

Pantheon Report

Generated at 2018-03-21 07:31:15 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

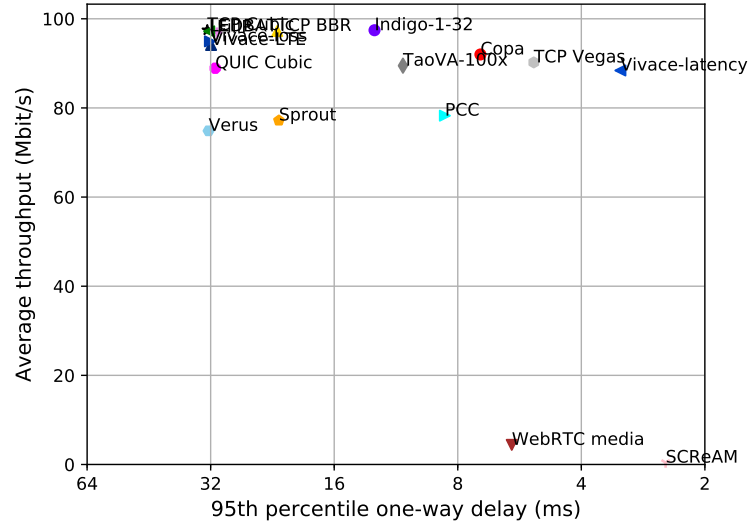
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

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

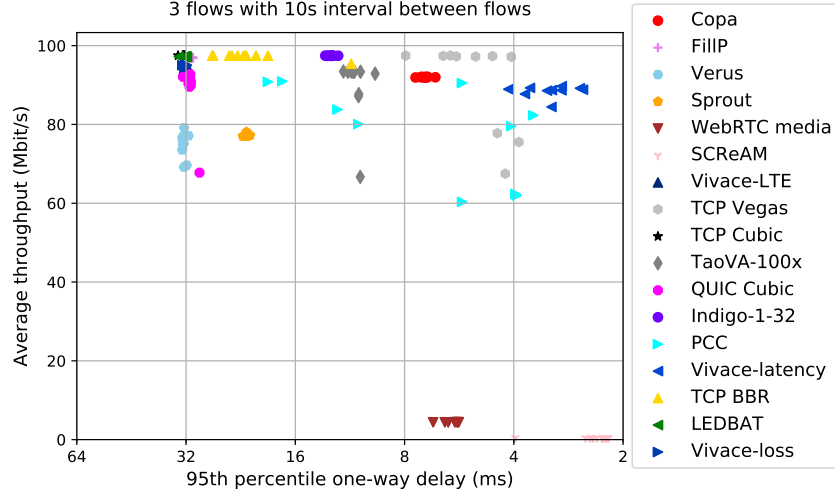
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



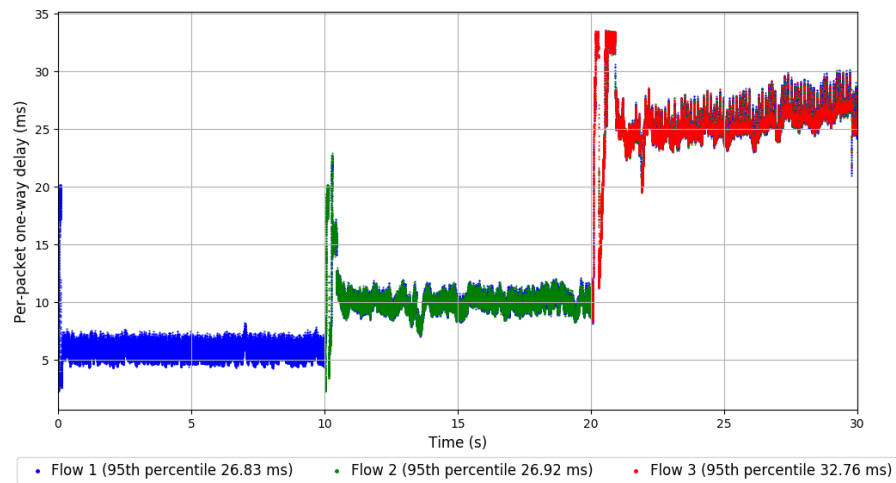
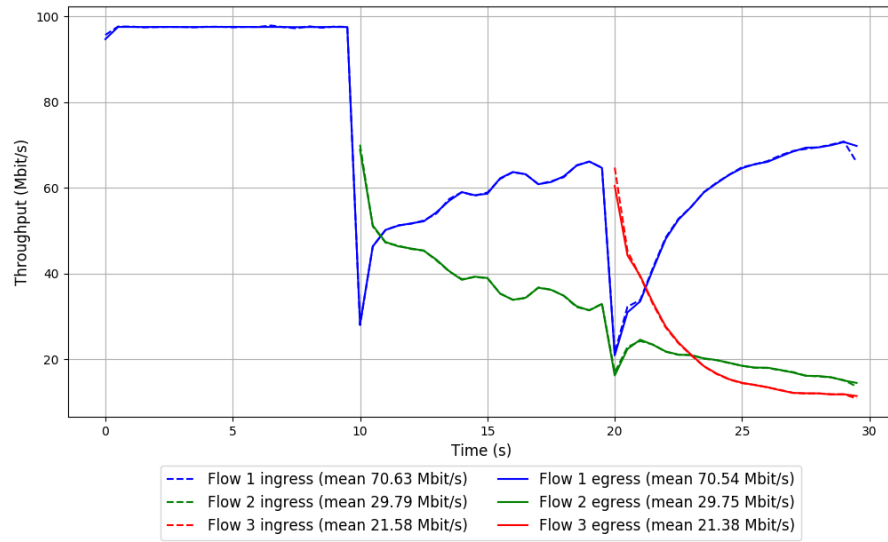
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	65.38	34.14	27.53	21.64	21.92	28.16	0.58	0.02	0.35
TCP Cubic	10	66.86	35.49	21.12	32.56	32.67	32.71	0.03	0.09	0.18
LEDBAT	10	71.76	23.44	29.65	32.21	32.25	32.40	0.02	1.83	0.68
PCC	10	52.46	33.88	9.93	6.95	10.01	11.05	1.64	0.03	0.01
QUIC Cubic	10	53.66	37.22	32.25	30.47	31.19	31.43	0.62	0.18	0.19
SCReAM	10	0.21	0.21	0.22	2.50	2.48	2.46	0.03	0.25	0.00
WebRTC media	10	2.34	1.50	0.56	5.46	5.94	7.15	0.44	0.03	0.01
Sprout	10	41.86	37.96	30.53	20.70	21.35	24.20	0.01	0.02	0.01
TaoVA-100x	10	50.36	42.81	31.94	10.12	11.08	15.49	0.53	0.58	1.00
TCP Vegas	10	46.07	43.73	45.23	8.19	4.55	4.31	0.58	0.60	0.57
Verus	10	45.65	31.32	25.41	31.11	32.56	32.76	12.79	17.75	27.79
Copa	10	56.40	38.12	30.74	6.46	7.17	7.52	0.01	0.03	0.01
FillP	10	58.92	39.95	34.40	30.87	30.89	30.89	16.72	23.98	31.42
Indigo-1-32	10	46.90	44.78	64.19	11.04	13.01	13.48	0.00	0.03	0.03
Vivace-latency	10	56.82	35.89	23.43	2.86	3.54	4.73	0.00	0.00	0.50
Vivace-loss	10	70.84	30.19	12.26	32.13	32.08	32.07	3.02	1.99	2.98
Vivace-LTE	10	61.49	38.23	21.84	31.87	31.95	32.00	0.48	0.83	1.95

Run 1: Statistics of TCP BBR

Start at: 2018-03-21 03:14:17
End at: 2018-03-21 03:14:47
Local clock offset: -2.828 ms
Remote clock offset: -6.497 ms

Below is generated by plot.py at 2018-03-21 07:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 27.110 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 26.827 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 26.919 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 32.756 ms
Loss rate: 0.80%

Run 1: Report of TCP BBR — Data Link

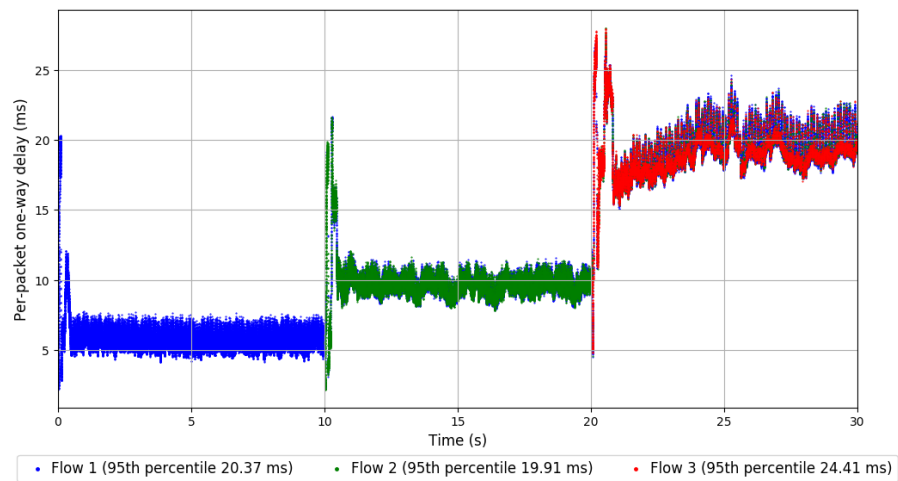
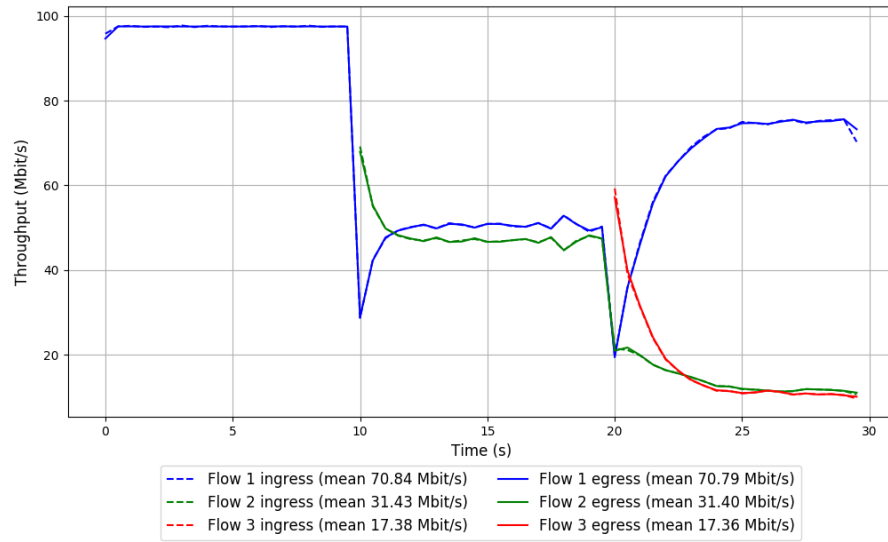


Run 2: Statistics of TCP BBR

Start at: 2018-03-21 03:34:50
End at: 2018-03-21 03:35:20
Local clock offset: -3.898 ms
Remote clock offset: -1.698 ms

Below is generated by plot.py at 2018-03-21 07:02:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 20.536 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 20.368 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.40 Mbit/s
95th percentile per-packet one-way delay: 19.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.36 Mbit/s
95th percentile per-packet one-way delay: 24.405 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-03-21 03:55:22

End at: 2018-03-21 03:55:52

Local clock offset: -3.935 ms

Remote clock offset: -2.99 ms

Below is generated by plot.py at 2018-03-21 07:02:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 23.927 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 68.08 Mbit/s

95th percentile per-packet one-way delay: 23.422 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 23.939 ms

Loss rate: 0.02%

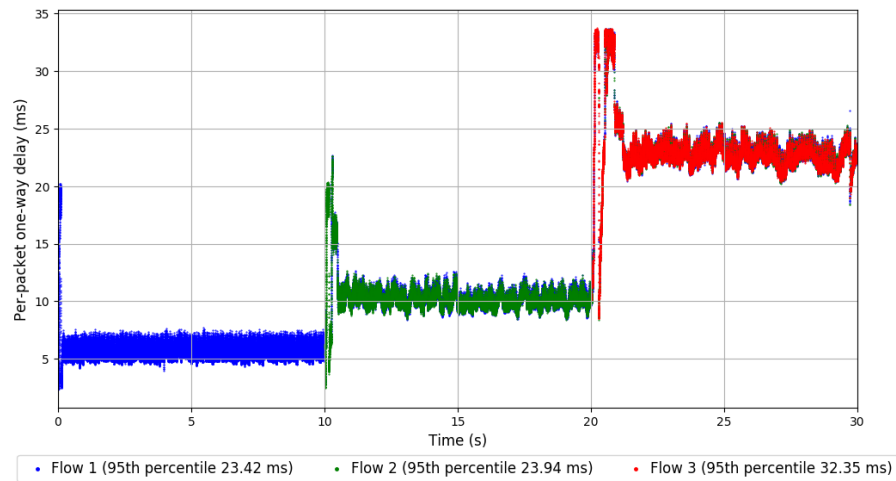
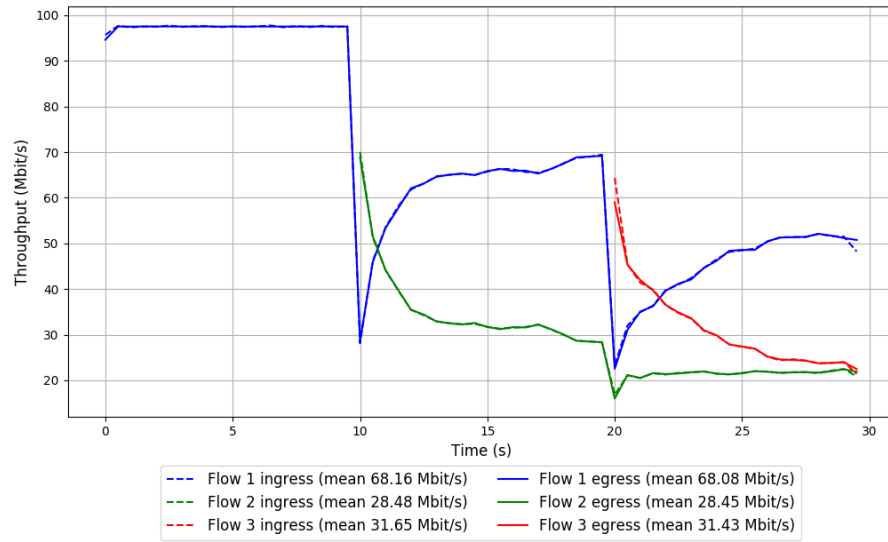
-- Flow 3:

Average throughput: 31.43 Mbit/s

95th percentile per-packet one-way delay: 32.346 ms

Loss rate: 0.56%

Run 3: Report of TCP BBR — Data Link

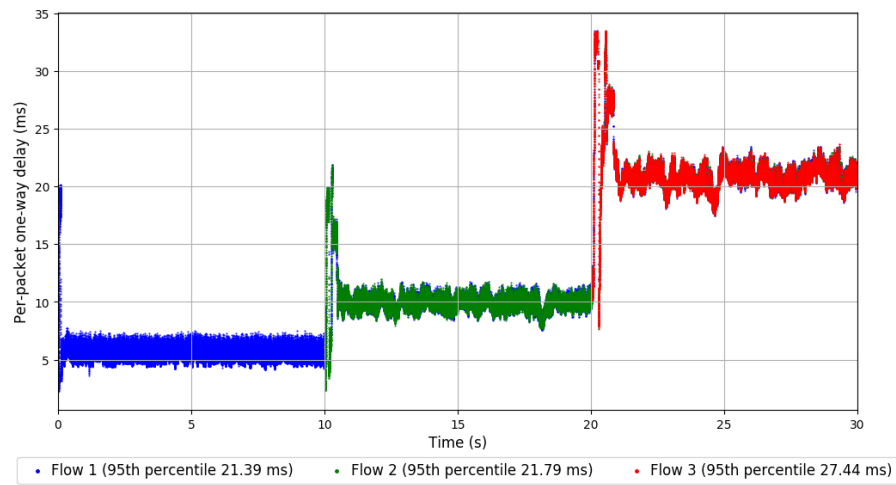
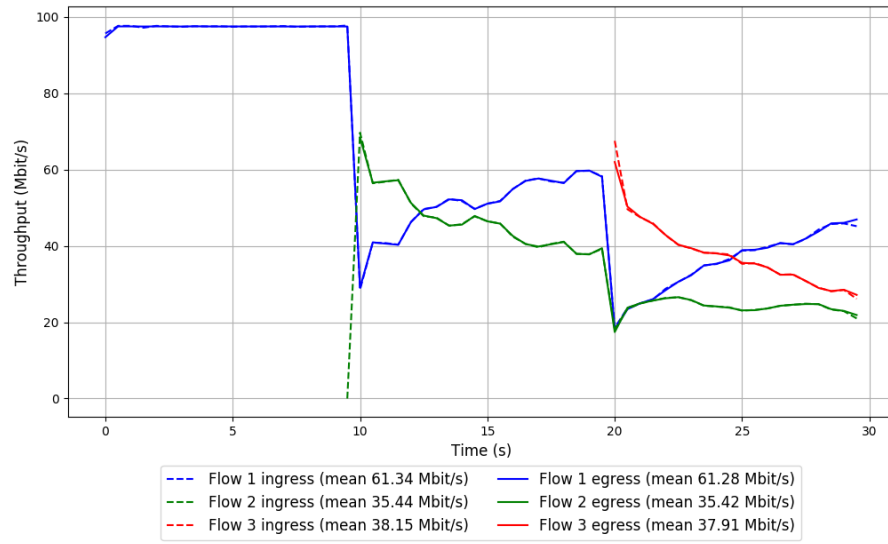


Run 4: Statistics of TCP BBR

Start at: 2018-03-21 04:15:55
End at: 2018-03-21 04:16:25
Local clock offset: -3.539 ms
Remote clock offset: -6.453 ms

Below is generated by plot.py at 2018-03-21 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 21.856 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 21.387 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 35.42 Mbit/s
95th percentile per-packet one-way delay: 21.788 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.91 Mbit/s
95th percentile per-packet one-way delay: 27.437 ms
Loss rate: 0.51%

Run 4: Report of TCP BBR — Data Link

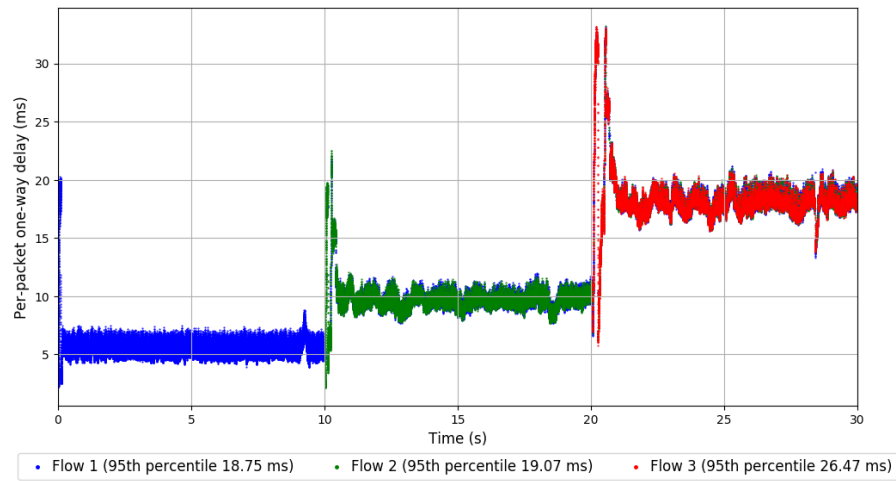
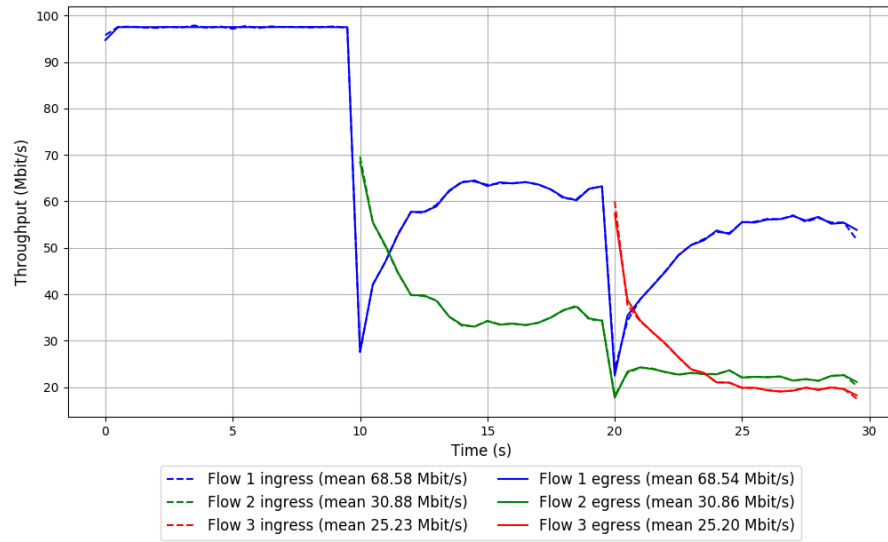


Run 5: Statistics of TCP BBR

Start at: 2018-03-21 04:36:28
End at: 2018-03-21 04:36:58
Local clock offset: -4.304 ms
Remote clock offset: -3.286 ms

Below is generated by plot.py at 2018-03-21 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.54 Mbit/s
95th percentile per-packet one-way delay: 18.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.86 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.20 Mbit/s
95th percentile per-packet one-way delay: 26.471 ms
Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link

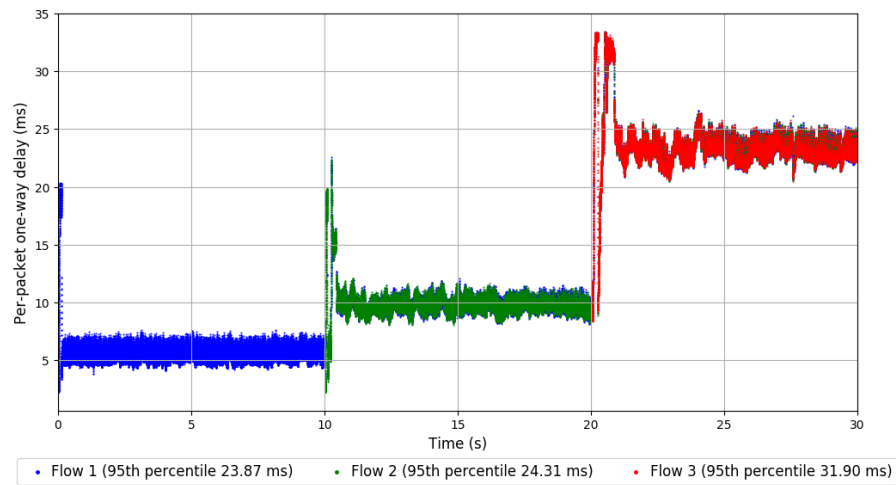
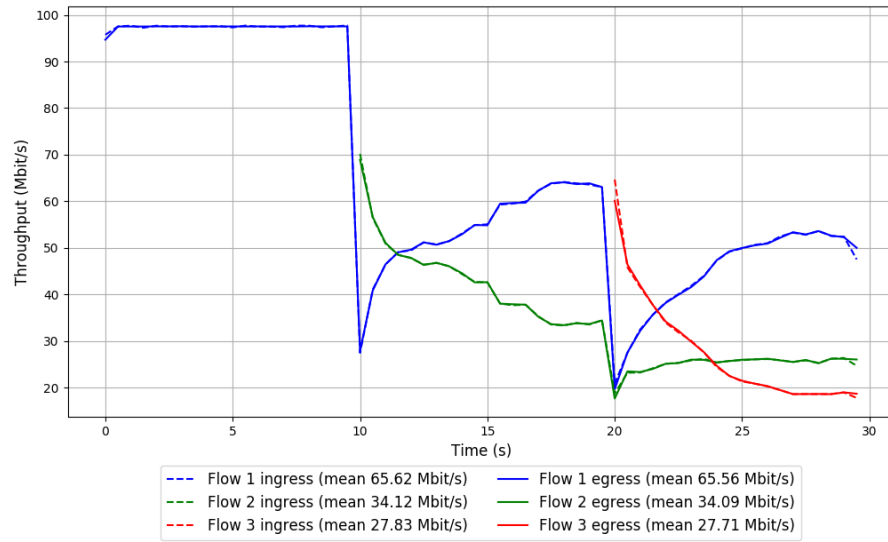


Run 6: Statistics of TCP BBR

Start at: 2018-03-21 04:56:58
End at: 2018-03-21 04:57:28
Local clock offset: -4.934 ms
Remote clock offset: -1.435 ms

Below is generated by plot.py at 2018-03-21 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 24.328 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 23.868 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 34.09 Mbit/s
95th percentile per-packet one-way delay: 24.310 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 27.71 Mbit/s
95th percentile per-packet one-way delay: 31.899 ms
Loss rate: 0.32%

Run 6: Report of TCP BBR — Data Link

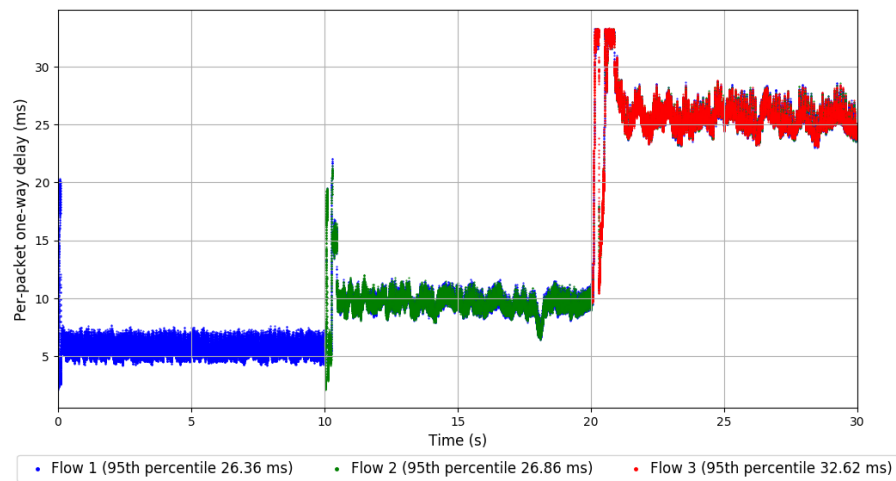
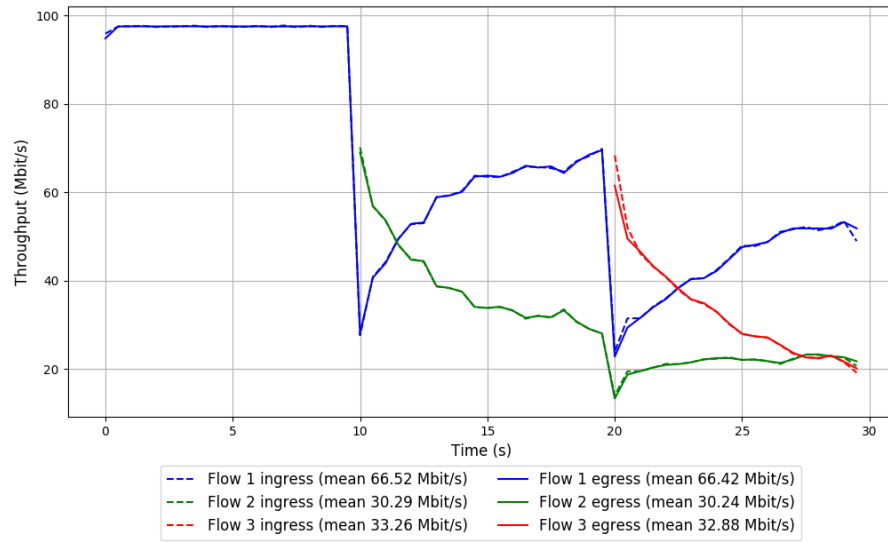


Run 7: Statistics of TCP BBR

Start at: 2018-03-21 05:17:30
End at: 2018-03-21 05:18:00
Local clock offset: -4.859 ms
Remote clock offset: 11.939 ms

Below is generated by plot.py at 2018-03-21 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 26.940 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 66.42 Mbit/s
95th percentile per-packet one-way delay: 26.360 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 26.858 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 32.621 ms
Loss rate: 1.01%

Run 7: Report of TCP BBR — Data Link

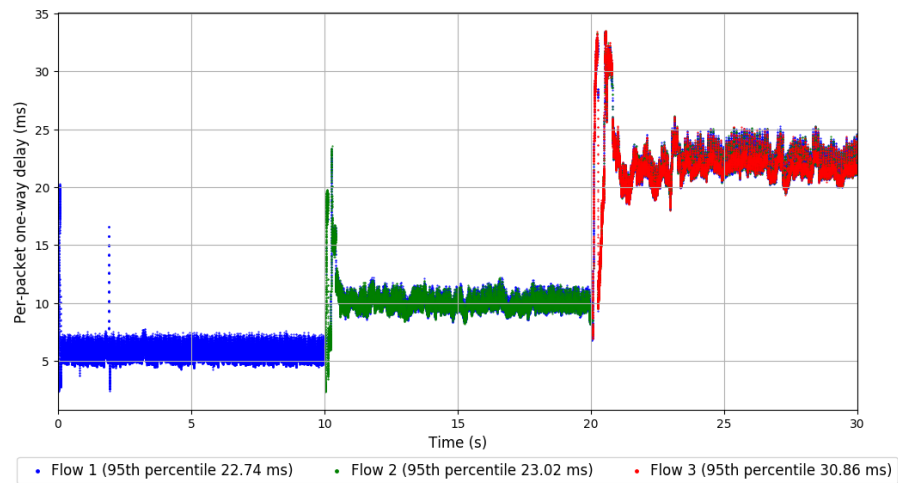
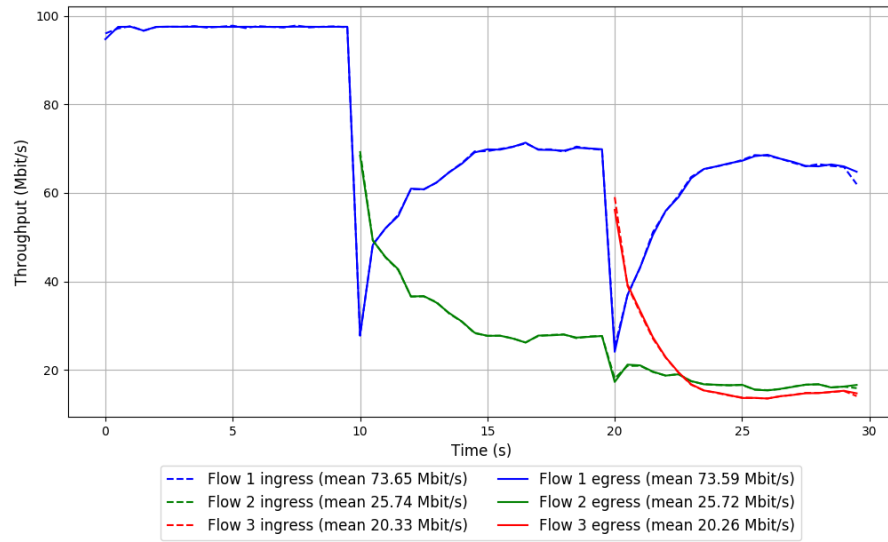


Run 8: Statistics of TCP BBR

Start at: 2018-03-21 05:38:01
End at: 2018-03-21 05:38:31
Local clock offset: -4.844 ms
Remote clock offset: 18.093 ms

Below is generated by plot.py at 2018-03-21 07:02:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 23.067 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 22.742 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 30.860 ms
Loss rate: 0.21%

Run 8: Report of TCP BBR — Data Link

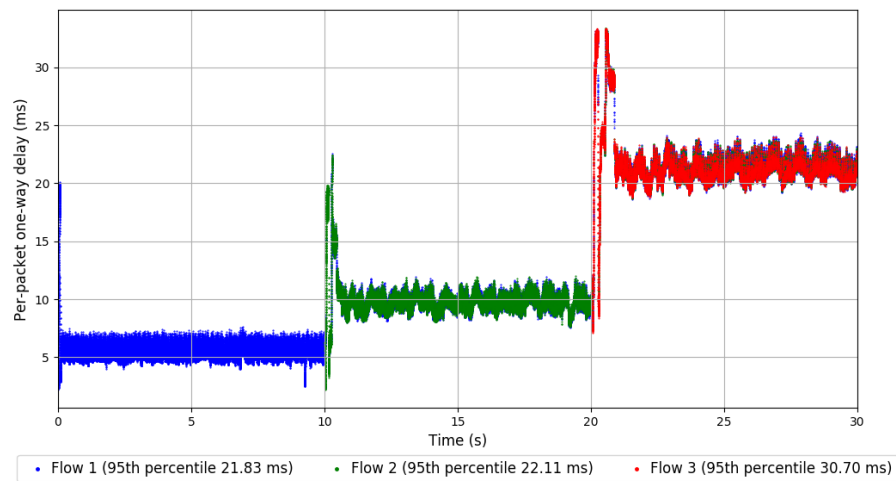
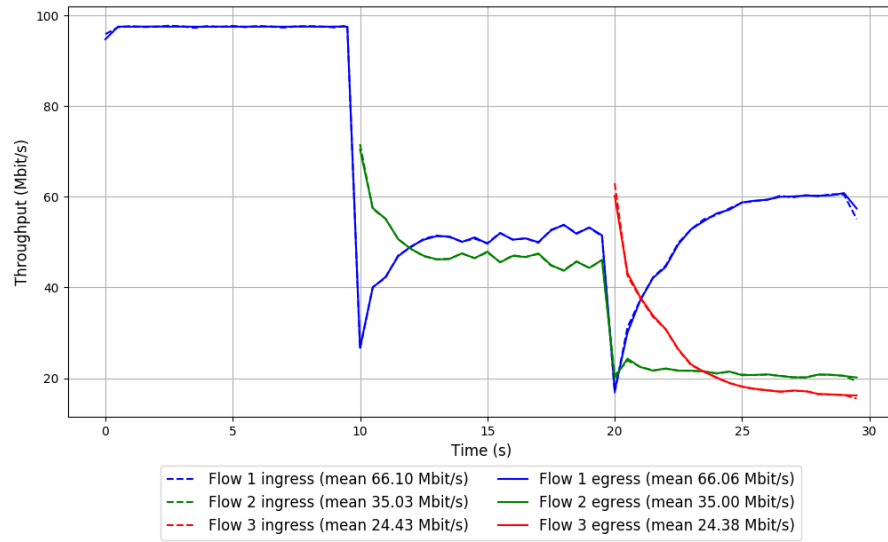


Run 9: Statistics of TCP BBR

Start at: 2018-03-21 05:58:34
End at: 2018-03-21 05:59:04
Local clock offset: -3.649 ms
Remote clock offset: 23.342 ms

Below is generated by plot.py at 2018-03-21 07:04:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 22.223 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 22.114 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 30.699 ms
Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-03-21 06:19:06

End at: 2018-03-21 06:19:36

Local clock offset: -4.832 ms

Remote clock offset: 0.821 ms

Below is generated by plot.py at 2018-03-21 07:04:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 11.224 ms

Loss rate: 2.62%

-- Flow 1:

Average throughput: 42.93 Mbit/s

95th percentile per-packet one-way delay: 10.821 ms

Loss rate: 5.64%

-- Flow 2:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 11.281 ms

Loss rate: 0.00%

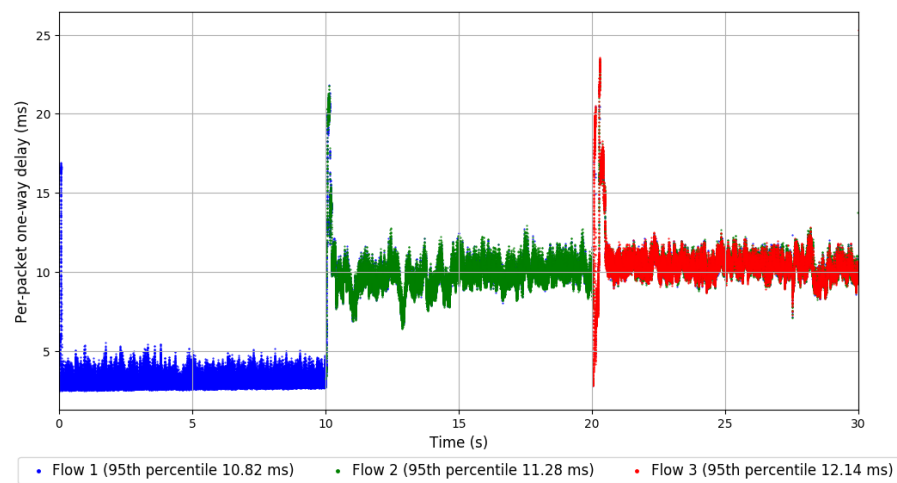
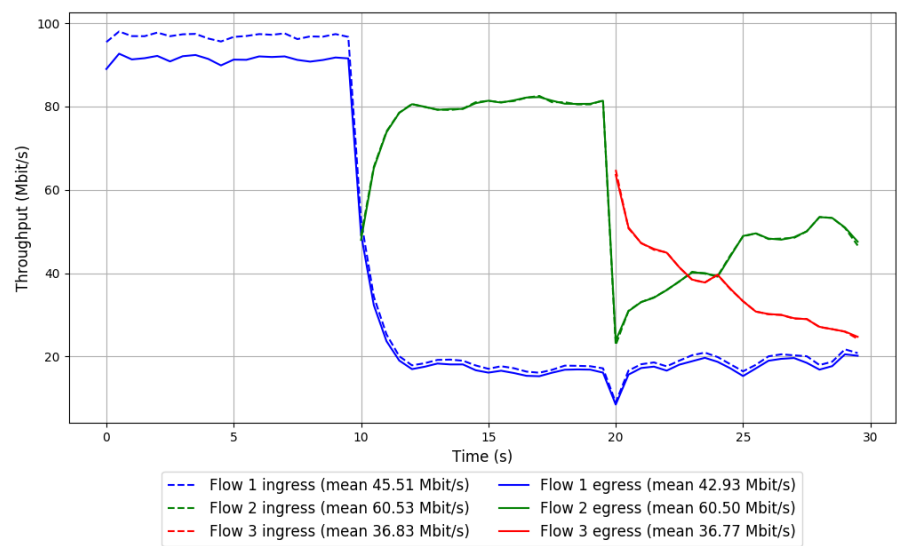
-- Flow 3:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 12.141 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

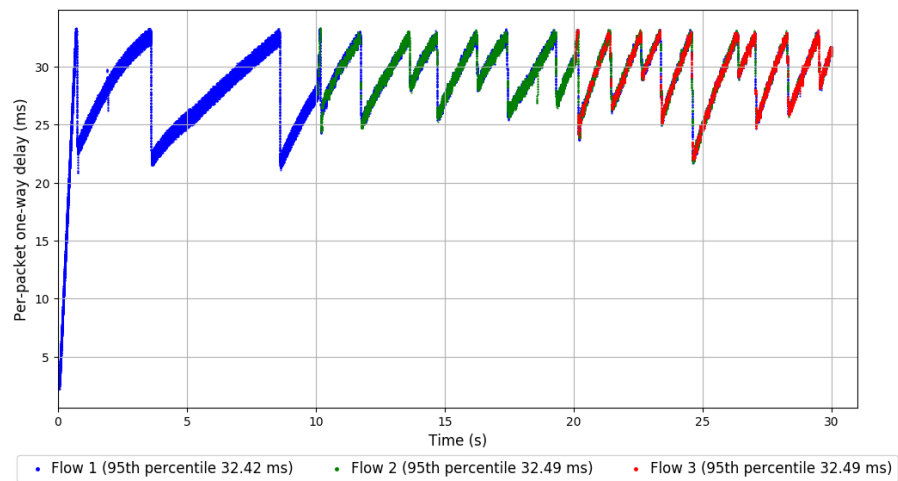
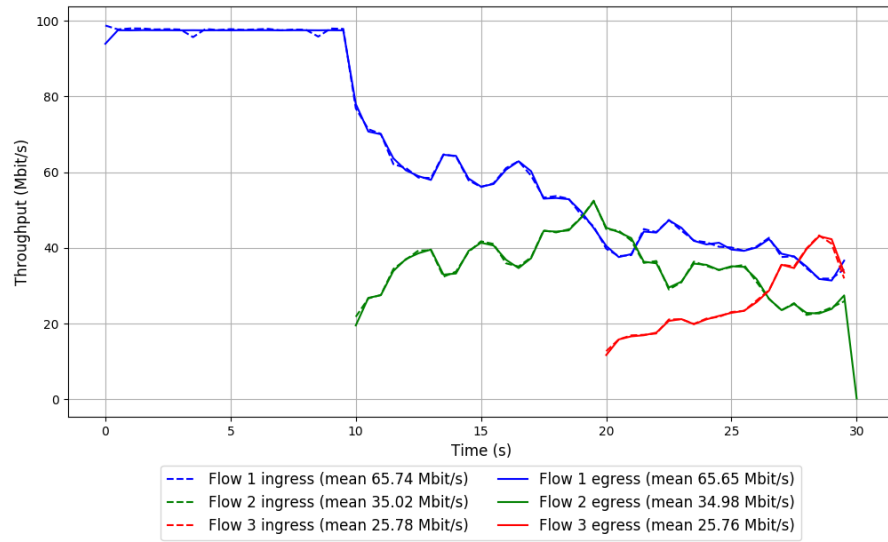


Run 1: Statistics of TCP Cubic

Start at: 2018-03-21 03:24:38
End at: 2018-03-21 03:25:08
Local clock offset: -3.252 ms
Remote clock offset: -3.453 ms

Below is generated by plot.py at 2018-03-21 07:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.455 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 32.423 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 32.494 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 25.76 Mbit/s
95th percentile per-packet one-way delay: 32.494 ms
Loss rate: 0.09%

Run 1: Report of TCP Cubic — Data Link

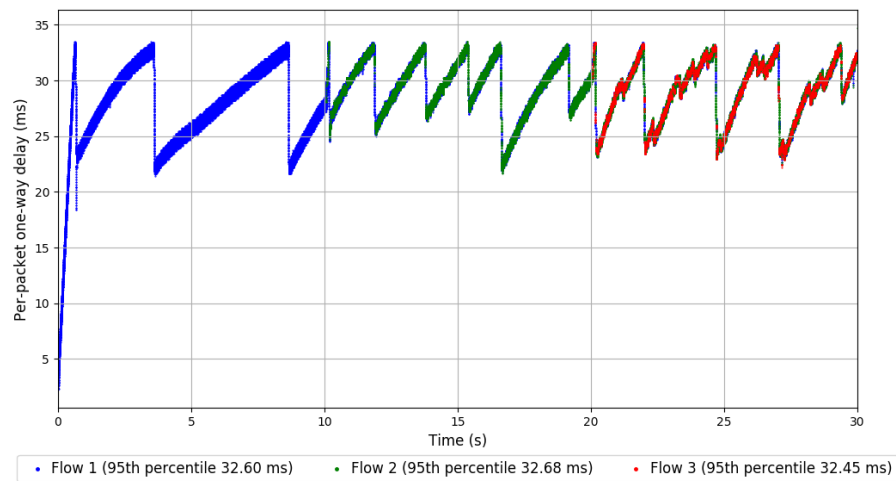
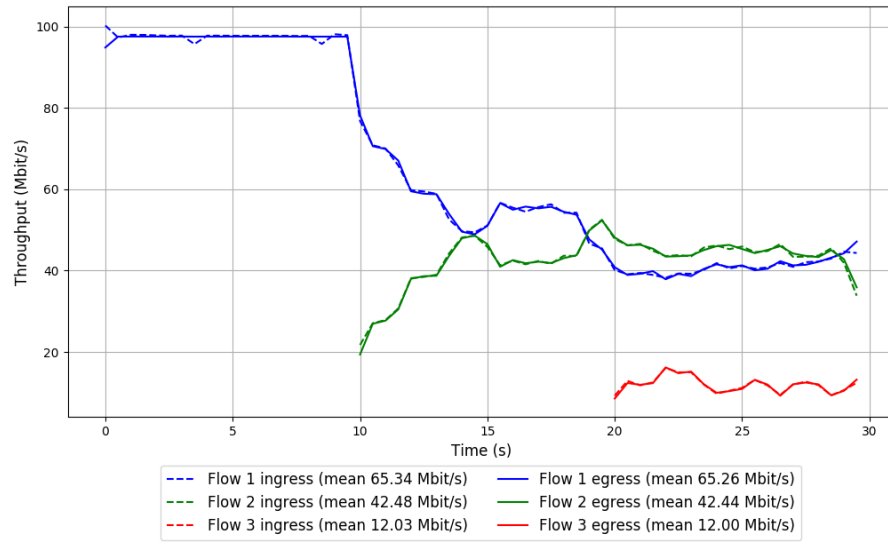


Run 2: Statistics of TCP Cubic

Start at: 2018-03-21 03:45:10
End at: 2018-03-21 03:45:40
Local clock offset: -4.042 ms
Remote clock offset: -0.686 ms

Below is generated by plot.py at 2018-03-21 07:04:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.633 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 32.601 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 42.44 Mbit/s
95th percentile per-packet one-way delay: 32.677 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 32.452 ms
Loss rate: 0.26%

Run 2: Report of TCP Cubic — Data Link

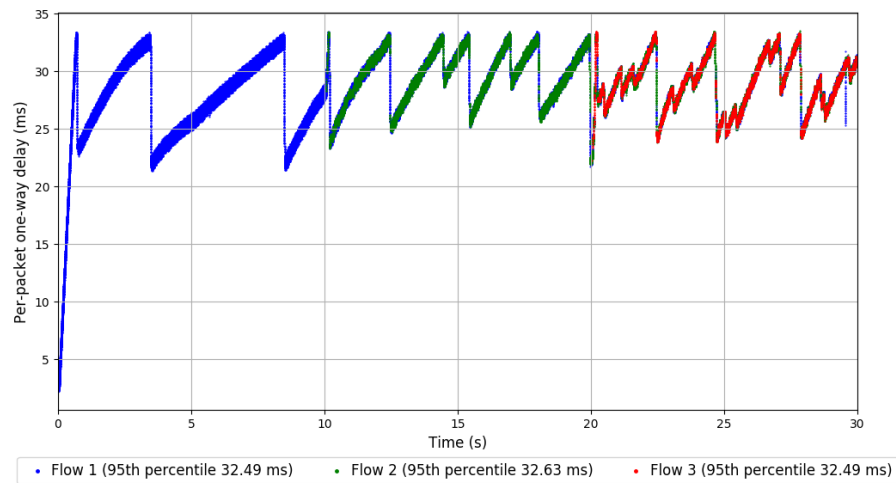
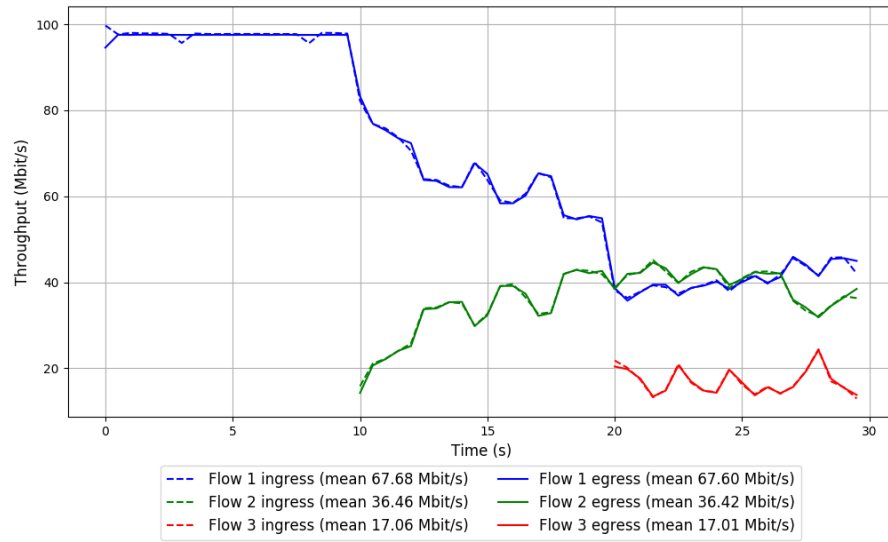


Run 3: Statistics of TCP Cubic

Start at: 2018-03-21 04:05:43
End at: 2018-03-21 04:06:13
Local clock offset: -3.722 ms
Remote clock offset: -5.612 ms

Below is generated by plot.py at 2018-03-21 07:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.518 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 67.60 Mbit/s
95th percentile per-packet one-way delay: 32.491 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.42 Mbit/s
95th percentile per-packet one-way delay: 32.635 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 32.493 ms
Loss rate: 0.18%

Run 3: Report of TCP Cubic — Data Link

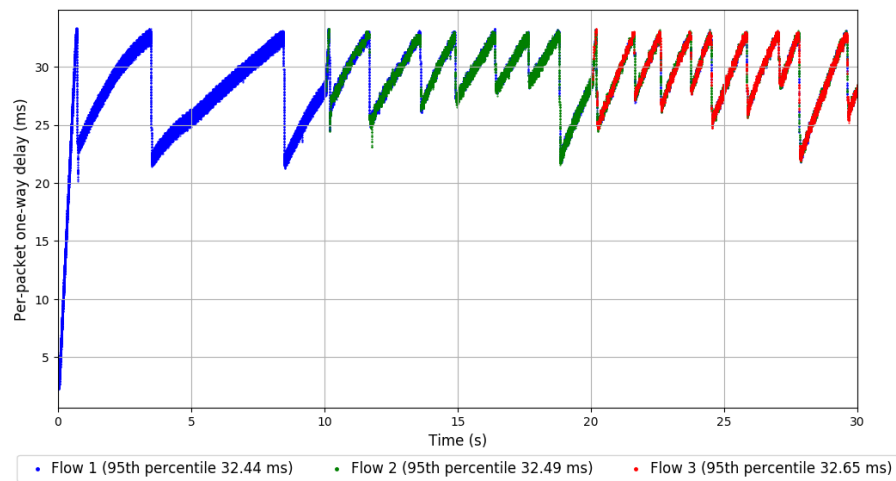
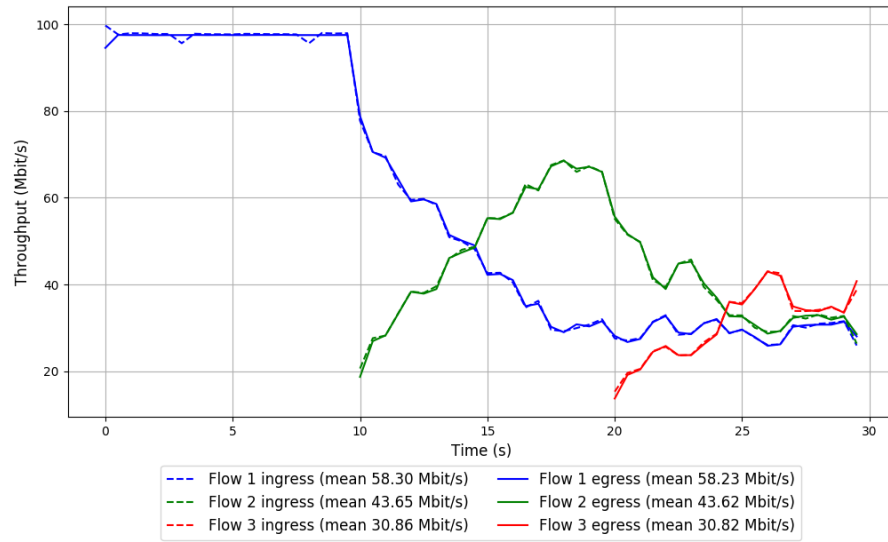


Run 4: Statistics of TCP Cubic

Start at: 2018-03-21 04:26:16
End at: 2018-03-21 04:26:46
Local clock offset: -3.429 ms
Remote clock offset: -5.999 ms

Below is generated by plot.py at 2018-03-21 07:04:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.480 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: 32.444 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 32.495 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 32.650 ms
Loss rate: 0.14%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-03-21 04:46:48

End at: 2018-03-21 04:47:18

Local clock offset: -4.839 ms

Remote clock offset: -2.07 ms

Below is generated by plot.py at 2018-03-21 07:04:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.528 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 64.41 Mbit/s

95th percentile per-packet one-way delay: 32.477 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 43.61 Mbit/s

95th percentile per-packet one-way delay: 32.706 ms

Loss rate: 0.06%

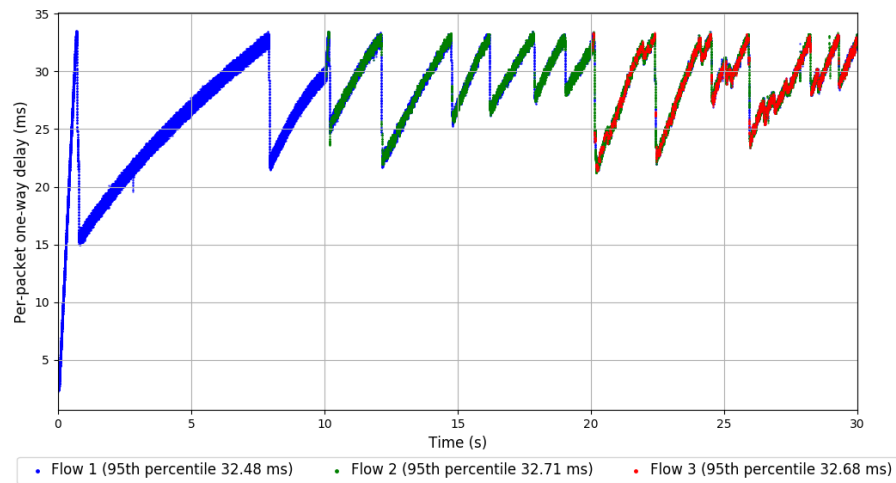
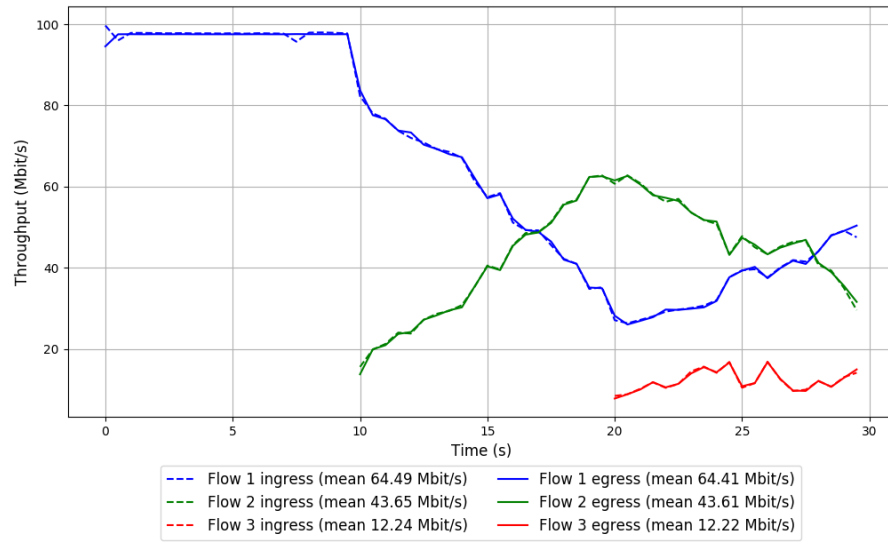
-- Flow 3:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 32.680 ms

Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-03-21 05:07:18

End at: 2018-03-21 05:07:48

Local clock offset: -4.951 ms

Remote clock offset: 6.852 ms

Below is generated by plot.py at 2018-03-21 07:04:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.48 Mbit/s

95th percentile per-packet one-way delay: 32.233 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 69.23 Mbit/s

95th percentile per-packet one-way delay: 32.221 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.78 Mbit/s

95th percentile per-packet one-way delay: 32.266 ms

Loss rate: 0.08%

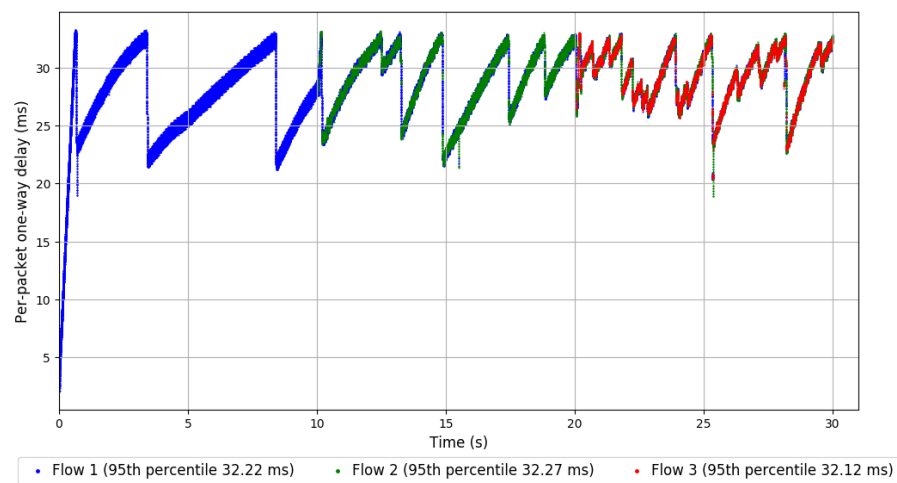
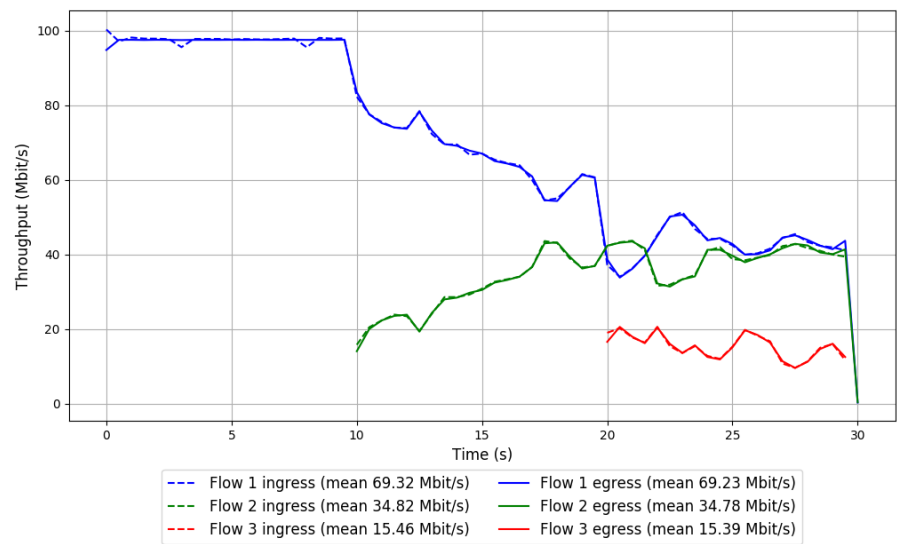
-- Flow 3:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 32.120 ms

Loss rate: 0.37%

Run 6: Report of TCP Cubic — Data Link

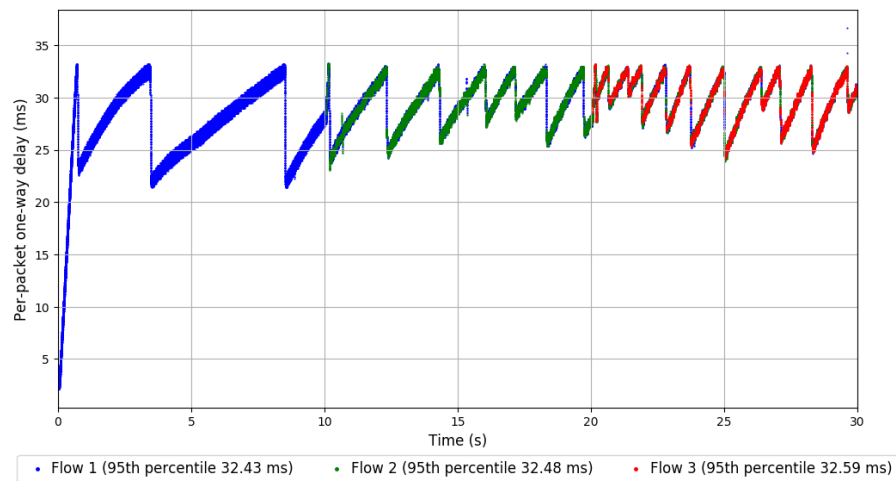
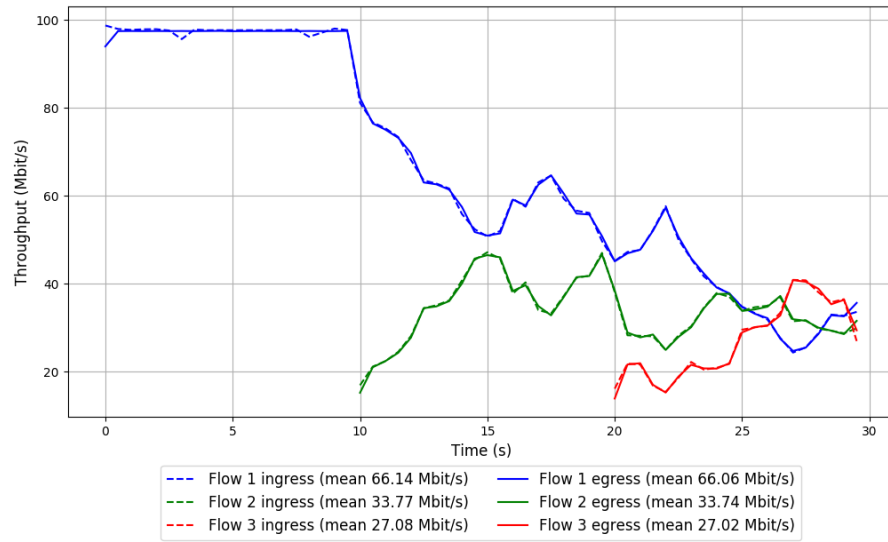


Run 7: Statistics of TCP Cubic

Start at: 2018-03-21 05:27:50
End at: 2018-03-21 05:28:20
Local clock offset: -4.844 ms
Remote clock offset: 15.207 ms

Below is generated by plot.py at 2018-03-21 07:05:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.450 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 32.428 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.74 Mbit/s
95th percentile per-packet one-way delay: 32.485 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 32.589 ms
Loss rate: 0.21%

Run 7: Report of TCP Cubic — Data Link

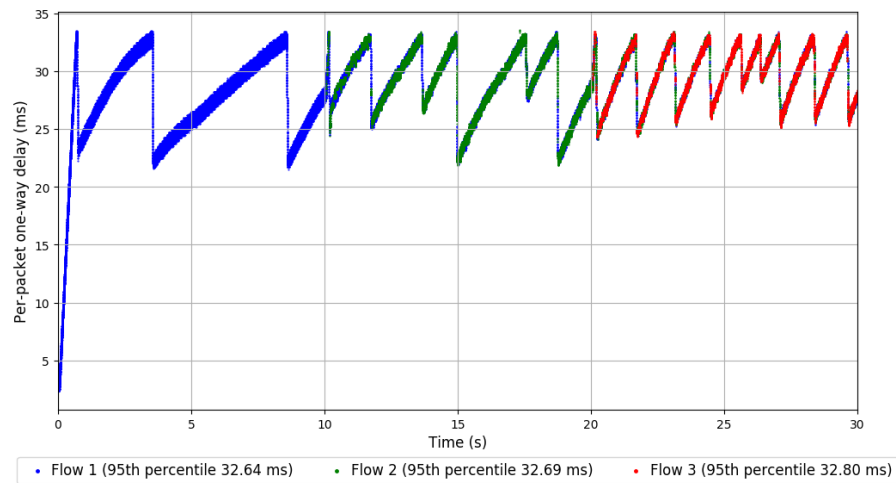
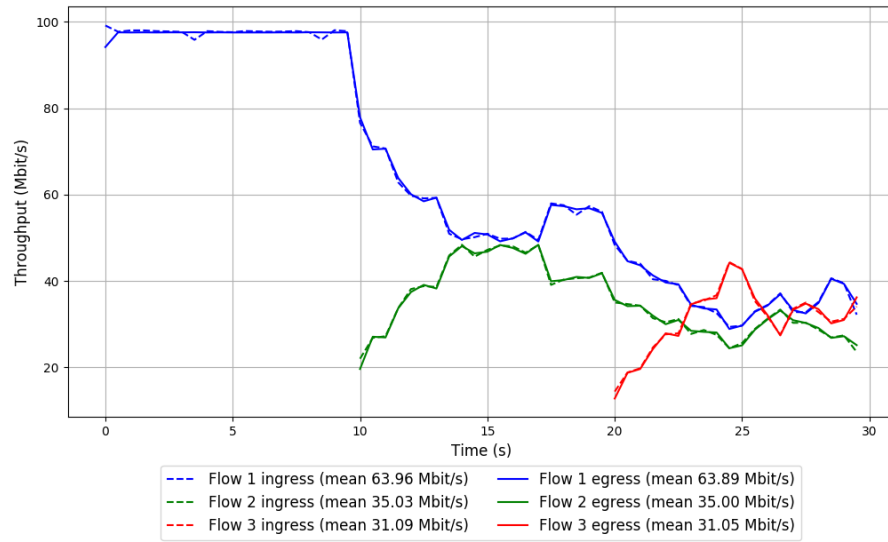


Run 8: Statistics of TCP Cubic

Start at: 2018-03-21 05:48:22
End at: 2018-03-21 05:48:52
Local clock offset: -3.977 ms
Remote clock offset: 20.814 ms

Below is generated by plot.py at 2018-03-21 07:05:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.89 Mbit/s
95th percentile per-packet one-way delay: 32.640 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 32.693 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 32.803 ms
Loss rate: 0.13%

Run 8: Report of TCP Cubic — Data Link

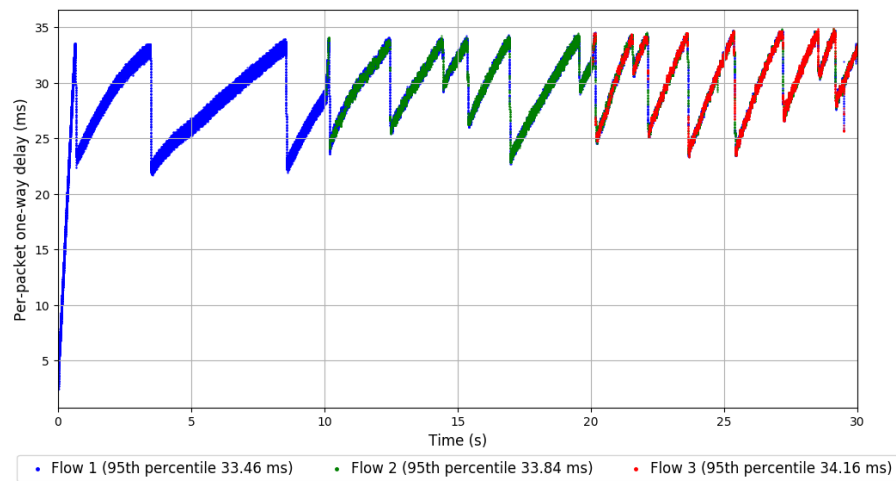
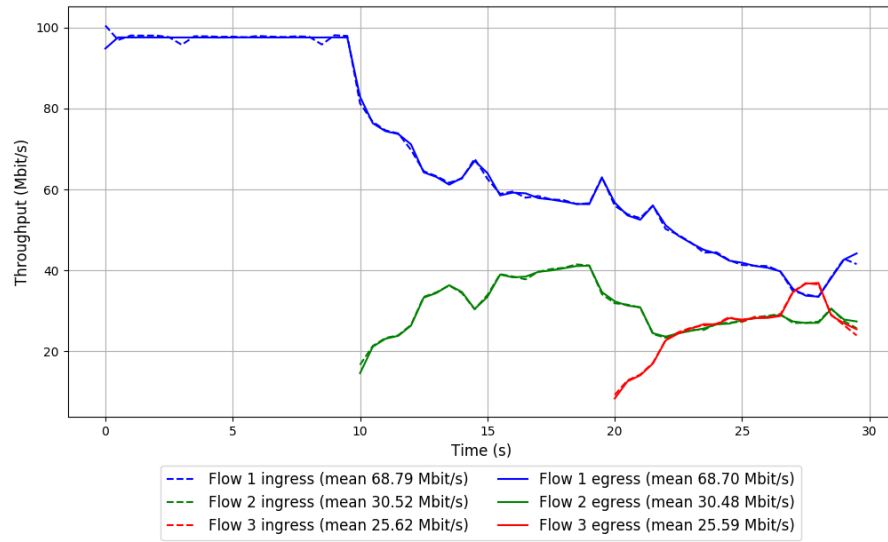


Run 9: Statistics of TCP Cubic

Start at: 2018-03-21 06:08:54
End at: 2018-03-21 06:09:24
Local clock offset: -3.43 ms
Remote clock offset: 18.749 ms

Below is generated by plot.py at 2018-03-21 07:05:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.659 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 33.460 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.48 Mbit/s
95th percentile per-packet one-way delay: 33.837 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 25.59 Mbit/s
95th percentile per-packet one-way delay: 34.163 ms
Loss rate: 0.08%

Run 9: Report of TCP Cubic — Data Link

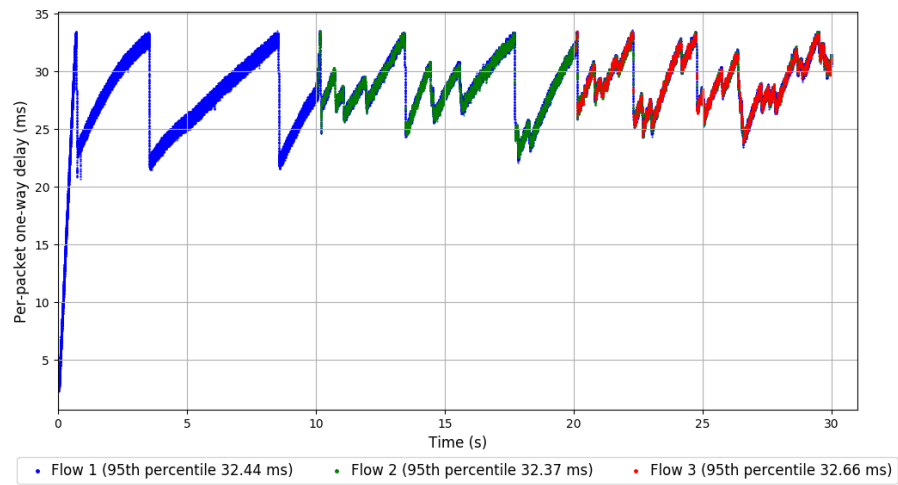
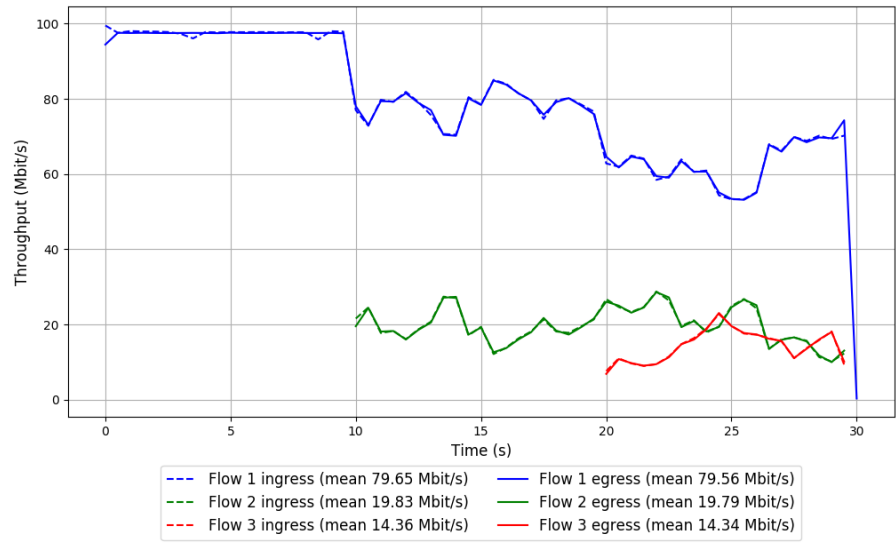


Run 10: Statistics of TCP Cubic

Start at: 2018-03-21 06:29:27
End at: 2018-03-21 06:29:57
Local clock offset: -5.752 ms
Remote clock offset: -6.826 ms

Below is generated by plot.py at 2018-03-21 07:05:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 32.431 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 32.440 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 19.79 Mbit/s
95th percentile per-packet one-way delay: 32.365 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 14.34 Mbit/s
95th percentile per-packet one-way delay: 32.657 ms
Loss rate: 0.15%

