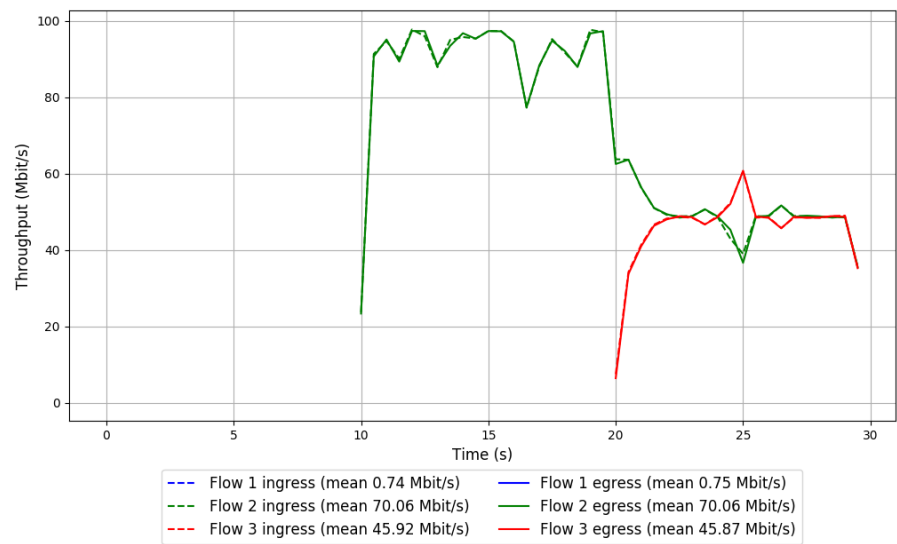


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-13 15:23:42
End at: 2018-03-13 15:24:12
Local clock offset: -3.095 ms
Remote clock offset: -6.697 ms

Below is generated by plot.py at 2018-03-13 20:58:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 24.263 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 24.226 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 45.87 Mbit/s
95th percentile per-packet one-way delay: 24.535 ms
Loss rate: 0.30%

Run 4: Report of QUIC Cubic — Data Link

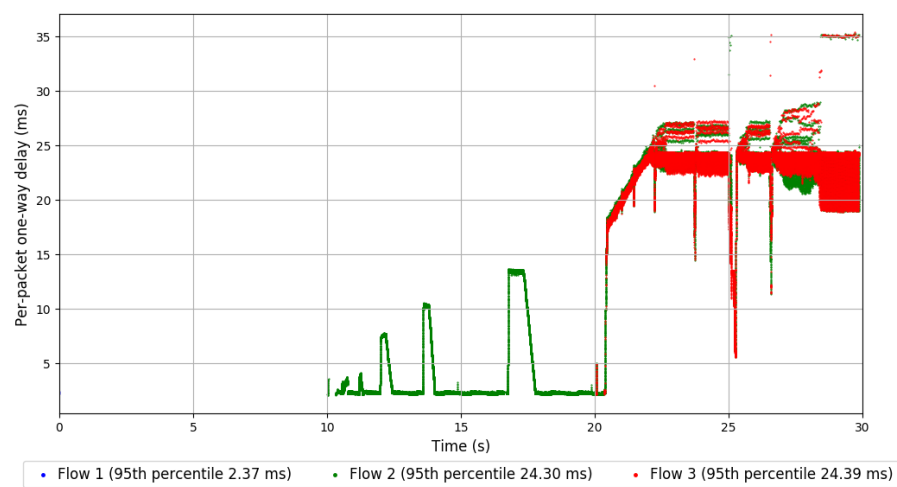
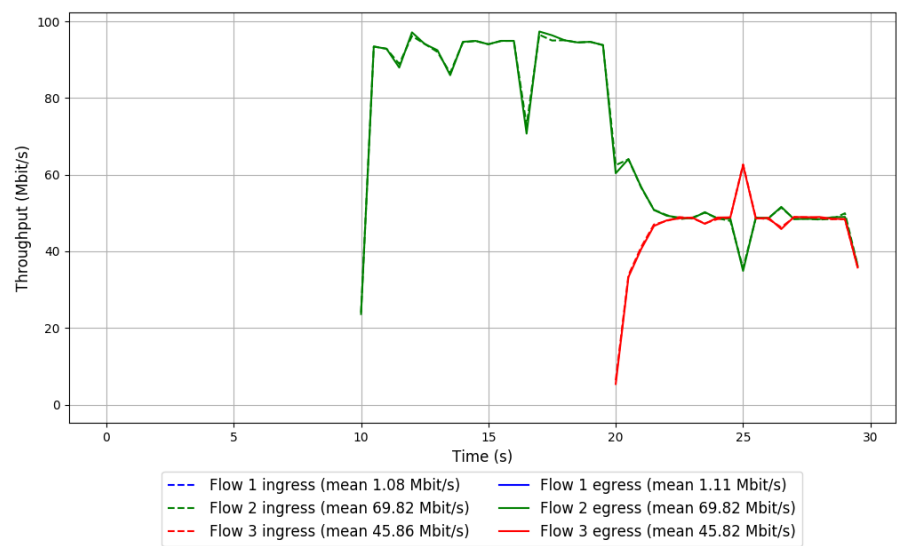


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-13 15:44:06
End at: 2018-03-13 15:44:36
Local clock offset: 0.146 ms
Remote clock offset: -6.781 ms

Below is generated by plot.py at 2018-03-13 20:59:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 24.325 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.82 Mbit/s
95th percentile per-packet one-way delay: 24.297 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.82 Mbit/s
95th percentile per-packet one-way delay: 24.388 ms
Loss rate: 0.24%

Run 5: Report of QUIC Cubic — Data Link

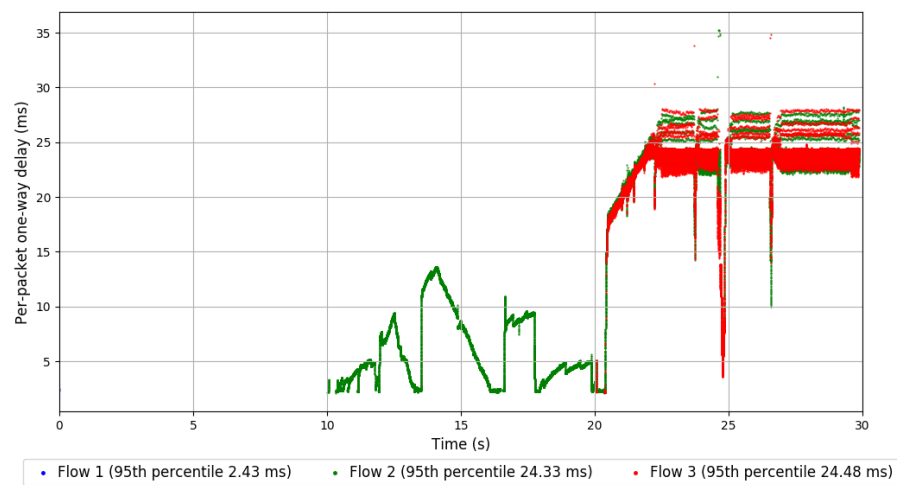
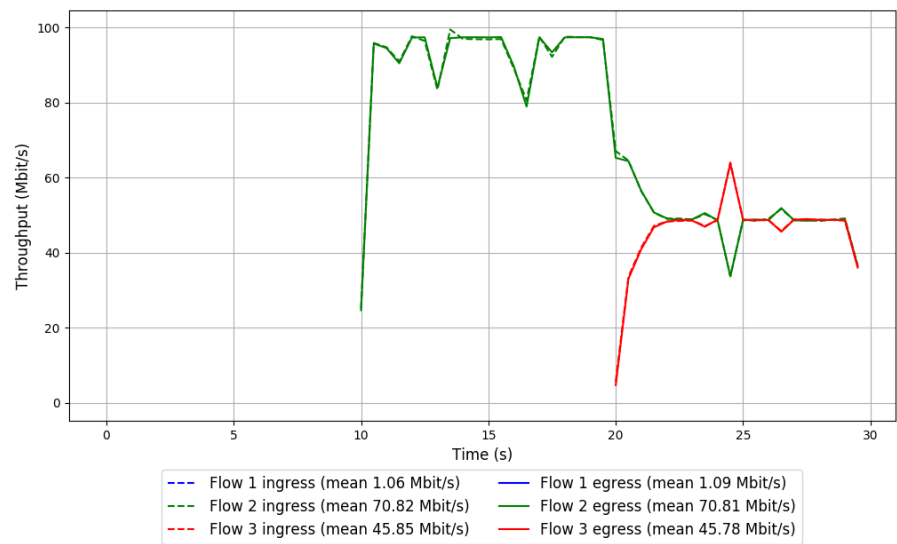


Run 6: Statistics of QUIC Cubic

Start at: 2018-03-13 16:04:31
End at: 2018-03-13 16:05:02
Local clock offset: 2.11 ms
Remote clock offset: -6.772 ms

Below is generated by plot.py at 2018-03-13 20:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.17 Mbit/s
95th percentile per-packet one-way delay: 24.360 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.81 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 24.484 ms
Loss rate: 0.28%

Run 6: Report of QUIC Cubic — Data Link

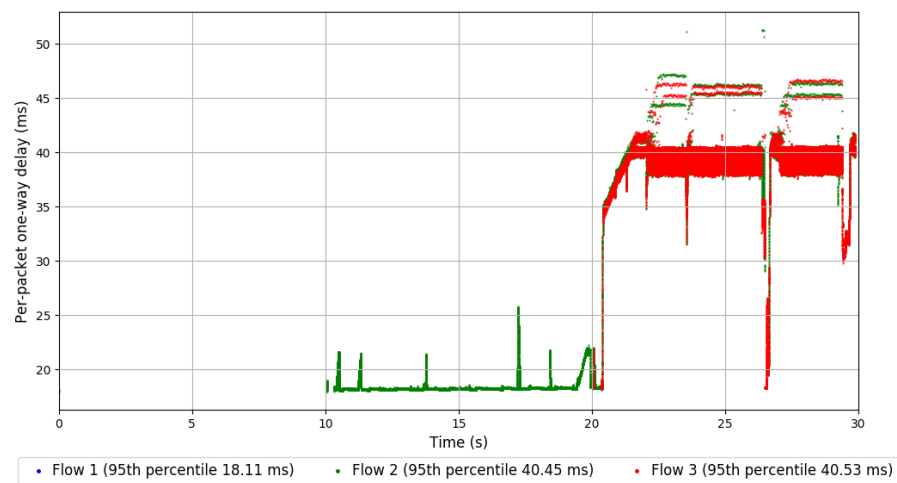
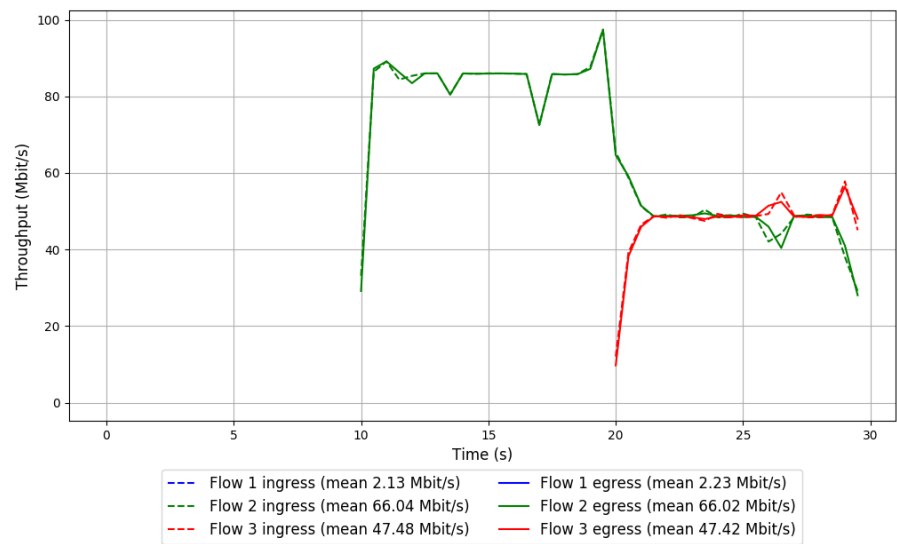


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-13 16:24:57
End at: 2018-03-13 16:25:27
Local clock offset: 1.83 ms
Remote clock offset: -22.946 ms

Below is generated by plot.py at 2018-03-13 20:59:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 40.478 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 18.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 40.445 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 40.534 ms
Loss rate: 0.23%

Run 7: Report of QUIC Cubic — Data Link

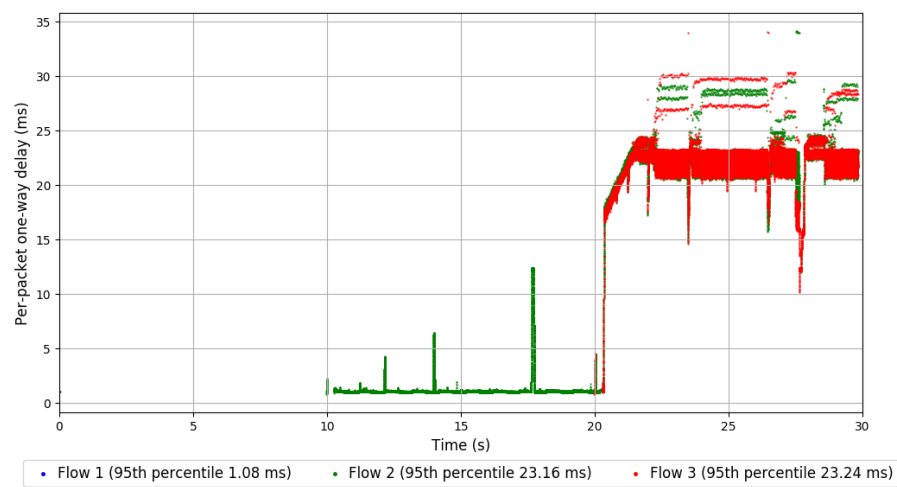
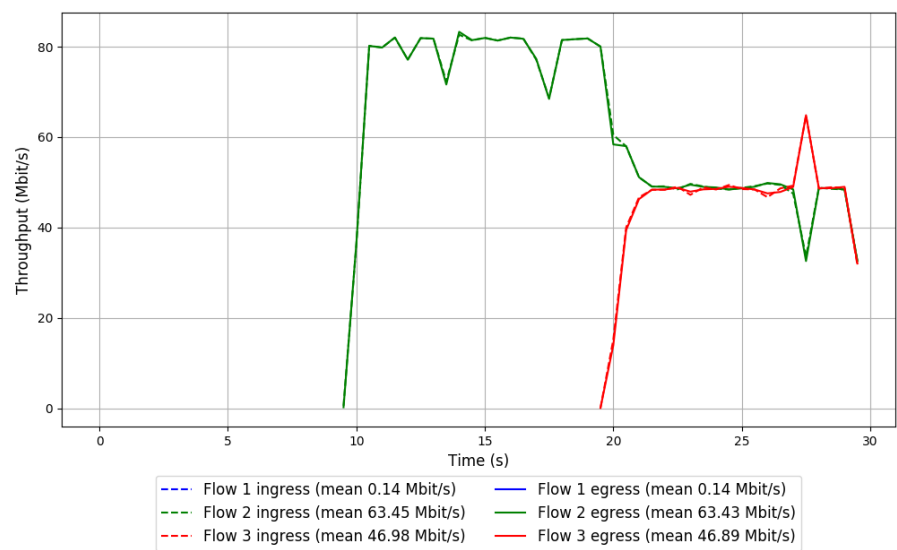


Run 8: Statistics of QUIC Cubic

Start at: 2018-03-13 16:45:16
End at: 2018-03-13 16:45:46
Local clock offset: -6.835 ms
Remote clock offset: -6.412 ms

Below is generated by plot.py at 2018-03-13 20:59:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 23.185 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 1.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.43 Mbit/s
95th percentile per-packet one-way delay: 23.156 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 23.240 ms
Loss rate: 0.20%

Run 8: Report of QUIC Cubic — Data Link

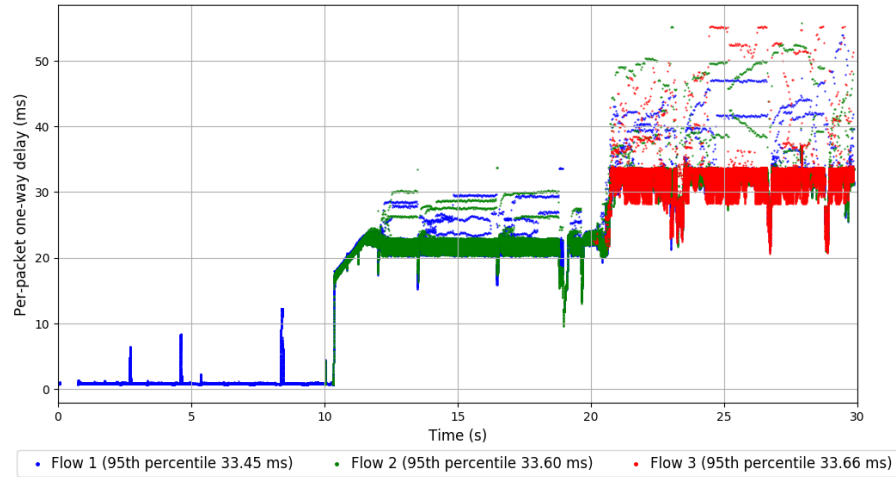
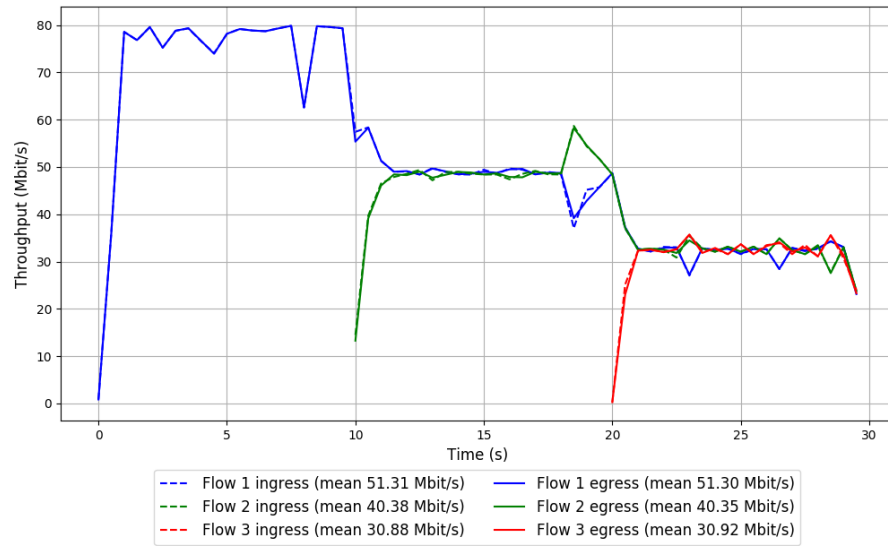


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-13 17:05:34
End at: 2018-03-13 17:06:04
Local clock offset: -5.207 ms
Remote clock offset: -6.361 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 33.580 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 51.30 Mbit/s
95th percentile per-packet one-way delay: 33.449 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 33.603 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 33.663 ms
Loss rate: 0.35%

Run 9: Report of QUIC Cubic — Data Link

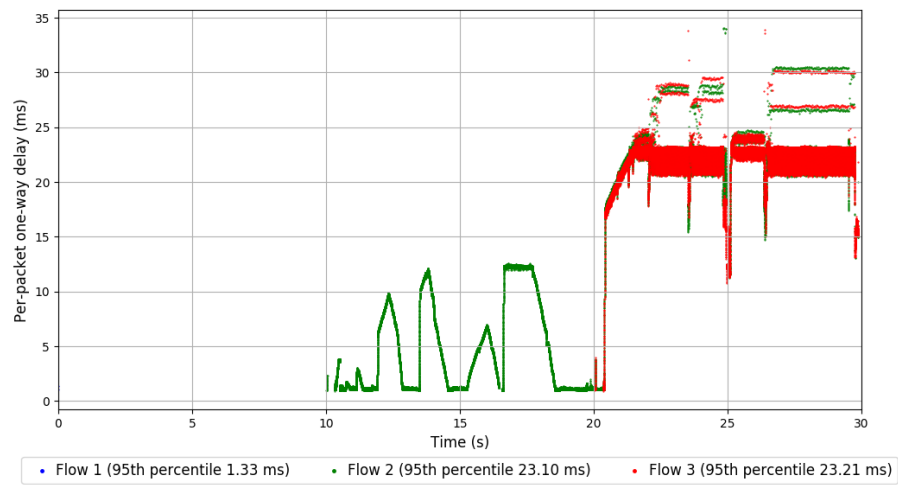
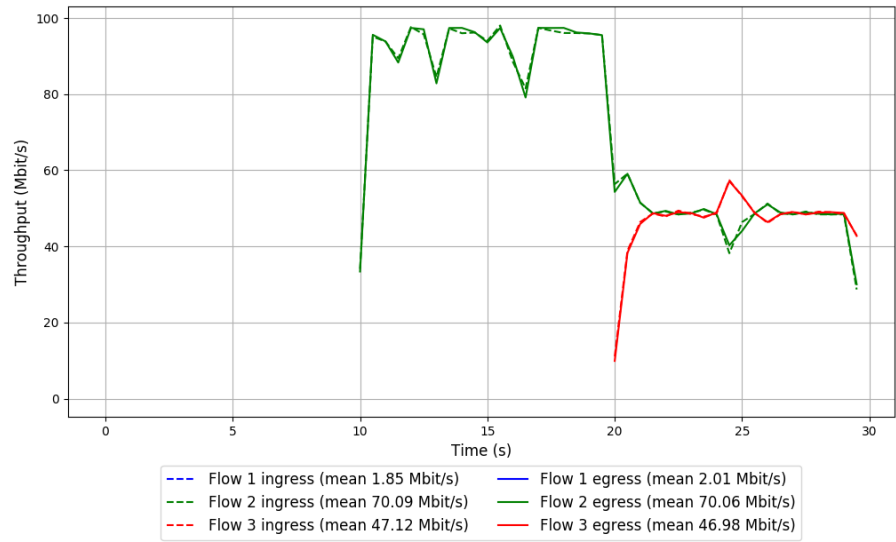


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-13 17:25:55
End at: 2018-03-13 17:26:25
Local clock offset: -3.635 ms
Remote clock offset: -7.048 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 23.139 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 1.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 23.099 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 23.207 ms
Loss rate: 0.24%

Run 10: Report of QUIC Cubic — Data Link

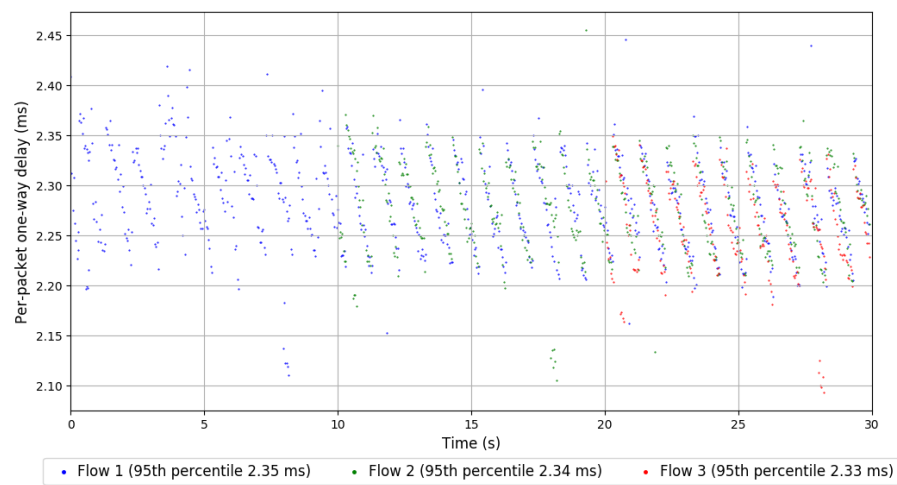
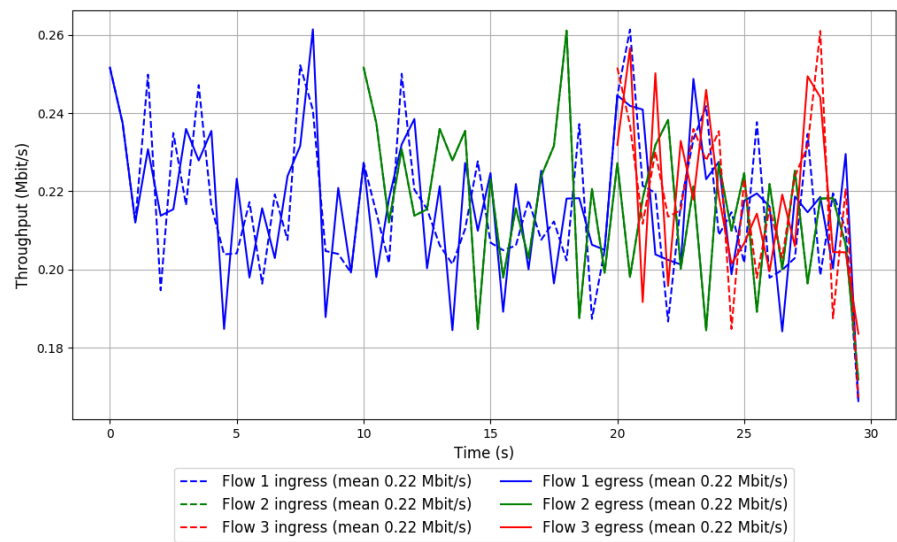


Run 1: Statistics of SReAM

Start at: 2018-03-13 14:10:02
End at: 2018-03-13 14:10:32
Local clock offset: -6.202 ms
Remote clock offset: -6.851 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.325 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

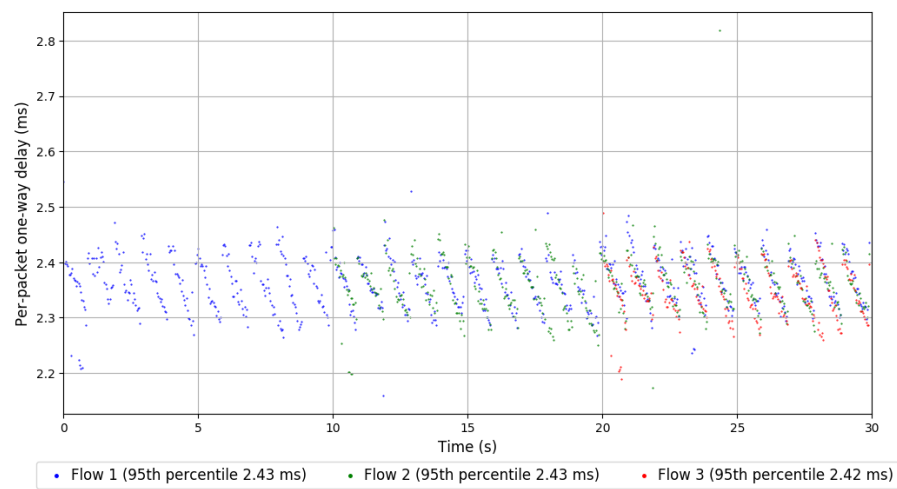
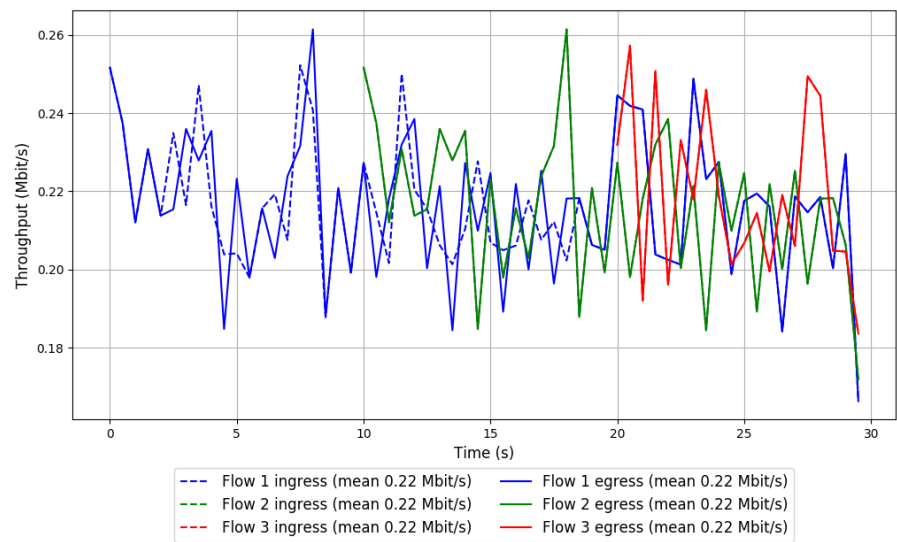


Run 2: Statistics of SReAM

Start at: 2018-03-13 14:30:29
End at: 2018-03-13 14:30:59
Local clock offset: -5.641 ms
Remote clock offset: -6.676 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.433 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.416 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

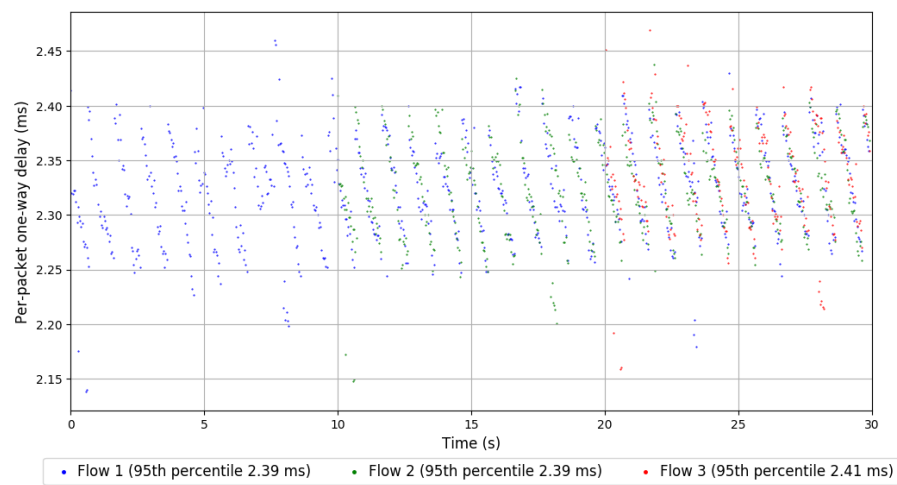
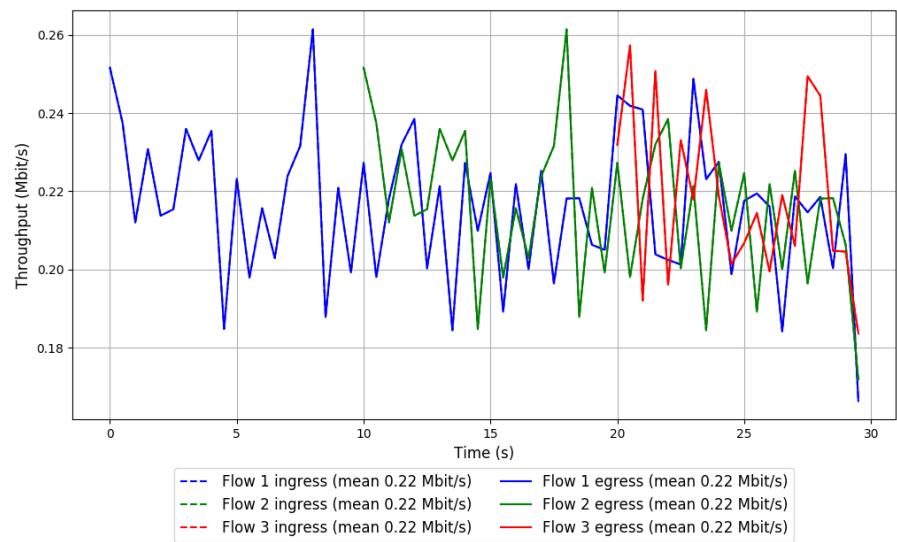


Run 3: Statistics of SReAM

Start at: 2018-03-13 14:50:53
End at: 2018-03-13 14:51:23
Local clock offset: -6.56 ms
Remote clock offset: -6.643 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.406 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

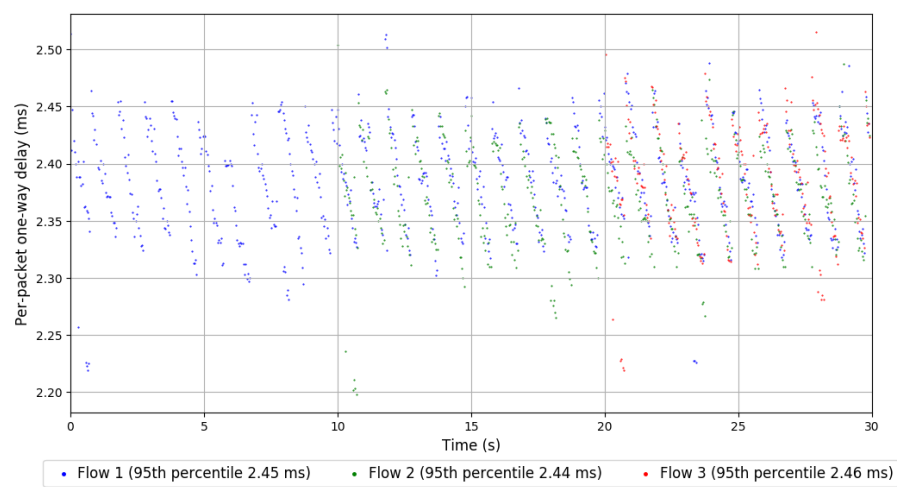
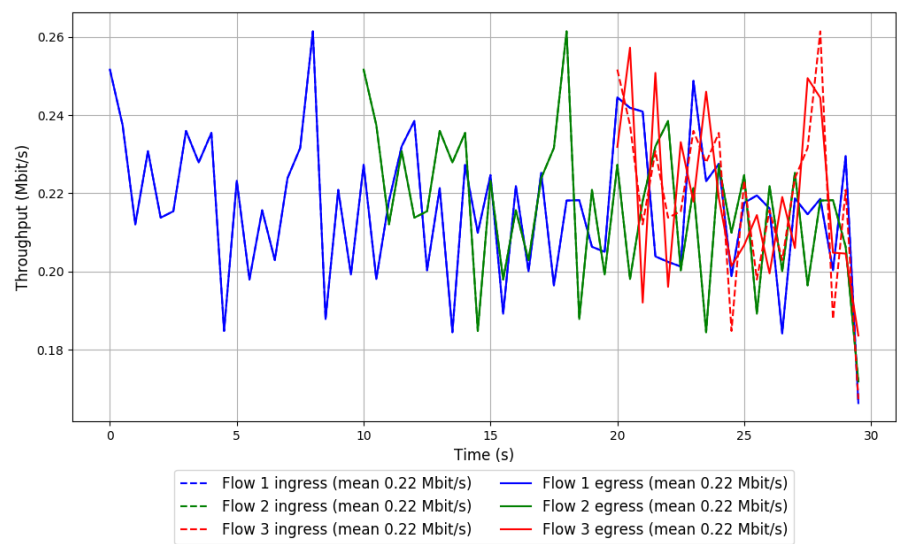


Run 4: Statistics of SReAM

Start at: 2018-03-13 15:11:18
End at: 2018-03-13 15:11:48
Local clock offset: -6.854 ms
Remote clock offset: -6.662 ms

```
# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.438 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.456 ms
Loss rate: 0.00%
```

Run 4: Report of SReAM — Data Link

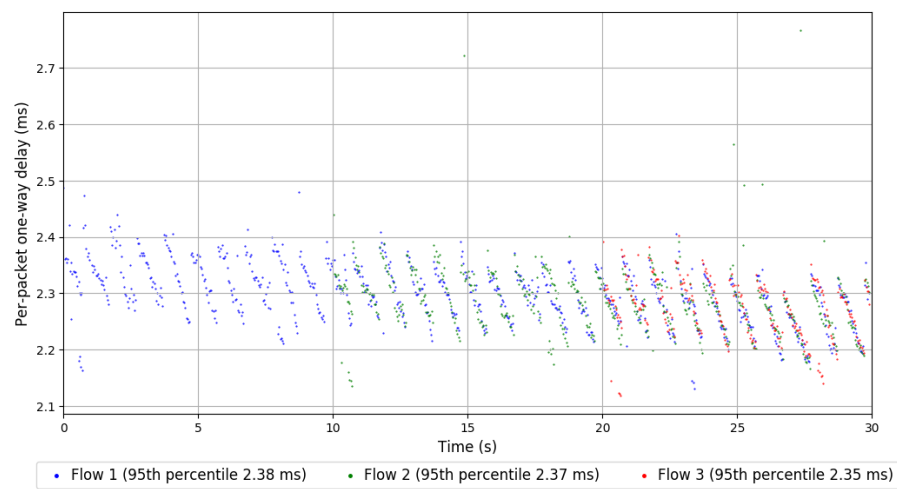
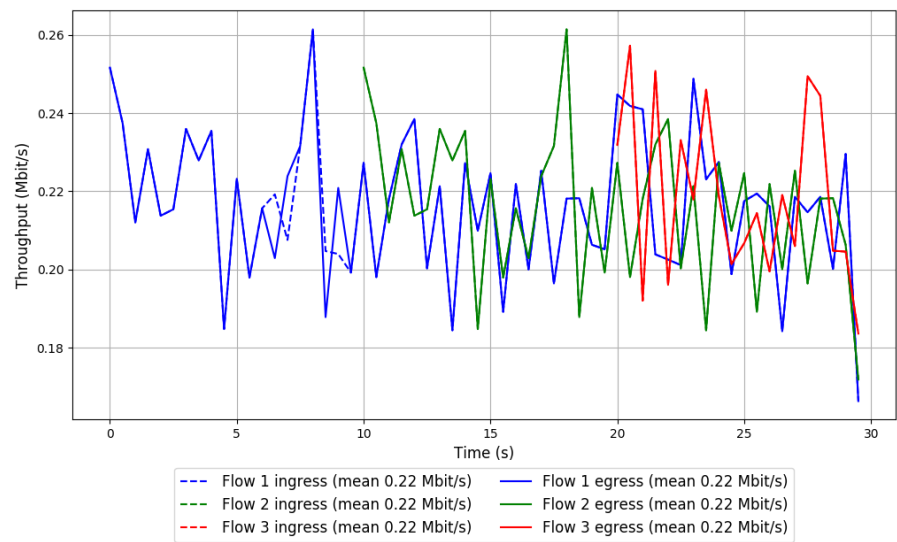


Run 5: Statistics of SReAM

Start at: 2018-03-13 15:31:44
End at: 2018-03-13 15:32:14
Local clock offset: -1.351 ms
Remote clock offset: -6.756 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.353 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

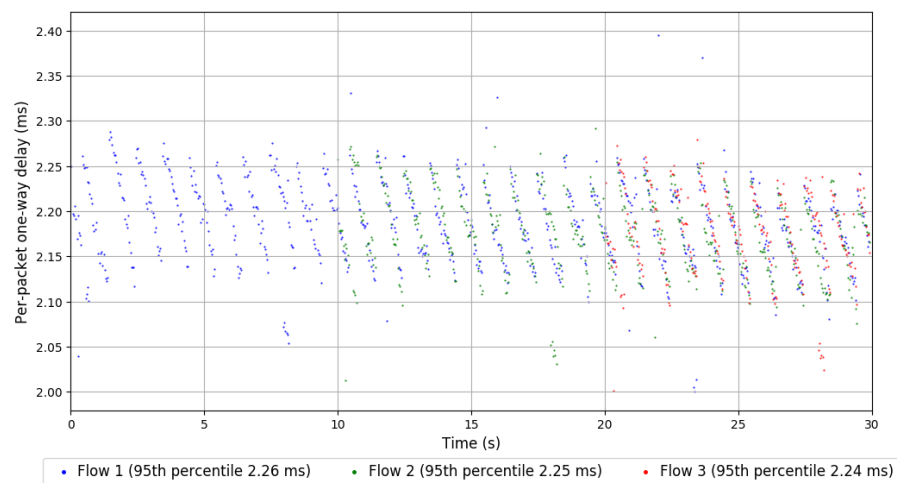
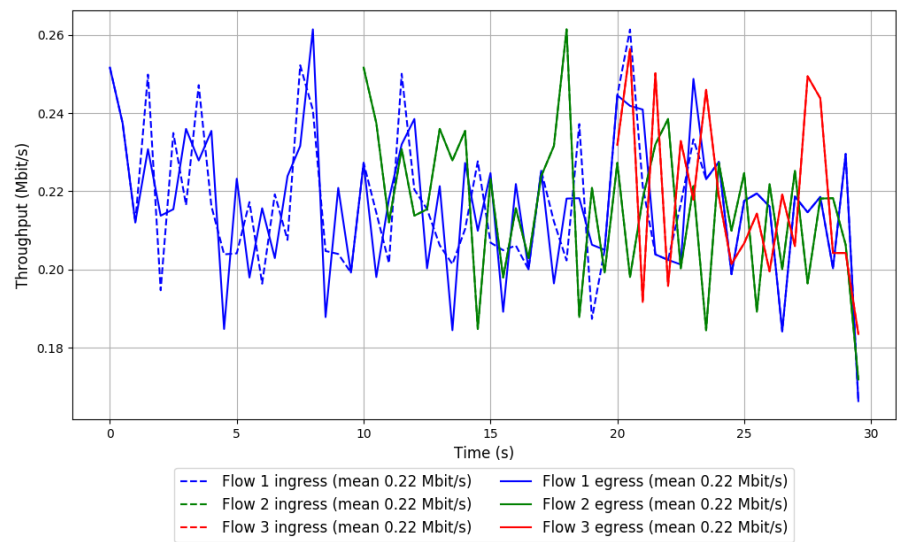


Run 6: Statistics of SReAM

Start at: 2018-03-13 15:52:08
End at: 2018-03-13 15:52:38
Local clock offset: 0.979 ms
Remote clock offset: -6.789 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.244 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

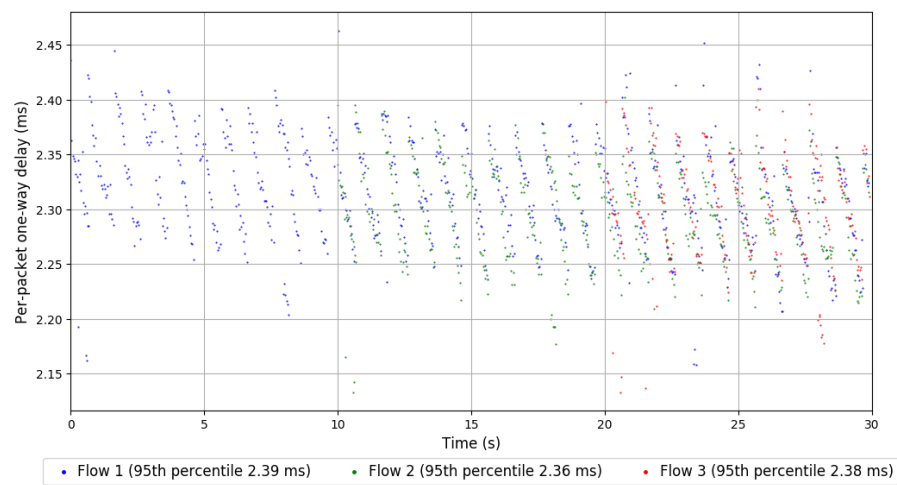
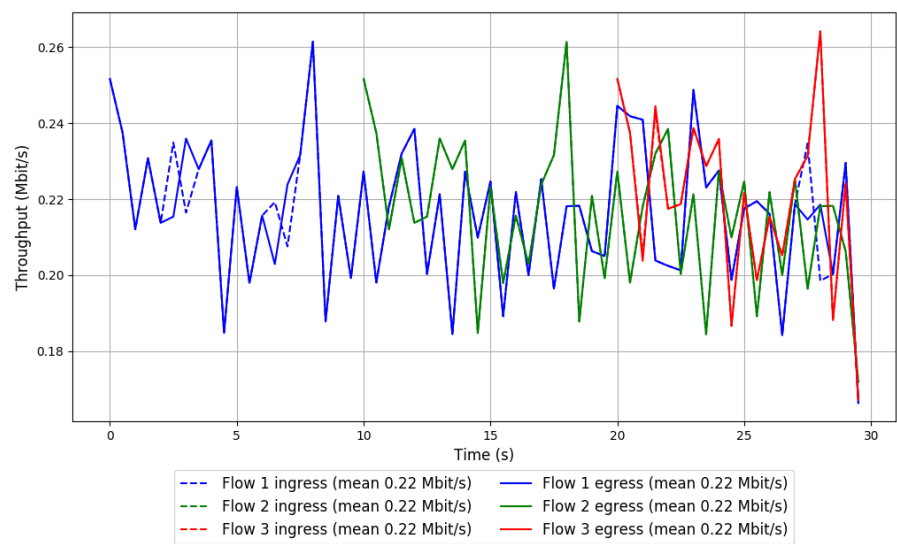


Run 7: Statistics of SReAM

Start at: 2018-03-13 16:12:35
End at: 2018-03-13 16:13:05
Local clock offset: 3.001 ms
Remote clock offset: -6.559 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.363 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.379 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-03-13 16:32:57

End at: 2018-03-13 16:33:27

Local clock offset: -3.605 ms

Remote clock offset: -6.45 ms

Below is generated by plot.py at 2018-03-13 21:00:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.276 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.270 ms

