

Pantheon Report

Generated at 2018-08-10 04:59:33 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

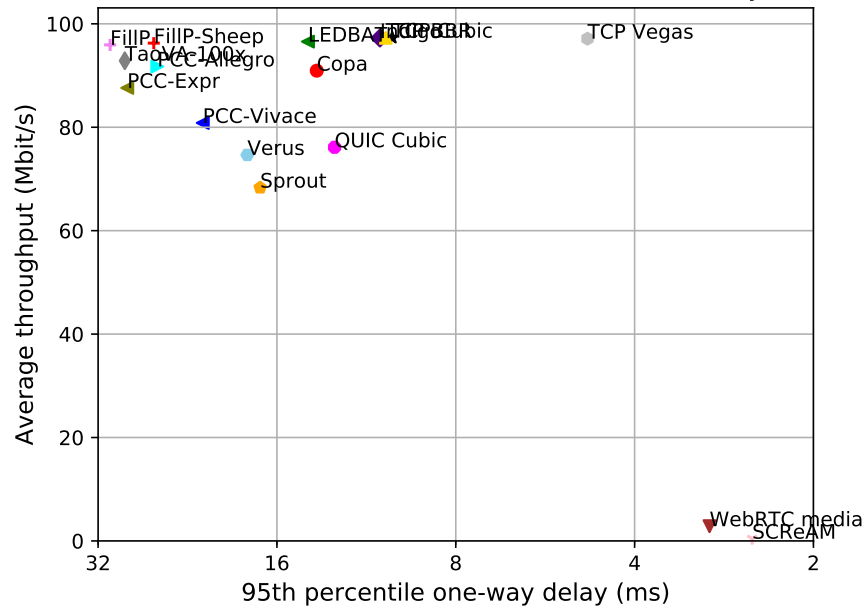
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

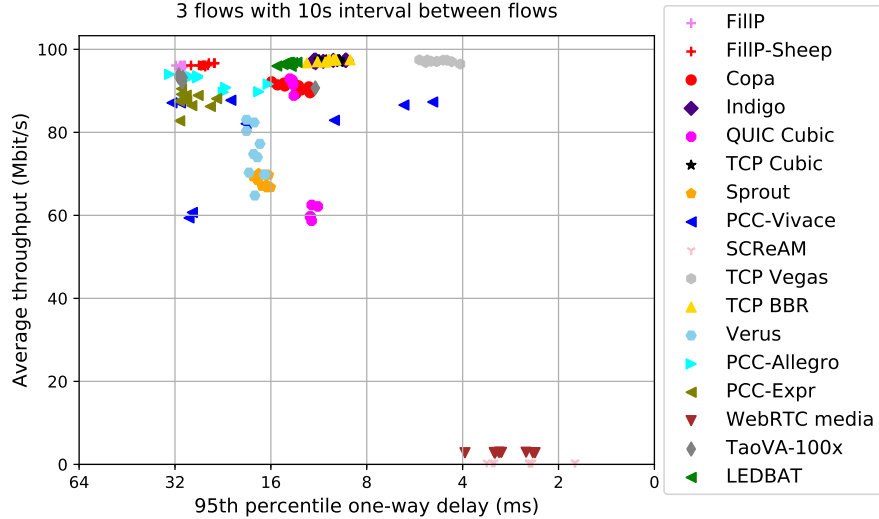
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



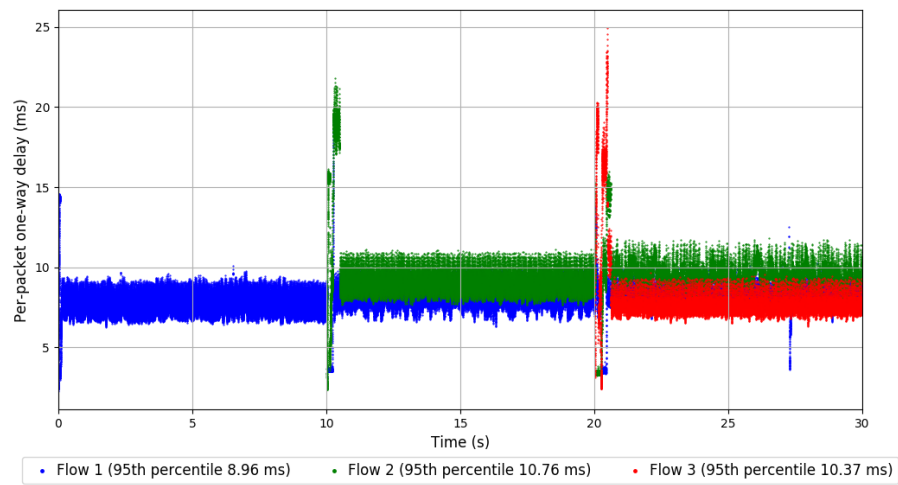
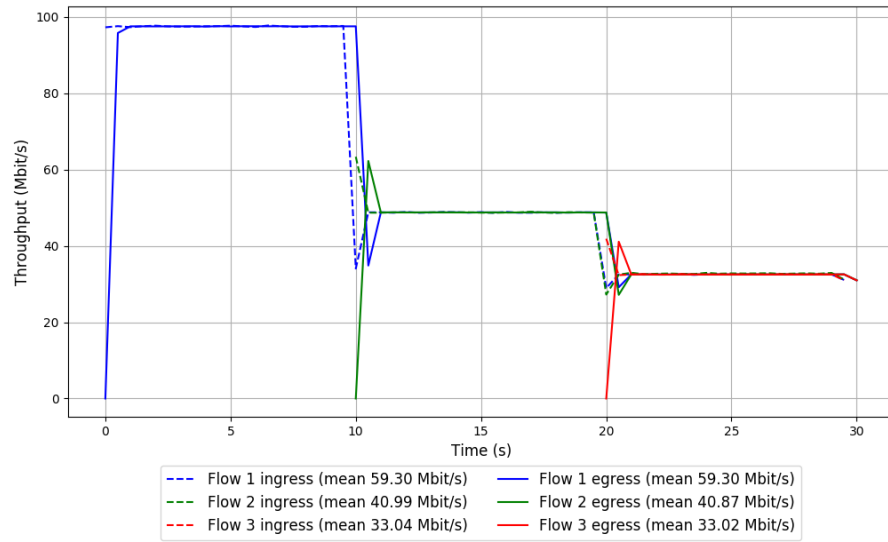
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	59.16	40.84	32.95	9.95	10.93	11.10	0.35	0.52	0.51
Copa	10	54.26	39.62	30.98	13.04	13.86	15.39	0.03	0.07	0.15
TCP Cubic	10	59.52	40.58	32.44	10.13	10.20	10.43	0.08	0.15	0.25
FillP	10	59.48	39.14	31.35	29.65	30.68	31.47	1.36	3.24	3.54
FillP-Sheep	10	59.04	40.04	31.90	24.47	27.27	25.43	1.18	1.53	1.10
Indigo	10	59.58	40.62	32.41	9.77	11.24	9.30	0.06	1.20	0.24
LEDBAT	10	58.84	40.48	32.40	13.87	14.58	13.76	0.12	0.22	0.38
PCC-Allegro	10	70.37	19.82	24.93	25.84	11.93	10.43	1.09	0.49	0.17
PCC-Expr	10	53.36	37.02	29.19	26.33	26.02	26.32	0.20	0.38	0.48
QUIC Cubic	10	28.04	53.64	39.38	8.04	12.92	12.88	0.09	0.23	0.41
SCReAM	10	0.22	0.22	0.22	2.53	2.53	2.54	0.00	0.00	0.21
Sprout	10	35.86	33.65	30.59	15.00	17.25	19.81	0.04	0.07	0.16
TaoVA-100x	10	56.62	38.07	32.76	28.43	28.56	30.13	0.30	0.67	1.59
TCP Vegas	10	52.91	47.38	38.12	4.06	4.72	5.11	0.01	0.02	0.05
Verus	10	40.61	36.03	30.26	15.50	19.11	23.58	0.05	0.07	0.07
PCC-Vivace	10	51.29	31.91	25.23	14.86	21.48	18.02	0.17	0.30	0.42
WebRTC media	10	1.53	0.90	0.43	2.92	2.96	3.25	0.01	0.00	0.05

Run 1: Statistics of TCP BBR

Start at: 2018-08-10 01:20:08
End at: 2018-08-10 01:20:38
Local clock offset: -3.598 ms
Remote clock offset: -2.747 ms

Below is generated by plot.py at 2018-08-10 04:36:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.045 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 8.959 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 10.755 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 10.372 ms
Loss rate: 0.10%

Run 1: Report of TCP BBR — Data Link

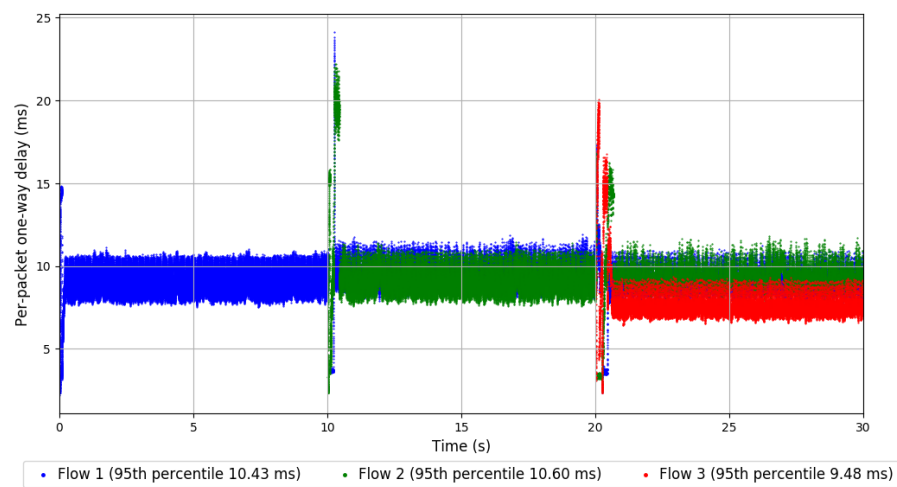
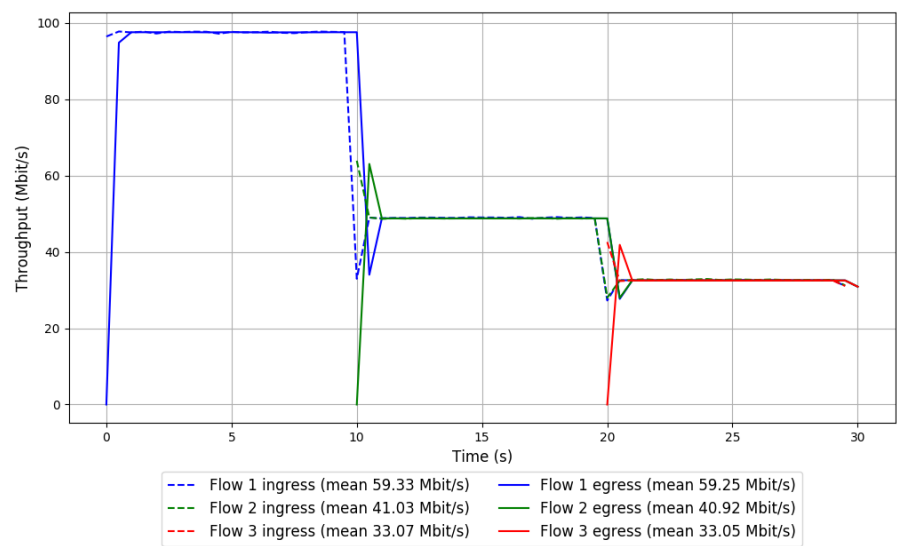


Run 2: Statistics of TCP BBR

Start at: 2018-08-10 01:39:18
End at: 2018-08-10 01:39:48
Local clock offset: -3.74 ms
Remote clock offset: -1.935 ms

Below is generated by plot.py at 2018-08-10 04:36:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.466 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 10.425 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 10.601 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 0.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-08-10 01:58:29

End at: 2018-08-10 01:58:59

Local clock offset: -2.781 ms

Remote clock offset: -2.18 ms

Below is generated by plot.py at 2018-08-10 04:36:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.49 Mbit/s

95th percentile per-packet one-way delay: 10.065 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 8.848 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 40.88 Mbit/s

95th percentile per-packet one-way delay: 10.719 ms

Loss rate: 0.30%

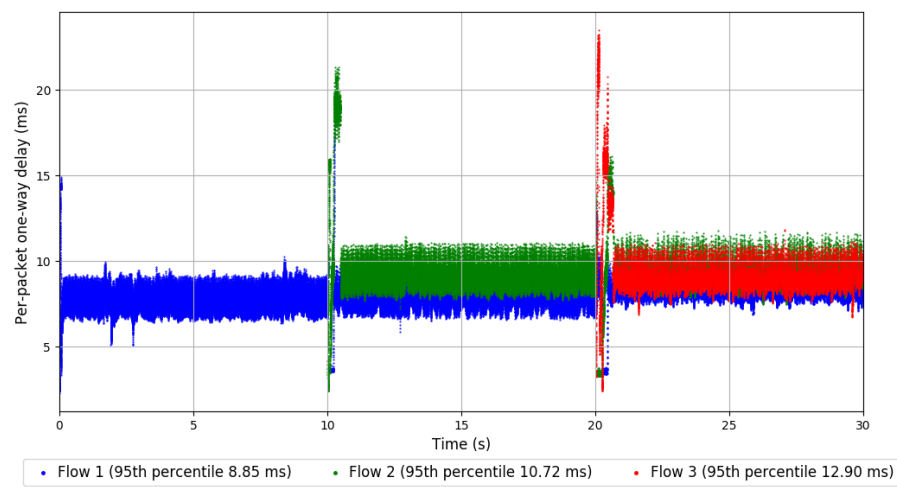
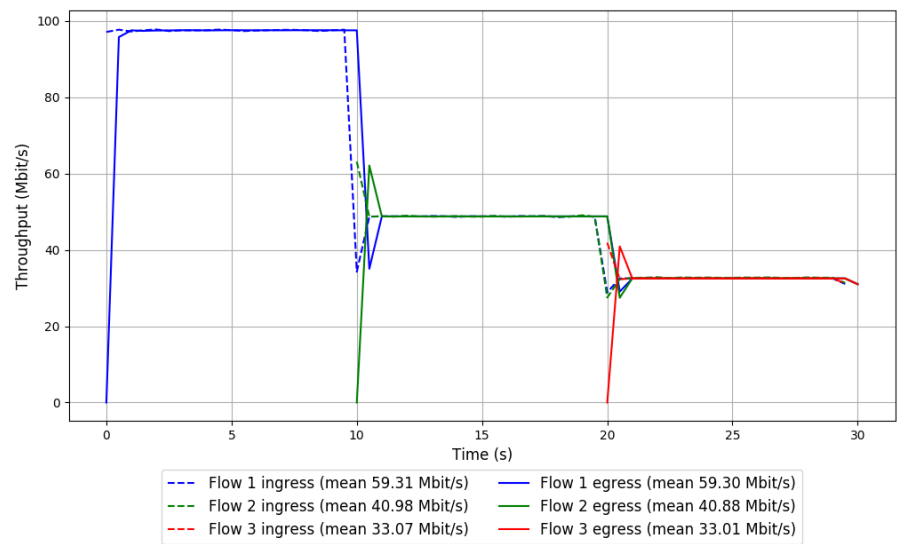
-- Flow 3:

Average throughput: 33.01 Mbit/s

95th percentile per-packet one-way delay: 12.902 ms

Loss rate: 0.22%

Run 3: Report of TCP BBR — Data Link

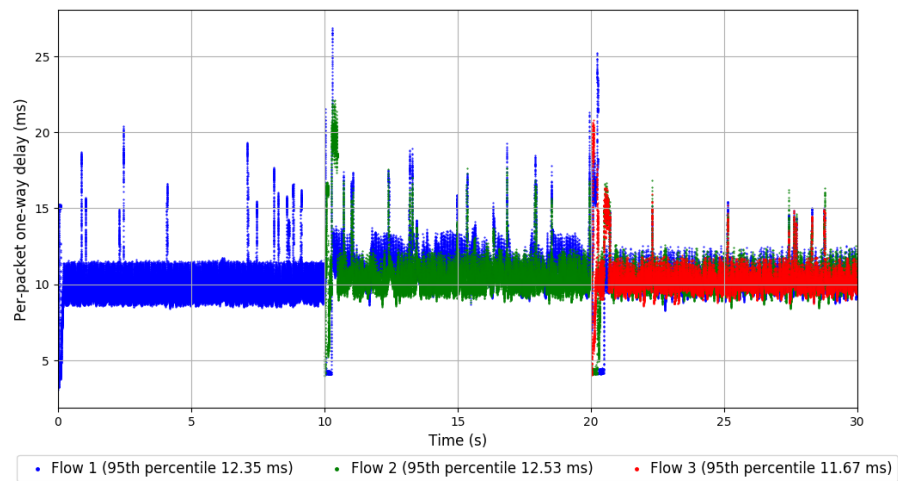
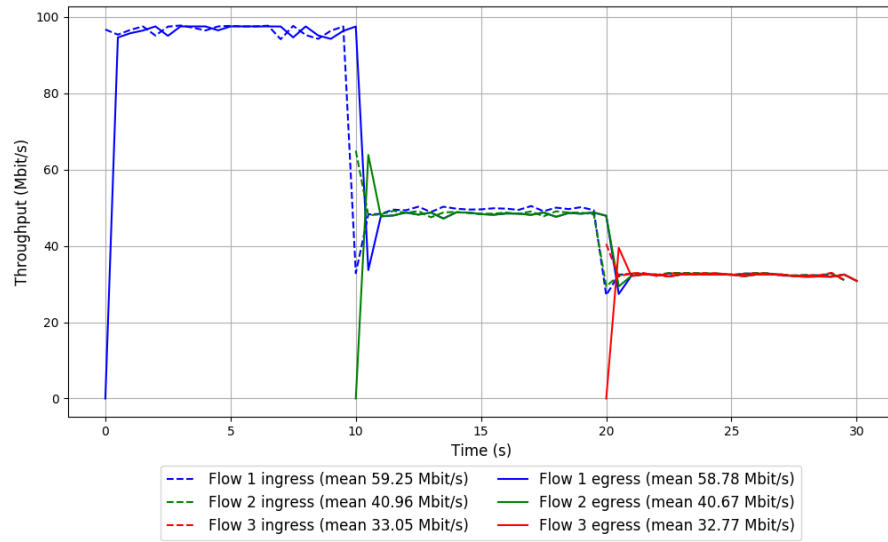


Run 4: Statistics of TCP BBR

Start at: 2018-08-10 02:17:38
End at: 2018-08-10 02:18:08
Local clock offset: -1.752 ms
Remote clock offset: -1.962 ms

Below is generated by plot.py at 2018-08-10 04:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.75 Mbit/s
95th percentile per-packet one-way delay: 12.337 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 12.350 ms
Loss rate: 0.81%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 12.531 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 11.673 ms
Loss rate: 0.90%

Run 4: Report of TCP BBR — Data Link

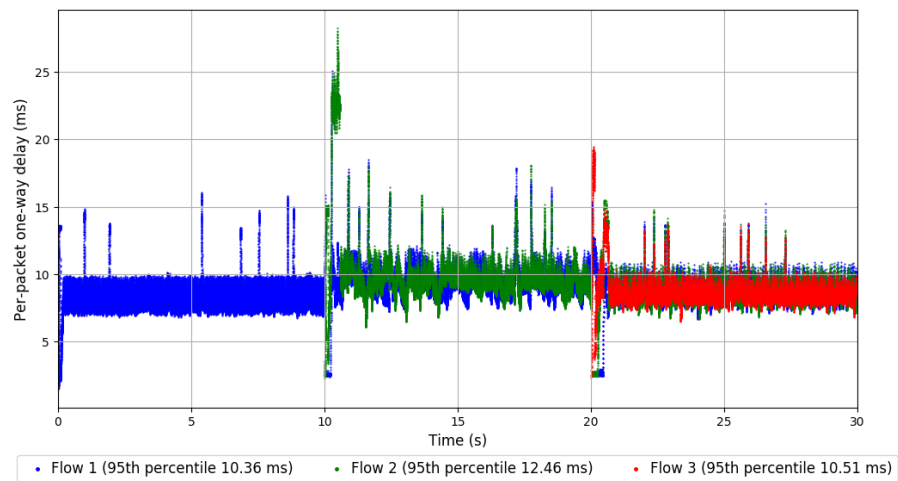
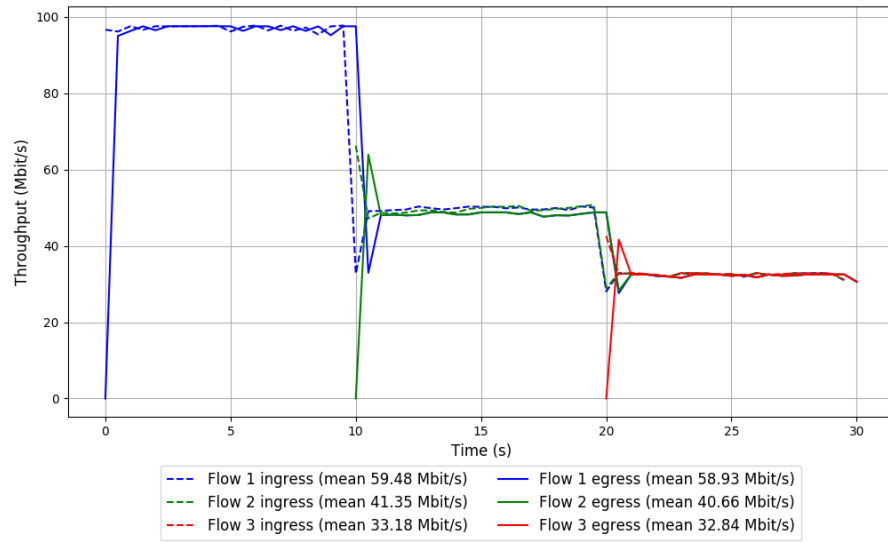


Run 5: Statistics of TCP BBR

Start at: 2018-08-10 02:36:48
End at: 2018-08-10 02:37:18
Local clock offset: -4.311 ms
Remote clock offset: -0.484 ms

Below is generated by plot.py at 2018-08-10 04:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.93 Mbit/s
95th percentile per-packet one-way delay: 10.796 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 10.359 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 12.457 ms
Loss rate: 1.70%
-- Flow 3:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 10.509 ms
Loss rate: 1.06%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-08-10 02:55:57

End at: 2018-08-10 02:56:27

Local clock offset: -4.294 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-10 04:36:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 11.419 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 11.472 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 40.75 Mbit/s

95th percentile per-packet one-way delay: 11.205 ms

Loss rate: 0.69%

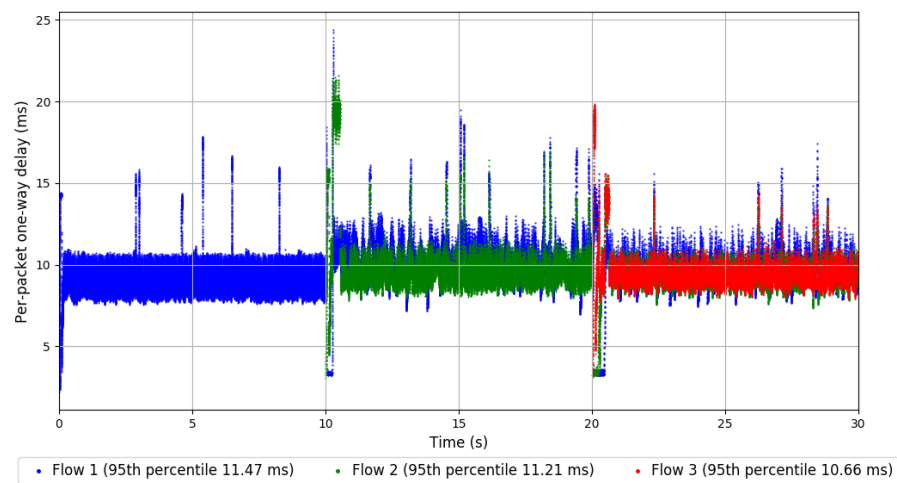
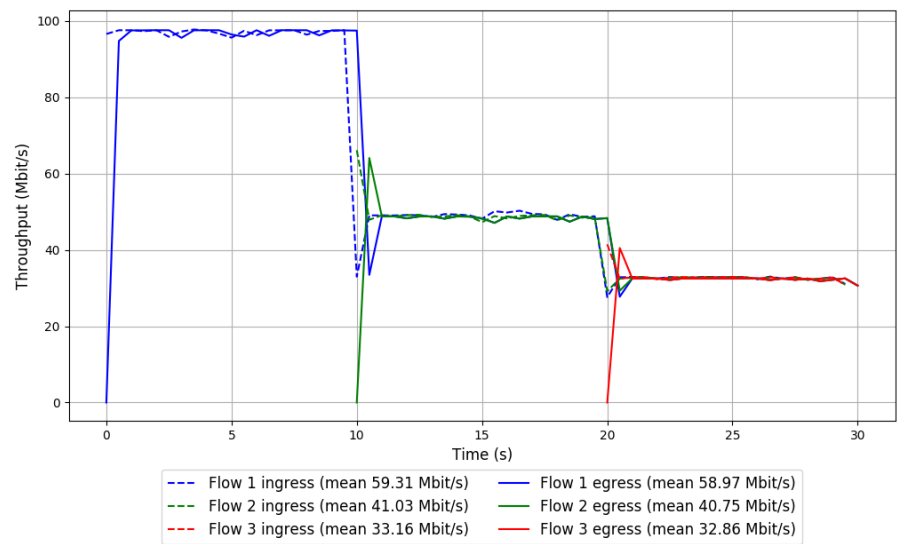
-- Flow 3:

Average throughput: 32.86 Mbit/s

95th percentile per-packet one-way delay: 10.661 ms

Loss rate: 0.95%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-10 03:15:08

End at: 2018-08-10 03:15:38

Local clock offset: -5.595 ms

Remote clock offset: 0.67 ms

Below is generated by plot.py at 2018-08-10 04:36:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 9.996 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 9.435 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 40.93 Mbit/s

95th percentile per-packet one-way delay: 10.144 ms

Loss rate: 0.57%

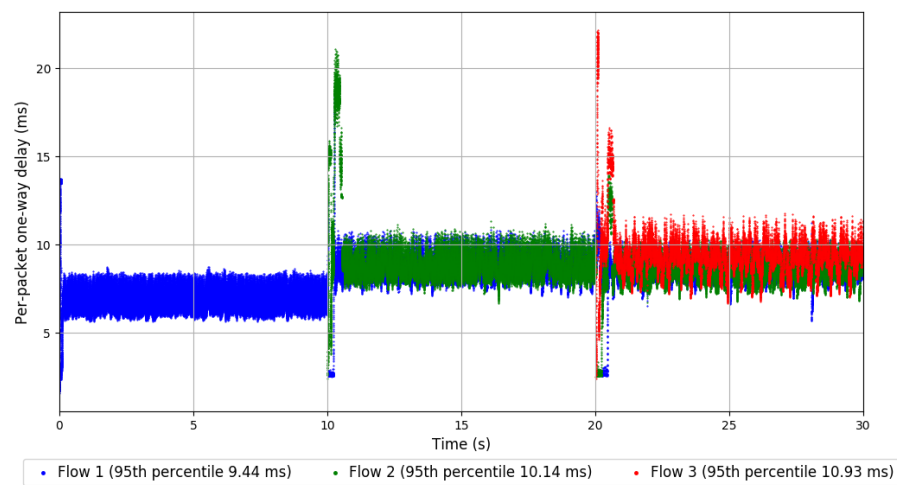
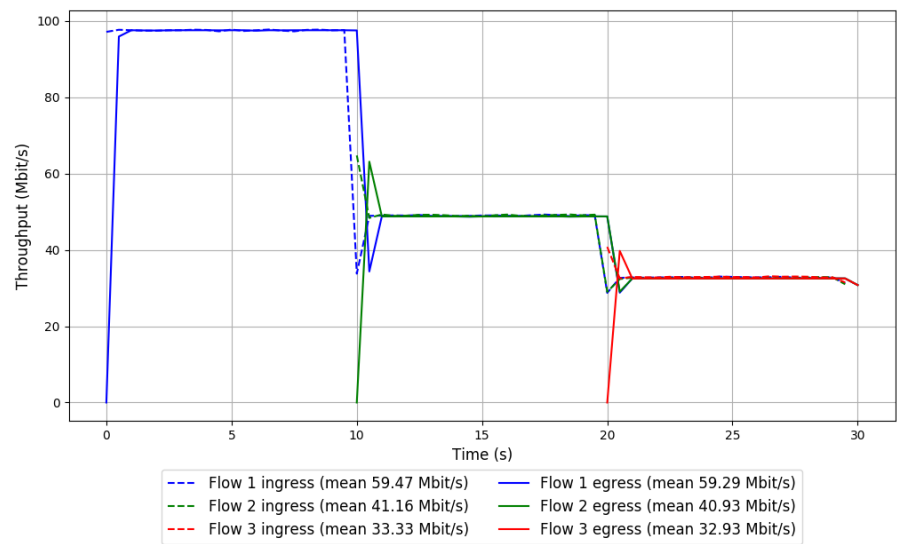
-- Flow 3:

Average throughput: 32.93 Mbit/s

95th percentile per-packet one-way delay: 10.929 ms

Loss rate: 1.25%

Run 7: Report of TCP BBR — Data Link

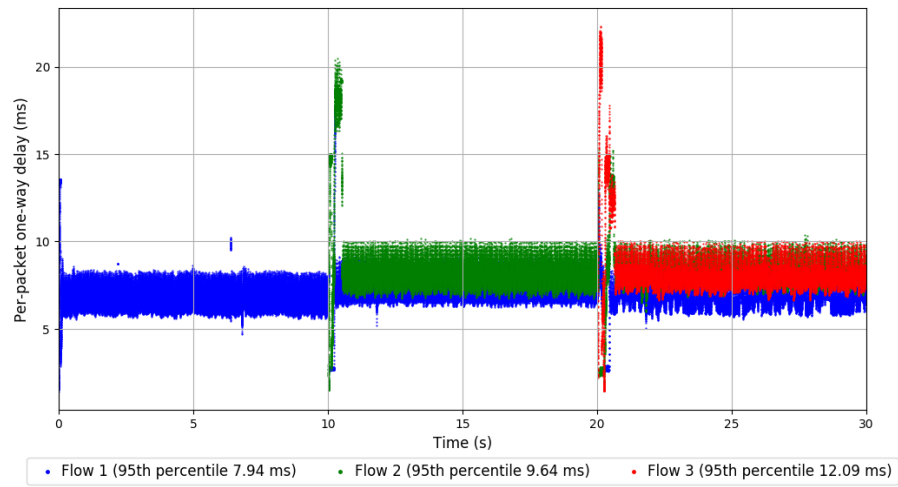
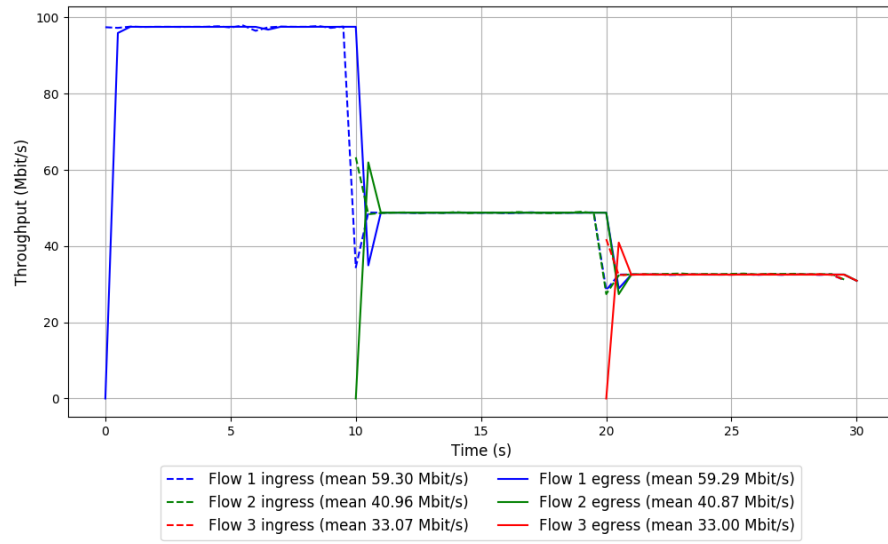


Run 8: Statistics of TCP BBR

Start at: 2018-08-10 03:34:17
End at: 2018-08-10 03:34:47
Local clock offset: -5.223 ms
Remote clock offset: -1.478 ms

Below is generated by plot.py at 2018-08-10 04:36:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.027 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 7.944 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 9.643 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 12.087 ms
Loss rate: 0.24%

Run 8: Report of TCP BBR — Data Link

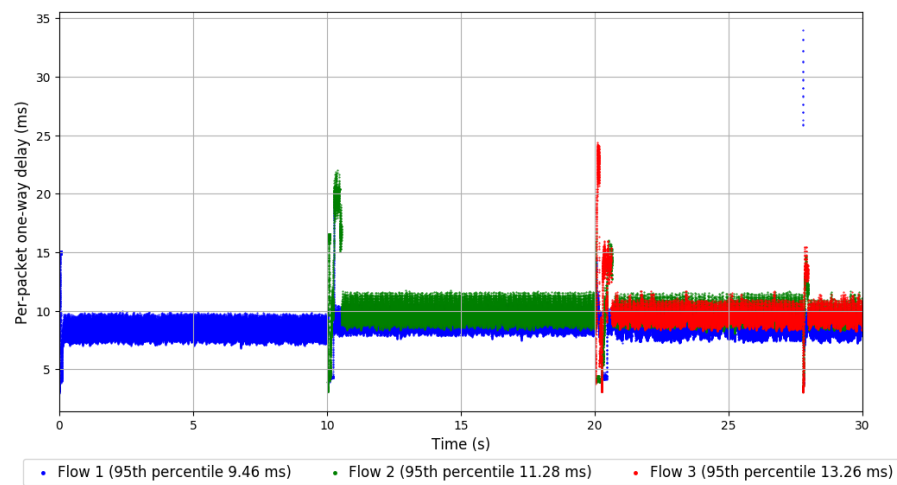
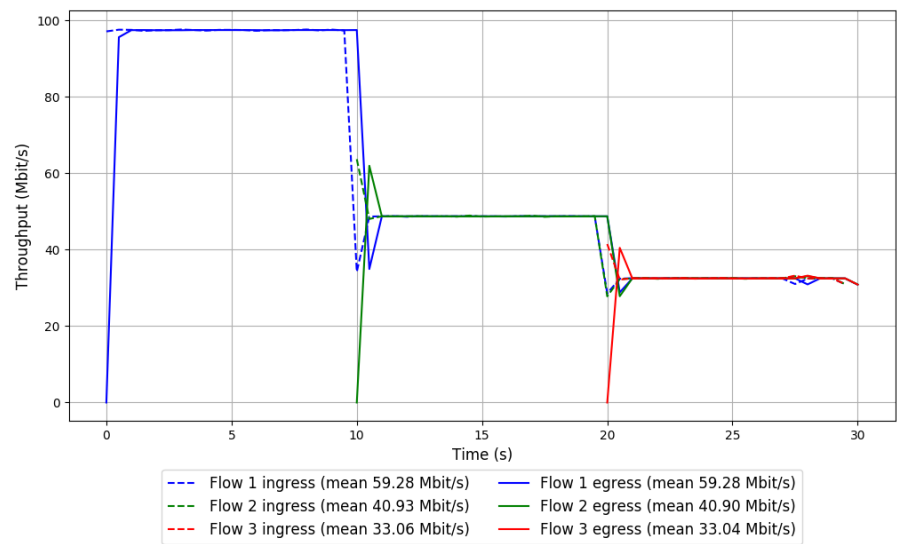


Run 9: Statistics of TCP BBR

Start at: 2018-08-10 03:53:28
End at: 2018-08-10 03:53:58
Local clock offset: -3.576 ms
Remote clock offset: -4.072 ms

Below is generated by plot.py at 2018-08-10 04:37:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.572 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 9.462 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 11.277 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 33.04 Mbit/s
95th percentile per-packet one-way delay: 13.259 ms
Loss rate: 0.14%

Run 9: Report of TCP BBR — Data Link

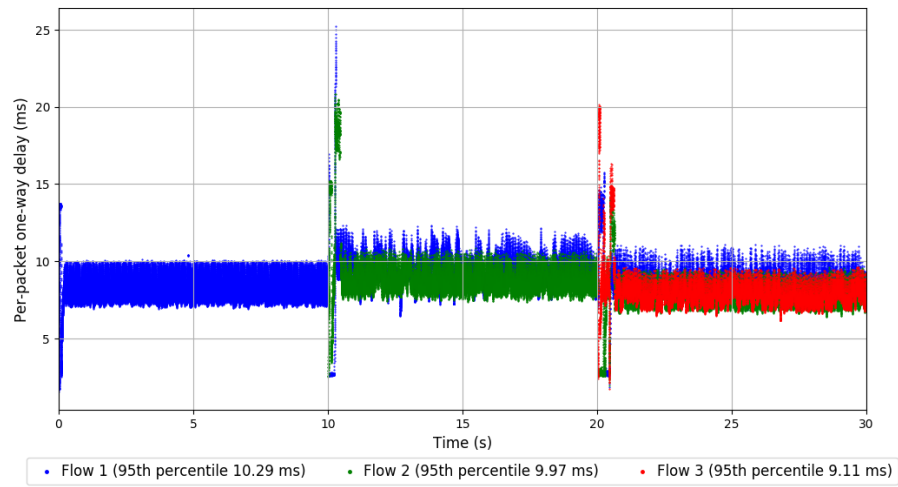
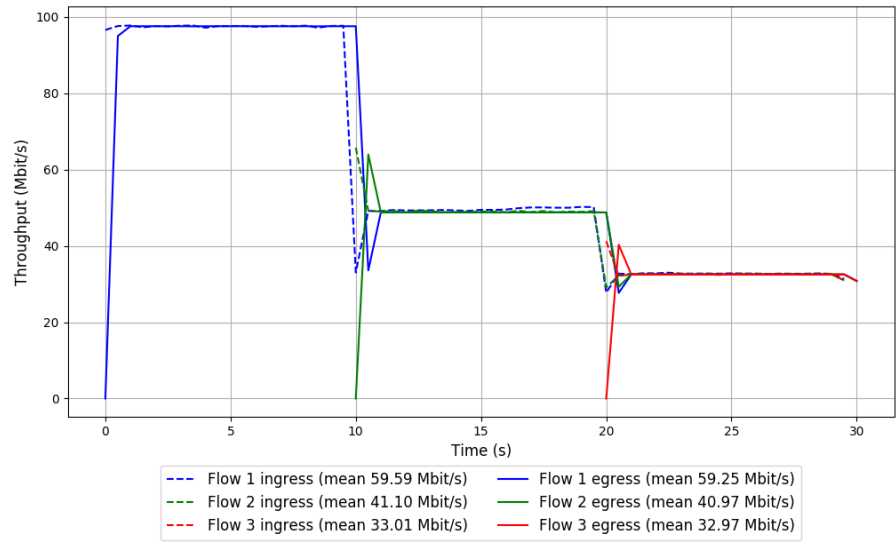


Run 10: Statistics of TCP BBR

Start at: 2018-08-10 04:12:37
End at: 2018-08-10 04:13:07
Local clock offset: -5.074 ms
Remote clock offset: -3.835 ms

Below is generated by plot.py at 2018-08-10 04:37:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 10.188 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 10.294 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 40.97 Mbit/s
95th percentile per-packet one-way delay: 9.973 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 9.114 ms
Loss rate: 0.16%

Run 10: Report of TCP BBR — Data Link

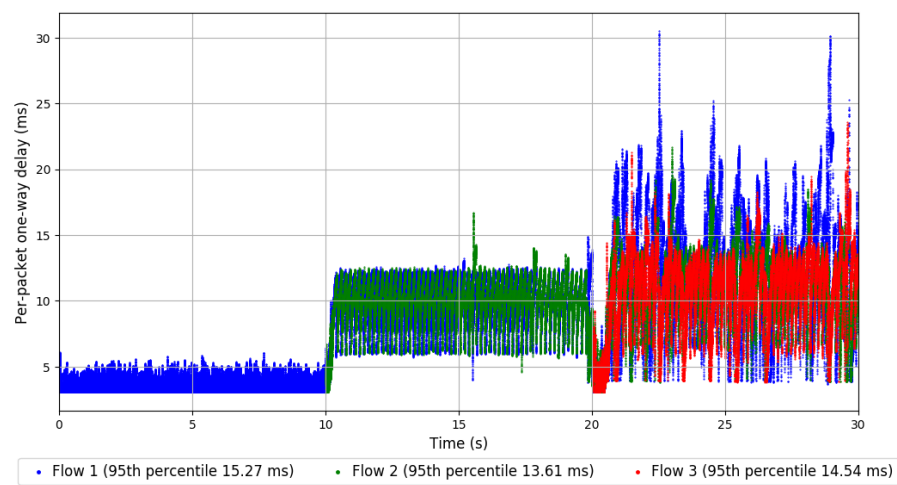
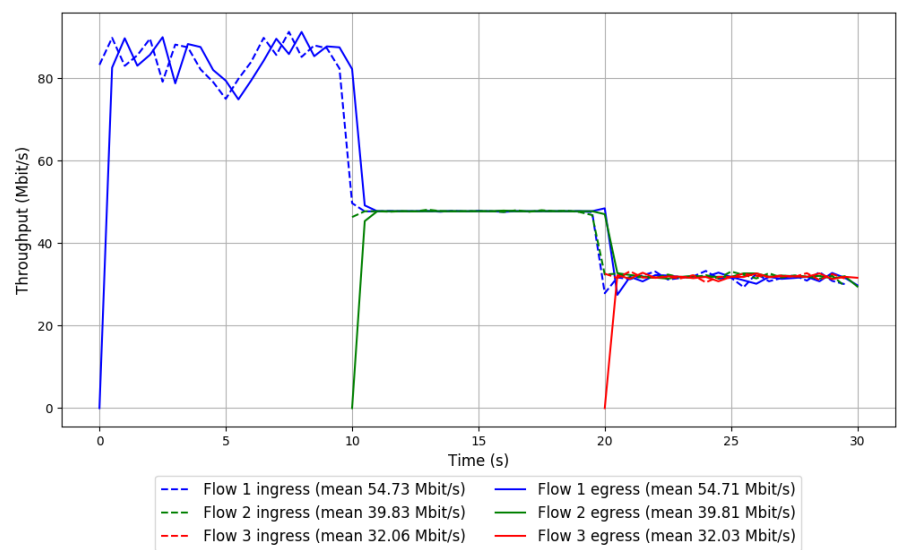


Run 1: Statistics of Copa

Start at: 2018-08-10 01:37:00
End at: 2018-08-10 01:37:30
Local clock offset: -2.95 ms
Remote clock offset: -2.009 ms

Below is generated by plot.py at 2018-08-10 04:38:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 14.543 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 15.271 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.81 Mbit/s
95th percentile per-packet one-way delay: 13.609 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 14.545 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link

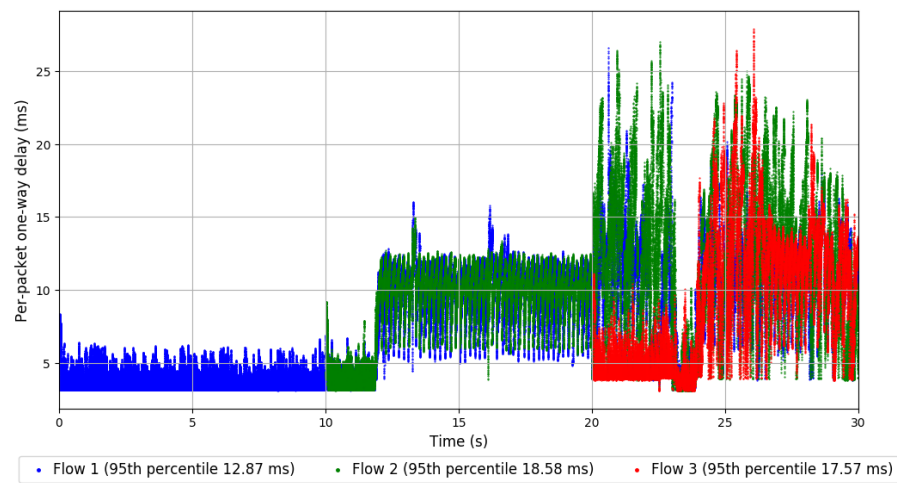
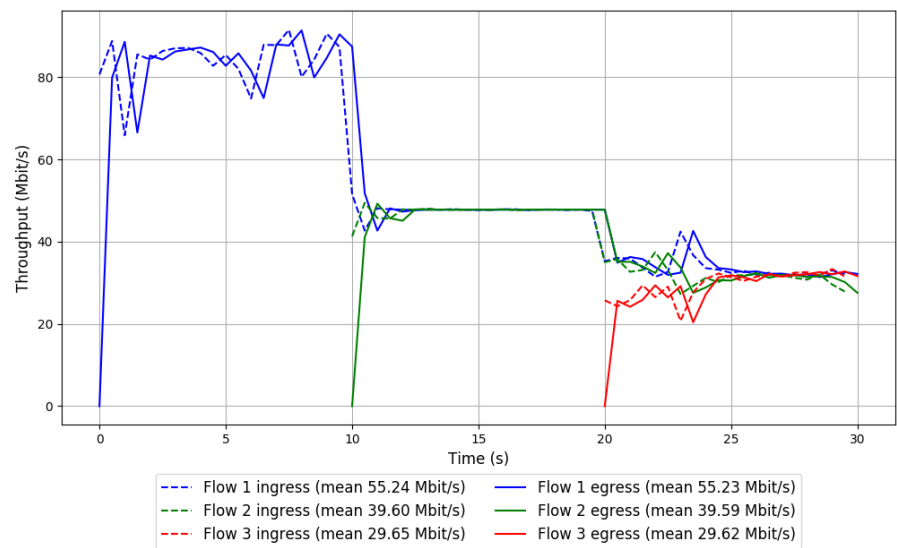


Run 2: Statistics of Copa

Start at: 2018-08-10 01:56:11
End at: 2018-08-10 01:56:41
Local clock offset: -2.111 ms
Remote clock offset: -2.164 ms

Below is generated by plot.py at 2018-08-10 04:38:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.44 Mbit/s
95th percentile per-packet one-way delay: 15.254 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 55.23 Mbit/s
95th percentile per-packet one-way delay: 12.874 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.59 Mbit/s
95th percentile per-packet one-way delay: 18.583 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 29.62 Mbit/s
95th percentile per-packet one-way delay: 17.572 ms
Loss rate: 0.17%

Run 2: Report of Copa — Data Link

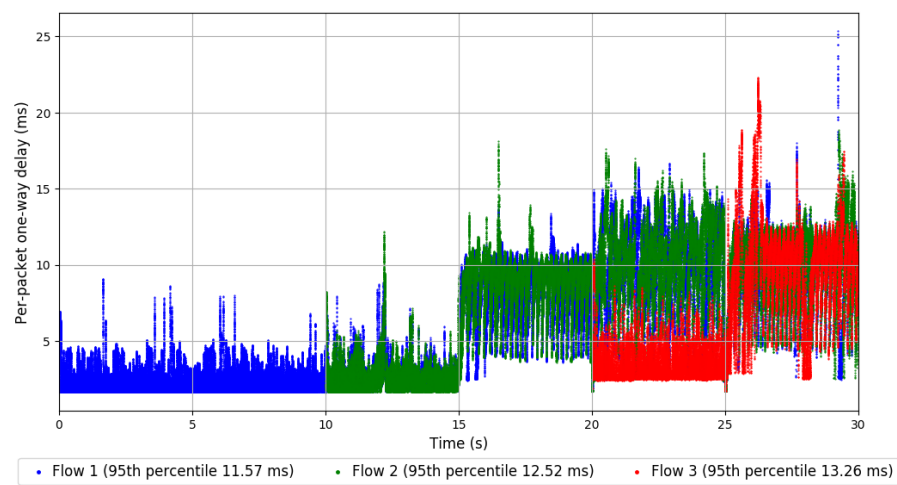
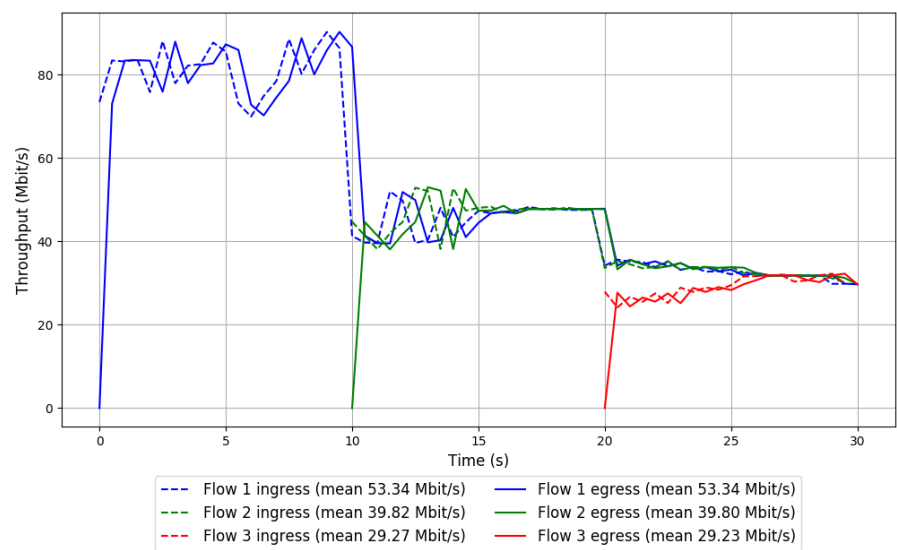


Run 3: Statistics of Copa

Start at: 2018-08-10 02:15:20
End at: 2018-08-10 02:15:50
Local clock offset: -3.077 ms
Remote clock offset: -2.021 ms

Below is generated by plot.py at 2018-08-10 04:38:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 12.054 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 11.571 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.80 Mbit/s
95th percentile per-packet one-way delay: 12.522 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 13.262 ms
Loss rate: 0.16%

Run 3: Report of Copa — Data Link

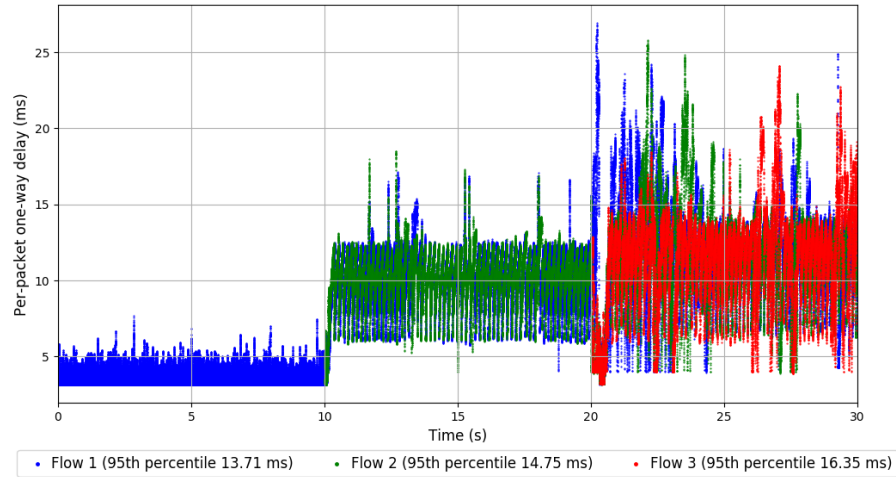
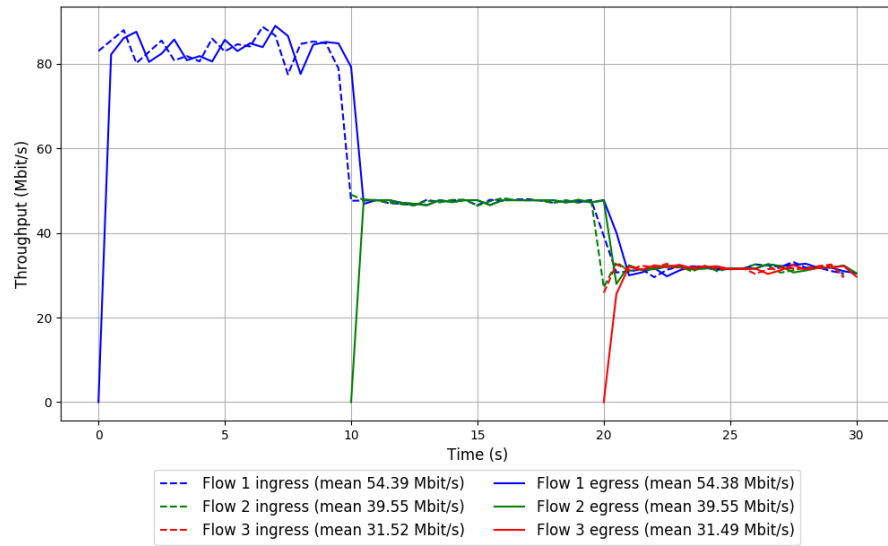


Run 4: Statistics of Copa

Start at: 2018-08-10 02:34:29
End at: 2018-08-10 02:34:59
Local clock offset: -2.657 ms
Remote clock offset: -0.578 ms

Below is generated by plot.py at 2018-08-10 04:38:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.18 Mbit/s
95th percentile per-packet one-way delay: 14.468 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 54.38 Mbit/s
95th percentile per-packet one-way delay: 13.713 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 14.751 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 16.349 ms
Loss rate: 0.16%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-10 02:53:39

End at: 2018-08-10 02:54:09

Local clock offset: -4.158 ms

Remote clock offset: 0.184 ms

Below is generated by plot.py at 2018-08-10 04:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.27 Mbit/s

95th percentile per-packet one-way delay: 13.357 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 12.124 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.95 Mbit/s

95th percentile per-packet one-way delay: 12.999 ms

Loss rate: 0.08%

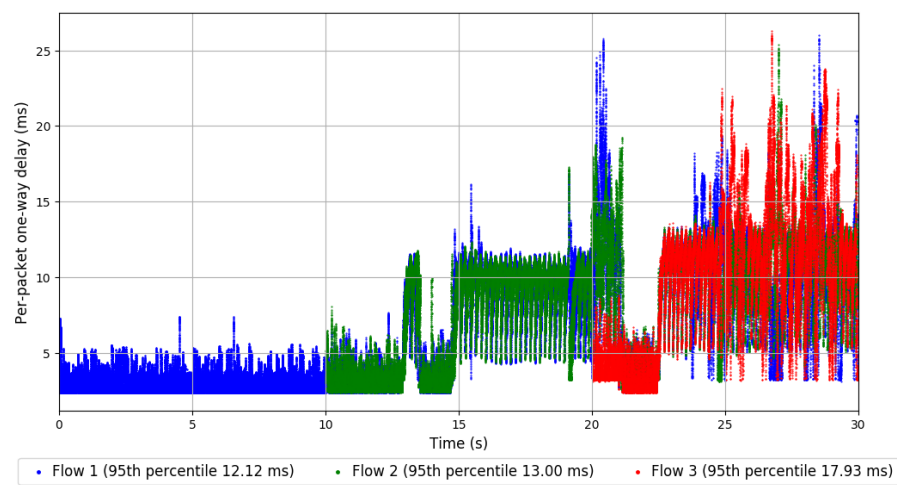
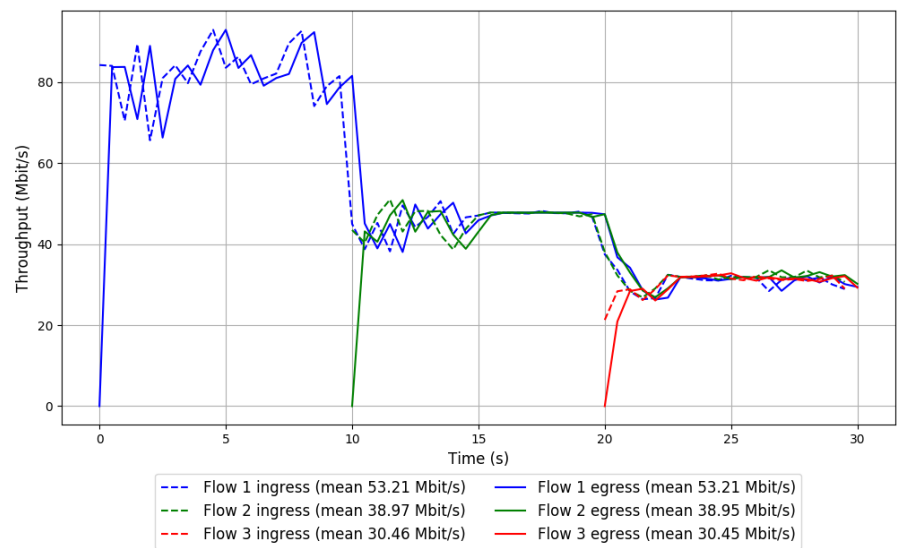
-- Flow 3:

Average throughput: 30.45 Mbit/s

95th percentile per-packet one-way delay: 17.929 ms

Loss rate: 0.10%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-10 03:12:50

End at: 2018-08-10 03:13:20

Local clock offset: -5.548 ms

Remote clock offset: 0.774 ms

Below is generated by plot.py at 2018-08-10 04:38:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 12.152 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 11.937 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.57 Mbit/s

95th percentile per-packet one-way delay: 11.620 ms

Loss rate: 0.08%

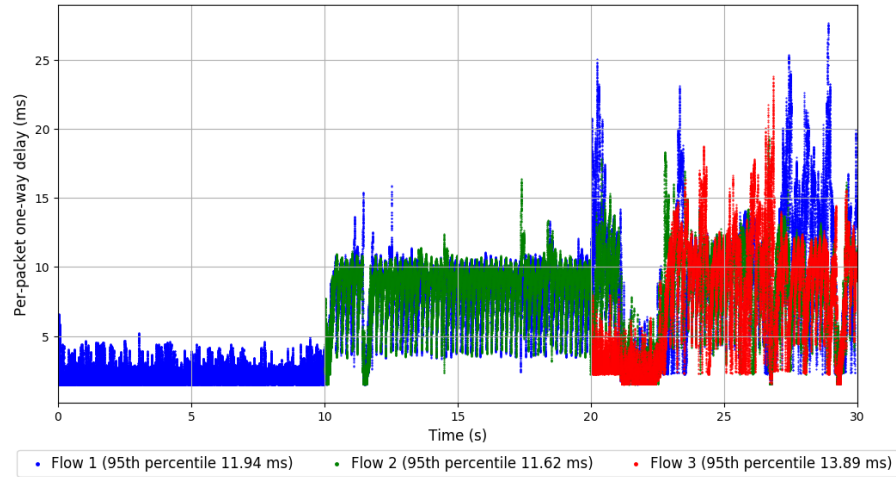
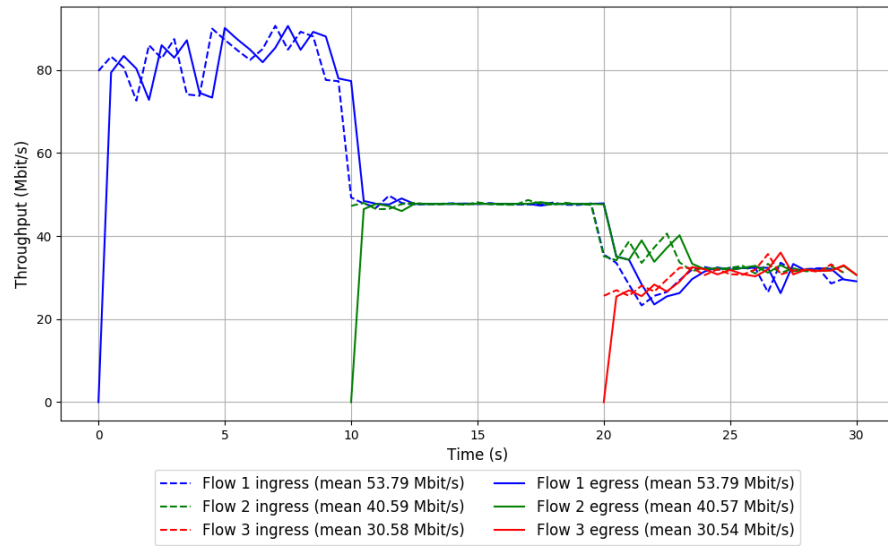
-- Flow 3:

Average throughput: 30.54 Mbit/s

95th percentile per-packet one-way delay: 13.891 ms

Loss rate: 0.16%

Run 6: Report of Copa — Data Link

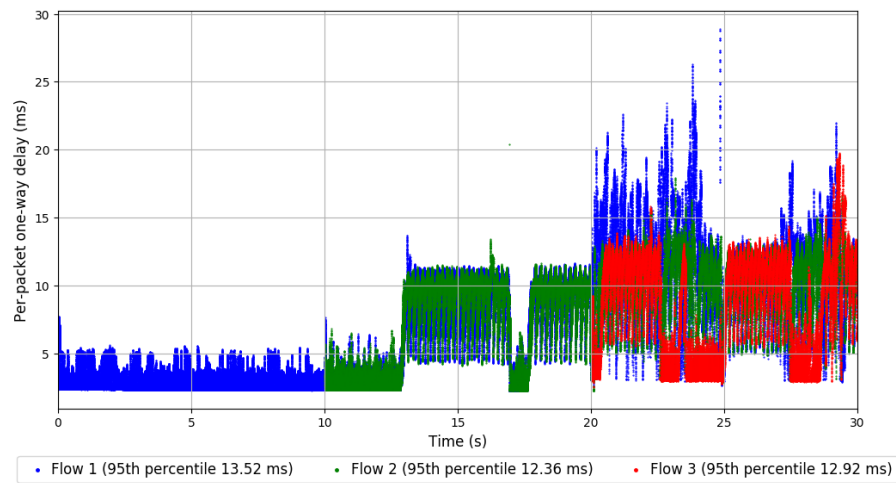
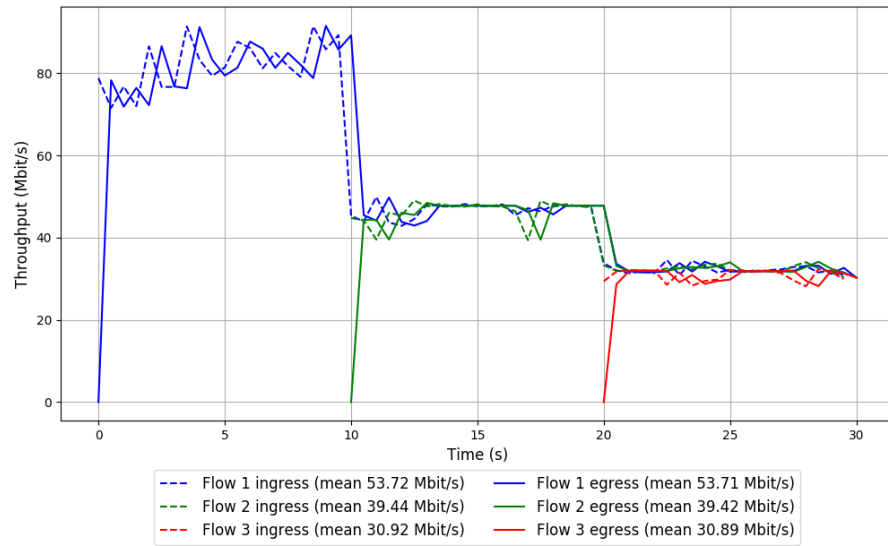


Run 7: Statistics of Copa

Start at: 2018-08-10 03:32:00
End at: 2018-08-10 03:32:30
Local clock offset: -4.472 ms
Remote clock offset: -0.903 ms

Below is generated by plot.py at 2018-08-10 04:39:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 12.843 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.71 Mbit/s
95th percentile per-packet one-way delay: 13.520 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 12.357 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 12.923 ms
Loss rate: 0.12%

Run 7: Report of Copa — Data Link

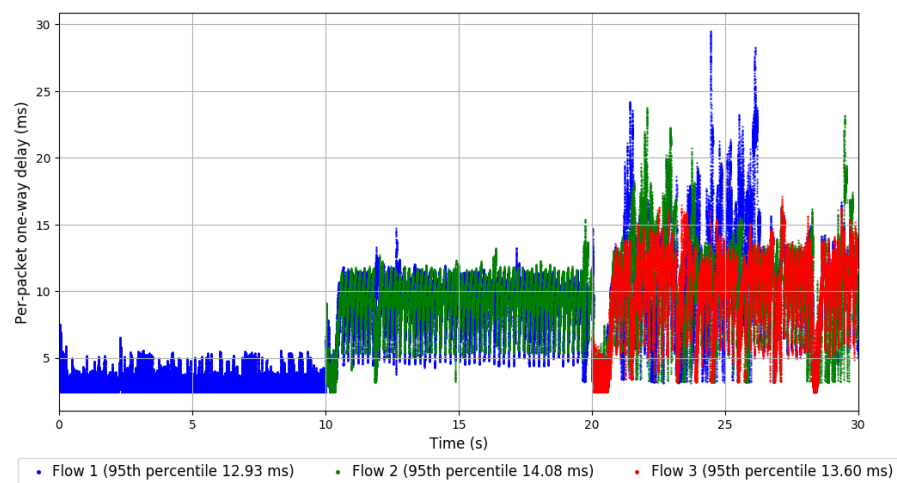
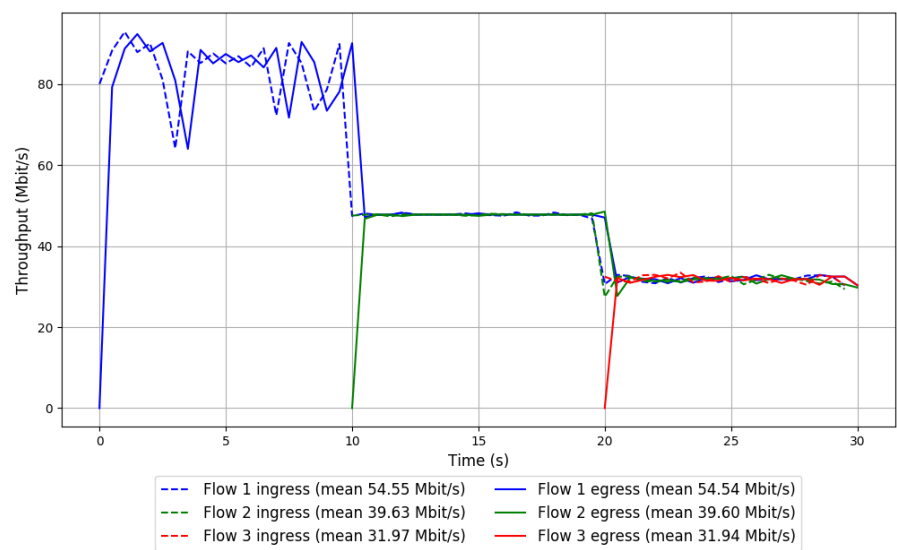


Run 8: Statistics of Copa

Start at: 2018-08-10 03:51:09
End at: 2018-08-10 03:51:39
Local clock offset: -4.386 ms
Remote clock offset: -4.07 ms

Below is generated by plot.py at 2018-08-10 04:39:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 13.435 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 12.934 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 14.079 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 13.600 ms
Loss rate: 0.15%

Run 8: Report of Copa — Data Link

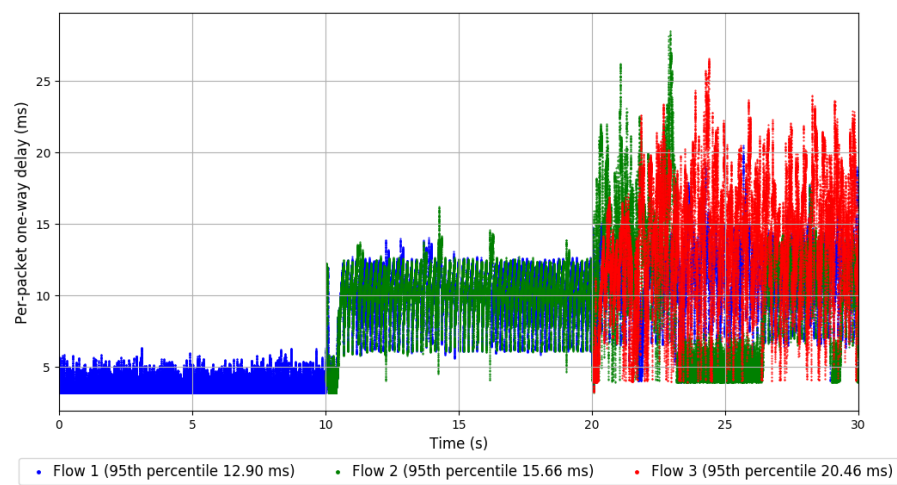
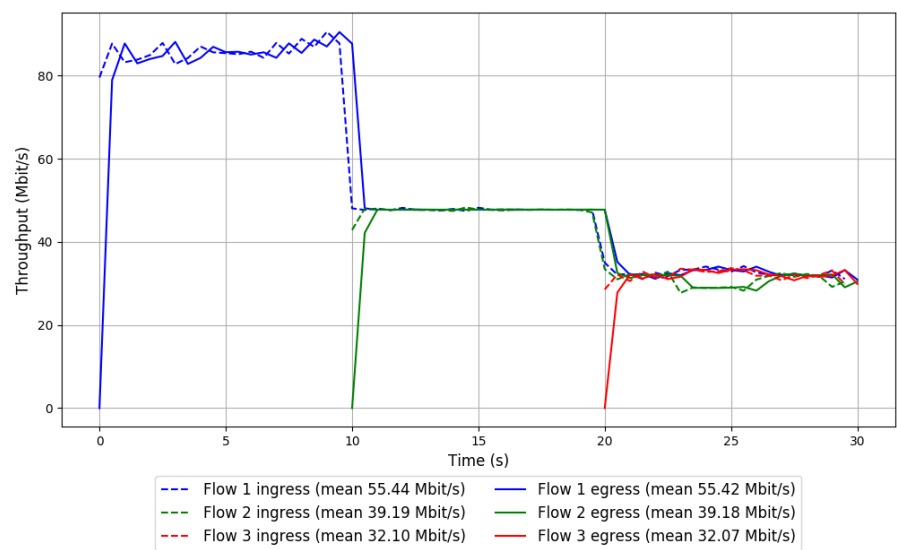


Run 9: Statistics of Copa

Start at: 2018-08-10 04:10:19
End at: 2018-08-10 04:10:49
Local clock offset: -3.538 ms
Remote clock offset: -3.884 ms

Below is generated by plot.py at 2018-08-10 04:40:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 15.914 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 12.902 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.18 Mbit/s
95th percentile per-packet one-way delay: 15.657 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 20.457 ms
Loss rate: 0.15%

Run 9: Report of Copa — Data Link

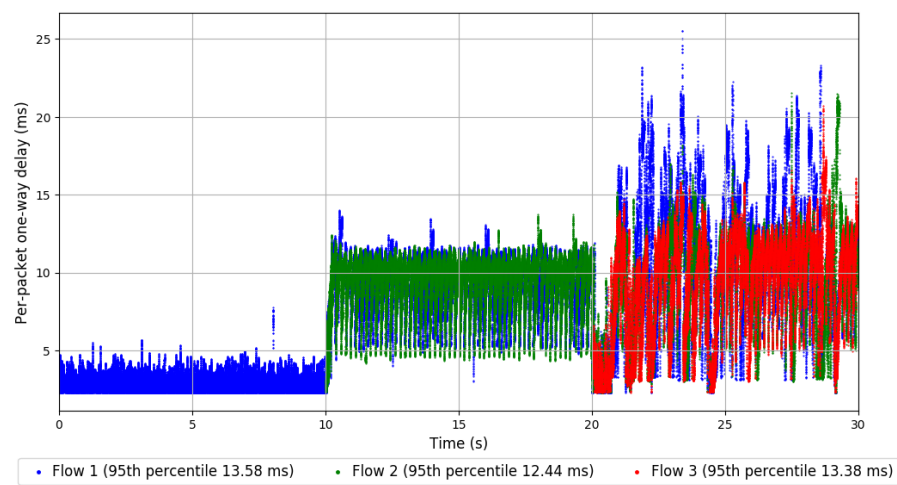
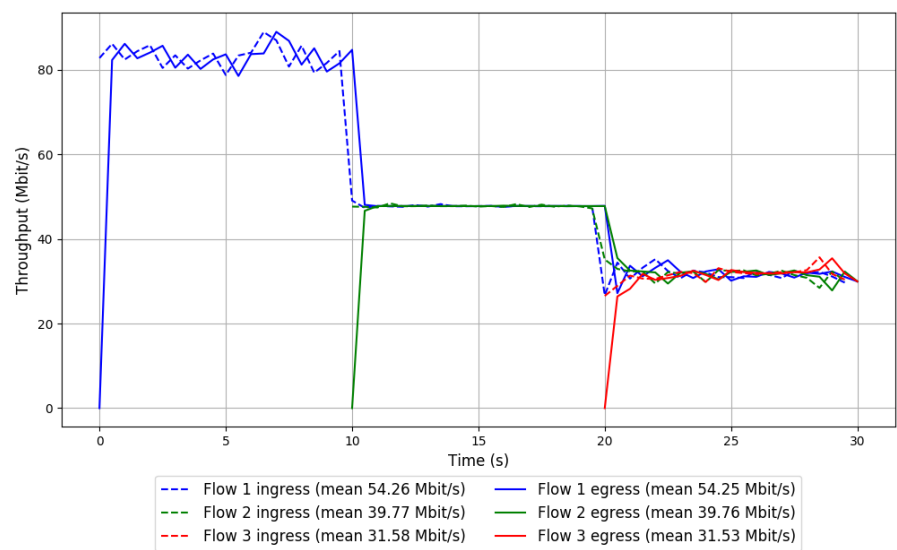


