

Pantheon Report

Generated at 2018-08-22 06:06:48 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

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

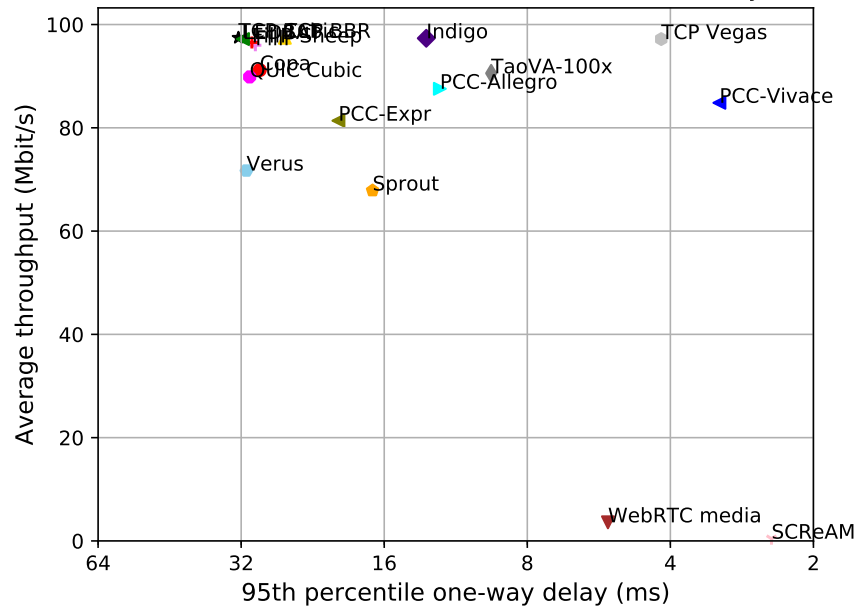
System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

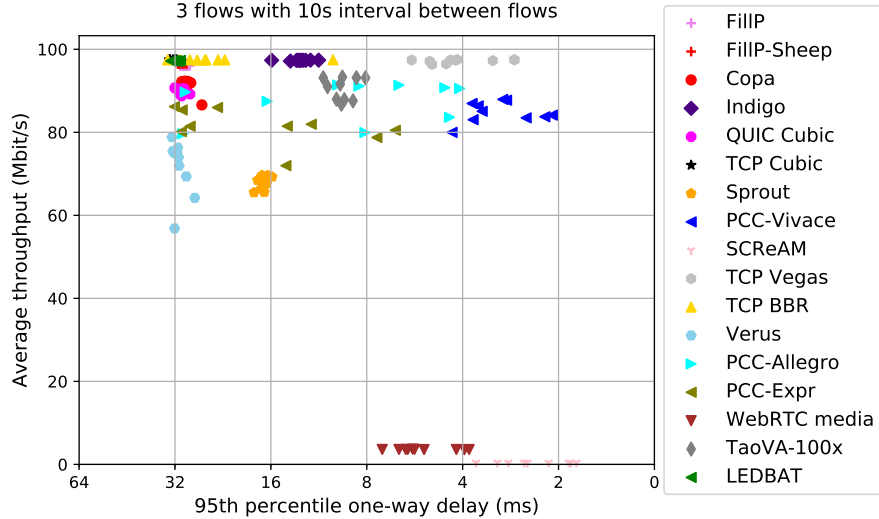
Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
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-quic @ 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 AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



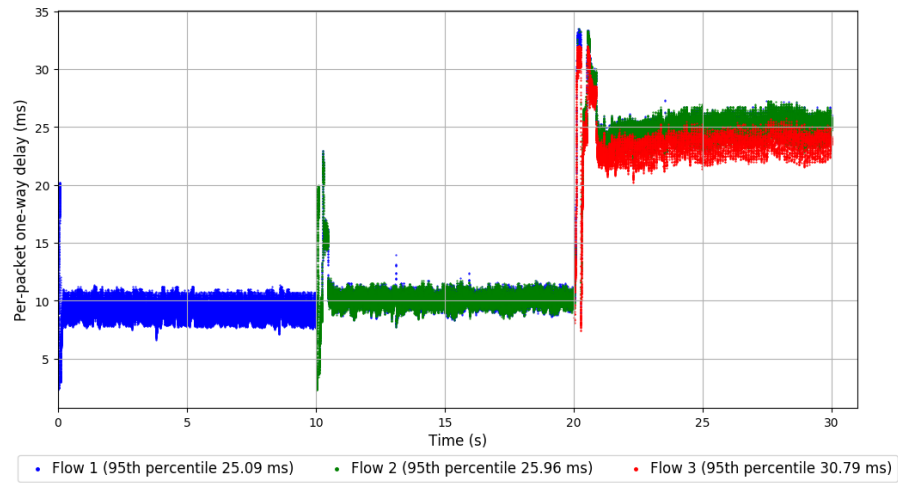
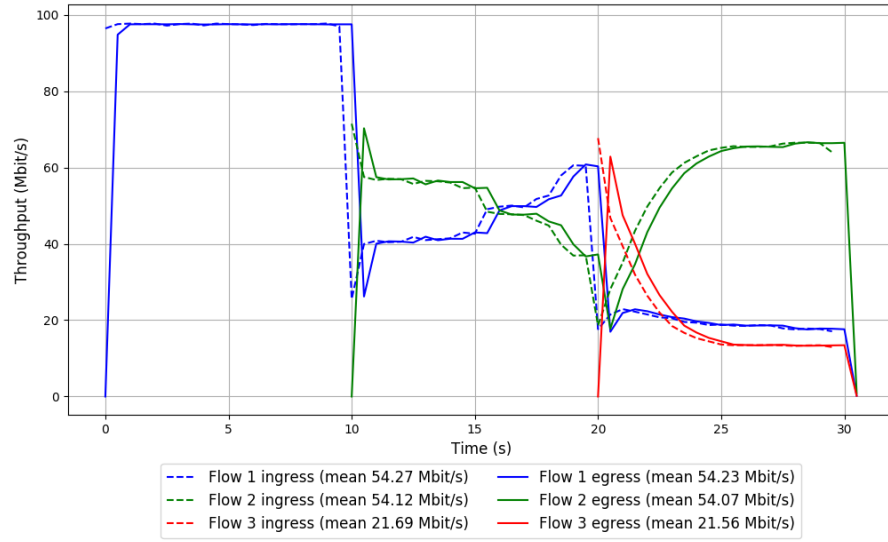
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	69.27	31.99	20.60	25.57	25.54	29.55	0.10	0.05	0.89
Copa	10	54.61	39.28	31.23	28.24	29.85	29.92	0.01	0.02	0.03
TCP Cubic	10	65.42	34.23	27.82	32.29	31.95	31.90	0.03	0.08	0.13
FillP	10	52.79	46.58	36.88	29.23	29.33	29.78	12.09	21.89	25.46
FillP-Sheep	10	60.18	38.59	32.17	30.13	29.63	29.64	15.24	28.25	34.32
Indigo	10	46.49	42.29	69.91	11.14	12.90	13.32	0.00	0.00	0.01
LEDBAT	10	63.27	37.91	26.61	31.64	31.64	31.42	0.03	0.08	0.17
PCC-Allegro	10	70.81	19.22	12.02	9.70	16.31	18.13	0.01	0.03	0.08
PCC-Expr	10	45.39	42.23	23.93	19.02	16.70	13.54	0.41	0.31	0.26
QUIC Cubic	10	57.42	35.05	27.78	30.47	30.47	30.53	0.15	0.18	0.26
SCReAM	10	0.22	0.22	0.22	1.60	1.73	2.16	0.00	0.00	0.00
Sprout	10	35.50	33.27	30.96	15.66	17.06	19.09	0.00	0.00	0.01
TaoVA-100x	10	56.57	36.87	28.37	8.24	10.39	11.41	0.02	0.21	0.79
TCP Vegas	10	54.51	42.17	43.85	4.95	3.54	3.60	0.00	0.00	0.01
Verus	10	42.52	31.16	25.82	29.07	31.54	32.14	7.35	14.39	25.45
PCC-Vivace	10	50.10	39.47	25.72	2.45	3.47	4.93	0.00	0.00	0.01
WebRTC media	10	1.94	1.26	0.41	5.08	5.30	5.87	0.01	0.02	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-08-22 02:33:21
End at: 2018-08-22 02:33:51
Local clock offset: -6.113 ms
Remote clock offset: -2.237 ms

Below is generated by plot.py at 2018-08-22 05:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 25.745 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 54.23 Mbit/s
95th percentile per-packet one-way delay: 25.094 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 25.963 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.56 Mbit/s
95th percentile per-packet one-way delay: 30.789 ms
Loss rate: 0.47%

Run 1: Report of TCP BBR — Data Link

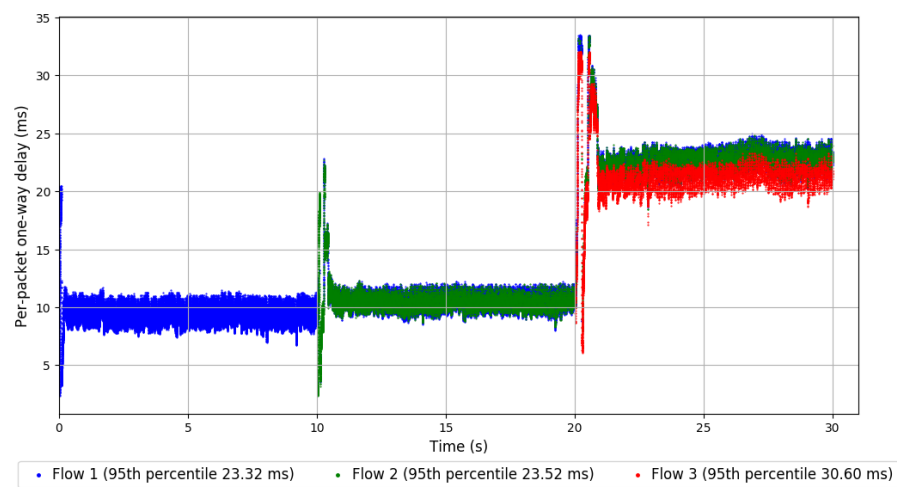
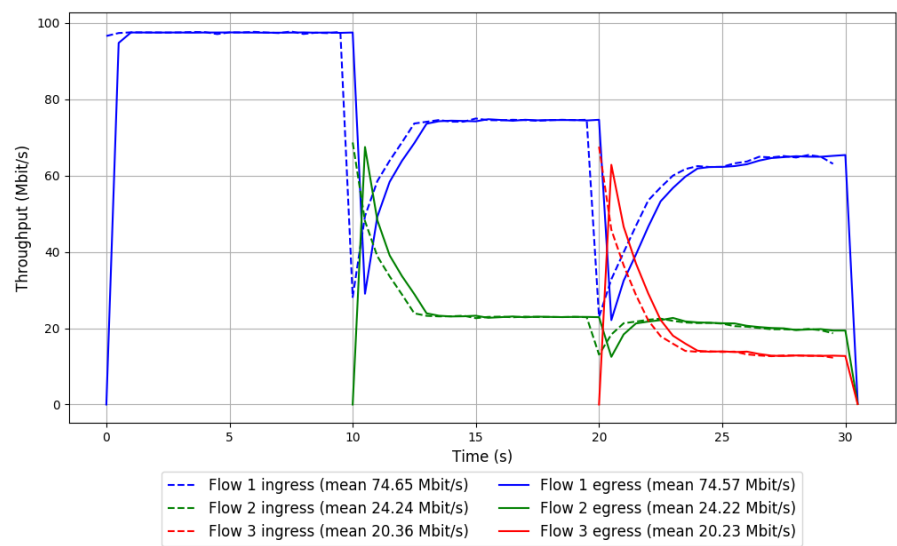


Run 2: Statistics of TCP BBR

Start at: 2018-08-22 02:52:32
End at: 2018-08-22 02:53:02
Local clock offset: -3.262 ms
Remote clock offset: -1.772 ms

Below is generated by plot.py at 2018-08-22 05:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 23.433 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 23.318 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 23.520 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.53%

Run 2: Report of TCP BBR — Data Link

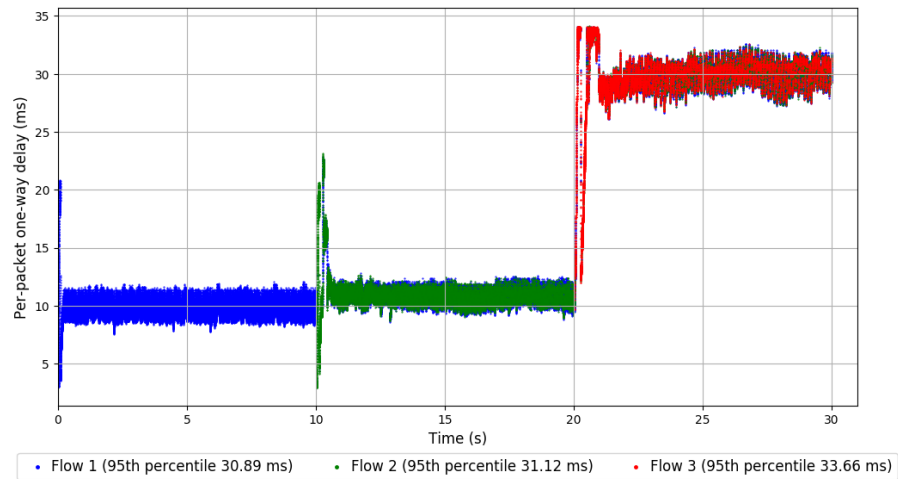
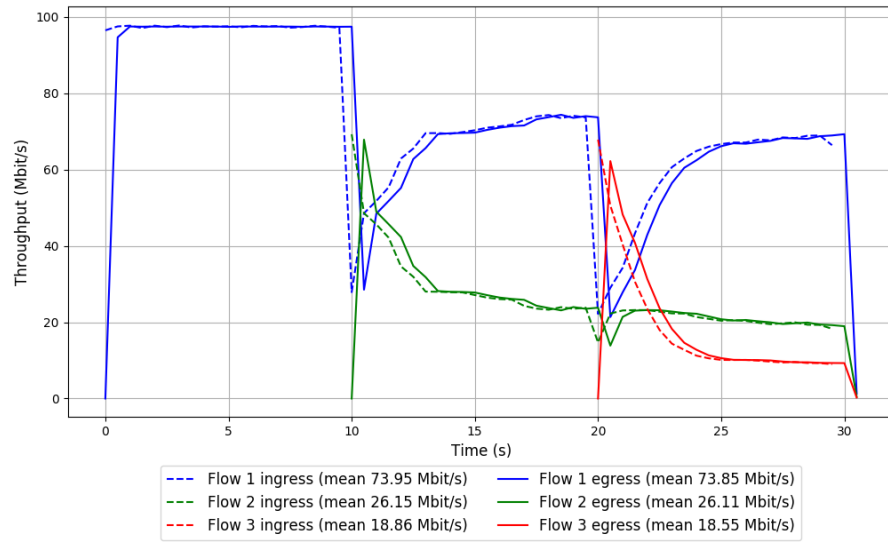


Run 3: Statistics of TCP BBR

Start at: 2018-08-22 03:11:43
End at: 2018-08-22 03:12:13
Local clock offset: -3.441 ms
Remote clock offset: -1.361 ms

Below is generated by plot.py at 2018-08-22 05:42:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 31.097 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 73.85 Mbit/s
95th percentile per-packet one-way delay: 30.892 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 26.11 Mbit/s
95th percentile per-packet one-way delay: 31.119 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 33.663 ms
Loss rate: 1.43%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-08-22 03:30:53

End at: 2018-08-22 03:31:23

Local clock offset: -3.648 ms

Remote clock offset: -8.65 ms

Below is generated by plot.py at 2018-08-22 05:42:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.45 Mbit/s

95th percentile per-packet one-way delay: 22.320 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 74.64 Mbit/s

95th percentile per-packet one-way delay: 22.314 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 21.266 ms

Loss rate: 0.01%

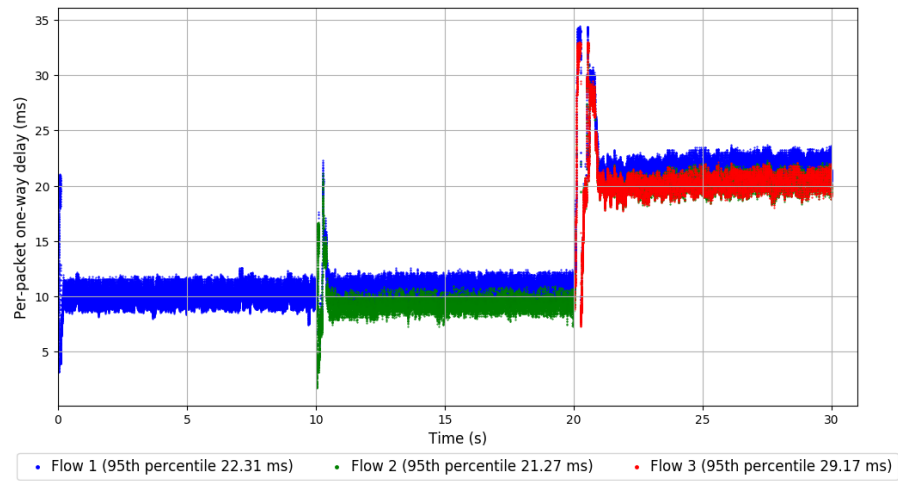
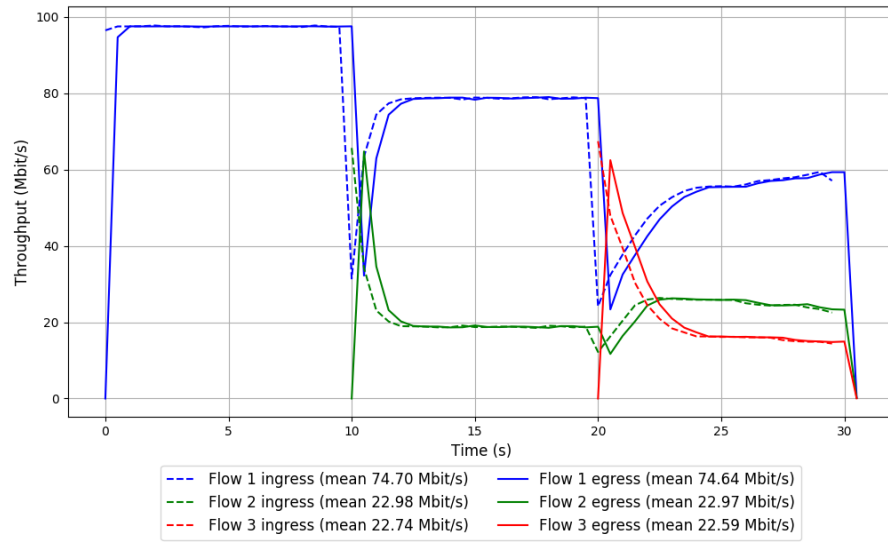
-- Flow 3:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 29.172 ms

Loss rate: 0.55%

Run 4: Report of TCP BBR — Data Link

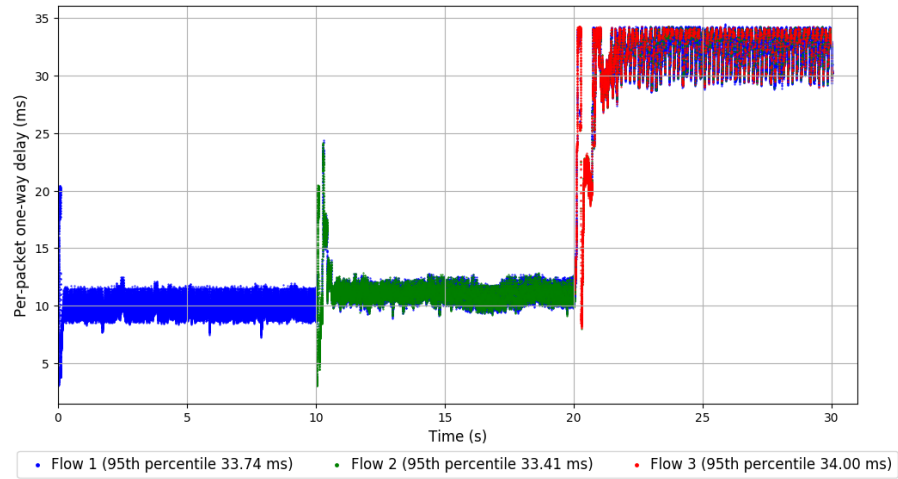
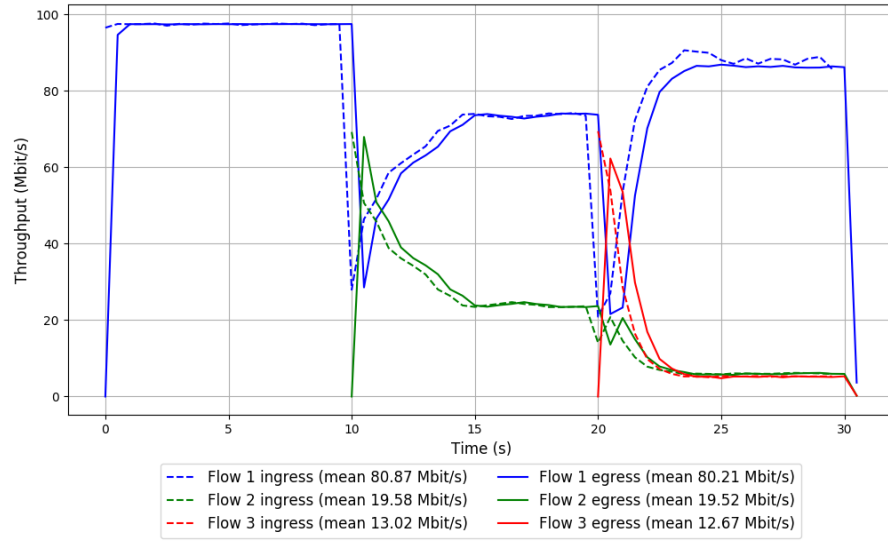


Run 5: Statistics of TCP BBR

Start at: 2018-08-22 03:50:04
End at: 2018-08-22 03:50:34
Local clock offset: -6.595 ms
Remote clock offset: -13.782 ms

Below is generated by plot.py at 2018-08-22 05:42:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 33.741 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 33.741 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 33.411 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 33.998 ms
Loss rate: 2.54%

Run 5: Report of TCP BBR — Data Link

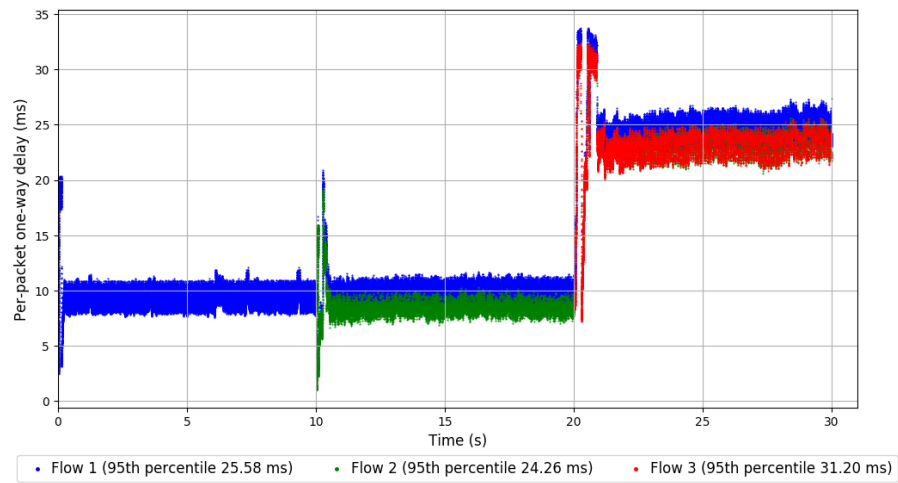
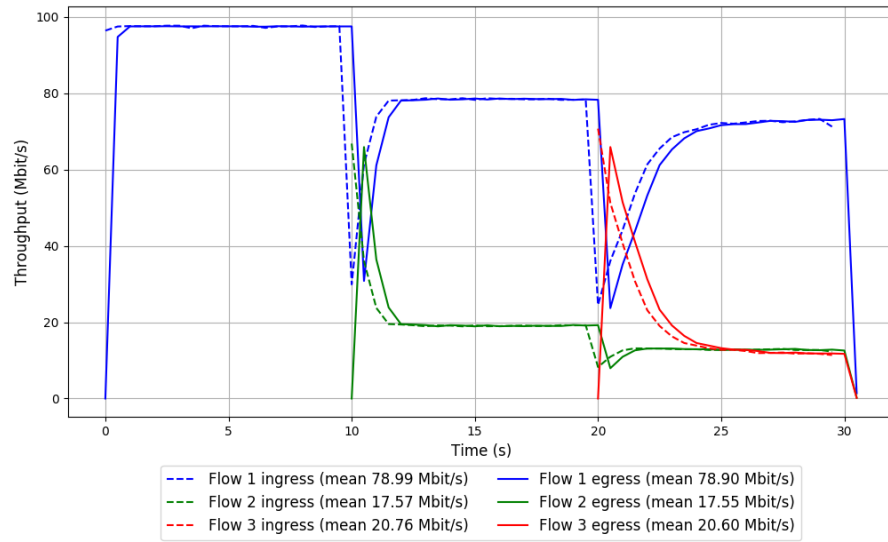


Run 6: Statistics of TCP BBR

Start at: 2018-08-22 04:09:14
End at: 2018-08-22 04:09:44
Local clock offset: -5.998 ms
Remote clock offset: -16.453 ms

Below is generated by plot.py at 2018-08-22 05:42:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 25.605 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 25.581 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 24.256 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 20.60 Mbit/s
95th percentile per-packet one-way delay: 31.205 ms
Loss rate: 0.63%

Run 6: Report of TCP BBR — Data Link

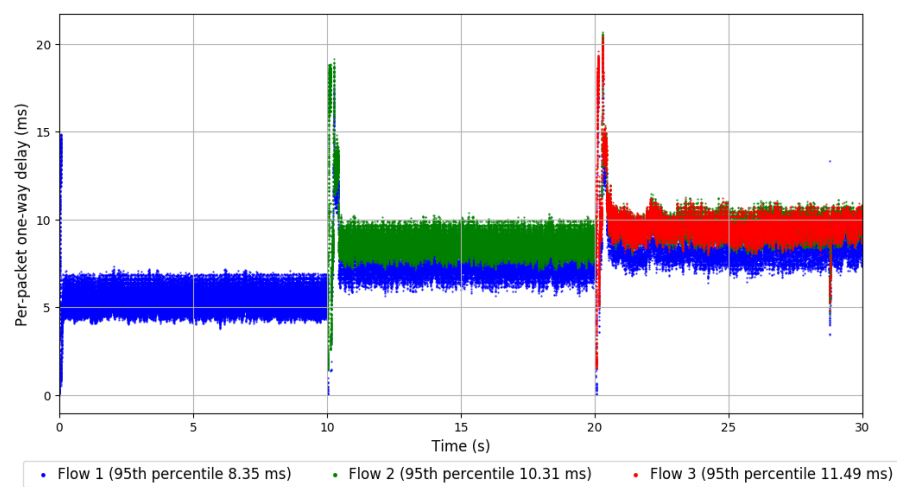
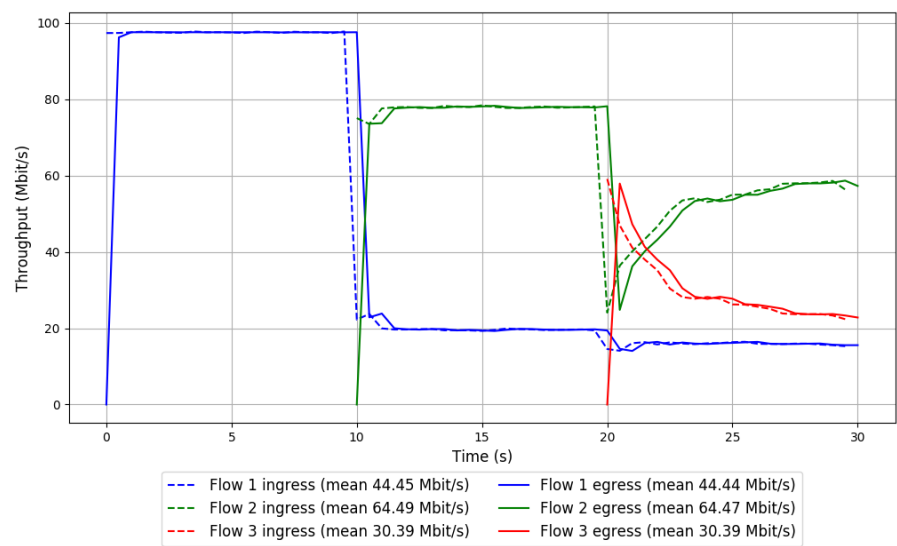