Loss rate: 0.00%

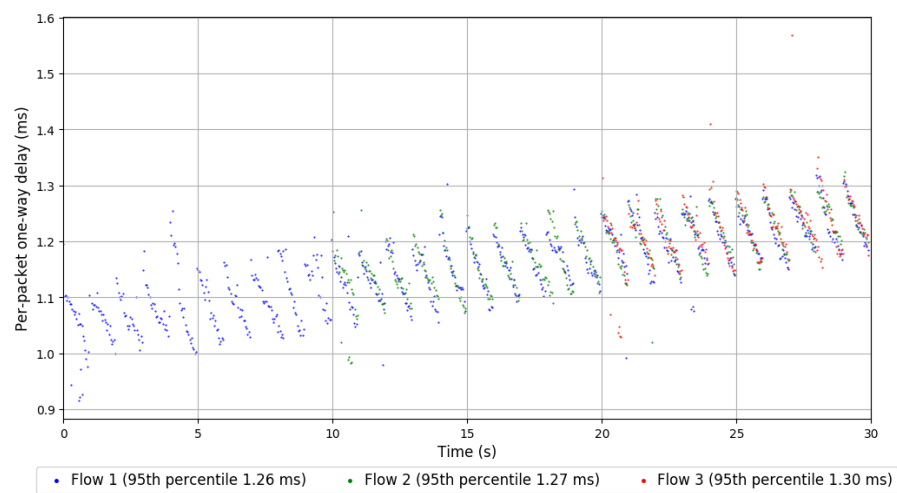
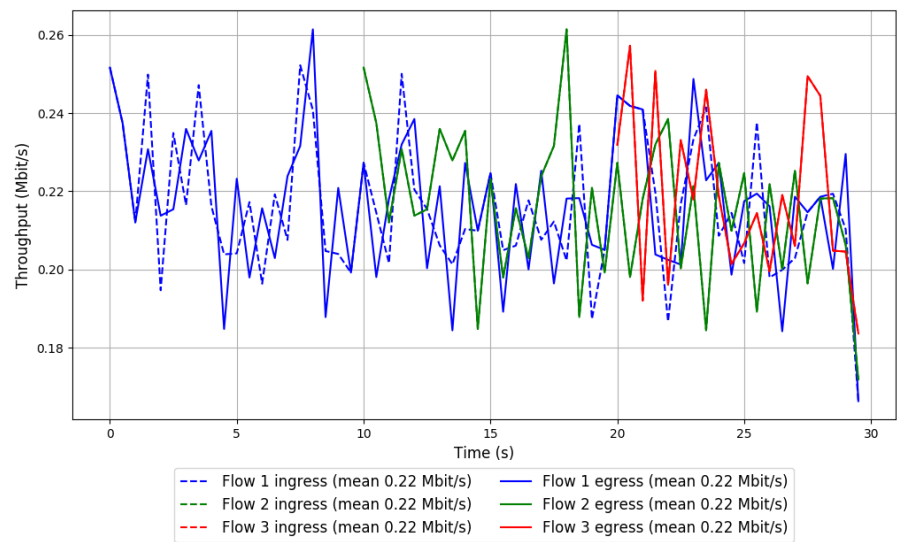
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.298 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

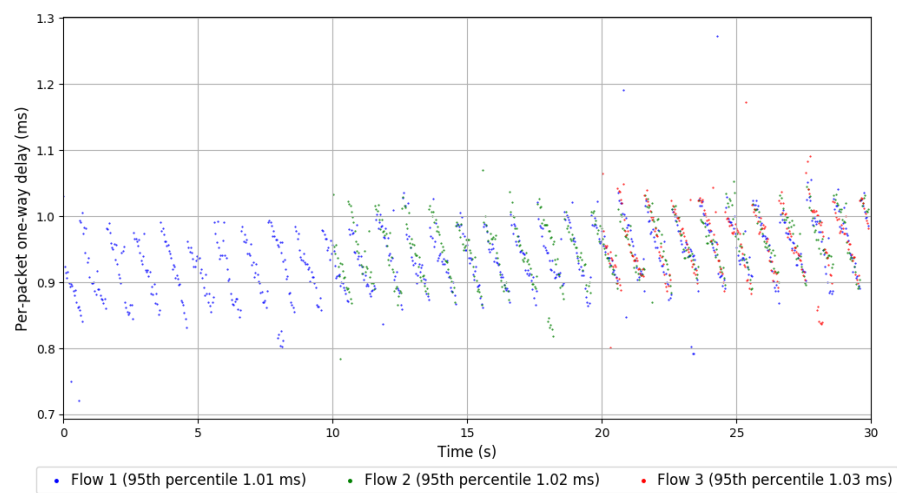
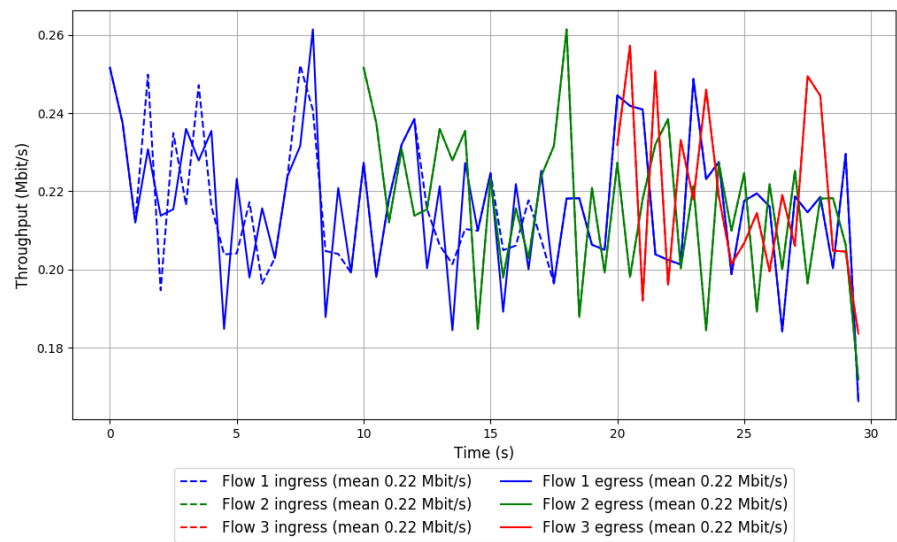


Run 9: Statistics of SReAM

Start at: 2018-03-13 16:53:17
End at: 2018-03-13 16:53:47
Local clock offset: -7.942 ms
Remote clock offset: -6.397 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.034 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

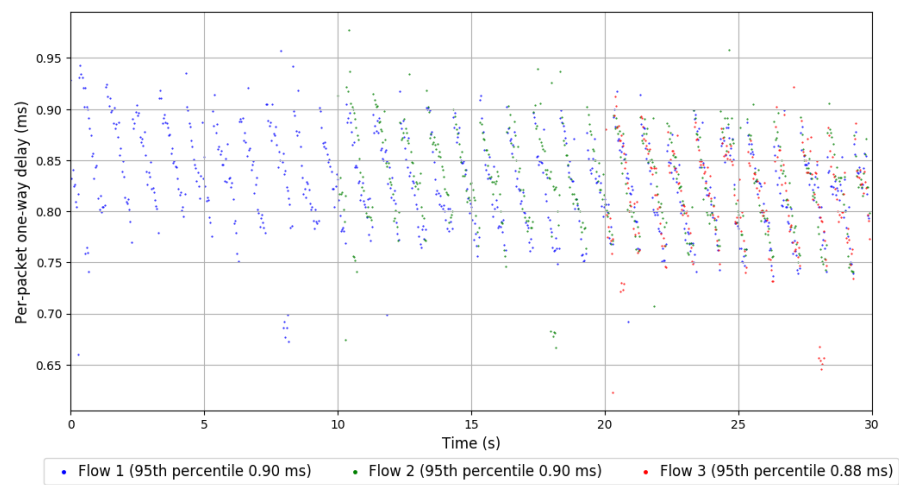
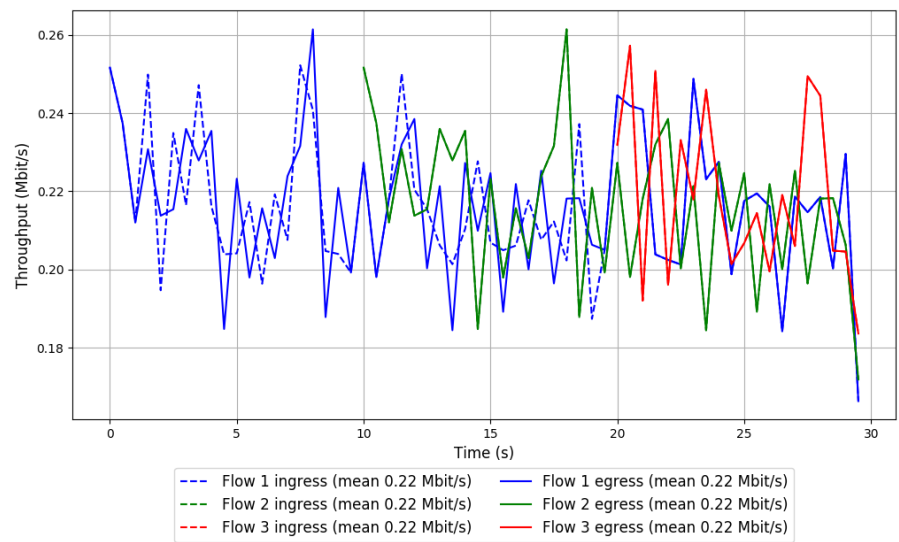


Run 10: Statistics of SReAM

Start at: 2018-03-13 17:13:37
End at: 2018-03-13 17:14:07
Local clock offset: -4.14 ms
Remote clock offset: -6.638 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 0.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.901 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.883 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

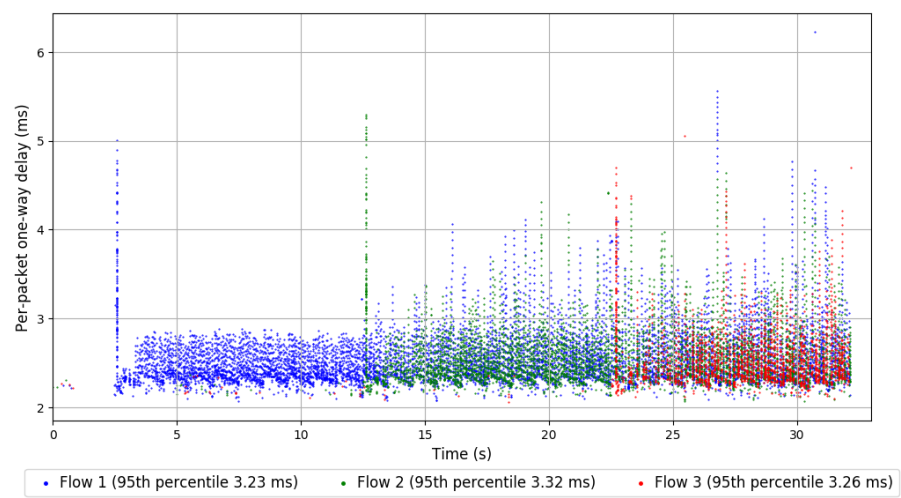
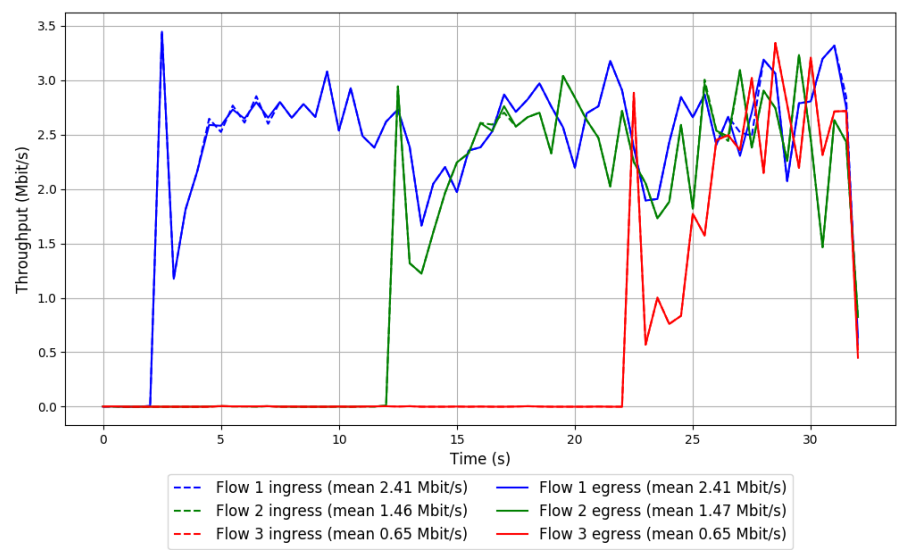


Run 1: Statistics of WebRTC media

Start at: 2018-03-13 14:11:06
End at: 2018-03-13 14:11:36
Local clock offset: -6.216 ms
Remote clock offset: -6.908 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.49 Mbit/s
95th percentile per-packet one-way delay: 3.268 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 3.229 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 3.263 ms
Loss rate: 0.14%

Run 1: Report of WebRTC media — Data Link

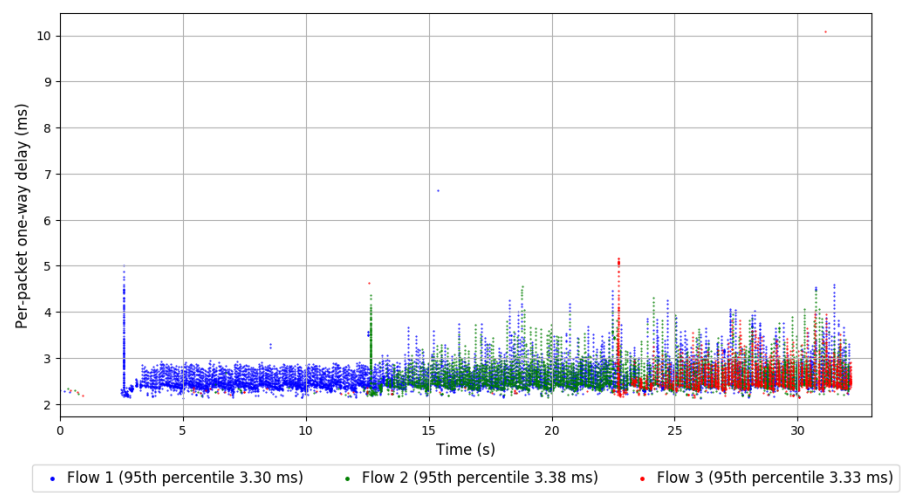
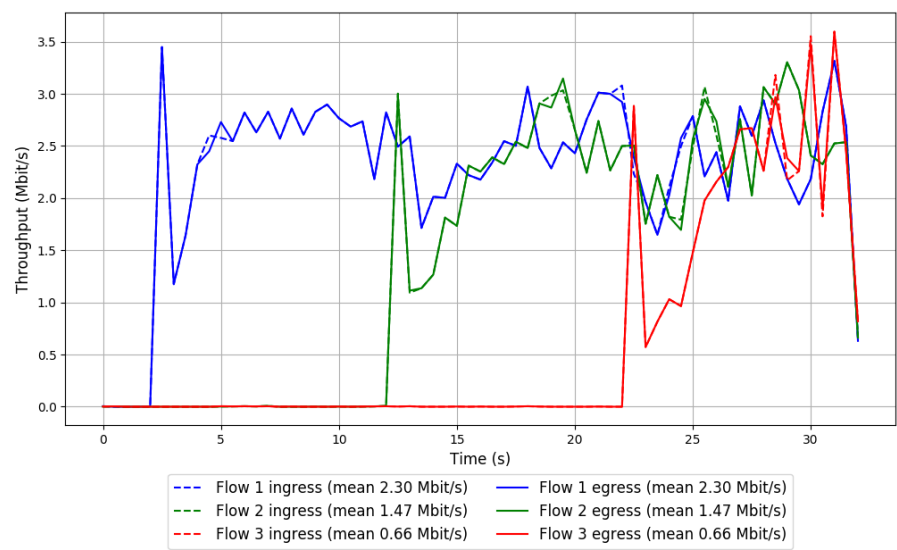


Run 2: Statistics of WebRTC media

Start at: 2018-03-13 14:31:33
End at: 2018-03-13 14:32:03
Local clock offset: -5.674 ms
Remote clock offset: -6.701 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.382 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 3.334 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

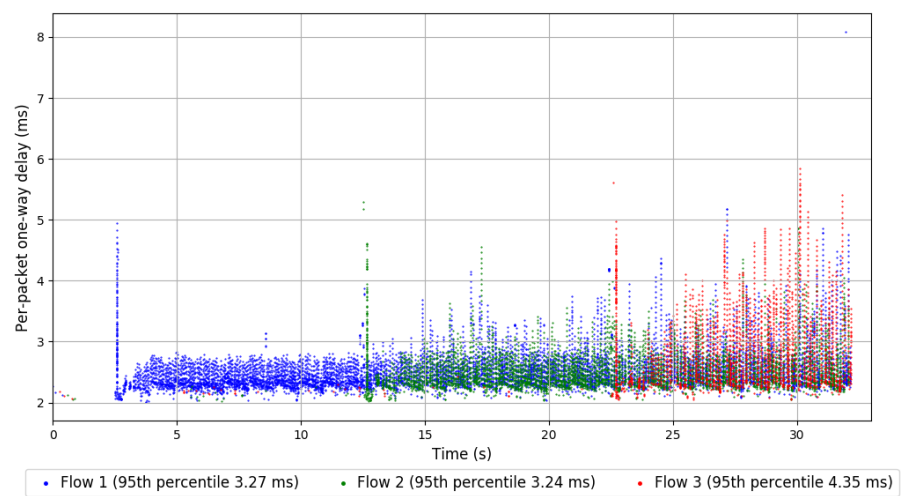
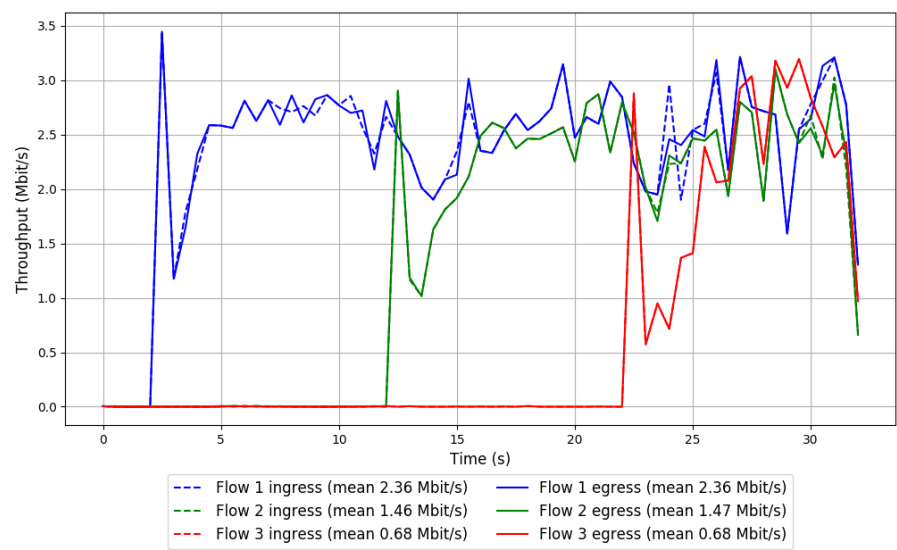


Run 3: Statistics of WebRTC media

Start at: 2018-03-13 14:51:57
End at: 2018-03-13 14:52:27
Local clock offset: -6.615 ms
Remote clock offset: -6.554 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.539 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 3.271 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 3.242 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 4.351 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-03-13 15:12:22

End at: 2018-03-13 15:12:52

Local clock offset: -6.868 ms

Remote clock offset: -6.66 ms

Below is generated by plot.py at 2018-03-13 21:00:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 3.290 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 3.510 ms

Loss rate: 0.00%

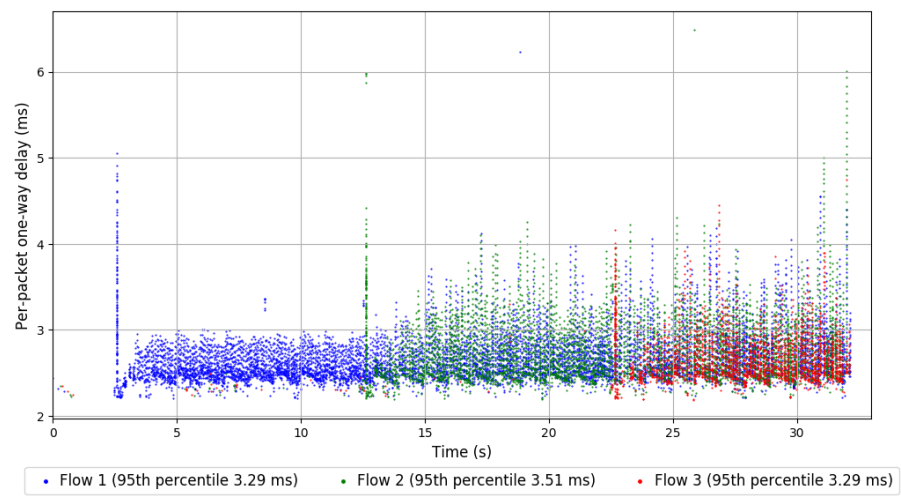
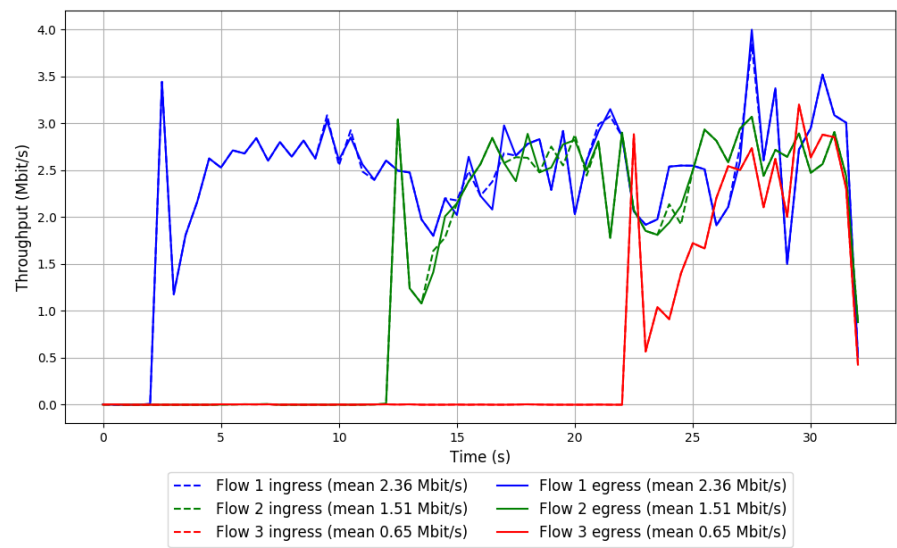
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 3.295 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

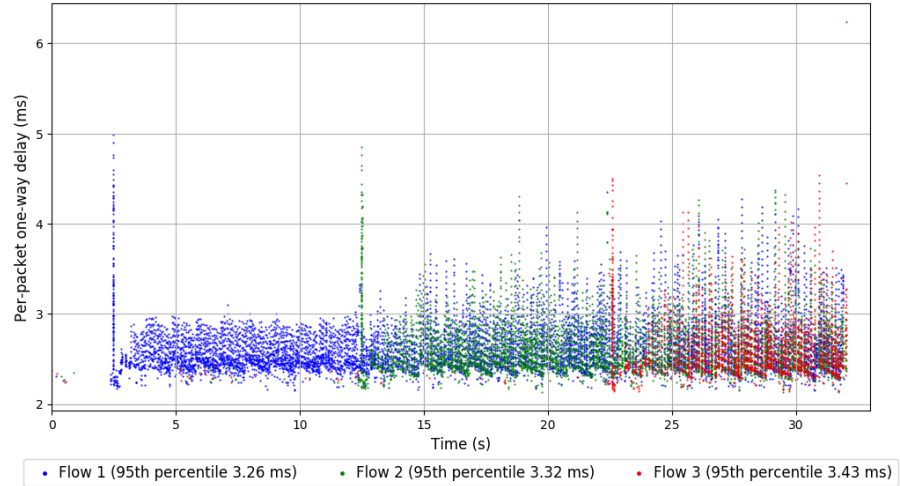
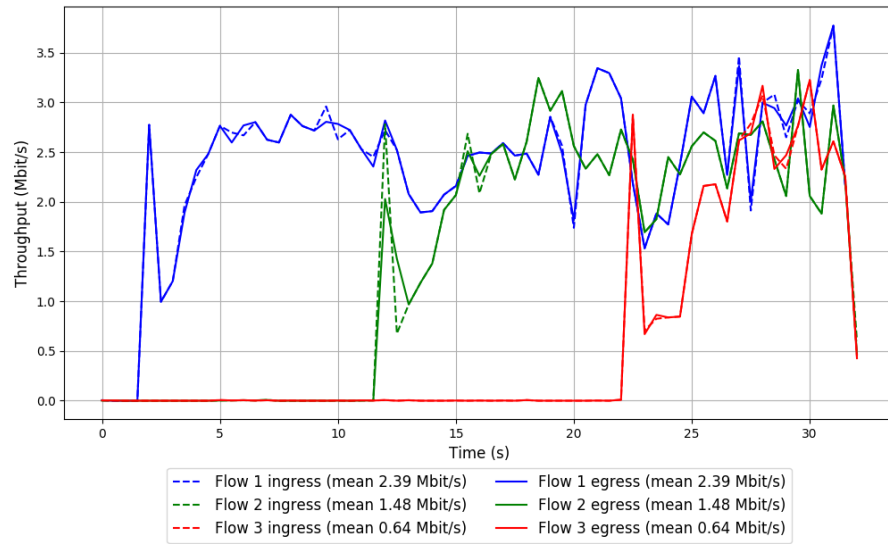


Run 5: Statistics of WebRTC media

Start at: 2018-03-13 15:32:48
End at: 2018-03-13 15:33:18
Local clock offset: -1.185 ms
Remote clock offset: -6.808 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 3.311 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.48 Mbit/s
95th percentile per-packet one-way delay: 3.319 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.431 ms
Loss rate: 0.05%

Run 5: Report of WebRTC media — Data Link

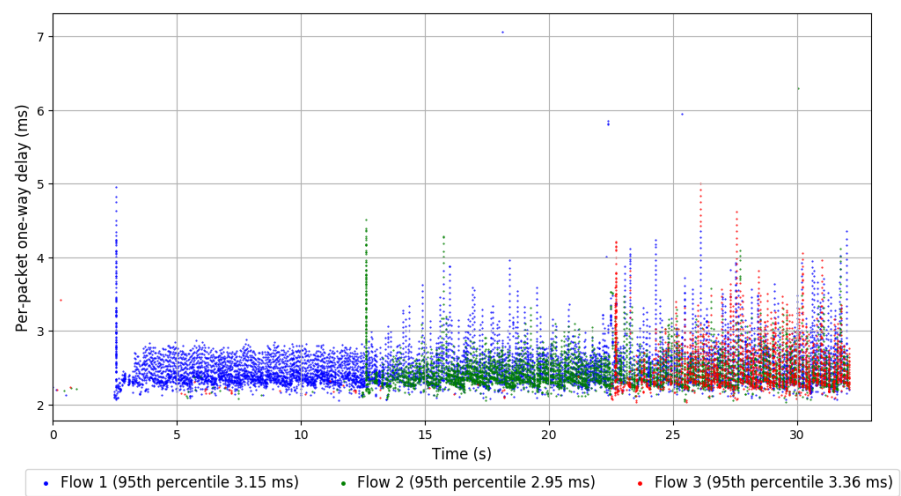
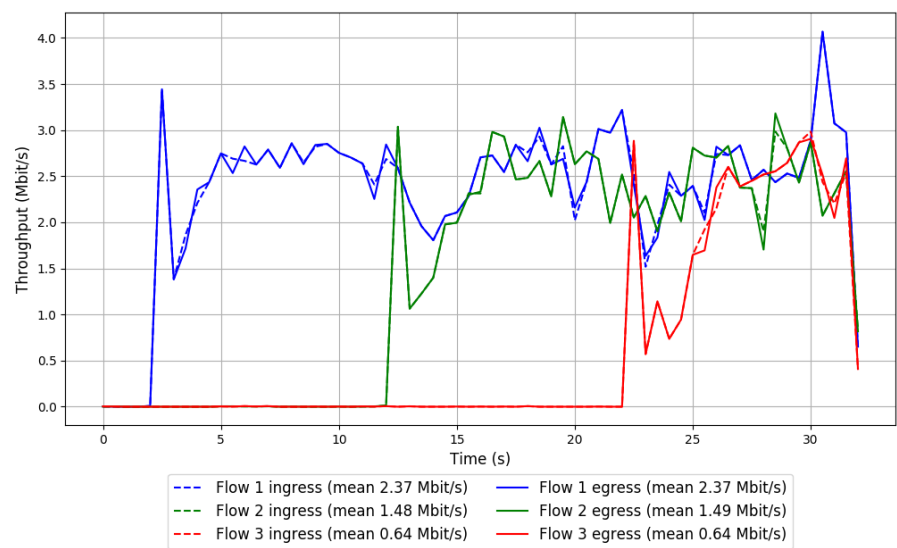


Run 6: Statistics of WebRTC media

Start at: 2018-03-13 15:53:12
End at: 2018-03-13 15:53:42
Local clock offset: 1.105 ms
Remote clock offset: -6.826 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 3.137 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 3.152 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 3.356 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-13 16:13:39

End at: 2018-03-13 16:14:09

Local clock offset: 3.028 ms

Remote clock offset: -6.55 ms

Below is generated by plot.py at 2018-03-13 21:00:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 3.286 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 3.253 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 3.307 ms

Loss rate: 0.00%

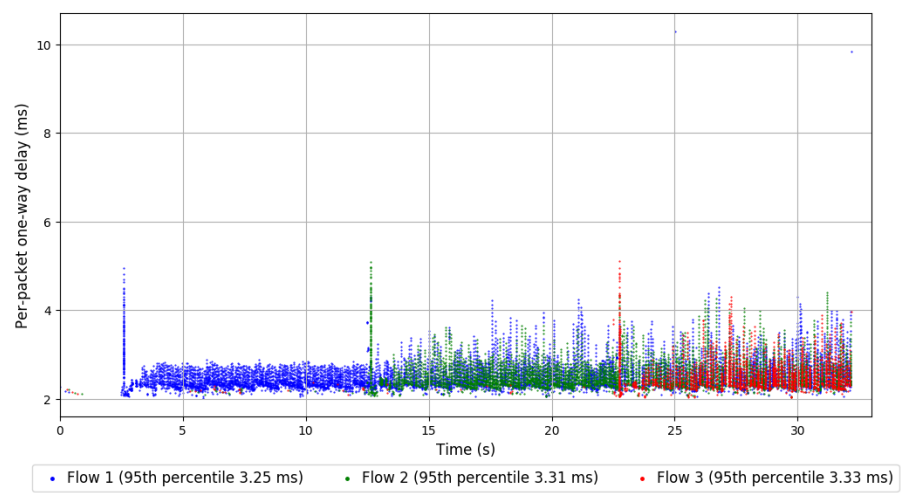
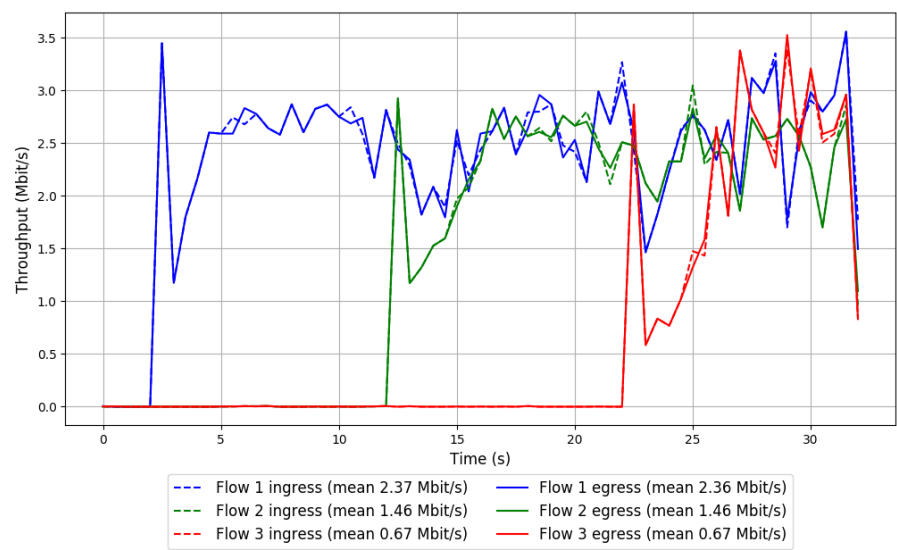
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

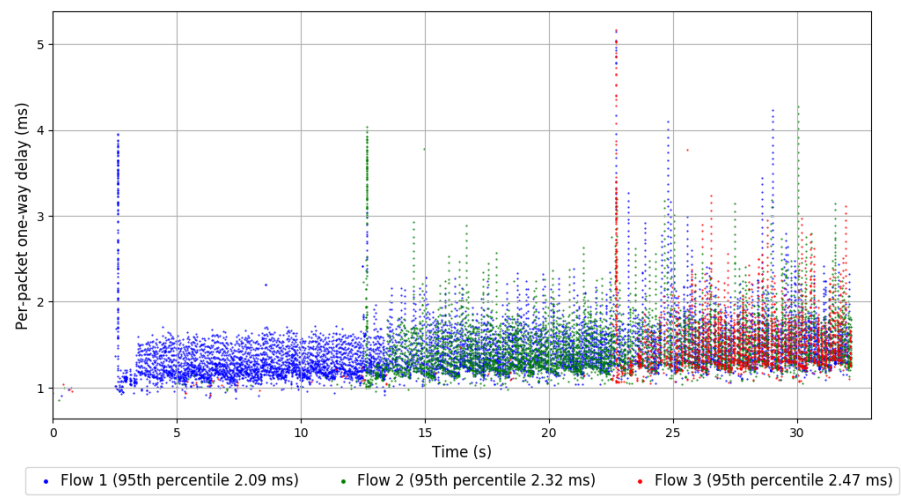
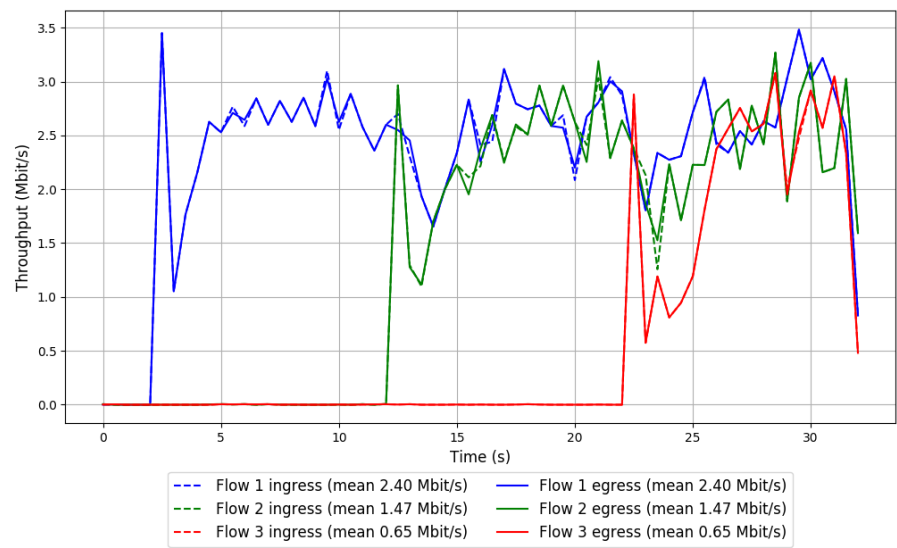


Run 8: Statistics of WebRTC media

Start at: 2018-03-13 16:34:01
End at: 2018-03-13 16:34:31
Local clock offset: -4.006 ms
Remote clock offset: -6.442 ms

```
# Below is generated by plot.py at 2018-03-13 21:00:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 2.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 2.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 2.469 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

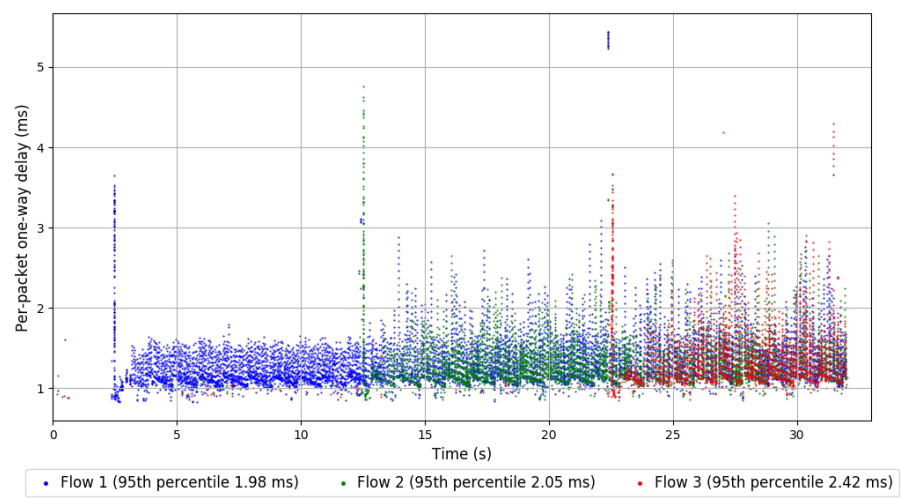
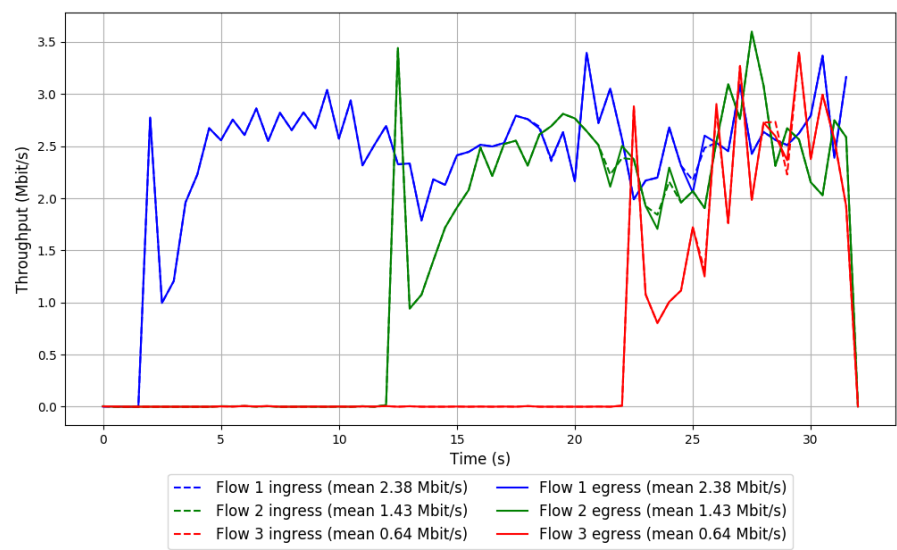


Run 9: Statistics of WebRTC media

Start at: 2018-03-13 16:54:21
End at: 2018-03-13 16:54:51
Local clock offset: -7.955 ms
Remote clock offset: -6.396 ms

Below is generated by plot.py at 2018-03-13 21:00:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 2.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 1.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 2.418 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-13 17:14:40

End at: 2018-03-13 17:15:10

Local clock offset: -4.151 ms

Remote clock offset: -6.68 ms

Below is generated by plot.py at 2018-03-13 21:00:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 1.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 1.754 ms

Loss rate: 0.00%

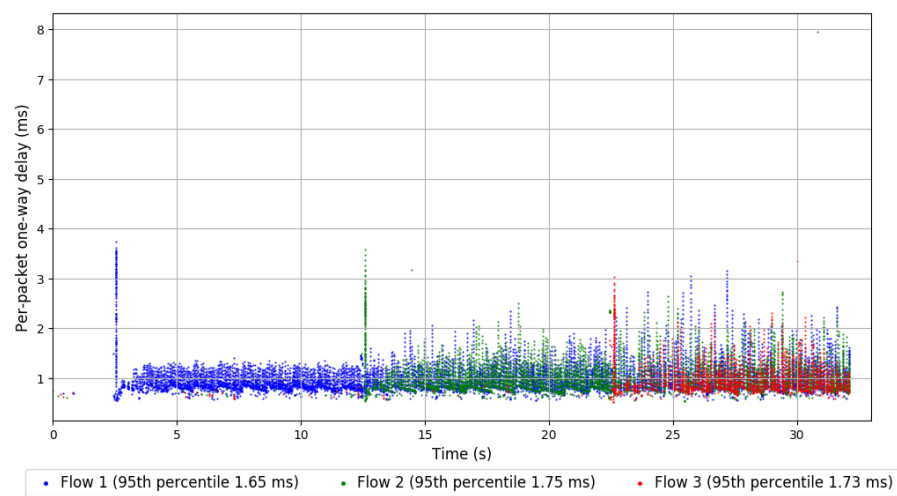
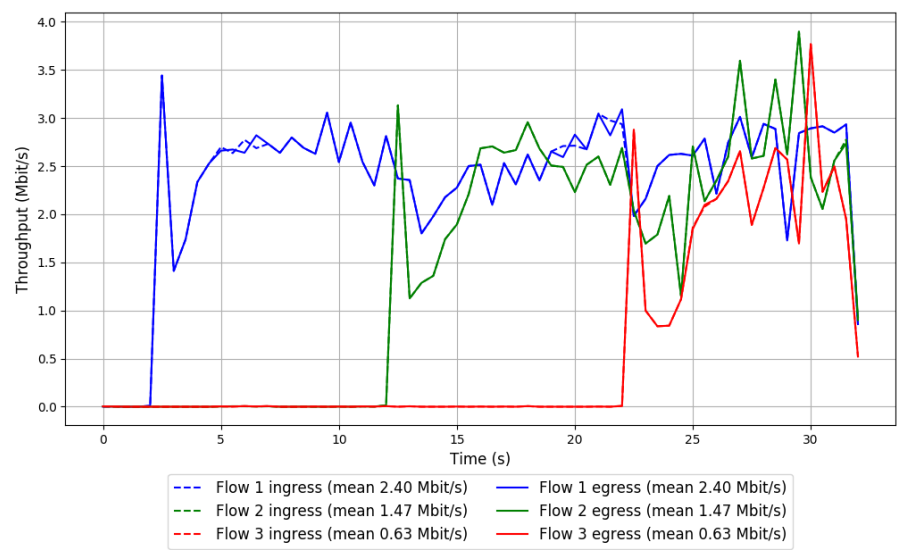
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 1.727 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

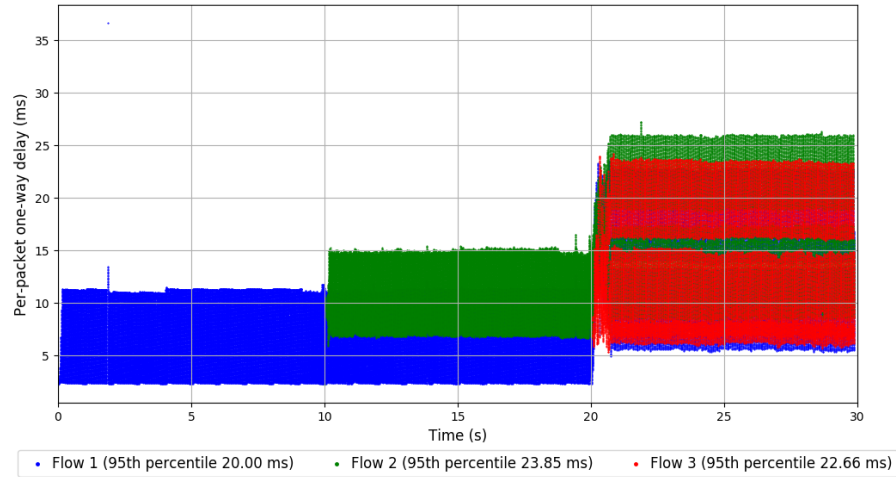
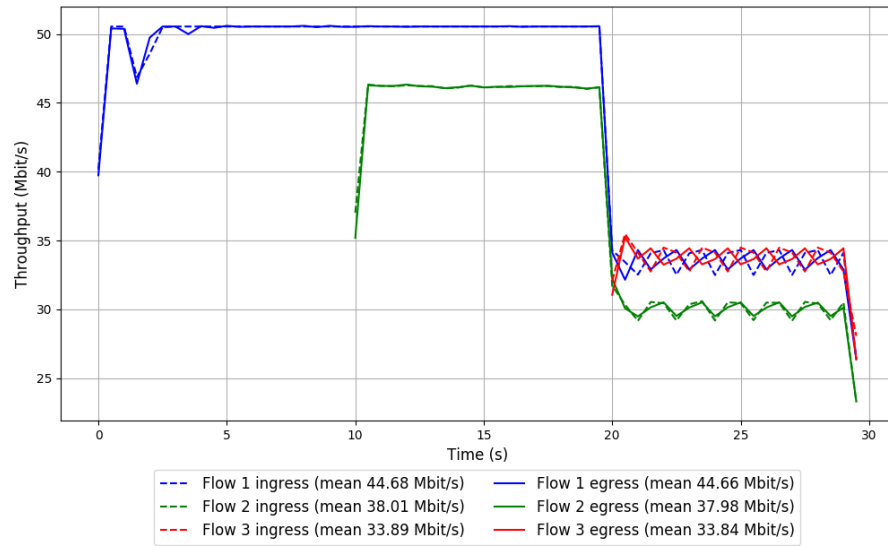


Run 1: Statistics of Sprout

Start at: 2018-03-13 14:15:36
End at: 2018-03-13 14:16:06
Local clock offset: -6.005 ms
Remote clock offset: -6.934 ms

Below is generated by plot.py at 2018-03-13 21:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 22.080 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 44.66 Mbit/s
95th percentile per-packet one-way delay: 20.004 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.98 Mbit/s
95th percentile per-packet one-way delay: 23.849 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 22.658 ms
Loss rate: 0.25%

Run 1: Report of Sprout — Data Link

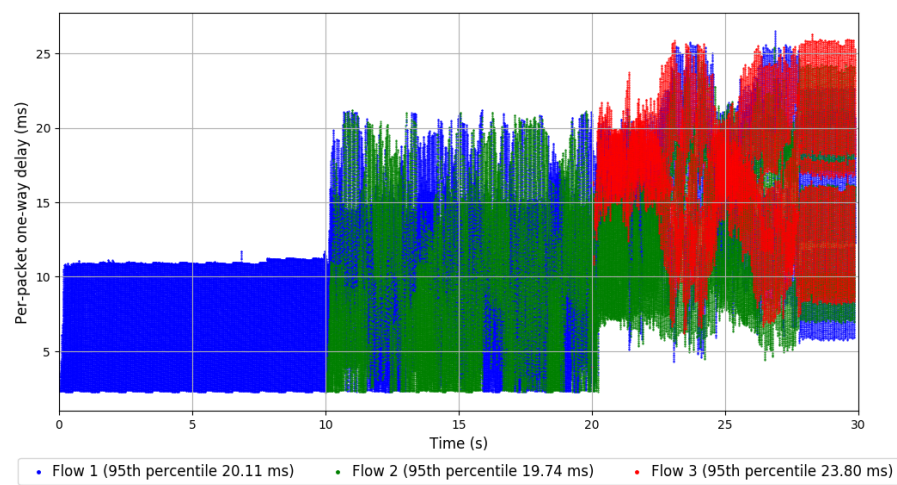
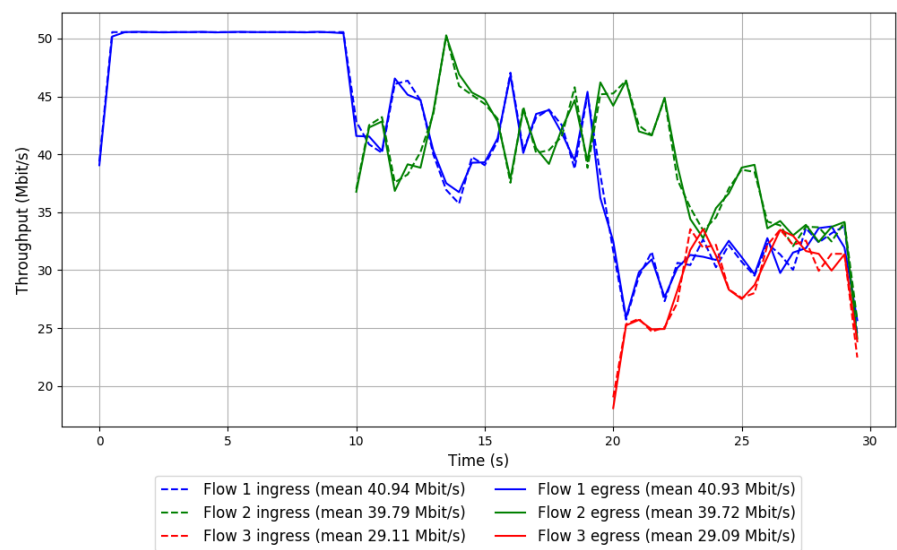


Run 2: Statistics of Sprout

Start at: 2018-03-13 14:36:03
End at: 2018-03-13 14:36:33
Local clock offset: -5.663 ms
Remote clock offset: -6.662 ms

Below is generated by plot.py at 2018-03-13 21:00:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 20.871 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 20.107 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 19.737 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 23.803 ms
Loss rate: 0.06%

Run 2: Report of Sprout — Data Link

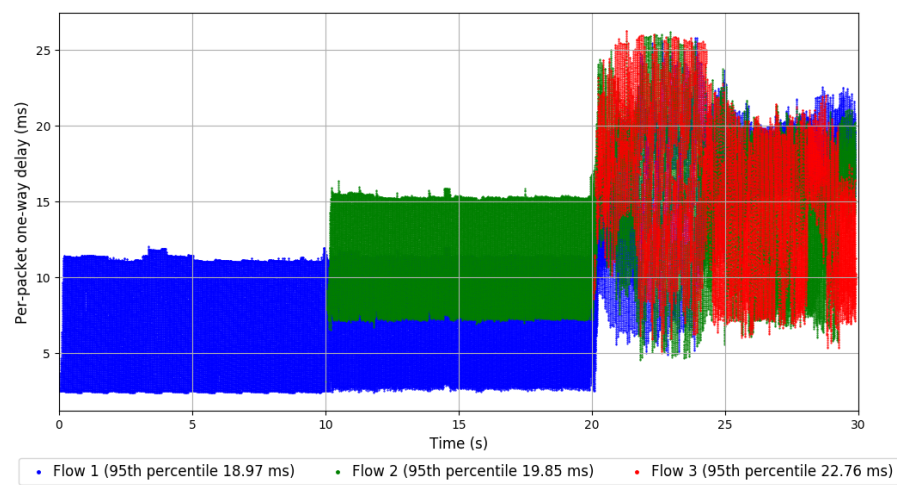
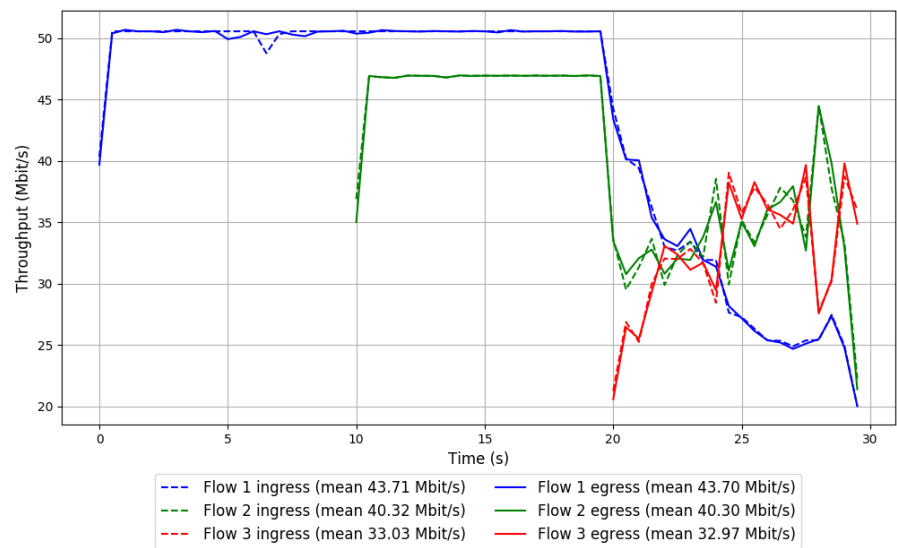


Run 3: Statistics of Sprout

Start at: 2018-03-13 14:56:27
End at: 2018-03-13 14:56:57
Local clock offset: -6.572 ms
Remote clock offset: -6.604 ms

Below is generated by plot.py at 2018-03-13 21:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.35 Mbit/s
95th percentile per-packet one-way delay: 19.930 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 18.973 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 40.30 Mbit/s
95th percentile per-packet one-way delay: 19.847 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 22.763 ms
Loss rate: 0.17%

Run 3: Report of Sprout — Data Link

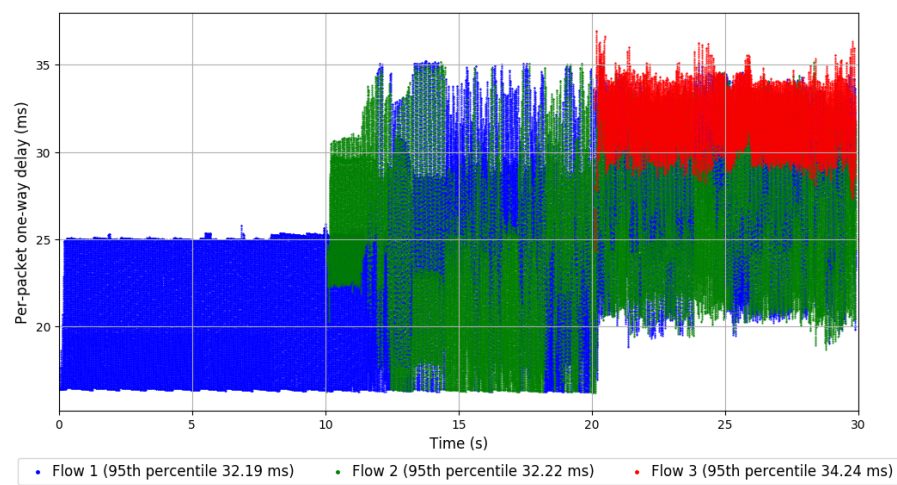
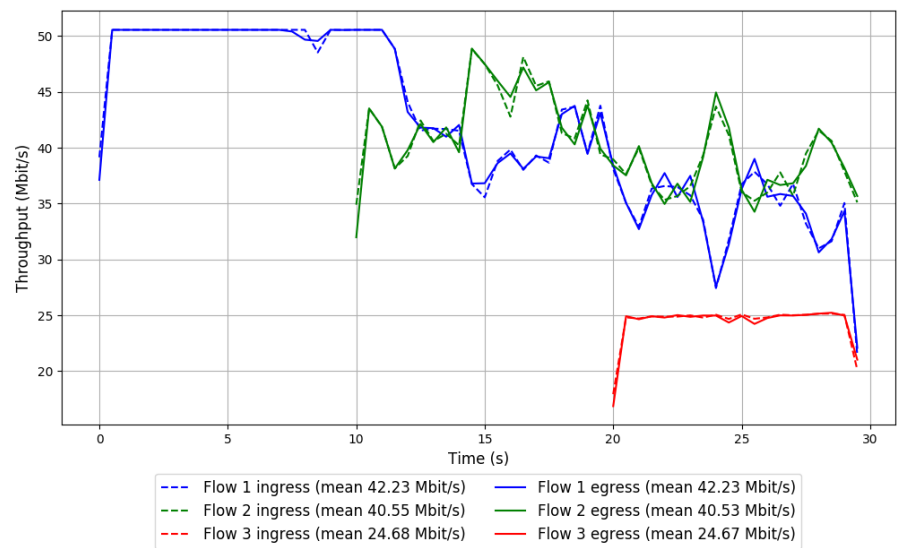


Run 4: Statistics of Sprout

Start at: 2018-03-13 15:16:53
End at: 2018-03-13 15:17:23
Local clock offset: -5.74 ms
Remote clock offset: -21.083 ms