Run 10: Statistics of Copa

Start at: 2018-08-10 04:29:31
End at: 2018-08-10 04:30:01
Local clock offset: -4.357 ms
Remote clock offset: -3.794 ms

Below is generated by plot.py at 2018-08-10 04:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.20 Mbit/s
95th percentile per-packet one-way delay: 13.093 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 13.583 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 12.444 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 13.379 ms
Loss rate: 0.18%

Run 10: Report of Copa — Data Link

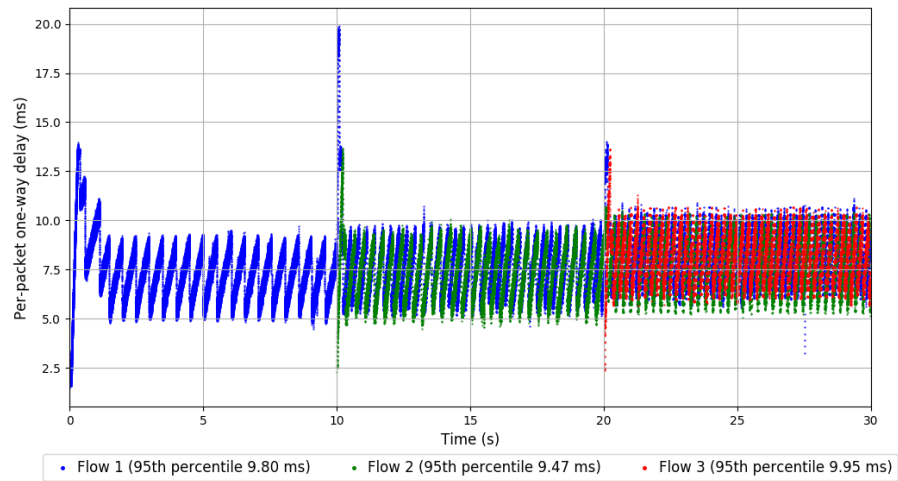
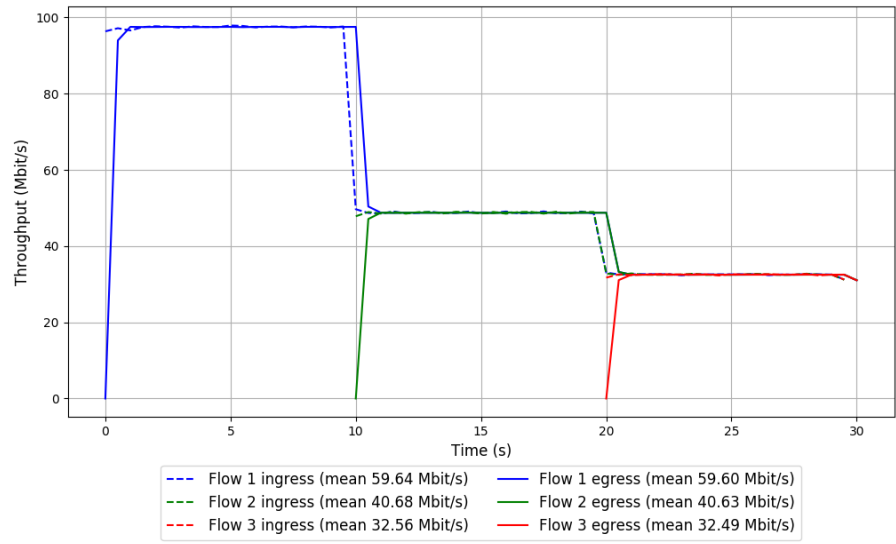


Run 1: Statistics of TCP Cubic

Start at: 2018-08-10 01:27:59
End at: 2018-08-10 01:28:29
Local clock offset: -4.421 ms
Remote clock offset: -2.344 ms

Below is generated by plot.py at 2018-08-10 04:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.772 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 9.798 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 9.470 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 9.949 ms
Loss rate: 0.25%

Run 1: Report of TCP Cubic — Data Link

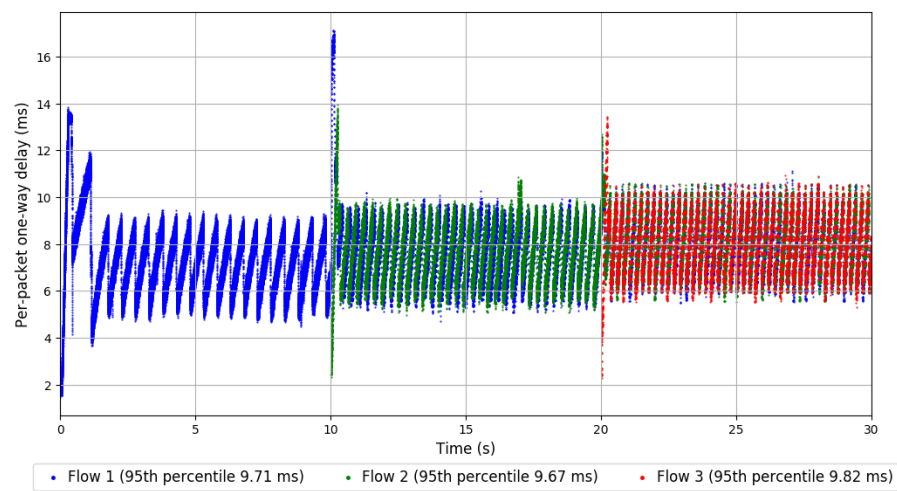
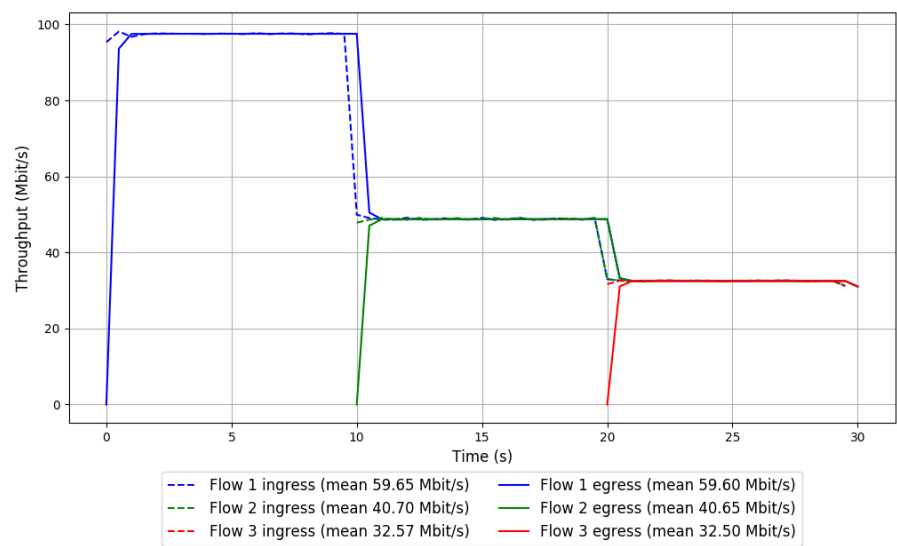


Run 2: Statistics of TCP Cubic

Start at: 2018-08-10 01:47:09
End at: 2018-08-10 01:47:39
Local clock offset: -4.287 ms
Remote clock offset: -1.911 ms

Below is generated by plot.py at 2018-08-10 04:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 9.736 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 9.710 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 9.673 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.50 Mbit/s
95th percentile per-packet one-way delay: 9.825 ms
Loss rate: 0.25%

Run 2: Report of TCP Cubic — Data Link

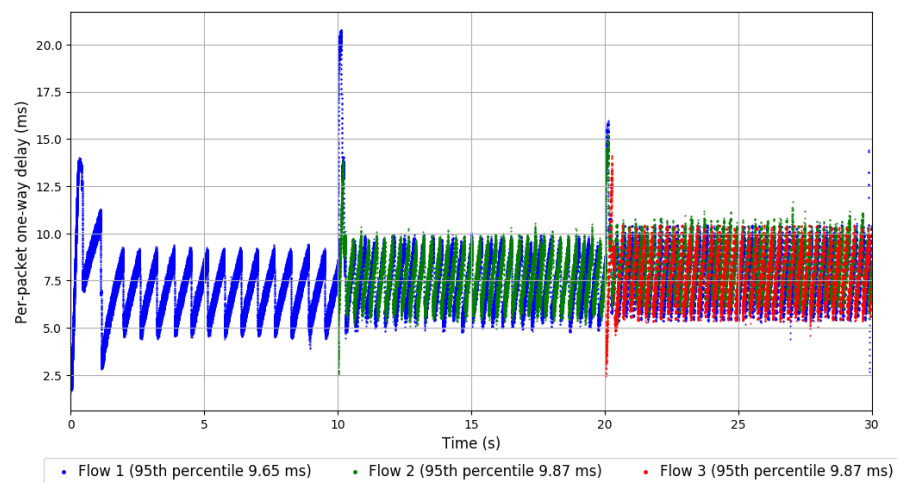
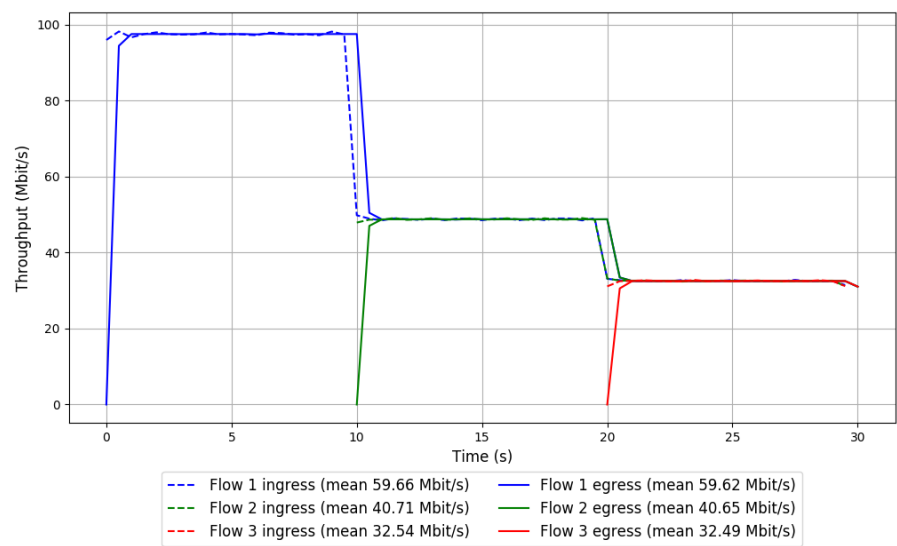


Run 3: Statistics of TCP Cubic

Start at: 2018-08-10 02:06:20
End at: 2018-08-10 02:06:50
Local clock offset: -3.363 ms
Remote clock offset: -2.251 ms

Below is generated by plot.py at 2018-08-10 04:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 9.776 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 9.648 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 9.874 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 9.868 ms
Loss rate: 0.23%

Run 3: Report of TCP Cubic — Data Link

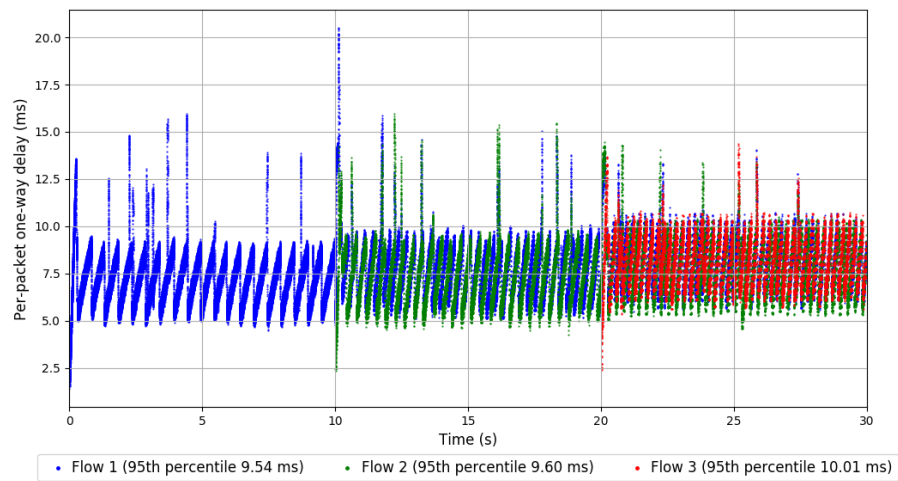
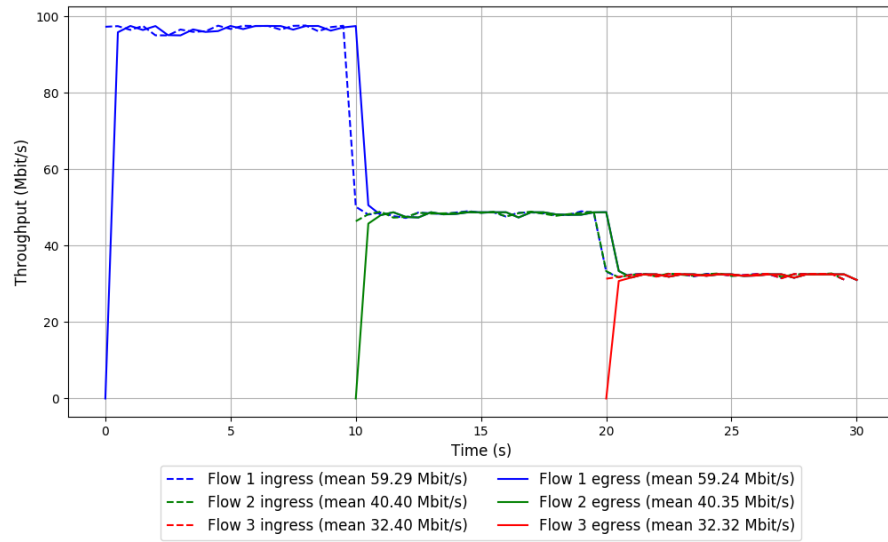


Run 4: Statistics of TCP Cubic

Start at: 2018-08-10 02:25:29
End at: 2018-08-10 02:25:59
Local clock offset: -3.908 ms
Remote clock offset: -1.118 ms

Below is generated by plot.py at 2018-08-10 04:40:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 9.716 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.24 Mbit/s
95th percentile per-packet one-way delay: 9.544 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.35 Mbit/s
95th percentile per-packet one-way delay: 9.596 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 10.006 ms
Loss rate: 0.26%

Run 4: Report of TCP Cubic — Data Link

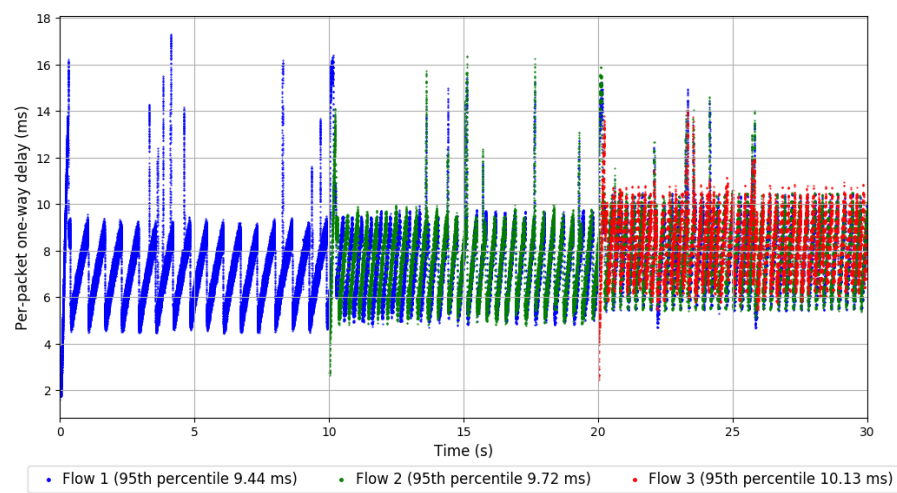
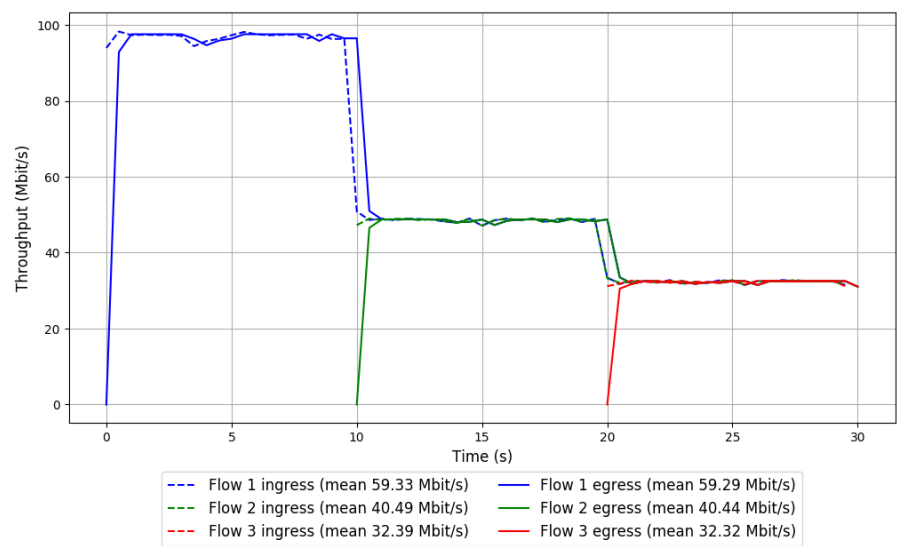


Run 5: Statistics of TCP Cubic

Start at: 2018-08-10 02:44:39
End at: 2018-08-10 02:45:09
Local clock offset: -4.342 ms
Remote clock offset: -0.251 ms

Below is generated by plot.py at 2018-08-10 04:40:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.95 Mbit/s
95th percentile per-packet one-way delay: 9.711 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: 9.438 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 9.722 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.32 Mbit/s
95th percentile per-packet one-way delay: 10.134 ms
Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-08-10 03:03:48

End at: 2018-08-10 03:04:18

Local clock offset: -4.511 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at 2018-08-10 04:40:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 10.436 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.45 Mbit/s

95th percentile per-packet one-way delay: 10.256 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 10.546 ms

Loss rate: 0.16%

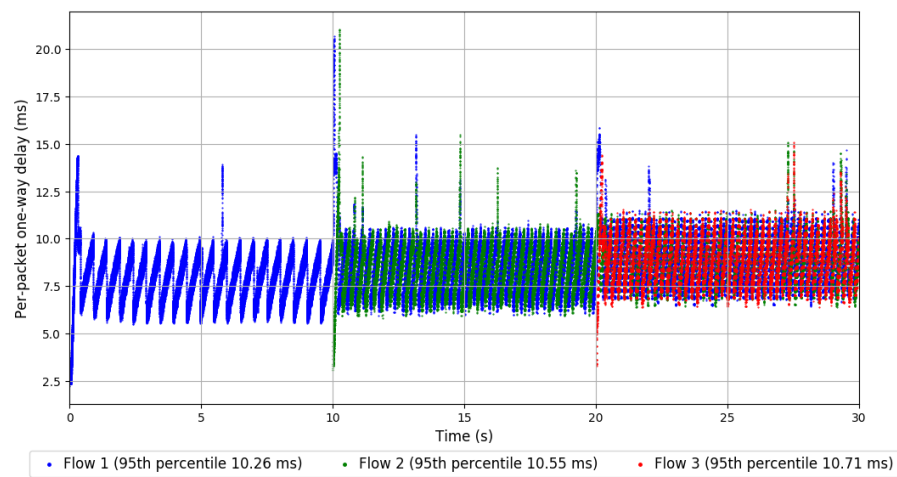
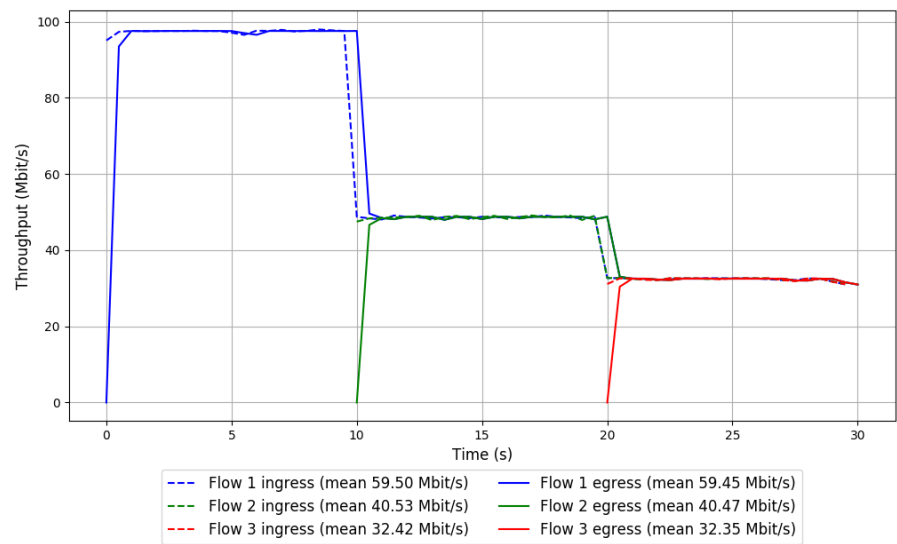
-- Flow 3:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 10.706 ms

Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-10 03:22:59

End at: 2018-08-10 03:23:29

Local clock offset: -5.326 ms

Remote clock offset: 1.01 ms

Below is generated by plot.py at 2018-08-10 04:40:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.47 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 59.61 Mbit/s

95th percentile per-packet one-way delay: 9.792 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 9.799 ms

Loss rate: 0.16%

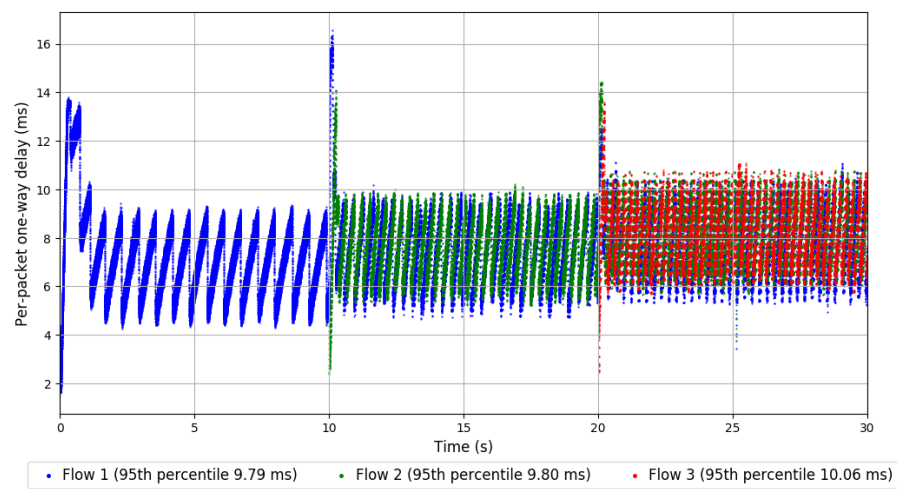
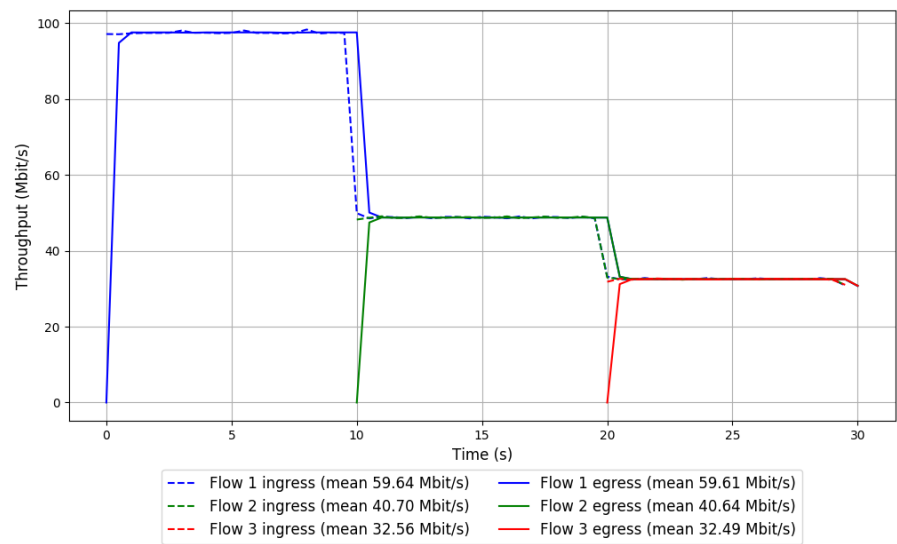
-- Flow 3:

Average throughput: 32.49 Mbit/s

95th percentile per-packet one-way delay: 10.062 ms

Loss rate: 0.25%

Run 7: Report of TCP Cubic — Data Link

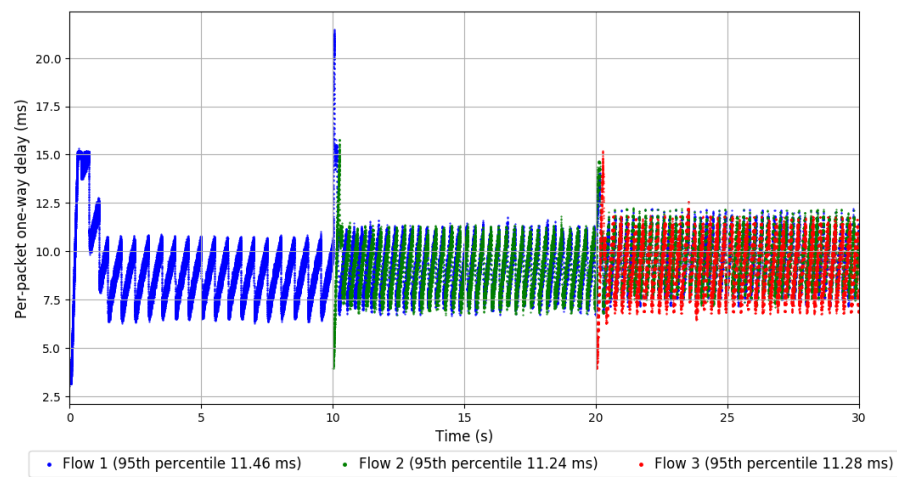
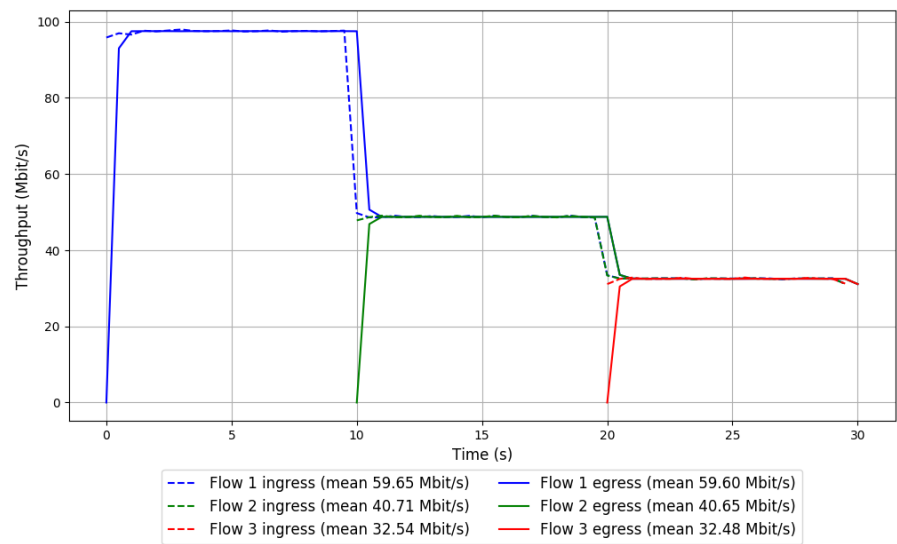


Run 8: Statistics of TCP Cubic

Start at: 2018-08-10 03:42:08
End at: 2018-08-10 03:42:38
Local clock offset: -3.731 ms
Remote clock offset: -3.033 ms

Below is generated by plot.py at 2018-08-10 04:40:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 11.339 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.60 Mbit/s
95th percentile per-packet one-way delay: 11.455 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 11.240 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 11.284 ms
Loss rate: 0.23%

Run 8: Report of TCP Cubic — Data Link

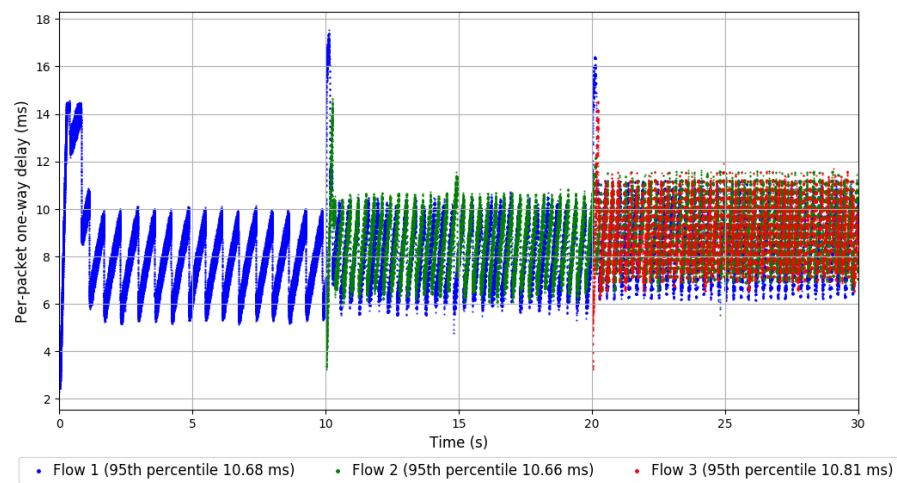
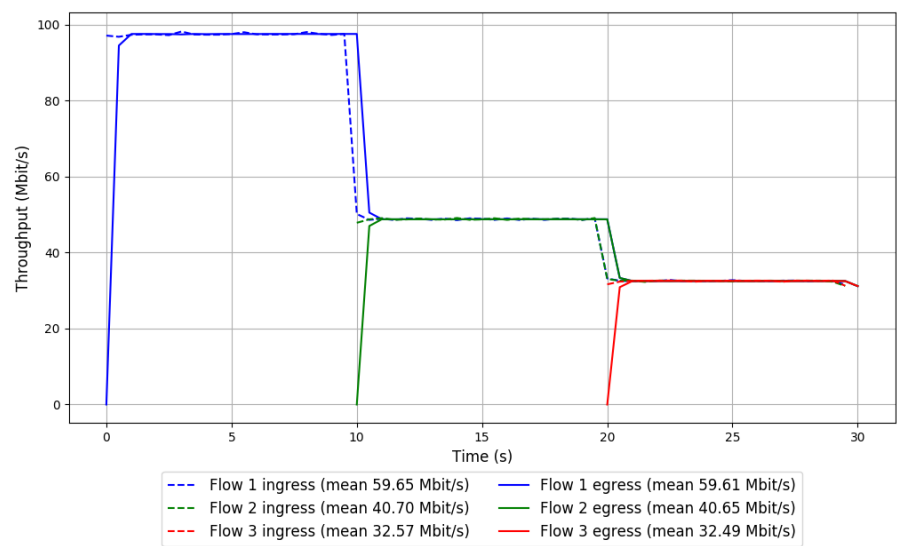


Run 9: Statistics of TCP Cubic

Start at: 2018-08-10 04:01:18
End at: 2018-08-10 04:01:48
Local clock offset: -4.292 ms
Remote clock offset: -4.659 ms

Below is generated by plot.py at 2018-08-10 04:40:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.717 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 10.678 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 10.656 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 10.814 ms
Loss rate: 0.27%

Run 9: Report of TCP Cubic — Data Link

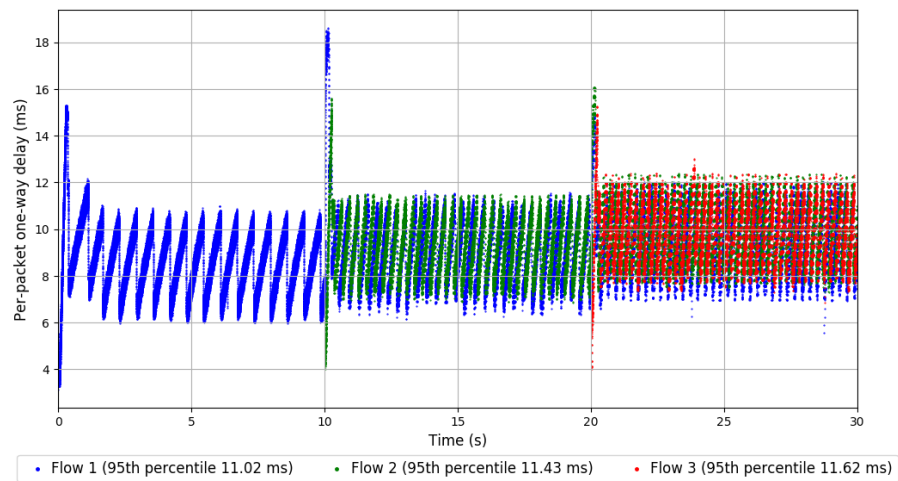
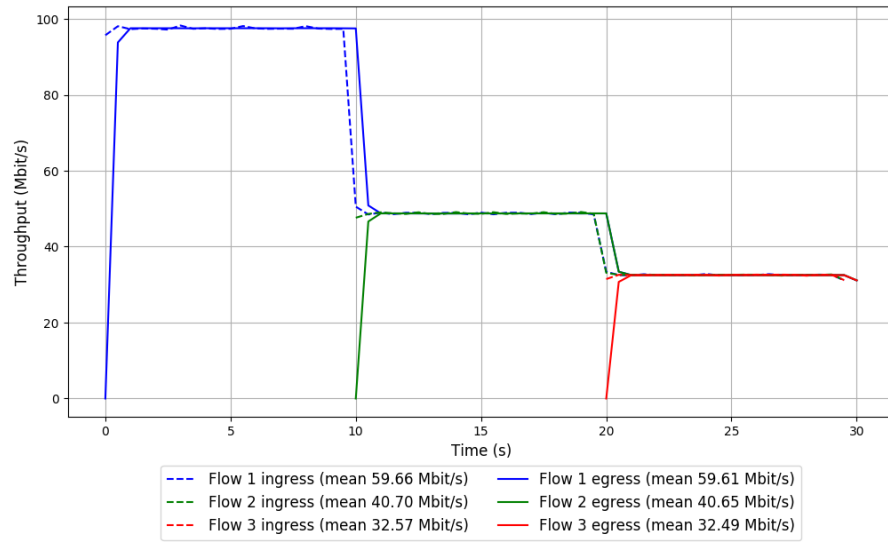


Run 10: Statistics of TCP Cubic

Start at: 2018-08-10 04:20:28
End at: 2018-08-10 04:20:58
Local clock offset: -3.545 ms
Remote clock offset: -3.813 ms

Below is generated by plot.py at 2018-08-10 04:40:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 11.266 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 11.023 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.65 Mbit/s
95th percentile per-packet one-way delay: 11.426 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 11.620 ms
Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link

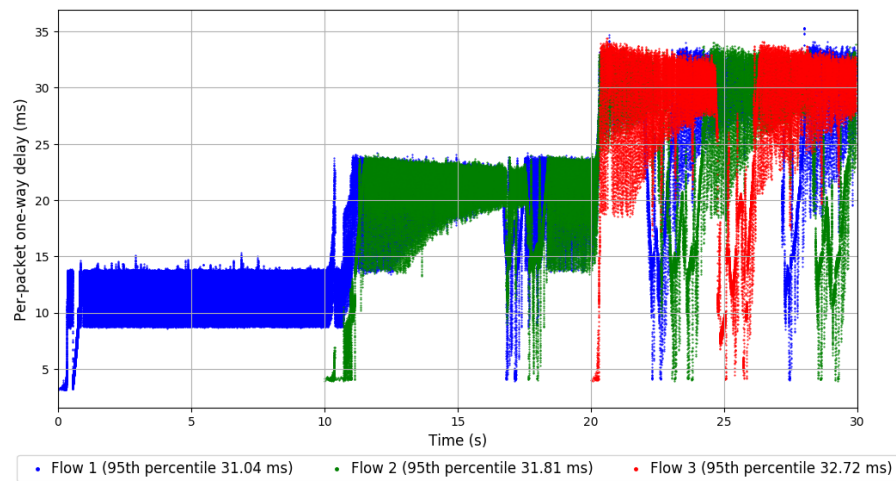
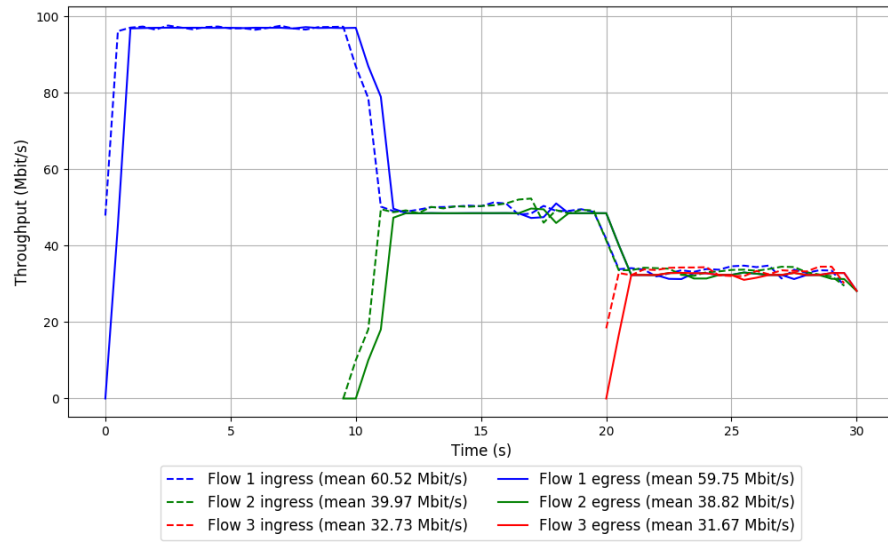


Run 1: Statistics of FillP

Start at: 2018-08-10 01:23:32
End at: 2018-08-10 01:24:02
Local clock offset: -2.827 ms
Remote clock offset: -2.659 ms

Below is generated by plot.py at 2018-08-10 04:41:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 31.783 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 31.035 ms
Loss rate: 1.32%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 31.812 ms
Loss rate: 2.95%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 32.716 ms
Loss rate: 3.29%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-10 01:42:42

End at: 2018-08-10 01:43:12

Local clock offset: -3.734 ms

Remote clock offset: -1.92 ms

Below is generated by plot.py at 2018-08-10 04:41:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 30.853 ms

Loss rate: 2.18%

-- Flow 1:

Average throughput: 59.72 Mbit/s

95th percentile per-packet one-way delay: 29.931 ms

Loss rate: 1.48%

-- Flow 2:

Average throughput: 38.83 Mbit/s

95th percentile per-packet one-way delay: 31.169 ms

Loss rate: 3.13%

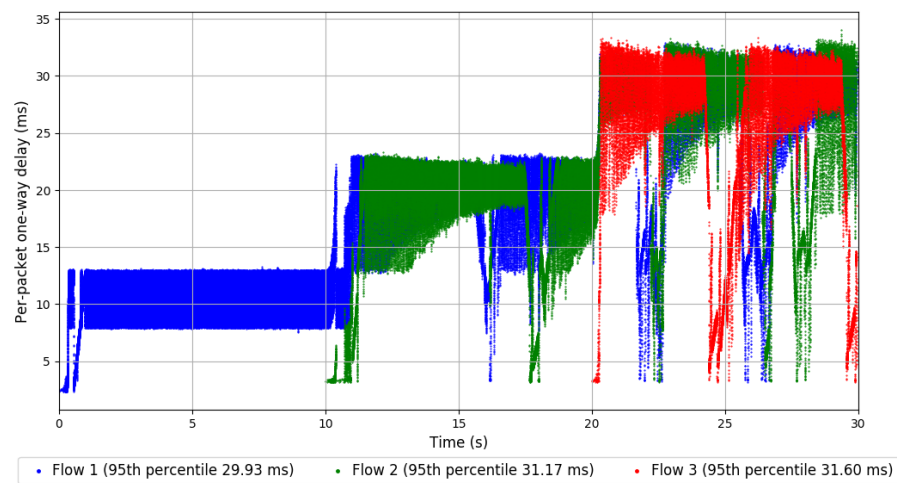
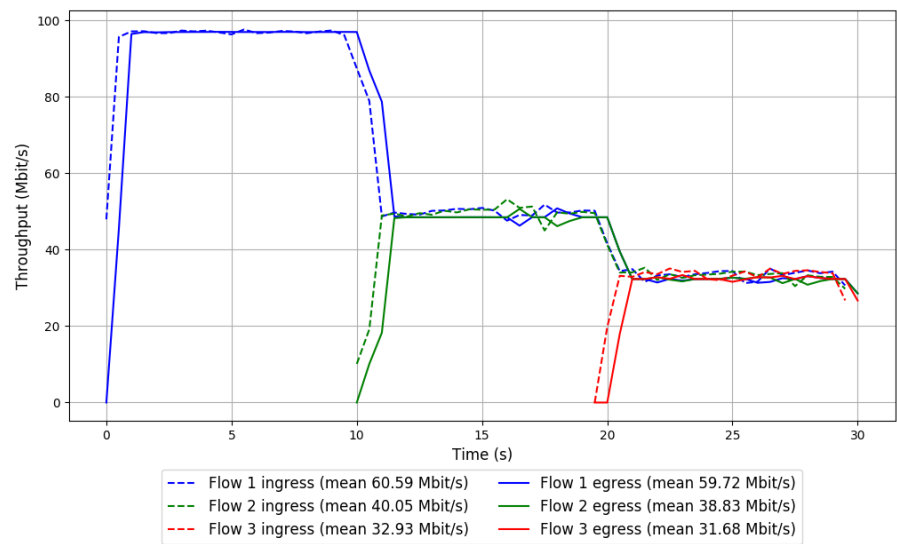
-- Flow 3:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 31.603 ms

Loss rate: 3.74%

Run 2: Report of FillP — Data Link

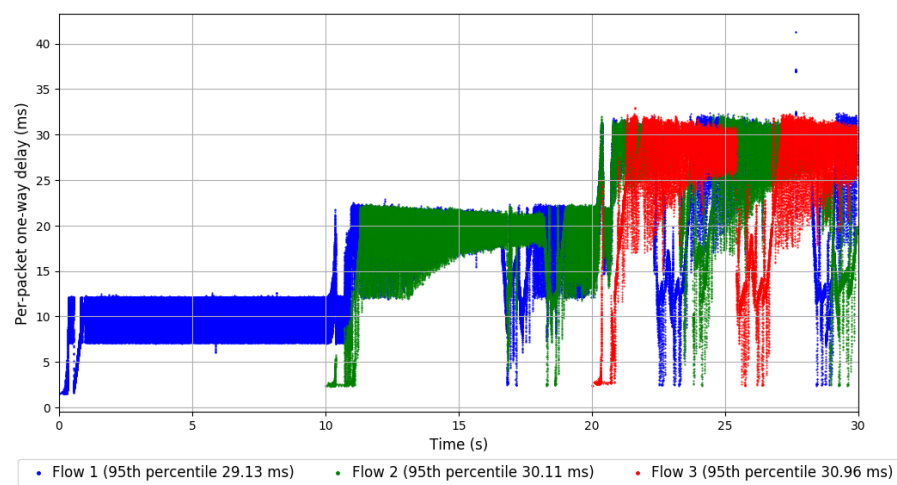
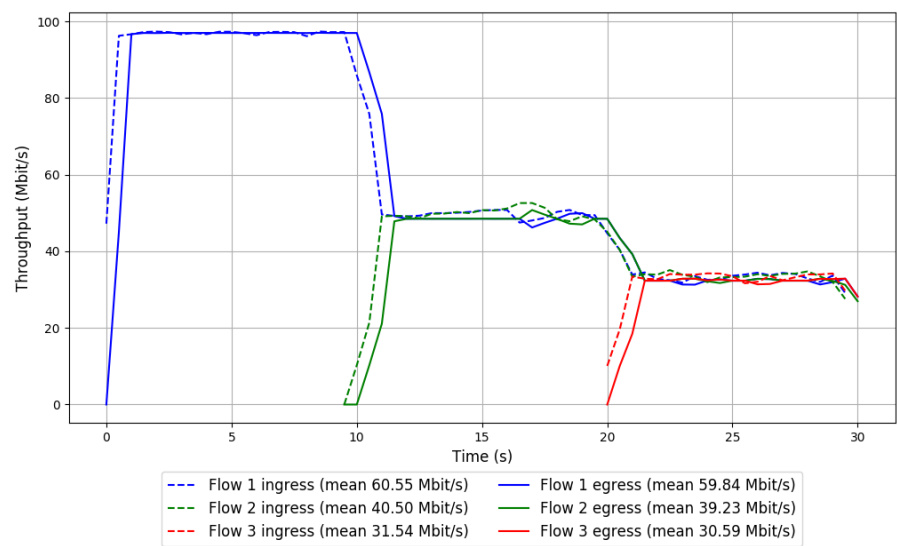


Run 3: Statistics of FillP

Start at: 2018-08-10 02:01:53
End at: 2018-08-10 02:02:23
Local clock offset: -3.441 ms
Remote clock offset: -2.151 ms

Below is generated by plot.py at 2018-08-10 04:41:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.10 Mbit/s
95th percentile per-packet one-way delay: 30.042 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 29.130 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 39.23 Mbit/s
95th percentile per-packet one-way delay: 30.112 ms
Loss rate: 3.16%
-- Flow 3:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 30.965 ms
Loss rate: 3.15%

Run 3: Report of FillP — Data Link

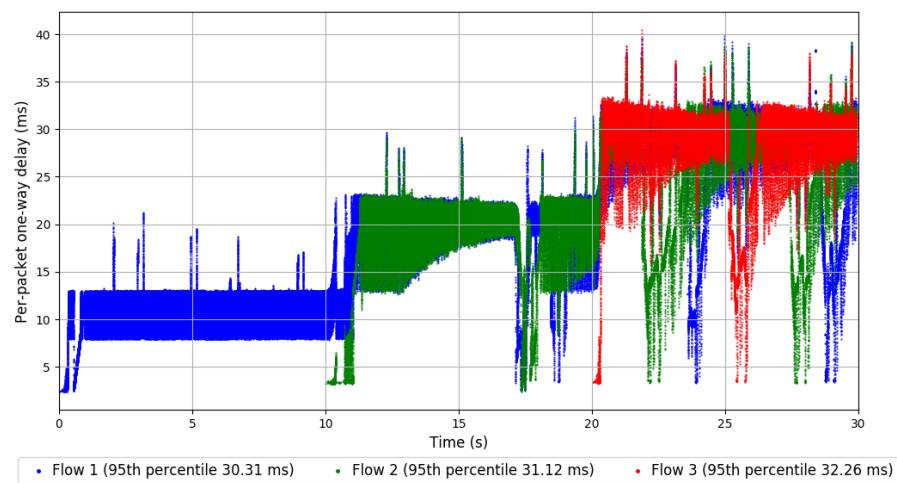
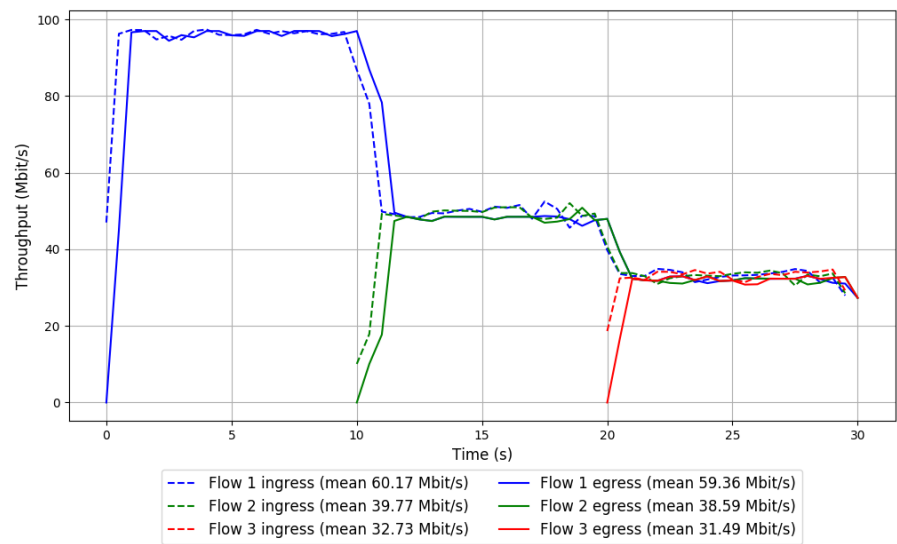


Run 4: Statistics of FillP

Start at: 2018-08-10 02:21:02
End at: 2018-08-10 02:21:32
Local clock offset: -2.787 ms
Remote clock offset: -1.652 ms

Below is generated by plot.py at 2018-08-10 04:41:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 31.154 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 30.307 ms
Loss rate: 1.39%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 31.49 Mbit/s
95th percentile per-packet one-way delay: 32.263 ms
Loss rate: 3.96%

Run 4: Report of FillP — Data Link

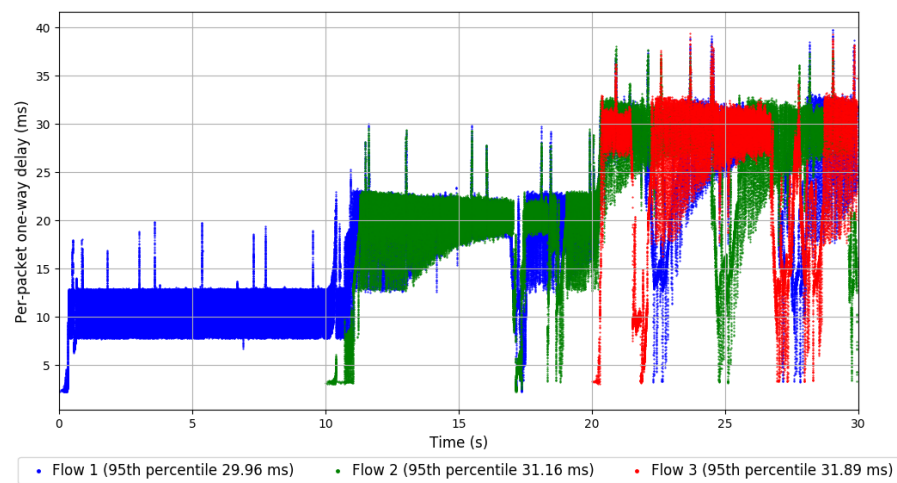
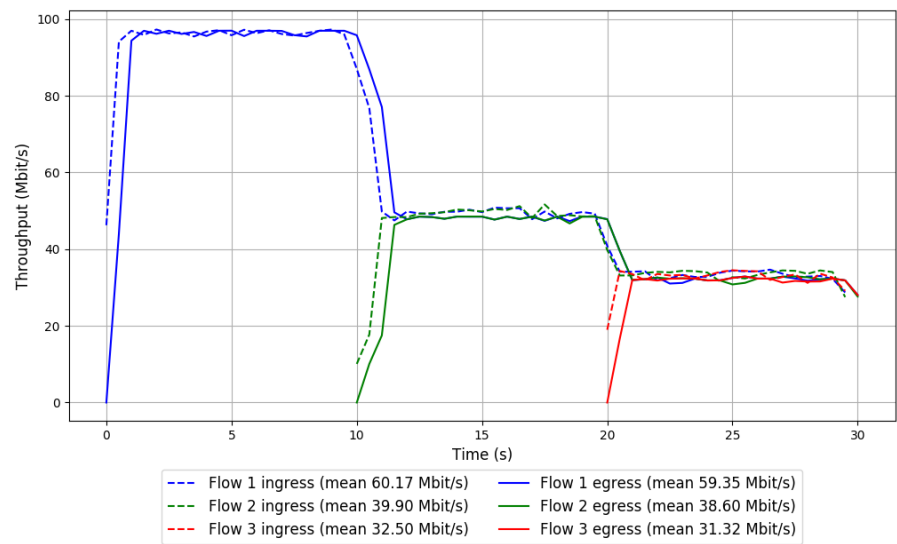


Run 5: Statistics of FillP

Start at: 2018-08-10 02:40:12
End at: 2018-08-10 02:40:42
Local clock offset: -3.514 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-08-10 04:41:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 59.35 Mbit/s
95th percentile per-packet one-way delay: 29.956 ms
Loss rate: 1.38%
-- Flow 2:
Average throughput: 38.60 Mbit/s
95th percentile per-packet one-way delay: 31.157 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 31.32 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 3.75%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-10 02:59:21

End at: 2018-08-10 02:59:51

Local clock offset: -5.147 ms

Remote clock offset: 0.413 ms

Below is generated by plot.py at 2018-08-10 04:41:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 30.173 ms

Loss rate: 2.09%

-- Flow 1:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 29.332 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 38.85 Mbit/s

95th percentile per-packet one-way delay: 30.281 ms

Loss rate: 3.18%

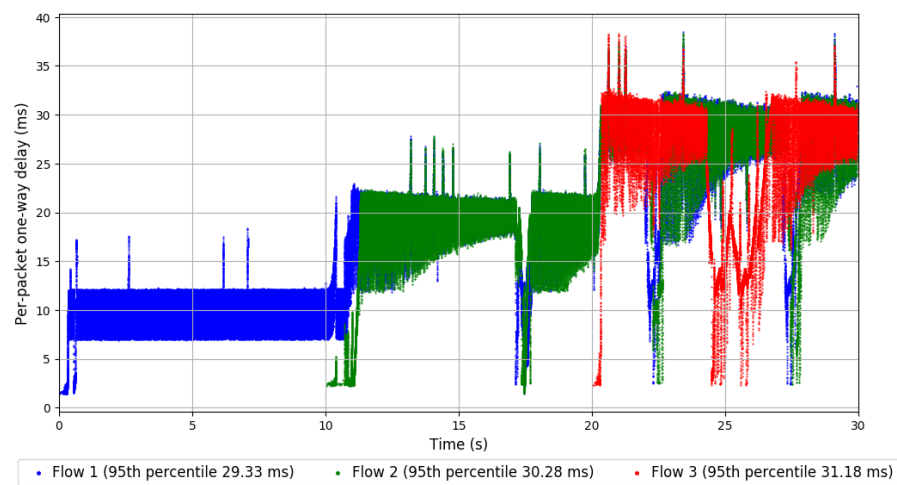
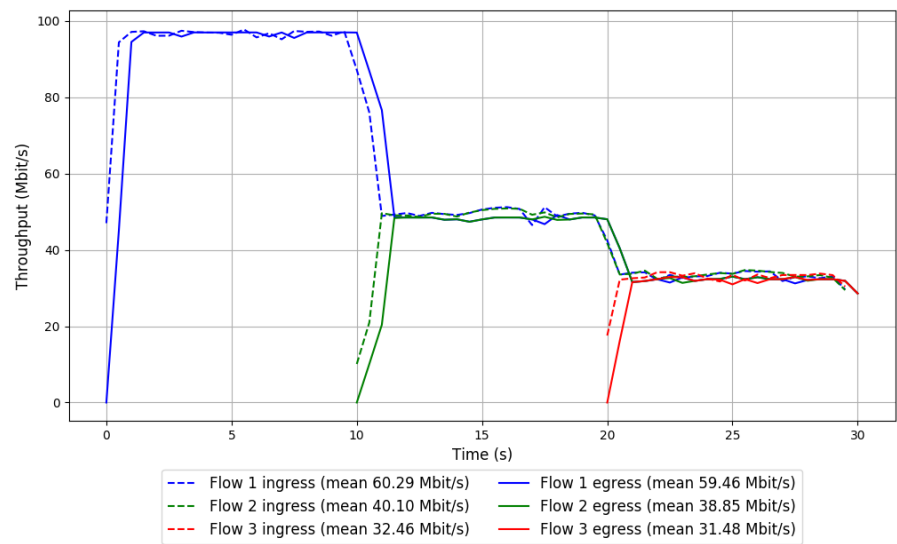
-- Flow 3:

Average throughput: 31.48 Mbit/s

95th percentile per-packet one-way delay: 31.179 ms

Loss rate: 3.21%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-10 03:18:32

End at: 2018-08-10 03:19:02

Local clock offset: -5.417 ms

Remote clock offset: 0.943 ms

Below is generated by plot.py at 2018-08-10 04:41:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 30.085 ms

Loss rate: 2.21%

-- Flow 1:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 29.196 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 40.10 Mbit/s

95th percentile per-packet one-way delay: 30.327 ms

Loss rate: 3.47%

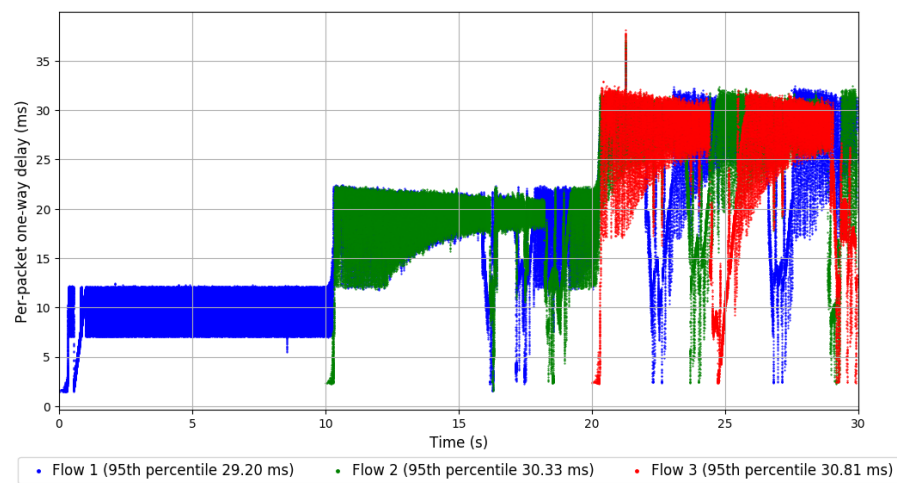
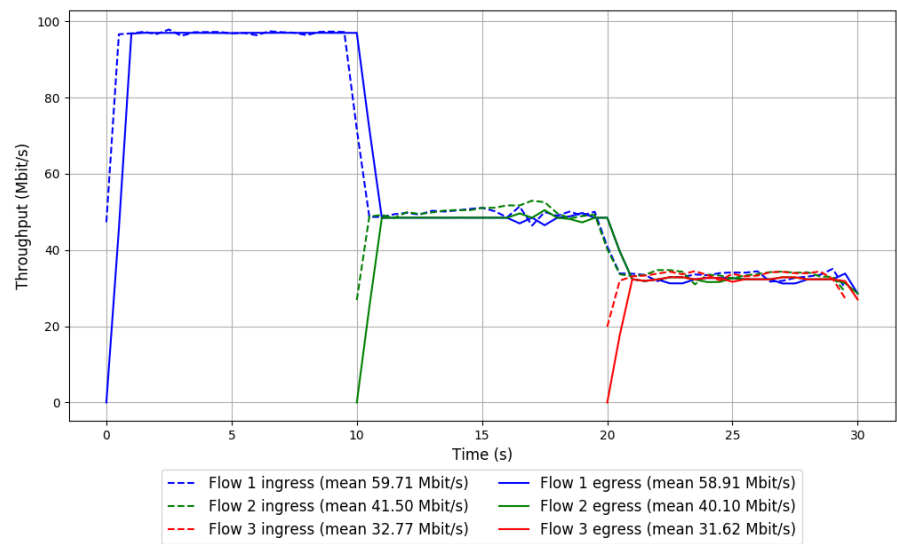
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 30.811 ms

Loss rate: 3.52%

Run 7: Report of FillP — Data Link

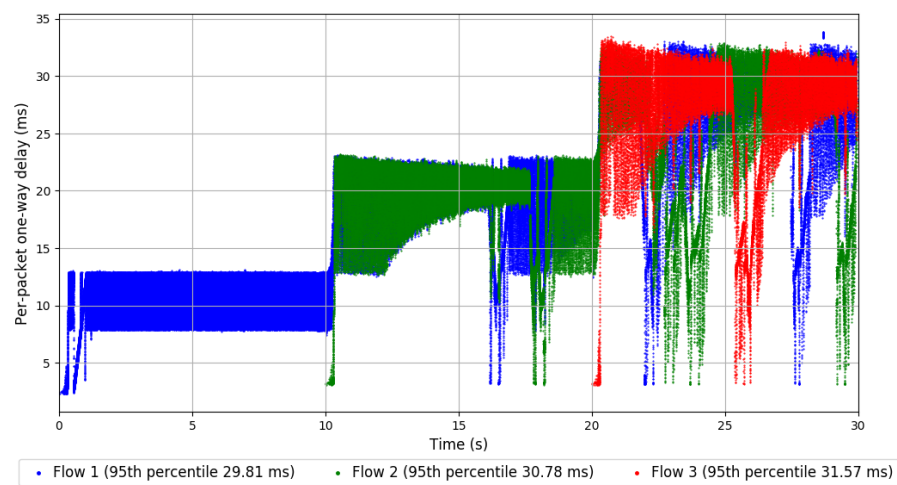
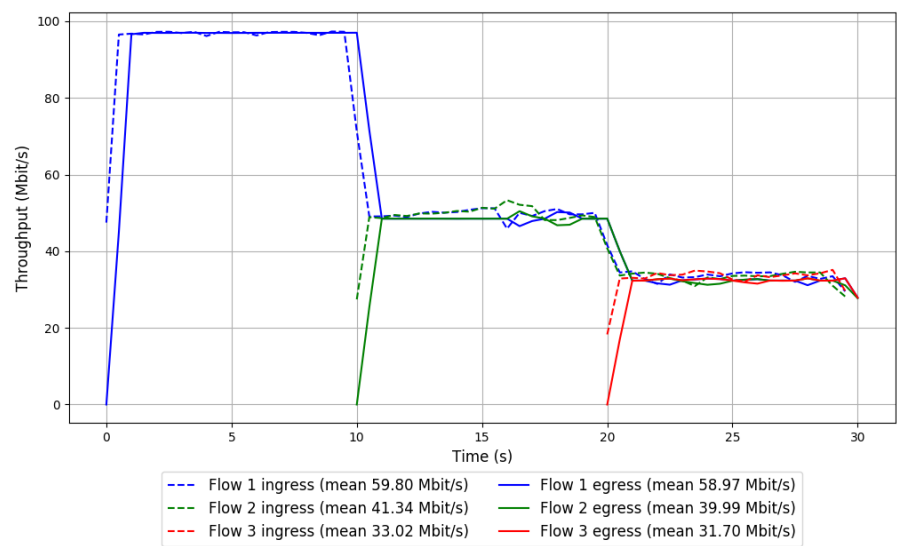


Run 8: Statistics of FillP

Start at: 2018-08-10 03:37:41
End at: 2018-08-10 03:38:11
Local clock offset: -4.537 ms
Remote clock offset: -2.422 ms

Below is generated by plot.py at 2018-08-10 04:42:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 30.683 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 29.813 ms
Loss rate: 1.44%
-- Flow 2:
Average throughput: 39.99 Mbit/s
95th percentile per-packet one-way delay: 30.783 ms
Loss rate: 3.24%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 31.571 ms
Loss rate: 4.03%

Run 8: Report of FillP — Data Link

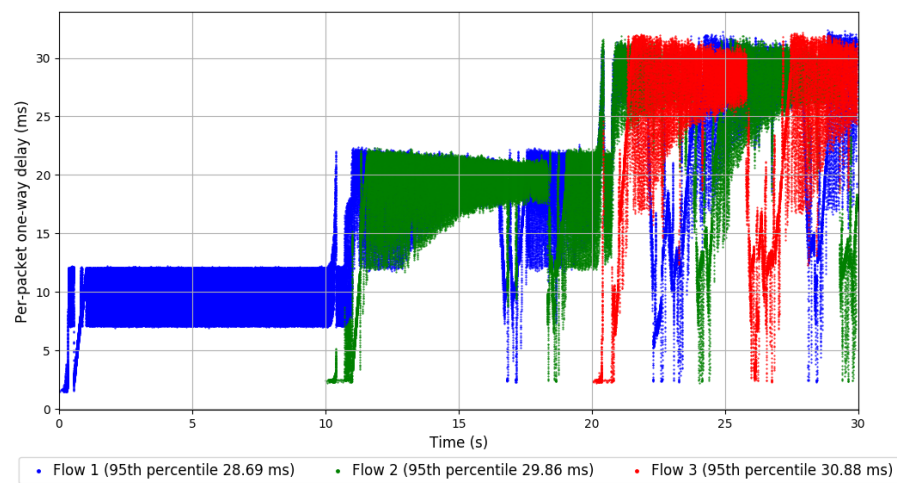
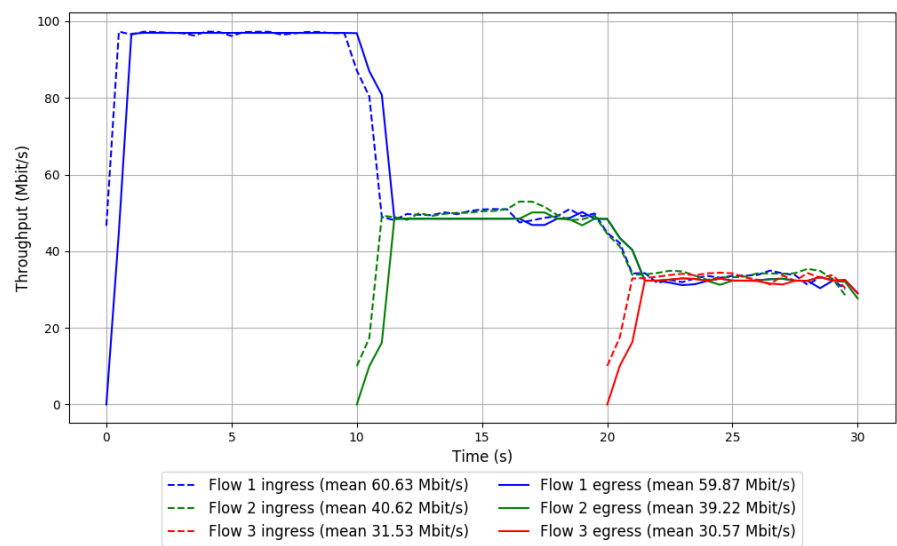


Run 9: Statistics of FillP

Start at: 2018-08-10 03:56:52
End at: 2018-08-10 03:57:22
Local clock offset: -5.164 ms
Remote clock offset: -4.395 ms

Below is generated by plot.py at 2018-08-10 04:42:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.09 Mbit/s
95th percentile per-packet one-way delay: 29.793 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 59.87 Mbit/s
95th percentile per-packet one-way delay: 28.692 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 39.22 Mbit/s
95th percentile per-packet one-way delay: 29.859 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 30.878 ms
Loss rate: 3.22%

Run 9: Report of FillP — Data Link

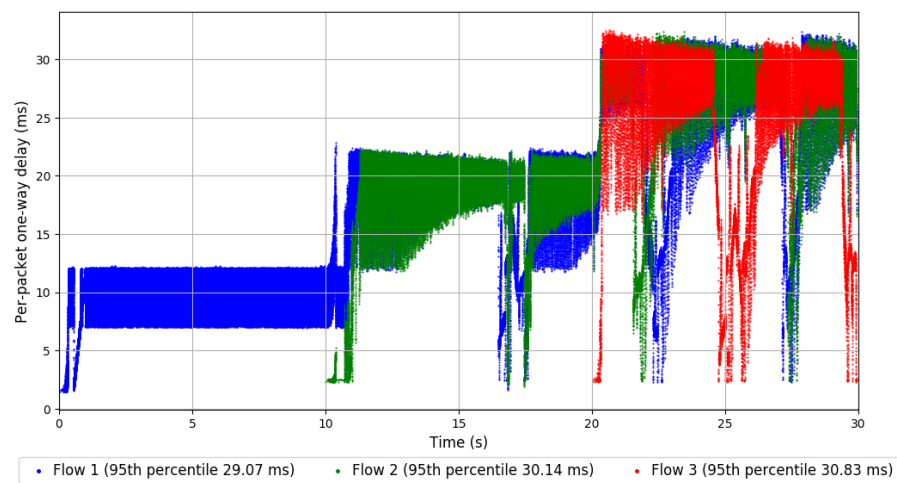
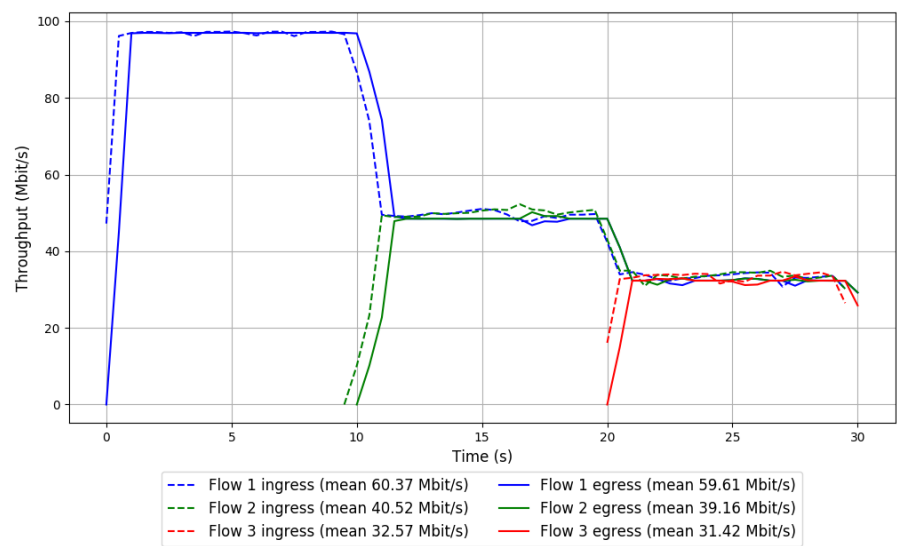


Run 10: Statistics of FillP

Start at: 2018-08-10 04:16:02
End at: 2018-08-10 04:16:32
Local clock offset: -5.079 ms
Remote clock offset: -3.665 ms

Below is generated by plot.py at 2018-08-10 04:42:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 29.973 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 59.61 Mbit/s
95th percentile per-packet one-way delay: 29.073 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 30.145 ms
Loss rate: 3.43%
-- Flow 3:
Average throughput: 31.42 Mbit/s
95th percentile per-packet one-way delay: 30.828 ms
Loss rate: 3.53%

Run 10: Report of FillP — Data Link

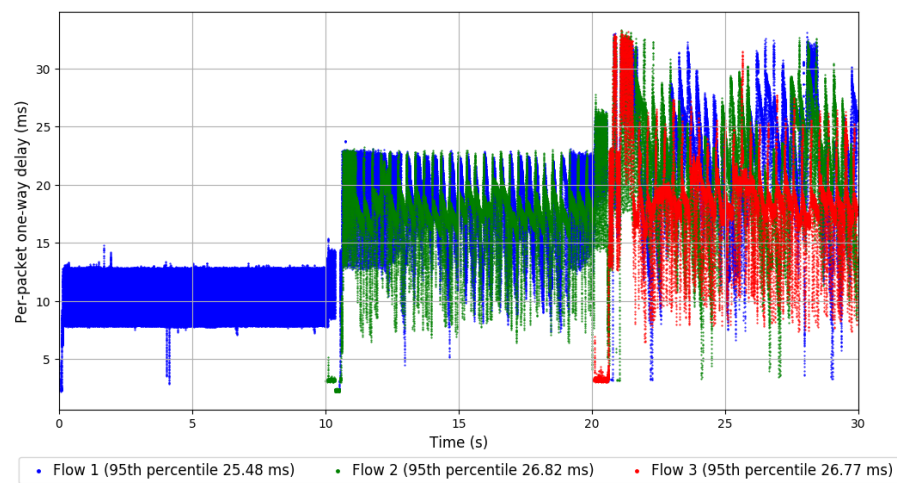
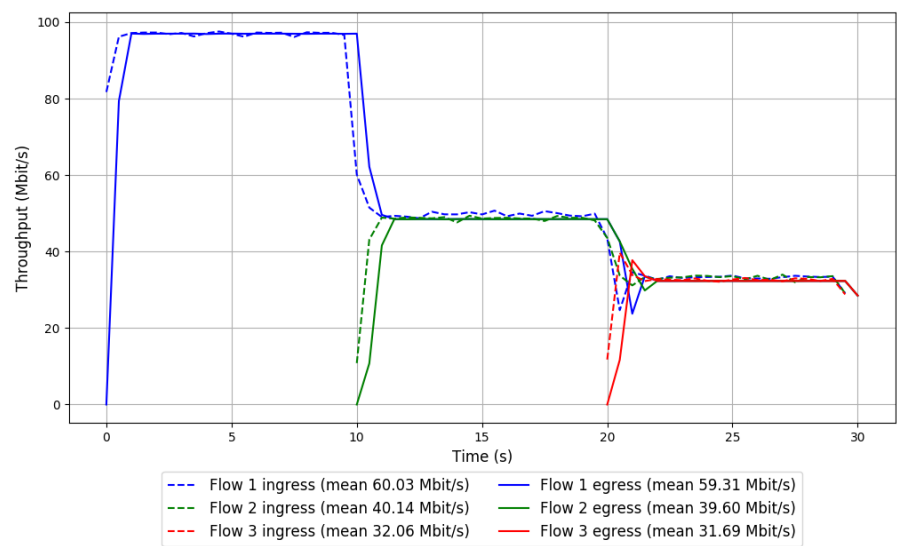


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-10 01:26:52
End at: 2018-08-10 01:27:22
Local clock offset: -3.634 ms
Remote clock offset: -2.374 ms

Below is generated by plot.py at 2018-08-10 04:43:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 26.134 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 25.477 ms
Loss rate: 1.19%
-- Flow 2:
Average throughput: 39.60 Mbit/s
95th percentile per-packet one-way delay: 26.818 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 31.69 Mbit/s
95th percentile per-packet one-way delay: 26.769 ms
Loss rate: 1.18%