Run 7: Statistics of TCP BBR

Start at: 2018-08-22 04:28:25
End at: 2018-08-22 04:28:55
Local clock offset: -2.233 ms
Remote clock offset: -18.929 ms

Below is generated by plot.py at 2018-08-22 05:42:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 10.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.44 Mbit/s
95th percentile per-packet one-way delay: 8.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 10.314 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 11.493 ms
Loss rate: 0.01%

Run 7: Report of TCP BBR — Data Link

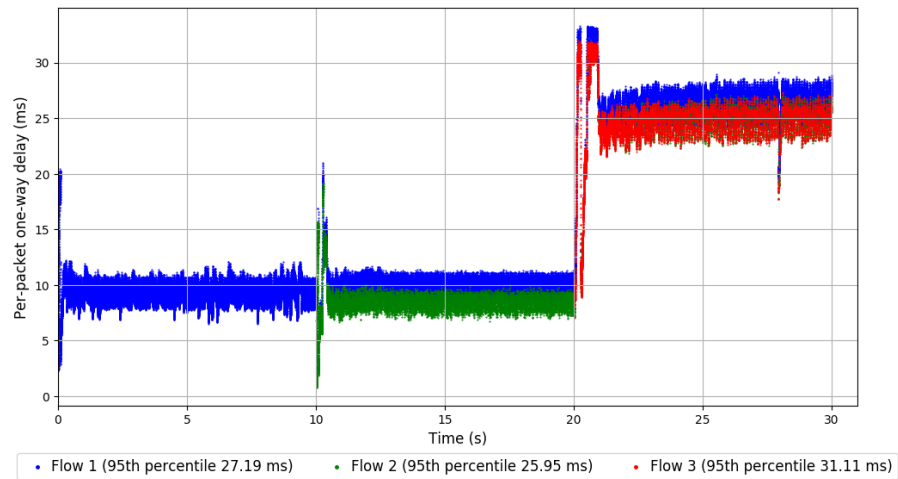
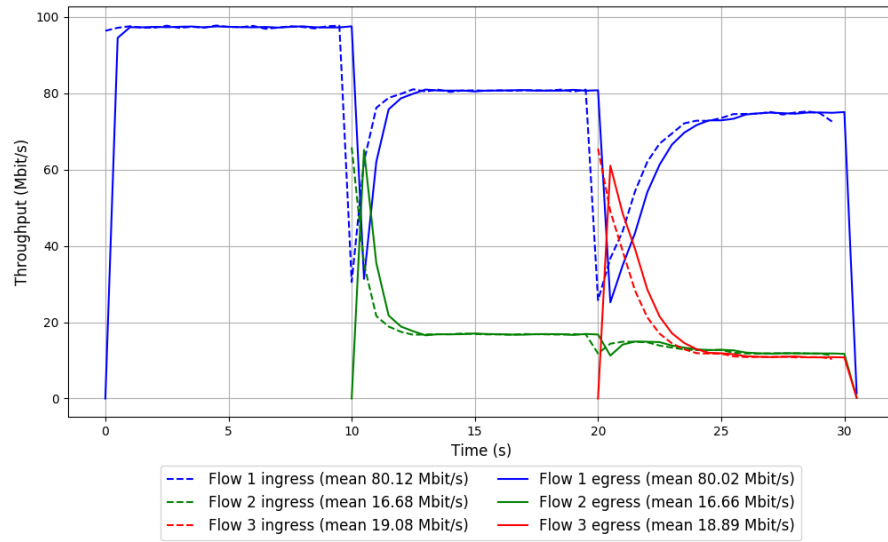


Run 8: Statistics of TCP BBR

Start at: 2018-08-22 04:47:36
End at: 2018-08-22 04:48:06
Local clock offset: -3.218 ms
Remote clock offset: -1.456 ms

Below is generated by plot.py at 2018-08-22 05:42:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 27.246 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 80.02 Mbit/s
95th percentile per-packet one-way delay: 27.189 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 25.947 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 31.111 ms
Loss rate: 0.80%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-08-22 05:06:46

End at: 2018-08-22 05:07:16

Local clock offset: -3.345 ms

Remote clock offset: 2.961 ms

Below is generated by plot.py at 2018-08-22 05:43:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.41 Mbit/s

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

Loss rate: 0.12%

-- Flow 1:

Average throughput: 73.80 Mbit/s

95th percentile per-packet one-way delay: 30.763 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 26.51 Mbit/s

95th percentile per-packet one-way delay: 30.710 ms

Loss rate: 0.04%

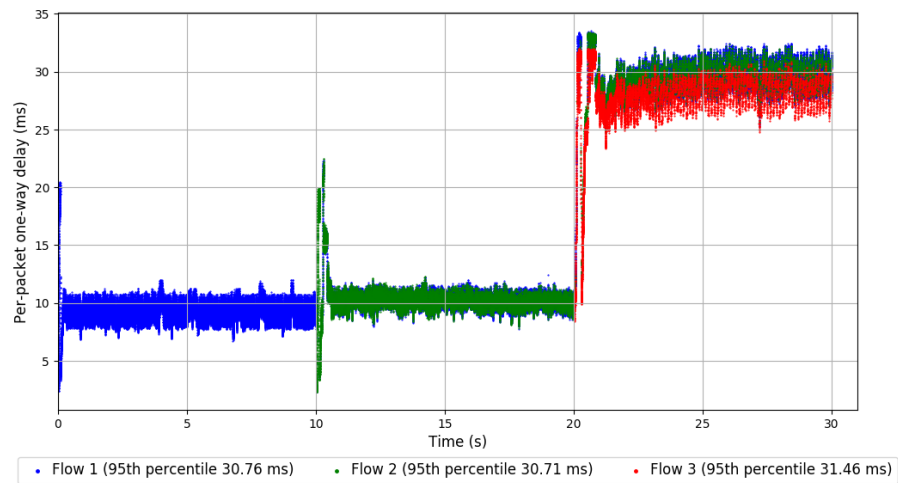
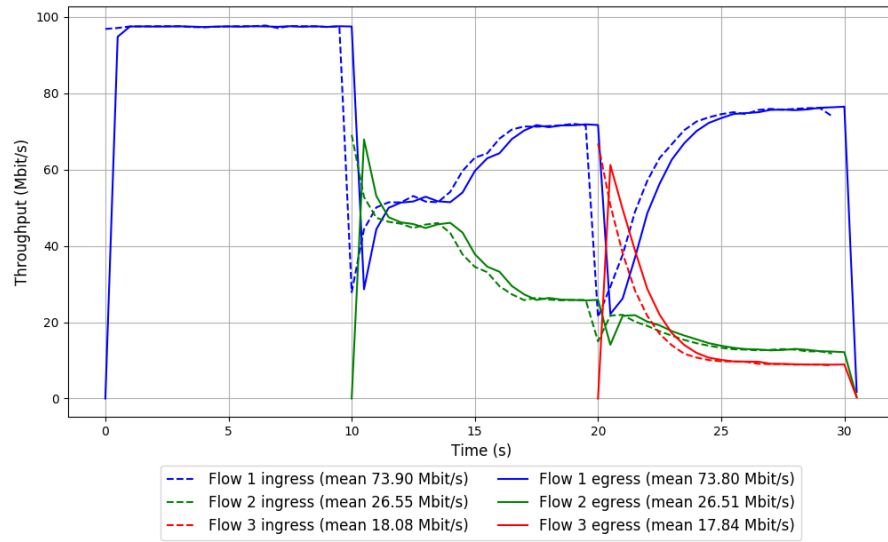
-- Flow 3:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 31.465 ms

Loss rate: 1.18%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-08-22 05:25:55

End at: 2018-08-22 05:26:25

Local clock offset: -4.845 ms

Remote clock offset: 4.838 ms

Below is generated by plot.py at 2018-08-22 05:43:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 28.755 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 28.442 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 47.82 Mbit/s

95th percentile per-packet one-way delay: 28.866 ms

Loss rate: 0.05%

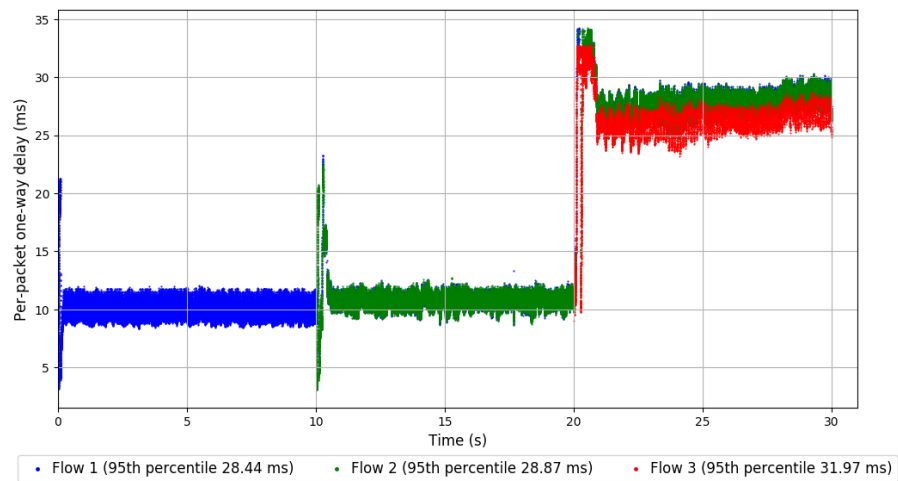
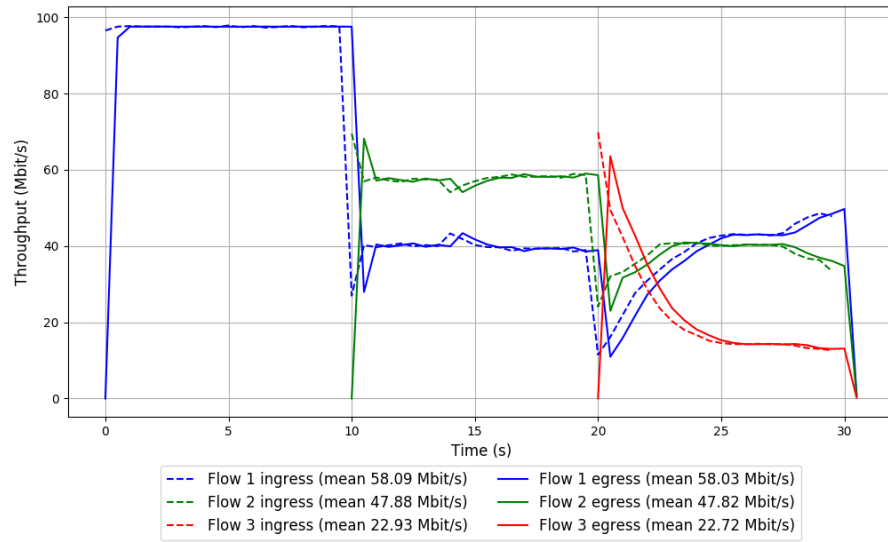
-- Flow 3:

Average throughput: 22.72 Mbit/s

95th percentile per-packet one-way delay: 31.967 ms

Loss rate: 0.74%

Run 10: Report of TCP BBR — Data Link

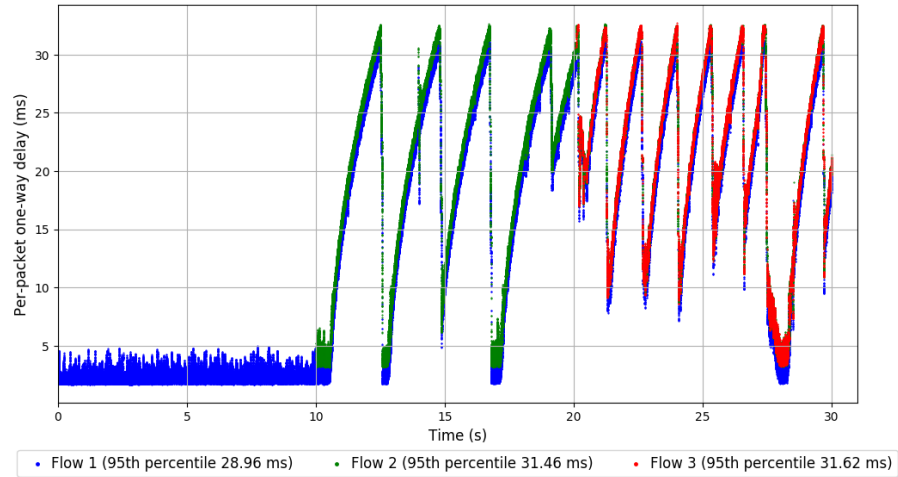
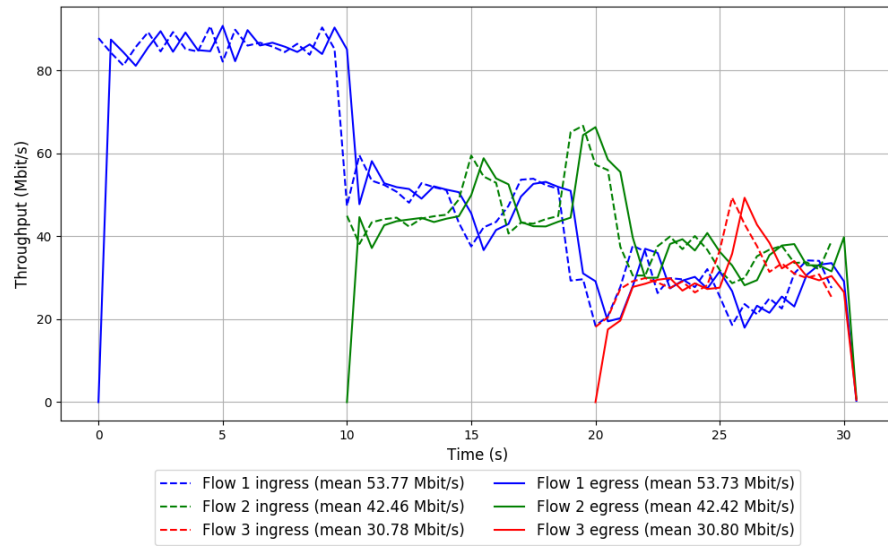


Run 1: Statistics of Copa

Start at: 2018-08-22 02:42:18
End at: 2018-08-22 02:42:48
Local clock offset: -5.531 ms
Remote clock offset: -2.203 ms

Below is generated by plot.py at 2018-08-22 05:44:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 30.466 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 28.957 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 42.42 Mbit/s
95th percentile per-packet one-way delay: 31.457 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.80 Mbit/s
95th percentile per-packet one-way delay: 31.616 ms
Loss rate: 0.04%

Run 1: Report of Copa — Data Link

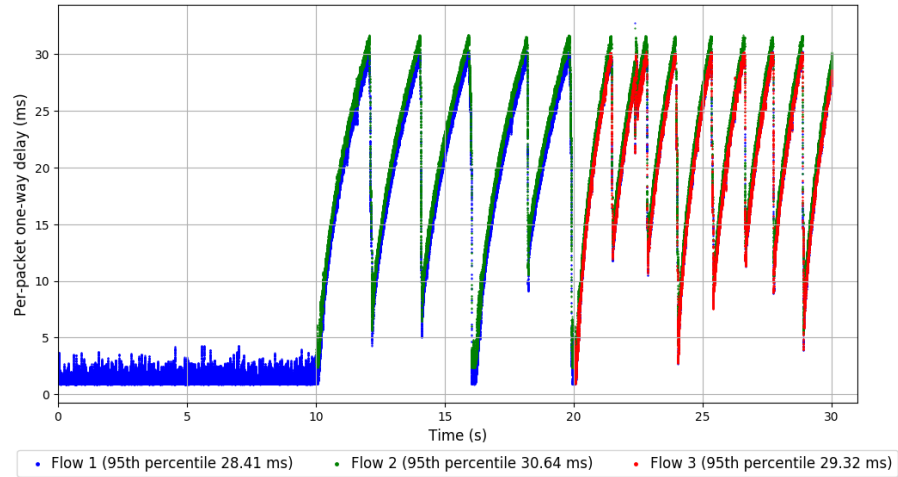
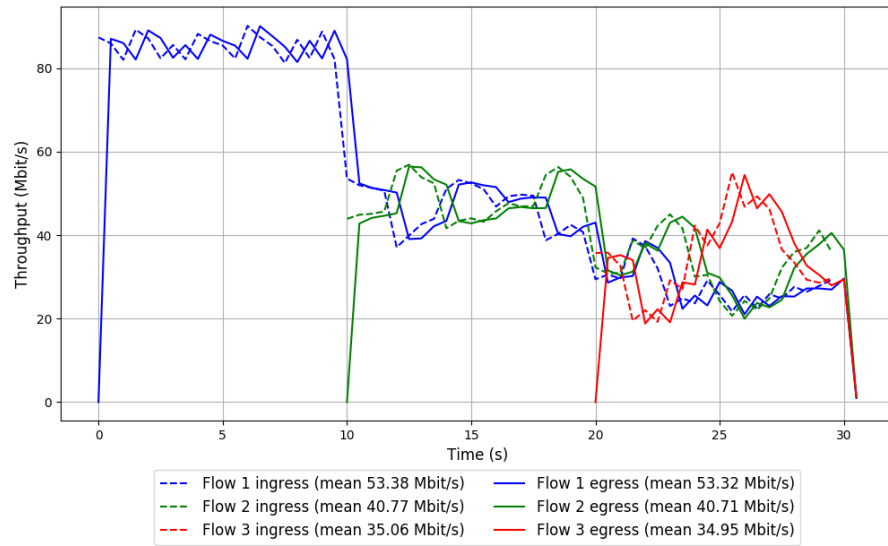


Run 2: Statistics of Copa

Start at: 2018-08-22 03:01:28
End at: 2018-08-22 03:01:58
Local clock offset: -2.582 ms
Remote clock offset: -1.484 ms

Below is generated by plot.py at 2018-08-22 05:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: 29.511 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 28.409 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 29.322 ms
Loss rate: 0.03%

Run 2: Report of Copa — Data Link

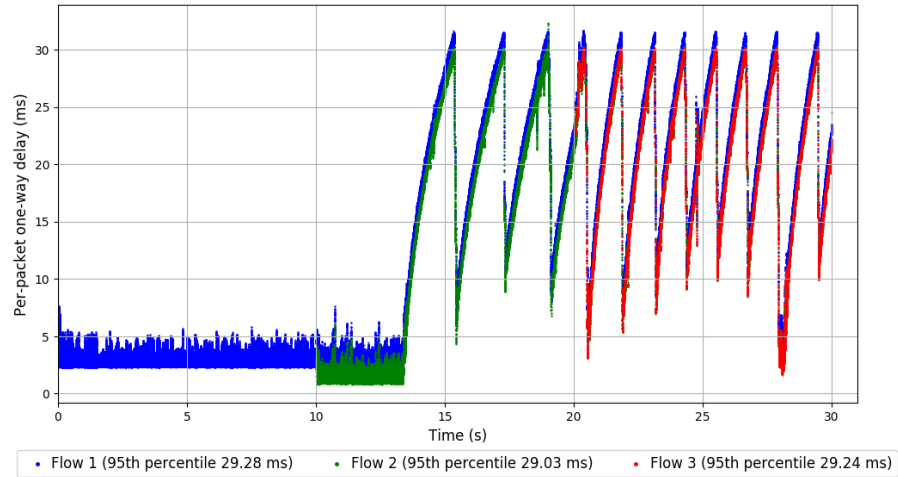
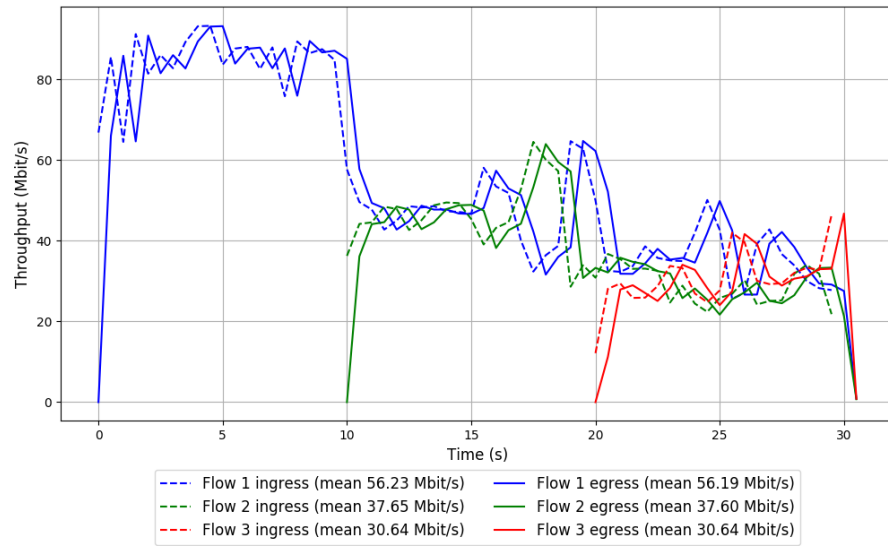


Run 3: Statistics of Copa

Start at: 2018-08-22 03:20:39
End at: 2018-08-22 03:21:09
Local clock offset: -2.915 ms
Remote clock offset: -1.114 ms

Below is generated by plot.py at 2018-08-22 05:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: 29.189 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 29.277 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 29.031 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.64 Mbit/s
95th percentile per-packet one-way delay: 29.236 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

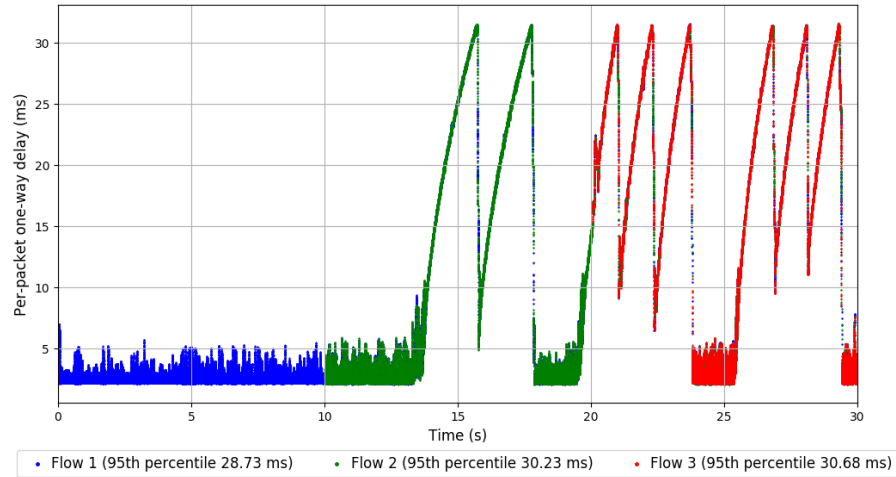
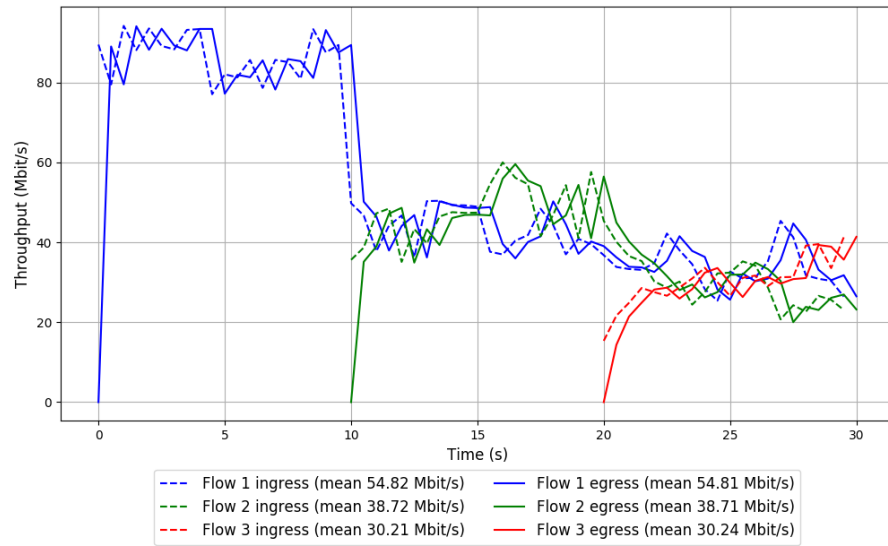


Run 4: Statistics of Copa

Start at: 2018-08-22 03:39:50
End at: 2018-08-22 03:40:20
Local clock offset: -3.757 ms
Remote clock offset: -11.778 ms

Below is generated by plot.py at 2018-08-22 05:44:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.64 Mbit/s
95th percentile per-packet one-way delay: 29.756 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 28.727 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.71 Mbit/s
95th percentile per-packet one-way delay: 30.227 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 30.676 ms
Loss rate: 0.03%

Run 4: Report of Copa — Data Link

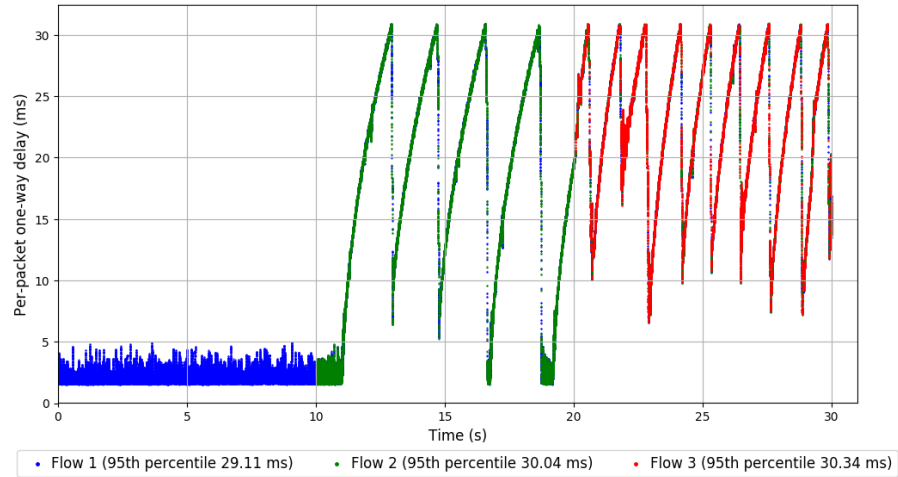
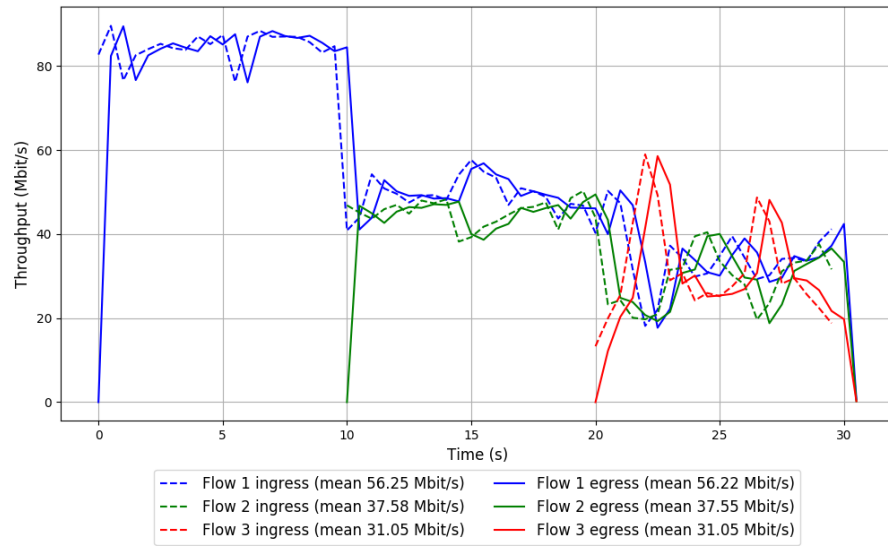