```
# Below is generated by plot.py at 2018-03-13 21:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 32.992 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 32.188 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 40.53 Mbit/s
95th percentile per-packet one-way delay: 32.223 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 34.239 ms
Loss rate: 0.23%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-03-13 15:37:18

End at: 2018-03-13 15:37:48

Local clock offset: -0.58 ms

Remote clock offset: -6.77 ms

Below is generated by plot.py at 2018-03-13 21:00:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 20.688 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 19.401 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 20.734 ms

Loss rate: 0.05%

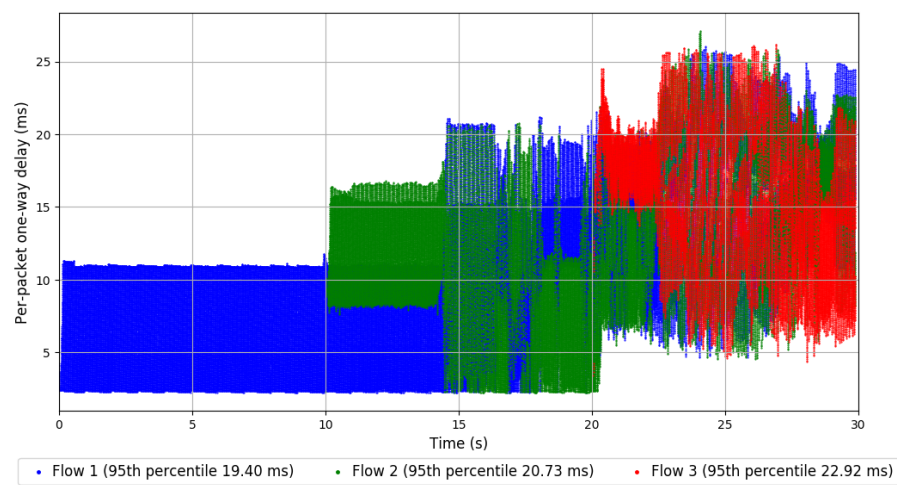
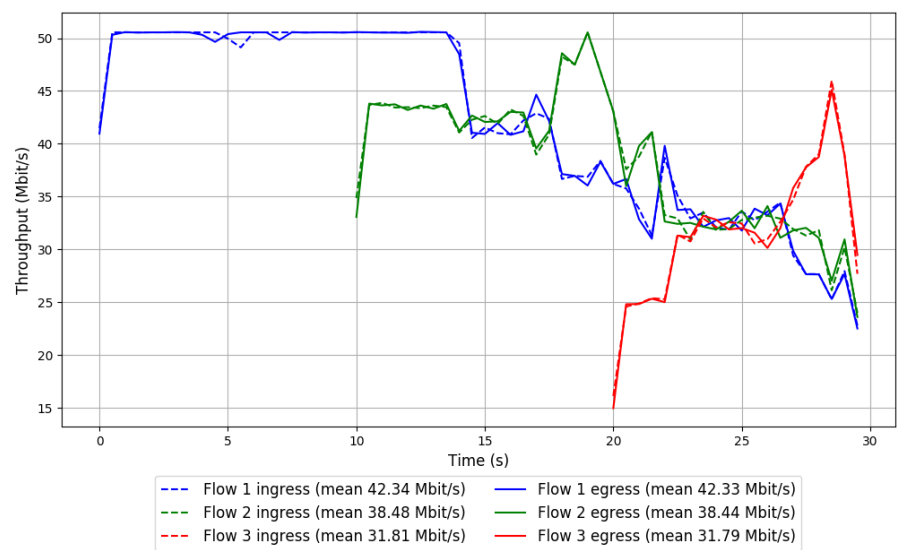
-- Flow 3:

Average throughput: 31.79 Mbit/s

95th percentile per-packet one-way delay: 22.924 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

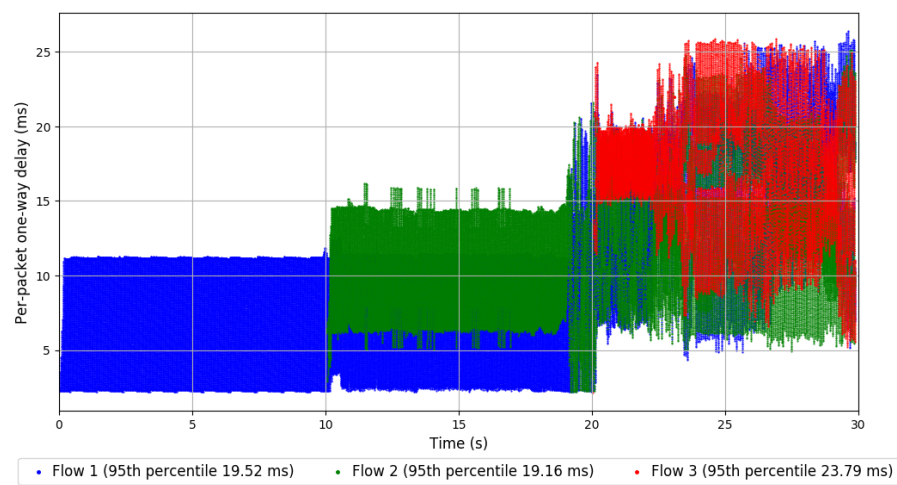
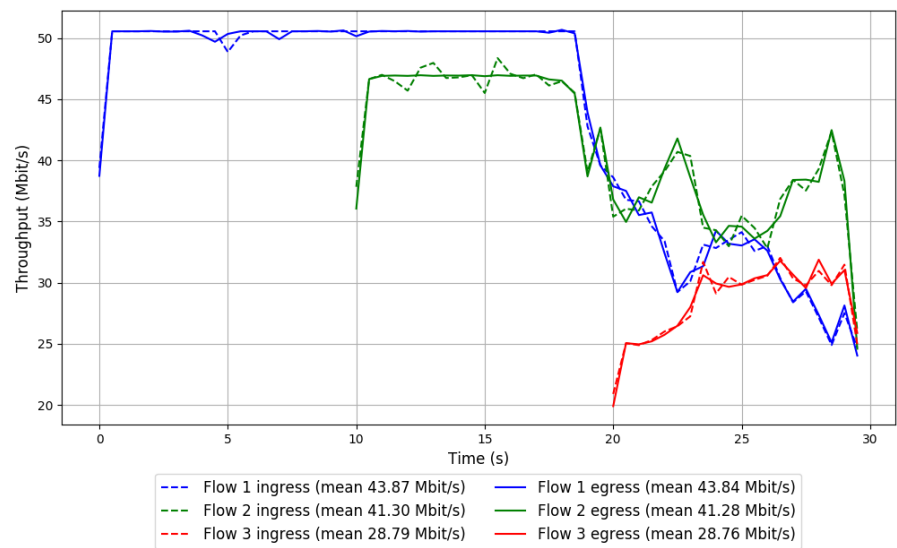


Run 6: Statistics of Sprout

Start at: 2018-03-13 15:57:42
End at: 2018-03-13 15:58:12
Local clock offset: 1.513 ms
Remote clock offset: -6.835 ms

Below is generated by plot.py at 2018-03-13 21:01:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 20.682 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.84 Mbit/s
95th percentile per-packet one-way delay: 19.524 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 41.28 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.76 Mbit/s
95th percentile per-packet one-way delay: 23.793 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

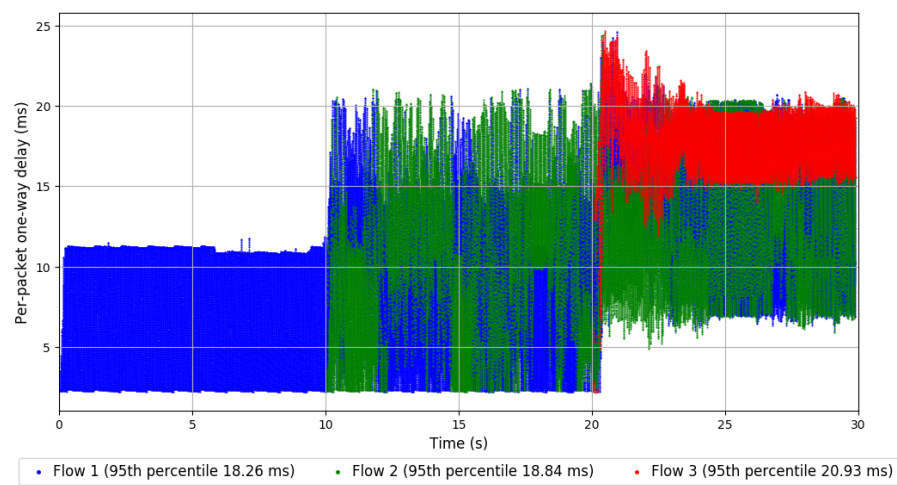
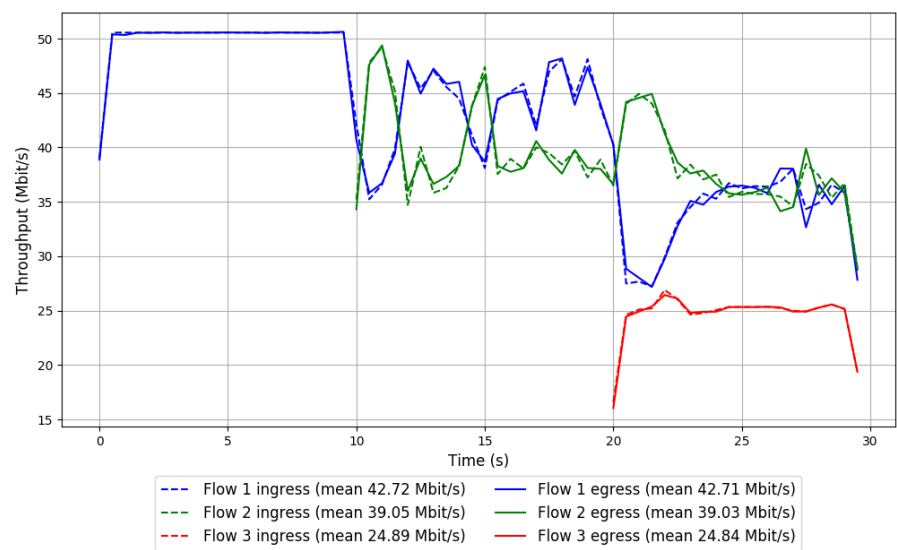


Run 7: Statistics of Sprout

Start at: 2018-03-13 16:18:09
End at: 2018-03-13 16:18:39
Local clock offset: 3.444 ms
Remote clock offset: -6.51 ms

Below is generated by plot.py at 2018-03-13 21:01:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.85 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.71 Mbit/s
95th percentile per-packet one-way delay: 18.262 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.03 Mbit/s
95th percentile per-packet one-way delay: 18.840 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 20.927 ms
Loss rate: 0.20%

Run 7: Report of Sprout — Data Link

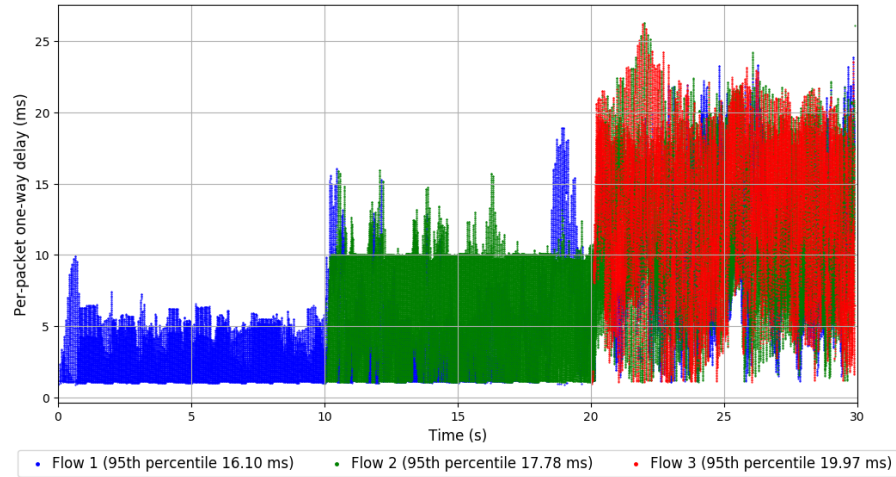
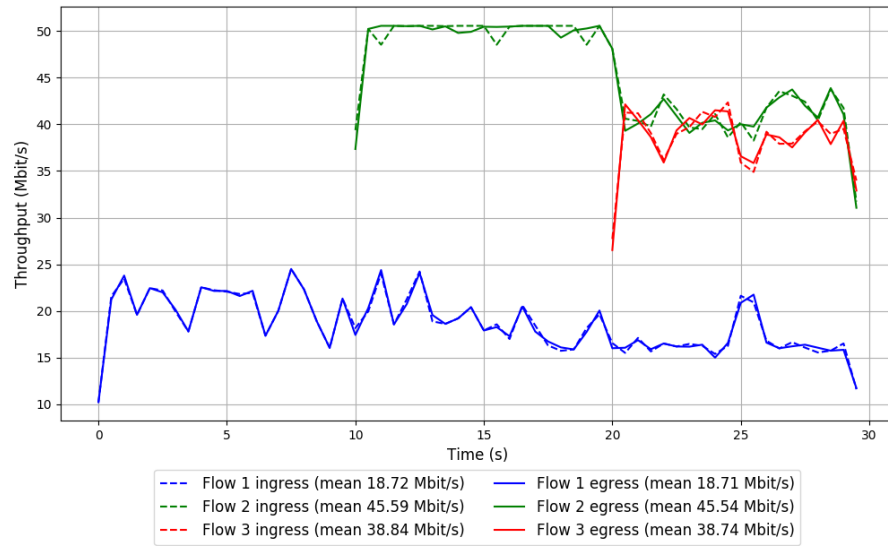


Run 8: Statistics of Sprout

Start at: 2018-03-13 16:38:30
End at: 2018-03-13 16:39:00
Local clock offset: -5.429 ms
Remote clock offset: -6.439 ms

```
# Below is generated by plot.py at 2018-03-13 21:01:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 18.388 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 16.103 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 45.54 Mbit/s
95th percentile per-packet one-way delay: 17.783 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 19.966 ms
Loss rate: 0.22%
```

Run 8: Report of Sprout — Data Link

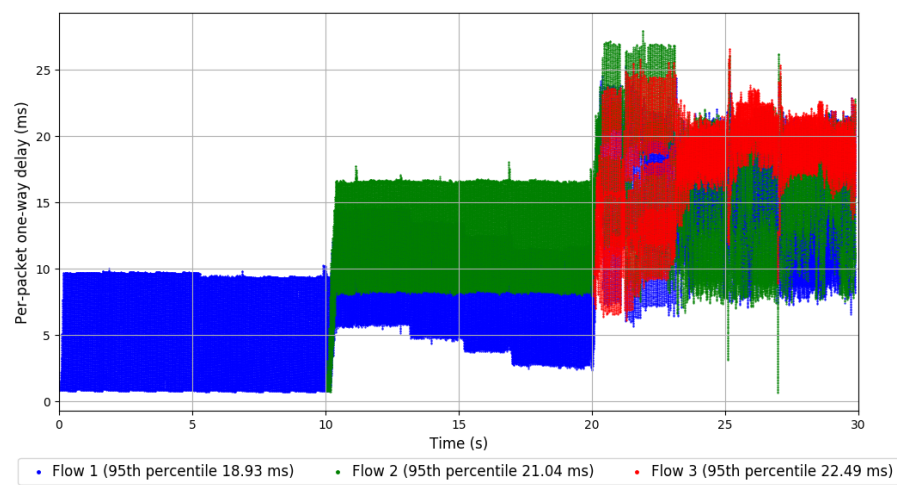
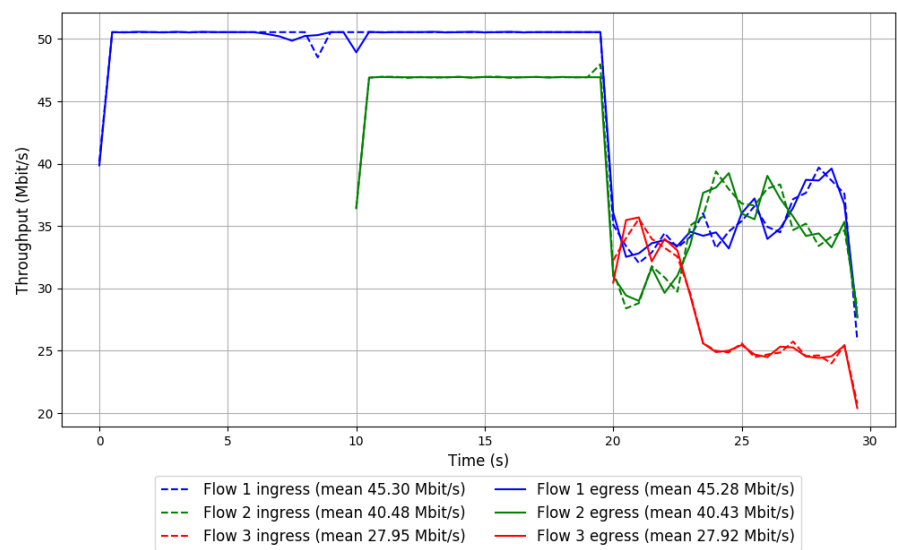


Run 9: Statistics of Sprout

Start at: 2018-03-13 16:58:50
End at: 2018-03-13 16:59:20
Local clock offset: -7.285 ms
Remote clock offset: -6.391 ms

```
# Below is generated by plot.py at 2018-03-13 21:01:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.37 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 18.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.43 Mbit/s
95th percentile per-packet one-way delay: 21.043 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 22.488 ms
Loss rate: 0.21%
```

Run 9: Report of Sprout — Data Link

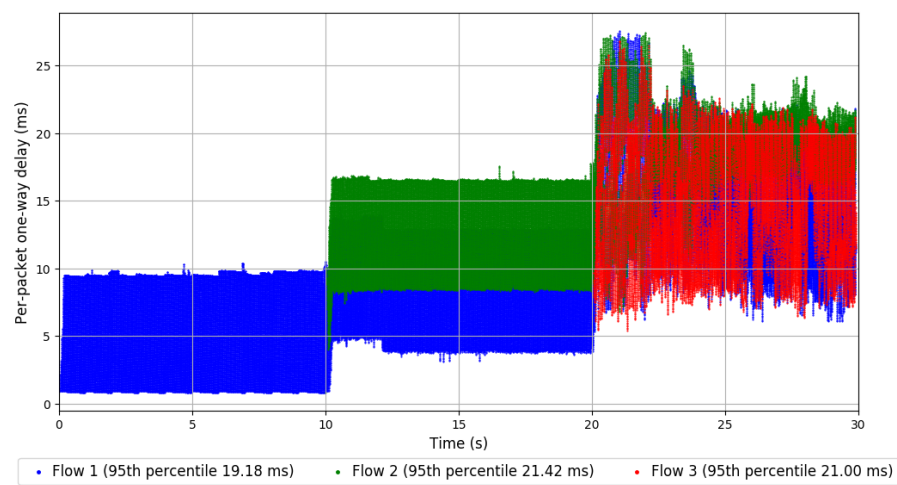
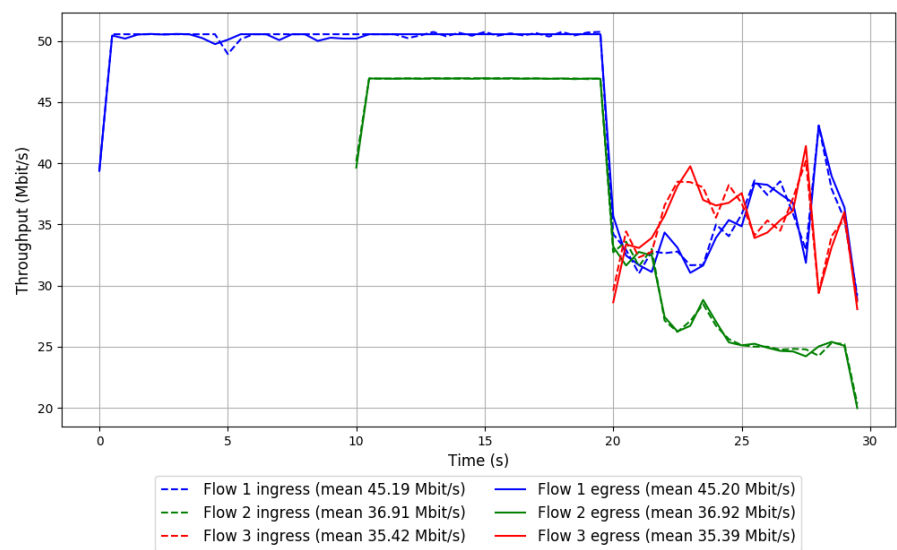


Run 10: Statistics of Sprout

Start at: 2018-03-13 17:19:09
End at: 2018-03-13 17:19:39
Local clock offset: -3.864 ms
Remote clock offset: -6.836 ms

```
# Below is generated by plot.py at 2018-03-13 21:01:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 20.623 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 19.185 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 21.422 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 21.004 ms
Loss rate: 0.24%
```

Run 10: Report of Sprout — Data Link

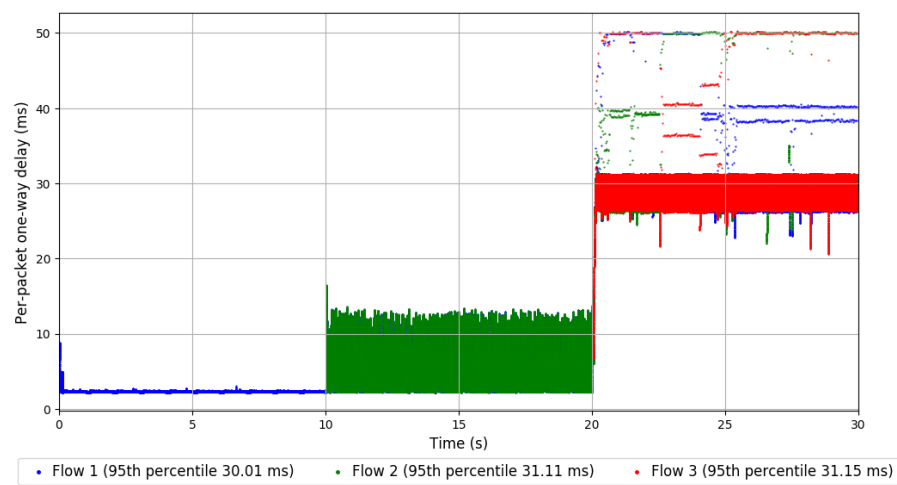
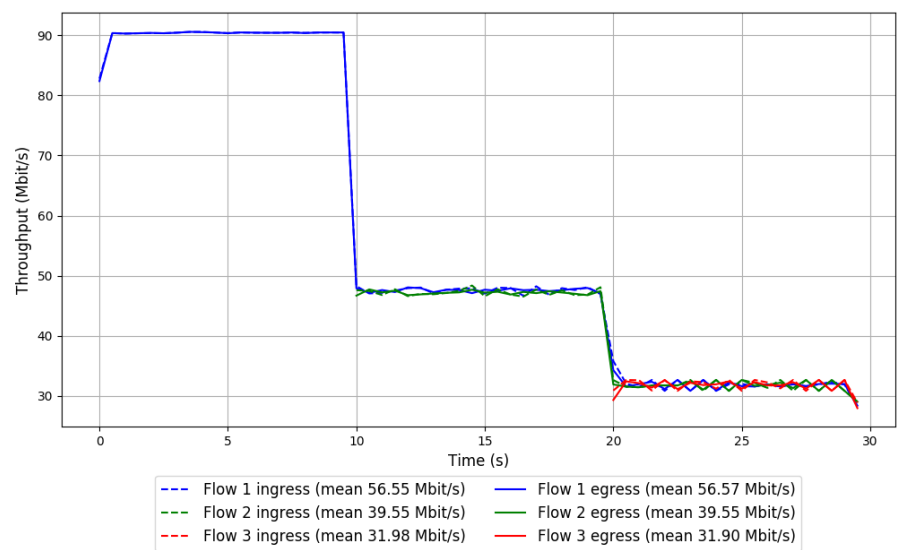


Run 1: Statistics of TaoVA-100x

Start at: 2018-03-13 14:18:58
End at: 2018-03-13 14:19:28
Local clock offset: -5.93 ms
Remote clock offset: -6.859 ms

Below is generated by plot.py at 2018-03-13 21:03:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.063 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.57 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 31.105 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.43%

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

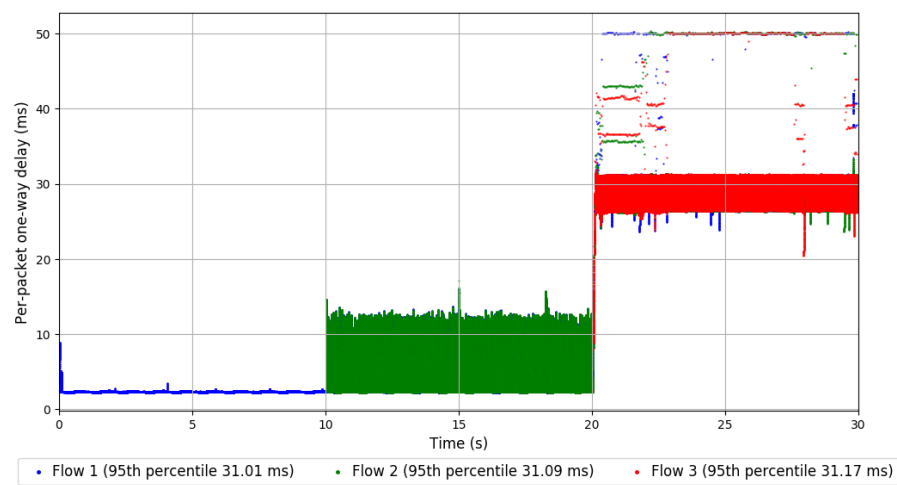
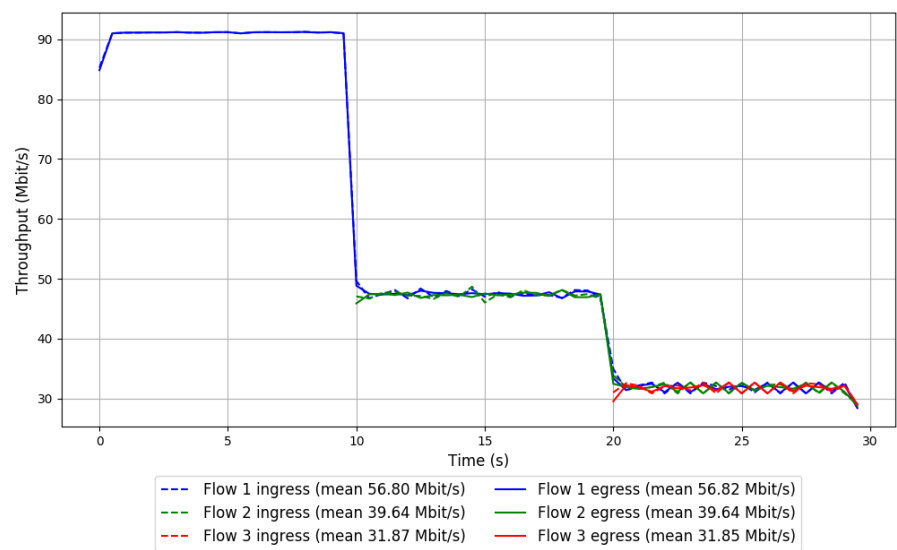


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-13 14:39:25
End at: 2018-03-13 14:39:55
Local clock offset: -5.631 ms
Remote clock offset: -6.616 ms

Below is generated by plot.py at 2018-03-13 21:03:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.71 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.82 Mbit/s
95th percentile per-packet one-way delay: 31.011 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 31.087 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 31.170 ms
Loss rate: 0.30%

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

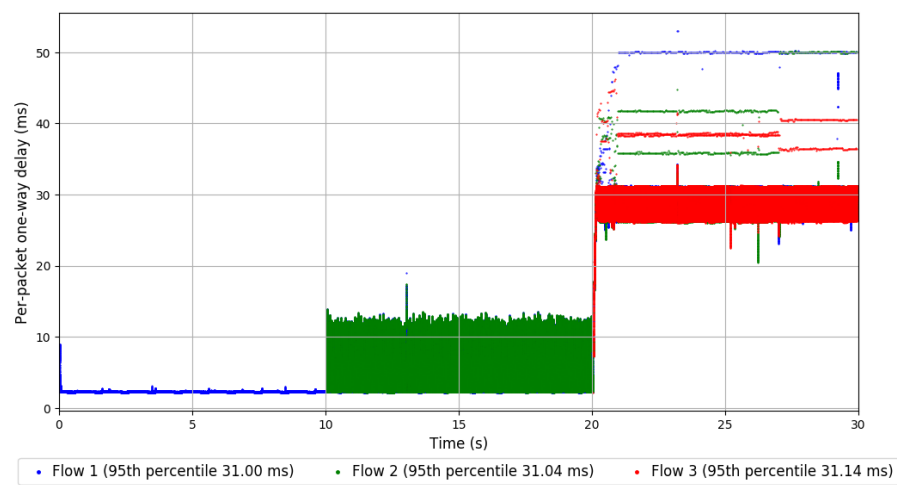
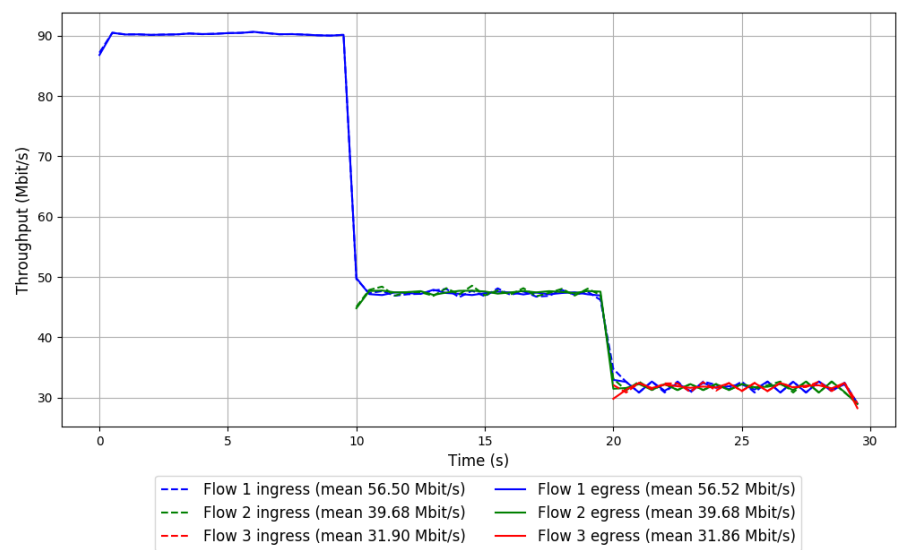


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-13 14:59:49
End at: 2018-03-13 15:00:19
Local clock offset: -6.854 ms
Remote clock offset: -6.666 ms

Below is generated by plot.py at 2018-03-13 21:03:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.054 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 31.004 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.039 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.41%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-03-13 15:20:15

End at: 2018-03-13 15:20:45

Local clock offset: -4.271 ms

Remote clock offset: -6.7 ms

Below is generated by plot.py at 2018-03-13 21:03:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.43 Mbit/s

95th percentile per-packet one-way delay: 30.787 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 30.717 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.74 Mbit/s

95th percentile per-packet one-way delay: 30.807 ms

Loss rate: 0.17%

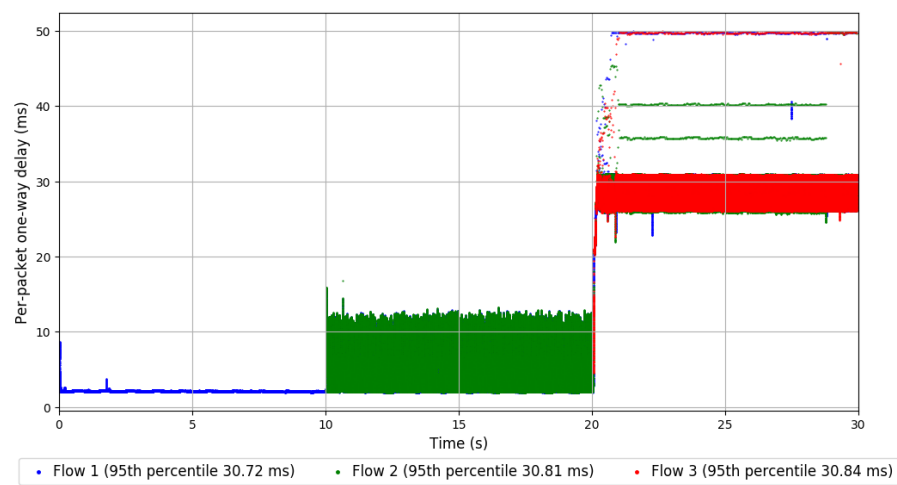
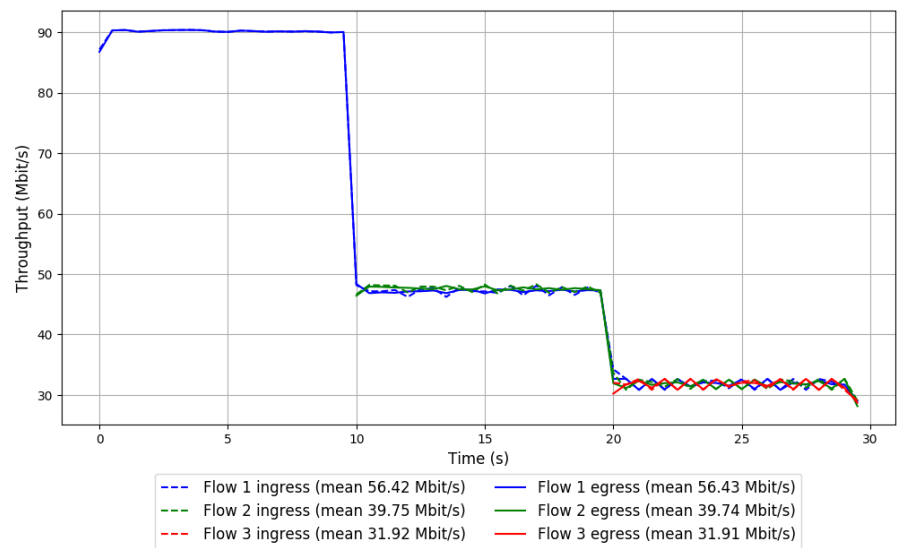
-- Flow 3:

Average throughput: 31.91 Mbit/s

95th percentile per-packet one-way delay: 30.845 ms

Loss rate: 0.29%

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

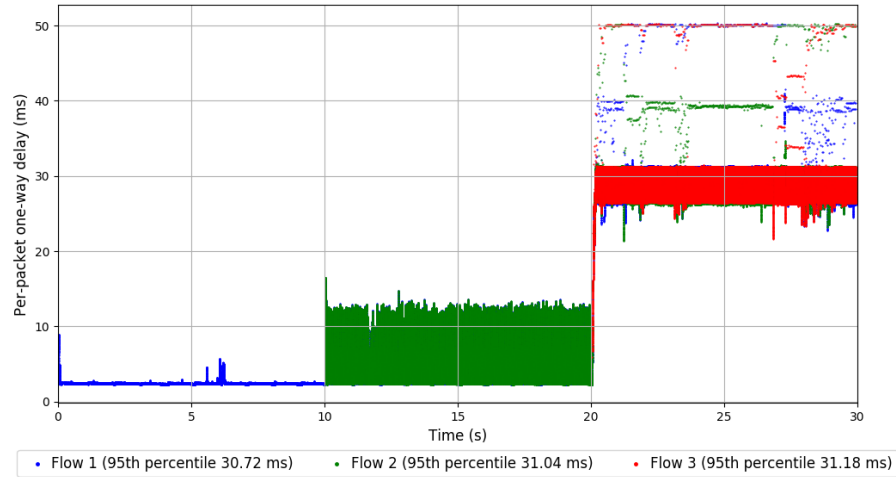
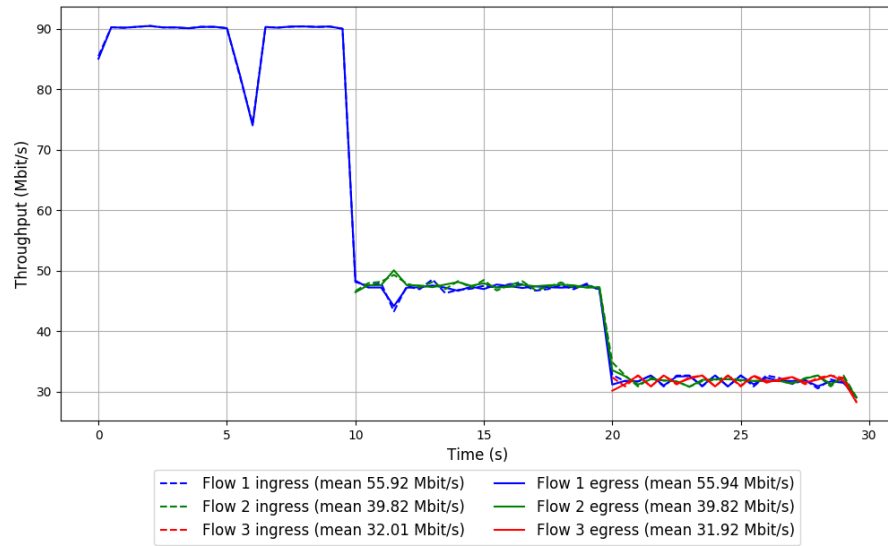