Run 1: Report of FillP-Sheep — Data Link

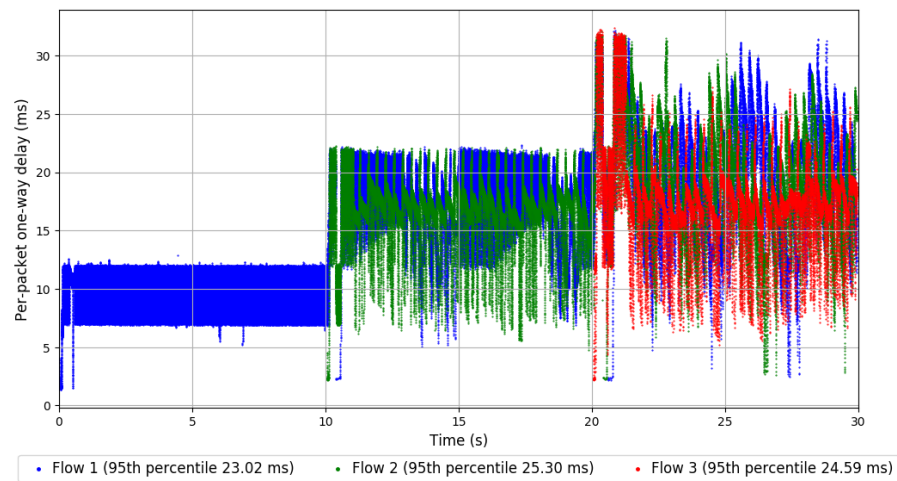
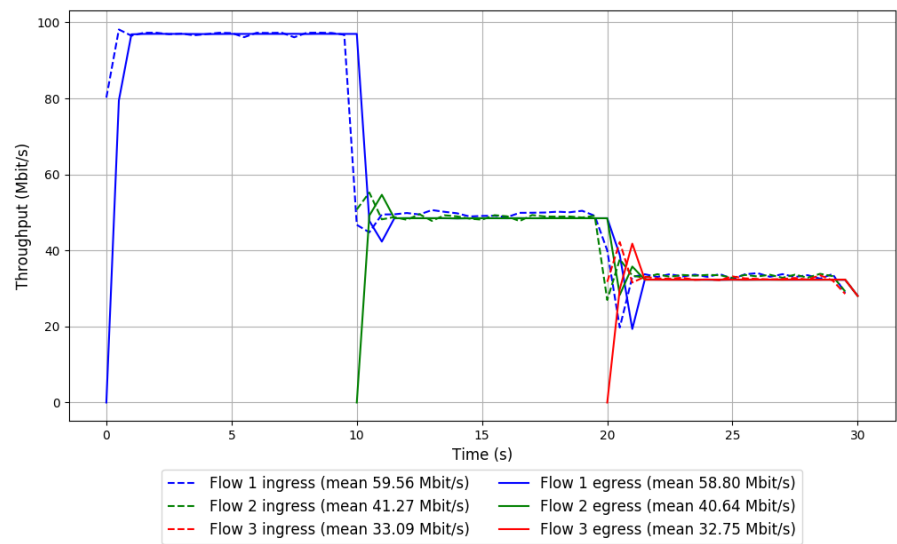


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-10 01:46:02
End at: 2018-08-10 01:46:32
Local clock offset: -4.511 ms
Remote clock offset: -1.862 ms

Below is generated by plot.py at 2018-08-10 04:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 24.122 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 23.016 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 25.303 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 32.75 Mbit/s
95th percentile per-packet one-way delay: 24.590 ms
Loss rate: 1.06%

Run 2: Report of FillP-Sheep — Data Link

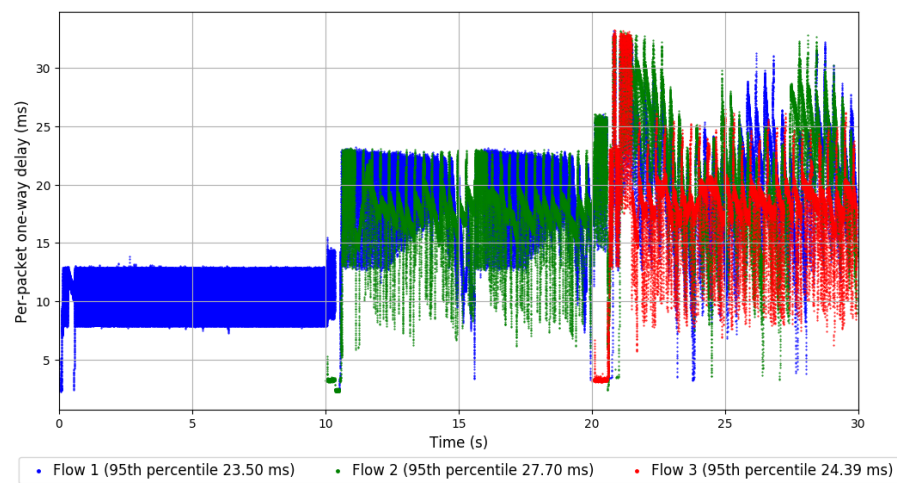
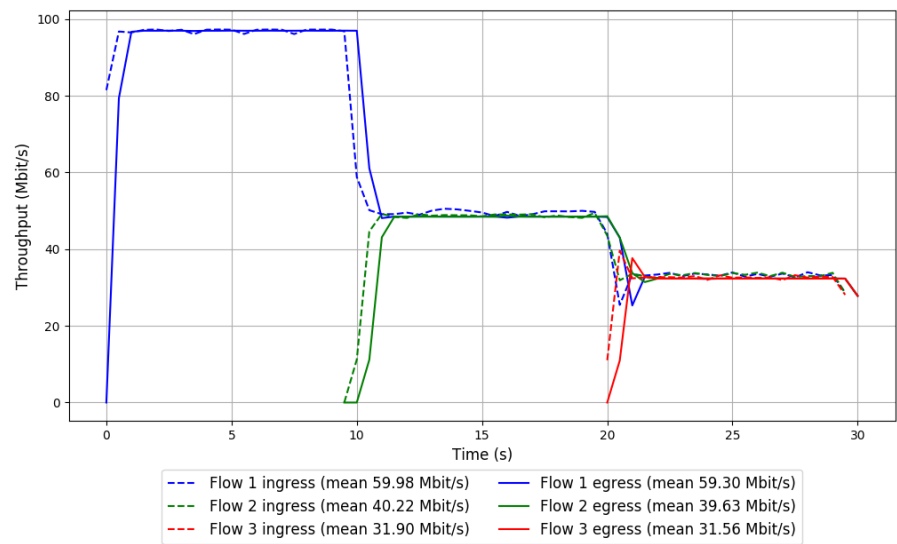


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-10 02:05:12
End at: 2018-08-10 02:05:42
Local clock offset: -2.639 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-08-10 04:43:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 25.234 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 23.502 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 27.704 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 24.393 ms
Loss rate: 1.11%

Run 3: Report of FillP-Sheep — Data Link

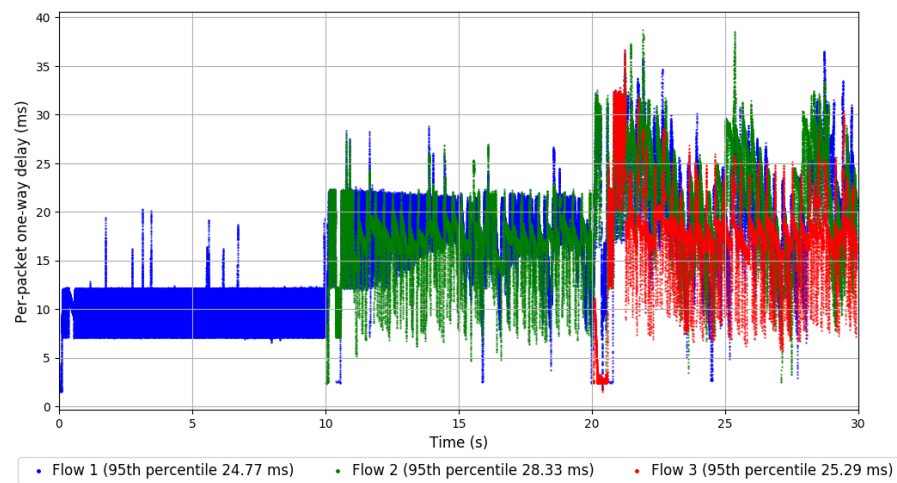
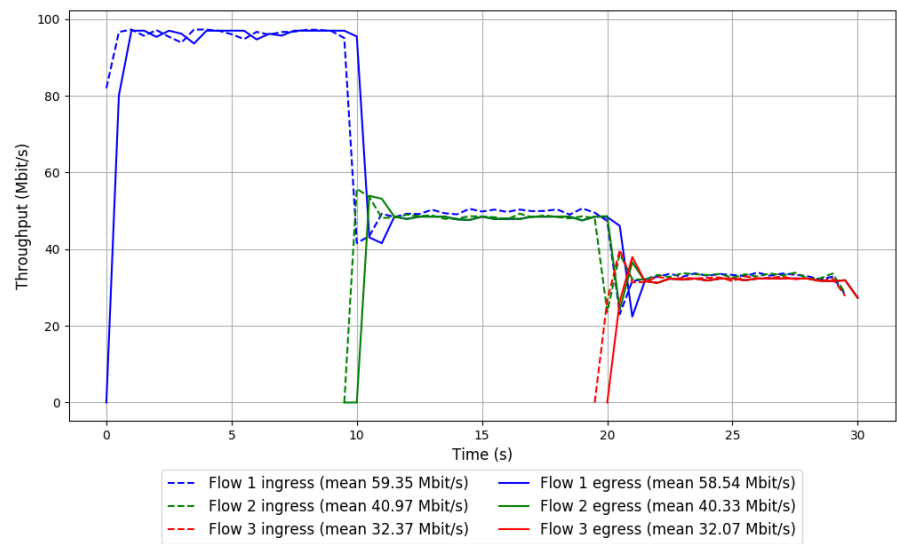


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-10 02:24:22
End at: 2018-08-10 02:24:52
Local clock offset: -3.761 ms
Remote clock offset: -1.219 ms

Below is generated by plot.py at 2018-08-10 04:43:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 26.470 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 58.54 Mbit/s
95th percentile per-packet one-way delay: 24.770 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 28.327 ms
Loss rate: 1.58%
-- Flow 3:
Average throughput: 32.07 Mbit/s
95th percentile per-packet one-way delay: 25.291 ms
Loss rate: 0.97%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-08-10 02:43:32

End at: 2018-08-10 02:44:02

Local clock offset: -2.792 ms

Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-10 04:43:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.11 Mbit/s

95th percentile per-packet one-way delay: 28.496 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 26.568 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 40.45 Mbit/s

95th percentile per-packet one-way delay: 30.032 ms

Loss rate: 1.71%

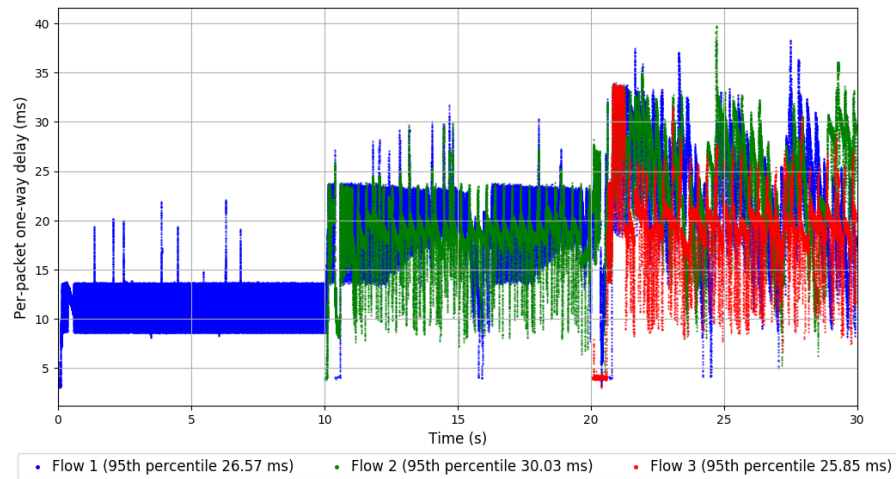
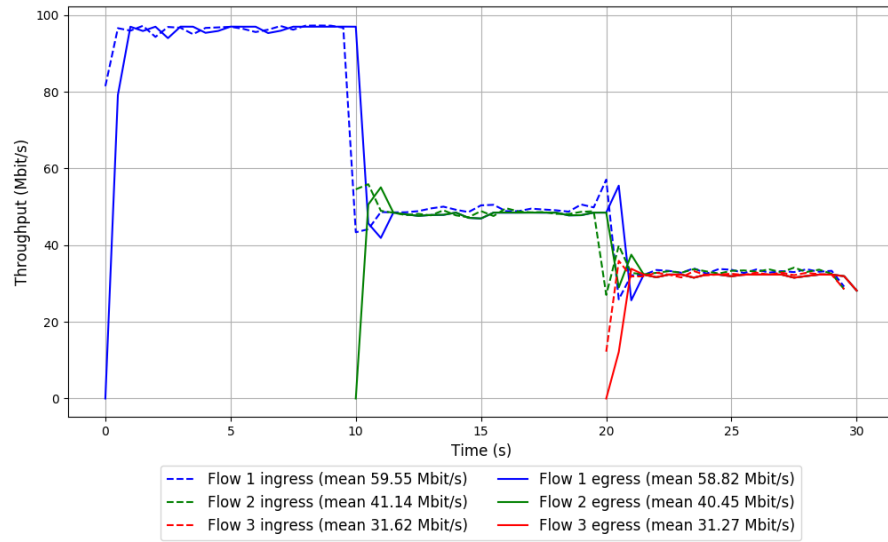
-- Flow 3:

Average throughput: 31.27 Mbit/s

95th percentile per-packet one-way delay: 25.853 ms

Loss rate: 1.12%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-08-10 03:02:41

End at: 2018-08-10 03:03:11

Local clock offset: -5.259 ms

Remote clock offset: 0.489 ms

Below is generated by plot.py at 2018-08-10 04:43:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 25.722 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 59.15 Mbit/s

95th percentile per-packet one-way delay: 24.264 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 39.46 Mbit/s

95th percentile per-packet one-way delay: 27.266 ms

Loss rate: 1.63%

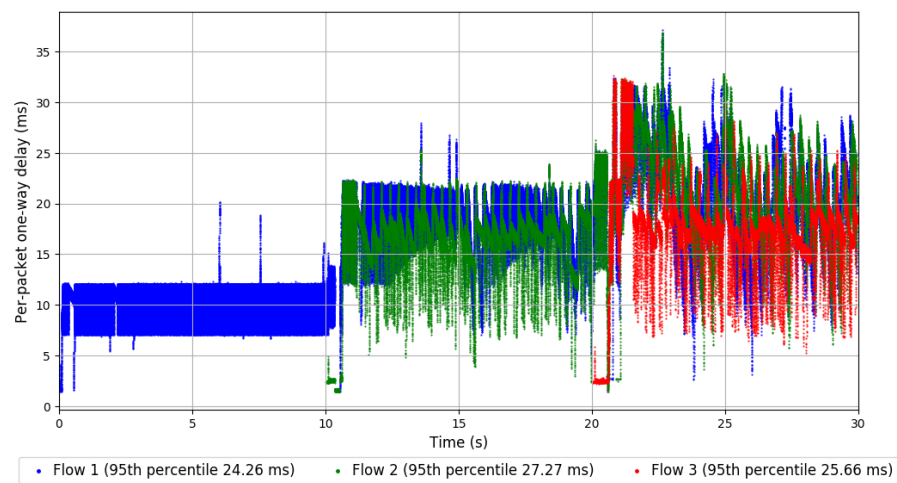
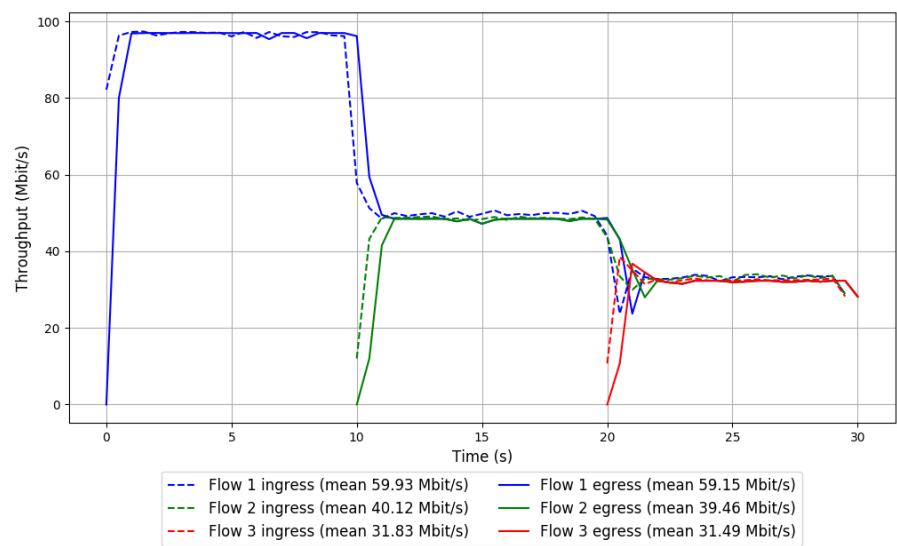
-- Flow 3:

Average throughput: 31.49 Mbit/s

95th percentile per-packet one-way delay: 25.658 ms

Loss rate: 1.10%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-08-10 03:21:52

End at: 2018-08-10 03:22:22

Local clock offset: -5.414 ms

Remote clock offset: 1.013 ms

Below is generated by plot.py at 2018-08-10 04:44:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.68 Mbit/s

95th percentile per-packet one-way delay: 25.047 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 24.518 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 25.628 ms

Loss rate: 1.42%

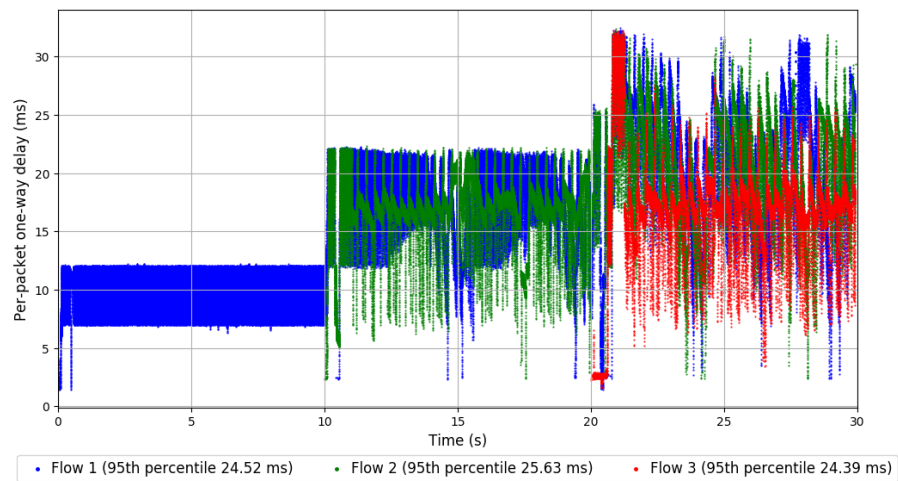
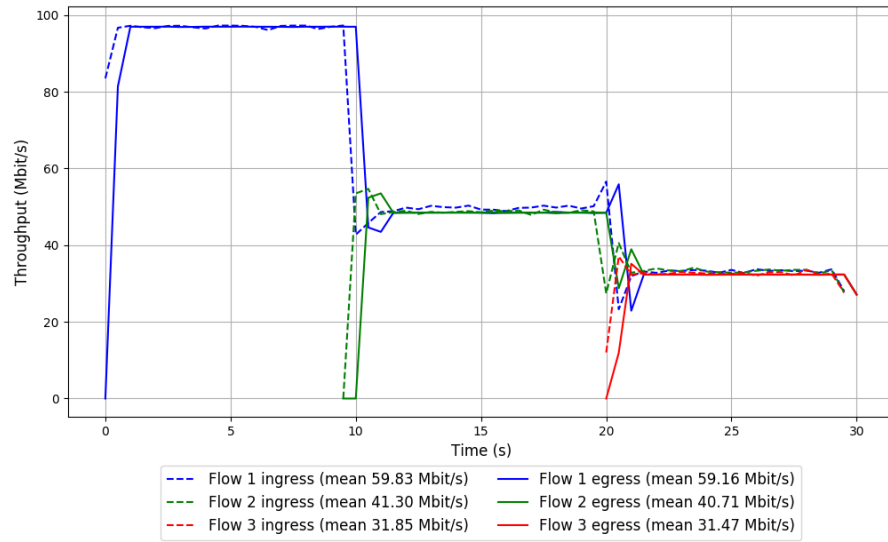
-- Flow 3:

Average throughput: 31.47 Mbit/s

95th percentile per-packet one-way delay: 24.387 ms

Loss rate: 1.22%

Run 7: Report of FillP-Sheep — Data Link

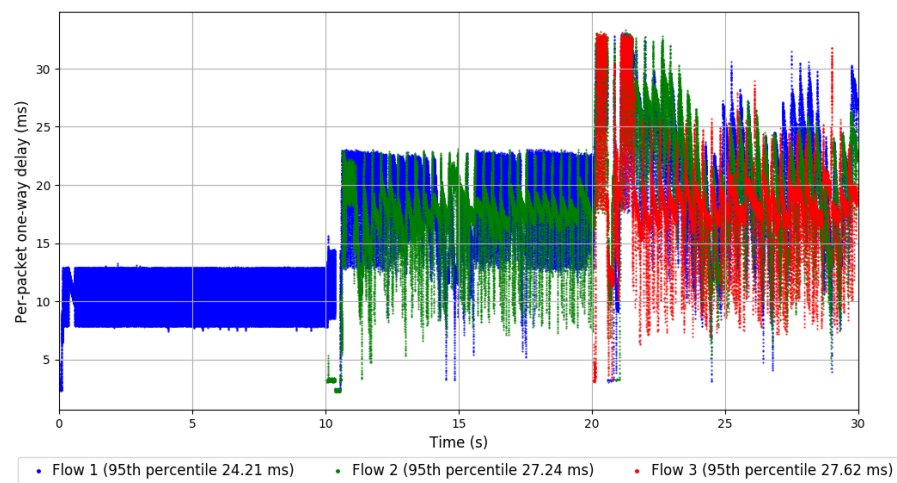
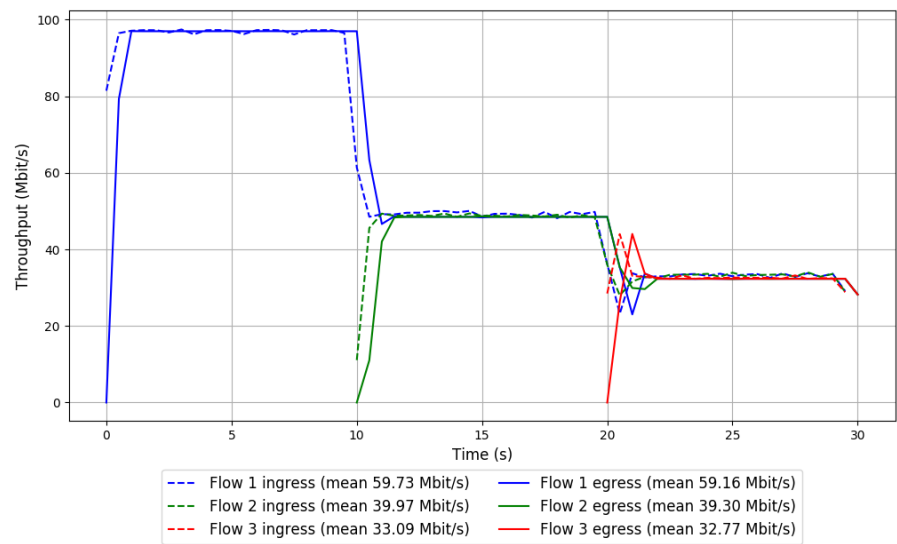


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-10 03:41:01
End at: 2018-08-10 03:41:31
Local clock offset: -4.487 ms
Remote clock offset: -2.882 ms

Below is generated by plot.py at 2018-08-10 04:44:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 25.737 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 24.208 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 39.30 Mbit/s
95th percentile per-packet one-way delay: 27.240 ms
Loss rate: 1.68%
-- Flow 3:
Average throughput: 32.77 Mbit/s
95th percentile per-packet one-way delay: 27.619 ms
Loss rate: 1.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-10 04:00:11

End at: 2018-08-10 04:00:41

Local clock offset: -3.532 ms

Remote clock offset: -4.61 ms

Below is generated by plot.py at 2018-08-10 04:44:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.13 Mbit/s

95th percentile per-packet one-way delay: 26.910 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 59.27 Mbit/s

95th percentile per-packet one-way delay: 25.925 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 28.582 ms

Loss rate: 1.49%

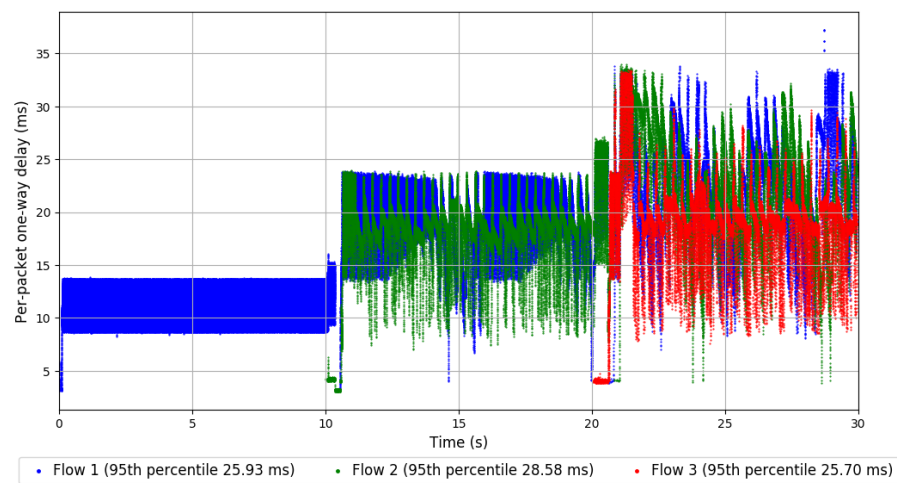
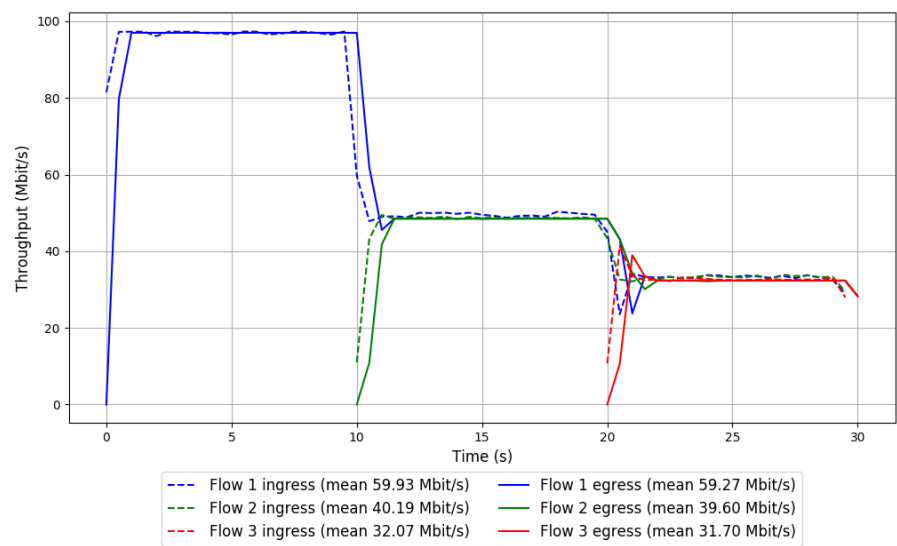
-- Flow 3:

Average throughput: 31.70 Mbit/s

95th percentile per-packet one-way delay: 25.701 ms

Loss rate: 1.17%

Run 9: Report of FillP-Sheep — Data Link

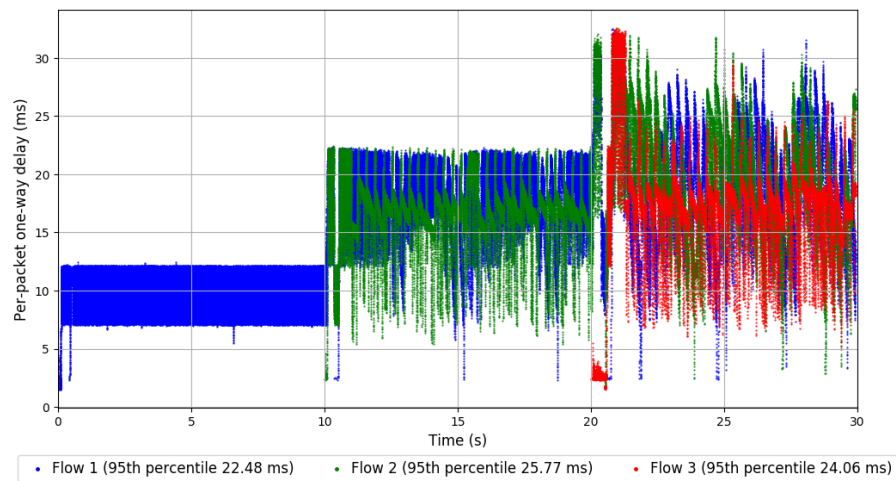
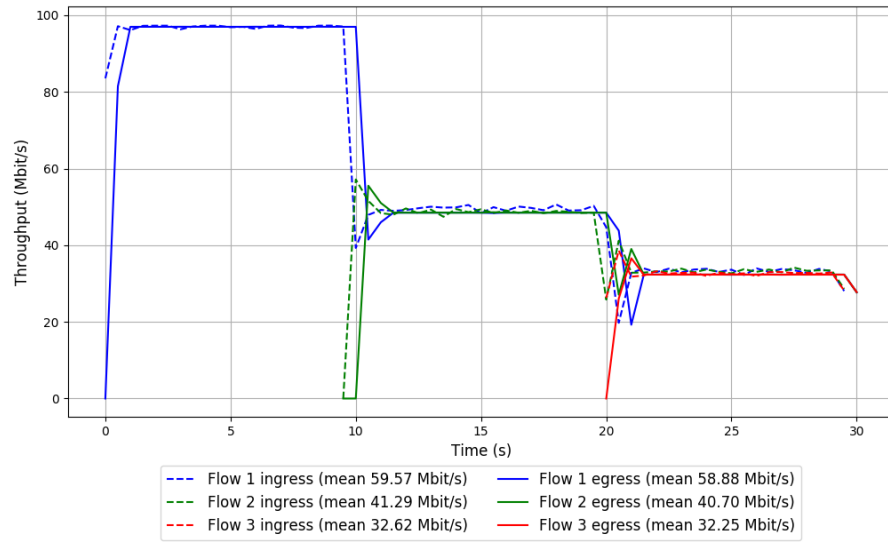


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-10 04:19:21
End at: 2018-08-10 04:19:51
Local clock offset: -5.085 ms
Remote clock offset: -3.697 ms

Below is generated by plot.py at 2018-08-10 04:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: 24.018 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 22.484 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 40.70 Mbit/s
95th percentile per-packet one-way delay: 25.770 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 32.25 Mbit/s
95th percentile per-packet one-way delay: 24.058 ms
Loss rate: 1.11%

Run 10: Report of FillP-Sheep — Data Link

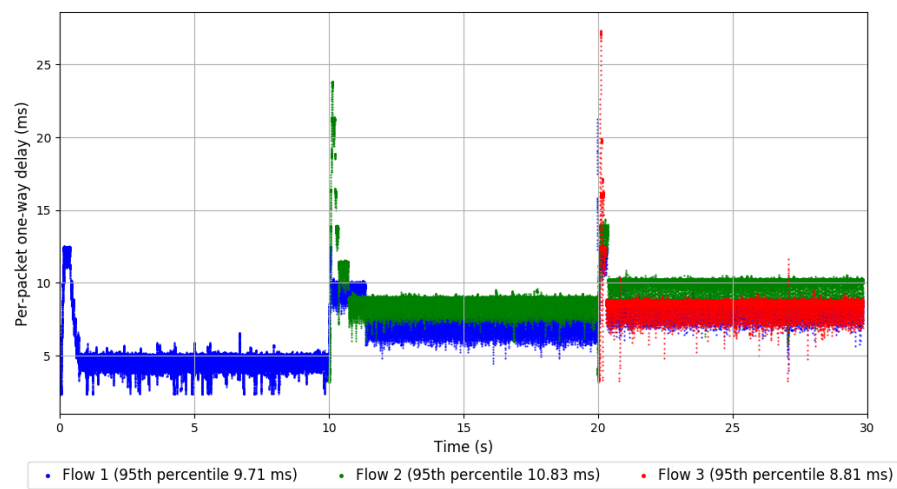
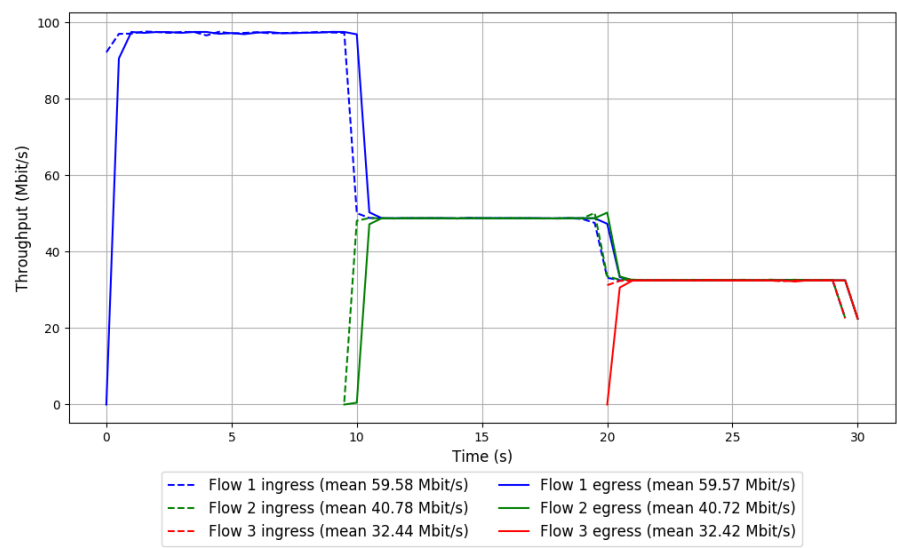


```
Run 1: Statistics of Indigo

Start at: 2018-08-10 01:25:43
End at: 2018-08-10 01:26:13
Local clock offset: -3.63 ms
Remote clock offset: -2.46 ms

# Below is generated by plot.py at 2018-08-10 04:44:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 10.189 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 9.713 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 10.829 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.42 Mbit/s
95th percentile per-packet one-way delay: 8.812 ms
Loss rate: 0.11%
```

Run 1: Report of Indigo — Data Link

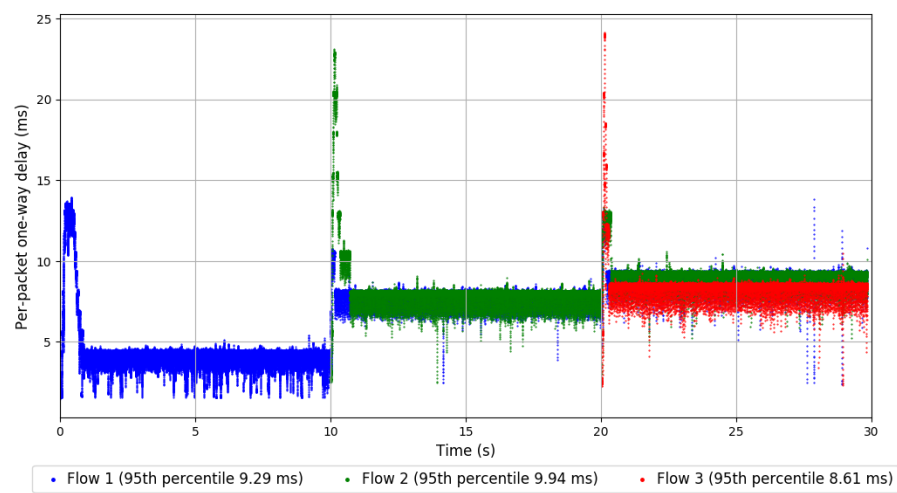
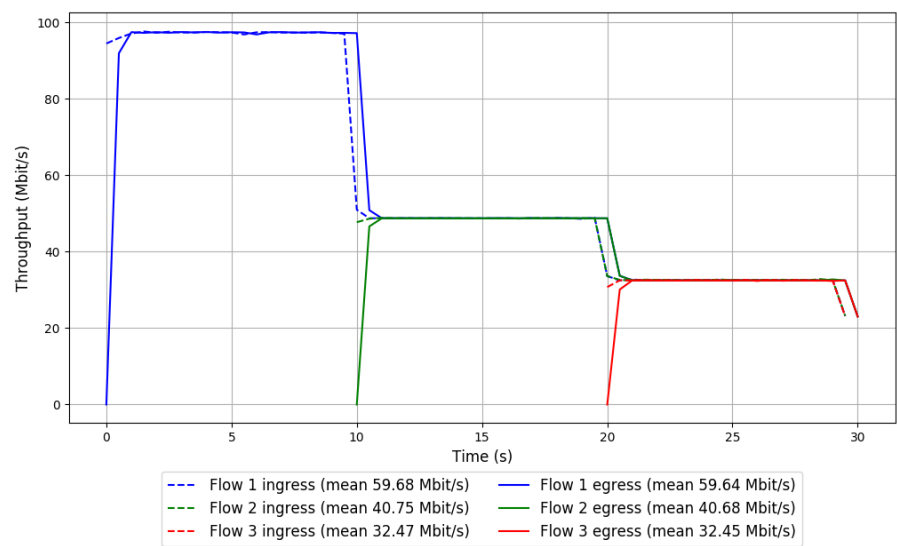


Run 2: Statistics of Indigo

Start at: 2018-08-10 01:44:53
End at: 2018-08-10 01:45:23
Local clock offset: -4.524 ms
Remote clock offset: -1.736 ms

Below is generated by plot.py at 2018-08-10 04:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 9.319 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.64 Mbit/s
95th percentile per-packet one-way delay: 9.295 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 9.942 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 8.610 ms
Loss rate: 0.12%

Run 2: Report of Indigo — Data Link

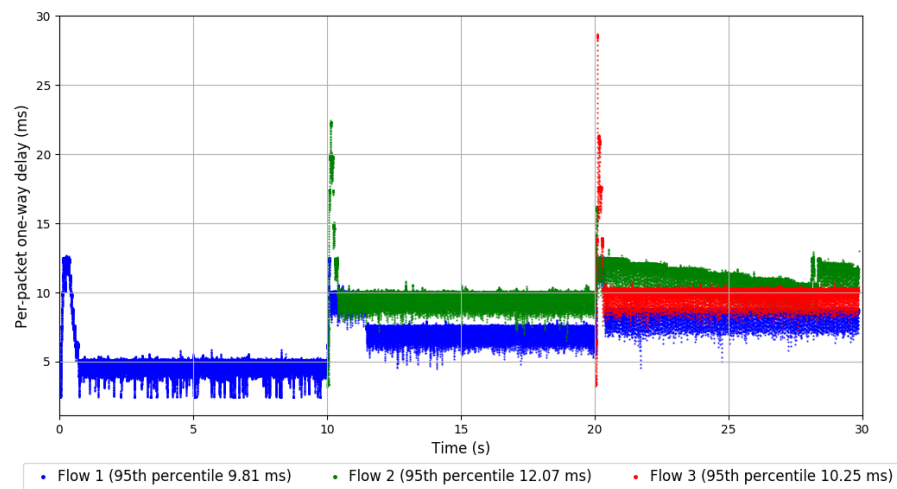
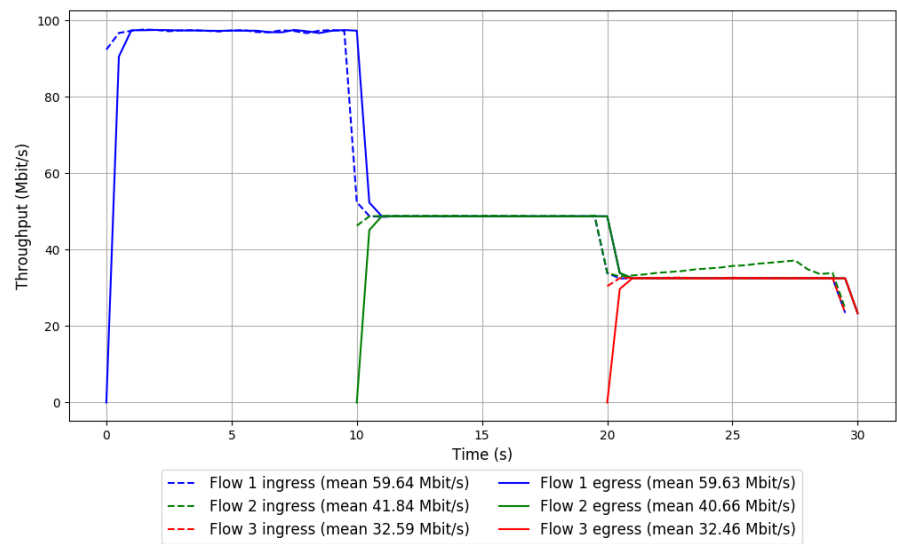


Run 3: Statistics of Indigo

Start at: 2018-08-10 02:04:04
End at: 2018-08-10 02:04:34
Local clock offset: -2.602 ms
Remote clock offset: -2.137 ms

Below is generated by plot.py at 2018-08-10 04:44:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 11.651 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 59.63 Mbit/s
95th percentile per-packet one-way delay: 9.811 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 12.068 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 10.252 ms
Loss rate: 0.42%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-10 02:23:13

End at: 2018-08-10 02:23:43

Local clock offset: -2.154 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at 2018-08-10 04:44:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 11.581 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 59.31 Mbit/s

95th percentile per-packet one-way delay: 11.237 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 40.41 Mbit/s

95th percentile per-packet one-way delay: 12.346 ms

Loss rate: 0.16%

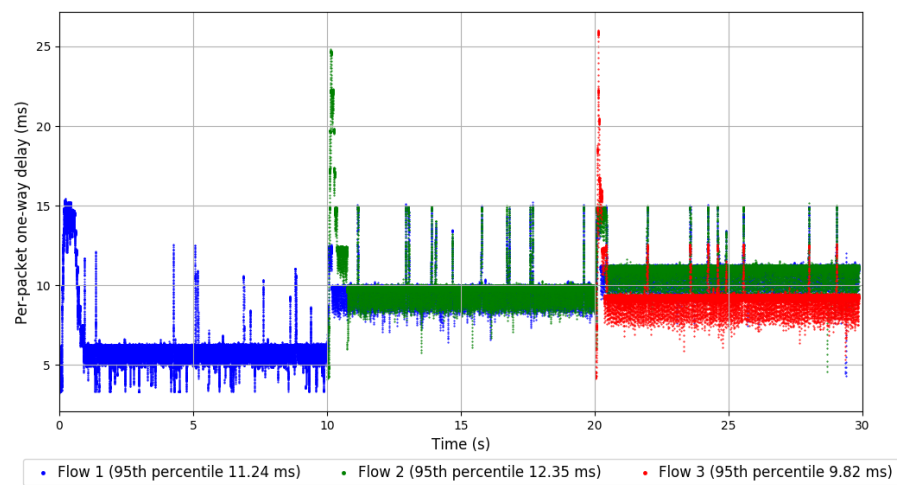
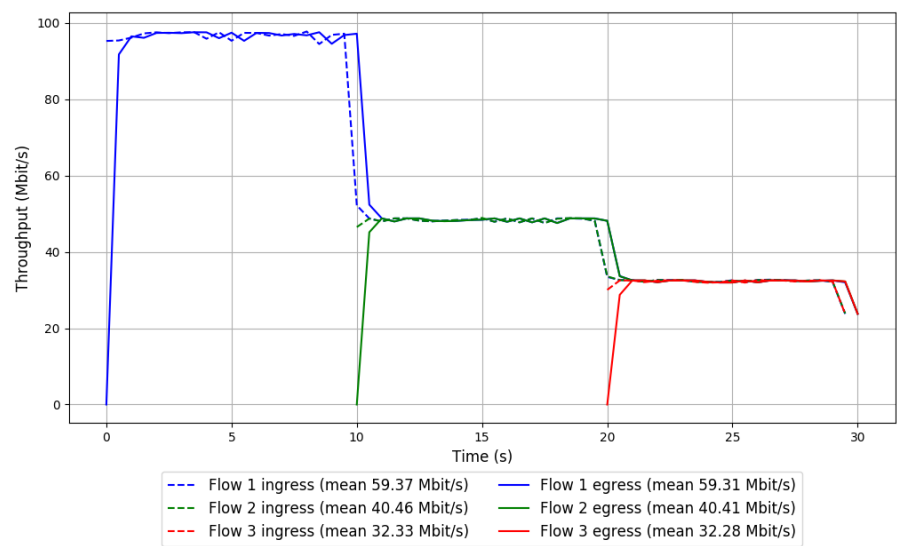
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 9.824 ms

Loss rate: 0.20%

Run 4: Report of Indigo — Data Link

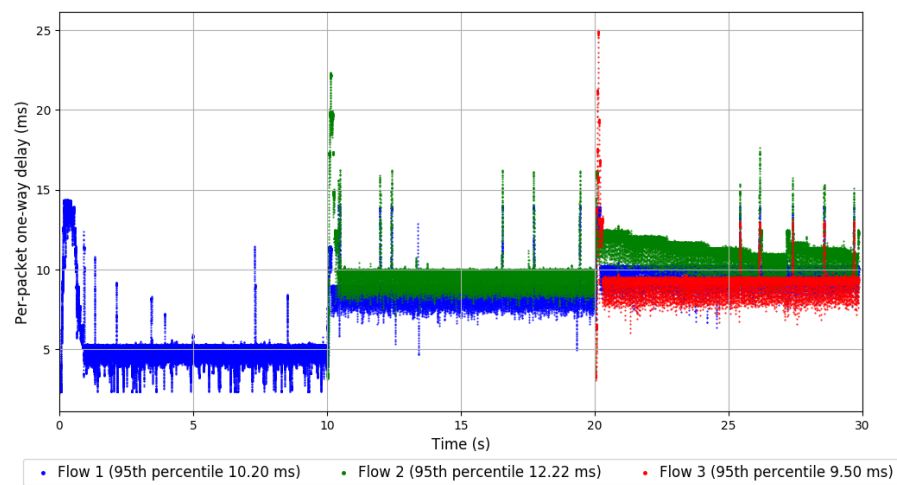
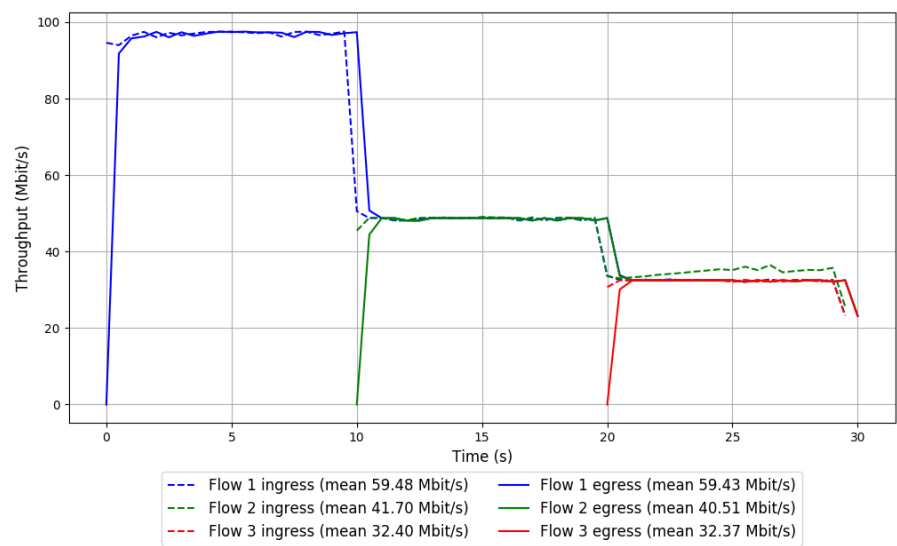


Run 5: Statistics of Indigo

Start at: 2018-08-10 02:42:23
End at: 2018-08-10 02:42:53
Local clock offset: -3.554 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-10 04:45:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.03 Mbit/s
95th percentile per-packet one-way delay: 11.758 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 59.43 Mbit/s
95th percentile per-packet one-way delay: 10.195 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 12.223 ms
Loss rate: 2.89%
-- Flow 3:
Average throughput: 32.37 Mbit/s
95th percentile per-packet one-way delay: 9.498 ms
Loss rate: 0.11%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-08-10 03:01:32

End at: 2018-08-10 03:02:02

Local clock offset: -5.257 ms

Remote clock offset: 0.474 ms

Below is generated by plot.py at 2018-08-10 04:45:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 10.957 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 9.394 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 11.374 ms

Loss rate: 0.40%

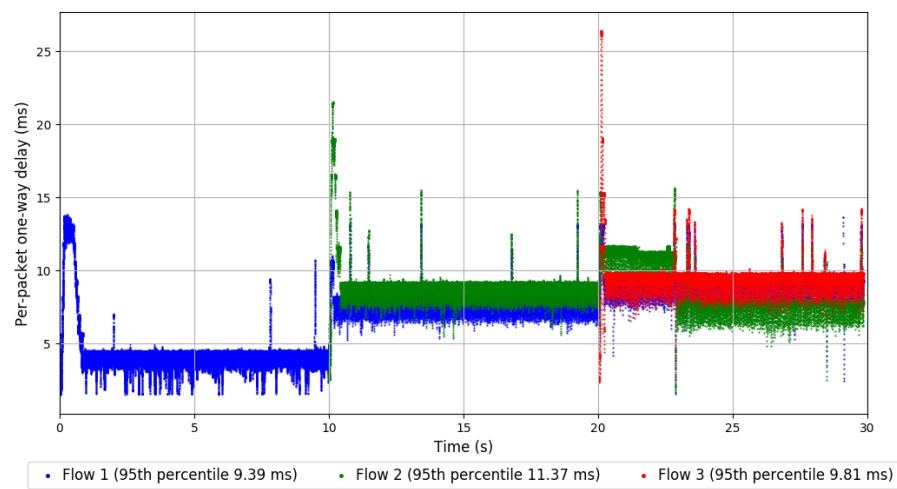
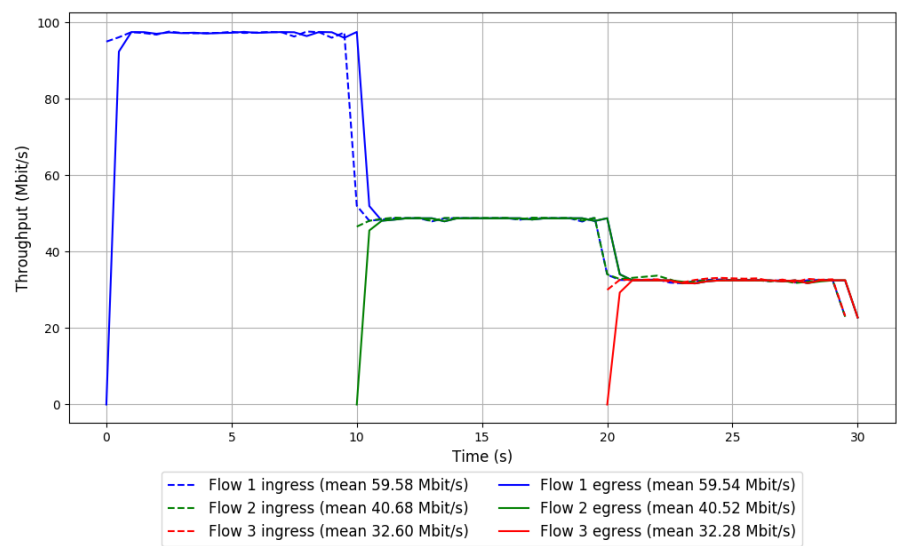
-- Flow 3:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 9.815 ms

Loss rate: 1.05%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-10 03:20:43

End at: 2018-08-10 03:21:13

Local clock offset: -4.605 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-08-10 04:45:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.36 Mbit/s

95th percentile per-packet one-way delay: 11.711 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 59.65 Mbit/s

95th percentile per-packet one-way delay: 9.723 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 12.102 ms

Loss rate: 2.28%

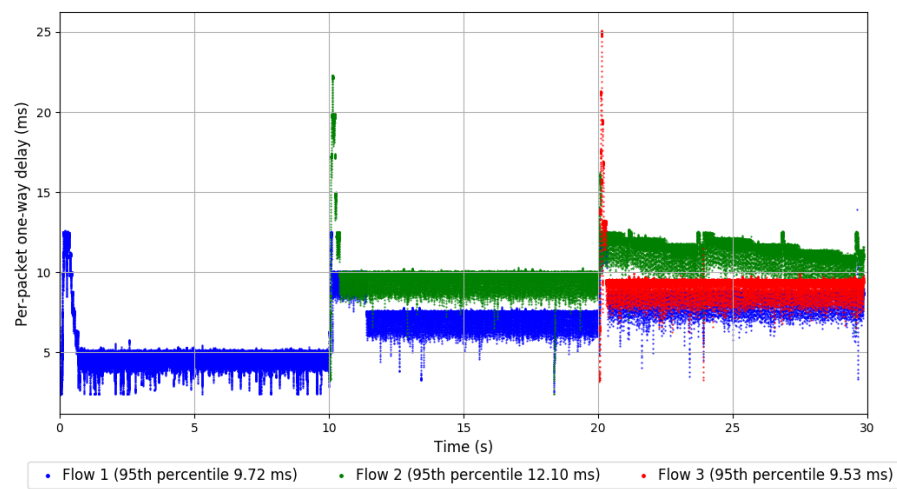
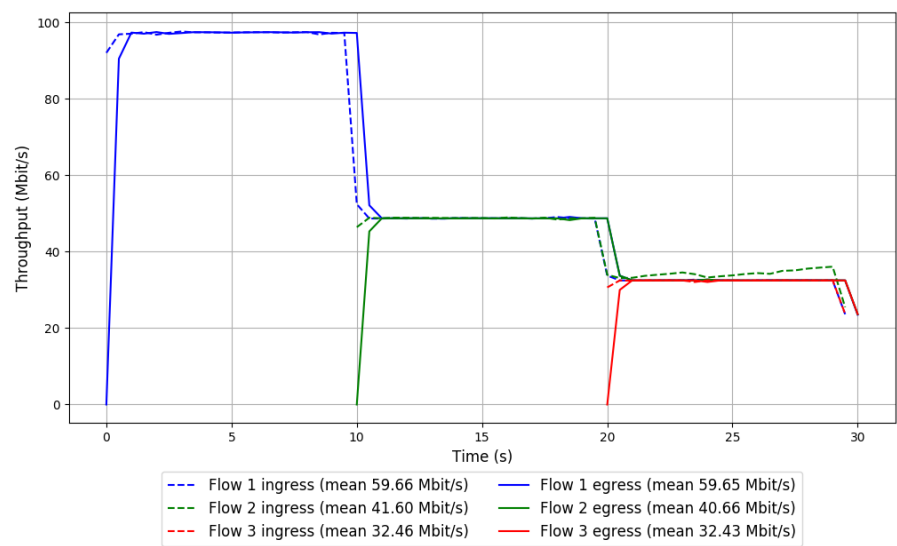
-- Flow 3:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 9.525 ms

Loss rate: 0.11%

Run 7: Report of Indigo — Data Link

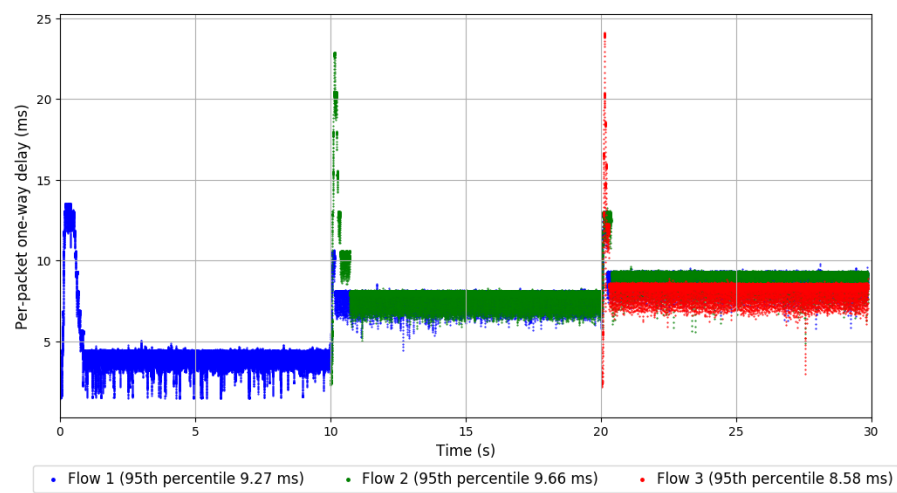
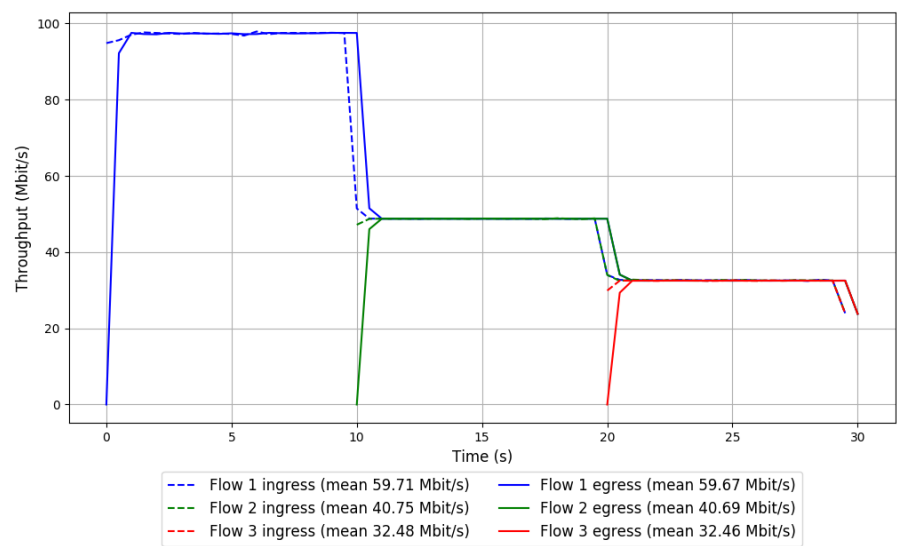


Run 8: Statistics of Indigo

Start at: 2018-08-10 03:39:52
End at: 2018-08-10 03:40:22
Local clock offset: -5.336 ms
Remote clock offset: -2.683 ms

Below is generated by plot.py at 2018-08-10 04:45:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 9.293 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 59.67 Mbit/s
95th percentile per-packet one-way delay: 9.272 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.69 Mbit/s
95th percentile per-packet one-way delay: 9.656 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 8.576 ms
Loss rate: 0.11%

Run 8: Report of Indigo — Data Link

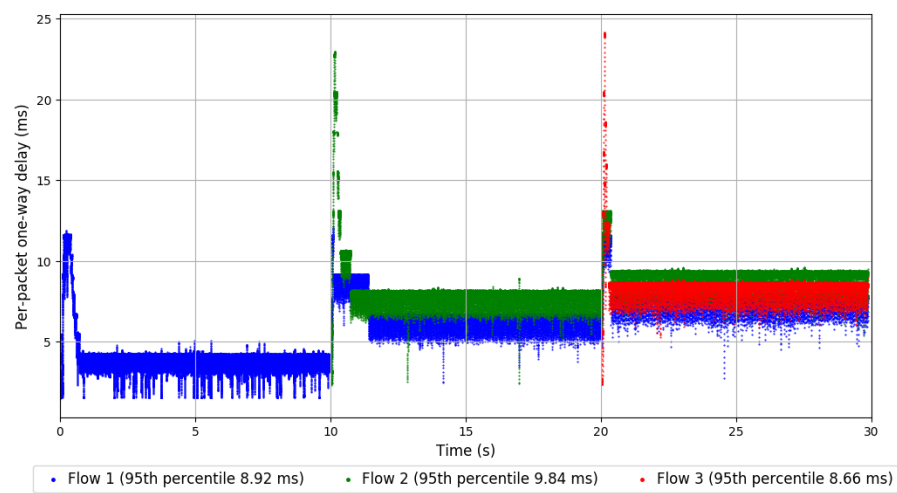
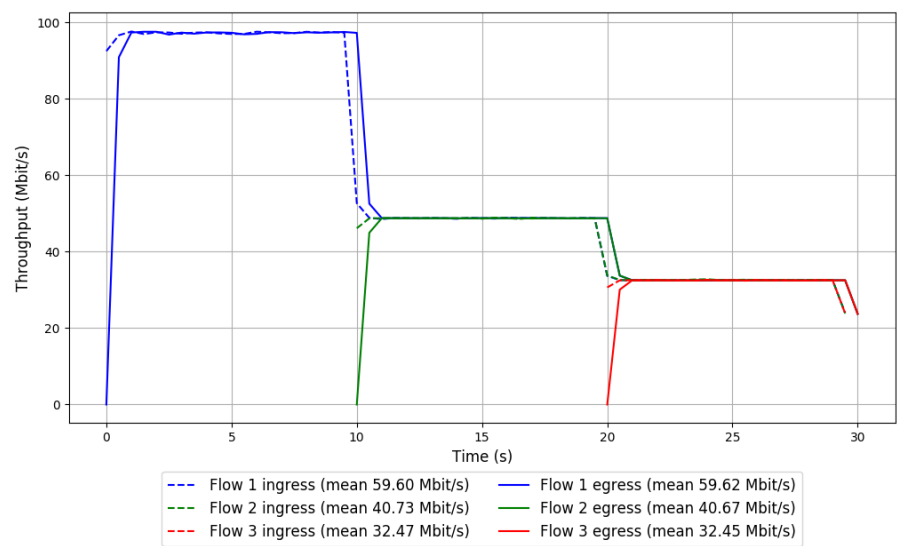


Run 9: Statistics of Indigo

Start at: 2018-08-10 03:59:02
End at: 2018-08-10 03:59:32
Local clock offset: -5.096 ms
Remote clock offset: -4.449 ms

Below is generated by plot.py at 2018-08-10 04:45:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.33 Mbit/s
95th percentile per-packet one-way delay: 9.319 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 8.920 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 9.835 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 8.657 ms
Loss rate: 0.11%

Run 9: Report of Indigo — Data Link

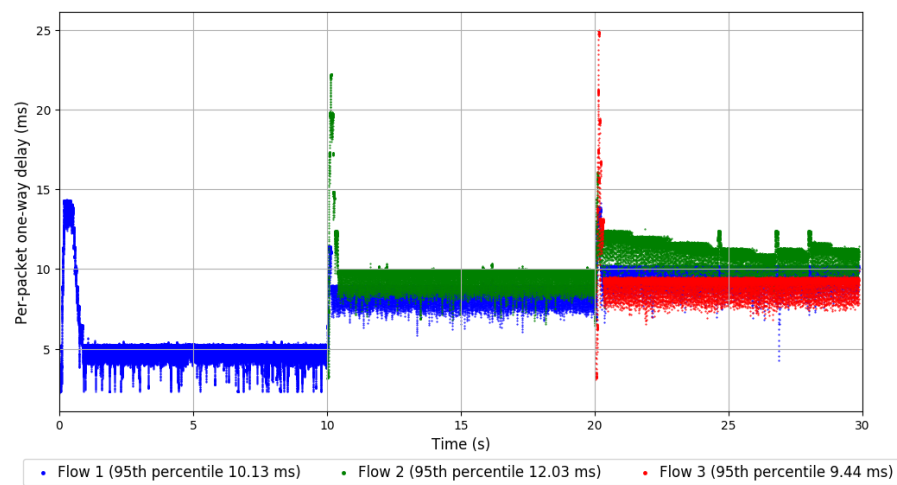
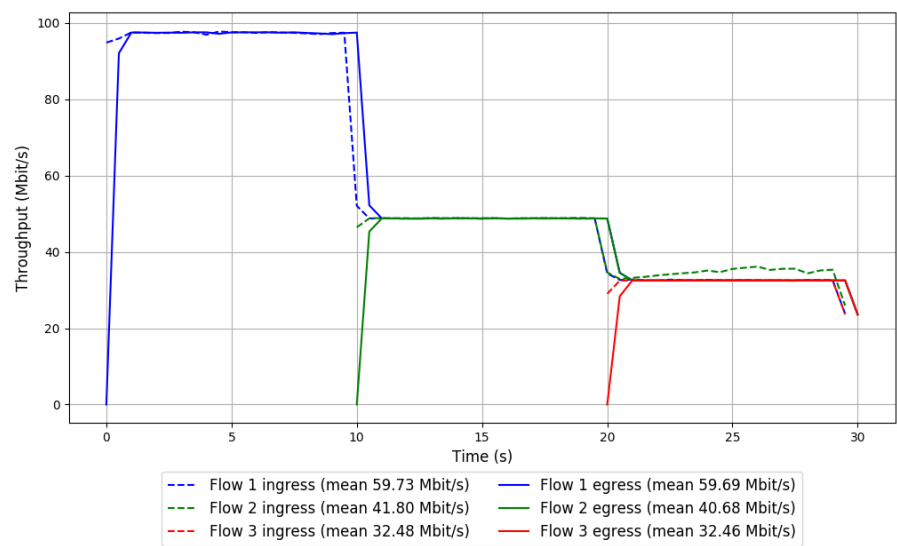


Run 10: Statistics of Indigo

Start at: 2018-08-10 04:18:13
End at: 2018-08-10 04:18:43
Local clock offset: -4.386 ms
Remote clock offset: -3.695 ms

Below is generated by plot.py at 2018-08-10 04:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 11.565 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 10.129 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.68 Mbit/s
95th percentile per-packet one-way delay: 12.025 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 32.46 Mbit/s
95th percentile per-packet one-way delay: 9.439 ms
Loss rate: 0.11%

Run 10: Report of Indigo — Data Link

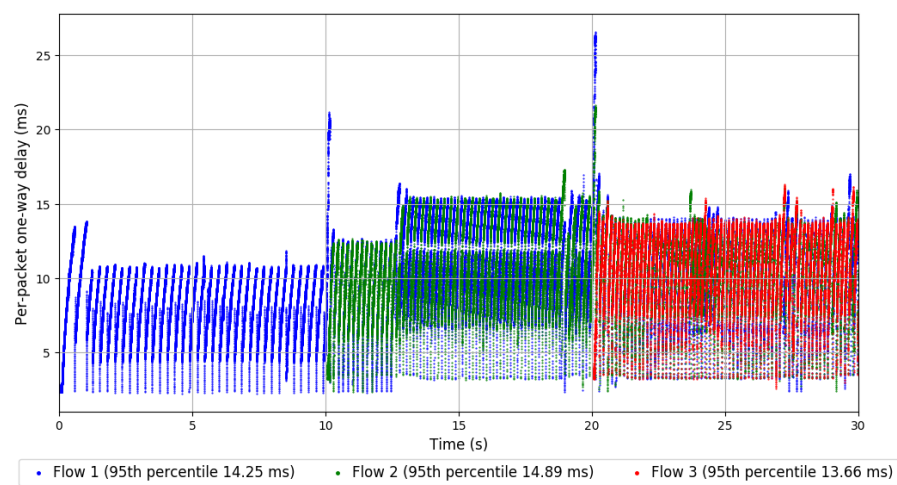
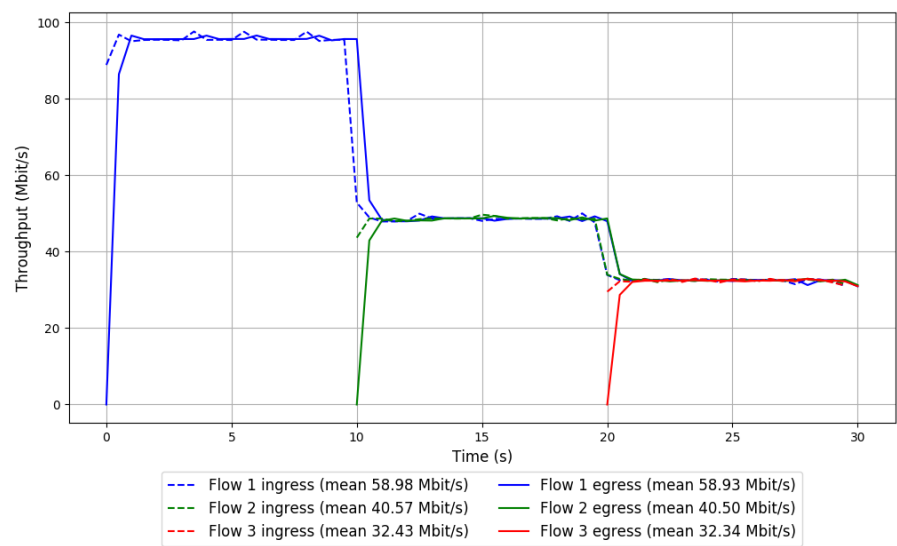


Run 1: Statistics of LEDBAT

Start at: 2018-08-10 01:22:23
End at: 2018-08-10 01:22:53
Local clock offset: -3.581 ms
Remote clock offset: -2.609 ms

Below is generated by plot.py at 2018-08-10 04:45:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.63 Mbit/s
95th percentile per-packet one-way delay: 14.499 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 58.93 Mbit/s
95th percentile per-packet one-way delay: 14.254 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 40.50 Mbit/s
95th percentile per-packet one-way delay: 14.890 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.34 Mbit/s
95th percentile per-packet one-way delay: 13.663 ms
Loss rate: 0.34%

Run 1: Report of LEDBAT — Data Link

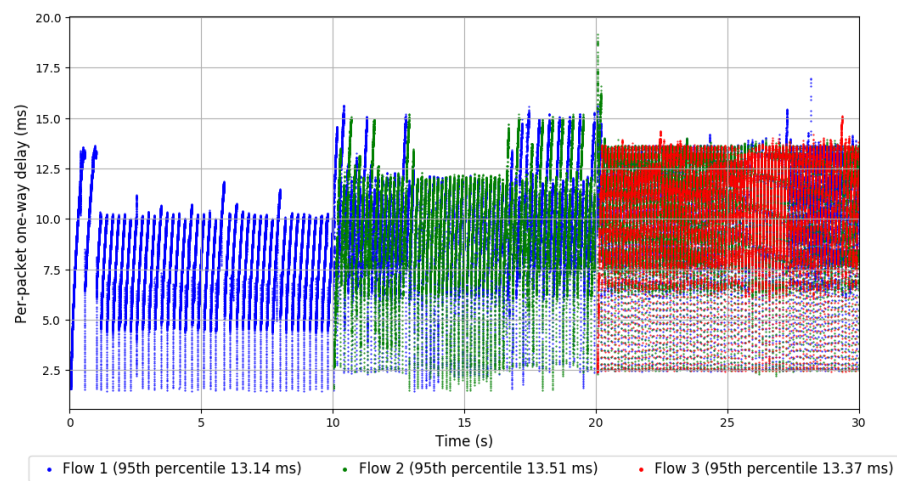
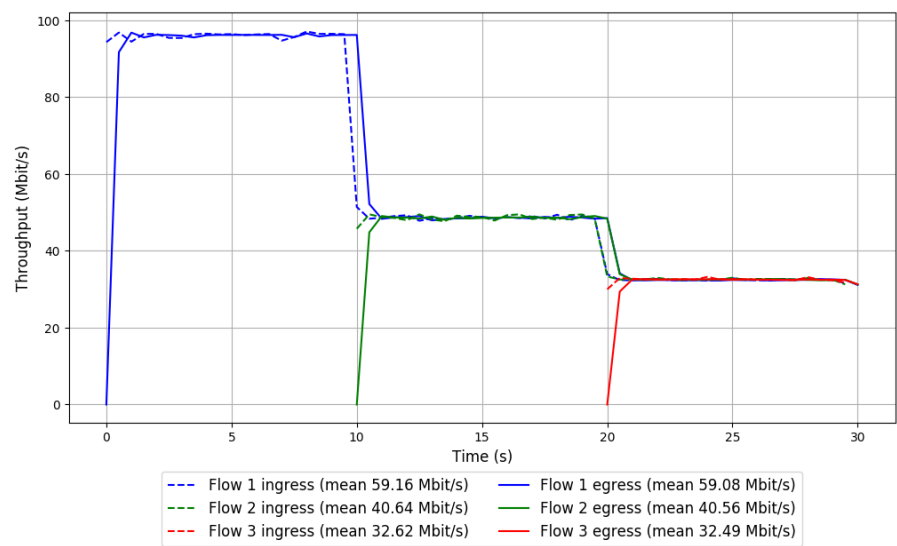


Run 2: Statistics of LEDBAT

Start at: 2018-08-10 01:41:33
End at: 2018-08-10 01:42:03
Local clock offset: -4.503 ms
Remote clock offset: -1.874 ms

Below is generated by plot.py at 2018-08-10 04:45:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.87 Mbit/s
95th percentile per-packet one-way delay: 13.251 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 13.138 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 13.511 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.49 Mbit/s
95th percentile per-packet one-way delay: 13.374 ms
Loss rate: 0.42%