Run 5: Statistics of Copa

Start at: 2018-08-22 03:59:00
End at: 2018-08-22 03:59:30
Local clock offset: -7.216 ms
Remote clock offset: -15.106 ms

Below is generated by plot.py at 2018-08-22 05:44:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.55 Mbit/s
95th percentile per-packet one-way delay: 29.729 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.22 Mbit/s
95th percentile per-packet one-way delay: 29.109 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.55 Mbit/s
95th percentile per-packet one-way delay: 30.038 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 30.340 ms
Loss rate: 0.04%

Run 5: Report of Copa — Data Link

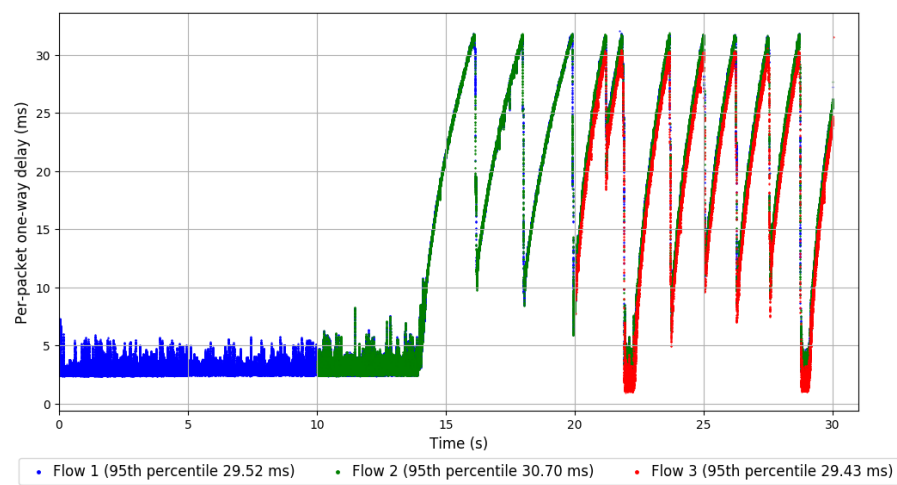
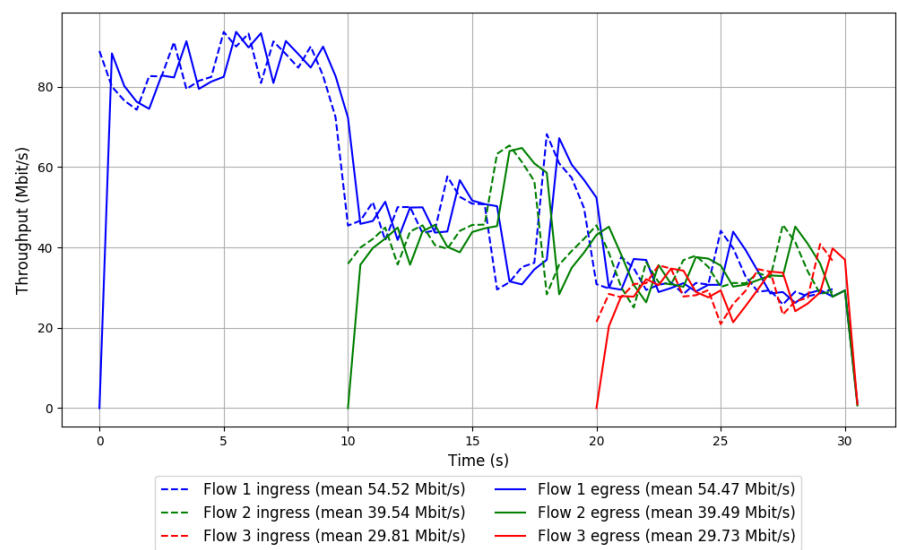


Run 6: Statistics of Copa

Start at: 2018-08-22 04:18:11
End at: 2018-08-22 04:18:41
Local clock offset: -4.003 ms
Remote clock offset: -17.597 ms

Below is generated by plot.py at 2018-08-22 05:44:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.67 Mbit/s
95th percentile per-packet one-way delay: 29.951 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 29.522 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 30.704 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 29.73 Mbit/s
95th percentile per-packet one-way delay: 29.430 ms
Loss rate: 0.04%

Run 6: Report of Copa — Data Link

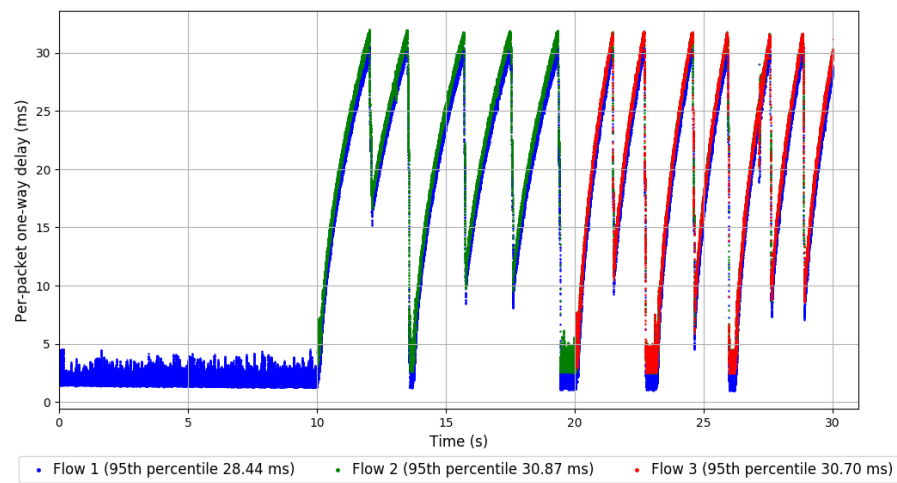
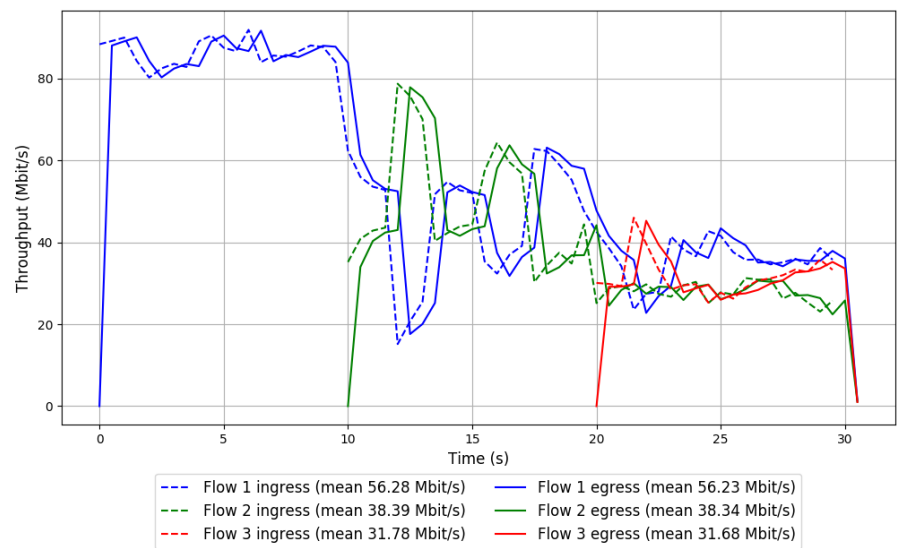


Run 7: Statistics of Copa

Start at: 2018-08-22 04:37:21
End at: 2018-08-22 04:37:51
Local clock offset: -3.44 ms
Remote clock offset: -7.977 ms

Below is generated by plot.py at 2018-08-22 05:45:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.32 Mbit/s
95th percentile per-packet one-way delay: 29.809 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 28.439 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 30.866 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.68 Mbit/s
95th percentile per-packet one-way delay: 30.698 ms
Loss rate: 0.04%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-22 04:56:32

End at: 2018-08-22 04:57:02

Local clock offset: -3.341 ms

Remote clock offset: 1.258 ms

Below is generated by plot.py at 2018-08-22 05:45:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.26 Mbit/s

95th percentile per-packet one-way delay: 29.161 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.80 Mbit/s

95th percentile per-packet one-way delay: 28.032 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 30.345 ms

Loss rate: 0.01%

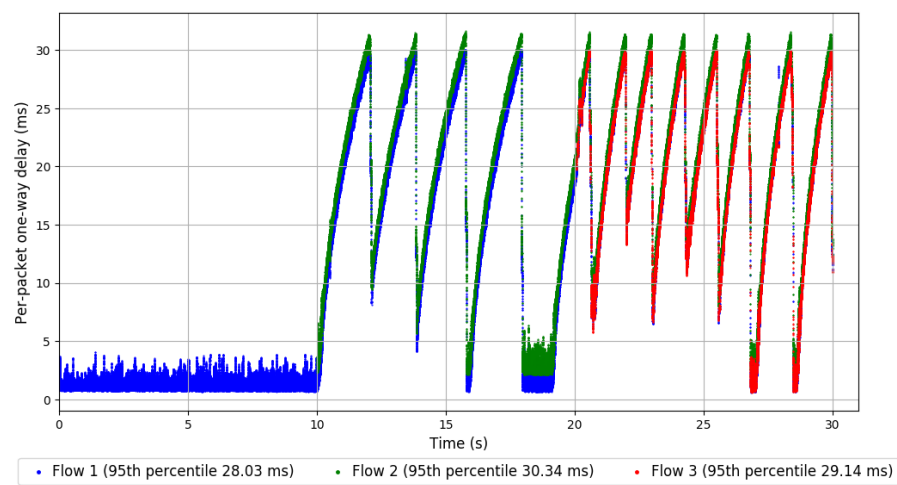
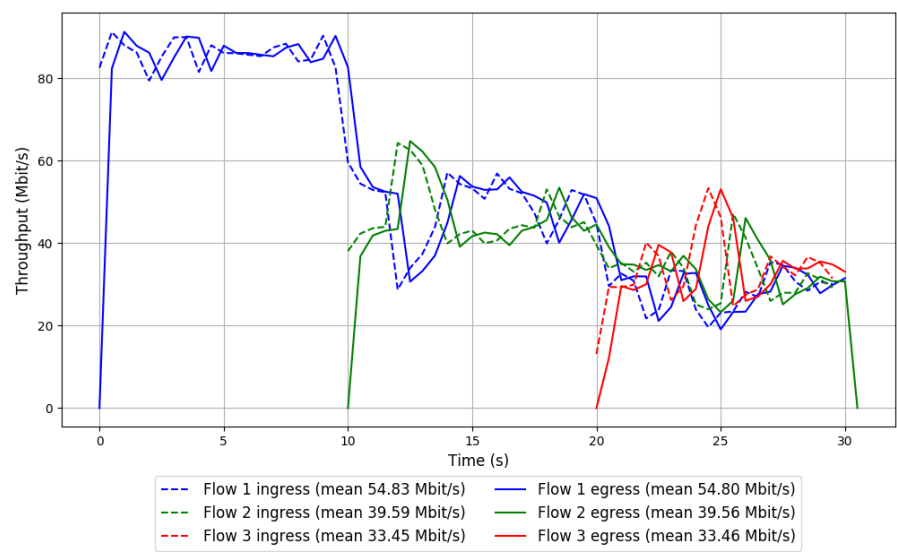
-- Flow 3:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 29.142 ms

Loss rate: 0.05%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-08-22 05:15:42

End at: 2018-08-22 05:16:12

Local clock offset: -3.871 ms

Remote clock offset: 3.593 ms

Below is generated by plot.py at 2018-08-22 05:46:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.61 Mbit/s

95th percentile per-packet one-way delay: 26.344 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.07 Mbit/s

95th percentile per-packet one-way delay: 23.330 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.40 Mbit/s

95th percentile per-packet one-way delay: 27.017 ms

Loss rate: 0.00%

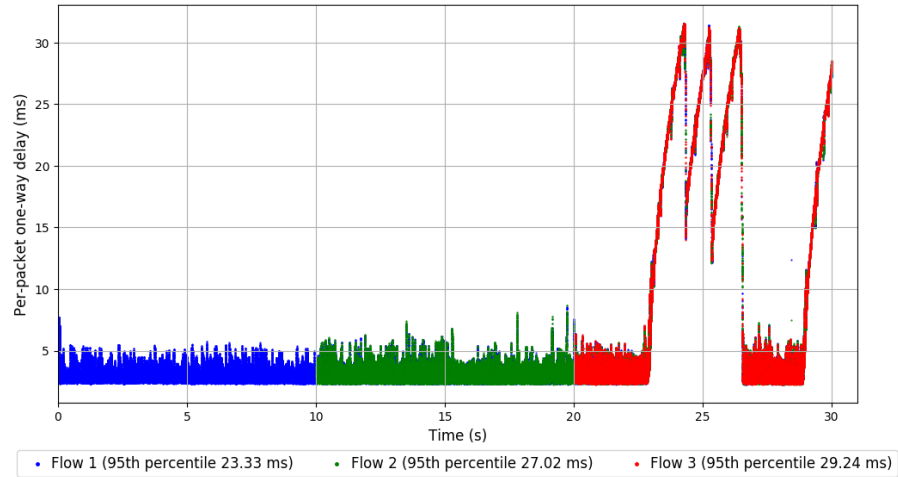
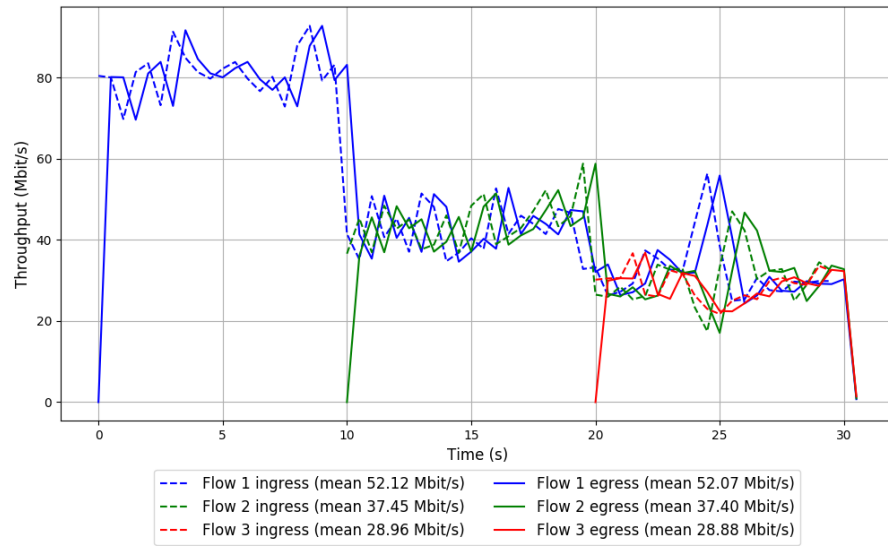
-- Flow 3:

Average throughput: 28.88 Mbit/s

95th percentile per-packet one-way delay: 29.242 ms

Loss rate: 0.01%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-08-22 05:34:52

End at: 2018-08-22 05:35:22

Local clock offset: -3.303 ms

Remote clock offset: 6.015 ms

Below is generated by plot.py at 2018-08-22 05:46:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.93 Mbit/s

95th percentile per-packet one-way delay: 28.544 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 54.30 Mbit/s

95th percentile per-packet one-way delay: 28.549 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 28.156 ms

Loss rate: 0.02%

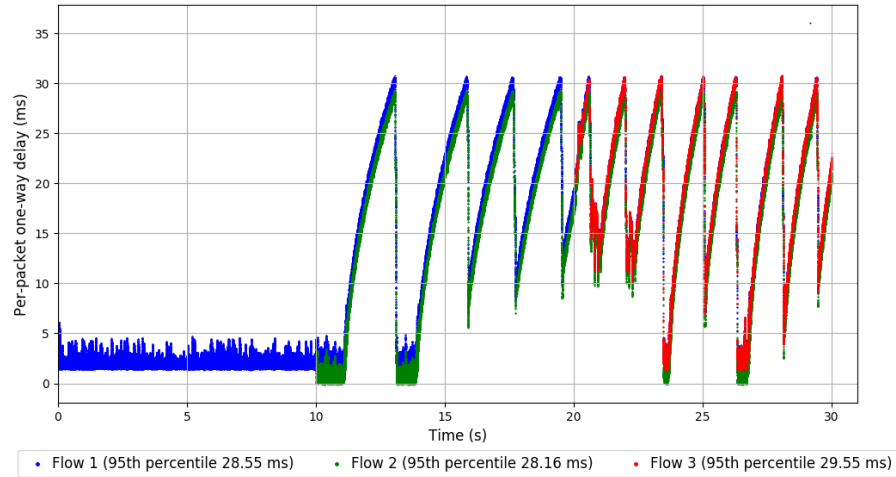
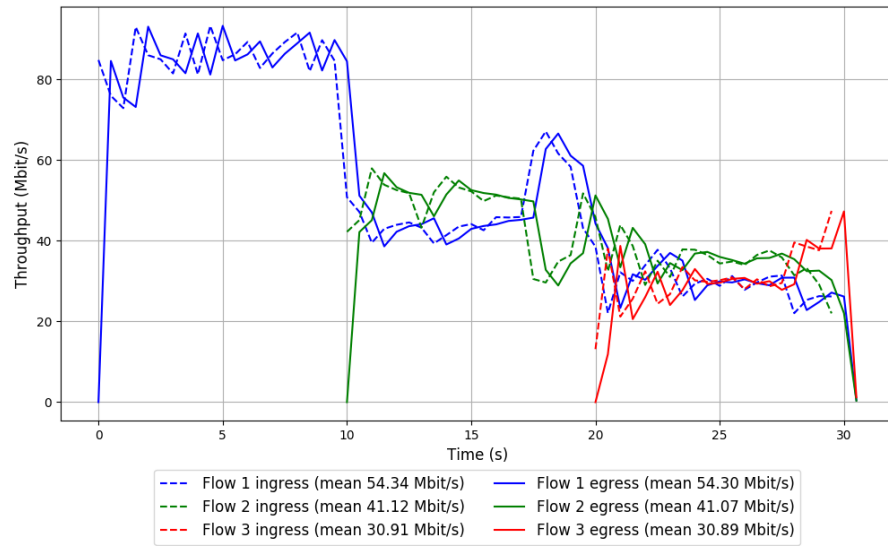
-- Flow 3:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 29.547 ms

Loss rate: 0.05%

Run 10: Report of Copa — Data Link

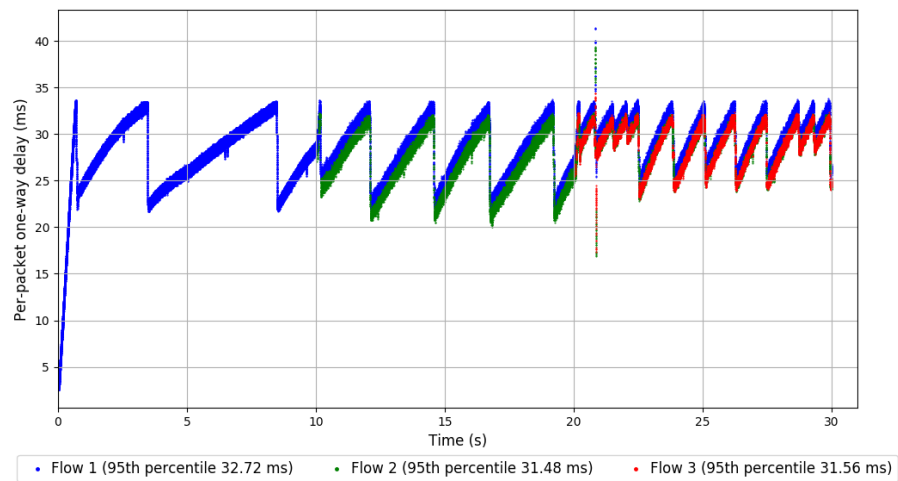
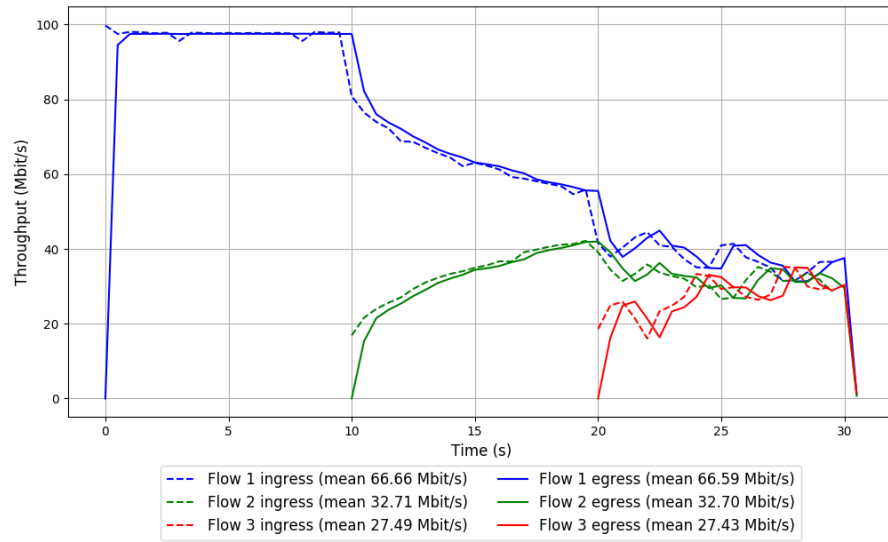


Run 1: Statistics of TCP Cubic

Start at: 2018-08-22 02:37:47
End at: 2018-08-22 02:38:18
Local clock offset: -5.953 ms
Remote clock offset: -2.209 ms

Below is generated by plot.py at 2018-08-22 05:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.508 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 32.718 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 32.70 Mbit/s
95th percentile per-packet one-way delay: 31.477 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 31.561 ms
Loss rate: 0.20%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-08-22 02:56:59

End at: 2018-08-22 02:57:29

Local clock offset: -3.704 ms

Remote clock offset: -1.61 ms

Below is generated by plot.py at 2018-08-22 05:46:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.44 Mbit/s

95th percentile per-packet one-way delay: 33.129 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 69.31 Mbit/s

95th percentile per-packet one-way delay: 33.339 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 32.034 ms

Loss rate: 0.08%

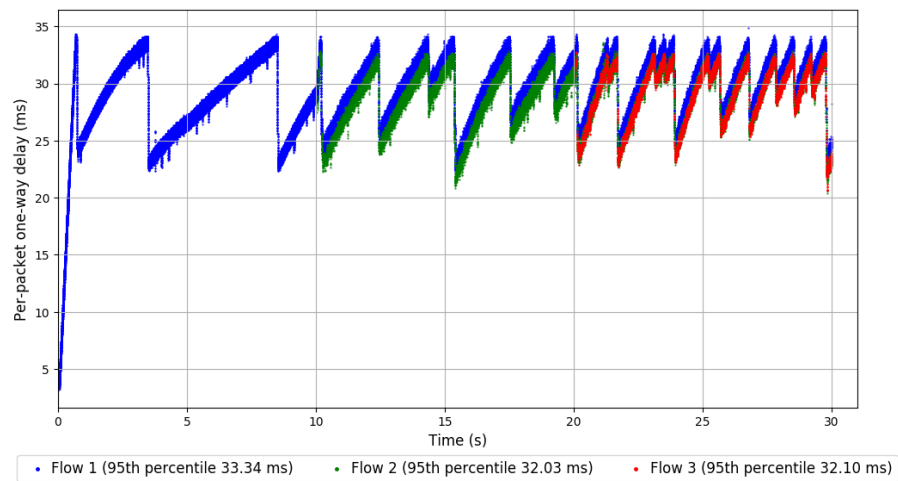
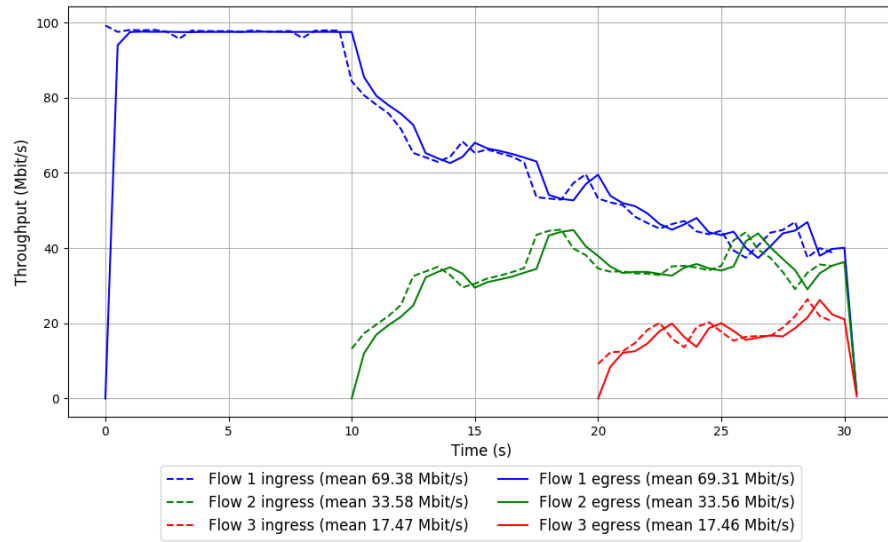
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 32.097 ms

Loss rate: 0.11%

Run 2: Report of TCP Cubic — Data Link

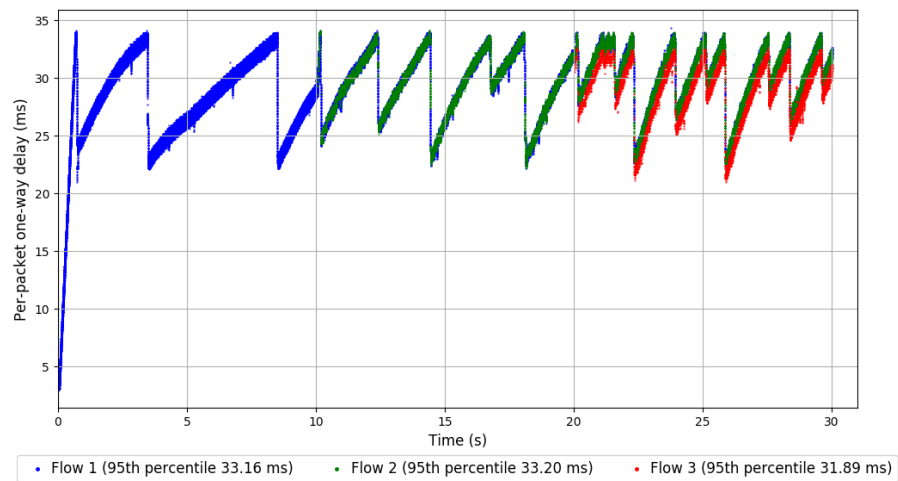
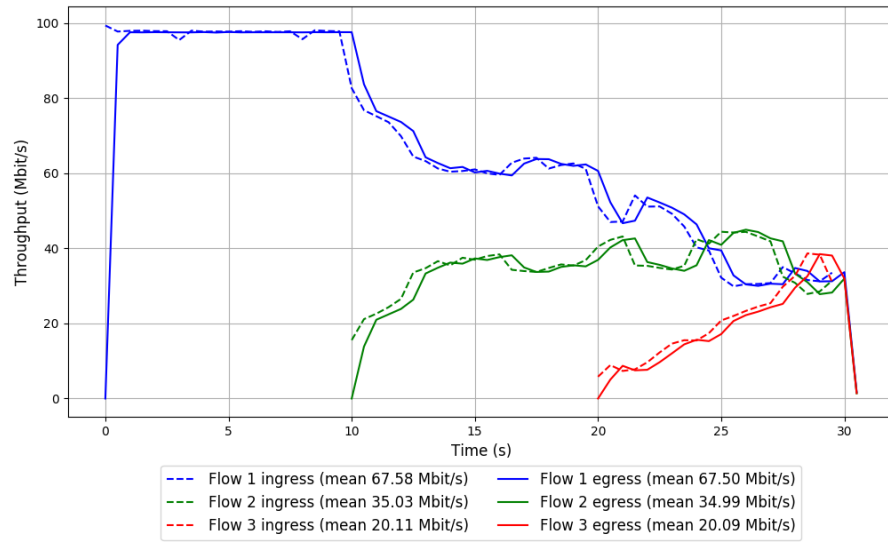


Run 3: Statistics of TCP Cubic

Start at: 2018-08-22 03:16:09
End at: 2018-08-22 03:16:39
Local clock offset: -3.618 ms
Remote clock offset: -1.255 ms