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-13 15:40:40
End at: 2018-03-13 15:41:10
Local clock offset: -0.187 ms
Remote clock offset: -6.845 ms

Below is generated by plot.py at 2018-03-13 21:03:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 30.718 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 31.043 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 0.37%

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

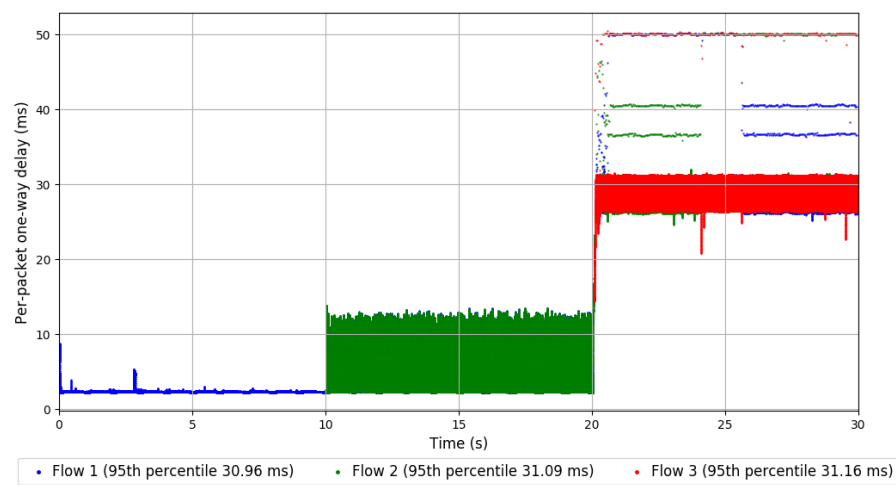
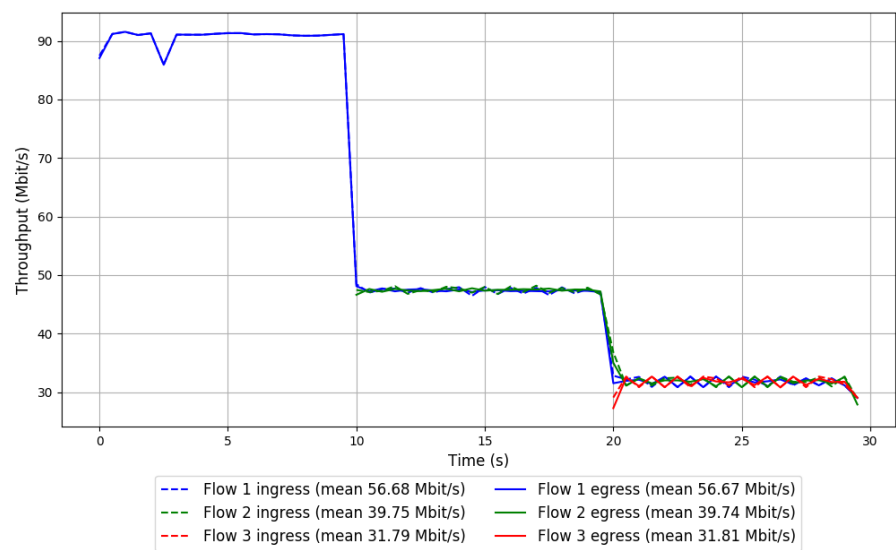


Run 6: Statistics of TaoVA-100x

Start at: 2018-03-13 16:01:05
End at: 2018-03-13 16:01:35
Local clock offset: 1.874 ms
Remote clock offset: -6.829 ms

Below is generated by plot.py at 2018-03-13 21:03:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 31.080 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 30.963 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 31.158 ms
Loss rate: 0.29%

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

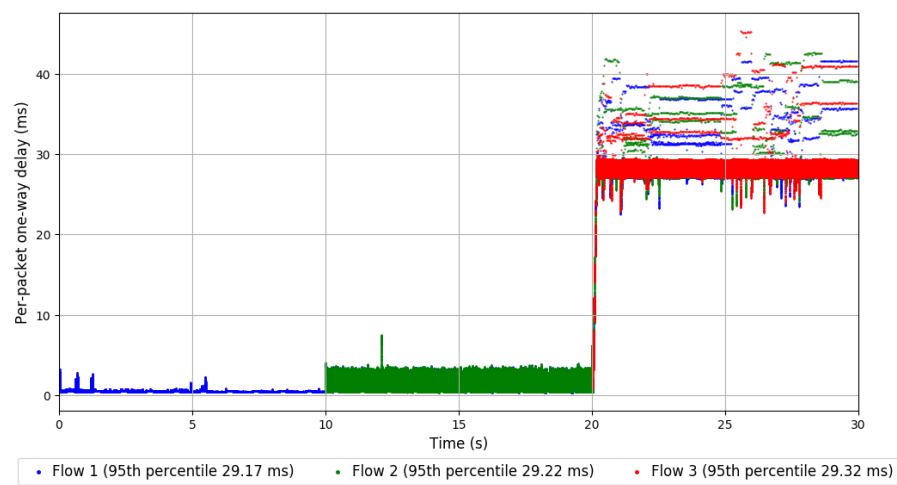
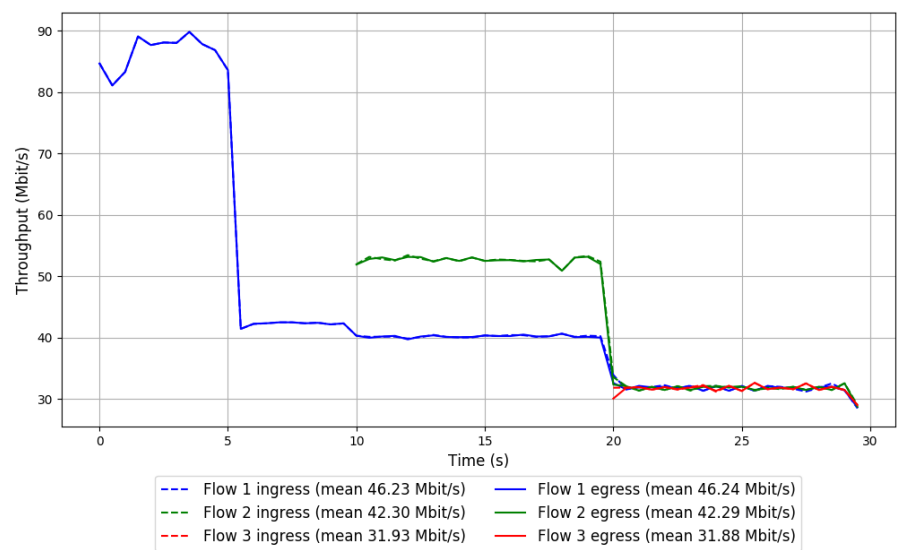


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-13 16:21:31
End at: 2018-03-13 16:22:01
Local clock offset: 3.35 ms
Remote clock offset: -6.489 ms

Below is generated by plot.py at 2018-03-13 21:04:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.93 Mbit/s
95th percentile per-packet one-way delay: 29.228 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 29.173 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.29 Mbit/s
95th percentile per-packet one-way delay: 29.219 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 29.321 ms
Loss rate: 0.29%

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

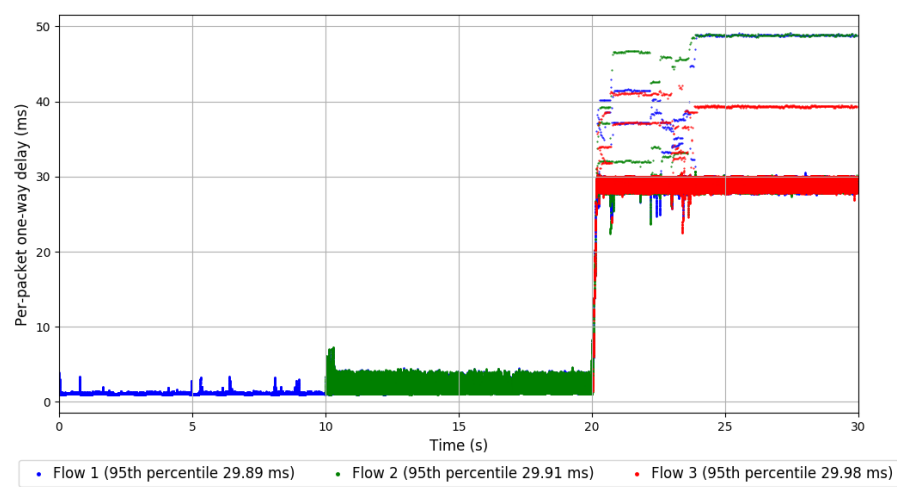
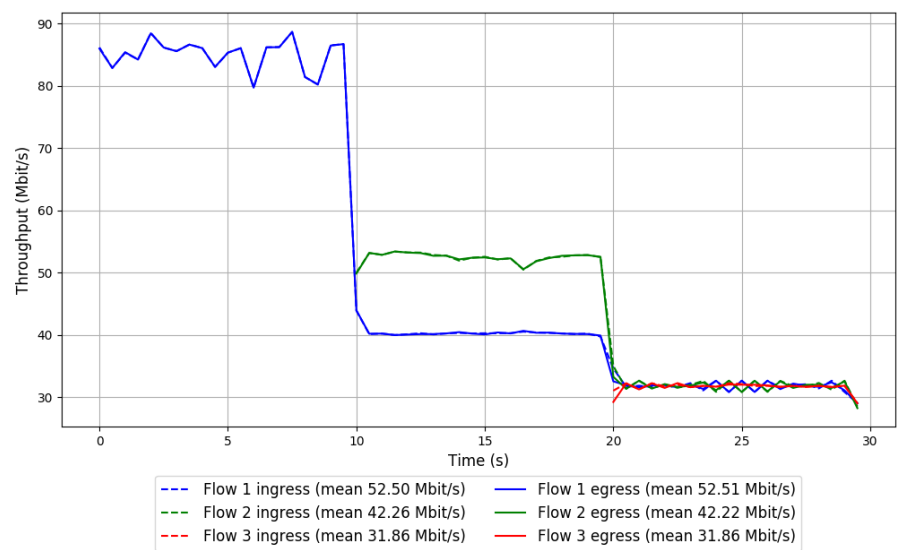


Run 8: Statistics of TaoVA-100x

Start at: 2018-03-13 16:41:50
End at: 2018-03-13 16:42:20
Local clock offset: -6.285 ms
Remote clock offset: -6.478 ms

Below is generated by plot.py at 2018-03-13 21:04:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 29.920 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.51 Mbit/s
95th percentile per-packet one-way delay: 29.893 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 42.22 Mbit/s
95th percentile per-packet one-way delay: 29.912 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 29.984 ms
Loss rate: 0.29%

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

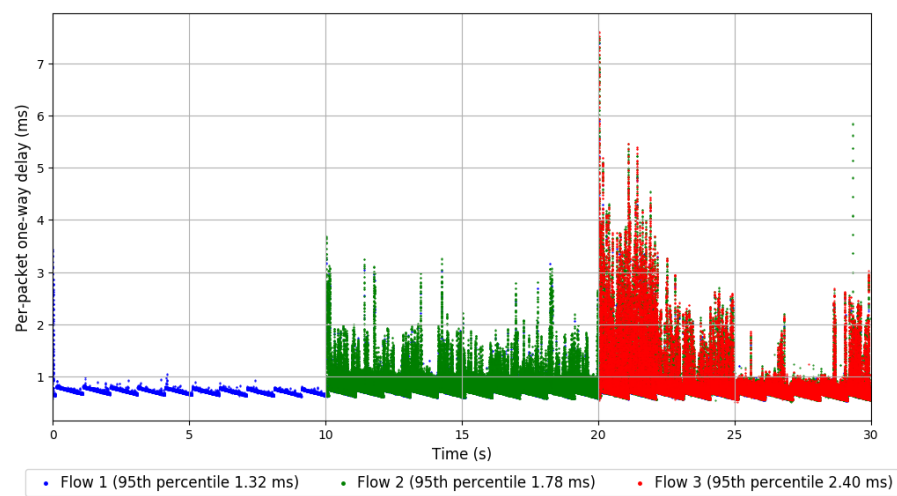
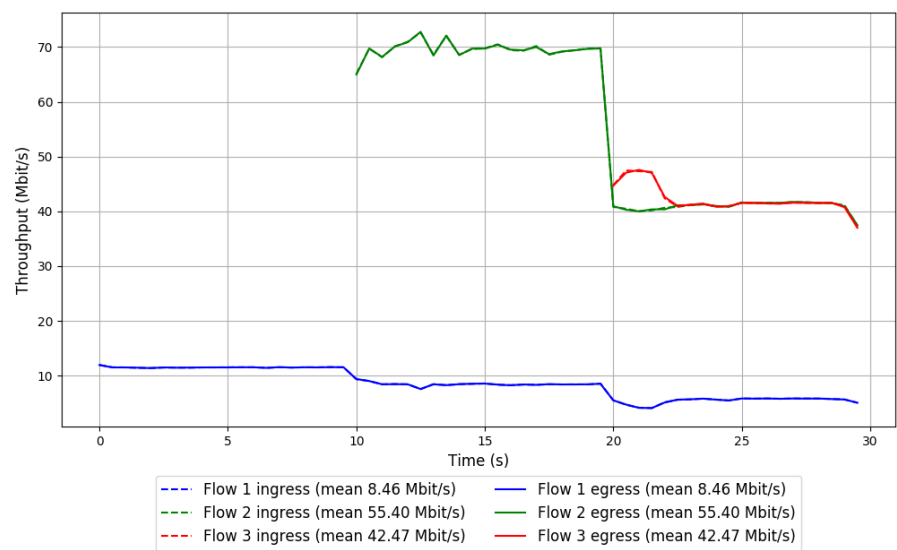


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-13 17:02:11
End at: 2018-03-13 17:02:41
Local clock offset: -6.069 ms
Remote clock offset: -6.337 ms

Below is generated by plot.py at 2018-03-13 21:05:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 1.921 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.46 Mbit/s
95th percentile per-packet one-way delay: 1.317 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.40 Mbit/s
95th percentile per-packet one-way delay: 1.779 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 42.47 Mbit/s
95th percentile per-packet one-way delay: 2.398 ms
Loss rate: 0.04%

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

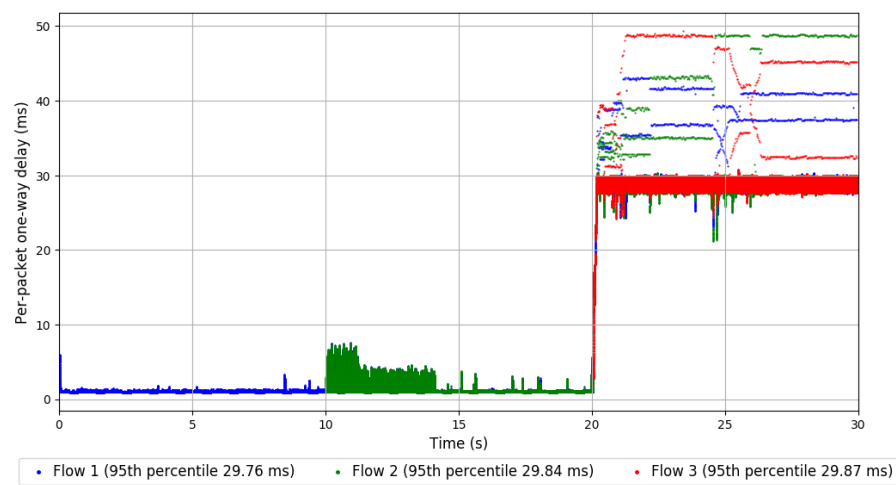
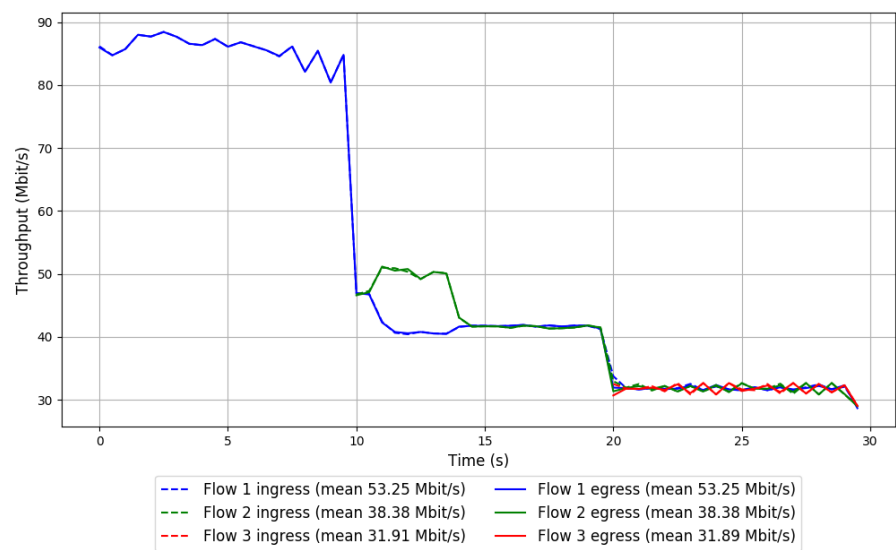


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-13 17:22:29
End at: 2018-03-13 17:22:59
Local clock offset: -3.665 ms
Remote clock offset: -6.907 ms

Below is generated by plot.py at 2018-03-13 21:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.35 Mbit/s
95th percentile per-packet one-way delay: 29.821 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.25 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 38.38 Mbit/s
95th percentile per-packet one-way delay: 29.838 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 29.870 ms
Loss rate: 0.29%

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

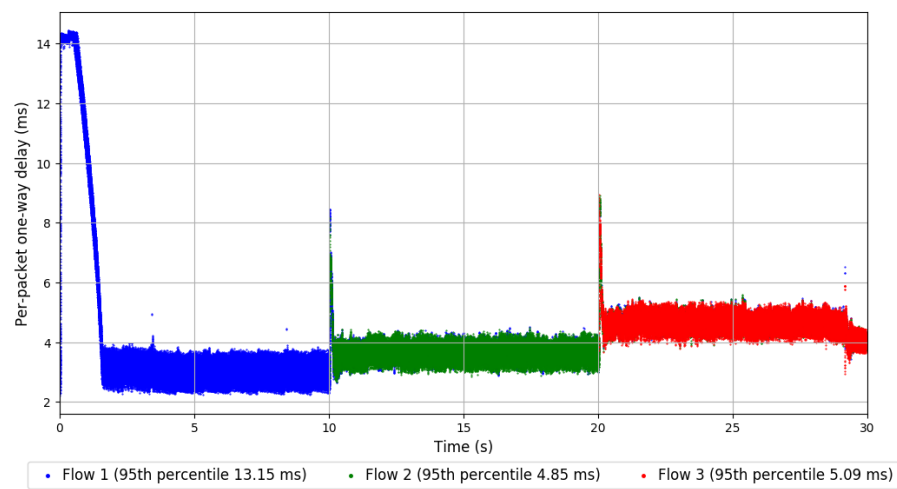
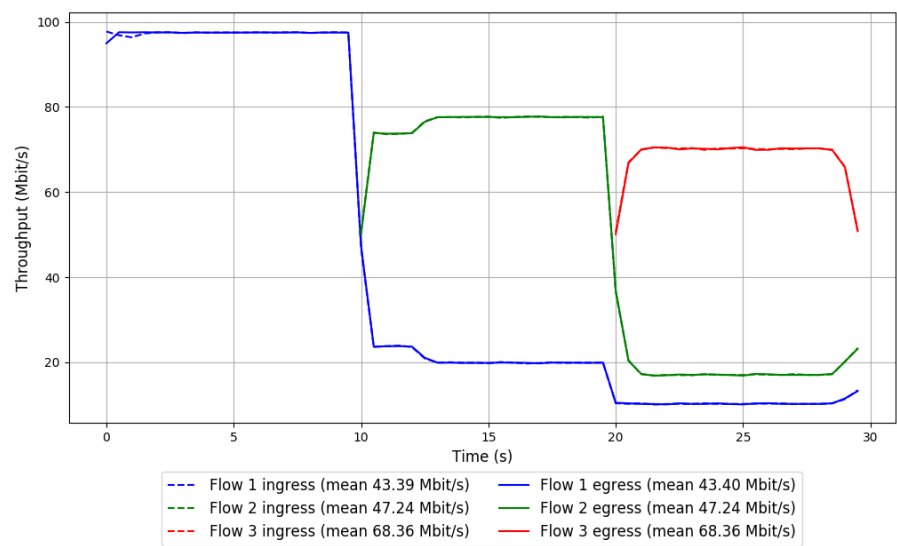


Run 1: Statistics of TCP Vegas

Start at: 2018-03-13 14:05:22
End at: 2018-03-13 14:05:52
Local clock offset: -6.422 ms
Remote clock offset: -6.791 ms

Below is generated by plot.py at 2018-03-13 21:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.985 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 13.149 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 4.849 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 68.36 Mbit/s
95th percentile per-packet one-way delay: 5.091 ms
Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link

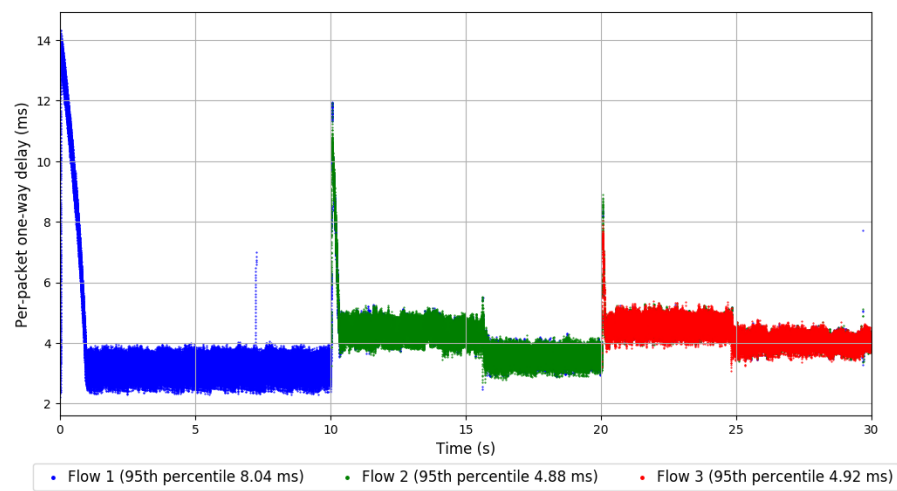
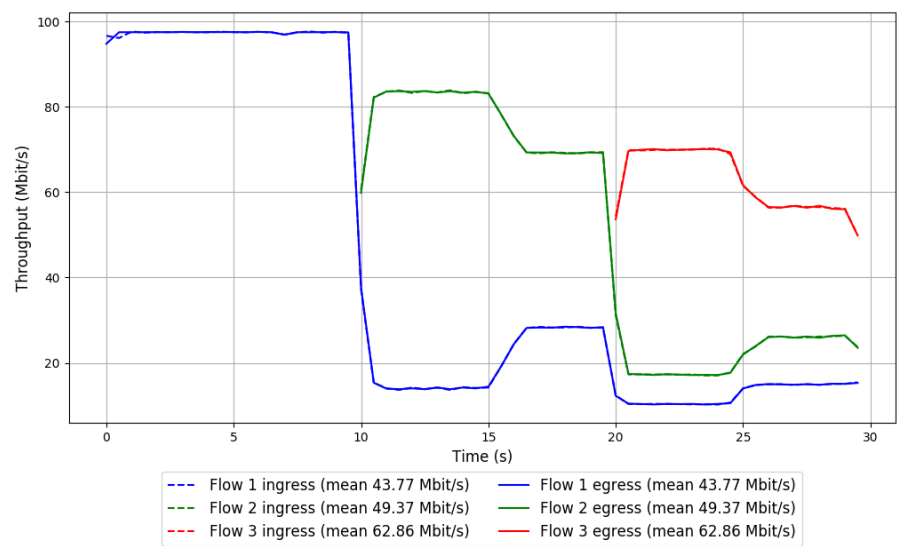


Run 2: Statistics of TCP Vegas

Start at: 2018-03-13 14:25:51
End at: 2018-03-13 14:26:21
Local clock offset: -5.791 ms
Remote clock offset: -6.797 ms

Below is generated by plot.py at 2018-03-13 21:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.979 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.77 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.37 Mbit/s
95th percentile per-packet one-way delay: 4.875 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 62.86 Mbit/s
95th percentile per-packet one-way delay: 4.924 ms
Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link

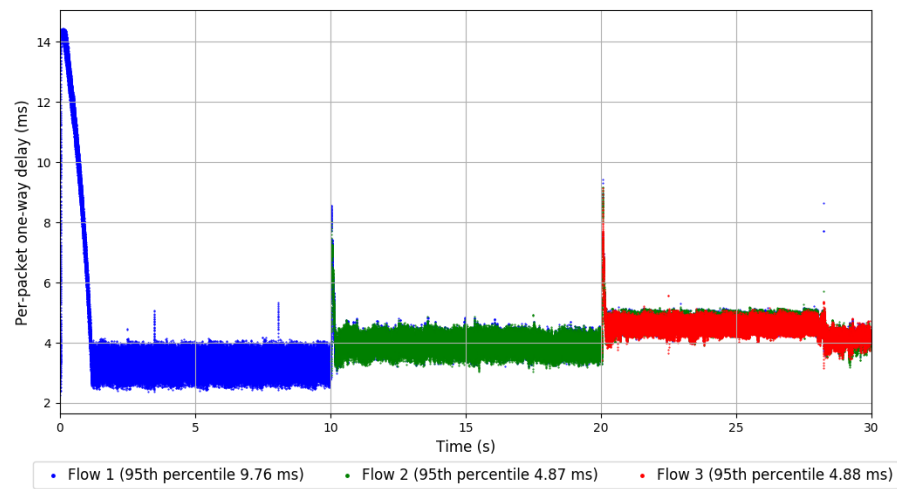
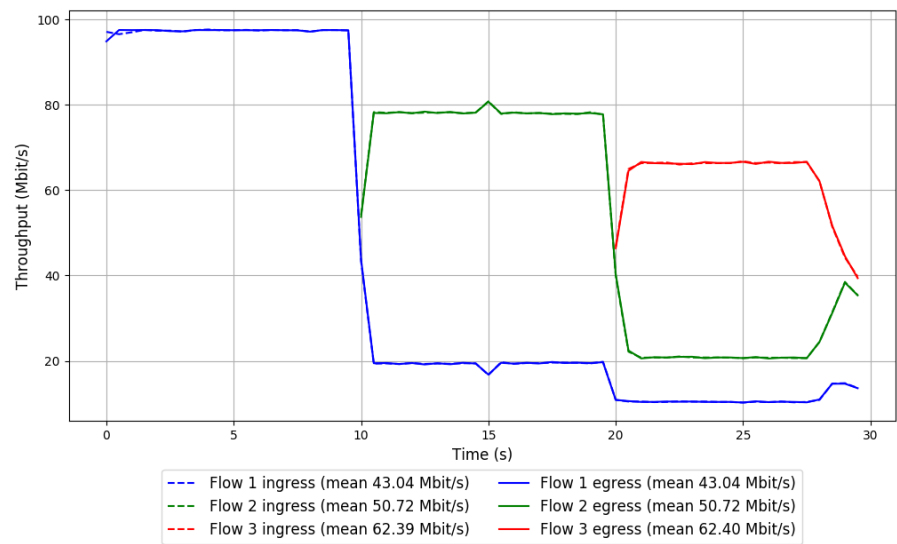


Run 3: Statistics of TCP Vegas

Start at: 2018-03-13 14:46:16
End at: 2018-03-13 14:46:46
Local clock offset: -6.217 ms
Remote clock offset: -6.657 ms

Below is generated by plot.py at 2018-03-13 21:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 4.985 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 43.04 Mbit/s
95th percentile per-packet one-way delay: 9.756 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.72 Mbit/s
95th percentile per-packet one-way delay: 4.866 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 4.881 ms
Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link

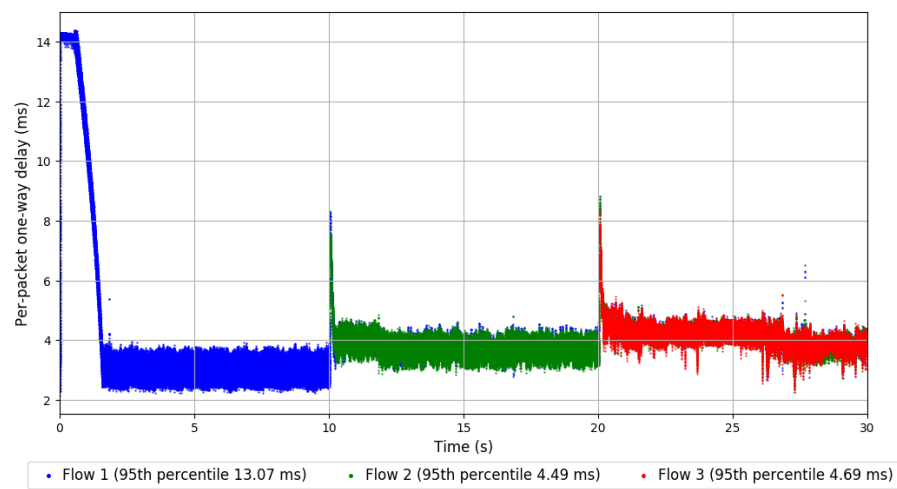
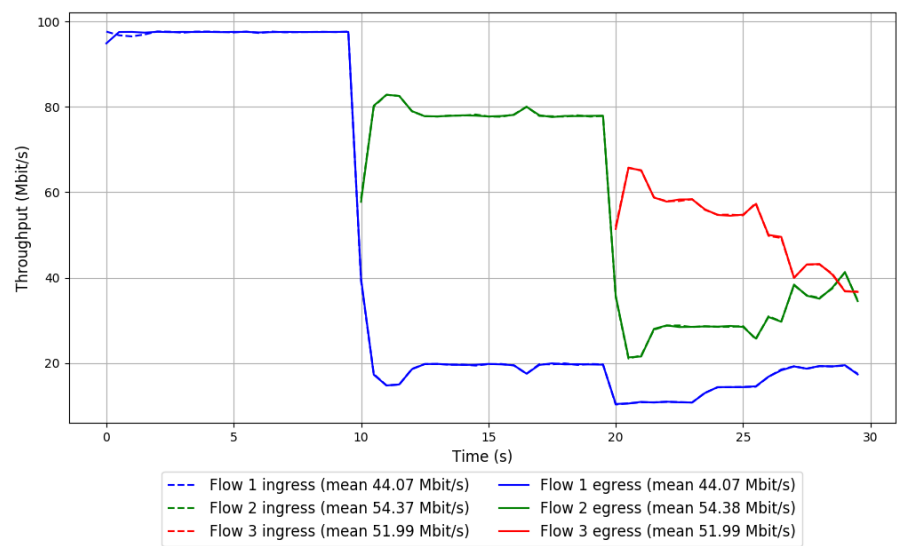


Run 4: Statistics of TCP Vegas

Start at: 2018-03-13 15:06:41
End at: 2018-03-13 15:07:11
Local clock offset: -6.962 ms
Remote clock offset: -6.708 ms

Below is generated by plot.py at 2018-03-13 21:05:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 6.041 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.07 Mbit/s
95th percentile per-packet one-way delay: 13.073 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 4.491 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 4.693 ms
Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-13 15:27:06

End at: 2018-03-13 15:27:36

Local clock offset: -2.29 ms

Remote clock offset: -6.78 ms

Below is generated by plot.py at 2018-03-13 21:05:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 5.852 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 45.70 Mbit/s

95th percentile per-packet one-way delay: 12.900 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 45.17 Mbit/s

95th percentile per-packet one-way delay: 4.602 ms

Loss rate: 0.01%

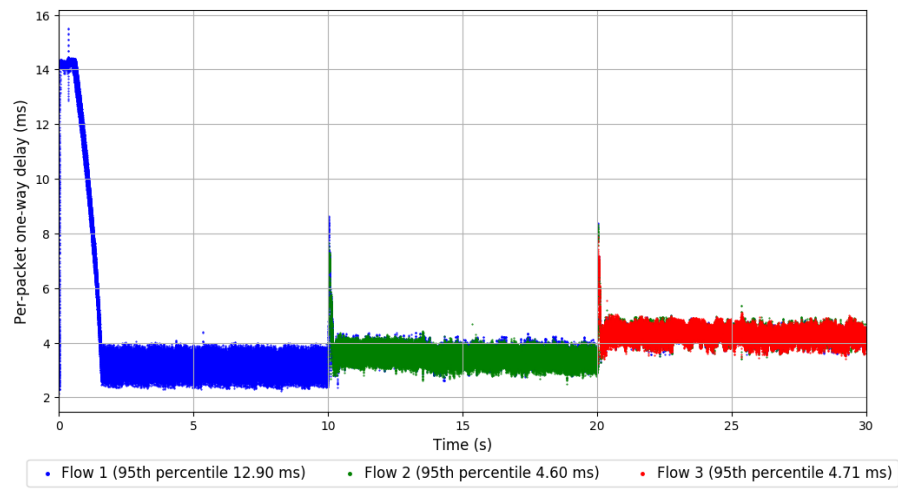
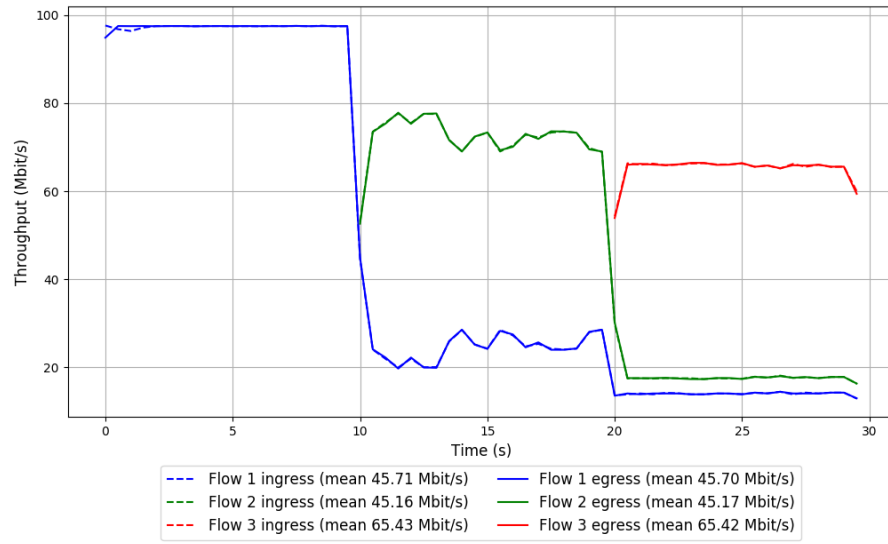
-- Flow 3:

Average throughput: 65.42 Mbit/s

95th percentile per-packet one-way delay: 4.705 ms

Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-13 15:47:31

End at: 2018-03-13 15:48:01

Local clock offset: 0.488 ms

Remote clock offset: -6.81 ms

Below is generated by plot.py at 2018-03-13 21:06:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 4.419 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: 6.407 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.54 Mbit/s

95th percentile per-packet one-way delay: 4.270 ms

Loss rate: 0.01%

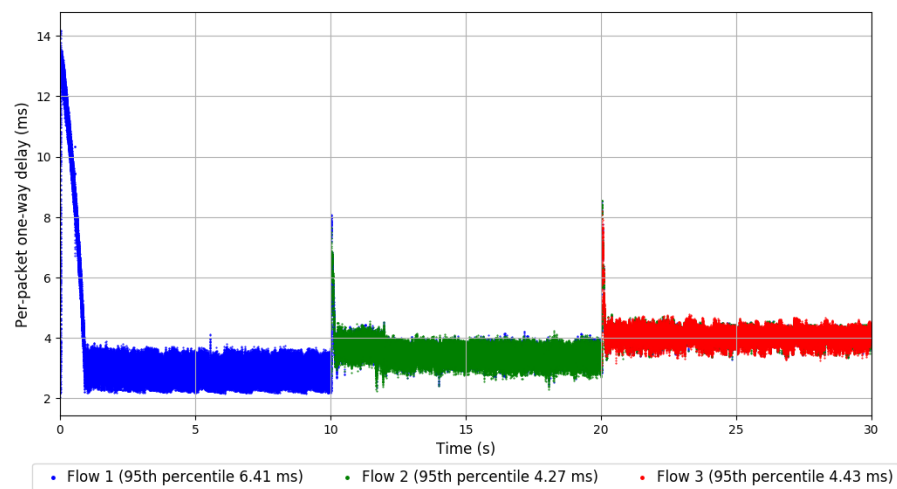
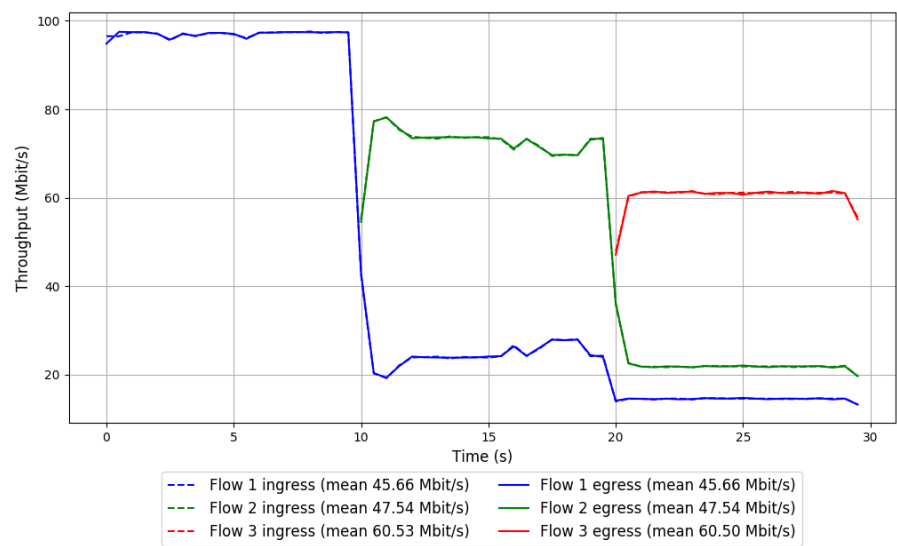
-- Flow 3:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 4.429 ms

Loss rate: 0.07%

Run 6: Report of TCP Vegas — Data Link

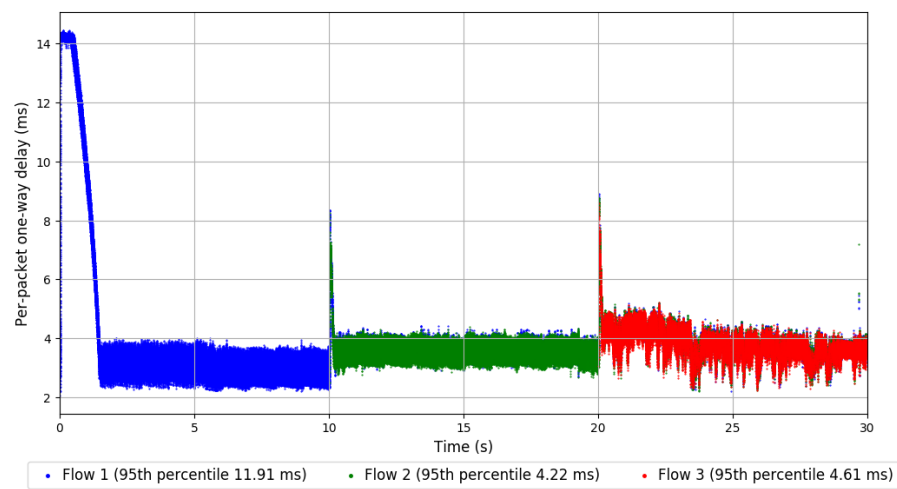
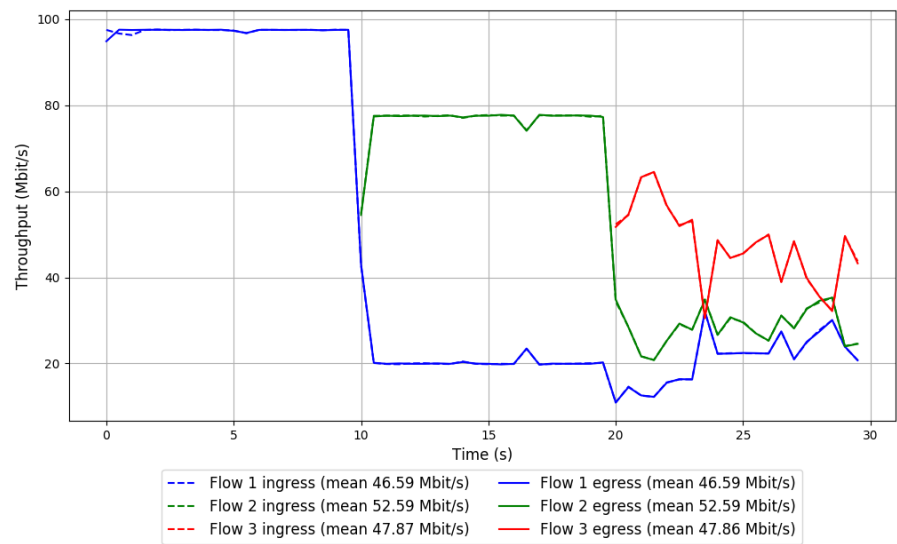


Run 7: Statistics of TCP Vegas

Start at: 2018-03-13 16:07:56
End at: 2018-03-13 16:08:26
Local clock offset: 2.483 ms
Remote clock offset: -6.628 ms

Below is generated by plot.py at 2018-03-13 21:06:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 5.237 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 11.908 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 52.59 Mbit/s
95th percentile per-packet one-way delay: 4.220 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 4.607 ms
Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link

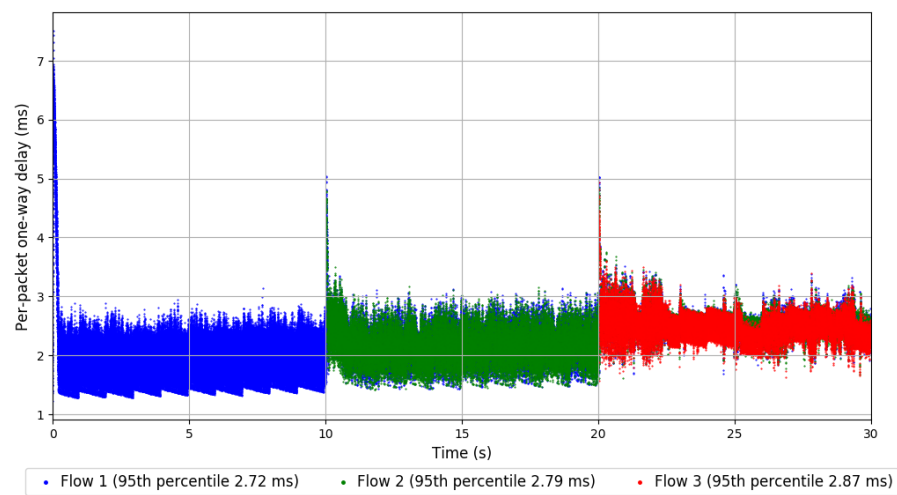
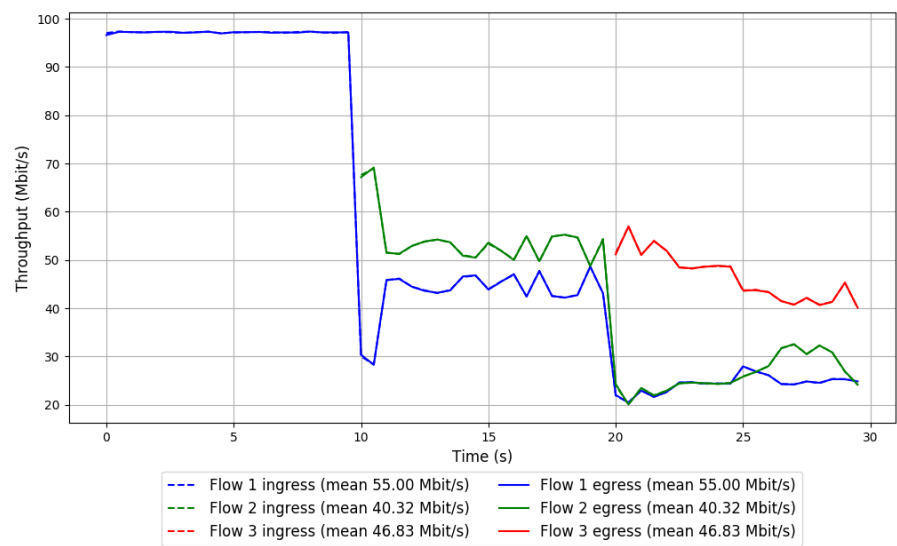


Run 8: Statistics of TCP Vegas

Start at: 2018-03-13 16:28:20
End at: 2018-03-13 16:28:50
Local clock offset: -0.962 ms
Remote clock offset: -6.462 ms

Below is generated by plot.py at 2018-03-13 21:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 2.774 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.00 Mbit/s
95th percentile per-packet one-way delay: 2.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 2.785 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 2.867 ms
Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link