Run 2: Report of LEDBAT — Data Link

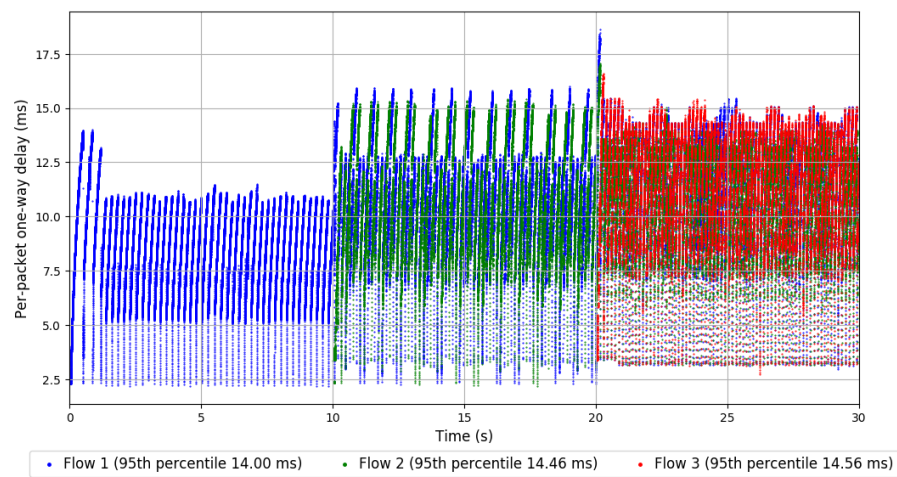
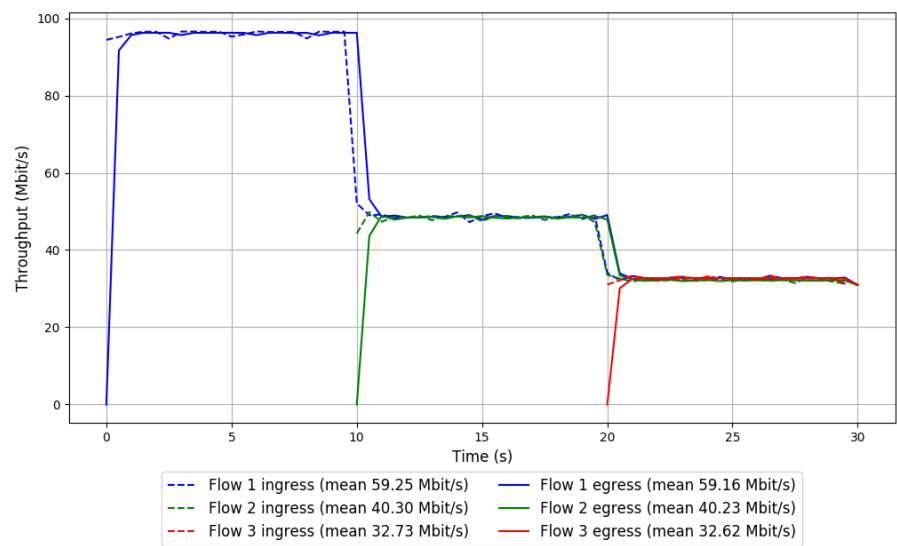


Run 3: Statistics of LEDBAT

Start at: 2018-08-10 02:00:44
End at: 2018-08-10 02:01:14
Local clock offset: -2.705 ms
Remote clock offset: -2.078 ms

Below is generated by plot.py at 2018-08-10 04:46:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.79 Mbit/s
95th percentile per-packet one-way delay: 14.284 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 13.998 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 14.455 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 14.565 ms
Loss rate: 0.40%

Run 3: Report of LEDBAT — Data Link

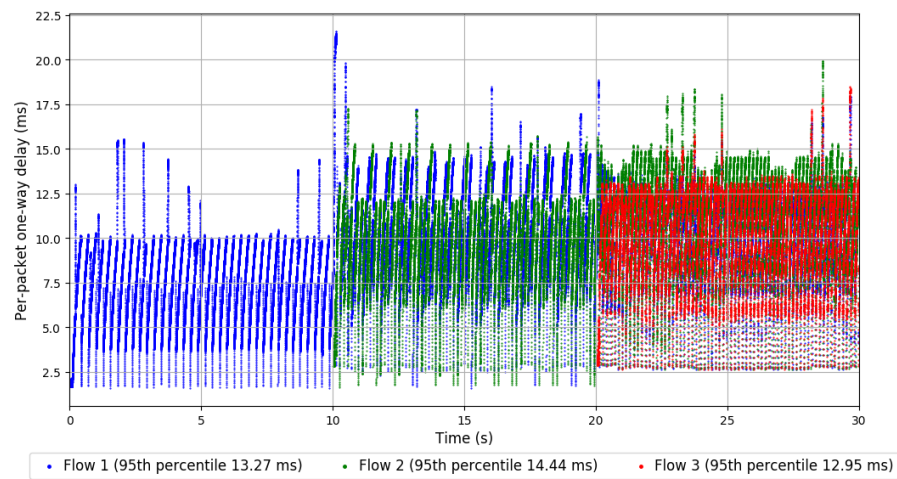
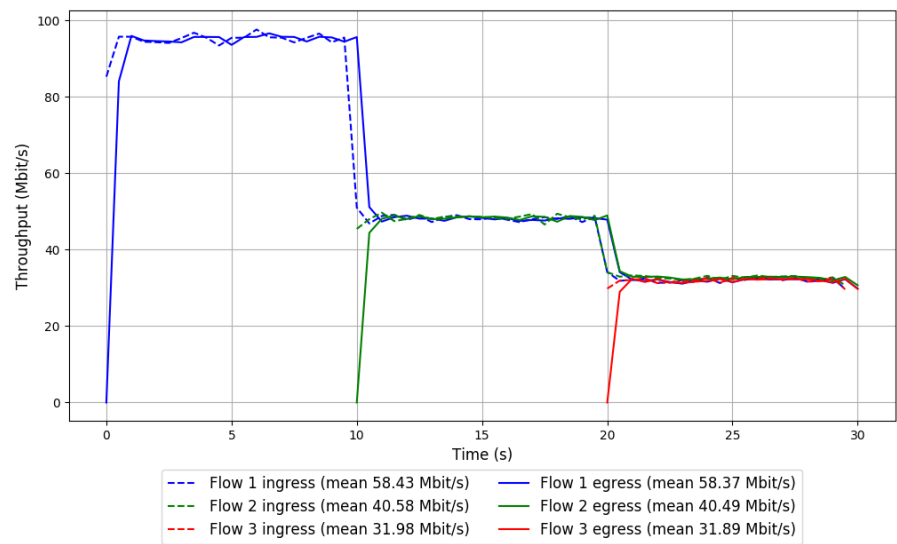


Run 4: Statistics of LEDBAT

Start at: 2018-08-10 02:19:53
End at: 2018-08-10 02:20:23
Local clock offset: -3.485 ms
Remote clock offset: -1.842 ms

Below is generated by plot.py at 2018-08-10 04:46:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 13.817 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 13.268 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.49 Mbit/s
95th percentile per-packet one-way delay: 14.439 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 12.945 ms
Loss rate: 0.35%

Run 4: Report of LEDBAT — Data Link

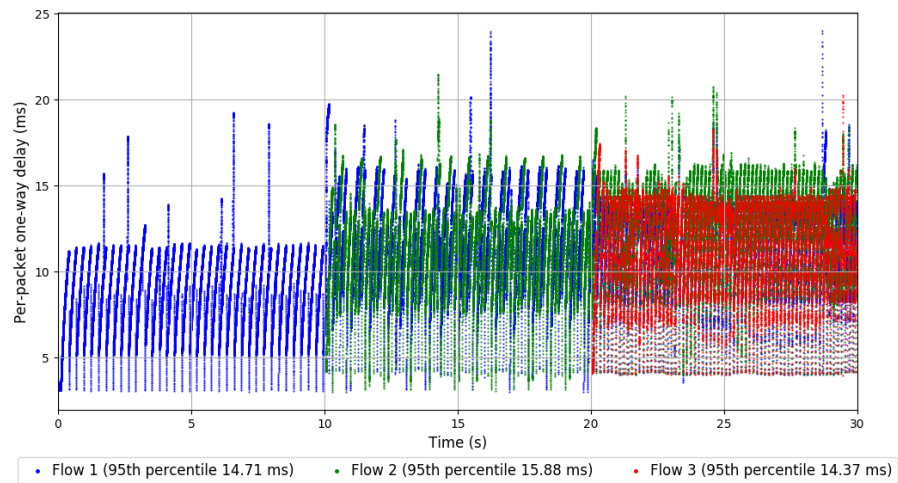
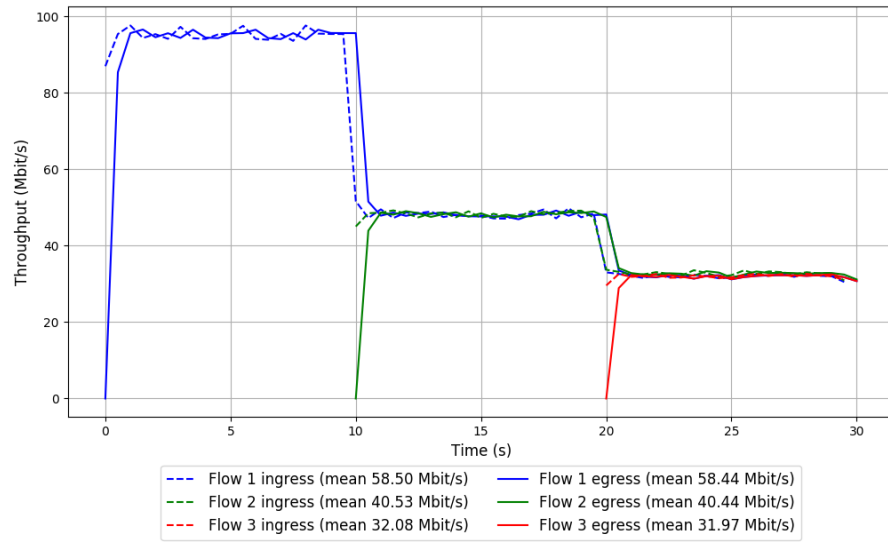


Run 5: Statistics of LEDBAT

Start at: 2018-08-10 02:39:03
End at: 2018-08-10 02:39:33
Local clock offset: -2.723 ms
Remote clock offset: -0.309 ms

Below is generated by plot.py at 2018-08-10 04:46:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 15.339 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 58.44 Mbit/s
95th percentile per-packet one-way delay: 14.705 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 15.879 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 31.97 Mbit/s
95th percentile per-packet one-way delay: 14.365 ms
Loss rate: 0.39%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-08-10 02:58:12

End at: 2018-08-10 02:58:42

Local clock offset: -4.315 ms

Remote clock offset: 0.381 ms

Below is generated by plot.py at 2018-08-10 04:46:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.34 Mbit/s

95th percentile per-packet one-way delay: 14.660 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 58.73 Mbit/s

95th percentile per-packet one-way delay: 14.472 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 40.37 Mbit/s

95th percentile per-packet one-way delay: 14.919 ms

Loss rate: 0.20%

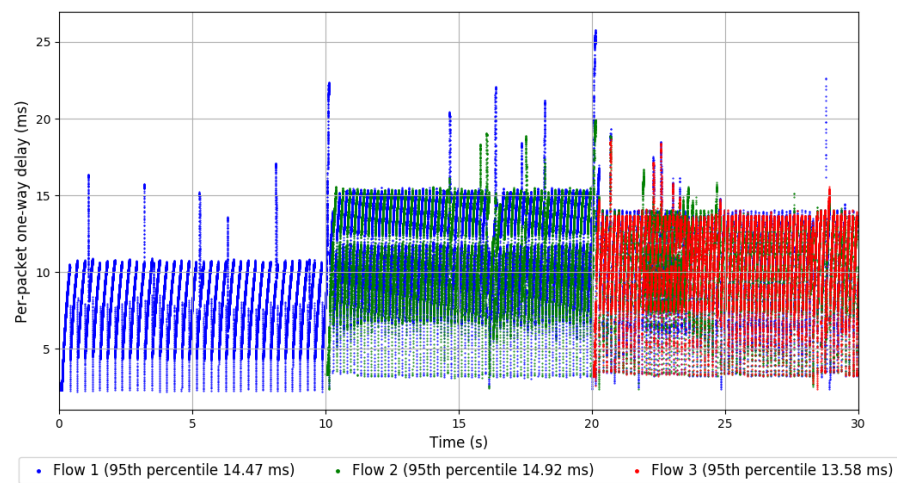
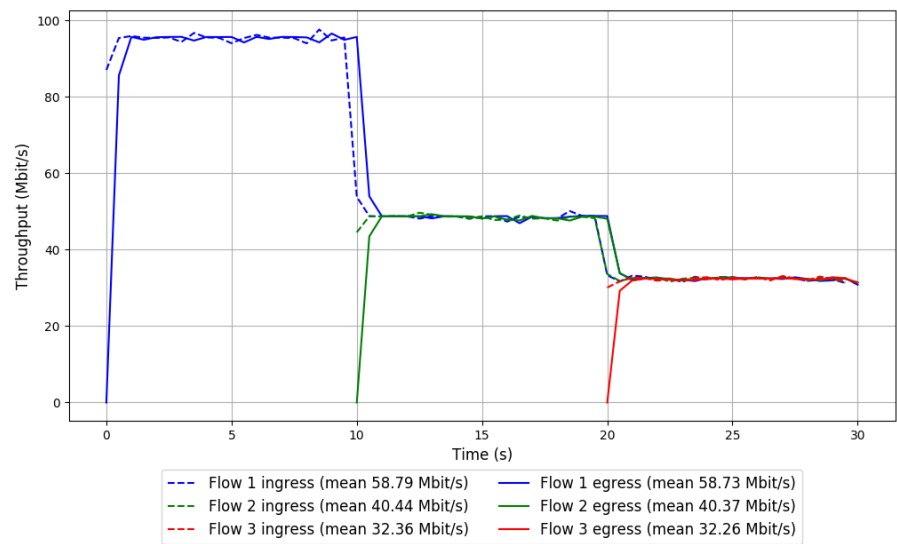
-- Flow 3:

Average throughput: 32.26 Mbit/s

95th percentile per-packet one-way delay: 13.578 ms

Loss rate: 0.36%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-08-10 03:17:23

End at: 2018-08-10 03:17:53

Local clock offset: -5.453 ms

Remote clock offset: 0.871 ms

Below is generated by plot.py at 2018-08-10 04:46:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.78 Mbit/s

95th percentile per-packet one-way delay: 13.677 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 13.416 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 14.105 ms

Loss rate: 0.20%

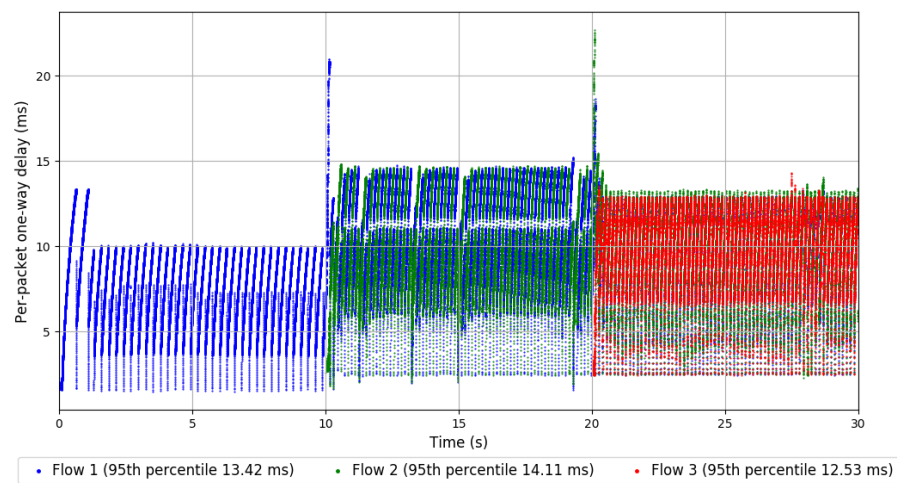
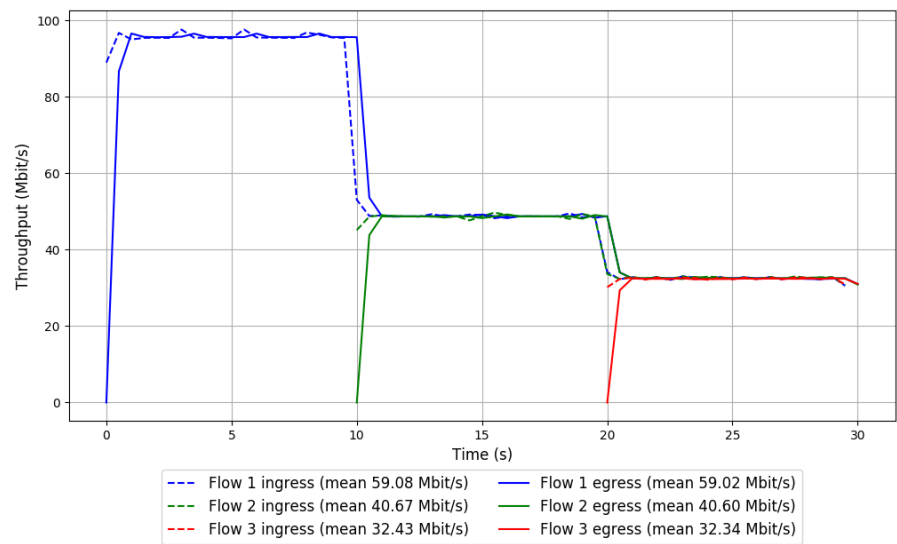
-- Flow 3:

Average throughput: 32.34 Mbit/s

95th percentile per-packet one-way delay: 12.529 ms

Loss rate: 0.33%

Run 7: Report of LEDBAT — Data Link

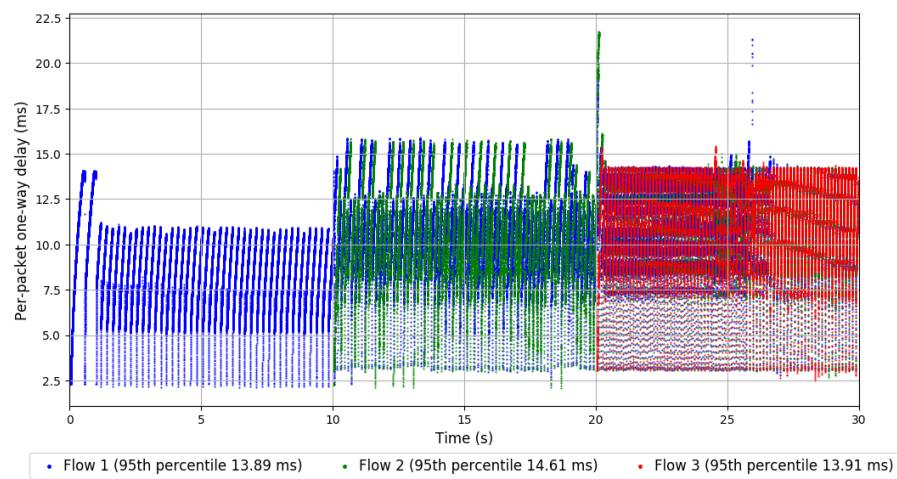
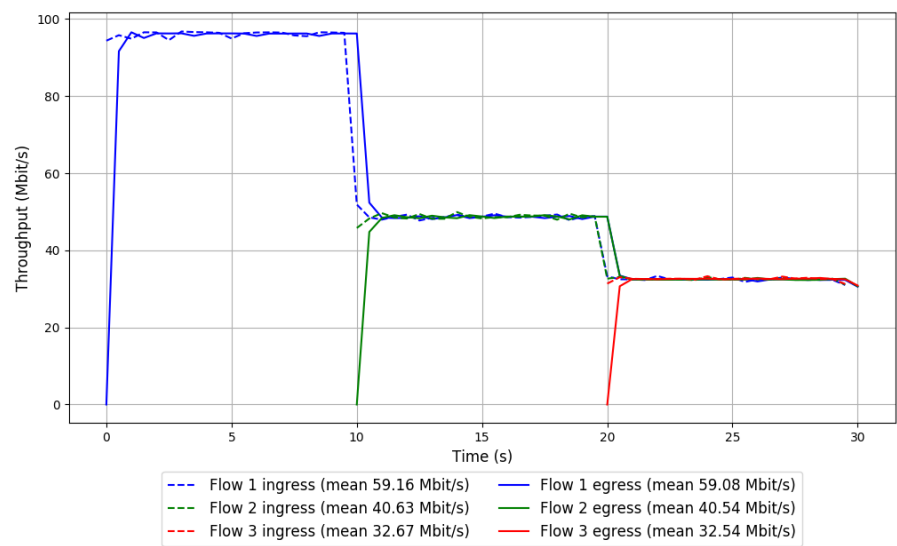


Run 8: Statistics of LEDBAT

Start at: 2018-08-10 03:36:32
End at: 2018-08-10 03:37:02
Local clock offset: -4.545 ms
Remote clock offset: -2.083 ms

Below is generated by plot.py at 2018-08-10 04:46:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.89 Mbit/s
95th percentile per-packet one-way delay: 14.053 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 13.895 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 14.614 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 13.909 ms
Loss rate: 0.43%

Run 8: Report of LEDBAT — Data Link

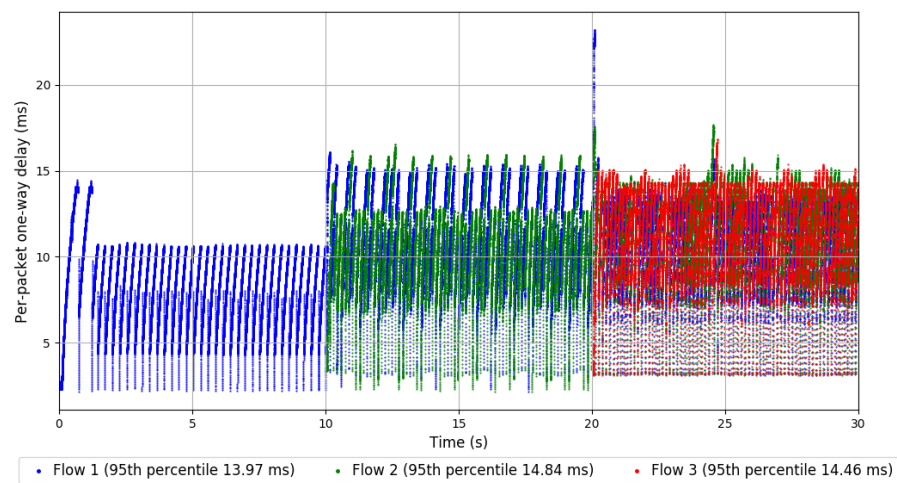
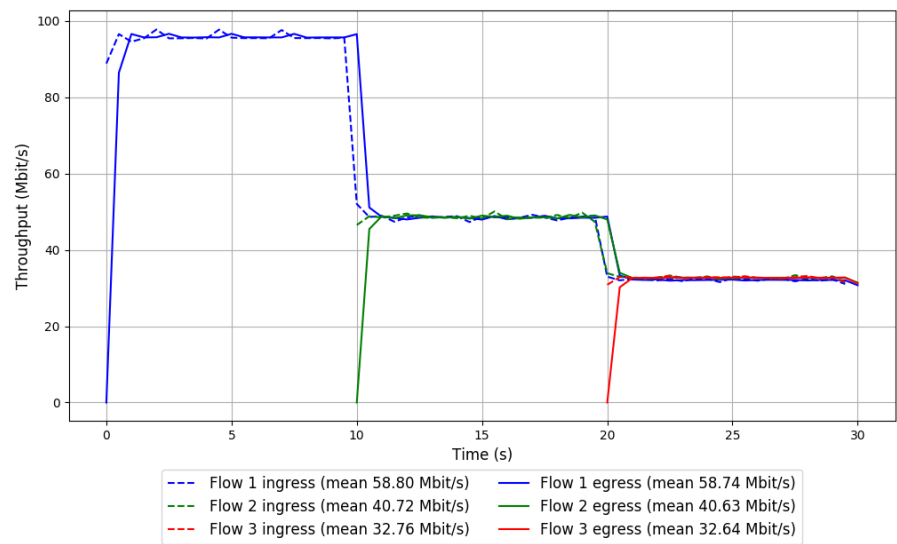


Run 9: Statistics of LEDBAT

Start at: 2018-08-10 03:55:43
End at: 2018-08-10 03:56:13
Local clock offset: -4.396 ms
Remote clock offset: -4.297 ms

Below is generated by plot.py at 2018-08-10 04:47:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: 14.332 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 58.74 Mbit/s
95th percentile per-packet one-way delay: 13.975 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 14.844 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 14.460 ms
Loss rate: 0.42%

Run 9: Report of LEDBAT — Data Link

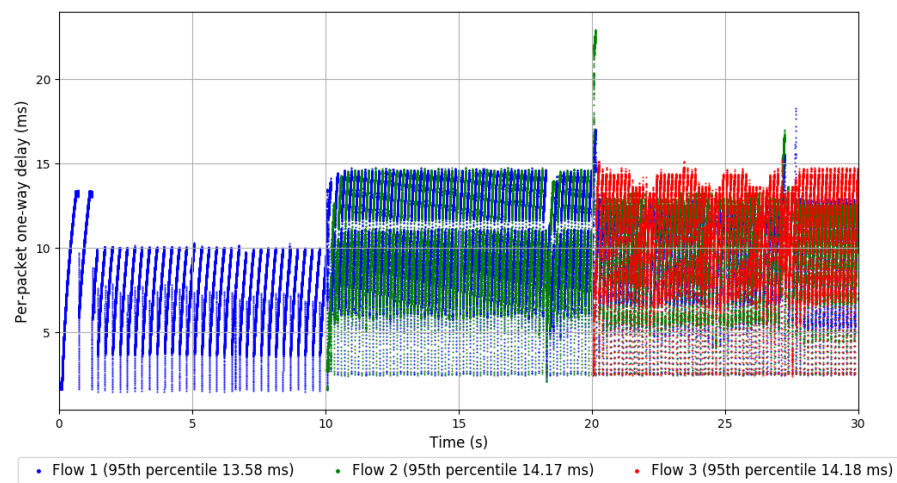
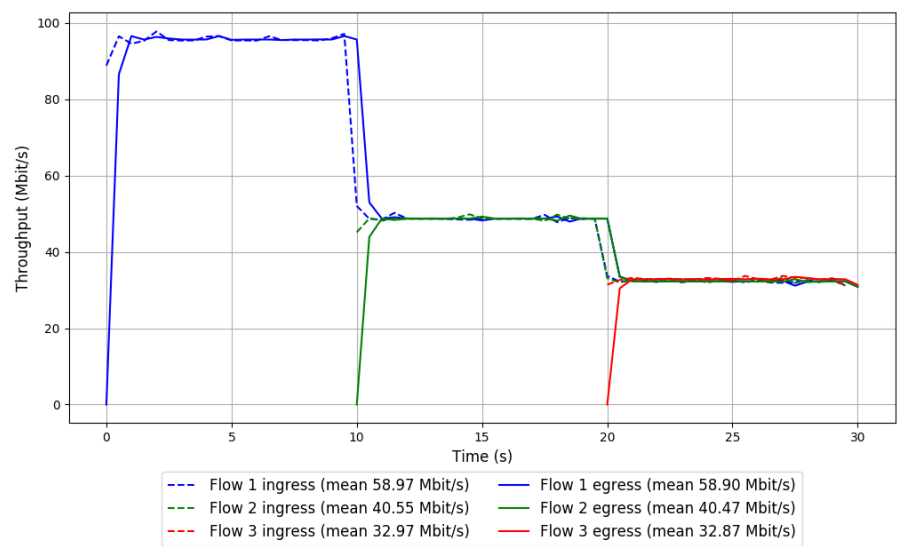


Run 10: Statistics of LEDBAT

Start at: 2018-08-10 04:14:53
End at: 2018-08-10 04:15:23
Local clock offset: -5.079 ms
Remote clock offset: -3.712 ms

Below is generated by plot.py at 2018-08-10 04:47:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 13.962 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 58.90 Mbit/s
95th percentile per-packet one-way delay: 13.578 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 14.168 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 32.87 Mbit/s
95th percentile per-packet one-way delay: 14.180 ms
Loss rate: 0.34%

Run 10: Report of LEDBAT — Data Link

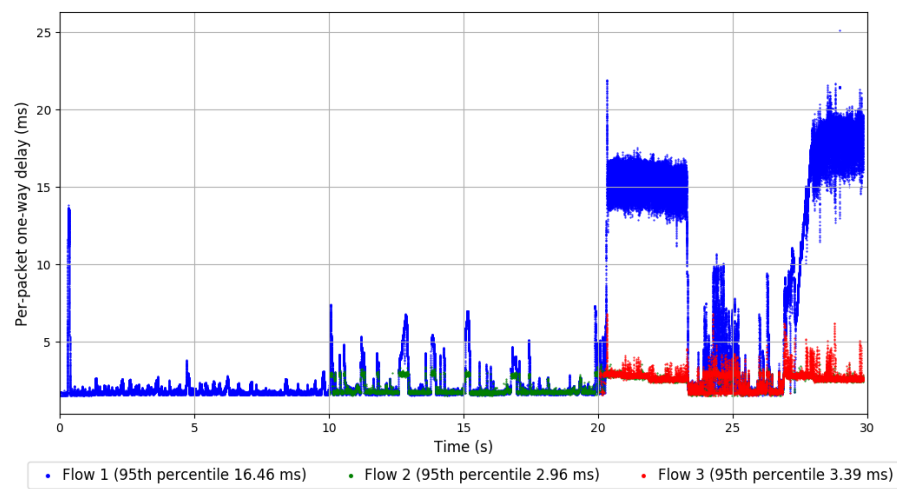
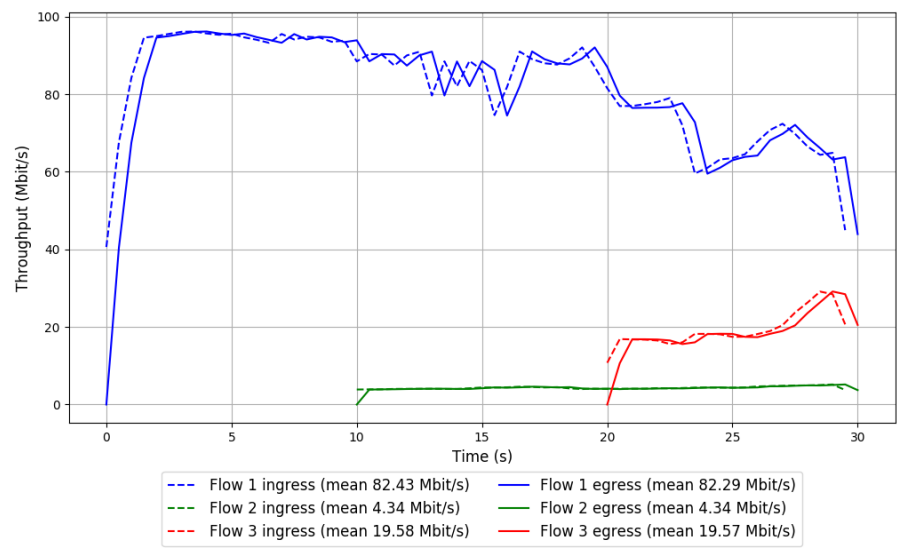


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-10 01:30:10
End at: 2018-08-10 01:30:40
Local clock offset: -4.444 ms
Remote clock offset: -2.319 ms

# Below is generated by plot.py at 2018-08-10 04:47:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 16.312 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 82.29 Mbit/s
95th percentile per-packet one-way delay: 16.463 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 2.963 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 19.57 Mbit/s
95th percentile per-packet one-way delay: 3.391 ms
Loss rate: 0.08%
```

Run 1: Report of PCC-Allegro — Data Link

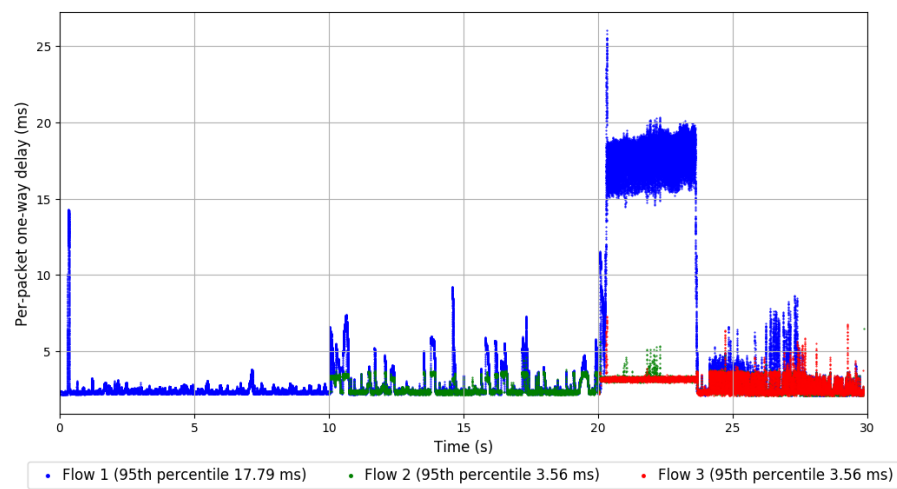
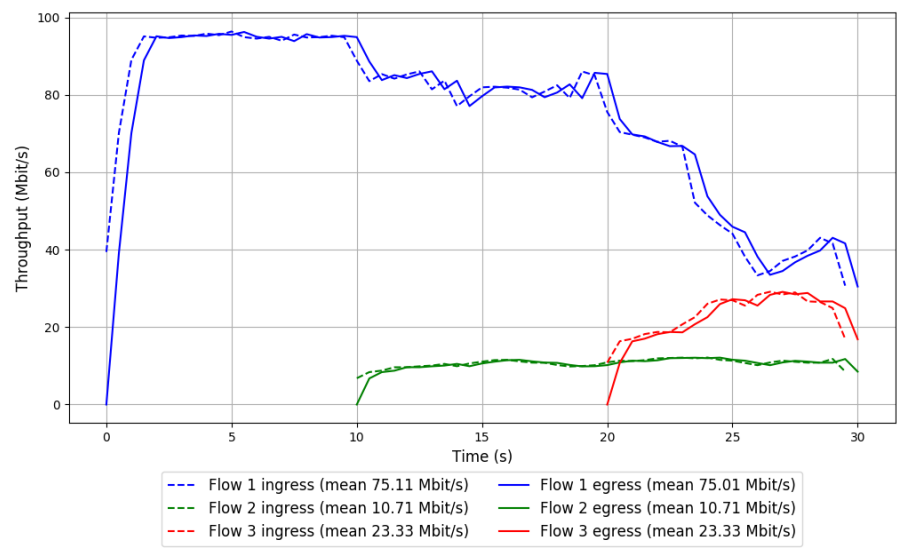


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-10 01:49:20
End at: 2018-08-10 01:49:50
Local clock offset: -3.381 ms
Remote clock offset: -2.083 ms

Below is generated by plot.py at 2018-08-10 04:47:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 17.468 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 75.01 Mbit/s
95th percentile per-packet one-way delay: 17.794 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 3.564 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.33 Mbit/s
95th percentile per-packet one-way delay: 3.565 ms
Loss rate: 0.05%

Run 2: Report of PCC-Allegro — Data Link

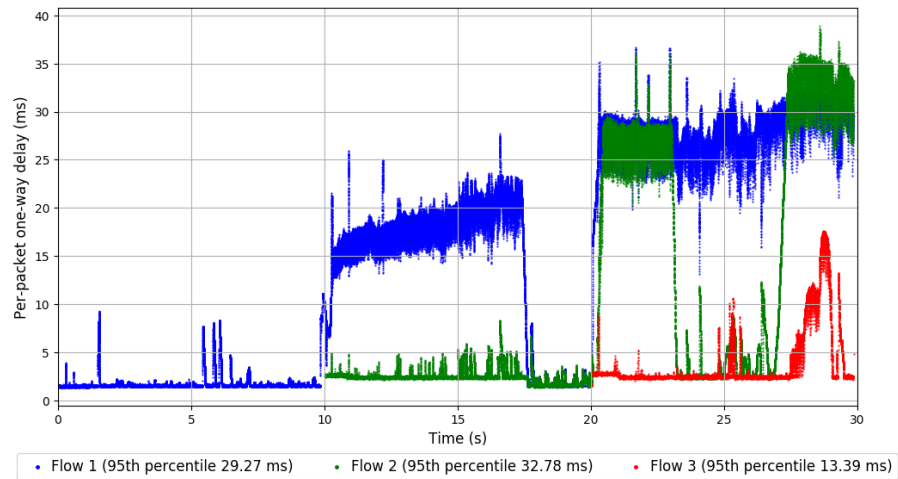
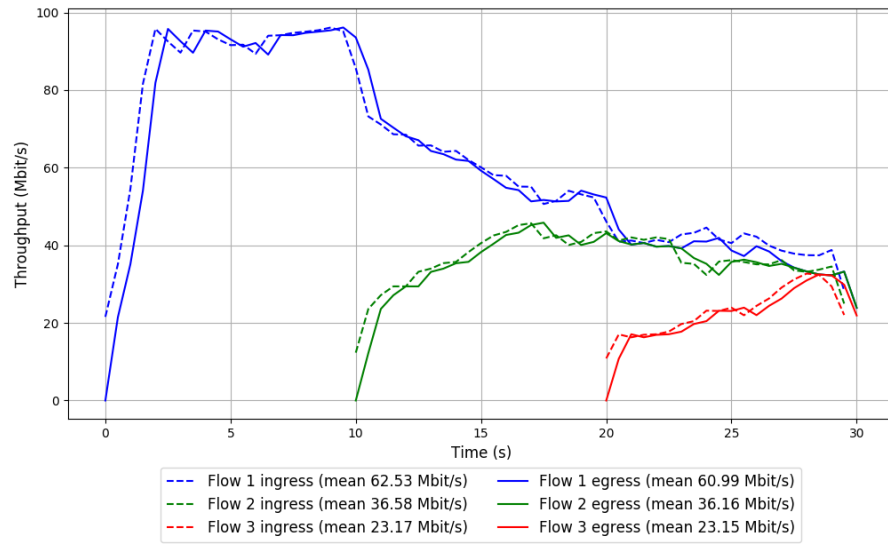


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-10 02:08:31
End at: 2018-08-10 02:09:01
Local clock offset: -3.307 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-08-10 04:47:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 29.802 ms
Loss rate: 1.98%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 29.269 ms
Loss rate: 2.51%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 32.780 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 23.15 Mbit/s
95th percentile per-packet one-way delay: 13.391 ms
Loss rate: 0.14%

Run 3: Report of PCC-Allegro — Data Link

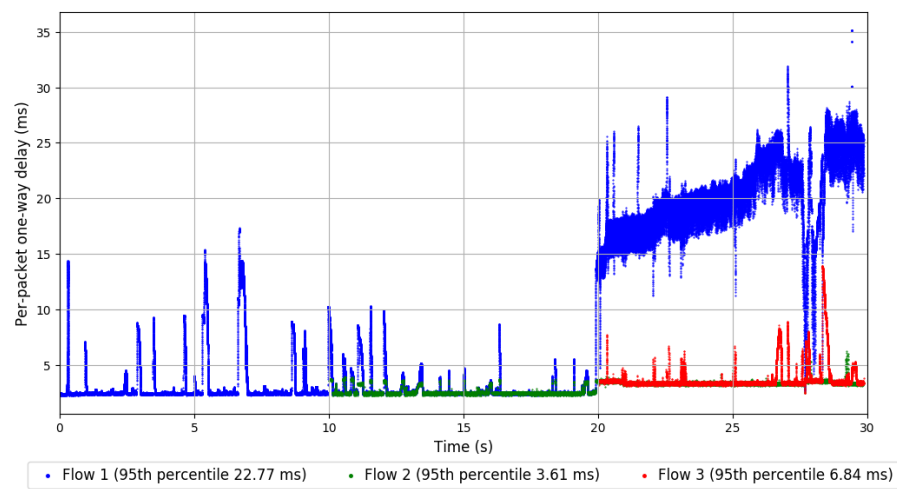
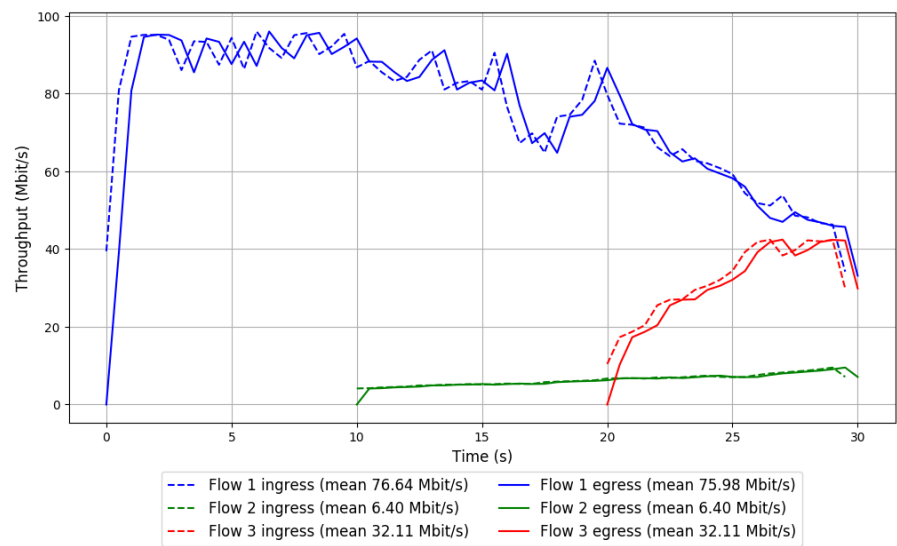


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-10 02:27:40
End at: 2018-08-10 02:28:10
Local clock offset: -3.198 ms
Remote clock offset: -0.979 ms

Below is generated by plot.py at 2018-08-10 04:47:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 22.175 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 75.98 Mbit/s
95th percentile per-packet one-way delay: 22.774 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 3.614 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 6.843 ms
Loss rate: 0.07%

Run 4: Report of PCC-Allegro — Data Link

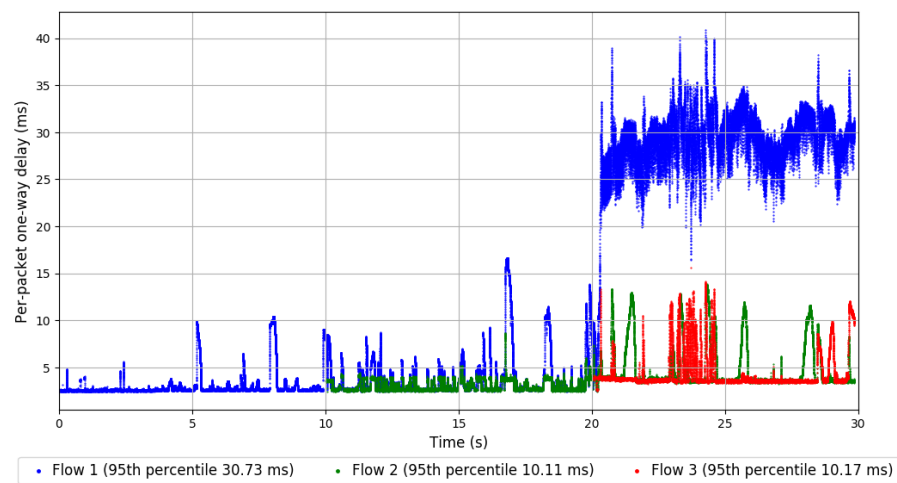
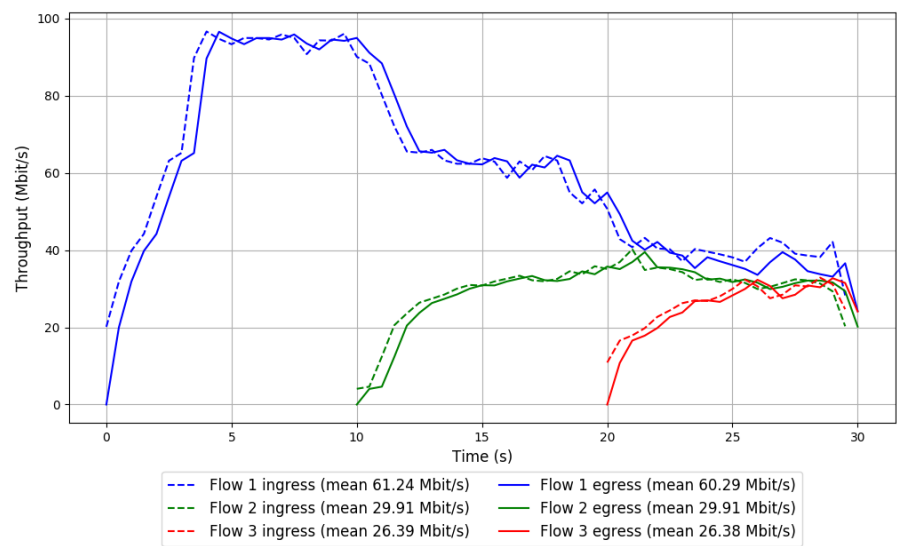


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-10 02:46:51
End at: 2018-08-10 02:47:21
Local clock offset: -3.702 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-08-10 04:47:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 29.883 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 30.732 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 29.91 Mbit/s
95th percentile per-packet one-way delay: 10.107 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.38 Mbit/s
95th percentile per-packet one-way delay: 10.171 ms
Loss rate: 0.16%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-10 03:05:59

End at: 2018-08-10 03:06:29

Local clock offset: -4.565 ms

Remote clock offset: 0.561 ms

Below is generated by plot.py at 2018-08-10 04:48:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.58 Mbit/s

95th percentile per-packet one-way delay: 27.135 ms

Loss rate: 1.10%

-- Flow 1:

Average throughput: 71.64 Mbit/s

95th percentile per-packet one-way delay: 28.092 ms

Loss rate: 1.39%

-- Flow 2:

Average throughput: 18.25 Mbit/s

95th percentile per-packet one-way delay: 5.265 ms

Loss rate: 0.06%

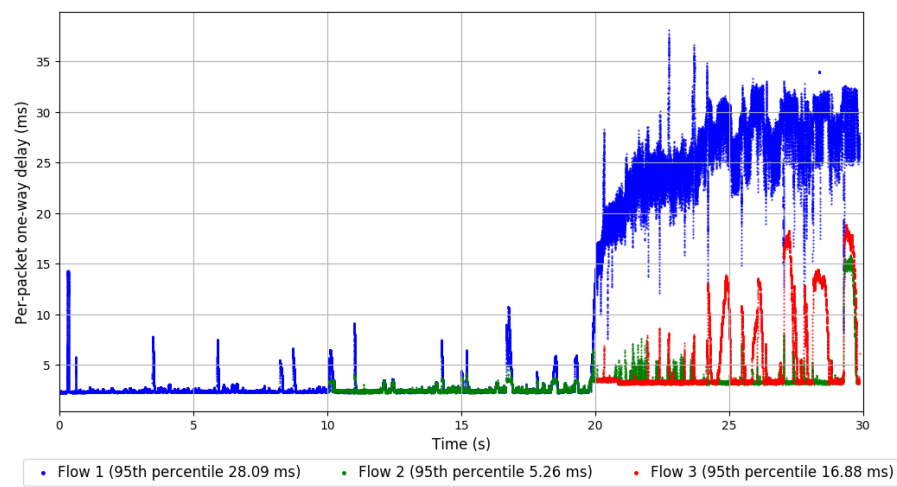
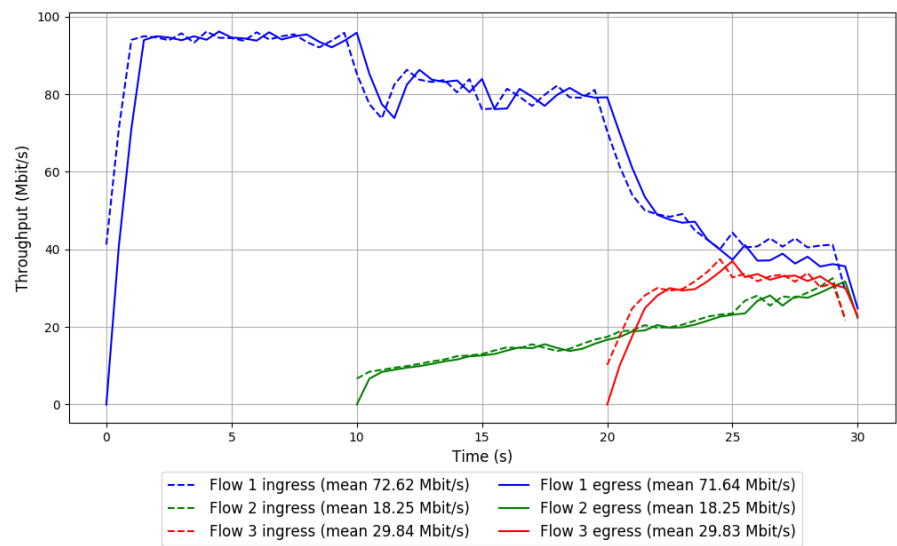
-- Flow 3:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 16.876 ms

Loss rate: 0.20%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-10 03:25:10

End at: 2018-08-10 03:25:40

Local clock offset: -4.581 ms

Remote clock offset: 1.068 ms

Below is generated by plot.py at 2018-08-10 04:48:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.69 Mbit/s

95th percentile per-packet one-way delay: 22.569 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 71.51 Mbit/s

95th percentile per-packet one-way delay: 23.489 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 6.623 ms

Loss rate: 0.04%

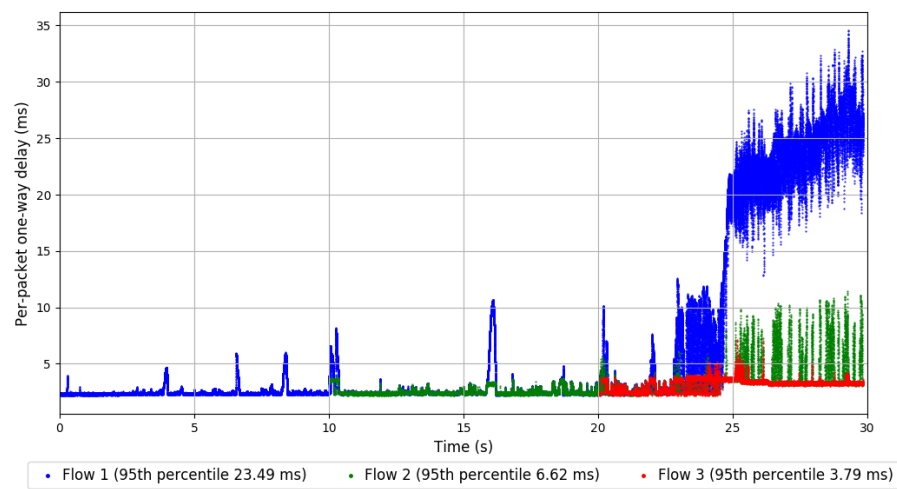
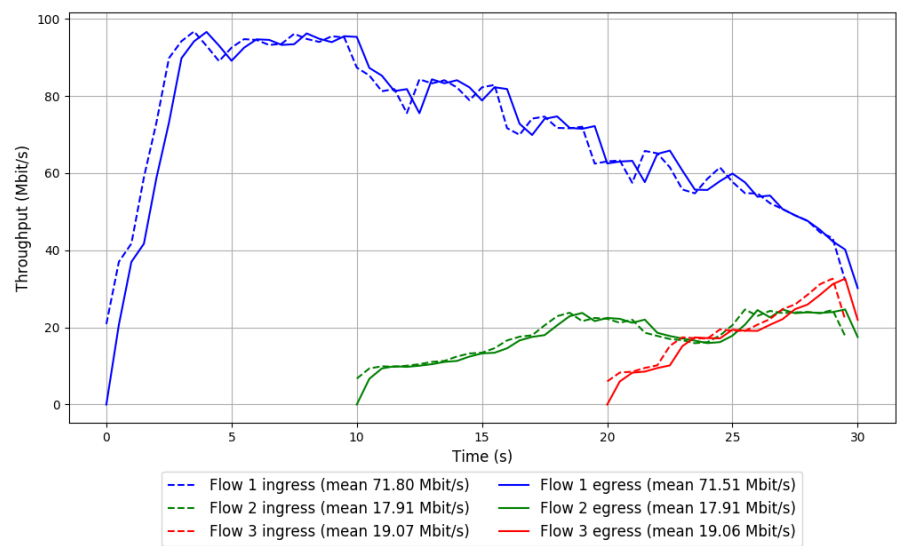
-- Flow 3:

Average throughput: 19.06 Mbit/s

95th percentile per-packet one-way delay: 3.791 ms

Loss rate: 0.08%

Run 7: Report of PCC-Allegro — Data Link

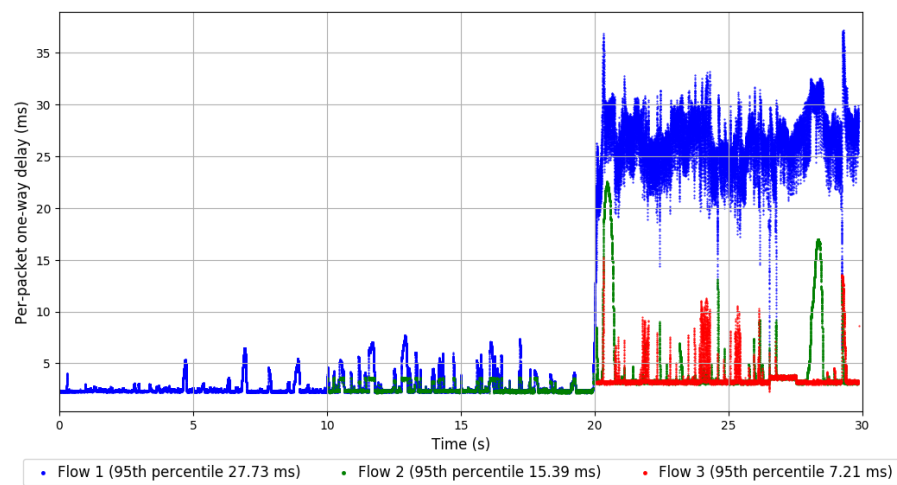
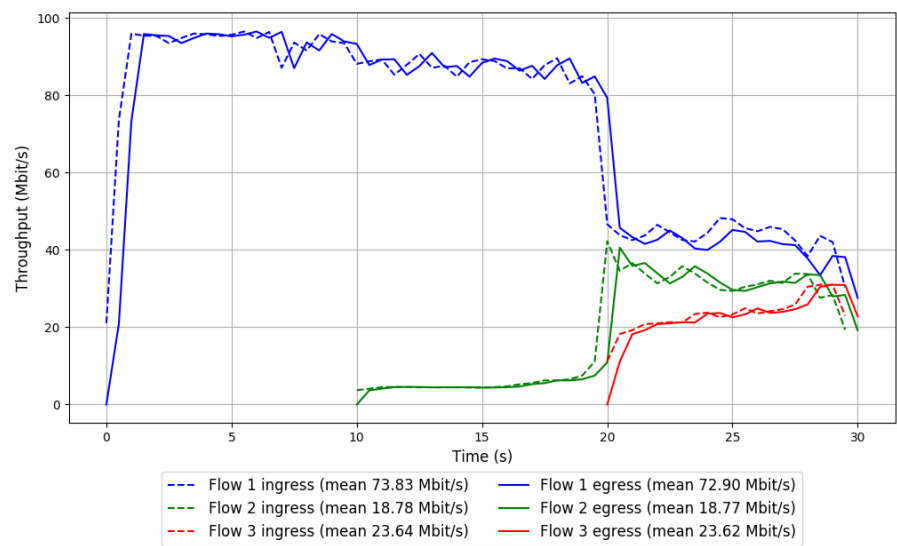


Run 8: Statistics of PCC-Allegro

Start at: 2018-08-10 03:44:20
End at: 2018-08-10 03:44:50
Local clock offset: -4.564 ms
Remote clock offset: -3.313 ms

Below is generated by plot.py at 2018-08-10 04:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 27.181 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 72.90 Mbit/s
95th percentile per-packet one-way delay: 27.732 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 15.395 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 7.210 ms
Loss rate: 0.07%

Run 8: Report of PCC-Allegro — Data Link

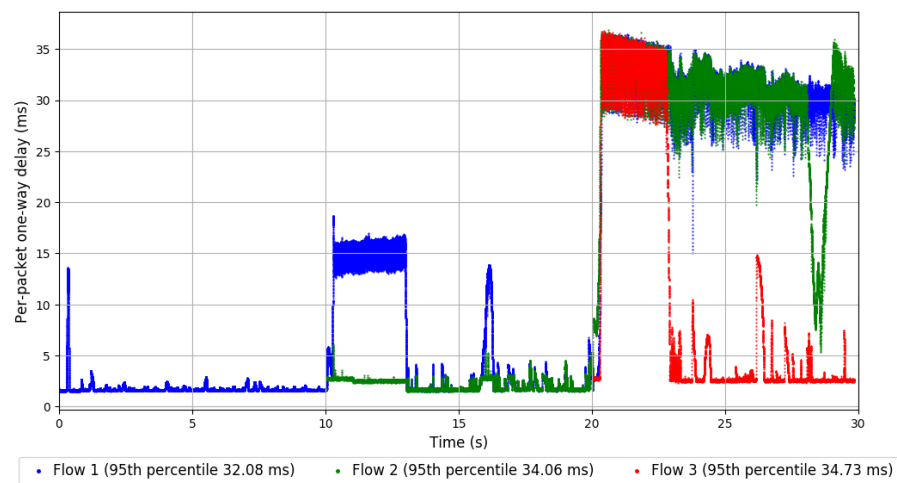
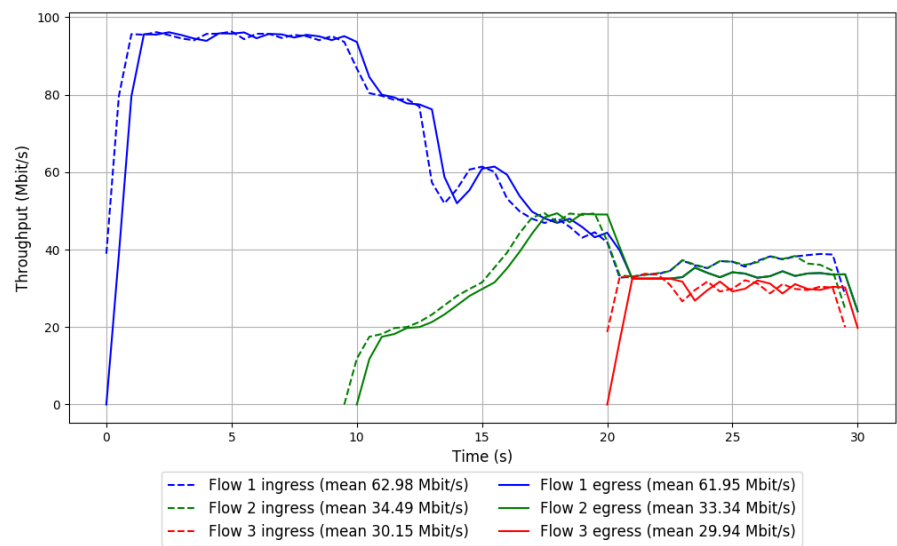


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-10 04:03:30
End at: 2018-08-10 04:04:00
Local clock offset: -5.056 ms
Remote clock offset: -4.305 ms

Below is generated by plot.py at 2018-08-10 04:48:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 33.274 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 61.95 Mbit/s
95th percentile per-packet one-way delay: 32.079 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 33.34 Mbit/s
95th percentile per-packet one-way delay: 34.062 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 34.732 ms
Loss rate: 0.77%

Run 9: Report of PCC-Allegro — Data Link

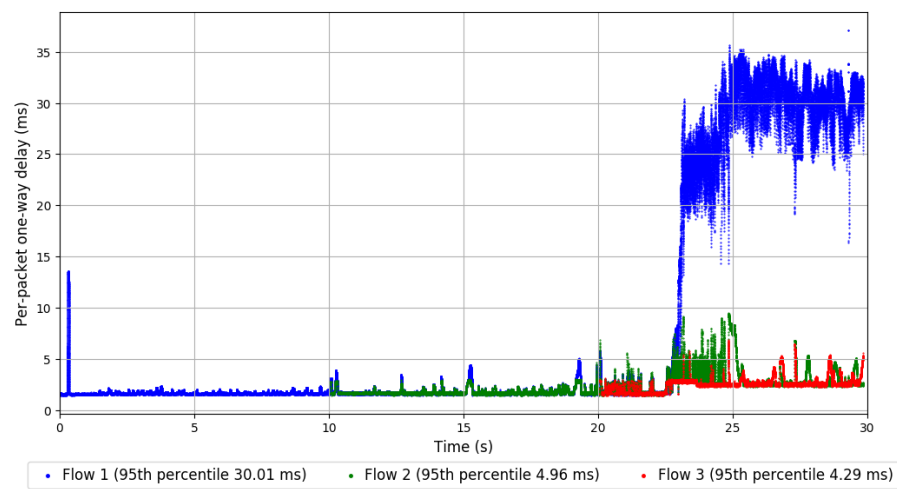
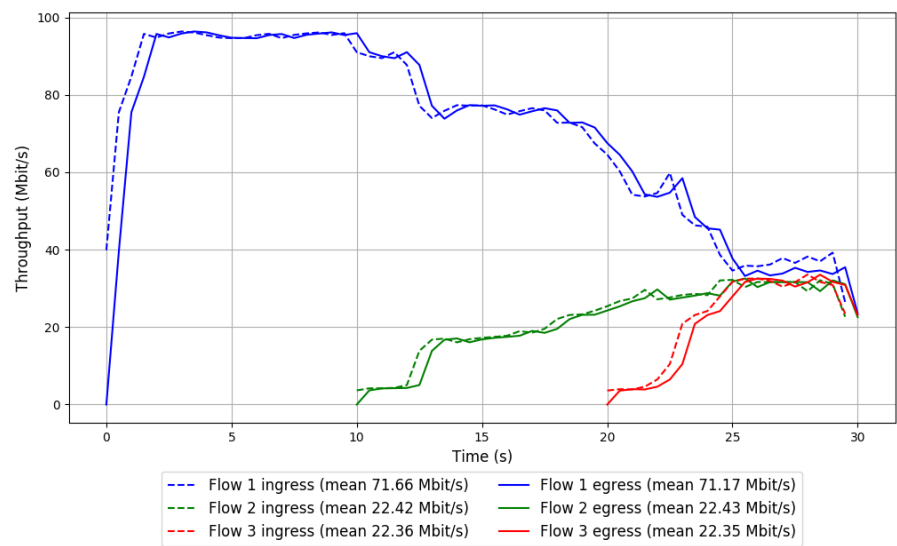


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-10 04:22:40
End at: 2018-08-10 04:23:10
Local clock offset: -5.086 ms
Remote clock offset: -3.704 ms

Below is generated by plot.py at 2018-08-10 04:48:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 28.564 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 71.17 Mbit/s
95th percentile per-packet one-way delay: 30.009 ms
Loss rate: 0.71%
-- Flow 2:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 4.961 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 22.35 Mbit/s
95th percentile per-packet one-way delay: 4.291 ms
Loss rate: 0.12%

Run 10: Report of PCC-Allegro — Data Link

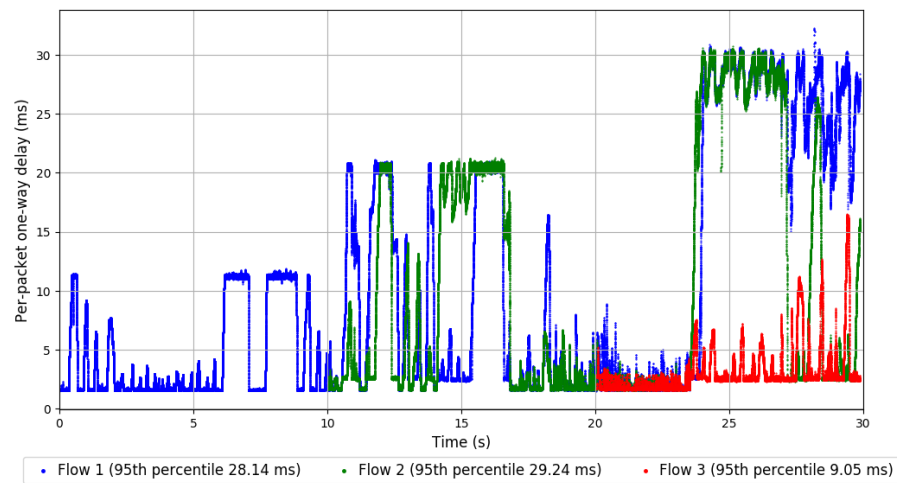
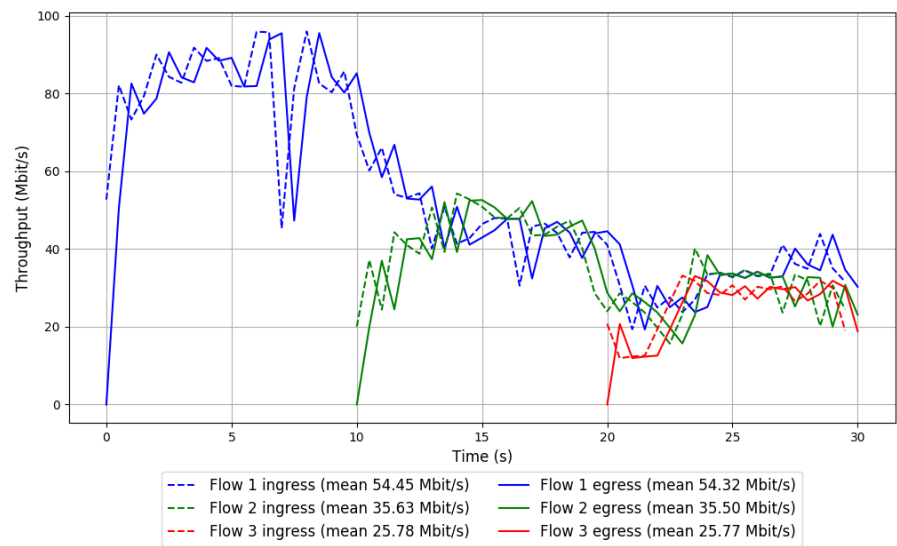


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-10 01:32:24
End at: 2018-08-10 01:32:54
Local clock offset: -4.478 ms
Remote clock offset: -2.174 ms

# Below is generated by plot.py at 2018-08-10 04:49:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.44 Mbit/s
95th percentile per-packet one-way delay: 28.342 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 54.32 Mbit/s
95th percentile per-packet one-way delay: 28.144 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 35.50 Mbit/s
95th percentile per-packet one-way delay: 29.242 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 25.77 Mbit/s
95th percentile per-packet one-way delay: 9.050 ms
Loss rate: 0.06%
```

Run 1: Report of PCC-Expr — Data Link

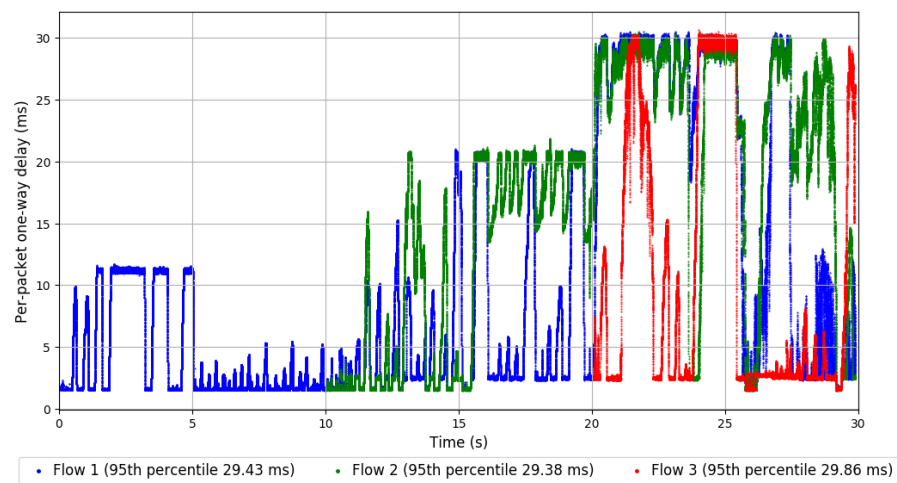
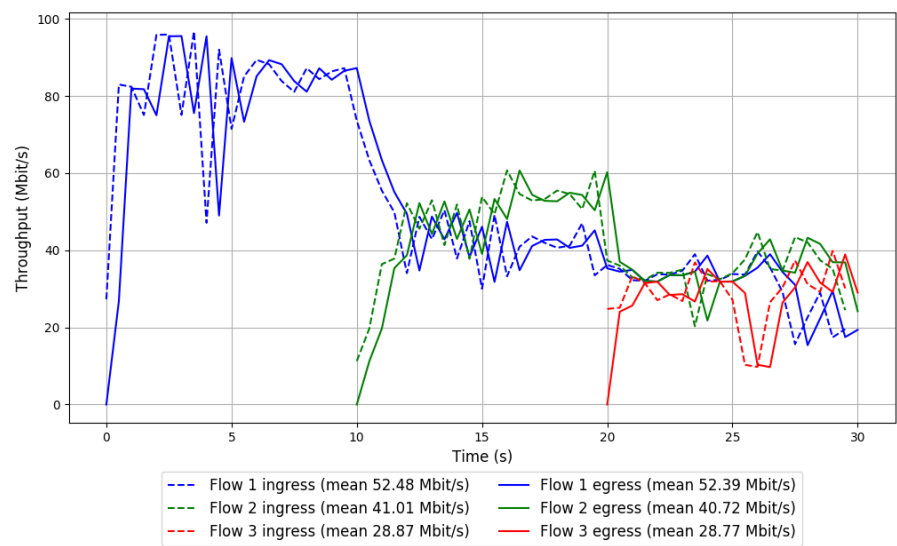


Run 2: Statistics of PCC-Expr

Start at: 2018-08-10 01:51:34
End at: 2018-08-10 01:52:04
Local clock offset: -3.976 ms
Remote clock offset: -2.149 ms

Below is generated by plot.py at 2018-08-10 04:49:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.96 Mbit/s
95th percentile per-packet one-way delay: 29.514 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 29.426 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.72 Mbit/s
95th percentile per-packet one-way delay: 29.383 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 28.77 Mbit/s
95th percentile per-packet one-way delay: 29.858 ms
Loss rate: 0.44%

Run 2: Report of PCC-Expr — Data Link

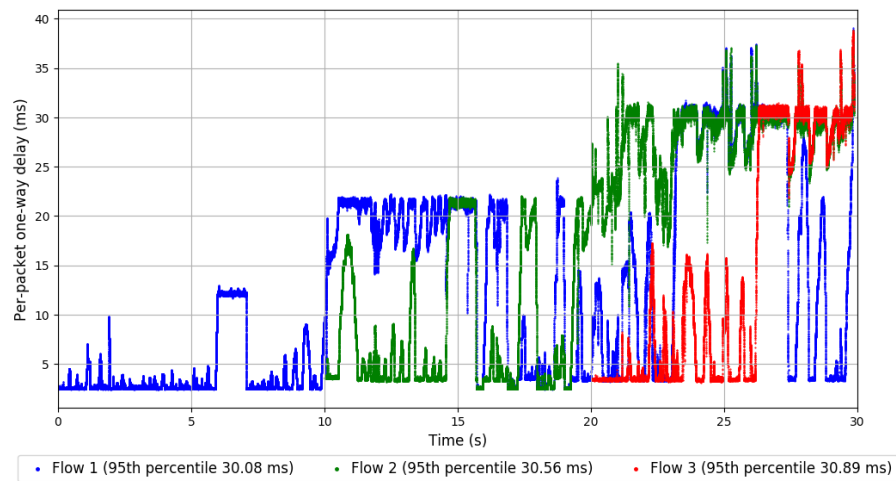
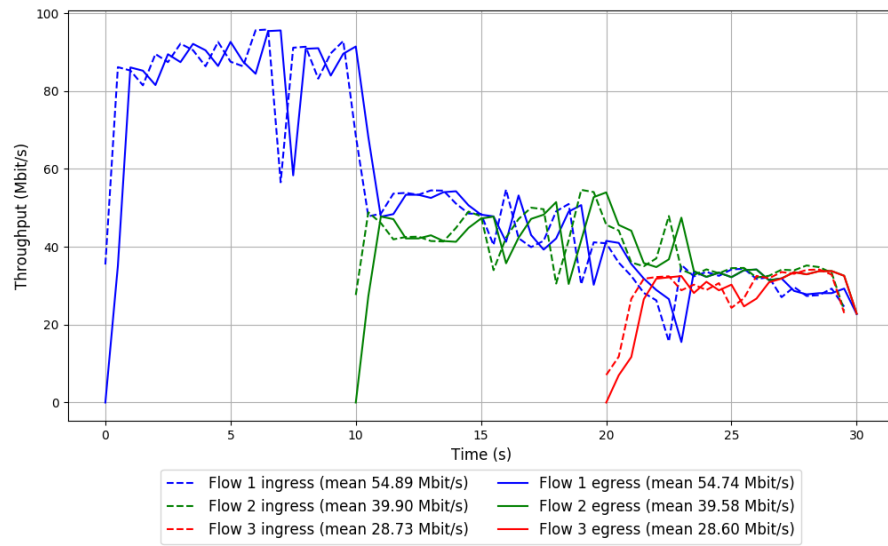


Run 3: Statistics of PCC-Expr

Start at: 2018-08-10 02:10:45
End at: 2018-08-10 02:11:15
Local clock offset: -2.435 ms
Remote clock offset: -2.176 ms

Below is generated by plot.py at 2018-08-10 04:49:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.50 Mbit/s
95th percentile per-packet one-way delay: 30.530 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 54.74 Mbit/s
95th percentile per-packet one-way delay: 30.076 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 30.560 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 28.60 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 0.62%