Below is generated by plot.py at 2018-08-22 05:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 33.152 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 33.155 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 33.198 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 20.09 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 0.14%

Run 3: Report of TCP Cubic — Data Link

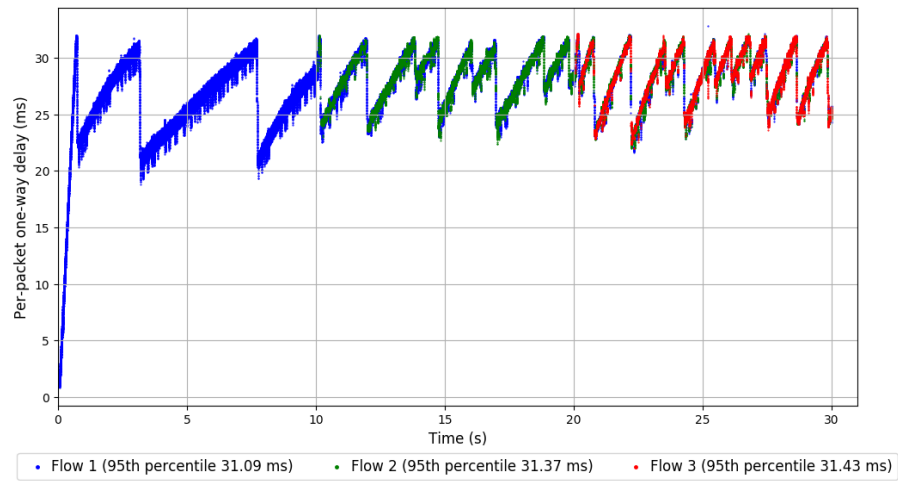
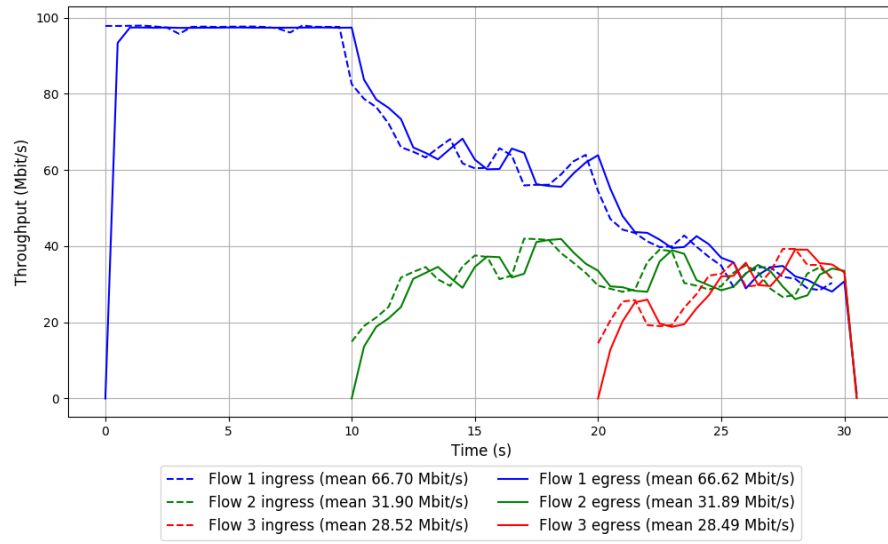


Run 4: Statistics of TCP Cubic

Start at: 2018-08-22 03:35:20
End at: 2018-08-22 03:35:50
Local clock offset: -2.779 ms
Remote clock offset: -10.444 ms

Below is generated by plot.py at 2018-08-22 05:46:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 31.176 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 31.090 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 31.373 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.49 Mbit/s
95th percentile per-packet one-way delay: 31.427 ms
Loss rate: 0.14%

Run 4: Report of TCP Cubic — Data Link

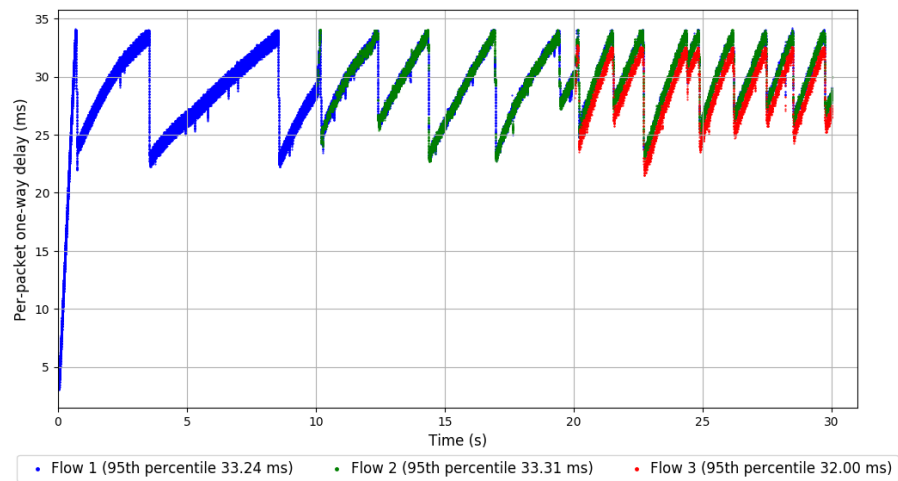
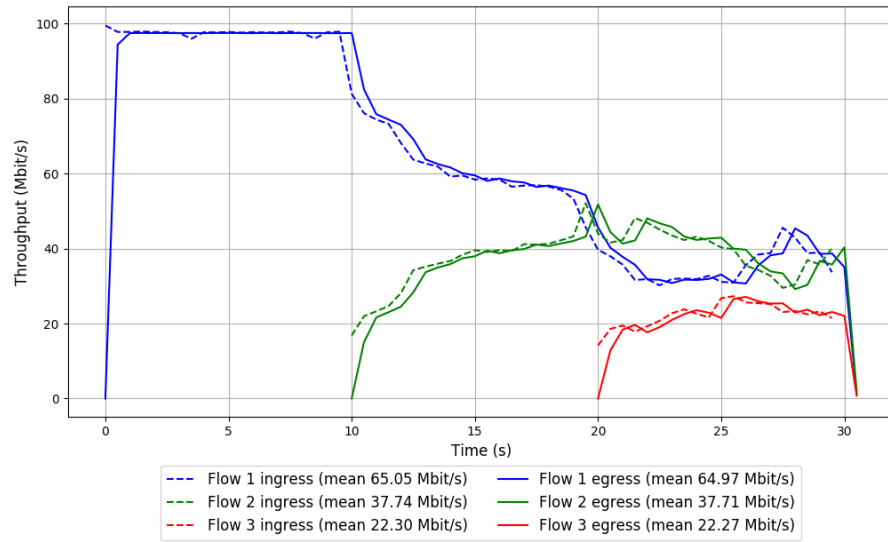


Run 5: Statistics of TCP Cubic

Start at: 2018-08-22 03:54:30
End at: 2018-08-22 03:55:00
Local clock offset: -6.925 ms
Remote clock offset: -14.439 ms

Below is generated by plot.py at 2018-08-22 05:47:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.247 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.97 Mbit/s
95th percentile per-packet one-way delay: 33.245 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.71 Mbit/s
95th percentile per-packet one-way delay: 33.309 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 22.27 Mbit/s
95th percentile per-packet one-way delay: 31.999 ms
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

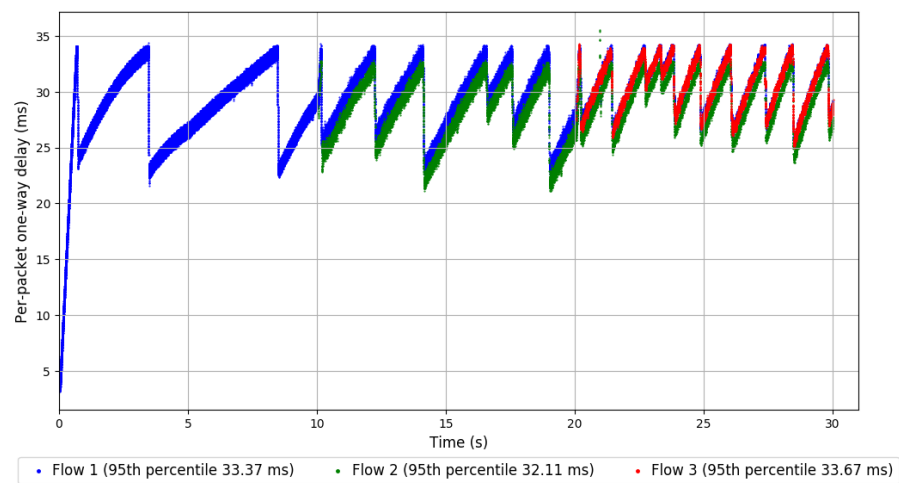
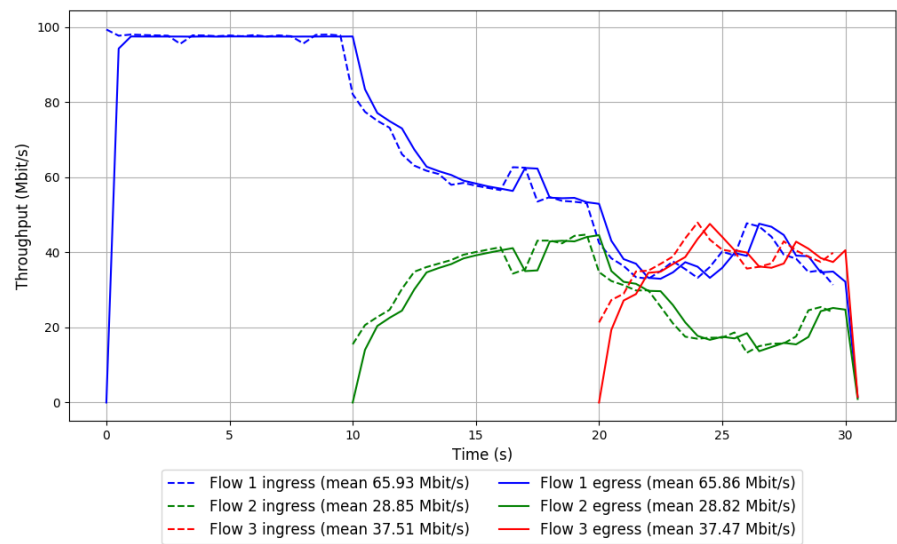


Run 6: Statistics of TCP Cubic

Start at: 2018-08-22 04:13:41
End at: 2018-08-22 04:14:11
Local clock offset: -5.513 ms
Remote clock offset: -17.035 ms

Below is generated by plot.py at 2018-08-22 05:47:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.357 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 33.374 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 32.113 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 33.672 ms
Loss rate: 0.10%

Run 6: Report of TCP Cubic — Data Link

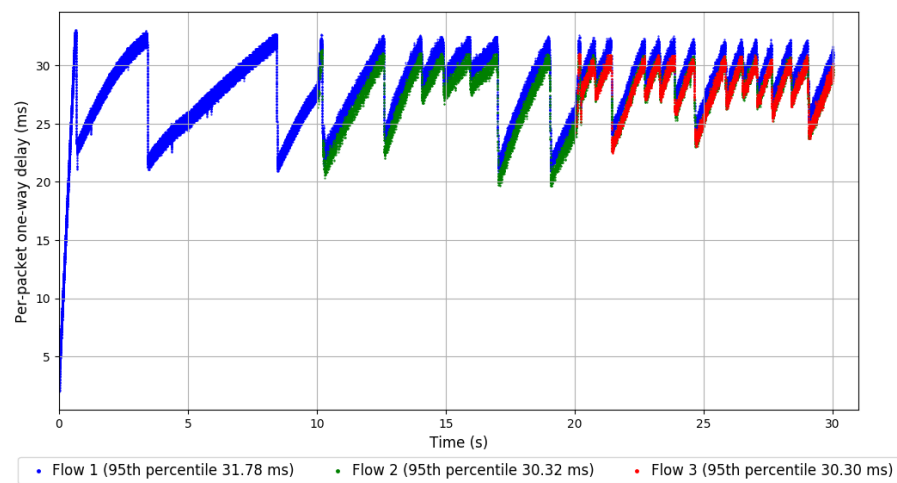
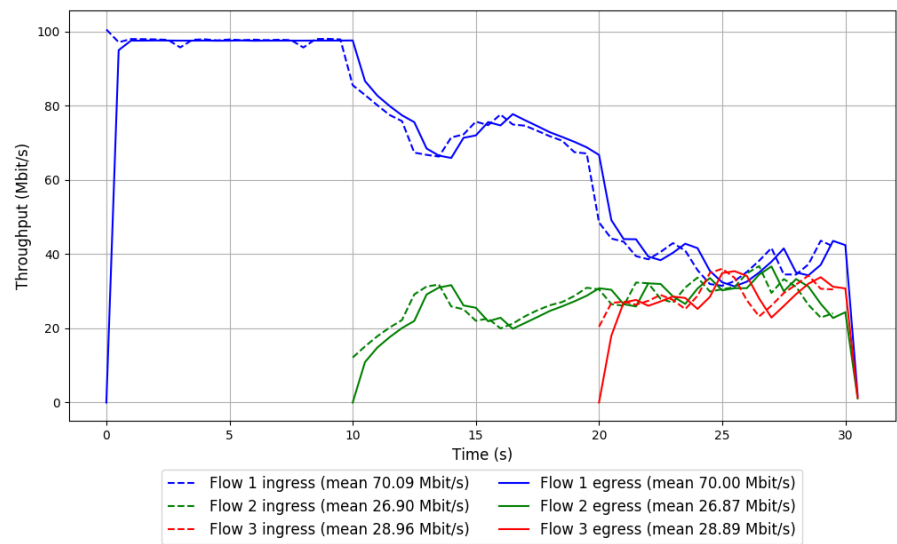


Run 7: Statistics of TCP Cubic

Start at: 2018-08-22 04:32:51
End at: 2018-08-22 04:33:21
Local clock offset: -2.764 ms
Remote clock offset: -13.44 ms

Below is generated by plot.py at 2018-08-22 05:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 31.628 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 70.00 Mbit/s
95th percentile per-packet one-way delay: 31.779 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 30.318 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 28.89 Mbit/s
95th percentile per-packet one-way delay: 30.302 ms
Loss rate: 0.17%

Run 7: Report of TCP Cubic — Data Link

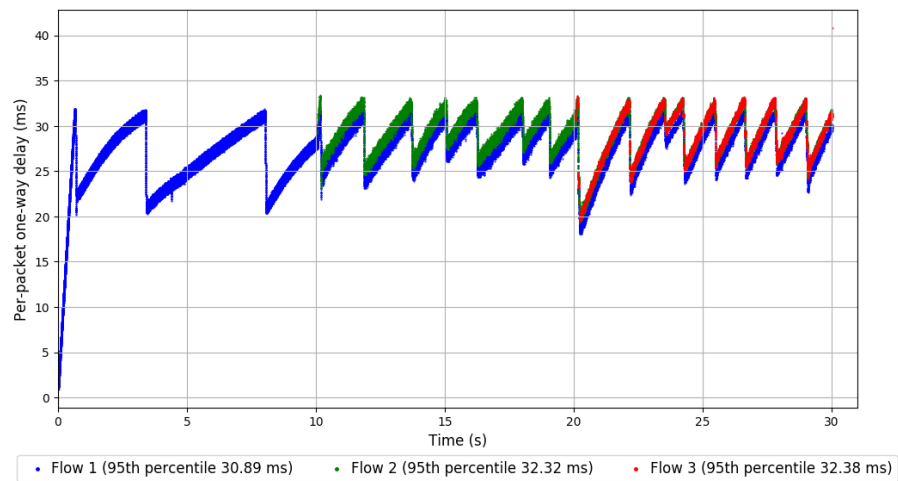
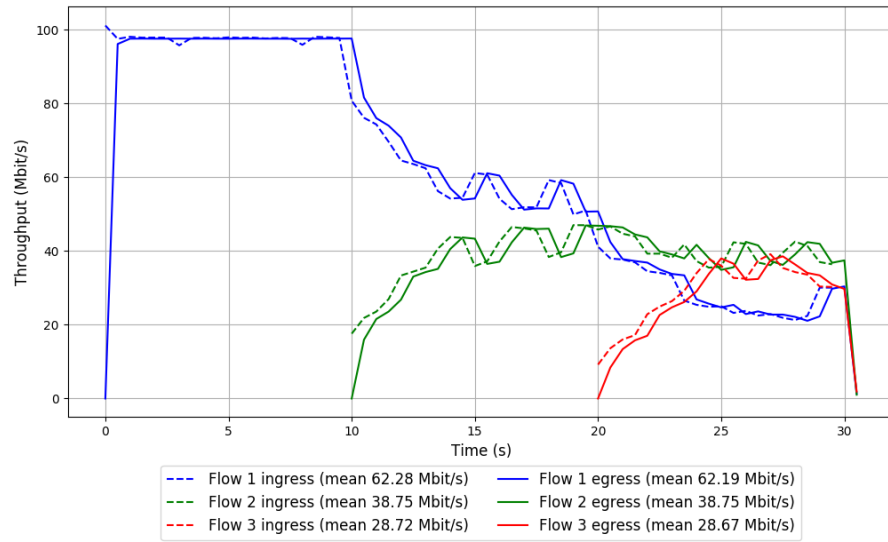


Run 8: Statistics of TCP Cubic

Start at: 2018-08-22 04:52:03
End at: 2018-08-22 04:52:33
Local clock offset: -3.284 ms
Remote clock offset: 0.079 ms

Below is generated by plot.py at 2018-08-22 05:47:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 31.795 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.19 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 32.321 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.67 Mbit/s
95th percentile per-packet one-way delay: 32.379 ms
Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link

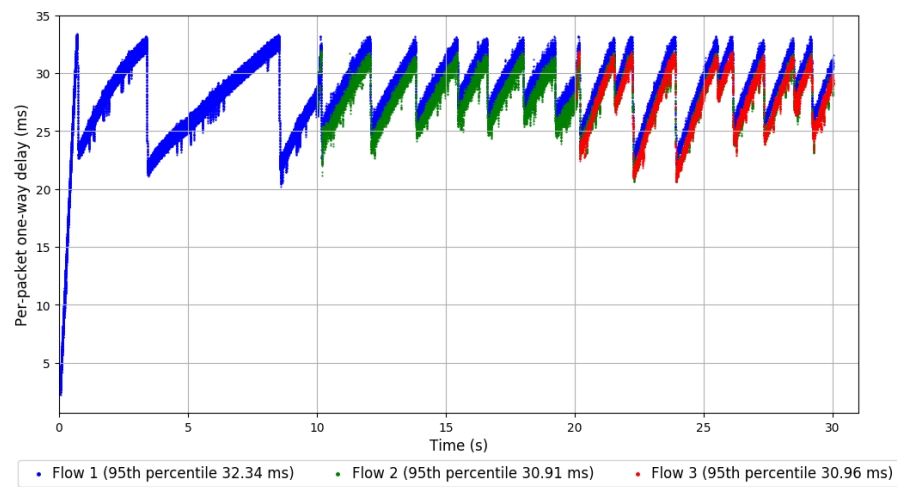
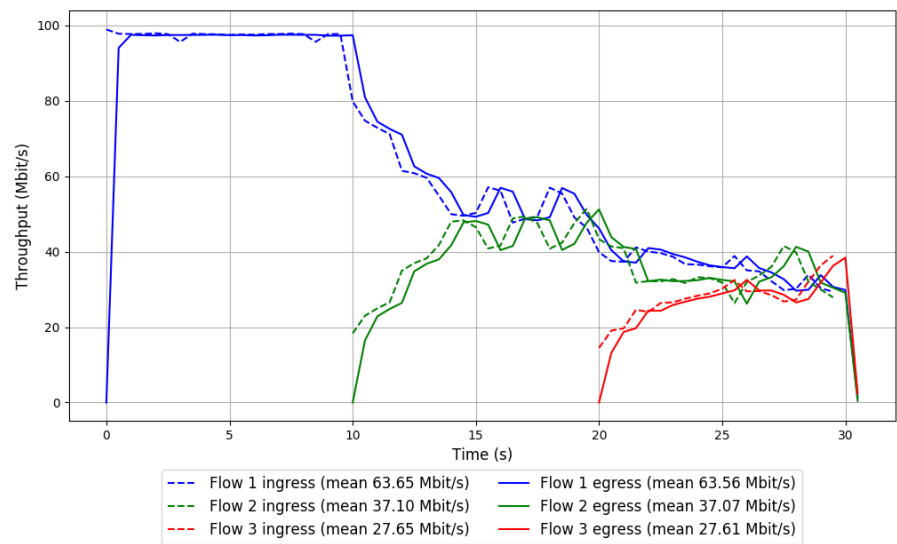


Run 9: Statistics of TCP Cubic

Start at: 2018-08-22 05:11:12
End at: 2018-08-22 05:11:42
Local clock offset: -3.591 ms
Remote clock offset: 3.166 ms

Below is generated by plot.py at 2018-08-22 05:47:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 32.120 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.56 Mbit/s
95th percentile per-packet one-way delay: 32.339 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 37.07 Mbit/s
95th percentile per-packet one-way delay: 30.913 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 30.961 ms
Loss rate: 0.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-08-22 05:30:22

End at: 2018-08-22 05:30:52

Local clock offset: -4.11 ms

Remote clock offset: 5.453 ms

Below is generated by plot.py at 2018-08-22 05:47:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 32.193 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 57.65 Mbit/s

95th percentile per-packet one-way delay: 30.989 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 32.483 ms

Loss rate: 0.05%

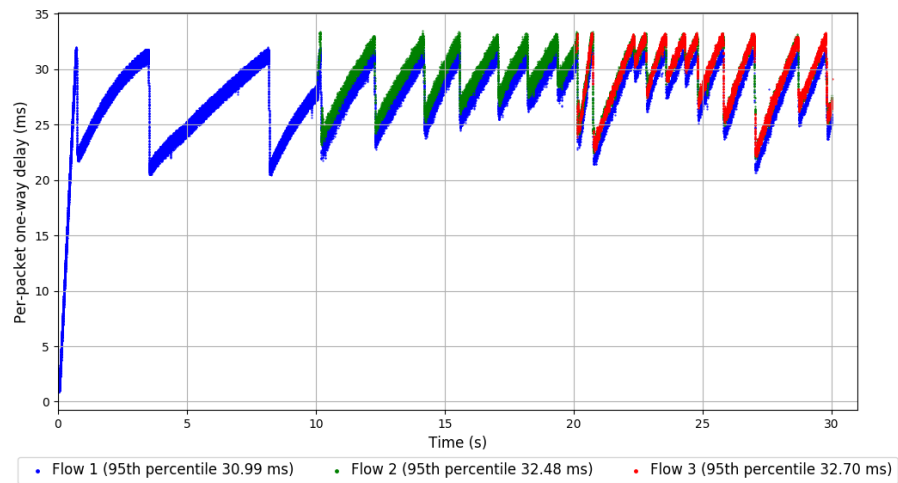
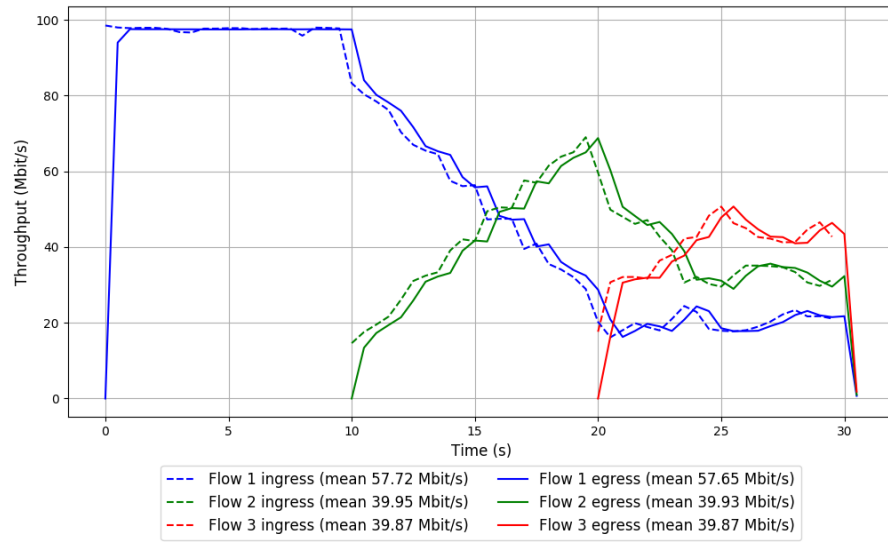
-- Flow 3:

Average throughput: 39.87 Mbit/s

95th percentile per-packet one-way delay: 32.700 ms

Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link

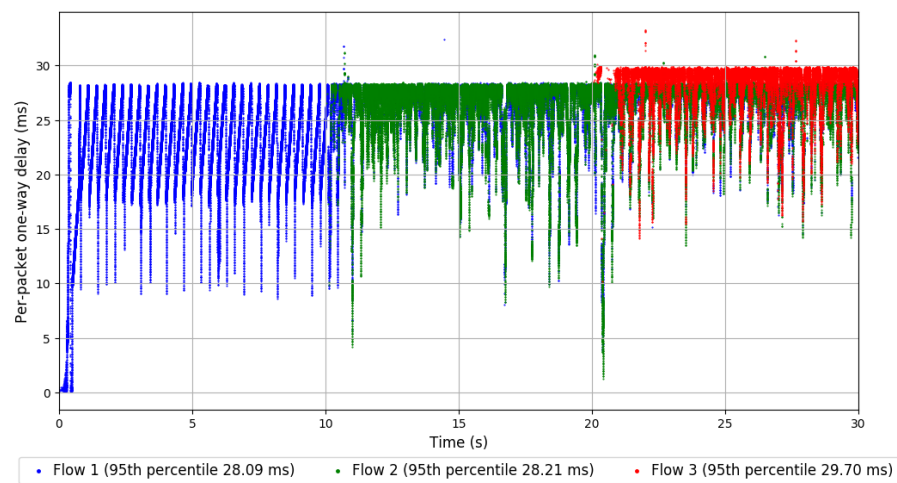
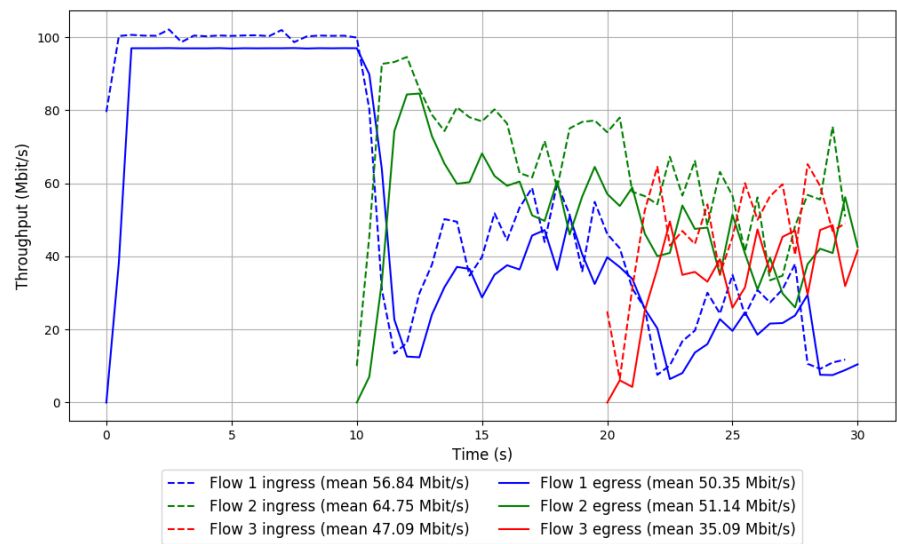


Run 1: Statistics of FillP

Start at: 2018-08-22 02:43:28
End at: 2018-08-22 02:43:58
Local clock offset: -3.715 ms
Remote clock offset: -2.173 ms

Below is generated by plot.py at 2018-08-22 05:48:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 29.241 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 28.091 ms
Loss rate: 11.35%
-- Flow 2:
Average throughput: 51.14 Mbit/s
95th percentile per-packet one-way delay: 28.211 ms
Loss rate: 21.02%
-- Flow 3:
Average throughput: 35.09 Mbit/s
95th percentile per-packet one-way delay: 29.698 ms
Loss rate: 25.50%