Run 10: Report of TCP Cubic — Data Link

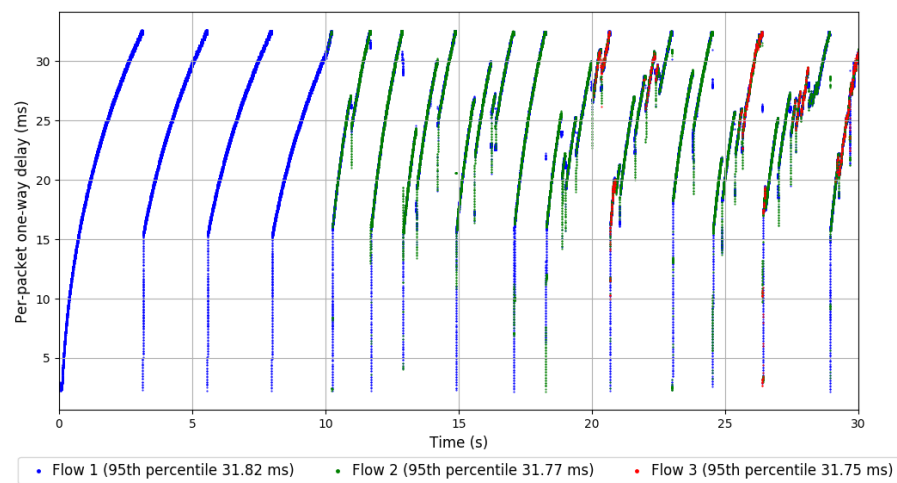
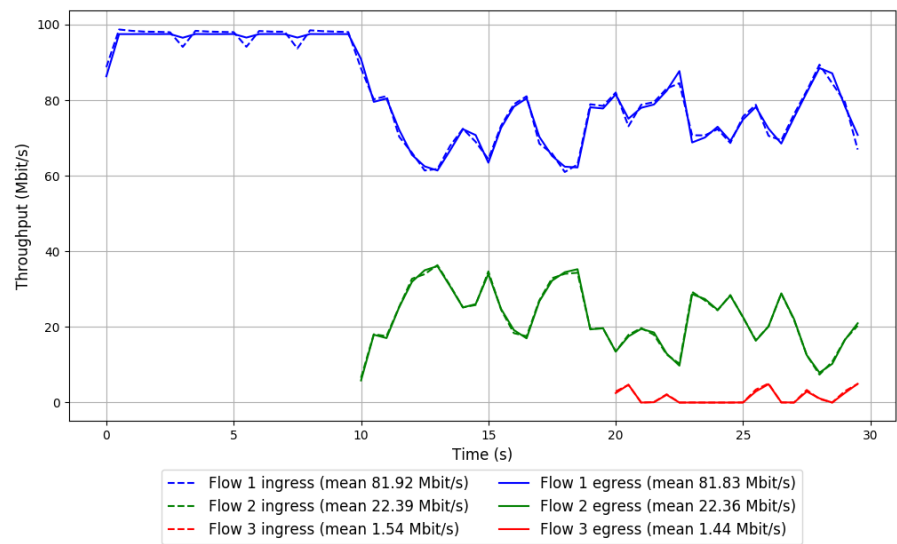


Run 1: Statistics of LEDBAT

Start at: 2018-03-21 03:26:50
End at: 2018-03-21 03:27:20
Local clock offset: -3.449 ms
Remote clock offset: -2.896 ms

Below is generated by plot.py at 2018-03-21 07:05:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 31.815 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 31.822 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: 31.768 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.749 ms
Loss rate: 6.13%

Run 1: Report of LEDBAT — Data Link

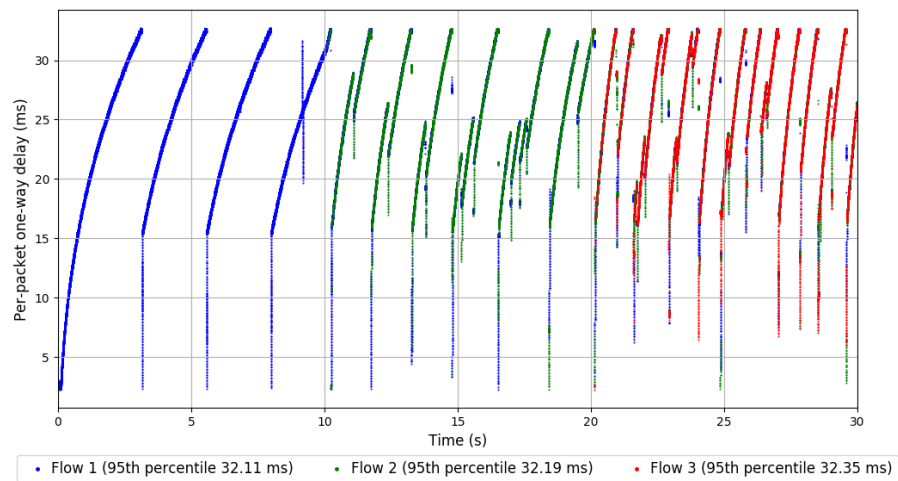
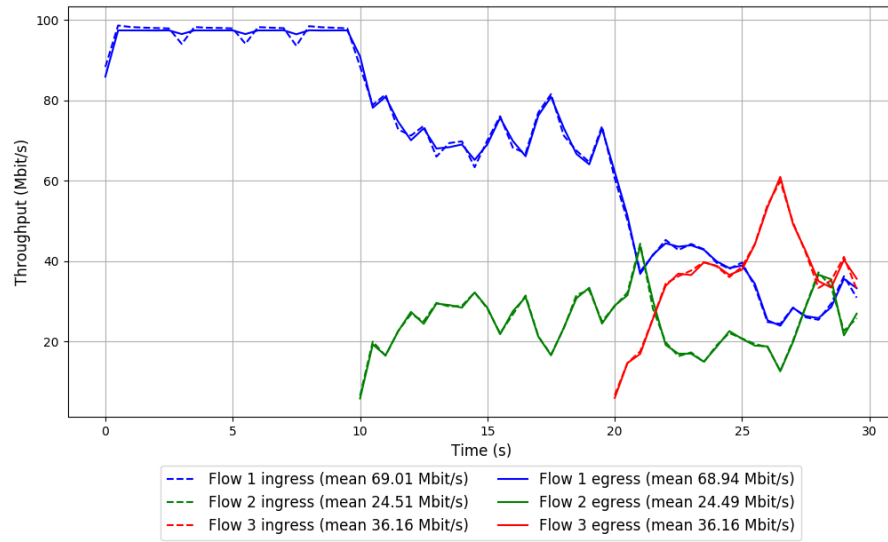


Run 2: Statistics of LEDBAT

Start at: 2018-03-21 03:47:23
End at: 2018-03-21 03:47:53
Local clock offset: -4.012 ms
Remote clock offset: -0.501 ms

Below is generated by plot.py at 2018-03-21 07:05:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.154 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 68.94 Mbit/s
95th percentile per-packet one-way delay: 32.111 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 32.193 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 32.354 ms
Loss rate: 0.06%

Run 2: Report of LEDBAT — Data Link

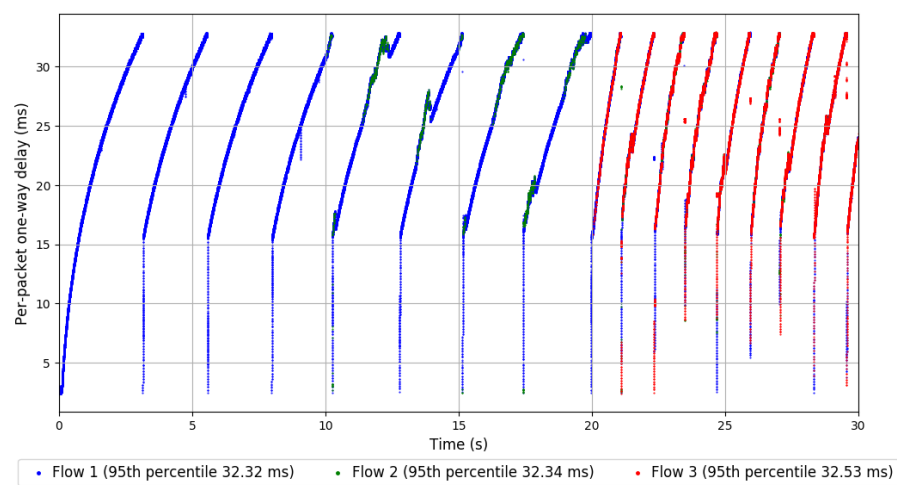
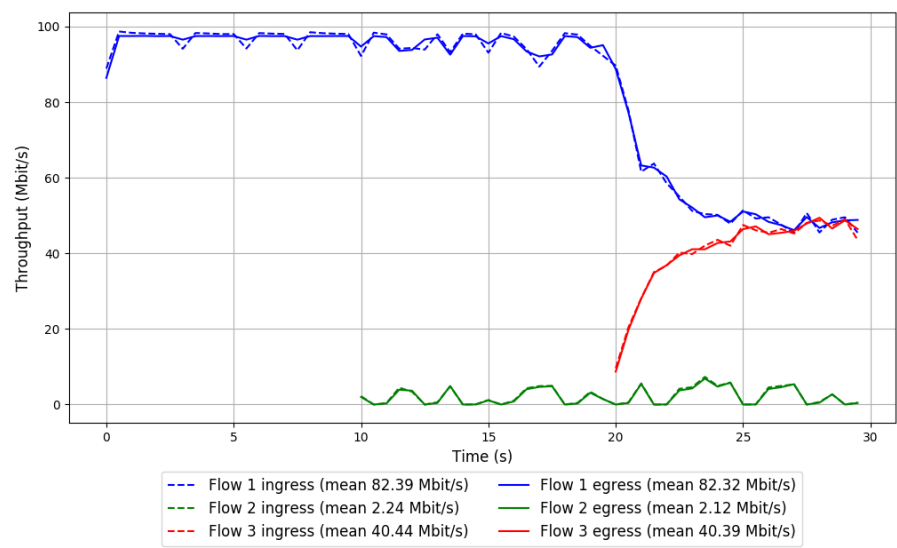


Run 3: Statistics of LEDBAT

Start at: 2018-03-21 04:07:55
End at: 2018-03-21 04:08:25
Local clock offset: -3.75 ms
Remote clock offset: -5.781 ms

Below is generated by plot.py at 2018-03-21 07:05:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 32.337 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 32.322 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 32.341 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 40.39 Mbit/s
95th percentile per-packet one-way delay: 32.528 ms
Loss rate: 0.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-03-21 04:28:28

End at: 2018-03-21 04:28:58

Local clock offset: -3.392 ms

Remote clock offset: -5.12 ms

Below is generated by plot.py at 2018-03-21 07:05:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 32.122 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 63.38 Mbit/s

95th percentile per-packet one-way delay: 32.048 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 32.188 ms

Loss rate: 0.06%

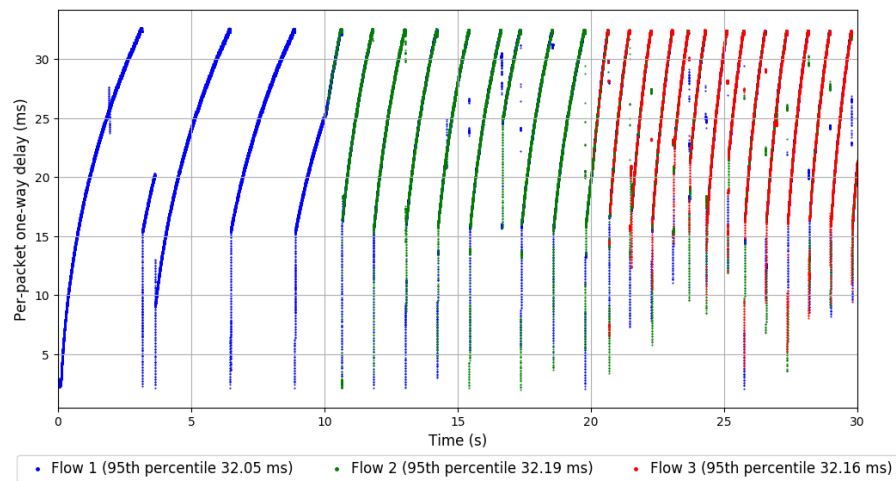
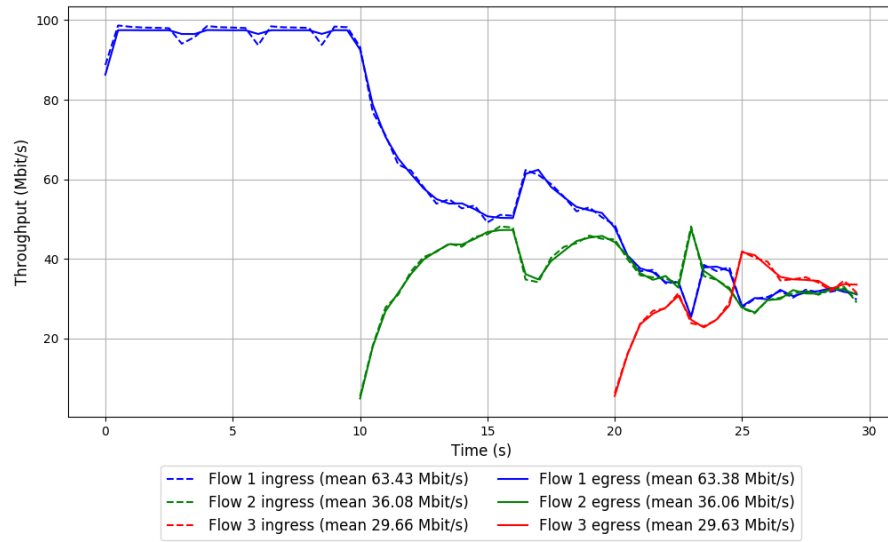
-- Flow 3:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 32.164 ms

Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-03-21 04:49:01

End at: 2018-03-21 04:49:31

Local clock offset: -4.852 ms

Remote clock offset: -1.97 ms

Below is generated by plot.py at 2018-03-21 07:07:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 32.062 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 82.70 Mbit/s

95th percentile per-packet one-way delay: 32.048 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 31.297 ms

Loss rate: 6.19%

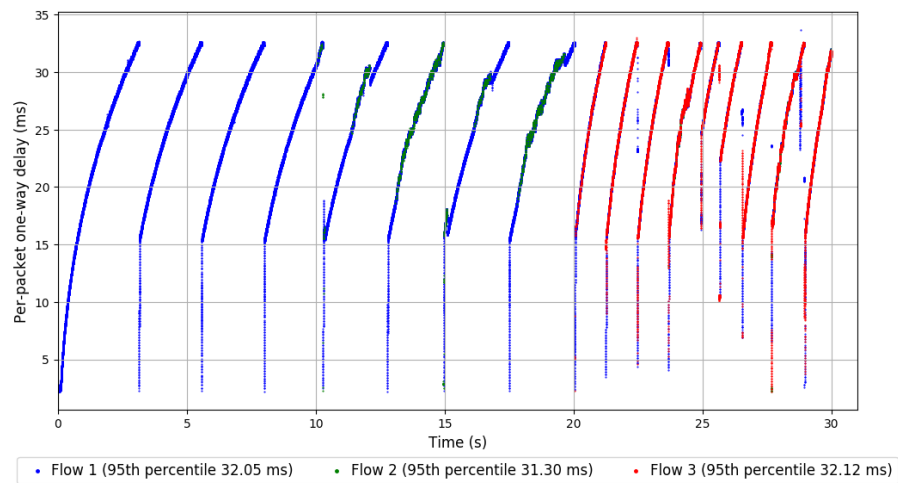
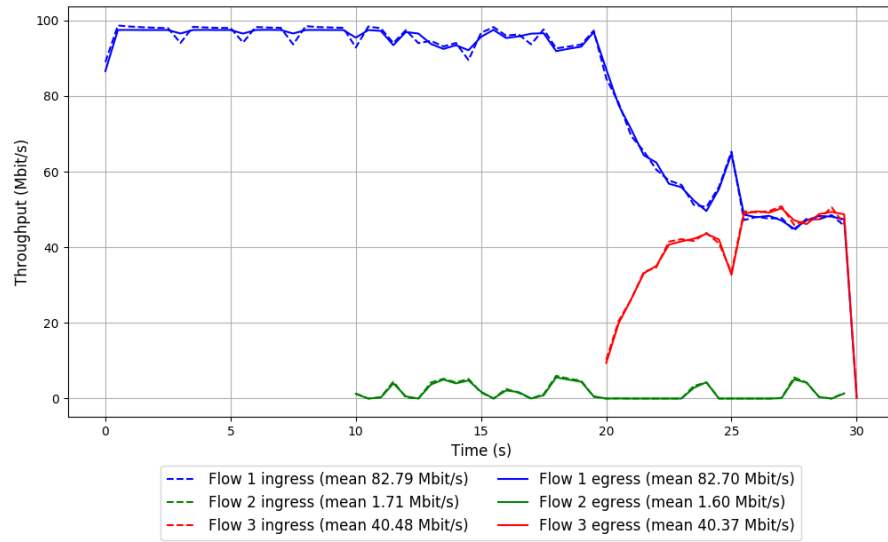
-- Flow 3:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 32.124 ms

Loss rate: 0.04%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-03-21 05:09:30

End at: 2018-03-21 05:10:00

Local clock offset: -4.908 ms

Remote clock offset: 8.26 ms

Below is generated by plot.py at 2018-03-21 07:07:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 31.983 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 63.70 Mbit/s

95th percentile per-packet one-way delay: 31.950 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 35.31 Mbit/s

95th percentile per-packet one-way delay: 32.054 ms

Loss rate: 0.07%

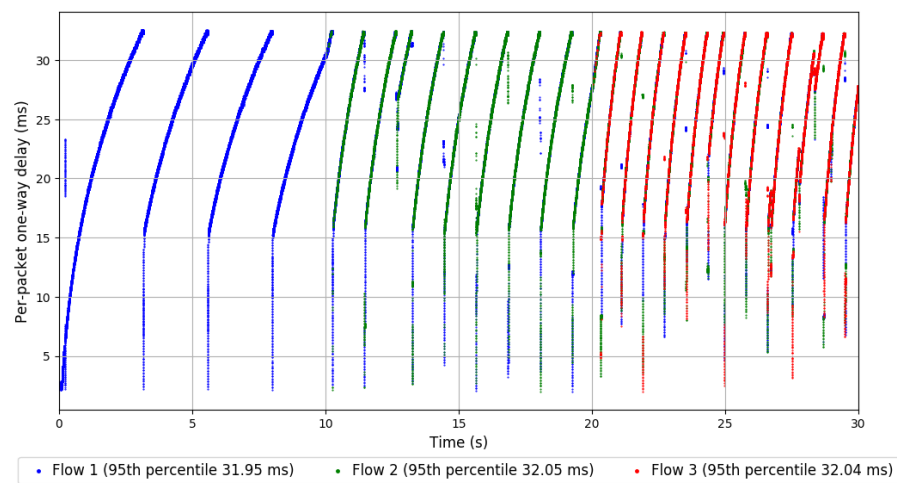
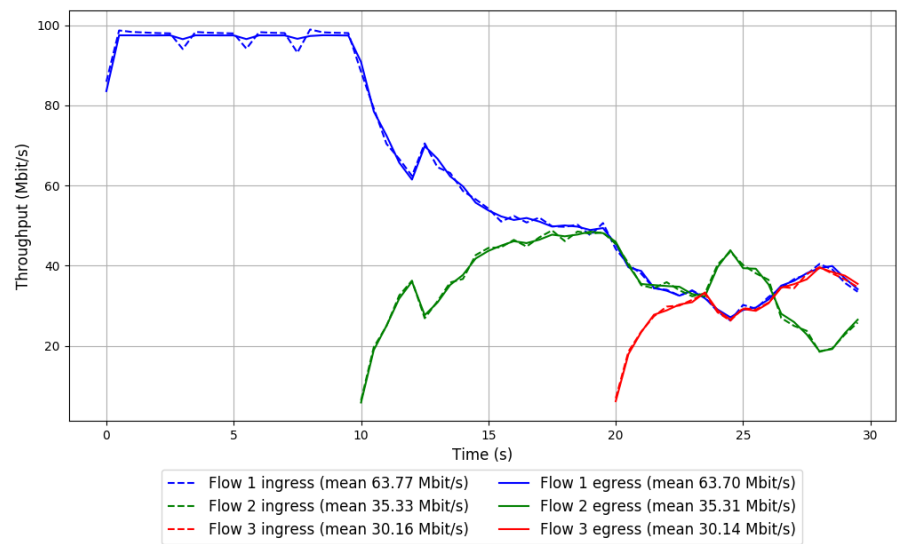
-- Flow 3:

Average throughput: 30.14 Mbit/s

95th percentile per-packet one-way delay: 32.041 ms

Loss rate: 0.07%

Run 6: Report of LEDBAT — Data Link

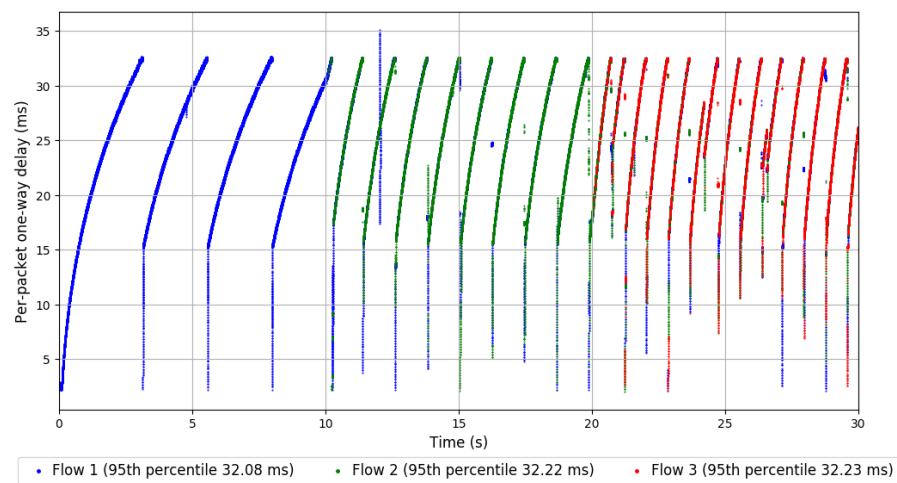
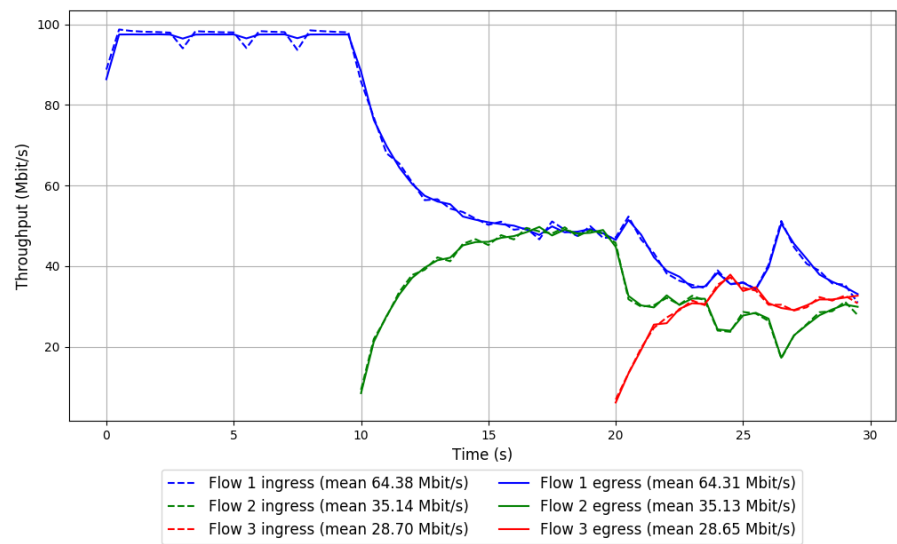


Run 7: Statistics of LEDBAT

Start at: 2018-03-21 05:30:02
End at: 2018-03-21 05:30:32
Local clock offset: -4.871 ms
Remote clock offset: 15.913 ms

Below is generated by plot.py at 2018-03-21 07:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.117 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.31 Mbit/s
95th percentile per-packet one-way delay: 32.076 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.13 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 32.230 ms
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

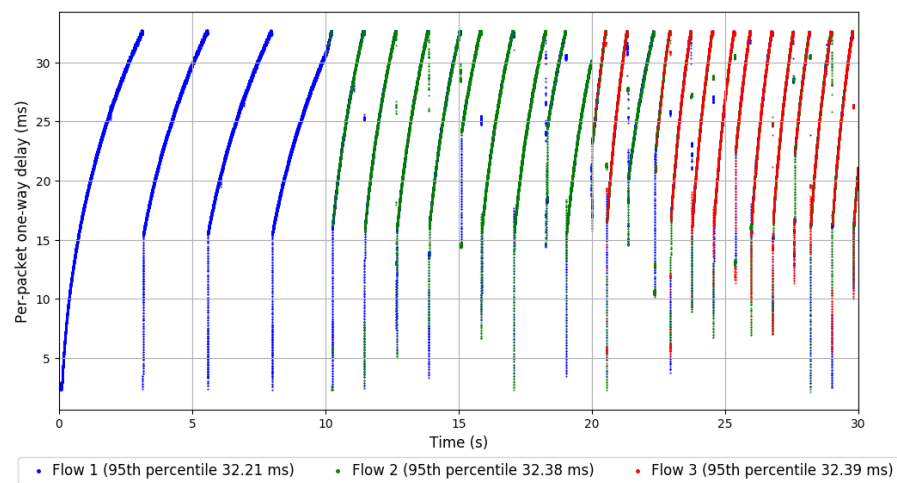
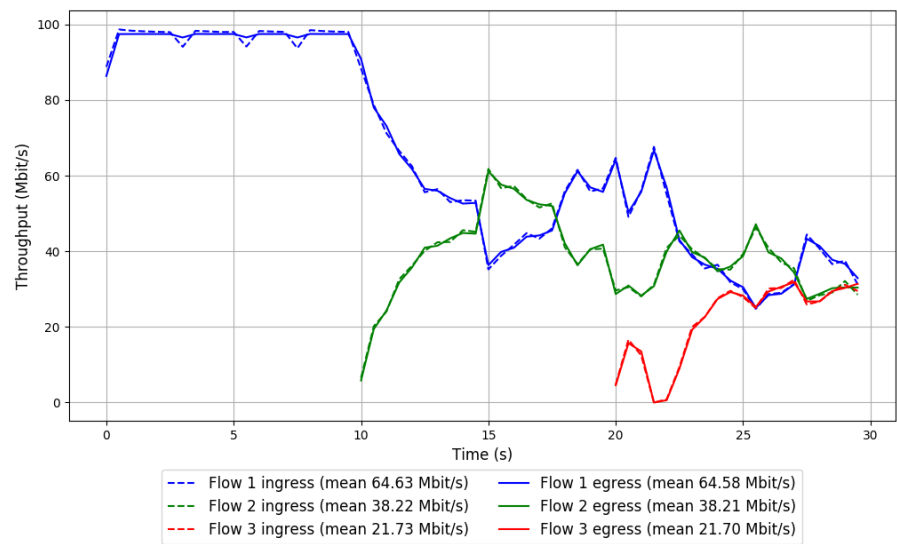


Run 8: Statistics of LEDBAT

Start at: 2018-03-21 05:50:35
End at: 2018-03-21 05:51:05
Local clock offset: -3.92 ms
Remote clock offset: 21.367 ms

Below is generated by plot.py at 2018-03-21 07:07:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 32.295 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 32.206 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 32.381 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 21.70 Mbit/s
95th percentile per-packet one-way delay: 32.393 ms
Loss rate: 0.12%

Run 8: Report of LEDBAT — Data Link

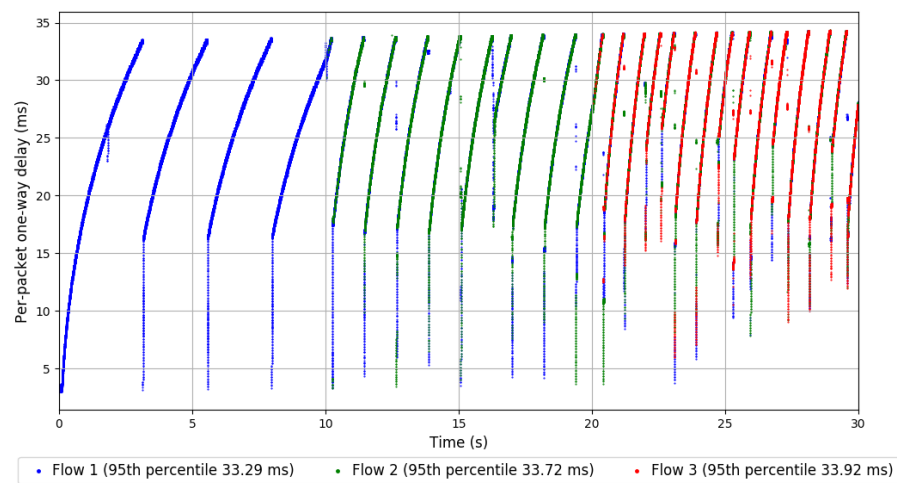
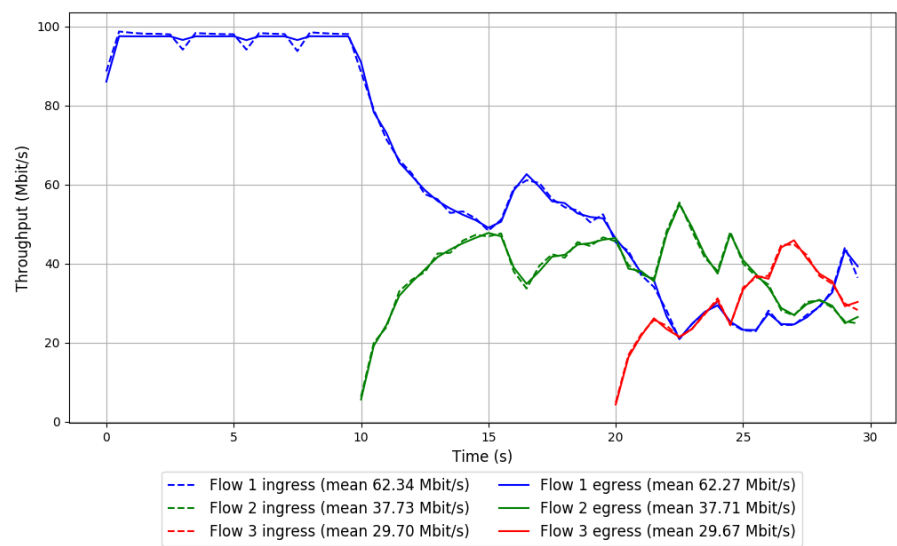


Run 9: Statistics of LEDBAT

Start at: 2018-03-21 06:11:06
End at: 2018-03-21 06:11:36
Local clock offset: -3.388 ms
Remote clock offset: 13.754 ms

Below is generated by plot.py at 2018-03-21 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.19 Mbit/s
95th percentile per-packet one-way delay: 33.505 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 33.290 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 33.718 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.67 Mbit/s
95th percentile per-packet one-way delay: 33.924 ms
Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link

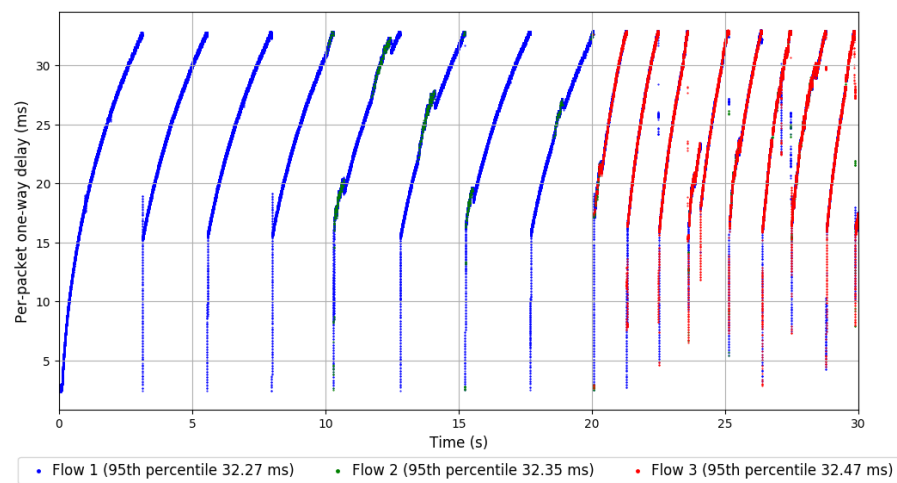
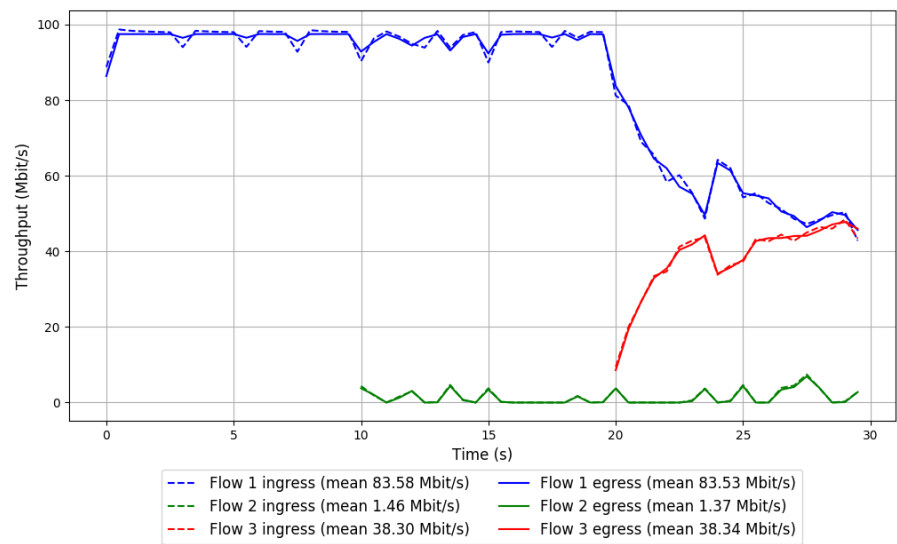


Run 10: Statistics of LEDBAT

Start at: 2018-03-21 06:31:39
End at: 2018-03-21 06:32:09
Local clock offset: -5.858 ms
Remote clock offset: -7.809 ms

Below is generated by plot.py at 2018-03-21 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 32.306 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 83.53 Mbit/s
95th percentile per-packet one-way delay: 32.269 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.37 Mbit/s
95th percentile per-packet one-way delay: 32.355 ms
Loss rate: 6.24%
-- Flow 3:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 32.470 ms
Loss rate: 0.04%

Run 10: Report of LEDBAT — Data Link

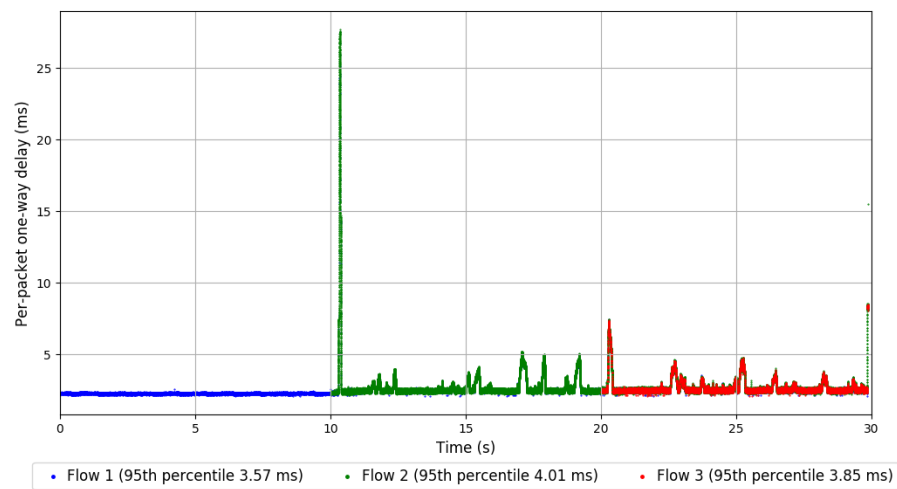
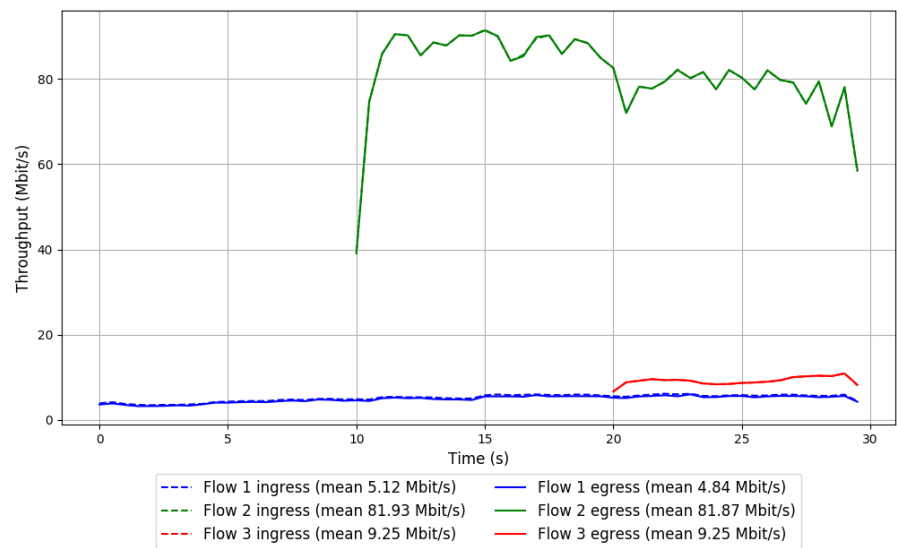


Run 1: Statistics of PCC

Start at: 2018-03-21 03:10:57
End at: 2018-03-21 03:11:27
Local clock offset: -2.914 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-03-21 07:07:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 3.569 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 81.87 Mbit/s
95th percentile per-packet one-way delay: 4.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 3.847 ms
Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-03-21 03:31:29

End at: 2018-03-21 03:31:59

Local clock offset: -3.858 ms

Remote clock offset: -2.09 ms

Below is generated by plot.py at 2018-03-21 07:07:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.81 Mbit/s

95th percentile per-packet one-way delay: 19.040 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 17.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 21.052 ms

Loss rate: 0.12%

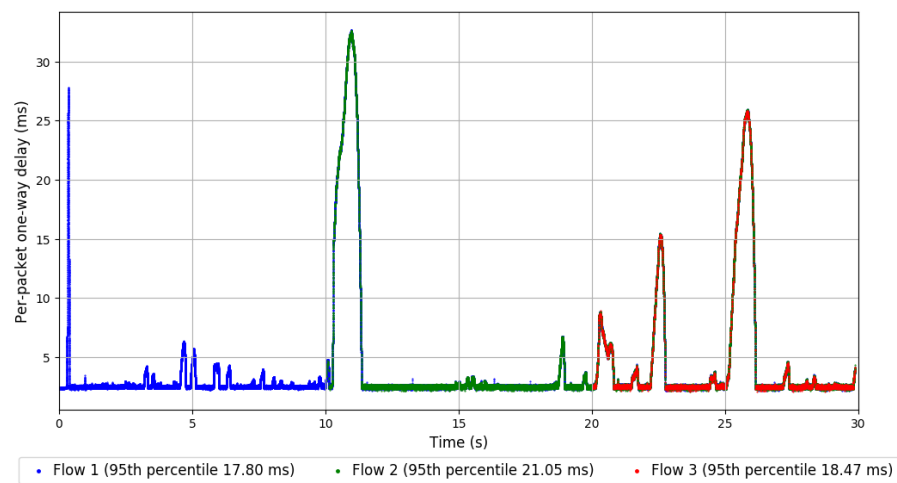
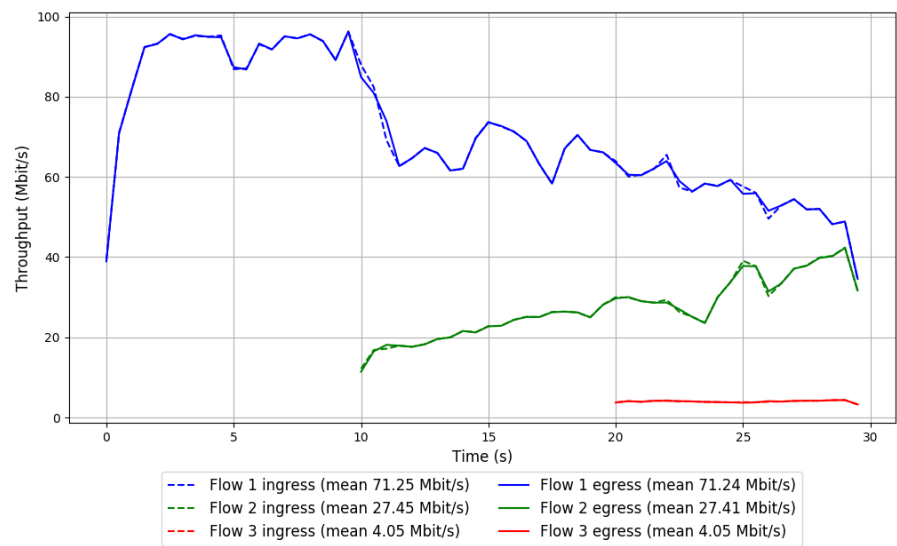
-- Flow 3:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 18.466 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link

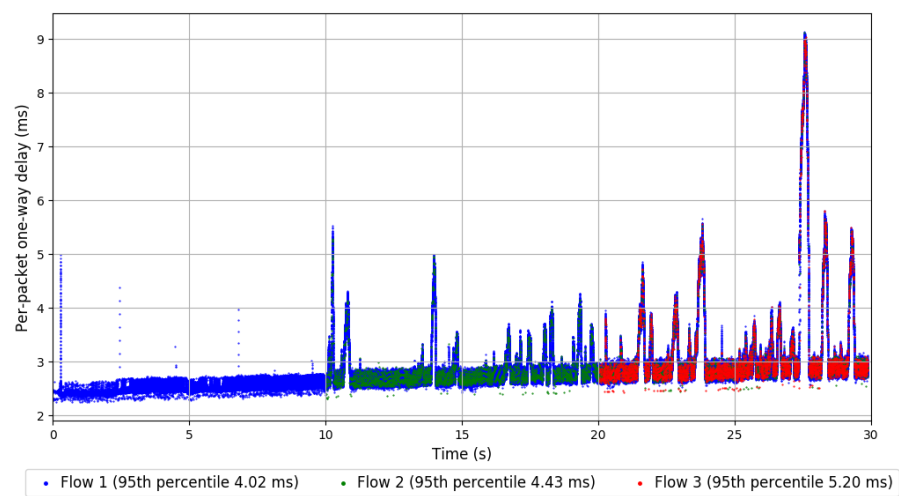
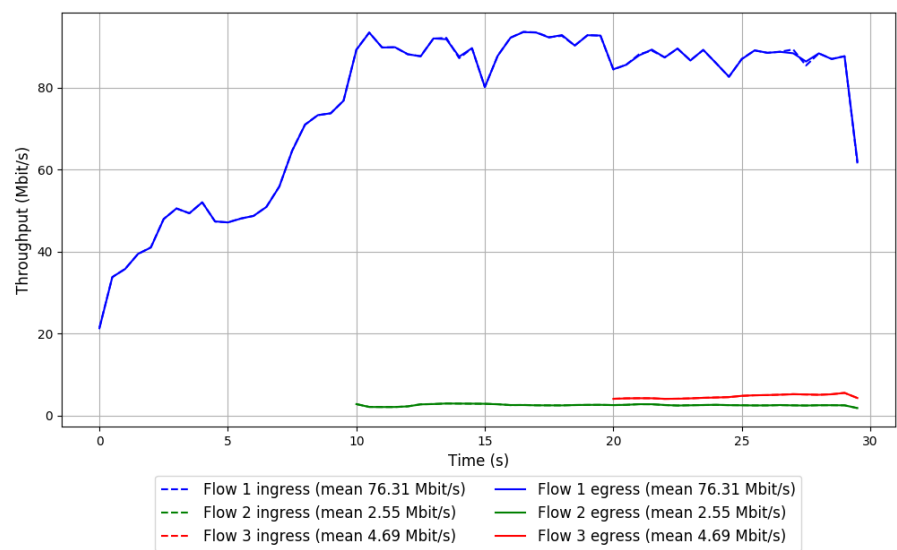


Run 3: Statistics of PCC

Start at: 2018-03-21 03:52:02
End at: 2018-03-21 03:52:32
Local clock offset: -3.967 ms
Remote clock offset: -1.364 ms

Below is generated by plot.py at 2018-03-21 07:08:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 4.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 4.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 4.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.69 Mbit/s
95th percentile per-packet one-way delay: 5.204 ms
Loss rate: 0.05%

Run 3: Report of PCC — Data Link

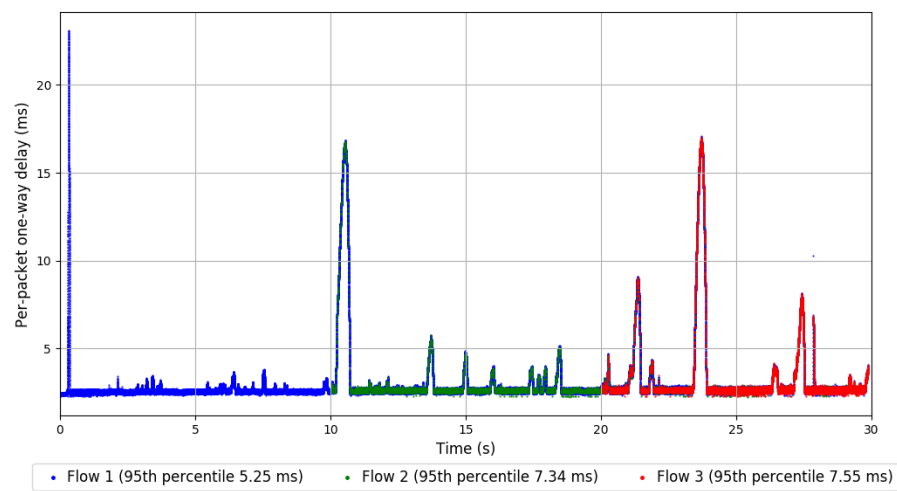
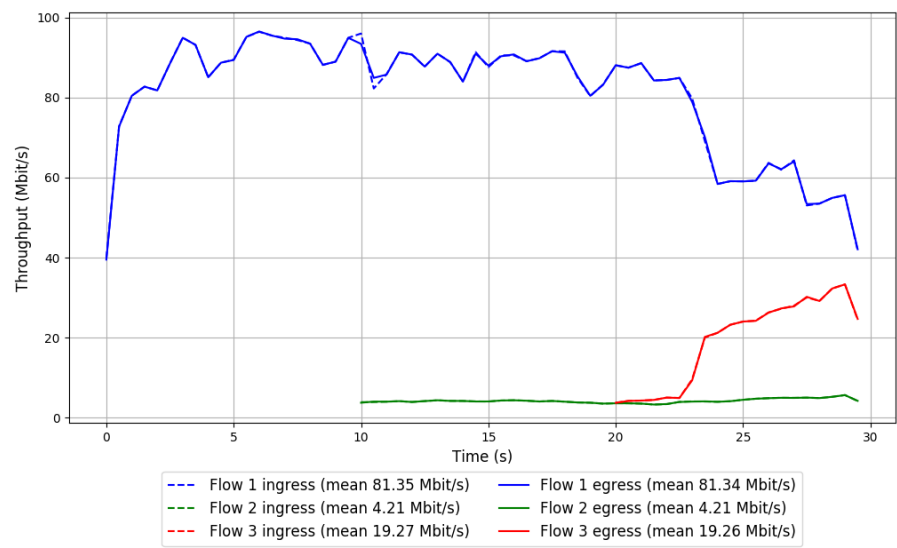


Run 4: Statistics of PCC

Start at: 2018-03-21 04:12:35
End at: 2018-03-21 04:13:05
Local clock offset: -3.68 ms
Remote clock offset: -6.228 ms

Below is generated by plot.py at 2018-03-21 07:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.49 Mbit/s
95th percentile per-packet one-way delay: 5.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.34 Mbit/s
95th percentile per-packet one-way delay: 5.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 7.345 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 7.548 ms
Loss rate: 0.00%

Run 4: Report of PCC — Data Link

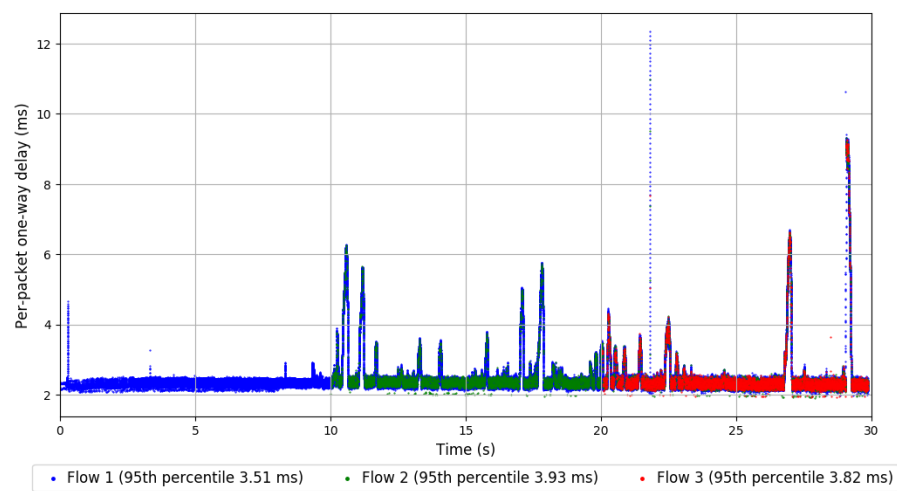
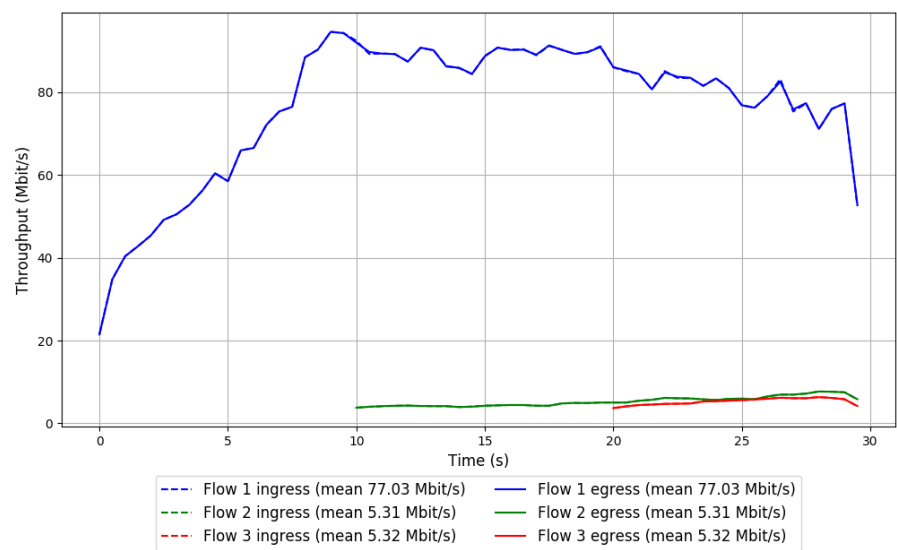


Run 5: Statistics of PCC

Start at: 2018-03-21 04:33:07
End at: 2018-03-21 04:33:37
Local clock offset: -4.009 ms
Remote clock offset: -3.847 ms

Below is generated by plot.py at 2018-03-21 07:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.31 Mbit/s
95th percentile per-packet one-way delay: 3.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 3.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.31 Mbit/s
95th percentile per-packet one-way delay: 3.933 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 3.818 ms
Loss rate: 0.02%

Run 5: Report of PCC — Data Link

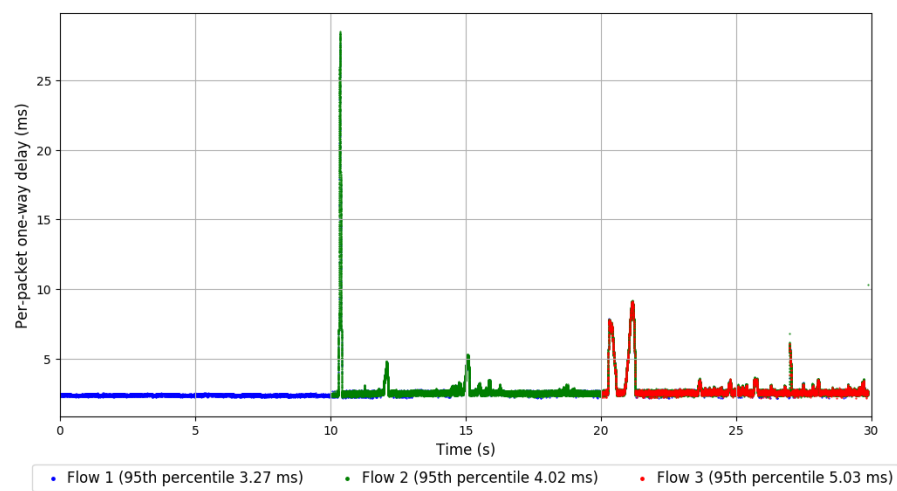
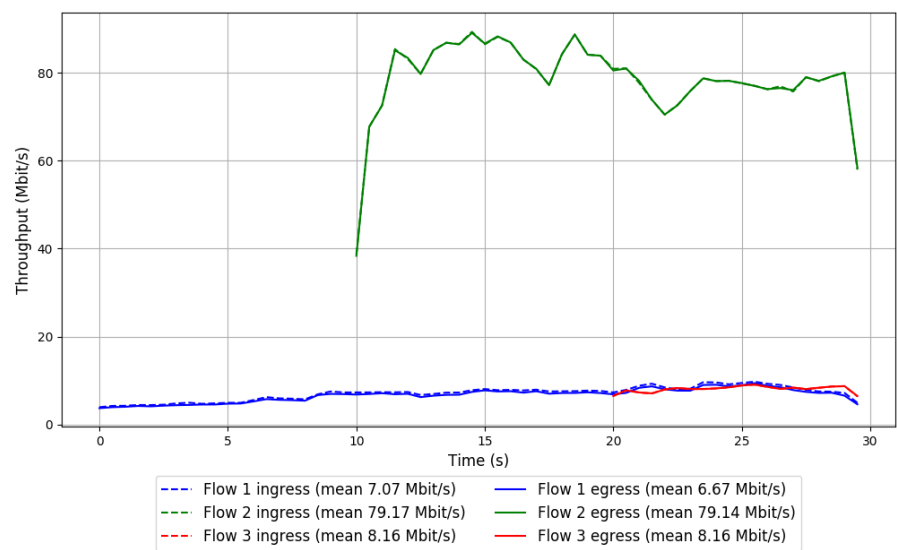


Run 6: Statistics of PCC

Start at: 2018-03-21 04:53:39
End at: 2018-03-21 04:54:09
Local clock offset: -4.986 ms
Remote clock offset: -1.609 ms

Below is generated by plot.py at 2018-03-21 07:08:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 3.923 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 6.67 Mbit/s
95th percentile per-packet one-way delay: 3.270 ms
Loss rate: 5.57%
-- Flow 2:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 4.020 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.16 Mbit/s
95th percentile per-packet one-way delay: 5.031 ms
Loss rate: 0.00%

Run 6: Report of PCC — Data Link

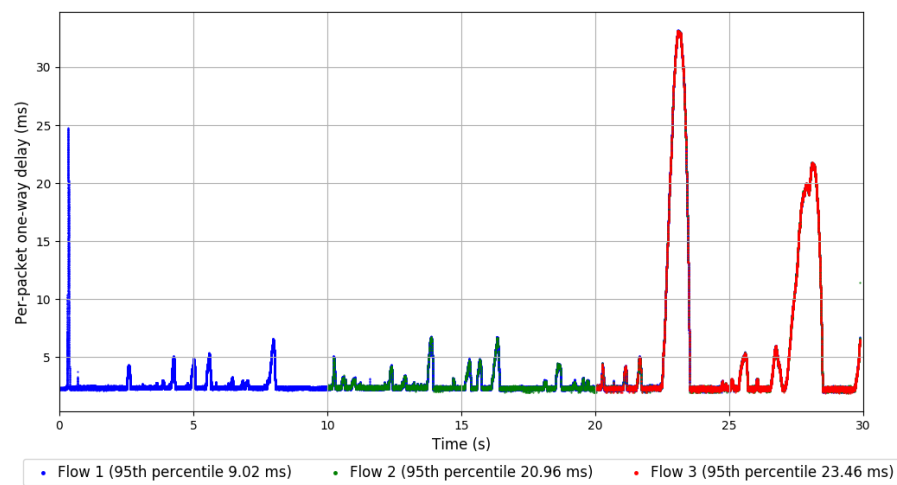
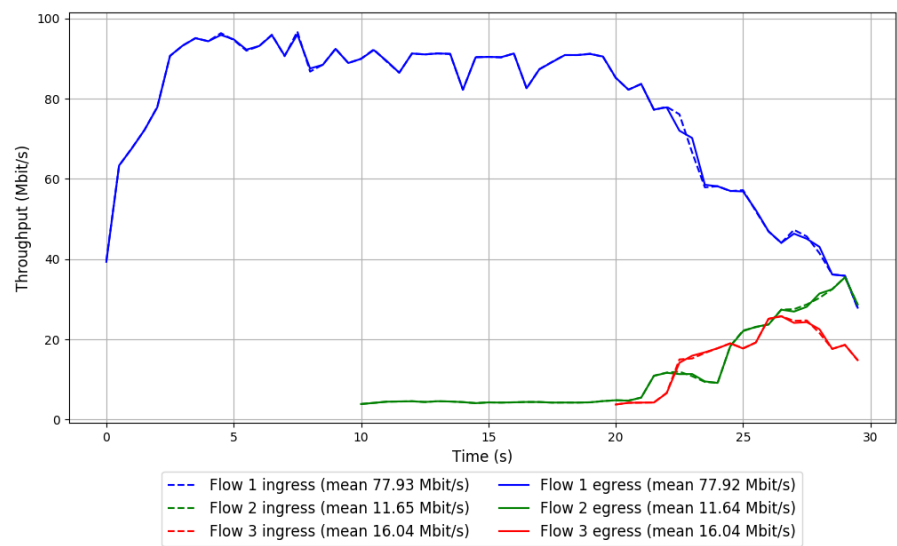


Run 7: Statistics of PCC

Start at: 2018-03-21 05:14:09
End at: 2018-03-21 05:14:39
Local clock offset: -4.89 ms
Remote clock offset: 10.624 ms

Below is generated by plot.py at 2018-03-21 07:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.93 Mbit/s
95th percentile per-packet one-way delay: 17.377 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.92 Mbit/s
95th percentile per-packet one-way delay: 9.019 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 20.962 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 23.462 ms
Loss rate: 0.00%

Run 7: Report of PCC — Data Link

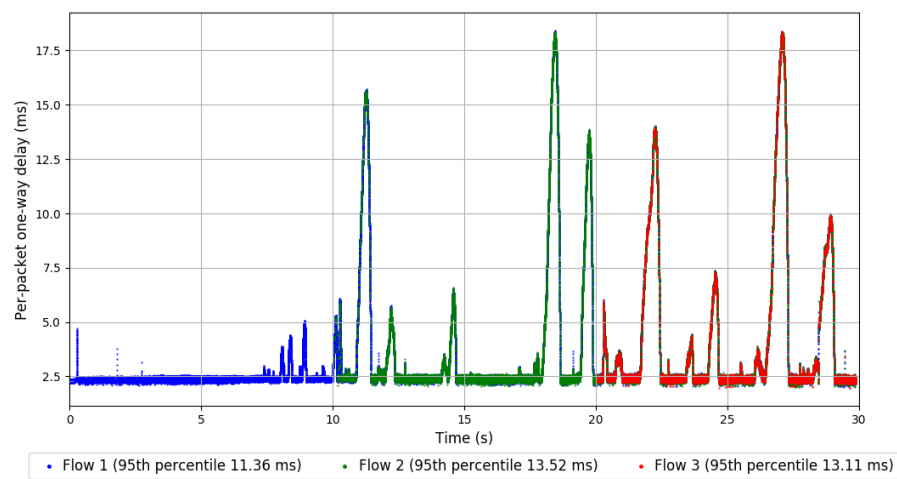
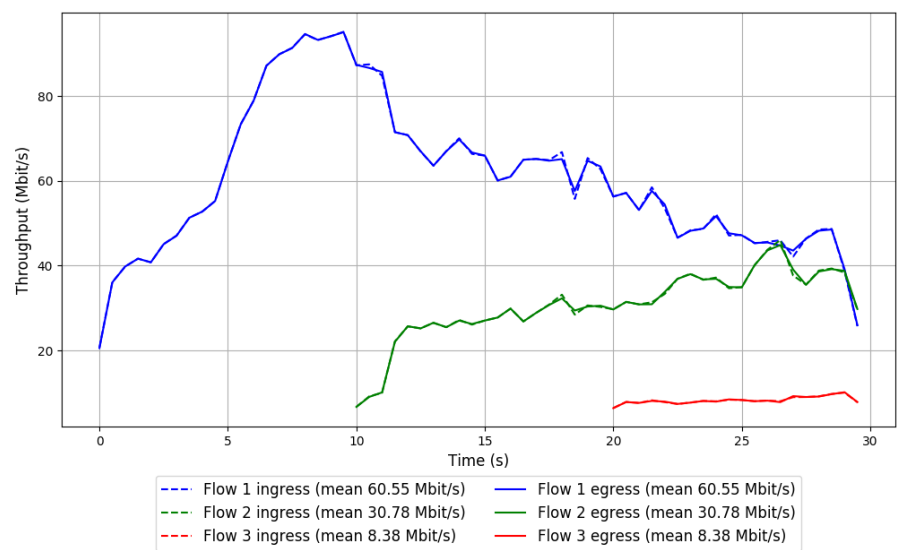


Run 8: Statistics of PCC

Start at: 2018-03-21 05:34:41
End at: 2018-03-21 05:35:11
Local clock offset: -4.913 ms
Remote clock offset: 17.197 ms

Below is generated by plot.py at 2018-03-21 07:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.79 Mbit/s
95th percentile per-packet one-way delay: 12.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 11.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 13.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.38 Mbit/s
95th percentile per-packet one-way delay: 13.106 ms
Loss rate: 0.00%

Run 8: Report of PCC — Data Link

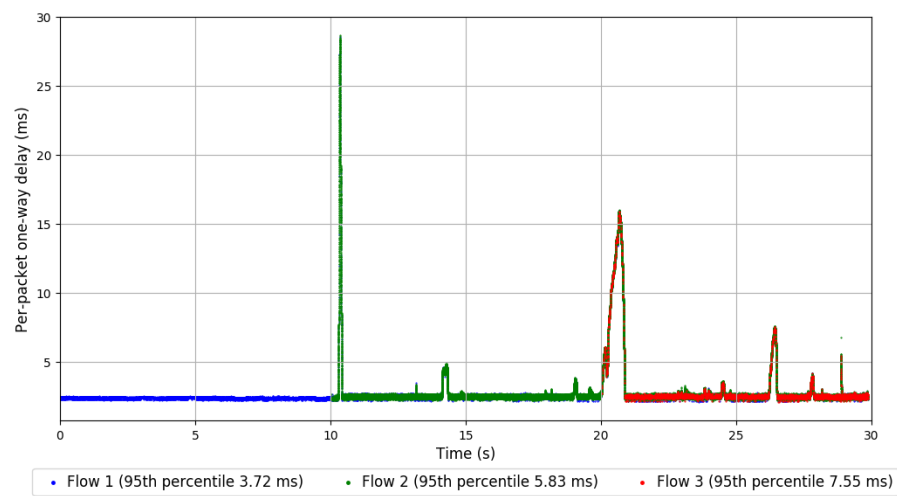
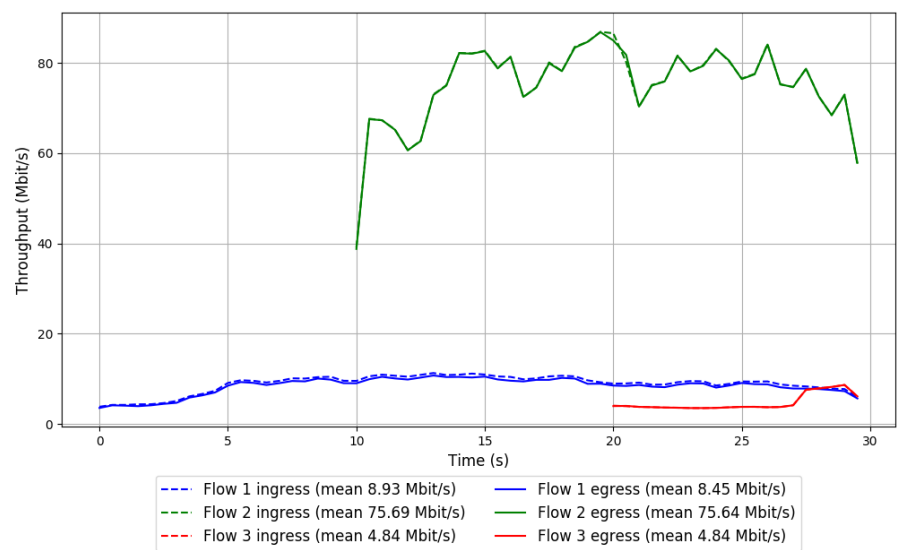


Run 9: Statistics of PCC

Start at: 2018-03-21 05:55:14
End at: 2018-03-21 05:55:44
Local clock offset: -3.789 ms
Remote clock offset: 22.53 ms

Below is generated by plot.py at 2018-03-21 07:08:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.34 Mbit/s
95th percentile per-packet one-way delay: 5.553 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 3.723 ms
Loss rate: 5.40%
-- Flow 2:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 5.833 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.84 Mbit/s
95th percentile per-packet one-way delay: 7.551 ms
Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-03-21 06:15:46

End at: 2018-03-21 06:16:16

Local clock offset: -4.355 ms

Remote clock offset: 4.893 ms

Below is generated by plot.py at 2018-03-21 07:08:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.06 Mbit/s

95th percentile per-packet one-way delay: 10.724 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 60.24 Mbit/s

95th percentile per-packet one-way delay: 7.956 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 20.27 Mbit/s

95th percentile per-packet one-way delay: 15.012 ms

Loss rate: 0.06%

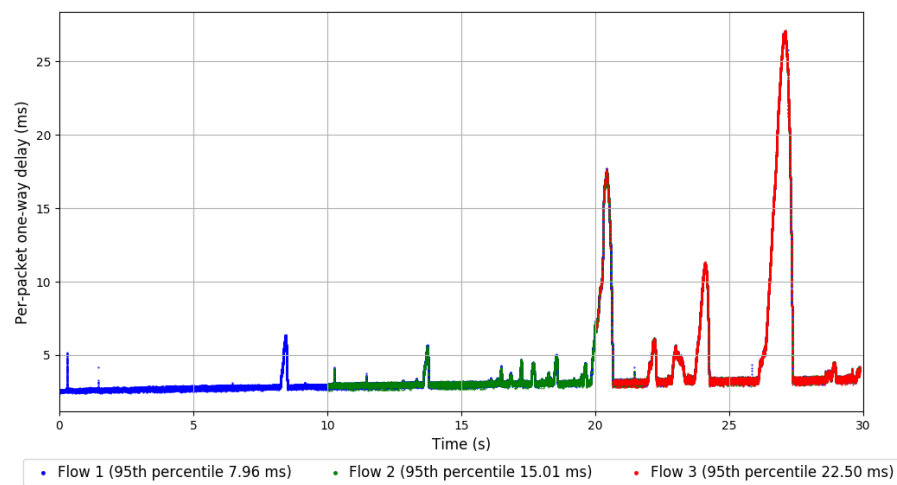
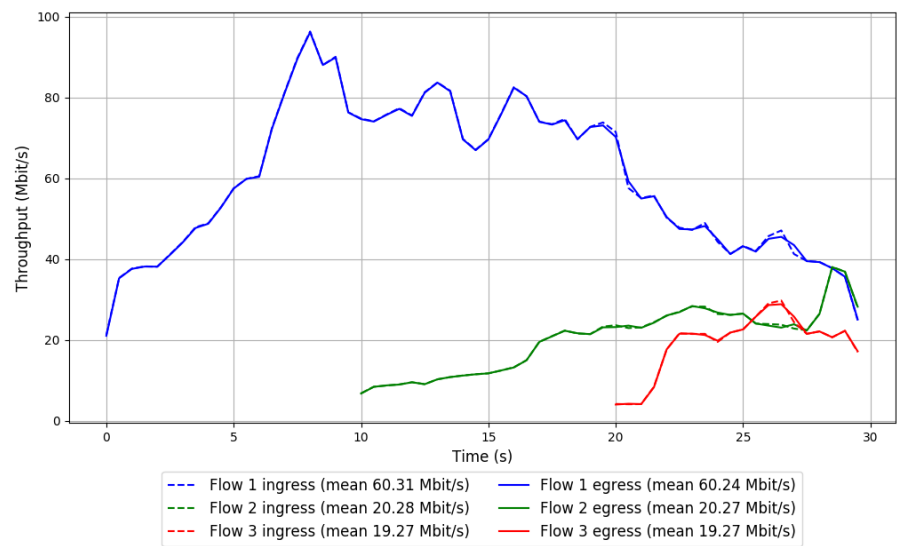
-- Flow 3:

Average throughput: 19.27 Mbit/s

95th percentile per-packet one-way delay: 22.502 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-03-21 03:23:30

End at: 2018-03-21 03:24:00

Local clock offset: -3.097 ms

Remote clock offset: -3.78 ms

Below is generated by plot.py at 2018-03-21 07:09:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.01 Mbit/s

95th percentile per-packet one-way delay: 31.050 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 57.02 Mbit/s

95th percentile per-packet one-way delay: 31.002 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 36.06 Mbit/s

95th percentile per-packet one-way delay: 31.121 ms

Loss rate: 0.16%

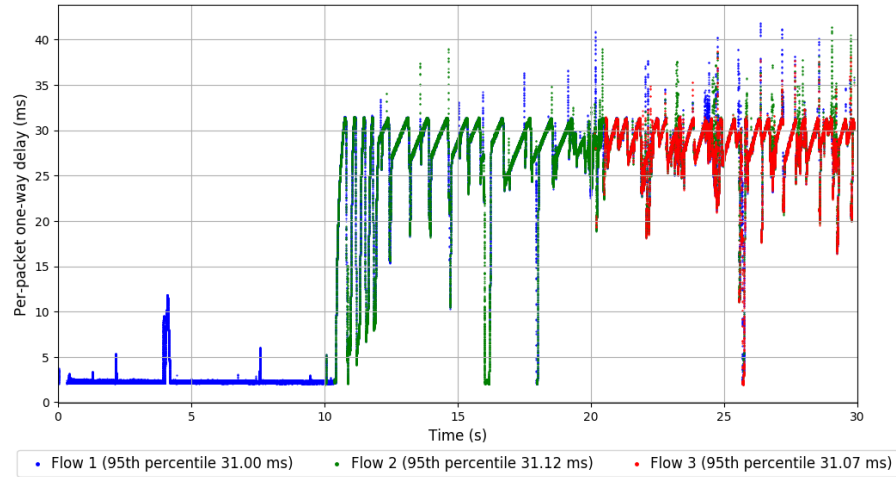
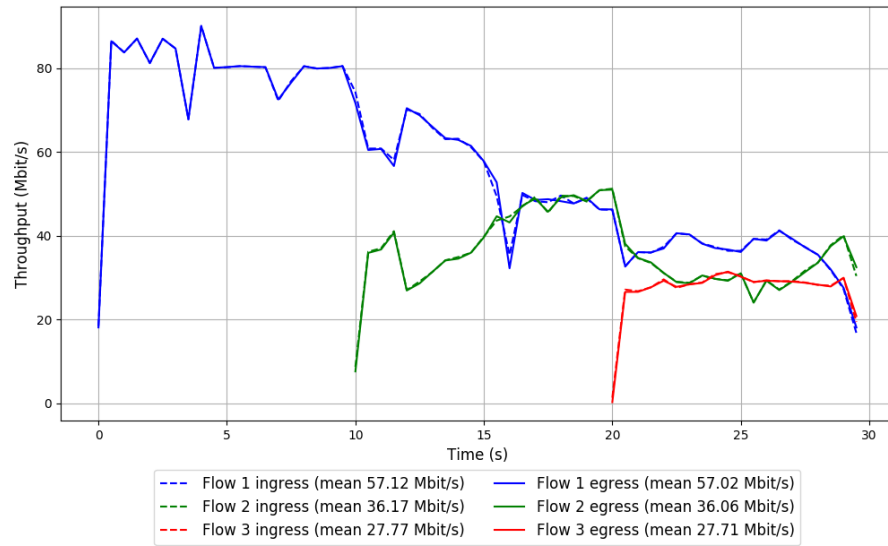
-- Flow 3:

Average throughput: 27.71 Mbit/s

95th percentile per-packet one-way delay: 31.069 ms

Loss rate: 0.19%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-03-21 03:44:02

End at: 2018-03-21 03:44:32

Local clock offset: -4.049 ms

Remote clock offset: -0.84 ms

Below is generated by plot.py at 2018-03-21 07:09:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.55 Mbit/s

95th percentile per-packet one-way delay: 31.277 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 31.232 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 31.318 ms