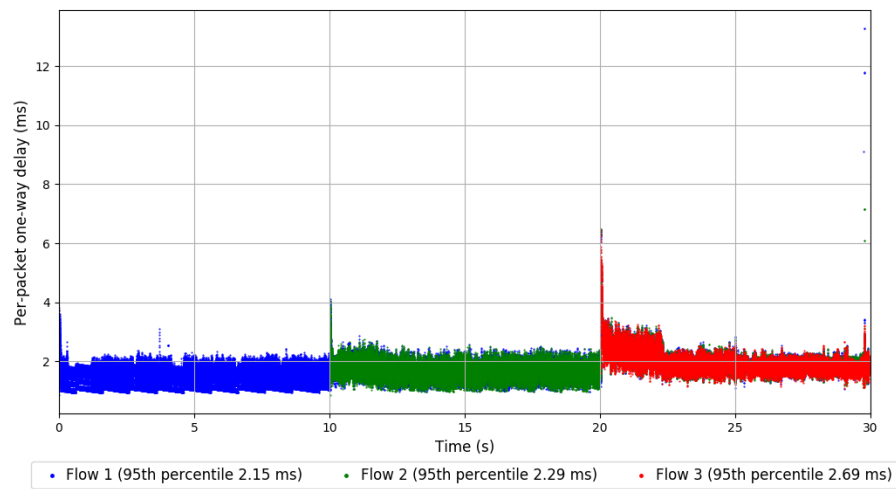
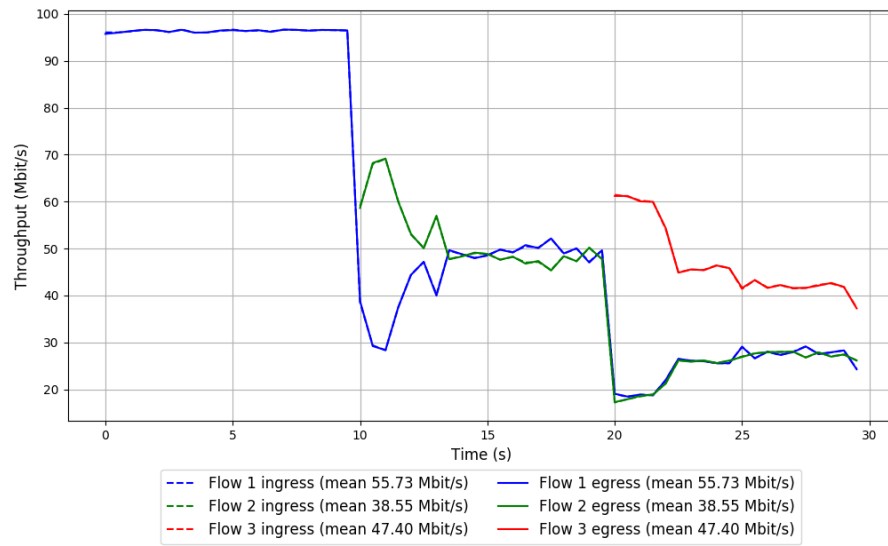


Run 9: Statistics of TCP Vegas

Start at: 2018-03-13 16:48:40
End at: 2018-03-13 16:49:10
Local clock offset: -7.376 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-03-13 21:06:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.08 Mbit/s
95th percentile per-packet one-way delay: 2.324 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 2.148 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 2.289 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 47.40 Mbit/s
95th percentile per-packet one-way delay: 2.688 ms
Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-03-13 17:09:00

End at: 2018-03-13 17:09:30

Local clock offset: -4.588 ms

Remote clock offset: -6.35 ms

Below is generated by plot.py at 2018-03-13 21:06:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 1.939 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 56.60 Mbit/s

95th percentile per-packet one-way delay: 1.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.20 Mbit/s

95th percentile per-packet one-way delay: 1.985 ms

Loss rate: 0.01%

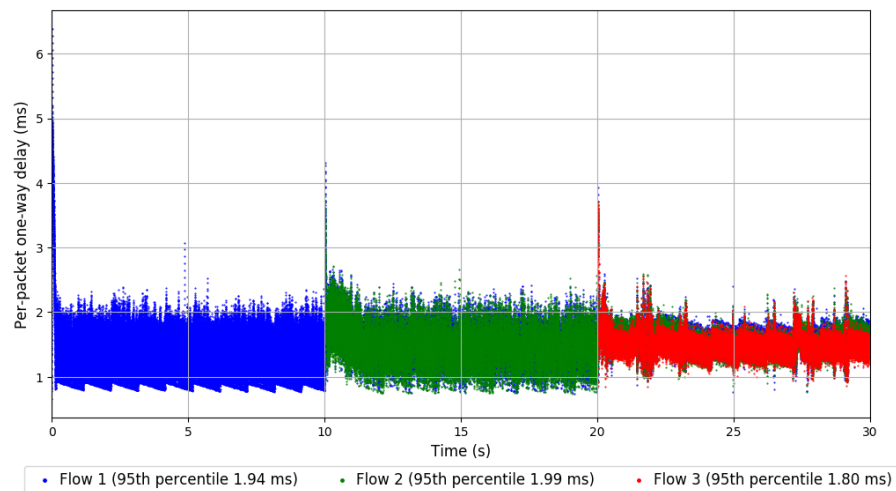
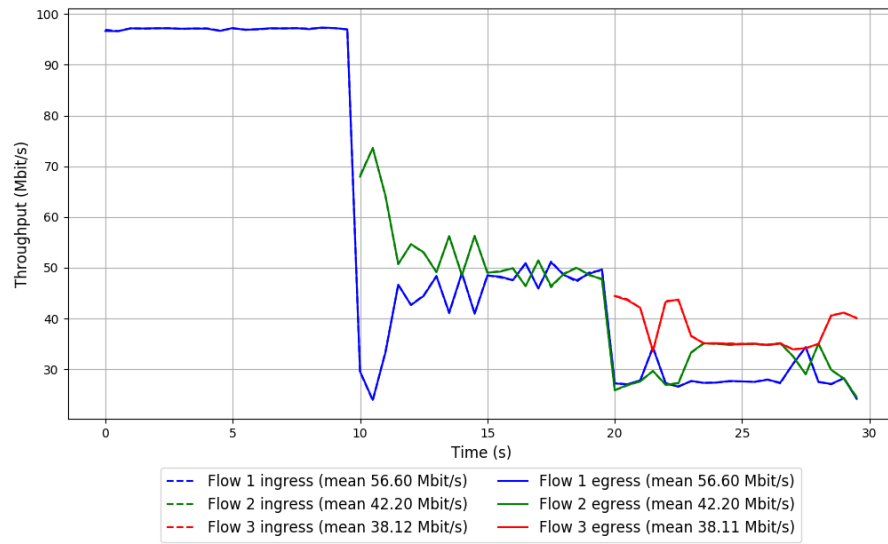
-- Flow 3:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 1.800 ms

Loss rate: 0.03%

Run 10: Report of TCP Vegas — Data Link

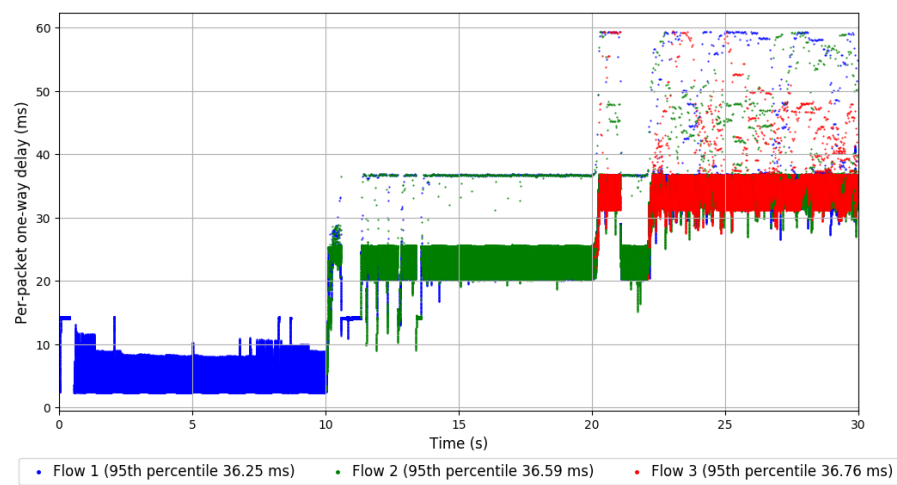
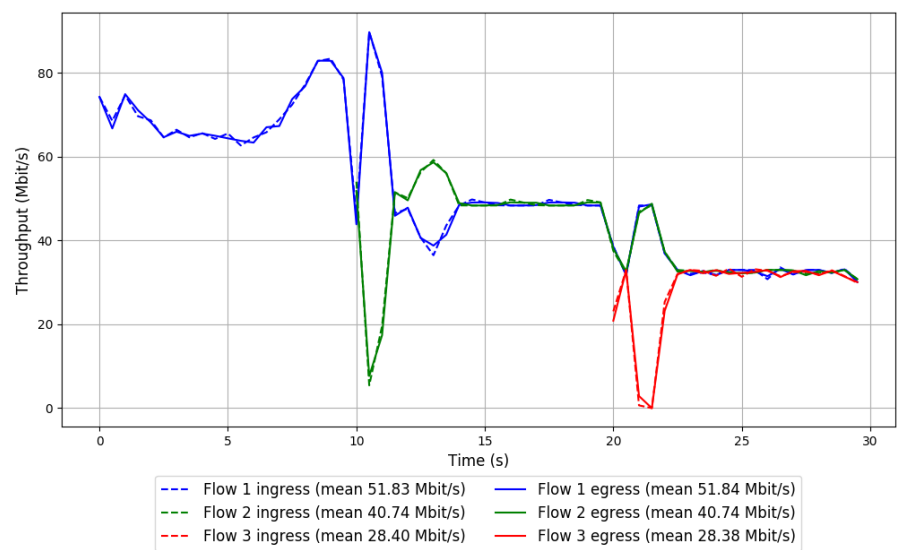


Run 1: Statistics of Verus

Start at: 2018-03-13 14:13:17
End at: 2018-03-13 14:13:47
Local clock offset: -6.012 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-03-13 21:06:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 36.619 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.84 Mbit/s
95th percentile per-packet one-way delay: 36.247 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.74 Mbit/s
95th percentile per-packet one-way delay: 36.585 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 36.761 ms
Loss rate: 0.40%

Run 1: Report of Verus — Data Link

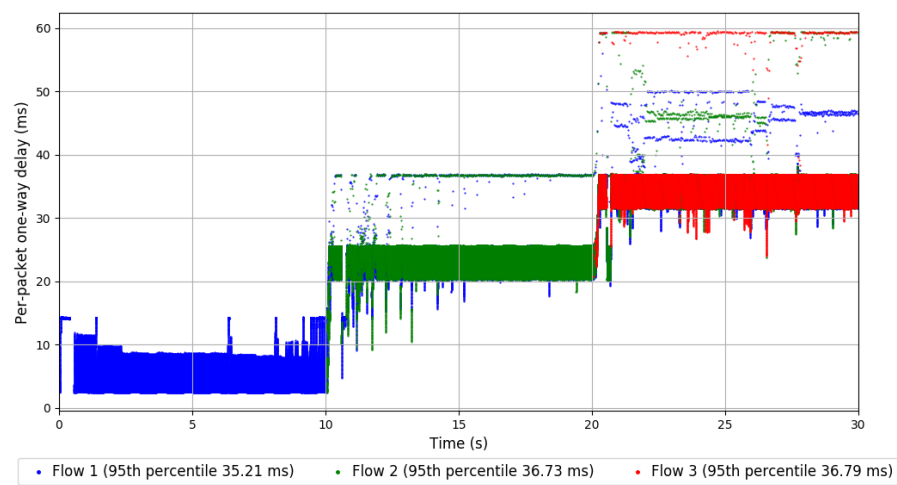
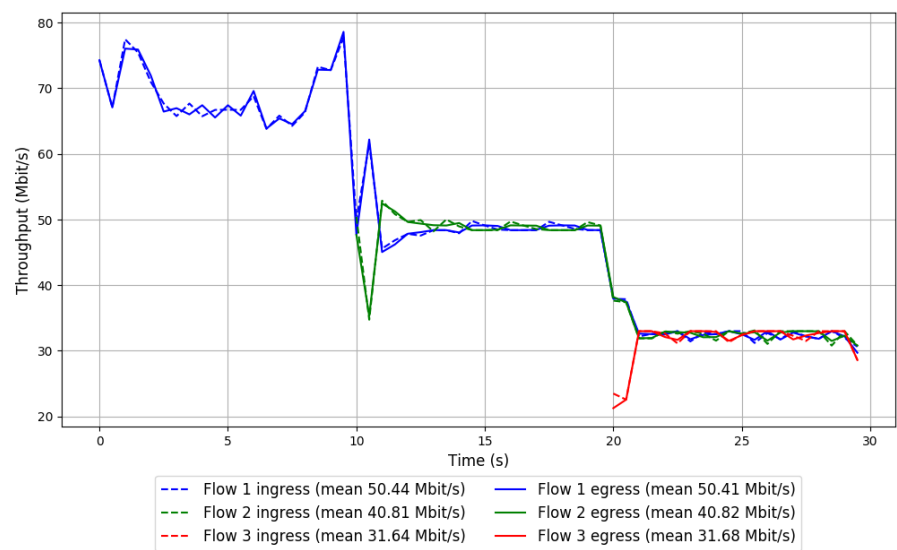


Run 2: Statistics of Verus

Start at: 2018-03-13 14:33:44
End at: 2018-03-13 14:34:14
Local clock offset: -5.64 ms
Remote clock offset: -6.748 ms

Below is generated by plot.py at 2018-03-13 21:07:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 36.700 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 35.213 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 40.82 Mbit/s
95th percentile per-packet one-way delay: 36.732 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 36.794 ms
Loss rate: 0.36%

Run 2: Report of Verus — Data Link

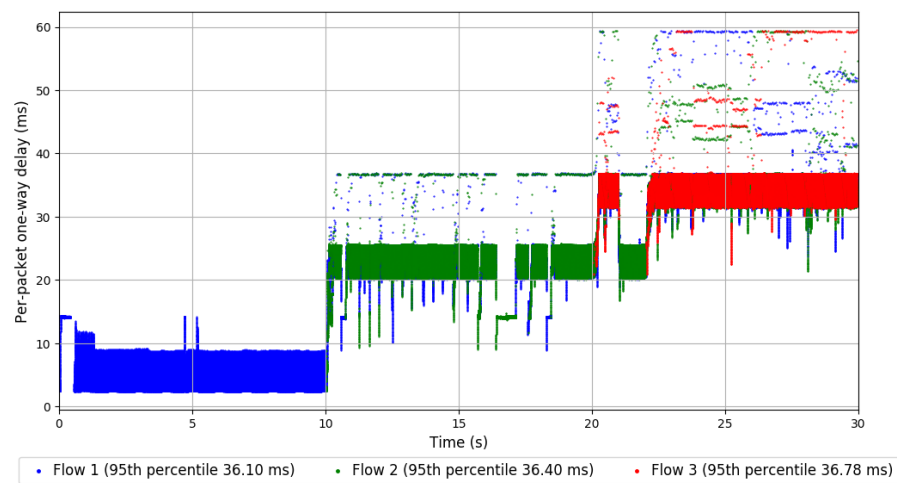
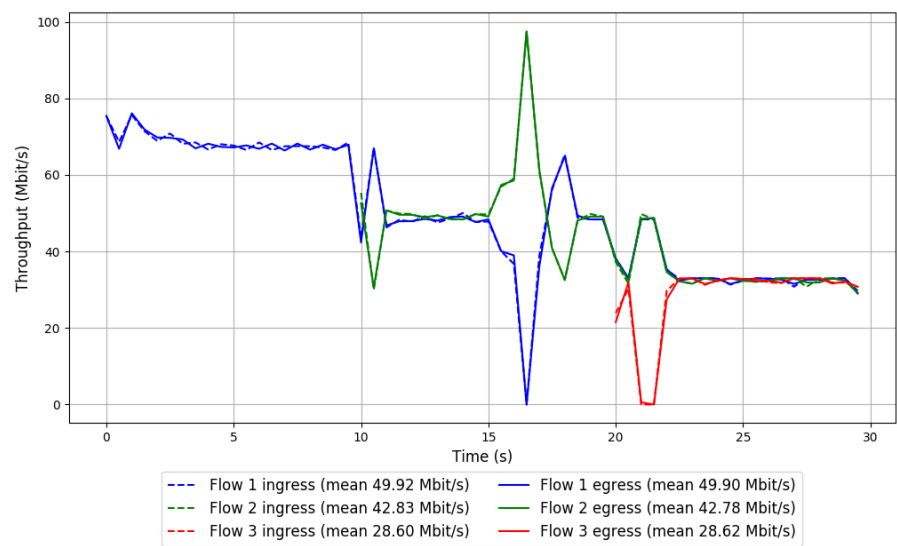


Run 3: Statistics of Verus

Start at: 2018-03-13 14:54:08
End at: 2018-03-13 14:54:38
Local clock offset: -6.532 ms
Remote clock offset: -6.586 ms

Below is generated by plot.py at 2018-03-13 21:07:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 36.652 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 36.099 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.78 Mbit/s
95th percentile per-packet one-way delay: 36.395 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 28.62 Mbit/s
95th percentile per-packet one-way delay: 36.779 ms
Loss rate: 0.39%

Run 3: Report of Verus — Data Link

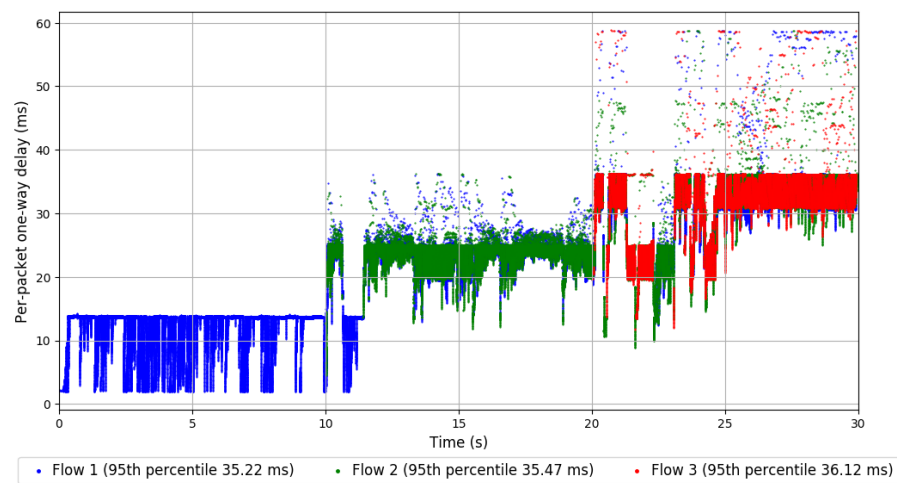
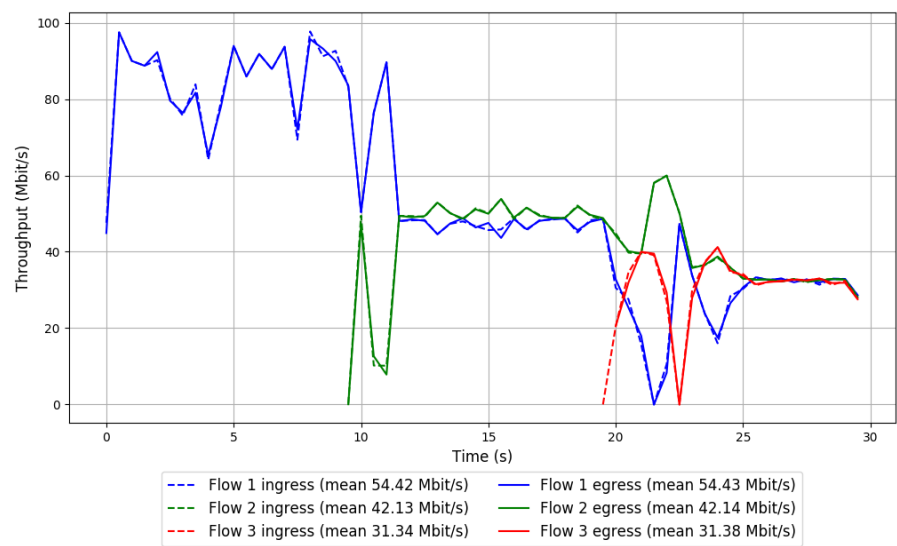


Run 4: Statistics of Verus

Start at: 2018-03-13 15:14:34
End at: 2018-03-13 15:15:04
Local clock offset: -7.004 ms
Remote clock offset: -6.68 ms

Below is generated by plot.py at 2018-03-13 21:07:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.89 Mbit/s
95th percentile per-packet one-way delay: 35.790 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 54.43 Mbit/s
95th percentile per-packet one-way delay: 35.221 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.14 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 36.118 ms
Loss rate: 0.36%

Run 4: Report of Verus — Data Link

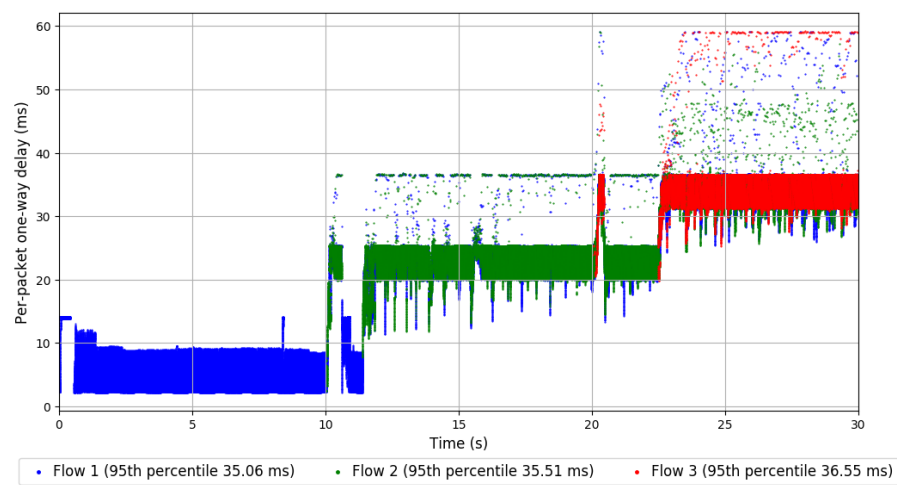
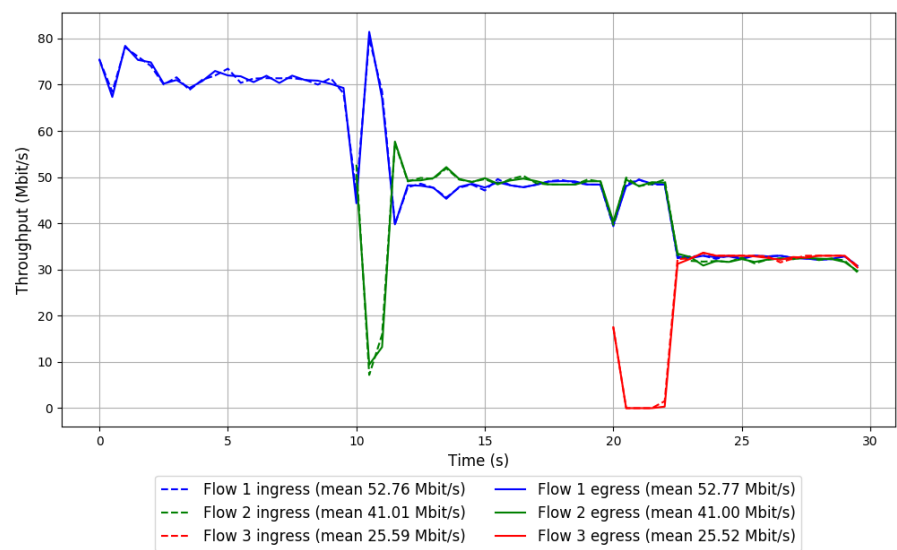


Run 5: Statistics of Verus

Start at: 2018-03-13 15:34:59
End at: 2018-03-13 15:35:29
Local clock offset: -0.949 ms
Remote clock offset: -6.752 ms

Below is generated by plot.py at 2018-03-13 21:07:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.48 Mbit/s
95th percentile per-packet one-way delay: 36.142 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.77 Mbit/s
95th percentile per-packet one-way delay: 35.058 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 41.00 Mbit/s
95th percentile per-packet one-way delay: 35.505 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.52 Mbit/s
95th percentile per-packet one-way delay: 36.545 ms
Loss rate: 0.50%

Run 5: Report of Verus — Data Link

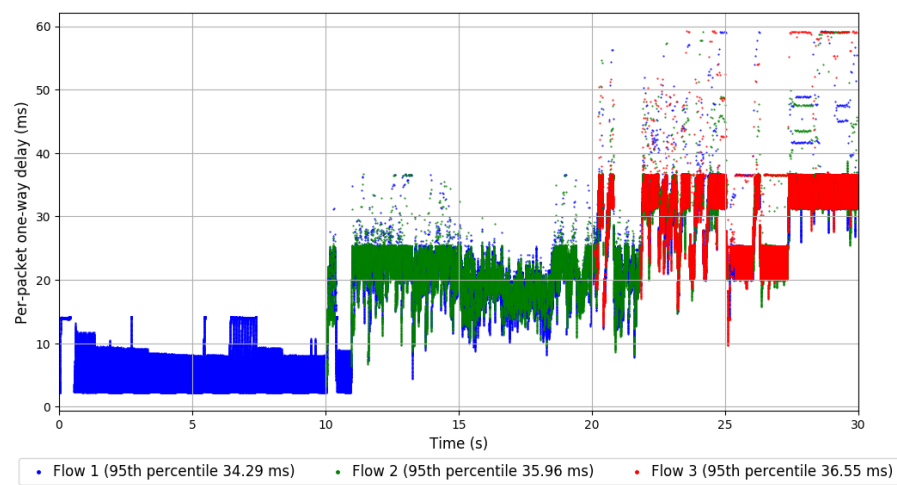
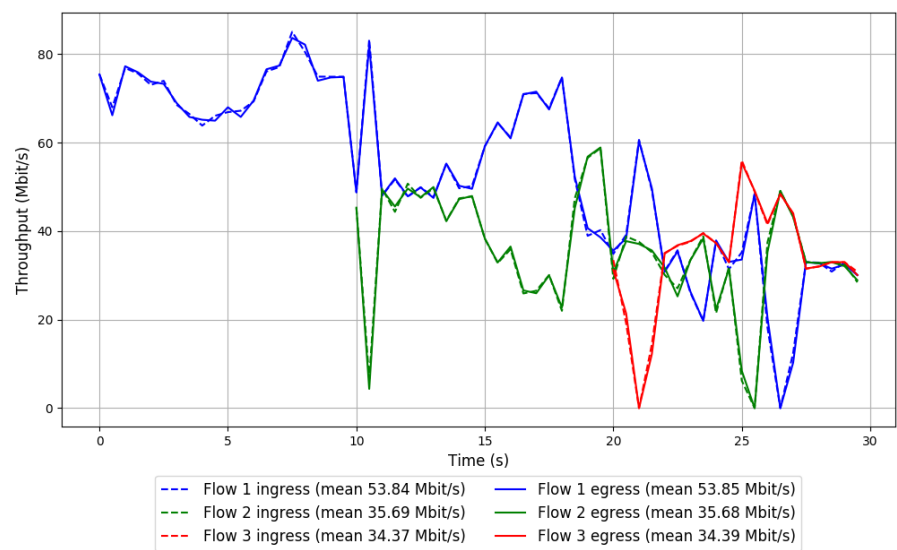


Run 6: Statistics of Verus

Start at: 2018-03-13 15:55:23
End at: 2018-03-13 15:55:53
Local clock offset: 1.314 ms
Remote clock offset: -6.831 ms

Below is generated by plot.py at 2018-03-13 21:07:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 35.804 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 34.290 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 35.68 Mbit/s
95th percentile per-packet one-way delay: 35.961 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 34.39 Mbit/s
95th percentile per-packet one-way delay: 36.547 ms
Loss rate: 0.43%

Run 6: Report of Verus — Data Link

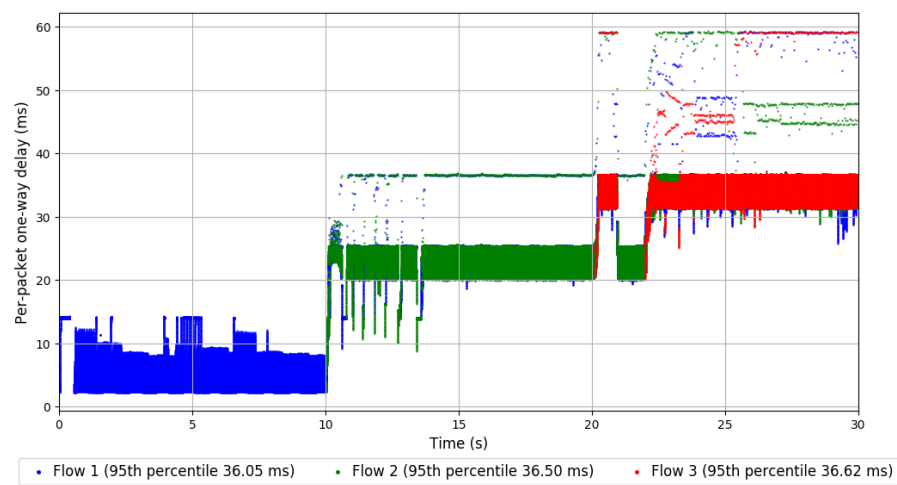
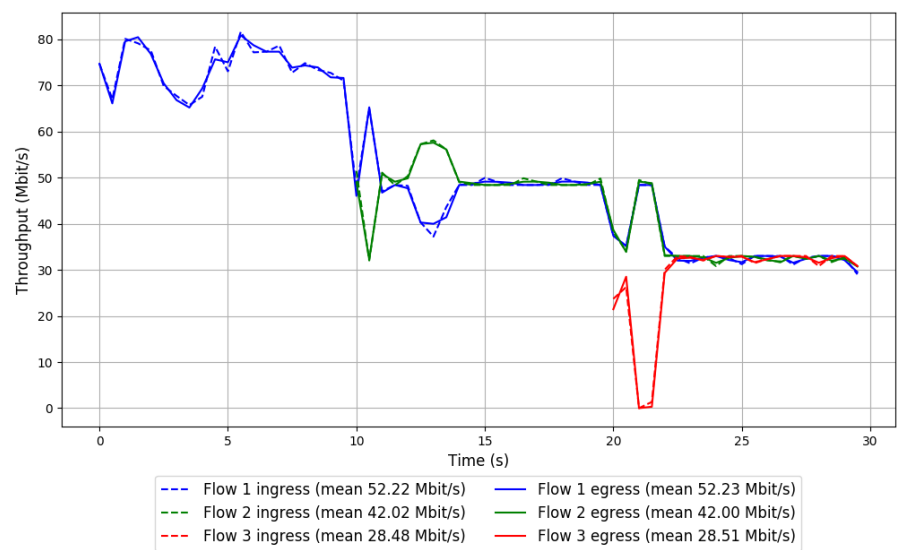


Run 7: Statistics of Verus

Start at: 2018-03-13 16:15:50
End at: 2018-03-13 16:16:20
Local clock offset: 3.219 ms
Remote clock offset: -6.546 ms

Below is generated by plot.py at 2018-03-13 21:08:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 36.509 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 36.049 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 36.497 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 36.616 ms
Loss rate: 0.40%

Run 7: Report of Verus — Data Link

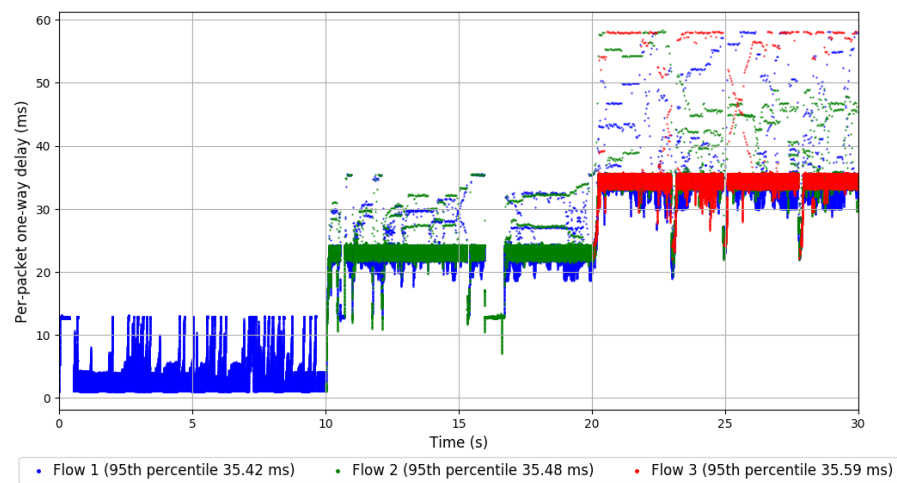
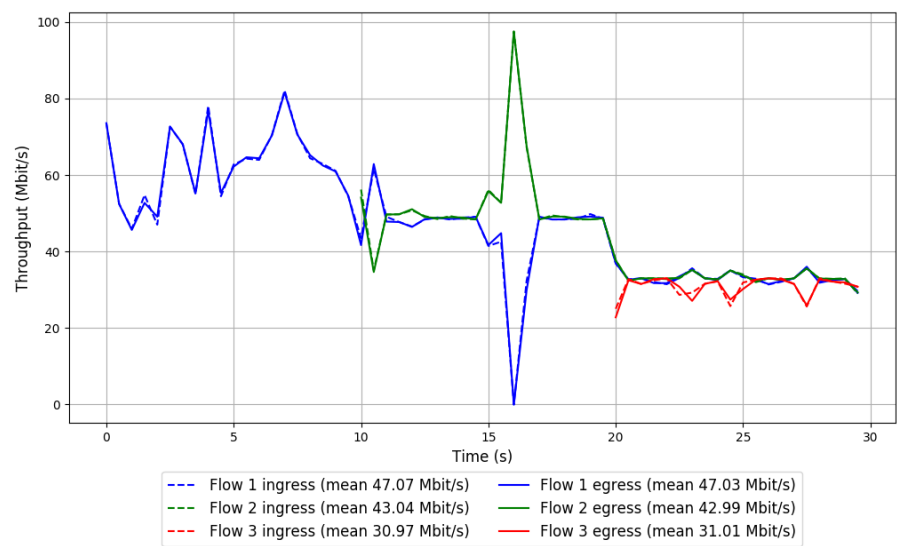


Run 8: Statistics of Verus

Start at: 2018-03-13 16:36:12
End at: 2018-03-13 16:36:42
Local clock offset: -4.855 ms
Remote clock offset: -6.517 ms

Below is generated by plot.py at 2018-03-13 21:08:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 35.508 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 35.421 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 35.483 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 35.591 ms
Loss rate: 0.36%

Run 8: Report of Verus — Data Link

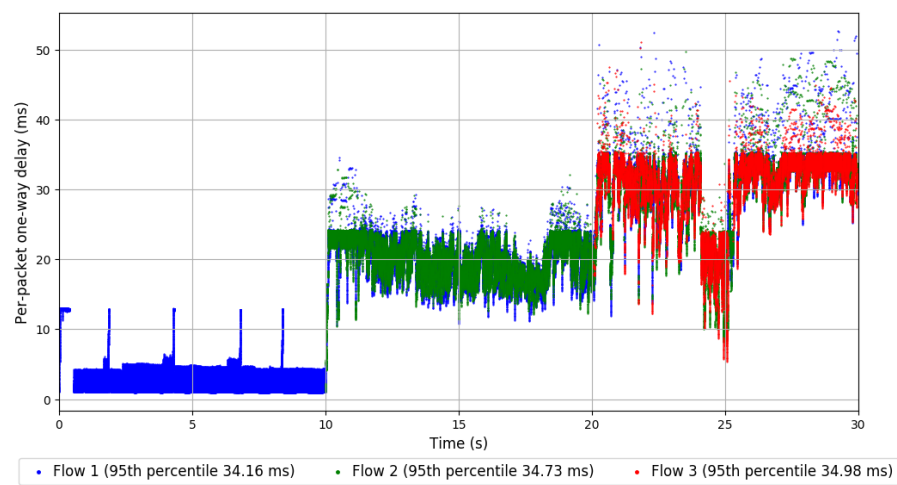
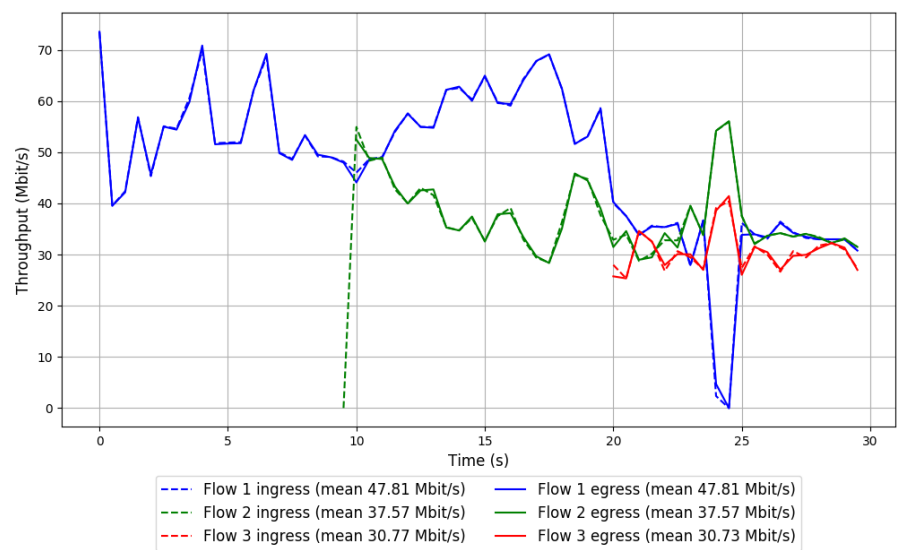


Run 9: Statistics of Verus

Start at: 2018-03-13 16:56:32
End at: 2018-03-13 16:57:02
Local clock offset: -8.23 ms
Remote clock offset: -6.465 ms

Below is generated by plot.py at 2018-03-13 21:08:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 34.566 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 47.81 Mbit/s
95th percentile per-packet one-way delay: 34.162 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 34.735 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 34.977 ms
Loss rate: 0.35%

Run 9: Report of Verus — Data Link

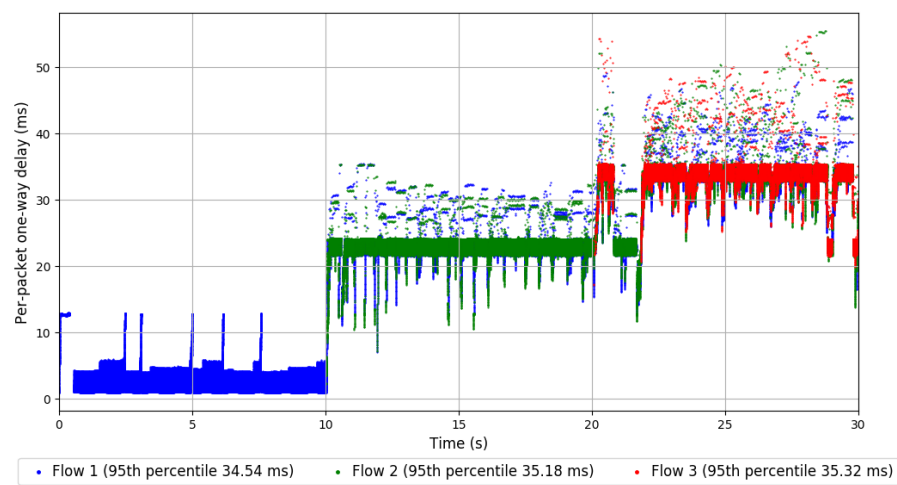
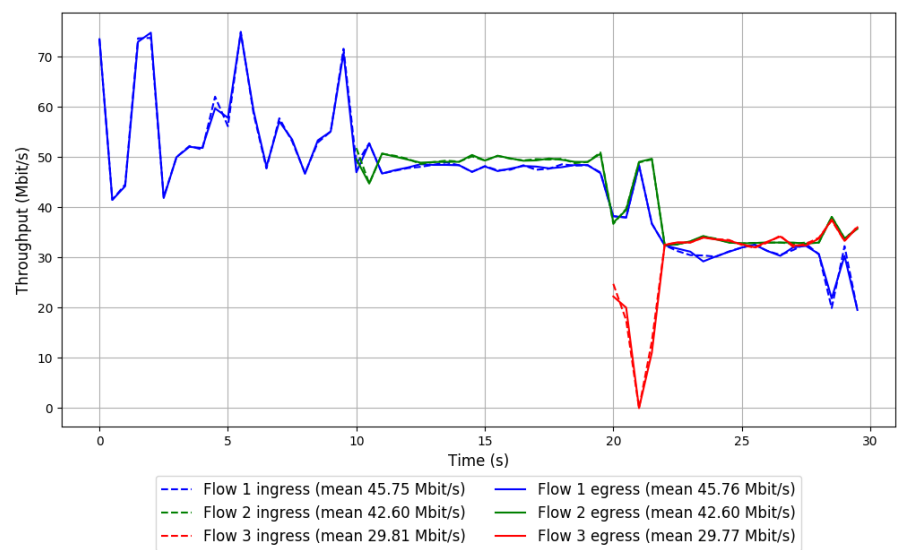


Run 10: Statistics of Verus

Start at: 2018-03-13 17:16:51
End at: 2018-03-13 17:17:21
Local clock offset: -3.932 ms
Remote clock offset: -6.819 ms

Below is generated by plot.py at 2018-03-13 21:08:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 35.175 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 45.76 Mbit/s
95th percentile per-packet one-way delay: 34.536 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 35.182 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.77 Mbit/s
95th percentile per-packet one-way delay: 35.322 ms
Loss rate: 0.41%

Run 10: Report of Verus — Data Link

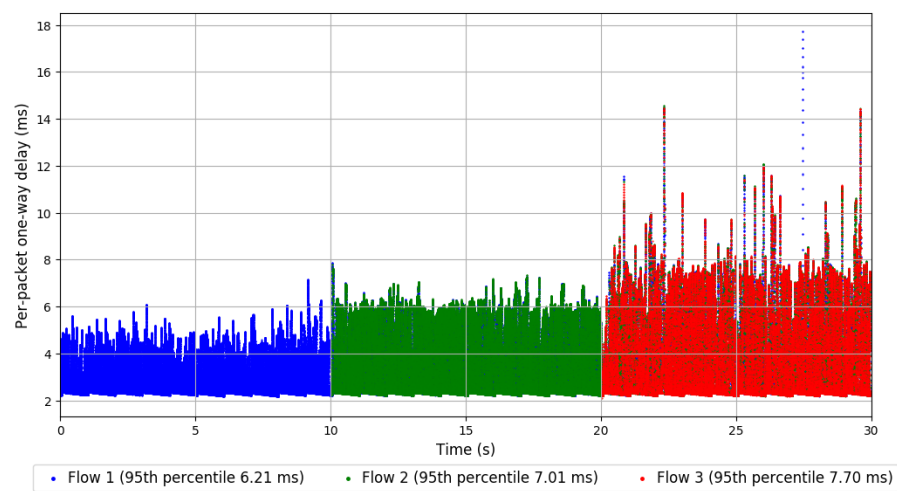
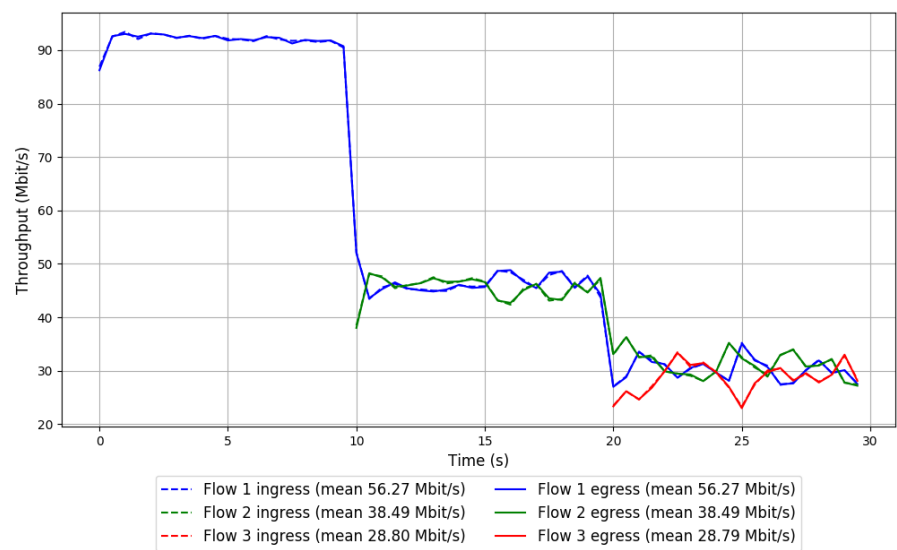


Run 1: Statistics of Copa

Start at: 2018-03-13 14:06:30
End at: 2018-03-13 14:07:00
Local clock offset: -6.403 ms
Remote clock offset: -6.812 ms

Below is generated by plot.py at 2018-03-13 21:09:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 6.848 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 6.213 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 7.012 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.79 Mbit/s
95th percentile per-packet one-way delay: 7.698 ms
Loss rate: 0.07%

Run 1: Report of Copa — Data Link

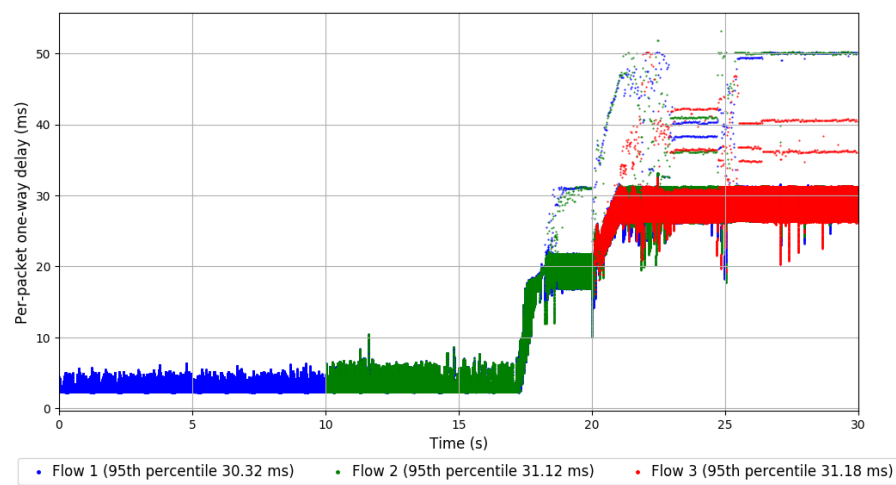
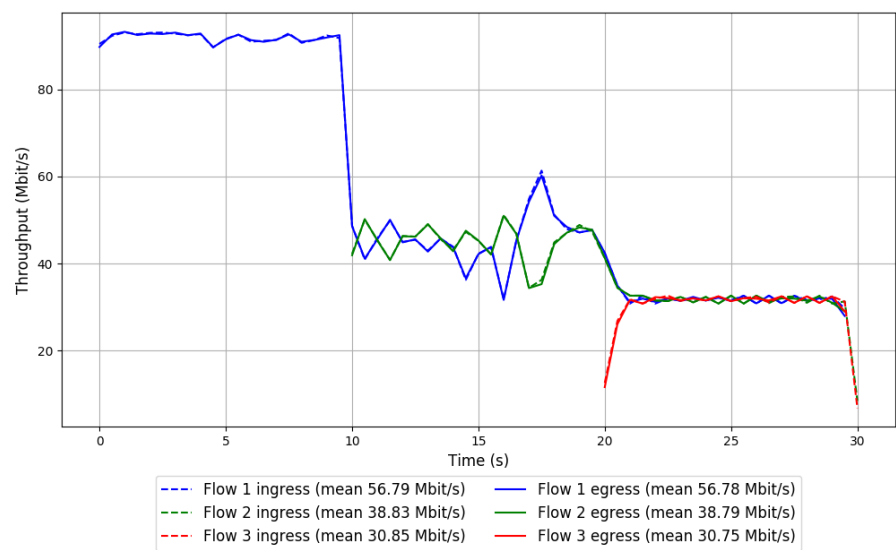