Run 1: Report of FillP — Data Link

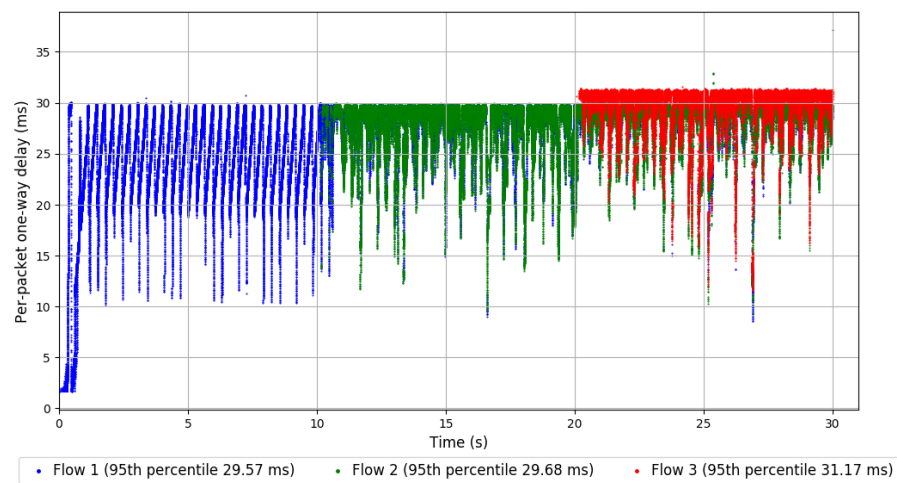
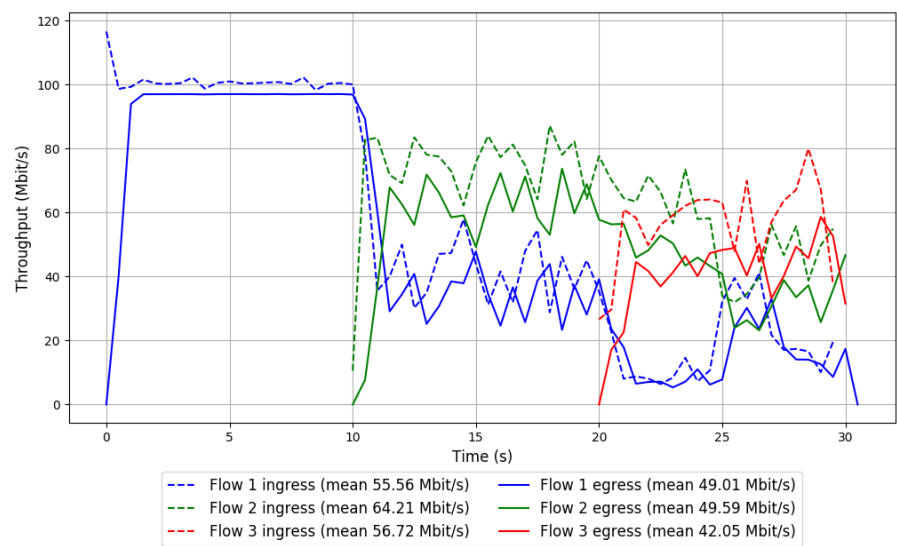


Run 2: Statistics of FillP

Start at: 2018-08-22 03:02:39
End at: 2018-08-22 03:03:09
Local clock offset: -3.26 ms
Remote clock offset: -1.449 ms

Below is generated by plot.py at 2018-08-22 05:48:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 30.796 ms
Loss rate: 18.00%
-- Flow 1:
Average throughput: 49.01 Mbit/s
95th percentile per-packet one-way delay: 29.567 ms
Loss rate: 11.69%
-- Flow 2:
Average throughput: 49.59 Mbit/s
95th percentile per-packet one-way delay: 29.676 ms
Loss rate: 22.76%
-- Flow 3:
Average throughput: 42.05 Mbit/s
95th percentile per-packet one-way delay: 31.166 ms
Loss rate: 25.84%

Run 2: Report of FillP — Data Link

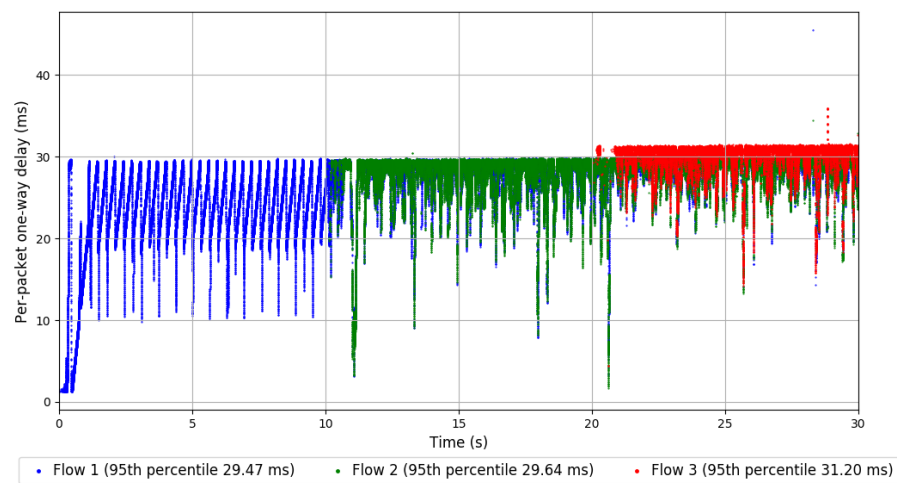
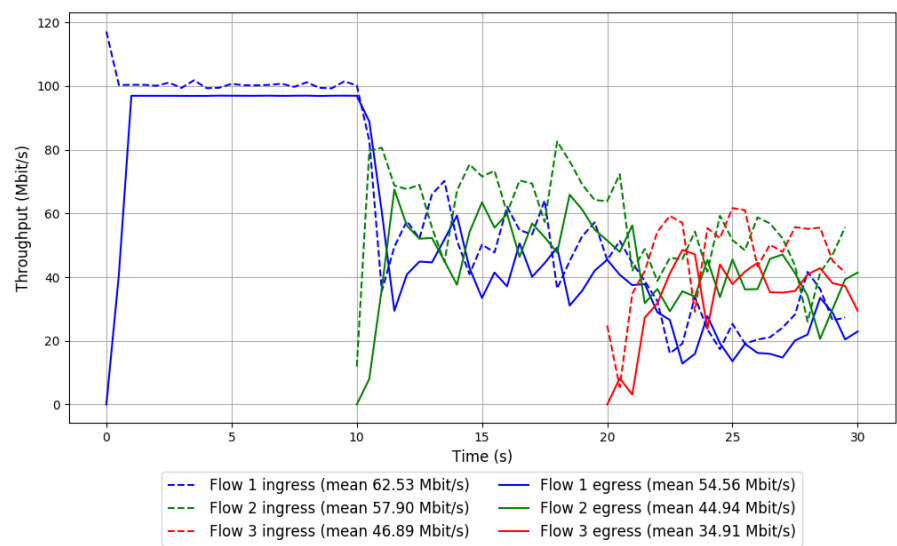


Run 3: Statistics of FillP

Start at: 2018-08-22 03:21:49
End at: 2018-08-22 03:22:19
Local clock offset: -2.921 ms
Remote clock offset: -1.455 ms

Below is generated by plot.py at 2018-08-22 05:48:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.749 ms
Loss rate: 17.59%
-- Flow 1:
Average throughput: 54.56 Mbit/s
95th percentile per-packet one-way delay: 29.473 ms
Loss rate: 12.66%
-- Flow 2:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 29.638 ms
Loss rate: 22.37%
-- Flow 3:
Average throughput: 34.91 Mbit/s
95th percentile per-packet one-way delay: 31.199 ms
Loss rate: 25.54%

Run 3: Report of FillP — Data Link

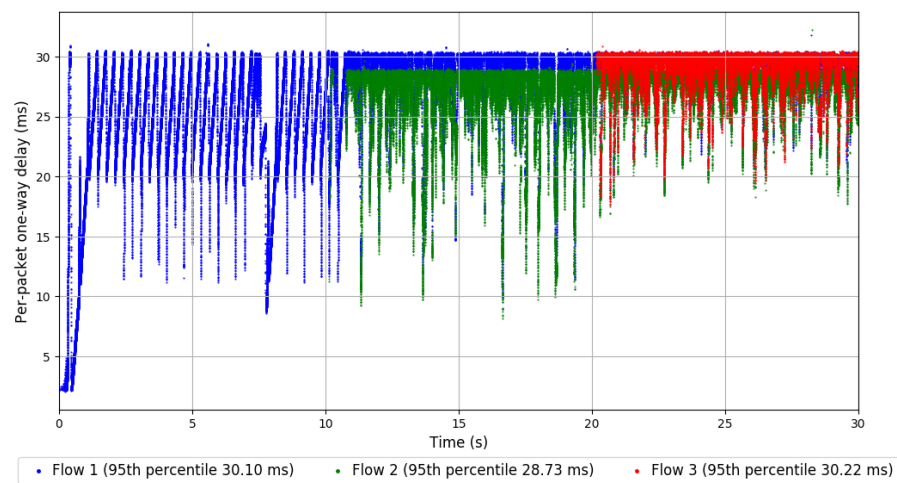
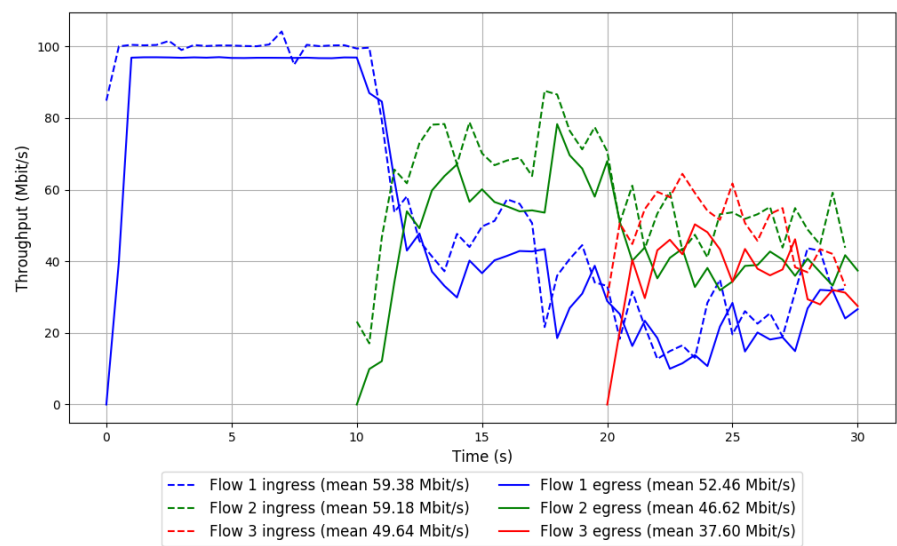


Run 4: Statistics of FillP

Start at: 2018-08-22 03:41:00
End at: 2018-08-22 03:41:30
Local clock offset: -4.107 ms
Remote clock offset: -12.038 ms

Below is generated by plot.py at 2018-08-22 05:48:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 30.077 ms
Loss rate: 16.68%
-- Flow 1:
Average throughput: 52.46 Mbit/s
95th percentile per-packet one-way delay: 30.097 ms
Loss rate: 11.56%
-- Flow 2:
Average throughput: 46.62 Mbit/s
95th percentile per-packet one-way delay: 28.735 ms
Loss rate: 21.21%
-- Flow 3:
Average throughput: 37.60 Mbit/s
95th percentile per-packet one-way delay: 30.222 ms
Loss rate: 24.26%

Run 4: Report of FillP — Data Link

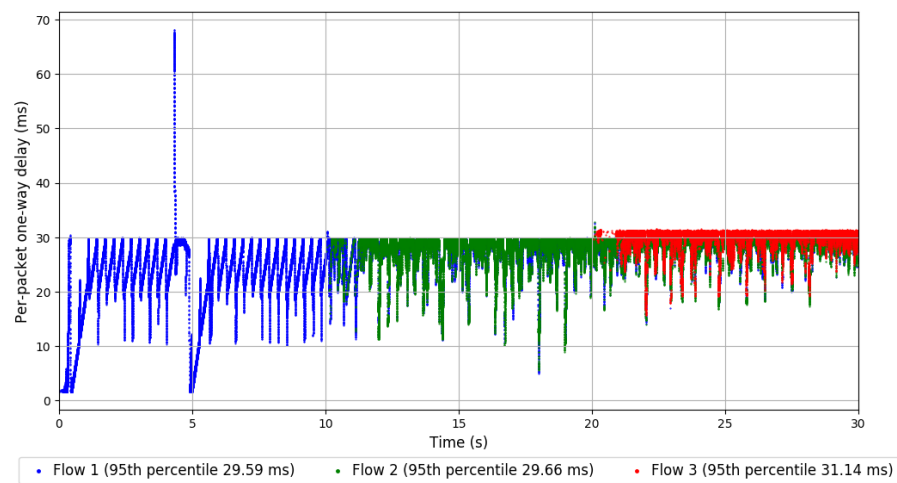
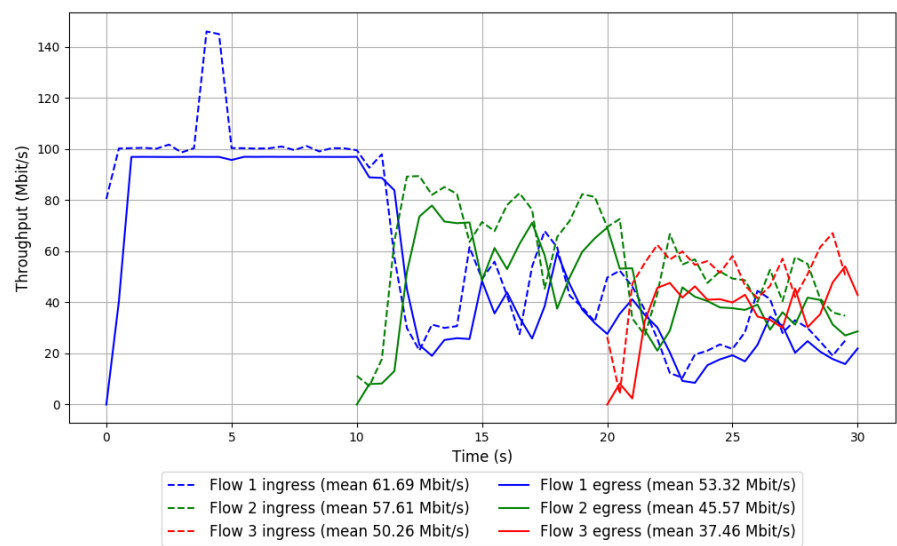


Run 5: Statistics of FillP

Start at: 2018-08-22 04:00:10
End at: 2018-08-22 04:00:40
Local clock offset: -7.273 ms
Remote clock offset: -15.201 ms

Below is generated by plot.py at 2018-08-22 05:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 30.756 ms
Loss rate: 17.63%
-- Flow 1:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 29.590 ms
Loss rate: 13.49%
-- Flow 2:
Average throughput: 45.57 Mbit/s
95th percentile per-packet one-way delay: 29.661 ms
Loss rate: 20.89%
-- Flow 3:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 31.144 ms
Loss rate: 25.46%

Run 5: Report of FillP — Data Link

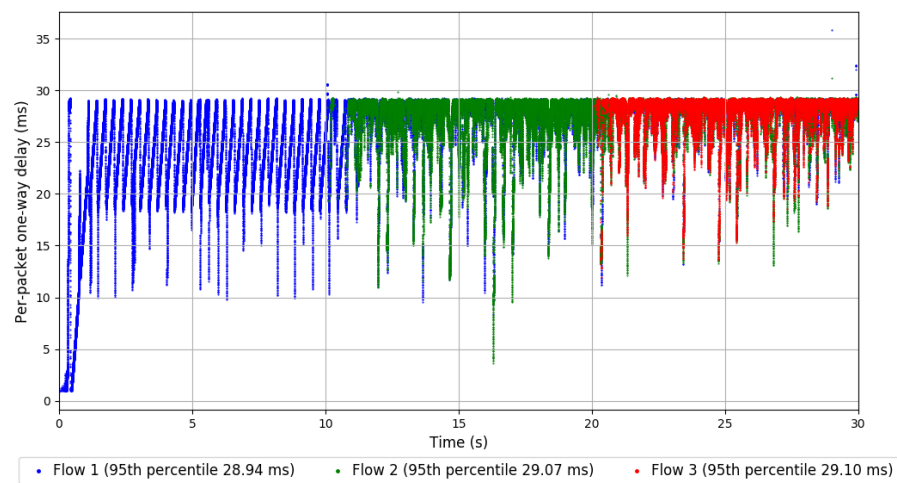
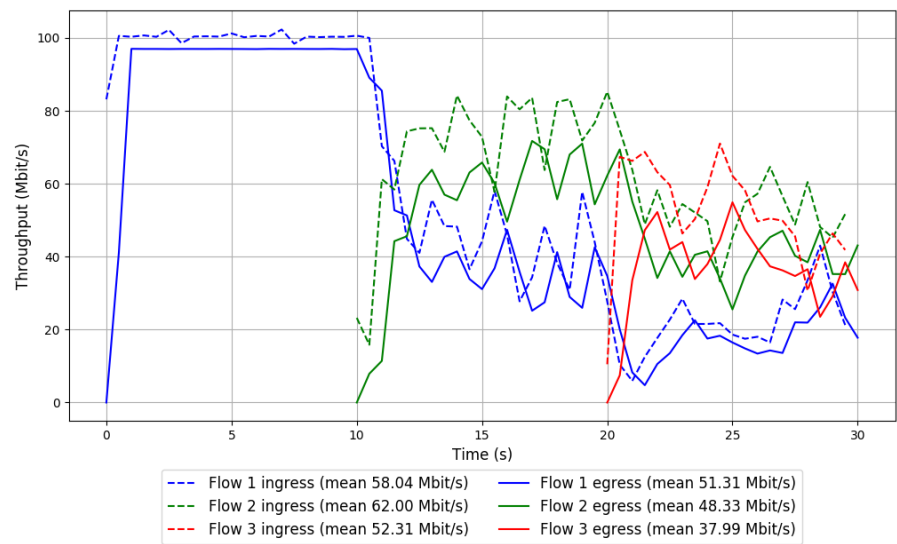


Run 6: Statistics of FillP

Start at: 2018-08-22 04:19:21
End at: 2018-08-22 04:19:51
Local clock offset: -3.847 ms
Remote clock offset: -17.691 ms

Below is generated by plot.py at 2018-08-22 05:48:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 29.037 ms
Loss rate: 17.60%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 28.938 ms
Loss rate: 11.52%
-- Flow 2:
Average throughput: 48.33 Mbit/s
95th percentile per-packet one-way delay: 29.069 ms
Loss rate: 22.05%
-- Flow 3:
Average throughput: 37.99 Mbit/s
95th percentile per-packet one-way delay: 29.100 ms
Loss rate: 27.36%

Run 6: Report of FillP — Data Link

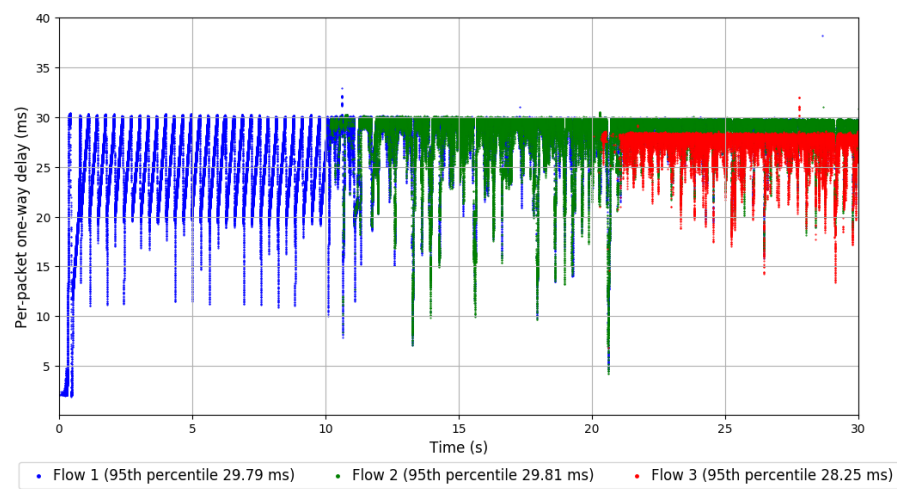
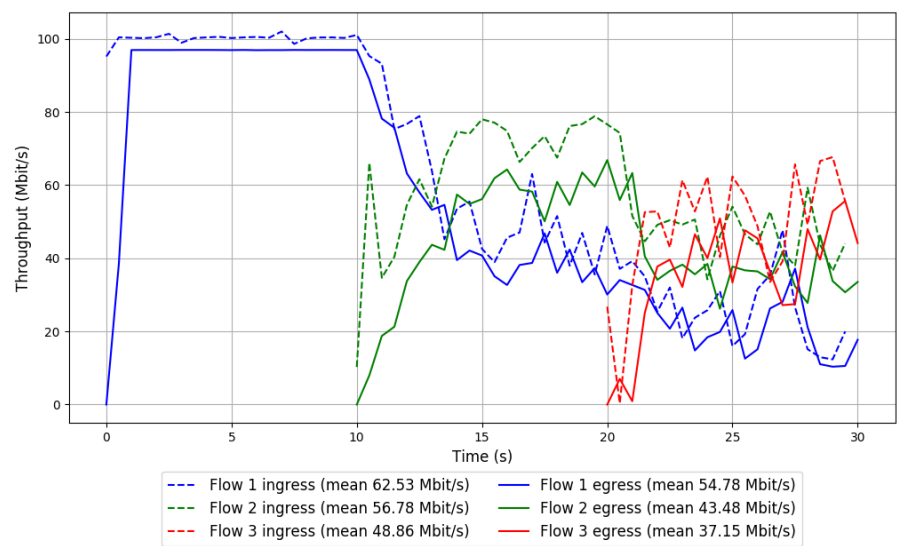


Run 7: Statistics of FillP

Start at: 2018-08-22 04:38:32
End at: 2018-08-22 04:39:02
Local clock offset: -2.716 ms
Remote clock offset: -6.923 ms

Below is generated by plot.py at 2018-08-22 05:48:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 29.777 ms
Loss rate: 17.54%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 29.785 ms
Loss rate: 12.33%
-- Flow 2:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 29.813 ms
Loss rate: 23.42%
-- Flow 3:
Average throughput: 37.15 Mbit/s
95th percentile per-packet one-way delay: 28.247 ms
Loss rate: 23.97%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-08-22 04:57:42

End at: 2018-08-22 04:58:12

Local clock offset: -3.385 ms

Remote clock offset: 1.571 ms

Below is generated by plot.py at 2018-08-22 05:48:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 30.067 ms

Loss rate: 17.48%

-- Flow 1:

Average throughput: 54.37 Mbit/s

95th percentile per-packet one-way delay: 28.693 ms

Loss rate: 12.57%

-- Flow 2:

Average throughput: 44.62 Mbit/s

95th percentile per-packet one-way delay: 30.237 ms

Loss rate: 21.56%

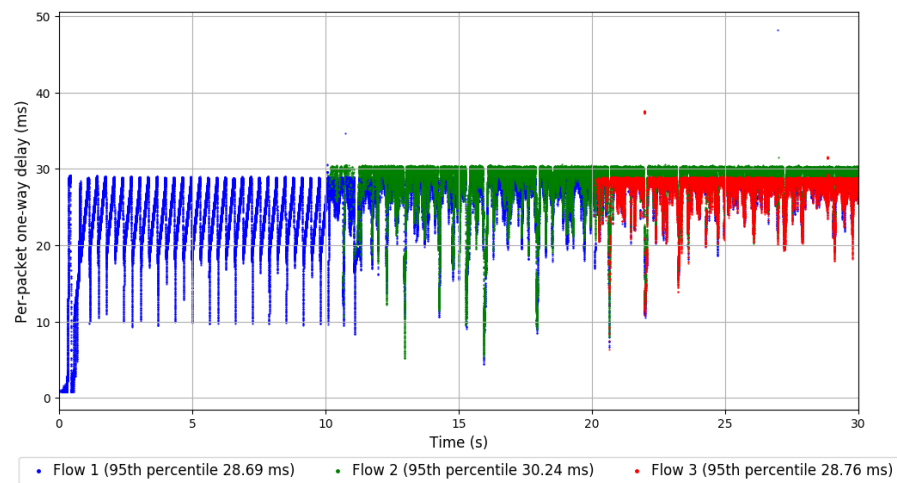
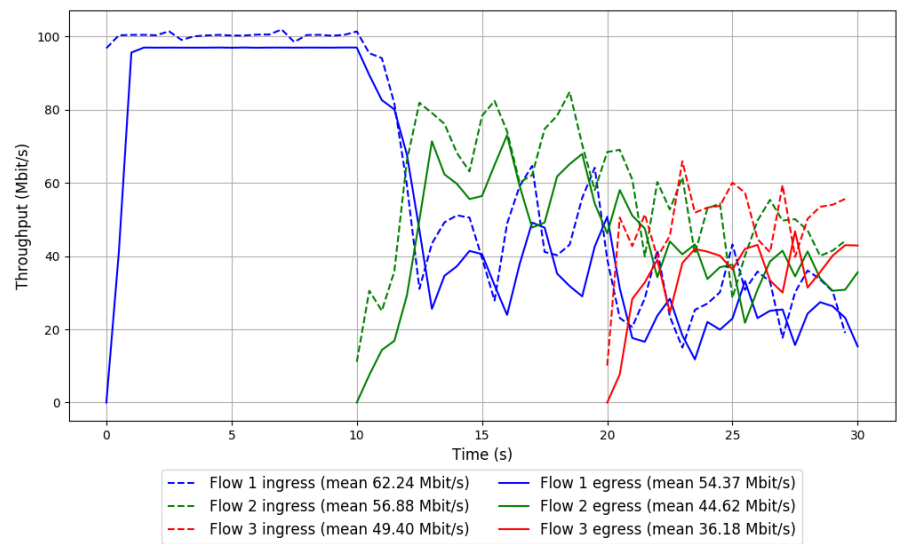
-- Flow 3:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 28.762 ms

Loss rate: 26.73%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-08-22 05:16:52

End at: 2018-08-22 05:17:22

Local clock offset: -3.078 ms

Remote clock offset: 3.706 ms

Below is generated by plot.py at 2018-08-22 05:49:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 29.460 ms

Loss rate: 17.20%

-- Flow 1:

Average throughput: 54.55 Mbit/s

95th percentile per-packet one-way delay: 29.402 ms

Loss rate: 11.87%

-- Flow 2:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 29.500 ms

Loss rate: 22.25%

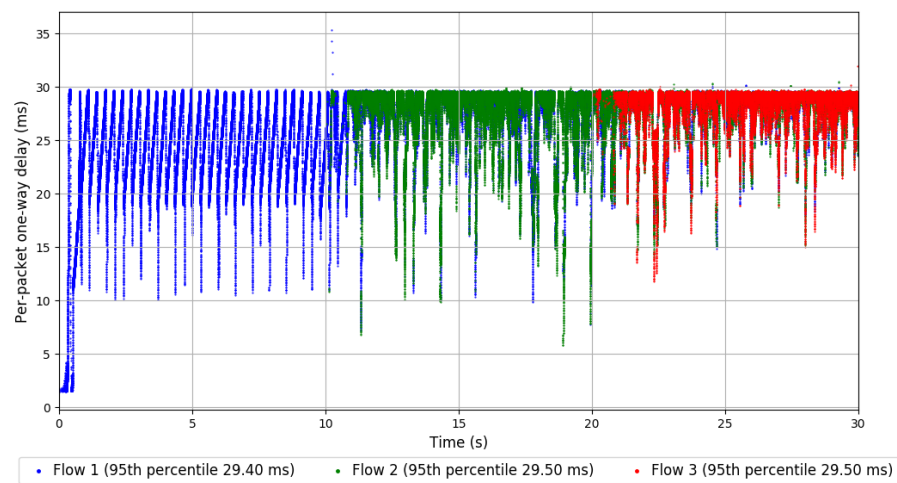
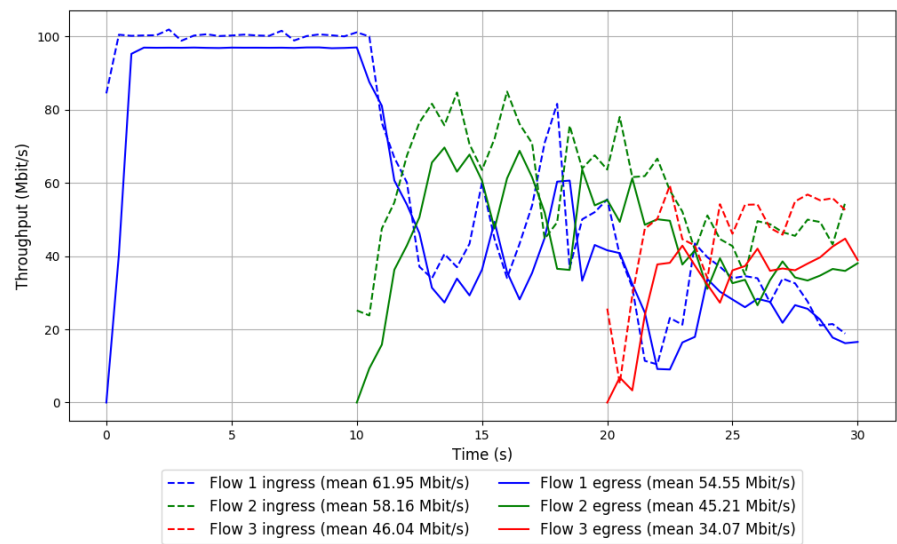
-- Flow 3:

Average throughput: 34.07 Mbit/s

95th percentile per-packet one-way delay: 29.497 ms

Loss rate: 26.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-22 05:36:02

End at: 2018-08-22 05:36:32

Local clock offset: -4.064 ms

Remote clock offset: 6.269 ms

Below is generated by plot.py at 2018-08-22 05:49:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.04 Mbit/s

95th percentile per-packet one-way delay: 28.757 ms

Loss rate: 16.76%

-- Flow 1:

Average throughput: 53.24 Mbit/s

95th percentile per-packet one-way delay: 28.706 ms

Loss rate: 11.85%

-- Flow 2:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 28.787 ms

Loss rate: 21.41%

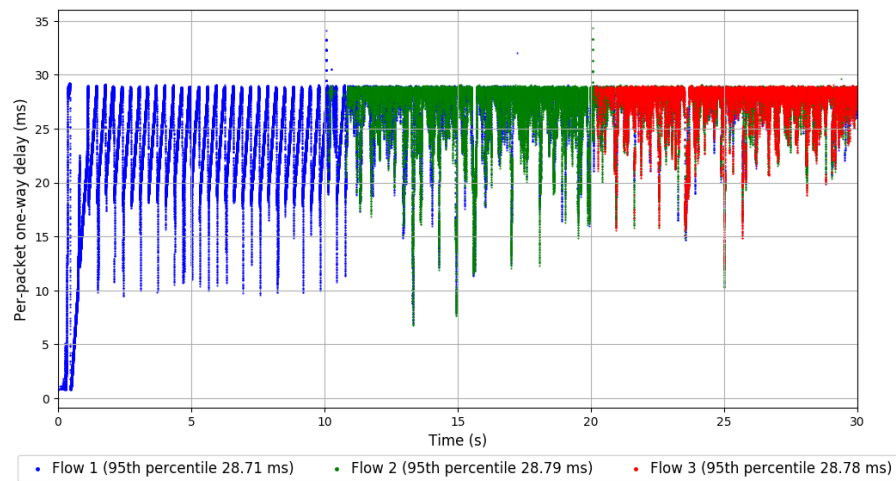
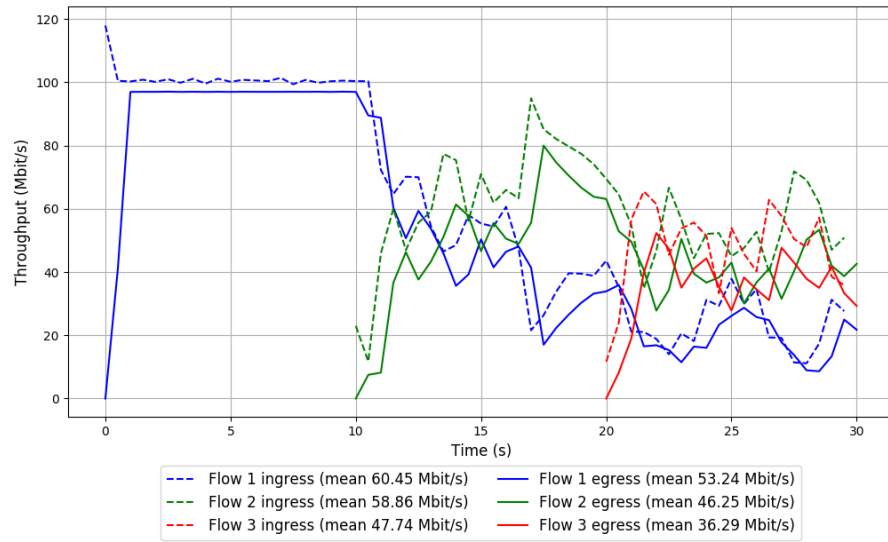
-- Flow 3:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 28.777 ms

Loss rate: 23.94%

Run 10: Report of FillP — Data Link

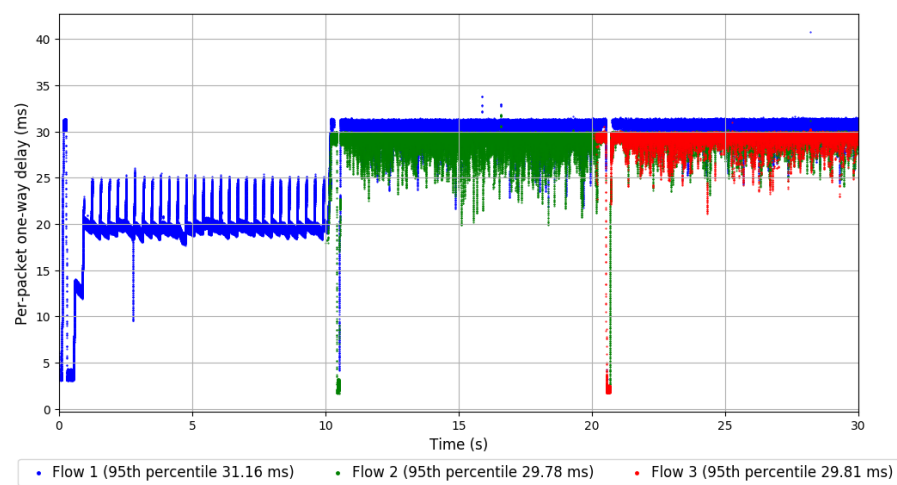
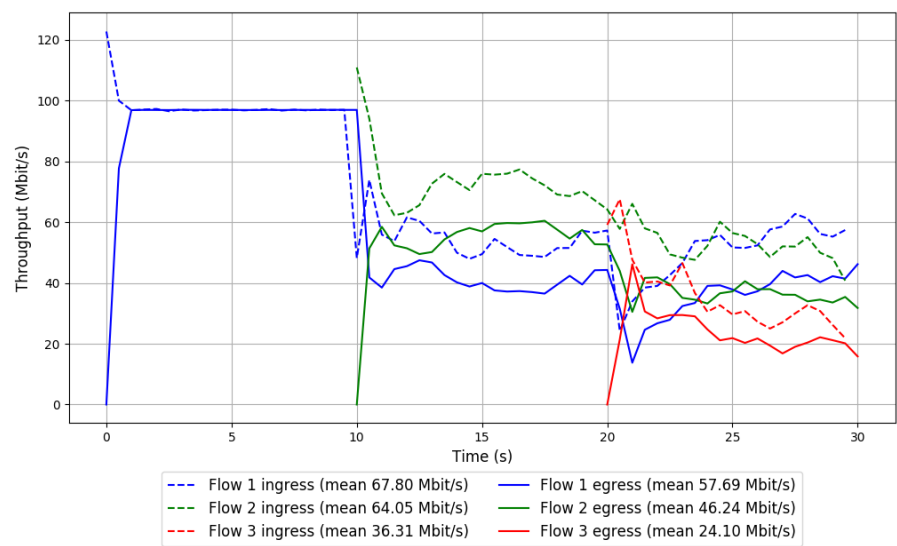


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-22 02:36:40
End at: 2018-08-22 02:37:10
Local clock offset: -6.909 ms
Remote clock offset: -2.238 ms

Below is generated by plot.py at 2018-08-22 05:49:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.46 Mbit/s
95th percentile per-packet one-way delay: 31.065 ms
Loss rate: 21.19%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 31.156 ms
Loss rate: 14.84%
-- Flow 2:
Average throughput: 46.24 Mbit/s
95th percentile per-packet one-way delay: 29.776 ms
Loss rate: 27.77%
-- Flow 3:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 29.812 ms
Loss rate: 33.63%

Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-08-22 02:55:51

End at: 2018-08-22 02:56:21

Local clock offset: -3.046 ms

Remote clock offset: -1.67 ms

Below is generated by plot.py at 2018-08-22 05:50:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 30.202 ms

Loss rate: 22.04%

-- Flow 1:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 28.917 ms

Loss rate: 15.61%

-- Flow 2:

Average throughput: 37.61 Mbit/s

95th percentile per-packet one-way delay: 29.003 ms

Loss rate: 28.29%

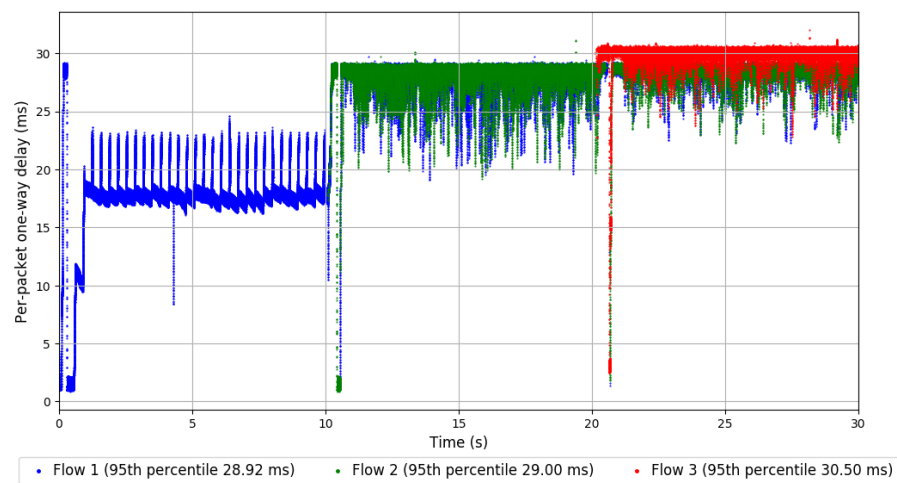
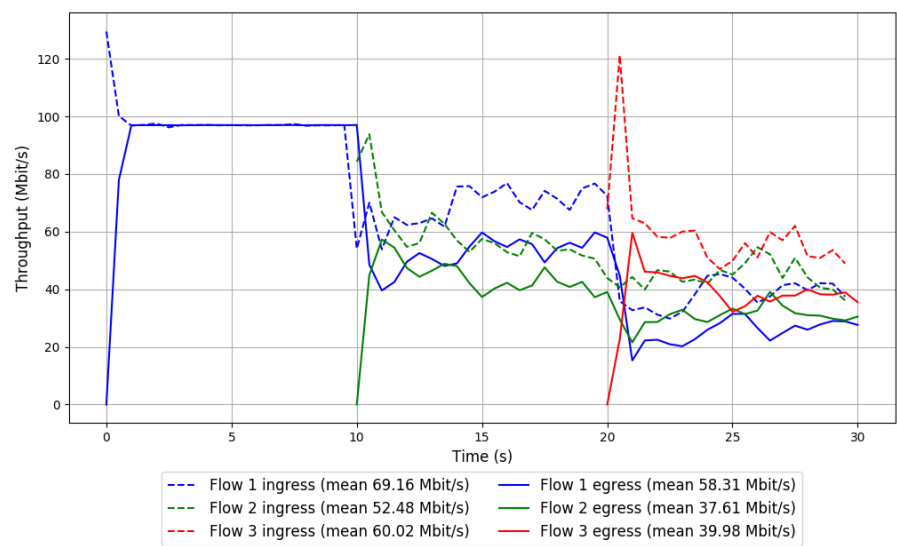
-- Flow 3:

Average throughput: 39.98 Mbit/s

95th percentile per-packet one-way delay: 30.497 ms

Loss rate: 33.39%

Run 2: Report of FillP-Sheep — Data Link

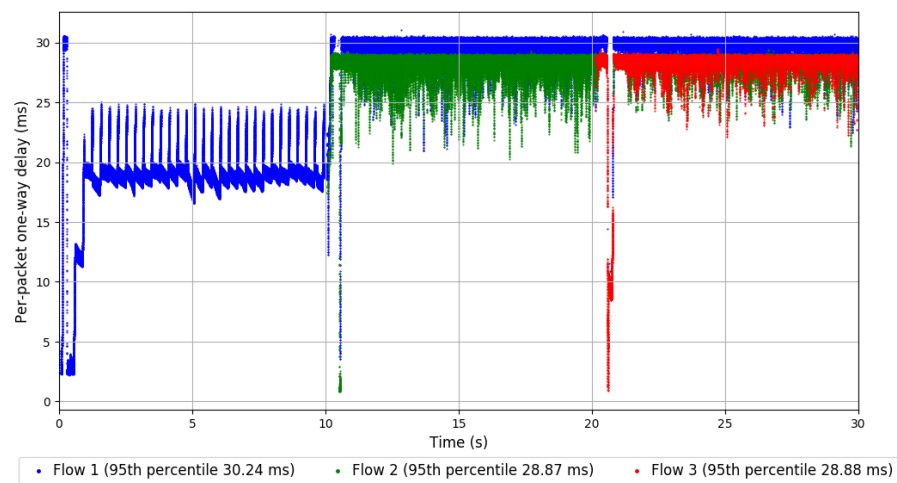
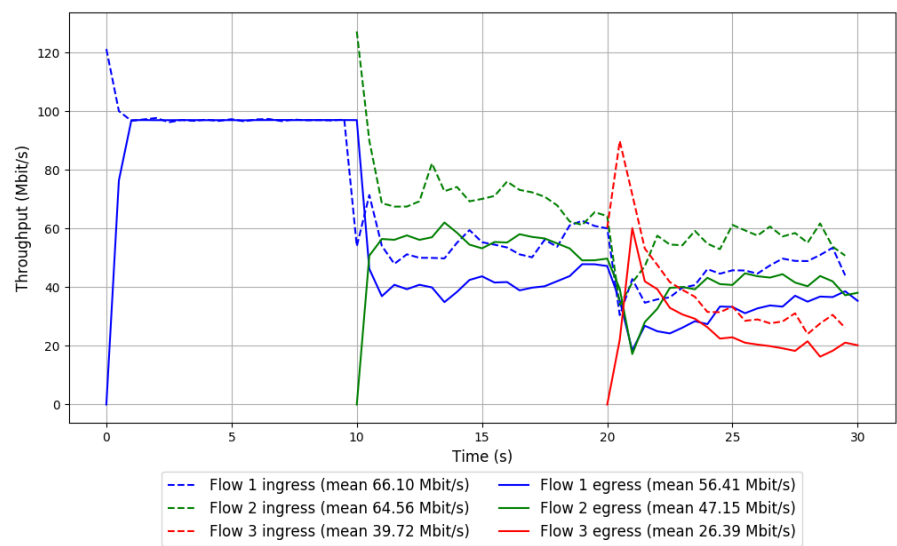


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-22 03:15:02
End at: 2018-08-22 03:15:32
Local clock offset: -2.82 ms
Remote clock offset: -1.188 ms

```
# Below is generated by plot.py at 2018-08-22 05:50:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 30.151 ms
Loss rate: 20.97%
-- Flow 1:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 30.238 ms
Loss rate: 14.59%
-- Flow 2:
Average throughput: 47.15 Mbit/s
95th percentile per-packet one-way delay: 28.866 ms
Loss rate: 26.92%
-- Flow 3:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 28.879 ms
Loss rate: 33.54%
```

Run 3: Report of FillP-Sheep — Data Link

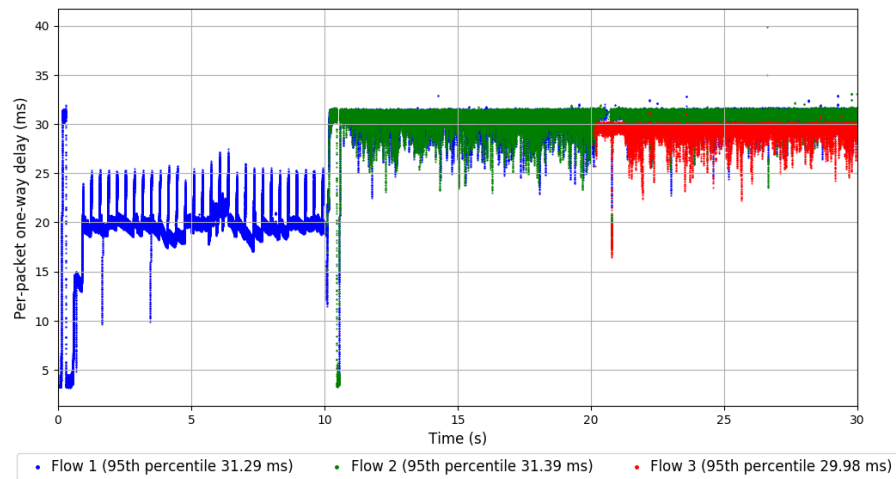
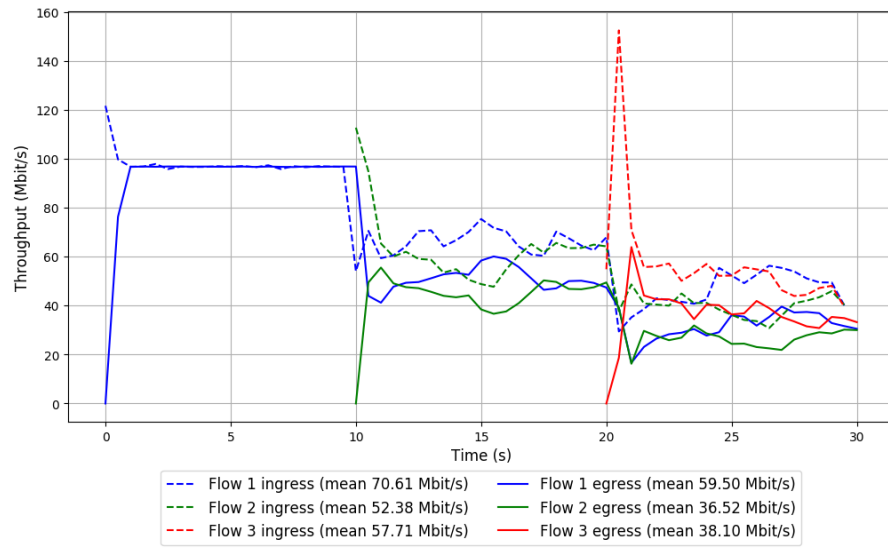


Run 4: Statistics of FillP-Sheep

Start at: 2018-08-22 03:34:12
End at: 2018-08-22 03:34:42
Local clock offset: -3.646 ms
Remote clock offset: -9.995 ms

Below is generated by plot.py at 2018-08-22 05:50:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 31.318 ms
Loss rate: 22.55%
-- Flow 1:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 31.290 ms
Loss rate: 15.66%
-- Flow 2:
Average throughput: 36.52 Mbit/s
95th percentile per-packet one-way delay: 31.394 ms
Loss rate: 30.23%
-- Flow 3:
Average throughput: 38.10 Mbit/s
95th percentile per-packet one-way delay: 29.976 ms
Loss rate: 33.97%

Run 4: Report of FillP-Sheep — Data Link

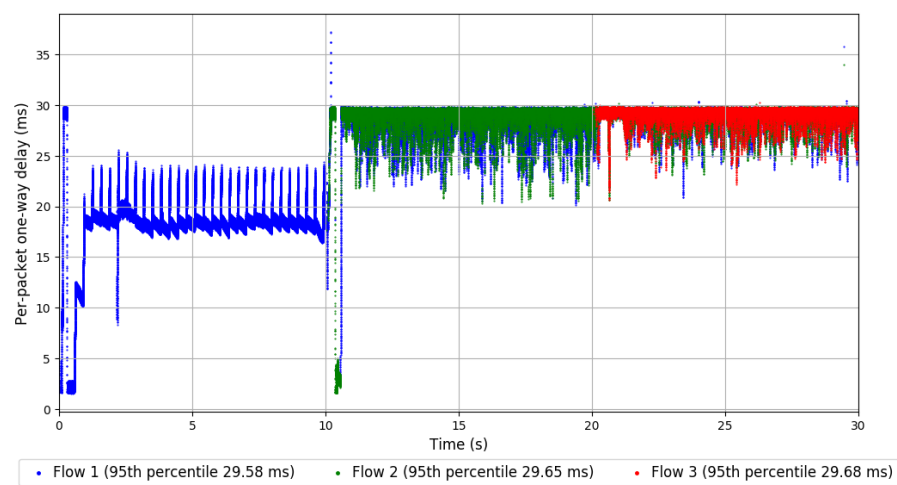
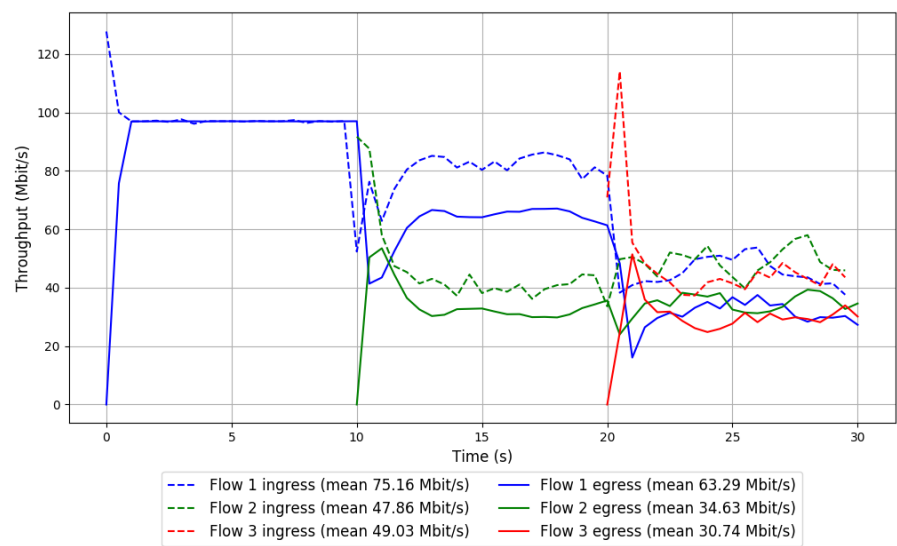


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-22 03:53:23
End at: 2018-08-22 03:53:53
Local clock offset: -6.831 ms
Remote clock offset: -14.252 ms

Below is generated by plot.py at 2018-08-22 05:50:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 29.626 ms
Loss rate: 21.64%
-- Flow 1:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 29.581 ms
Loss rate: 15.72%
-- Flow 2:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 29.652 ms
Loss rate: 27.62%
-- Flow 3:
Average throughput: 30.74 Mbit/s
95th percentile per-packet one-way delay: 29.677 ms
Loss rate: 37.30%

Run 5: Report of FillP-Sheep — Data Link

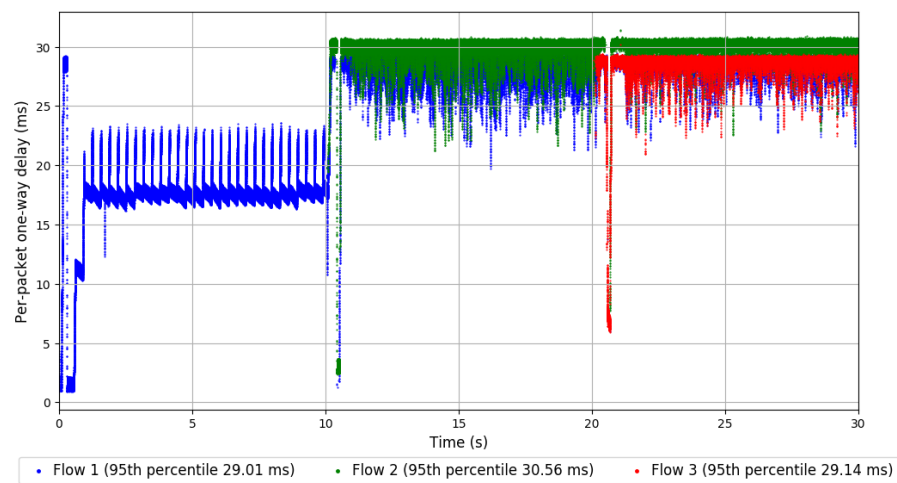
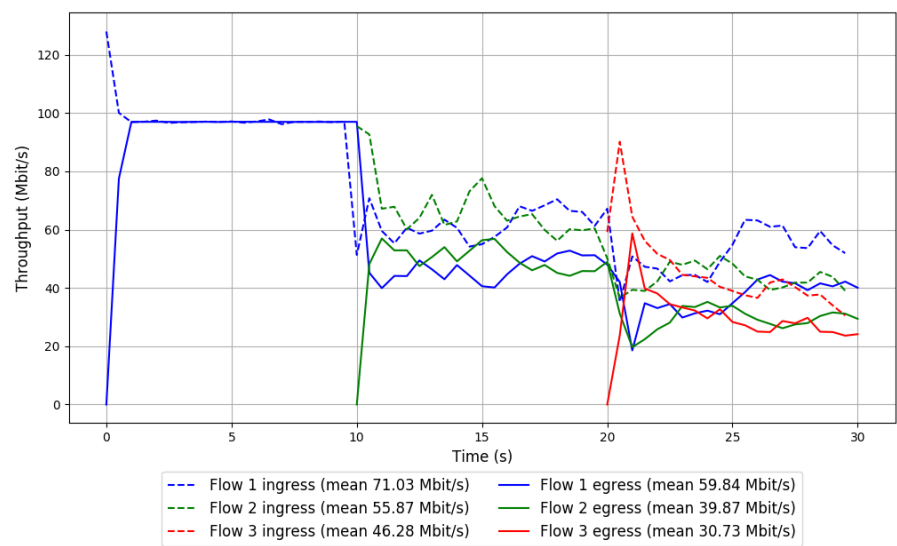


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-22 04:12:33
End at: 2018-08-22 04:13:03
Local clock offset: -4.974 ms
Remote clock offset: -16.812 ms

Below is generated by plot.py at 2018-08-22 05:50:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 30.383 ms
Loss rate: 21.79%
-- Flow 1:
Average throughput: 59.84 Mbit/s
95th percentile per-packet one-way delay: 29.014 ms
Loss rate: 15.67%
-- Flow 2:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 30.562 ms
Loss rate: 28.61%
-- Flow 3:
Average throughput: 30.73 Mbit/s
95th percentile per-packet one-way delay: 29.137 ms
Loss rate: 33.59%