Loss rate: 0.20%

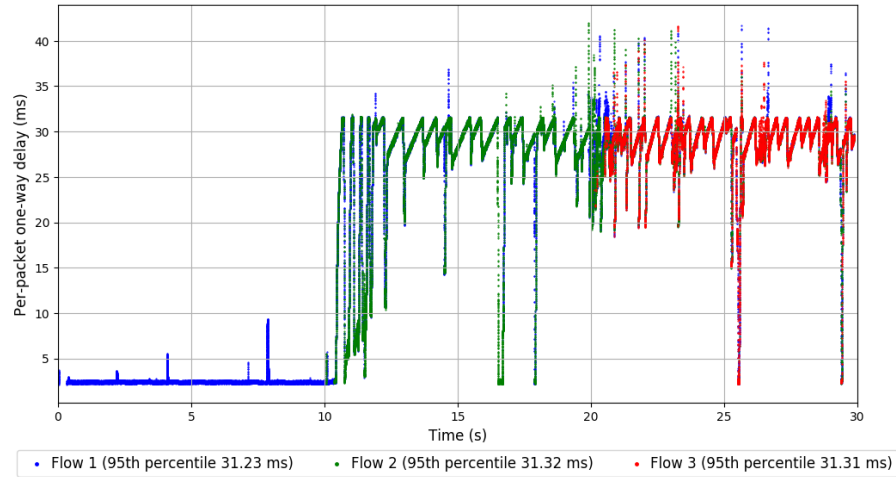
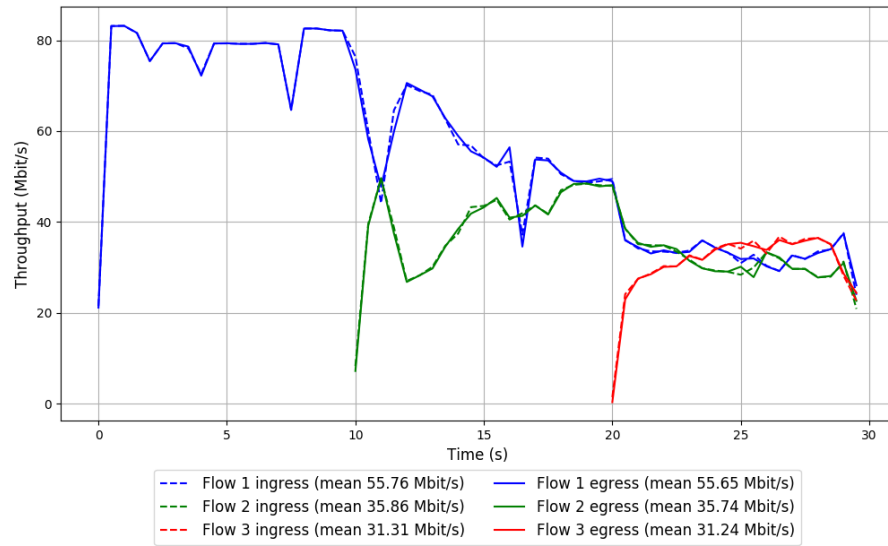
-- Flow 3:

Average throughput: 31.24 Mbit/s

95th percentile per-packet one-way delay: 31.311 ms

Loss rate: 0.18%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-03-21 04:04:35

End at: 2018-03-21 04:05:05

Local clock offset: -3.759 ms

Remote clock offset: -5.39 ms

Below is generated by plot.py at 2018-03-21 07:09:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.11 Mbit/s

95th percentile per-packet one-way delay: 31.395 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 63.36 Mbit/s

95th percentile per-packet one-way delay: 31.301 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 31.422 ms

Loss rate: 0.27%

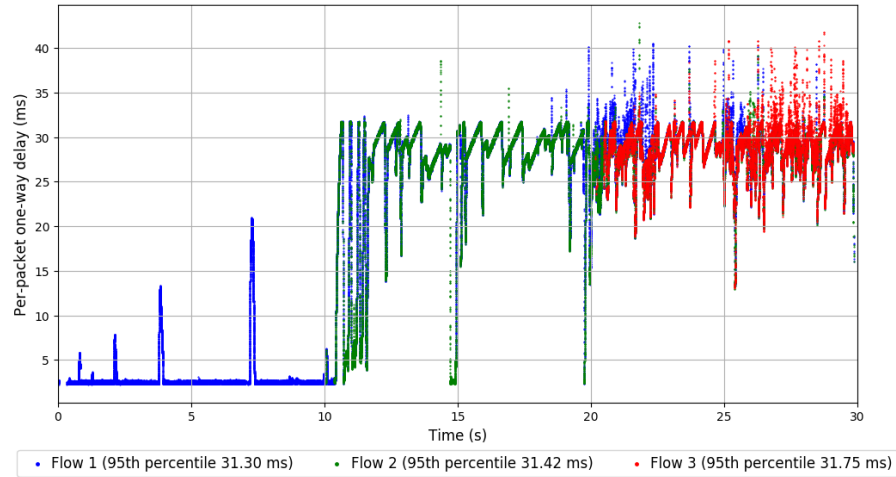
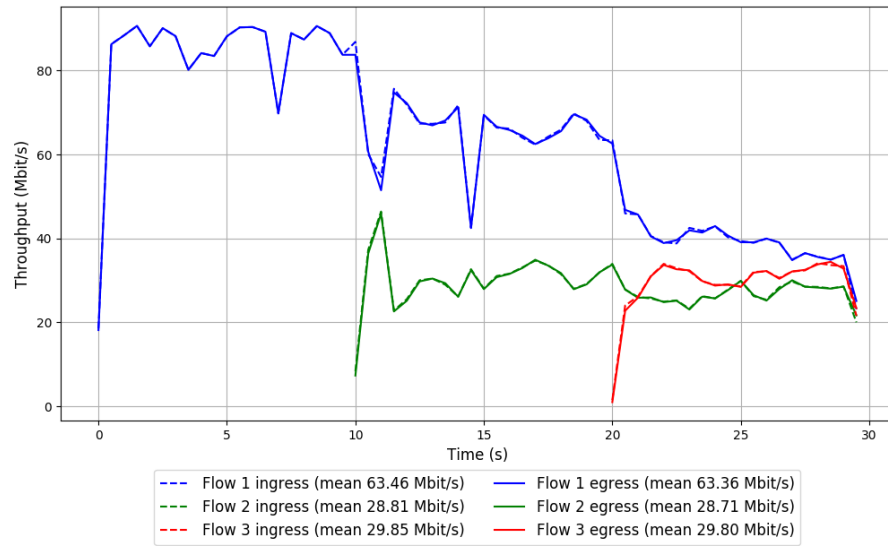
-- Flow 3:

Average throughput: 29.80 Mbit/s

95th percentile per-packet one-way delay: 31.750 ms

Loss rate: 0.17%

Run 3: Report of QUIC Cubic — Data Link

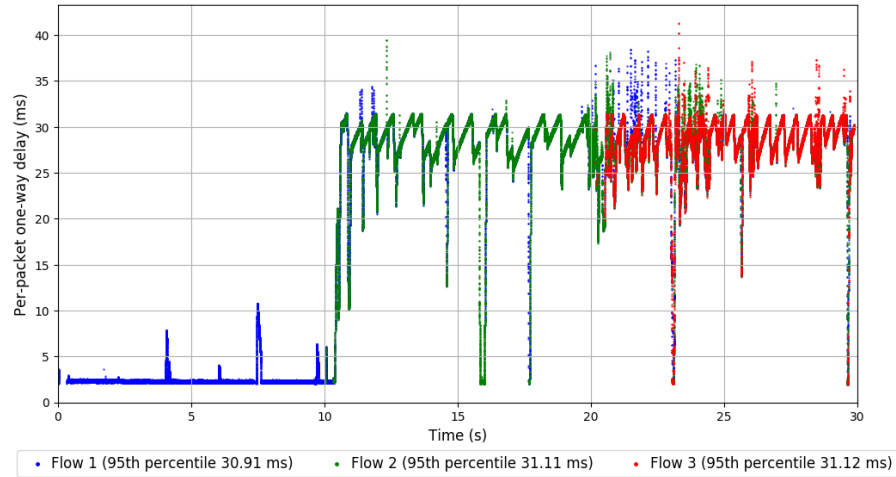
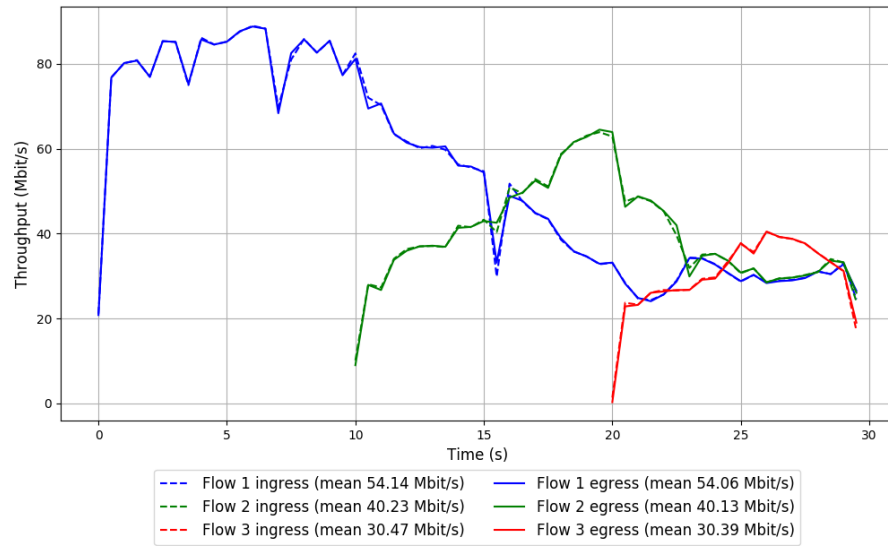


Run 4: Statistics of QUIC Cubic

Start at: 2018-03-21 04:25:08
End at: 2018-03-21 04:25:38
Local clock offset: -3.44 ms
Remote clock offset: -6.553 ms

Below is generated by plot.py at 2018-03-21 07:10:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 31.028 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 30.908 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 31.124 ms
Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link

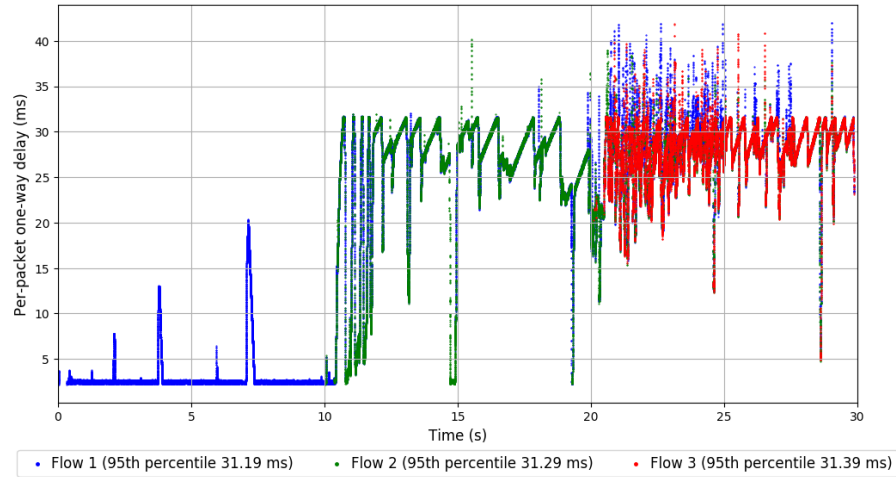
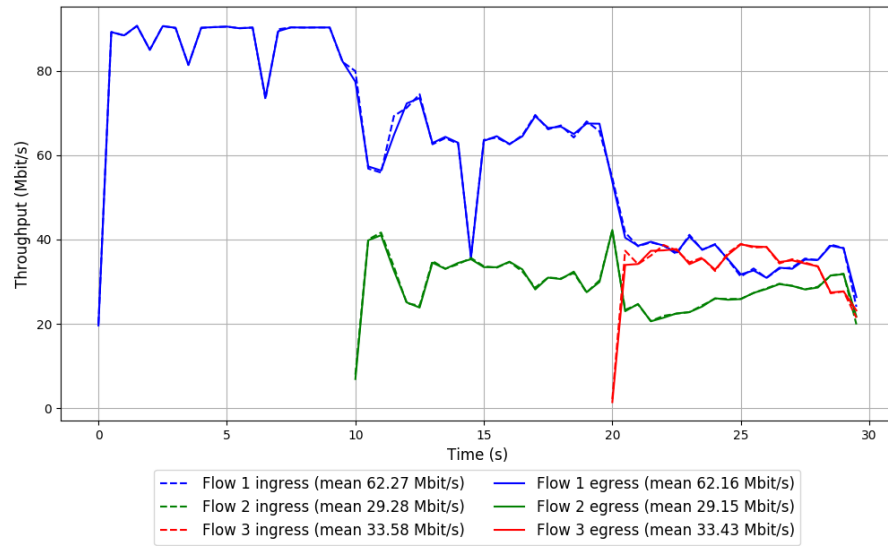


Run 5: Statistics of QUIC Cubic

Start at: 2018-03-21 04:45:40
End at: 2018-03-21 04:46:10
Local clock offset: -4.791 ms
Remote clock offset: -2.192 ms

Below is generated by plot.py at 2018-03-21 07:10:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 31.265 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 29.15 Mbit/s
95th percentile per-packet one-way delay: 31.292 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-03-21 05:06:11

End at: 2018-03-21 05:06:41

Local clock offset: -4.938 ms

Remote clock offset: 6.144 ms

Below is generated by plot.py at 2018-03-21 07:10:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 29.380 ms

Loss rate: 1.09%

-- Flow 1:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 23.052 ms

Loss rate: 5.36%

-- Flow 2:

Average throughput: 59.88 Mbit/s

95th percentile per-packet one-way delay: 28.795 ms

Loss rate: 0.07%

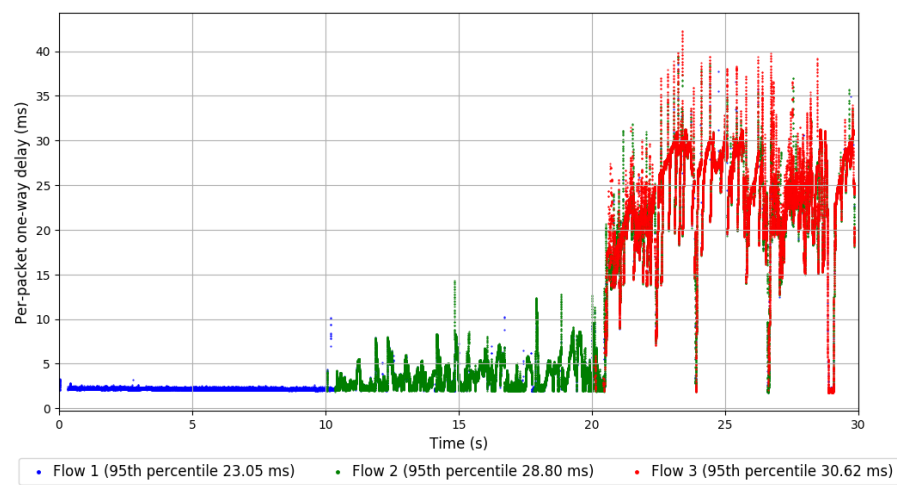
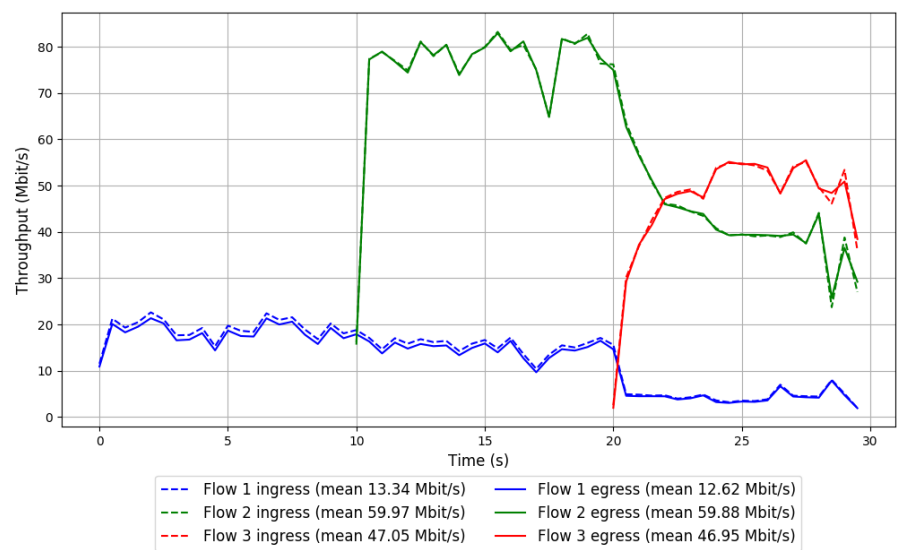
-- Flow 3:

Average throughput: 46.95 Mbit/s

95th percentile per-packet one-way delay: 30.616 ms

Loss rate: 0.06%

Run 6: Report of QUIC Cubic — Data Link

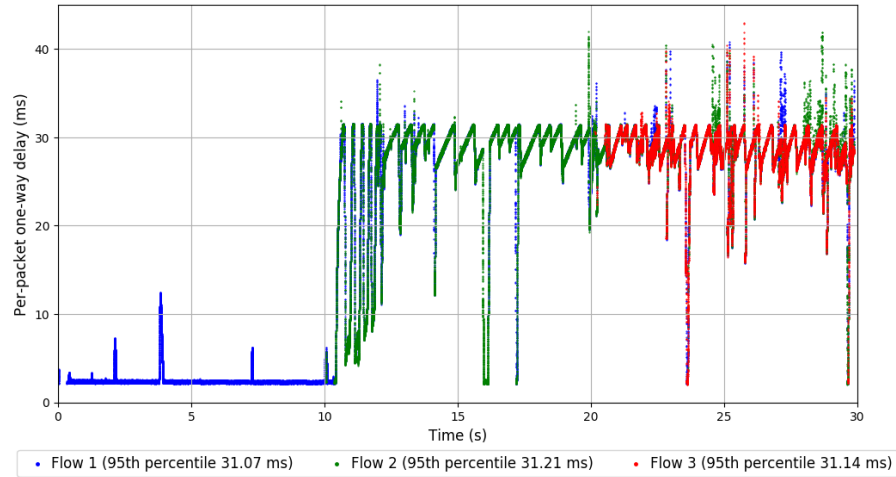
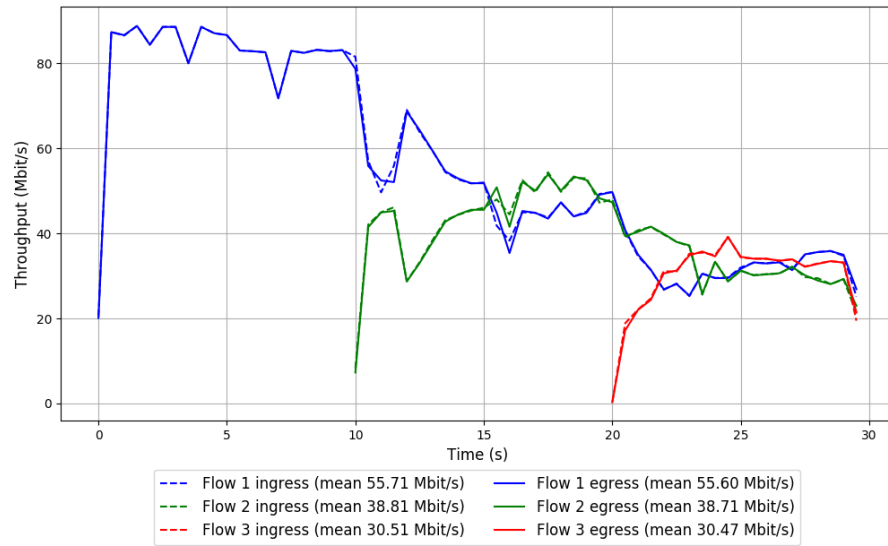


Run 7: Statistics of QUIC Cubic

Start at: 2018-03-21 05:26:42
End at: 2018-03-21 05:27:12
Local clock offset: -4.877 ms
Remote clock offset: 14.894 ms

Below is generated by plot.py at 2018-03-21 07:10:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.60 Mbit/s
95th percentile per-packet one-way delay: 31.067 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 31.211 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 31.137 ms
Loss rate: 0.16%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-03-21 05:47:14

End at: 2018-03-21 05:47:44

Local clock offset: -4.008 ms

Remote clock offset: 20.42 ms

Below is generated by plot.py at 2018-03-21 07:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 31.166 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 60.58 Mbit/s

95th percentile per-packet one-way delay: 31.094 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 31.251 ms

Loss rate: 0.25%

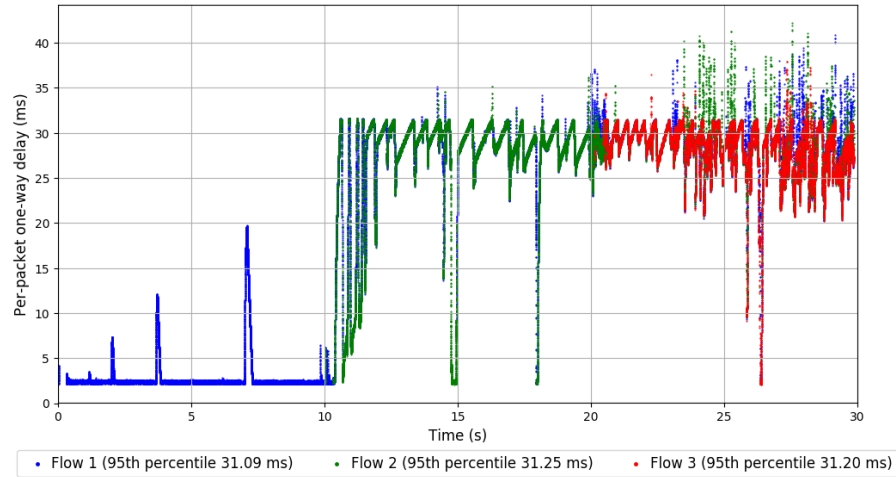
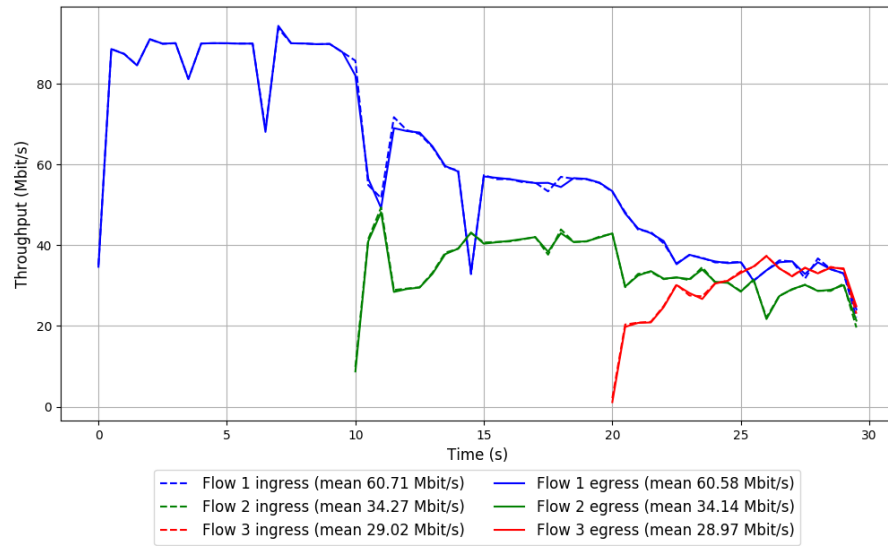
-- Flow 3:

Average throughput: 28.97 Mbit/s

95th percentile per-packet one-way delay: 31.203 ms

Loss rate: 0.18%

Run 8: Report of QUIC Cubic — Data Link

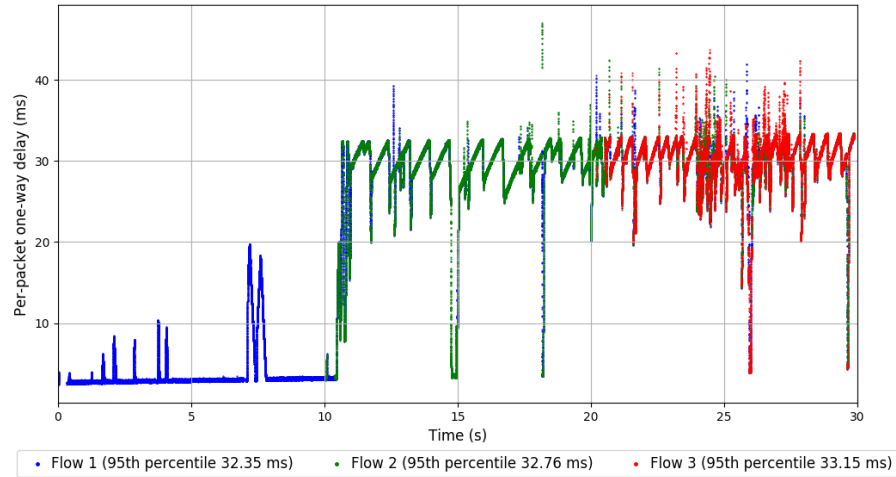
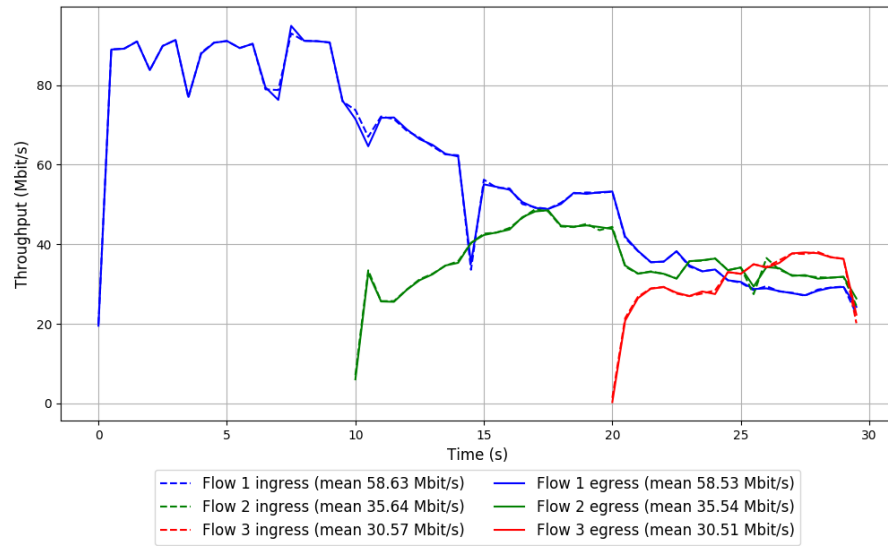


Run 9: Statistics of QUIC Cubic

Start at: 2018-03-21 06:07:46
End at: 2018-03-21 06:08:16
Local clock offset: -3.519 ms
Remote clock offset: 22.173 ms

Below is generated by plot.py at 2018-03-21 07:11:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 32.647 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 58.53 Mbit/s
95th percentile per-packet one-way delay: 32.347 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 32.760 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 33.147 ms
Loss rate: 0.15%

Run 9: Report of QUIC Cubic — Data Link

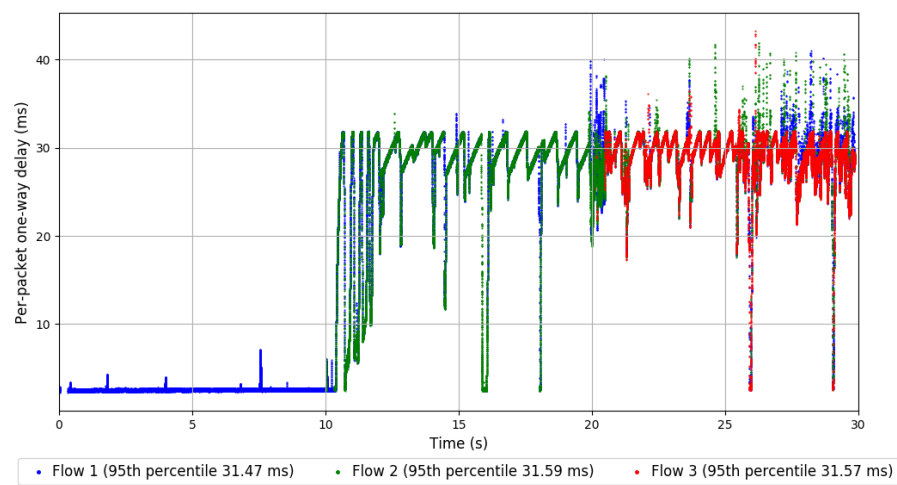
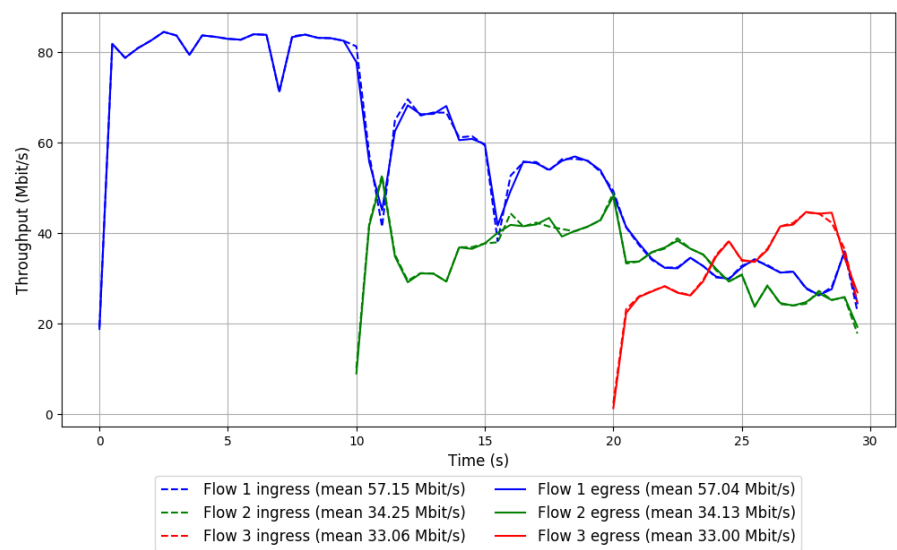


Run 10: Statistics of QUIC Cubic

Start at: 2018-03-21 06:28:19
End at: 2018-03-21 06:28:49
Local clock offset: -5.64 ms
Remote clock offset: -6.203 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 31.535 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 57.04 Mbit/s
95th percentile per-packet one-way delay: 31.474 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 31.595 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 31.572 ms
Loss rate: 0.17%

Run 10: Report of QUIC Cubic — Data Link

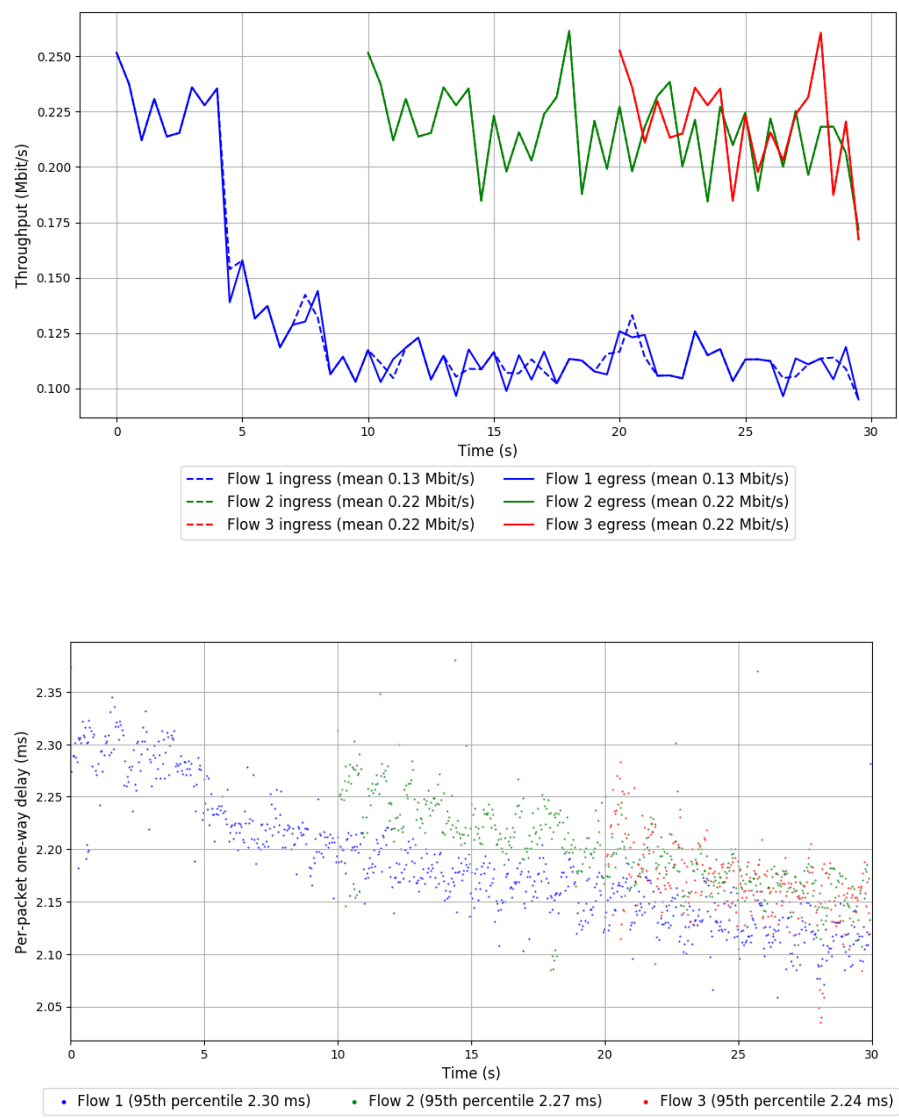


Run 1: Statistics of SReAM

Start at: 2018-03-21 03:25:46
End at: 2018-03-21 03:26:16
Local clock offset: -3.41 ms
Remote clock offset: -3.162 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 2.287 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 2.303 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.236 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

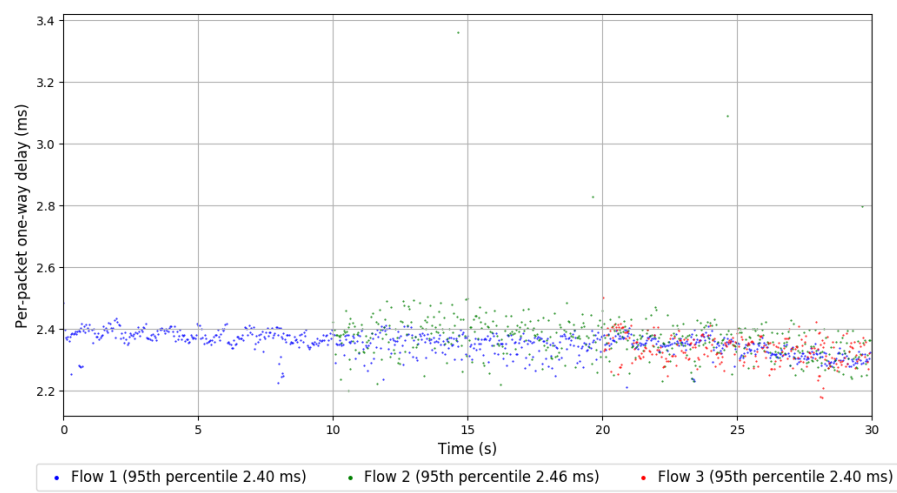
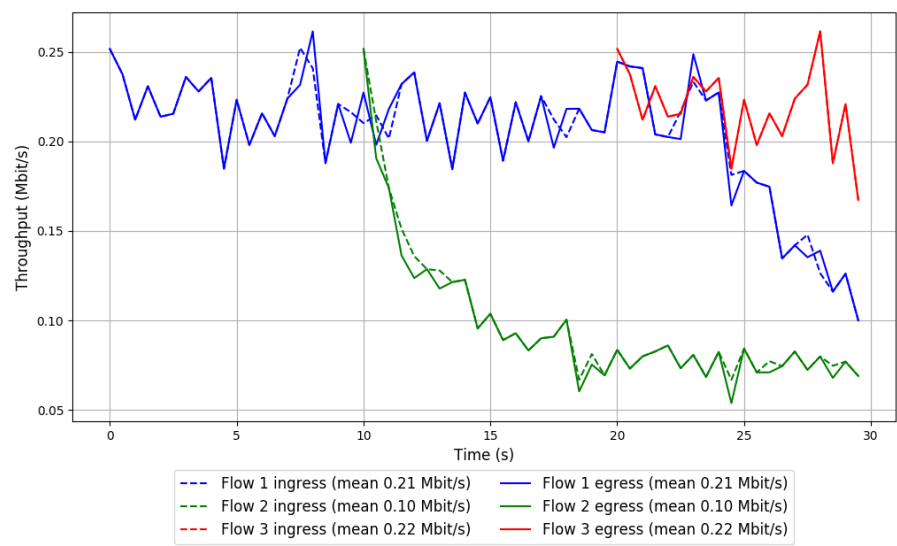


Run 2: Statistics of SCReAM

Start at: 2018-03-21 03:46:19
End at: 2018-03-21 03:46:49
Local clock offset: -4.08 ms
Remote clock offset: -0.586 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 2.422 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.404 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 2.459 ms
Loss rate: 2.45%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.405 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

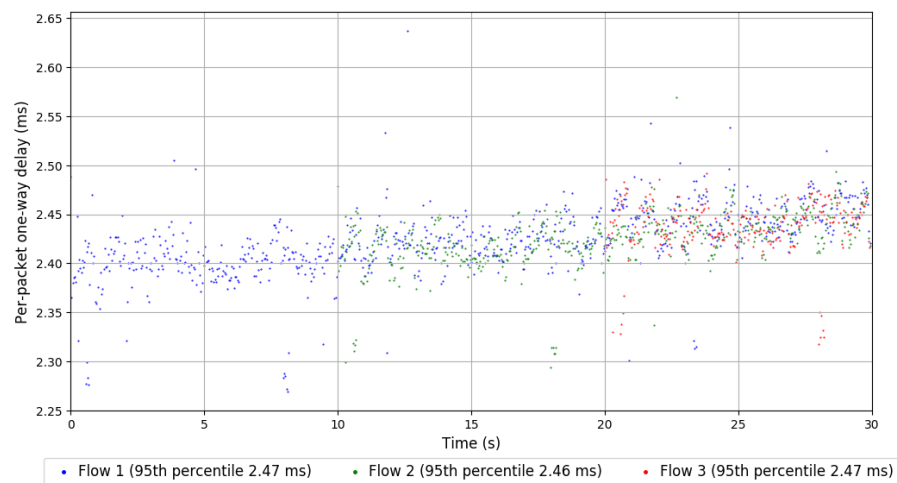
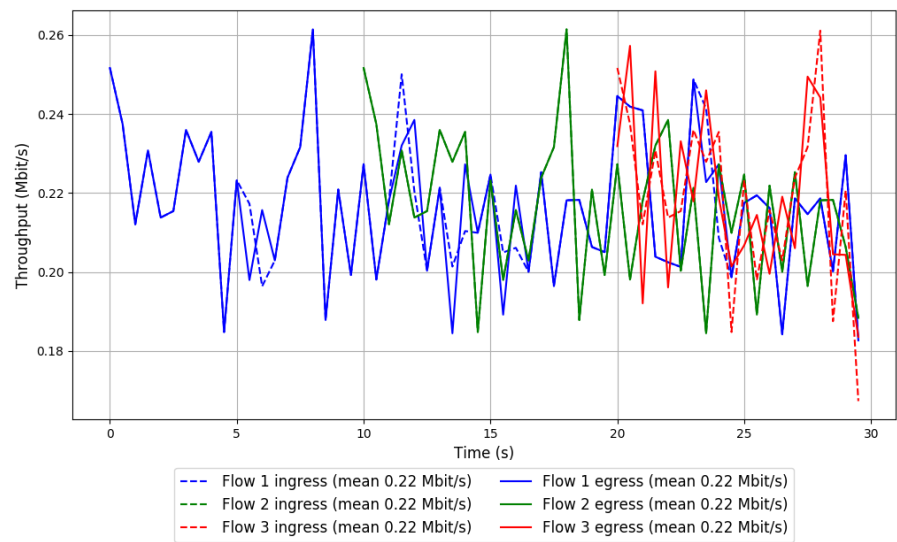


Run 3: Statistics of SReAM

Start at: 2018-03-21 04:06:51
End at: 2018-03-21 04:07:21
Local clock offset: -3.779 ms
Remote clock offset: -5.751 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

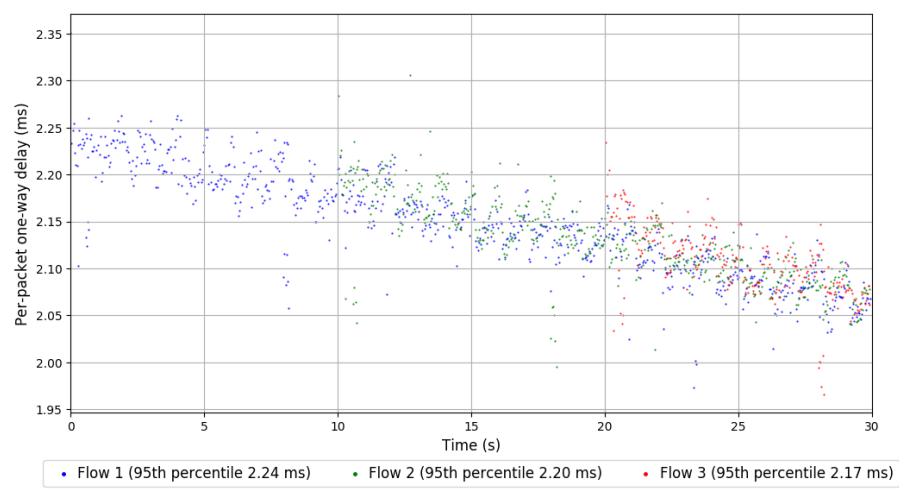
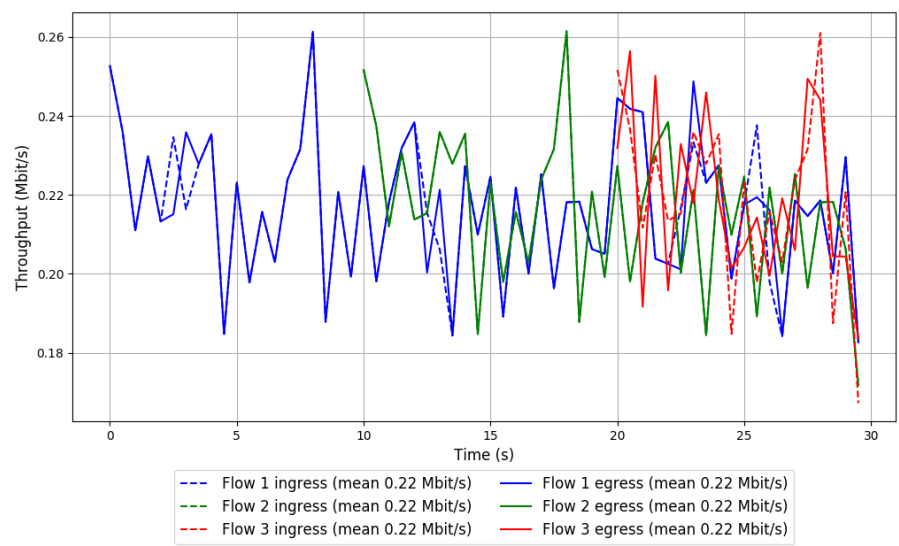


Run 4: Statistics of SReAM

Start at: 2018-03-21 04:27:24
End at: 2018-03-21 04:27:54
Local clock offset: -3.402 ms
Remote clock offset: -5.545 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.201 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

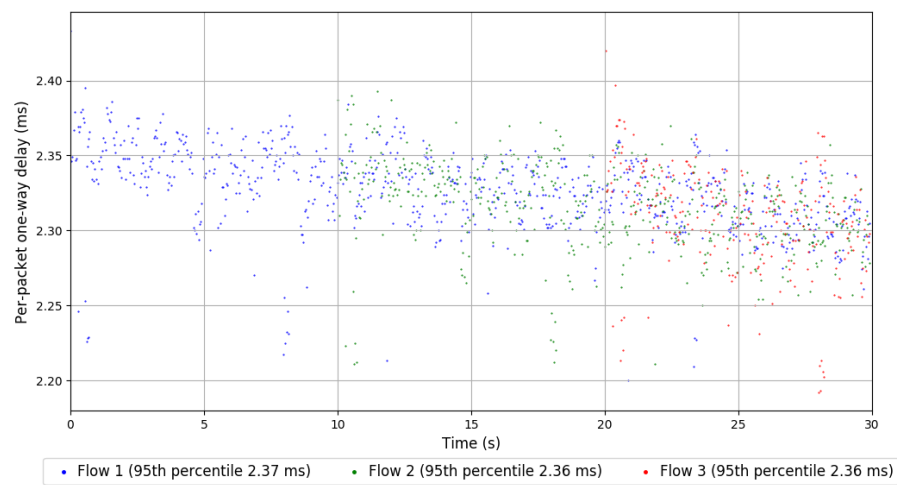
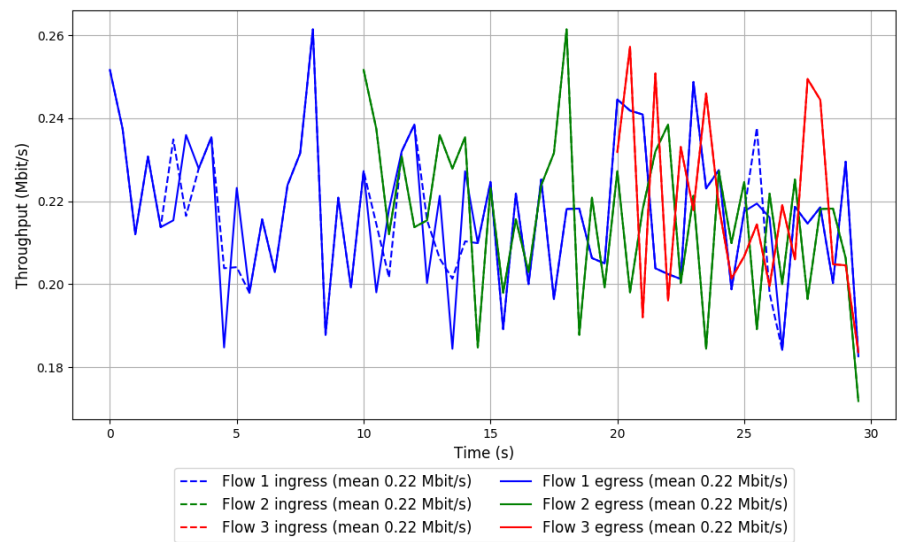


Run 5: Statistics of SReAM

Start at: 2018-03-21 04:47:57
End at: 2018-03-21 04:48:27
Local clock offset: -4.801 ms
Remote clock offset: -1.964 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-03-21 05:08:26

End at: 2018-03-21 05:08:56

Local clock offset: -4.992 ms

Remote clock offset: 7.587 ms

Below is generated by plot.py at 2018-03-21 07:11:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.210 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.224 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.129 ms

Loss rate: 0.00%

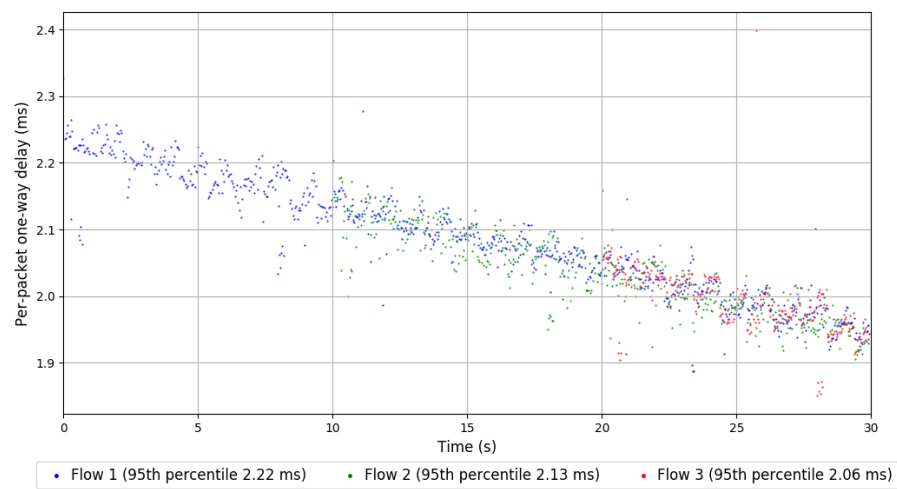
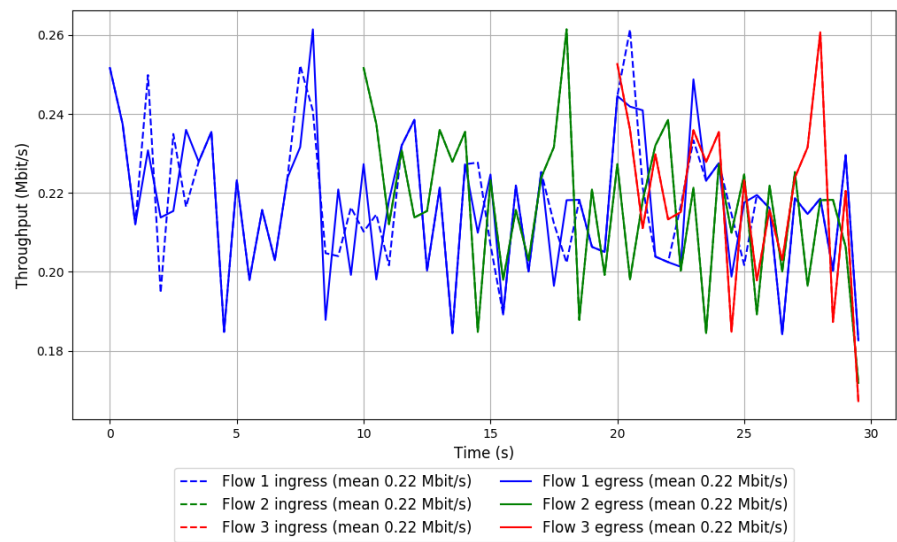
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.055 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

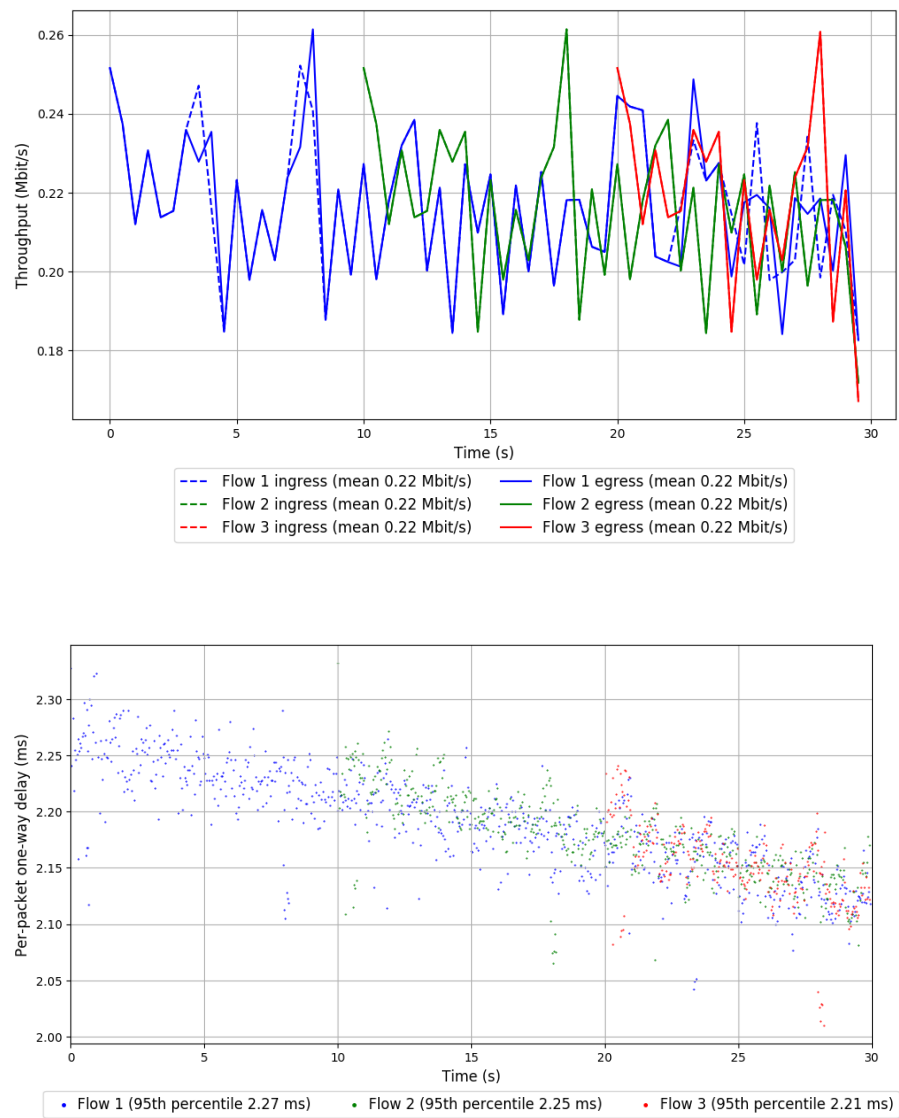


Run 7: Statistics of SReAM

Start at: 2018-03-21 05:28:58
End at: 2018-03-21 05:29:28
Local clock offset: -4.866 ms
Remote clock offset: 15.614 ms

```
# Below is generated by plot.py at 2018-03-21 07:11:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.245 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.209 ms
Loss rate: 0.00%
```


Run 7: Report of SReAM — Data Link

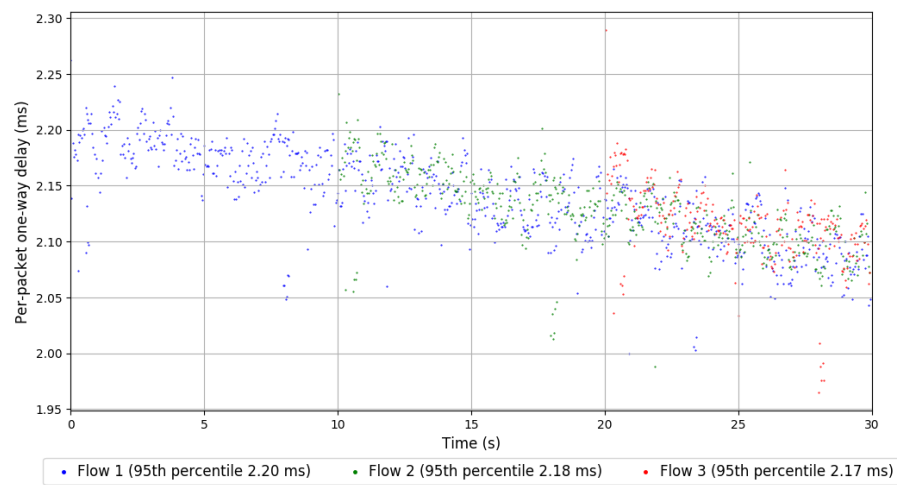
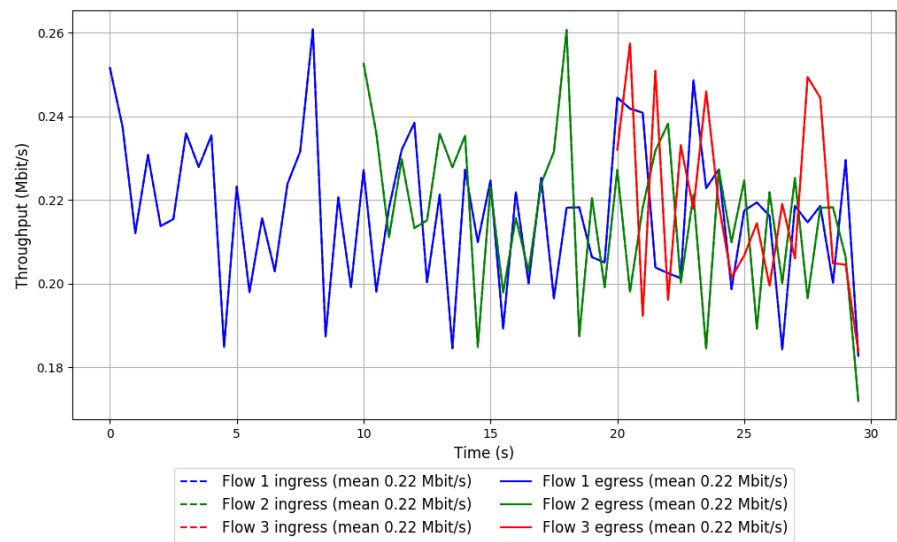


Run 8: Statistics of SReAM

Start at: 2018-03-21 05:49:31
End at: 2018-03-21 05:50:01
Local clock offset: -3.874 ms
Remote clock offset: 20.98 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.180 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

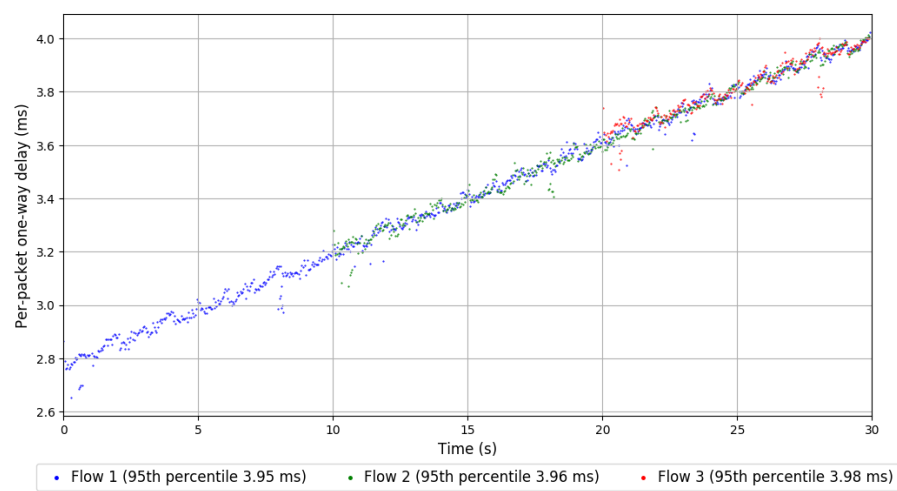
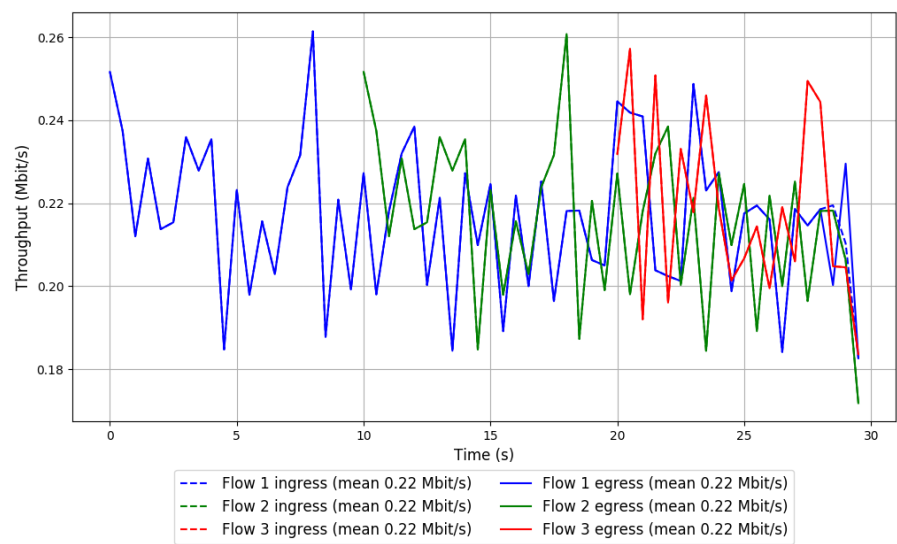


Run 9: Statistics of SReAM

Start at: 2018-03-21 06:10:02
End at: 2018-03-21 06:10:32
Local clock offset: -3.477 ms
Remote clock offset: 15.916 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.980 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

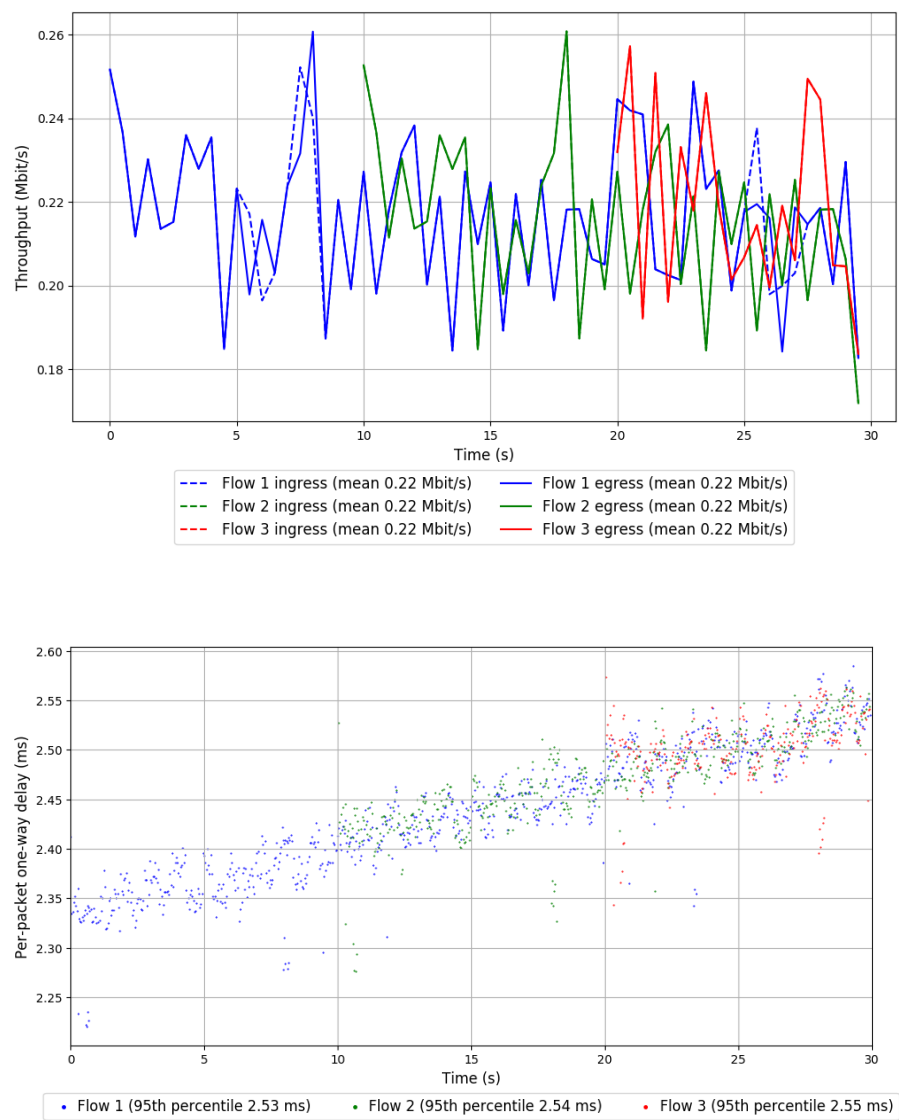


Run 10: Statistics of SReAM

Start at: 2018-03-21 06:30:35
End at: 2018-03-21 06:31:05
Local clock offset: -5.803 ms
Remote clock offset: -7.416 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.533 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.540 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.549 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

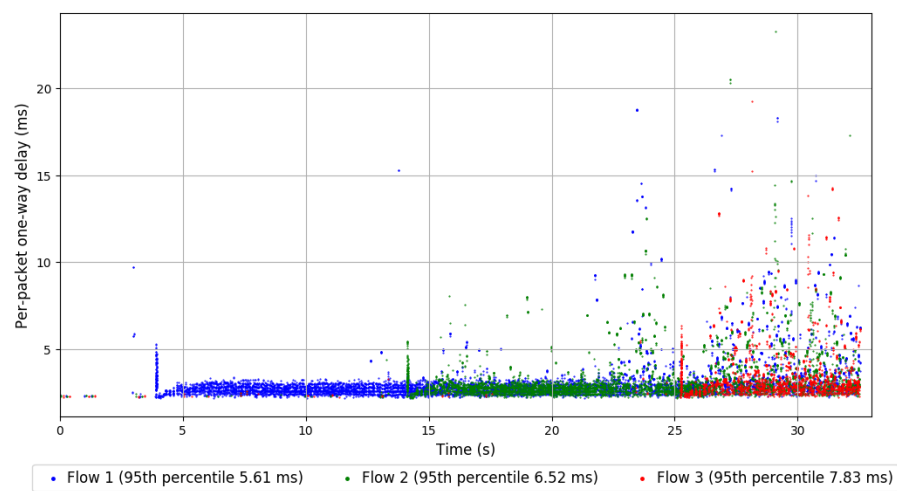
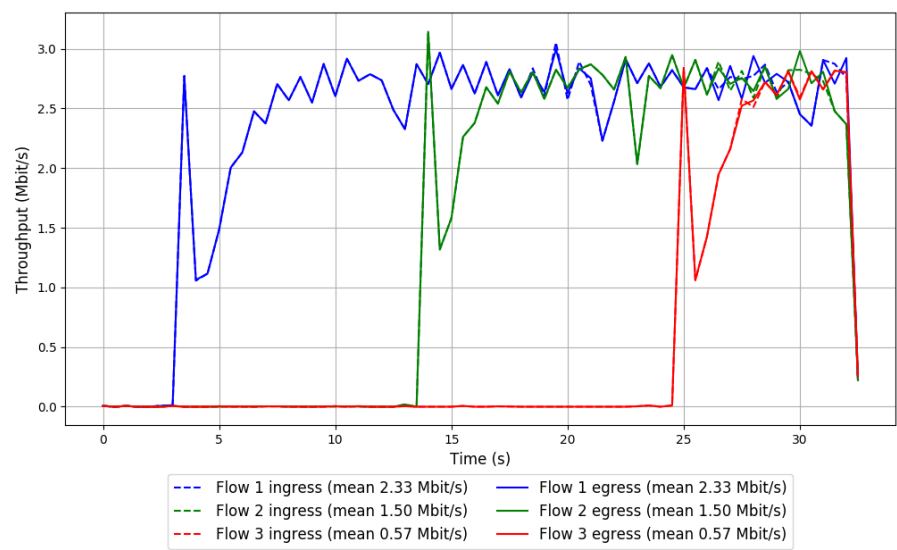


Run 1: Statistics of WebRTC media

Start at: 2018-03-21 03:12:03
End at: 2018-03-21 03:12:33
Local clock offset: -2.877 ms
Remote clock offset: -6.495 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 6.197 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 6.521 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 7.826 ms
Loss rate: 0.05%

Run 1: Report of WebRTC media — Data Link

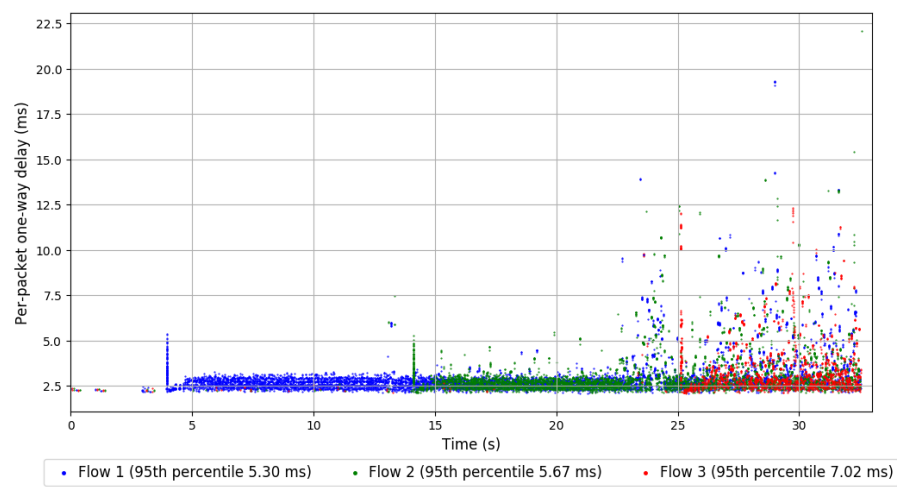
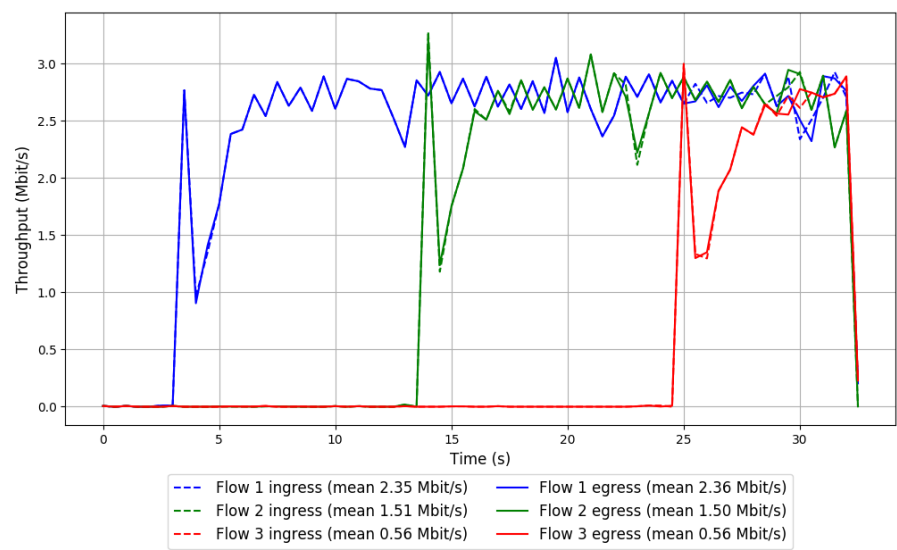


Run 2: Statistics of WebRTC media

Start at: 2018-03-21 03:32:36
End at: 2018-03-21 03:33:06
Local clock offset: -3.88 ms
Remote clock offset: -1.967 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 5.811 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.304 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.669 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 7.024 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

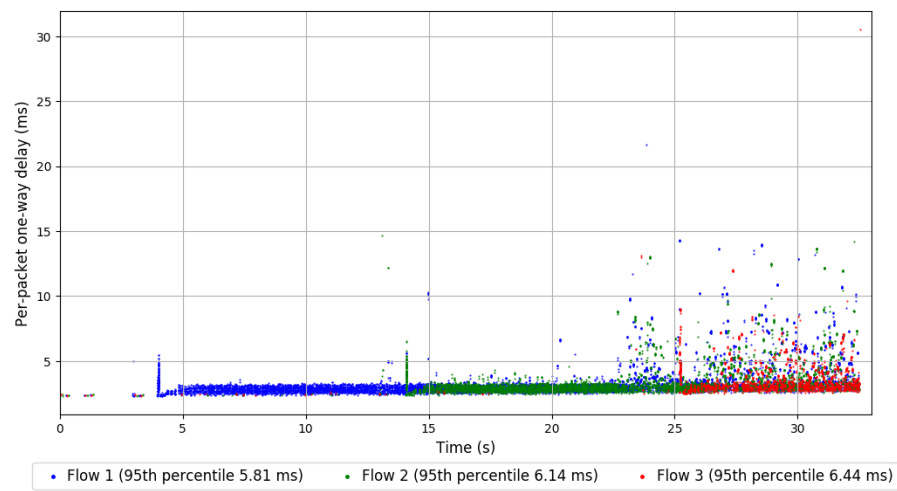
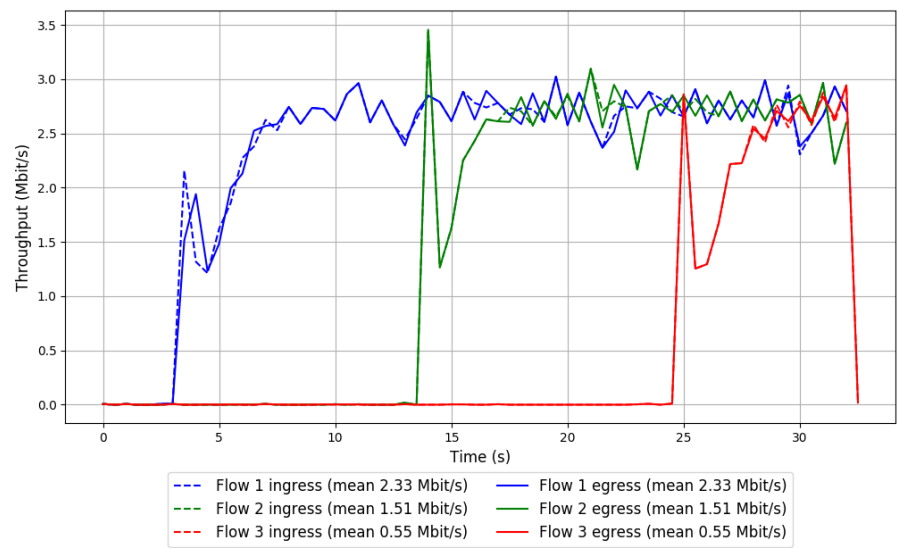


Run 3: Statistics of WebRTC media

Start at: 2018-03-21 03:53:09
End at: 2018-03-21 03:53:39
Local clock offset: -3.978 ms
Remote clock offset: -1.943 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.37 Mbit/s
95th percentile per-packet one-way delay: 6.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 6.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 6.439 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

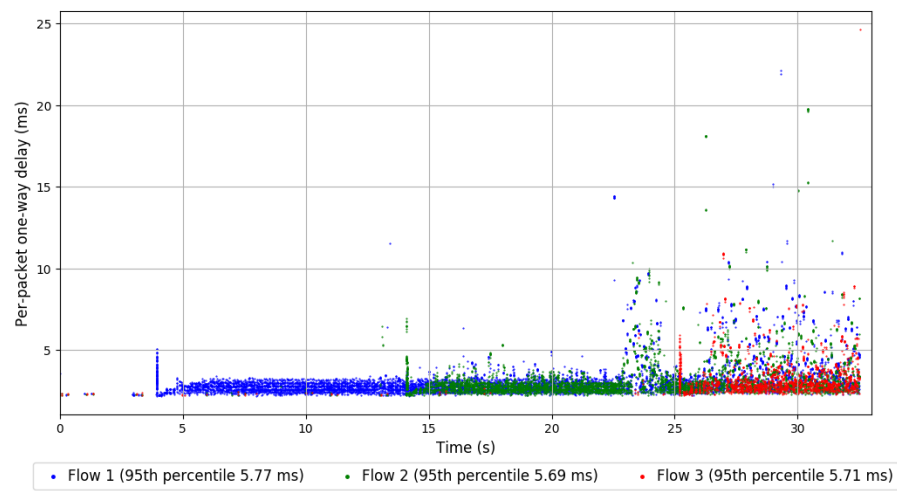
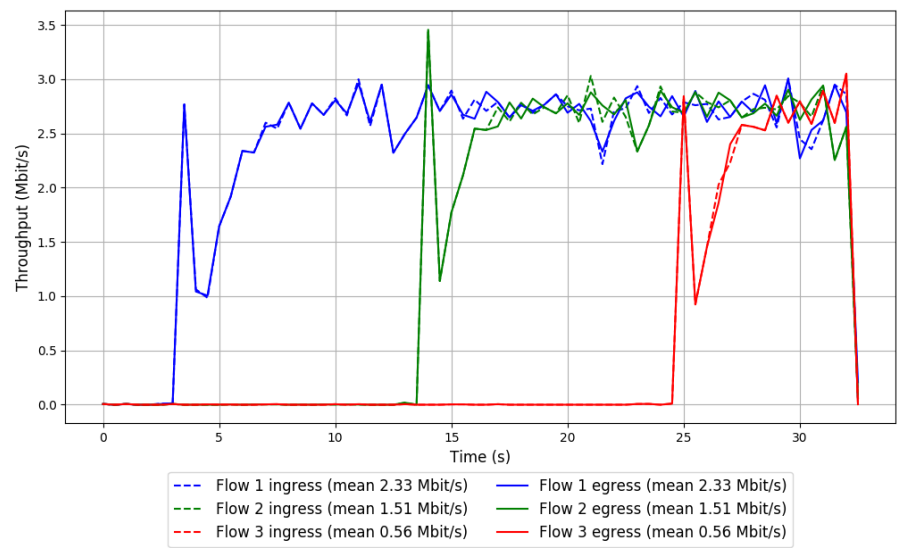