Run 3: Report of PCC-Expr — Data Link

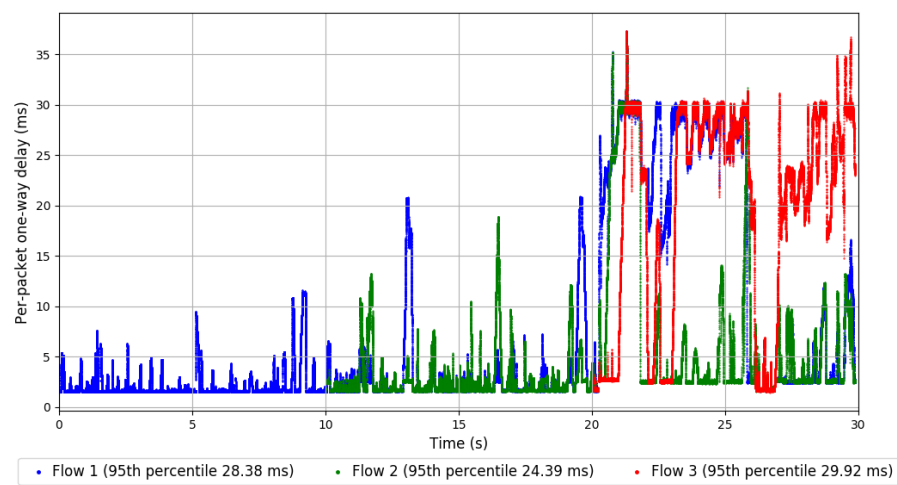
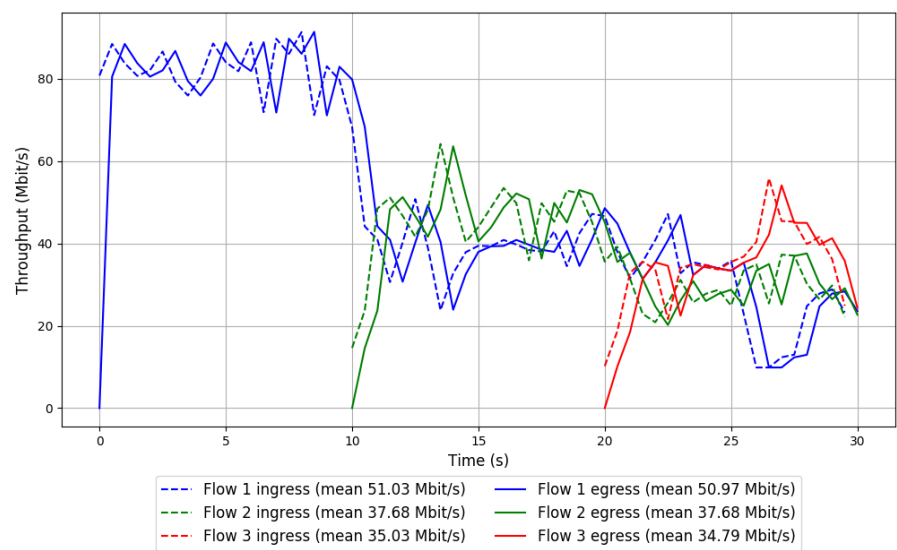


Run 4: Statistics of PCC-Expr

Start at: 2018-08-10 02:29:54
End at: 2018-08-10 02:30:24
Local clock offset: -4.128 ms
Remote clock offset: -0.815 ms

Below is generated by plot.py at 2018-08-10 04:49:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.49 Mbit/s
95th percentile per-packet one-way delay: 29.401 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 50.97 Mbit/s
95th percentile per-packet one-way delay: 28.380 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.68 Mbit/s
95th percentile per-packet one-way delay: 24.395 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 34.79 Mbit/s
95th percentile per-packet one-way delay: 29.917 ms
Loss rate: 0.77%

Run 4: Report of PCC-Expr — Data Link

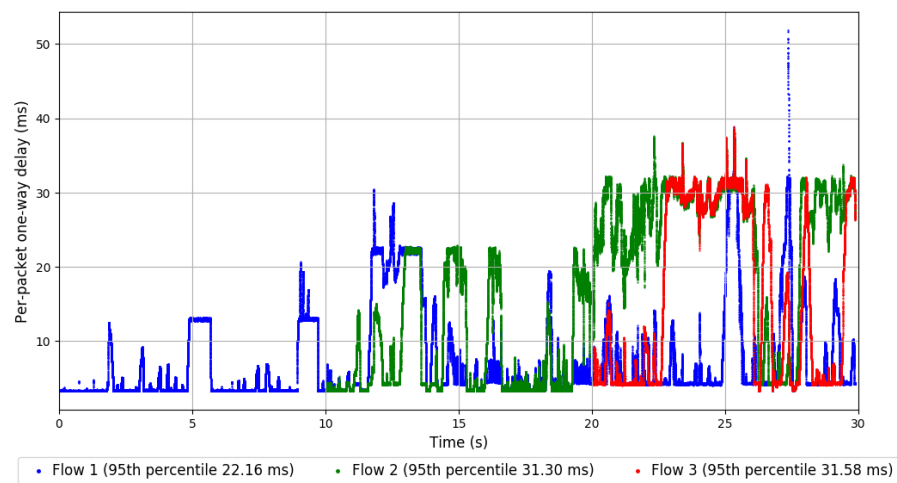
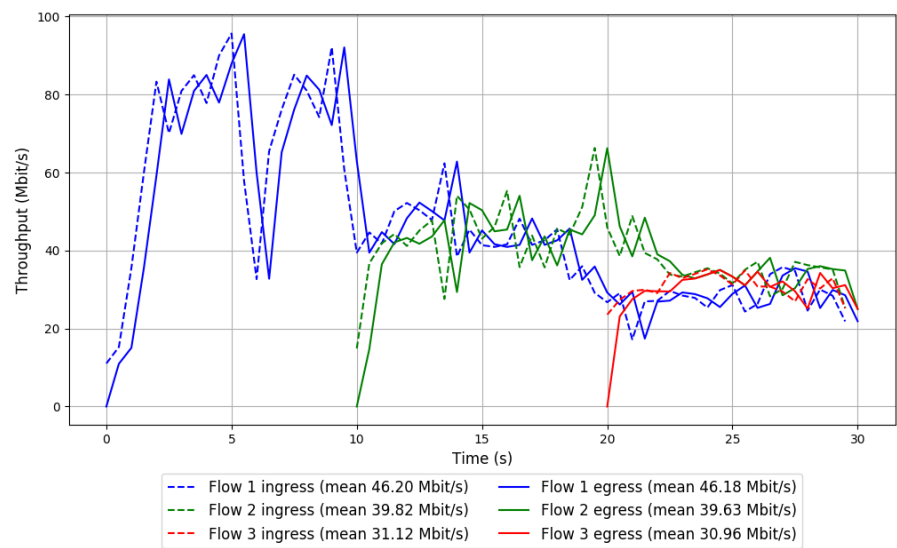


Run 5: Statistics of PCC-Expr

Start at: 2018-08-10 02:49:04
End at: 2018-08-10 02:49:34
Local clock offset: -3.115 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-08-10 04:49:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 30.938 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 22.162 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 31.302 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 31.576 ms
Loss rate: 0.66%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-10 03:08:13

End at: 2018-08-10 03:08:43

Local clock offset: -4.619 ms

Remote clock offset: 0.57 ms

Below is generated by plot.py at 2018-08-10 04:50:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.17 Mbit/s

95th percentile per-packet one-way delay: 30.551 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 54.12 Mbit/s

95th percentile per-packet one-way delay: 30.423 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 30.584 ms

Loss rate: 0.83%

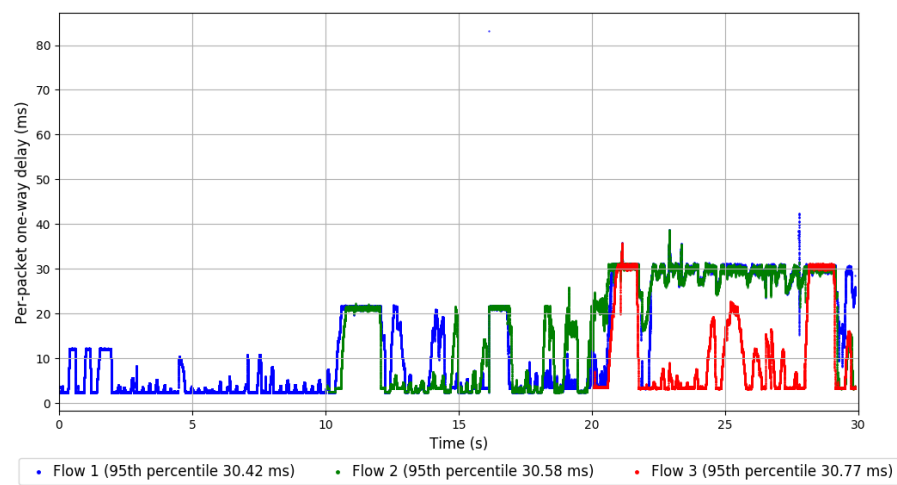
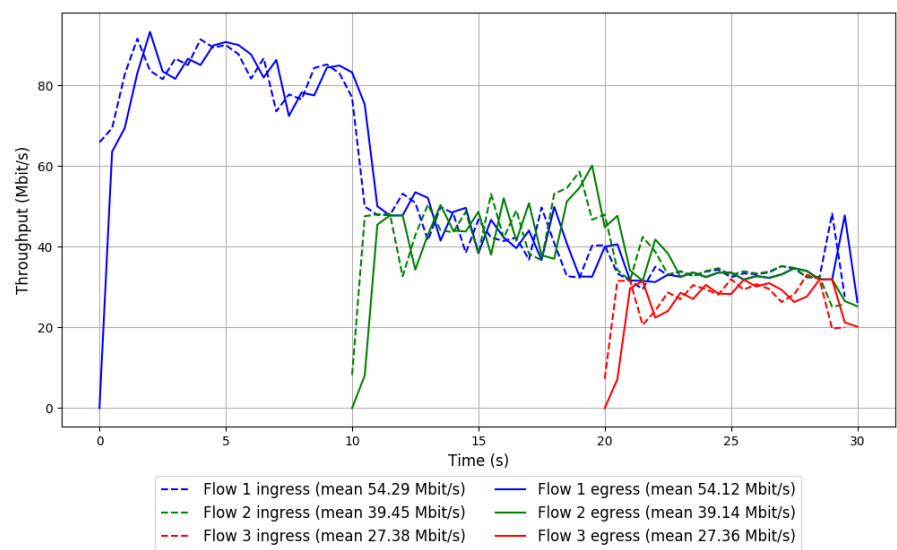
-- Flow 3:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 30.772 ms

Loss rate: 0.12%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-08-10 03:27:24

End at: 2018-08-10 03:27:54

Local clock offset: -3.724 ms

Remote clock offset: 0.972 ms

Below is generated by plot.py at 2018-08-10 04:50:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 31.016 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 22.284 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 31.148 ms

Loss rate: 0.15%

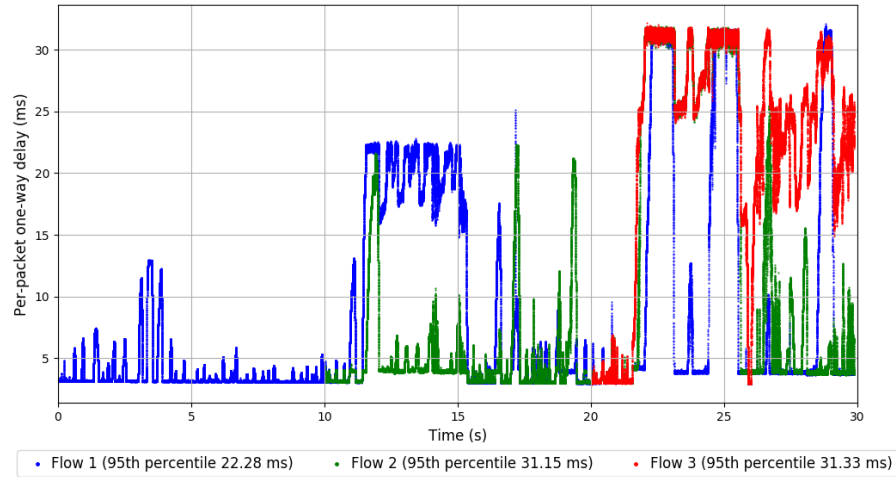
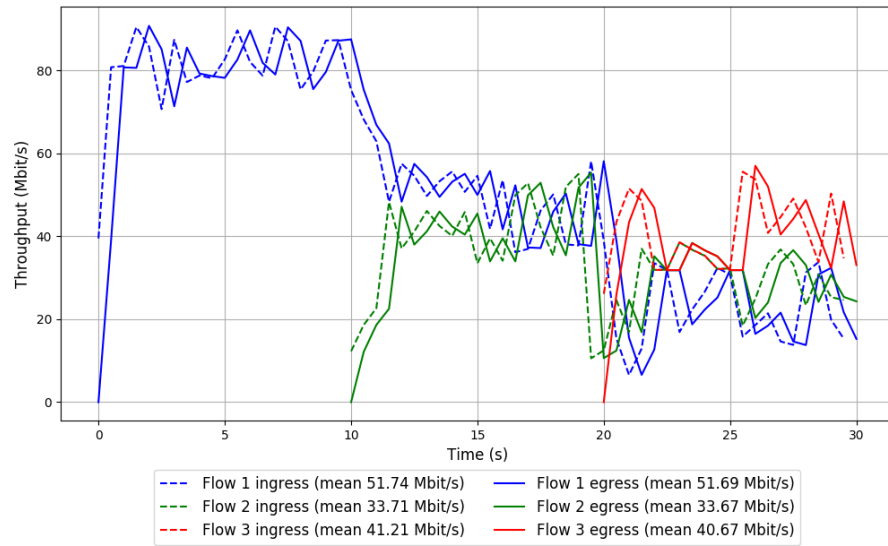
-- Flow 3:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 31.326 ms

Loss rate: 1.40%

Run 7: Report of PCC-Expr — Data Link

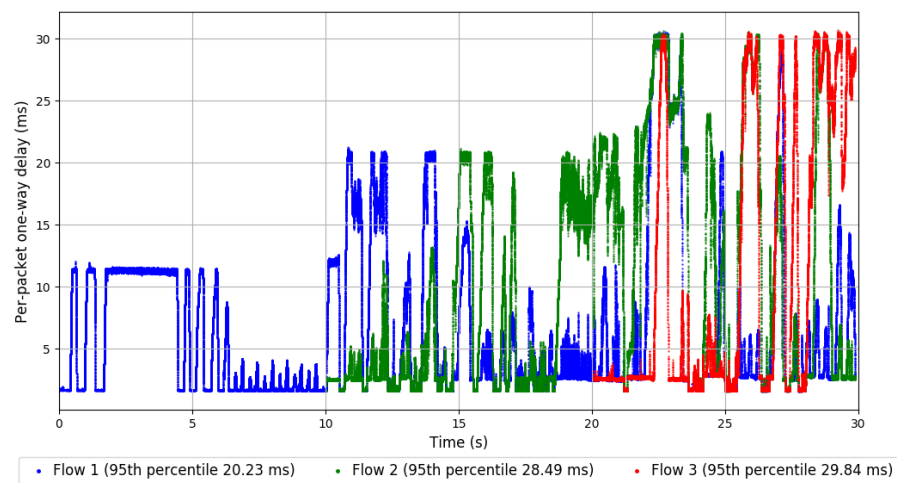
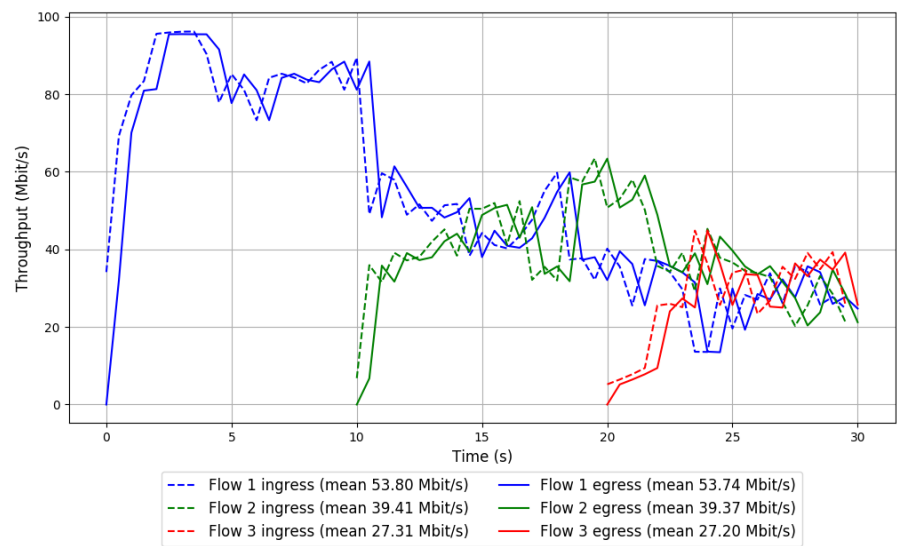


Run 8: Statistics of PCC-Expr

Start at: 2018-08-10 03:46:34
End at: 2018-08-10 03:47:04
Local clock offset: -5.272 ms
Remote clock offset: -3.626 ms

Below is generated by plot.py at 2018-08-10 04:50:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.90 Mbit/s
95th percentile per-packet one-way delay: 27.074 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.74 Mbit/s
95th percentile per-packet one-way delay: 20.226 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 39.37 Mbit/s
95th percentile per-packet one-way delay: 28.490 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 29.840 ms
Loss rate: 0.49%

Run 8: Report of PCC-Expr — Data Link

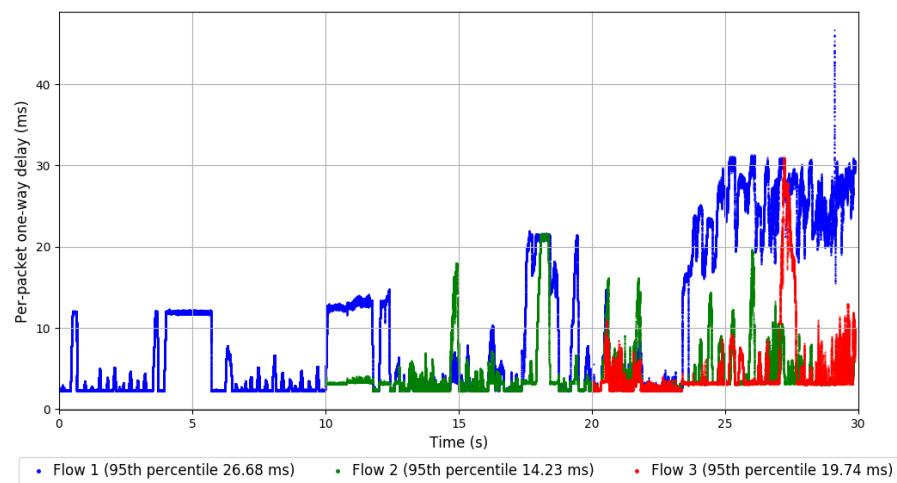
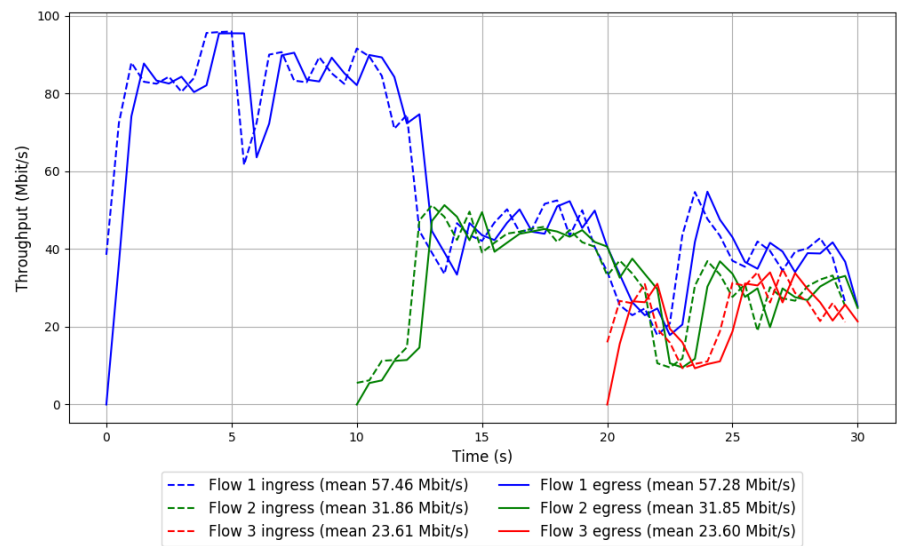


Run 9: Statistics of PCC-Expr

Start at: 2018-08-10 04:05:44
End at: 2018-08-10 04:06:14
Local clock offset: -4.489 ms
Remote clock offset: -4.134 ms

Below is generated by plot.py at 2018-08-10 04:51:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 24.785 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 26.675 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 14.234 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 23.60 Mbit/s
95th percentile per-packet one-way delay: 19.744 ms
Loss rate: 0.10%

Run 9: Report of PCC-Expr — Data Link

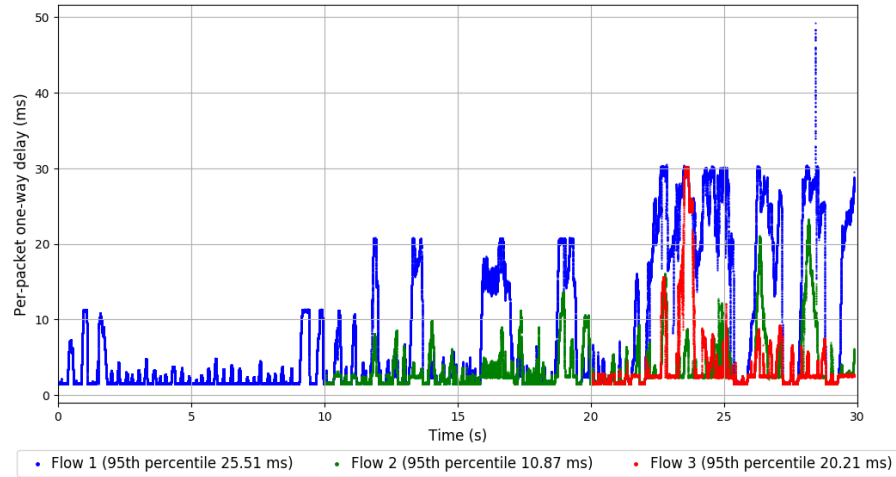
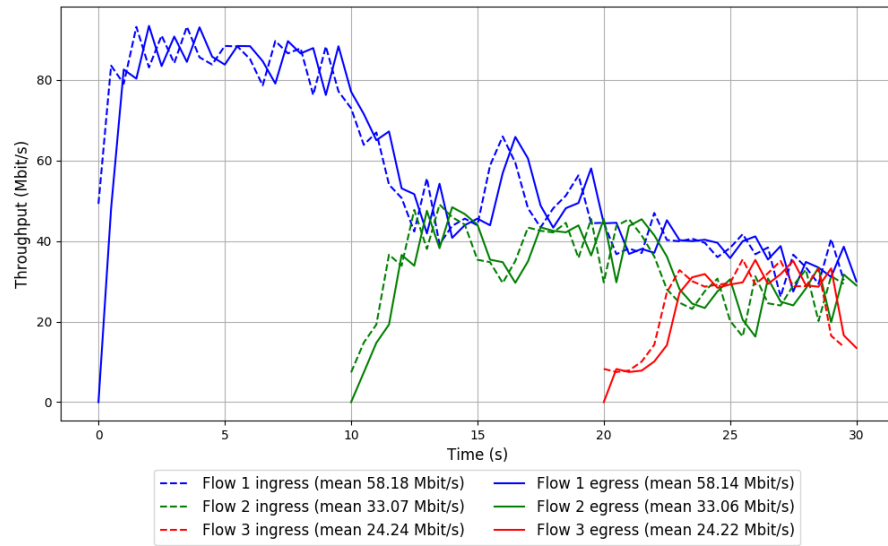


Run 10: Statistics of PCC-Expr

Start at: 2018-08-10 04:24:54
End at: 2018-08-10 04:25:24
Local clock offset: -5.151 ms
Remote clock offset: -3.729 ms

Below is generated by plot.py at 2018-08-10 04:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 23.688 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 25.508 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 33.06 Mbit/s
95th percentile per-packet one-way delay: 10.865 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 20.208 ms
Loss rate: 0.12%

Run 10: Report of PCC-Expr — Data Link

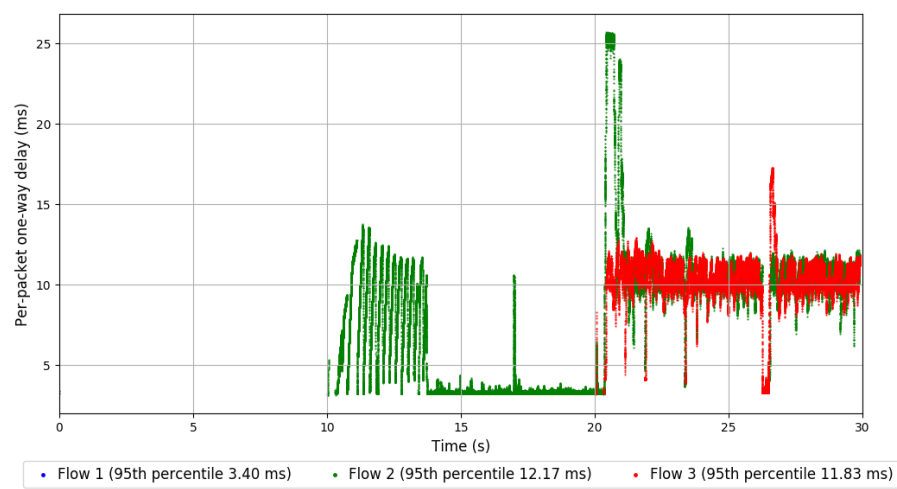
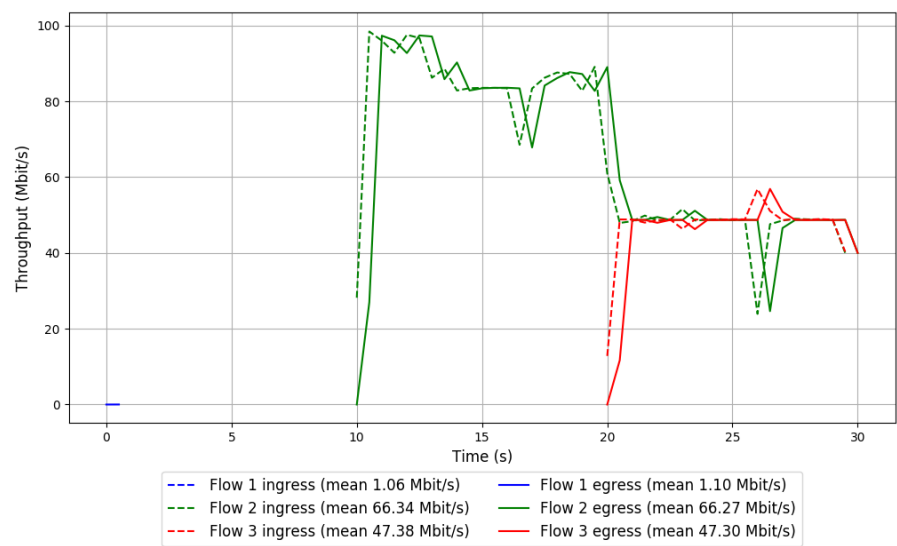


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-10 01:34:45
End at: 2018-08-10 01:35:15
Local clock offset: -2.932 ms
Remote clock offset: -2.215 ms

Below is generated by plot.py at 2018-08-10 04:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.73 Mbit/s
95th percentile per-packet one-way delay: 12.056 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 3.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 12.171 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 47.30 Mbit/s
95th percentile per-packet one-way delay: 11.826 ms
Loss rate: 0.33%

Run 1: Report of QUIC Cubic — Data Link

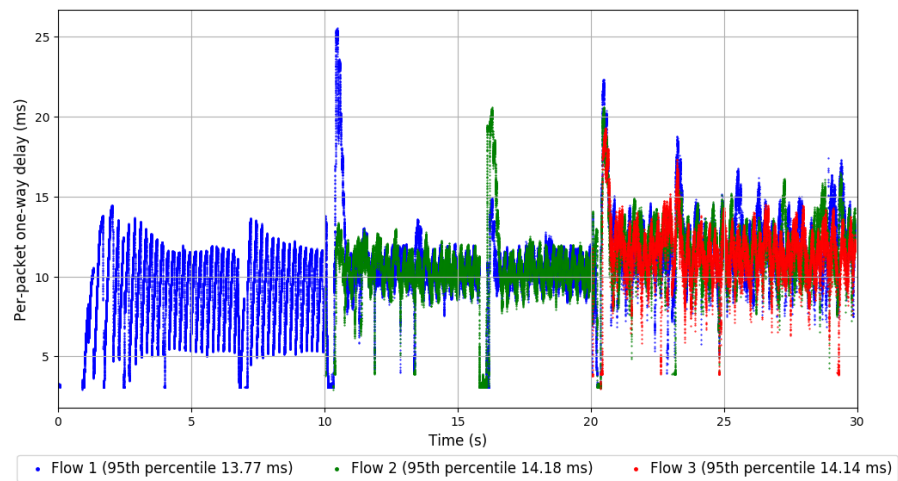
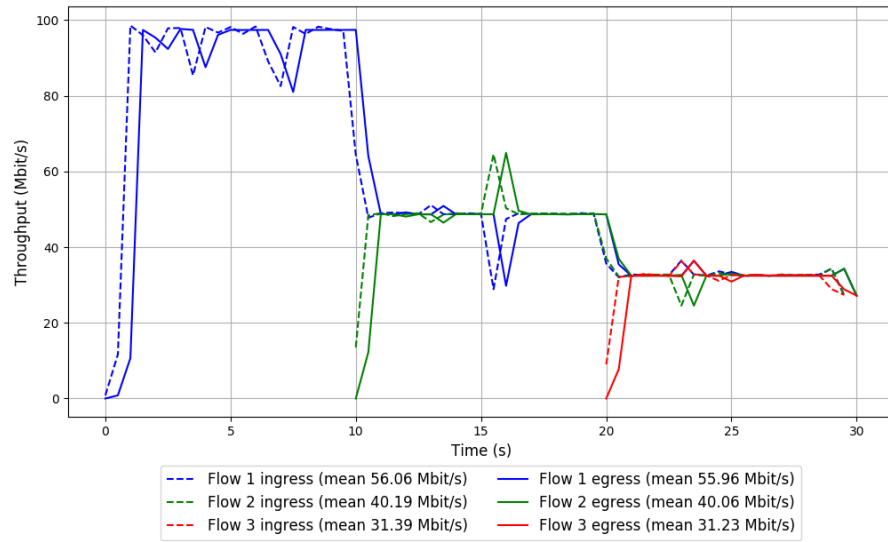


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-10 01:53:55
End at: 2018-08-10 01:54:25
Local clock offset: -2.231 ms
Remote clock offset: -2.092 ms

Below is generated by plot.py at 2018-08-10 04:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 13.952 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 55.96 Mbit/s
95th percentile per-packet one-way delay: 13.773 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 14.184 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 31.23 Mbit/s
95th percentile per-packet one-way delay: 14.143 ms
Loss rate: 0.54%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-10 02:13:06

End at: 2018-08-10 02:13:36

Local clock offset: -2.362 ms

Remote clock offset: -1.99 ms

Below is generated by plot.py at 2018-08-10 04:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.49 Mbit/s

95th percentile per-packet one-way delay: 13.628 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 54.75 Mbit/s

95th percentile per-packet one-way delay: 13.385 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 14.284 ms

Loss rate: 0.34%

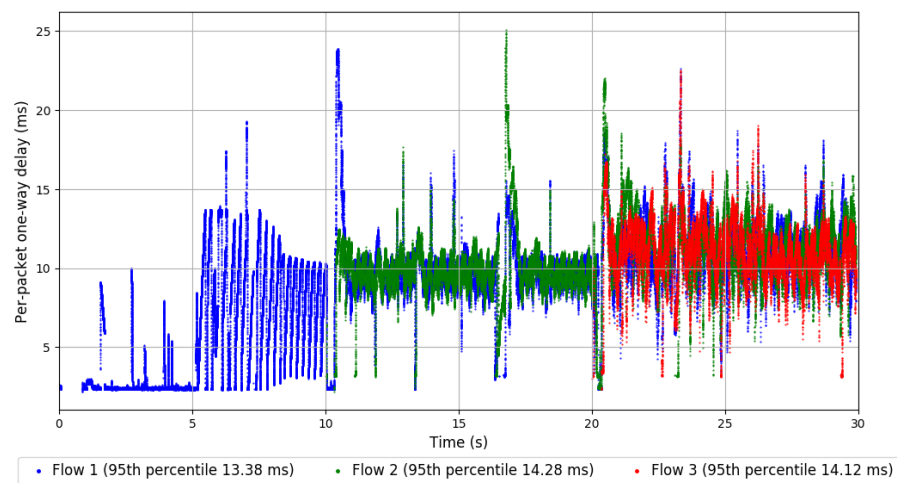
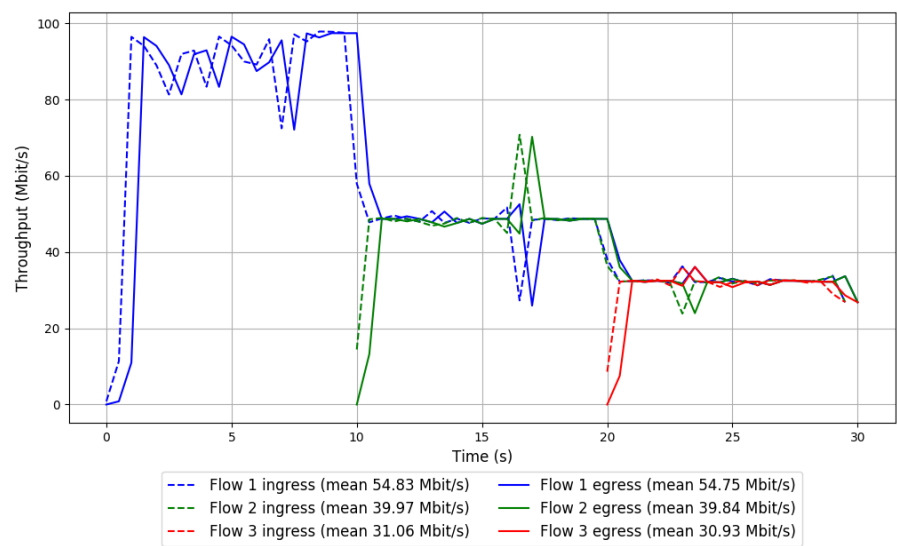
-- Flow 3:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 14.119 ms

Loss rate: 0.46%

Run 3: Report of QUIC Cubic — Data Link

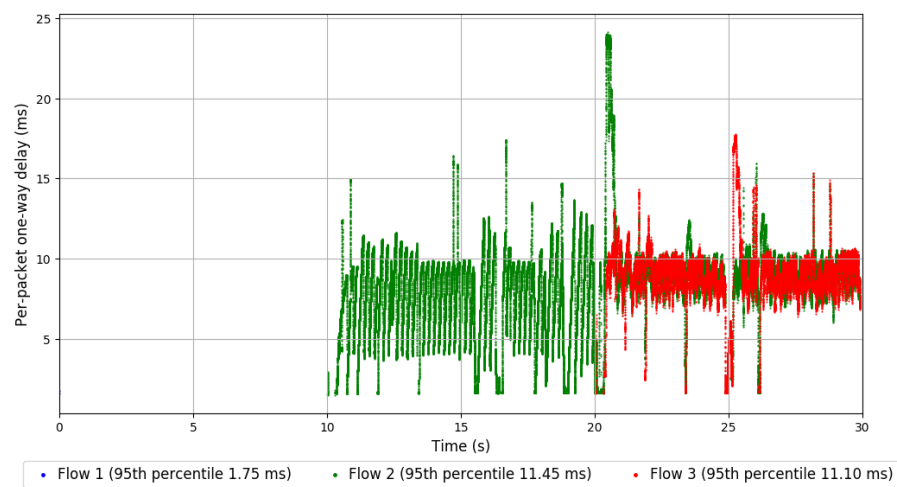
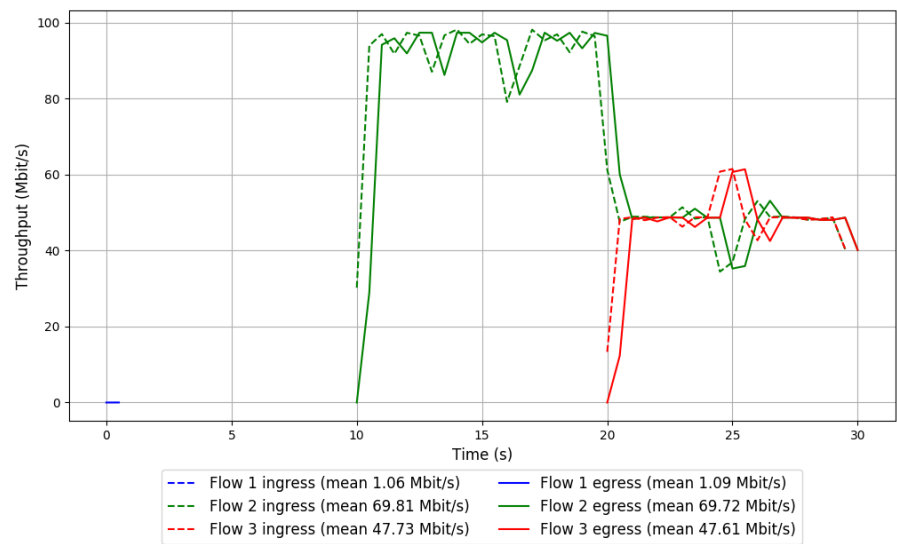


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-10 02:32:15
End at: 2018-08-10 02:32:45
Local clock offset: -4.196 ms
Remote clock offset: -0.752 ms

Below is generated by plot.py at 2018-08-10 04:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 11.397 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 1.748 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 11.451 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 11.100 ms
Loss rate: 0.30%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-10 02:51:25

End at: 2018-08-10 02:51:55

Local clock offset: -4.029 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-08-10 04:51:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.61 Mbit/s

95th percentile per-packet one-way delay: 13.692 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 55.82 Mbit/s

95th percentile per-packet one-way delay: 13.251 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 39.91 Mbit/s

95th percentile per-packet one-way delay: 14.162 ms

Loss rate: 0.35%

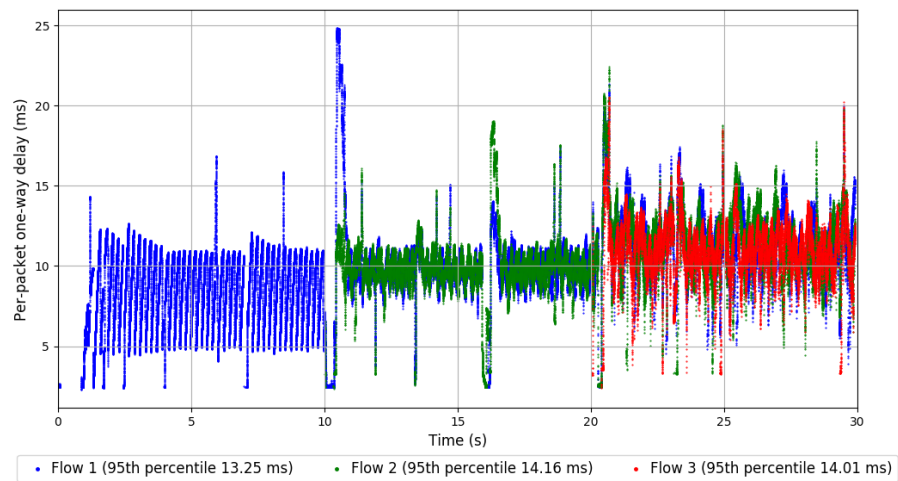
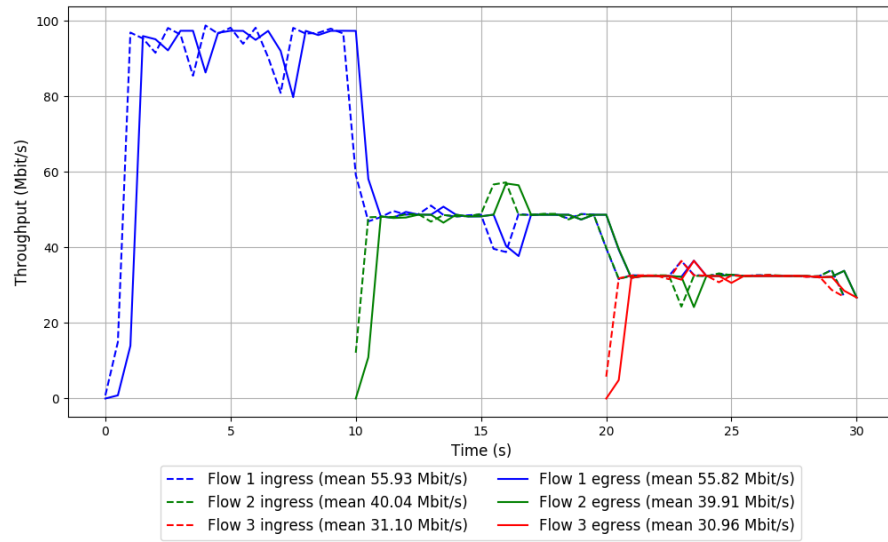
-- Flow 3:

Average throughput: 30.96 Mbit/s

95th percentile per-packet one-way delay: 14.007 ms

Loss rate: 0.49%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-10 03:10:34

End at: 2018-08-10 03:11:04

Local clock offset: -4.661 ms

Remote clock offset: 0.7 ms

Below is generated by plot.py at 2018-08-10 04:52:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 13.553 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 51.84 Mbit/s

95th percentile per-packet one-way delay: 13.436 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 13.529 ms

Loss rate: 0.29%

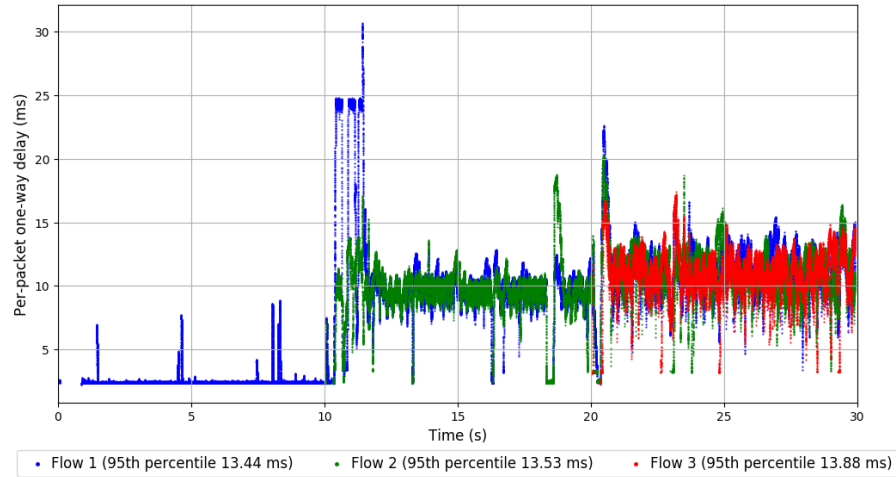
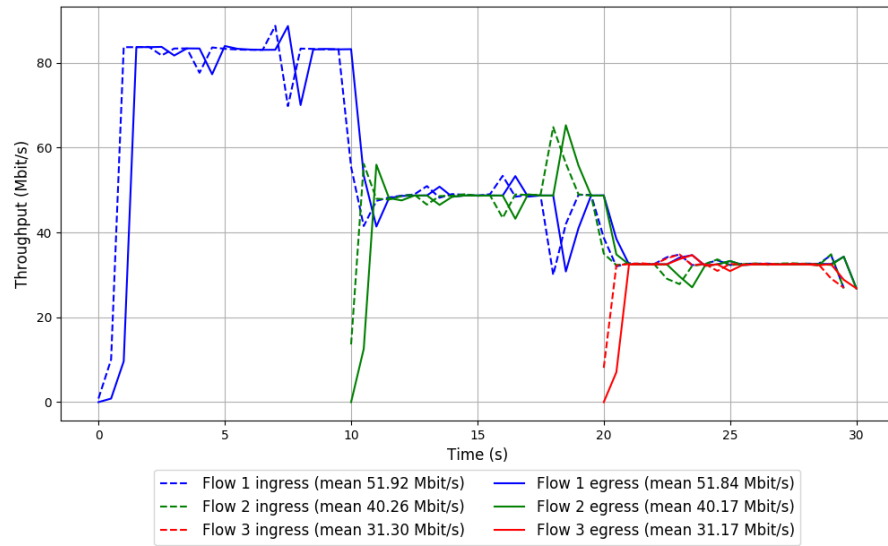
-- Flow 3:

Average throughput: 31.17 Mbit/s

95th percentile per-packet one-way delay: 13.878 ms

Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link

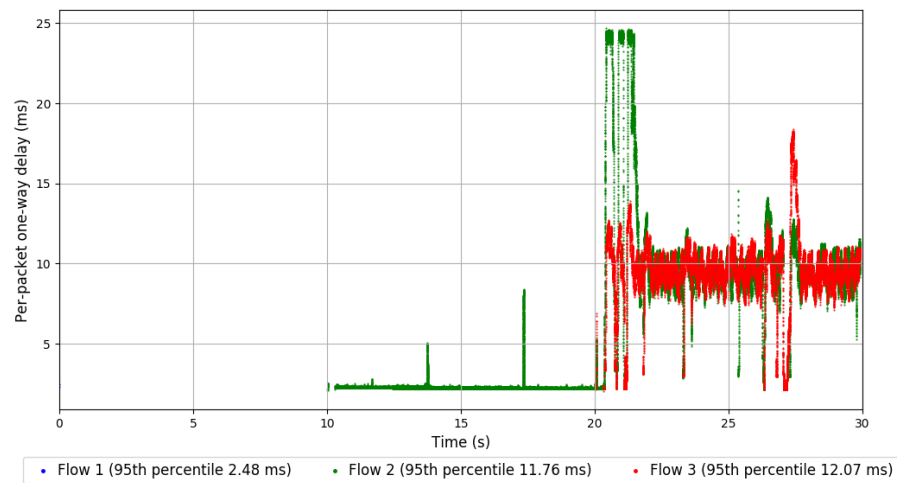
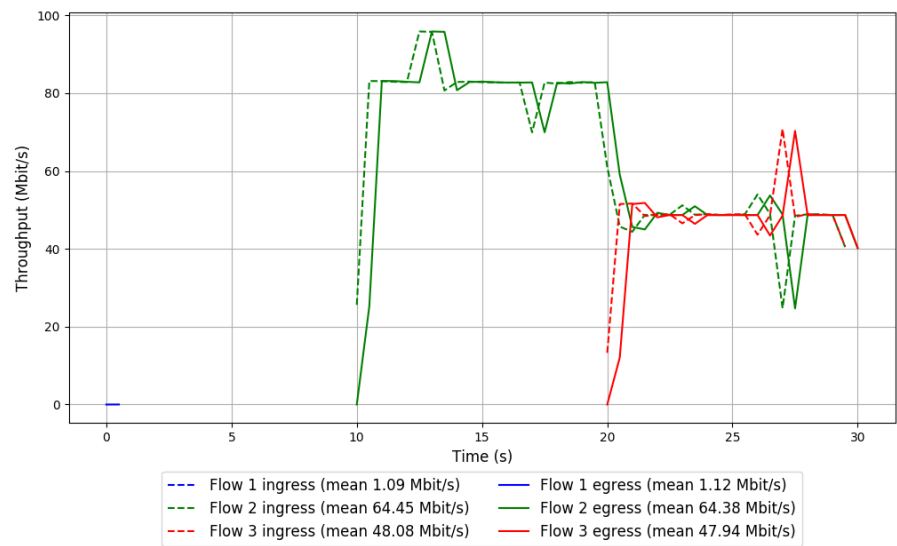


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-10 03:29:45
End at: 2018-08-10 03:30:15
Local clock offset: -4.484 ms
Remote clock offset: -0.044 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 11.916 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 11.757 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 47.94 Mbit/s
95th percentile per-packet one-way delay: 12.072 ms
Loss rate: 0.34%
```

Run 7: Report of QUIC Cubic — Data Link

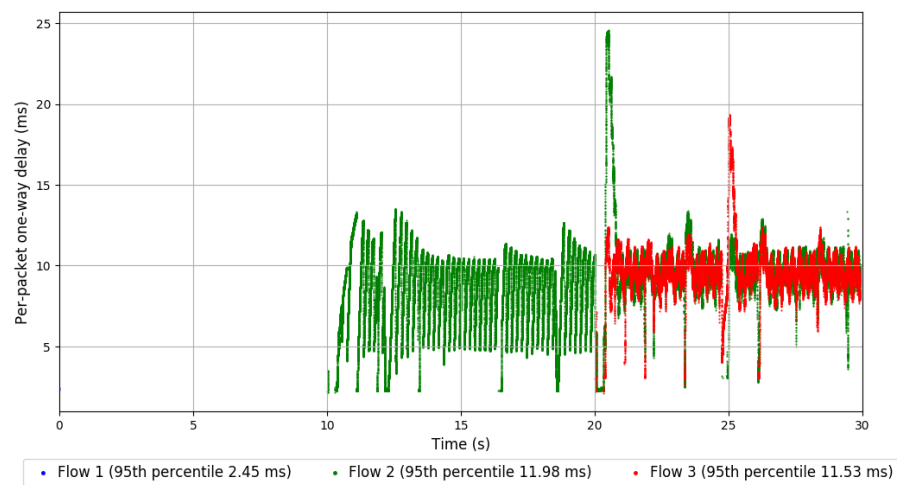
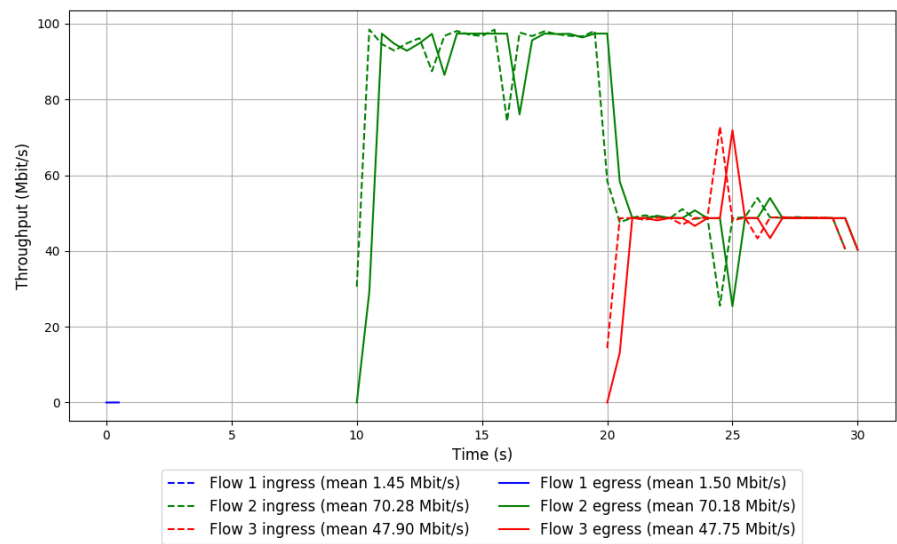


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-10 03:48:54
End at: 2018-08-10 03:49:24
Local clock offset: -4.507 ms
Remote clock offset: -3.802 ms

Below is generated by plot.py at 2018-08-10 04:52:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 11.910 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 2.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 11.984 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 11.527 ms
Loss rate: 0.35%

Run 8: Report of QUIC Cubic — Data Link

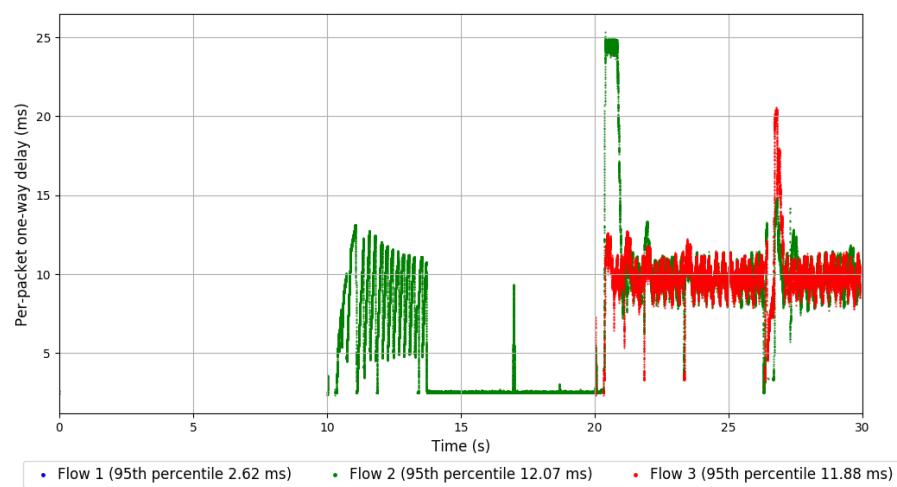
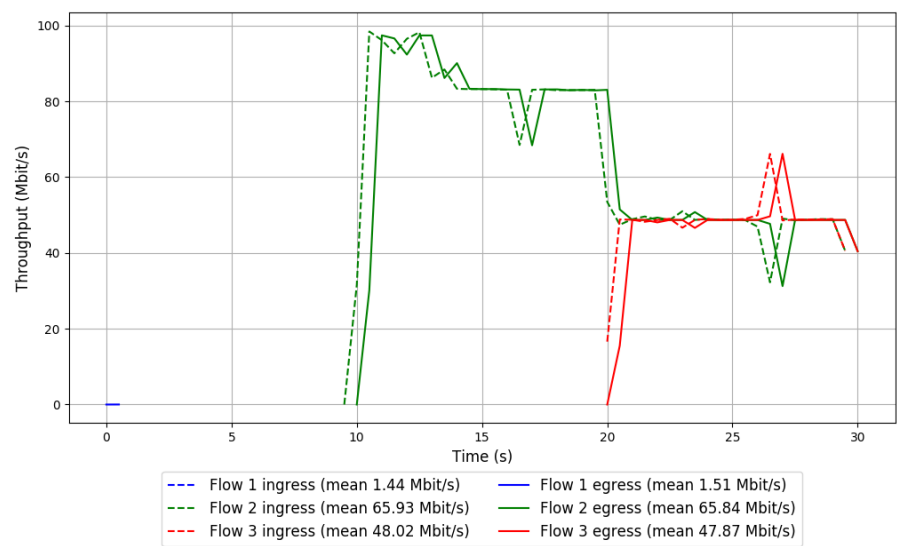


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-10 04:08:04
End at: 2018-08-10 04:08:34
Local clock offset: -4.3 ms
Remote clock offset: -4.019 ms

Below is generated by plot.py at 2018-08-10 04:52:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 12.000 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 2.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.84 Mbit/s
95th percentile per-packet one-way delay: 12.070 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 47.87 Mbit/s
95th percentile per-packet one-way delay: 11.875 ms
Loss rate: 0.34%

Run 9: Report of QUIC Cubic — Data Link

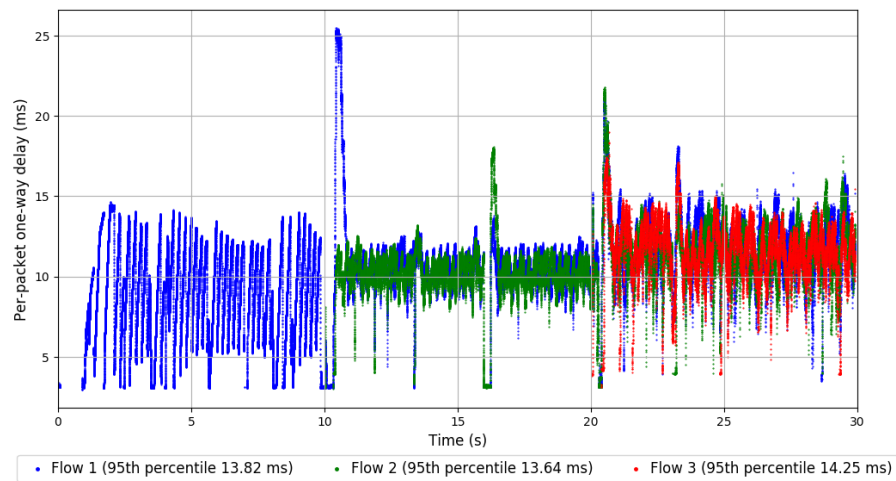
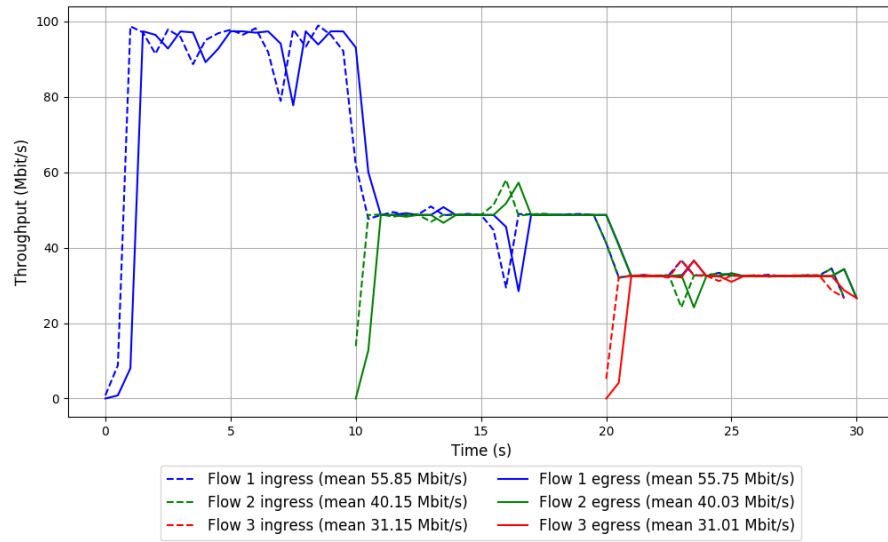


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-10 04:27:15
End at: 2018-08-10 04:27:45
Local clock offset: -3.558 ms
Remote clock offset: -3.744 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 13.860 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 55.75 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 40.03 Mbit/s
95th percentile per-packet one-way delay: 13.642 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 14.247 ms
Loss rate: 0.46%

Run 10: Report of QUIC Cubic — Data Link

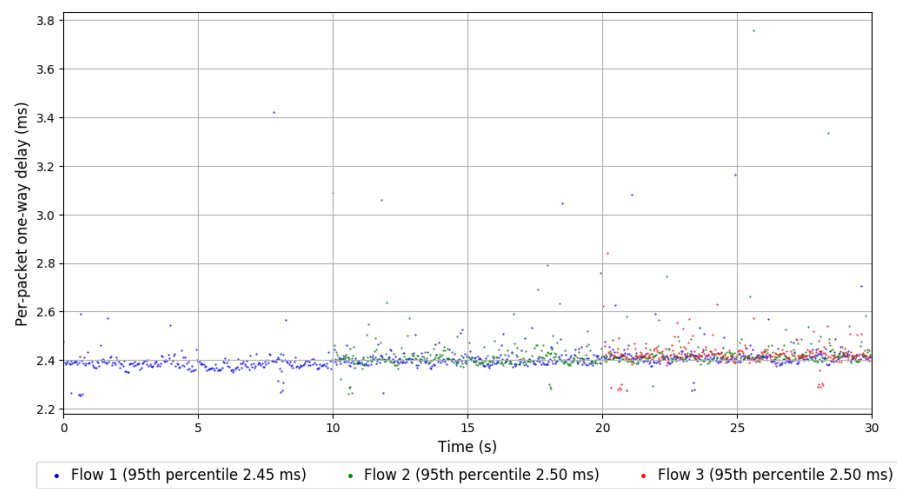
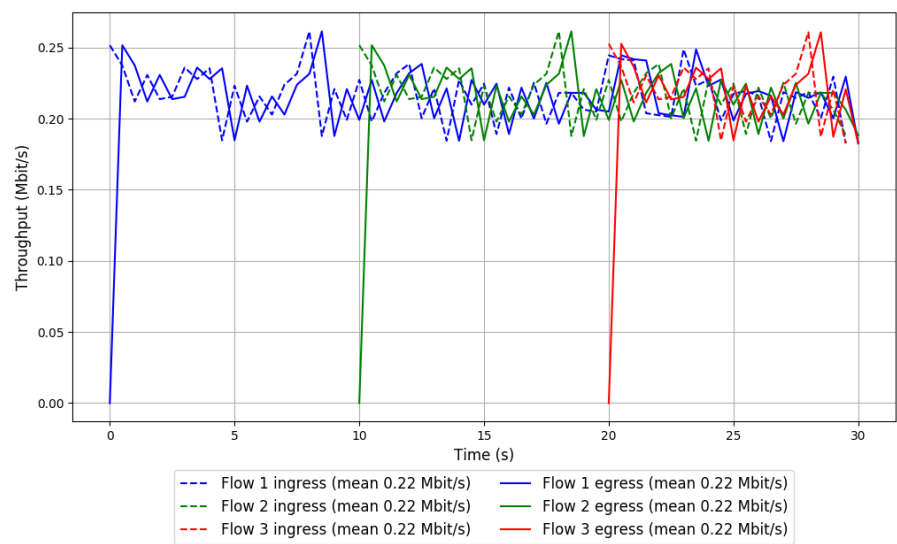


Run 1: Statistics of SReAM

Start at: 2018-08-10 01:24:39
End at: 2018-08-10 01:25:09
Local clock offset: -3.665 ms
Remote clock offset: -2.557 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.477 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

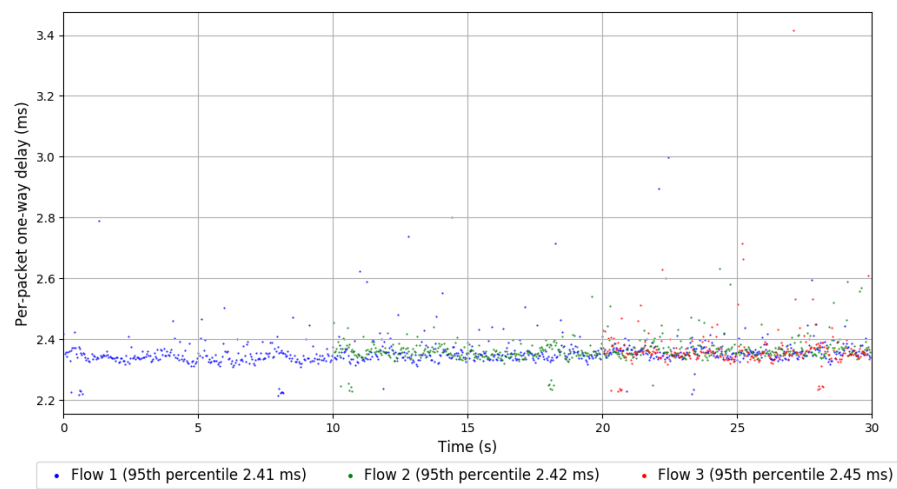
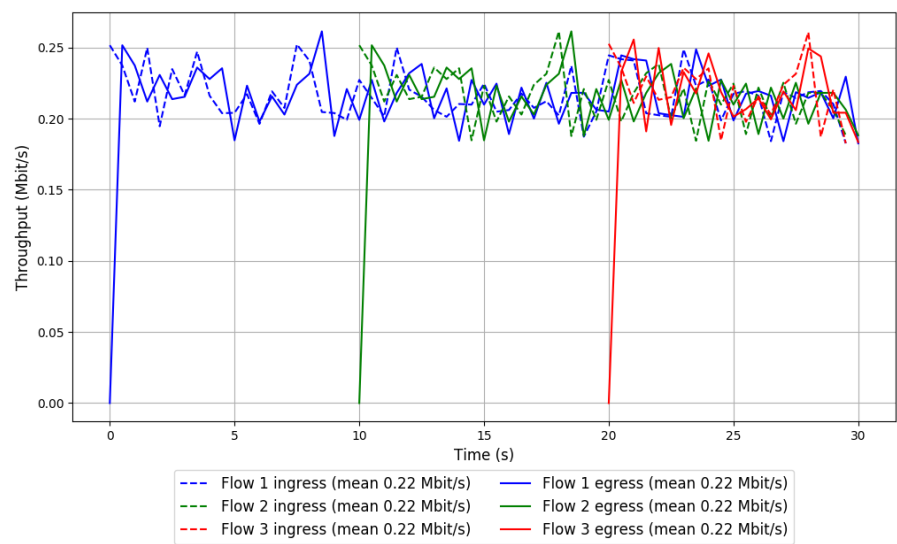


```
Run 2: Statistics of SReAM

Start at: 2018-08-10 01:43:49
End at: 2018-08-10 01:44:19
Local clock offset: -3.739 ms
Remote clock offset: -1.77 ms