Run 2: Statistics of Copa

Start at: 2018-03-13 14:26:59
End at: 2018-03-13 14:27:29
Local clock offset: -5.8 ms
Remote clock offset: -6.773 ms

Below is generated by plot.py at 2018-03-13 21:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 31.066 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 31.182 ms
Loss rate: 1.76%

Run 2: Report of Copa — Data Link

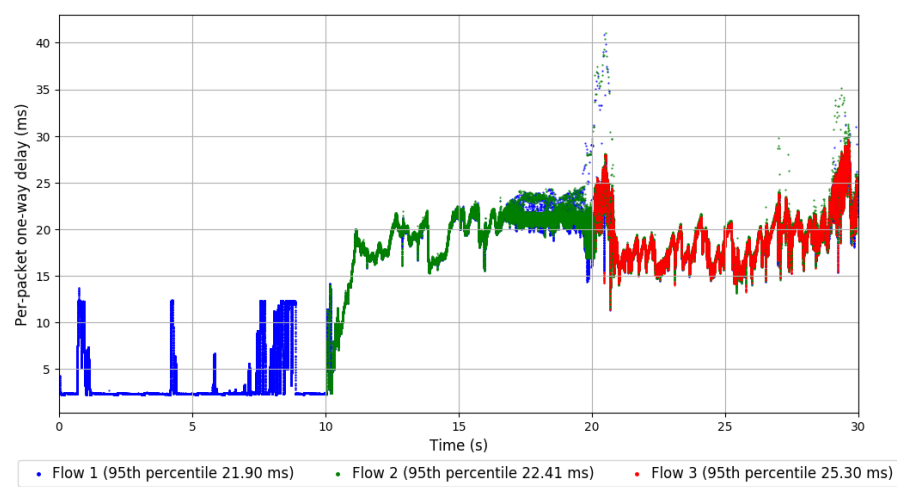
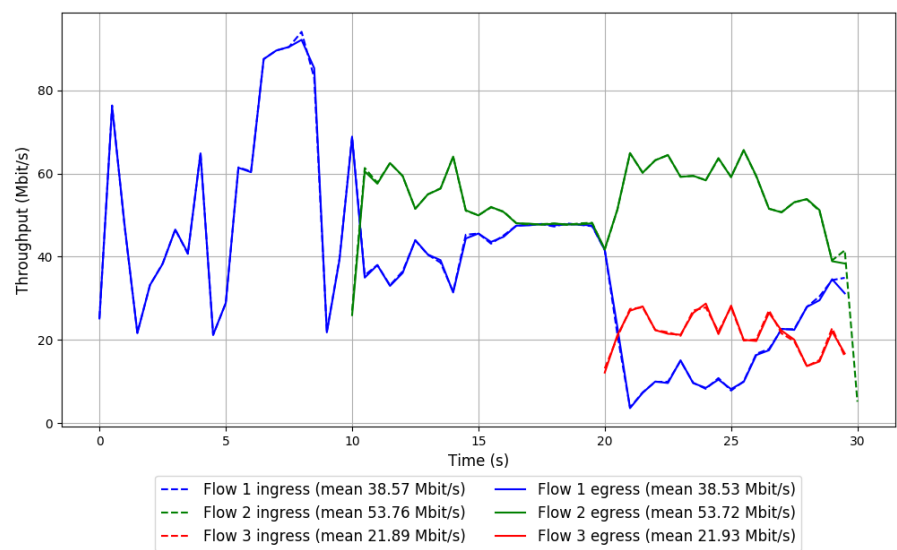


Run 3: Statistics of Copa

Start at: 2018-03-13 14:47:25
End at: 2018-03-13 14:47:55
Local clock offset: -6.258 ms
Remote clock offset: -6.583 ms

```
# Below is generated by plot.py at 2018-03-13 21:10:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.50 Mbit/s
95th percentile per-packet one-way delay: 22.402 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 21.900 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 53.72 Mbit/s
95th percentile per-packet one-way delay: 22.408 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 25.304 ms
Loss rate: 0.20%
```


Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-03-13 15:07:49

End at: 2018-03-13 15:08:19

Local clock offset: -6.866 ms

Remote clock offset: -6.65 ms

Below is generated by plot.py at 2018-03-13 21:10:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.97 Mbit/s

95th percentile per-packet one-way delay: 31.078 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 56.39 Mbit/s

95th percentile per-packet one-way delay: 29.912 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.06 Mbit/s

95th percentile per-packet one-way delay: 31.139 ms

Loss rate: 0.12%

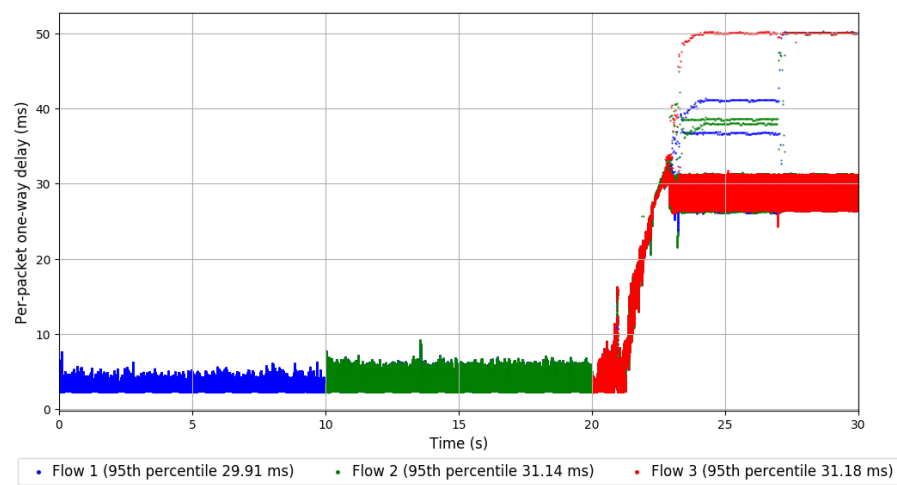
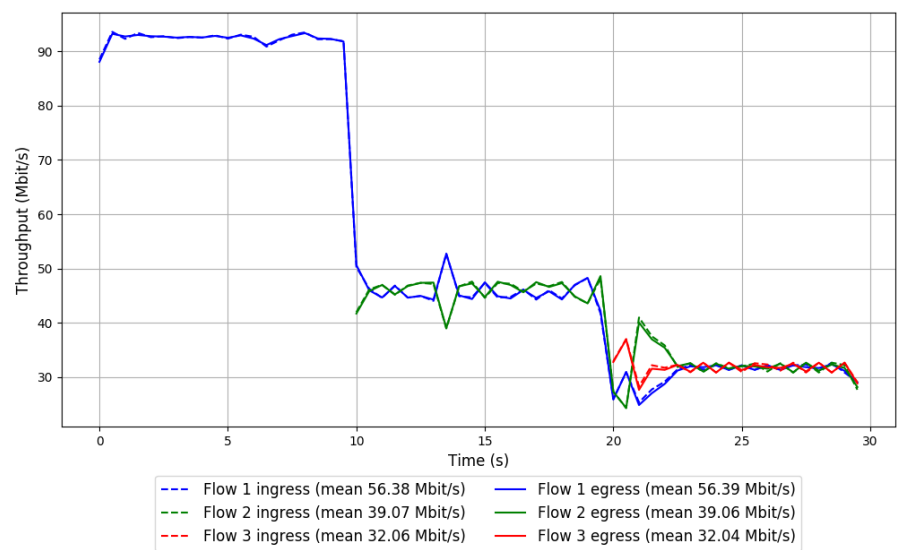
-- Flow 3:

Average throughput: 32.04 Mbit/s

95th percentile per-packet one-way delay: 31.184 ms

Loss rate: 0.32%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-03-13 15:28:14

End at: 2018-03-13 15:28:44

Local clock offset: -2.022 ms

Remote clock offset: -6.77 ms

Below is generated by plot.py at 2018-03-13 21:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 30.999 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 56.93 Mbit/s

95th percentile per-packet one-way delay: 30.526 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 38.88 Mbit/s

95th percentile per-packet one-way delay: 31.006 ms

Loss rate: 0.12%

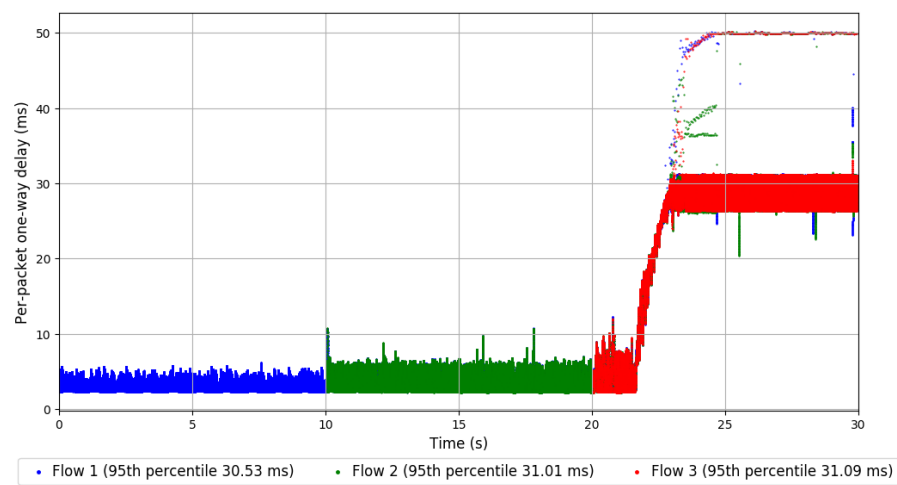
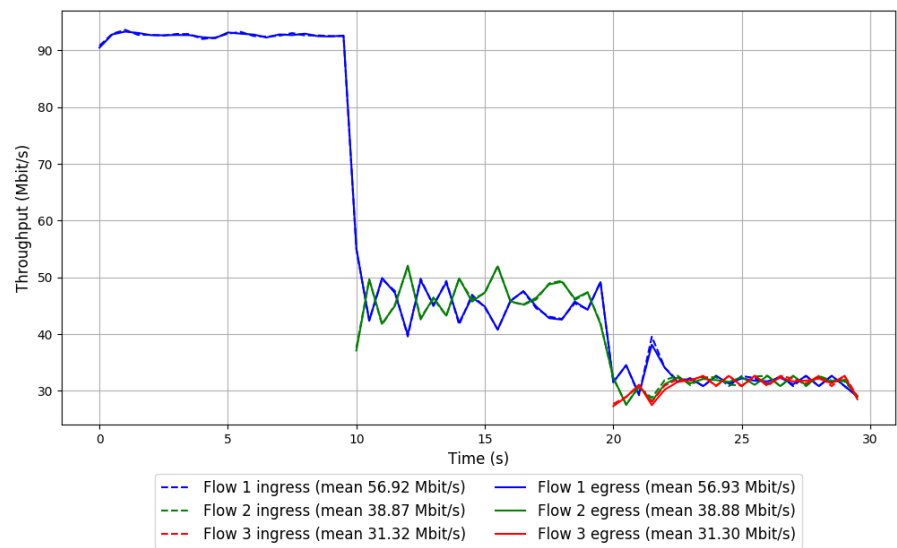
-- Flow 3:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 31.092 ms

Loss rate: 0.37%

Run 5: Report of Copa — Data Link

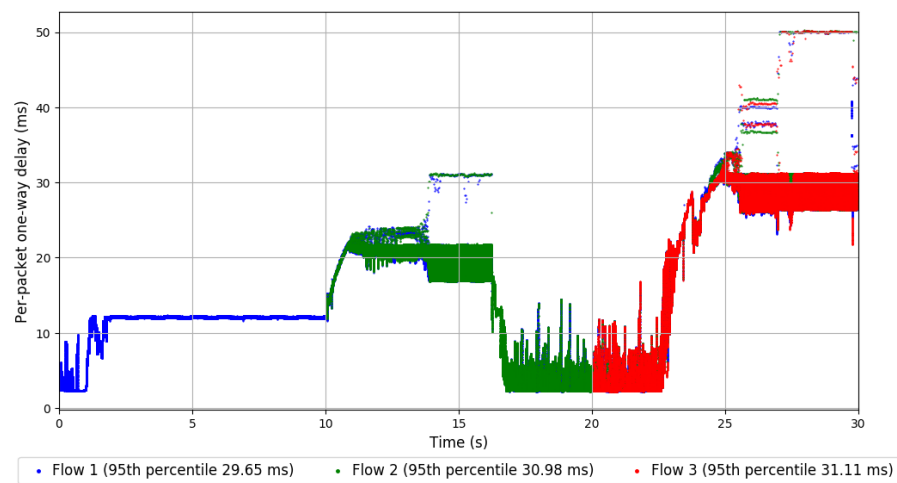
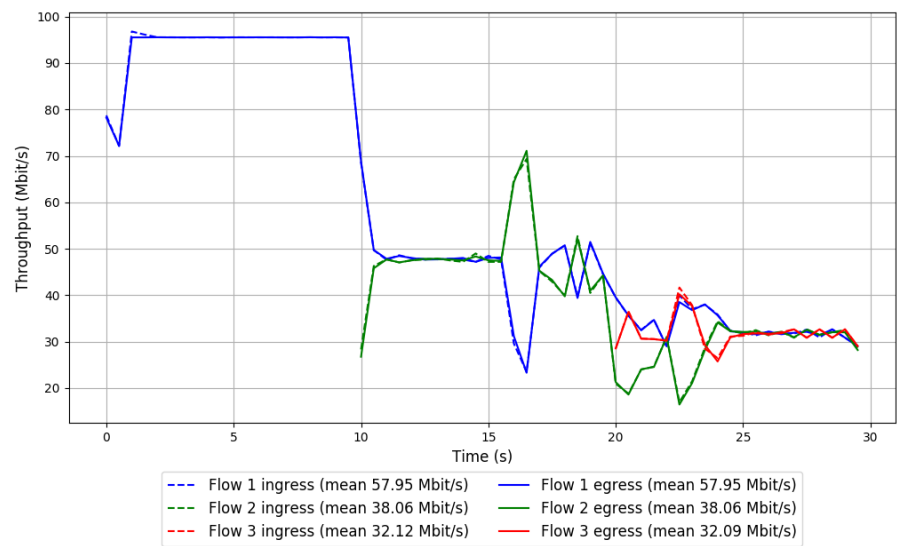


Run 6: Statistics of Copa

Start at: 2018-03-13 15:48:39
End at: 2018-03-13 15:49:09
Local clock offset: 0.712 ms
Remote clock offset: -6.794 ms

```
# Below is generated by plot.py at 2018-03-13 21:10:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 30.771 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 57.95 Mbit/s
95th percentile per-packet one-way delay: 29.650 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.29%
```

Run 6: Report of Copa — Data Link

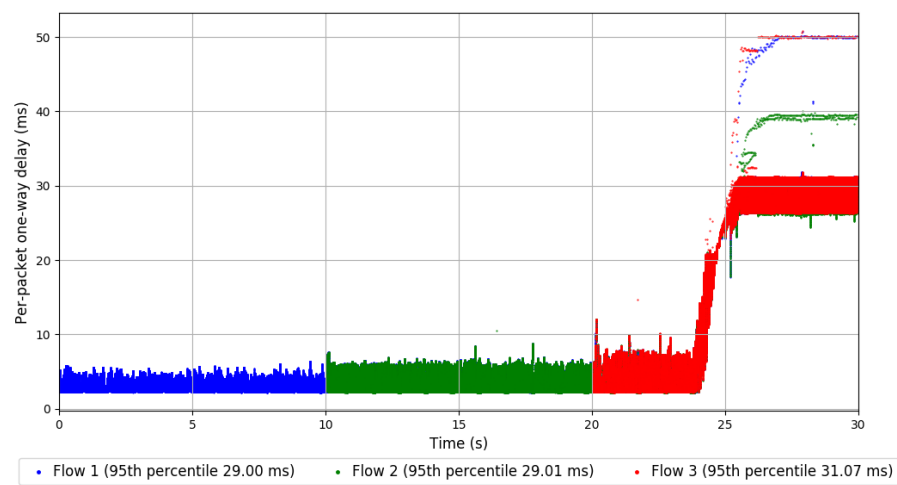
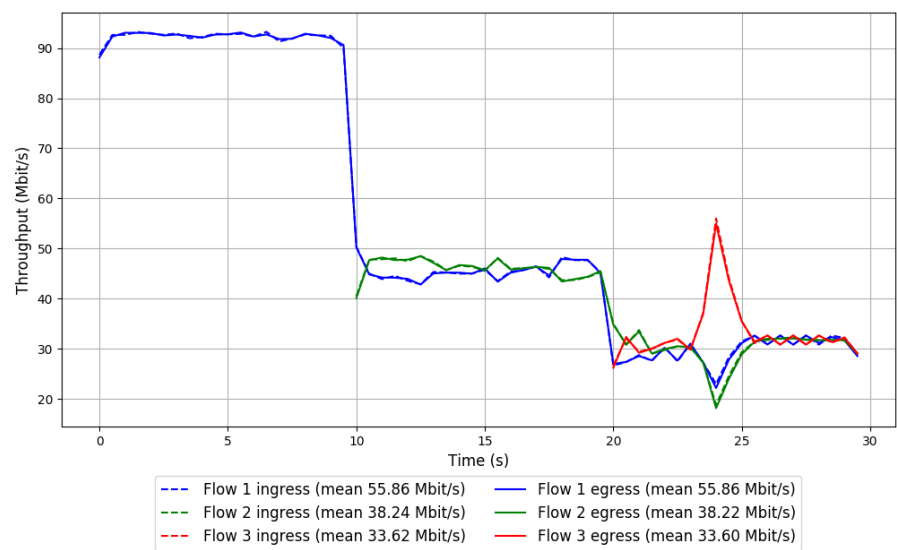


Run 7: Statistics of Copa

Start at: 2018-03-13 16:09:04
End at: 2018-03-13 16:09:34
Local clock offset: 2.61 ms
Remote clock offset: -6.605 ms

```
# Below is generated by plot.py at 2018-03-13 21:10:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.39 Mbit/s
95th percentile per-packet one-way delay: 29.950 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 29.001 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 29.011 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 33.60 Mbit/s
95th percentile per-packet one-way delay: 31.070 ms
Loss rate: 0.28%
```


Run 7: Report of Copa — Data Link

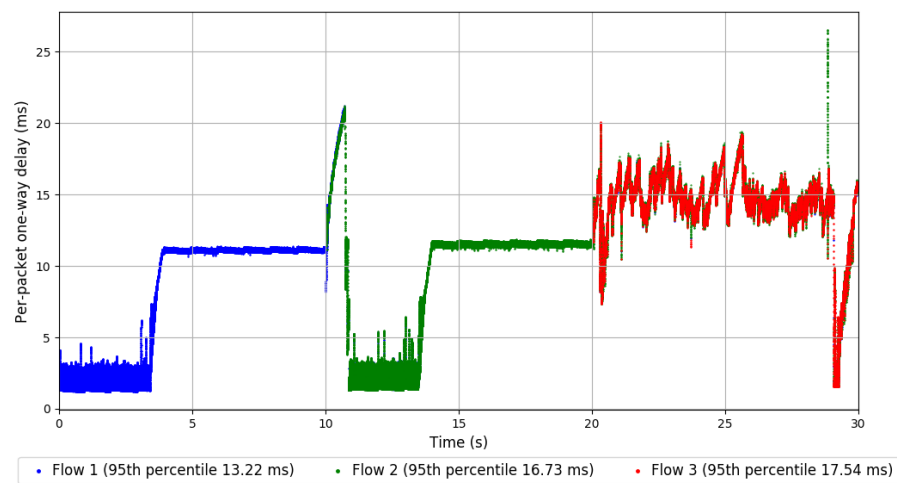
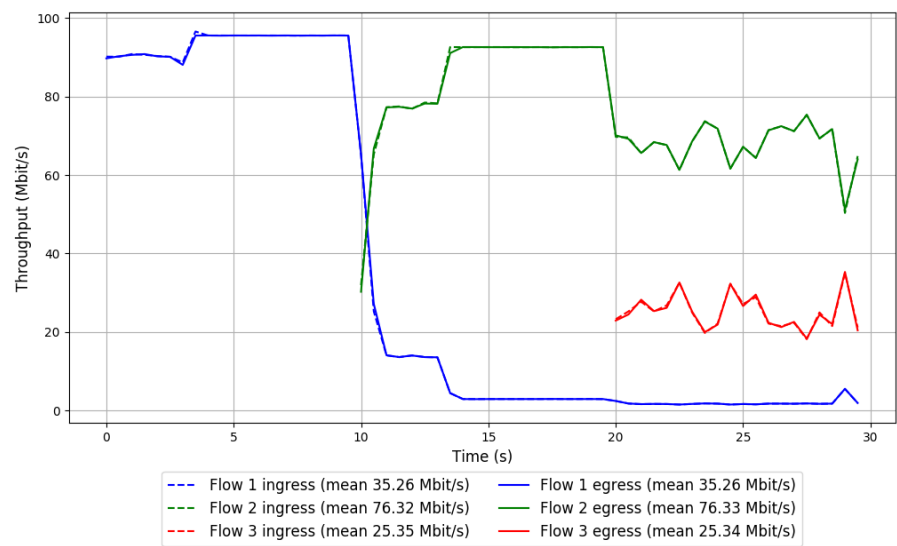


Run 8: Statistics of Copa

Start at: 2018-03-13 16:29:28
End at: 2018-03-13 16:29:58
Local clock offset: -1.744 ms
Remote clock offset: -6.448 ms

```
# Below is generated by plot.py at 2018-03-13 21:11:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 16.663 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.26 Mbit/s
95th percentile per-packet one-way delay: 13.221 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 16.725 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 25.34 Mbit/s
95th percentile per-packet one-way delay: 17.543 ms
Loss rate: 0.19%
```

Run 8: Report of Copa — Data Link

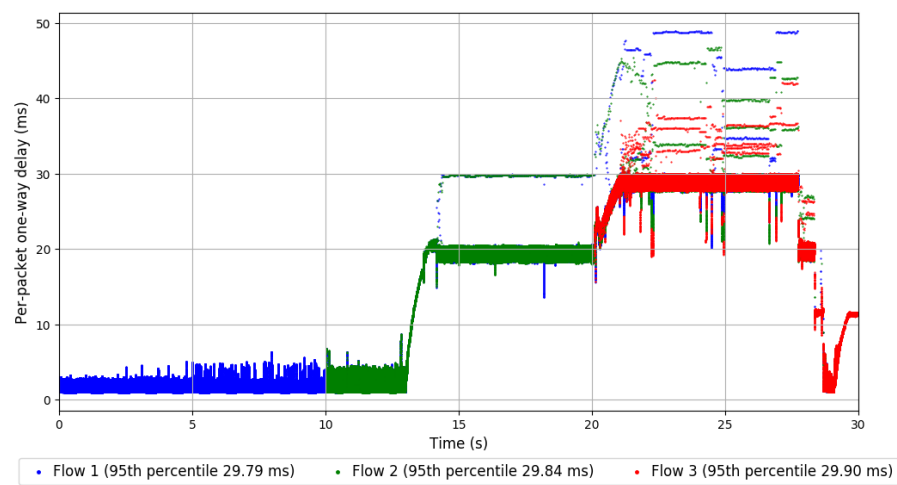
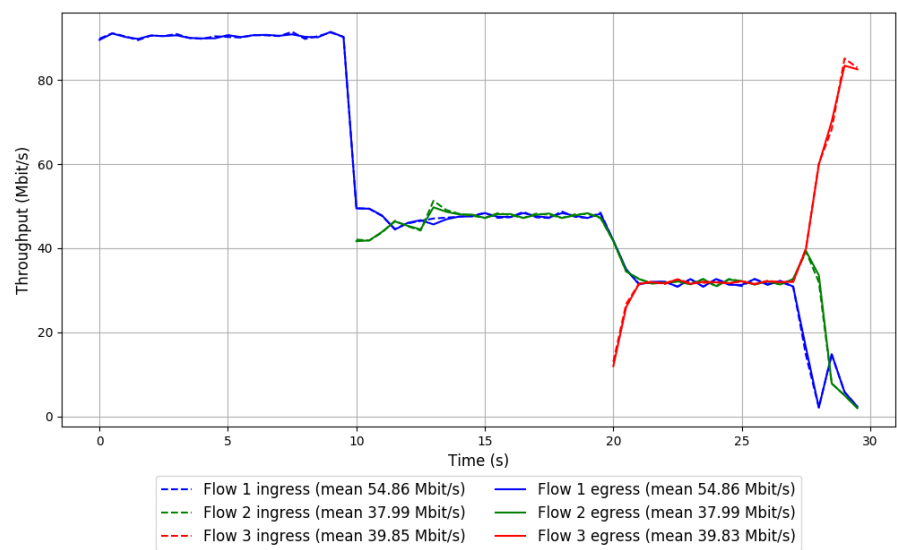


Run 9: Statistics of Copa

Start at: 2018-03-13 16:49:48
End at: 2018-03-13 16:50:18
Local clock offset: -7.518 ms
Remote clock offset: -6.453 ms

```
# Below is generated by plot.py at 2018-03-13 21:12:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 29.829 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.86 Mbit/s
95th percentile per-packet one-way delay: 29.789 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 29.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 29.902 ms
Loss rate: 0.29%
```

Run 9: Report of Copa — Data Link

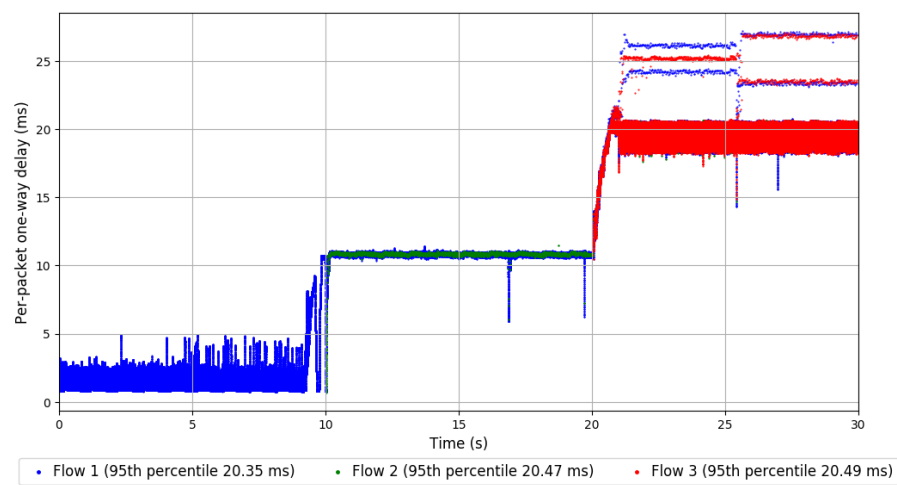
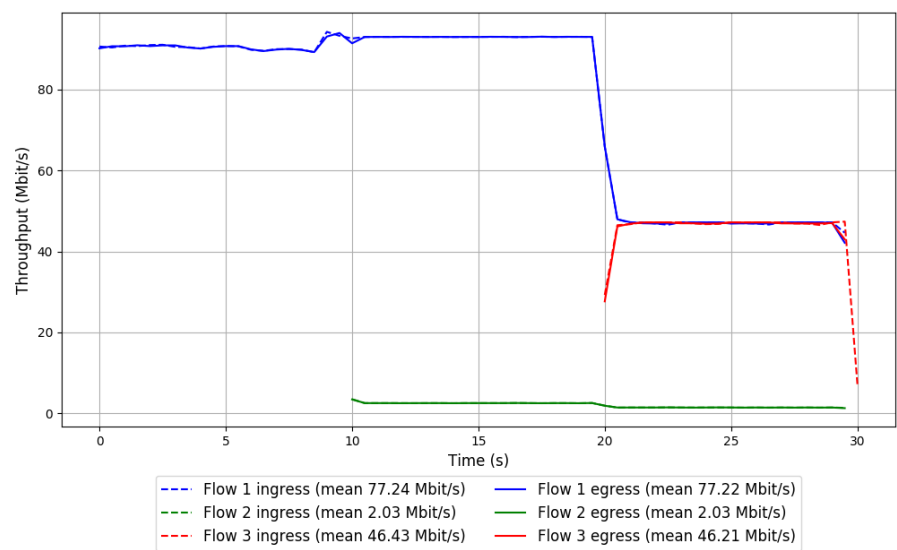


Run 10: Statistics of Copa

Start at: 2018-03-13 17:10:08
End at: 2018-03-13 17:10:38
Local clock offset: -4.471 ms
Remote clock offset: -6.448 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 20.402 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 77.22 Mbit/s
95th percentile per-packet one-way delay: 20.348 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 20.466 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.21 Mbit/s
95th percentile per-packet one-way delay: 20.489 ms
Loss rate: 1.44%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-03-13 14:16:43

End at: 2018-03-13 14:17:13

Local clock offset: -5.862 ms

Remote clock offset: -6.872 ms

Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-03-13 14:37:09

End at: 2018-03-13 14:37:39

Local clock offset: -5.616 ms

Remote clock offset: -6.634 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-03-13 14:57:34

End at: 2018-03-13 14:58:04

Local clock offset: -6.762 ms

Remote clock offset: -6.665 ms

Run 3: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-03-13 15:17:59

End at: 2018-03-13 15:18:29

Local clock offset: -5.155 ms

Remote clock offset: -6.69 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-03-13 15:38:24

End at: 2018-03-13 15:38:54

Local clock offset: -0.415 ms

Remote clock offset: -6.835 ms

Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-03-13 15:58:49

End at: 2018-03-13 15:59:19

Local clock offset: 1.605 ms

Remote clock offset: -6.9 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-03-13 16:19:15

End at: 2018-03-13 16:19:45

Local clock offset: 3.616 ms

Remote clock offset: -6.492 ms

Run 7: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of FillP

Start at: 2018-03-13 16:39:36

End at: 2018-03-13 16:40:06

Local clock offset: -5.724 ms

Remote clock offset: -6.423 ms

Run 8: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of FillP

Start at: 2018-03-13 16:59:56

End at: 2018-03-13 17:00:26

Local clock offset: -6.909 ms

Remote clock offset: -6.38 ms

Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-03-13 17:20:15

End at: 2018-03-13 17:20:45

Local clock offset: -3.725 ms

Remote clock offset: -6.905 ms

Run 10: Report of FillP — Data Link

Figure is missing

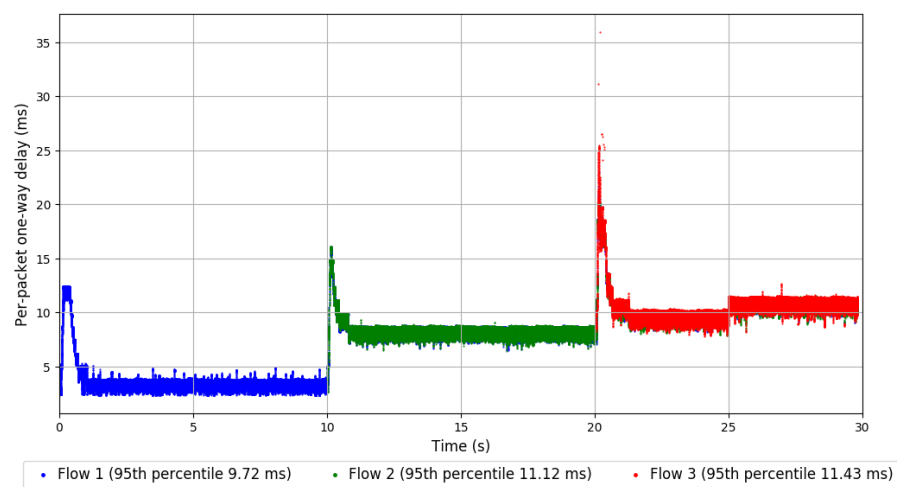
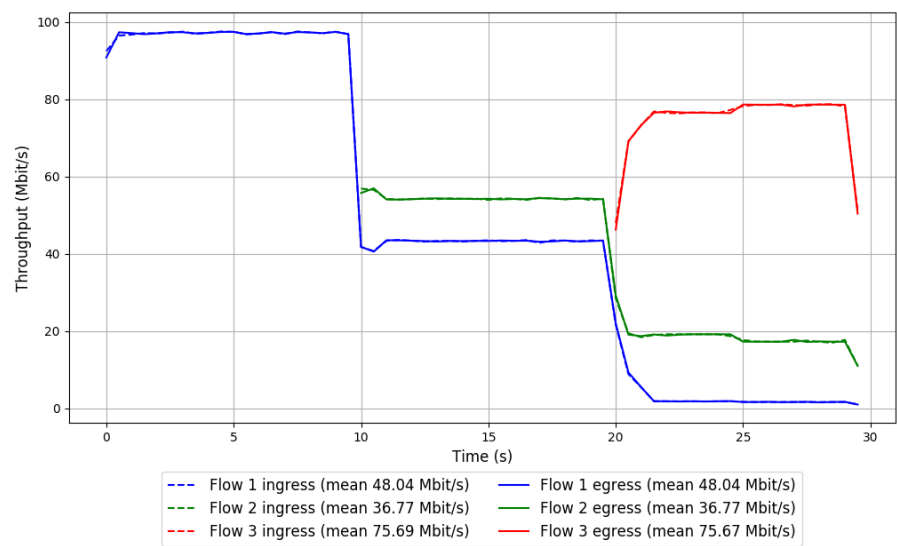
Figure is missing

Run 1: Statistics of Indigo-1-32

Start at: 2018-03-13 14:04:12
End at: 2018-03-13 14:04:42
Local clock offset: -6.365 ms
Remote clock offset: -6.775 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 11.339 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 11.119 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 11.429 ms
Loss rate: 0.14%

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

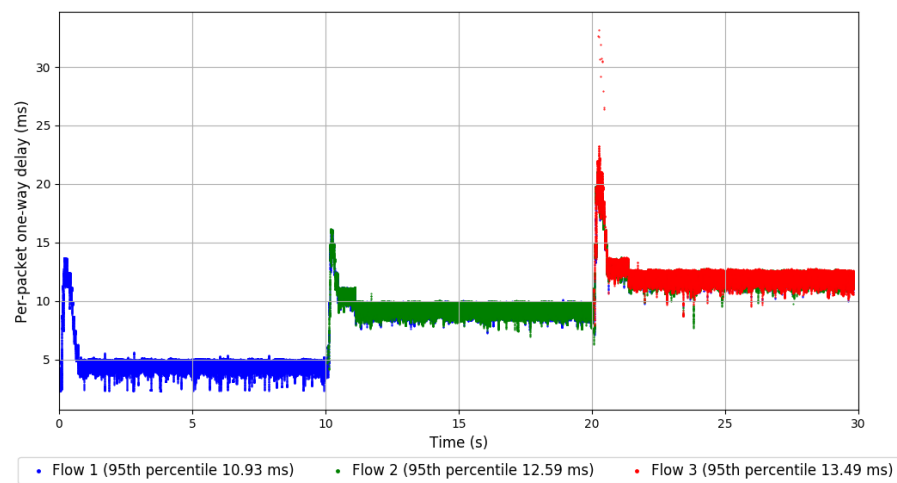
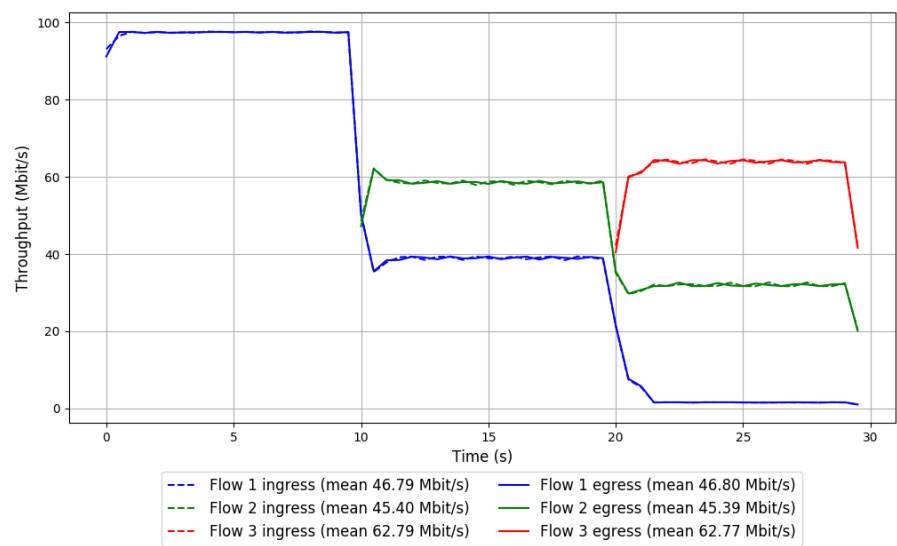


Run 2: Statistics of Indigo-1-32

Start at: 2018-03-13 14:24:41
End at: 2018-03-13 14:25:11
Local clock offset: -5.754 ms
Remote clock offset: -6.745 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 12.600 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.39 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 62.77 Mbit/s
95th percentile per-packet one-way delay: 13.494 ms
Loss rate: 0.15%

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

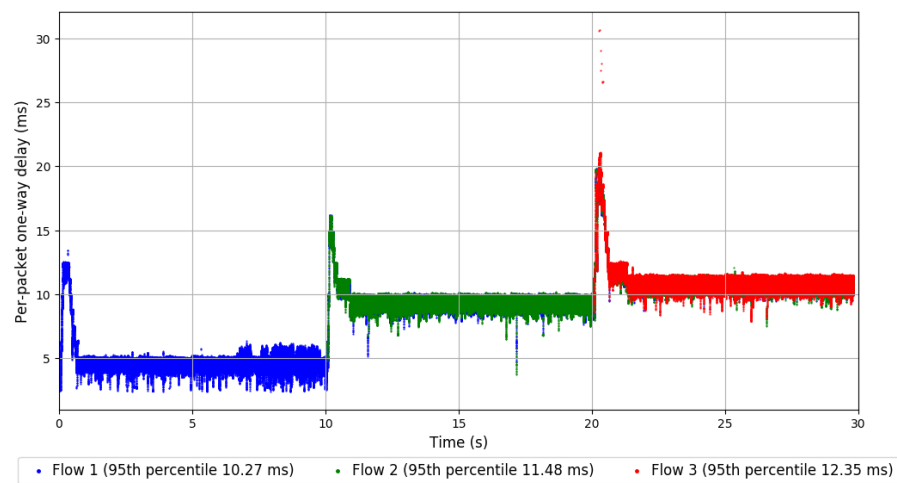
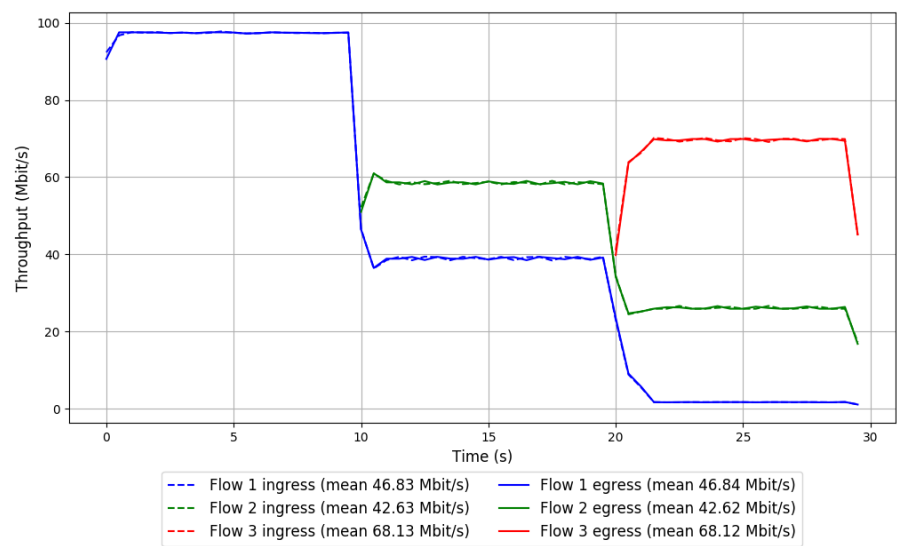


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-13 14:45:07
End at: 2018-03-13 14:45:37
Local clock offset: -6.059 ms
Remote clock offset: -6.595 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 11.535 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.84 Mbit/s
95th percentile per-packet one-way delay: 10.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 11.477 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.12 Mbit/s
95th percentile per-packet one-way delay: 12.353 ms
Loss rate: 0.13%

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



Run 4: Statistics of Indigo-1-32

Start at: 2018-03-13 15:05:31

End at: 2018-03-13 15:06:01

Local clock offset: -6.843 ms

Remote clock offset: -6.63 ms

Below is generated by plot.py at 2018-03-13 21:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 12.580 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 46.77 Mbit/s

95th percentile per-packet one-way delay: 10.894 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.39 Mbit/s

95th percentile per-packet one-way delay: 12.611 ms

Loss rate: 0.05%

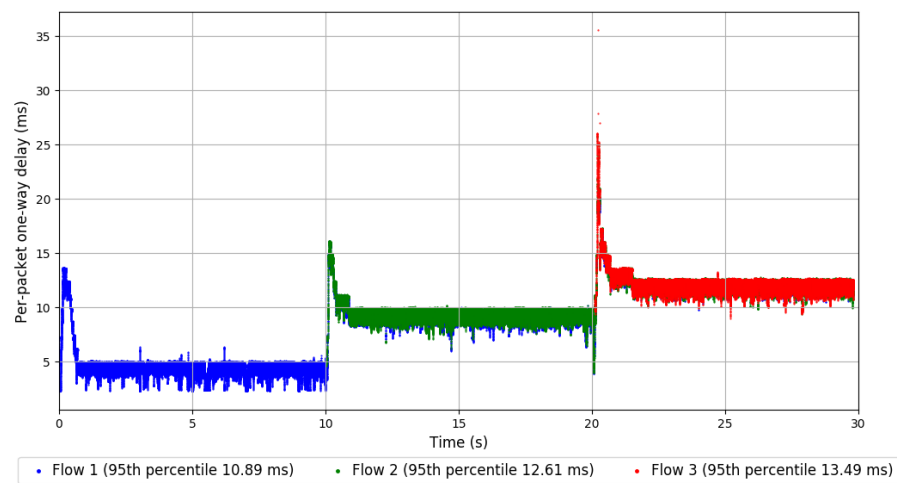
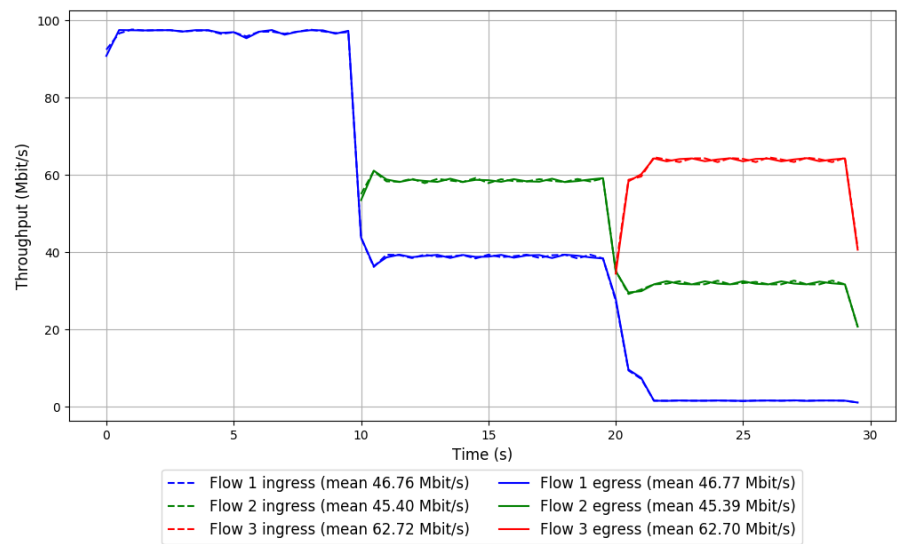
-- Flow 3:

Average throughput: 62.70 Mbit/s

95th percentile per-packet one-way delay: 13.487 ms

Loss rate: 0.16%

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

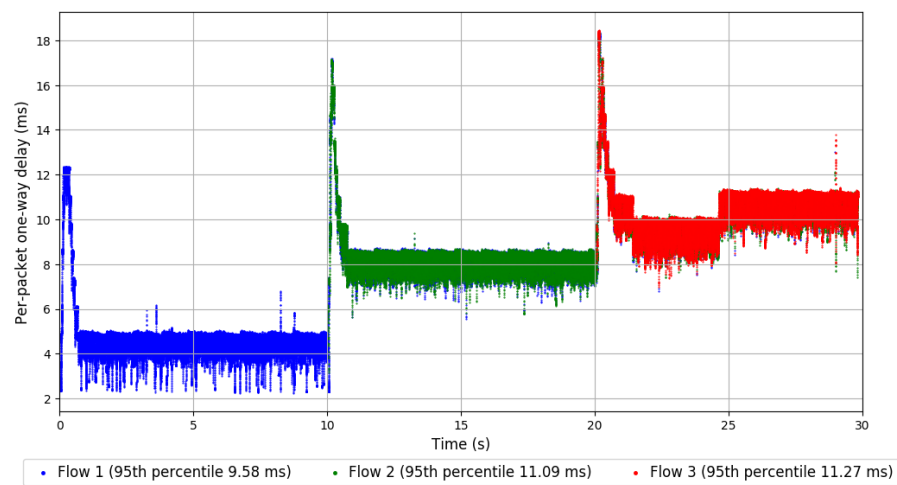
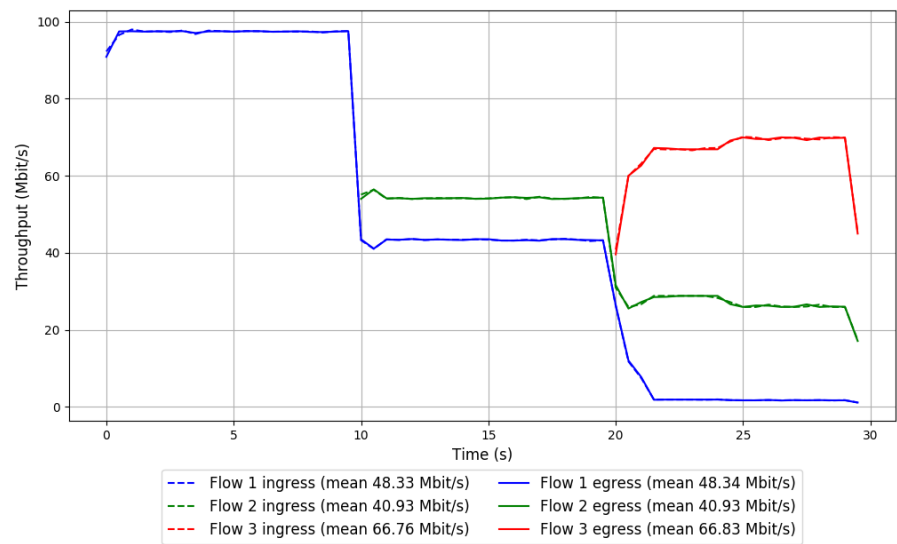