Run 4: Statistics of WebRTC media

Start at: 2018-03-21 04:13:42
End at: 2018-03-21 04:14:12
Local clock offset: -3.63 ms
Remote clock offset: -6.327 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 5.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 5.772 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.712 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

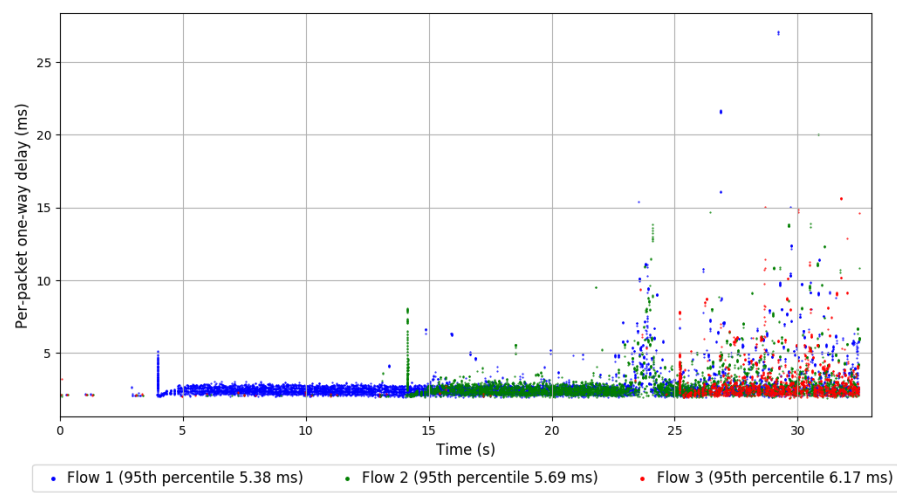
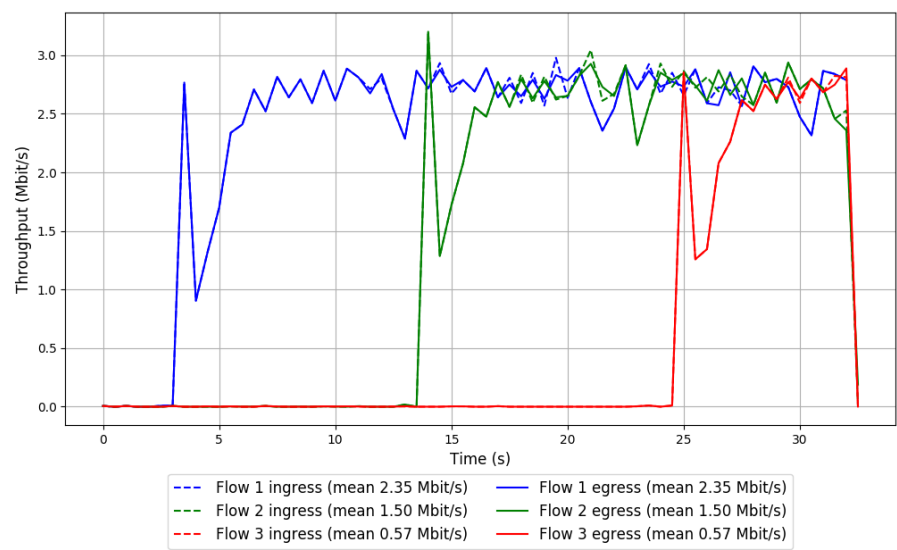


Run 5: Statistics of WebRTC media

Start at: 2018-03-21 04:34:14
End at: 2018-03-21 04:34:44
Local clock offset: -4.088 ms
Remote clock offset: -3.687 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 5.672 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 5.375 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.688 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 6.167 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

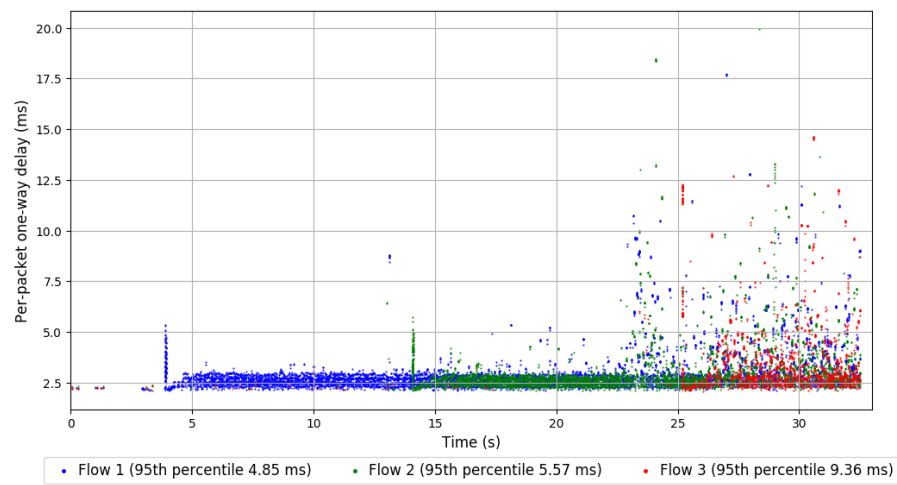
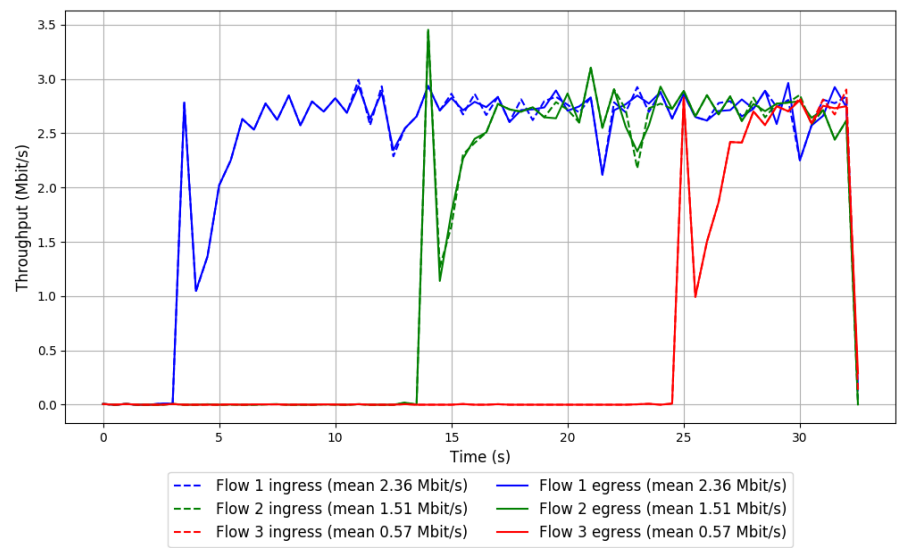


Run 6: Statistics of WebRTC media

Start at: 2018-03-21 04:54:45
End at: 2018-03-21 04:55:15
Local clock offset: -4.908 ms
Remote clock offset: -1.551 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 4.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 5.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 9.364 ms
Loss rate: 0.05%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-03-21 05:15:16

End at: 2018-03-21 05:15:46

Local clock offset: -4.877 ms

Remote clock offset: 11.01 ms

Below is generated by plot.py at 2018-03-21 07:11:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 5.806 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 4.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 6.046 ms

Loss rate: 0.00%

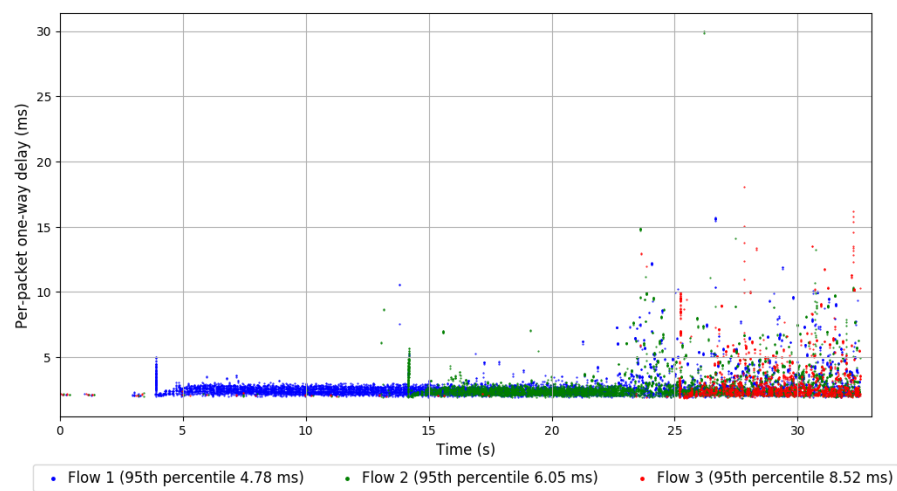
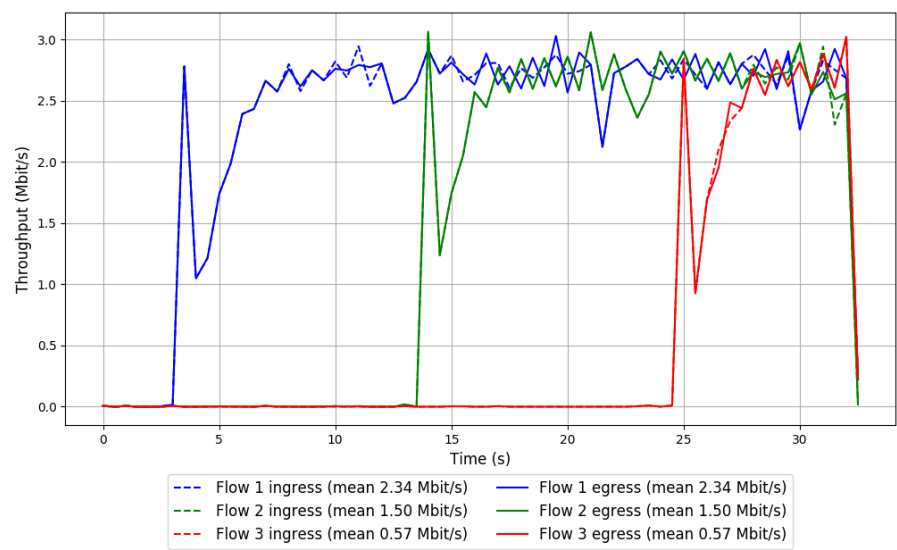
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 8.516 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

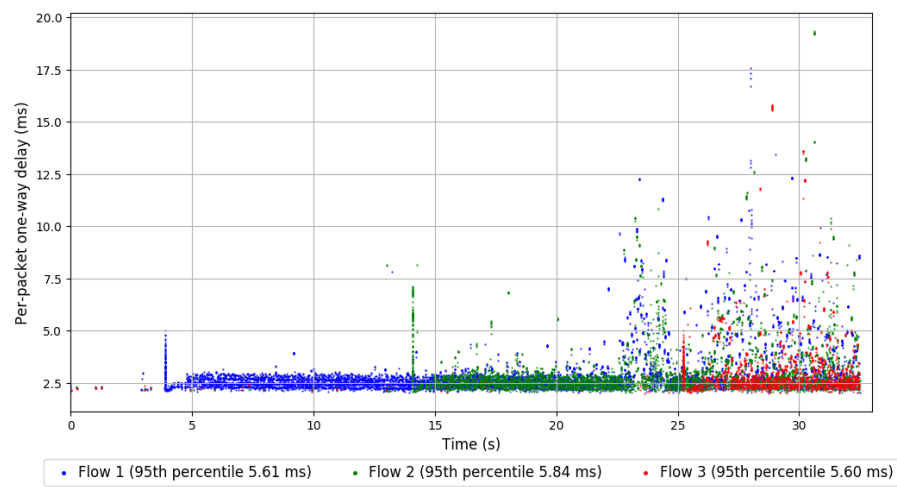
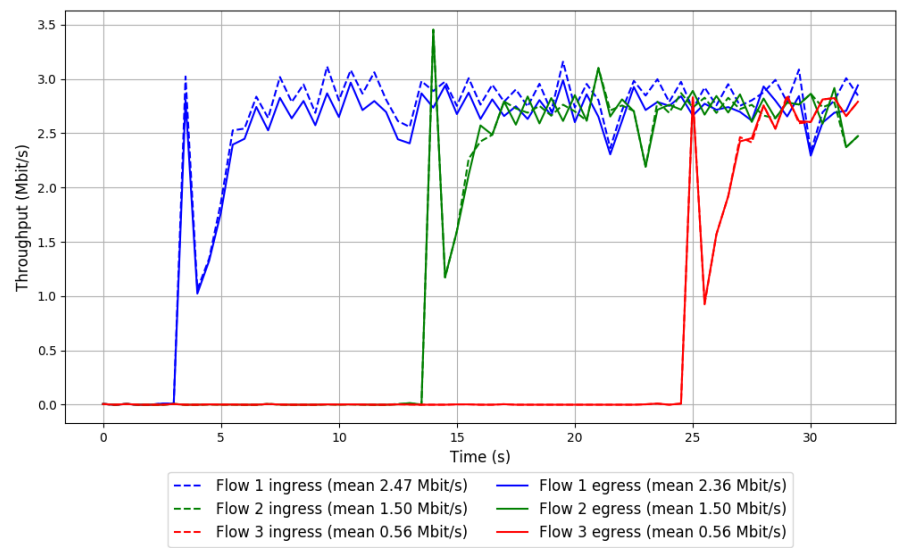


Run 8: Statistics of WebRTC media

Start at: 2018-03-21 05:35:48
End at: 2018-03-21 05:36:18
Local clock offset: -4.86 ms
Remote clock offset: 17.537 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 5.693 ms
Loss rate: 2.41%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 5.609 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.845 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 5.600 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

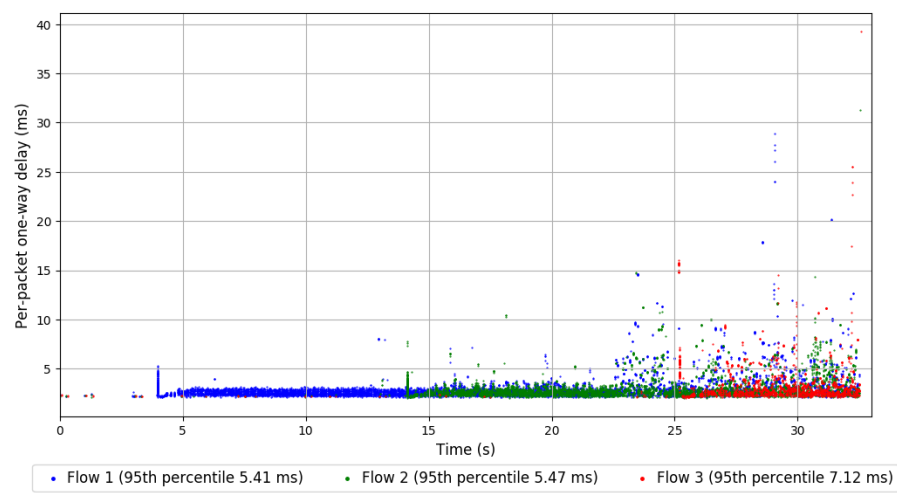
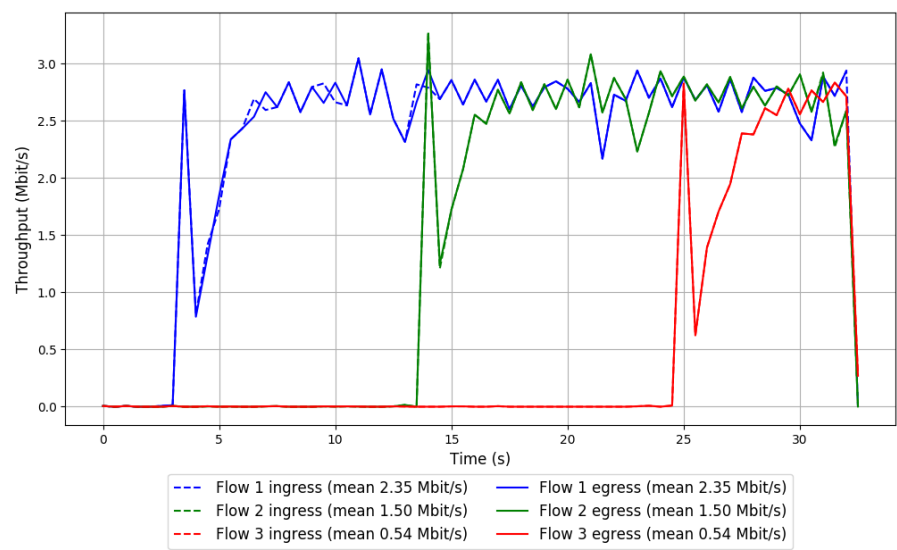


Run 9: Statistics of WebRTC media

Start at: 2018-03-21 05:56:20
End at: 2018-03-21 05:56:50
Local clock offset: -3.683 ms
Remote clock offset: 22.801 ms

Below is generated by plot.py at 2018-03-21 07:11:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.38 Mbit/s
95th percentile per-packet one-way delay: 5.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 5.411 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 5.467 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 7.125 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-03-21 06:16:53

End at: 2018-03-21 06:17:23

Local clock offset: -4.475 ms

Remote clock offset: 3.368 ms

Below is generated by plot.py at 2018-03-21 07:11:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 6.674 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 6.125 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 6.729 ms

Loss rate: 0.12%

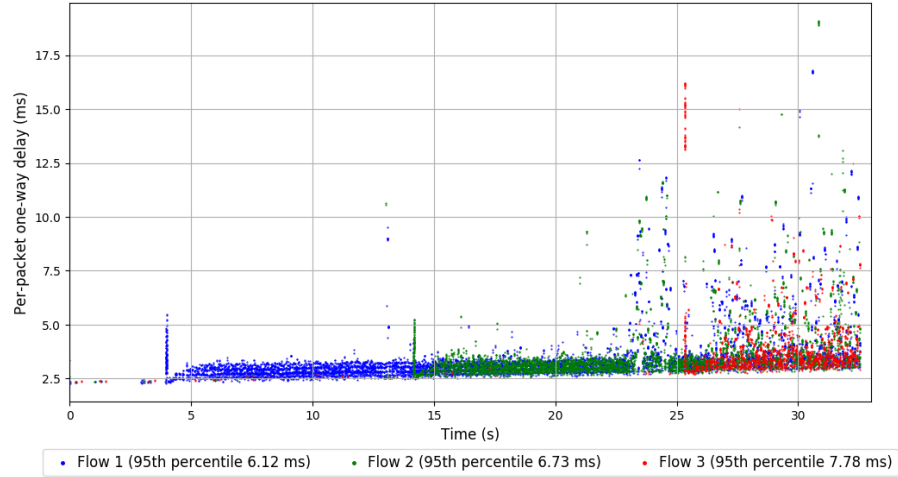
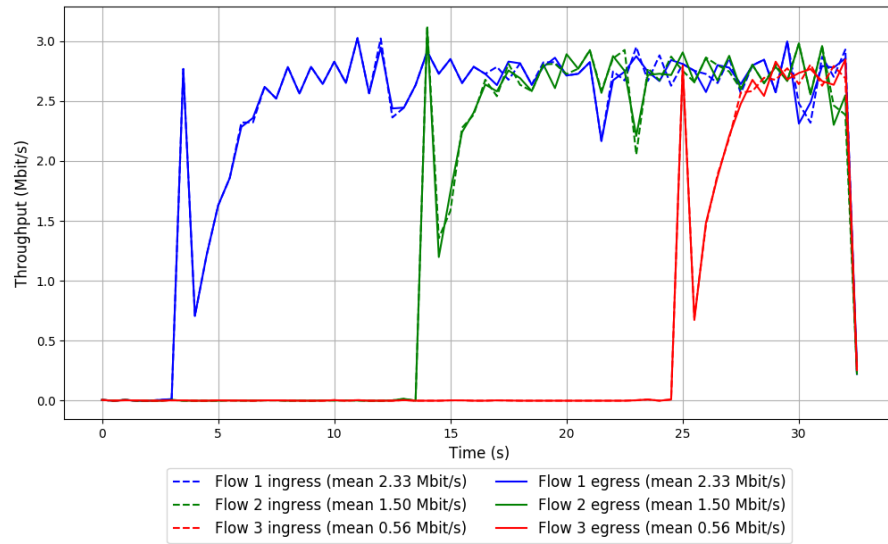
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 7.777 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

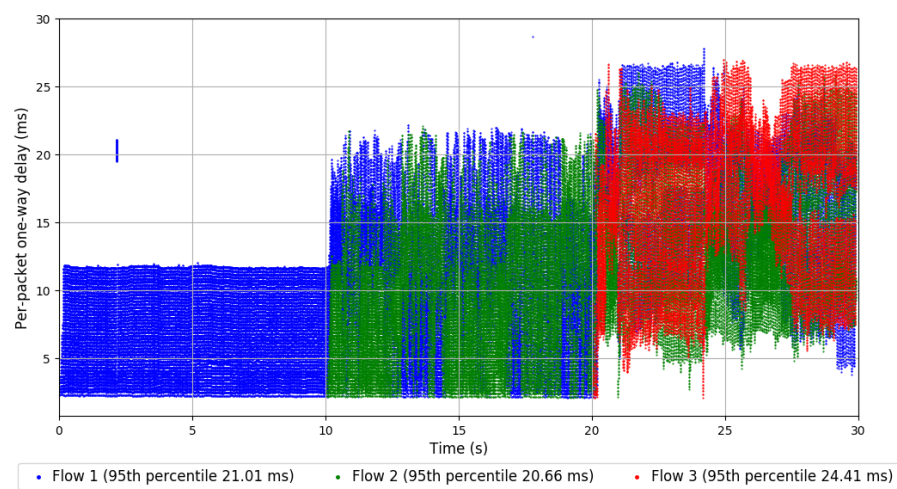
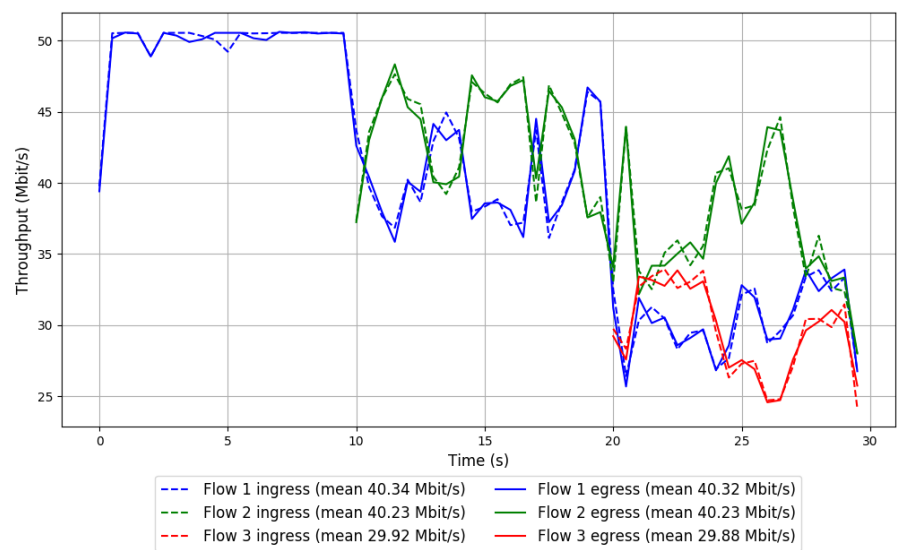


Run 1: Statistics of Sprout

Start at: 2018-03-21 03:17:44
End at: 2018-03-21 03:18:14
Local clock offset: -2.678 ms
Remote clock offset: -5.736 ms

Below is generated by plot.py at 2018-03-21 07:11:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.94 Mbit/s
95th percentile per-packet one-way delay: 21.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 21.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 20.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

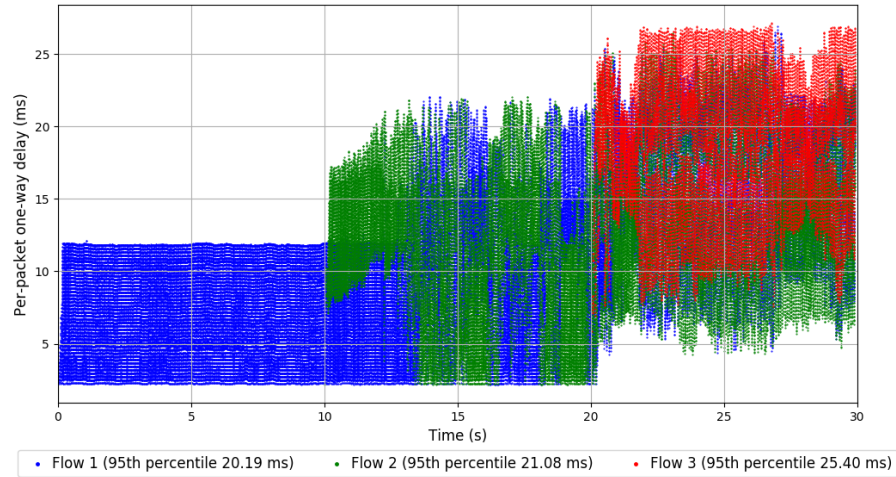
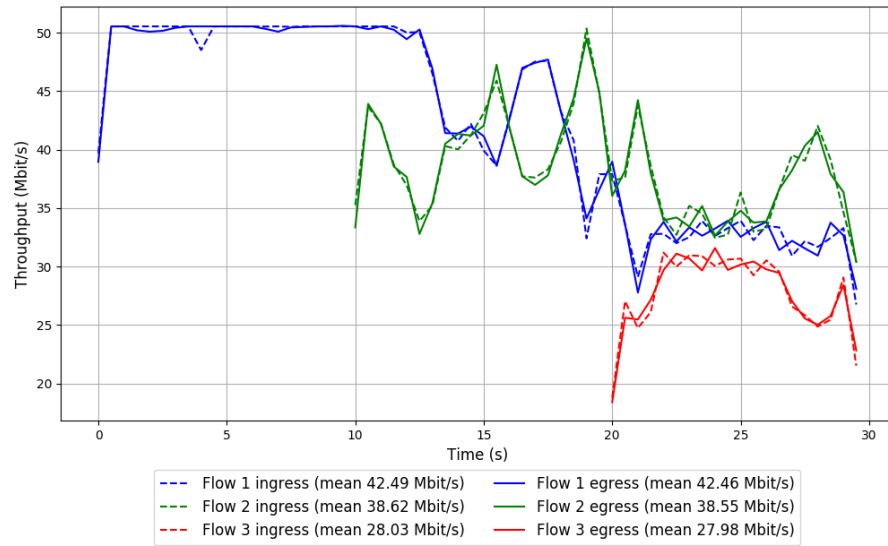


Run 2: Statistics of Sprout

Start at: 2018-03-21 03:38:17
End at: 2018-03-21 03:38:47
Local clock offset: -3.969 ms
Remote clock offset: -1.319 ms

Below is generated by plot.py at 2018-03-21 07:11:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 21.958 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 42.46 Mbit/s
95th percentile per-packet one-way delay: 20.193 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 21.082 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 25.396 ms
Loss rate: 0.03%

Run 2: Report of Sprout — Data Link

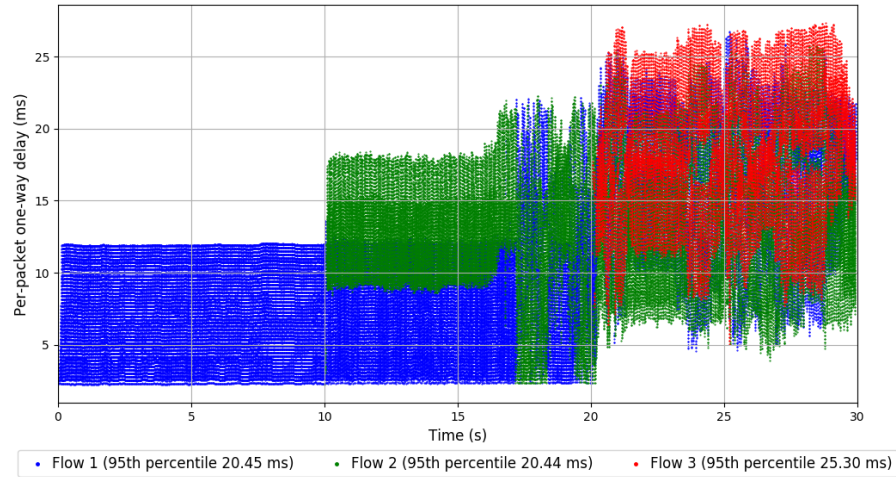
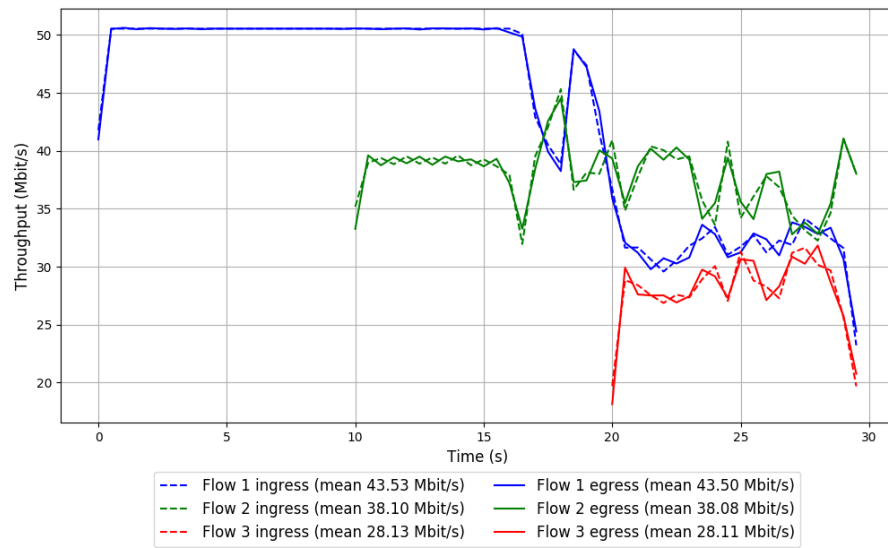


Run 3: Statistics of Sprout

Start at: 2018-03-21 03:58:49
End at: 2018-03-21 03:59:19
Local clock offset: -3.862 ms
Remote clock offset: -4.281 ms

```
# Below is generated by plot.py at 2018-03-21 07:11:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 21.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 20.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.08 Mbit/s
95th percentile per-packet one-way delay: 20.437 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.11 Mbit/s
95th percentile per-packet one-way delay: 25.305 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

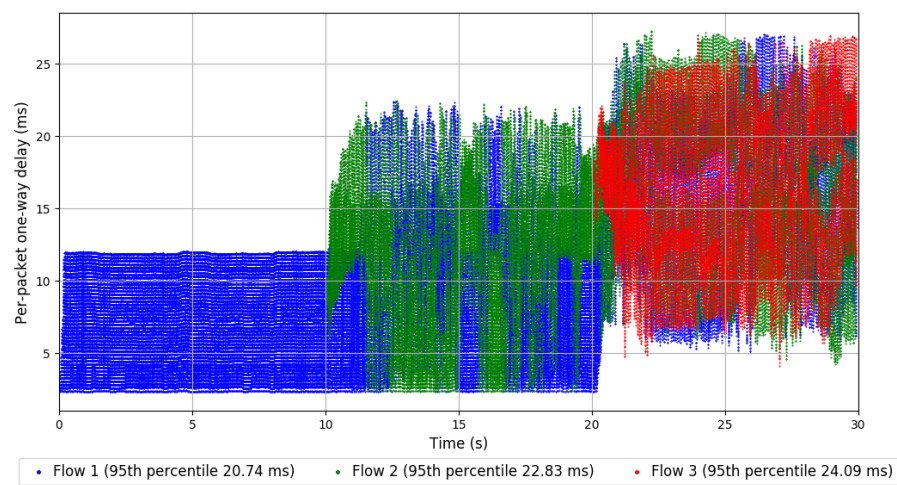
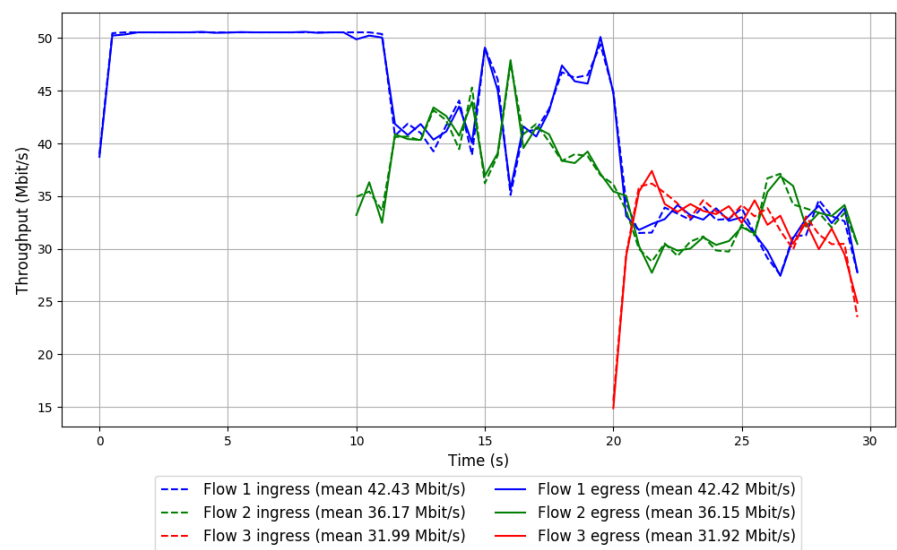


Run 4: Statistics of Sprout

Start at: 2018-03-21 04:19:22
End at: 2018-03-21 04:19:52
Local clock offset: -3.513 ms
Remote clock offset: -6.616 ms

```
# Below is generated by plot.py at 2018-03-21 07:11:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.00 Mbit/s
95th percentile per-packet one-way delay: 22.332 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.42 Mbit/s
95th percentile per-packet one-way delay: 20.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 22.830 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.92 Mbit/s
95th percentile per-packet one-way delay: 24.086 ms
Loss rate: 0.11%
```

Run 4: Report of Sprout — Data Link

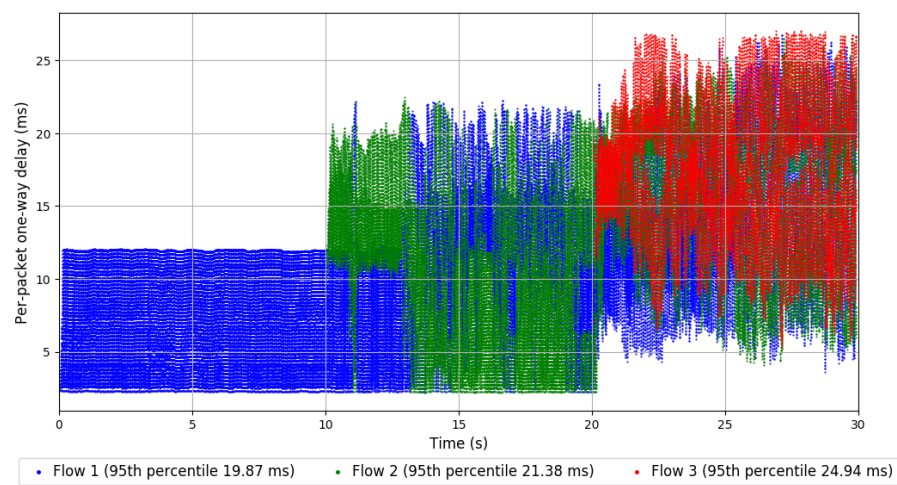
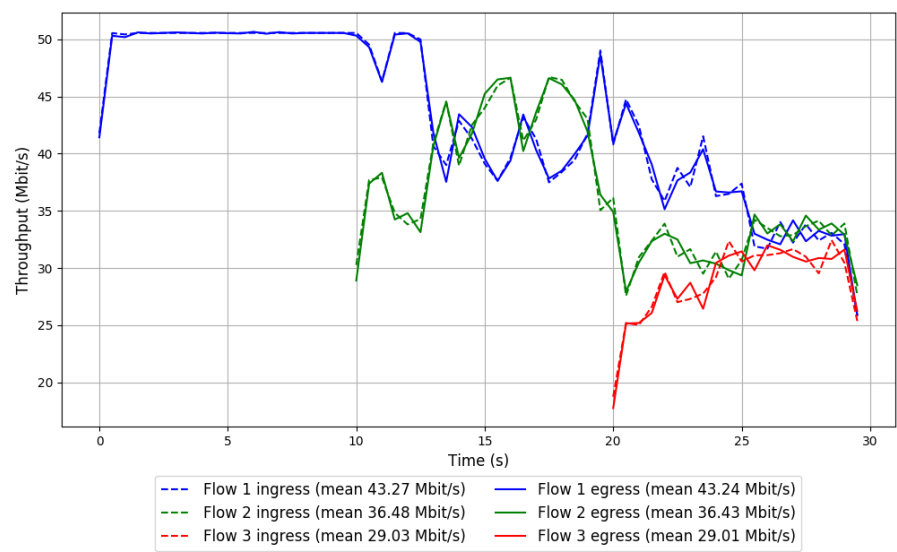


Run 5: Statistics of Sprout

Start at: 2018-03-21 04:39:55
End at: 2018-03-21 04:40:25
Local clock offset: -4.511 ms
Remote clock offset: -2.71 ms

Below is generated by plot.py at 2018-03-21 07:11:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.06 Mbit/s
95th percentile per-packet one-way delay: 21.678 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 19.874 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 21.377 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 29.01 Mbit/s
95th percentile per-packet one-way delay: 24.943 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

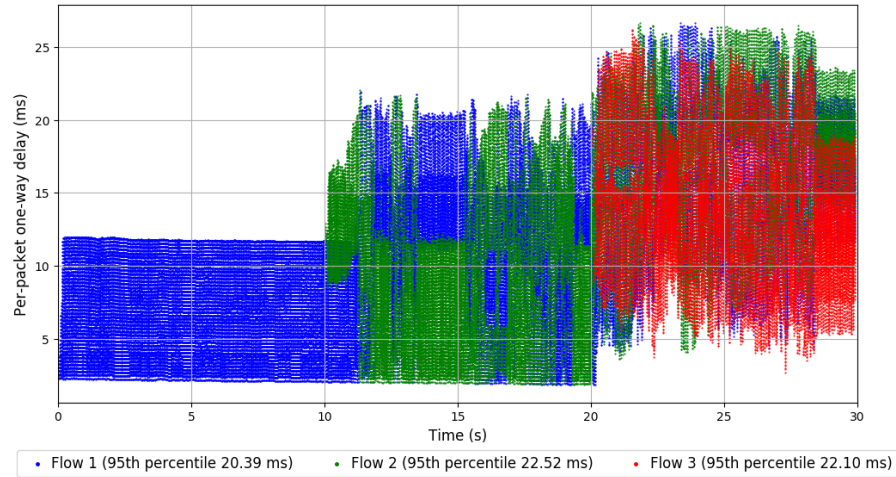
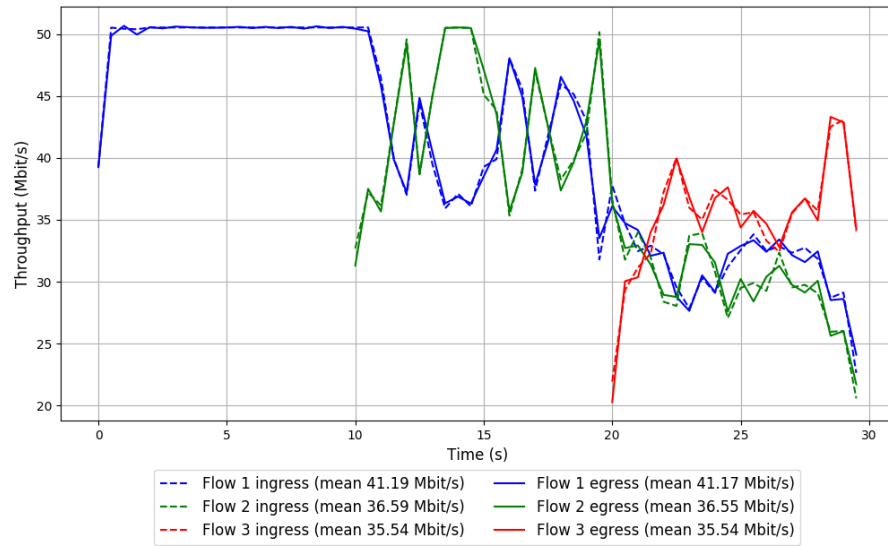


Run 6: Statistics of Sprout

Start at: 2018-03-21 05:00:25
End at: 2018-03-21 05:00:55
Local clock offset: -4.993 ms
Remote clock offset: 1.03 ms

Below is generated by plot.py at 2018-03-21 07:11:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: 21.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 20.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.55 Mbit/s
95th percentile per-packet one-way delay: 22.518 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 22.103 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

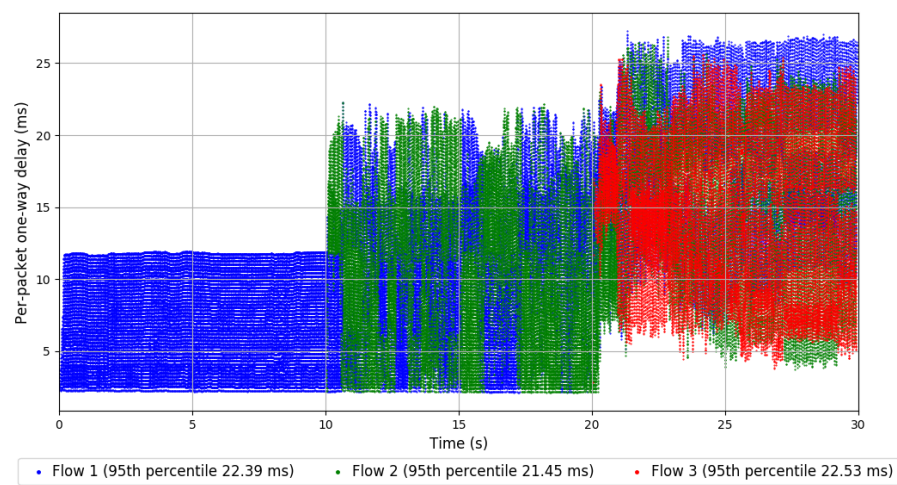
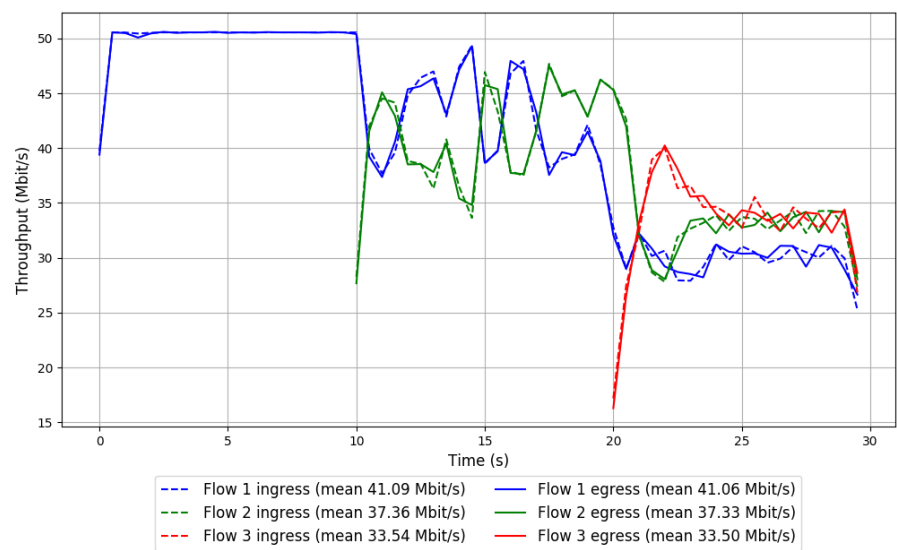


Run 7: Statistics of Sprout

Start at: 2018-03-21 05:20:56
End at: 2018-03-21 05:21:26
Local clock offset: -4.853 ms
Remote clock offset: 13.179 ms

```
# Below is generated by plot.py at 2018-03-21 07:12:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 22.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 22.388 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 21.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.50 Mbit/s
95th percentile per-packet one-way delay: 22.530 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

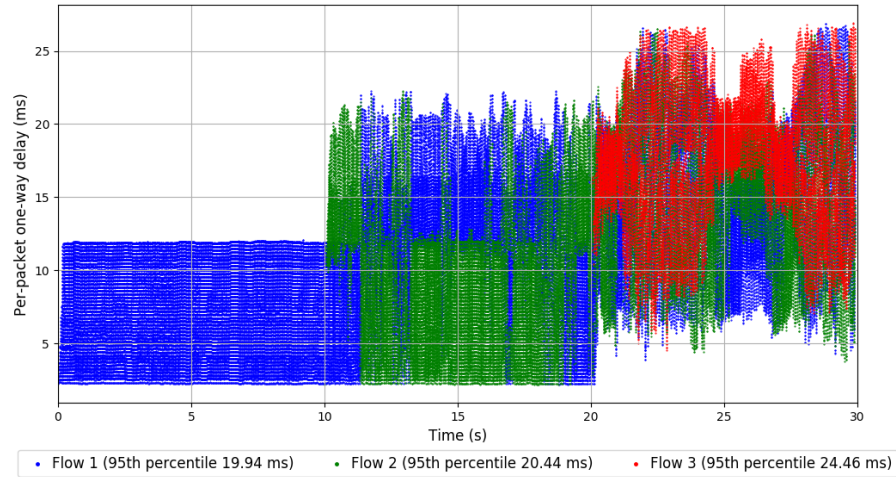
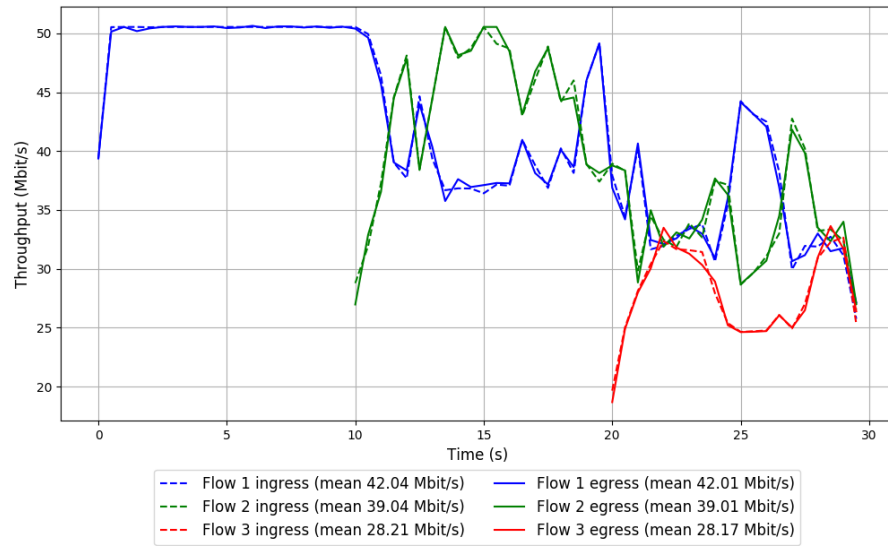


Run 8: Statistics of Sprout

Start at: 2018-03-21 05:41:29
End at: 2018-03-21 05:41:59
Local clock offset: -4.407 ms
Remote clock offset: 18.98 ms

```
# Below is generated by plot.py at 2018-03-21 07:12:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 21.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 19.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.01 Mbit/s
95th percentile per-packet one-way delay: 20.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 24.465 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

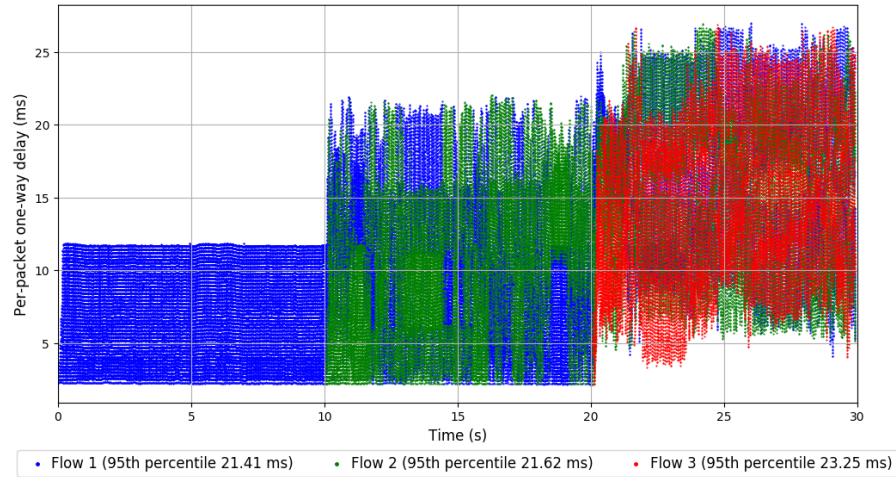
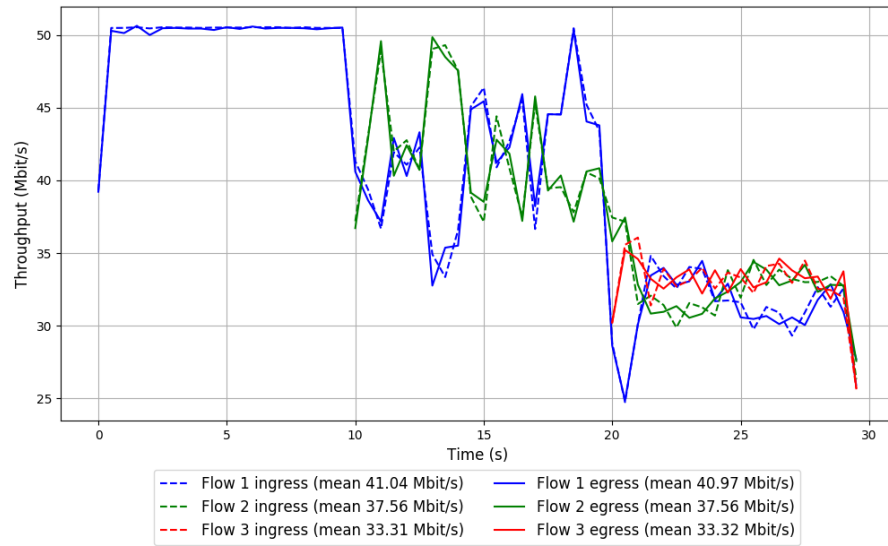


Run 9: Statistics of Sprout

Start at: 2018-03-21 06:02:01
End at: 2018-03-21 06:02:31
Local clock offset: -3.532 ms
Remote clock offset: 24.271 ms

Below is generated by plot.py at 2018-03-21 07:12:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.92 Mbit/s
95th percentile per-packet one-way delay: 21.912 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 21.413 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 37.56 Mbit/s
95th percentile per-packet one-way delay: 21.622 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.32 Mbit/s
95th percentile per-packet one-way delay: 23.250 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

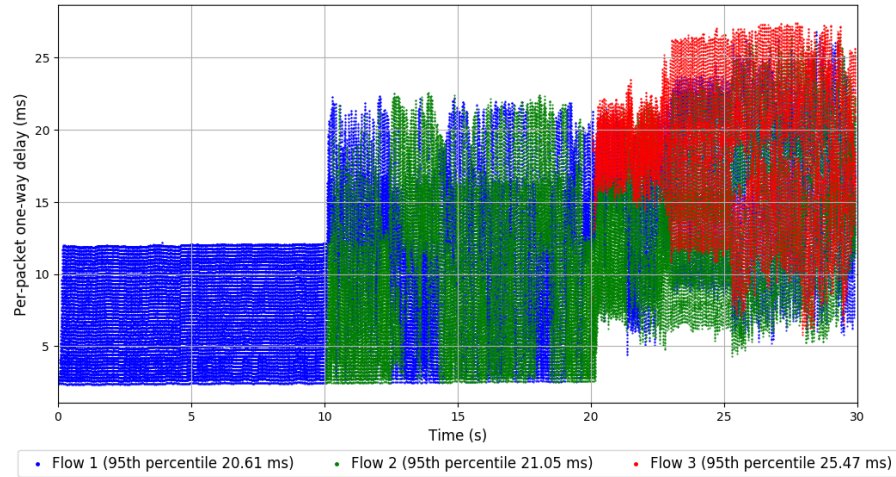
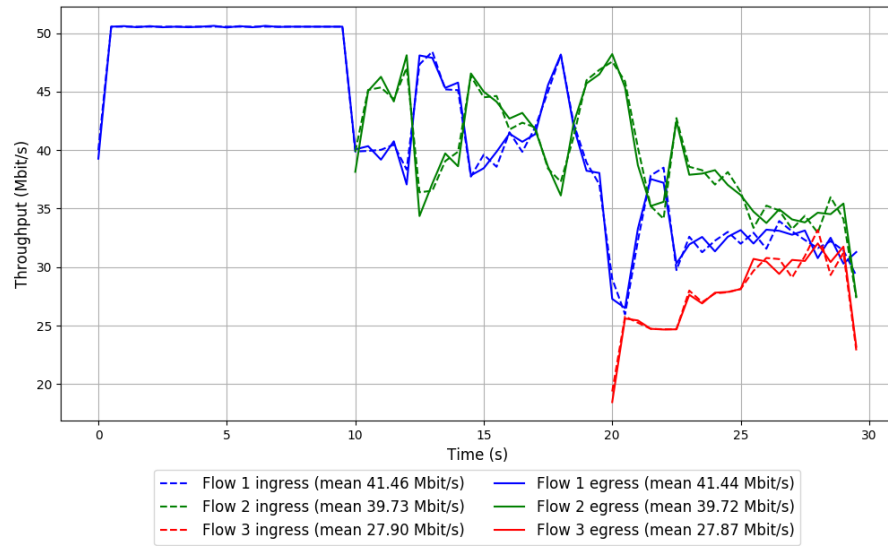


Run 10: Statistics of Sprout

Start at: 2018-03-21 06:22:33
End at: 2018-03-21 06:23:03
Local clock offset: -5.211 ms
Remote clock offset: -2.502 ms

Below is generated by plot.py at 2018-03-21 07:12:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 21.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 20.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 21.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.87 Mbit/s
95th percentile per-packet one-way delay: 25.467 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

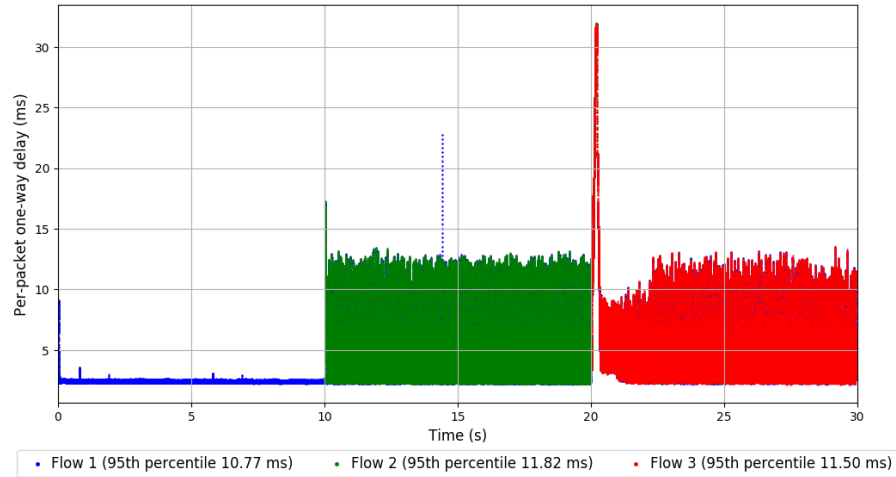
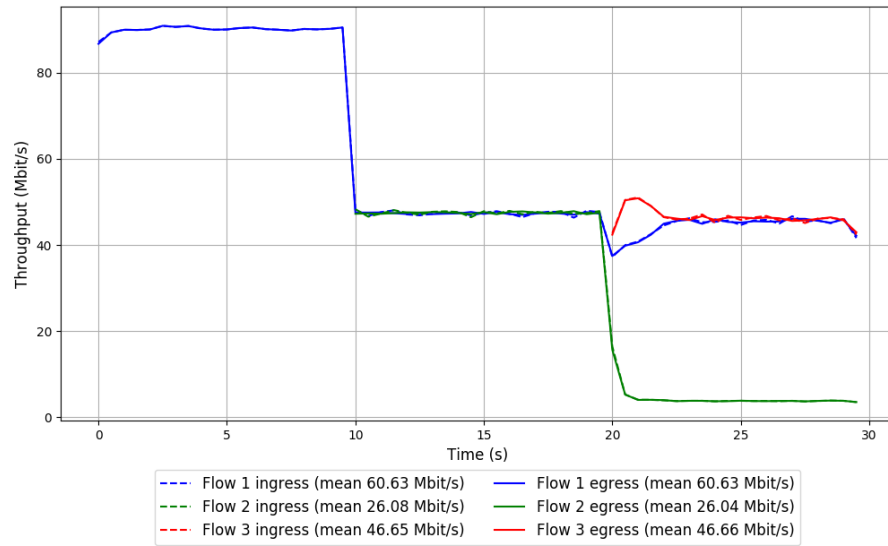


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-03-21 03:28:00
End at: 2018-03-21 03:28:30
Local clock offset: -3.612 ms
Remote clock offset: -2.71 ms

# Below is generated by plot.py at 2018-03-21 07:14:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 11.236 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 10.773 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 11.821 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 11.502 ms
Loss rate: 0.00%
```


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

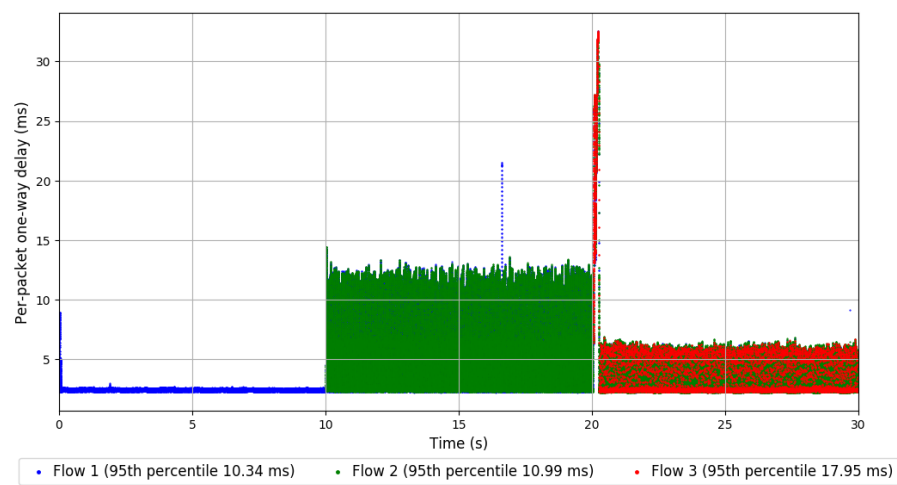
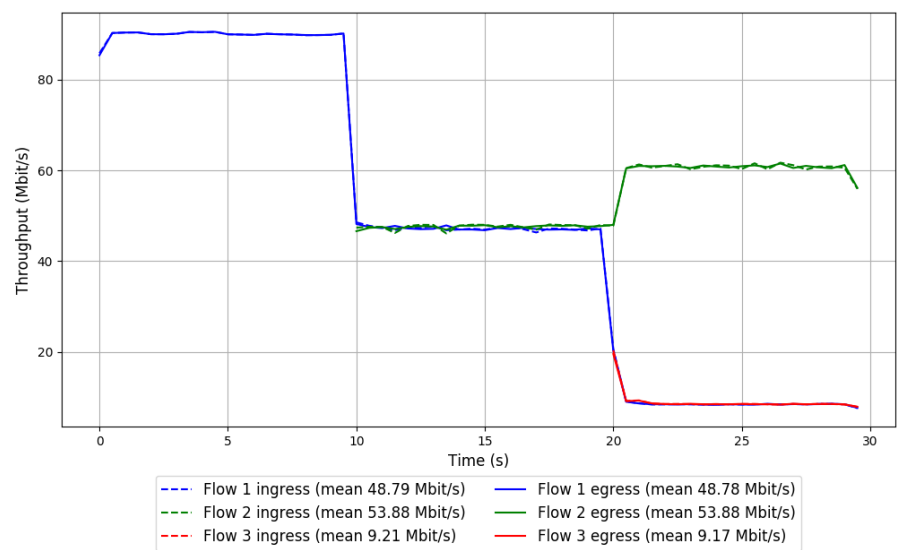


Run 2: Statistics of TaoVA-100x

Start at: 2018-03-21 03:48:33
End at: 2018-03-21 03:49:03
Local clock offset: -4.004 ms
Remote clock offset: -0.405 ms

Below is generated by plot.py at 2018-03-21 07:14:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.71 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.78 Mbit/s
95th percentile per-packet one-way delay: 10.339 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 10.993 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 17.948 ms
Loss rate: 0.42%

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

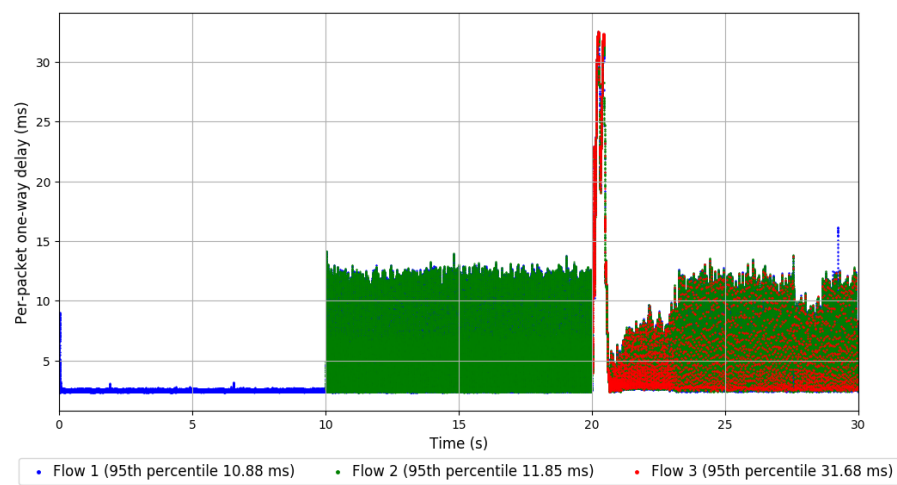
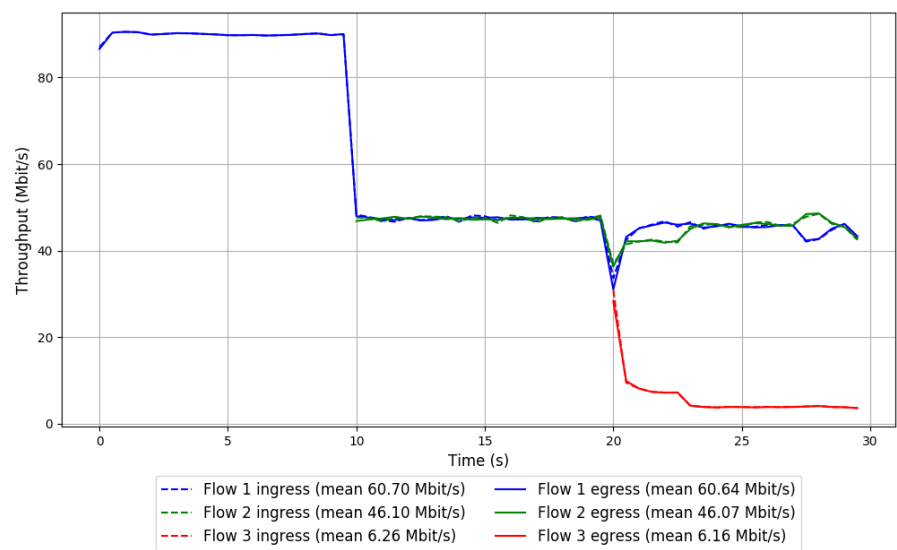


Run 3: Statistics of TaoVA-100x

Start at: 2018-03-21 04:09:05
End at: 2018-03-21 04:09:35
Local clock offset: -3.678 ms
Remote clock offset: -5.916 ms

Below is generated by plot.py at 2018-03-21 07:14:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 11.463 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 10.882 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 46.07 Mbit/s
95th percentile per-packet one-way delay: 11.846 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 6.16 Mbit/s
95th percentile per-packet one-way delay: 31.684 ms
Loss rate: 1.61%

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

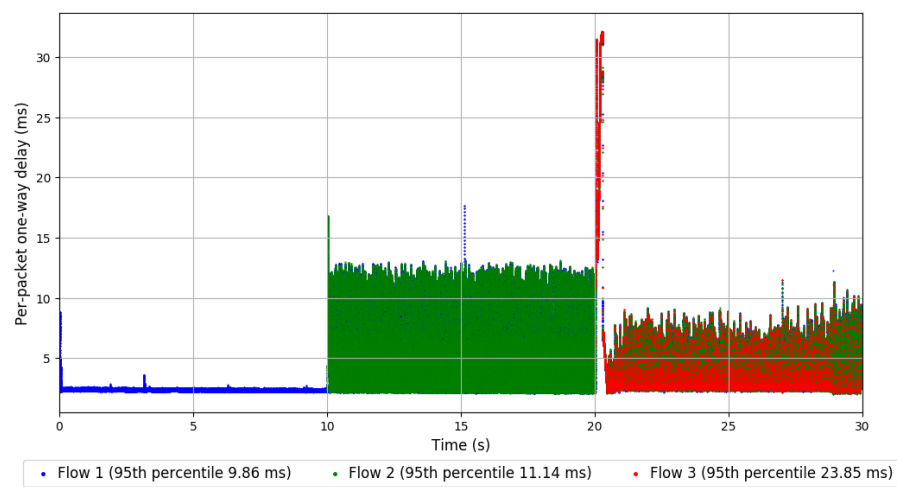
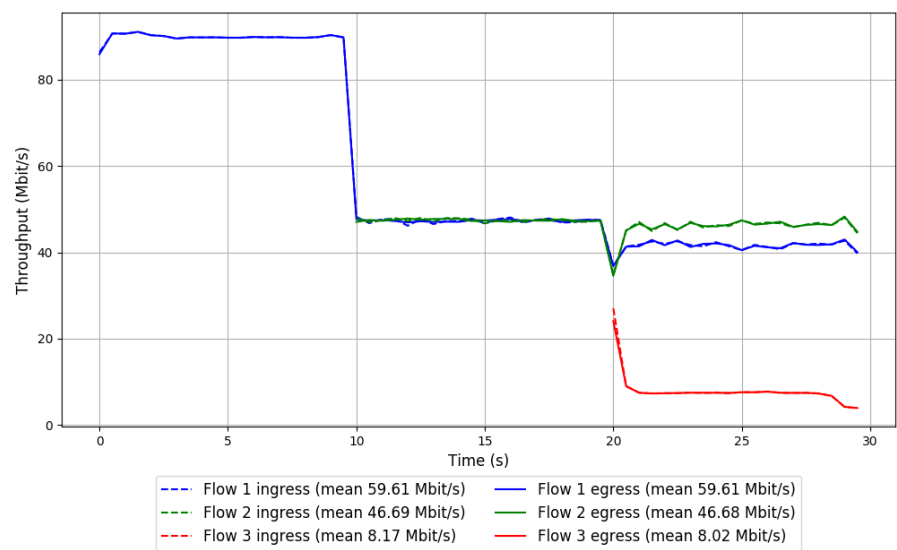


Run 4: Statistics of TaoVA-100x

Start at: 2018-03-21 04:29:38
End at: 2018-03-21 04:30:08
Local clock offset: -3.58 ms
Remote clock offset: -4.751 ms

Below is generated by plot.py at 2018-03-21 07:14:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 10.580 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 9.858 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 11.137 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 23.847 ms
Loss rate: 1.77%

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

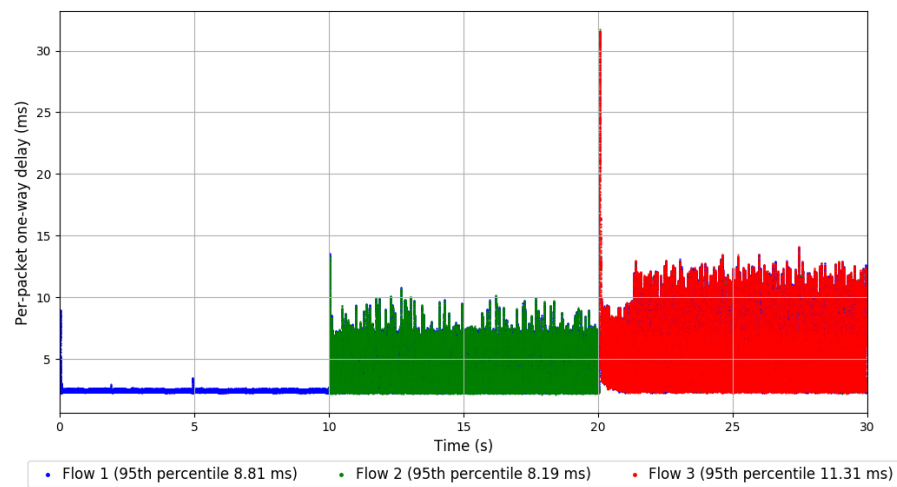
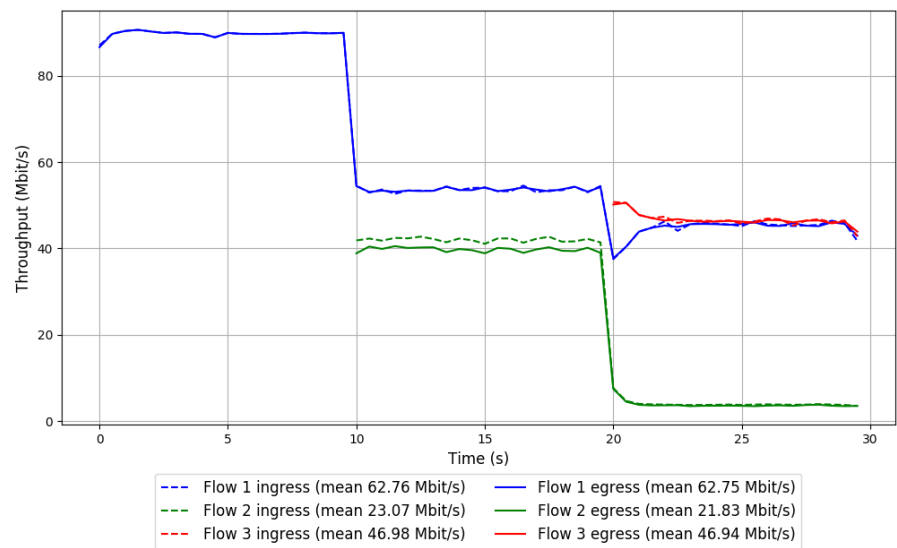


Run 5: Statistics of TaoVA-100x

Start at: 2018-03-21 04:50:10
End at: 2018-03-21 04:50:40
Local clock offset: -4.831 ms
Remote clock offset: -1.832 ms

Below is generated by plot.py at 2018-03-21 07:14:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 9.643 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 8.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 8.190 ms
Loss rate: 5.35%
-- Flow 3:
Average throughput: 46.94 Mbit/s
95th percentile per-packet one-way delay: 11.315 ms
Loss rate: 0.03%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-03-21 05:10:40

End at: 2018-03-21 05:11:10

Local clock offset: -4.944 ms

Remote clock offset: 9.037 ms

Below is generated by plot.py at 2018-03-21 07:14:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 10.713 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 49.21 Mbit/s

95th percentile per-packet one-way delay: 10.367 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 11.751 ms