Run 6: Report of FillP-Sheep — Data Link

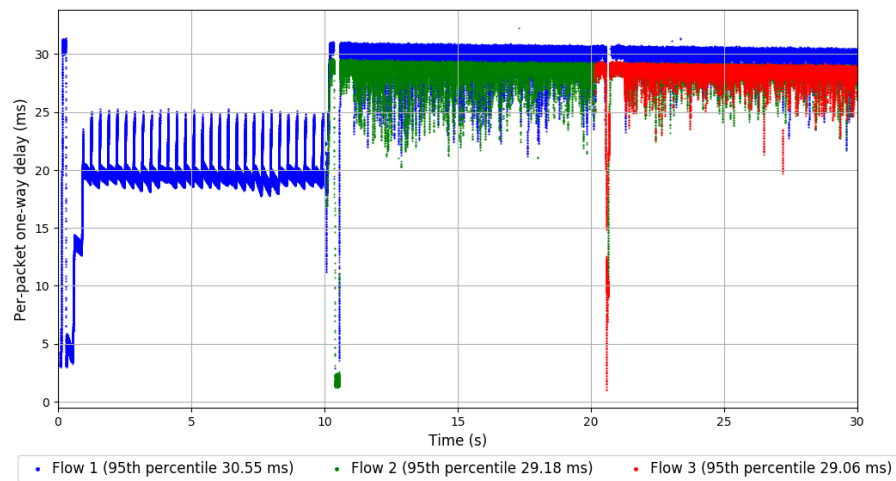
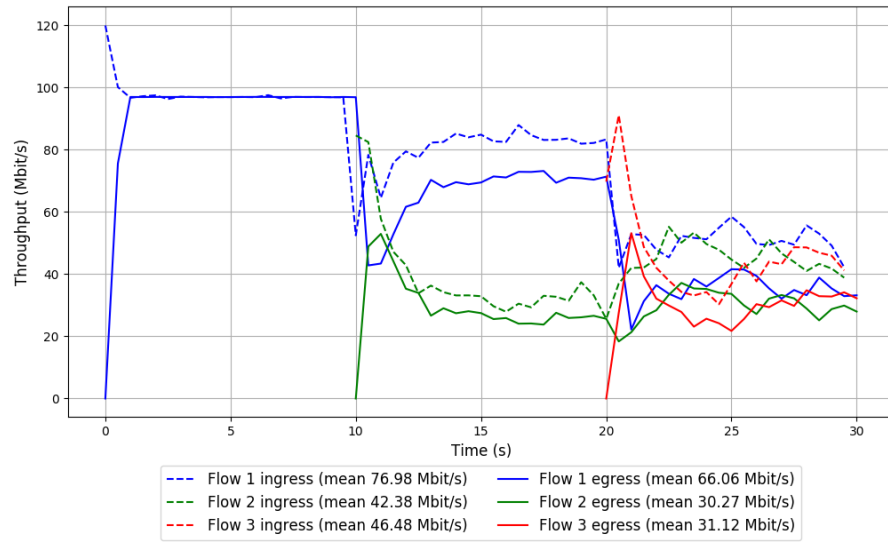


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-22 04:31:44
End at: 2018-08-22 04:32:14
Local clock offset: -3.651 ms
Remote clock offset: -14.897 ms

Below is generated by plot.py at 2018-08-22 05:51:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 30.473 ms
Loss rate: 19.90%
-- Flow 1:
Average throughput: 66.06 Mbit/s
95th percentile per-packet one-way delay: 30.547 ms
Loss rate: 14.11%
-- Flow 2:
Average throughput: 30.27 Mbit/s
95th percentile per-packet one-way delay: 29.178 ms
Loss rate: 28.53%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 29.062 ms
Loss rate: 33.05%

Run 7: Report of FillP-Sheep — Data Link

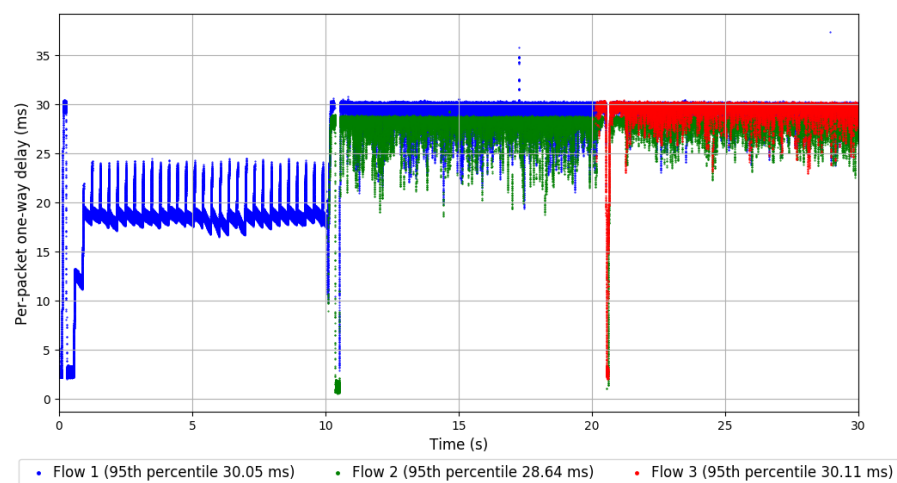
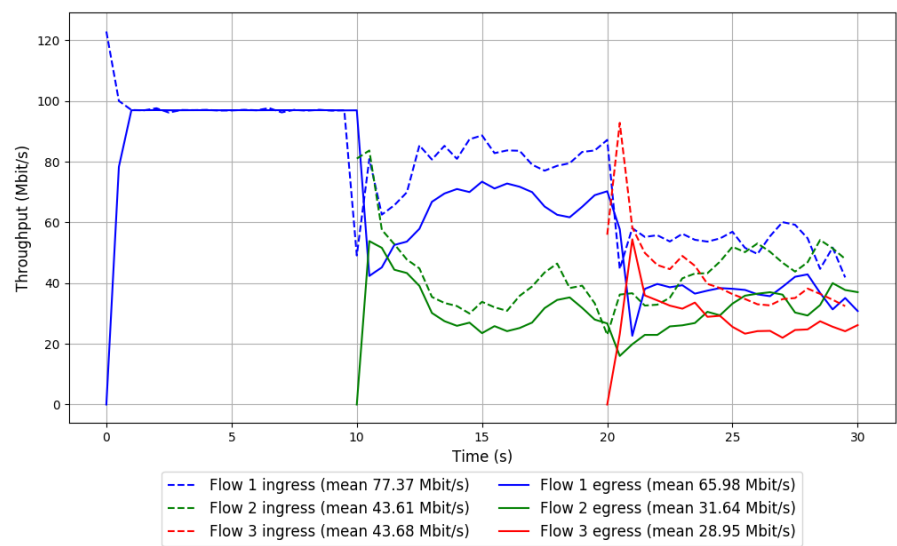


Run 8: Statistics of FillP-Sheep

Start at: 2018-08-22 04:50:55
End at: 2018-08-22 04:51:25
Local clock offset: -3.269 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2018-08-22 05:51:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.65 Mbit/s
95th percentile per-packet one-way delay: 30.030 ms
Loss rate: 19.99%
-- Flow 1:
Average throughput: 65.98 Mbit/s
95th percentile per-packet one-way delay: 30.049 ms
Loss rate: 14.64%
-- Flow 2:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 28.642 ms
Loss rate: 27.39%
-- Flow 3:
Average throughput: 28.95 Mbit/s
95th percentile per-packet one-way delay: 30.114 ms
Loss rate: 33.71%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-08-22 05:10:05

End at: 2018-08-22 05:10:35

Local clock offset: -4.361 ms

Remote clock offset: 3.119 ms

Below is generated by plot.py at 2018-08-22 05:51:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 31.074 ms

Loss rate: 22.34%

-- Flow 1:

Average throughput: 57.65 Mbit/s

95th percentile per-packet one-way delay: 31.040 ms

Loss rate: 15.50%

-- Flow 2:

Average throughput: 40.43 Mbit/s

95th percentile per-packet one-way delay: 31.142 ms

Loss rate: 28.72%

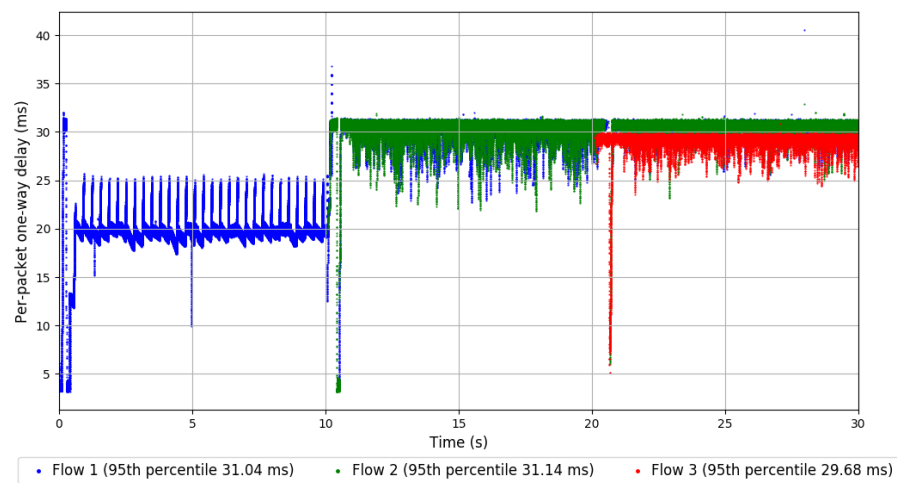
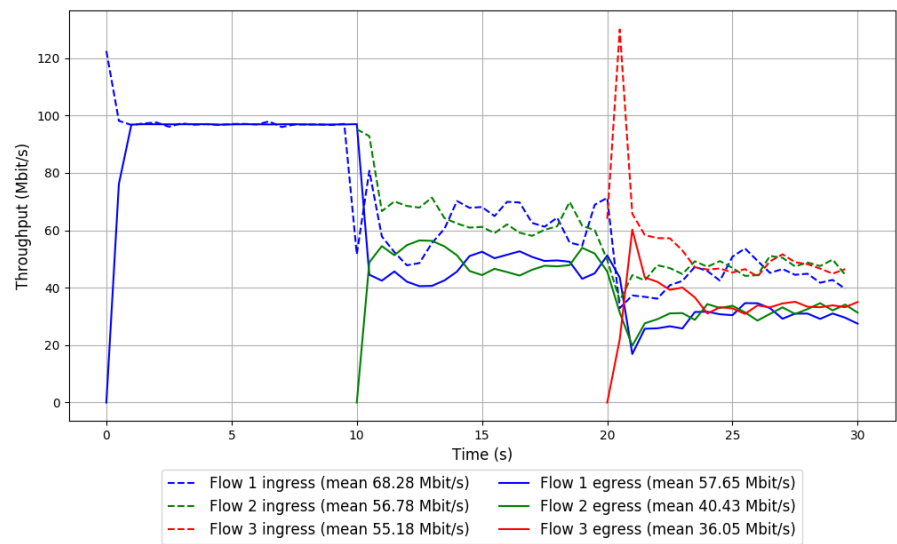
-- Flow 3:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 29.676 ms

Loss rate: 34.65%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-08-22 05:29:14

End at: 2018-08-22 05:29:44

Local clock offset: -3.28 ms

Remote clock offset: 5.304 ms

Below is generated by plot.py at 2018-08-22 05:51:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 29.430 ms

Loss rate: 22.90%

-- Flow 1:

Average throughput: 57.07 Mbit/s

95th percentile per-packet one-way delay: 29.445 ms

Loss rate: 16.11%

-- Flow 2:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 28.059 ms

Loss rate: 28.41%

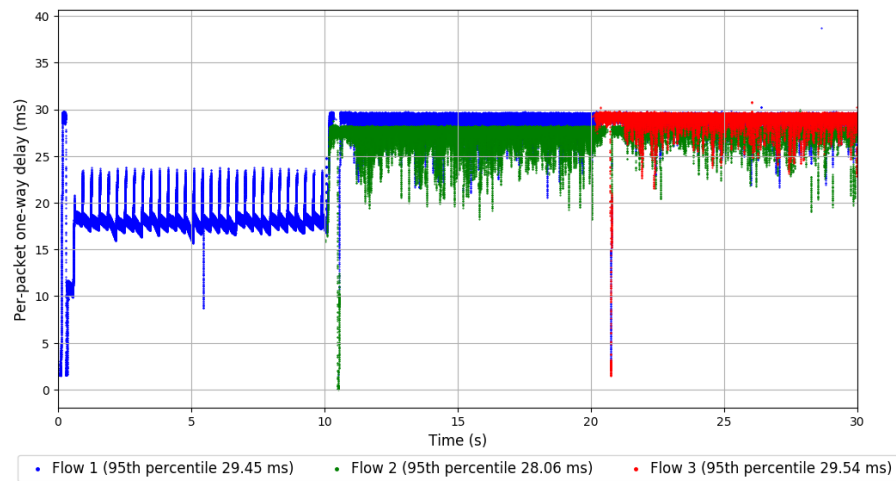
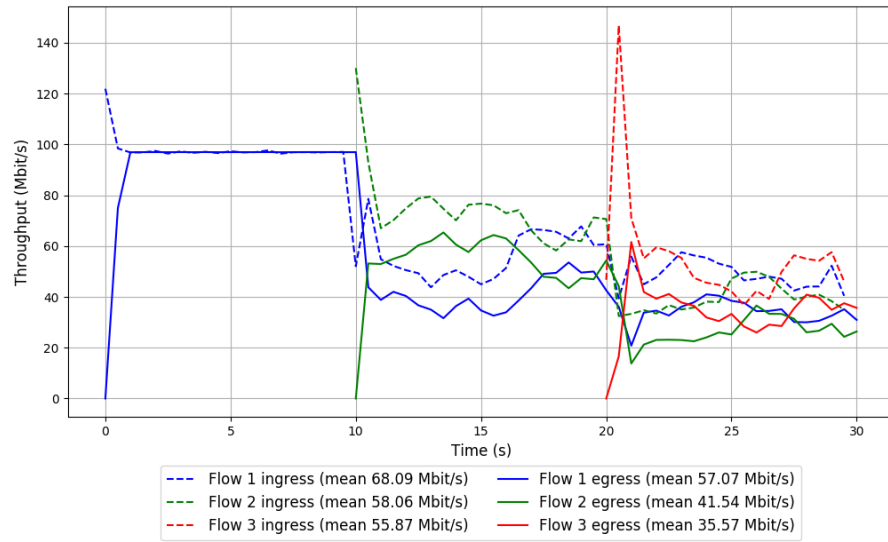
-- Flow 3:

Average throughput: 35.57 Mbit/s

95th percentile per-packet one-way delay: 29.540 ms

Loss rate: 36.34%

Run 10: Report of FillP-Sheep — Data Link

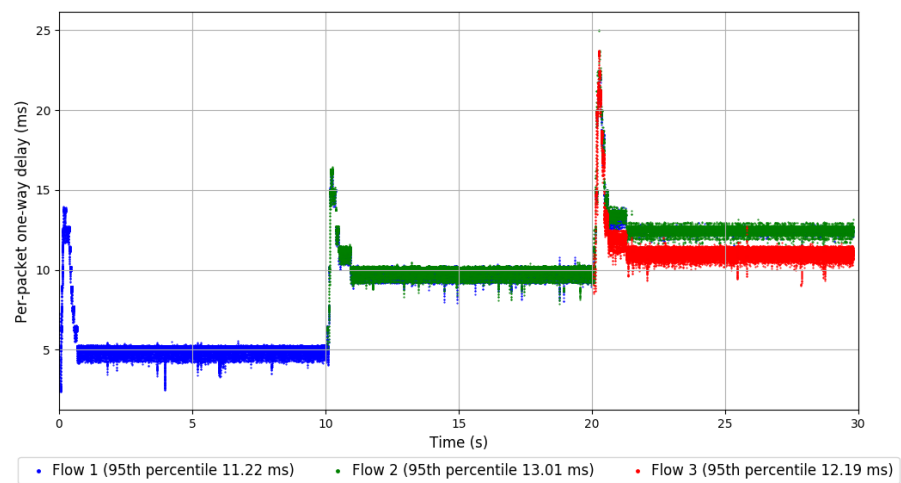
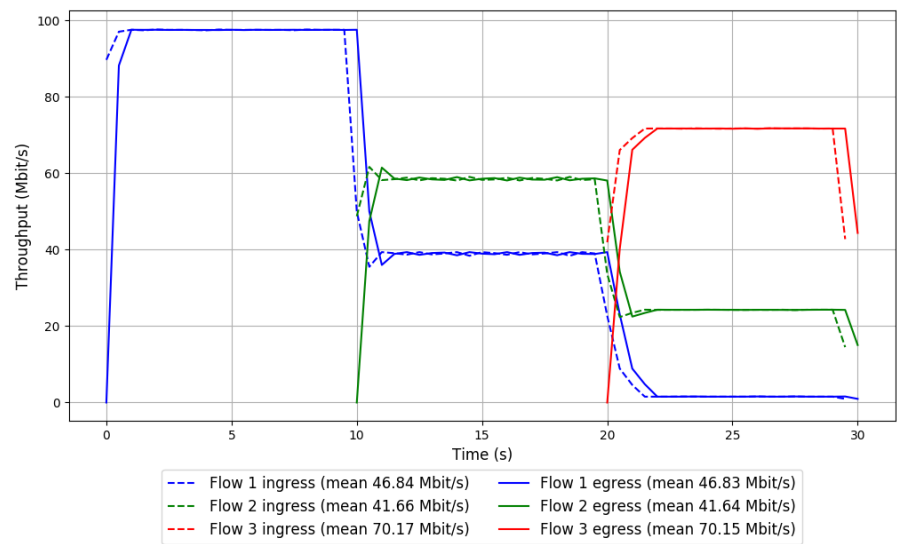


```
Run 1: Statistics of Indigo

Start at: 2018-08-22 02:30:00
End at: 2018-08-22 02:30:30
Local clock offset: -6.218 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at 2018-08-22 05:51:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 12.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.83 Mbit/s
95th percentile per-packet one-way delay: 11.225 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 13.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 12.194 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

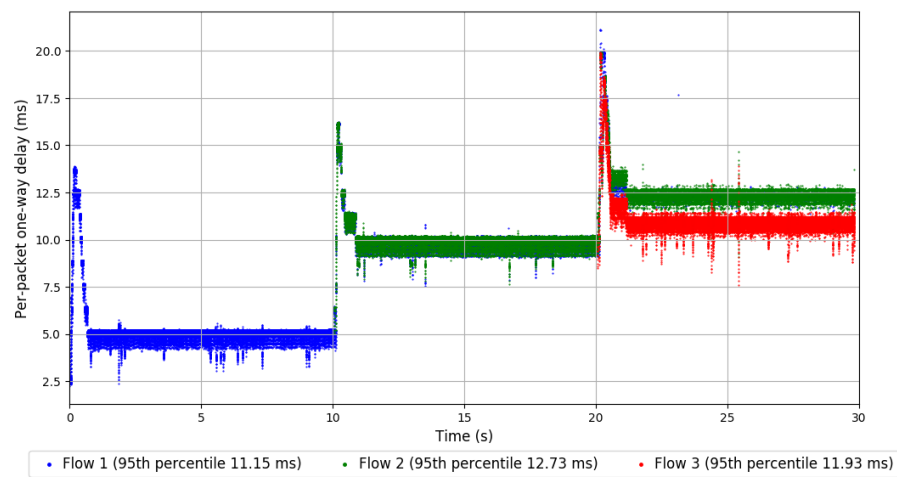
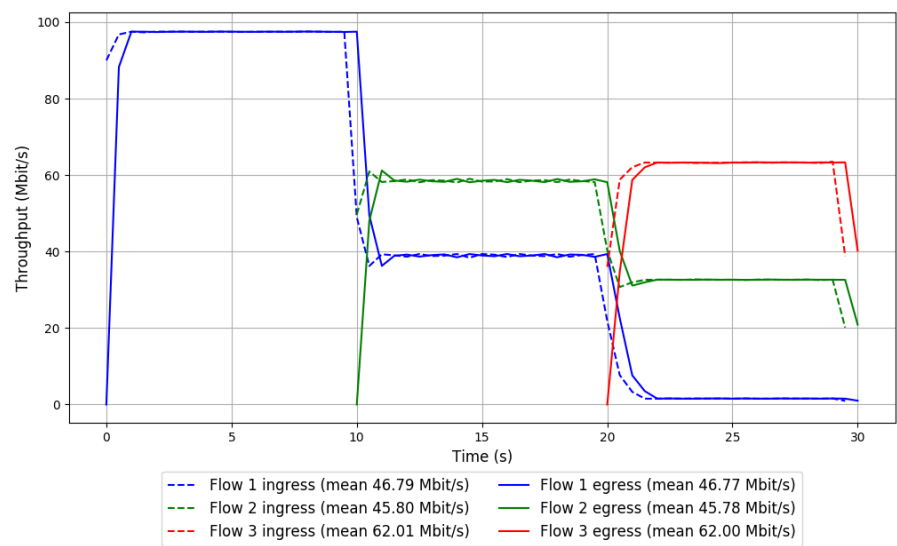


Run 2: Statistics of Indigo

Start at: 2018-08-22 02:49:12
End at: 2018-08-22 02:49:42
Local clock offset: -3.62 ms
Remote clock offset: -1.978 ms

Below is generated by plot.py at 2018-08-22 05:51:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 12.439 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 11.153 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 12.727 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.00 Mbit/s
95th percentile per-packet one-way delay: 11.929 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

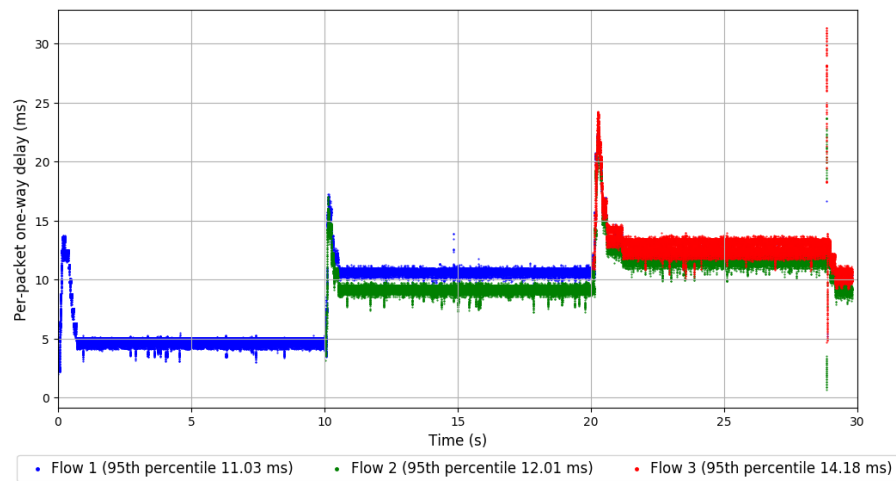
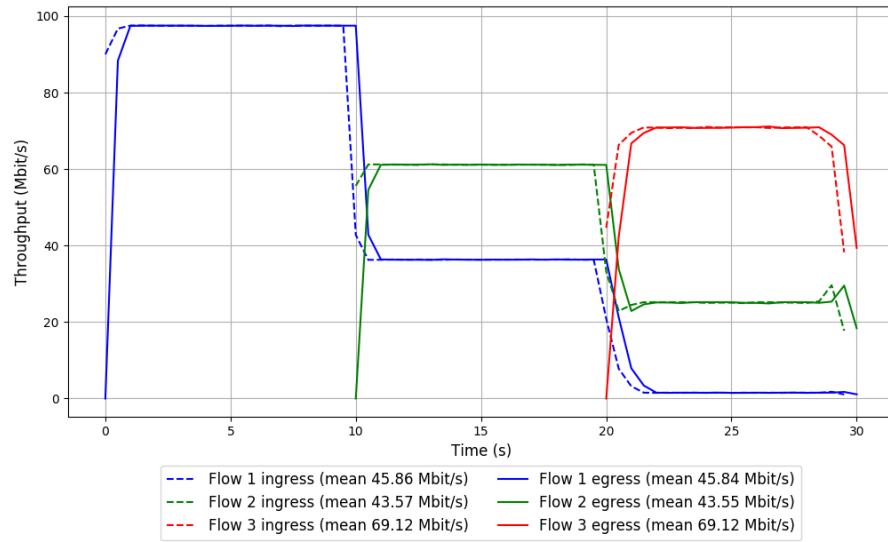


Run 3: Statistics of Indigo

Start at: 2018-08-22 03:08:23
End at: 2018-08-22 03:08:53
Local clock offset: -2.399 ms
Remote clock offset: -1.394 ms

```
# Below is generated by plot.py at 2018-08-22 05:51:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.32 Mbit/s
95th percentile per-packet one-way delay: 13.292 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 11.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 12.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 14.176 ms
Loss rate: 0.01%
```


Run 3: Report of Indigo — Data Link

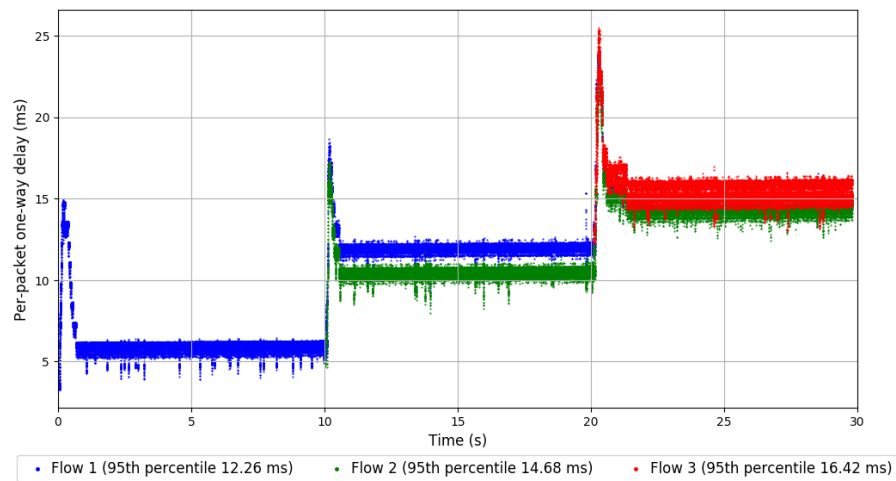
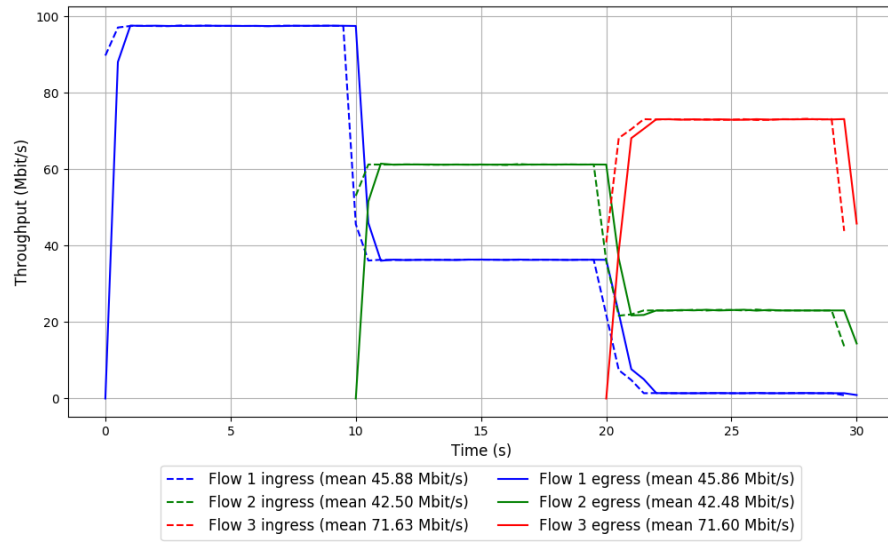


Run 4: Statistics of Indigo

Start at: 2018-08-22 03:27:34
End at: 2018-08-22 03:28:04
Local clock offset: -3.717 ms
Remote clock offset: -6.683 ms

```
# Below is generated by plot.py at 2018-08-22 05:51:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.35 Mbit/s
95th percentile per-packet one-way delay: 15.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.86 Mbit/s
95th percentile per-packet one-way delay: 12.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 14.675 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.60 Mbit/s
95th percentile per-packet one-way delay: 16.417 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link