# Below is generated by plot.py at 2018-08-10 04:52:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.418 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.419 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.35%
```

Run 2: Report of SReAM — Data Link

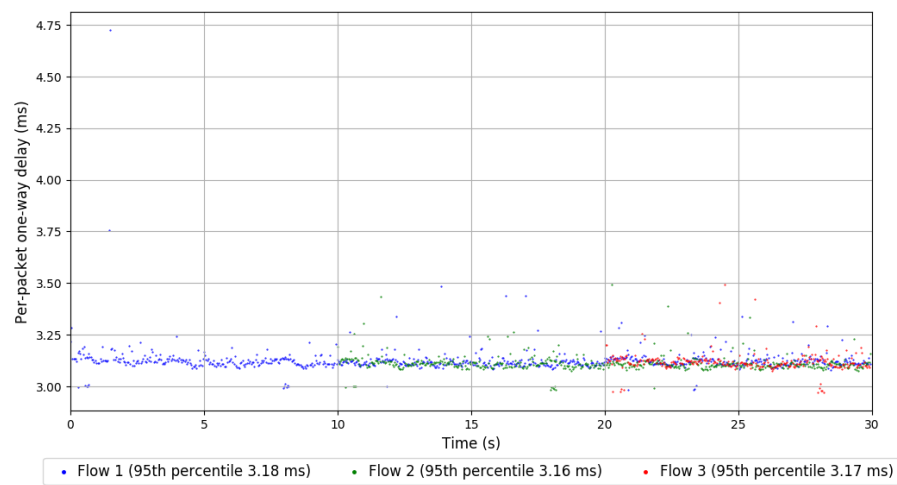
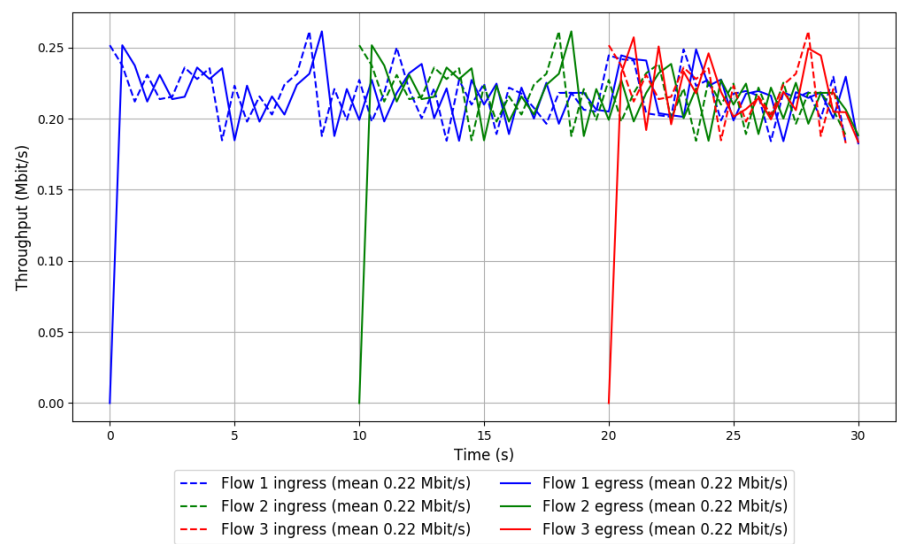


Run 3: Statistics of SReAM

Start at: 2018-08-10 02:03:00
End at: 2018-08-10 02:03:30
Local clock offset: -1.871 ms
Remote clock offset: -2.094 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.179 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.182 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.160 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.174 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

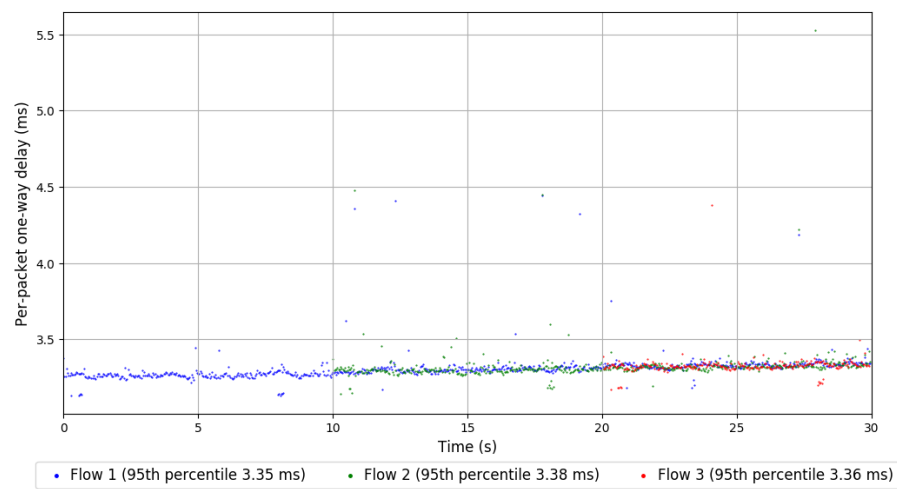
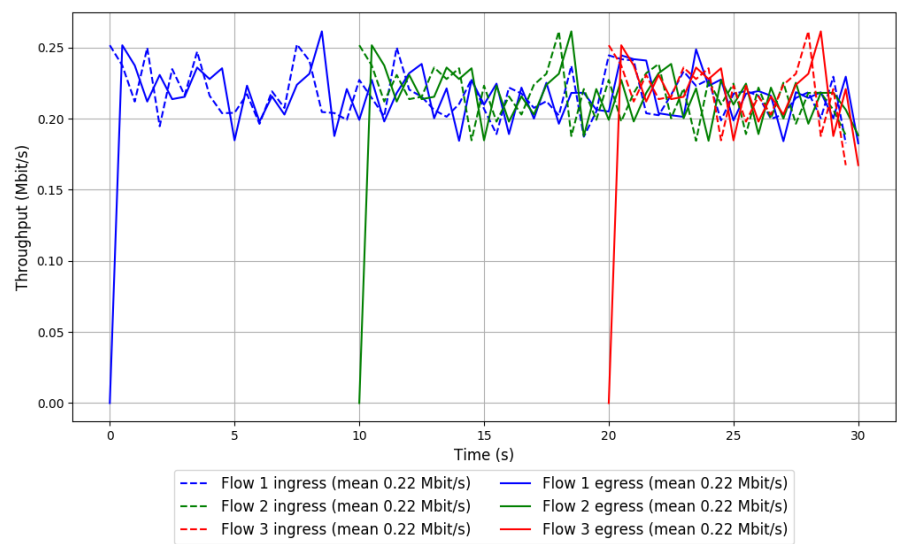


Run 4: Statistics of SReAM

Start at: 2018-08-10 02:22:09
End at: 2018-08-10 02:22:39
Local clock offset: -2.088 ms
Remote clock offset: -1.542 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.352 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.376 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.360 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

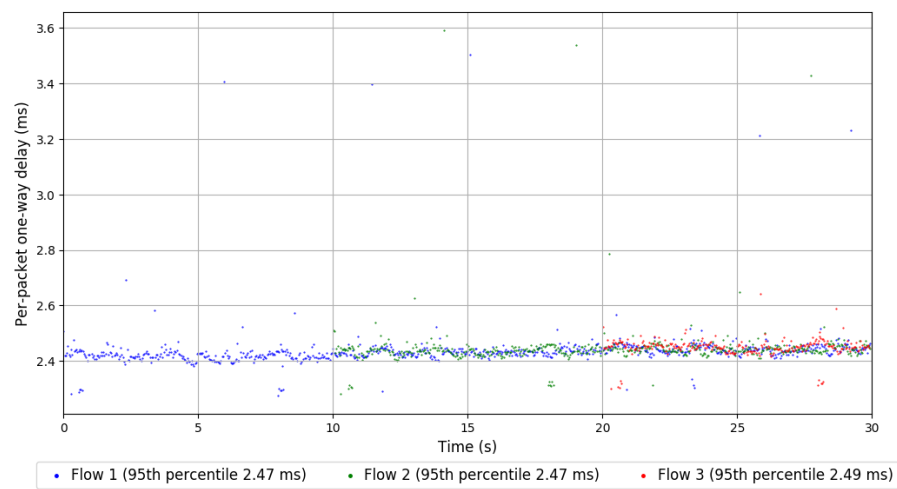
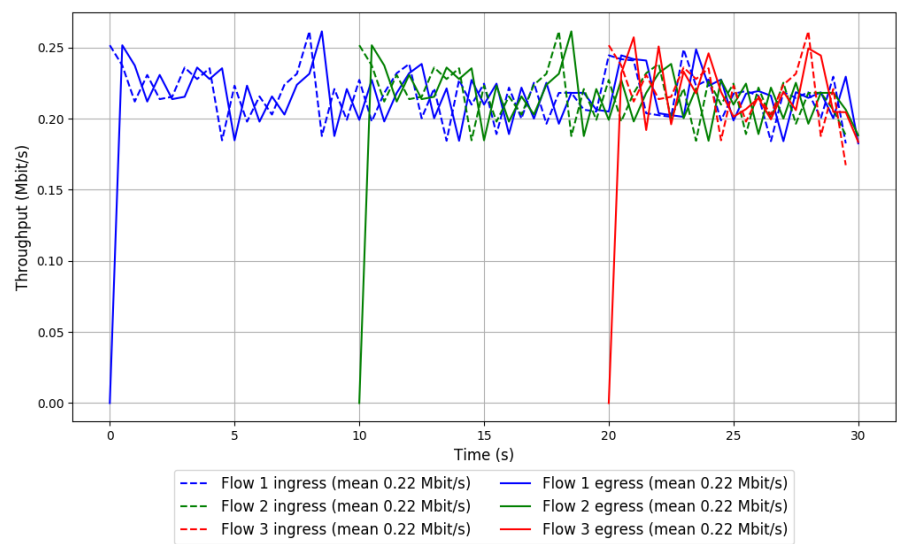


Run 5: Statistics of SReAM

Start at: 2018-08-10 02:41:19
End at: 2018-08-10 02:41:49
Local clock offset: -3.54 ms
Remote clock offset: -0.274 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.466 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.486 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-08-10 03:00:28

End at: 2018-08-10 03:00:58

Local clock offset: -5.175 ms

Remote clock offset: 0.416 ms

Below is generated by plot.py at 2018-08-10 04:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.659 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.661 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.658 ms

Loss rate: 0.00%

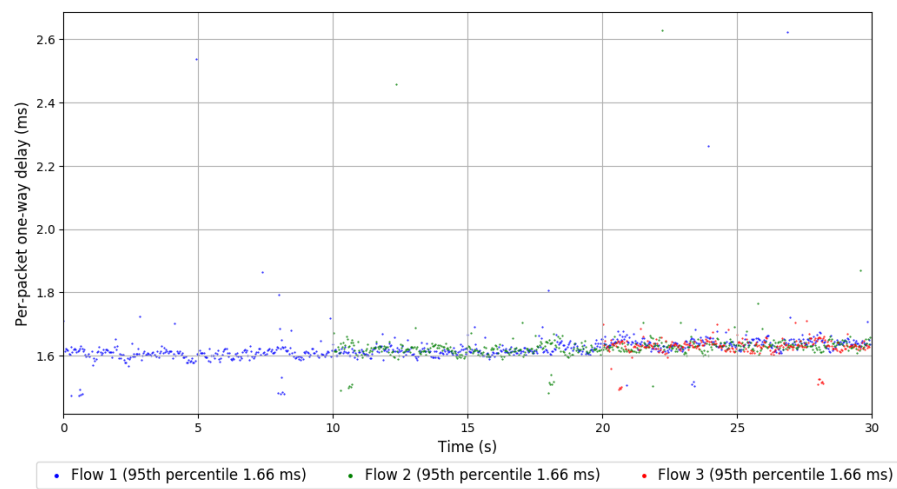
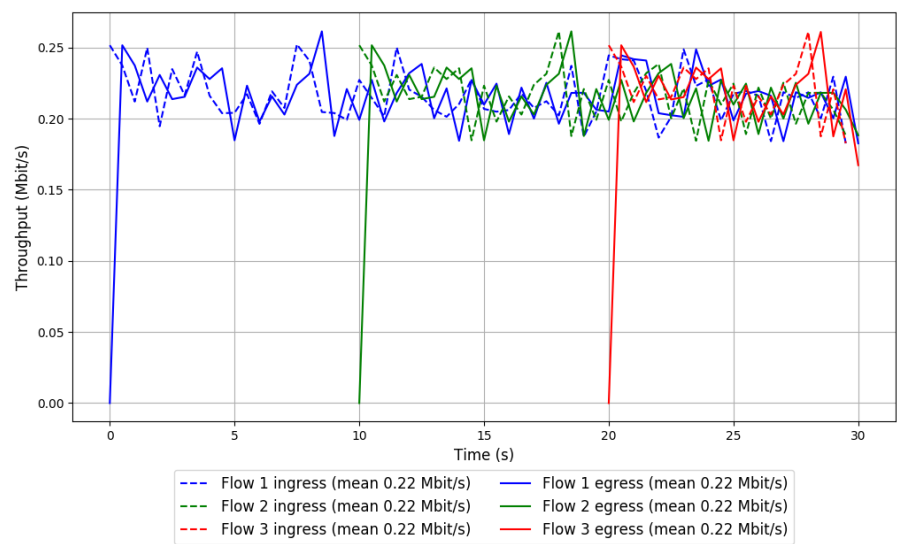
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.659 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link

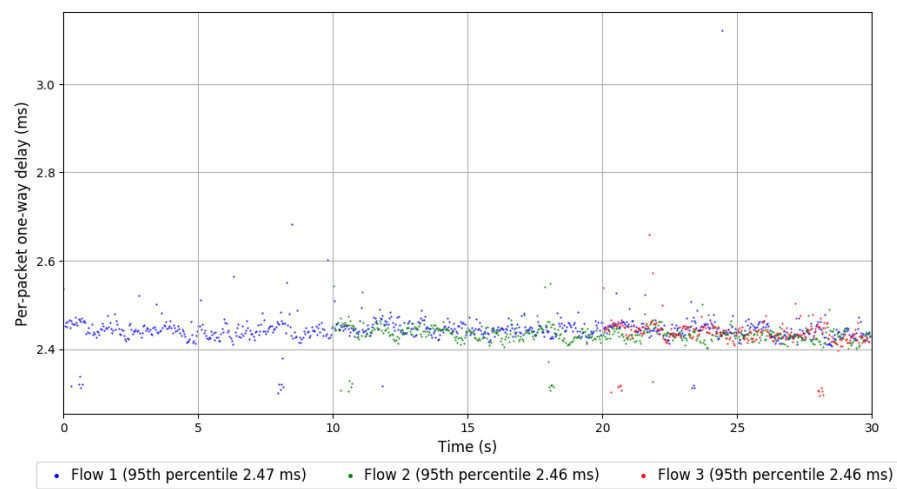
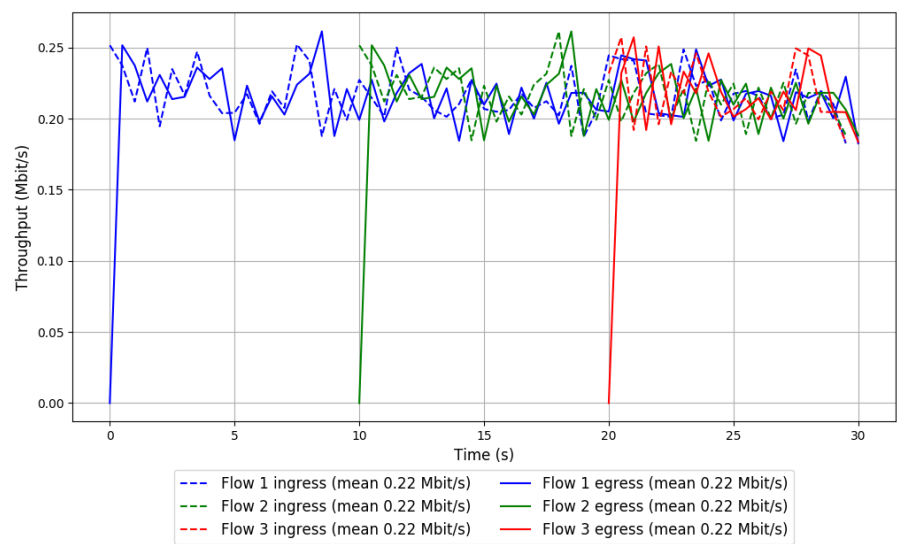


Run 7: Statistics of SReAM

Start at: 2018-08-10 03:19:39
End at: 2018-08-10 03:20:09
Local clock offset: -4.62 ms
Remote clock offset: 0.909 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.471 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: 2.465 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-08-10 03:38:49

End at: 2018-08-10 03:39:19

Local clock offset: -4.5 ms

Remote clock offset: -2.59 ms

Below is generated by plot.py at 2018-08-10 04:52:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.437 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.443 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.416 ms

Loss rate: 0.00%

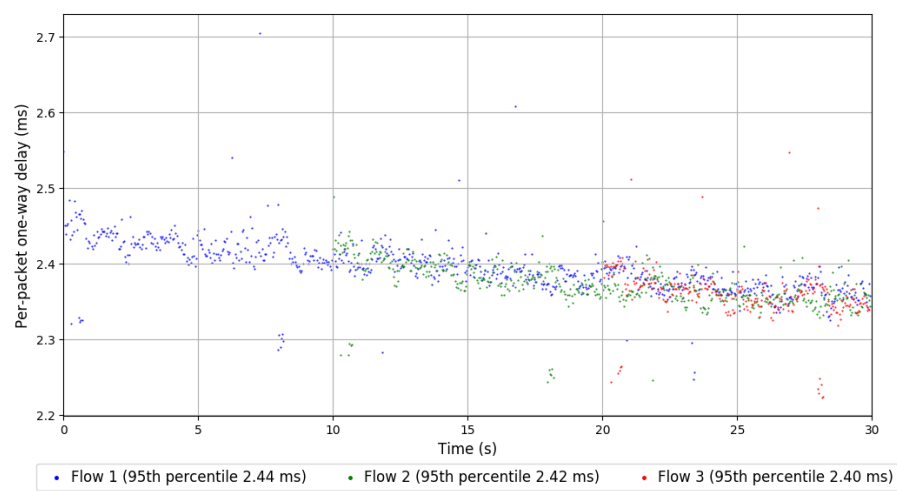
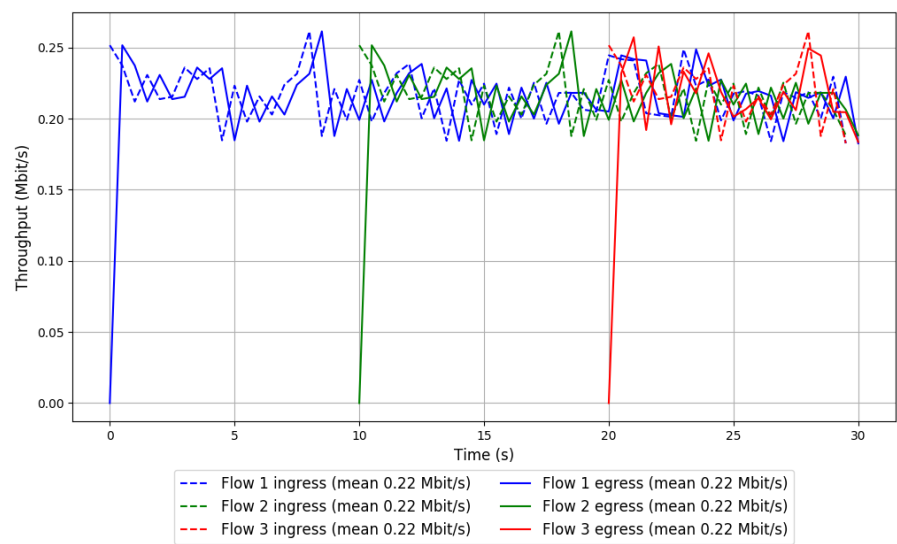
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.399 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link

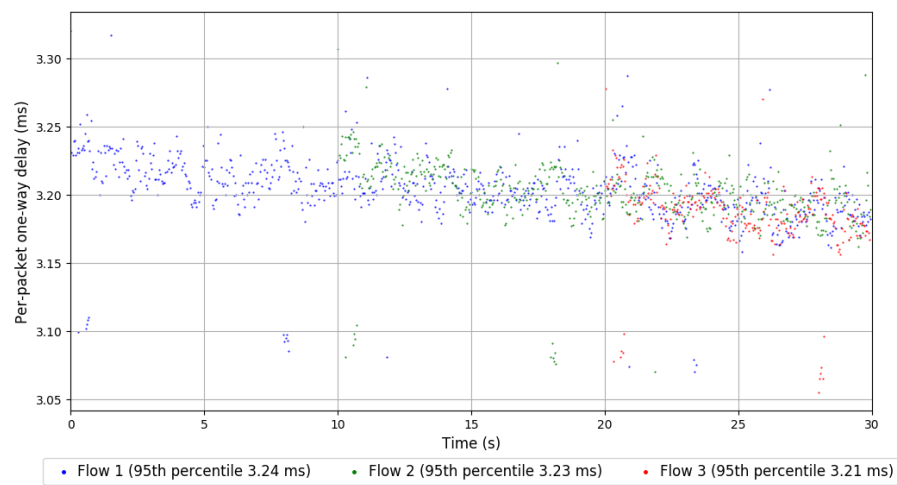
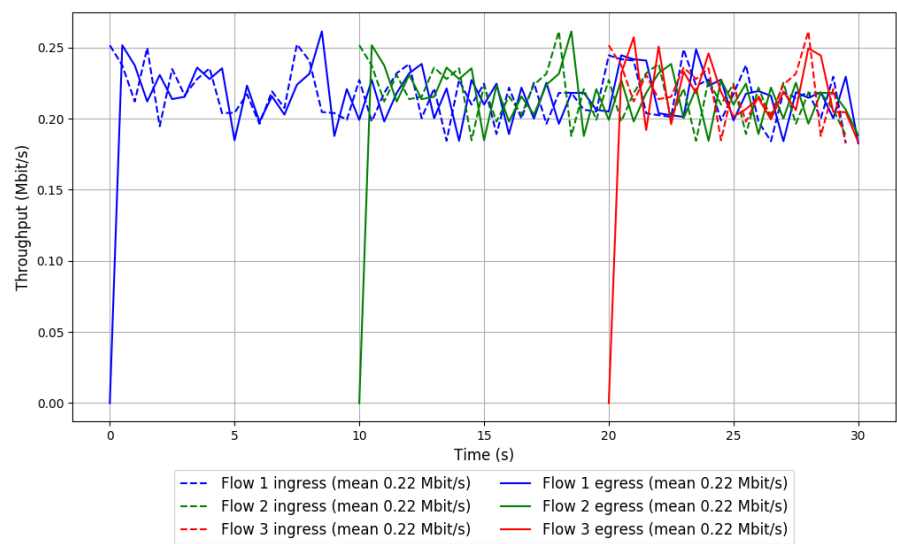


Run 9: Statistics of SReAM

Start at: 2018-08-10 03:57:59
End at: 2018-08-10 03:58:29
Local clock offset: -3.543 ms
Remote clock offset: -4.498 ms

Below is generated by plot.py at 2018-08-10 04:52:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.234 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.231 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.215 ms
Loss rate: 0.35%

Run 9: Report of SReAM — Data Link

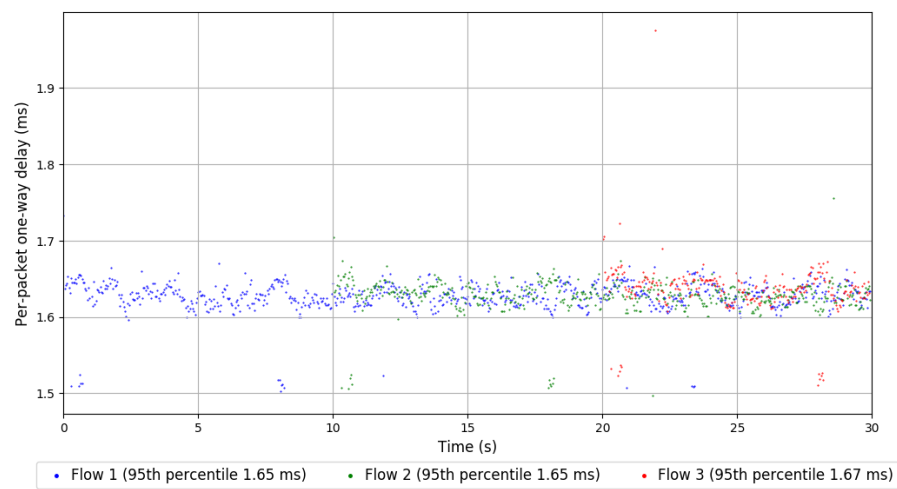
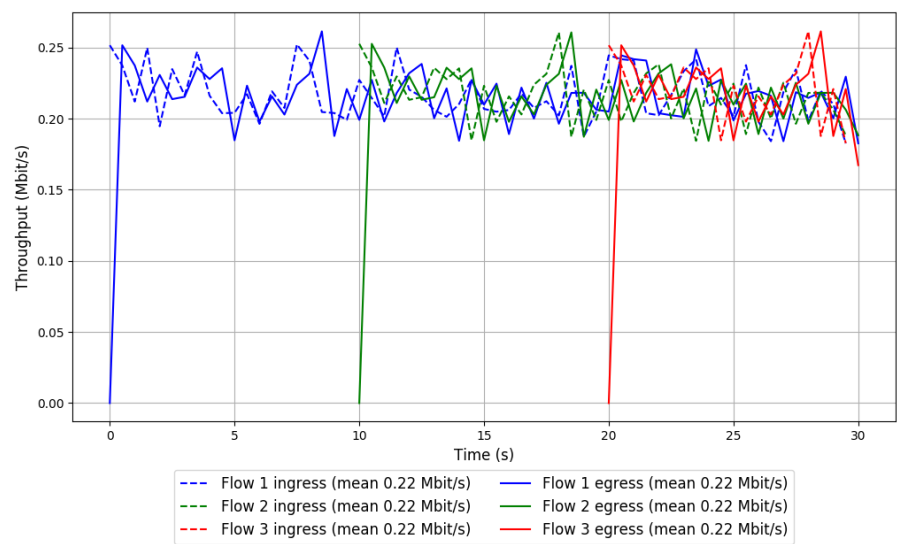


Run 10: Statistics of SReAM

Start at: 2018-08-10 04:17:09
End at: 2018-08-10 04:17:39
Local clock offset: -5.095 ms
Remote clock offset: -3.721 ms

Below is generated by plot.py at 2018-08-10 04:52:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 1.654 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.652 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.652 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.666 ms
Loss rate: 0.35%

Run 10: Report of SCReAM — Data Link

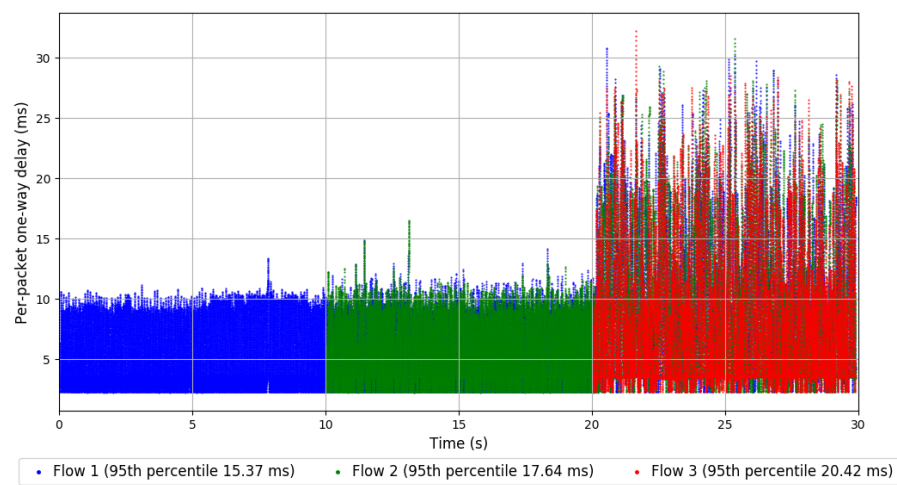
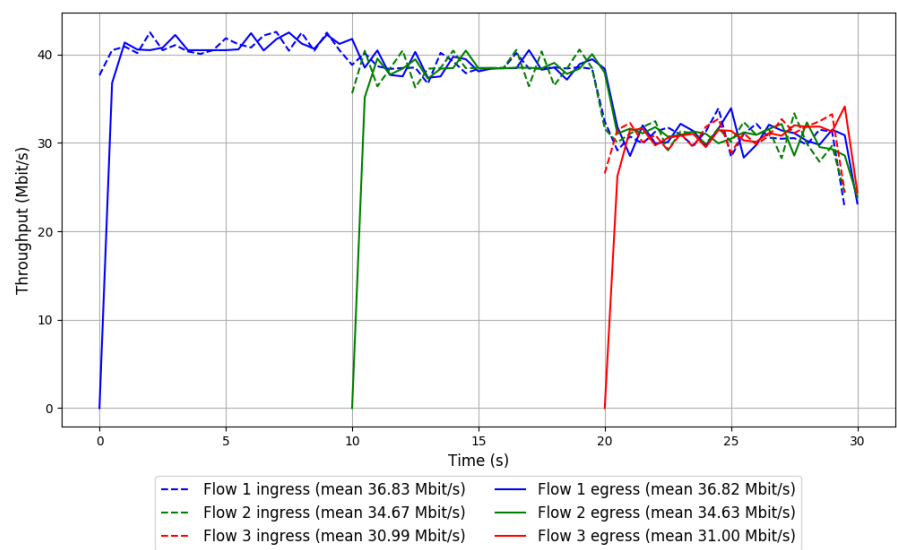


Run 1: Statistics of Sprout

Start at: 2018-08-10 01:21:16
End at: 2018-08-10 01:21:46
Local clock offset: -3.612 ms
Remote clock offset: -2.611 ms

Below is generated by plot.py at 2018-08-10 04:52:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.08 Mbit/s
95th percentile per-packet one-way delay: 17.479 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 15.365 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 17.636 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 20.417 ms
Loss rate: 0.06%

Run 1: Report of Sprout — Data Link

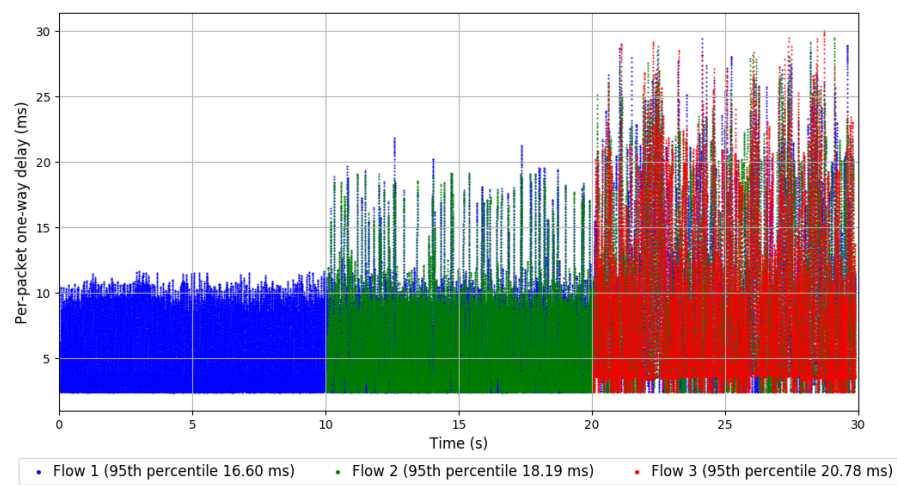
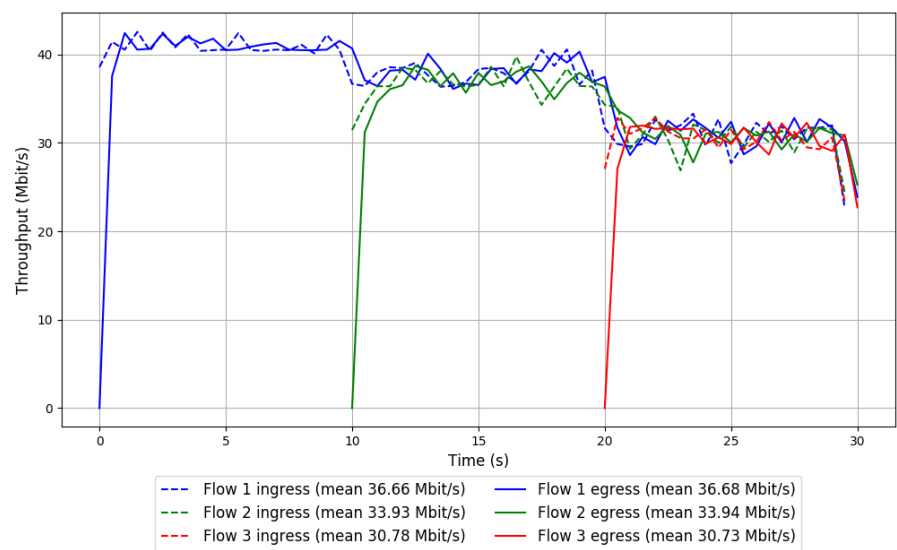


Run 2: Statistics of Sprout

Start at: 2018-08-10 01:40:25
End at: 2018-08-10 01:40:55
Local clock offset: -3.727 ms
Remote clock offset: -1.951 ms

Below is generated by plot.py at 2018-08-10 04:52:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 18.176 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 16.596 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 18.192 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 20.781 ms
Loss rate: 0.11%

Run 2: Report of Sprout — Data Link

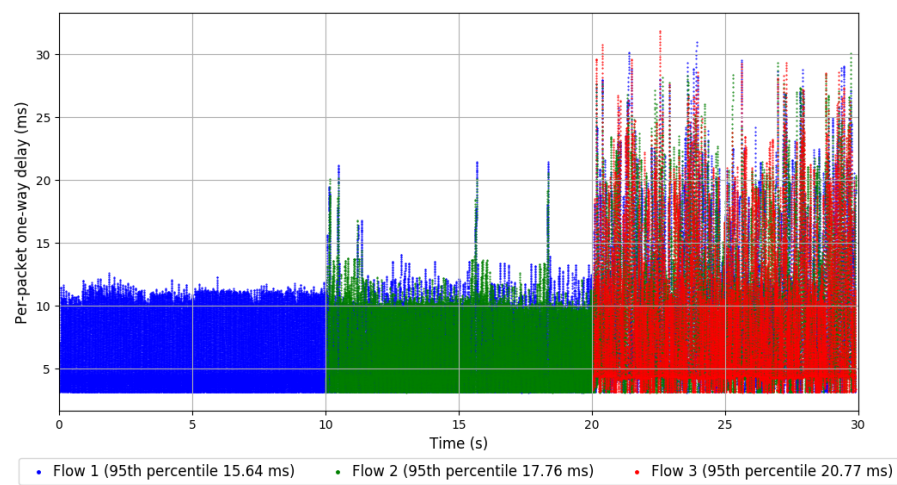
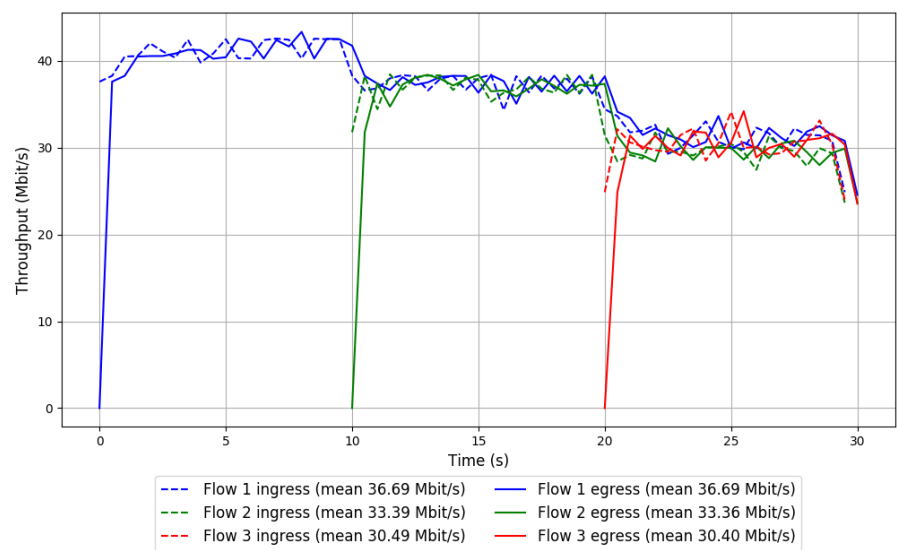


Run 3: Statistics of Sprout

Start at: 2018-08-10 01:59:36
End at: 2018-08-10 02:00:06
Local clock offset: -1.981 ms
Remote clock offset: -2.175 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 17.735 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.69 Mbit/s
95th percentile per-packet one-way delay: 15.643 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.36 Mbit/s
95th percentile per-packet one-way delay: 17.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.40 Mbit/s
95th percentile per-packet one-way delay: 20.767 ms
Loss rate: 0.33%
```

Run 3: Report of Sprout — Data Link

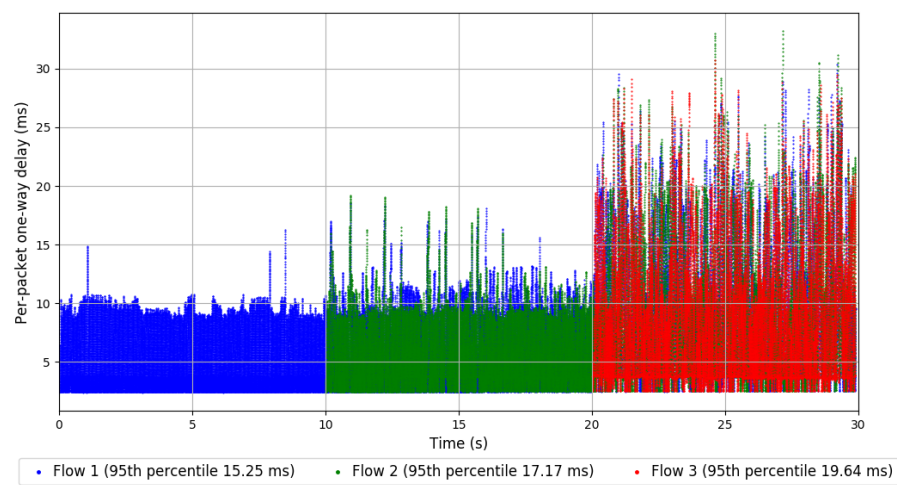
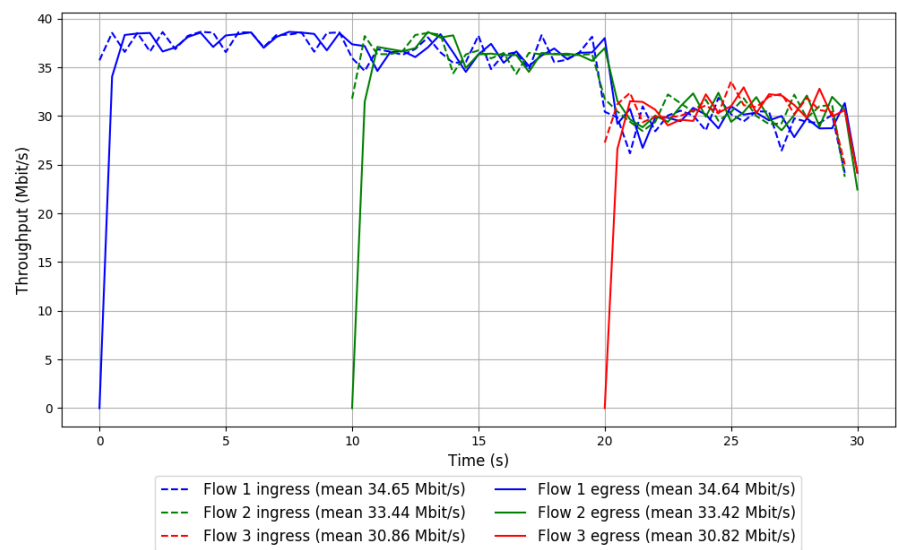


Run 4: Statistics of Sprout

Start at: 2018-08-10 02:18:46
End at: 2018-08-10 02:19:16
Local clock offset: -2.626 ms
Remote clock offset: -1.912 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.03 Mbit/s
95th percentile per-packet one-way delay: 17.055 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 15.249 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.42 Mbit/s
95th percentile per-packet one-way delay: 17.173 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.82 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.31%
```

Run 4: Report of Sprout — Data Link

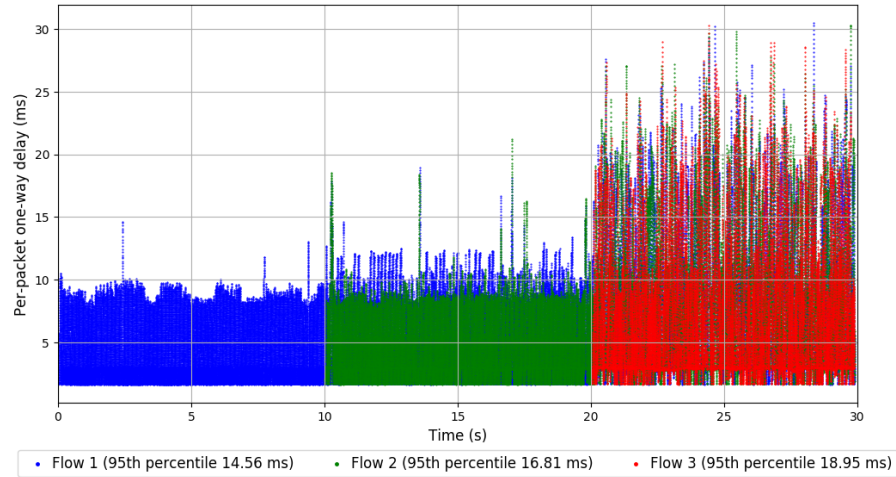
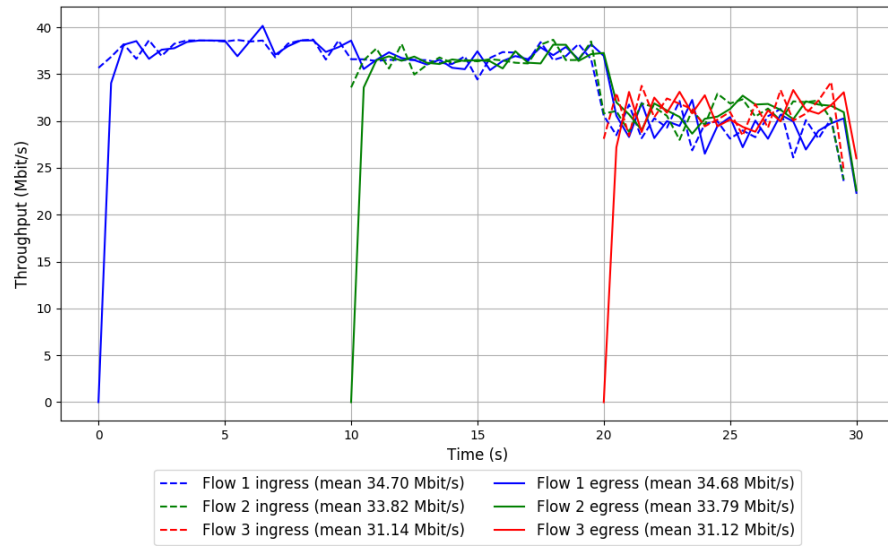


Run 5: Statistics of Sprout

Start at: 2018-08-10 02:37:56
End at: 2018-08-10 02:38:26
Local clock offset: -4.268 ms
Remote clock offset: -0.431 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.42 Mbit/s
95th percentile per-packet one-way delay: 16.536 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 34.68 Mbit/s
95th percentile per-packet one-way delay: 14.562 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 16.814 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 18.955 ms
Loss rate: 0.05%
```

Run 5: Report of Sprout — Data Link

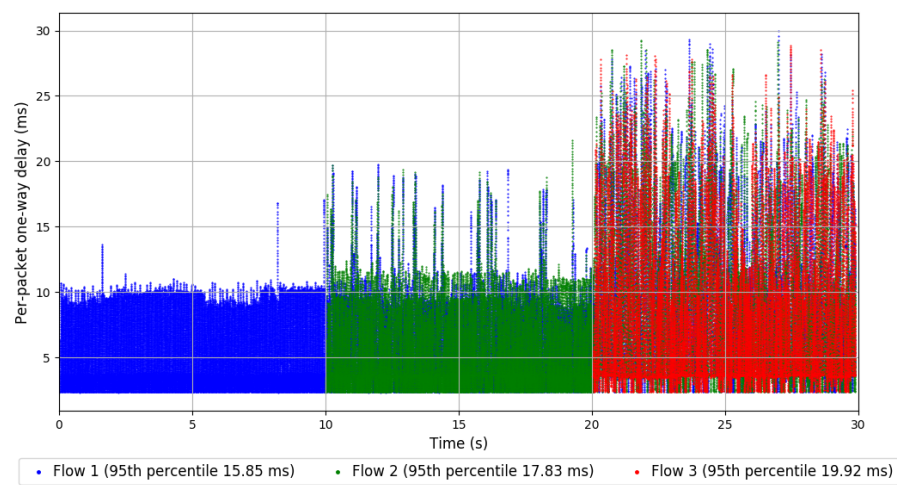
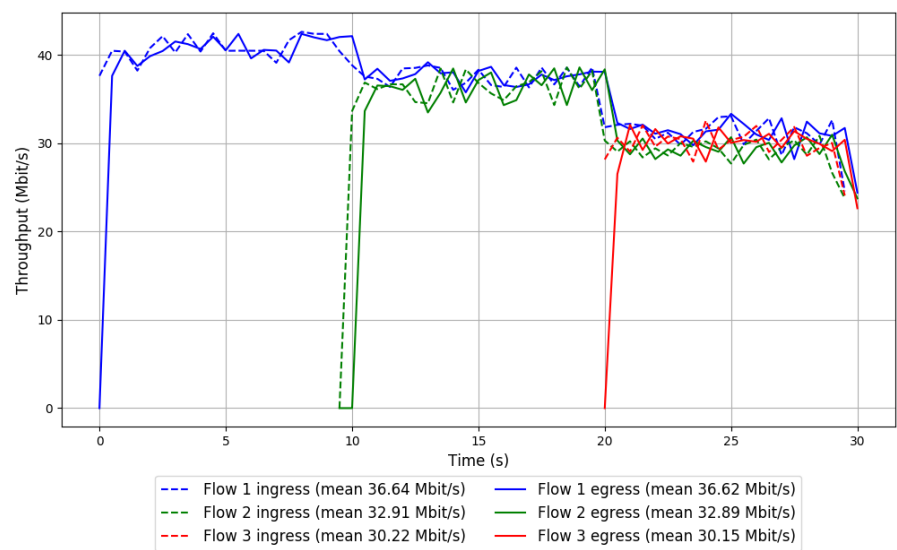


Run 6: Statistics of Sprout

Start at: 2018-08-10 02:57:05
End at: 2018-08-10 02:57:35
Local clock offset: -4.279 ms
Remote clock offset: 0.309 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 15.848 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 32.89 Mbit/s
95th percentile per-packet one-way delay: 17.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 19.917 ms
Loss rate: 0.24%
```


Run 6: Report of Sprout — Data Link

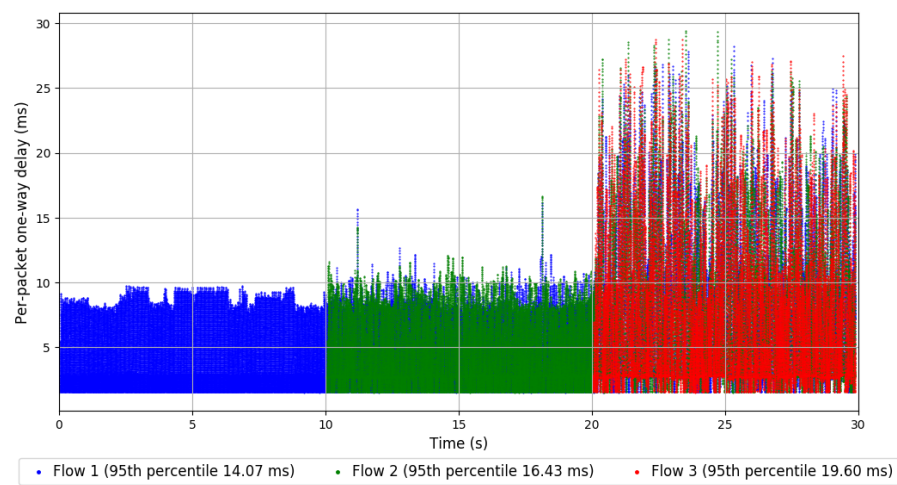
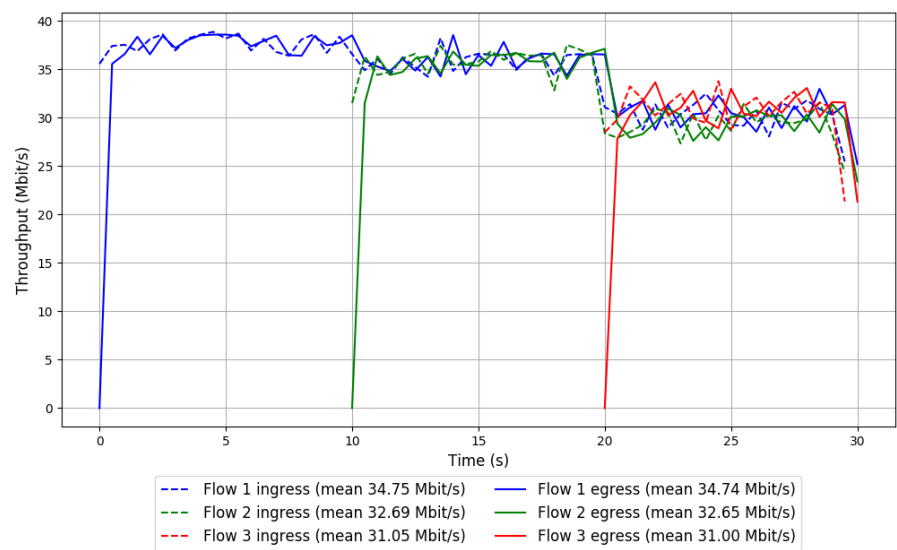


Run 7: Statistics of Sprout

Start at: 2018-08-10 03:16:16
End at: 2018-08-10 03:16:46
Local clock offset: -5.561 ms
Remote clock offset: 0.855 ms

```
# Below is generated by plot.py at 2018-08-10 04:52:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.68 Mbit/s
95th percentile per-packet one-way delay: 16.399 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 34.74 Mbit/s
95th percentile per-packet one-way delay: 14.069 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 16.428 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 19.598 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

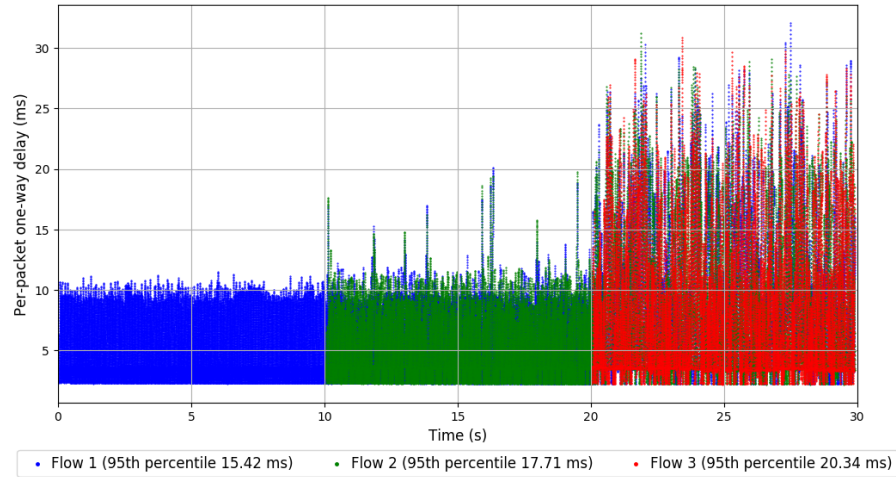
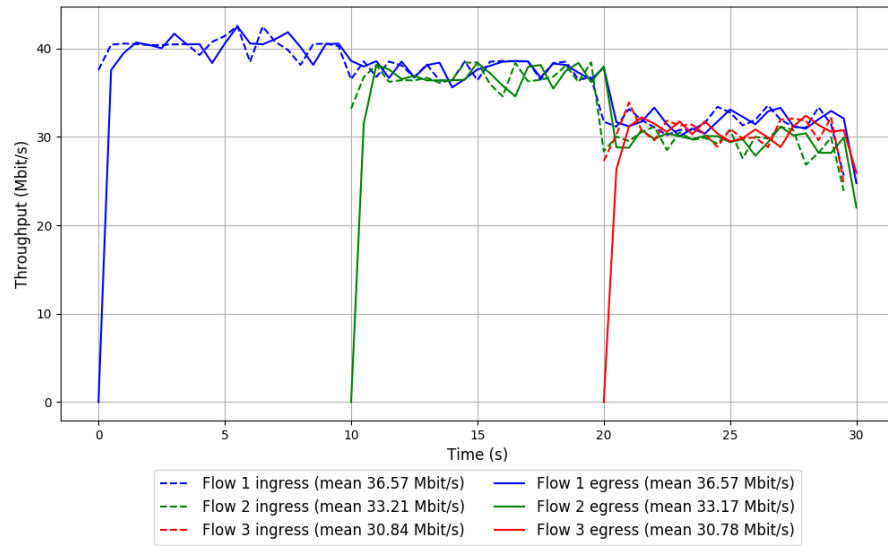


Run 8: Statistics of Sprout

Start at: 2018-08-10 03:35:25
End at: 2018-08-10 03:35:55
Local clock offset: -4.466 ms
Remote clock offset: -1.791 ms

```
# Below is generated by plot.py at 2018-08-10 04:53:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 17.516 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 36.57 Mbit/s
95th percentile per-packet one-way delay: 15.417 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 17.711 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 20.340 ms
Loss rate: 0.06%
```

Run 8: Report of Sprout — Data Link

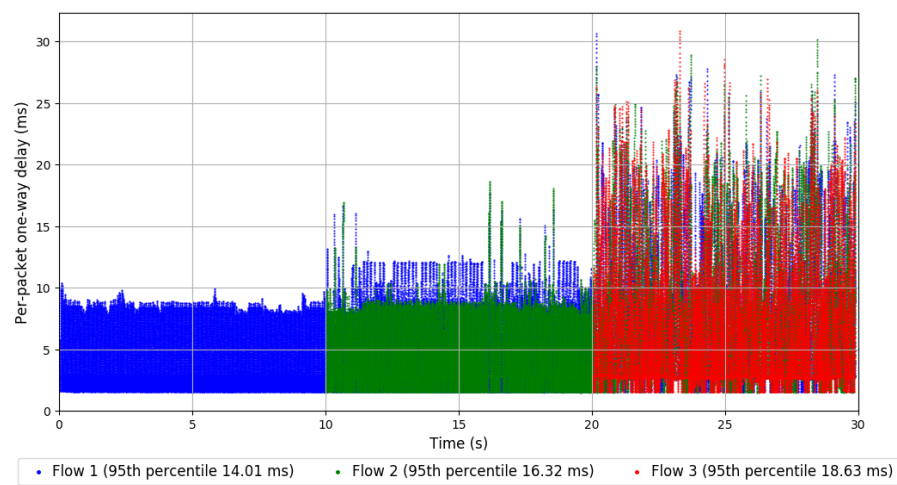
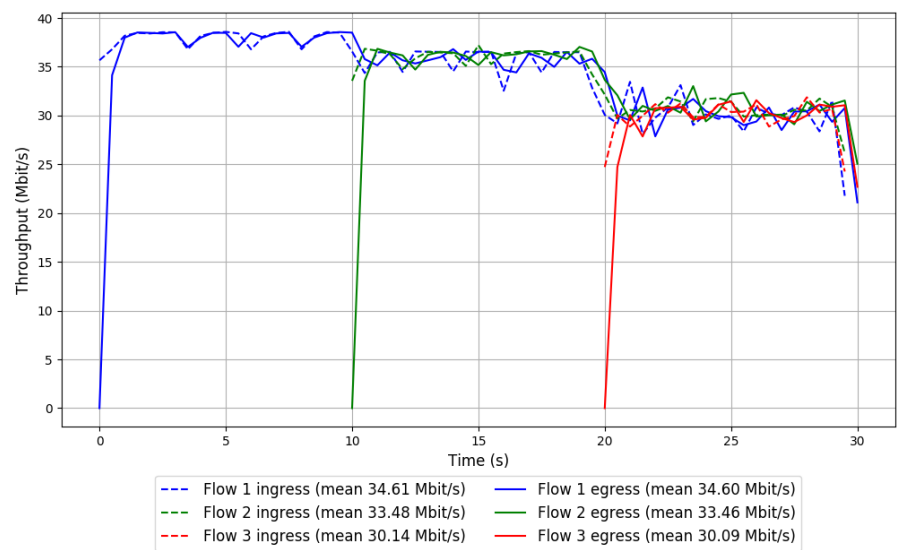


Run 9: Statistics of Sprout

Start at: 2018-08-10 03:54:35
End at: 2018-08-10 03:55:05
Local clock offset: -5.156 ms
Remote clock offset: -4.238 ms

Below is generated by plot.py at 2018-08-10 04:53:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 16.022 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 14.011 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.46 Mbit/s
95th percentile per-packet one-way delay: 16.324 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 30.09 Mbit/s
95th percentile per-packet one-way delay: 18.626 ms
Loss rate: 0.27%

Run 9: Report of Sprout — Data Link

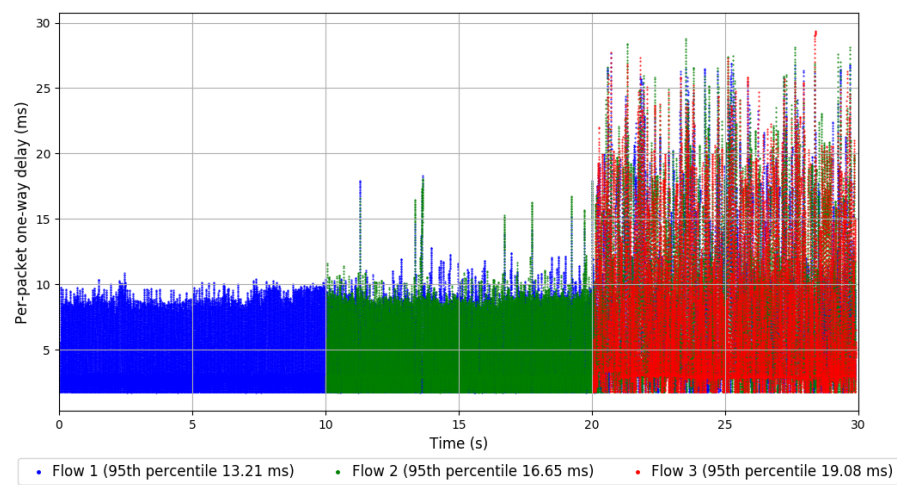
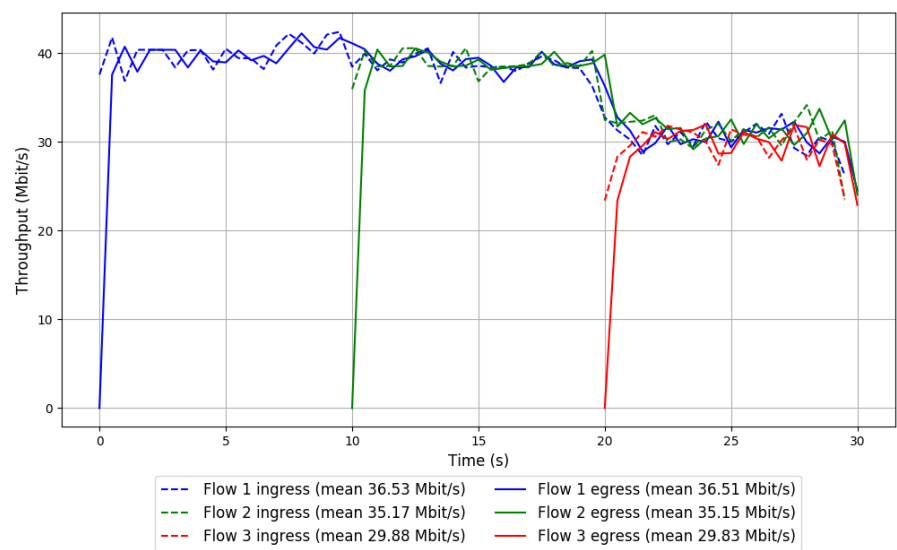


Run 10: Statistics of Sprout

Start at: 2018-08-10 04:13:45
End at: 2018-08-10 04:14:15
Local clock offset: -5.086 ms
Remote clock offset: -3.85 ms

Below is generated by plot.py at 2018-08-10 04:53:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.72 Mbit/s
95th percentile per-packet one-way delay: 16.266 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 13.213 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.15 Mbit/s
95th percentile per-packet one-way delay: 16.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.83 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.12%

Run 10: Report of Sprout — Data Link

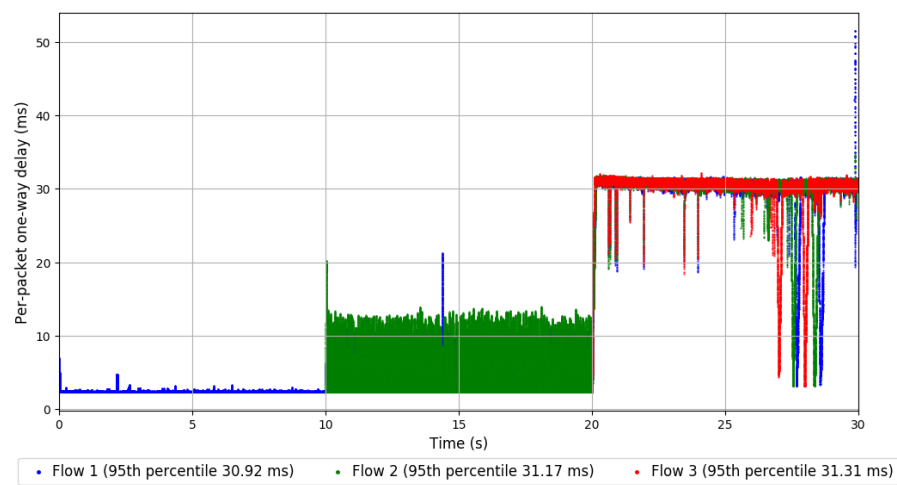
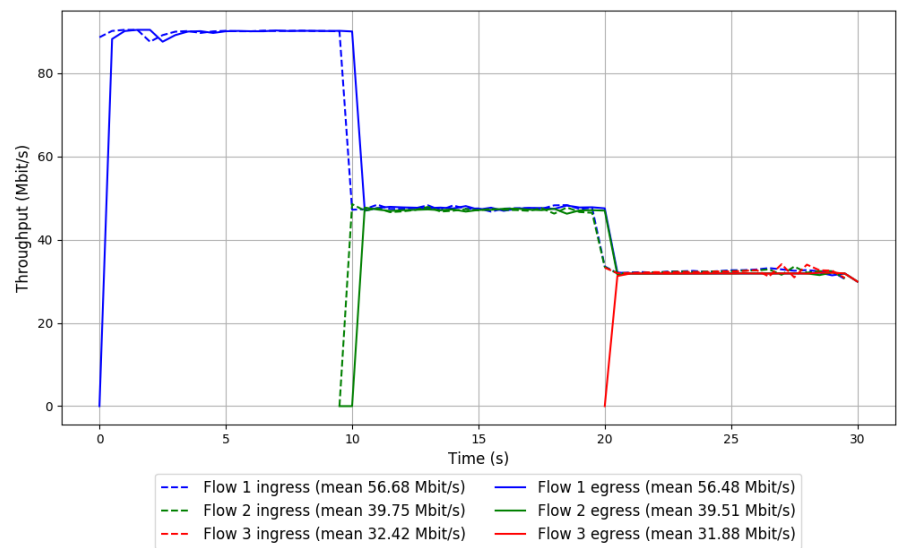


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-10 01:33:34
End at: 2018-08-10 01:34:04
Local clock offset: -3.703 ms
Remote clock offset: -2.146 ms

# Below is generated by plot.py at 2018-08-10 04:54:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 31.124 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 30.919 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 39.51 Mbit/s
95th percentile per-packet one-way delay: 31.169 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 31.88 Mbit/s
95th percentile per-packet one-way delay: 31.314 ms
Loss rate: 1.74%
```

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

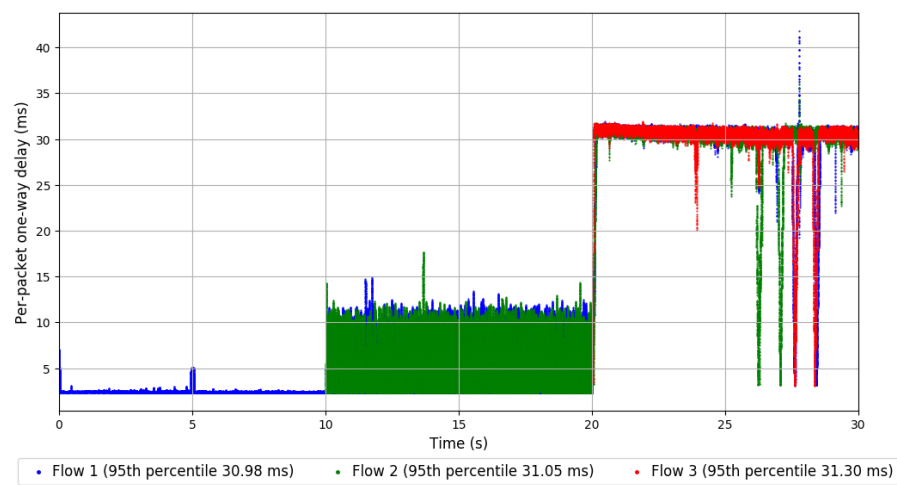
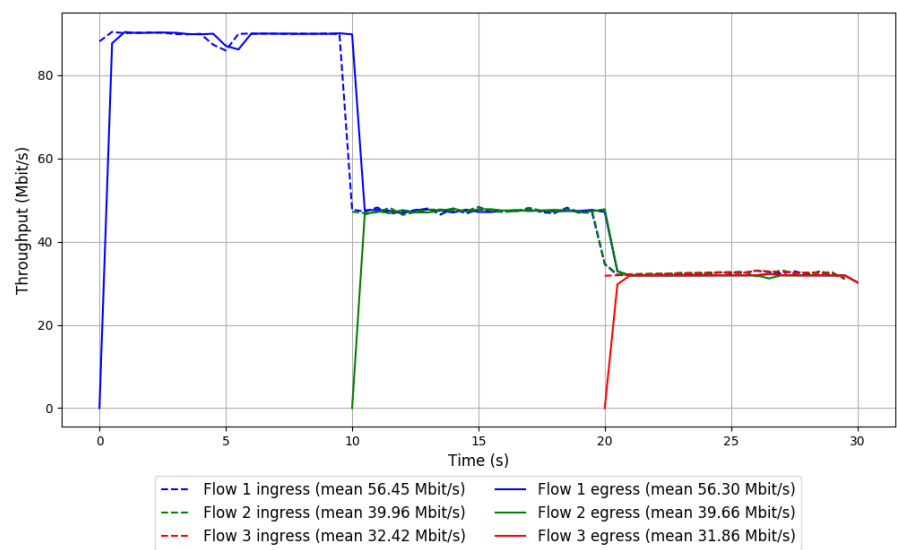


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-08-10 01:52:44
End at: 2018-08-10 01:53:14
Local clock offset: -3.067 ms
Remote clock offset: -2.155 ms

# Below is generated by plot.py at 2018-08-10 04:54:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 31.084 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 30.978 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.66 Mbit/s
95th percentile per-packet one-way delay: 31.048 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 31.296 ms
Loss rate: 1.90%
```

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

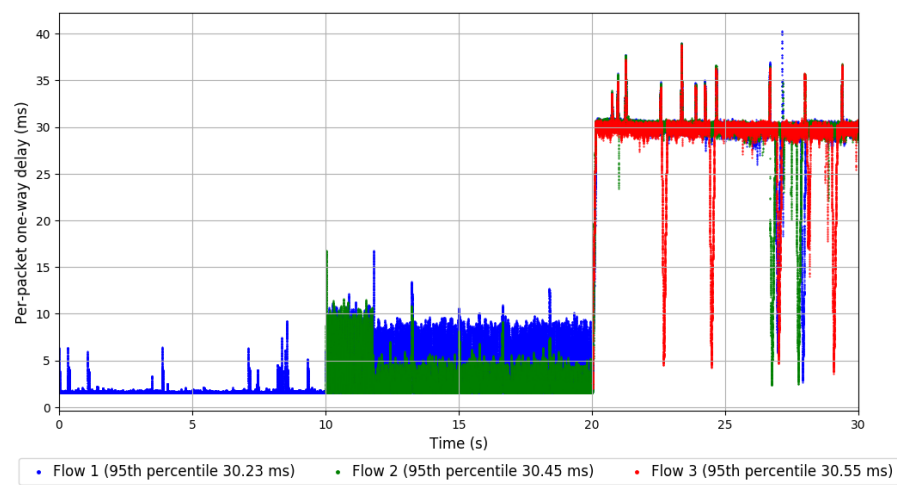
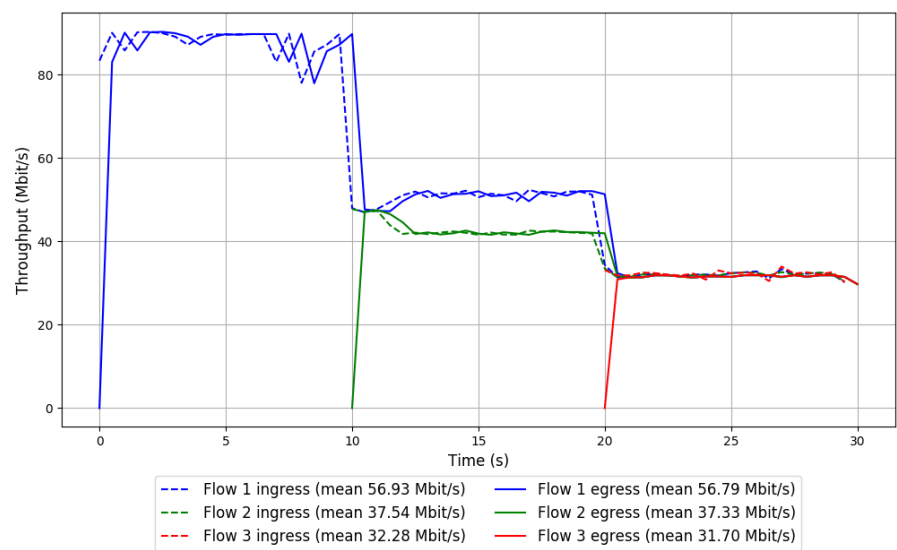


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-10 02:11:55
End at: 2018-08-10 02:12:25
Local clock offset: -3.213 ms
Remote clock offset: -2.079 ms

Below is generated by plot.py at 2018-08-10 04:54:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 30.351 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 30.227 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 30.448 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 30.549 ms
Loss rate: 1.96%

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

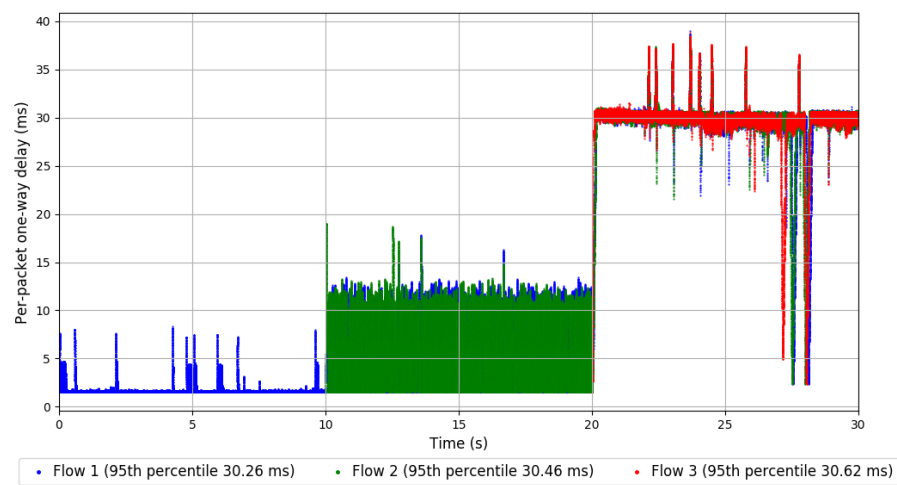
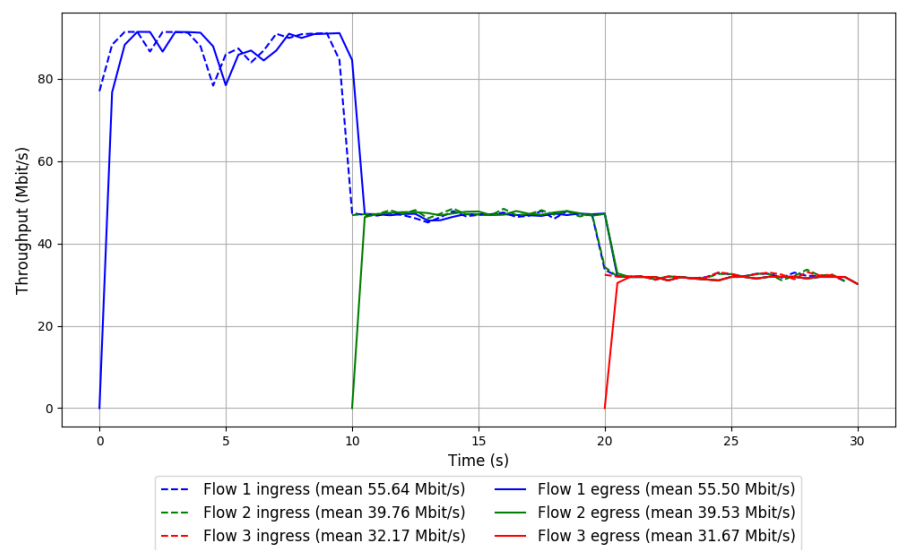


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-10 02:31:04
End at: 2018-08-10 02:31:35
Local clock offset: -4.134 ms
Remote clock offset: -0.719 ms

Below is generated by plot.py at 2018-08-10 04:54:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.36 Mbit/s
95th percentile per-packet one-way delay: 30.417 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 55.50 Mbit/s
95th percentile per-packet one-way delay: 30.262 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 39.53 Mbit/s
95th percentile per-packet one-way delay: 30.457 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 31.67 Mbit/s
95th percentile per-packet one-way delay: 30.623 ms
Loss rate: 1.71%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-10 02:50:14

End at: 2018-08-10 02:50:44

Local clock offset: -4.728 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-08-10 04:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.71 Mbit/s

95th percentile per-packet one-way delay: 11.602 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 59.58 Mbit/s

95th percentile per-packet one-way delay: 8.752 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 8.523 ms

Loss rate: 0.10%

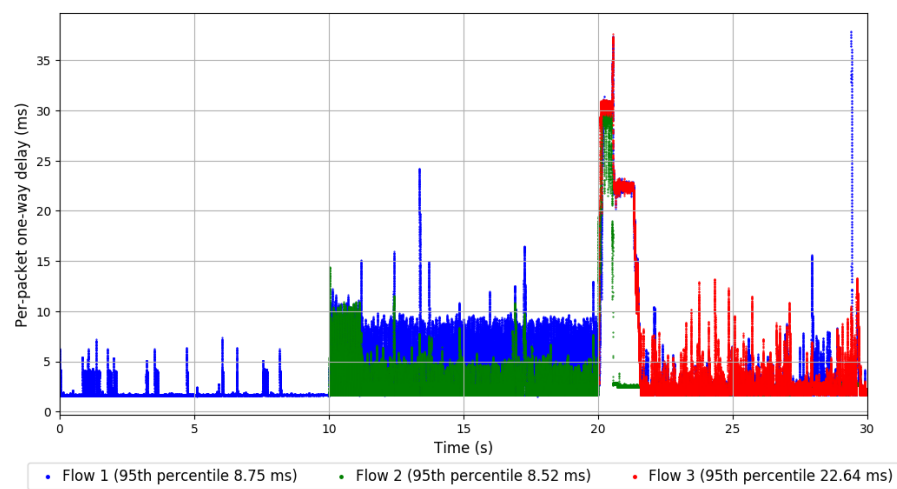
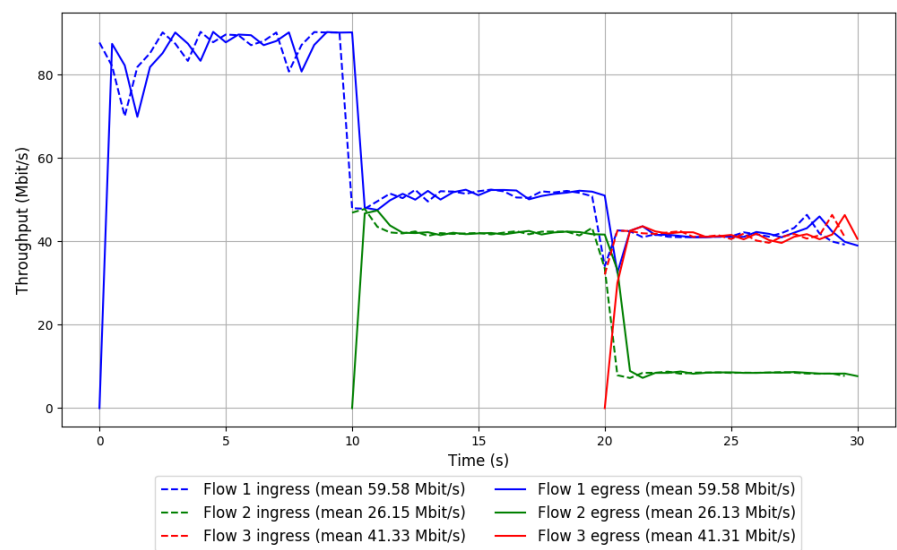
-- Flow 3:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 22.645 ms

Loss rate: 0.10%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-10 03:09:23

End at: 2018-08-10 03:09:53

Local clock offset: -5.405 ms

Remote clock offset: 0.687 ms

Below is generated by plot.py at 2018-08-10 04:55:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 30.403 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 55.58 Mbit/s

95th percentile per-packet one-way delay: 30.272 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 30.437 ms

Loss rate: 0.68%

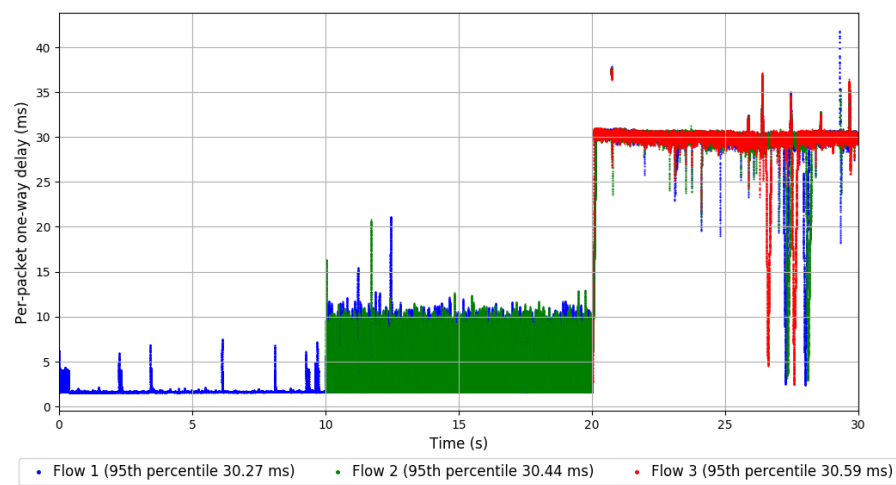
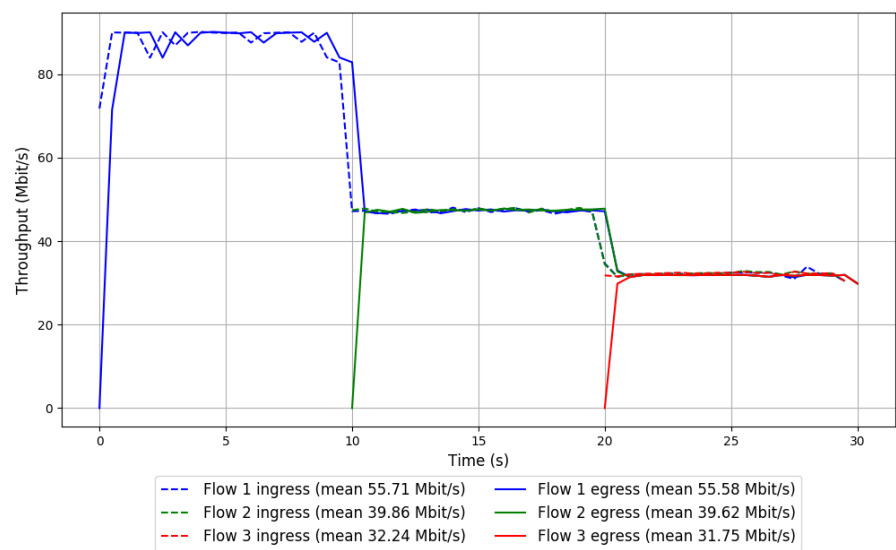
-- Flow 3:

Average throughput: 31.75 Mbit/s

95th percentile per-packet one-way delay: 30.589 ms

Loss rate: 1.70%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-08-10 03:28:34

End at: 2018-08-10 03:29:04

Local clock offset: -5.246 ms

Remote clock offset: 0.449 ms

Below is generated by plot.py at 2018-08-10 04:55:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.23 Mbit/s

95th percentile per-packet one-way delay: 30.198 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 30.037 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 39.70 Mbit/s