Loss rate: 0.04%

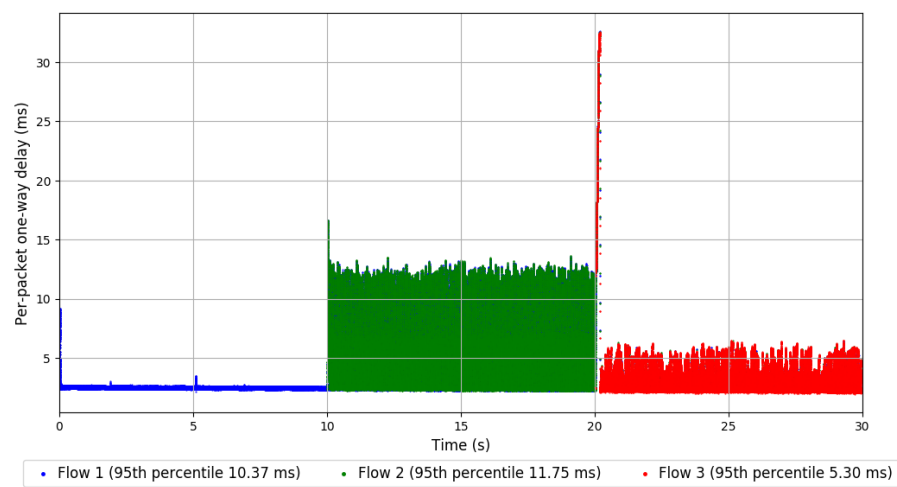
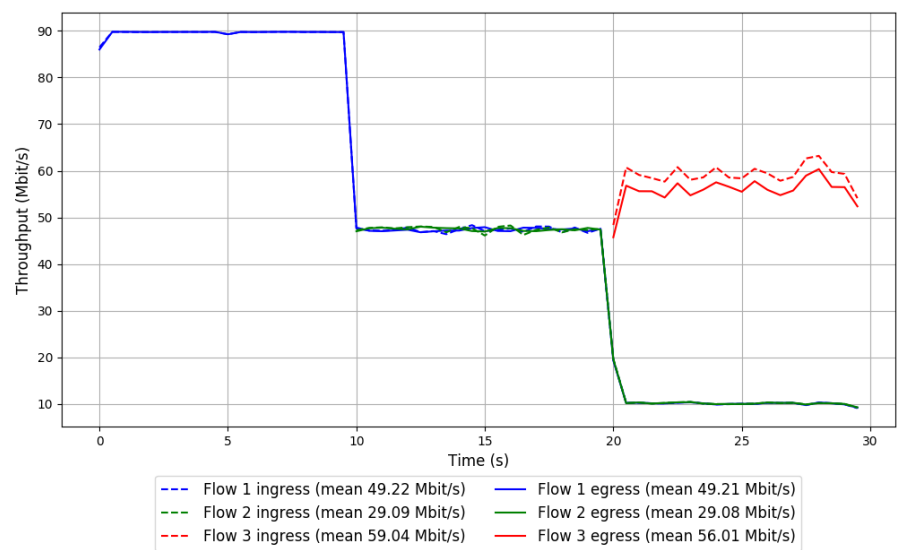
-- Flow 3:

Average throughput: 56.01 Mbit/s

95th percentile per-packet one-way delay: 5.296 ms

Loss rate: 5.13%

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

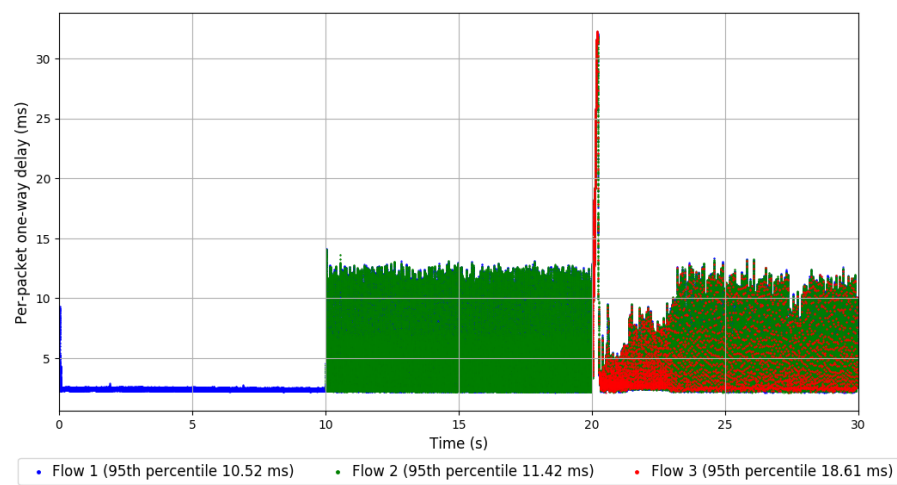
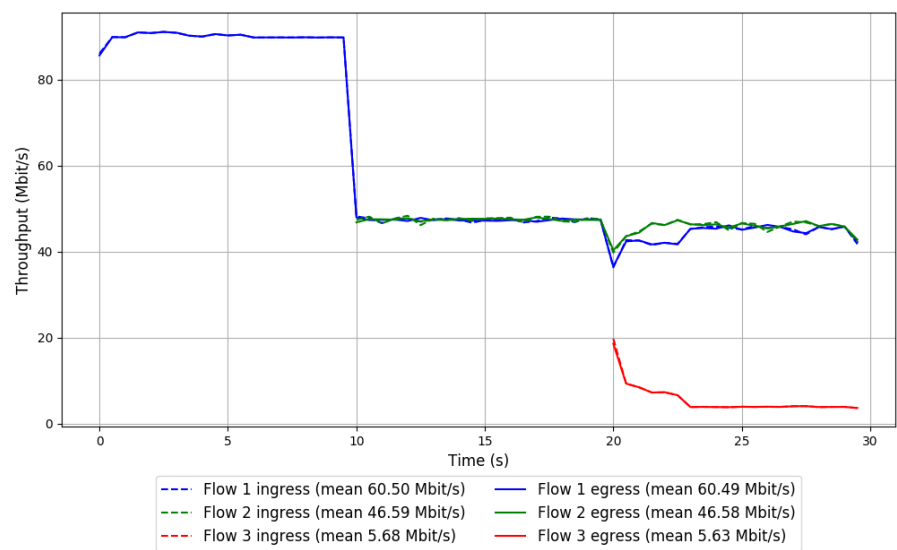


Run 7: Statistics of TaoVA-100x

Start at: 2018-03-21 05:31:12
End at: 2018-03-21 05:31:42
Local clock offset: -4.944 ms
Remote clock offset: 16.189 ms

Below is generated by plot.py at 2018-03-21 07:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 11.005 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 60.49 Mbit/s
95th percentile per-packet one-way delay: 10.521 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 11.417 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.63 Mbit/s
95th percentile per-packet one-way delay: 18.606 ms
Loss rate: 0.97%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-03-21 05:51:44

End at: 2018-03-21 05:52:14

Local clock offset: -3.867 ms

Remote clock offset: 21.63 ms

Below is generated by plot.py at 2018-03-21 07:15:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.33 Mbit/s

95th percentile per-packet one-way delay: 11.081 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 47.30 Mbit/s

95th percentile per-packet one-way delay: 10.535 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 45.48 Mbit/s

95th percentile per-packet one-way delay: 11.473 ms

Loss rate: 0.10%

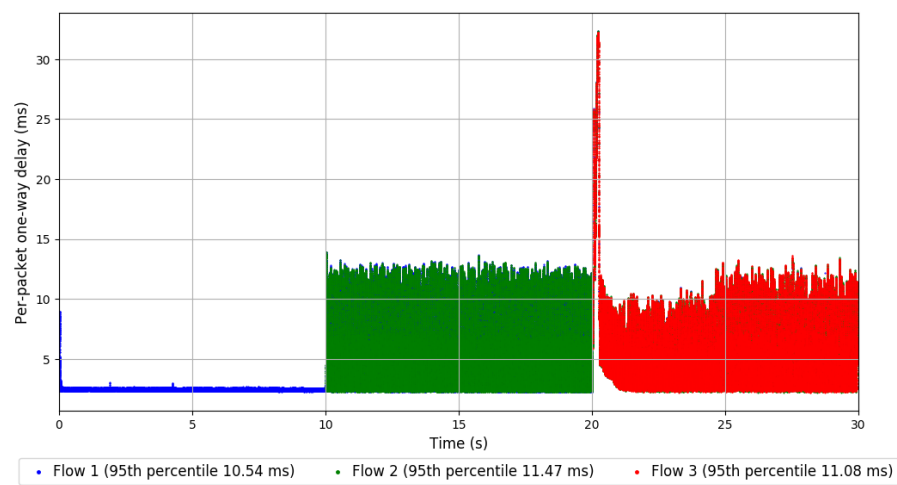
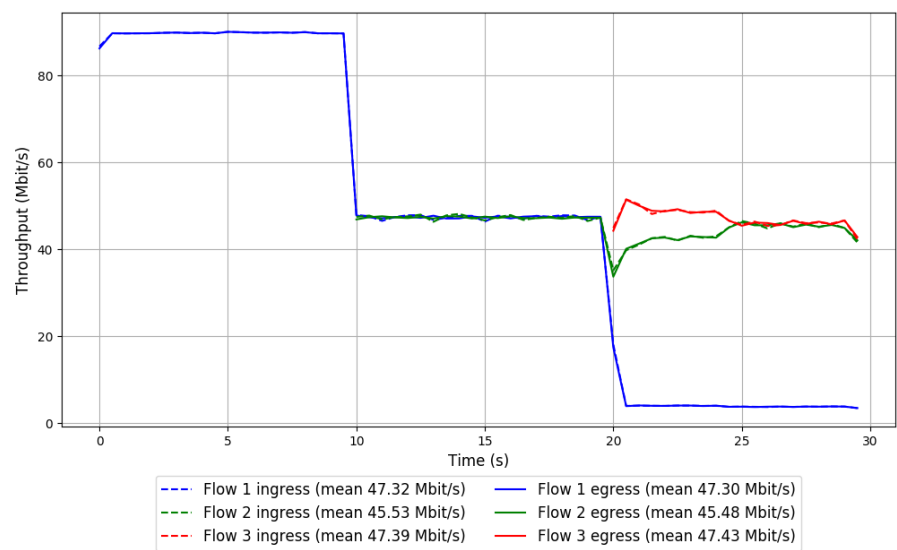
-- Flow 3:

Average throughput: 47.43 Mbit/s

95th percentile per-packet one-way delay: 11.082 ms

Loss rate: 0.00%

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

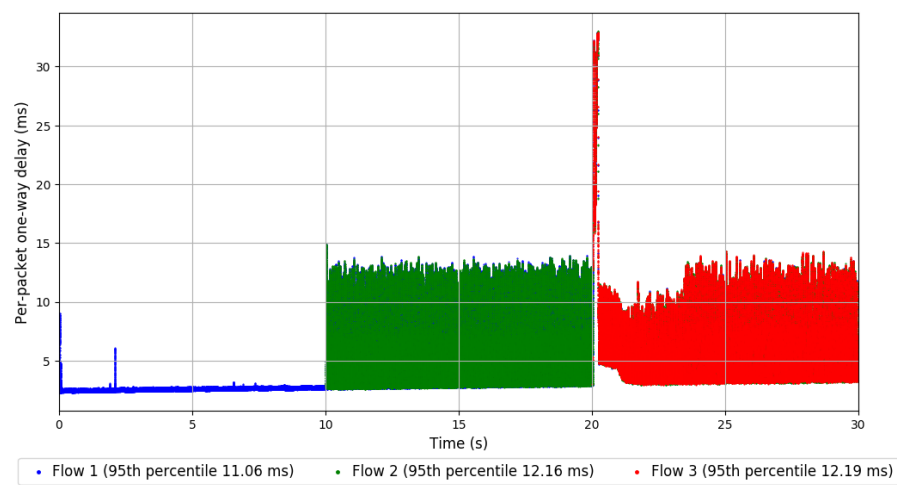
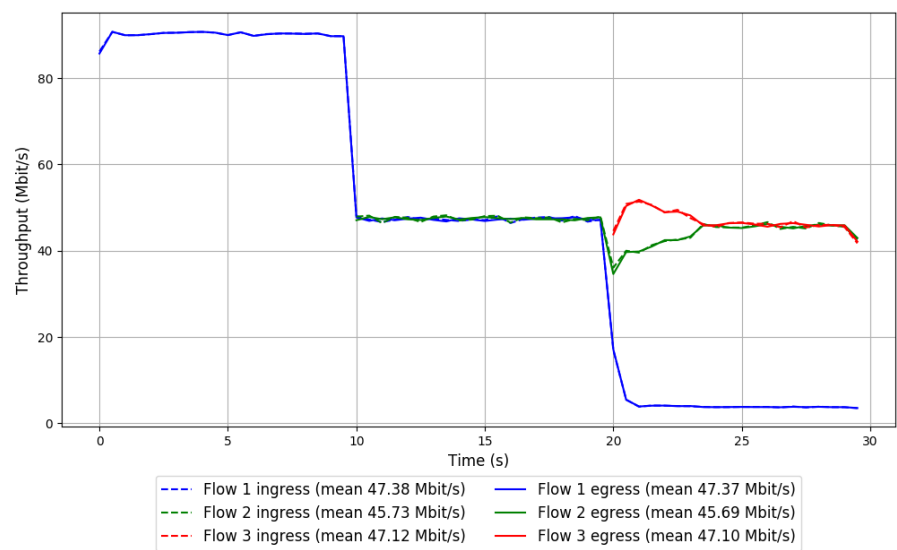


Run 9: Statistics of TaoVA-100x

Start at: 2018-03-21 06:12:16
End at: 2018-03-21 06:12:46
Local clock offset: -3.658 ms
Remote clock offset: 10.608 ms

Below is generated by plot.py at 2018-03-21 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 11.792 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.37 Mbit/s
95th percentile per-packet one-way delay: 11.063 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 12.162 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 12.188 ms
Loss rate: 0.04%

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

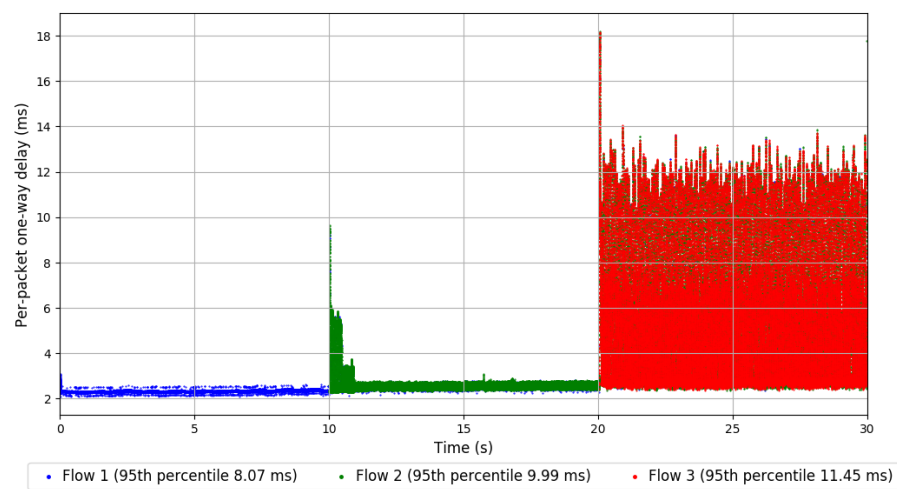
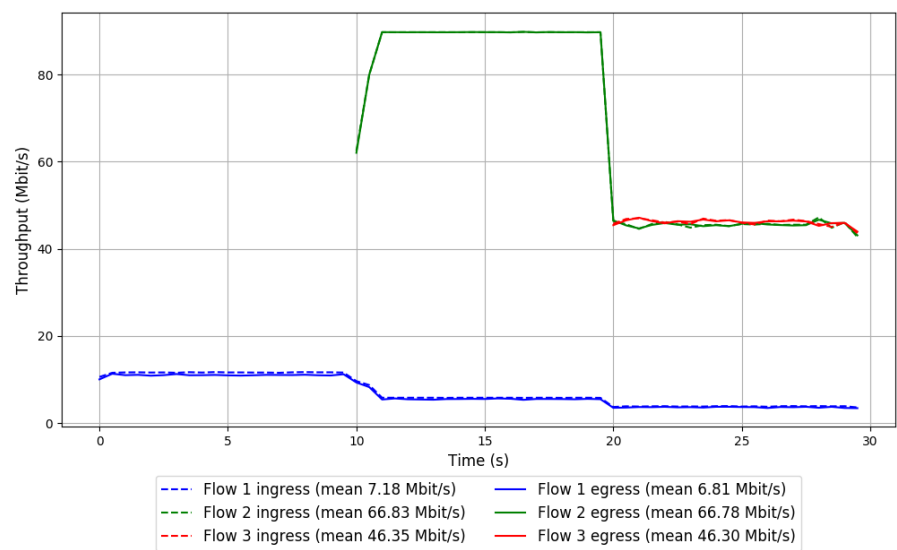


Run 10: Statistics of TaoVA-100x

Start at: 2018-03-21 06:32:49
End at: 2018-03-21 06:33:19
Local clock offset: -5.896 ms
Remote clock offset: -8.447 ms

Below is generated by plot.py at 2018-03-21 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: 10.596 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 6.81 Mbit/s
95th percentile per-packet one-way delay: 8.069 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 66.78 Mbit/s
95th percentile per-packet one-way delay: 9.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 11.452 ms
Loss rate: 0.00%

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

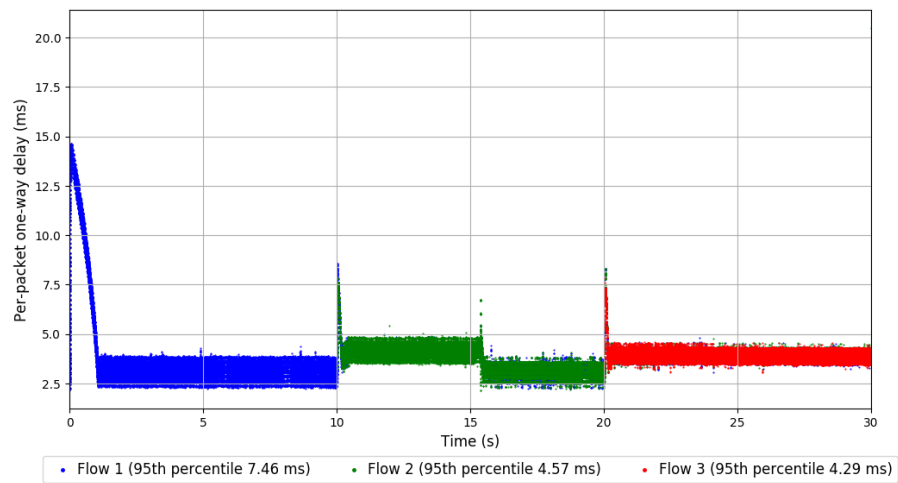
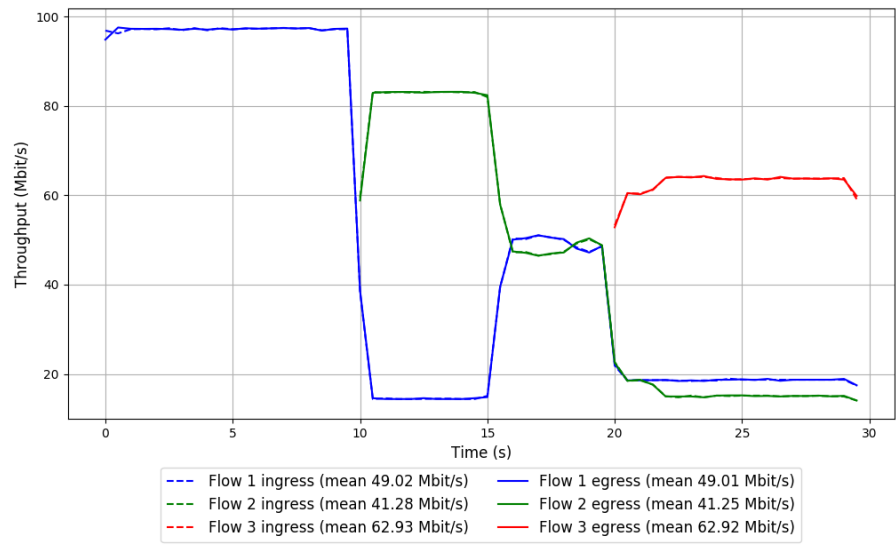


Run 1: Statistics of TCP Vegas

Start at: 2018-03-21 03:29:11
End at: 2018-03-21 03:29:41
Local clock offset: -3.62 ms
Remote clock offset: -2.482 ms

Below is generated by plot.py at 2018-03-21 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 4.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 7.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.25 Mbit/s
95th percentile per-packet one-way delay: 4.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: 4.291 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-03-21 03:49:44

End at: 2018-03-21 03:50:14

Local clock offset: -4.059 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-03-21 07:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 7.944 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 48.78 Mbit/s

95th percentile per-packet one-way delay: 12.991 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 4.741 ms

Loss rate: 0.00%

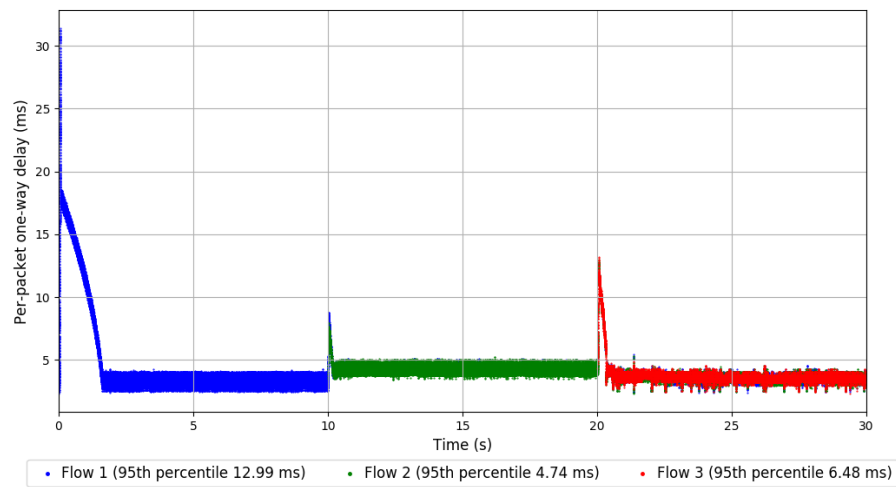
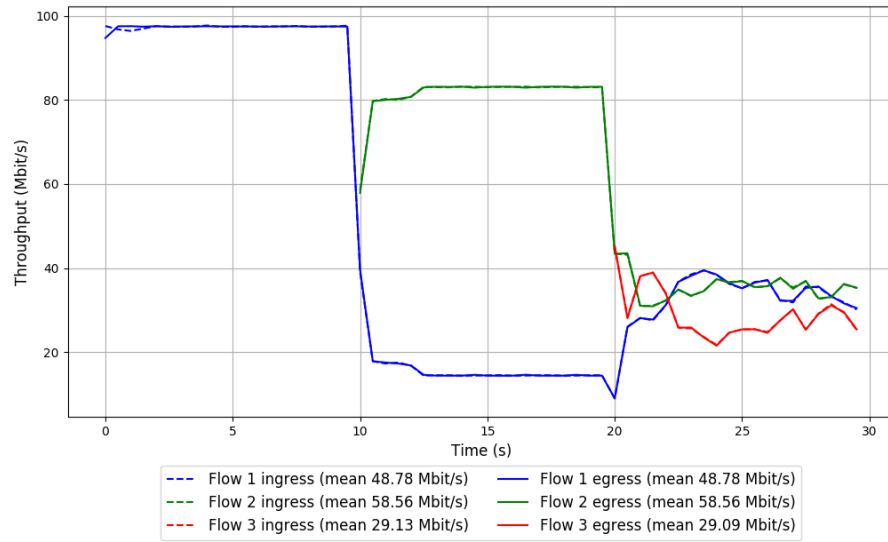
-- Flow 3:

Average throughput: 29.09 Mbit/s

95th percentile per-packet one-way delay: 6.480 ms

Loss rate: 0.13%

Run 2: Report of TCP Vegas — Data Link

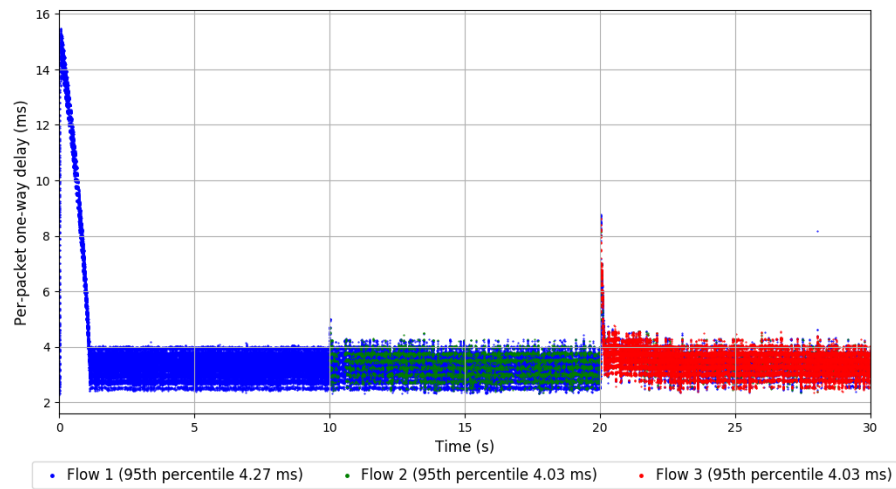
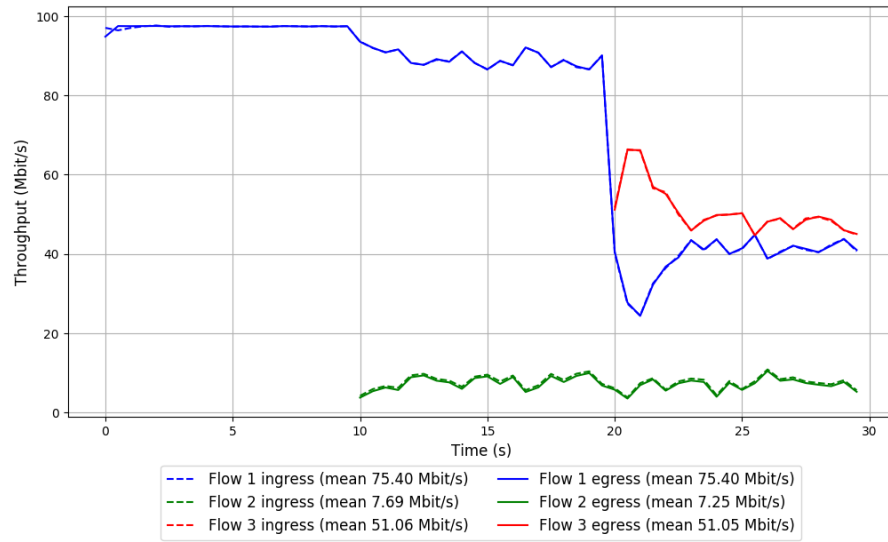


Run 3: Statistics of TCP Vegas

Start at: 2018-03-21 04:10:16
End at: 2018-03-21 04:10:46
Local clock offset: -3.702 ms
Remote clock offset: -6.107 ms

Below is generated by plot.py at 2018-03-21 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.068 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 75.40 Mbit/s
95th percentile per-packet one-way delay: 4.269 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.25 Mbit/s
95th percentile per-packet one-way delay: 4.026 ms
Loss rate: 5.82%
-- Flow 3:
Average throughput: 51.05 Mbit/s
95th percentile per-packet one-way delay: 4.034 ms
Loss rate: 0.01%

Run 3: Report of TCP Vegas — Data Link

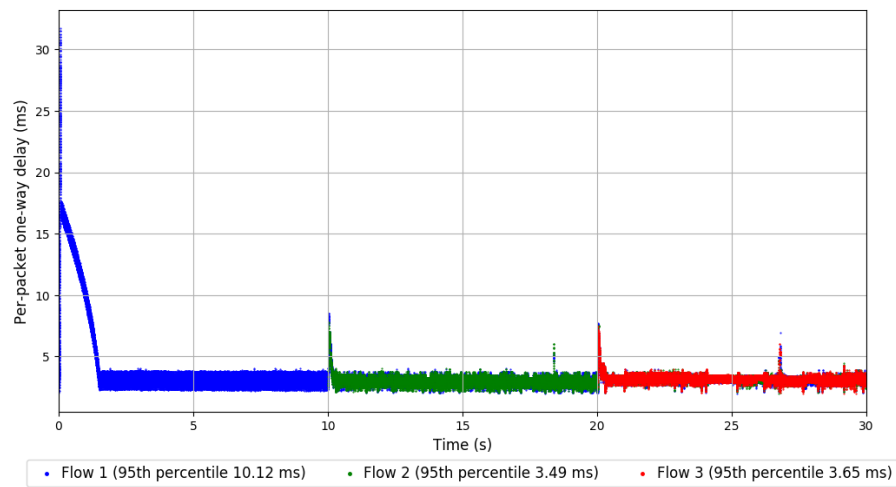
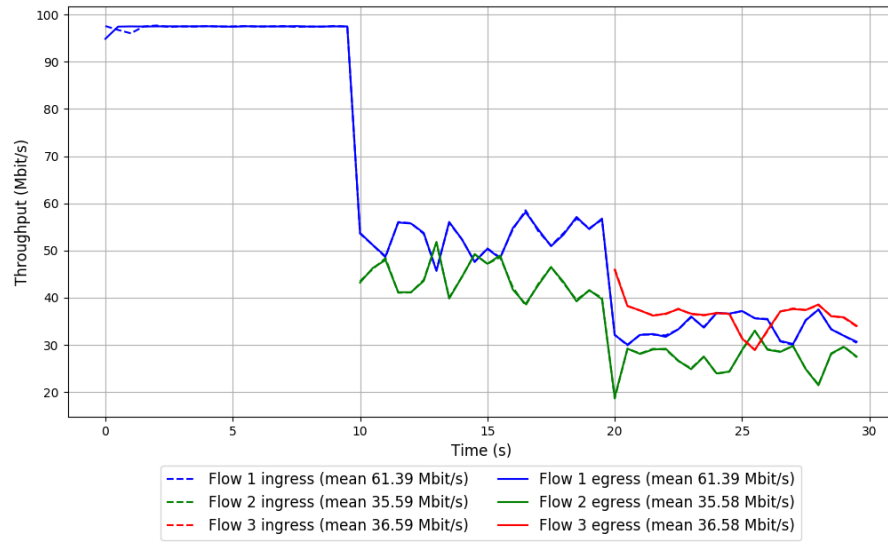


Run 4: Statistics of TCP Vegas

Start at: 2018-03-21 04:30:49
End at: 2018-03-21 04:31:19
Local clock offset: -3.69 ms
Remote clock offset: -4.423 ms

Below is generated by plot.py at 2018-03-21 07:16:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.098 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 10.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.58 Mbit/s
95th percentile per-packet one-way delay: 3.494 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 36.58 Mbit/s
95th percentile per-packet one-way delay: 3.652 ms
Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-03-21 04:51:22

End at: 2018-03-21 04:51:52

Local clock offset: -4.877 ms

Remote clock offset: -1.74 ms

Below is generated by plot.py at 2018-03-21 07:16:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.49 Mbit/s

95th percentile per-packet one-way delay: 4.224 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 7.43 Mbit/s

95th percentile per-packet one-way delay: 3.970 ms

Loss rate: 5.55%

-- Flow 2:

Average throughput: 63.78 Mbit/s

95th percentile per-packet one-way delay: 6.953 ms

Loss rate: 0.00%

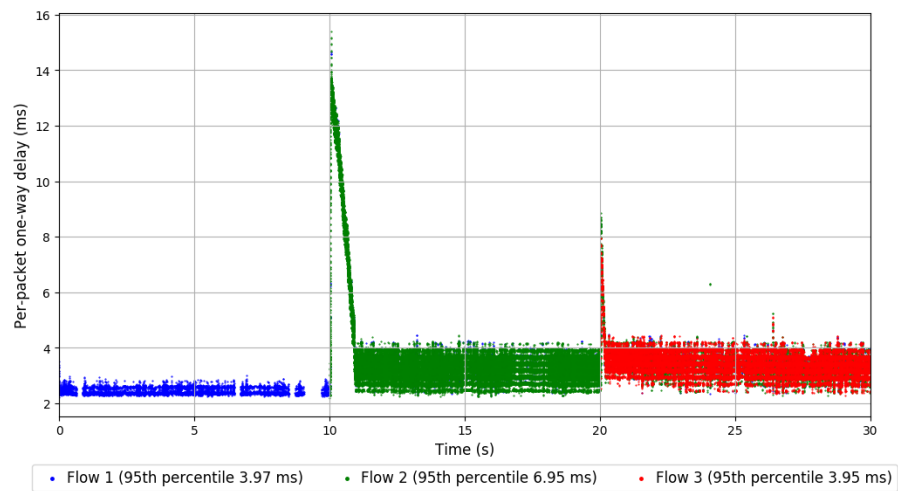
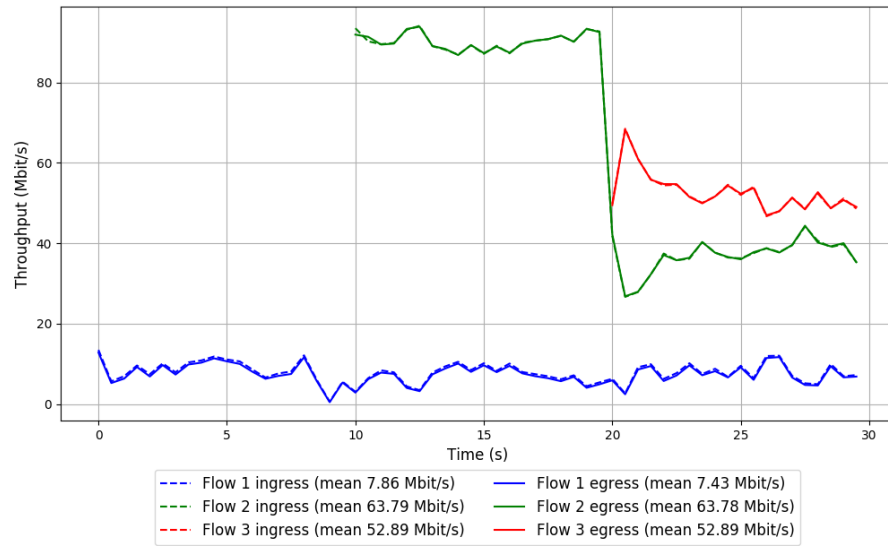
-- Flow 3:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 3.954 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-03-21 05:11:51

End at: 2018-03-21 05:12:21

Local clock offset: -4.861 ms

Remote clock offset: 9.426 ms

Below is generated by plot.py at 2018-03-21 07:16:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.26 Mbit/s

95th percentile per-packet one-way delay: 5.760 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 11.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.26 Mbit/s

95th percentile per-packet one-way delay: 3.605 ms

Loss rate: 0.11%

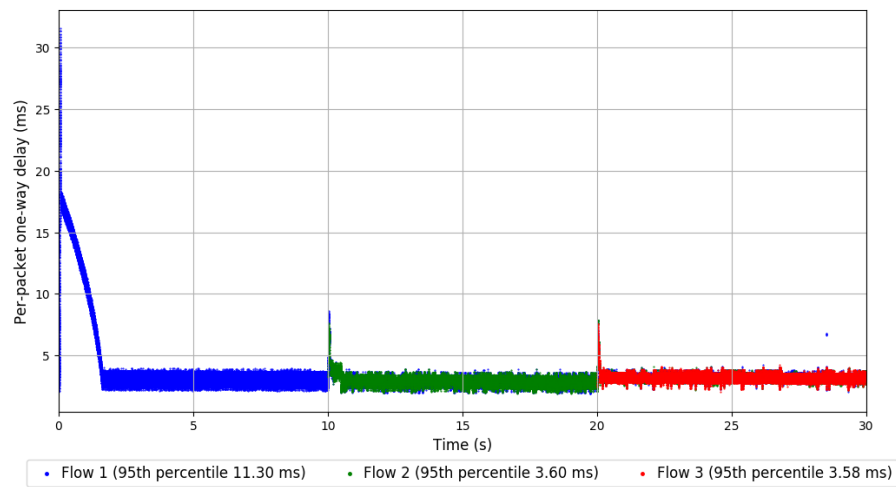
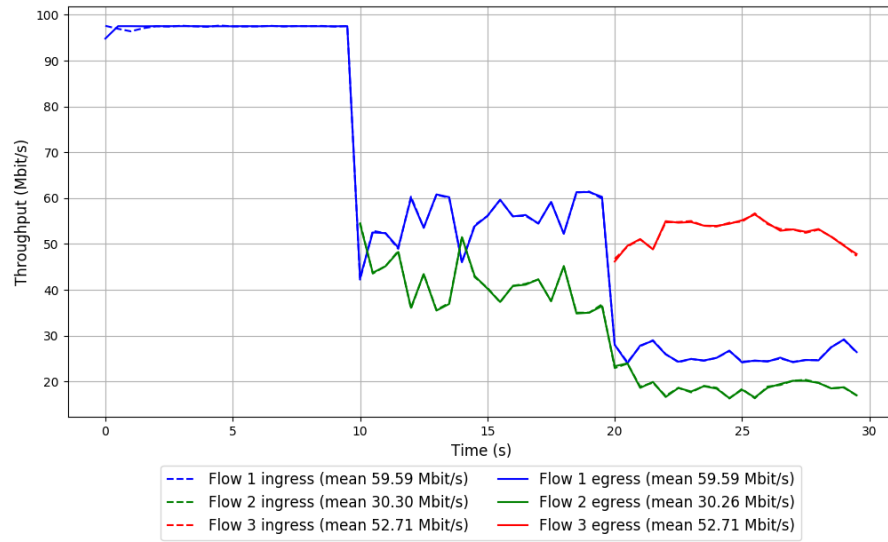
-- Flow 3:

Average throughput: 52.71 Mbit/s

95th percentile per-packet one-way delay: 3.576 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-03-21 05:32:23

End at: 2018-03-21 05:32:53

Local clock offset: -4.915 ms

Remote clock offset: 16.63 ms

Below is generated by plot.py at 2018-03-21 07:16:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.52 Mbit/s

95th percentile per-packet one-way delay: 3.872 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 23.29 Mbit/s

95th percentile per-packet one-way delay: 3.691 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 60.99 Mbit/s

95th percentile per-packet one-way delay: 5.142 ms

Loss rate: 0.00%

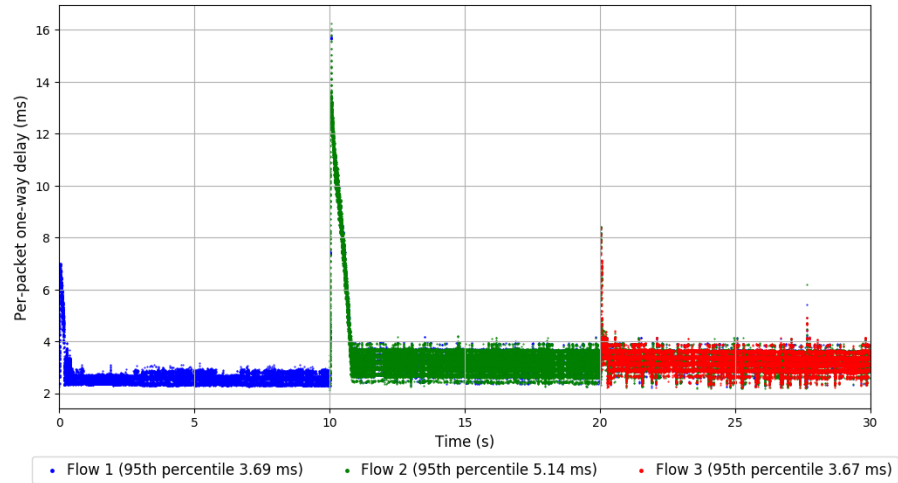
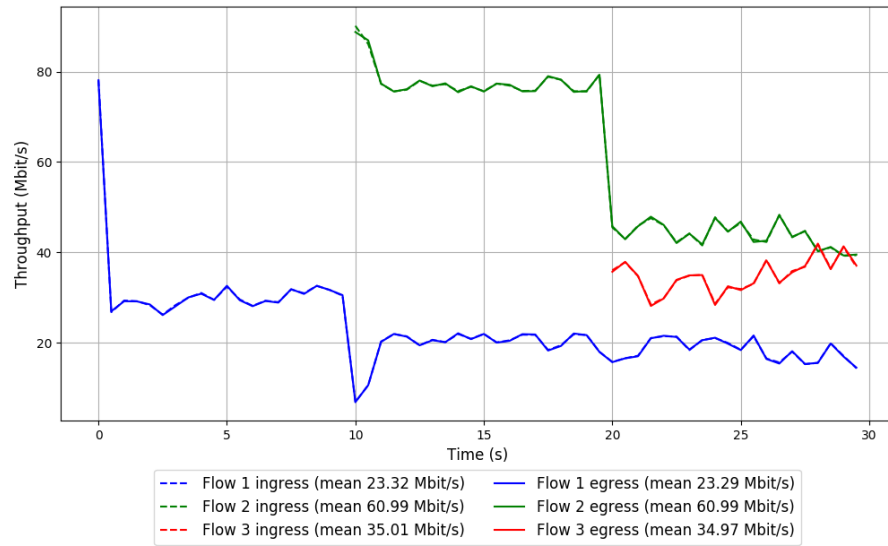
-- Flow 3:

Average throughput: 34.97 Mbit/s

95th percentile per-packet one-way delay: 3.668 ms

Loss rate: 0.10%

Run 7: Report of TCP Vegas — Data Link

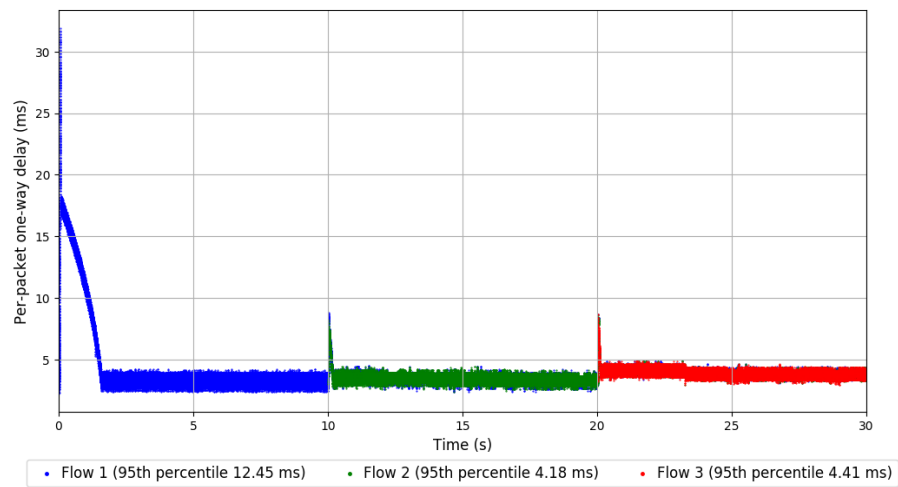
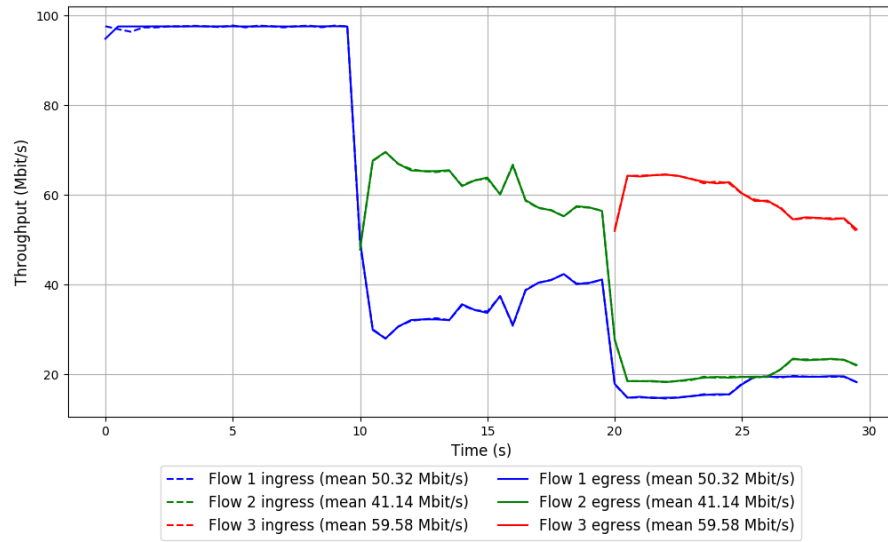


Run 8: Statistics of TCP Vegas

Start at: 2018-03-21 05:52:56
End at: 2018-03-21 05:53:26
Local clock offset: -3.76 ms
Remote clock offset: 22.002 ms

Below is generated by plot.py at 2018-03-21 07:17:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 5.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.32 Mbit/s
95th percentile per-packet one-way delay: 12.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.14 Mbit/s
95th percentile per-packet one-way delay: 4.182 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 59.58 Mbit/s
95th percentile per-packet one-way delay: 4.413 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

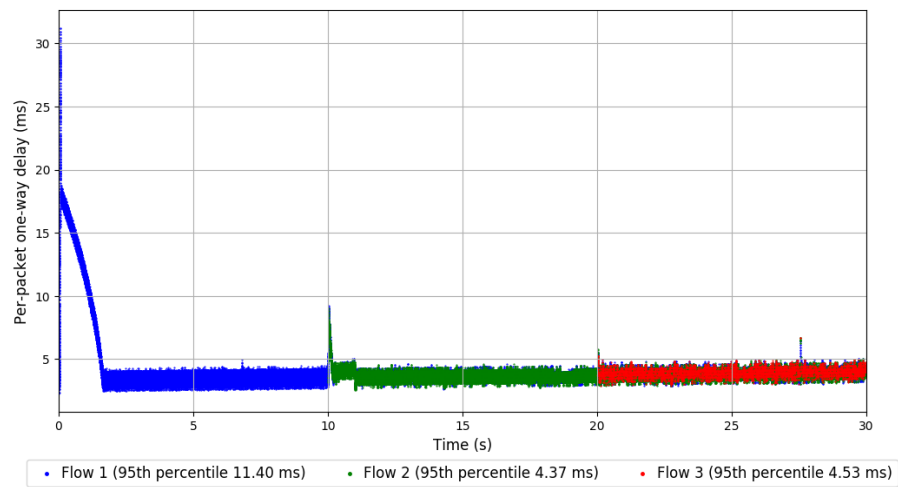
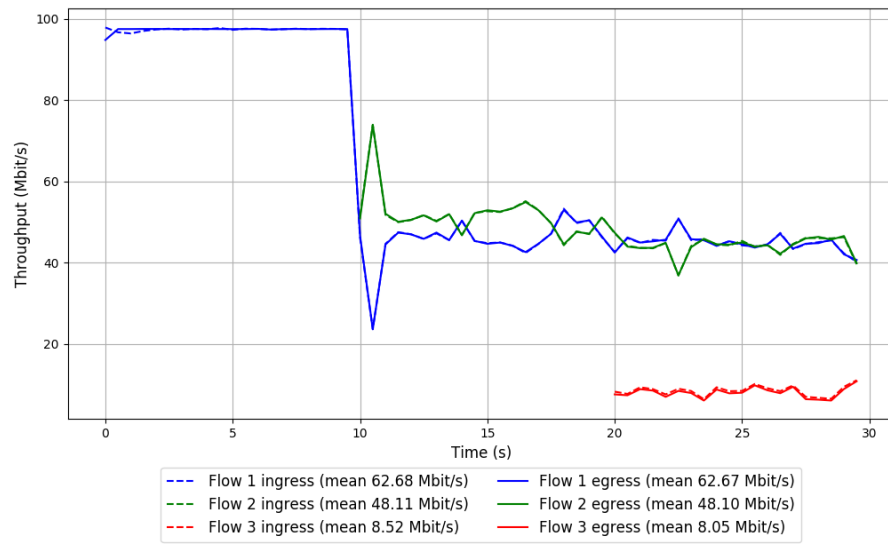


Run 9: Statistics of TCP Vegas

Start at: 2018-03-21 06:13:28
End at: 2018-03-21 06:13:58
Local clock offset: -3.896 ms
Remote clock offset: 8.402 ms

Below is generated by plot.py at 2018-03-21 07:17:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 6.261 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 62.67 Mbit/s
95th percentile per-packet one-way delay: 11.400 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 48.10 Mbit/s
95th percentile per-packet one-way delay: 4.371 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 4.527 ms
Loss rate: 5.47%

Run 9: Report of TCP Vegas — Data Link

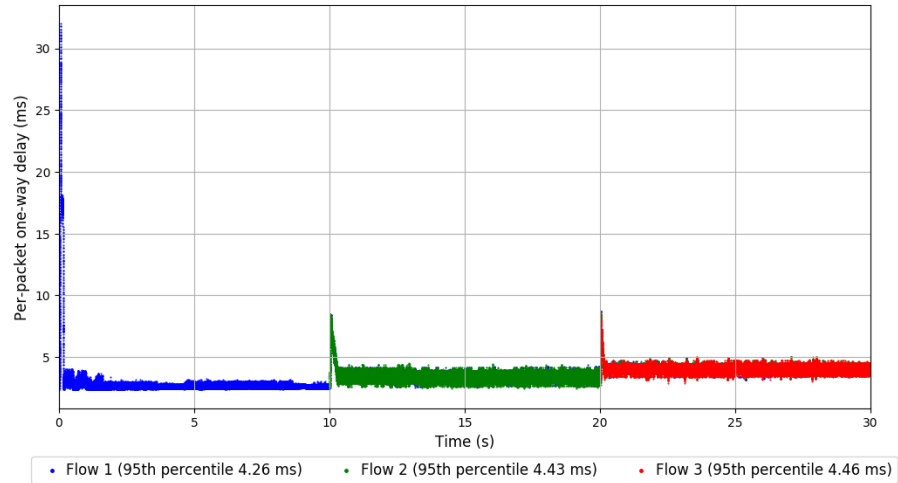
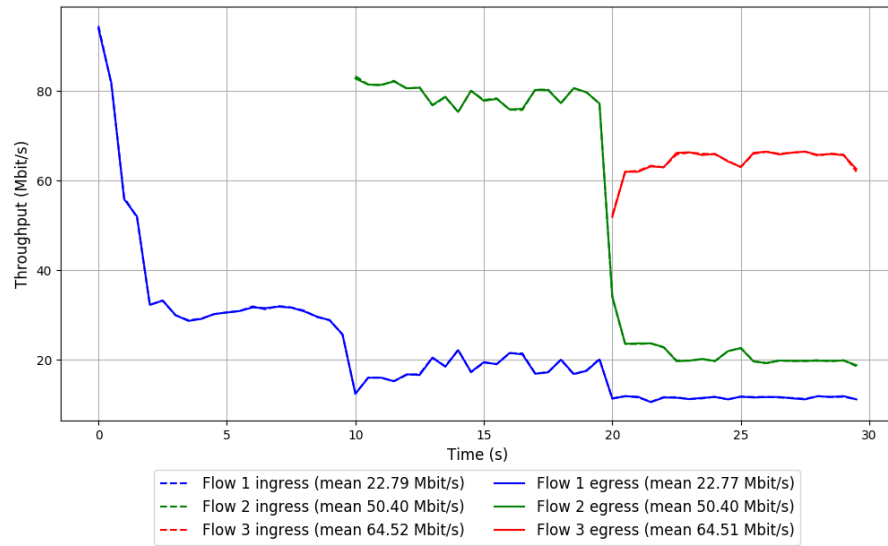


Run 10: Statistics of TCP Vegas

Start at: 2018-03-21 06:33:59
End at: 2018-03-21 06:34:29
Local clock offset: -5.955 ms
Remote clock offset: -8.755 ms

Below is generated by plot.py at 2018-03-21 07:17:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 4.441 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 4.258 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 50.40 Mbit/s
95th percentile per-packet one-way delay: 4.434 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.51 Mbit/s
95th percentile per-packet one-way delay: 4.457 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

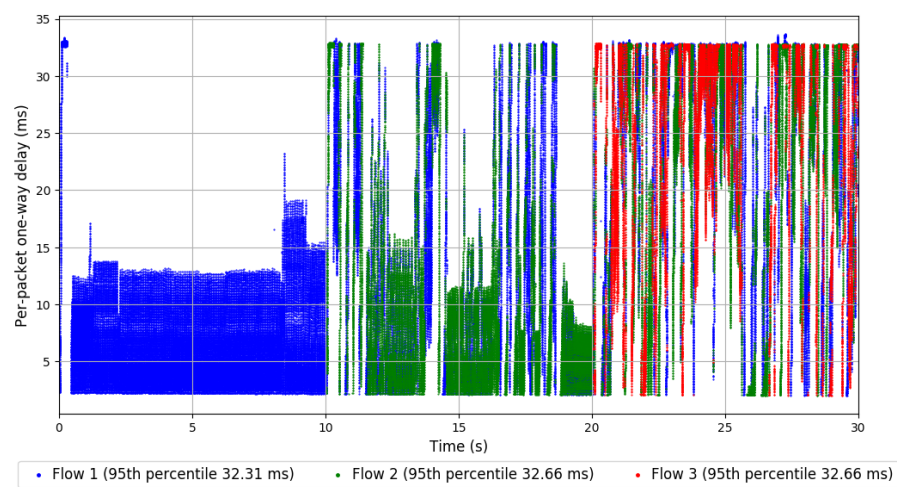
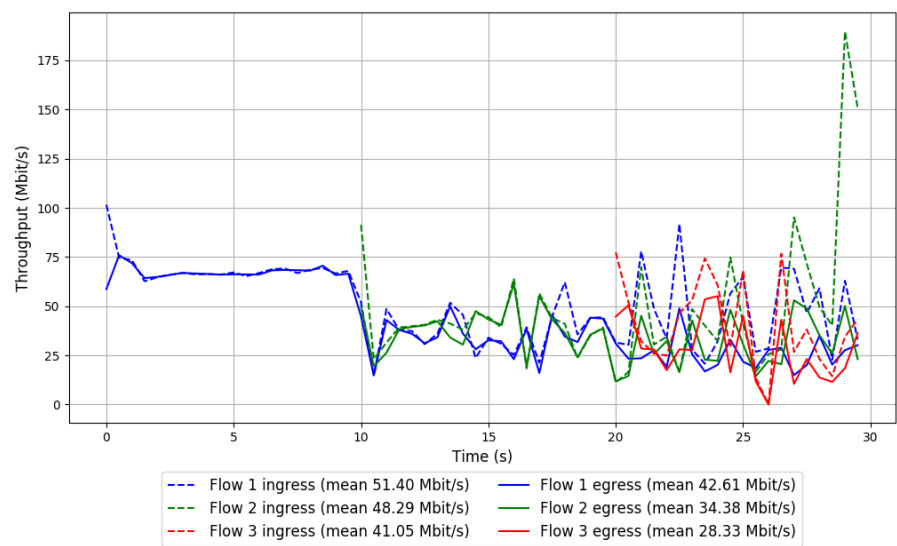


Run 1: Statistics of Verus

Start at: 2018-03-21 03:16:35
End at: 2018-03-21 03:17:05
Local clock offset: -2.724 ms
Remote clock offset: -6.271 ms

Below is generated by plot.py at 2018-03-21 07:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.89 Mbit/s
95th percentile per-packet one-way delay: 32.634 ms
Loss rate: 22.84%
-- Flow 1:
Average throughput: 42.61 Mbit/s
95th percentile per-packet one-way delay: 32.306 ms
Loss rate: 17.06%
-- Flow 2:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 32.655 ms
Loss rate: 28.70%
-- Flow 3:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 32.662 ms
Loss rate: 30.85%

Run 1: Report of Verus — Data Link

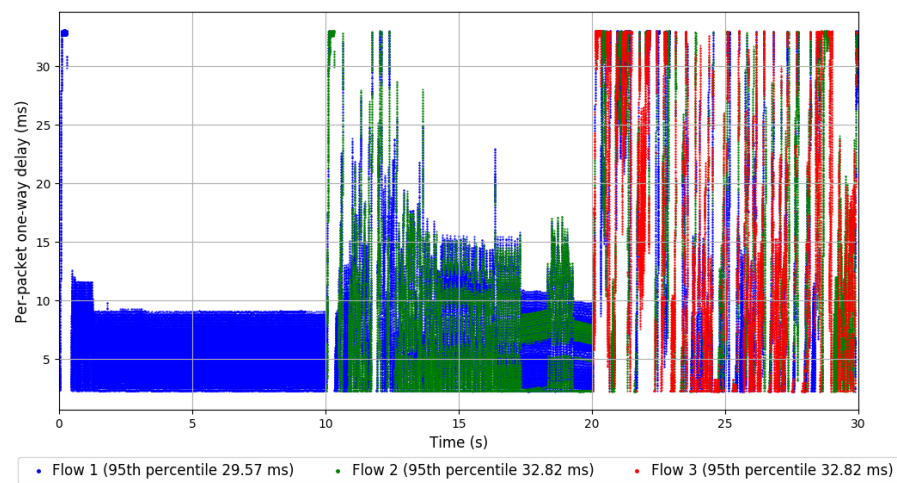
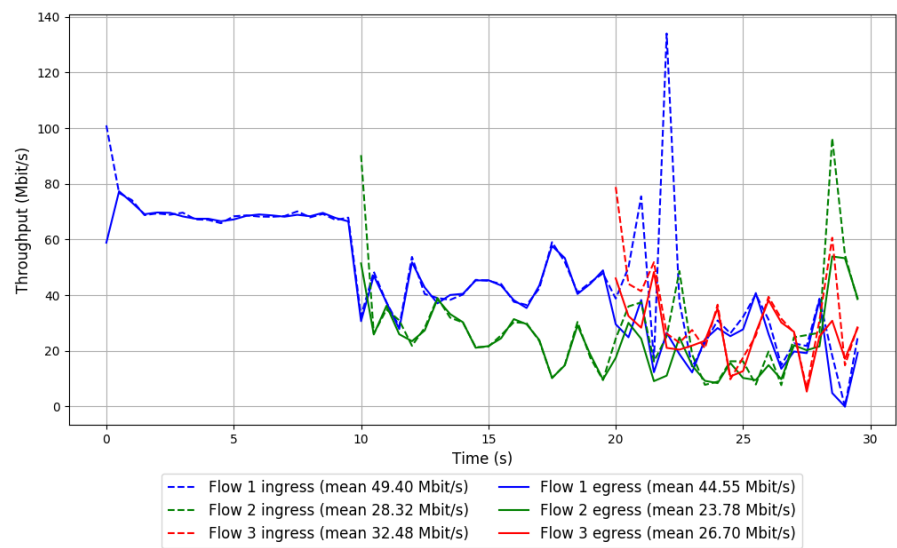


Run 2: Statistics of Verus

Start at: 2018-03-21 03:37:08
End at: 2018-03-21 03:37:38
Local clock offset: -4.044 ms
Remote clock offset: -1.467 ms

Below is generated by plot.py at 2018-03-21 07:17:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 32.433 ms
Loss rate: 12.27%
-- Flow 1:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 29.572 ms
Loss rate: 9.73%
-- Flow 2:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 32.819 ms
Loss rate: 15.92%
-- Flow 3:
Average throughput: 26.70 Mbit/s
95th percentile per-packet one-way delay: 32.817 ms
Loss rate: 17.57%

Run 2: Report of Verus — Data Link

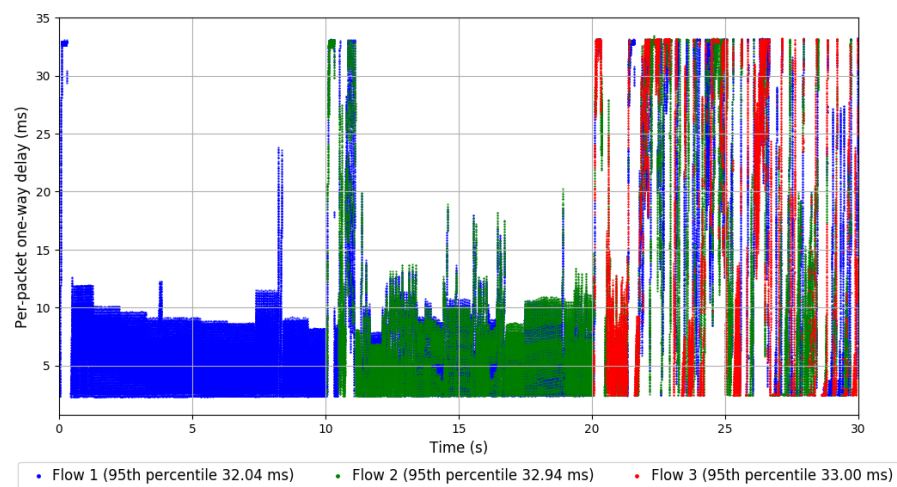
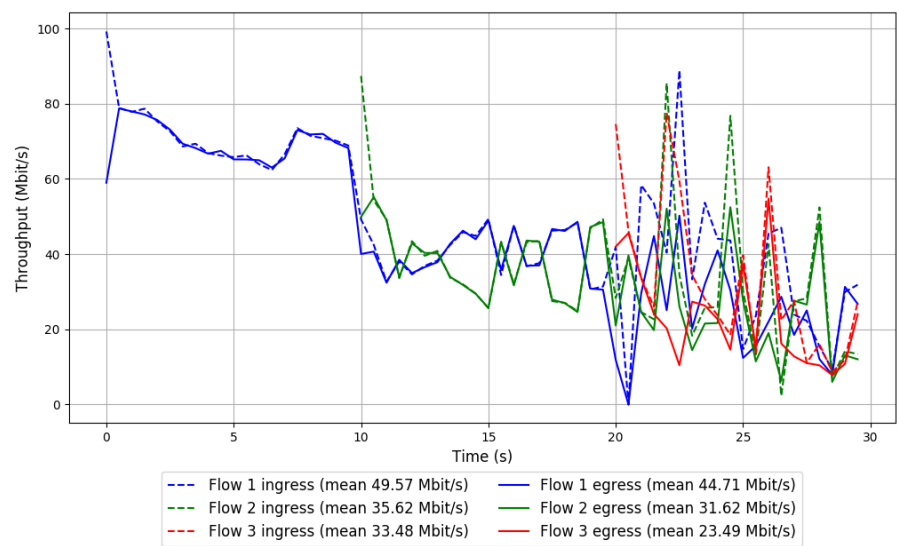


Run 3: Statistics of Verus

Start at: 2018-03-21 03:57:41
End at: 2018-03-21 03:58:11
Local clock offset: -3.885 ms
Remote clock offset: -3.879 ms

Below is generated by plot.py at 2018-03-21 07:17:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 32.801 ms
Loss rate: 12.73%
-- Flow 1:
Average throughput: 44.71 Mbit/s
95th percentile per-packet one-way delay: 32.044 ms
Loss rate: 9.72%
-- Flow 2:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 32.944 ms
Loss rate: 11.14%
-- Flow 3:
Average throughput: 23.49 Mbit/s
95th percentile per-packet one-way delay: 33.000 ms
Loss rate: 29.62%

Run 3: Report of Verus — Data Link

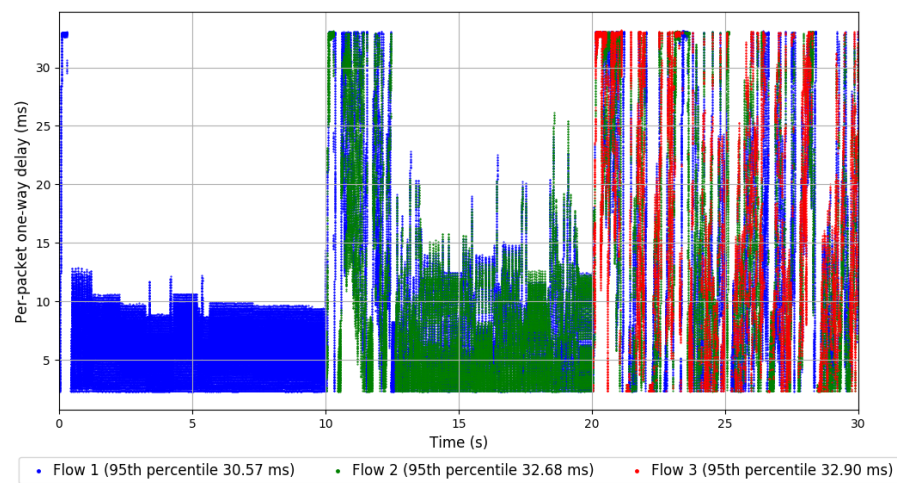
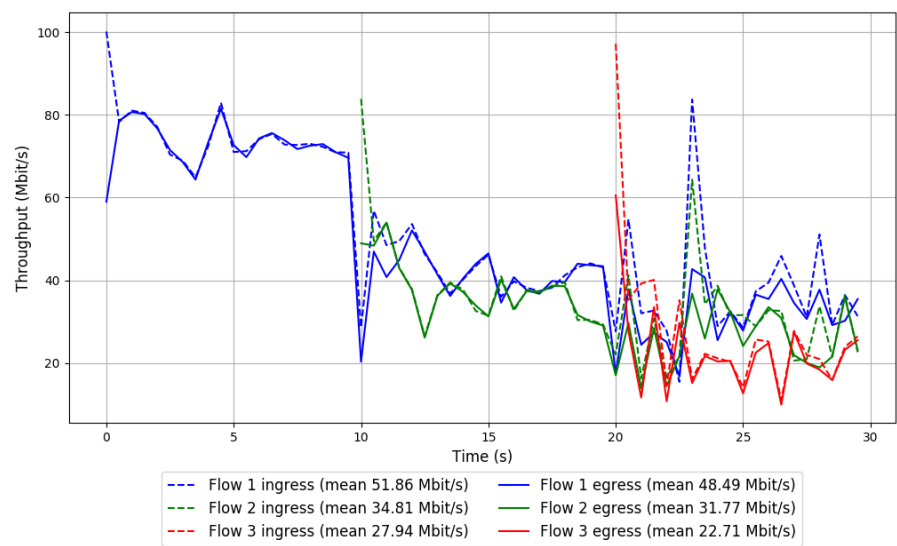


Run 4: Statistics of Verus

Start at: 2018-03-21 04:18:14
End at: 2018-03-21 04:18:44
Local clock offset: -3.54 ms
Remote clock offset: -6.562 ms

Below is generated by plot.py at 2018-03-21 07:18:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.18 Mbit/s
95th percentile per-packet one-way delay: 32.254 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 30.570 ms
Loss rate: 6.42%
-- Flow 2:
Average throughput: 31.77 Mbit/s
95th percentile per-packet one-way delay: 32.683 ms
Loss rate: 8.63%
-- Flow 3:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 32.896 ms
Loss rate: 18.47%

Run 4: Report of Verus — Data Link

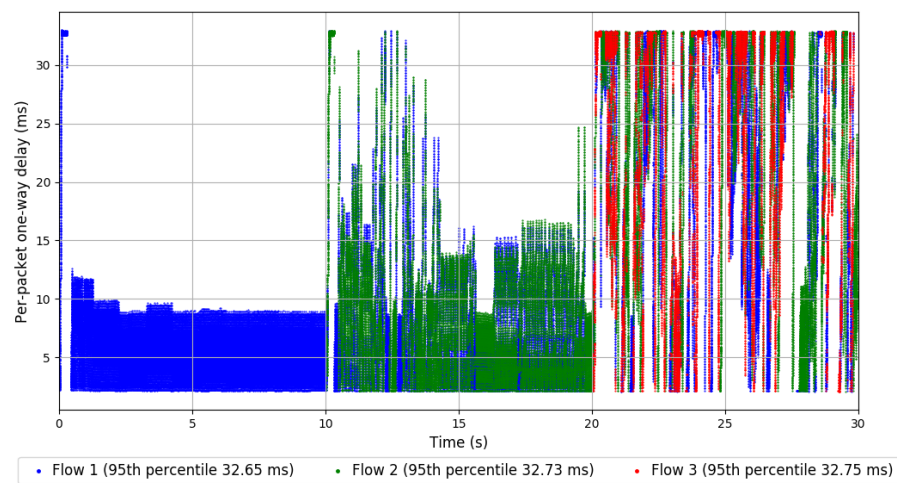
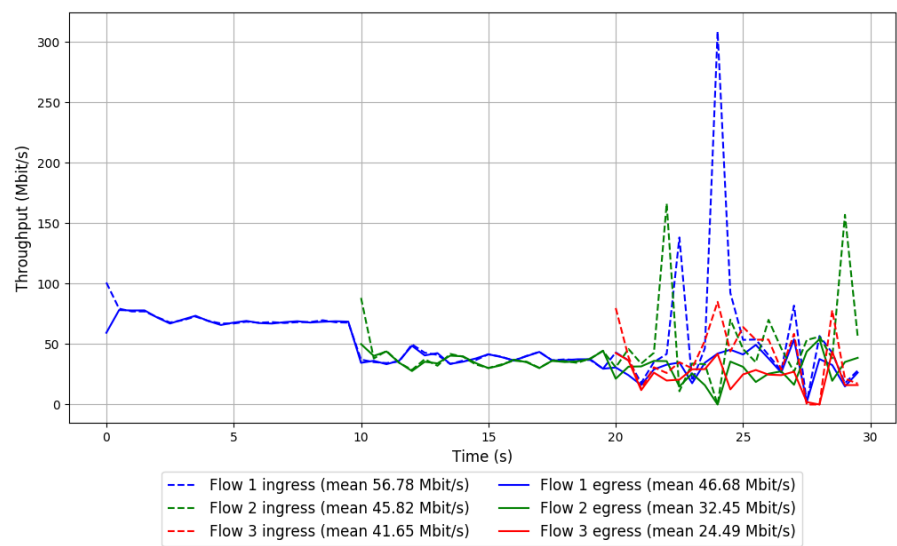


Run 5: Statistics of Verus

Start at: 2018-03-21 04:38:46
End at: 2018-03-21 04:39:16
Local clock offset: -4.419 ms
Remote clock offset: -2.886 ms

Below is generated by plot.py at 2018-03-21 07:18:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 32.708 ms
Loss rate: 24.33%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 32.651 ms
Loss rate: 17.71%
-- Flow 2:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 32.725 ms
Loss rate: 29.16%
-- Flow 3:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 32.753 ms
Loss rate: 41.04%

Run 5: Report of Verus — Data Link

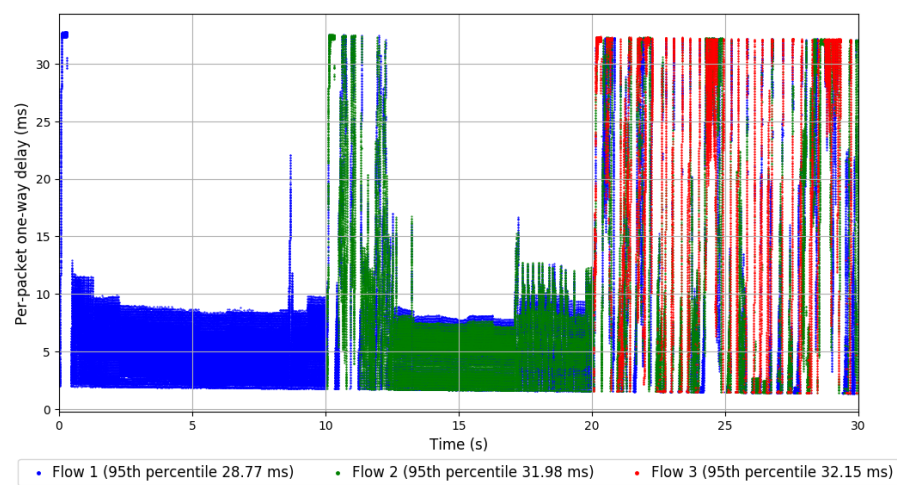
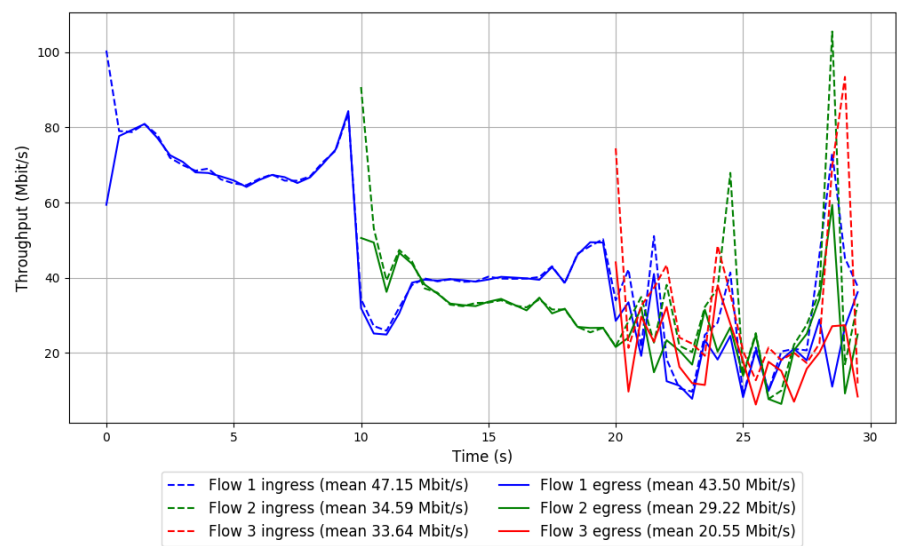


Run 6: Statistics of Verus

Start at: 2018-03-21 04:59:17
End at: 2018-03-21 04:59:47
Local clock offset: -4.987 ms
Remote clock offset: -0.591 ms

Below is generated by plot.py at 2018-03-21 07:18:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 31.858 ms
Loss rate: 14.13%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 28.766 ms
Loss rate: 7.64%
-- Flow 2:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 31.984 ms
Loss rate: 15.41%
-- Flow 3:
Average throughput: 20.55 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 38.97%