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-13 15:25:57
End at: 2018-03-13 15:26:27
Local clock offset: -2.482 ms
Remote clock offset: -6.715 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 11.165 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 9.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.93 Mbit/s
95th percentile per-packet one-way delay: 11.093 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.83 Mbit/s
95th percentile per-packet one-way delay: 11.266 ms
Loss rate: 0.14%

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

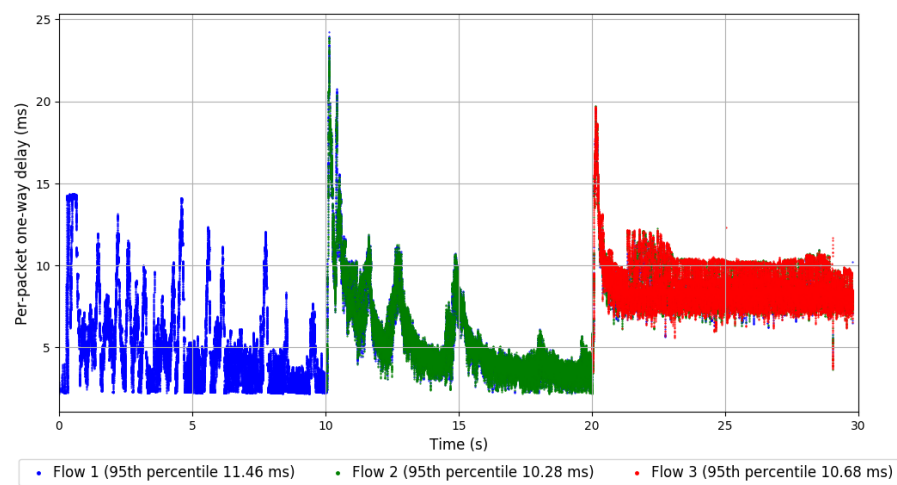
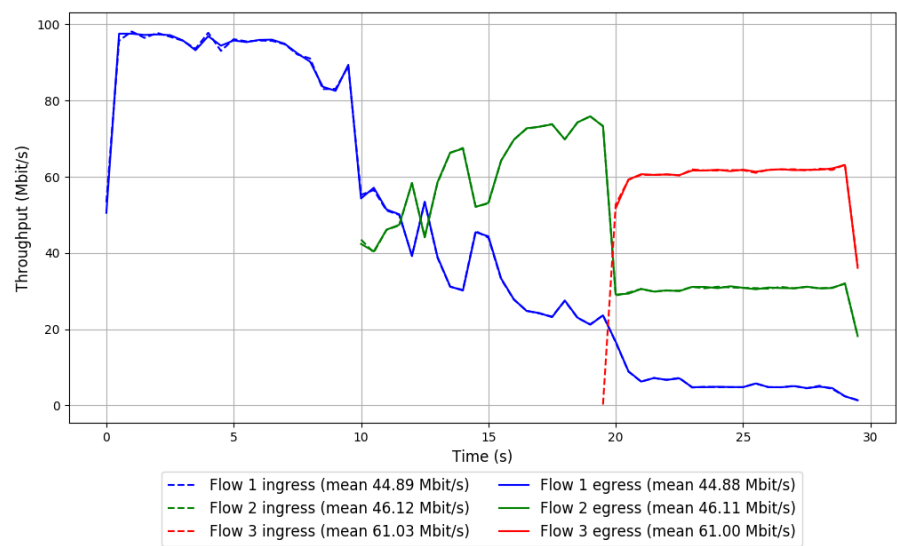


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-13 15:46:21
End at: 2018-03-13 15:46:51
Local clock offset: 0.327 ms
Remote clock offset: -6.857 ms

Below is generated by plot.py at 2018-03-13 21:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 10.844 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 11.465 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 10.276 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 61.00 Mbit/s
95th percentile per-packet one-way delay: 10.679 ms
Loss rate: 0.12%

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

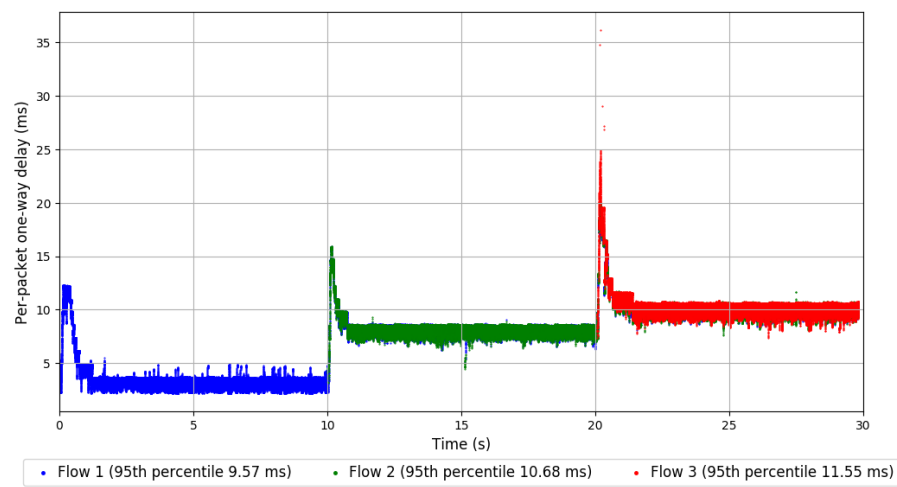
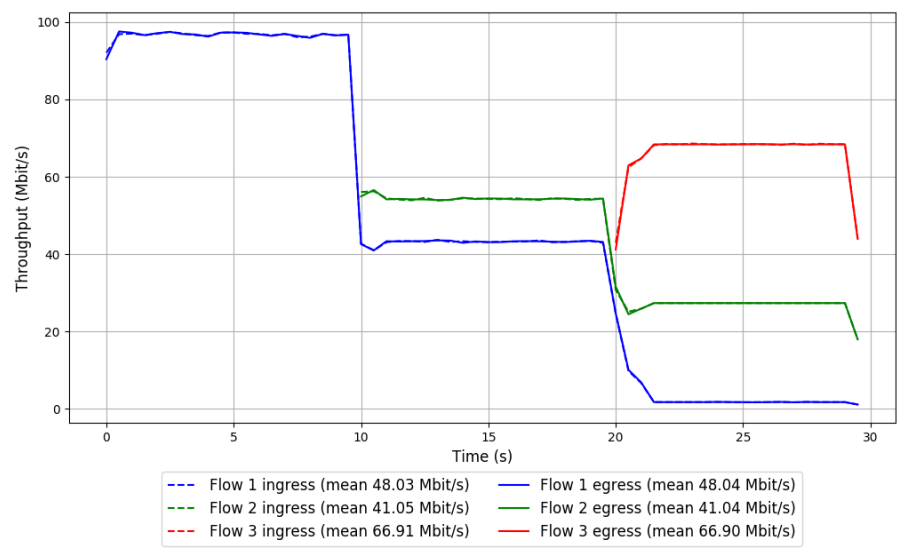


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-13 16:06:46
End at: 2018-03-13 16:07:16
Local clock offset: 2.37 ms
Remote clock offset: -6.642 ms

Below is generated by plot.py at 2018-03-13 21:12:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 10.785 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 9.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.04 Mbit/s
95th percentile per-packet one-way delay: 10.682 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 66.90 Mbit/s
95th percentile per-packet one-way delay: 11.547 ms
Loss rate: 0.11%

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

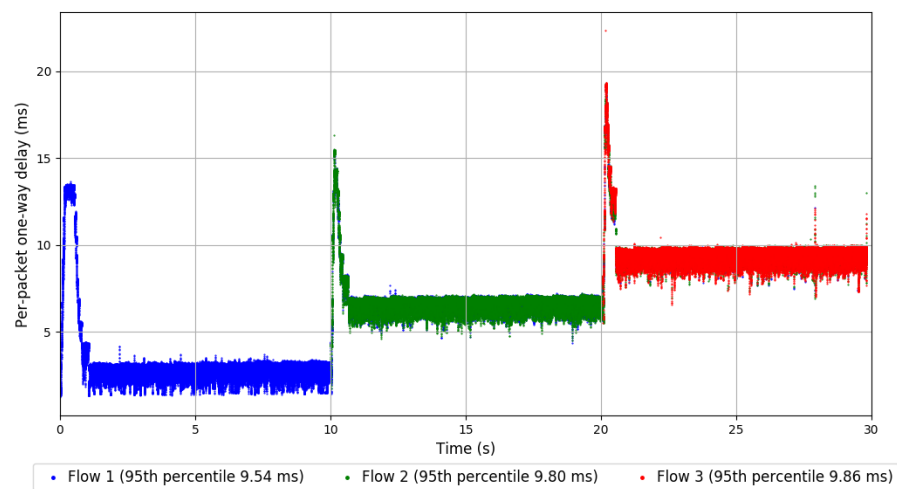
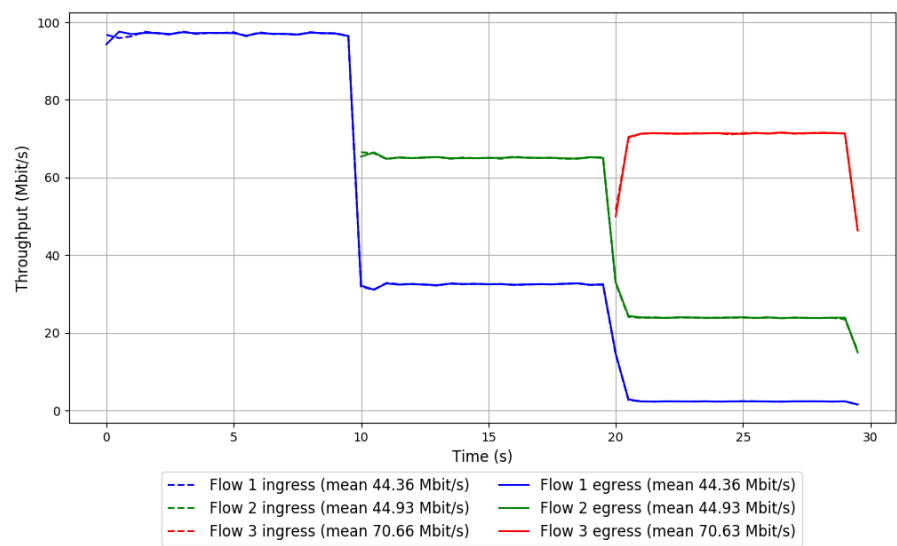


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-13 16:27:11
End at: 2018-03-13 16:27:41
Local clock offset: -0.234 ms
Remote clock offset: -6.539 ms

Below is generated by plot.py at 2018-03-13 21:13:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 9.824 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 44.36 Mbit/s
95th percentile per-packet one-way delay: 9.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 9.799 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 70.63 Mbit/s
95th percentile per-packet one-way delay: 9.864 ms
Loss rate: 0.10%

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

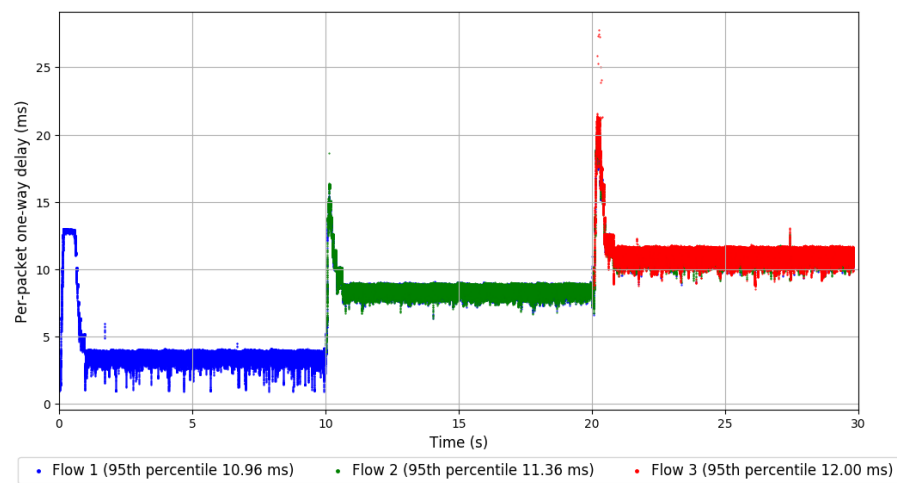
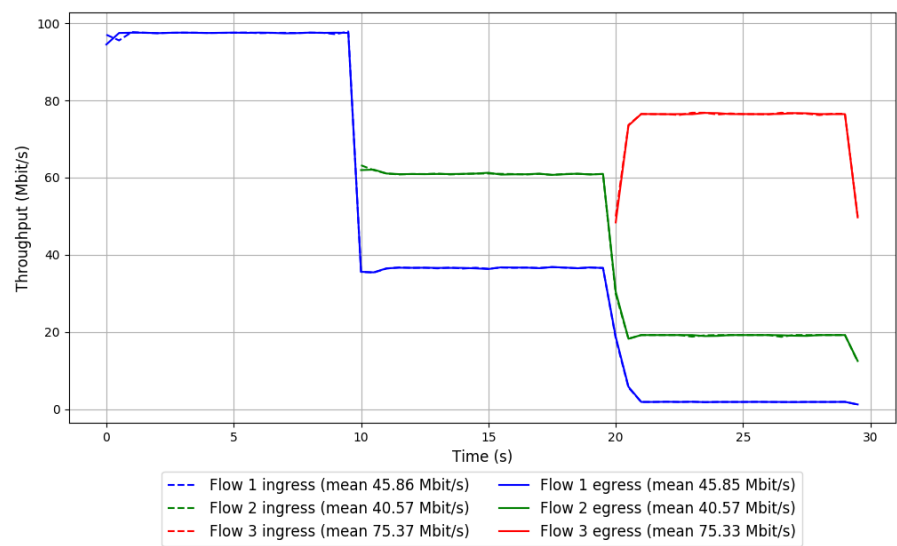


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-13 16:47:30
End at: 2018-03-13 16:48:00
Local clock offset: -7.204 ms
Remote clock offset: -6.391 ms

```
# Below is generated by plot.py at 2018-03-13 21:13:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 11.656 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 45.85 Mbit/s
95th percentile per-packet one-way delay: 10.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.57 Mbit/s
95th percentile per-packet one-way delay: 11.362 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 75.33 Mbit/s
95th percentile per-packet one-way delay: 12.001 ms
Loss rate: 0.13%
```

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

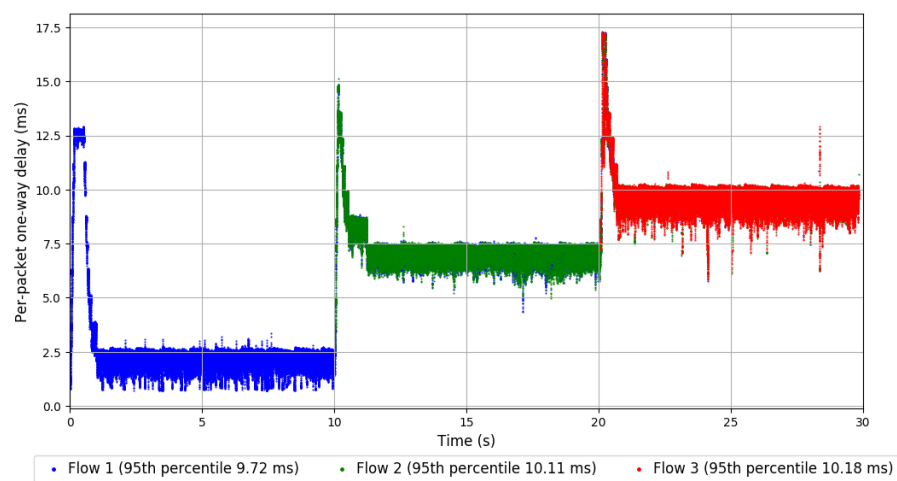
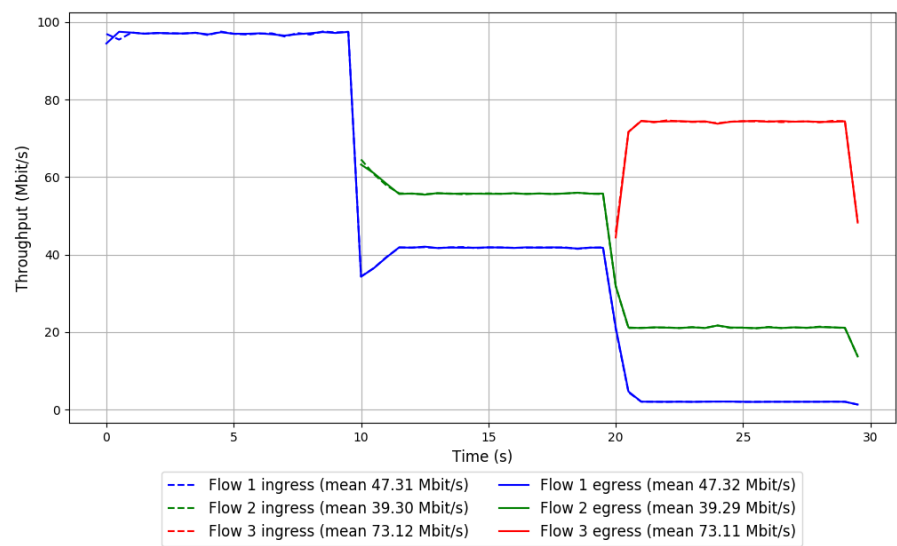


Run 10: Statistics of Indigo-1-32

Start at: 2018-03-13 17:07:50
End at: 2018-03-13 17:08:20
Local clock offset: -4.831 ms
Remote clock offset: -6.359 ms

Below is generated by plot.py at 2018-03-13 21:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 10.126 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.32 Mbit/s
95th percentile per-packet one-way delay: 9.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.29 Mbit/s
95th percentile per-packet one-way delay: 10.114 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 10.177 ms
Loss rate: 0.11%

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

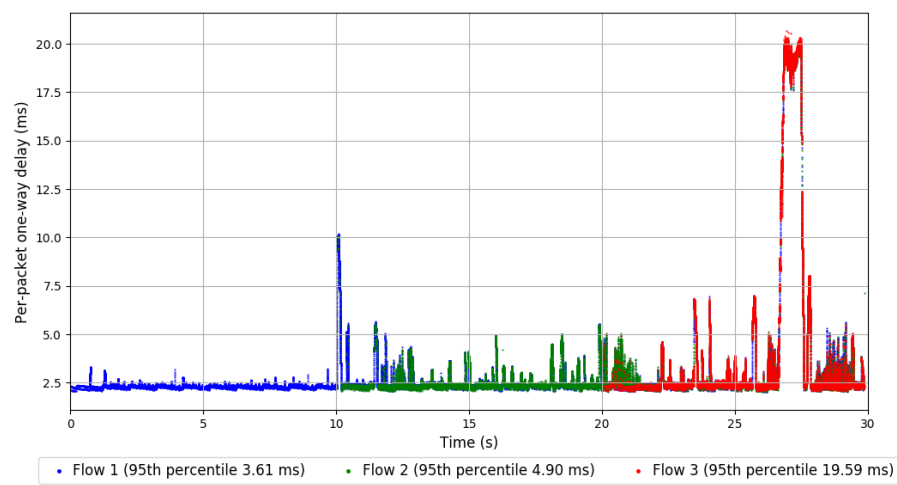
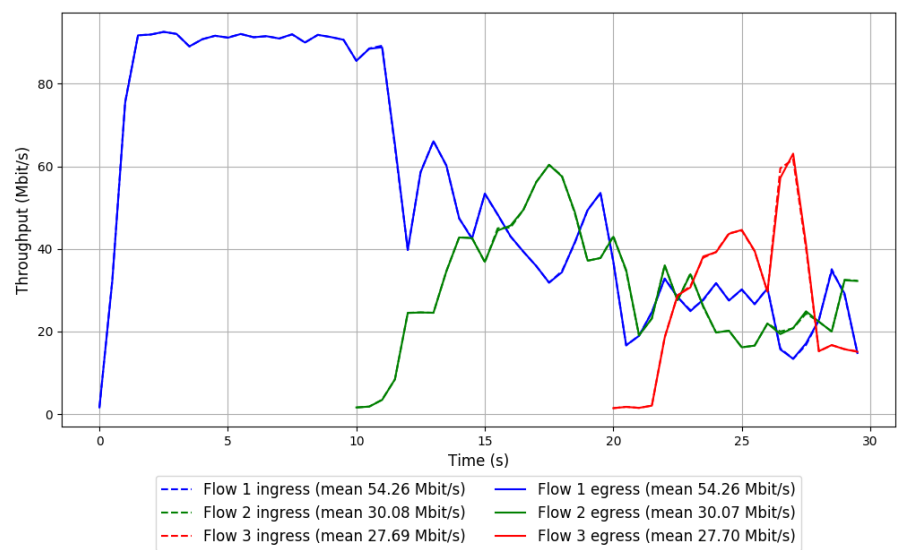


Run 1: Statistics of Vivace-latency

Start at: 2018-03-13 14:17:49
End at: 2018-03-13 14:18:19
Local clock offset: -5.925 ms
Remote clock offset: -6.858 ms

Below is generated by plot.py at 2018-03-13 21:13:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.35 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 3.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 4.904 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 19.588 ms
Loss rate: 0.04%

Run 1: Report of Vivace-latency — Data Link

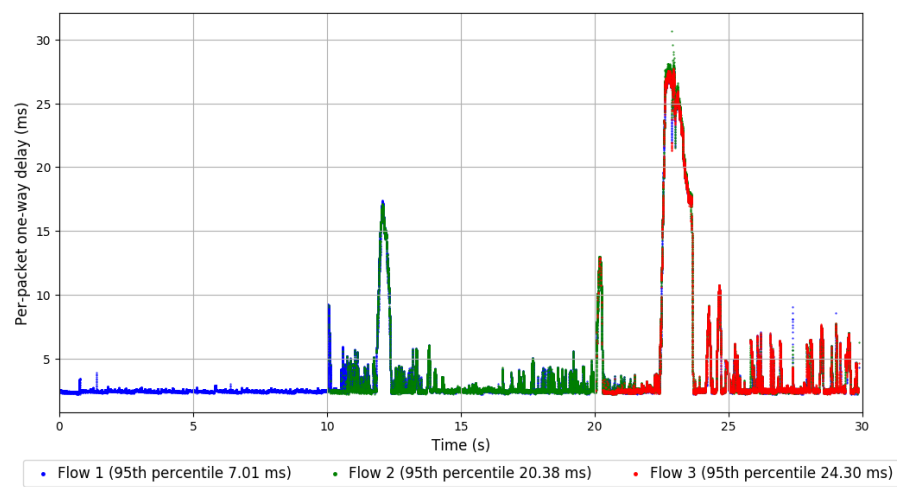
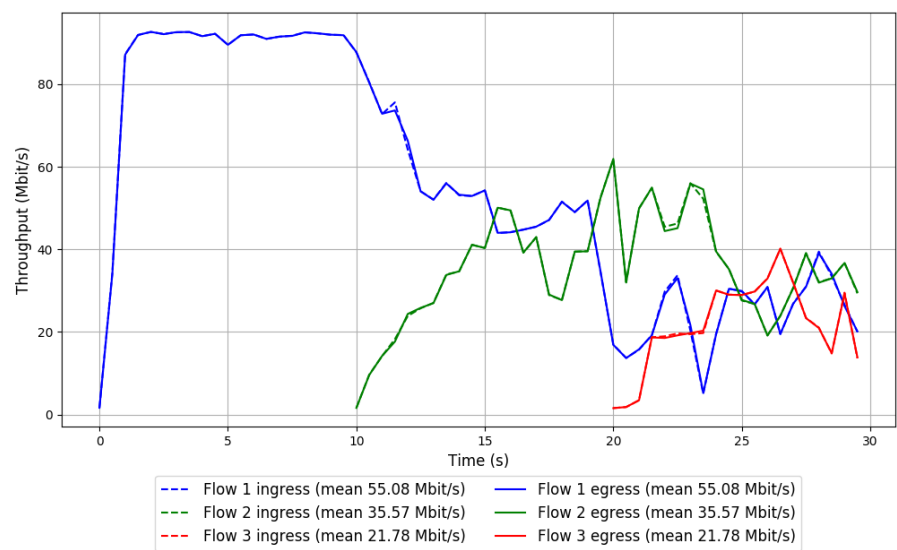


Run 2: Statistics of Vivace-latency

Start at: 2018-03-13 14:38:16
End at: 2018-03-13 14:38:46
Local clock offset: -5.543 ms
Remote clock offset: -6.694 ms

Below is generated by plot.py at 2018-03-13 21:13:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.88 Mbit/s
95th percentile per-packet one-way delay: 14.684 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 55.08 Mbit/s
95th percentile per-packet one-way delay: 7.009 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.57 Mbit/s
95th percentile per-packet one-way delay: 20.384 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 24.304 ms
Loss rate: 0.04%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-13 14:58:40

End at: 2018-03-13 14:59:10

Local clock offset: -6.643 ms

Remote clock offset: -6.62 ms

Below is generated by plot.py at 2018-03-13 21:13:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 4.006 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 59.17 Mbit/s

95th percentile per-packet one-way delay: 3.405 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 5.131 ms

Loss rate: 0.03%

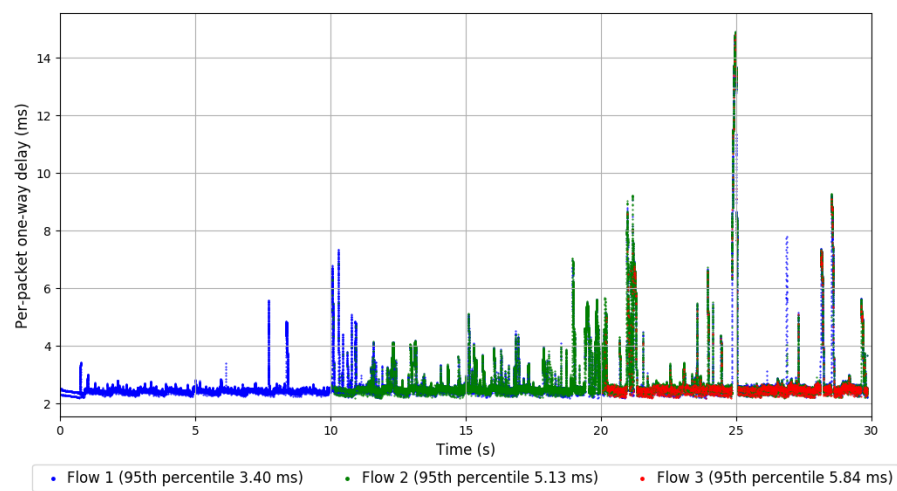
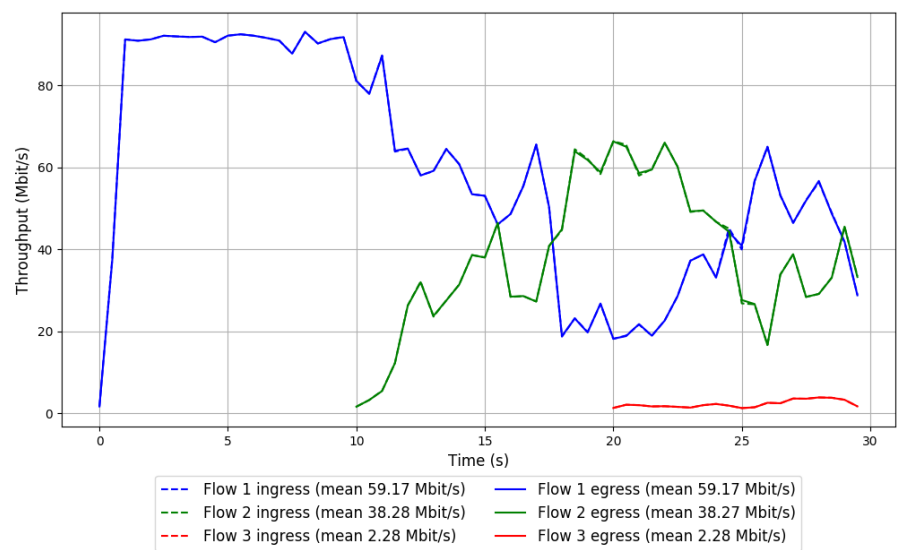
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 5.836 ms

Loss rate: 0.00%

Run 3: Report of Vivace-latency — Data Link

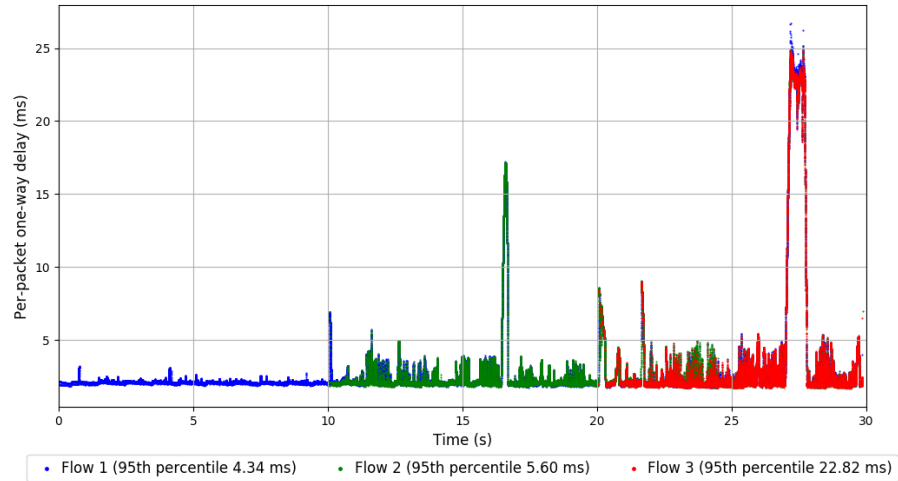
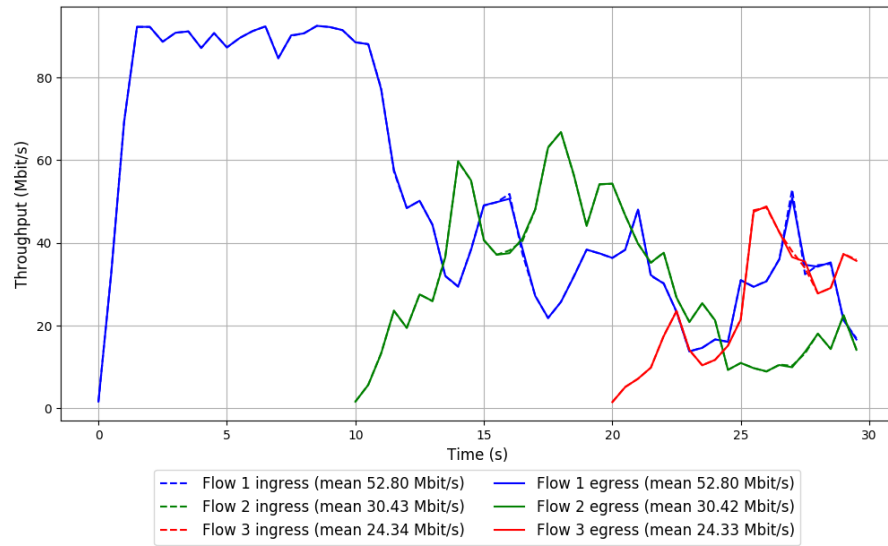


Run 4: Statistics of Vivace-latency

Start at: 2018-03-13 15:19:06
End at: 2018-03-13 15:19:36
Local clock offset: -4.737 ms
Remote clock offset: -6.693 ms

Below is generated by plot.py at 2018-03-13 21:14:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.02 Mbit/s
95th percentile per-packet one-way delay: 5.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.80 Mbit/s
95th percentile per-packet one-way delay: 4.337 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 5.596 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.820 ms
Loss rate: 0.10%

Run 4: Report of Vivace-latency — Data Link

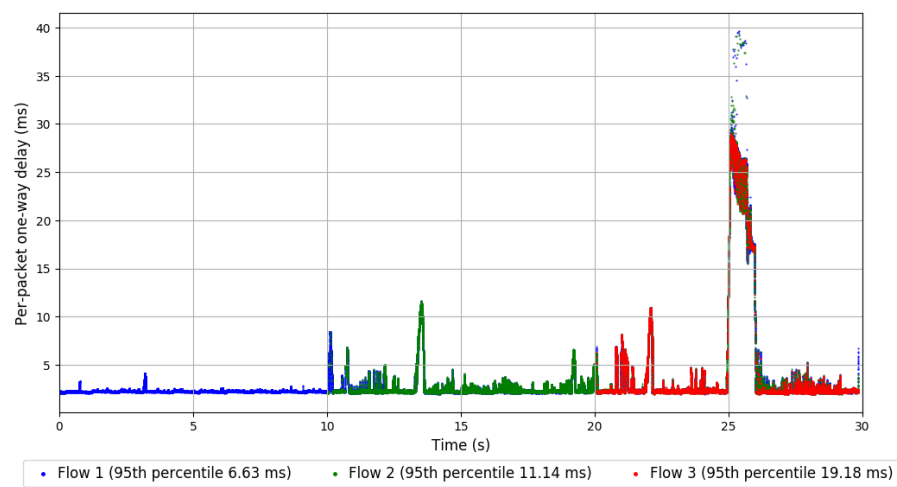
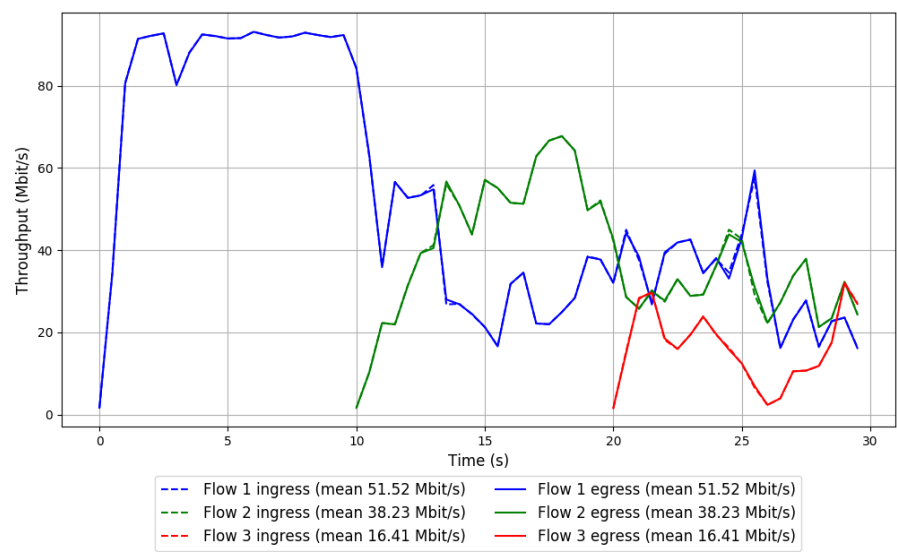


Run 5: Statistics of Vivace-latency

Start at: 2018-03-13 15:39:30
End at: 2018-03-13 15:40:00
Local clock offset: -0.421 ms
Remote clock offset: -6.821 ms

Below is generated by plot.py at 2018-03-13 21:14:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 8.717 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.52 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.23 Mbit/s
95th percentile per-packet one-way delay: 11.144 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.41 Mbit/s
95th percentile per-packet one-way delay: 19.177 ms
Loss rate: 0.11%

Run 5: Report of Vivace-latency — Data Link

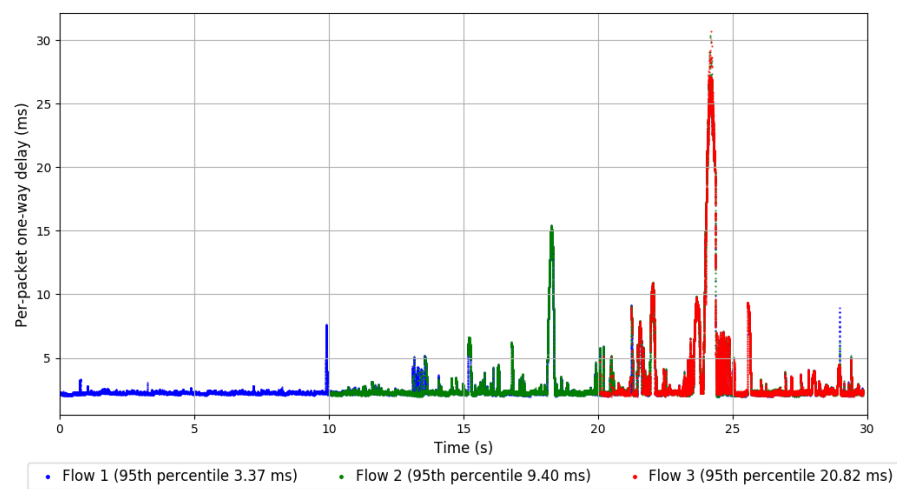
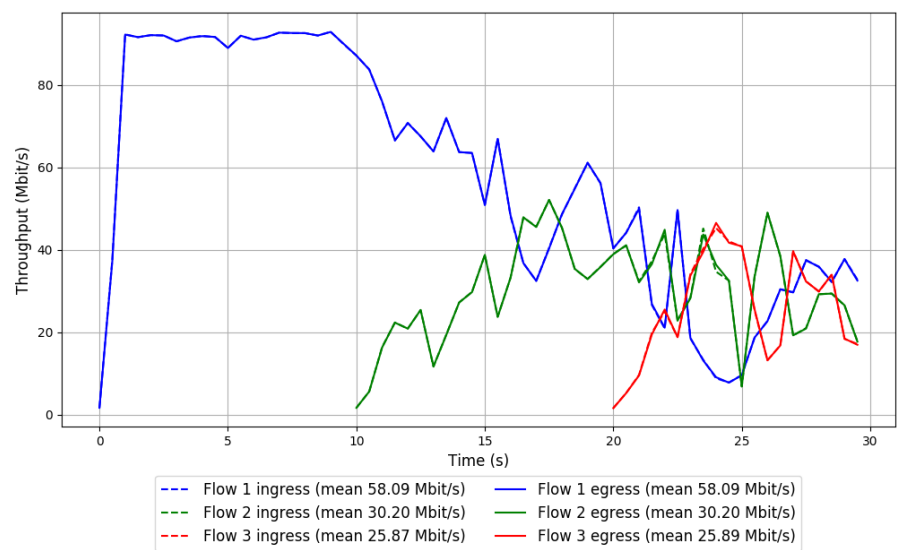


Run 6: Statistics of Vivace-latency

Start at: 2018-03-13 15:59:55
End at: 2018-03-13 16:00:25
Local clock offset: 1.723 ms
Remote clock offset: -6.835 ms

Below is generated by plot.py at 2018-03-13 21:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.69 Mbit/s
95th percentile per-packet one-way delay: 6.353 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 3.373 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.20 Mbit/s
95th percentile per-packet one-way delay: 9.405 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 20.818 ms
Loss rate: 0.05%

Run 6: Report of Vivace-latency — Data Link

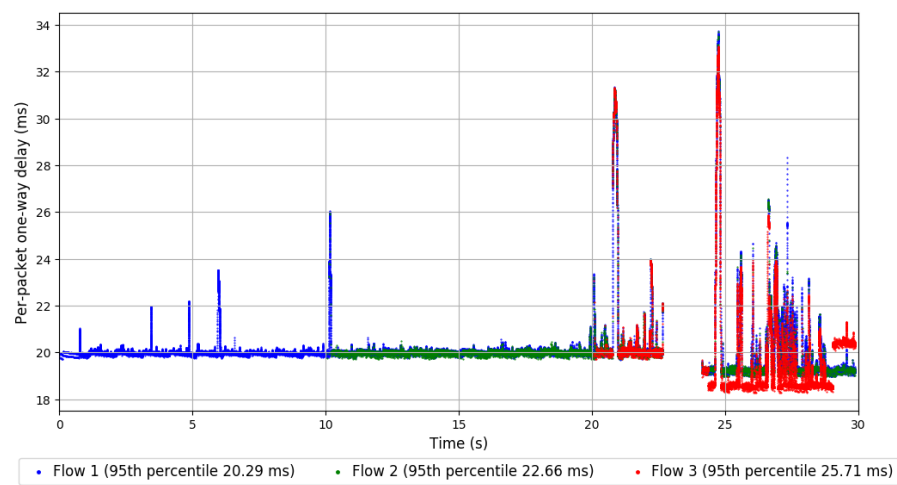
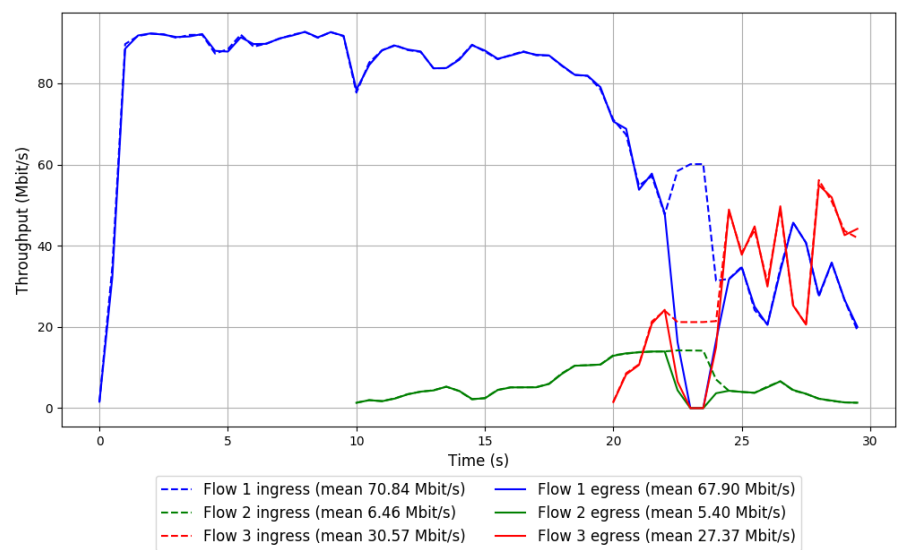


Run 7: Statistics of Vivace-latency

Start at: 2018-03-13 16:20:22
End at: 2018-03-13 16:20:52
Local clock offset: 3.599 ms
Remote clock offset: -24.216 ms

Below is generated by plot.py at 2018-03-13 21:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 20.901 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 67.90 Mbit/s
95th percentile per-packet one-way delay: 20.294 ms
Loss rate: 4.20%
-- Flow 2:
Average throughput: 5.40 Mbit/s
95th percentile per-packet one-way delay: 22.655 ms
Loss rate: 16.39%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 25.710 ms
Loss rate: 10.50%

Run 7: Report of Vivace-latency — Data Link

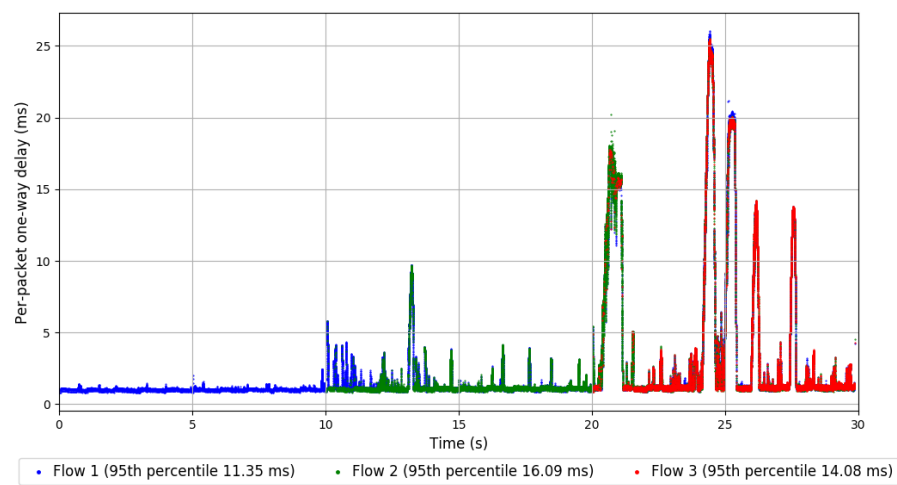
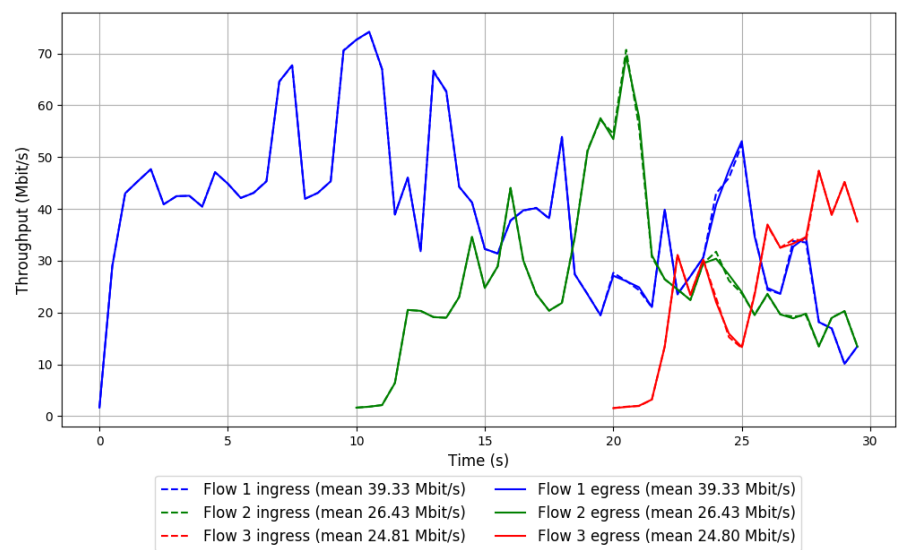