95th percentile per-packet one-way delay: 30.217 ms

Loss rate: 0.72%

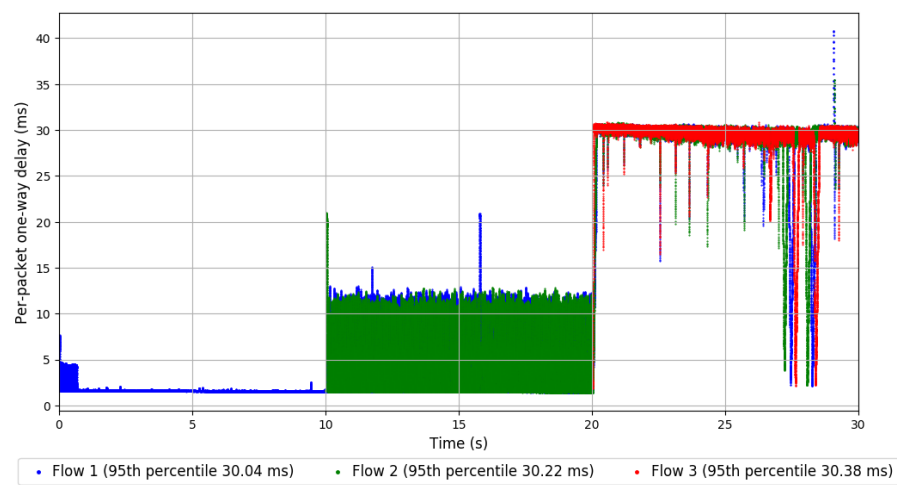
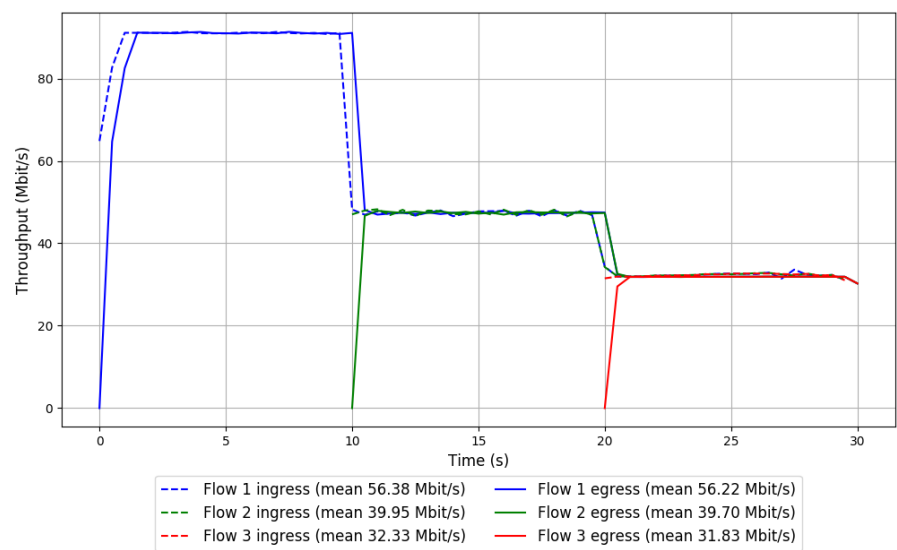
-- Flow 3:

Average throughput: 31.83 Mbit/s

95th percentile per-packet one-way delay: 30.383 ms

Loss rate: 1.73%

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

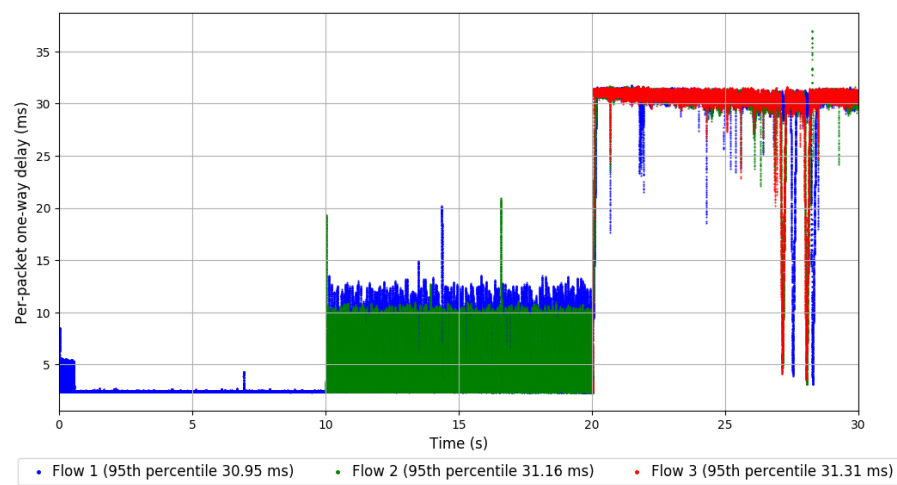
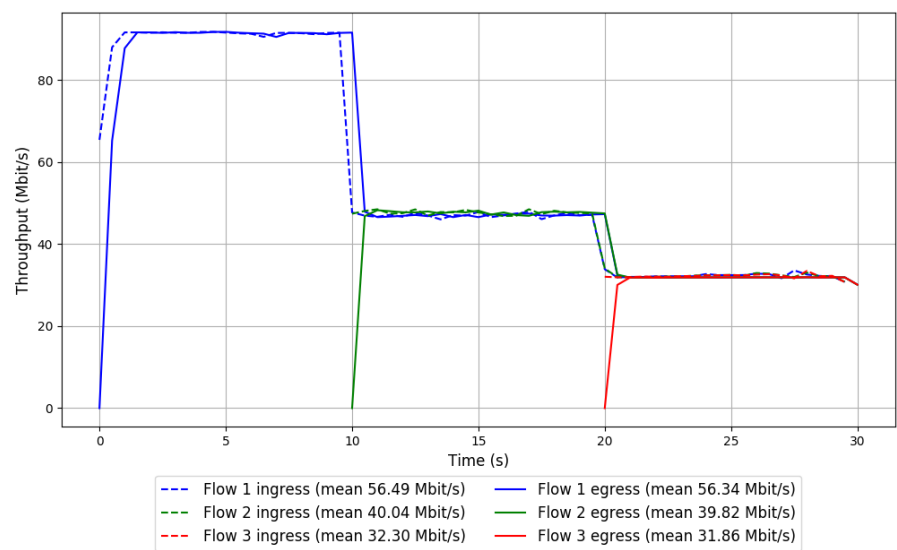


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-10 03:47:44
End at: 2018-08-10 03:48:14
Local clock offset: -4.444 ms
Remote clock offset: -3.679 ms

Below is generated by plot.py at 2018-08-10 04:55:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 31.127 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 56.34 Mbit/s
95th percentile per-packet one-way delay: 30.954 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 31.155 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 31.312 ms
Loss rate: 1.56%

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

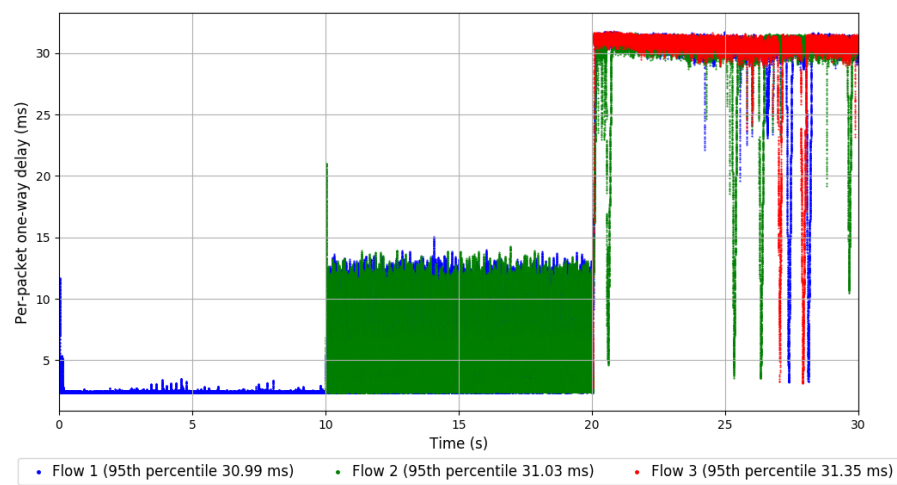
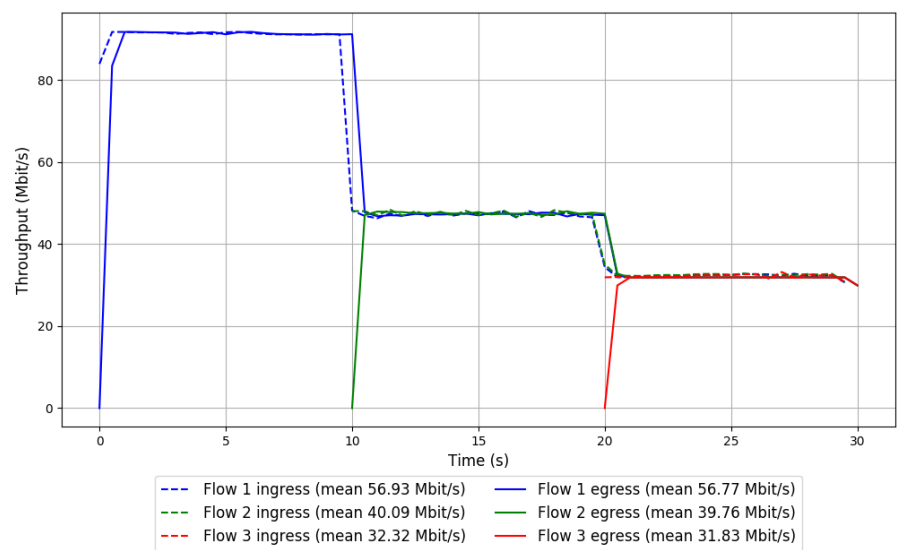


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-10 04:06:54
End at: 2018-08-10 04:07:24
Local clock offset: -4.293 ms
Remote clock offset: -4.005 ms

Below is generated by plot.py at 2018-08-10 04:56:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 31.116 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 56.77 Mbit/s
95th percentile per-packet one-way delay: 30.992 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 31.028 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 31.83 Mbit/s
95th percentile per-packet one-way delay: 31.349 ms
Loss rate: 1.68%

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

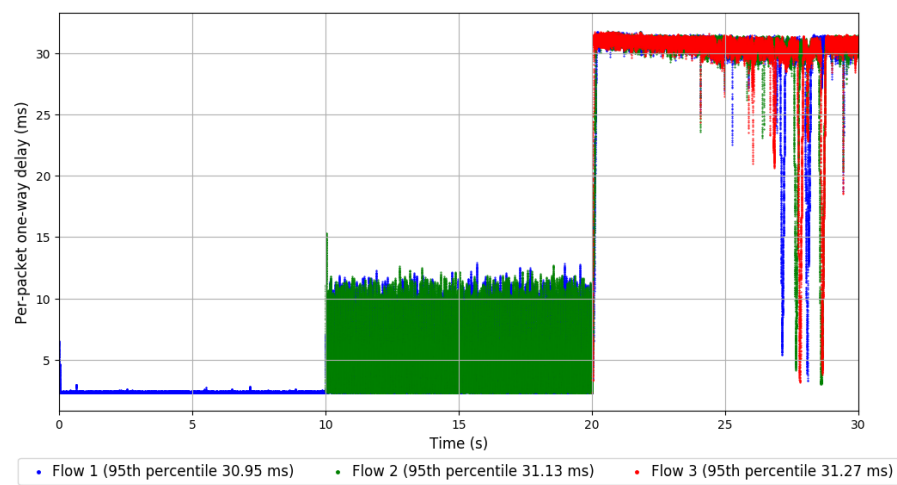
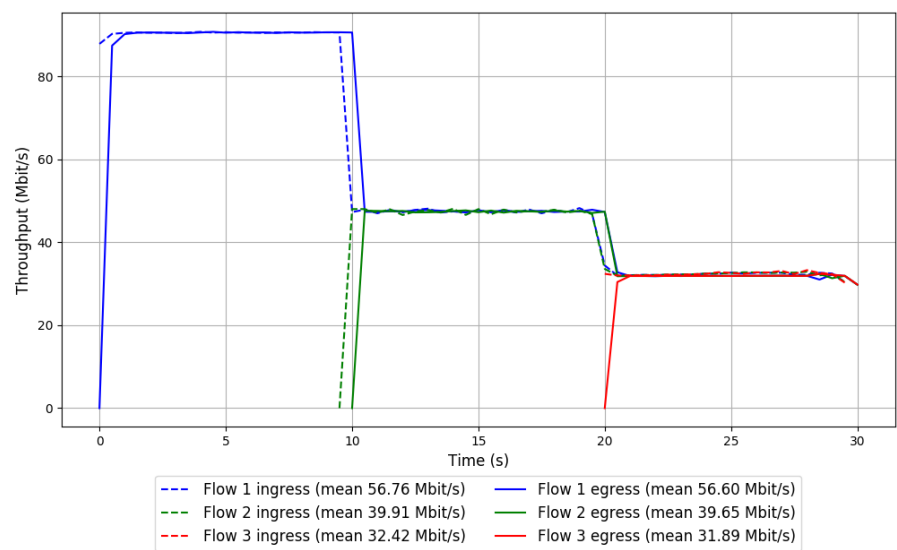


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-10 04:26:04
End at: 2018-08-10 04:26:34
Local clock offset: -4.328 ms
Remote clock offset: -3.753 ms

Below is generated by plot.py at 2018-08-10 04:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.61 Mbit/s
95th percentile per-packet one-way delay: 31.101 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 30.949 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 39.65 Mbit/s
95th percentile per-packet one-way delay: 31.128 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.270 ms
Loss rate: 1.80%

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

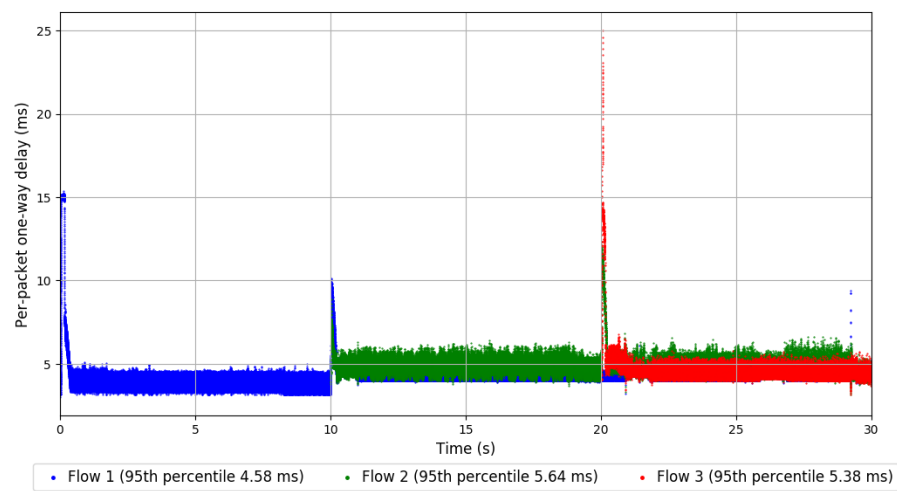
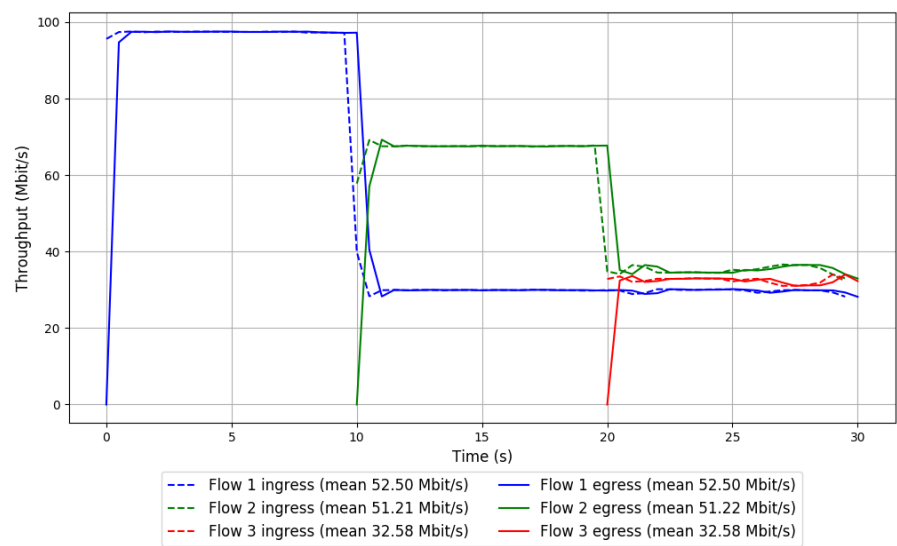


Run 1: Statistics of TCP Vegas

Start at: 2018-08-10 01:31:17
End at: 2018-08-10 01:31:47
Local clock offset: -2.921 ms
Remote clock offset: -2.218 ms

Below is generated by plot.py at 2018-08-10 04:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 5.469 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.50 Mbit/s
95th percentile per-packet one-way delay: 4.581 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.22 Mbit/s
95th percentile per-packet one-way delay: 5.638 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.58 Mbit/s
95th percentile per-packet one-way delay: 5.380 ms
Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link

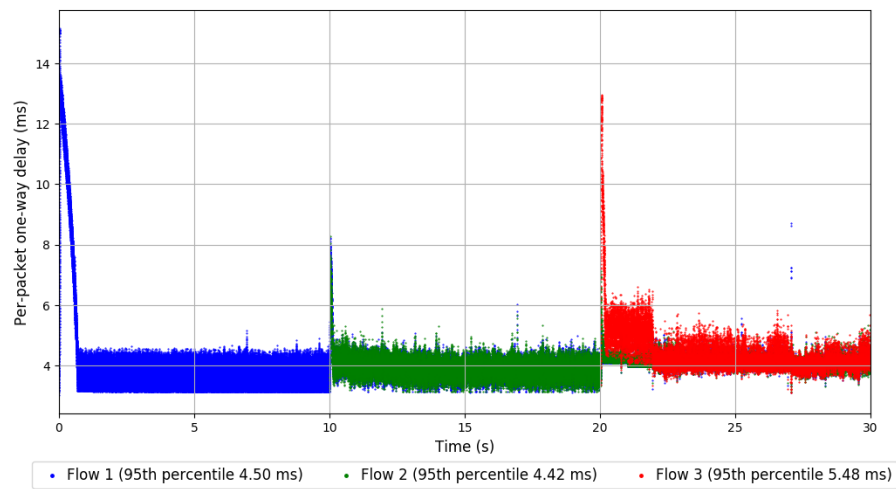
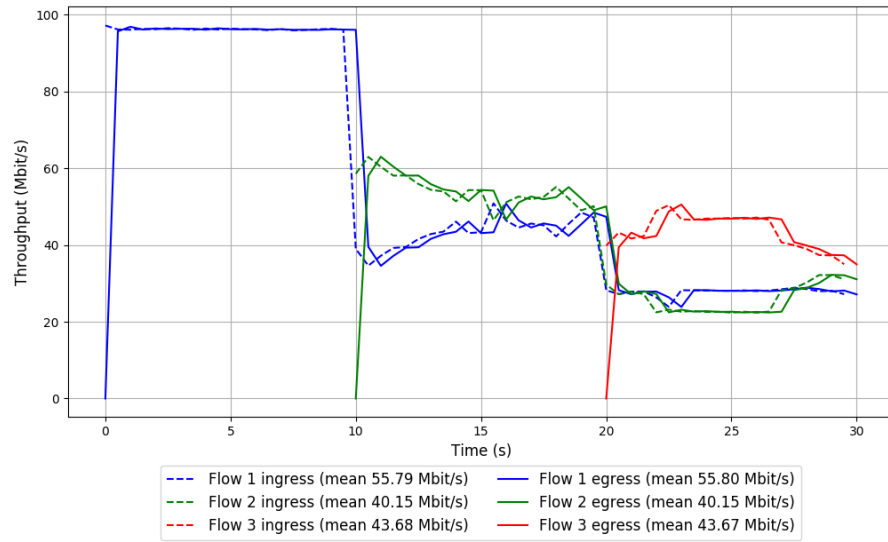


Run 2: Statistics of TCP Vegas

Start at: 2018-08-10 01:50:26
End at: 2018-08-10 01:50:56
Local clock offset: -2.459 ms
Remote clock offset: -2.101 ms

Below is generated by plot.py at 2018-08-10 04:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.05 Mbit/s
95th percentile per-packet one-way delay: 4.830 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 4.499 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 4.424 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 5.483 ms
Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link

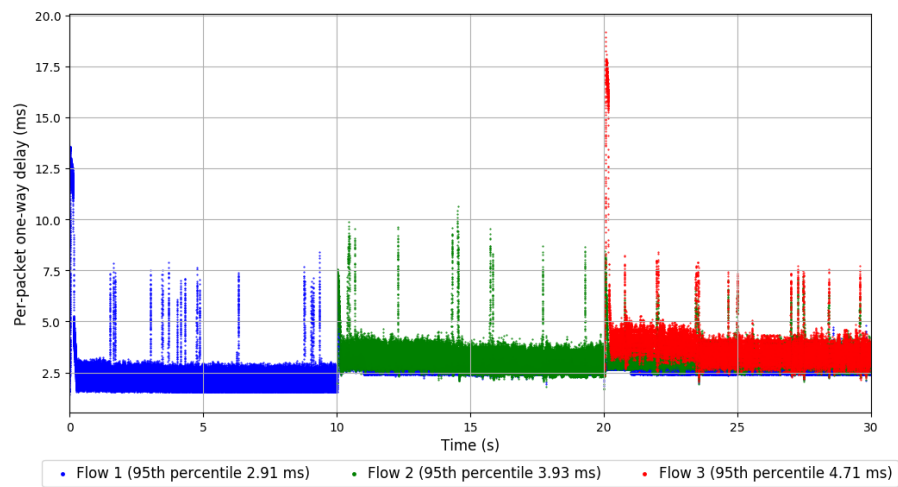
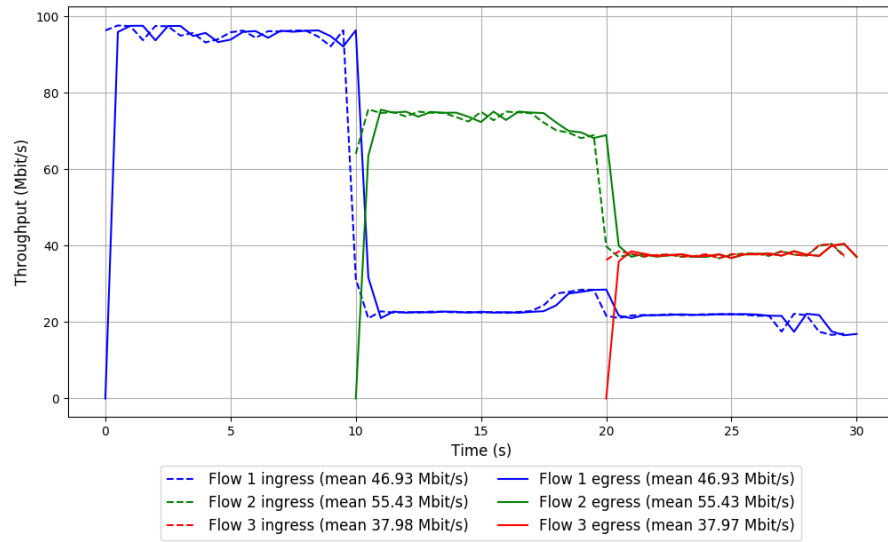


Run 3: Statistics of TCP Vegas

Start at: 2018-08-10 02:09:37
End at: 2018-08-10 02:10:07
Local clock offset: -3.234 ms
Remote clock offset: -2.041 ms

Below is generated by plot.py at 2018-08-10 04:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 4.071 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 2.912 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.43 Mbit/s
95th percentile per-packet one-way delay: 3.929 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 4.708 ms
Loss rate: 0.08%

Run 3: Report of TCP Vegas — Data Link

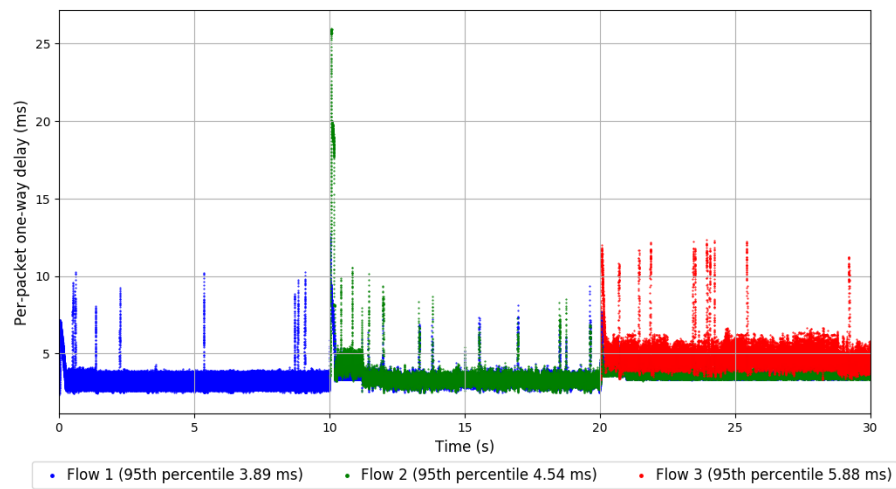
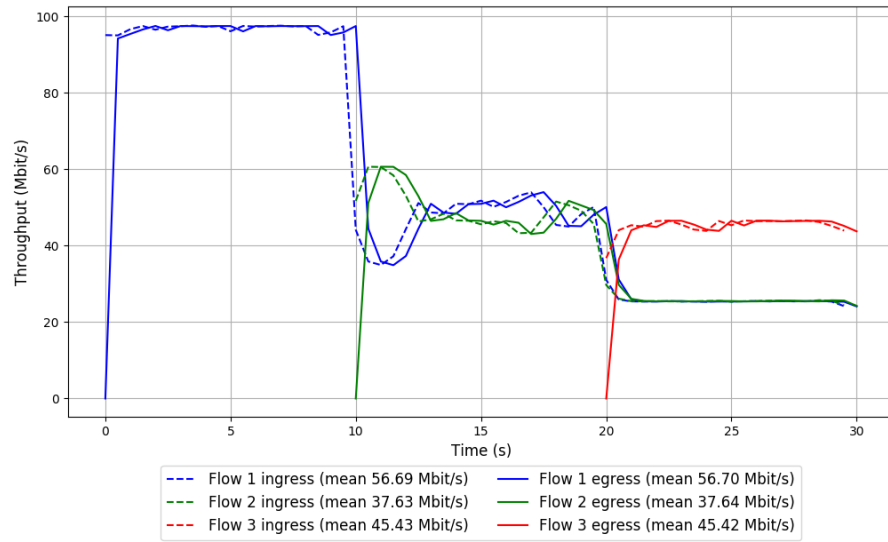


Run 4: Statistics of TCP Vegas

Start at: 2018-08-10 02:28:47
End at: 2018-08-10 02:29:17
Local clock offset: -3.241 ms
Remote clock offset: -0.945 ms

Below is generated by plot.py at 2018-08-10 04:56:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 5.222 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.70 Mbit/s
95th percentile per-packet one-way delay: 3.887 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 4.537 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 45.42 Mbit/s
95th percentile per-packet one-way delay: 5.876 ms
Loss rate: 0.06%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-08-10 02:47:57

End at: 2018-08-10 02:48:27

Local clock offset: -3.795 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-08-10 04:56:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.12 Mbit/s

95th percentile per-packet one-way delay: 5.021 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.81 Mbit/s

95th percentile per-packet one-way delay: 3.835 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 51.41 Mbit/s

95th percentile per-packet one-way delay: 5.033 ms

Loss rate: 0.02%

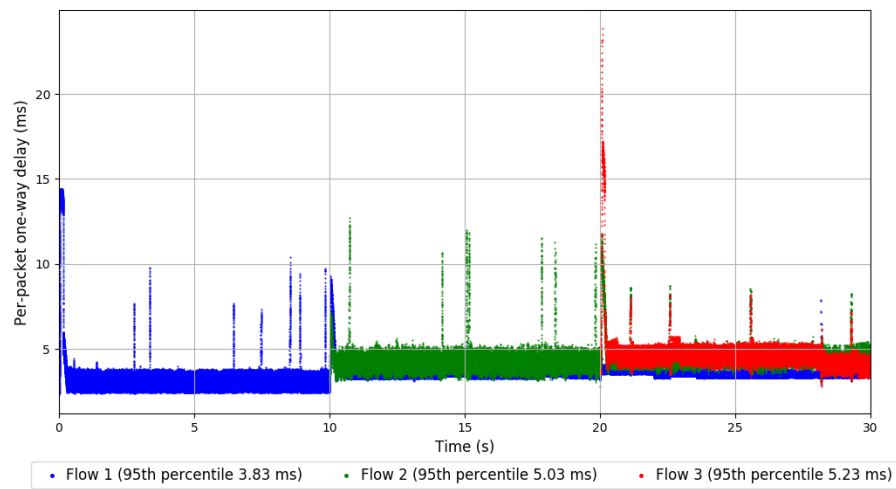
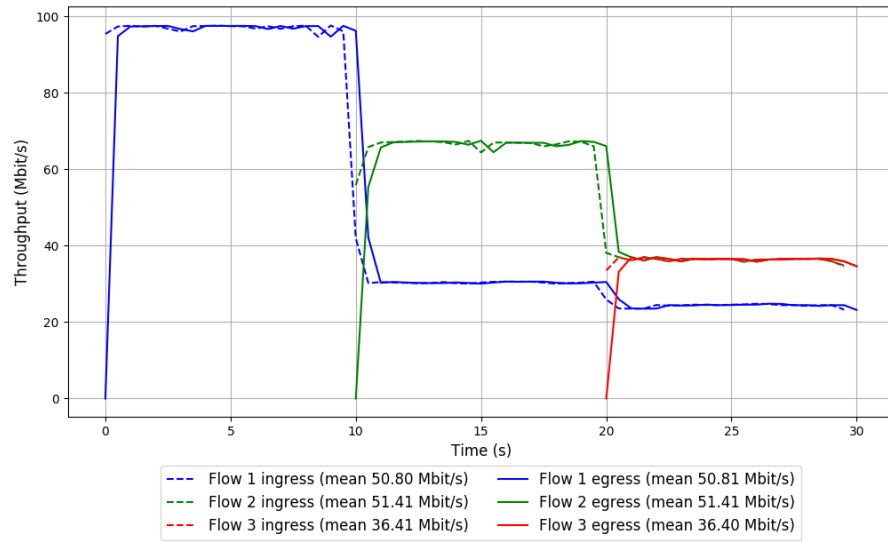
-- Flow 3:

Average throughput: 36.40 Mbit/s

95th percentile per-packet one-way delay: 5.232 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-08-10 03:07:06

End at: 2018-08-10 03:07:36

Local clock offset: -4.58 ms

Remote clock offset: 0.624 ms

Below is generated by plot.py at 2018-08-10 04:56:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.02 Mbit/s

95th percentile per-packet one-way delay: 4.328 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 3.811 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.49 Mbit/s

95th percentile per-packet one-way delay: 4.500 ms

Loss rate: 0.01%

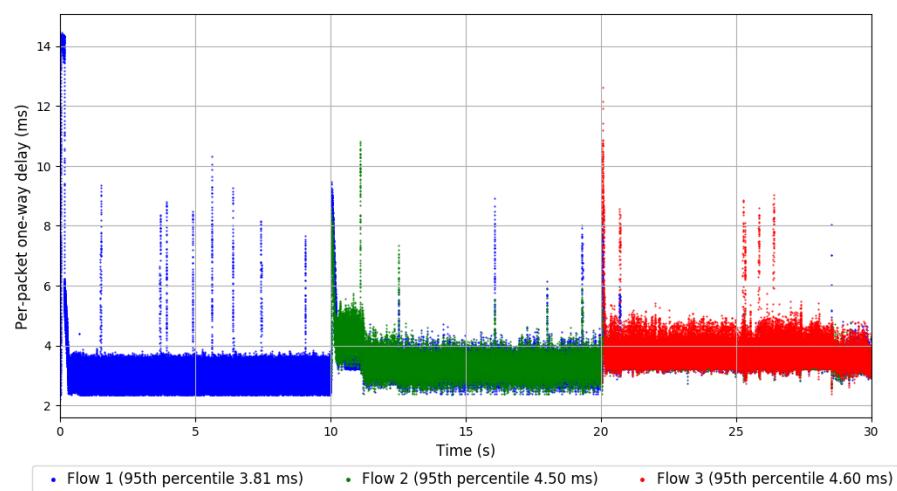
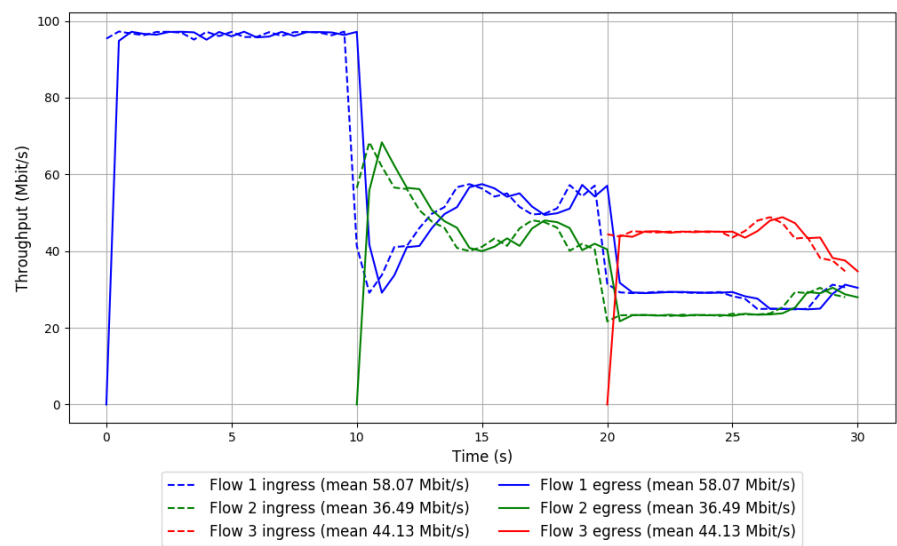
-- Flow 3:

Average throughput: 44.13 Mbit/s

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

Loss rate: 0.03%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-08-10 03:26:17

End at: 2018-08-10 03:26:47

Local clock offset: -4.512 ms

Remote clock offset: 1.166 ms

Below is generated by plot.py at 2018-08-10 04:56:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.40 Mbit/s

95th percentile per-packet one-way delay: 4.606 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.73 Mbit/s

95th percentile per-packet one-way delay: 3.880 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 4.707 ms

Loss rate: 0.02%

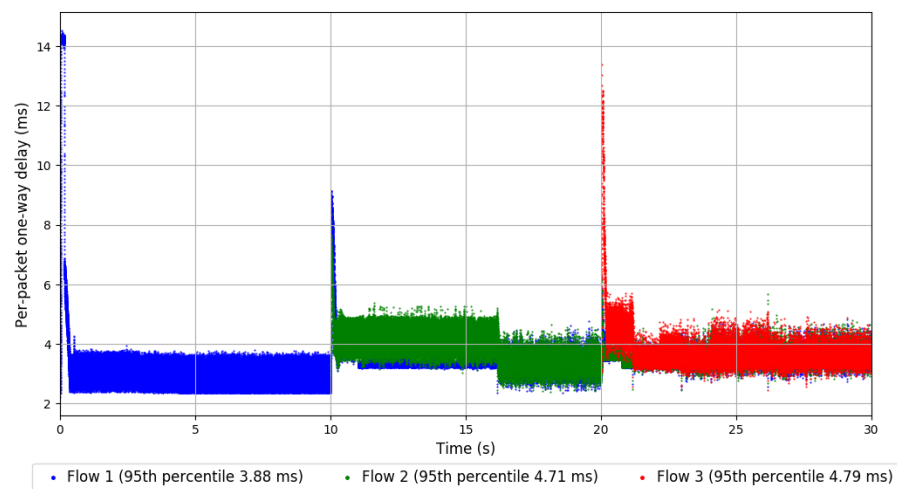
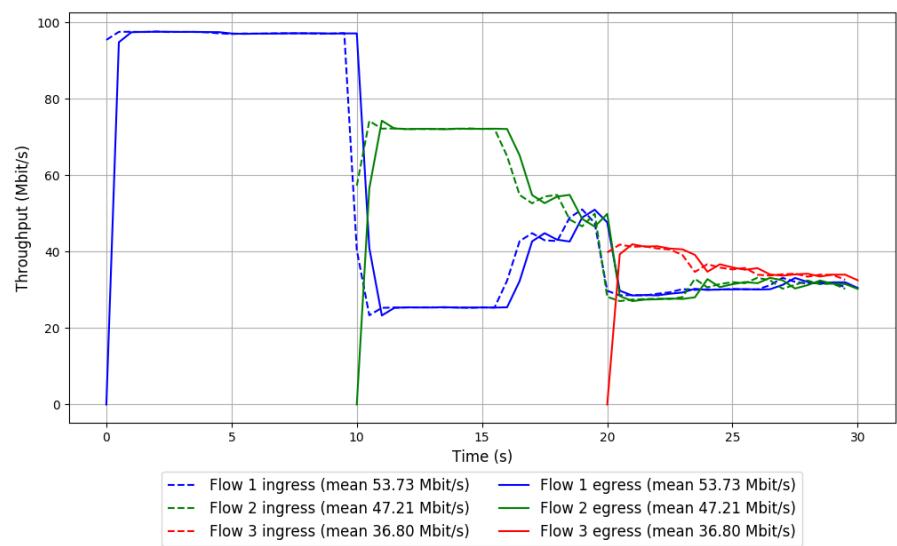
-- Flow 3:

Average throughput: 36.80 Mbit/s

95th percentile per-packet one-way delay: 4.786 ms

Loss rate: 0.04%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-08-10 03:45:26

End at: 2018-08-10 03:45:56

Local clock offset: -4.527 ms

Remote clock offset: -3.46 ms

Below is generated by plot.py at 2018-08-10 04:57:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.38 Mbit/s

95th percentile per-packet one-way delay: 4.481 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: 3.784 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 48.90 Mbit/s

95th percentile per-packet one-way delay: 4.632 ms

Loss rate: 0.02%

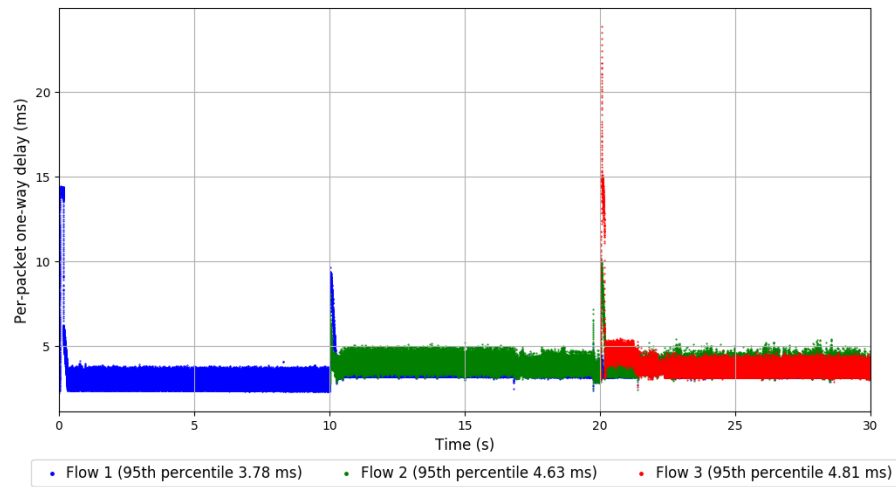
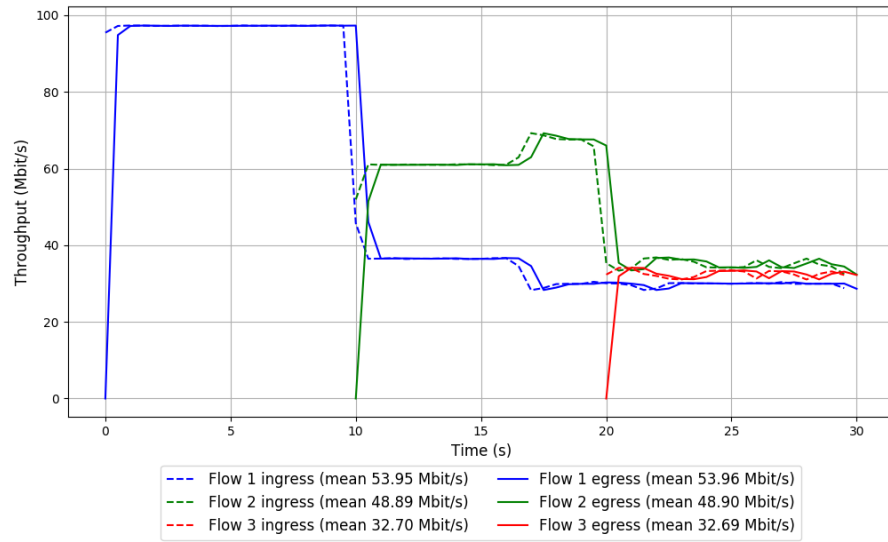
-- Flow 3:

Average throughput: 32.69 Mbit/s

95th percentile per-packet one-way delay: 4.811 ms

Loss rate: 0.06%

Run 8: Report of TCP Vegas — Data Link

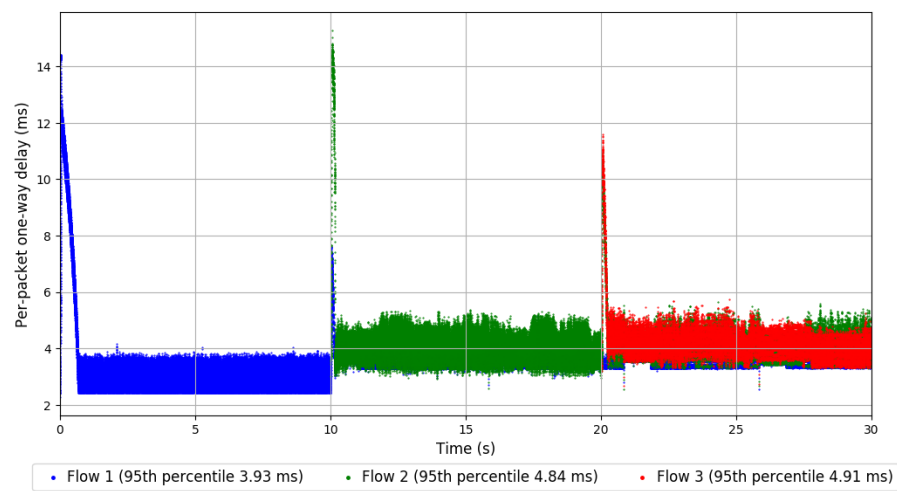
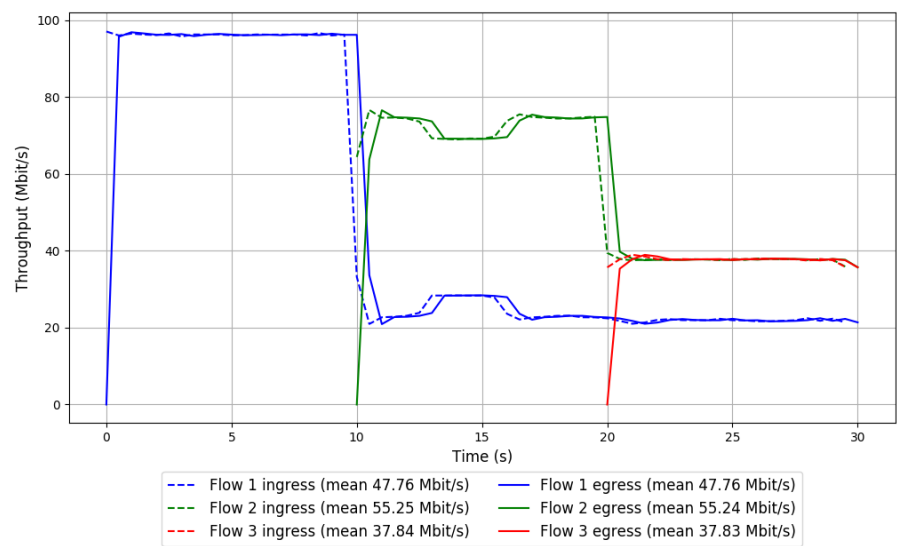


Run 9: Statistics of TCP Vegas

Start at: 2018-08-10 04:04:36
End at: 2018-08-10 04:05:06
Local clock offset: -4.295 ms
Remote clock offset: -4.231 ms

Below is generated by plot.py at 2018-08-10 04:57:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 4.821 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.76 Mbit/s
95th percentile per-packet one-way delay: 3.928 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 4.836 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 37.83 Mbit/s
95th percentile per-packet one-way delay: 4.913 ms
Loss rate: 0.05%

Run 9: Report of TCP Vegas — Data Link

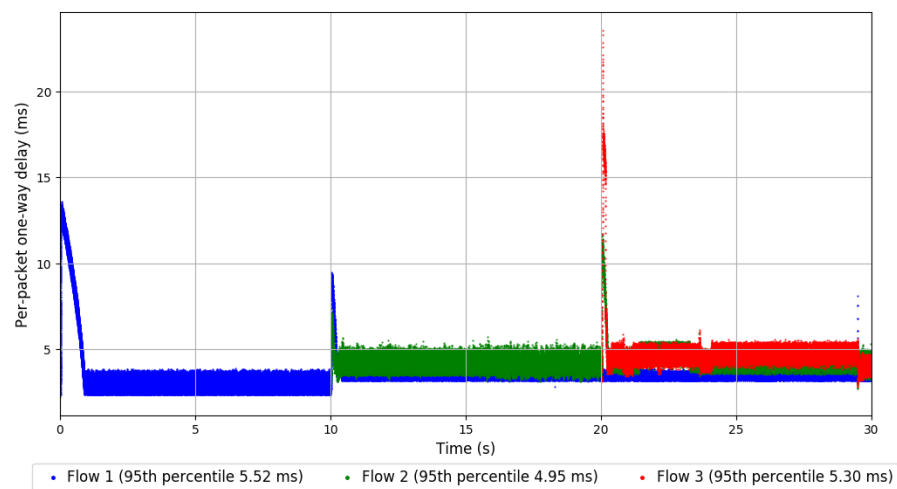
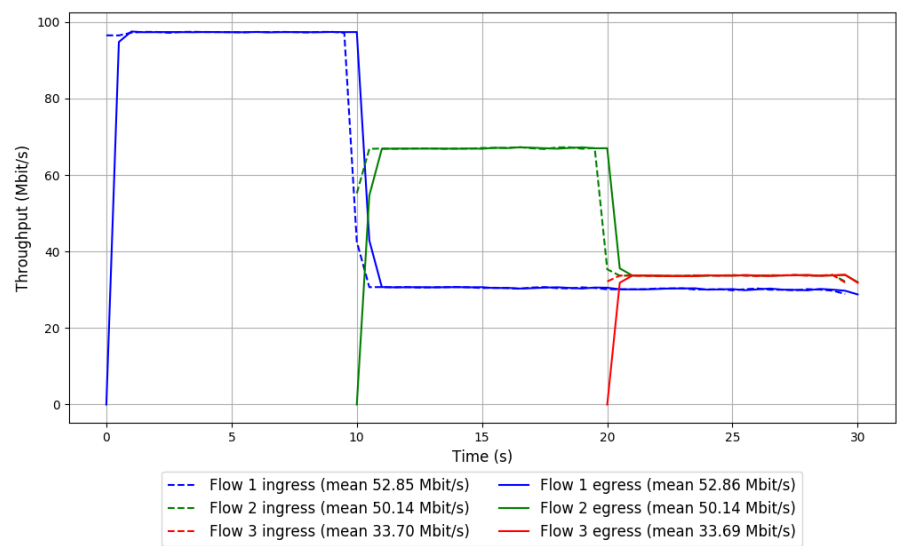


Run 10: Statistics of TCP Vegas

Start at: 2018-08-10 04:23:46
End at: 2018-08-10 04:24:16
Local clock offset: -4.317 ms
Remote clock offset: -3.726 ms

Below is generated by plot.py at 2018-08-10 04:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 5.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.86 Mbit/s
95th percentile per-packet one-way delay: 5.518 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.14 Mbit/s
95th percentile per-packet one-way delay: 4.952 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 5.305 ms
Loss rate: 0.06%

Run 10: Report of TCP Vegas — Data Link

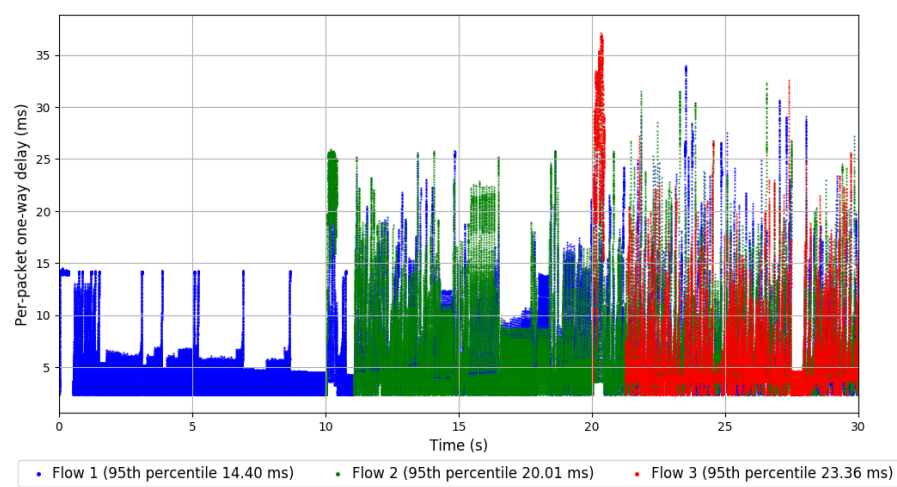
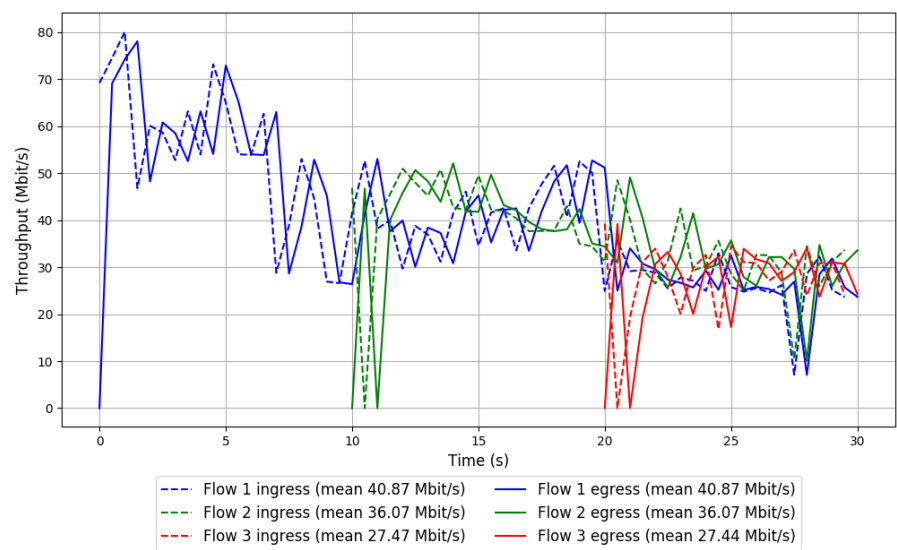


Run 1: Statistics of Verus

Start at: 2018-08-10 01:38:10
End at: 2018-08-10 01:38:40
Local clock offset: -3.781 ms
Remote clock offset: -2.038 ms

Below is generated by plot.py at 2018-08-10 04:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 17.639 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 14.397 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.07 Mbit/s
95th percentile per-packet one-way delay: 20.009 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 27.44 Mbit/s
95th percentile per-packet one-way delay: 23.362 ms
Loss rate: 0.04%

Run 1: Report of Verus — Data Link

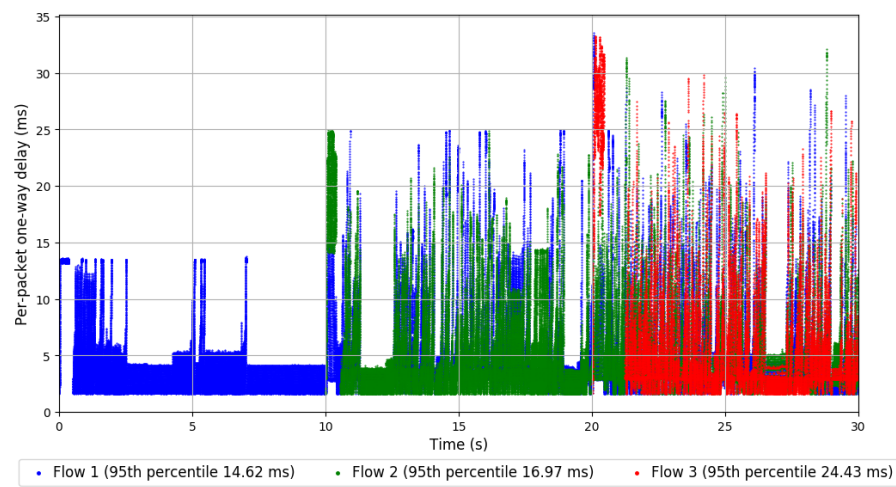
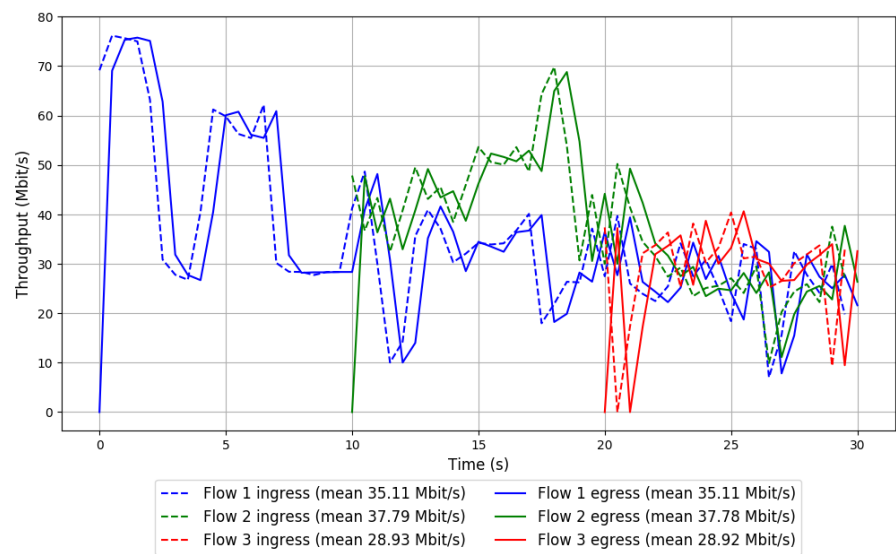


Run 2: Statistics of Verus

Start at: 2018-08-10 01:57:21
End at: 2018-08-10 01:57:51
Local clock offset: -3.594 ms
Remote clock offset: -2.198 ms

Below is generated by plot.py at 2018-08-10 04:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 16.706 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 35.11 Mbit/s
95th percentile per-packet one-way delay: 14.618 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.78 Mbit/s
95th percentile per-packet one-way delay: 16.972 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.92 Mbit/s
95th percentile per-packet one-way delay: 24.434 ms
Loss rate: 0.08%

Run 2: Report of Verus — Data Link

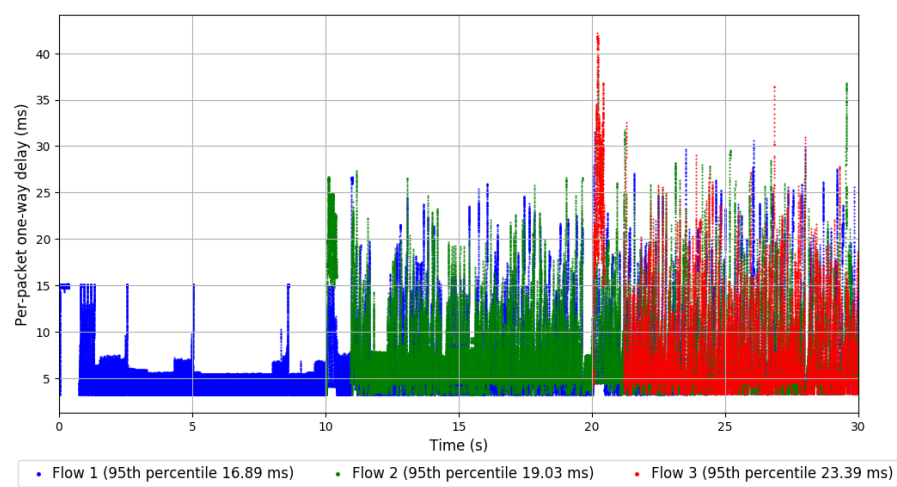
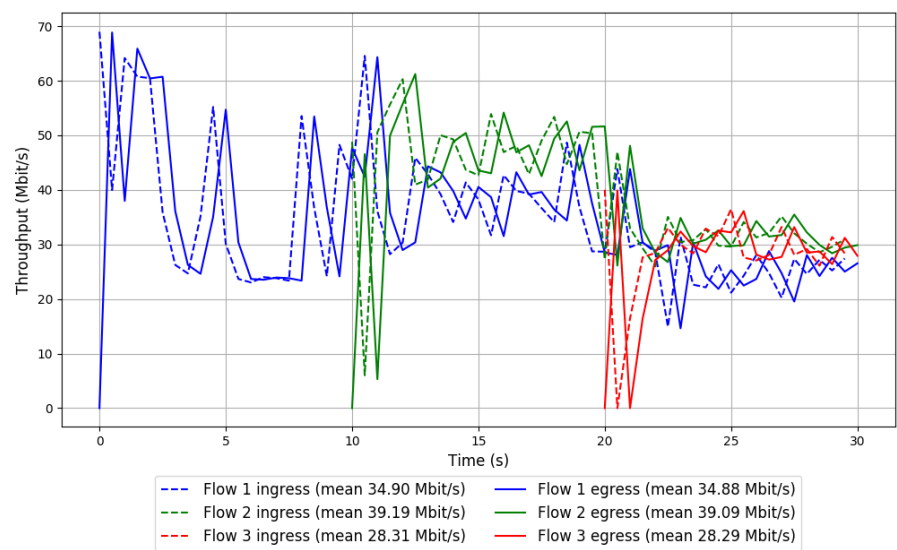


Run 3: Statistics of Verus

Start at: 2018-08-10 02:16:31
End at: 2018-08-10 02:17:01
Local clock offset: -1.649 ms
Remote clock offset: -2.023 ms

Below is generated by plot.py at 2018-08-10 04:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 18.733 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 34.88 Mbit/s
95th percentile per-packet one-way delay: 16.888 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.09 Mbit/s
95th percentile per-packet one-way delay: 19.030 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 28.29 Mbit/s
95th percentile per-packet one-way delay: 23.387 ms
Loss rate: 0.16%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-08-10 02:35:40

End at: 2018-08-10 02:36:10

Local clock offset: -2.675 ms

Remote clock offset: -0.55 ms

Below is generated by plot.py at 2018-08-10 04:57:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.38 Mbit/s

95th percentile per-packet one-way delay: 18.052 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 48.10 Mbit/s

95th percentile per-packet one-way delay: 16.625 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 35.24 Mbit/s

95th percentile per-packet one-way delay: 18.671 ms

Loss rate: 0.03%

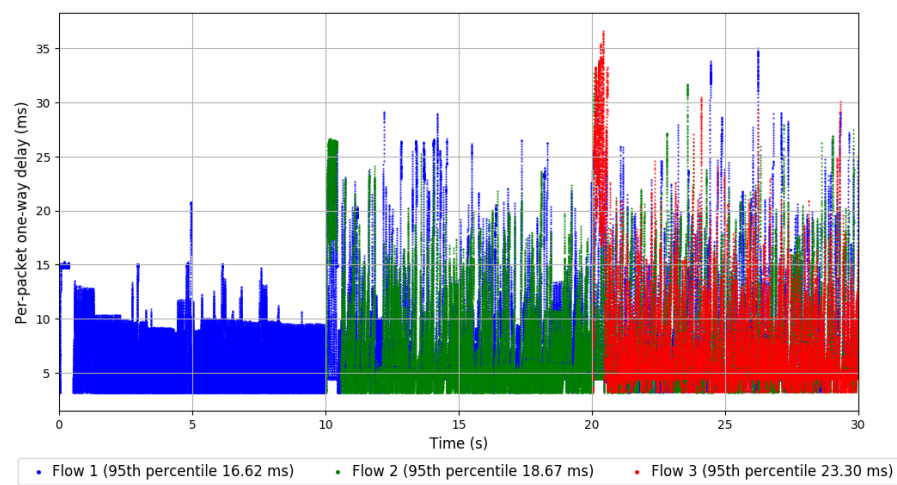
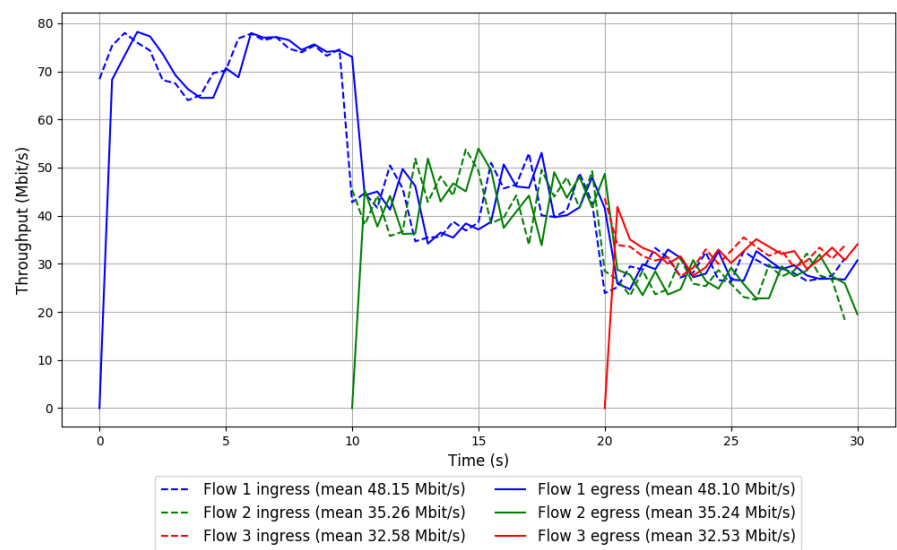
-- Flow 3:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 23.295 ms

Loss rate: 0.08%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-08-10 02:54:49

End at: 2018-08-10 02:55:19

Local clock offset: -4.193 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-08-10 04:57:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.78 Mbit/s

95th percentile per-packet one-way delay: 17.963 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 15.112 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.01 Mbit/s

95th percentile per-packet one-way delay: 18.715 ms

Loss rate: 0.13%

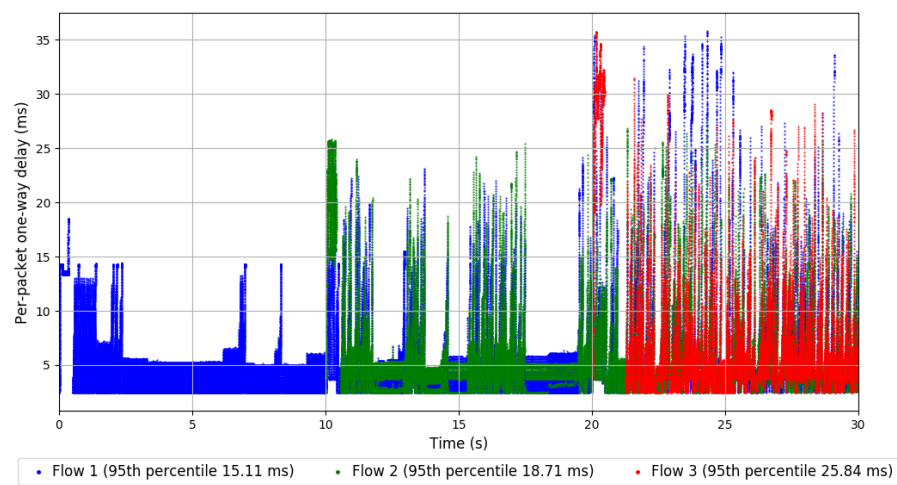
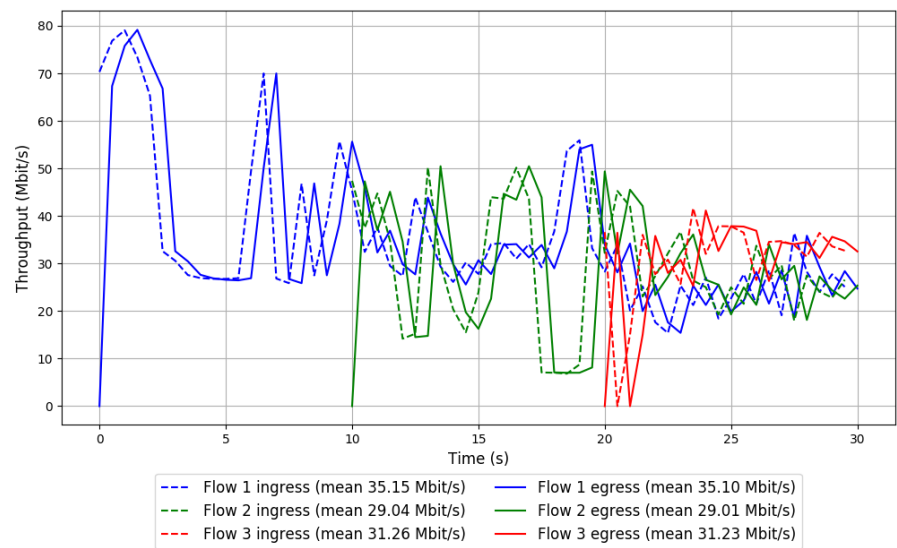
-- Flow 3:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 25.840 ms

Loss rate: 0.10%

Run 5: Report of Verus — Data Link

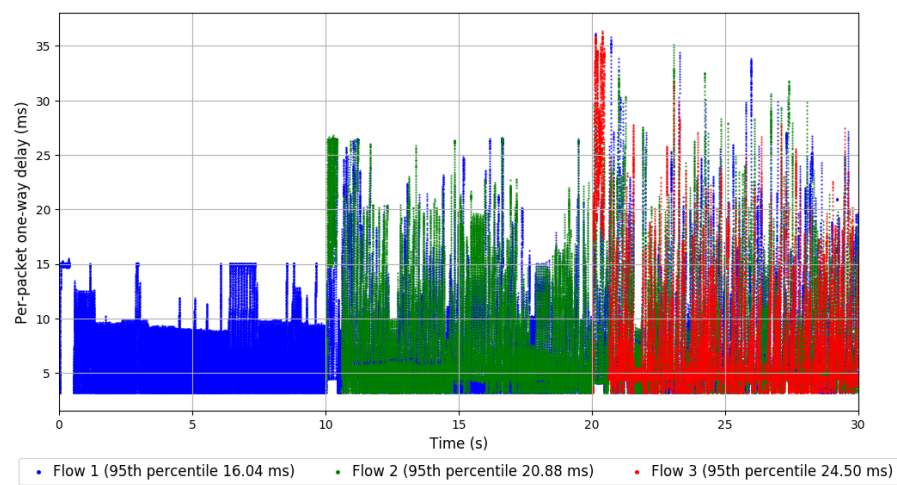
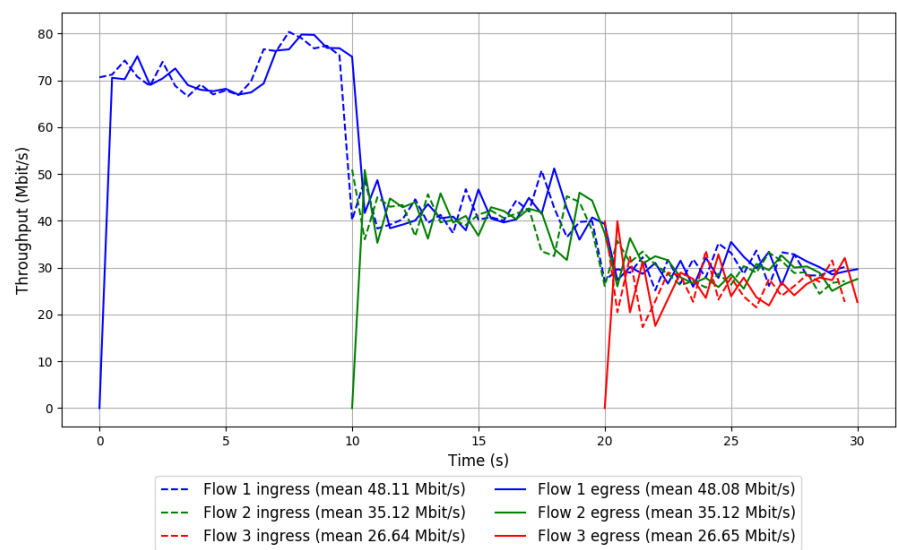


Run 6: Statistics of Verus

Start at: 2018-08-10 03:14:00
End at: 2018-08-10 03:14:30
Local clock offset: -3.978 ms
Remote clock offset: 0.745 ms

Below is generated by plot.py at 2018-08-10 04:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.32 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 16.041 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 35.12 Mbit/s
95th percentile per-packet one-way delay: 20.876 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.65 Mbit/s
95th percentile per-packet one-way delay: 24.498 ms
Loss rate: 0.03%

Run 6: Report of Verus — Data Link

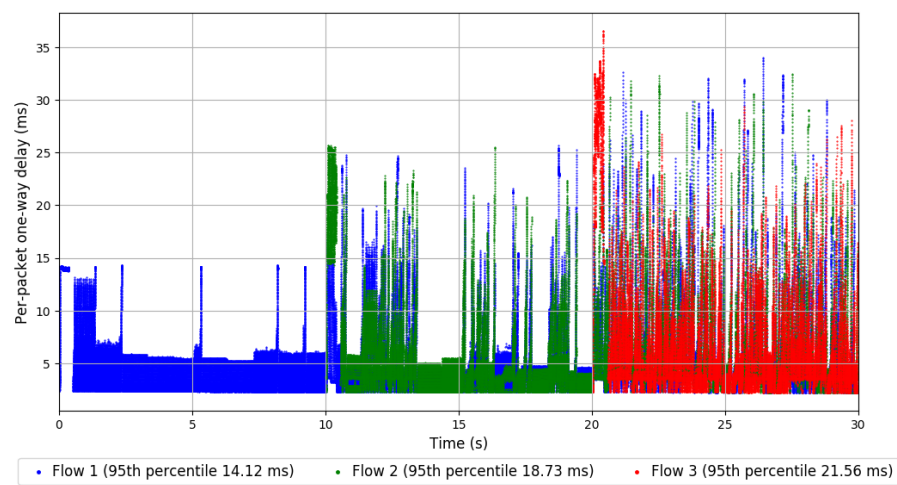
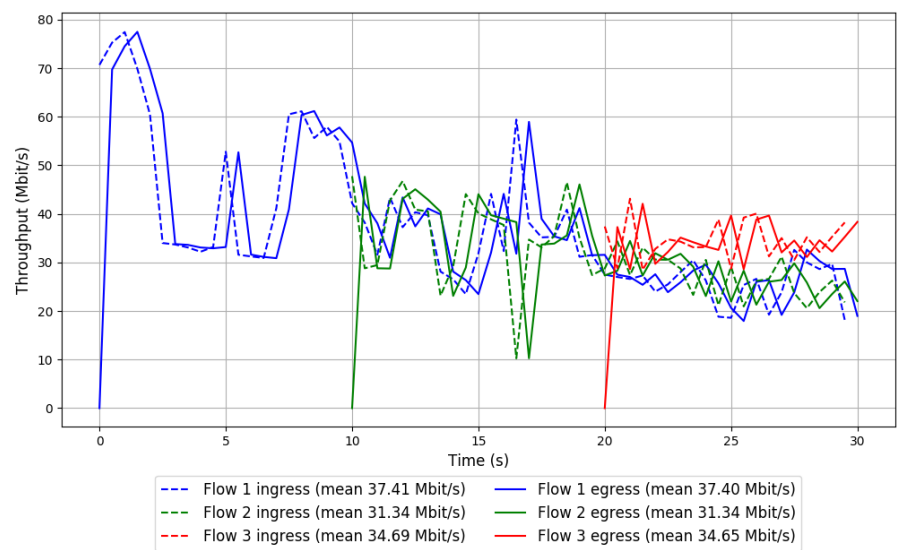


Run 7: Statistics of Verus

Start at: 2018-08-10 03:33:10
End at: 2018-08-10 03:33:40
Local clock offset: -4.472 ms
Remote clock offset: -1.239 ms

Below is generated by plot.py at 2018-08-10 04:57:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.78 Mbit/s
95th percentile per-packet one-way delay: 16.768 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 37.40 Mbit/s
95th percentile per-packet one-way delay: 14.122 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 31.34 Mbit/s
95th percentile per-packet one-way delay: 18.734 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 21.561 ms
Loss rate: 0.09%