Run 6: Report of Verus — Data Link

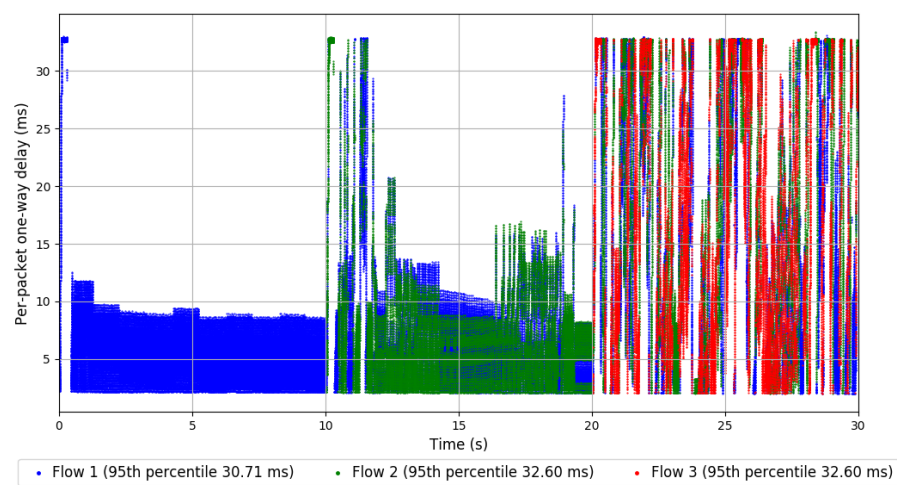
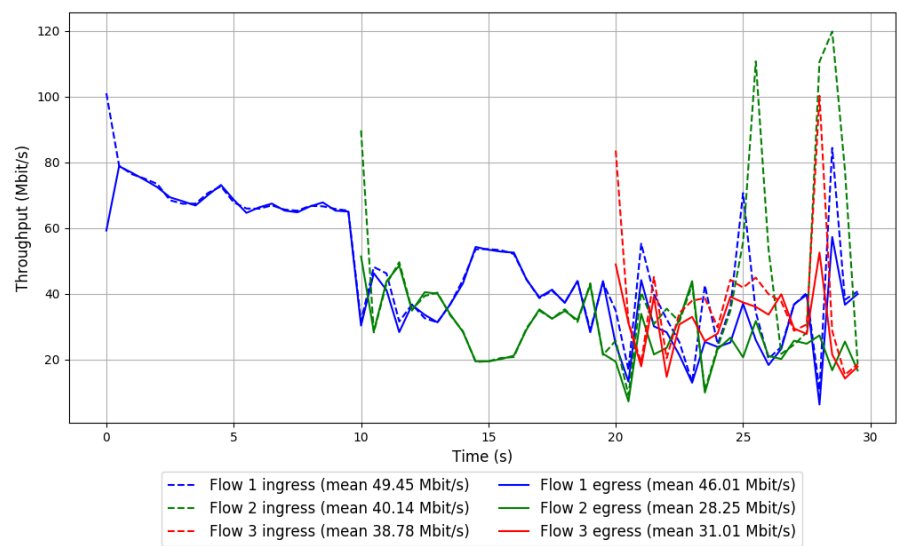


Run 7: Statistics of Verus

Start at: 2018-03-21 05:19:48
End at: 2018-03-21 05:20:18
Local clock offset: -4.87 ms
Remote clock offset: 12.707 ms

Below is generated by plot.py at 2018-03-21 07:18:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.11 Mbit/s
95th percentile per-packet one-way delay: 32.479 ms
Loss rate: 15.54%
-- Flow 1:
Average throughput: 46.01 Mbit/s
95th percentile per-packet one-way delay: 30.707 ms
Loss rate: 6.87%
-- Flow 2:
Average throughput: 28.25 Mbit/s
95th percentile per-packet one-way delay: 32.598 ms
Loss rate: 29.51%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 32.604 ms
Loss rate: 19.84%

Run 7: Report of Verus — Data Link

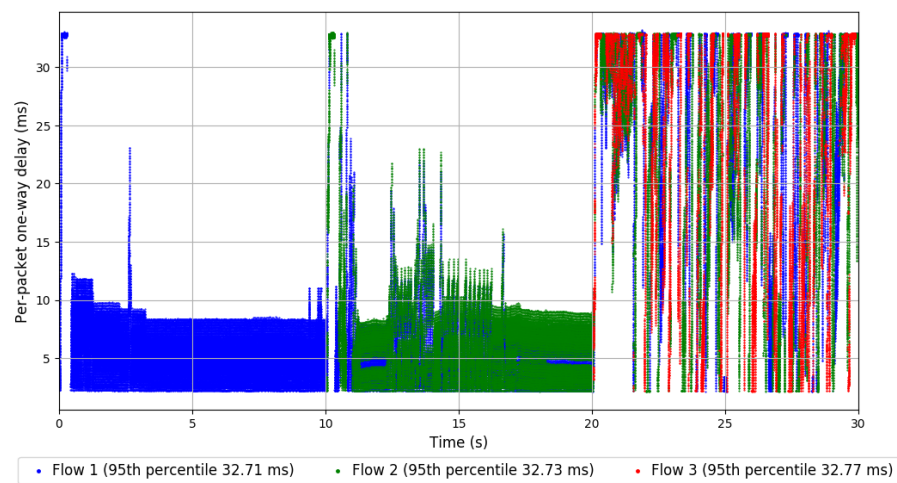
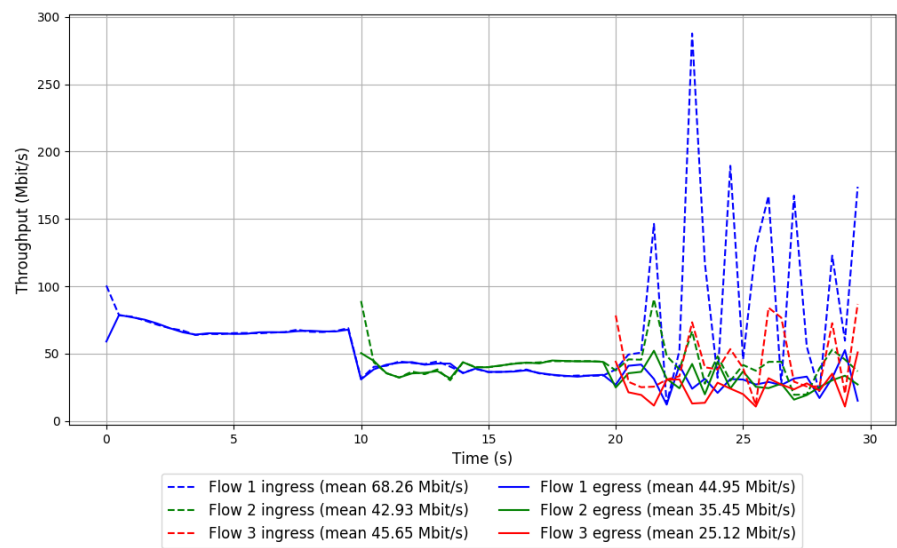


Run 8: Statistics of Verus

Start at: 2018-03-21 05:40:19
End at: 2018-03-21 05:40:49
Local clock offset: -4.483 ms
Remote clock offset: 18.687 ms

Below is generated by plot.py at 2018-03-21 07:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 31.24%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 32.710 ms
Loss rate: 34.08%
-- Flow 2:
Average throughput: 35.45 Mbit/s
95th percentile per-packet one-way delay: 32.732 ms
Loss rate: 17.32%
-- Flow 3:
Average throughput: 25.12 Mbit/s
95th percentile per-packet one-way delay: 32.768 ms
Loss rate: 44.83%

Run 8: Report of Verus — Data Link

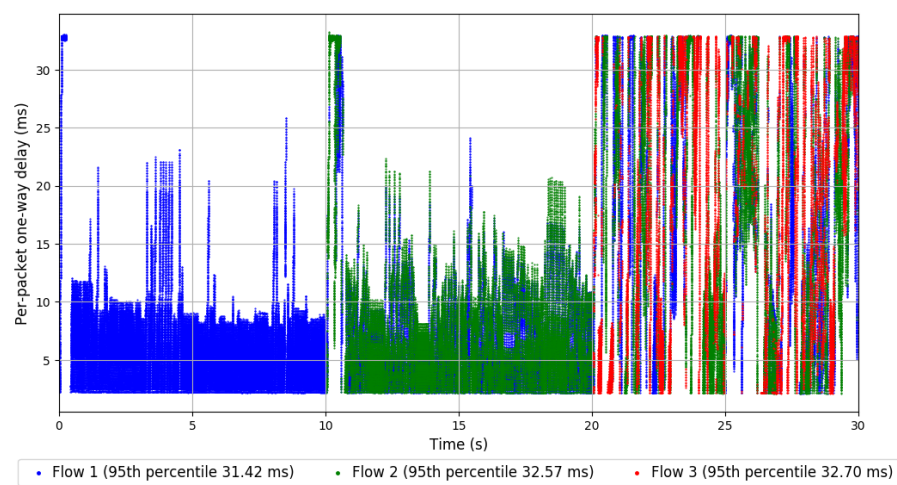
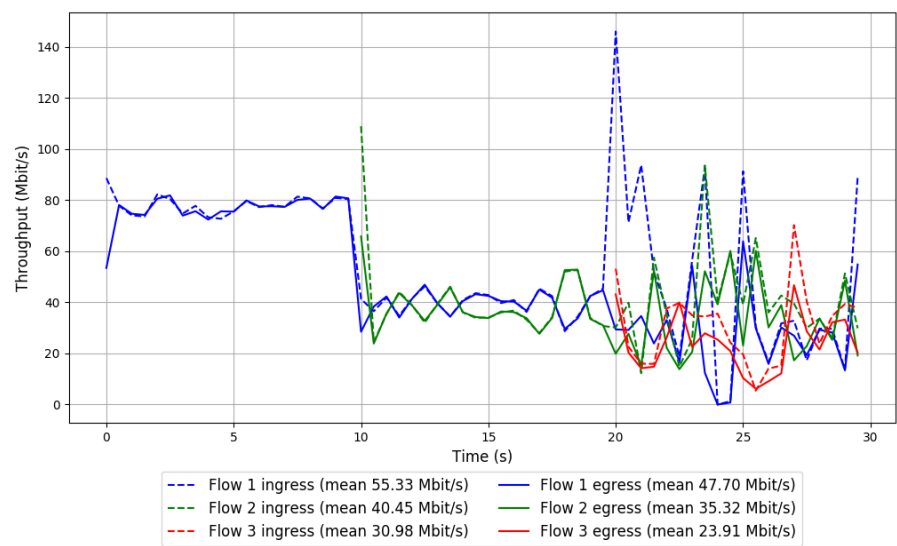


Run 9: Statistics of Verus

Start at: 2018-03-21 06:00:52
End at: 2018-03-21 06:01:22
Local clock offset: -3.54 ms
Remote clock offset: 23.986 ms

Below is generated by plot.py at 2018-03-21 07:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.14 Mbit/s
95th percentile per-packet one-way delay: 32.402 ms
Loss rate: 14.36%
-- Flow 1:
Average throughput: 47.70 Mbit/s
95th percentile per-packet one-way delay: 31.416 ms
Loss rate: 13.70%
-- Flow 2:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 32.568 ms
Loss rate: 12.58%
-- Flow 3:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 32.703 ms
Loss rate: 22.61%

Run 9: Report of Verus — Data Link

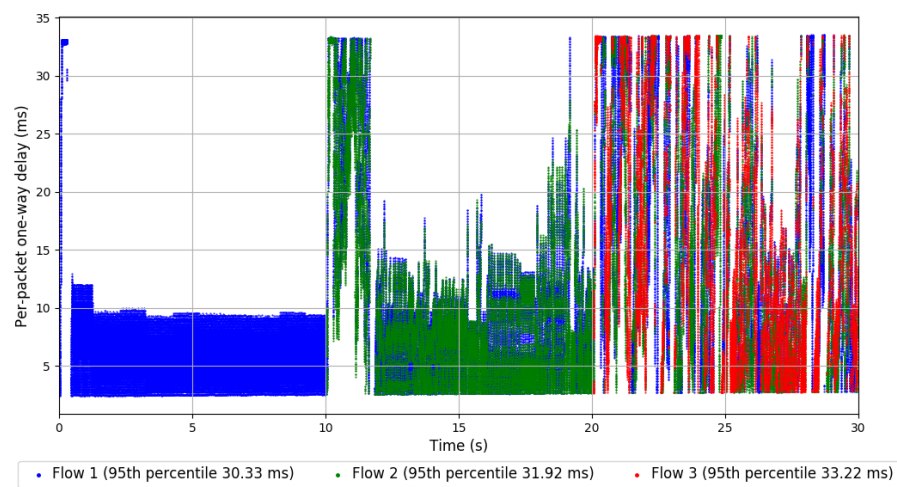
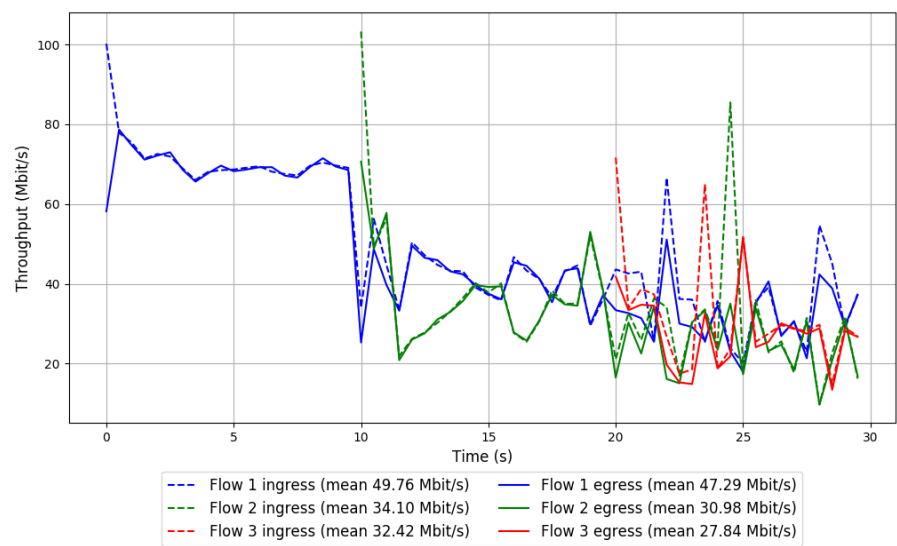


Run 10: Statistics of Verus

Start at: 2018-03-21 06:21:25
End at: 2018-03-21 06:21:55
Local clock offset: -5.088 ms
Remote clock offset: -1.424 ms

Below is generated by plot.py at 2018-03-21 07:18:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 31.502 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 47.29 Mbit/s
95th percentile per-packet one-way delay: 30.333 ms
Loss rate: 4.94%
-- Flow 2:
Average throughput: 30.98 Mbit/s
95th percentile per-packet one-way delay: 31.920 ms
Loss rate: 9.11%
-- Flow 3:
Average throughput: 27.84 Mbit/s
95th percentile per-packet one-way delay: 33.216 ms
Loss rate: 14.13%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-03-21 03:19:59

End at: 2018-03-21 03:20:29

Local clock offset: -2.674 ms

Remote clock offset: -4.83 ms

Below is generated by plot.py at 2018-03-21 07:20:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.08 Mbit/s

95th percentile per-packet one-way delay: 6.910 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 56.92 Mbit/s

95th percentile per-packet one-way delay: 6.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 7.045 ms

Loss rate: 0.12%

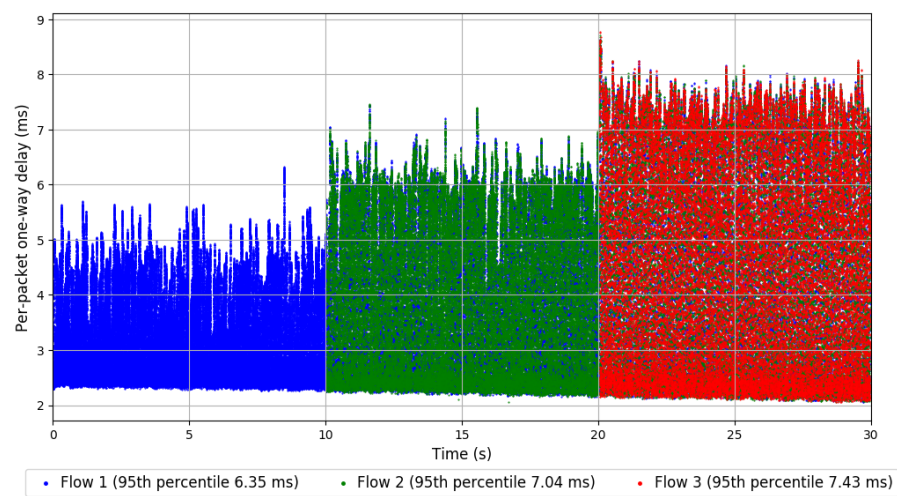
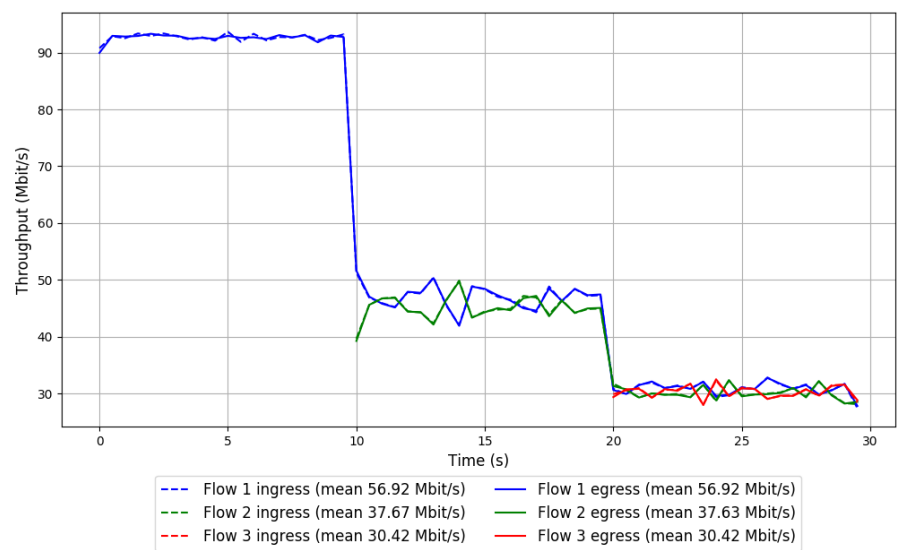
-- Flow 3:

Average throughput: 30.42 Mbit/s

95th percentile per-packet one-way delay: 7.427 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

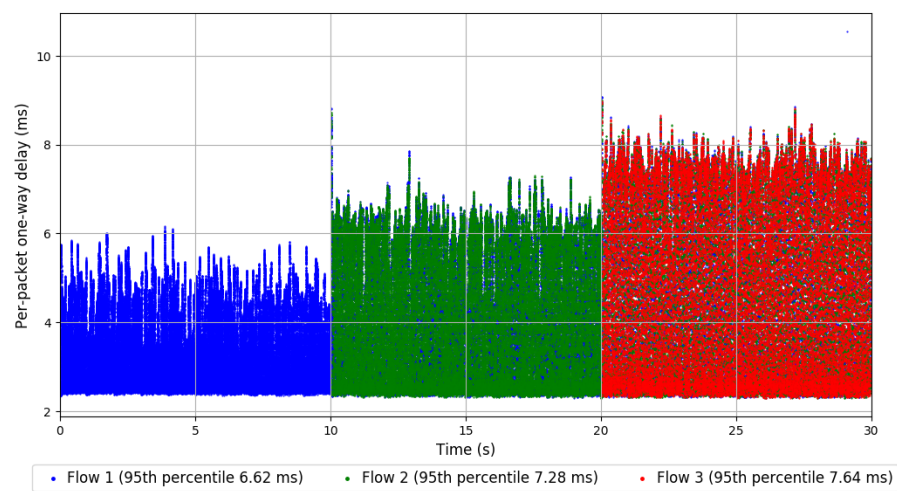
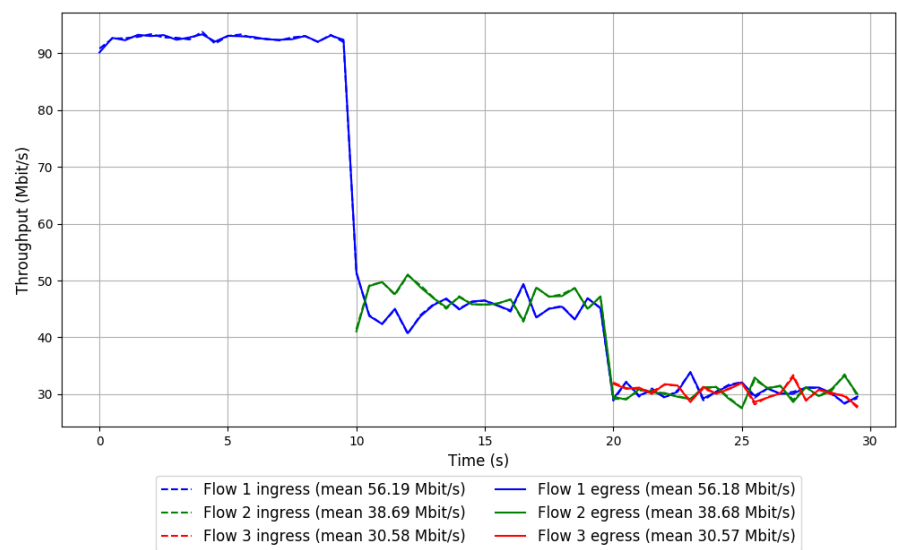


Run 2: Statistics of Copa

Start at: 2018-03-21 03:40:32
End at: 2018-03-21 03:41:02
Local clock offset: -4.081 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2018-03-21 07:20:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 7.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.18 Mbit/s
95th percentile per-packet one-way delay: 6.617 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 7.277 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 7.640 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

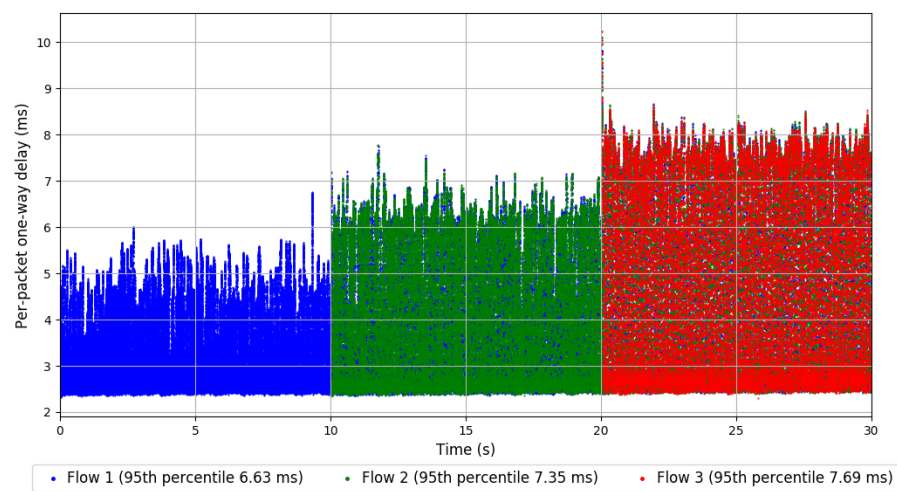
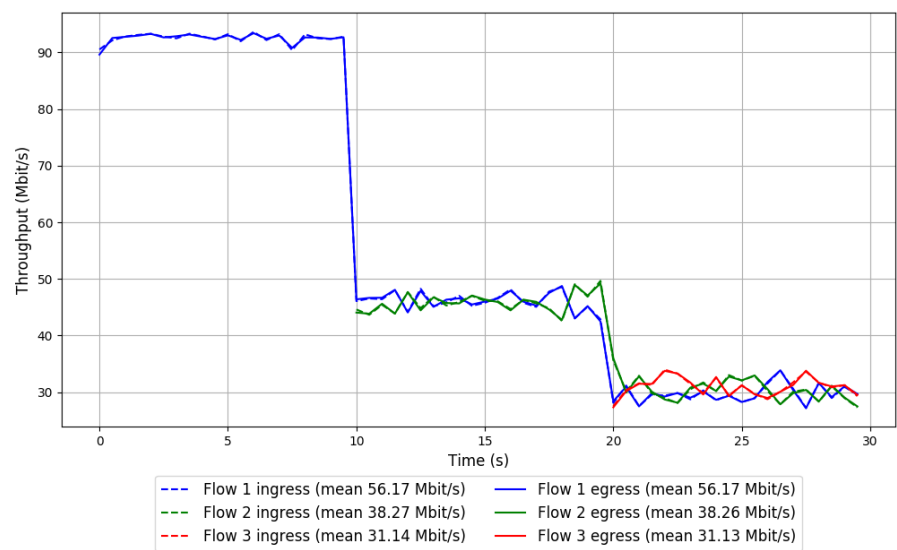


Run 3: Statistics of Copa

Start at: 2018-03-21 04:01:04
End at: 2018-03-21 04:01:34
Local clock offset: -3.809 ms
Remote clock offset: -4.744 ms

Below is generated by plot.py at 2018-03-21 07:20:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 7.222 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.17 Mbit/s
95th percentile per-packet one-way delay: 6.634 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 7.350 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.13 Mbit/s
95th percentile per-packet one-way delay: 7.691 ms
Loss rate: 0.05%

Run 3: Report of Copa — Data Link

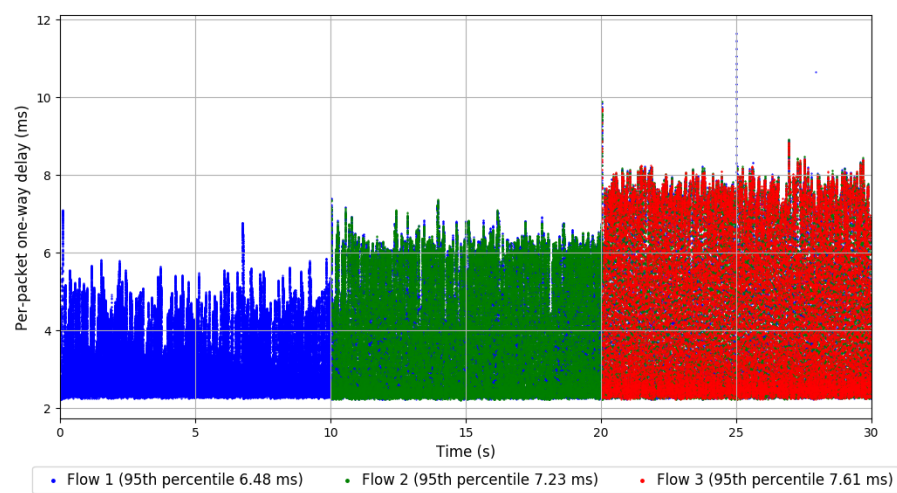
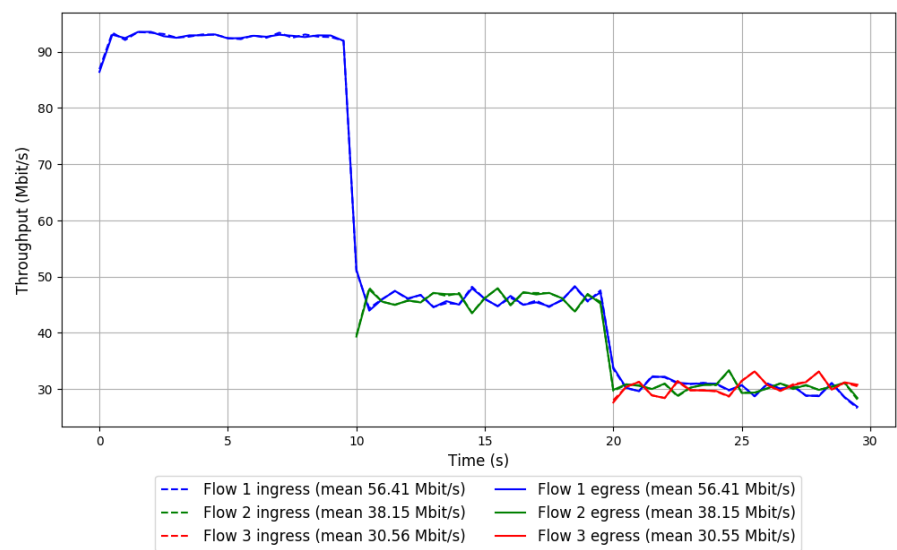


Run 4: Statistics of Copa

Start at: 2018-03-21 04:21:37
End at: 2018-03-21 04:22:07
Local clock offset: -3.472 ms
Remote clock offset: -6.771 ms

Below is generated by plot.py at 2018-03-21 07:20:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 7.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 6.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 7.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.55 Mbit/s
95th percentile per-packet one-way delay: 7.609 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

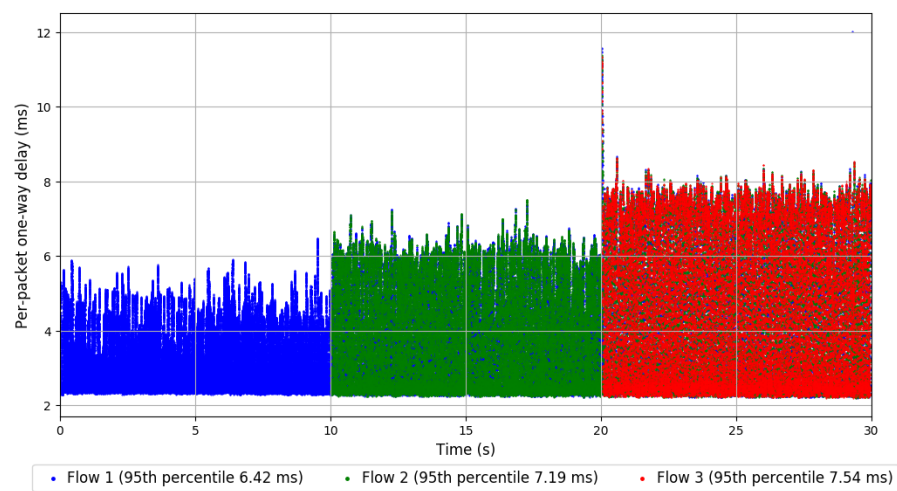
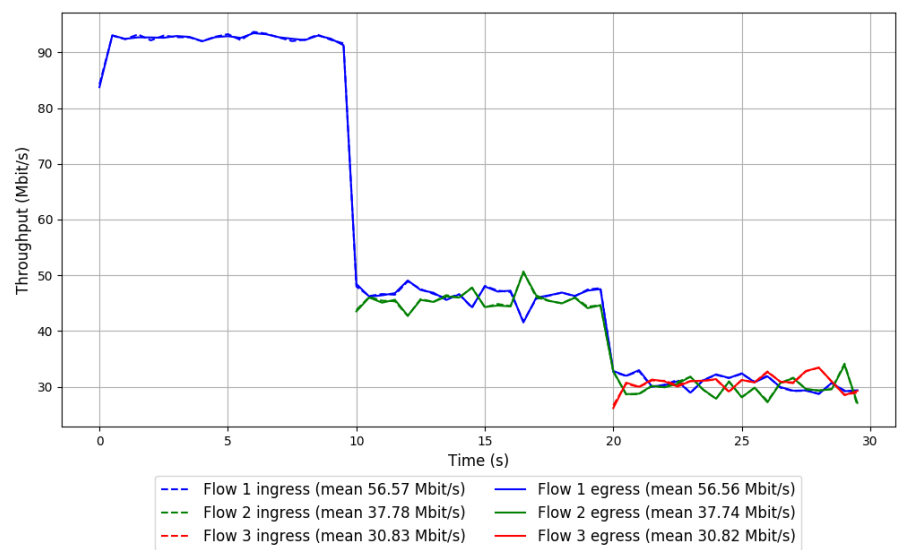


Run 5: Statistics of Copa

Start at: 2018-03-21 04:42:10
End at: 2018-03-21 04:42:40
Local clock offset: -4.618 ms
Remote clock offset: -2.456 ms

```
# Below is generated by plot.py at 2018-03-21 07:21:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 7.062 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 6.424 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.74 Mbit/s
95th percentile per-packet one-way delay: 7.188 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 7.535 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-03-21 05:02:40

End at: 2018-03-21 05:03:10

Local clock offset: -5.058 ms

Remote clock offset: 3.224 ms

Below is generated by plot.py at 2018-03-21 07:21:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.97 Mbit/s

95th percentile per-packet one-way delay: 6.580 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.24 Mbit/s

95th percentile per-packet one-way delay: 6.056 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.46 Mbit/s

95th percentile per-packet one-way delay: 6.686 ms

Loss rate: 0.00%

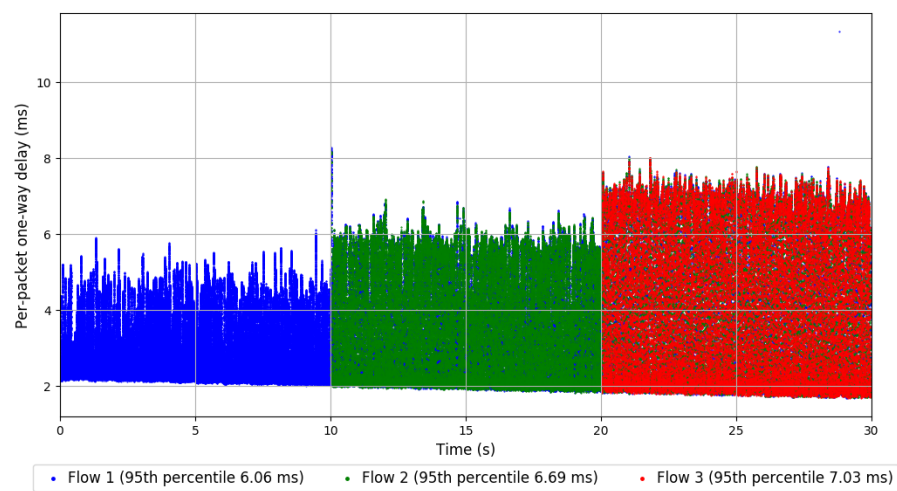
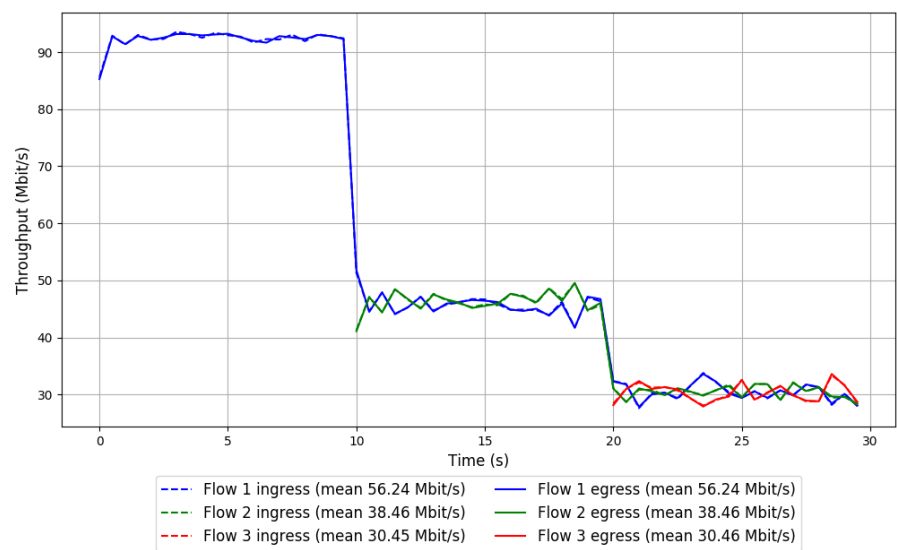
-- Flow 3:

Average throughput: 30.46 Mbit/s

95th percentile per-packet one-way delay: 7.029 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

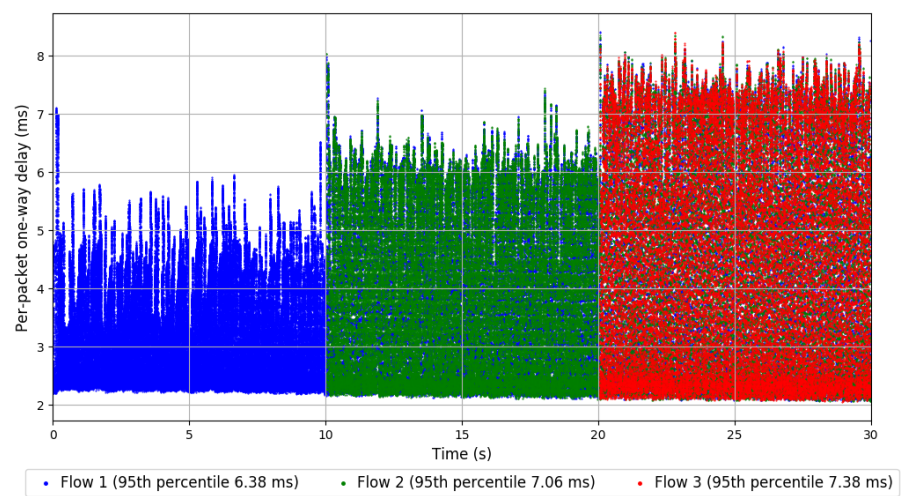
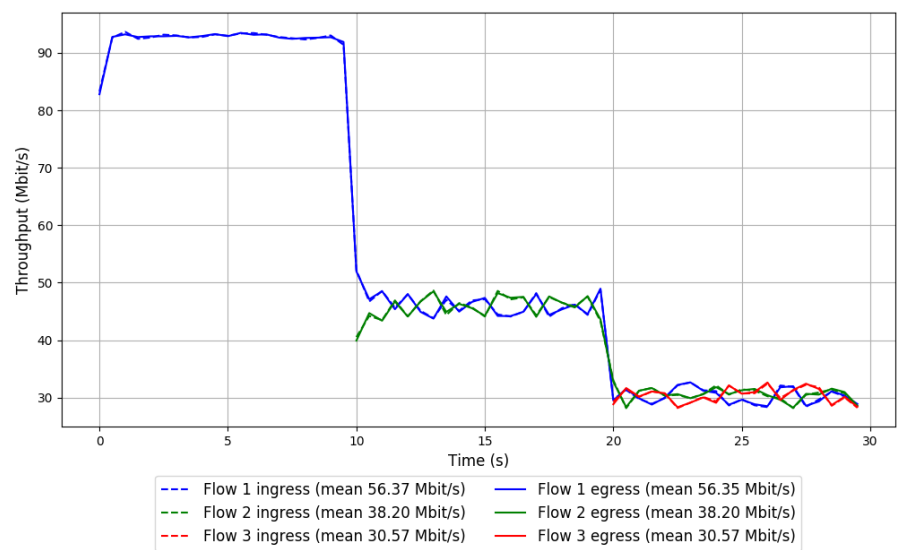


Run 7: Statistics of Copa

Start at: 2018-03-21 05:23:11
End at: 2018-03-21 05:23:41
Local clock offset: -4.868 ms
Remote clock offset: 13.886 ms

Below is generated by plot.py at 2018-03-21 07:21:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.93 Mbit/s
95th percentile per-packet one-way delay: 6.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.35 Mbit/s
95th percentile per-packet one-way delay: 6.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 7.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 7.378 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

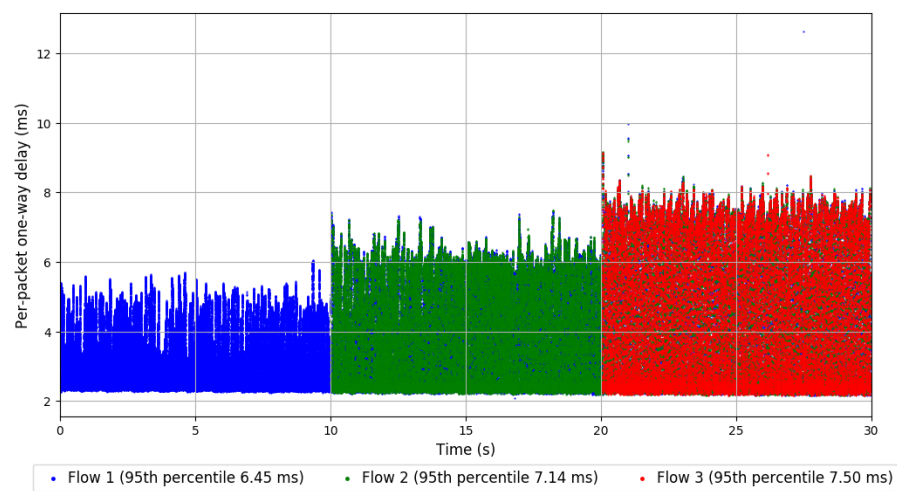
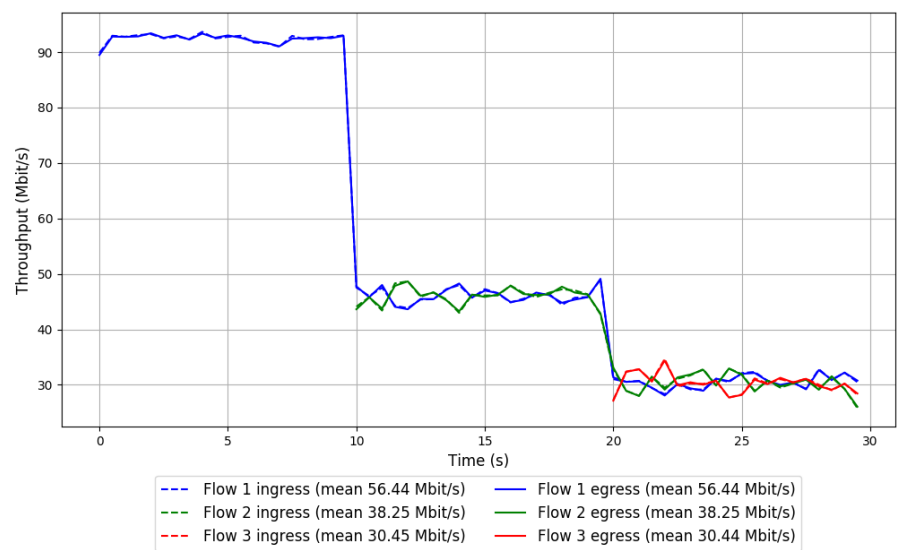


Run 8: Statistics of Copa

Start at: 2018-03-21 05:43:44
End at: 2018-03-21 05:44:14
Local clock offset: -4.22 ms
Remote clock offset: 19.583 ms