Run 8: Statistics of Vivace-latency

Start at: 2018-03-13 16:40:42
End at: 2018-03-13 16:41:12
Local clock offset: -5.961 ms
Remote clock offset: -6.401 ms

```
# Below is generated by plot.py at 2018-03-13 21:14:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 15.186 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 11.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 26.43 Mbit/s
95th percentile per-packet one-way delay: 16.095 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 14.080 ms
Loss rate: 0.03%
```

Run 8: Report of Vivace-latency — Data Link

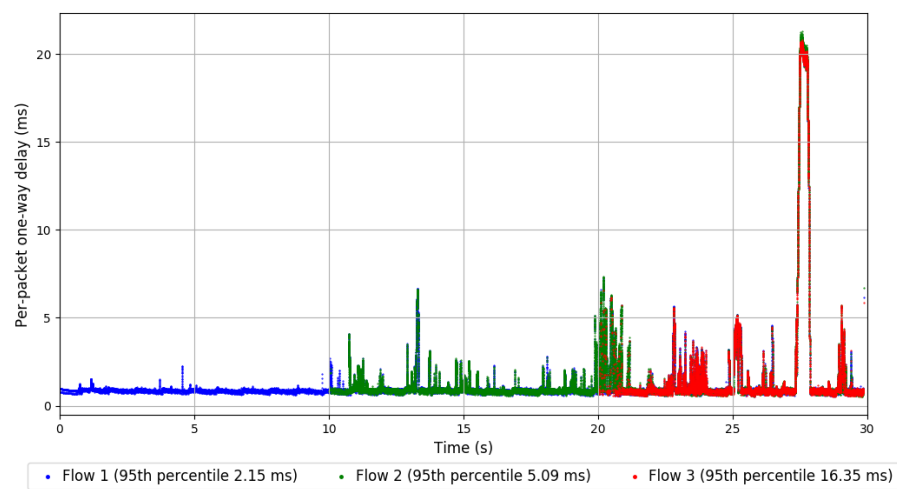
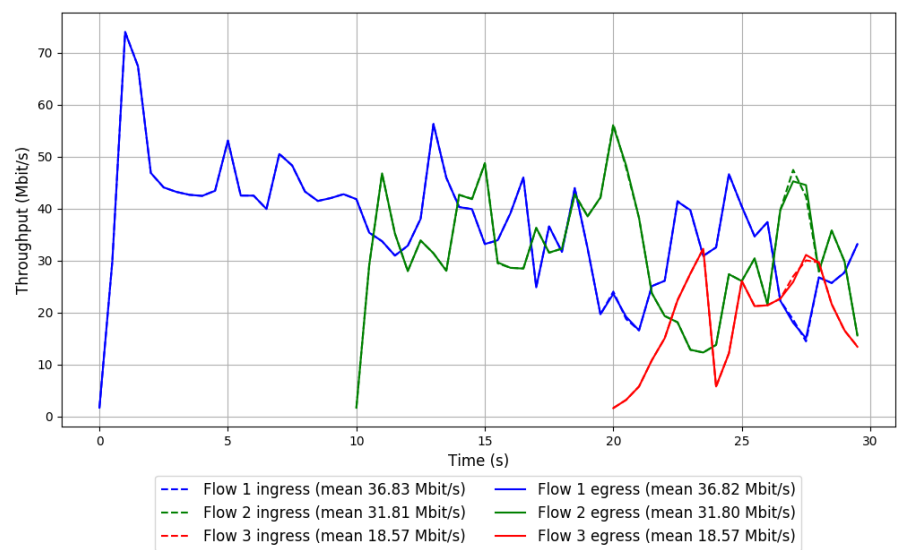


Run 9: Statistics of Vivace-latency

Start at: 2018-03-13 17:01:03
End at: 2018-03-13 17:01:33
Local clock offset: -6.349 ms
Remote clock offset: -6.435 ms

Below is generated by plot.py at 2018-03-13 21:14:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 3.867 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 2.147 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 5.086 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 18.57 Mbit/s
95th percentile per-packet one-way delay: 16.350 ms
Loss rate: 0.02%

Run 9: Report of Vivace-latency — Data Link

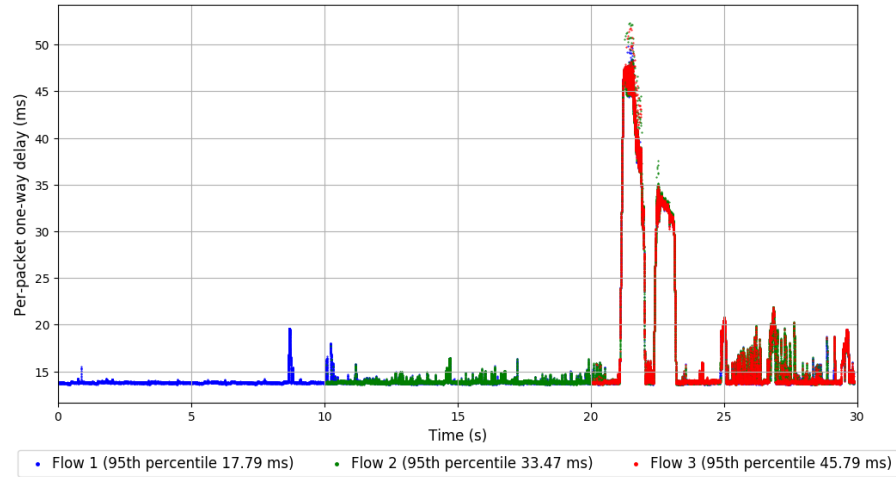
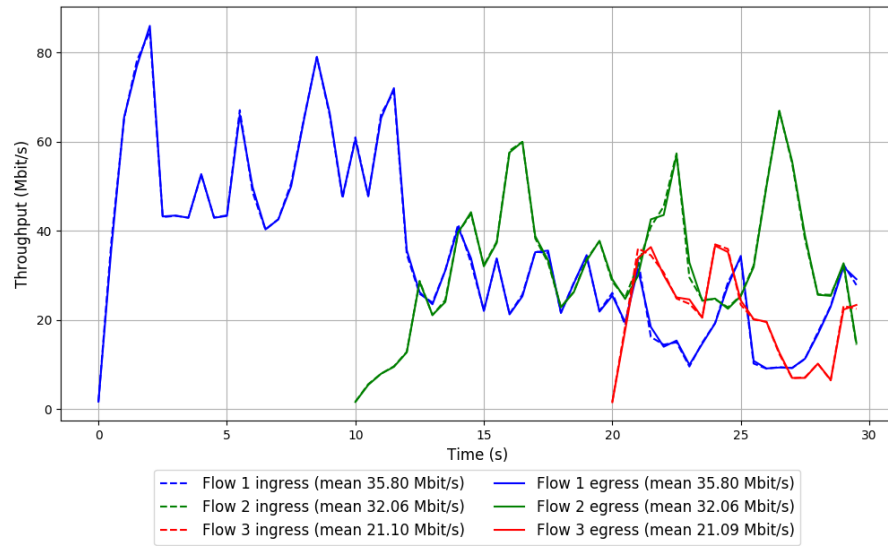


Run 10: Statistics of Vivace-latency

Start at: 2018-03-13 17:21:21
End at: 2018-03-13 17:21:51
Local clock offset: -3.871 ms
Remote clock offset: -19.936 ms

Below is generated by plot.py at 2018-03-13 21:14:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 32.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.80 Mbit/s
95th percentile per-packet one-way delay: 17.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.06 Mbit/s
95th percentile per-packet one-way delay: 33.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.09 Mbit/s
95th percentile per-packet one-way delay: 45.790 ms
Loss rate: 0.03%

Run 10: Report of Vivace-latency — Data Link

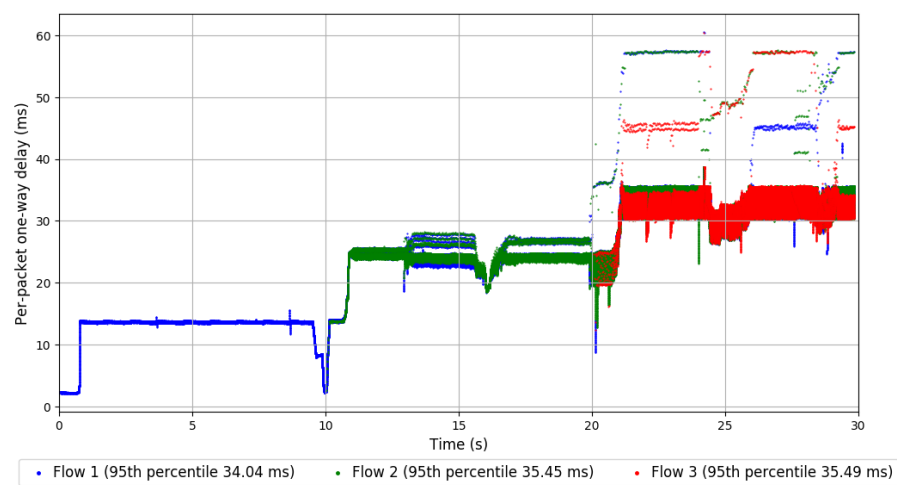
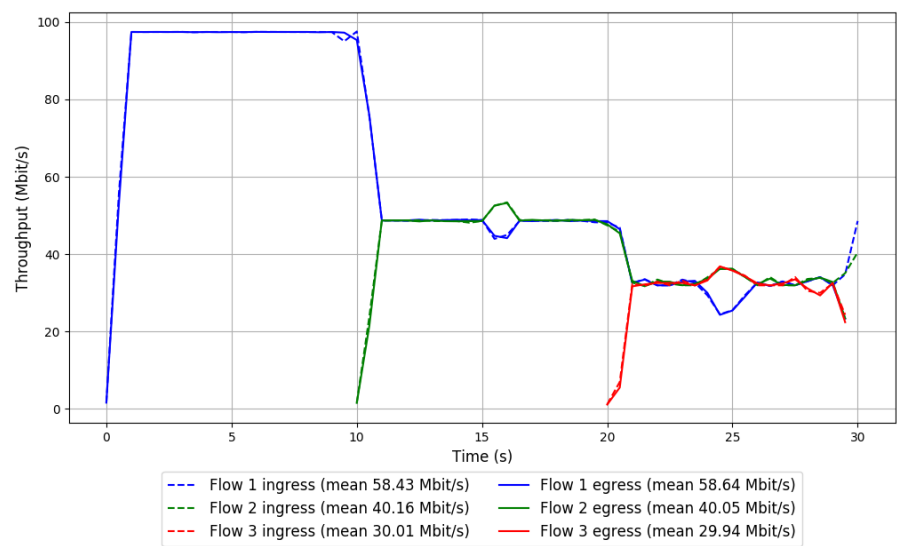


Run 1: Statistics of Vivace-loss

Start at: 2018-03-13 14:08:51
End at: 2018-03-13 14:09:21
Local clock offset: -6.257 ms
Remote clock offset: -6.821 ms

Below is generated by plot.py at 2018-03-13 21:15:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.351 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 58.64 Mbit/s
95th percentile per-packet one-way delay: 34.039 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 35.447 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 35.492 ms
Loss rate: 0.69%

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-03-13 14:29:21

End at: 2018-03-13 14:29:51

Local clock offset: -5.651 ms

Remote clock offset: -6.759 ms

Run 2: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Vivace-loss

Start at: 2018-03-13 14:49:45

End at: 2018-03-13 14:50:15

Local clock offset: -6.339 ms

Remote clock offset: -6.571 ms

Run 3: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Vivace-loss

Start at: 2018-03-13 15:10:10

End at: 2018-03-13 15:10:40

Local clock offset: -6.833 ms

Remote clock offset: -6.67 ms

Run 4: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Vivace-loss

Start at: 2018-03-13 15:30:36

End at: 2018-03-13 15:31:06

Local clock offset: -1.641 ms

Remote clock offset: -6.78 ms

Run 5: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Vivace-loss

Start at: 2018-03-13 15:51:00

End at: 2018-03-13 15:51:30

Local clock offset: 0.875 ms

Remote clock offset: -6.877 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

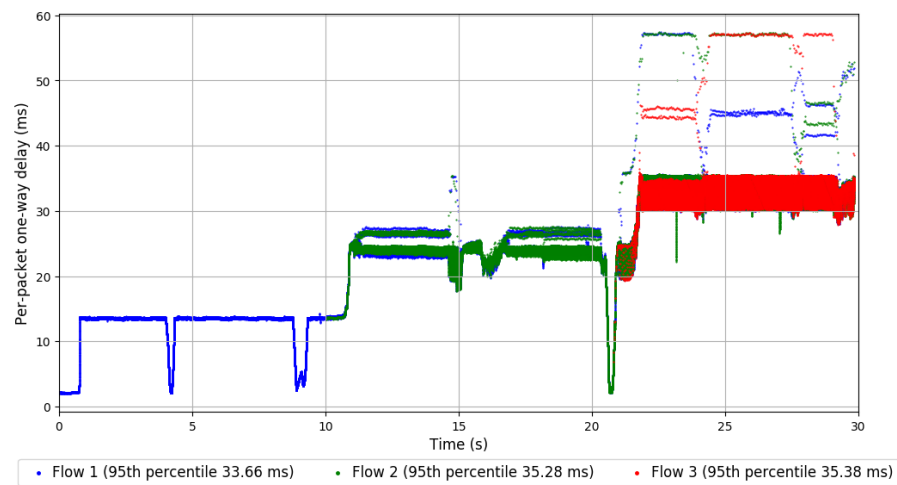
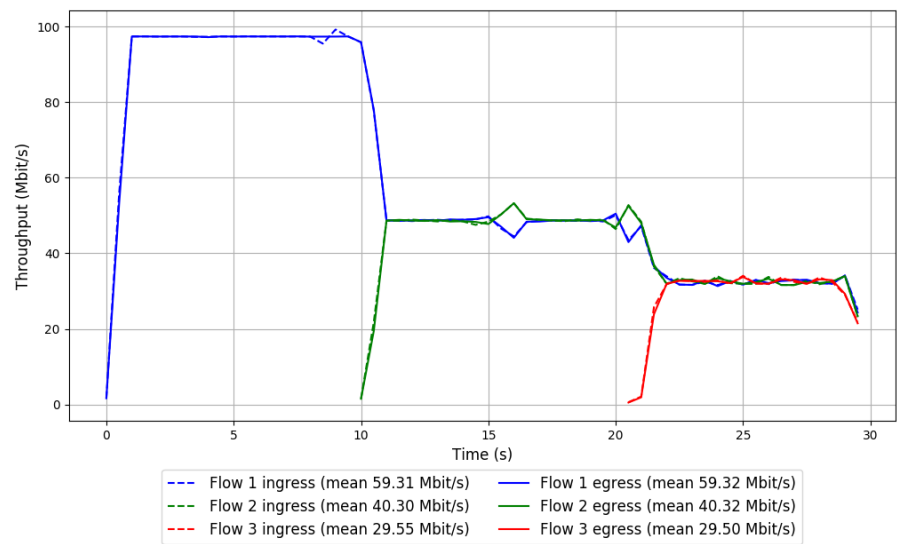
Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-03-13 16:11:26
End at: 2018-03-13 16:11:56
Local clock offset: 2.727 ms
Remote clock offset: -6.561 ms

Below is generated by plot.py at 2018-03-13 21:15:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 35.202 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 33.655 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 35.283 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.50 Mbit/s
95th percentile per-packet one-way delay: 35.376 ms
Loss rate: 0.43%

Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-03-13 16:31:50

End at: 2018-03-13 16:32:20

Local clock offset: -3.098 ms

Remote clock offset: -6.452 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-03-13 16:52:09

End at: 2018-03-13 16:52:39

Local clock offset: -7.913 ms

Remote clock offset: -6.407 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-03-13 17:12:29

End at: 2018-03-13 17:12:59

Local clock offset: -4.197 ms

Remote clock offset: -6.576 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

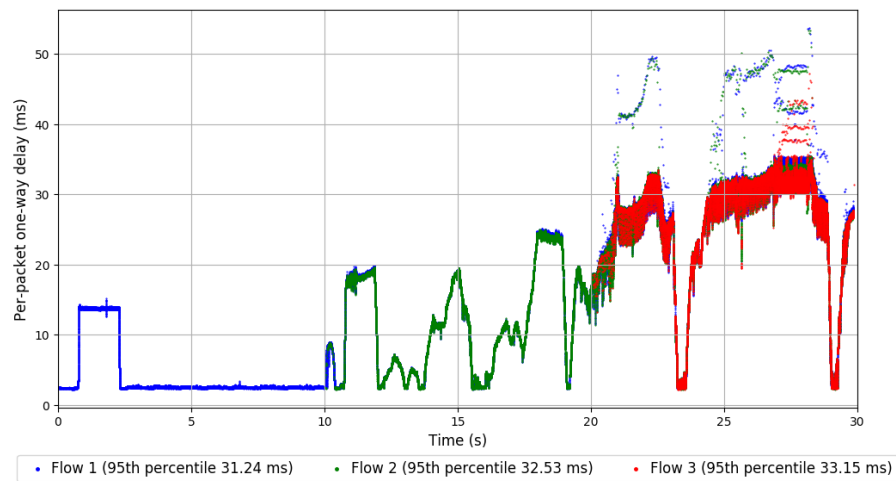
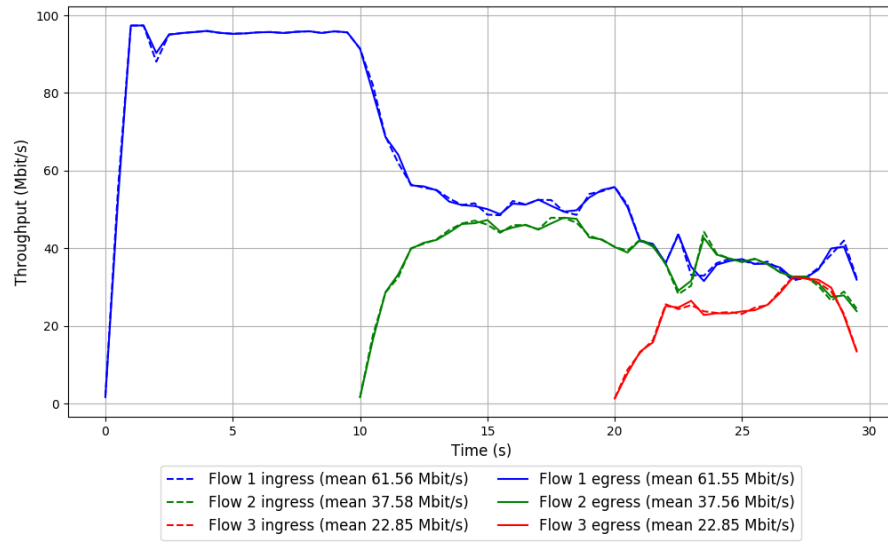
Figure is missing

Run 1: Statistics of Vivace-LTE

Start at: 2018-03-13 14:07:42
End at: 2018-03-13 14:08:12
Local clock offset: -6.262 ms
Remote clock offset: -6.906 ms

Below is generated by plot.py at 2018-03-13 21:15:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 32.093 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 31.241 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 32.526 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 33.152 ms
Loss rate: 0.25%

Run 1: Report of Vivace-LTE — Data Link

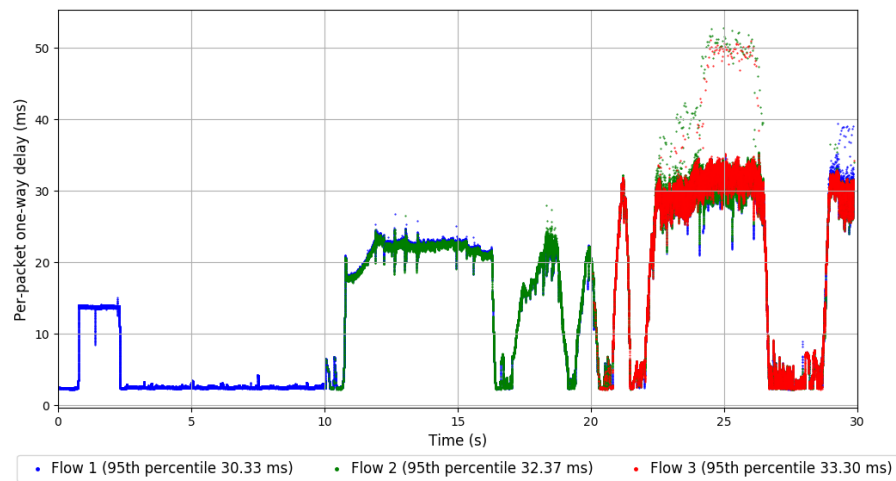
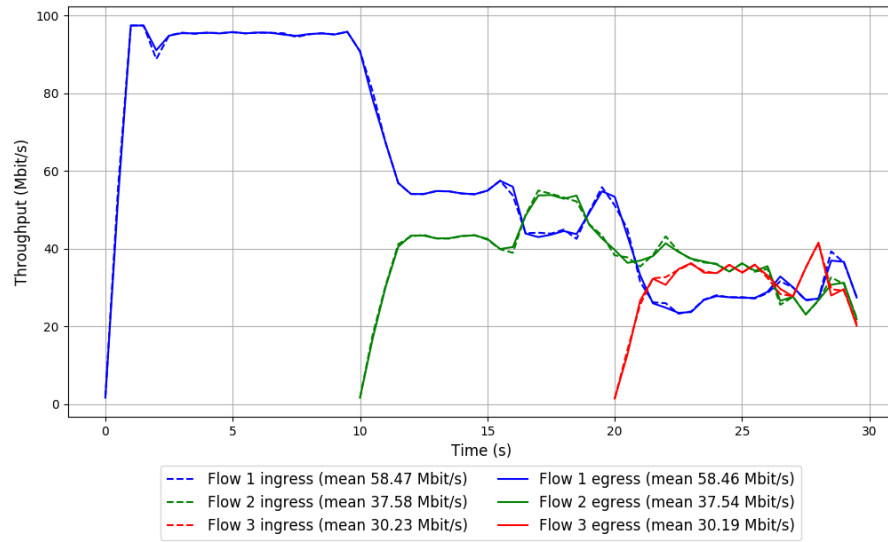


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-13 14:28:11
End at: 2018-03-13 14:28:41
Local clock offset: -5.643 ms
Remote clock offset: -6.715 ms

Below is generated by plot.py at 2018-03-13 21:16:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 32.013 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 30.328 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 32.373 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 33.305 ms
Loss rate: 0.32%

Run 2: Report of Vivace-LTE — Data Link

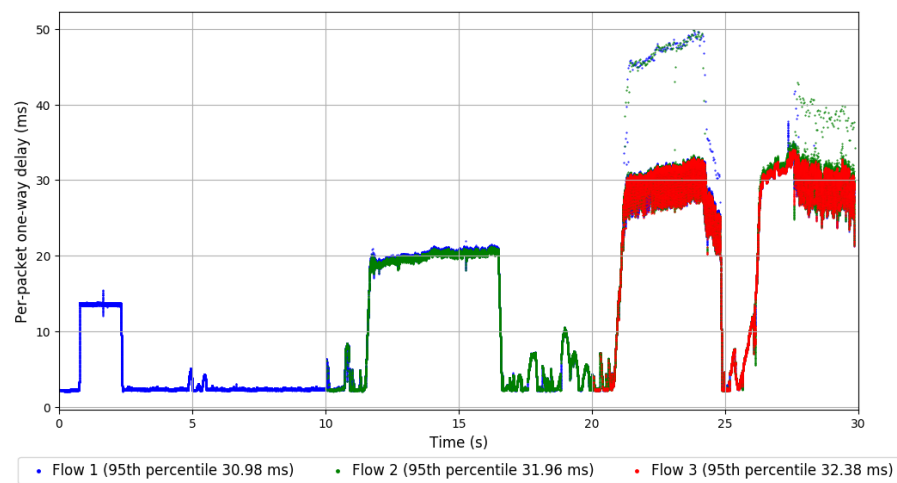
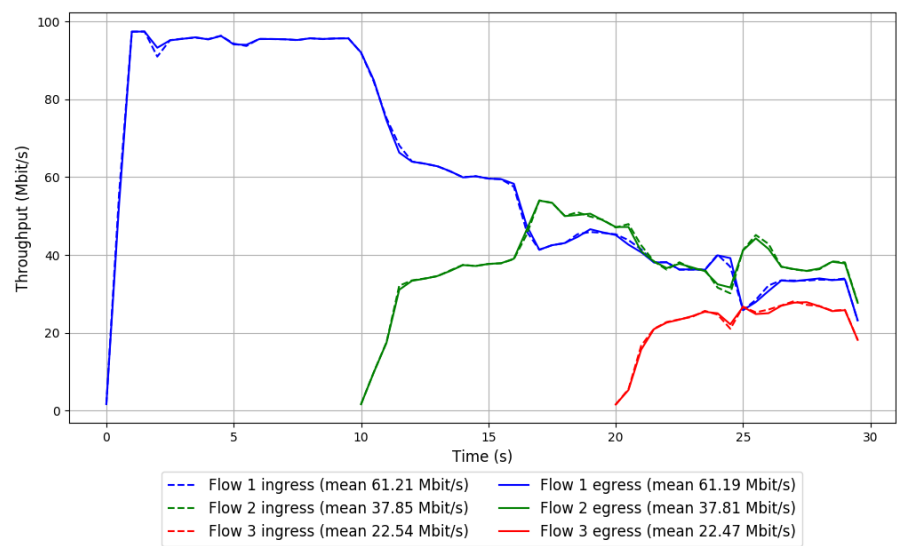


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-13 14:48:35
End at: 2018-03-13 14:49:05
Local clock offset: -6.442 ms
Remote clock offset: -6.587 ms

Below is generated by plot.py at 2018-03-13 21:16:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.72 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.19 Mbit/s
95th percentile per-packet one-way delay: 30.981 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 31.960 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 32.385 ms
Loss rate: 0.35%

Run 3: Report of Vivace-LTE — Data Link

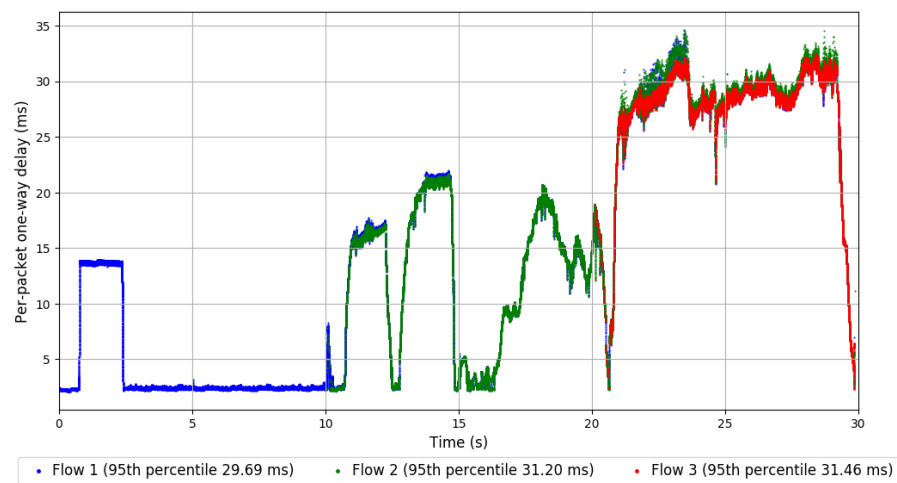
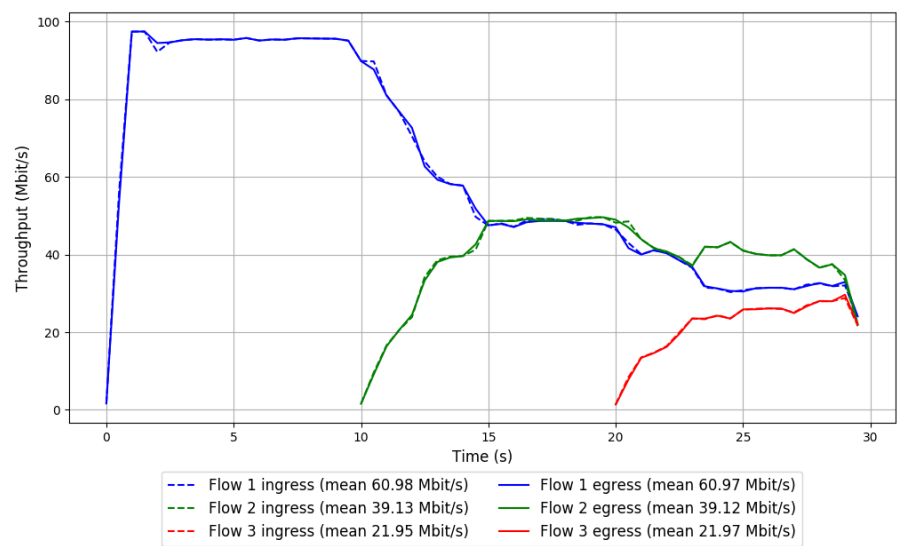


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-13 15:09:01
End at: 2018-03-13 15:09:31
Local clock offset: -6.927 ms
Remote clock offset: -6.674 ms

Below is generated by plot.py at 2018-03-13 21:16:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 30.815 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 29.689 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 31.201 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 31.464 ms
Loss rate: 0.13%

Run 4: Report of Vivace-LTE — Data Link

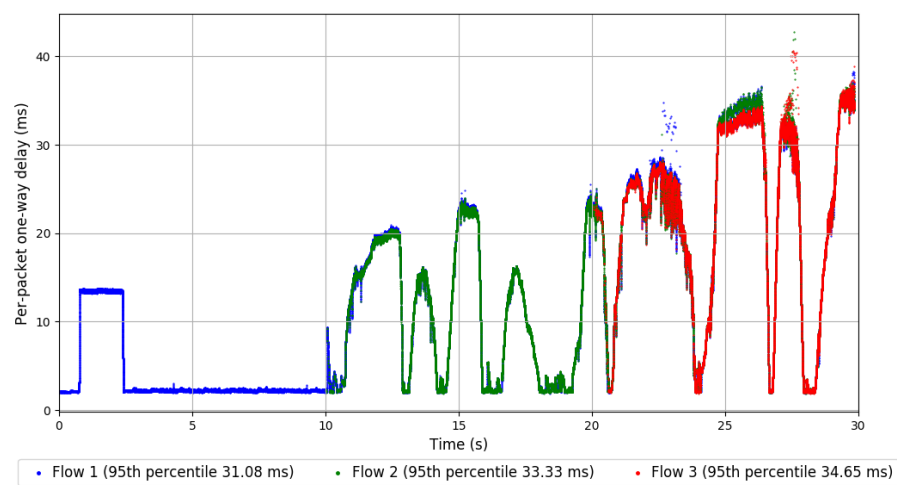
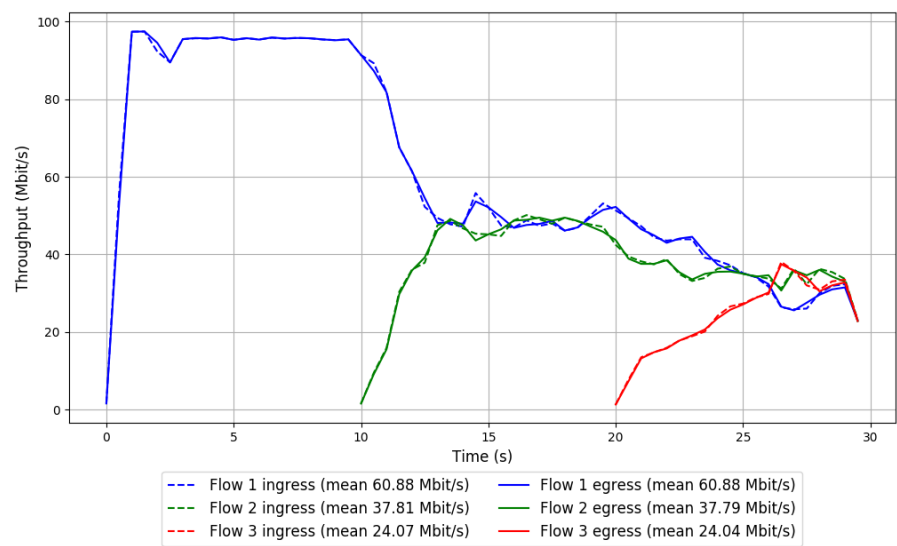


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-13 15:29:26
End at: 2018-03-13 15:29:56
Local clock offset: -1.939 ms
Remote clock offset: -6.702 ms

Below is generated by plot.py at 2018-03-13 21:16:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 32.893 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 31.076 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 33.327 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 34.647 ms
Loss rate: 0.52%

Run 5: Report of Vivace-LTE — Data Link

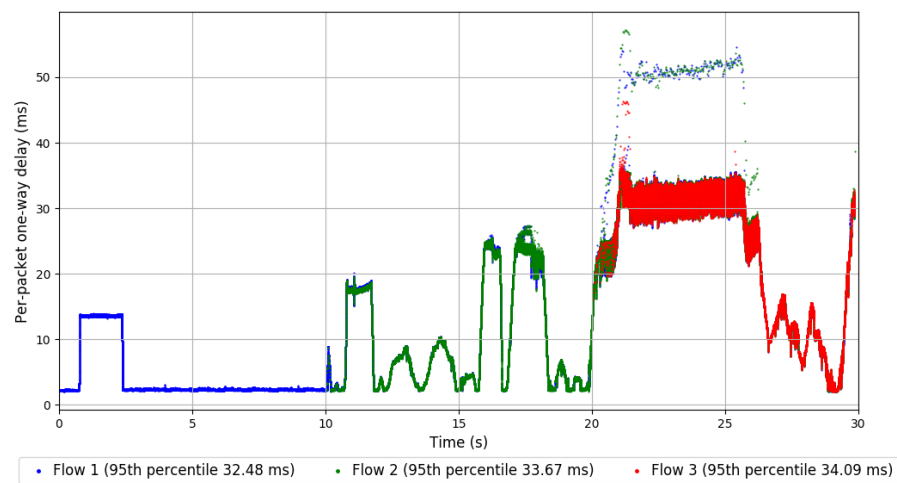
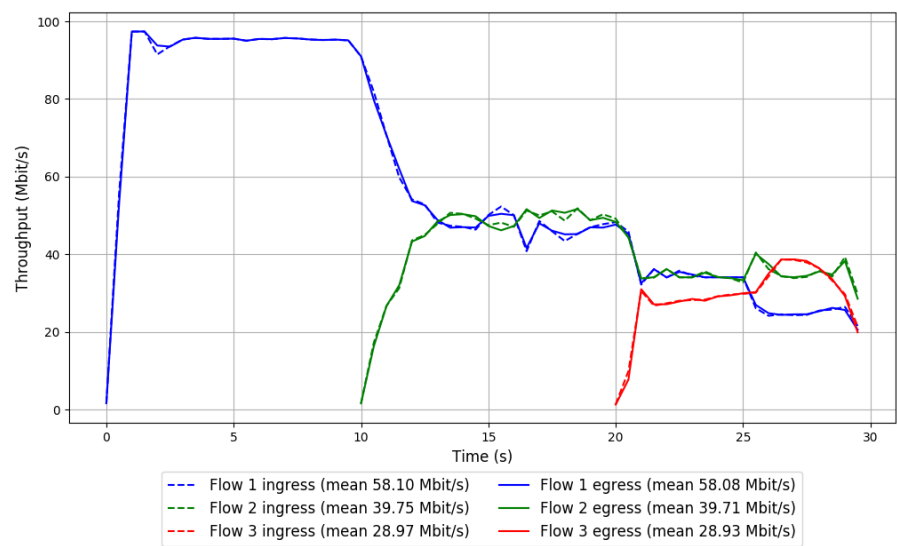


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-13 15:49:50
End at: 2018-03-13 15:50:20
Local clock offset: 0.771 ms
Remote clock offset: -6.811 ms

Below is generated by plot.py at 2018-03-13 21:16:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 33.459 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 32.475 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.71 Mbit/s
95th percentile per-packet one-way delay: 33.667 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 28.93 Mbit/s
95th percentile per-packet one-way delay: 34.093 ms
Loss rate: 0.39%

Run 6: Report of Vivace-LTE — Data Link

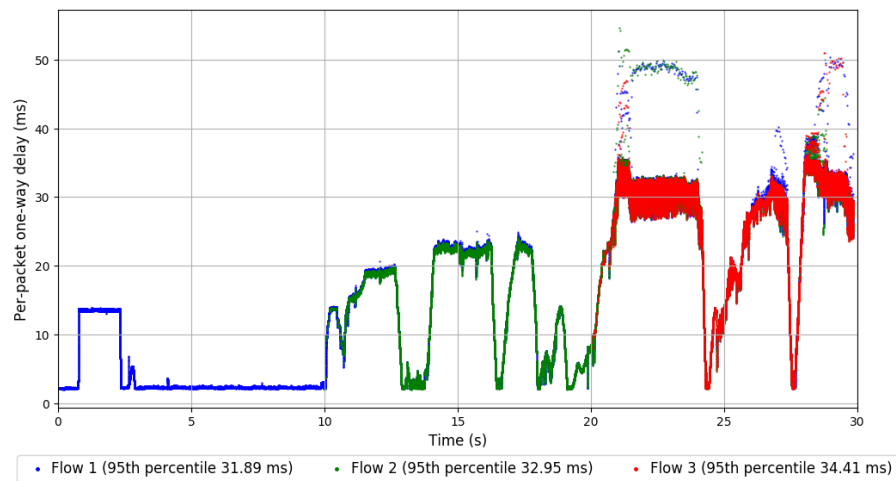
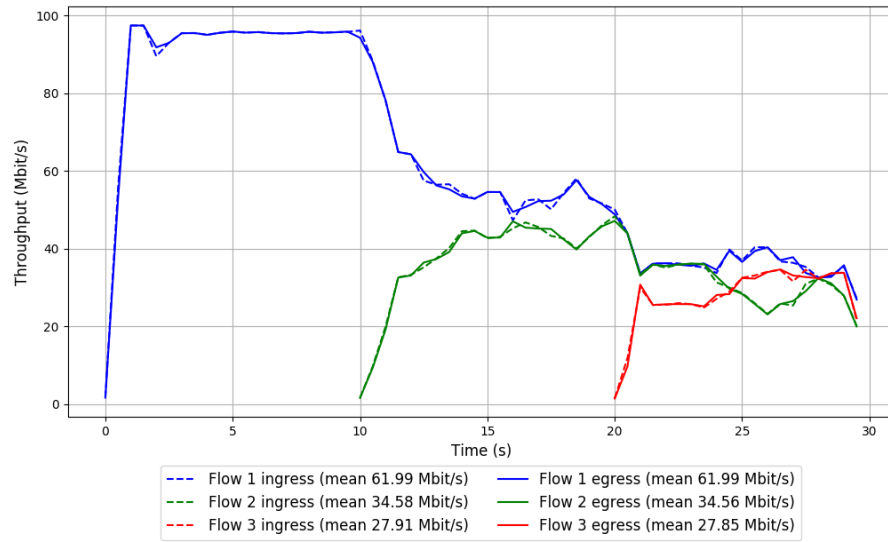


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-13 16:10:16
End at: 2018-03-13 16:10:46
Local clock offset: 2.71 ms
Remote clock offset: -6.568 ms

Below is generated by plot.py at 2018-03-13 21:16:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 32.623 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 31.887 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.56 Mbit/s
95th percentile per-packet one-way delay: 32.949 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 34.410 ms
Loss rate: 0.33%

Run 7: Report of Vivace-LTE — Data Link

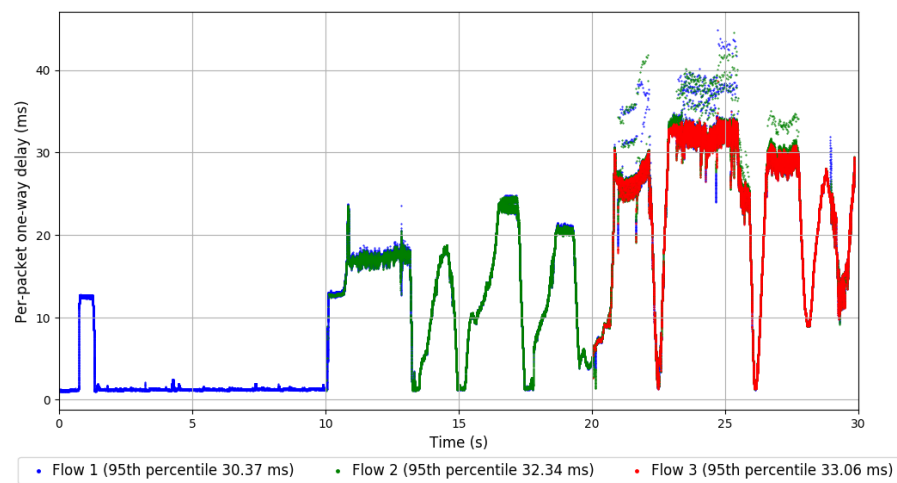
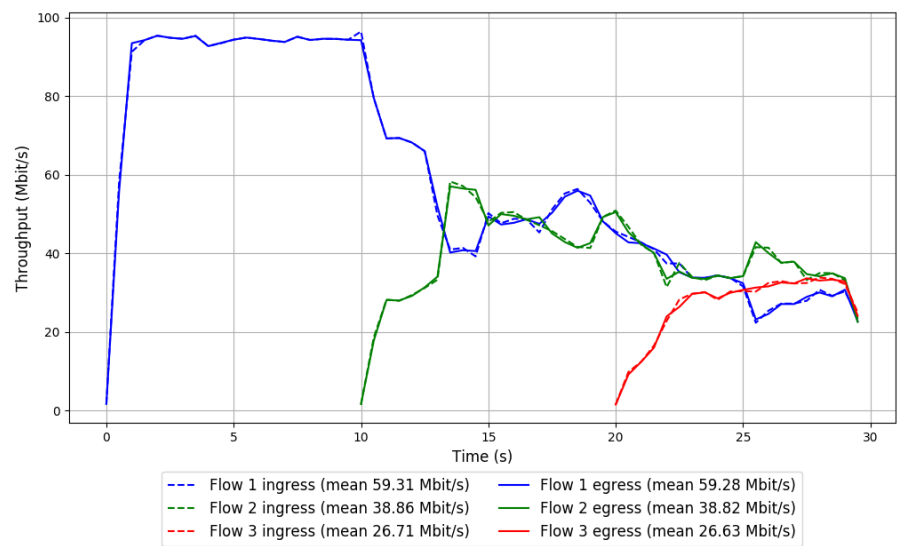


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-13 16:30:40
End at: 2018-03-13 16:31:10
Local clock offset: -2.498 ms
Remote clock offset: -6.515 ms

Below is generated by plot.py at 2018-03-13 21:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.85 Mbit/s
95th percentile per-packet one-way delay: 32.087 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 30.368 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 32.343 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 33.065 ms
Loss rate: 0.37%

Run 8: Report of Vivace-LTE — Data Link

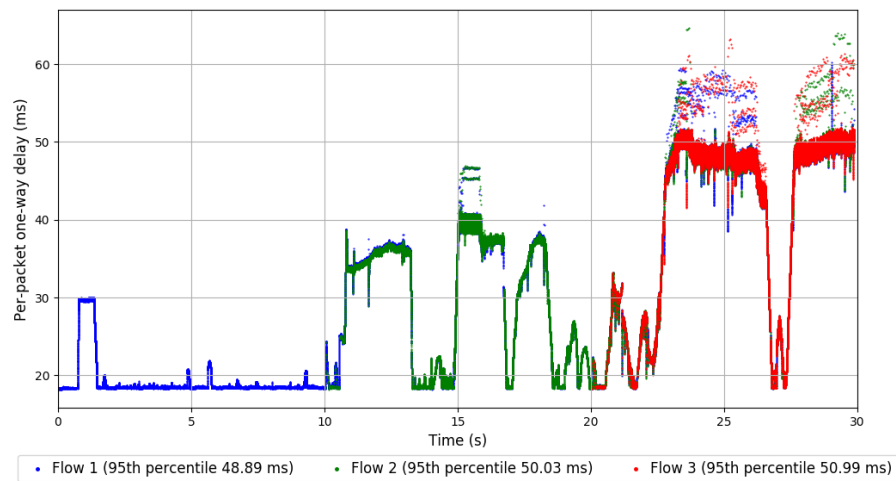
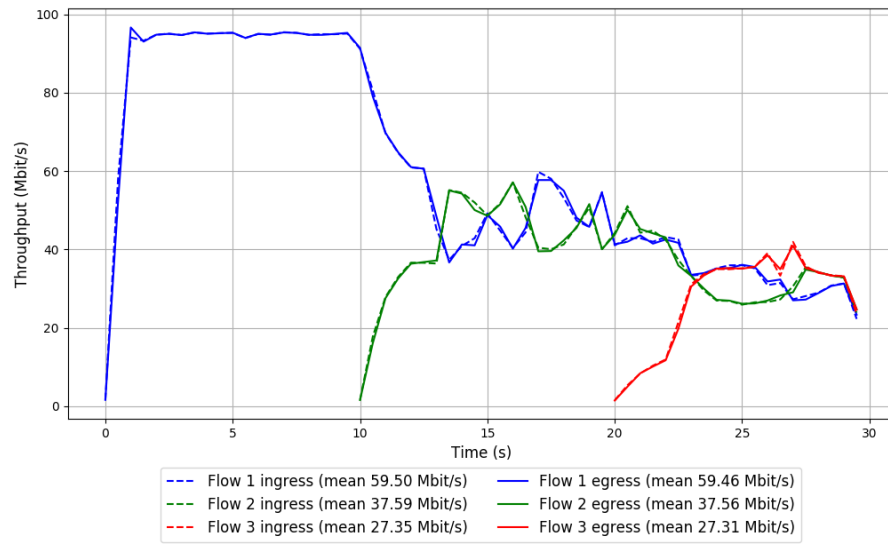


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-13 16:50:59
End at: 2018-03-13 16:51:29
Local clock offset: -7.627 ms
Remote clock offset: -23.78 ms

Below is generated by plot.py at 2018-03-13 21:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 49.748 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 50.033 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.31 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.40%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-13 17:11:19
End at: 2018-03-13 17:11:49
Local clock offset: -4.394 ms
Remote clock offset: -6.508 ms

Below is generated by plot.py at 2018-03-13 21:16:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 31.350 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 30.270 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 31.692 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 0.00%

Run 10: Report of Vivace-LTE — Data Link