Run 7: Report of Verus — Data Link

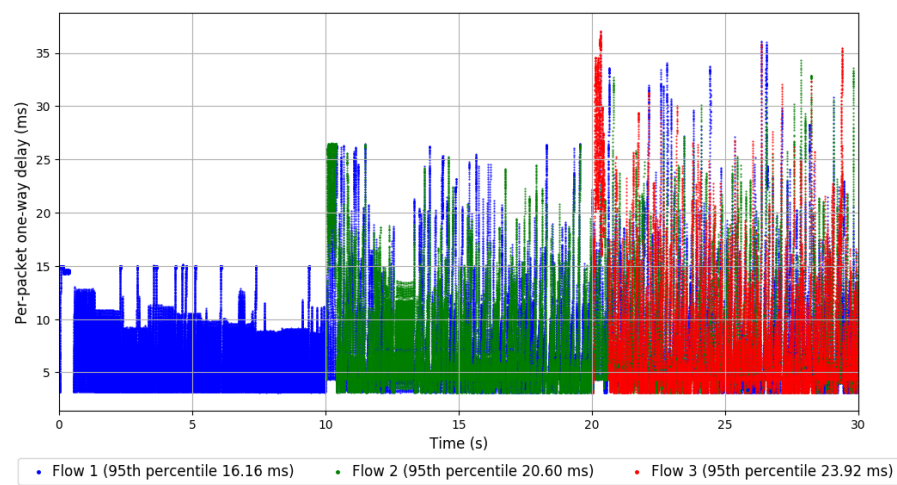
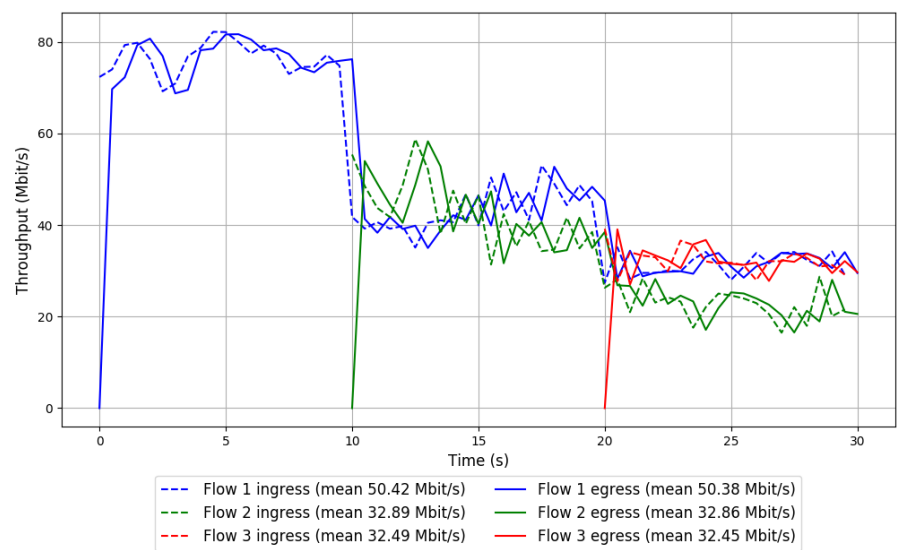


Run 8: Statistics of Verus

Start at: 2018-08-10 03:52:20
End at: 2018-08-10 03:52:50
Local clock offset: -3.593 ms
Remote clock offset: -4.055 ms

Below is generated by plot.py at 2018-08-10 04:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.03 Mbit/s
95th percentile per-packet one-way delay: 19.082 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 16.157 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 32.86 Mbit/s
95th percentile per-packet one-way delay: 20.601 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 23.921 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link

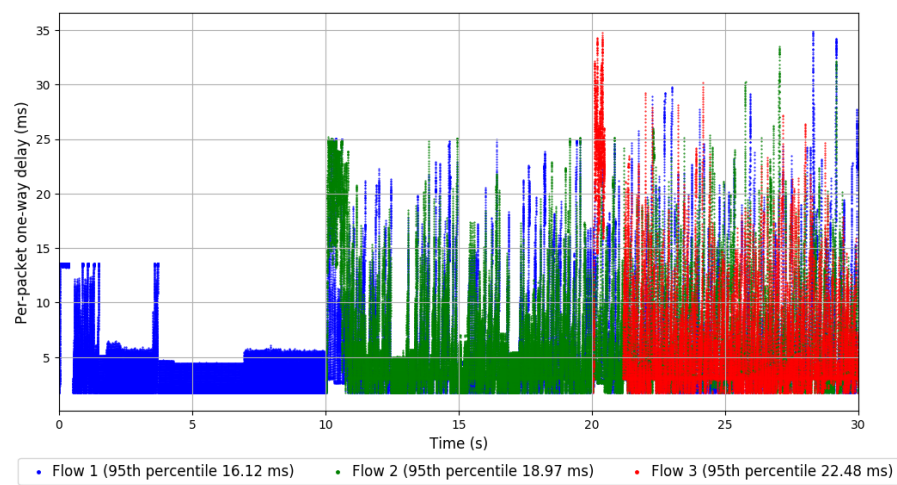
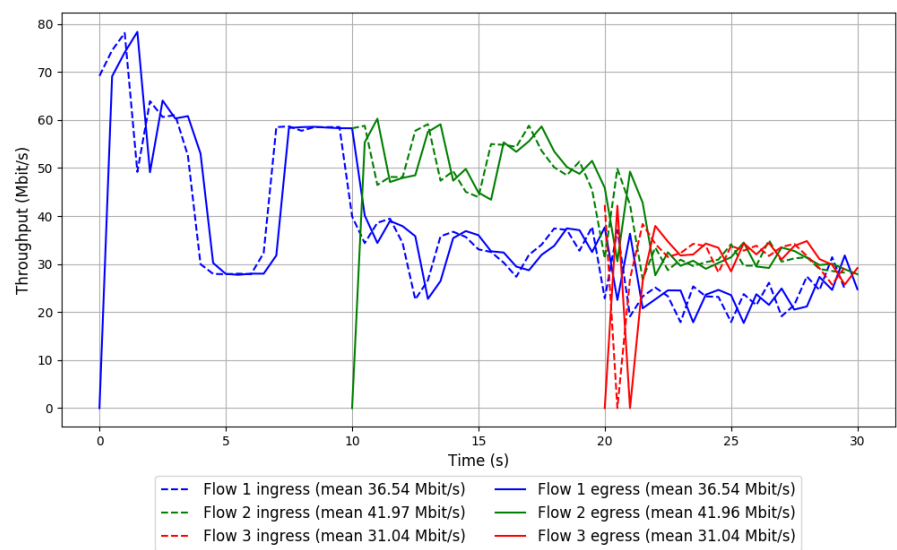


Run 9: Statistics of Verus

Start at: 2018-08-10 04:11:30
End at: 2018-08-10 04:12:00
Local clock offset: -5.07 ms
Remote clock offset: -3.913 ms

Below is generated by plot.py at 2018-08-10 04:58:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 18.124 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 36.54 Mbit/s
95th percentile per-packet one-way delay: 16.122 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.96 Mbit/s
95th percentile per-packet one-way delay: 18.968 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 22.485 ms
Loss rate: 0.06%

Run 9: Report of Verus — Data Link

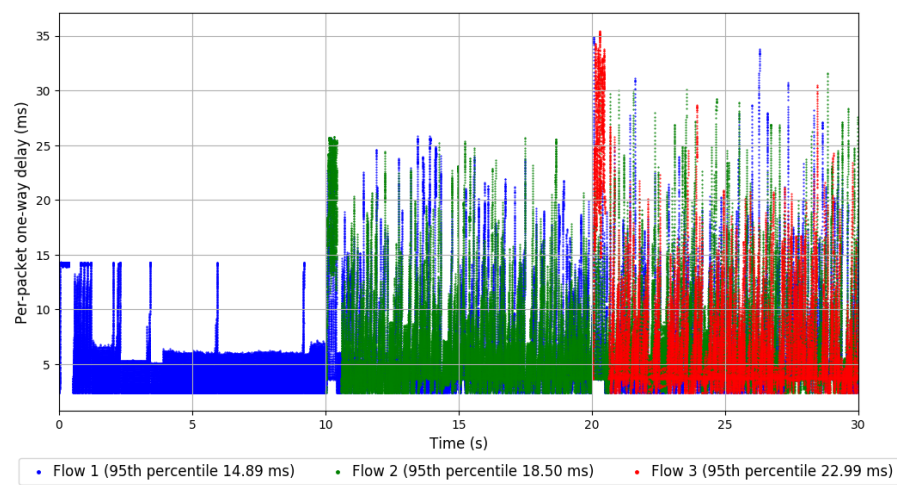
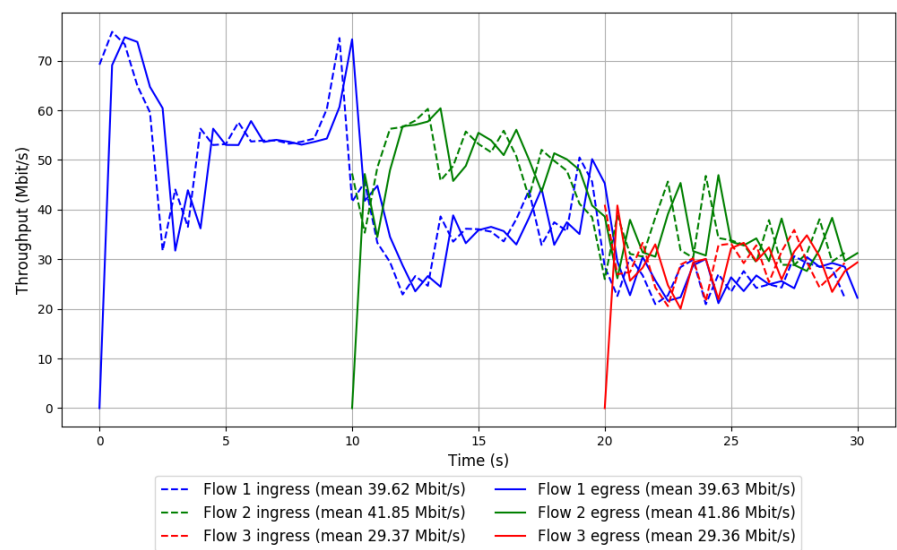


Run 10: Statistics of Verus

Start at: 2018-08-10 04:30:41
End at: 2018-08-10 04:31:11
Local clock offset: -4.41 ms
Remote clock offset: -3.958 ms

Below is generated by plot.py at 2018-08-10 04:58:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.23 Mbit/s
95th percentile per-packet one-way delay: 17.318 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 39.63 Mbit/s
95th percentile per-packet one-way delay: 14.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 18.499 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.36 Mbit/s
95th percentile per-packet one-way delay: 22.991 ms
Loss rate: 0.03%

Run 10: Report of Verus — Data Link

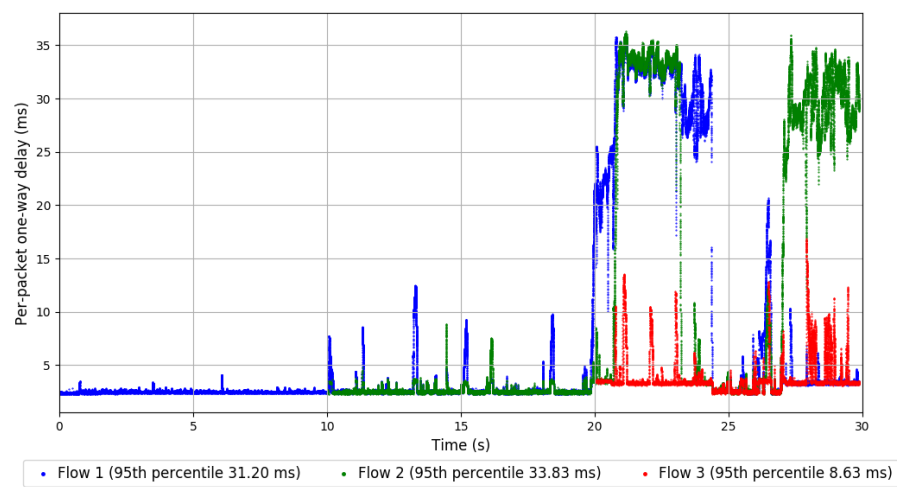
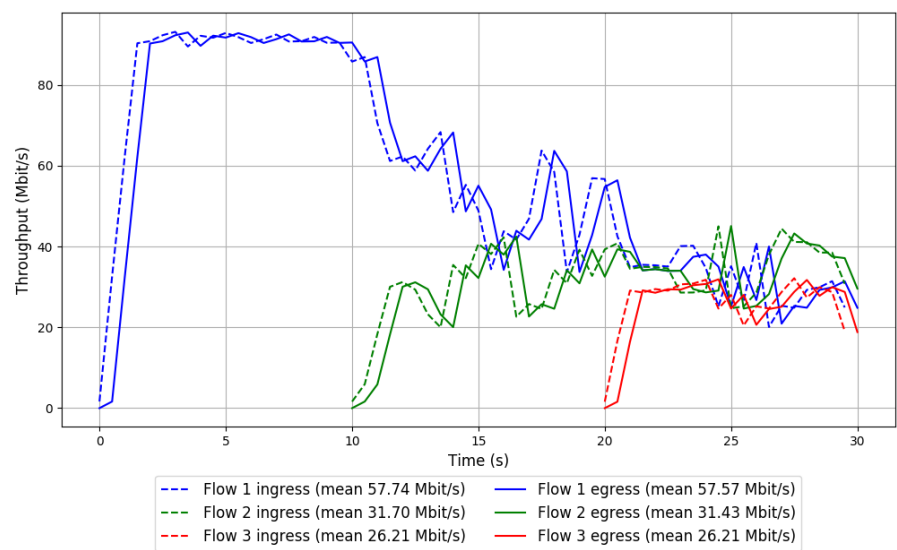


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-10 01:35:51
End at: 2018-08-10 01:36:21
Local clock offset: -3.708 ms
Remote clock offset: -2.134 ms

Below is generated by plot.py at 2018-08-10 04:58:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.12 Mbit/s
95th percentile per-packet one-way delay: 32.707 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 31.201 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 33.834 ms
Loss rate: 0.88%
-- Flow 3:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 8.631 ms
Loss rate: 0.07%

Run 1: Report of PCC-Vivace — Data Link

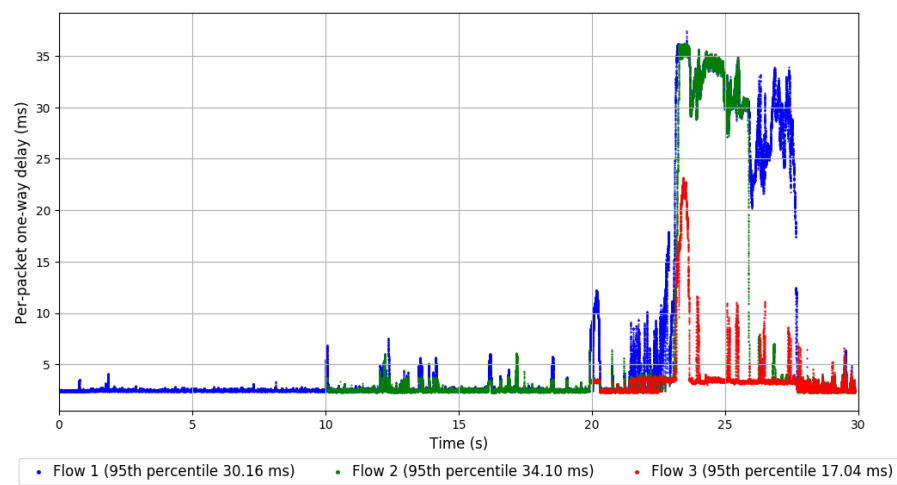
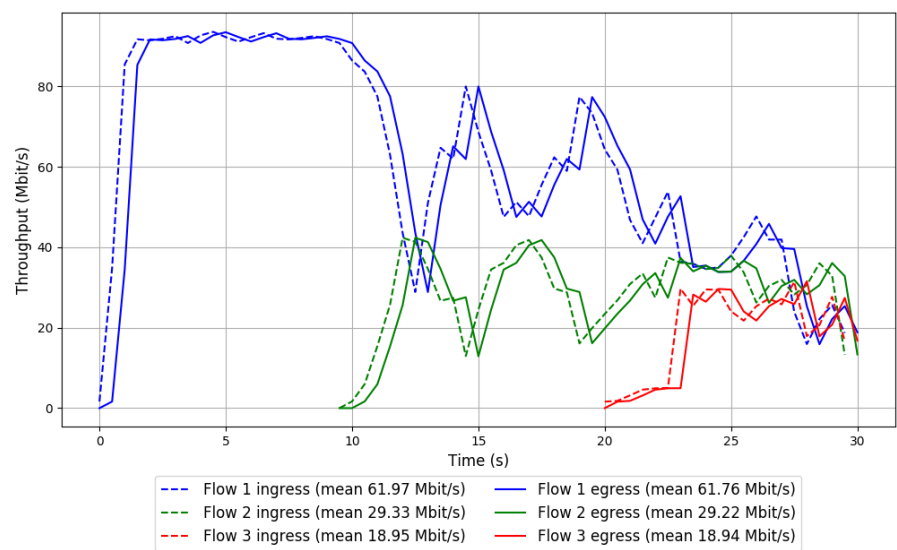


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-10 01:55:02
End at: 2018-08-10 01:55:32
Local clock offset: -2.949 ms
Remote clock offset: -2.266 ms

Below is generated by plot.py at 2018-08-10 04:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 30.982 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 30.165 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 34.104 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 17.039 ms
Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link

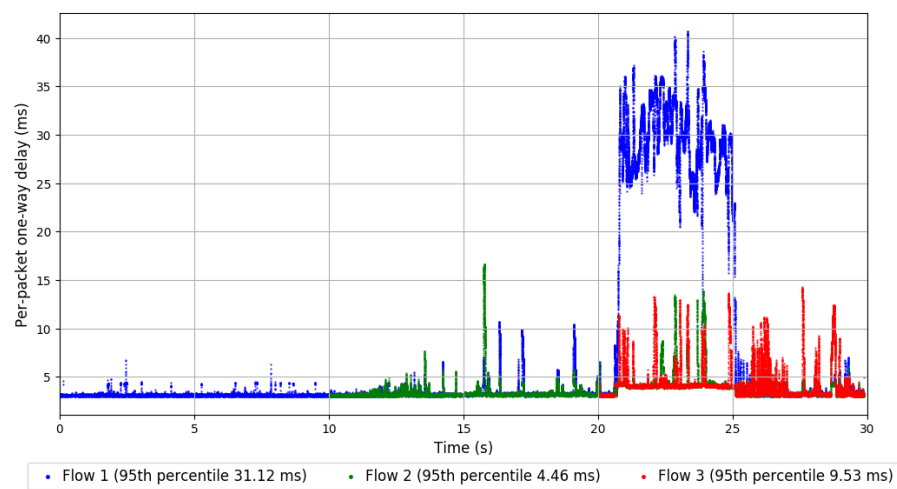
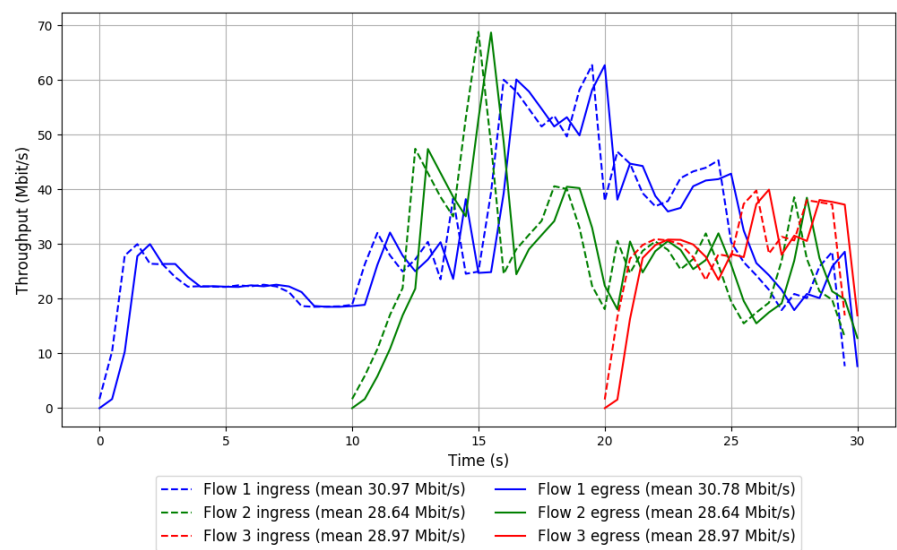


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-10 02:14:13
End at: 2018-08-10 02:14:43
Local clock offset: -1.576 ms
Remote clock offset: -2.042 ms

Below is generated by plot.py at 2018-08-10 04:58:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 59.39 Mbit/s
95th percentile per-packet one-way delay: 28.917 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 30.78 Mbit/s
95th percentile per-packet one-way delay: 31.125 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 4.465 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 28.97 Mbit/s
95th percentile per-packet one-way delay: 9.532 ms
Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link

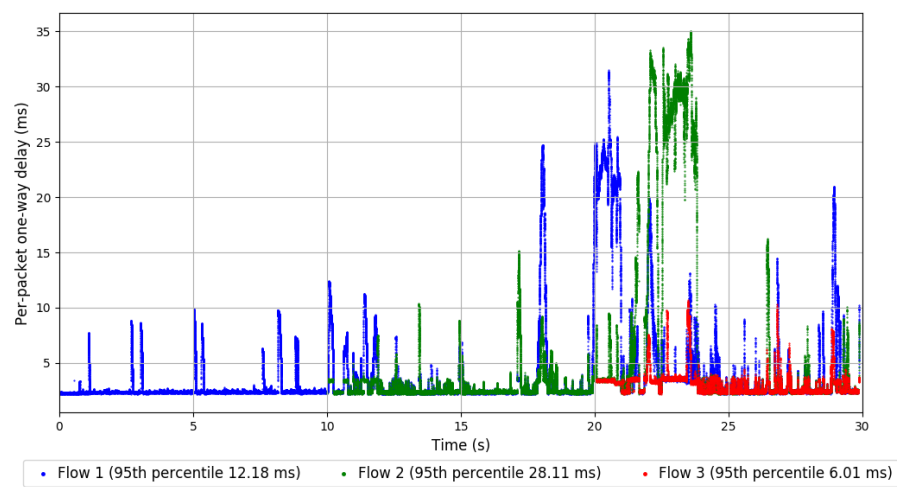
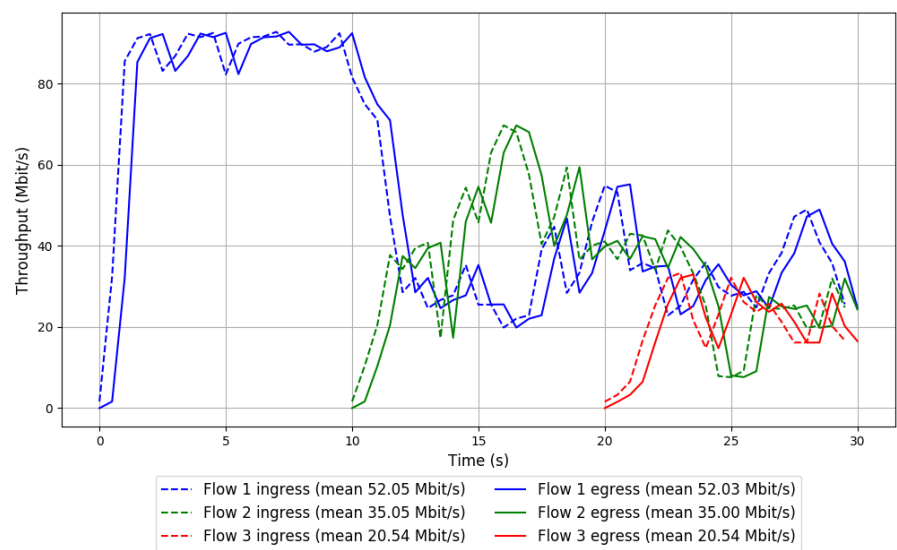


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-10 02:33:21
End at: 2018-08-10 02:33:51
Local clock offset: -3.456 ms
Remote clock offset: -0.621 ms

Below is generated by plot.py at 2018-08-10 04:59:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 52.03 Mbit/s
95th percentile per-packet one-way delay: 12.179 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 35.00 Mbit/s
95th percentile per-packet one-way delay: 28.109 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 20.54 Mbit/s
95th percentile per-packet one-way delay: 6.011 ms
Loss rate: 0.06%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-08-10 02:52:32

End at: 2018-08-10 02:53:02

Local clock offset: -4.867 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-08-10 04:59:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.70 Mbit/s

95th percentile per-packet one-way delay: 28.229 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 17.632 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 31.275 ms

Loss rate: 0.77%

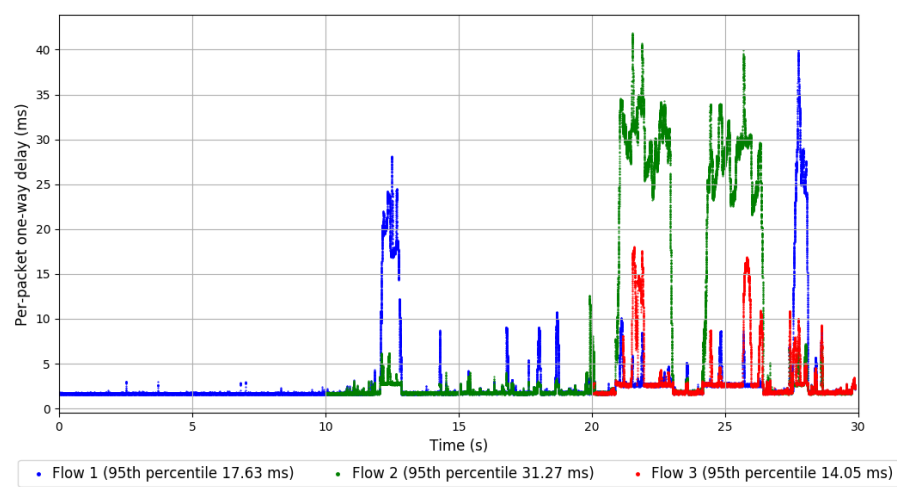
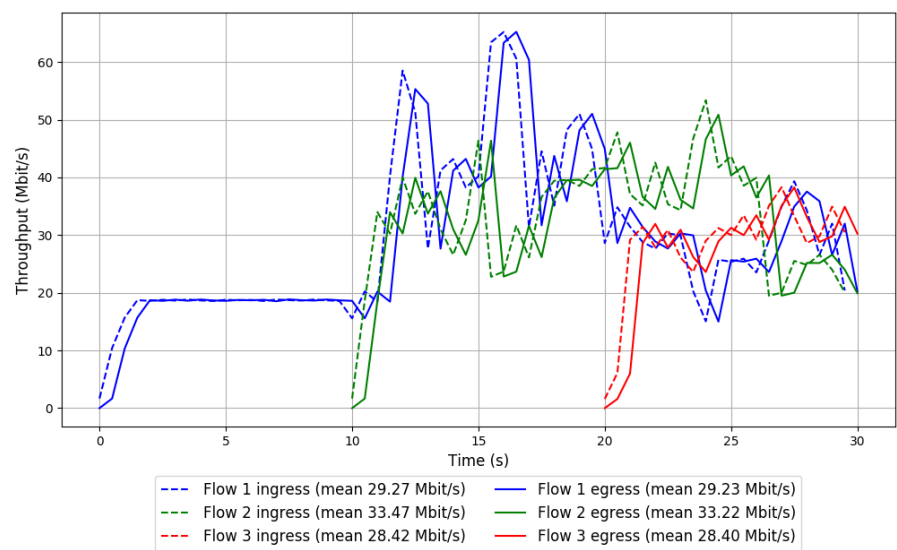
-- Flow 3:

Average throughput: 28.40 Mbit/s

95th percentile per-packet one-way delay: 14.054 ms

Loss rate: 0.09%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-08-10 03:11:41

End at: 2018-08-10 03:12:11

Local clock offset: -3.915 ms

Remote clock offset: 0.742 ms

Below is generated by plot.py at 2018-08-10 04:59:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.10 Mbit/s

95th percentile per-packet one-way delay: 30.774 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 5.360 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 28.98 Mbit/s

95th percentile per-packet one-way delay: 25.584 ms

Loss rate: 0.12%

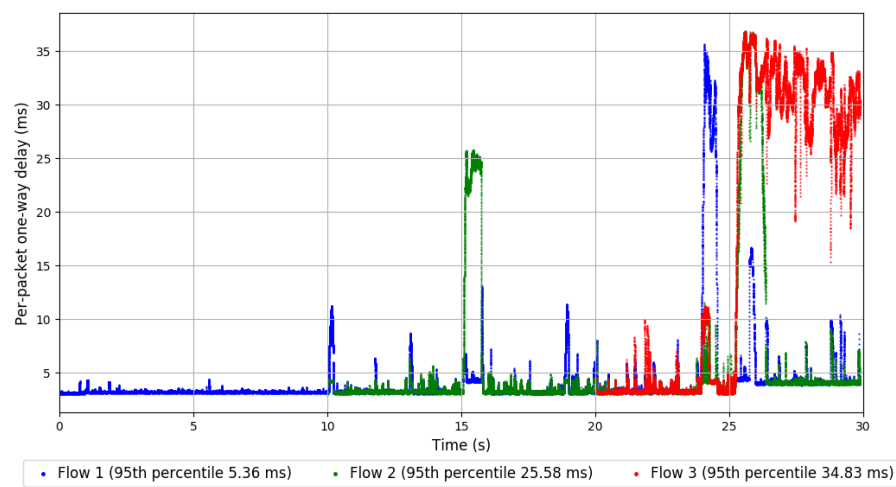
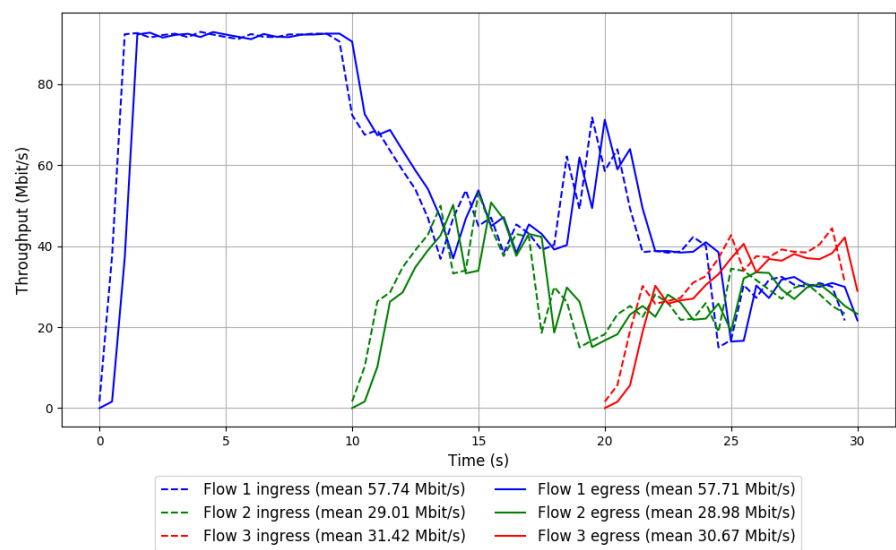
-- Flow 3:

Average throughput: 30.67 Mbit/s

95th percentile per-packet one-way delay: 34.825 ms

Loss rate: 2.48%

Run 6: Report of PCC-Vivace — Data Link

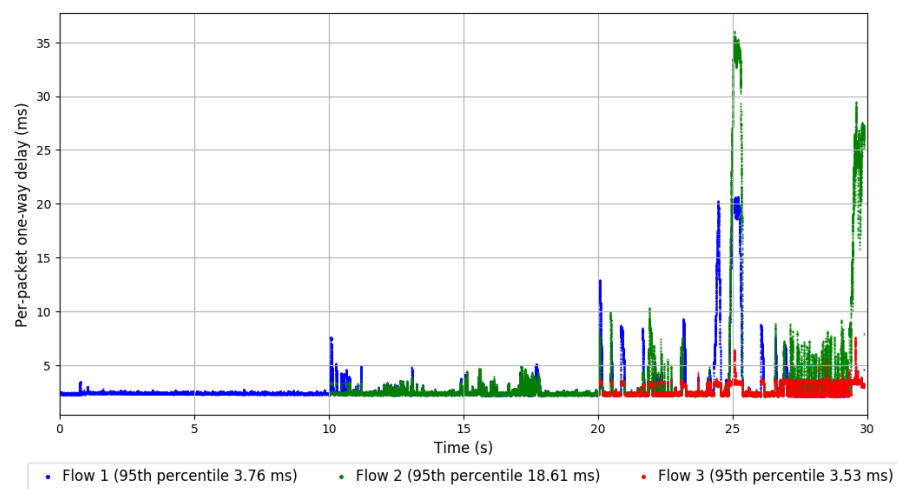
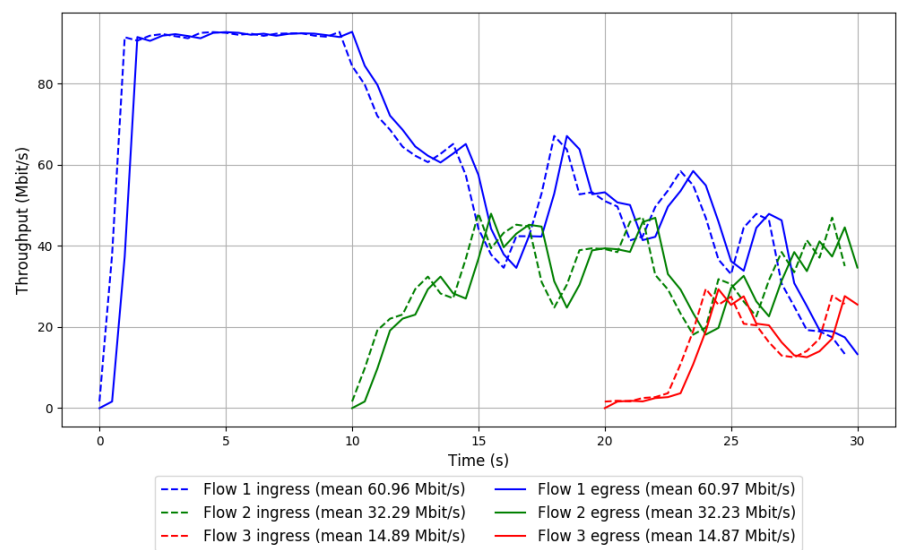


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-10 03:30:51
End at: 2018-08-10 03:31:21
Local clock offset: -4.472 ms
Remote clock offset: -0.543 ms

Below is generated by plot.py at 2018-08-10 04:59:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.31 Mbit/s
95th percentile per-packet one-way delay: 4.967 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 60.97 Mbit/s
95th percentile per-packet one-way delay: 3.761 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.23 Mbit/s
95th percentile per-packet one-way delay: 18.613 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 3.530 ms
Loss rate: 0.13%

Run 7: Report of PCC-Vivace — Data Link

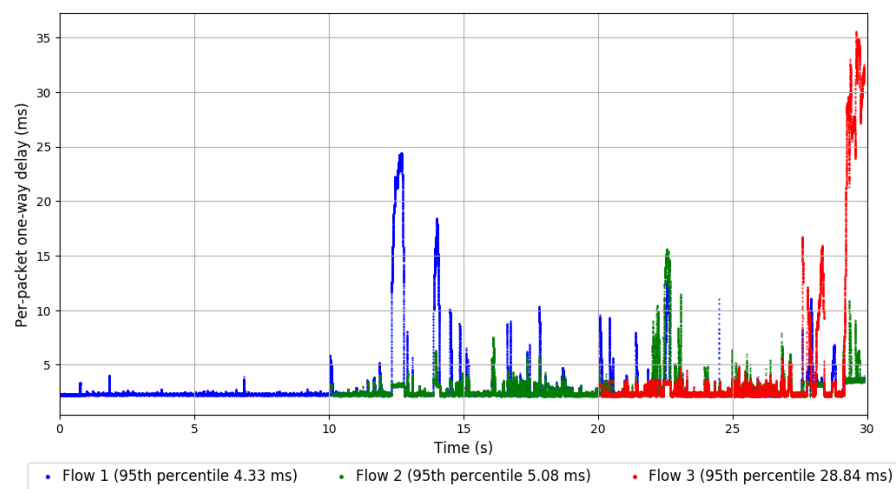
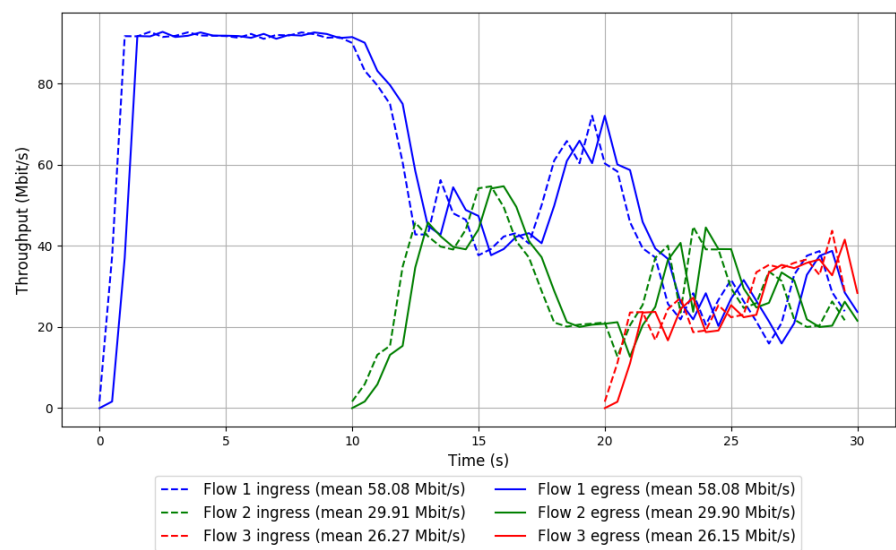


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-10 03:50:01
End at: 2018-08-10 03:50:31
Local clock offset: -4.456 ms
Remote clock offset: -3.866 ms

Below is generated by plot.py at 2018-08-10 04:59:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 6.116 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.08 Mbit/s
95th percentile per-packet one-way delay: 4.332 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 5.083 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 28.843 ms
Loss rate: 0.54%

Run 8: Report of PCC-Vivace — Data Link

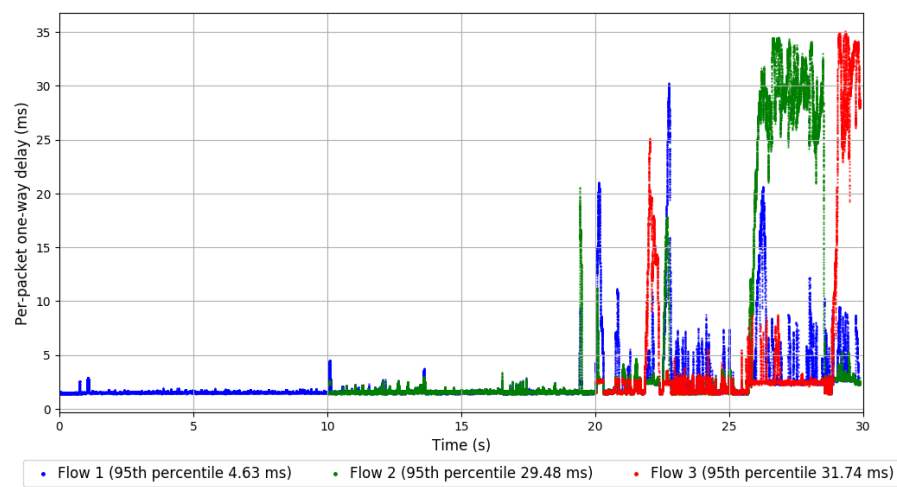
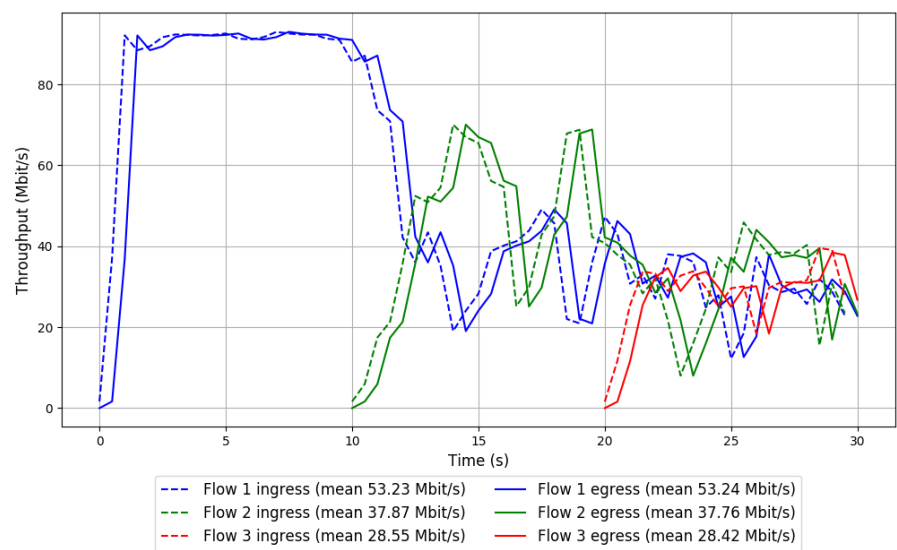


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-10 04:09:11
End at: 2018-08-10 04:09:41
Local clock offset: -5.142 ms
Remote clock offset: -3.853 ms

Below is generated by plot.py at 2018-08-10 04:59:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 21.368 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 53.24 Mbit/s
95th percentile per-packet one-way delay: 4.628 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 37.76 Mbit/s
95th percentile per-packet one-way delay: 29.478 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 31.738 ms
Loss rate: 0.57%

Run 9: Report of PCC-Vivace — Data Link

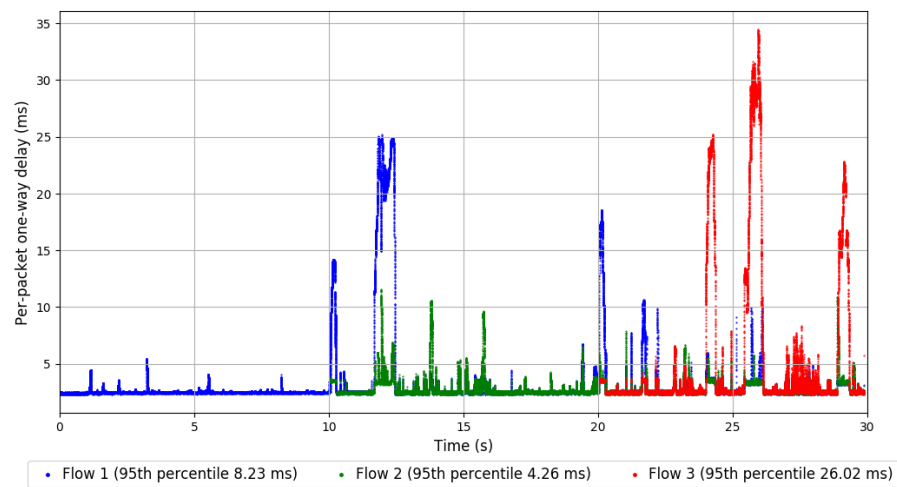
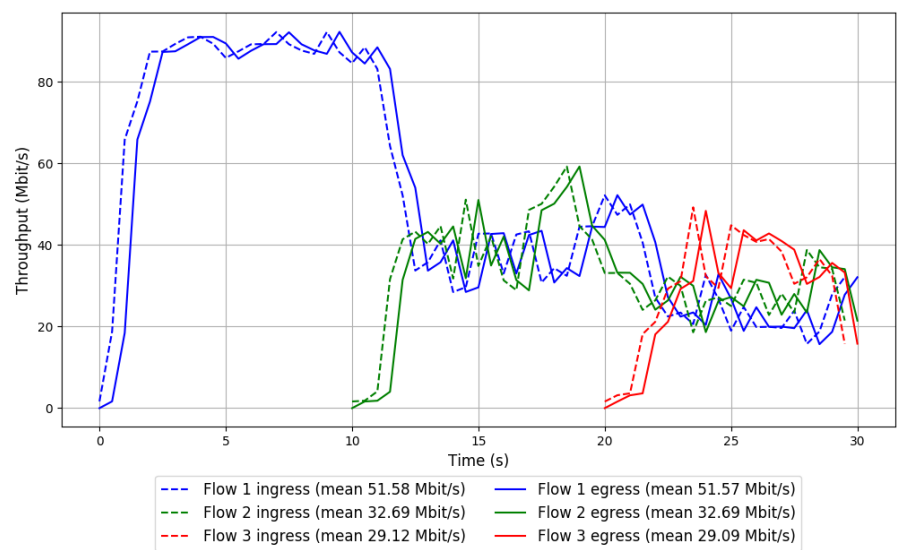


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-10 04:28:22
End at: 2018-08-10 04:28:52
Local clock offset: -4.335 ms
Remote clock offset: -3.892 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.90 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 8.230 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.69 Mbit/s
95th percentile per-packet one-way delay: 4.262 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 26.024 ms
Loss rate: 0.14%

Run 10: Report of PCC-Vivace — Data Link

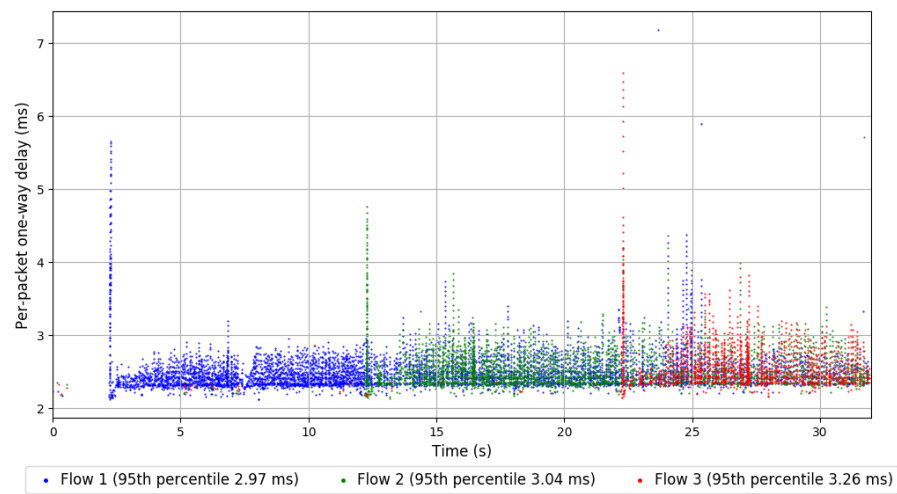
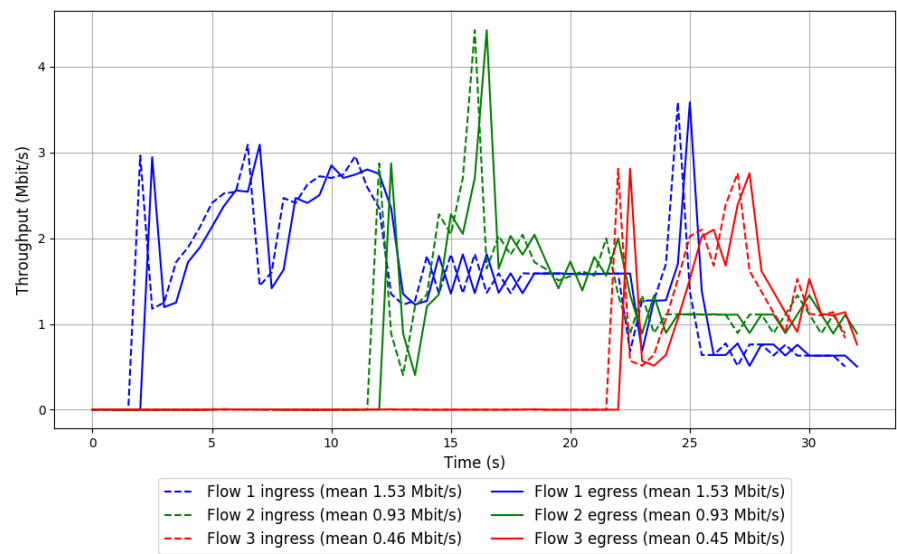


Run 1: Statistics of WebRTC media

Start at: 2018-08-10 01:29:07
End at: 2018-08-10 01:29:37
Local clock offset: -3.722 ms
Remote clock offset: -2.289 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 3.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.26%

Run 1: Report of WebRTC media — Data Link

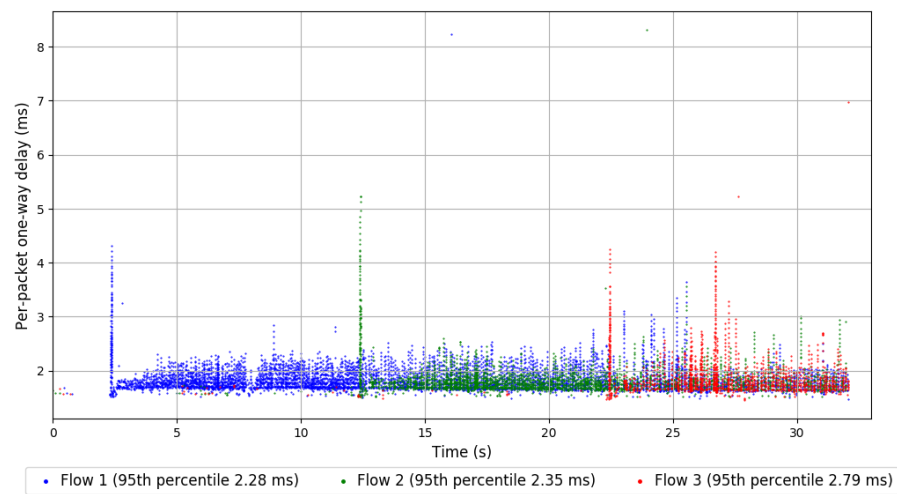
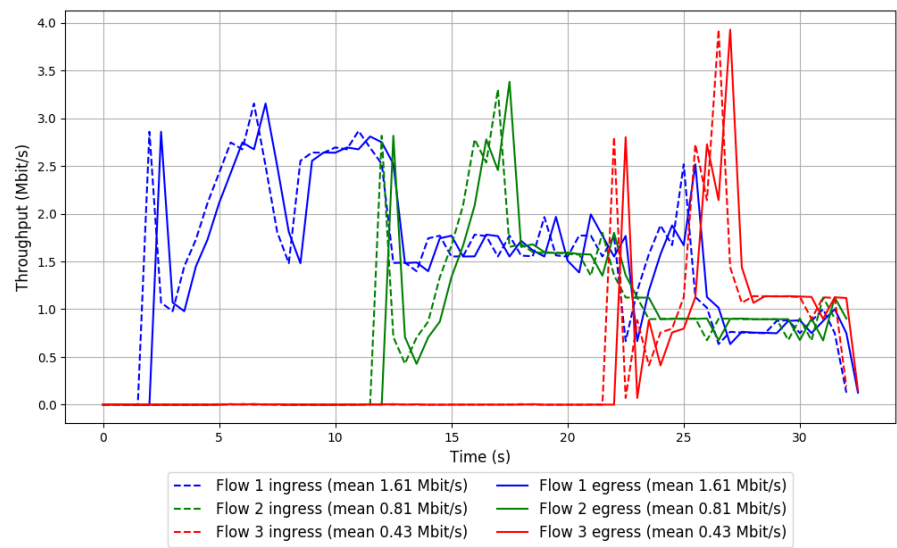


Run 2: Statistics of WebRTC media

Start at: 2018-08-10 01:48:16
End at: 2018-08-10 01:48:46
Local clock offset: -4.178 ms
Remote clock offset: -2.079 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 2.370 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 2.277 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 2.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.789 ms
Loss rate: 0.14%

Run 2: Report of WebRTC media — Data Link

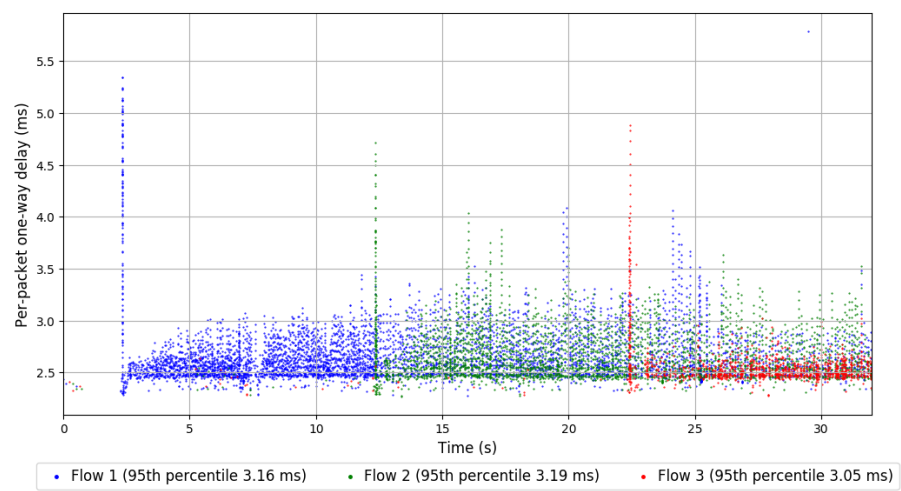
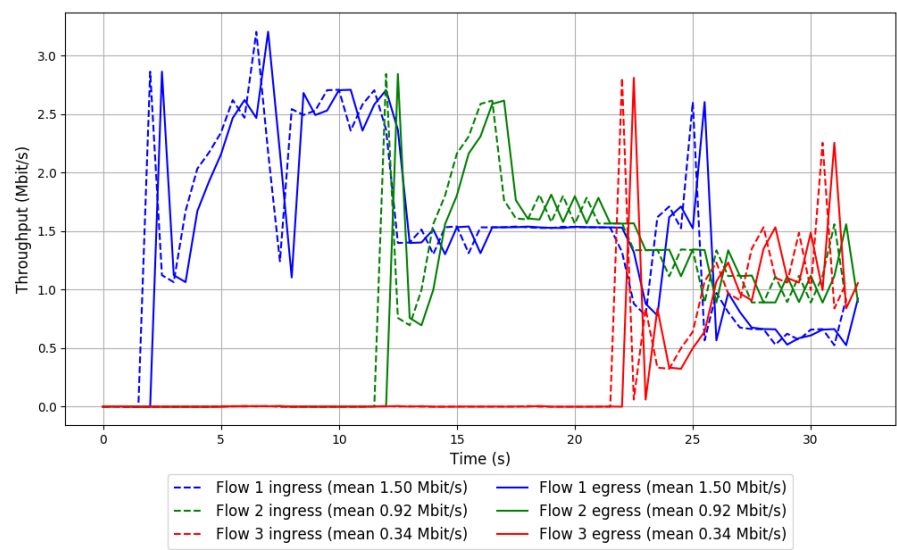


Run 3: Statistics of WebRTC media

Start at: 2018-08-10 02:07:27
End at: 2018-08-10 02:07:57
Local clock offset: -2.509 ms
Remote clock offset: -2.152 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 3.156 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 3.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 3.047 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

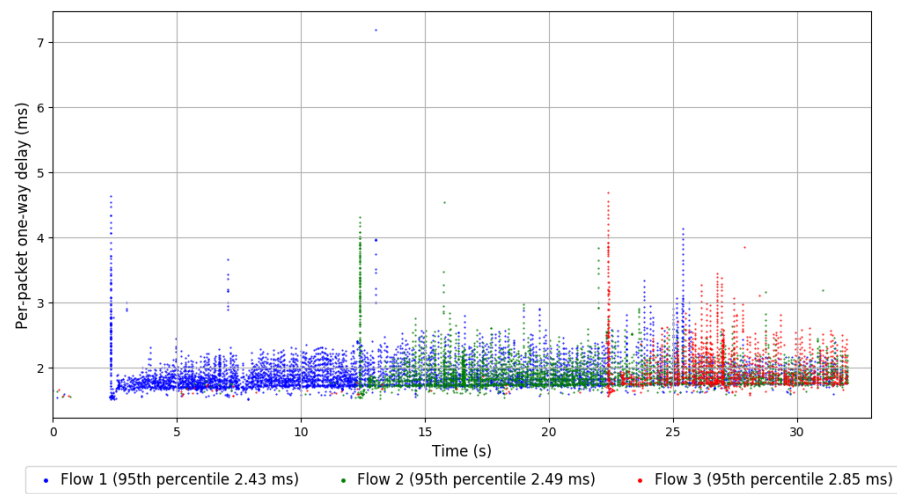
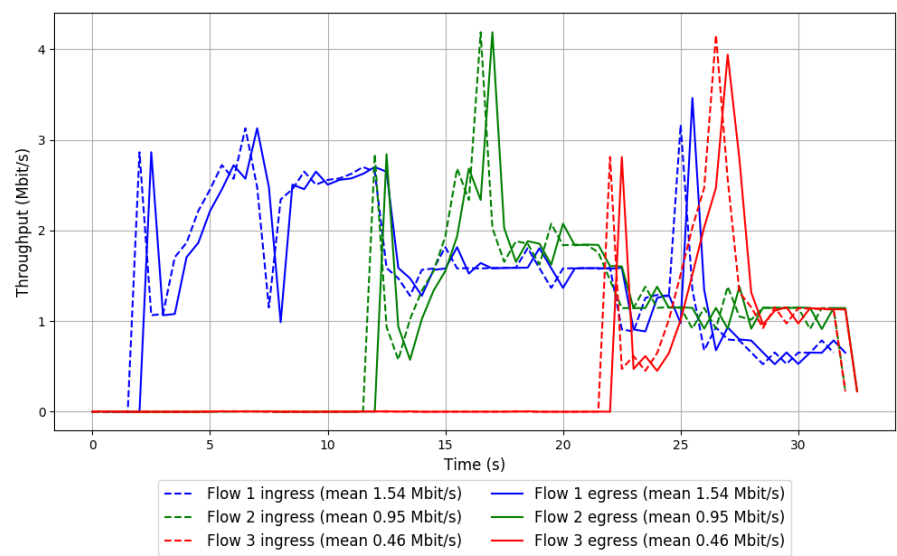


Run 4: Statistics of WebRTC media

Start at: 2018-08-10 02:26:36
End at: 2018-08-10 02:27:06
Local clock offset: -3.957 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.94 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 2.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 2.494 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 2.849 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

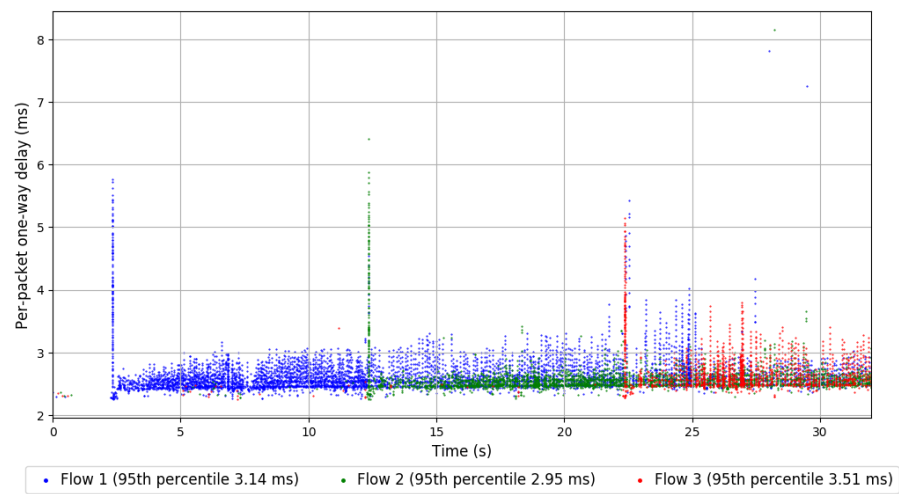
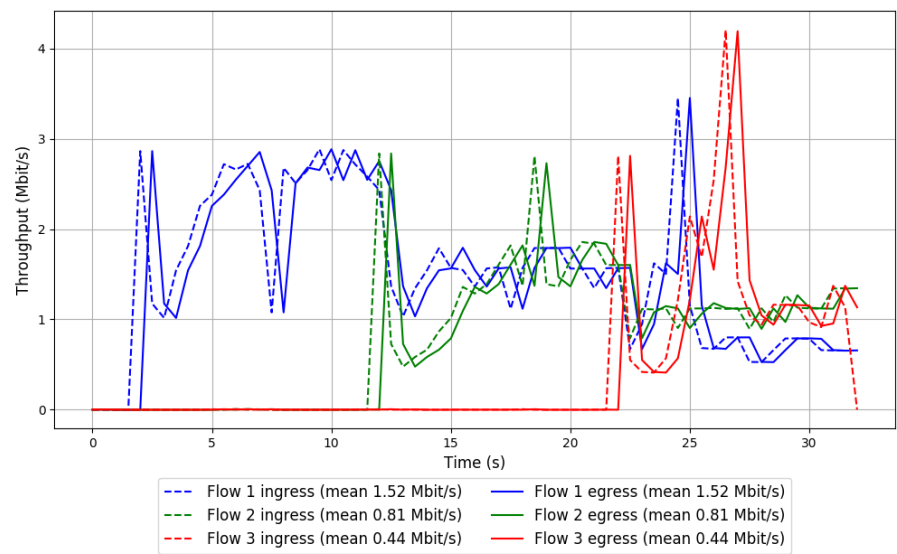


Run 5: Statistics of WebRTC media

Start at: 2018-08-10 02:45:47
End at: 2018-08-10 02:46:17
Local clock offset: -3.681 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 3.175 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 3.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 2.953 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.510 ms
Loss rate: 0.01%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-10 03:04:55

End at: 2018-08-10 03:05:25

Local clock offset: -5.292 ms

Remote clock offset: 0.512 ms

Below is generated by plot.py at 2018-08-10 04:59:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 2.408 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.93 Mbit/s

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

Loss rate: 0.00%

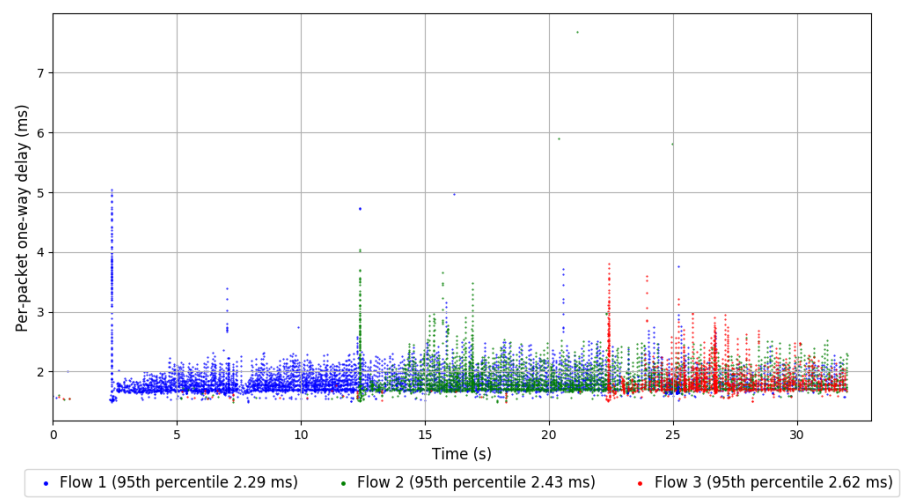
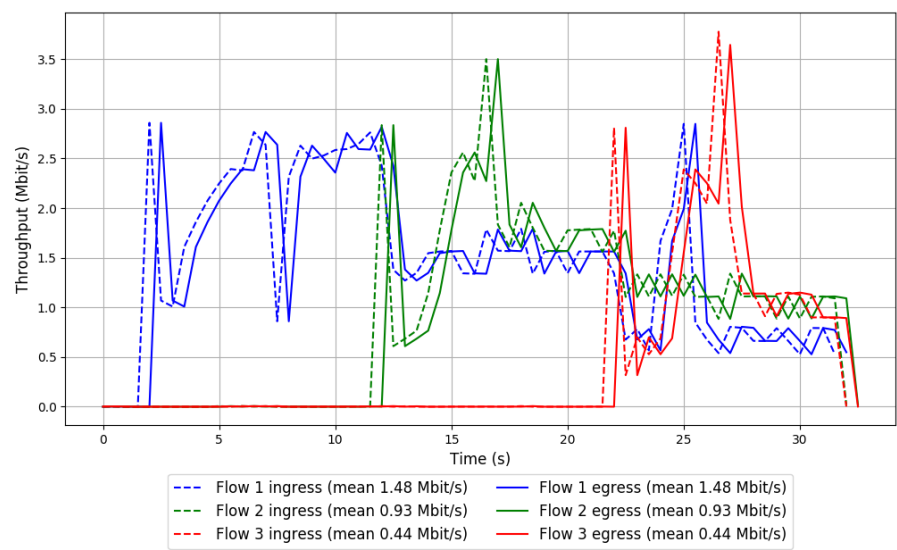
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 2.621 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-10 03:24:07

End at: 2018-08-10 03:24:37

Local clock offset: -4.535 ms

Remote clock offset: 1.03 ms

Below is generated by plot.py at 2018-08-10 04:59:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 3.182 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 3.089 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 3.233 ms

Loss rate: 0.00%

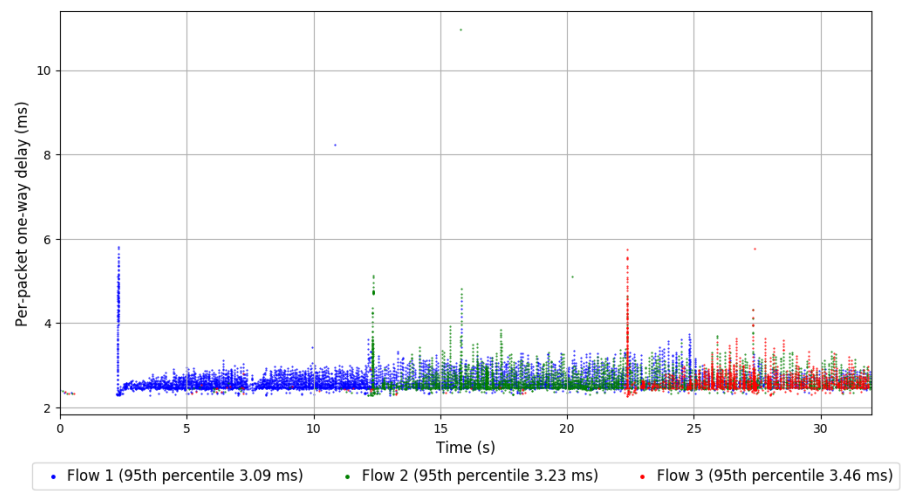
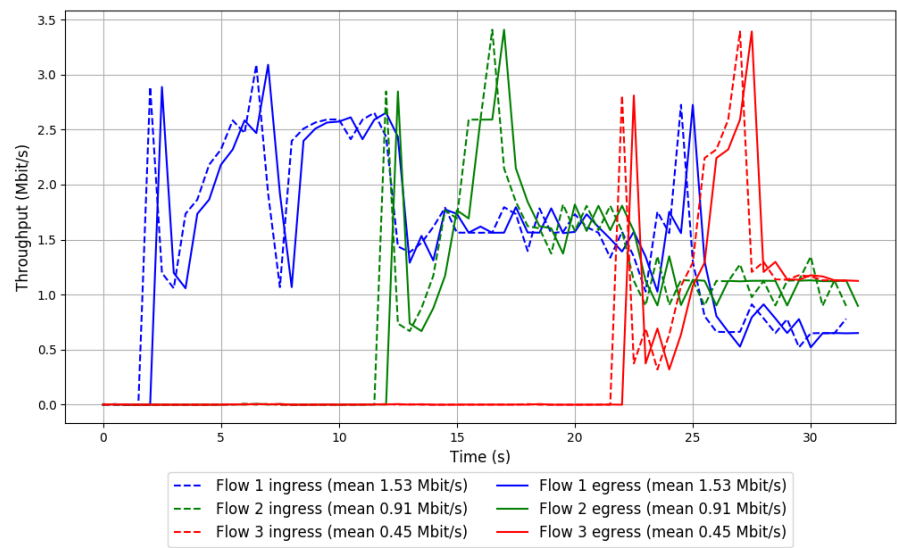
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 3.456 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

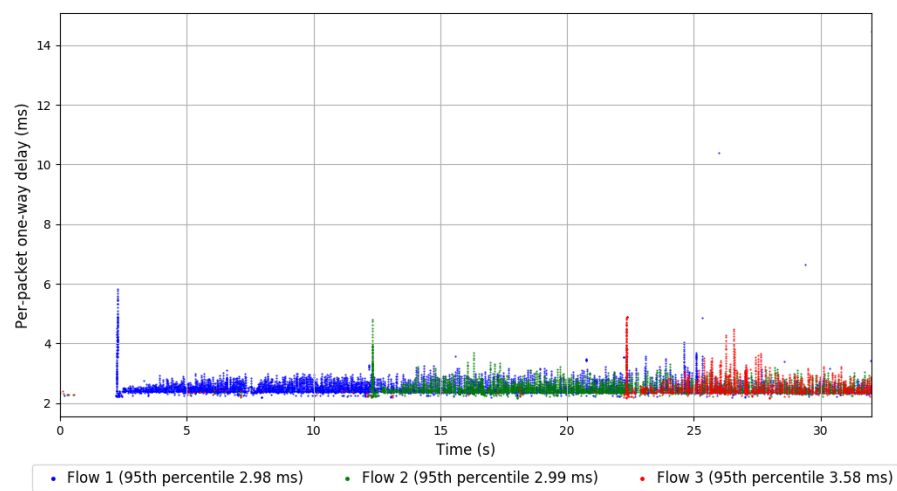
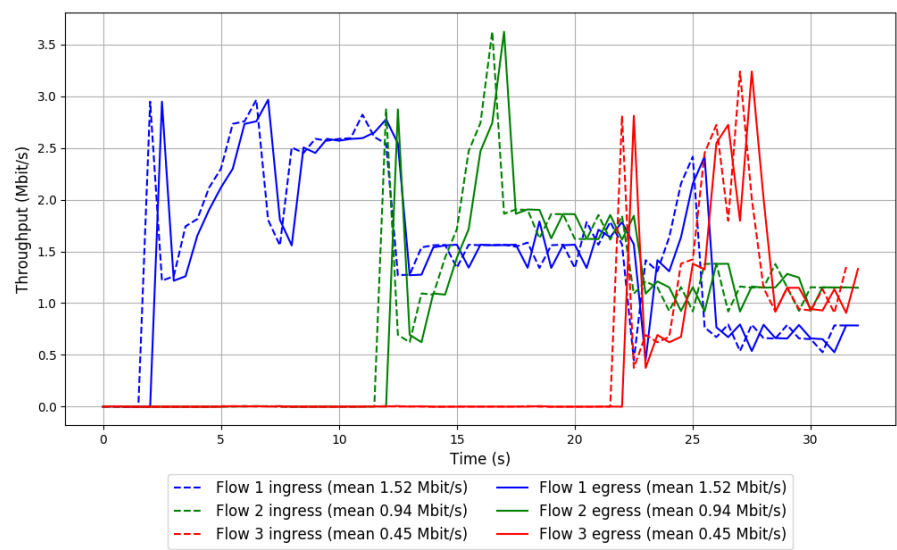


Run 8: Statistics of WebRTC media

Start at: 2018-08-10 03:43:16
End at: 2018-08-10 03:43:46
Local clock offset: -4.557 ms
Remote clock offset: -3.215 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 3.081 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.52 Mbit/s
95th percentile per-packet one-way delay: 2.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 2.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 3.579 ms
Loss rate: 0.07%

Run 8: Report of WebRTC media — Data Link

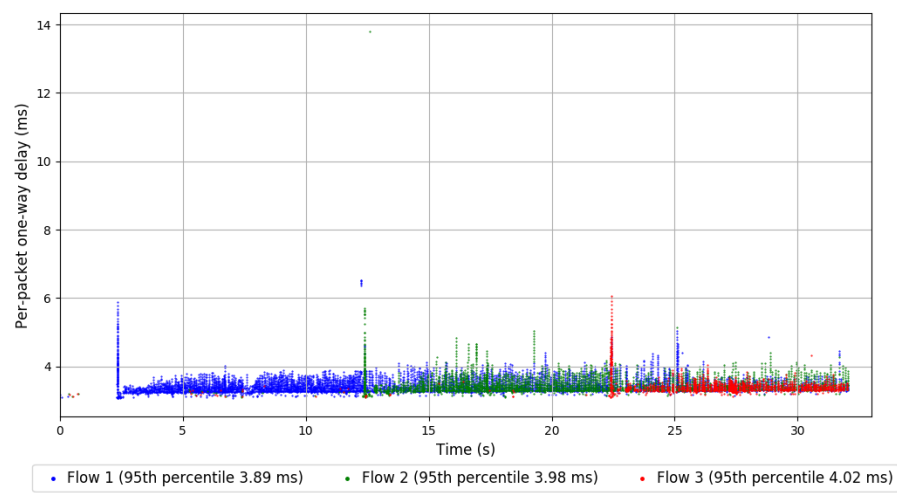
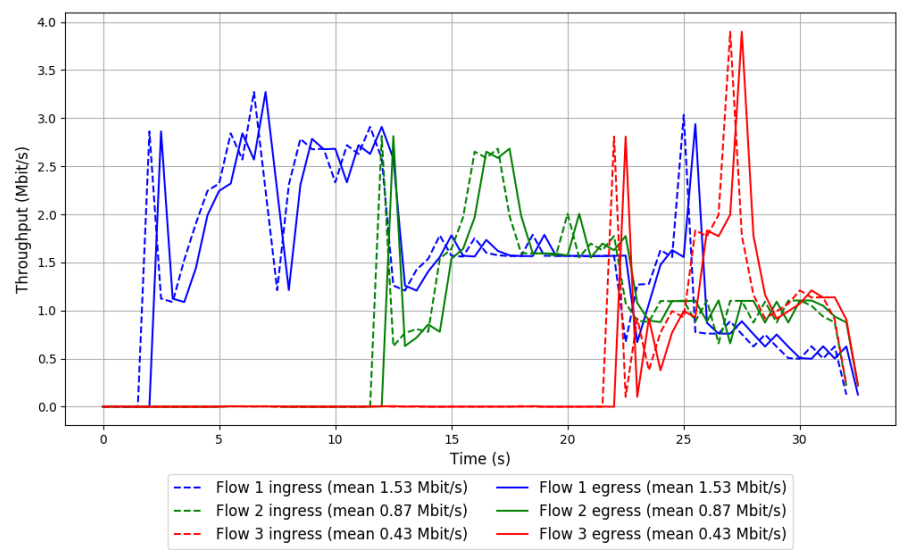


Run 9: Statistics of WebRTC media

Start at: 2018-08-10 04:02:26
End at: 2018-08-10 04:02:56
Local clock offset: -3.531 ms
Remote clock offset: -4.521 ms

```
# Below is generated by plot.py at 2018-08-10 04:59:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 3.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 3.887 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 3.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 4.016 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-10 04:21:36
End at: 2018-08-10 04:22:06
Local clock offset: -4.322 ms
Remote clock offset: -3.681 ms

Below is generated by plot.py at 2018-08-10 04:59:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 3.021 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.50 Mbit/s
95th percentile per-packet one-way delay: 2.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 2.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.353 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