```
# Below is generated by plot.py at 2018-03-21 07:21:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 7.015 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 6.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.25 Mbit/s
95th percentile per-packet one-way delay: 7.139 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.44 Mbit/s
95th percentile per-packet one-way delay: 7.496 ms
Loss rate: 0.07%
```

Run 8: Report of Copa — Data Link

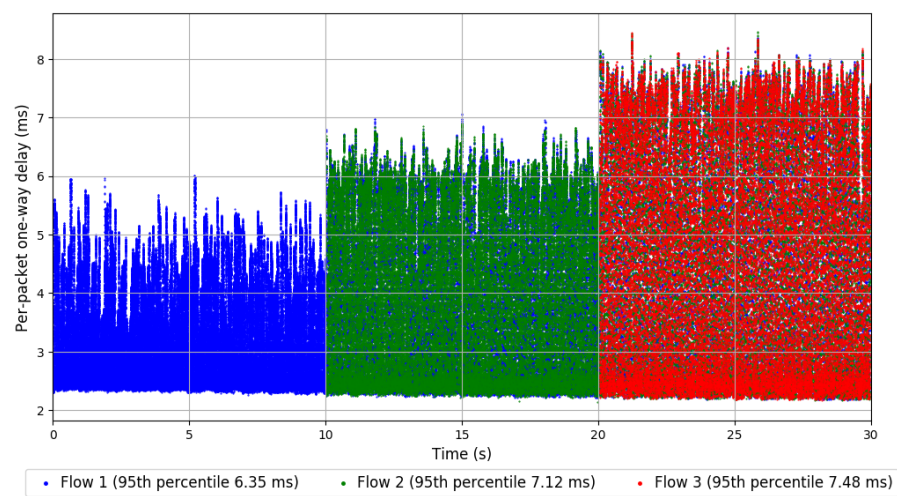
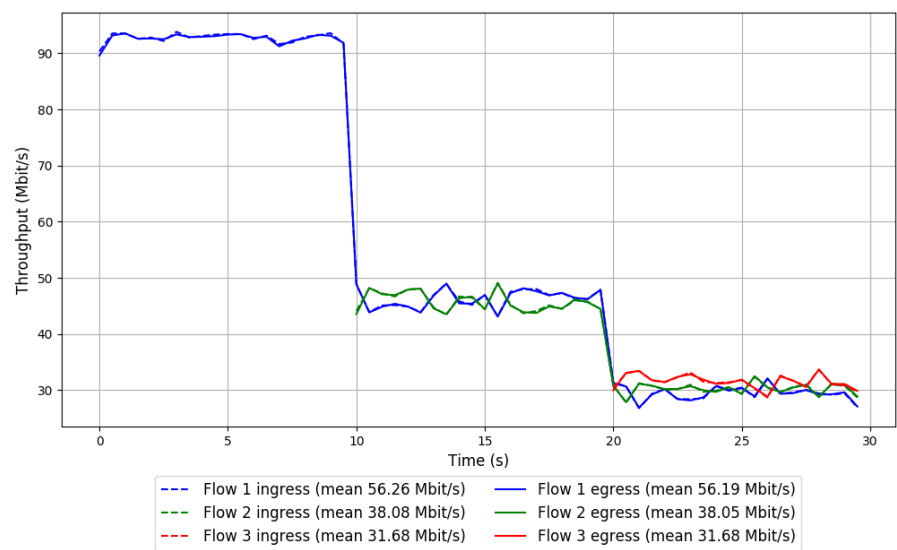


Run 9: Statistics of Copa

Start at: 2018-03-21 06:04:16
End at: 2018-03-21 06:04:46
Local clock offset: -3.553 ms
Remote clock offset: 24.817 ms

Below is generated by plot.py at 2018-03-21 07:22:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 6.992 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 6.348 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 7.121 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 7.484 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

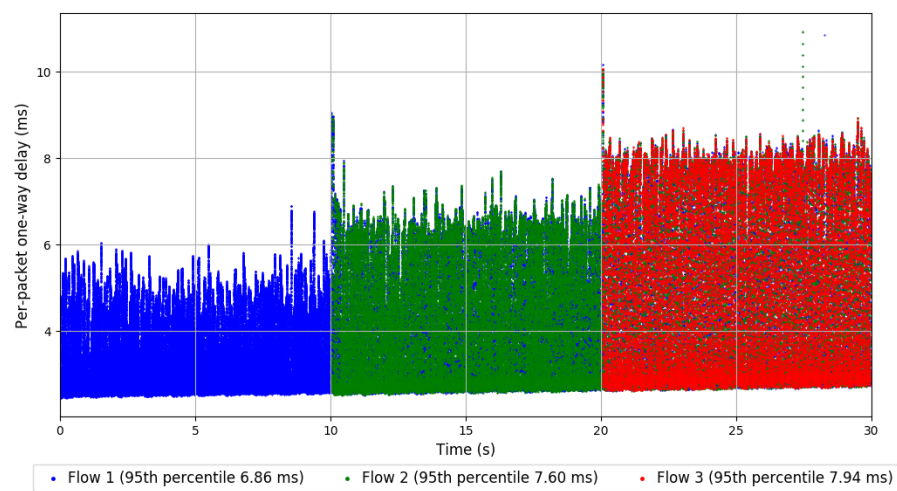
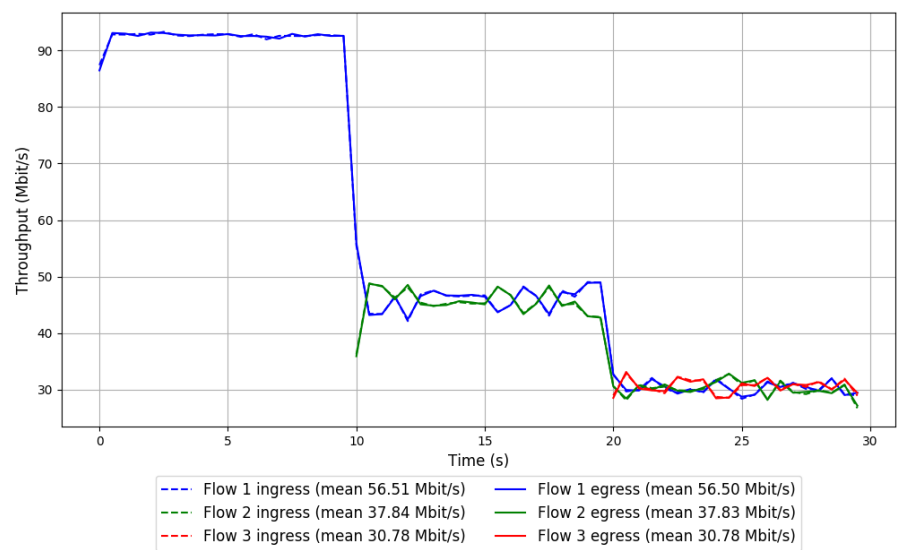


Run 10: Statistics of Copa

Start at: 2018-03-21 06:24:49
End at: 2018-03-21 06:25:19
Local clock offset: -5.474 ms
Remote clock offset: -4.108 ms

Below is generated by plot.py at 2018-03-21 07:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 7.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.50 Mbit/s
95th percentile per-packet one-way delay: 6.856 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 7.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 7.943 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

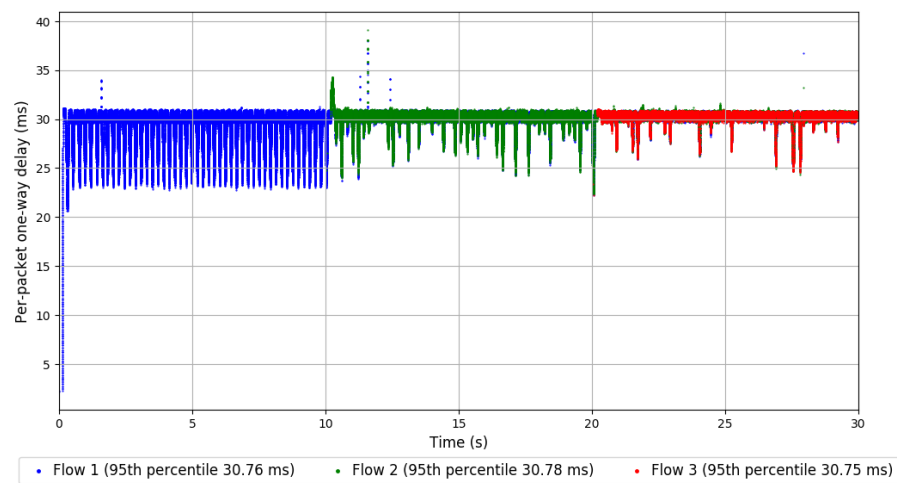
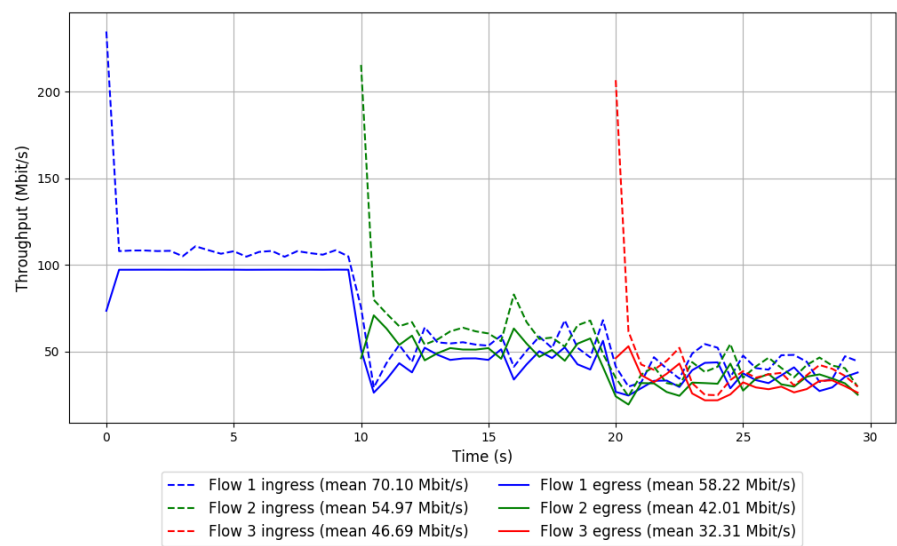


Run 1: Statistics of FillP

Start at: 2018-03-21 03:18:50
End at: 2018-03-21 03:19:20
Local clock offset: -2.658 ms
Remote clock offset: -5.282 ms

Below is generated by plot.py at 2018-03-21 07:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.88 Mbit/s
95th percentile per-packet one-way delay: 30.767 ms
Loss rate: 20.63%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 30.761 ms
Loss rate: 16.86%
-- Flow 2:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 30.784 ms
Loss rate: 23.56%
-- Flow 3:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 30.754 ms
Loss rate: 30.75%

Run 1: Report of FillP — Data Link

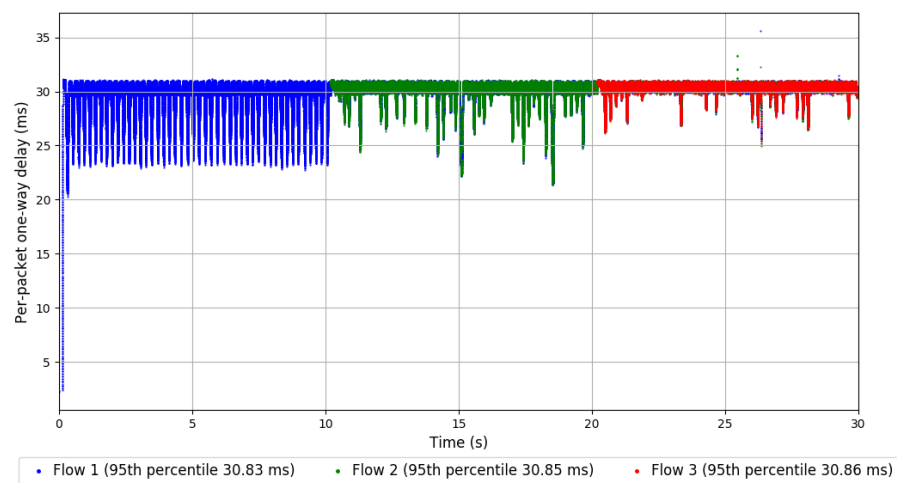
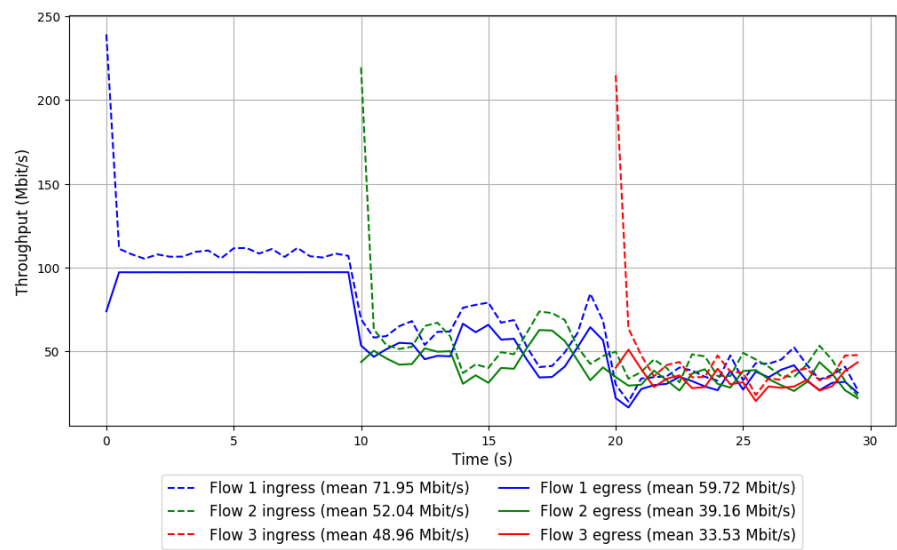


Run 2: Statistics of FillP

Start at: 2018-03-21 03:39:23
End at: 2018-03-21 03:39:53
Local clock offset: -3.992 ms
Remote clock offset: -1.215 ms

Below is generated by plot.py at 2018-03-21 07:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.841 ms
Loss rate: 21.05%
-- Flow 1:
Average throughput: 59.72 Mbit/s
95th percentile per-packet one-way delay: 30.829 ms
Loss rate: 16.92%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 30.852 ms
Loss rate: 24.74%
-- Flow 3:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 30.864 ms
Loss rate: 31.51%

Run 2: Report of FillP — Data Link

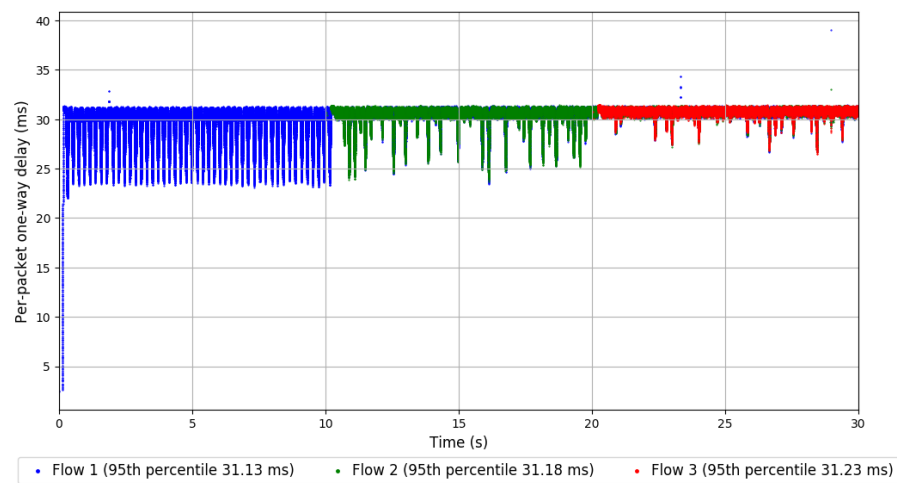
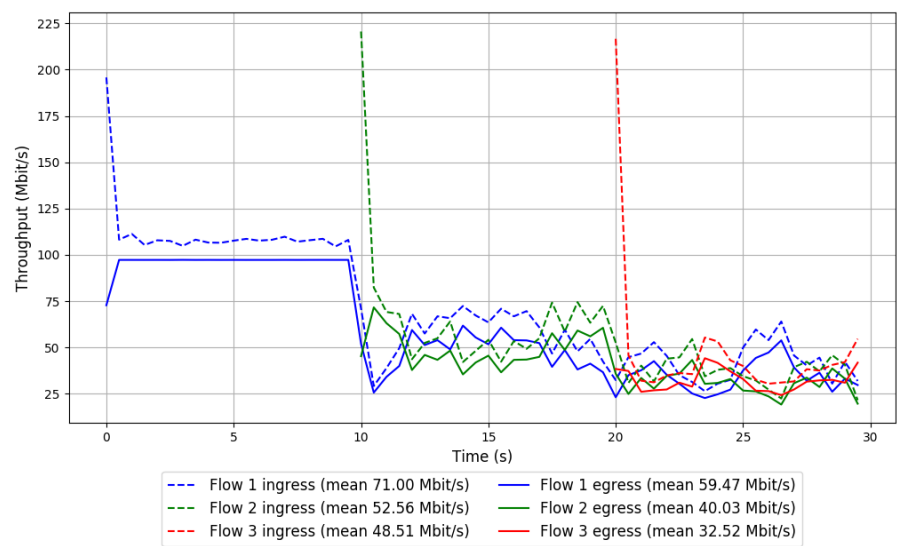


Run 3: Statistics of FillP

Start at: 2018-03-21 03:59:55
End at: 2018-03-21 04:00:25
Local clock offset: -3.869 ms
Remote clock offset: -4.385 ms

Below is generated by plot.py at 2018-03-21 07:23:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 31.164 ms
Loss rate: 20.57%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 31.131 ms
Loss rate: 16.16%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 31.183 ms
Loss rate: 23.83%
-- Flow 3:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 31.226 ms
Loss rate: 32.97%

Run 3: Report of FillP — Data Link

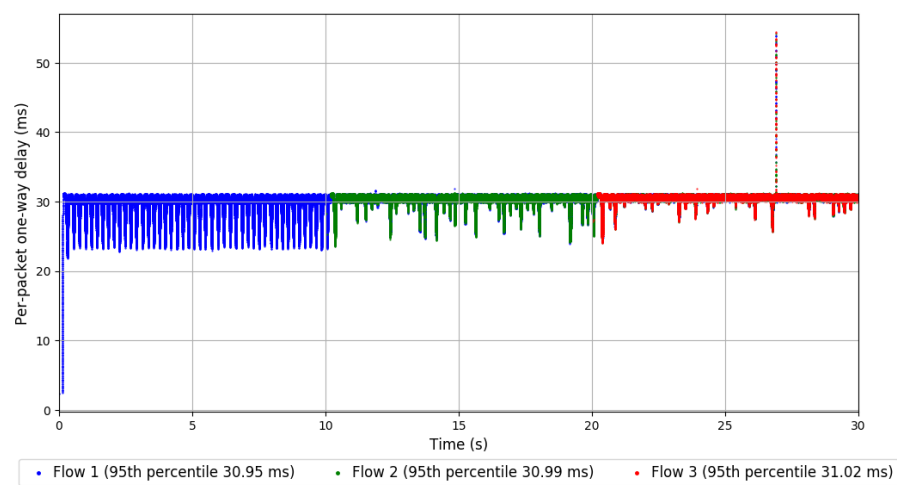
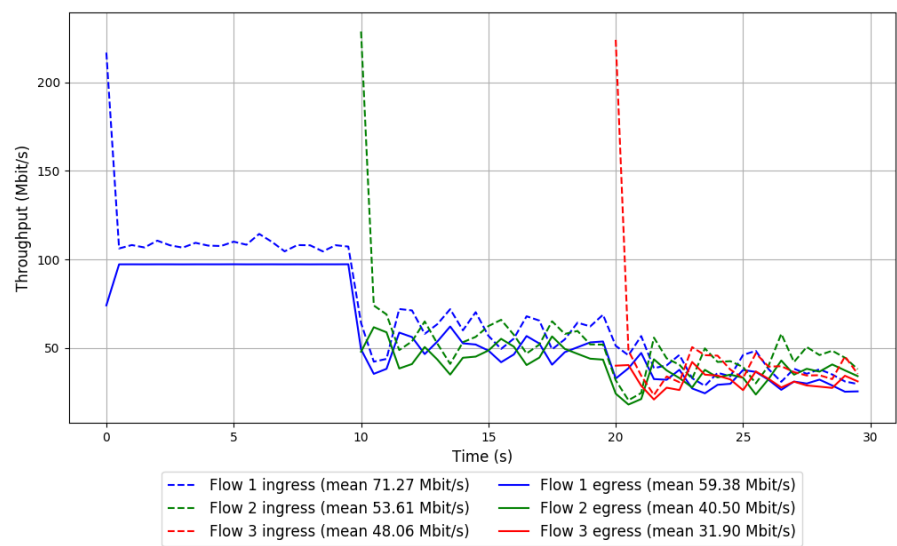


Run 4: Statistics of FillP

Start at: 2018-03-21 04:20:28
End at: 2018-03-21 04:20:58
Local clock offset: -3.524 ms
Remote clock offset: -6.656 ms

Below is generated by plot.py at 2018-03-21 07:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.972 ms
Loss rate: 21.09%
-- Flow 1:
Average throughput: 59.38 Mbit/s
95th percentile per-packet one-way delay: 30.953 ms
Loss rate: 16.61%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 30.987 ms
Loss rate: 24.45%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.021 ms
Loss rate: 33.59%

Run 4: Report of FillP — Data Link

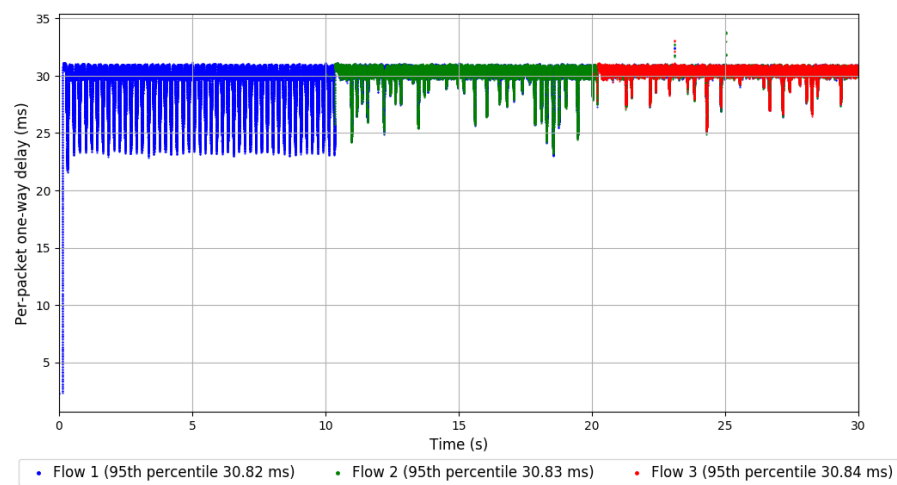
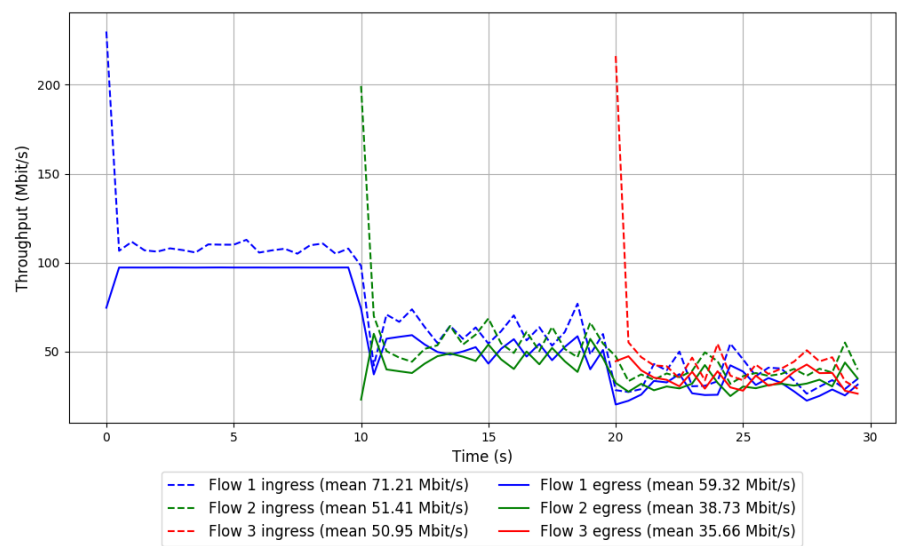


Run 5: Statistics of FillP

Start at: 2018-03-21 04:41:01
End at: 2018-03-21 04:41:31
Local clock offset: -4.557 ms
Remote clock offset: -2.603 ms

Below is generated by plot.py at 2018-03-21 07:23:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.828 ms
Loss rate: 20.71%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 30.822 ms
Loss rate: 16.62%
-- Flow 2:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 30.834 ms
Loss rate: 24.66%
-- Flow 3:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 30.841 ms
Loss rate: 30.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-03-21 05:01:31

End at: 2018-03-21 05:02:01

Local clock offset: -5.067 ms

Remote clock offset: 2.147 ms

Below is generated by plot.py at 2018-03-21 07:23:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.91 Mbit/s

95th percentile per-packet one-way delay: 30.606 ms

Loss rate: 20.83%

-- Flow 1:

Average throughput: 58.04 Mbit/s

95th percentile per-packet one-way delay: 30.647 ms

Loss rate: 16.67%

-- Flow 2:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 30.565 ms

Loss rate: 23.68%

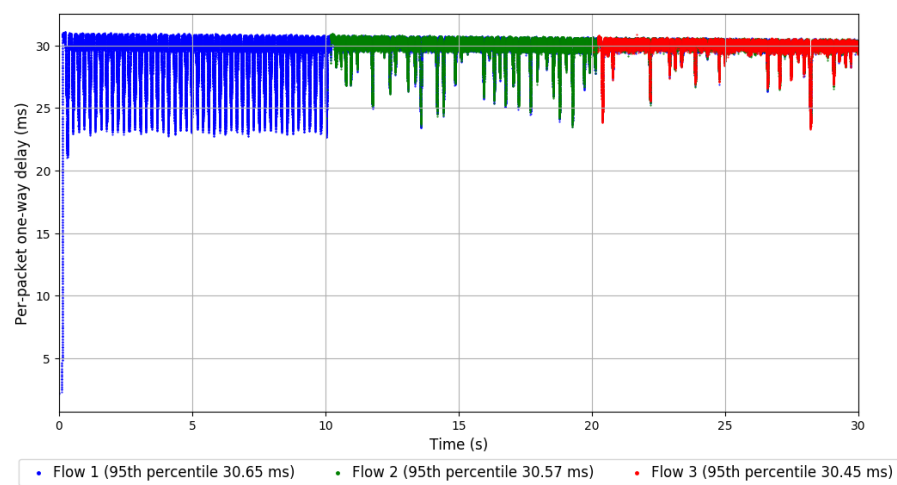
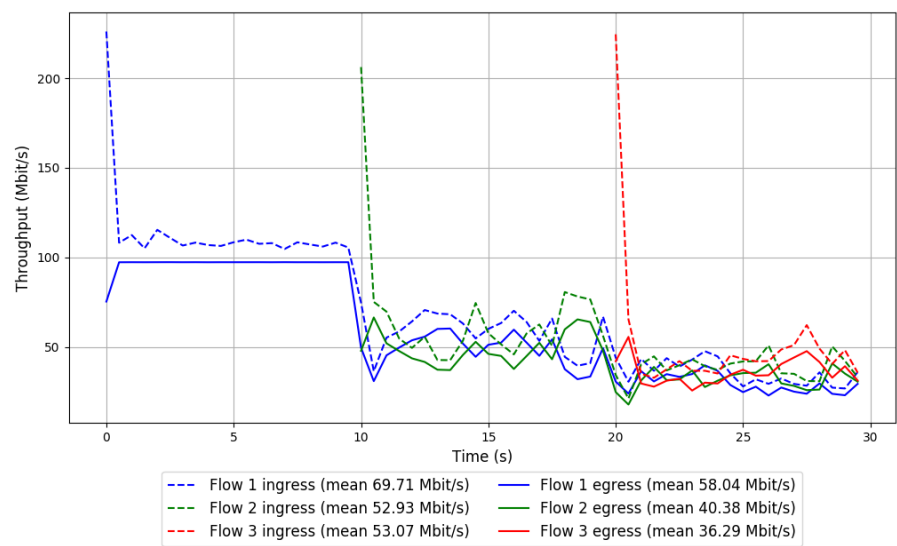
-- Flow 3:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 30.450 ms

Loss rate: 31.63%

Run 6: Report of FillP — Data Link

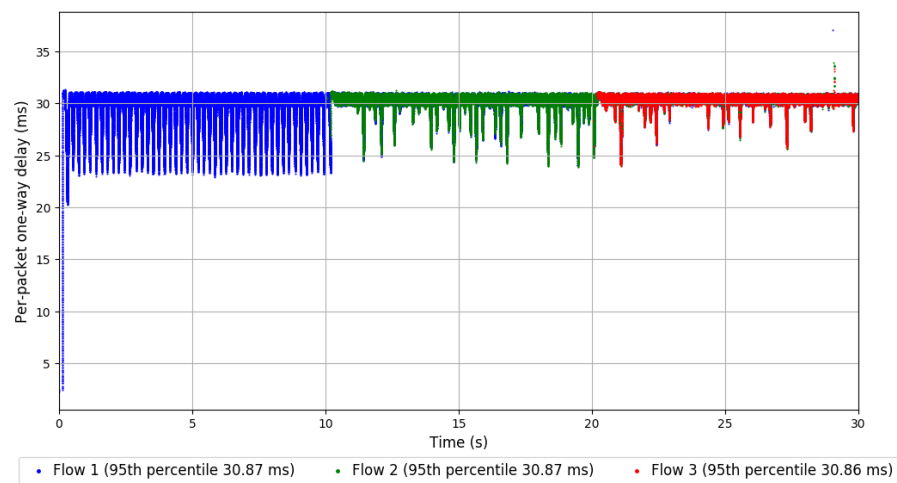
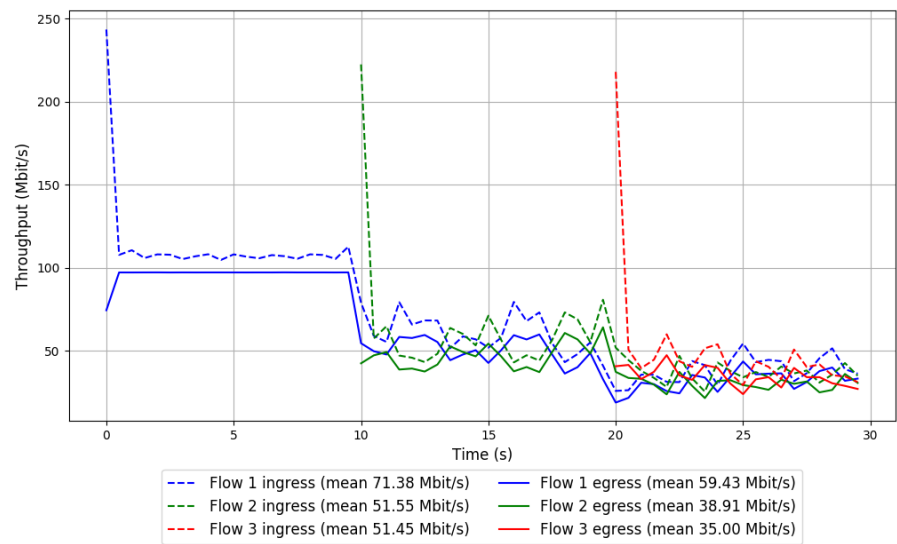


Run 7: Statistics of FillP

Start at: 2018-03-21 05:22:03
End at: 2018-03-21 05:22:33
Local clock offset: -4.912 ms
Remote clock offset: 13.587 ms

Below is generated by plot.py at 2018-03-21 07:24:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: 30.869 ms
Loss rate: 20.98%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 30.872 ms
Loss rate: 16.66%
-- Flow 2:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 30.866 ms
Loss rate: 24.52%
-- Flow 3:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 30.861 ms
Loss rate: 31.95%

Run 7: Report of FillP — Data Link

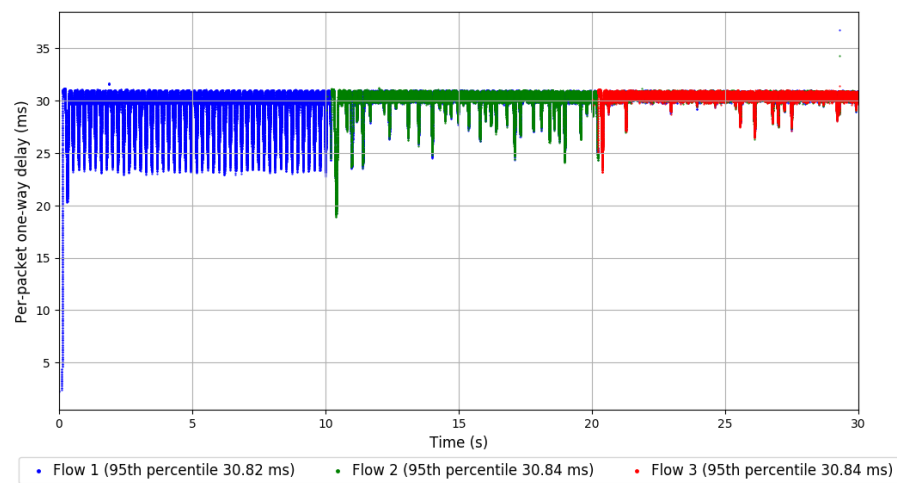
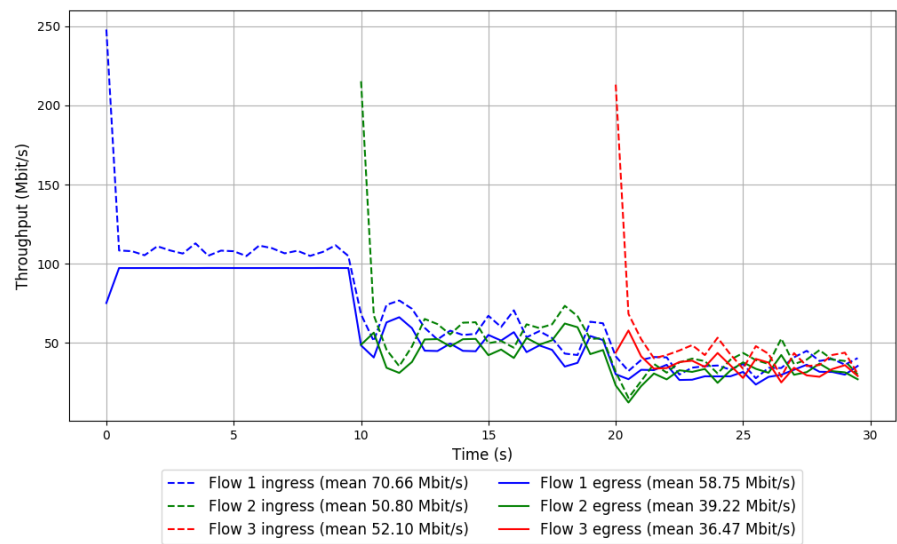


Run 8: Statistics of FillP

Start at: 2018-03-21 05:42:35
End at: 2018-03-21 05:43:05
Local clock offset: -4.314 ms
Remote clock offset: 19.272 ms

Below is generated by plot.py at 2018-03-21 07:24:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.91 Mbit/s
95th percentile per-packet one-way delay: 30.830 ms
Loss rate: 20.32%
-- Flow 1:
Average throughput: 58.75 Mbit/s
95th percentile per-packet one-way delay: 30.823 ms
Loss rate: 16.77%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 30.839 ms
Loss rate: 22.79%
-- Flow 3:
Average throughput: 36.47 Mbit/s
95th percentile per-packet one-way delay: 30.845 ms
Loss rate: 30.01%

Run 8: Report of FillP — Data Link

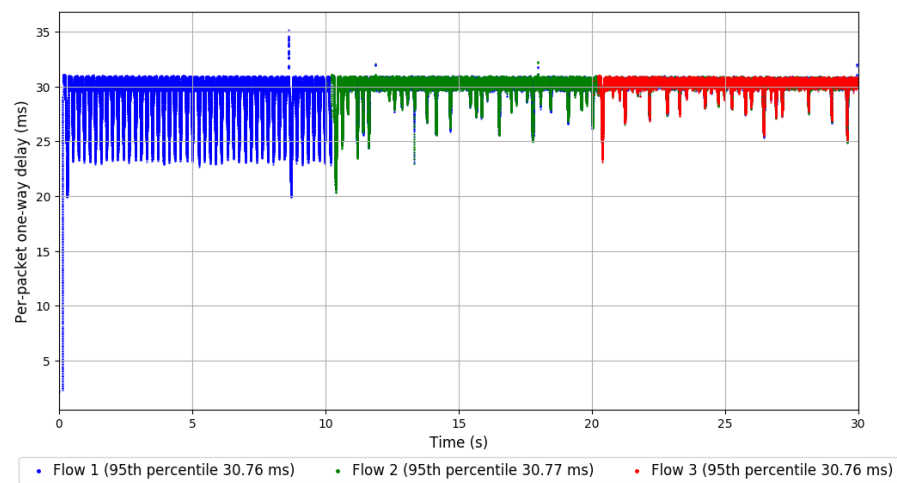
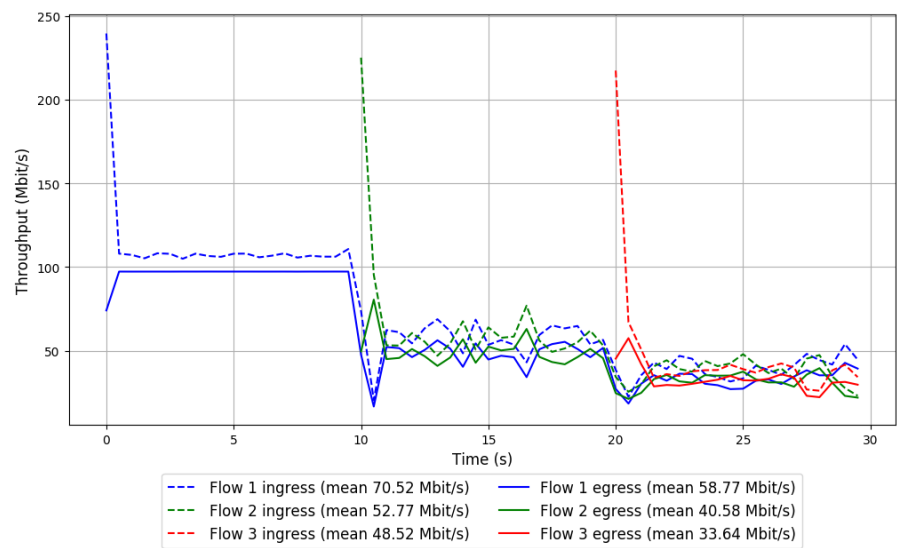


Run 9: Statistics of FillP

Start at: 2018-03-21 06:03:07
End at: 2018-03-21 06:03:37
Local clock offset: -3.561 ms
Remote clock offset: 24.441 ms

Below is generated by plot.py at 2018-03-21 07:24:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 30.763 ms
Loss rate: 20.32%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 30.762 ms
Loss rate: 16.59%
-- Flow 2:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 30.769 ms
Loss rate: 23.09%
-- Flow 3:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 30.760 ms
Loss rate: 30.66%

Run 9: Report of FillP — Data Link

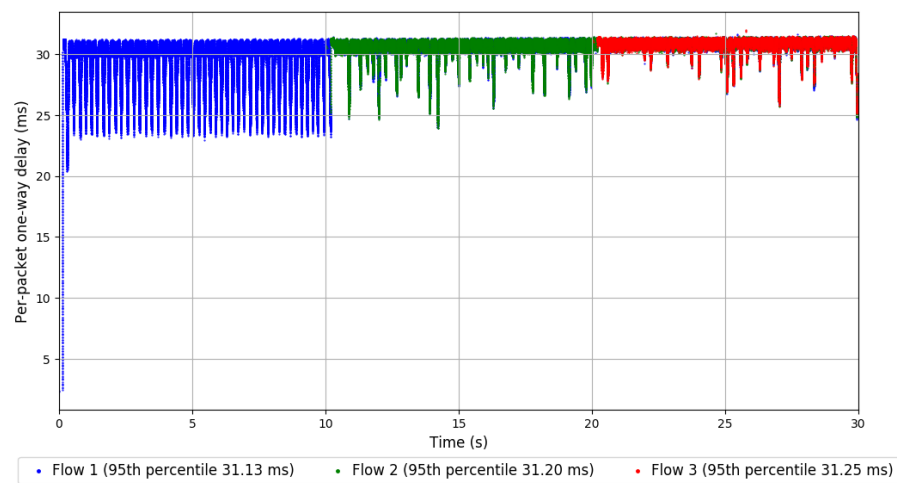
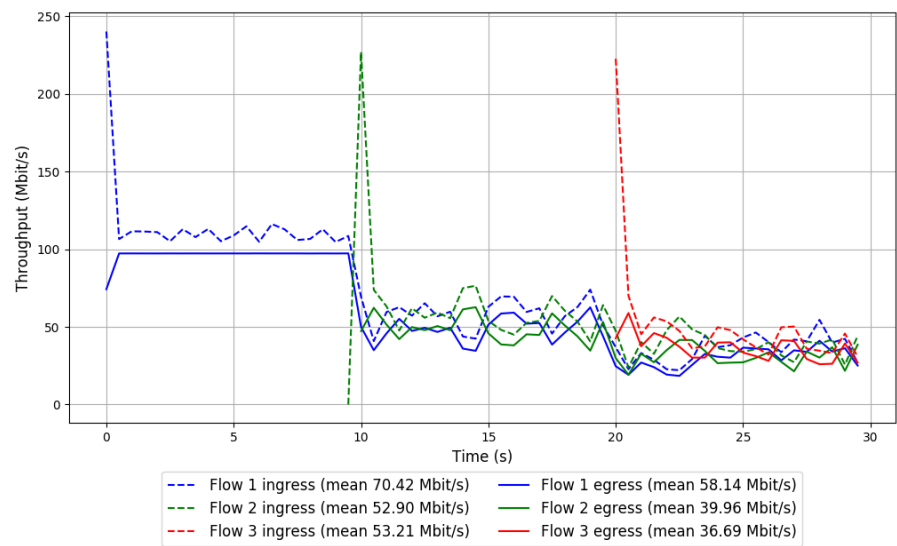


Run 10: Statistics of FillP

Start at: 2018-03-21 06:23:40
End at: 2018-03-21 06:24:10
Local clock offset: -5.306 ms
Remote clock offset: -3.306 ms

Below is generated by plot.py at 2018-03-21 07:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 31.184 ms
Loss rate: 21.36%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 17.37%
-- Flow 2:
Average throughput: 39.96 Mbit/s
95th percentile per-packet one-way delay: 31.202 ms
Loss rate: 24.48%
-- Flow 3:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 31.252 ms
Loss rate: 31.09%

Run 10: Report of FillP — Data Link

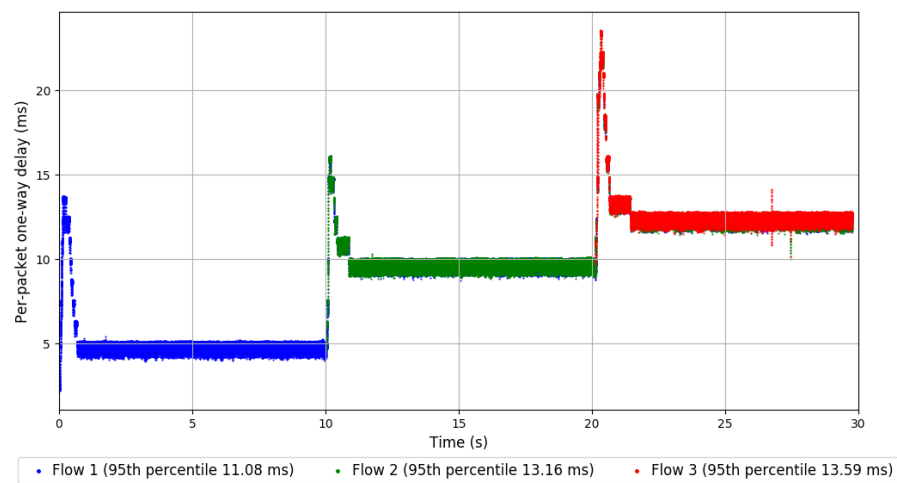
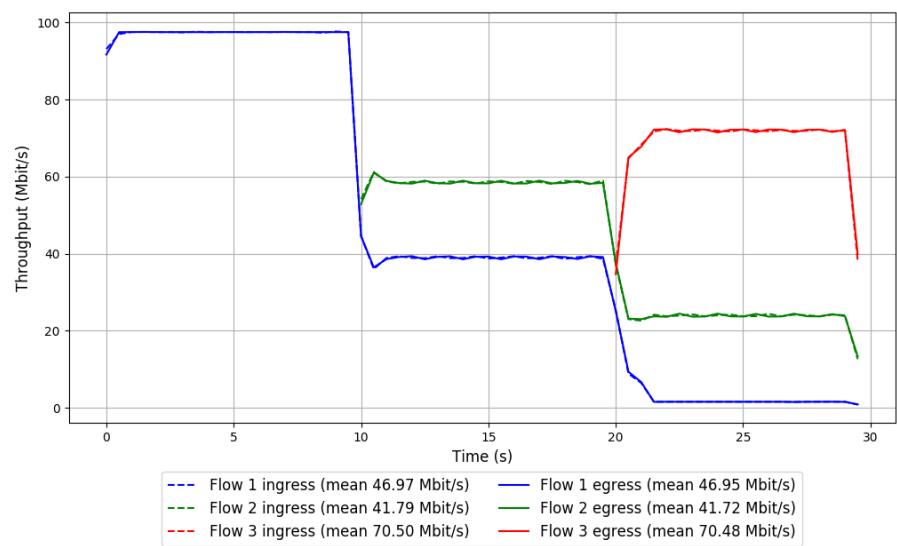


Run 1: Statistics of Indigo-1-32

Start at: 2018-03-21 03:13:08
End at: 2018-03-21 03:13:38
Local clock offset: -2.833 ms
Remote clock offset: -6.557 ms

Below is generated by plot.py at 2018-03-21 07:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.991 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 11.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.72 Mbit/s
95th percentile per-packet one-way delay: 13.157 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 13.588 ms
Loss rate: 0.00%

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-03-21 03:33:40

End at: 2018-03-21 03:34:10

Local clock offset: -3.895 ms

Remote clock offset: -1.83 ms

Below is generated by plot.py at 2018-03-21 07:24:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 12.773 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 46.89 Mbit/s

95th percentile per-packet one-way delay: 11.065 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.39 Mbit/s

95th percentile per-packet one-way delay: 13.216 ms

Loss rate: 0.00%

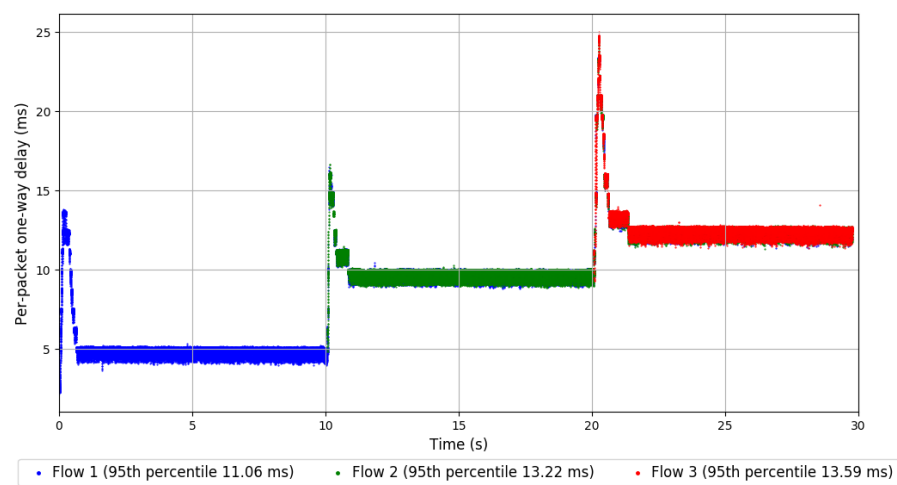
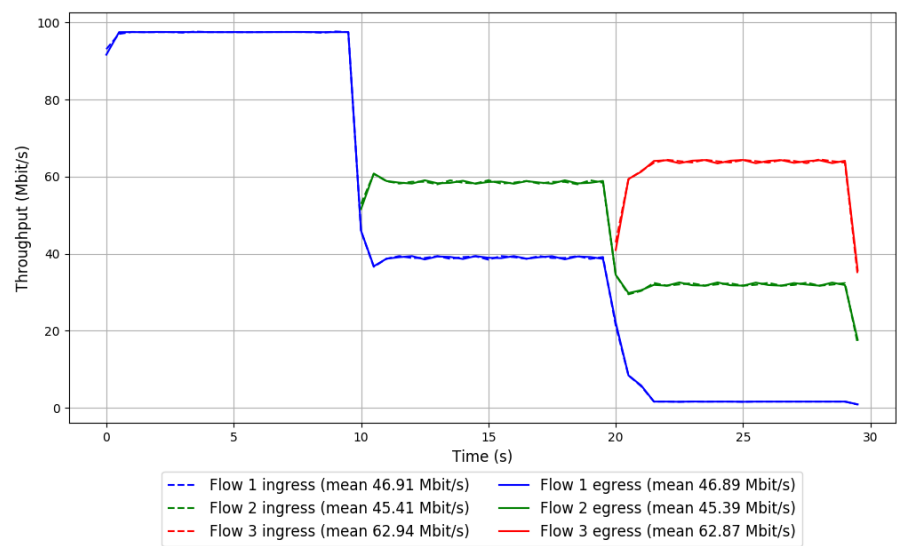
-- Flow 3:

Average throughput: 62.87 Mbit/s

95th percentile per-packet one-way delay: 13.585 ms

Loss rate: 0.08%

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

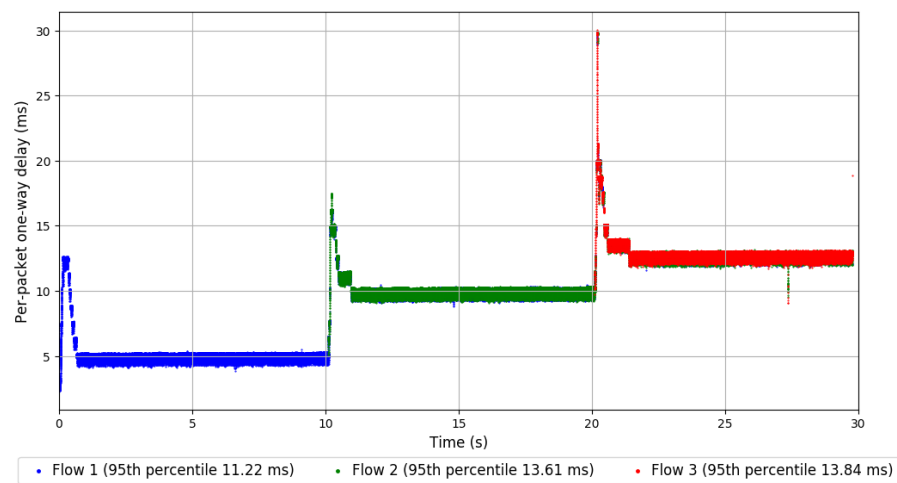
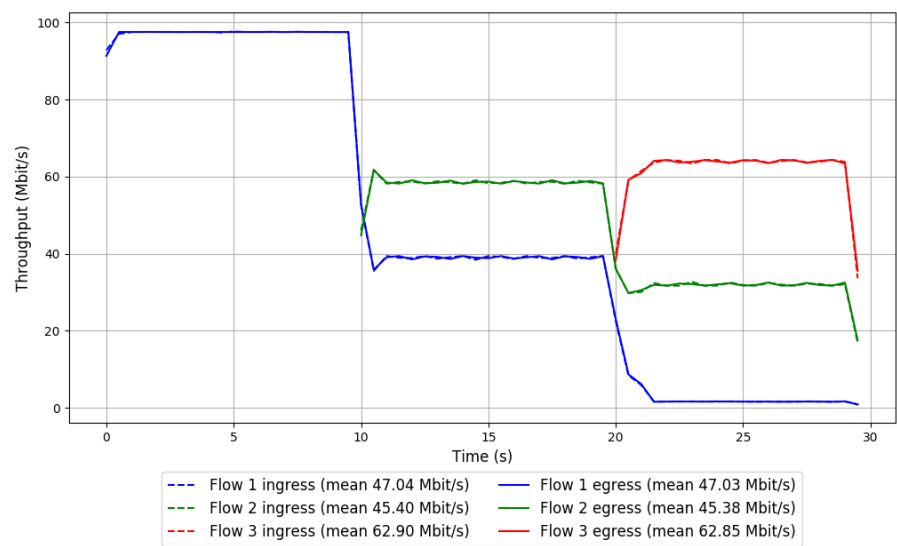


Run 3: Statistics of Indigo-1-32

Start at: 2018-03-21 03:54:13
End at: 2018-03-21 03:54:43
Local clock offset: -3.953 ms
Remote clock offset: -2.542 ms

Below is generated by plot.py at 2018-03-21 07:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 13.070 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 11.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 13.614 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.85 Mbit/s
95th percentile per-packet one-way delay: 13.844 ms
Loss rate: 0.00%

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

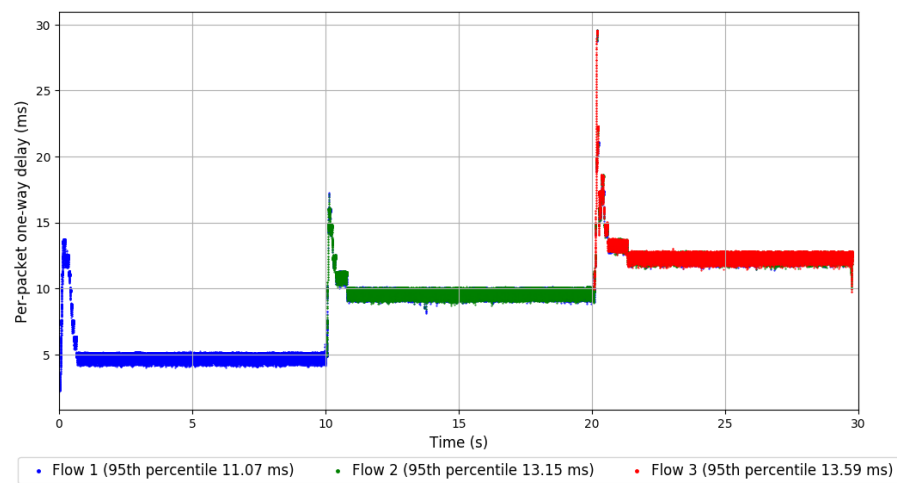
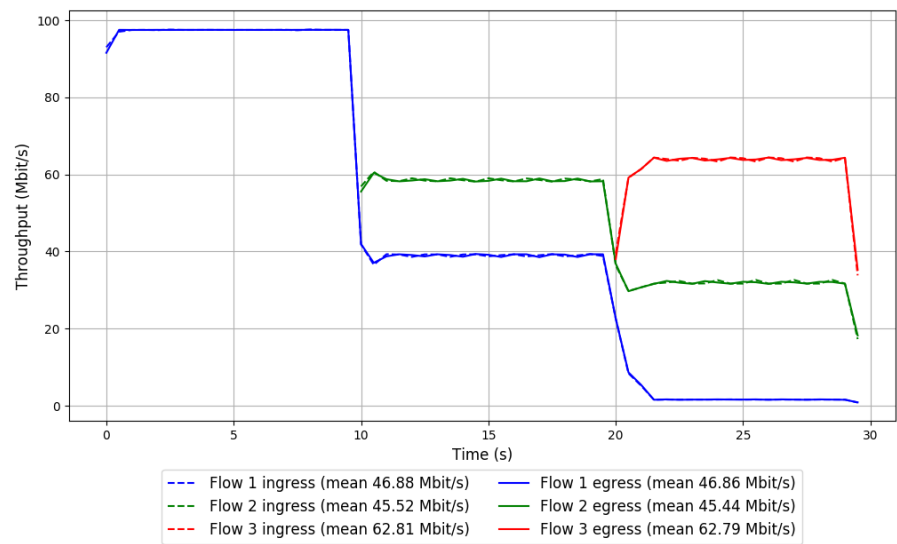


Run 4: Statistics of Indigo-1-32

Start at: 2018-03-21 04:14:46
End at: 2018-03-21 04:15:16
Local clock offset: -3.578 ms
Remote clock offset: -6.432 ms

Below is generated by plot.py at 2018-03-21 07:24:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.799 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 11.068 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 13.147 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 13.594 ms
Loss rate: 0.00%

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

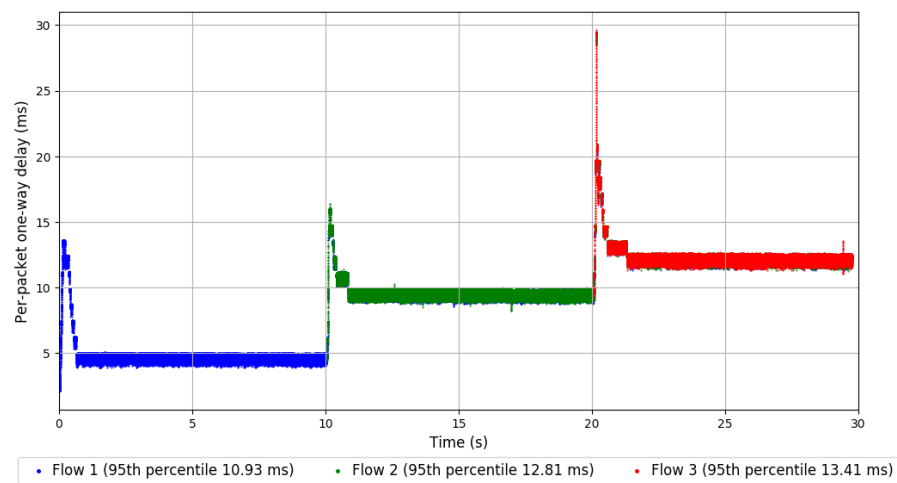
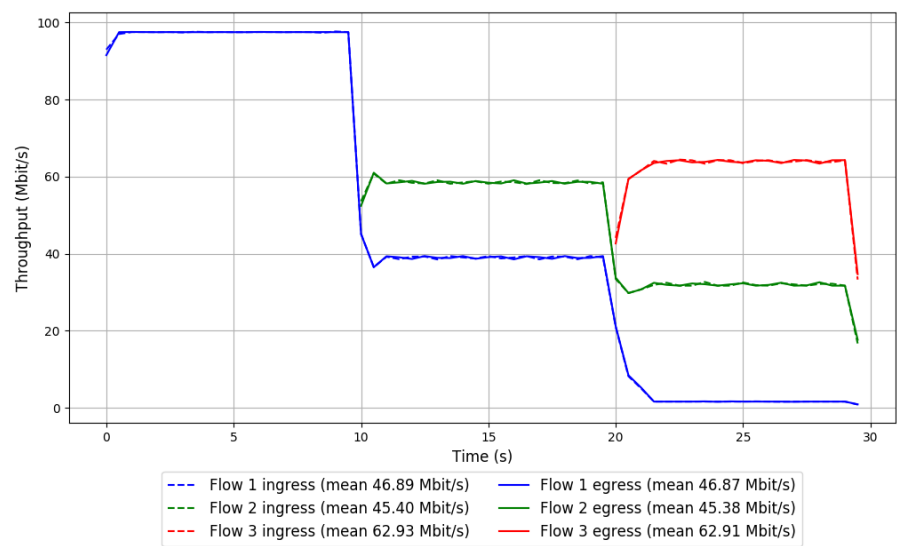


Run 5: Statistics of Indigo-1-32

Start at: 2018-03-21 04:35:18
End at: 2018-03-21 04:35:48
Local clock offset: -4.175 ms
Remote clock offset: -3.463 ms

Below is generated by plot.py at 2018-03-21 07:25:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 10.928 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.38 Mbit/s
95th percentile per-packet one-way delay: 12.815 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 13.409 ms
Loss rate: 0.00%

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

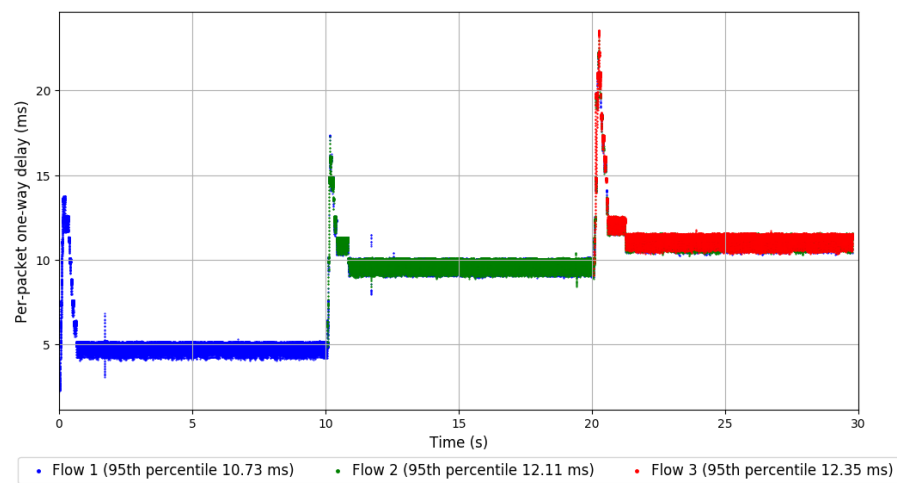
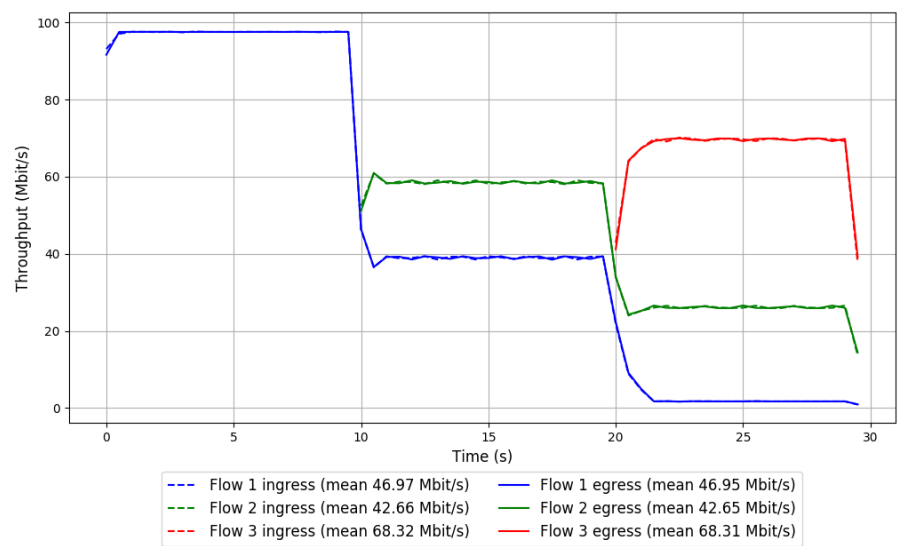


Run 6: Statistics of Indigo-1-32

Start at: 2018-03-21 04:55:49
End at: 2018-03-21 04:56:19
Local clock offset: -4.925 ms
Remote clock offset: -1.469 ms

Below is generated by plot.py at 2018-03-21 07:25:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 10.728 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.65 Mbit/s
95th percentile per-packet one-way delay: 12.110 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 12.350 ms
Loss rate: 0.00%

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

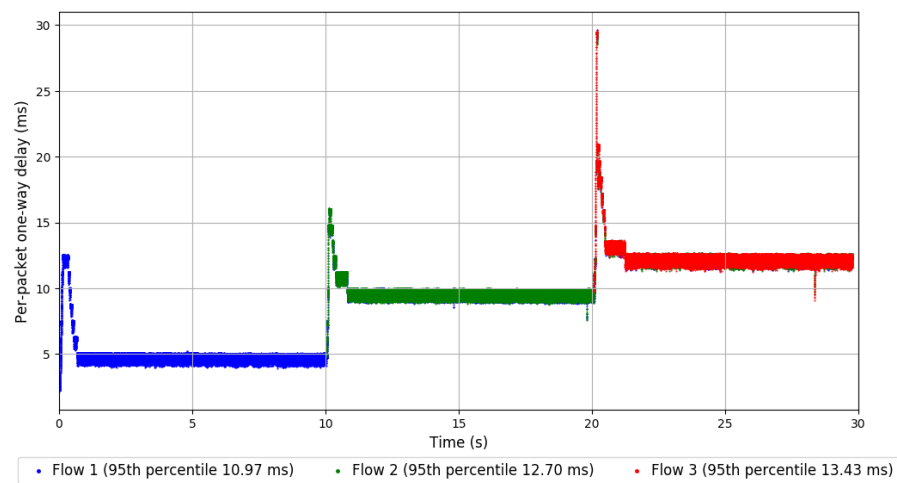
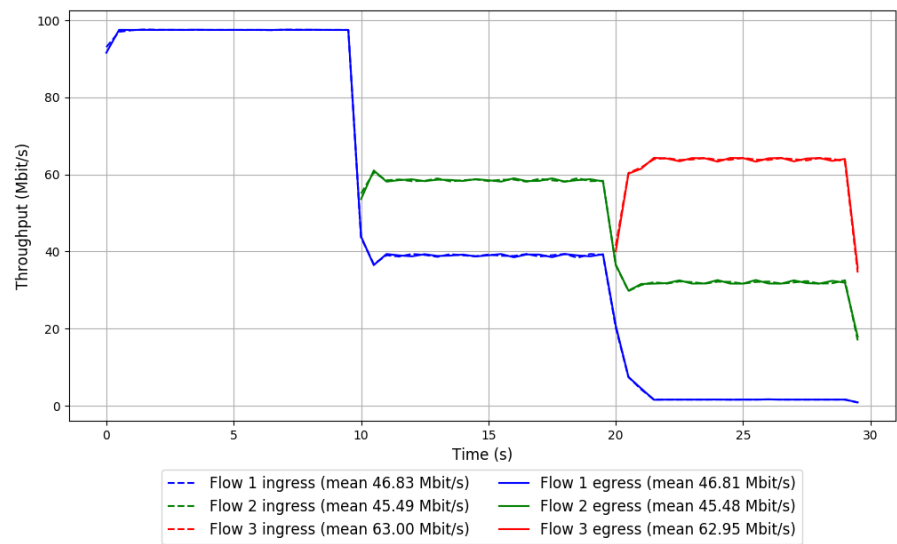


Run 7: Statistics of Indigo-1-32

Start at: 2018-03-21 05:16:20
End at: 2018-03-21 05:16:50
Local clock offset: -4.886 ms
Remote clock offset: 11.493 ms

Below is generated by plot.py at 2018-03-21 07:26:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.583 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 12.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 13.429 ms
Loss rate: 0.05%

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

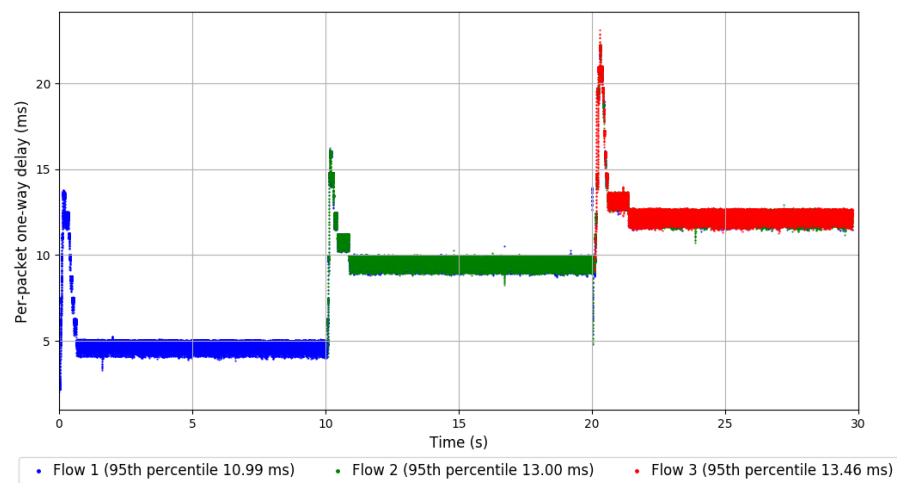
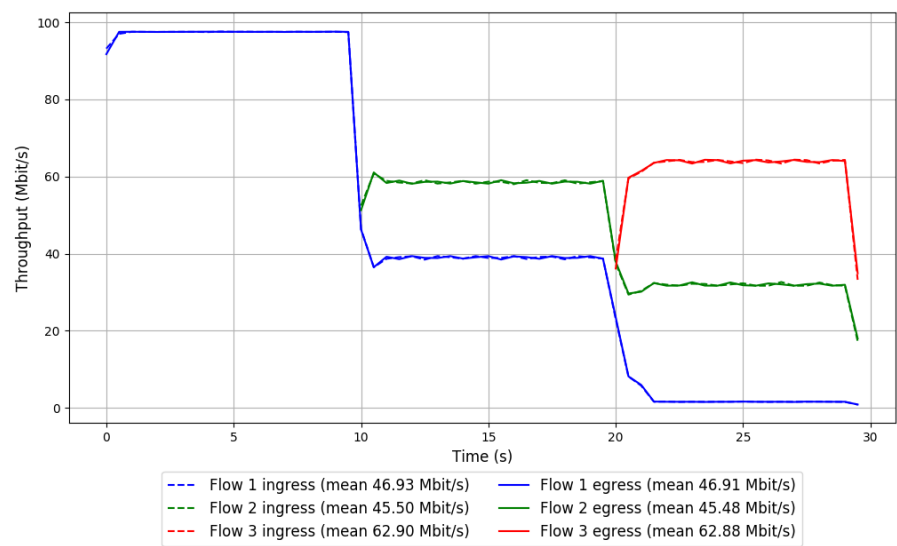


Run 8: Statistics of Indigo-1-32

Start at: 2018-03-21 05:36:52
End at: 2018-03-21 05:37:22
Local clock offset: -4.857 ms
Remote clock offset: 17.731 ms

Below is generated by plot.py at 2018-03-21 07:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 12.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 10.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.48 Mbit/s
95th percentile per-packet one-way delay: 12.998 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.88 Mbit/s
95th percentile per-packet one-way delay: 13.461 ms
Loss rate: 0.00%

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

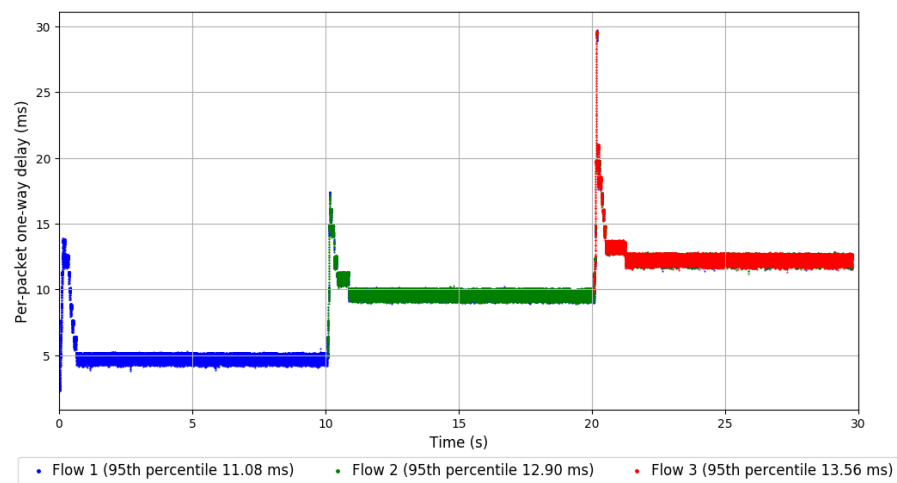
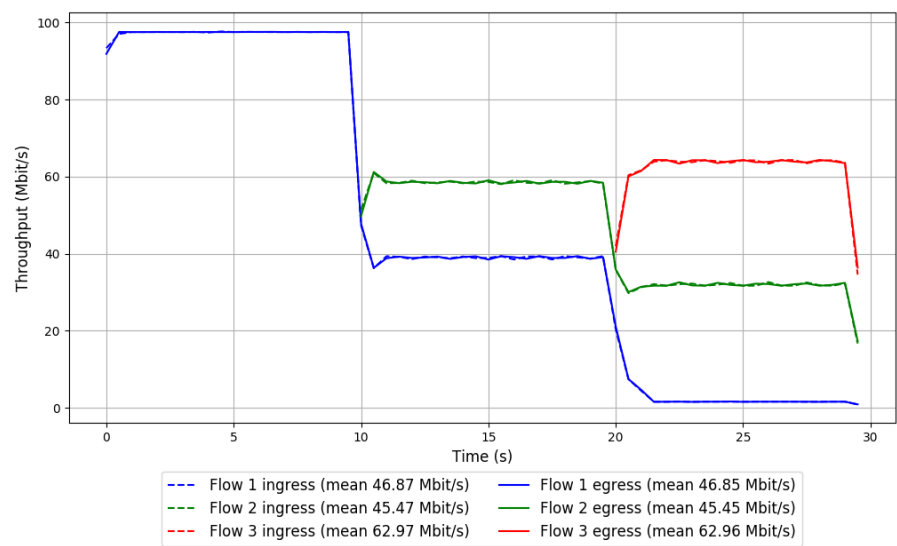


Run 9: Statistics of Indigo-1-32

Start at: 2018-03-21 05:57:24
End at: 2018-03-21 05:57:54
Local clock offset: -3.701 ms
Remote clock offset: 23.086 ms

Below is generated by plot.py at 2018-03-21 07:26:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 12.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 11.079 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 12.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.96 Mbit/s
95th percentile per-packet one-way delay: 13.558 ms
Loss rate: 0.00%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-03-21 06:17:57

End at: 2018-03-21 06:18:27

Local clock offset: -4.658 ms

Remote clock offset: 1.89 ms

Below is generated by plot.py at 2018-03-21 07:26:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 13.232 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 11.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 13.473 ms

Loss rate: 0.00%

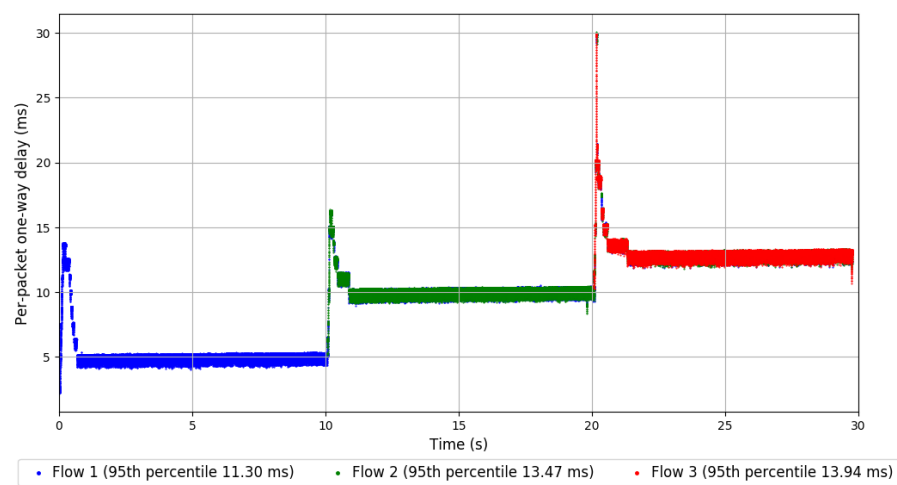
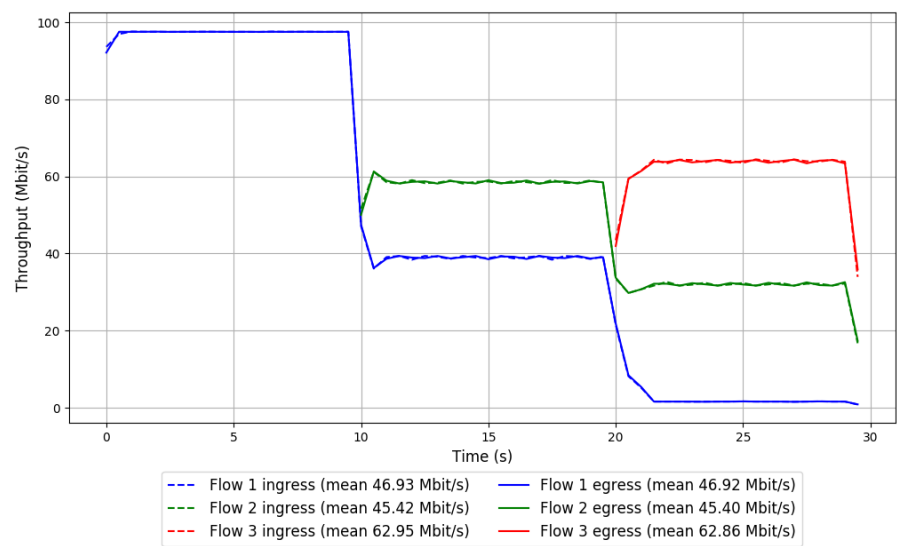
-- Flow 3:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 13.936 ms

Loss rate: 0.12%

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

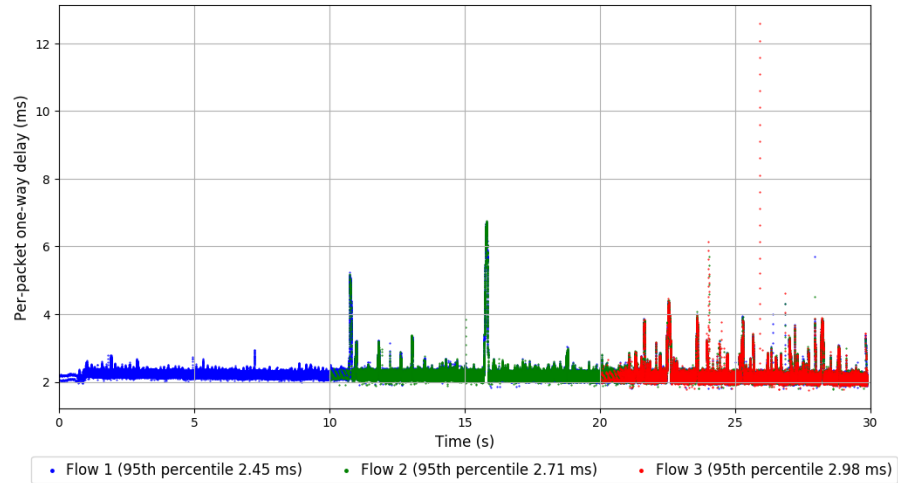
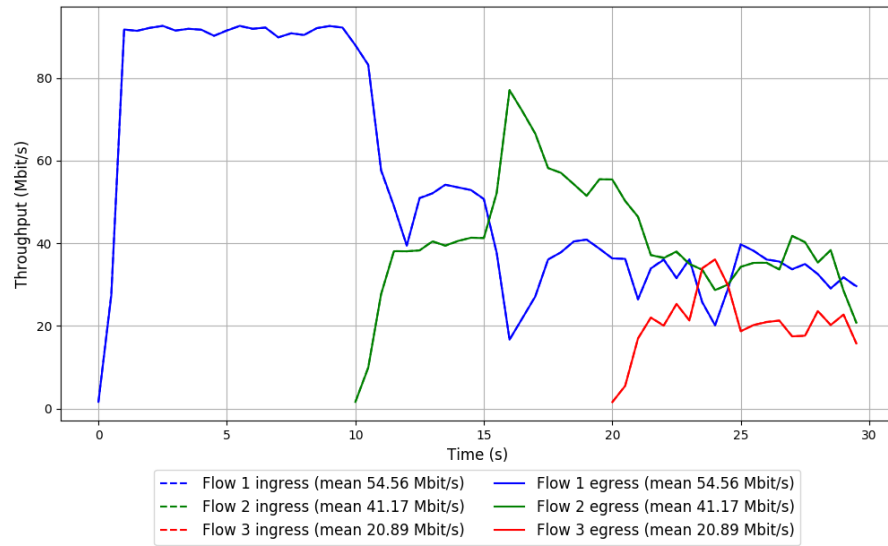


Run 1: Statistics of Vivace-latency

Start at: 2018-03-21 03:22:20
End at: 2018-03-21 03:22:50
Local clock offset: -2.921 ms
Remote clock offset: -4.114 ms

Below is generated by plot.py at 2018-03-21 07:26:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.81 Mbit/s
95th percentile per-packet one-way delay: 2.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.17 Mbit/s
95th percentile per-packet one-way delay: 2.706 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.89 Mbit/s
95th percentile per-packet one-way delay: 2.976 ms
Loss rate: 0.00%

Run 1: Report of Vivace-latency — Data Link

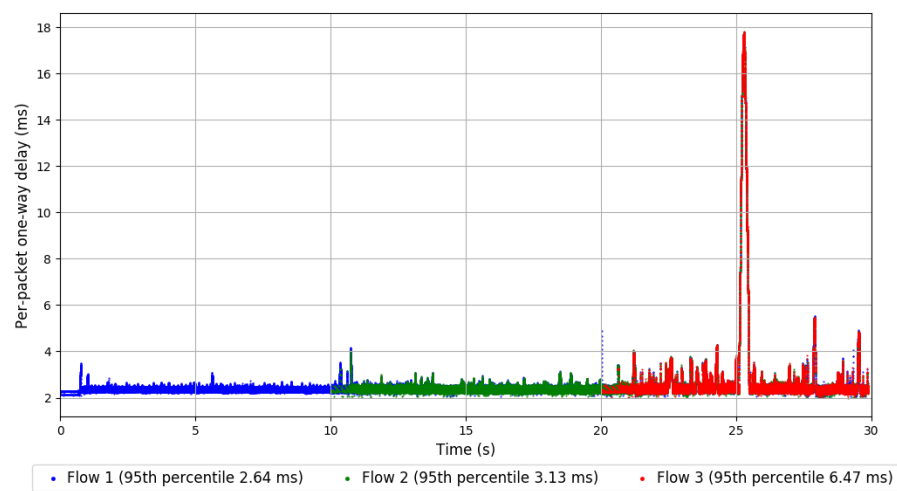
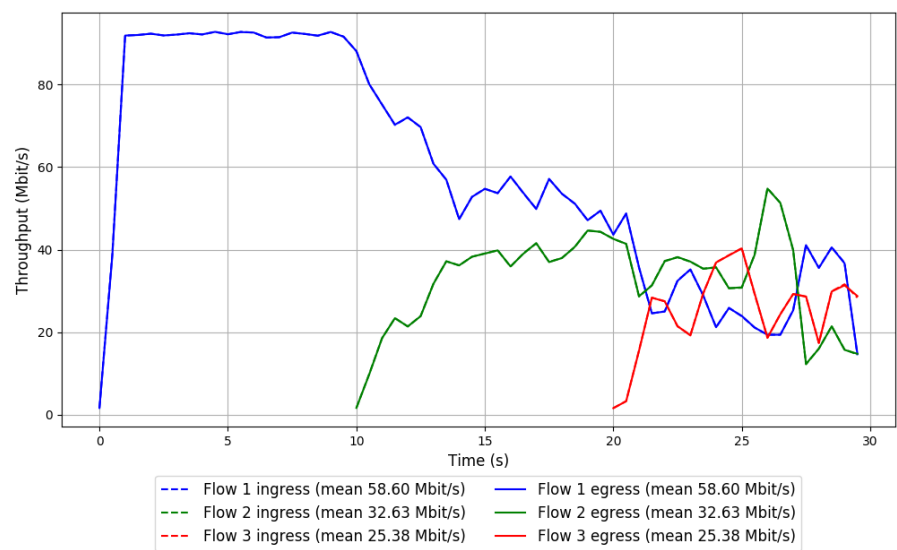


Run 2: Statistics of Vivace-latency

Start at: 2018-03-21 03:42:53
End at: 2018-03-21 03:43:23
Local clock offset: -4.019 ms
Remote clock offset: -0.941 ms

Below is generated by plot.py at 2018-03-21 07:26:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.67 Mbit/s
95th percentile per-packet one-way delay: 2.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.60 Mbit/s
95th percentile per-packet one-way delay: 2.643 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 3.132 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 6.471 ms
Loss rate: 0.00%

Run 2: Report of Vivace-latency — Data Link



Run 3: Statistics of Vivace-latency

Start at: 2018-03-21 04:03:25

End at: 2018-03-21 04:03:55

Local clock offset: -3.752 ms

Remote clock offset: -5.2 ms

Below is generated by plot.py at 2018-03-21 07:27:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.93 Mbit/s

95th percentile per-packet one-way delay: 4.144 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 3.231 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 5.098 ms

Loss rate: 0.00%

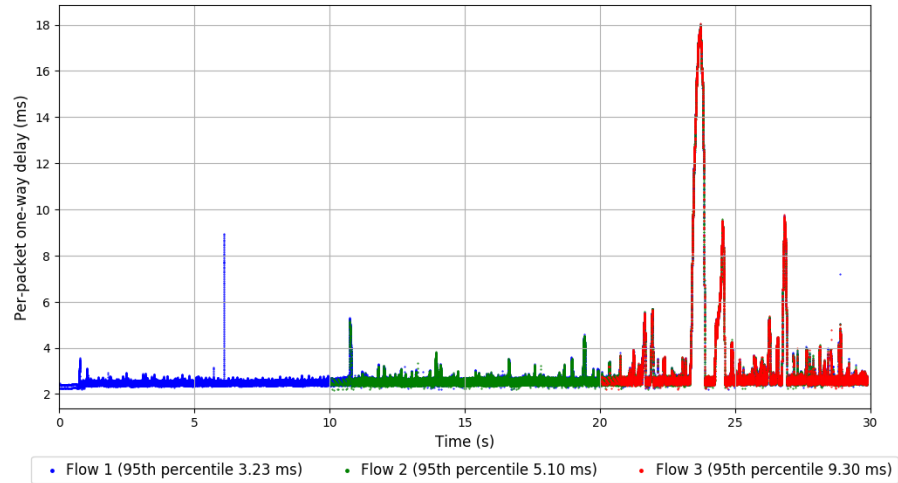
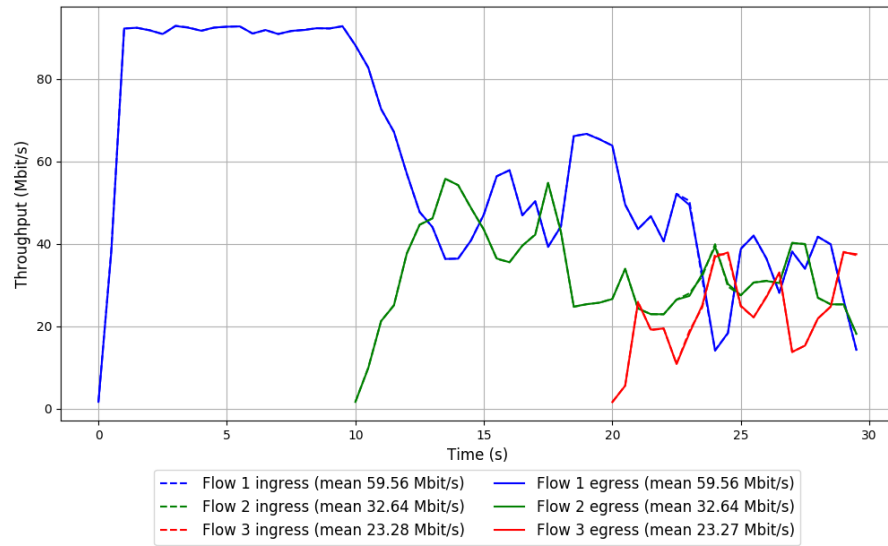
-- Flow 3:

Average throughput: 23.27 Mbit/s

95th percentile per-packet one-way delay: 9.300 ms

Loss rate: 0.02%

Run 3: Report of Vivace-latency — Data Link

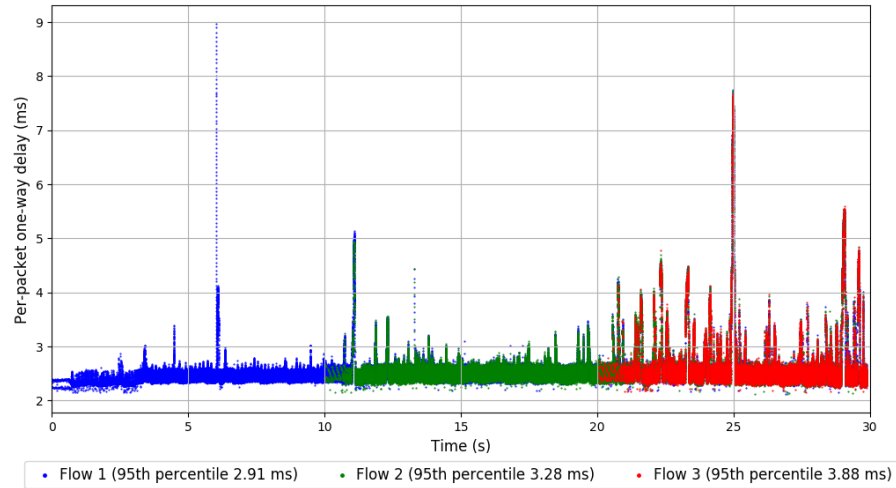
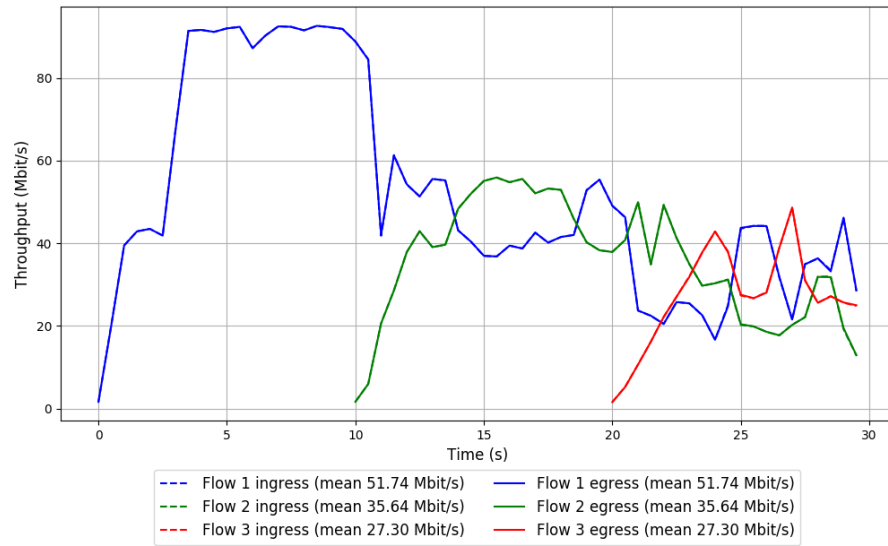


Run 4: Statistics of Vivace-latency

Start at: 2018-03-21 04:23:58
End at: 2018-03-21 04:24:28
Local clock offset: -3.438 ms
Remote clock offset: -6.786 ms

```
# Below is generated by plot.py at 2018-03-21 07:27:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.44 Mbit/s
95th percentile per-packet one-way delay: 3.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 2.910 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 3.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.30 Mbit/s
95th percentile per-packet one-way delay: 3.883 ms
Loss rate: 0.00%
```

Run 4: Report of Vivace-latency — Data Link

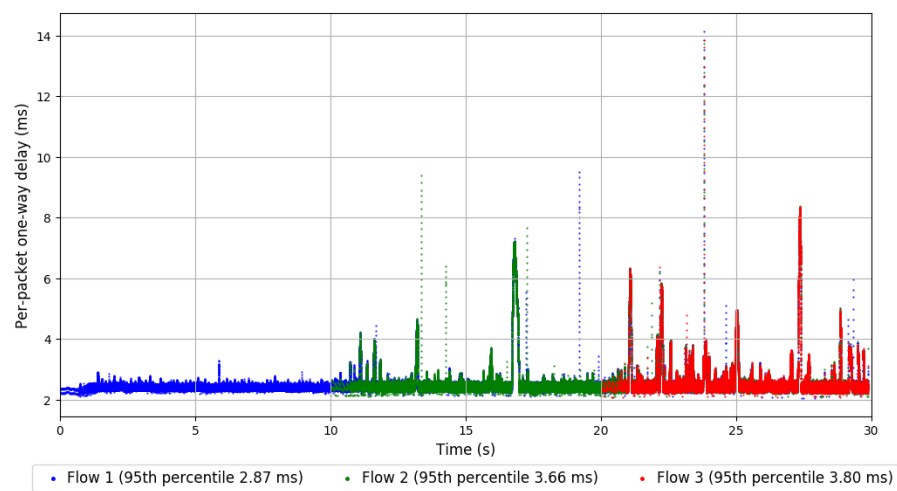
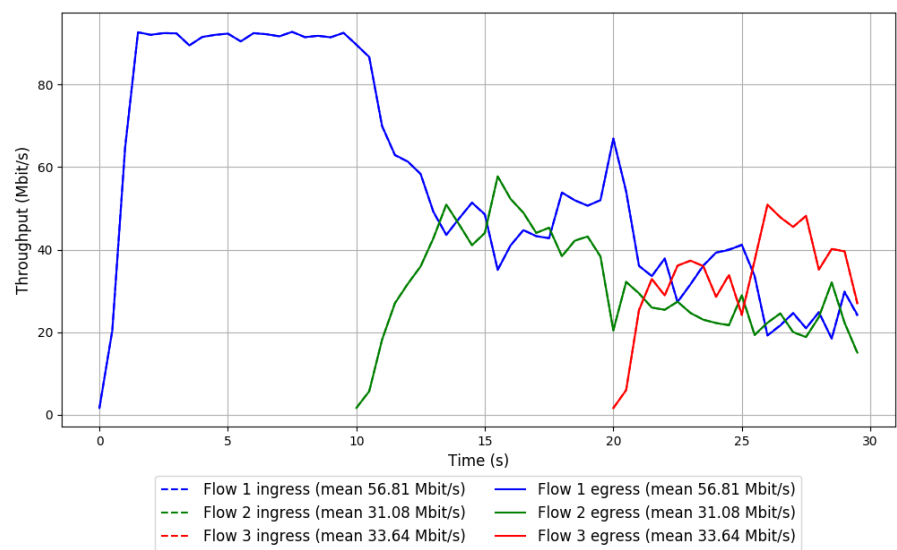


Run 5: Statistics of Vivace-latency

Start at: 2018-03-21 04:44:31
End at: 2018-03-21 04:45:01
Local clock offset: -4.702 ms
Remote clock offset: -2.248 ms

```
# Below is generated by plot.py at 2018-03-21 07:27:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.57 Mbit/s
95th percentile per-packet one-way delay: 3.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.81 Mbit/s
95th percentile per-packet one-way delay: 2.871 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.08 Mbit/s
95th percentile per-packet one-way delay: 3.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 3.804 ms
Loss rate: 0.00%
```


Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-03-21 05:05:01

End at: 2018-03-21 05:05:31

Local clock offset: -4.989 ms

Remote clock offset: 5.266 ms

Below is generated by plot.py at 2018-03-21 07:27:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.18 Mbit/s

95th percentile per-packet one-way delay: 2.630 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 2.790 ms

Loss rate: 0.01%

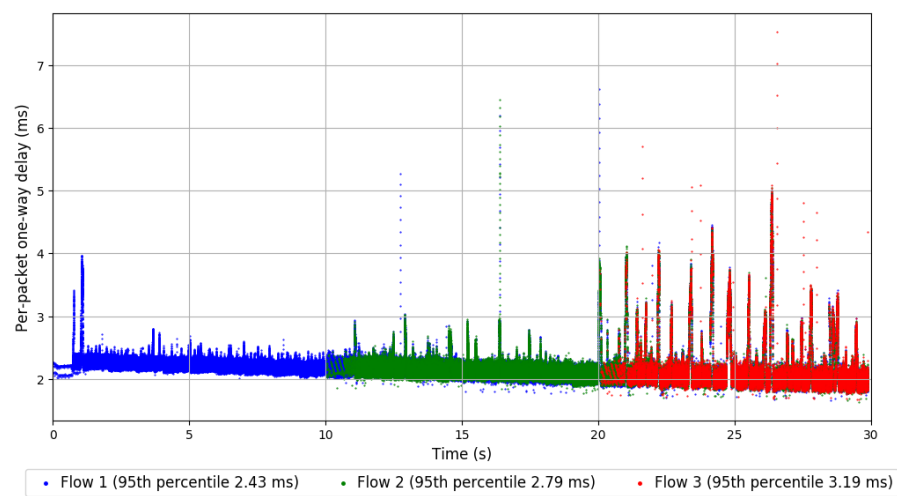
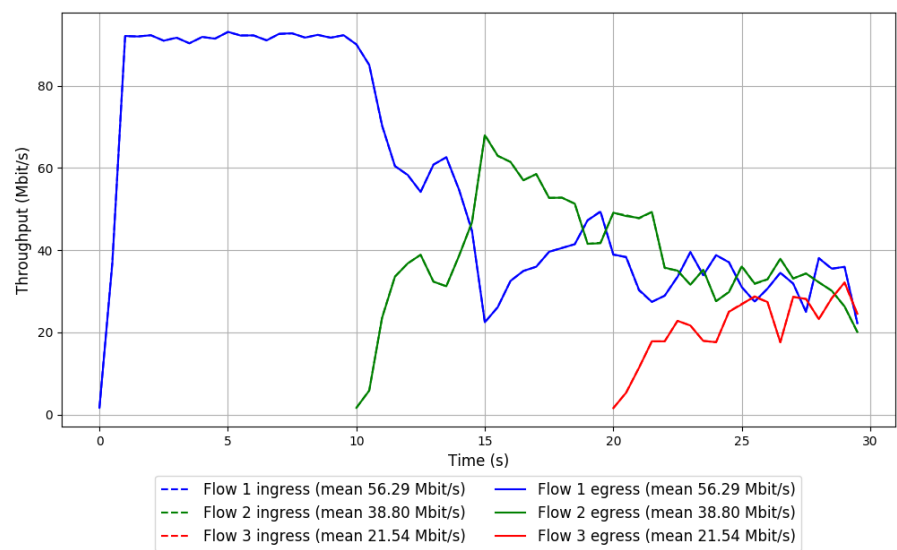
-- Flow 3:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 3.191 ms

Loss rate: 0.00%

Run 6: Report of Vivace-latency — Data Link

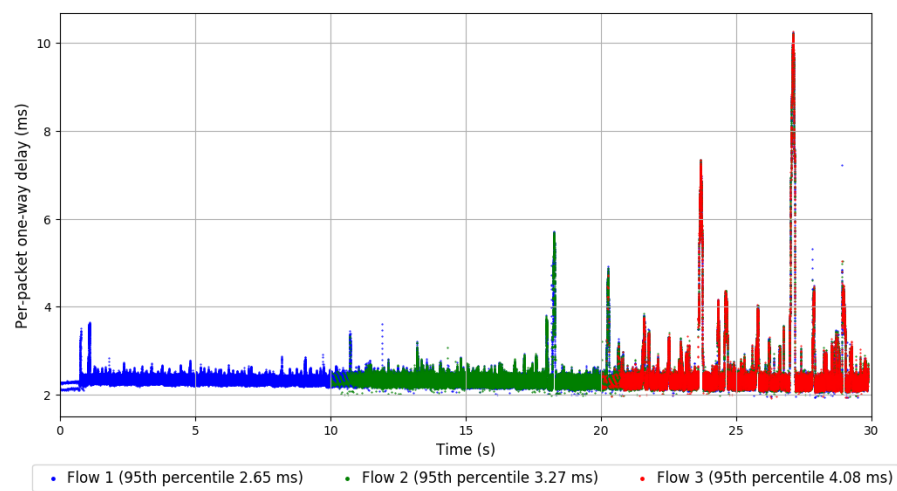
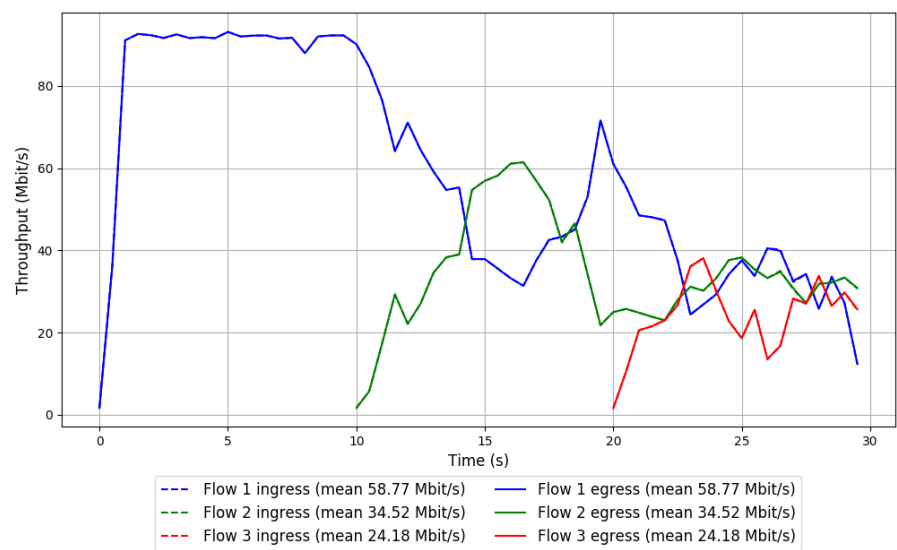


Run 7: Statistics of Vivace-latency

Start at: 2018-03-21 05:25:32
End at: 2018-03-21 05:26:02
Local clock offset: -4.846 ms
Remote clock offset: 14.626 ms

Below is generated by plot.py at 2018-03-21 07:27:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.70 Mbit/s
95th percentile per-packet one-way delay: 2.951 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.77 Mbit/s
95th percentile per-packet one-way delay: 2.651 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 3.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.18 Mbit/s
95th percentile per-packet one-way delay: 4.080 ms
Loss rate: 0.00%

Run 7: Report of Vivace-latency — Data Link

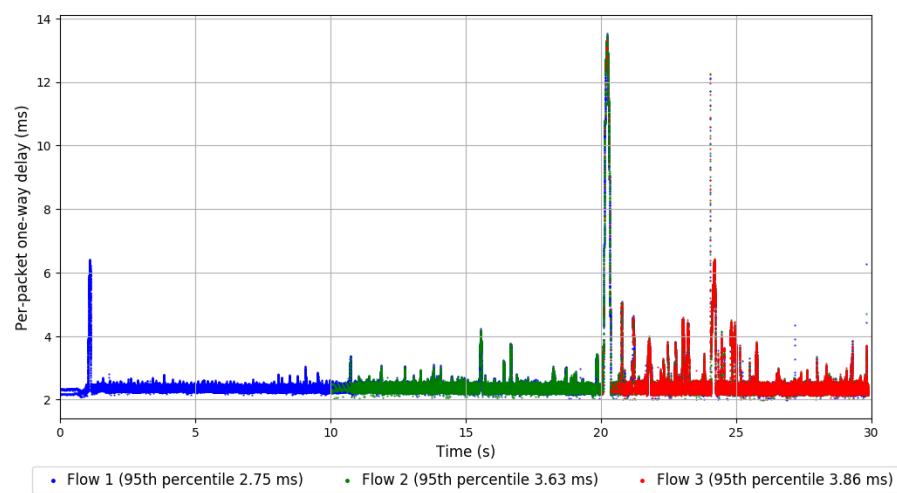
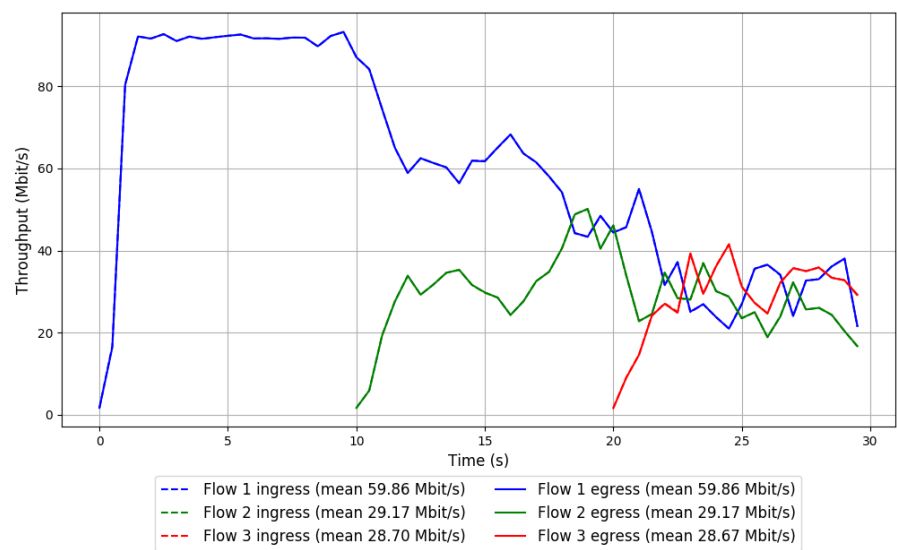


Run 8: Statistics of Vivace-latency

Start at: 2018-03-21 05:46:05
End at: 2018-03-21 05:46:35
Local clock offset: -4.043 ms
Remote clock offset: 20.191 ms

```
# Below is generated by plot.py at 2018-03-21 07:27:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 3.143 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 2.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 3.626 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 3.864 ms
Loss rate: 0.10%
```

Run 8: Report of Vivace-latency — Data Link

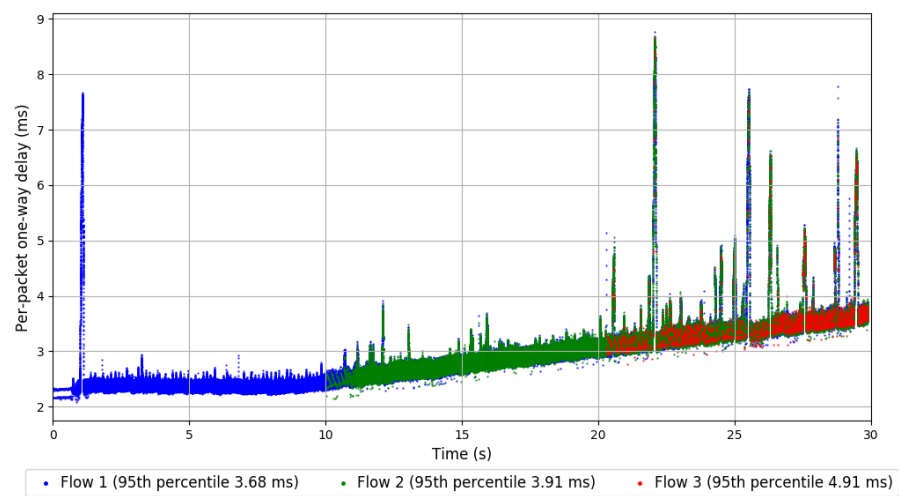
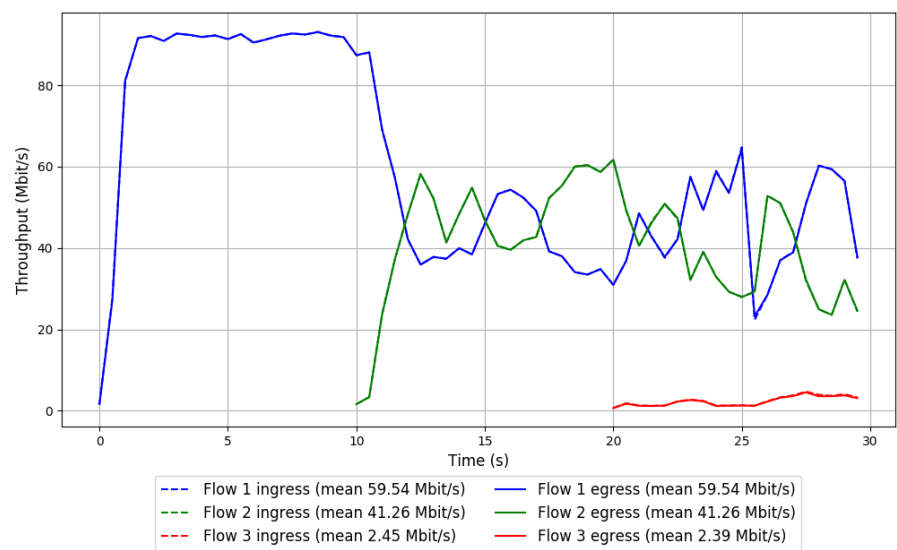


Run 9: Statistics of Vivace-latency

Start at: 2018-03-21 06:06:37
End at: 2018-03-21 06:07:07
Local clock offset: -3.463 ms
Remote clock offset: 25.404 ms

Below is generated by plot.py at 2018-03-21 07:27:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.74 Mbit/s
95th percentile per-packet one-way delay: 3.728 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 3.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 3.907 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 4.912 ms
Loss rate: 4.91%

Run 9: Report of Vivace-latency — Data Link

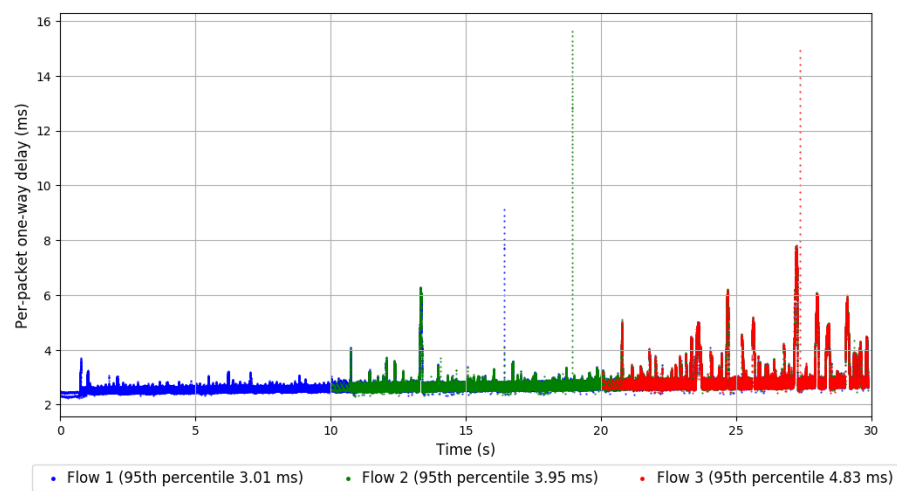
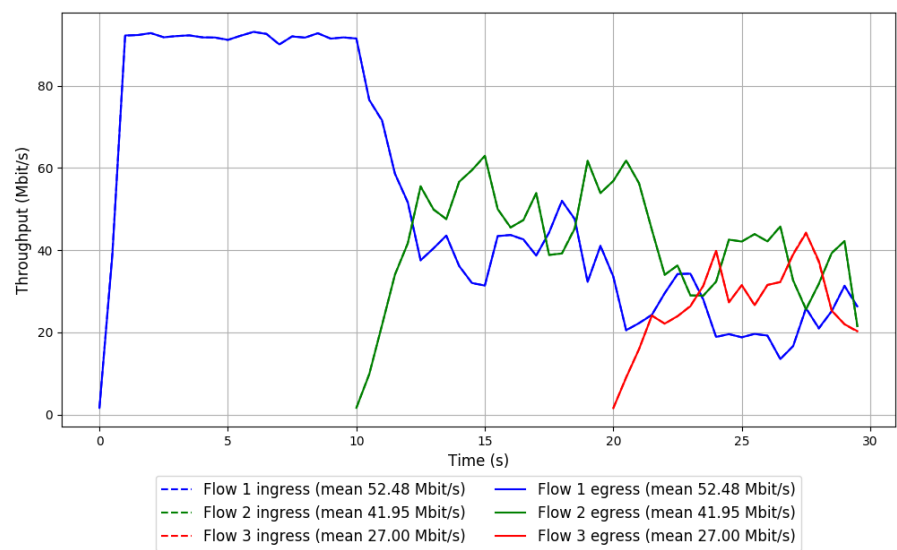


Run 10: Statistics of Vivace-latency

Start at: 2018-03-21 06:27:09
End at: 2018-03-21 06:27:39
Local clock offset: -5.658 ms
Remote clock offset: -5.629 ms

Below is generated by plot.py at 2018-03-21 07:27:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.27 Mbit/s
95th percentile per-packet one-way delay: 3.610 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 3.013 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 3.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 4.832 ms
Loss rate: 0.00%

Run 10: Report of Vivace-latency — Data Link

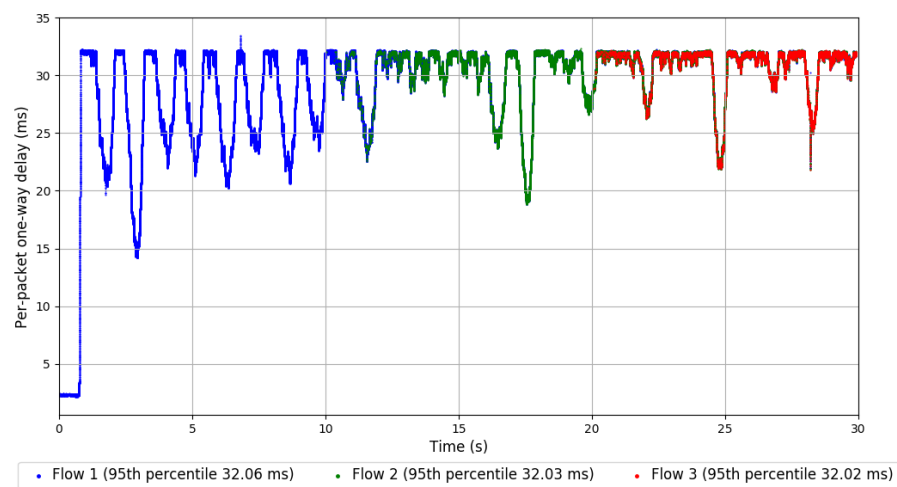
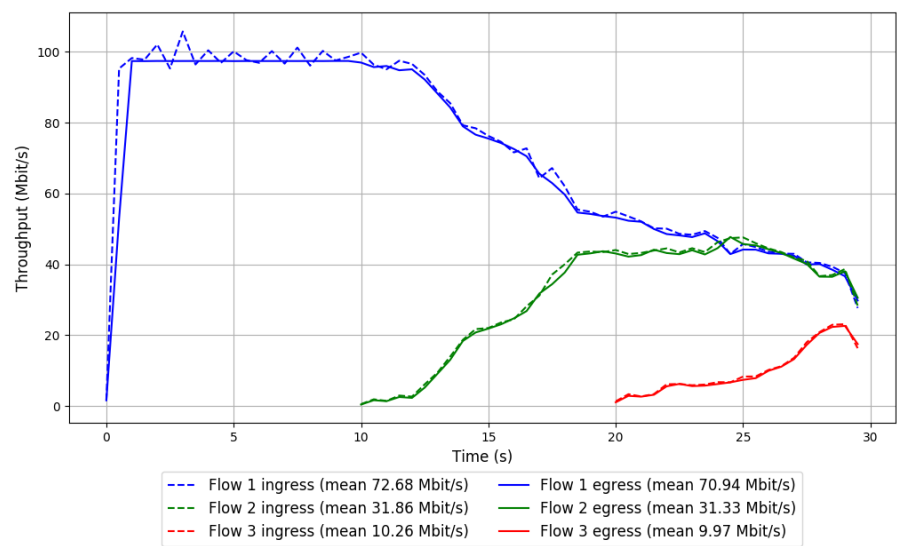


Run 1: Statistics of Vivace-loss

Start at: 2018-03-21 03:09:47
End at: 2018-03-21 03:10:17
Local clock offset: -2.93 ms
Remote clock offset: -6.576 ms

Below is generated by plot.py at 2018-03-21 07:28:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.056 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 32.064 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 31.33 Mbit/s
95th percentile per-packet one-way delay: 32.031 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 32.016 ms
Loss rate: 2.80%

Run 1: Report of Vivace-loss — Data Link

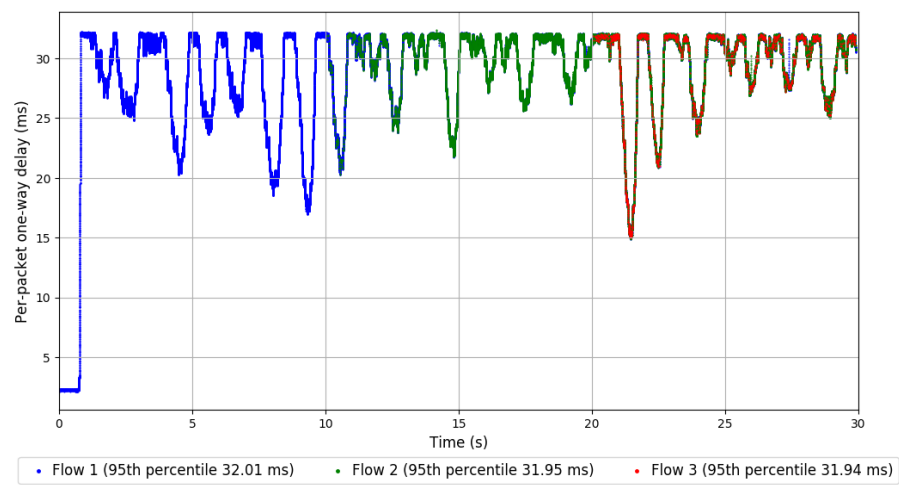
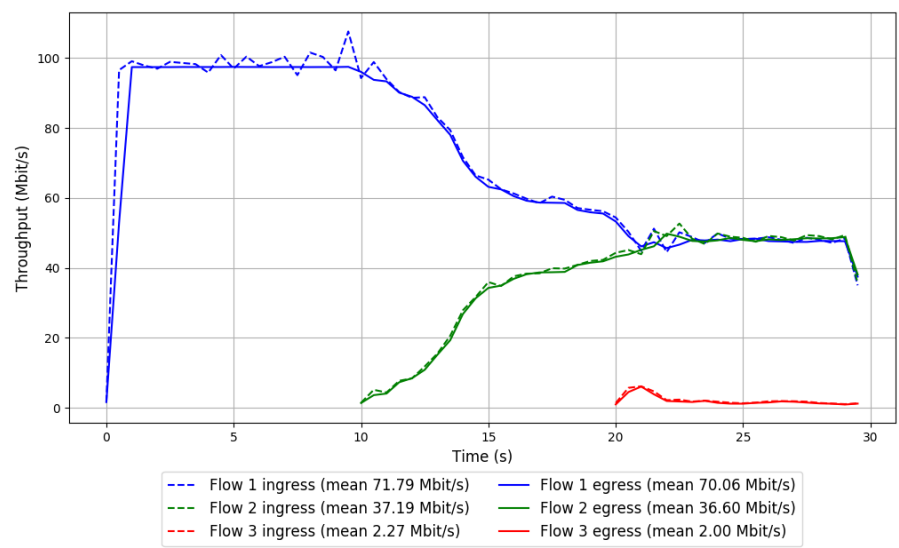


Run 2: Statistics of Vivace-loss

Start at: 2018-03-21 03:30:19
End at: 2018-03-21 03:30:49
Local clock offset: -3.739 ms
Remote clock offset: -2.313 ms

Below is generated by plot.py at 2018-03-21 07:28:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.000 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 70.06 Mbit/s
95th percentile per-packet one-way delay: 32.014 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 36.60 Mbit/s
95th percentile per-packet one-way delay: 31.947 ms
Loss rate: 1.60%
-- Flow 3:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 31.943 ms
Loss rate: 12.08%

Run 2: Report of Vivace-loss — Data Link

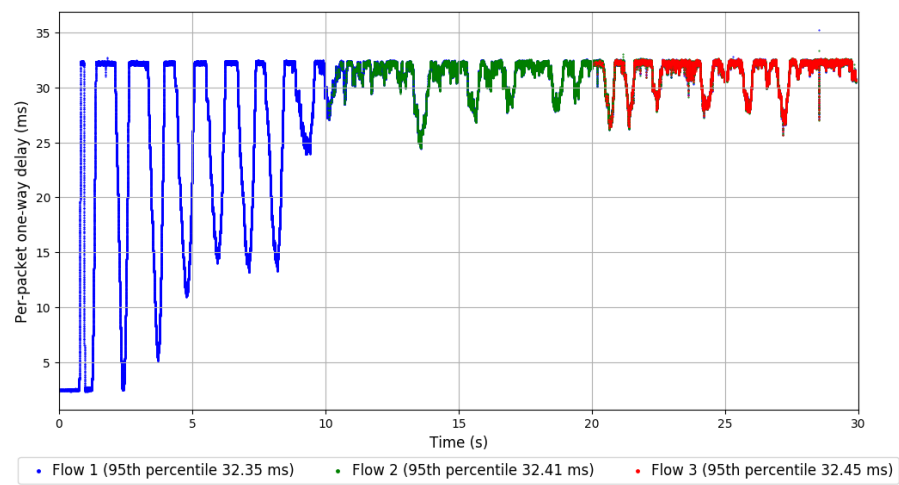
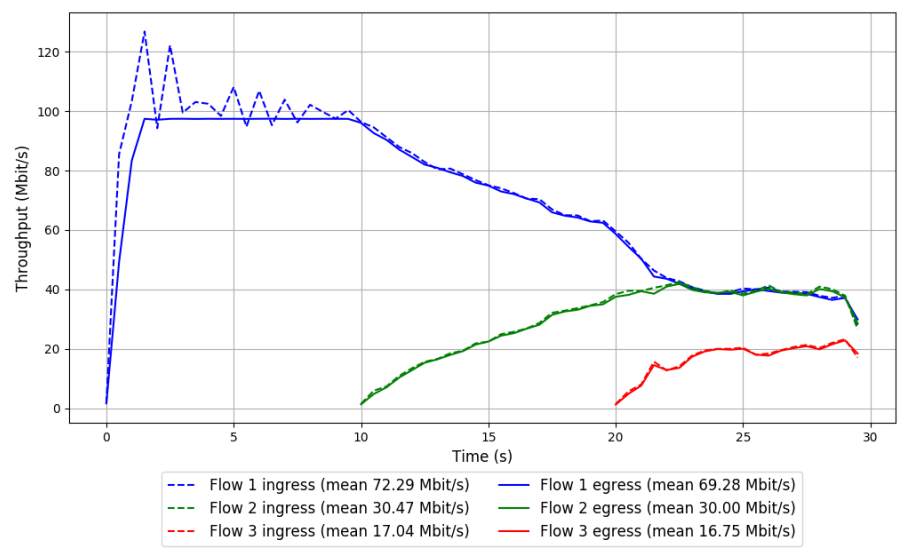


Run 3: Statistics of Vivace-loss

Start at: 2018-03-21 03:50:52
End at: 2018-03-21 03:51:22
Local clock offset: -4.034 ms
Remote clock offset: -0.635 ms

Below is generated by plot.py at 2018-03-21 07:28:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 32.374 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 32.350 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 32.412 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 32.448 ms
Loss rate: 1.76%

Run 3: Report of Vivace-loss — Data Link

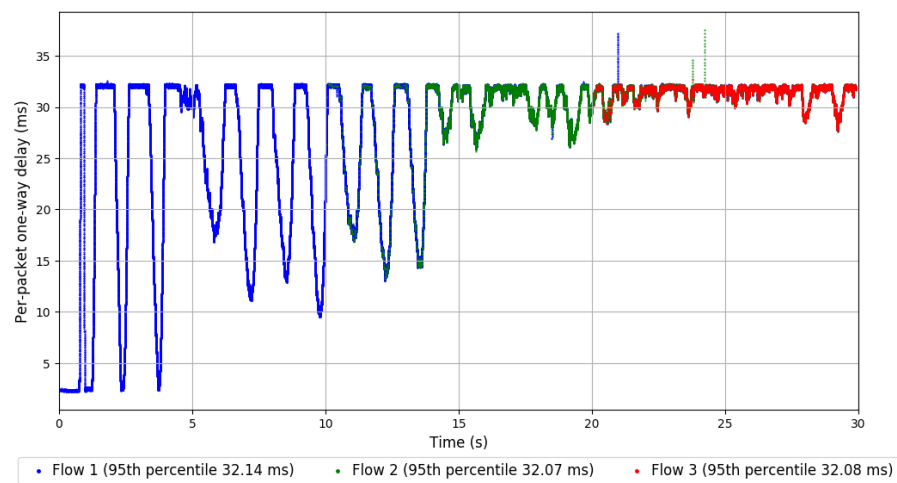
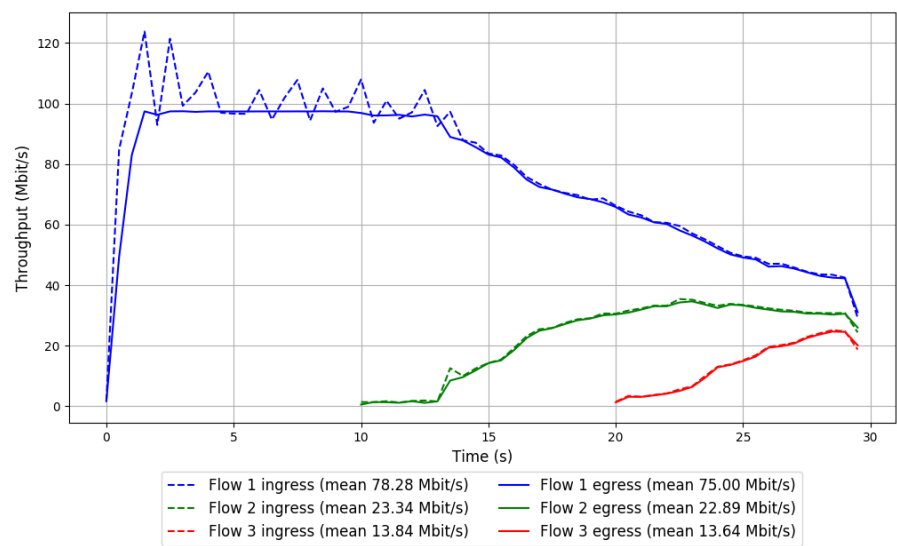


Run 4: Statistics of Vivace-loss

Start at: 2018-03-21 04:11:25
End at: 2018-03-21 04:11:55
Local clock offset: -3.639 ms
Remote clock offset: -6.153 ms

Below is generated by plot.py at 2018-03-21 07:29:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 32.130 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 32.138 ms
Loss rate: 4.10%
-- Flow 2:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 32.074 ms
Loss rate: 1.88%
-- Flow 3:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 32.075 ms
Loss rate: 1.41%

Run 4: Report of Vivace-loss — Data Link

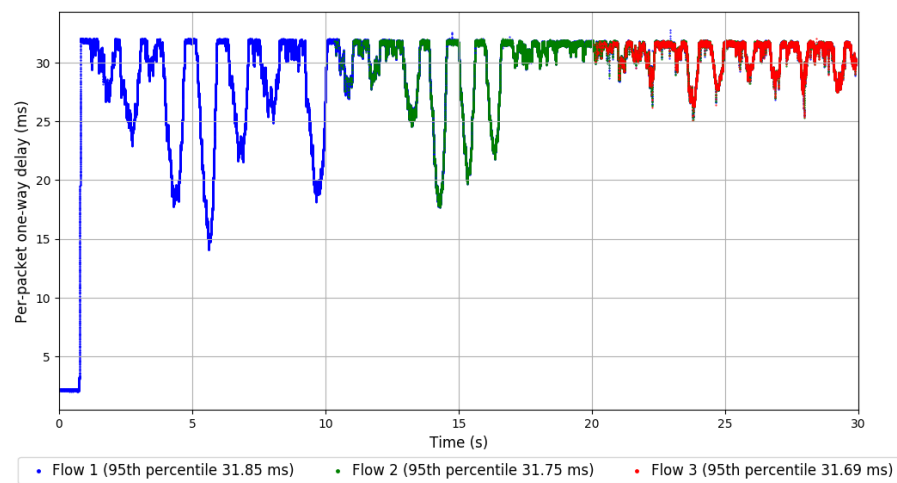
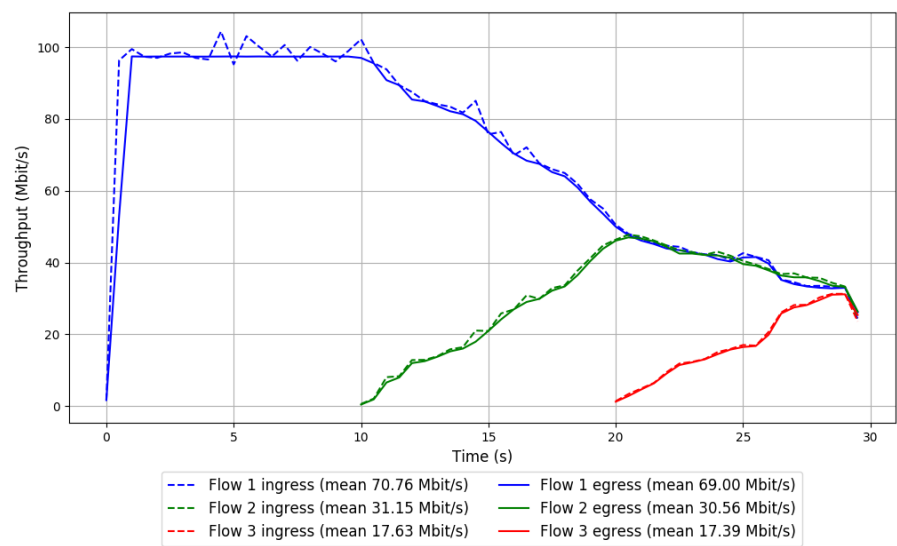


Run 5: Statistics of Vivace-loss

Start at: 2018-03-21 04:31:57
End at: 2018-03-21 04:32:27
Local clock offset: -3.801 ms
Remote clock offset: -4.147 ms

Below is generated by plot.py at 2018-03-21 07:29:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 31.829 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 31.850 ms
Loss rate: 2.39%
-- Flow 2:
Average throughput: 30.56 Mbit/s
95th percentile per-packet one-way delay: 31.750 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 17.39 Mbit/s
95th percentile per-packet one-way delay: 31.693 ms
Loss rate: 1.34%

Run 5: Report of Vivace-loss — Data Link

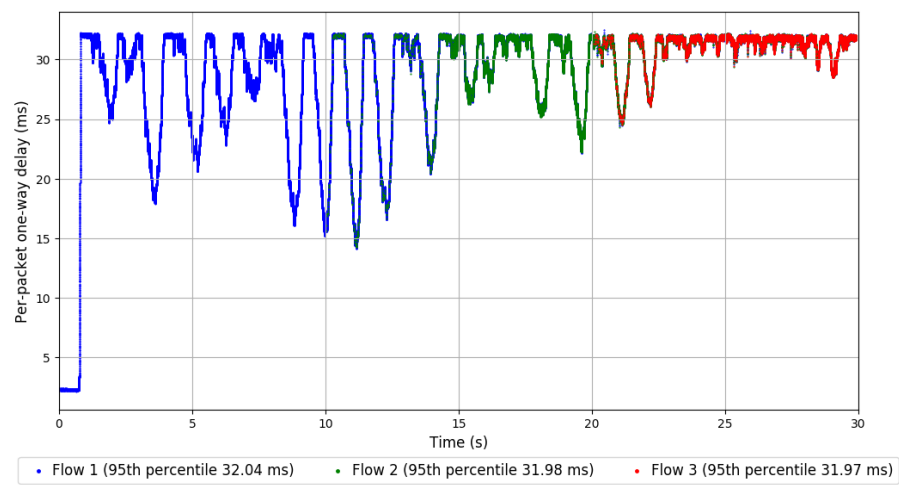
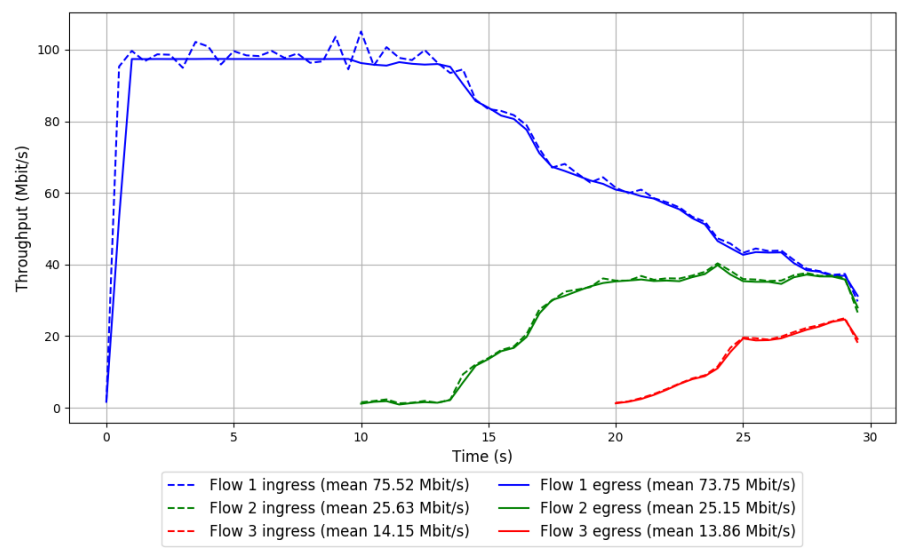


Run 6: Statistics of Vivace-loss

Start at: 2018-03-21 04:52:29
End at: 2018-03-21 04:52:59
Local clock offset: -4.875 ms
Remote clock offset: -1.679 ms

Below is generated by plot.py at 2018-03-21 07:29:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.029 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 73.75 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 2.25%
-- Flow 2:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 31.975 ms
Loss rate: 1.81%
-- Flow 3:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 31.974 ms
Loss rate: 2.02%

Run 6: Report of Vivace-loss — Data Link

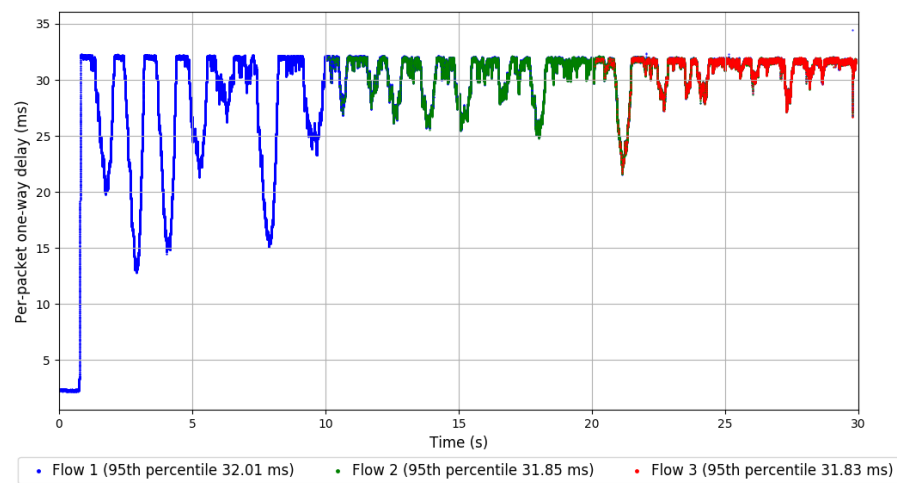
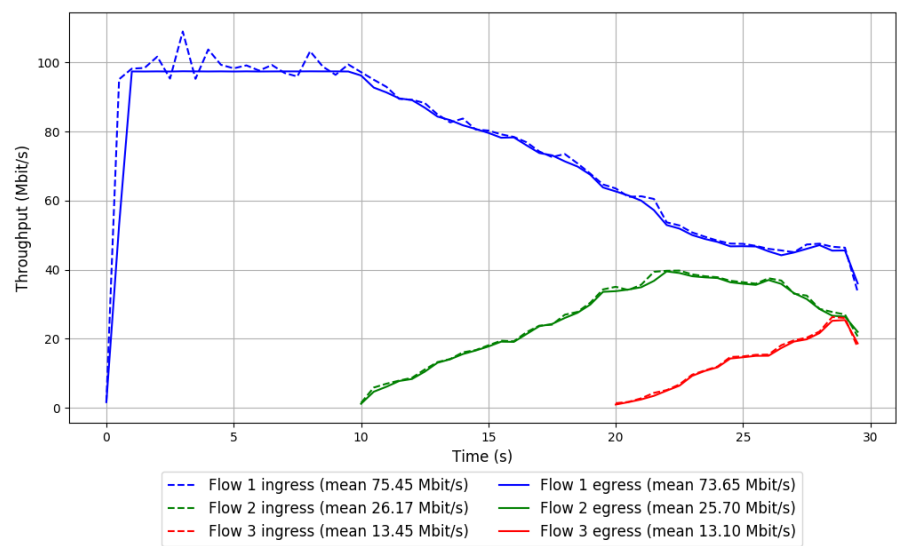


Run 7: Statistics of Vivace-loss

Start at: 2018-03-21 05:12:59
End at: 2018-03-21 05:13:29
Local clock offset: -4.88 ms
Remote clock offset: 10.136 ms

Below is generated by plot.py at 2018-03-21 07:29:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 31.987 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 2.29%
-- Flow 2:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 31.854 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 13.10 Mbit/s
95th percentile per-packet one-way delay: 31.829 ms
Loss rate: 2.59%

Run 7: Report of Vivace-loss — Data Link

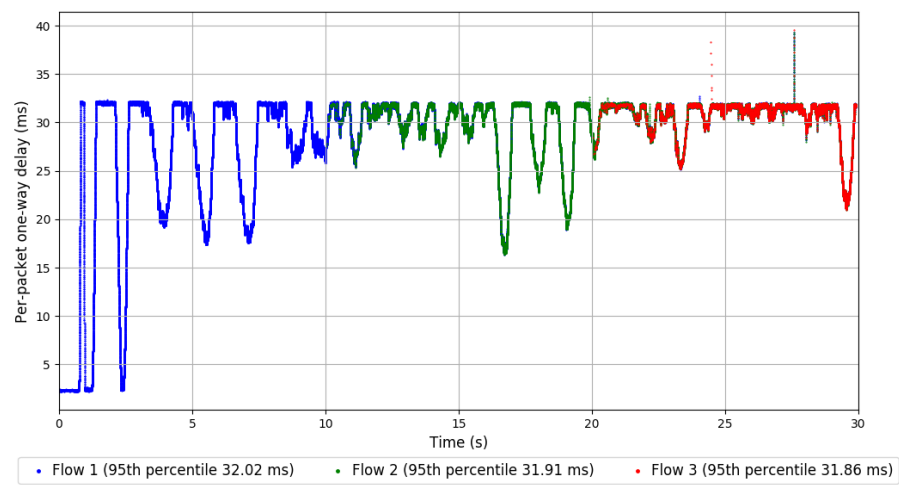
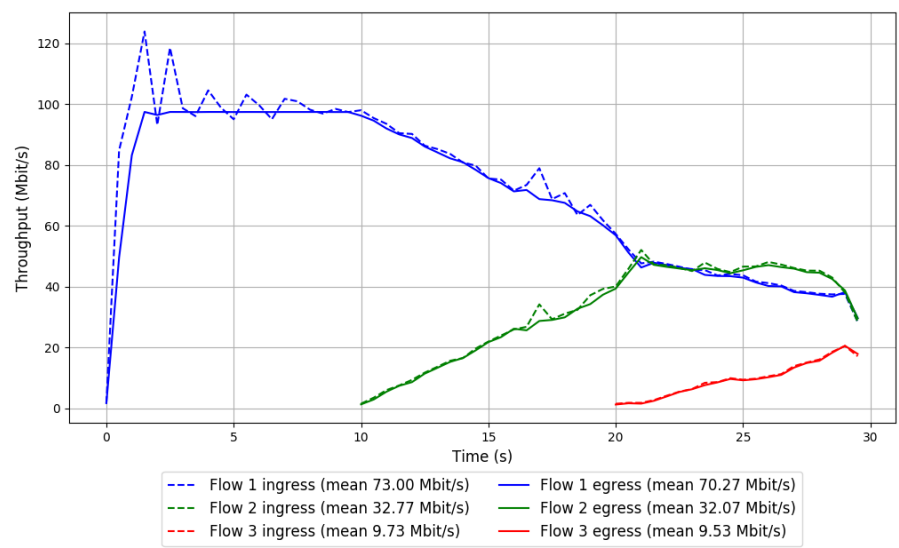


Run 8: Statistics of Vivace-loss

Start at: 2018-03-21 05:33:31
End at: 2018-03-21 05:34:01
Local clock offset: -4.887 ms
Remote clock offset: 16.887 ms

Below is generated by plot.py at 2018-03-21 07:29:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 32.002 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 32.020 ms
Loss rate: 3.65%
-- Flow 2:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 2.12%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 31.860 ms
Loss rate: 2.03%

Run 8: Report of Vivace-loss — Data Link

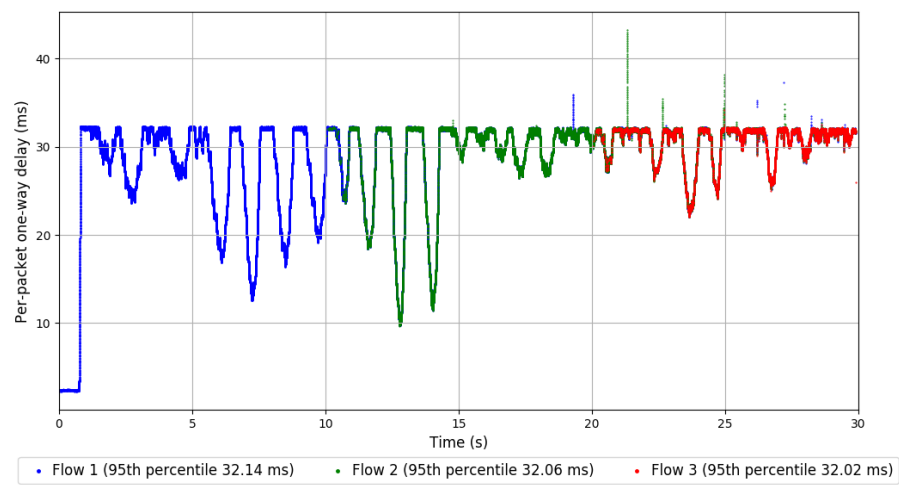
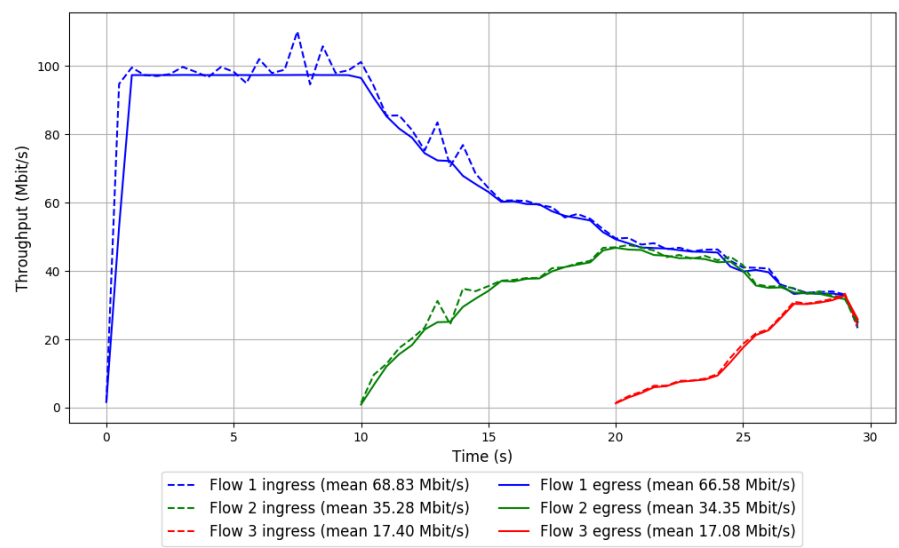


Run 9: Statistics of Vivace-loss

Start at: 2018-03-21 05:54:04
End at: 2018-03-21 05:54:34
Local clock offset: -3.811 ms
Remote clock offset: 22.265 ms

Below is generated by plot.py at 2018-03-21 07:30:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.03 Mbit/s
95th percentile per-packet one-way delay: 32.119 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 32.136 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 32.063 ms
Loss rate: 2.63%
-- Flow 3:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 32.015 ms
Loss rate: 1.85%

Run 9: Report of Vivace-loss — Data Link



Run 10: Statistics of Vivace-loss

Start at: 2018-03-21 06:14:36

End at: 2018-03-21 06:15:06

Local clock offset: -4.073 ms

Remote clock offset: 6.756 ms

Below is generated by plot.py at 2018-03-21 07:30:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.03 Mbit/s

95th percentile per-packet one-way delay: 32.763 ms

Loss rate: 3.48%

-- Flow 1:

Average throughput: 69.86 Mbit/s

95th percentile per-packet one-way delay: 32.722 ms

Loss rate: 3.72%

-- Flow 2:

Average throughput: 33.27 Mbit/s

95th percentile per-packet one-way delay: 32.809 ms

Loss rate: 2.96%

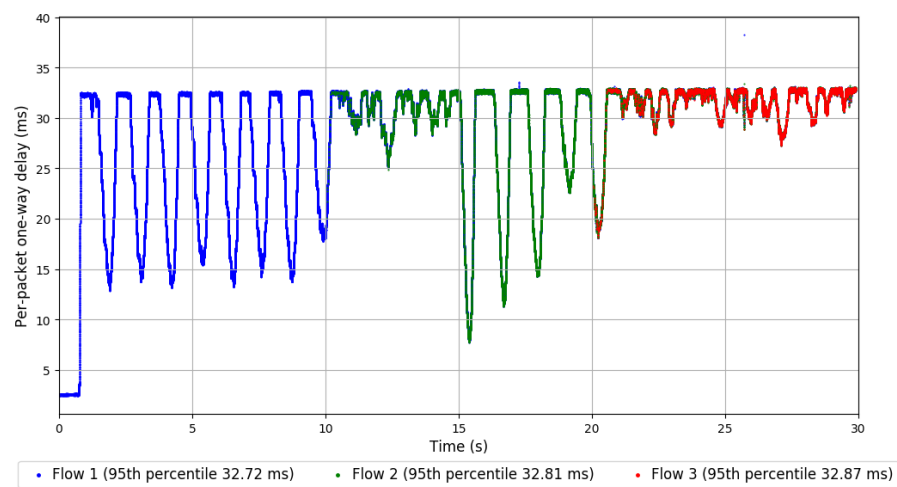
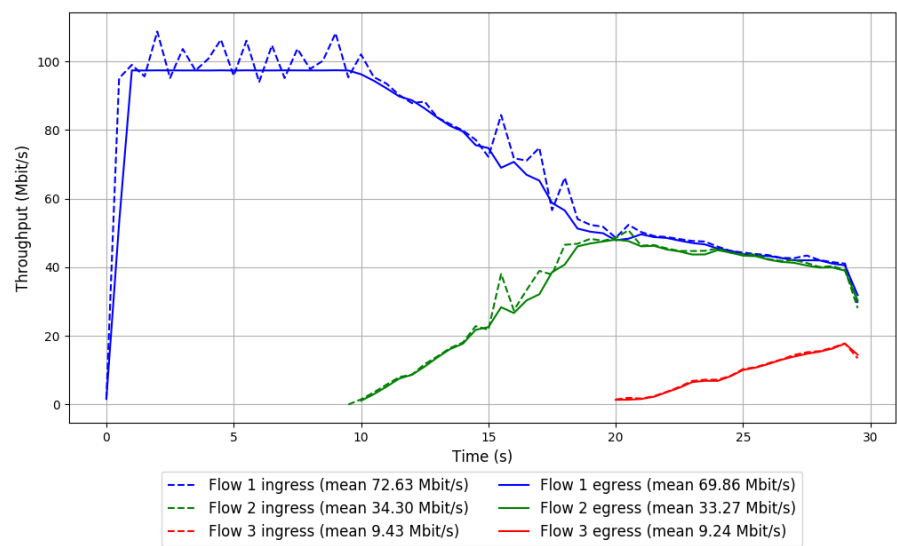
-- Flow 3:

Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 32.866 ms

Loss rate: 1.88%

Run 10: Report of Vivace-loss — Data Link

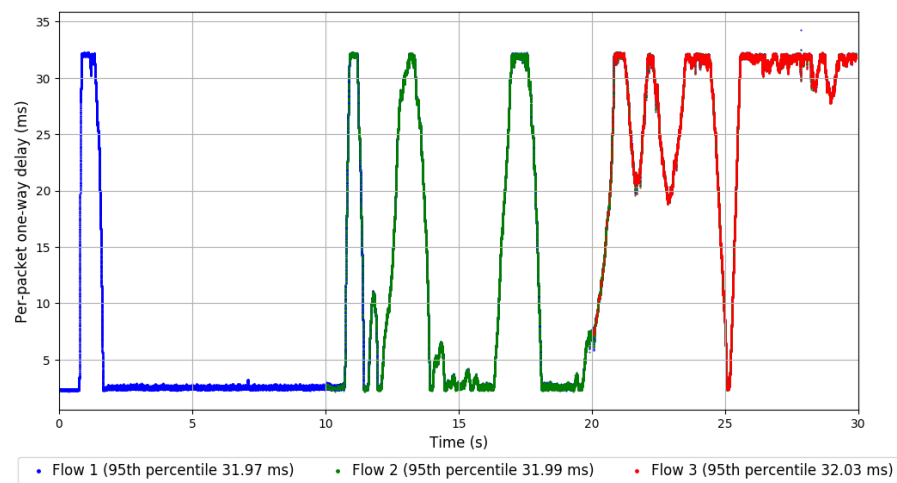
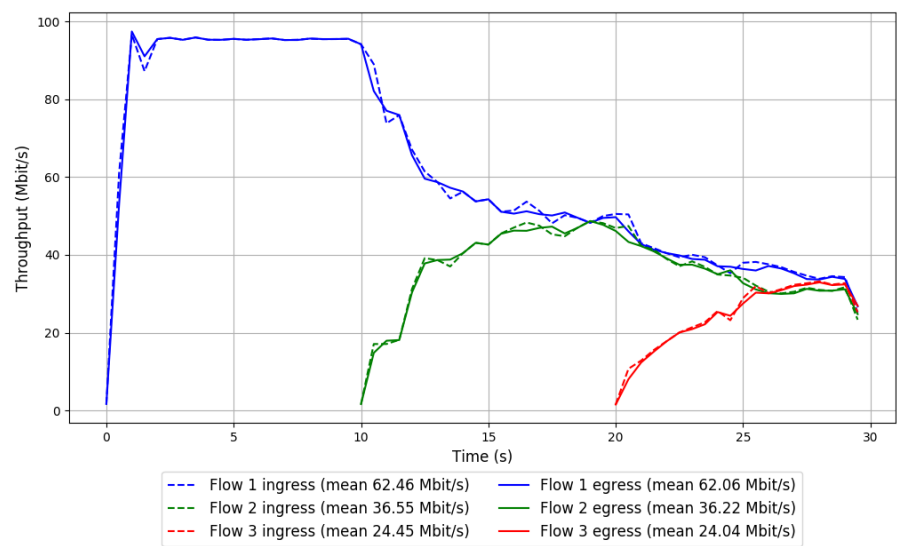


Run 1: Statistics of Vivace-LTE

Start at: 2018-03-21 03:15:26
End at: 2018-03-21 03:15:56
Local clock offset: -2.758 ms
Remote clock offset: -6.484 ms

Below is generated by plot.py at 2018-03-21 07:30:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 31.986 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 62.06 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 36.22 Mbit/s
95th percentile per-packet one-way delay: 31.993 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 24.04 Mbit/s
95th percentile per-packet one-way delay: 32.030 ms
Loss rate: 1.44%

Run 1: Report of Vivace-LTE — Data Link

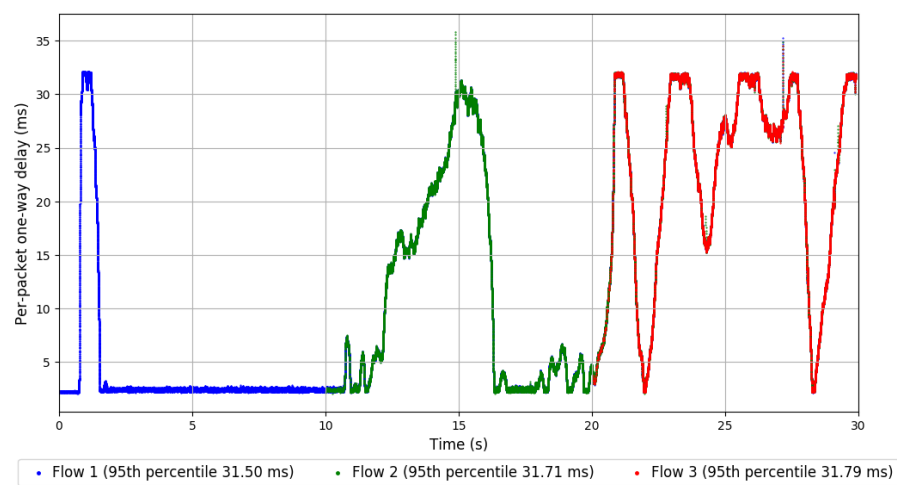
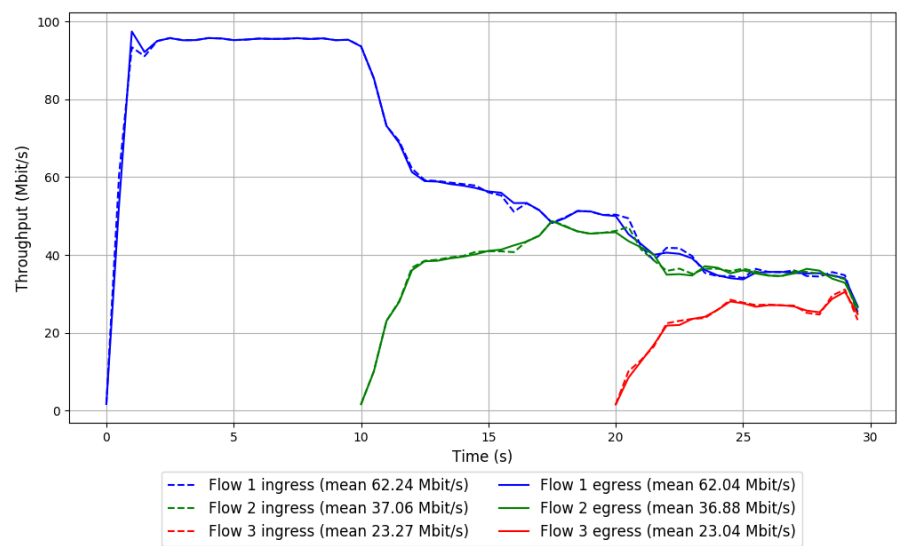


Run 2: Statistics of Vivace-LTE

Start at: 2018-03-21 03:35:58
End at: 2018-03-21 03:36:28
Local clock offset: -3.918 ms
Remote clock offset: -1.603 ms

Below is generated by plot.py at 2018-03-21 07:30:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 31.668 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 31.500 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 31.707 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 23.04 Mbit/s
95th percentile per-packet one-way delay: 31.794 ms
Loss rate: 0.67%

Run 2: Report of Vivace-LTE — Data Link

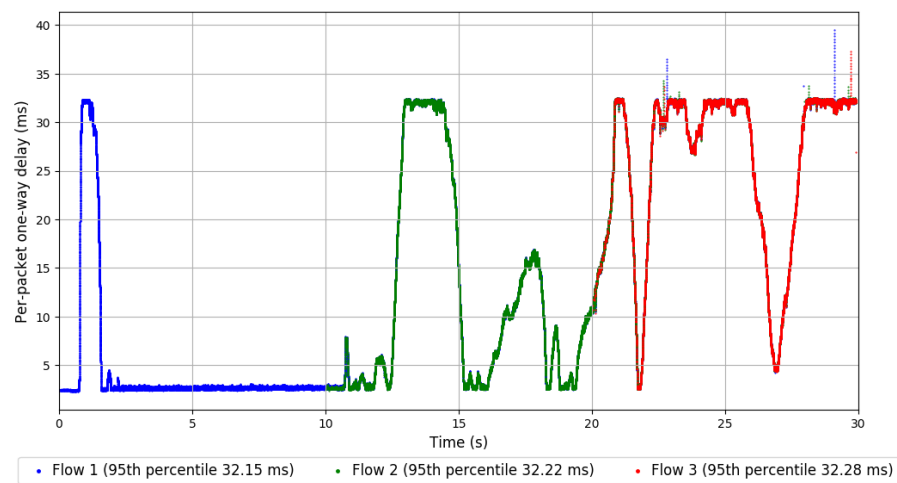
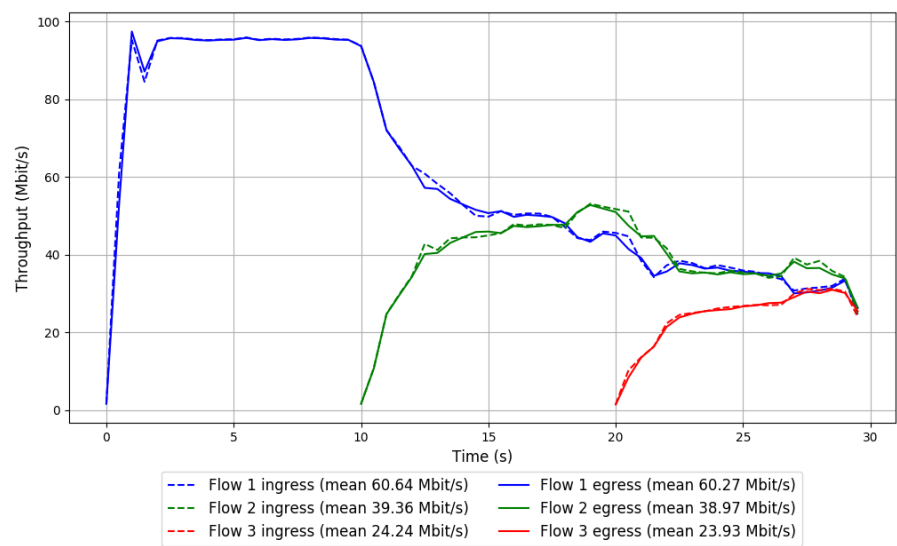


Run 3: Statistics of Vivace-LTE

Start at: 2018-03-21 03:56:30
End at: 2018-03-21 03:57:00
Local clock offset: -3.932 ms
Remote clock offset: -3.429 ms

```
# Below is generated by plot.py at 2018-03-21 07:30:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.09 Mbit/s
95th percentile per-packet one-way delay: 32.197 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 60.27 Mbit/s
95th percentile per-packet one-way delay: 32.151 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 38.97 Mbit/s
95th percentile per-packet one-way delay: 32.224 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 32.283 ms
Loss rate: 1.13%
```

Run 3: Report of Vivace-LTE — Data Link

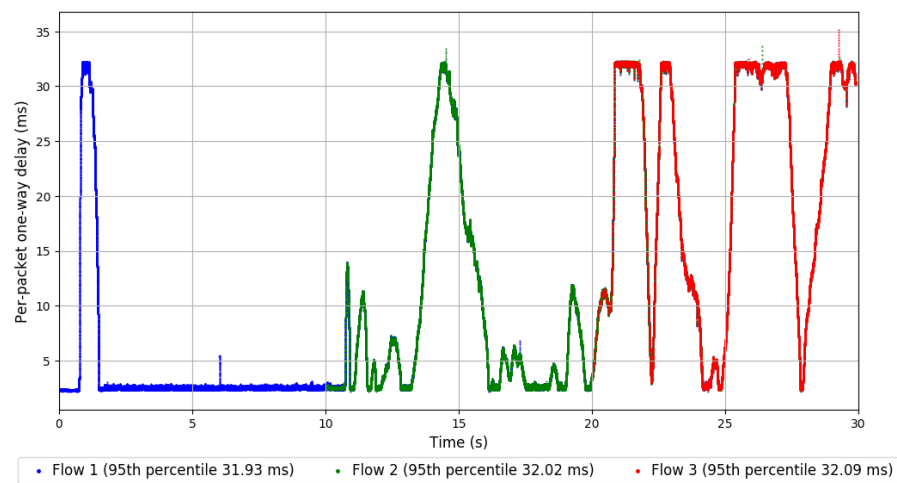
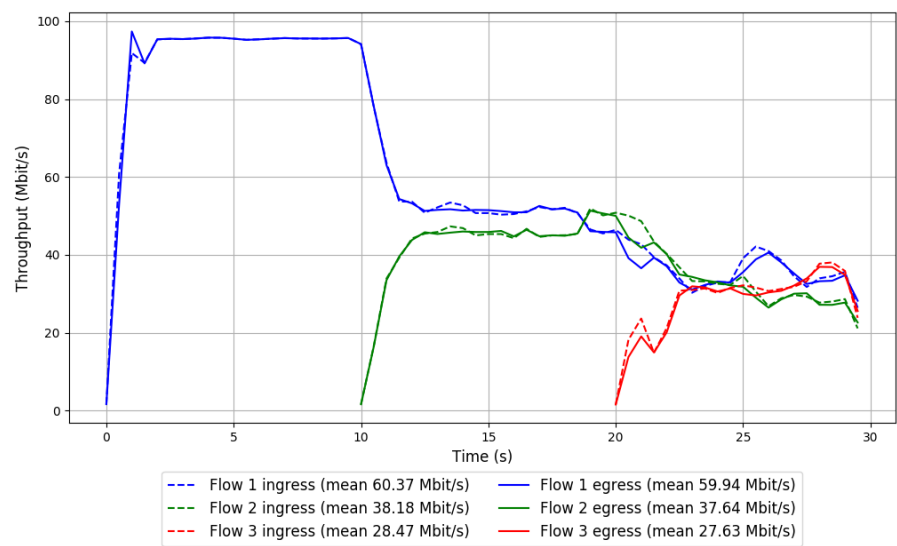


Run 4: Statistics of Vivace-LTE

Start at: 2018-03-21 04:17:04
End at: 2018-03-21 04:17:34
Local clock offset: -3.544 ms
Remote clock offset: -6.503 ms

```
# Below is generated by plot.py at 2018-03-21 07:30:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 31.996 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 31.928 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 32.022 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 32.089 ms
Loss rate: 2.69%
```

Run 4: Report of Vivace-LTE — Data Link

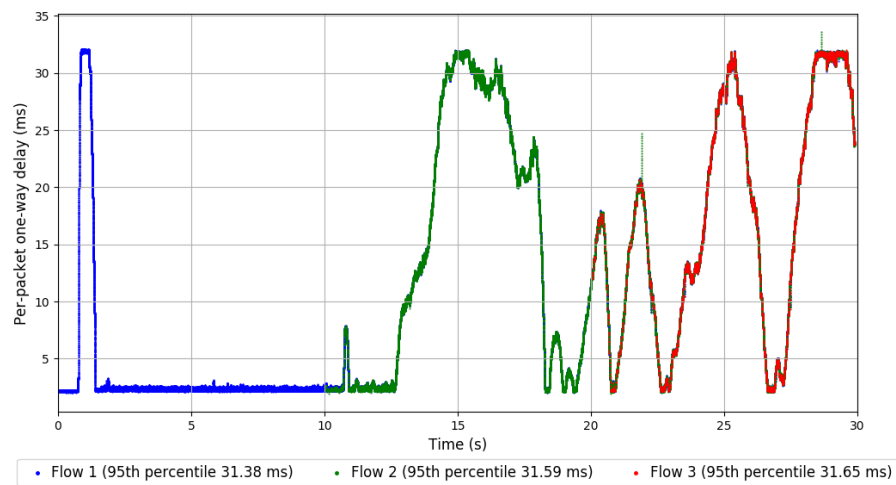
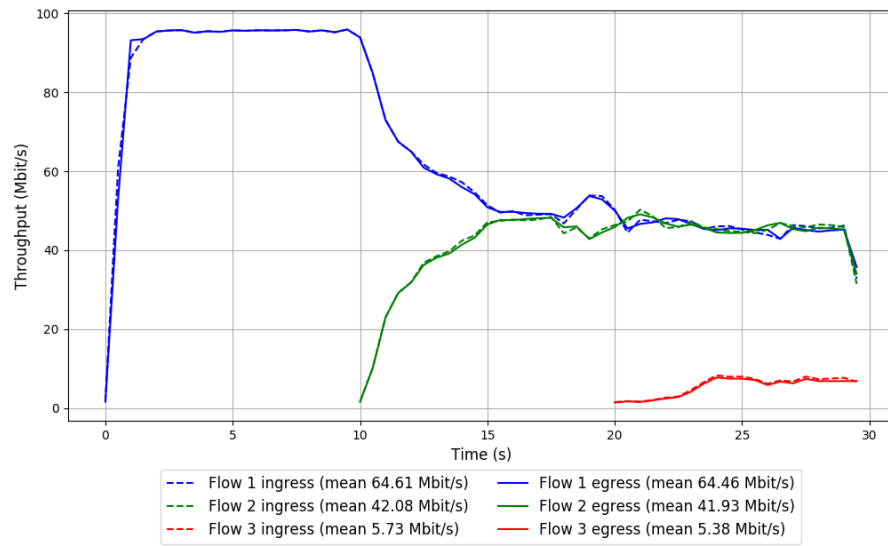


Run 5: Statistics of Vivace-LTE

Start at: 2018-03-21 04:37:36
End at: 2018-03-21 04:38:06
Local clock offset: -4.331 ms
Remote clock offset: -3.085 ms

Below is generated by plot.py at 2018-03-21 07:30:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.13 Mbit/s
95th percentile per-packet one-way delay: 31.517 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 64.46 Mbit/s
95th percentile per-packet one-way delay: 31.379 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 31.590 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 5.38 Mbit/s
95th percentile per-packet one-way delay: 31.647 ms
Loss rate: 6.02%

Run 5: Report of Vivace-LTE — Data Link

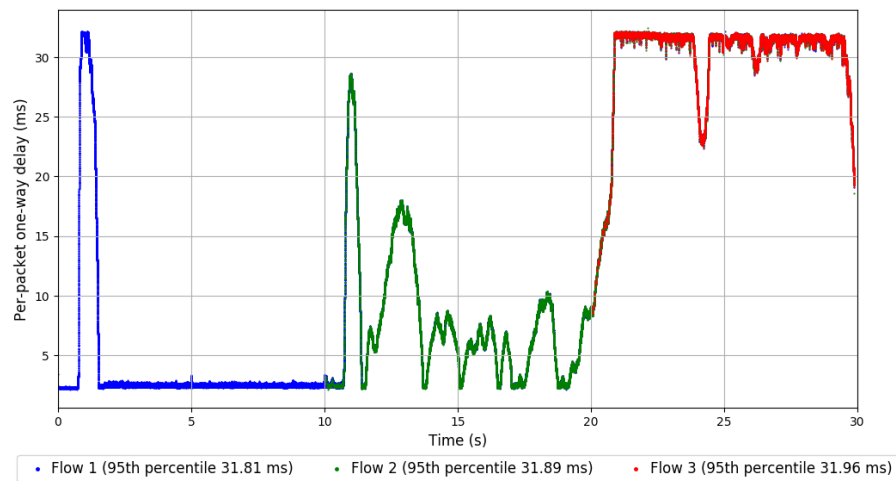
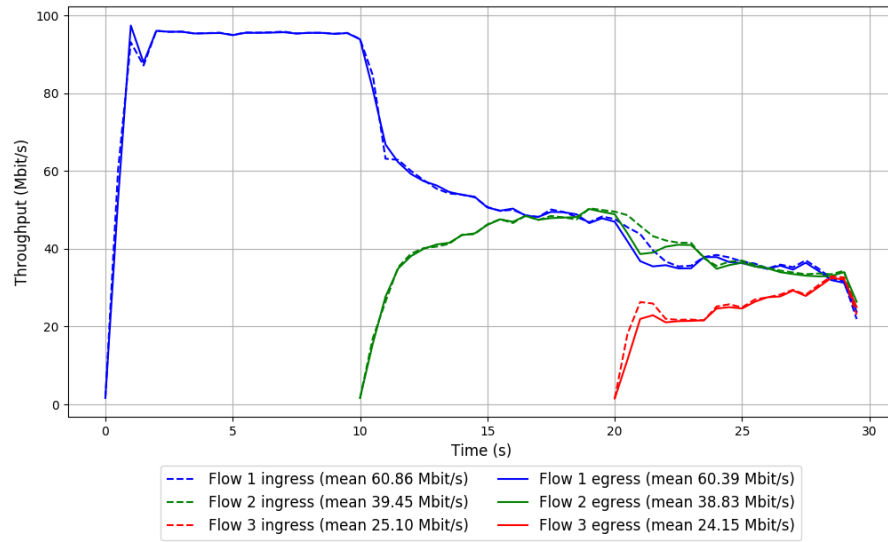


Run 6: Statistics of Vivace-LTE

Start at: 2018-03-21 04:58:07
End at: 2018-03-21 04:58:37
Local clock offset: -4.976 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-03-21 07:30:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 31.869 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 60.39 Mbit/s
95th percentile per-packet one-way delay: 31.807 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 1.50%
-- Flow 3:
Average throughput: 24.15 Mbit/s
95th percentile per-packet one-way delay: 31.961 ms
Loss rate: 3.68%

Run 6: Report of Vivace-LTE — Data Link

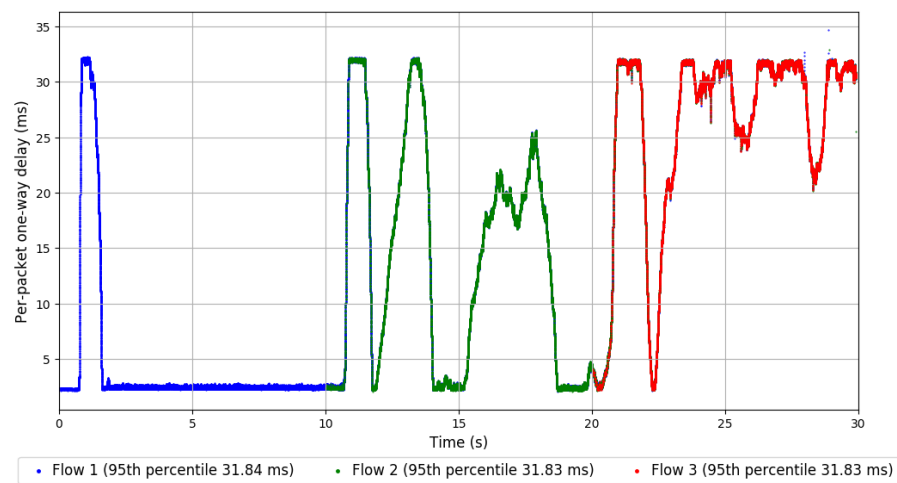
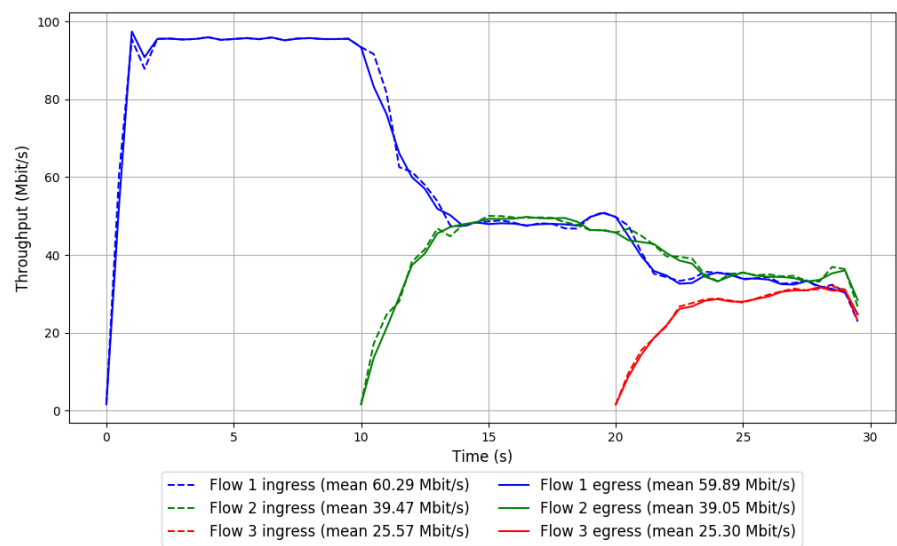


Run 7: Statistics of Vivace-LTE

Start at: 2018-03-21 05:18:38
End at: 2018-03-21 05:19:08
Local clock offset: -4.882 ms
Remote clock offset: 12.406 ms

Below is generated by plot.py at 2018-03-21 07:31:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 31.835 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 59.89 Mbit/s
95th percentile per-packet one-way delay: 31.842 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 31.827 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 31.833 ms
Loss rate: 0.79%

Run 7: Report of Vivace-LTE — Data Link

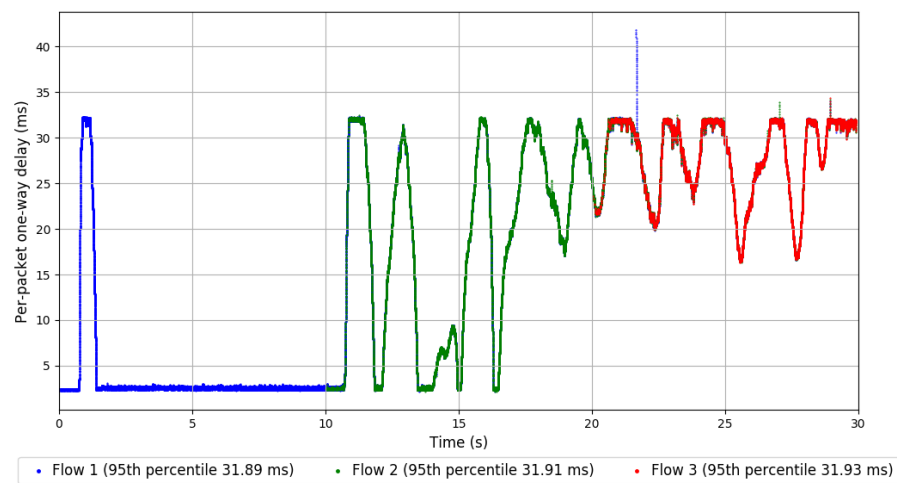
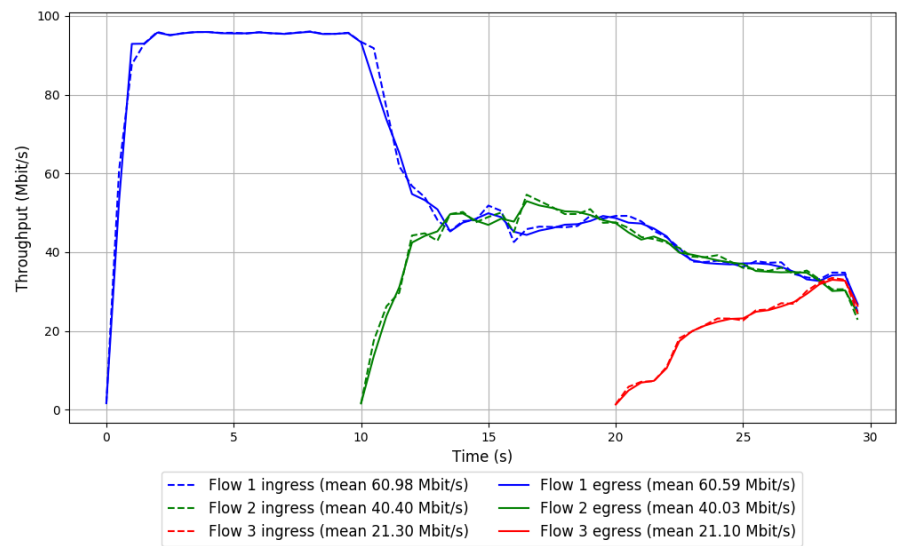


Run 8: Statistics of Vivace-LTE

Start at: 2018-03-21 05:39:09
End at: 2018-03-21 05:39:39
Local clock offset: -4.626 ms
Remote clock offset: 18.421 ms

Below is generated by plot.py at 2018-03-21 07:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 31.907 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 60.59 Mbit/s
95th percentile per-packet one-way delay: 31.895 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 31.915 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 31.929 ms
Loss rate: 0.85%

Run 8: Report of Vivace-LTE — Data Link

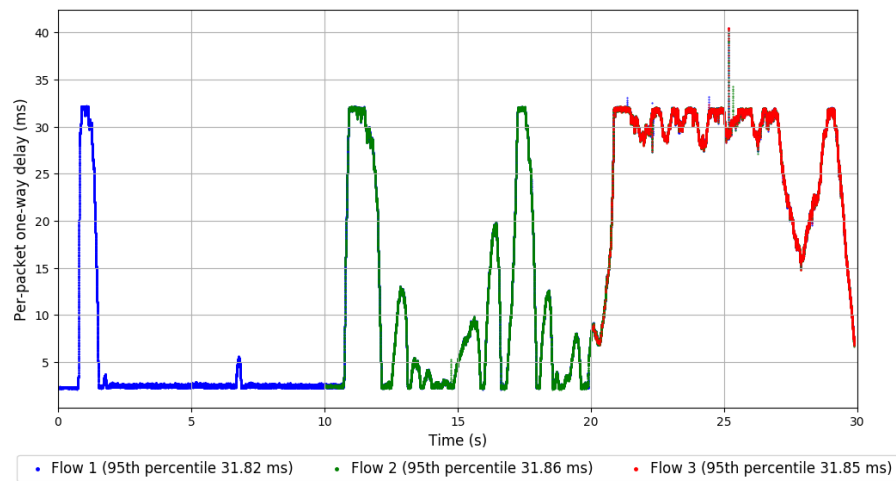
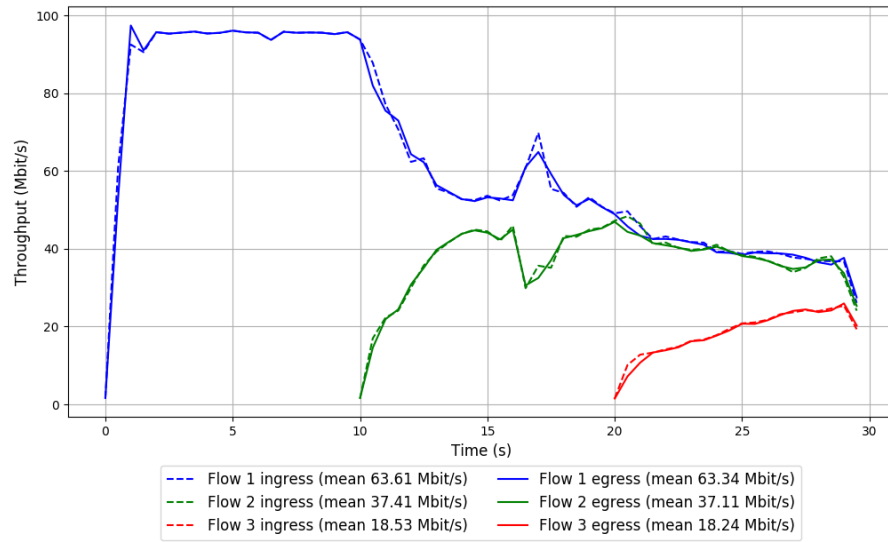


Run 9: Statistics of Vivace-LTE

Start at: 2018-03-21 05:59:42
End at: 2018-03-21 06:00:12
Local clock offset: -3.603 ms
Remote clock offset: 23.677 ms

Below is generated by plot.py at 2018-03-21 07:31:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 31.842 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 63.34 Mbit/s
95th percentile per-packet one-way delay: 31.824 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 37.11 Mbit/s
95th percentile per-packet one-way delay: 31.862 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 31.854 ms
Loss rate: 1.56%

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-03-21 06:20:15
End at: 2018-03-21 06:20:45
Local clock offset: -5.067 ms
Remote clock offset: -0.424 ms

Below is generated by plot.py at 2018-03-21 07:31:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 94.10 Mbit/s
95th percentile per-packet one-way delay: 32.434 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 61.94 Mbit/s
95th percentile per-packet one-way delay: 32.371 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 35.64 Mbit/s
95th percentile per-packet one-way delay: 32.466 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 25.61 Mbit/s
95th percentile per-packet one-way delay: 32.538 ms
Loss rate: 0.64%

Run 10: Report of Vivace-LTE — Data Link