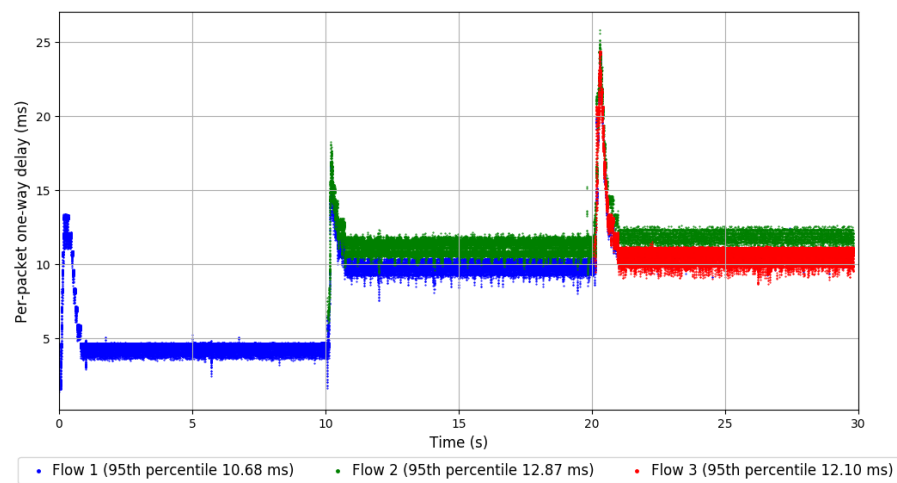
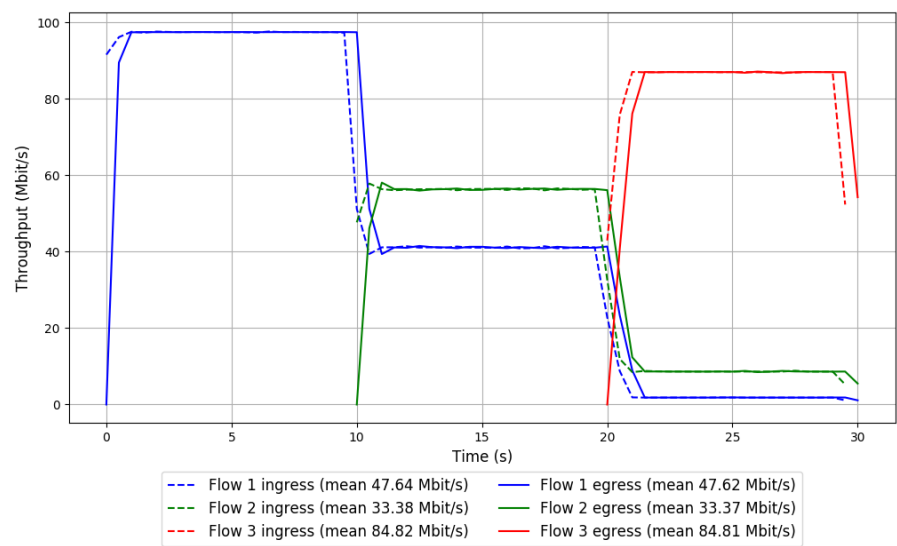


Run 5: Statistics of Indigo

Start at: 2018-08-22 03:46:44
End at: 2018-08-22 03:47:14
Local clock offset: -6.132 ms
Remote clock offset: -13.24 ms

Below is generated by plot.py at 2018-08-22 05:52:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 10.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.37 Mbit/s
95th percentile per-packet one-way delay: 12.871 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 12.099 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

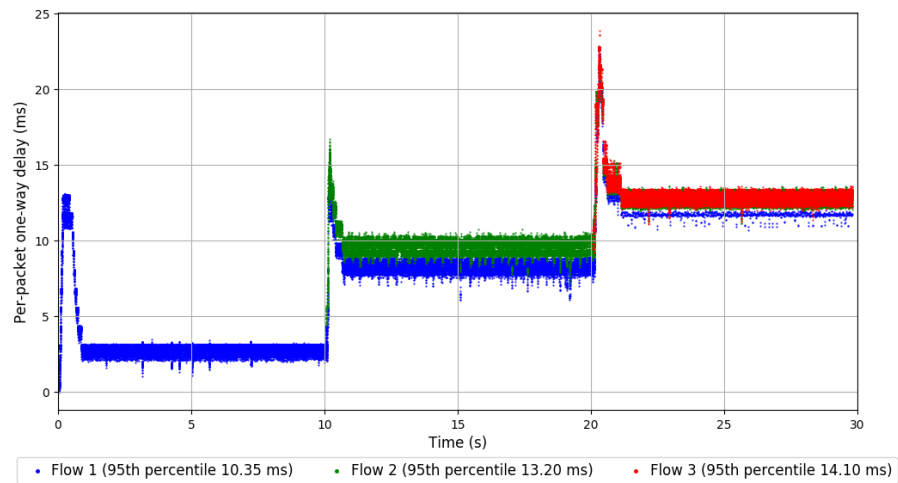
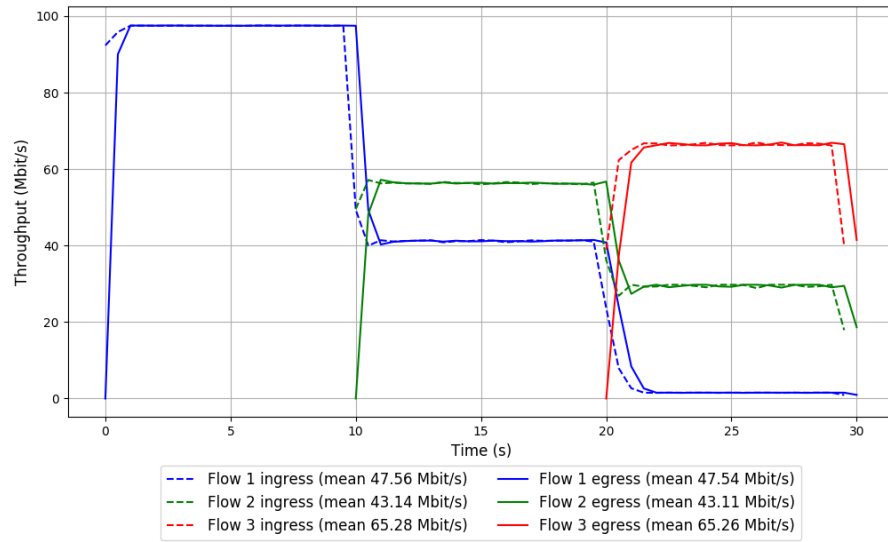


Run 6: Statistics of Indigo

Start at: 2018-08-22 04:05:54
End at: 2018-08-22 04:06:24
Local clock offset: -5.988 ms
Remote clock offset: -16.022 ms

Below is generated by plot.py at 2018-08-22 05:52:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 13.146 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.54 Mbit/s
95th percentile per-packet one-way delay: 10.350 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.11 Mbit/s
95th percentile per-packet one-way delay: 13.200 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 14.101 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

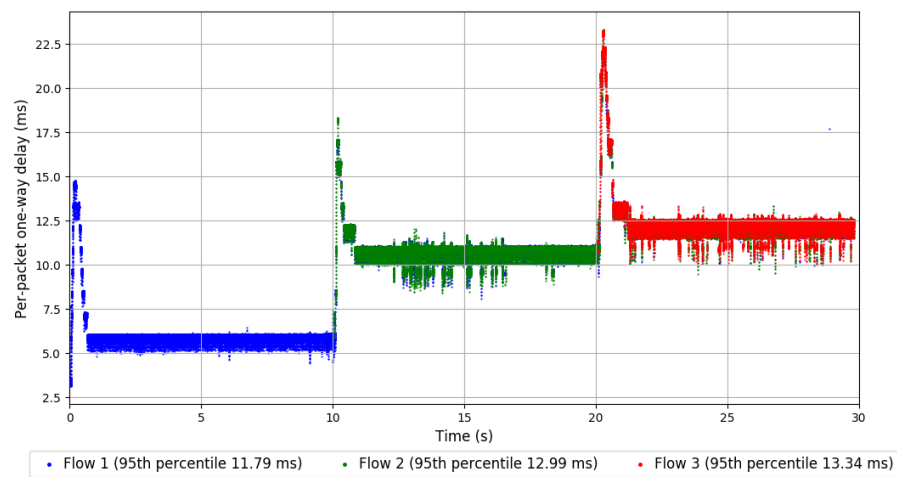
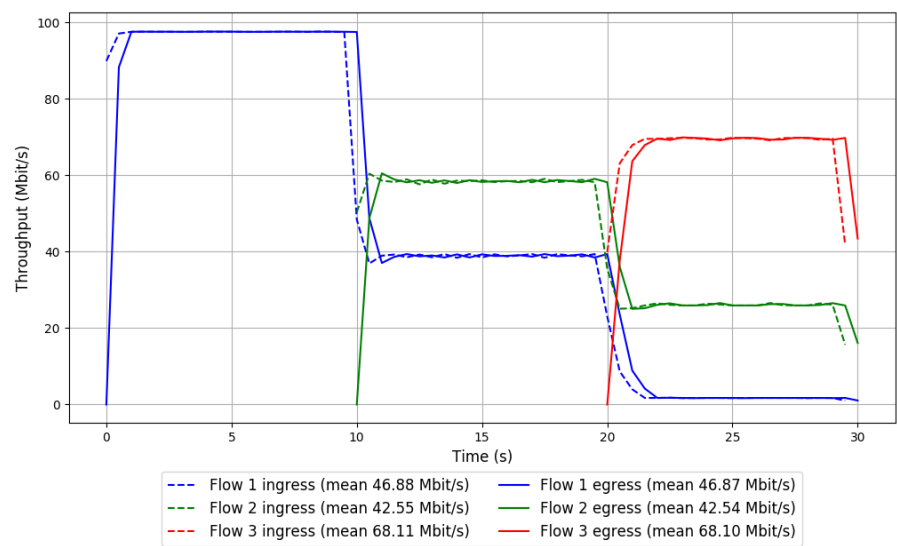


Run 7: Statistics of Indigo

Start at: 2018-08-22 04:25:05
End at: 2018-08-22 04:25:35
Local clock offset: -4.006 ms
Remote clock offset: -18.355 ms

Below is generated by plot.py at 2018-08-22 05:52:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 12.986 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.87 Mbit/s
95th percentile per-packet one-way delay: 11.786 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.54 Mbit/s
95th percentile per-packet one-way delay: 12.992 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 68.10 Mbit/s
95th percentile per-packet one-way delay: 13.342 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

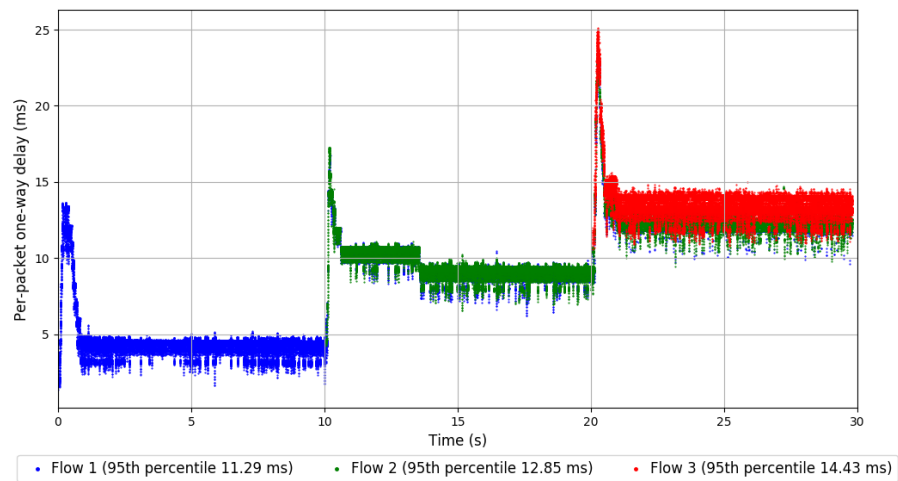
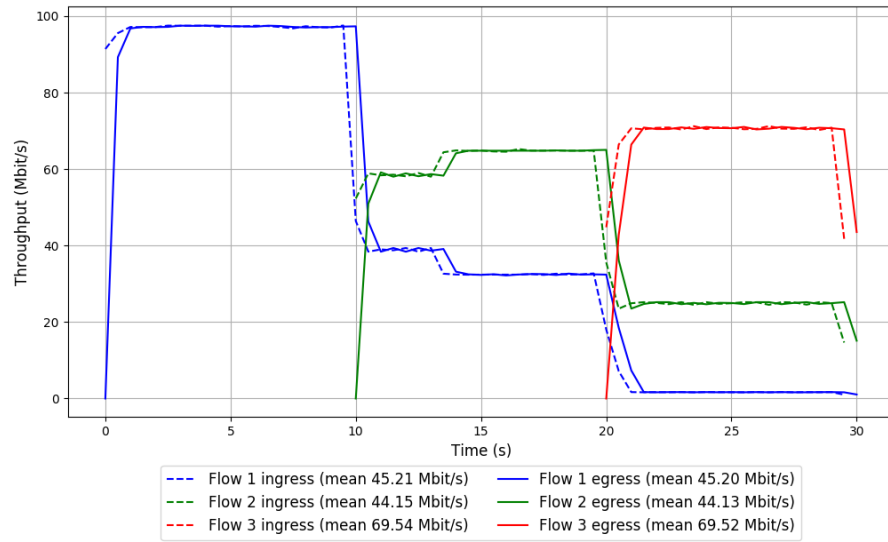


Run 8: Statistics of Indigo

Start at: 2018-08-22 04:44:16
End at: 2018-08-22 04:44:46
Local clock offset: -3.87 ms
Remote clock offset: -3.029 ms

Below is generated by plot.py at 2018-08-22 05:52:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 13.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 11.289 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.13 Mbit/s
95th percentile per-packet one-way delay: 12.846 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 69.52 Mbit/s
95th percentile per-packet one-way delay: 14.425 ms
Loss rate: 0.02%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-22 05:03:26

End at: 2018-08-22 05:03:56

Local clock offset: -3.372 ms

Remote clock offset: 2.859 ms

Below is generated by plot.py at 2018-08-22 05:52:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 11.329 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.68 Mbit/s

95th percentile per-packet one-way delay: 9.932 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.67 Mbit/s

95th percentile per-packet one-way delay: 11.835 ms

Loss rate: 0.00%

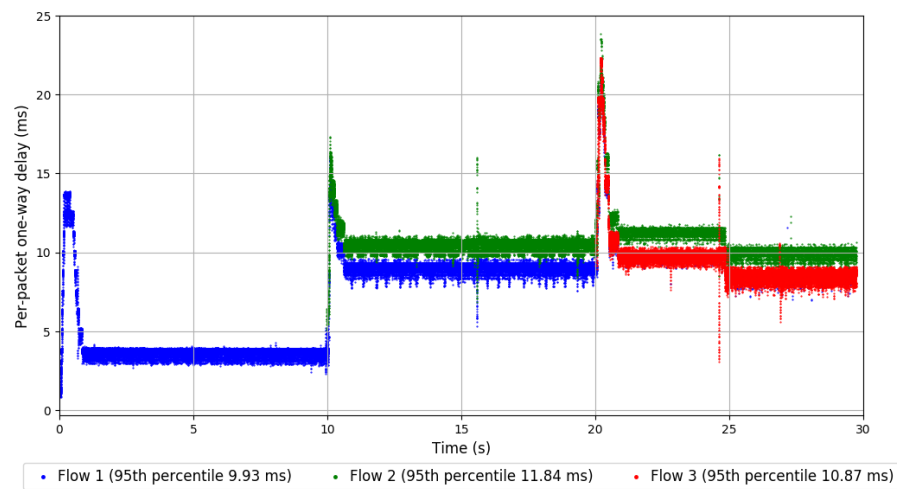
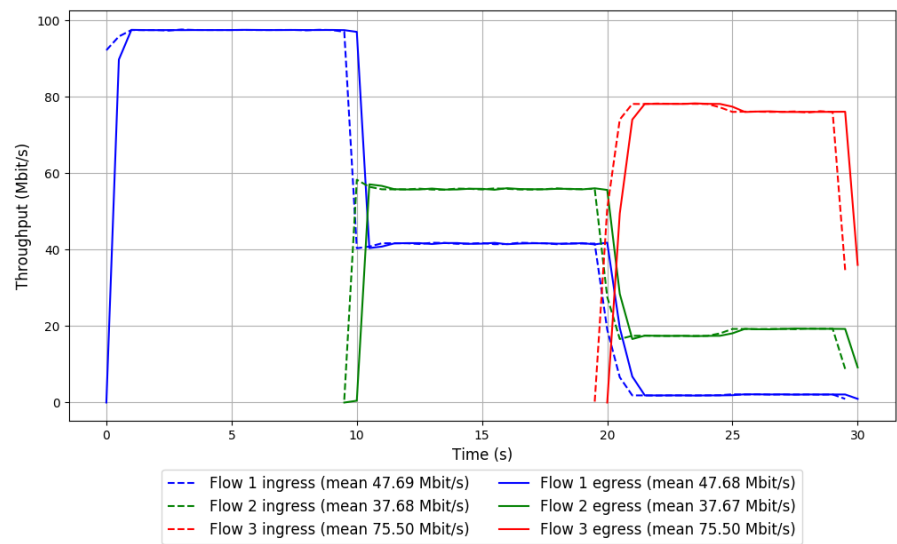
-- Flow 3:

Average throughput: 75.50 Mbit/s

95th percentile per-packet one-way delay: 10.869 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-08-22 05:22:35

End at: 2018-08-22 05:23:05

Local clock offset: -4.064 ms

Remote clock offset: 4.39 ms

Below is generated by plot.py at 2018-08-22 05:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.39 Mbit/s

95th percentile per-packet one-way delay: 12.853 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.71 Mbit/s

95th percentile per-packet one-way delay: 11.737 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 12.850 ms

Loss rate: 0.00%

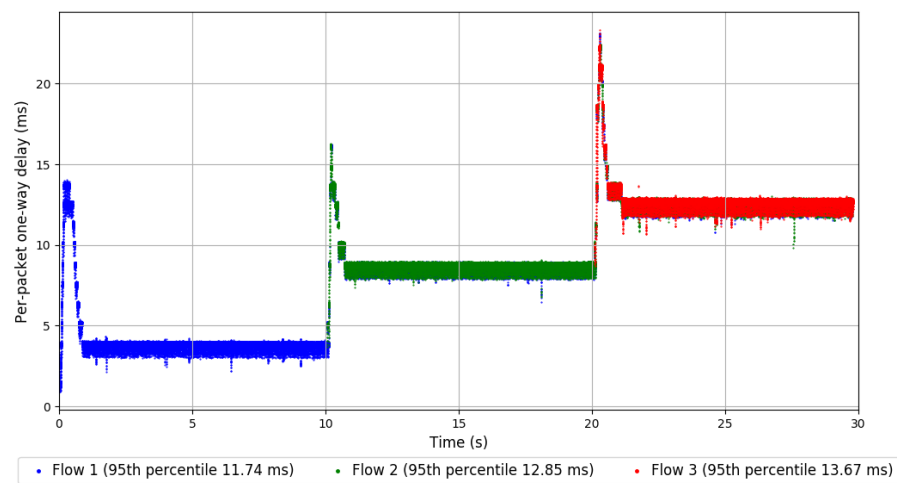
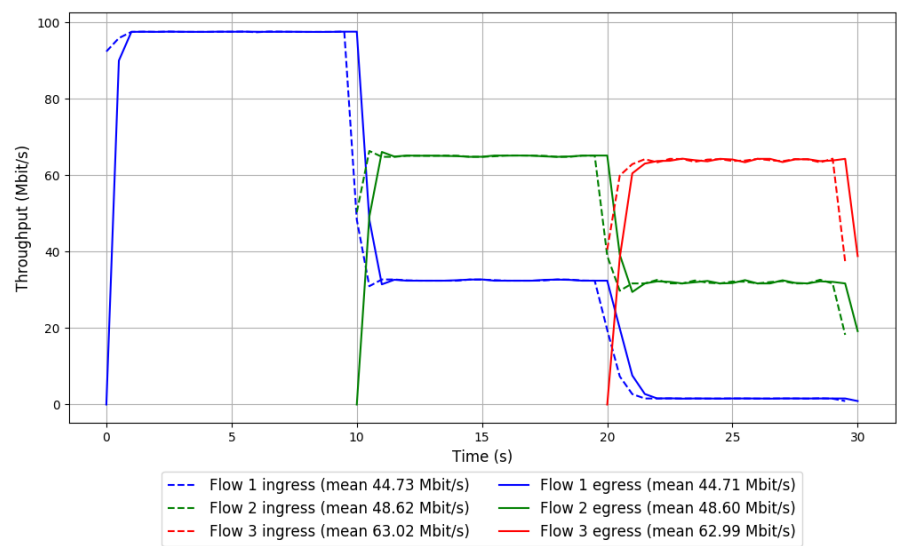
-- Flow 3:

Average throughput: 62.99 Mbit/s

95th percentile per-packet one-way delay: 13.673 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

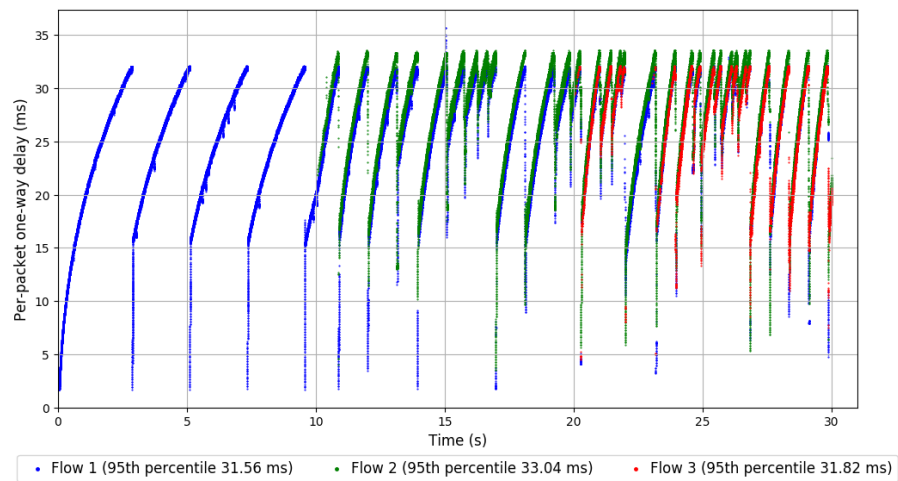
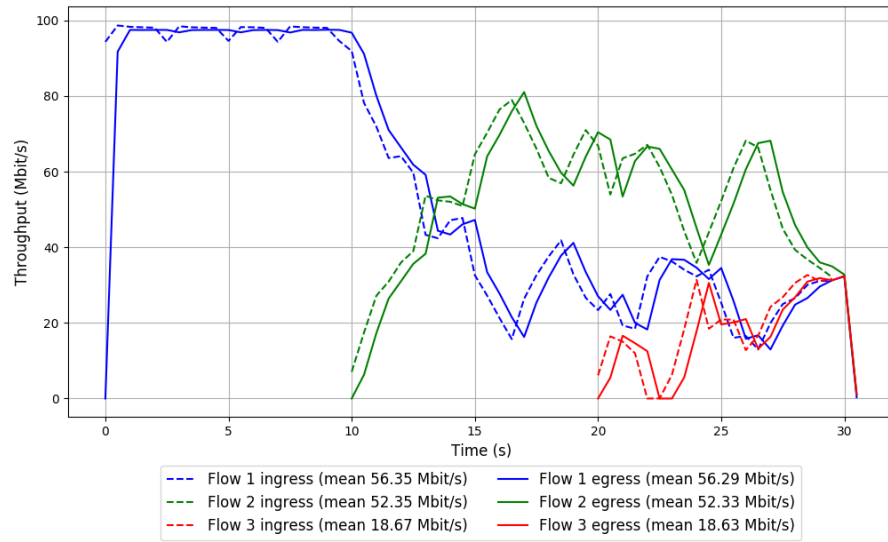


Run 1: Statistics of LEDBAT

Start at: 2018-08-22 02:44:36
End at: 2018-08-22 02:45:06
Local clock offset: -5.024 ms
Remote clock offset: -2.111 ms

Below is generated by plot.py at 2018-08-22 05:52:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 32.326 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 56.29 Mbit/s
95th percentile per-packet one-way delay: 31.563 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 33.036 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 31.817 ms
Loss rate: 0.30%

Run 1: Report of LEDBAT — Data Link

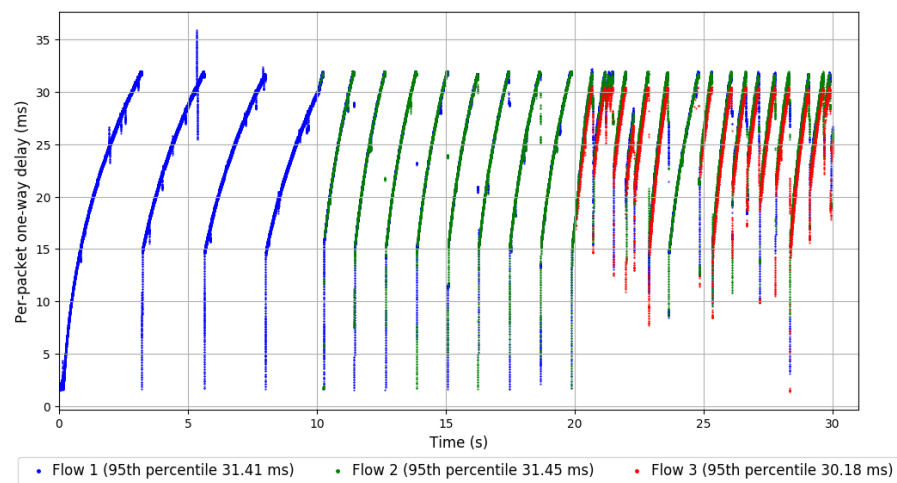
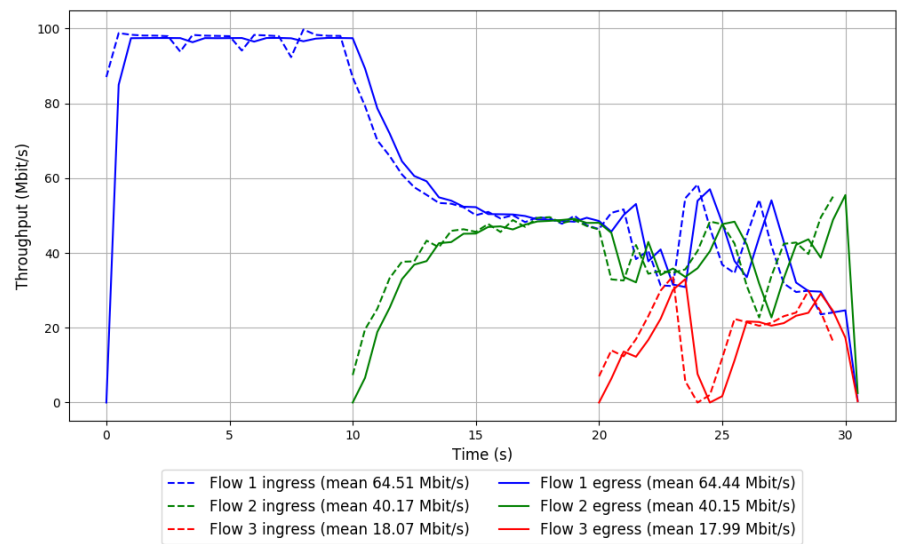


Run 2: Statistics of LEDBAT

Start at: 2018-08-22 03:03:46
End at: 2018-08-22 03:04:16
Local clock offset: -1.664 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-08-22 05:52:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.11 Mbit/s
95th percentile per-packet one-way delay: 31.392 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.44 Mbit/s
95th percentile per-packet one-way delay: 31.414 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 31.452 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 30.184 ms
Loss rate: 0.40%

Run 2: Report of LEDBAT — Data Link

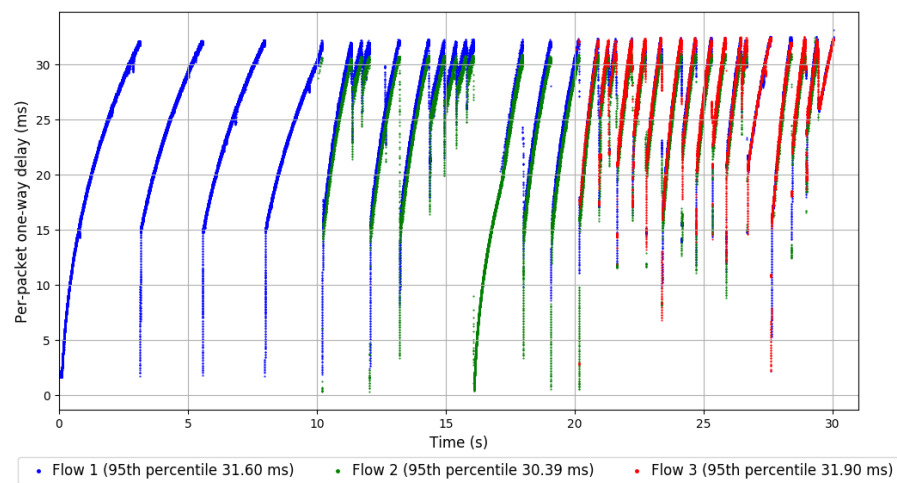
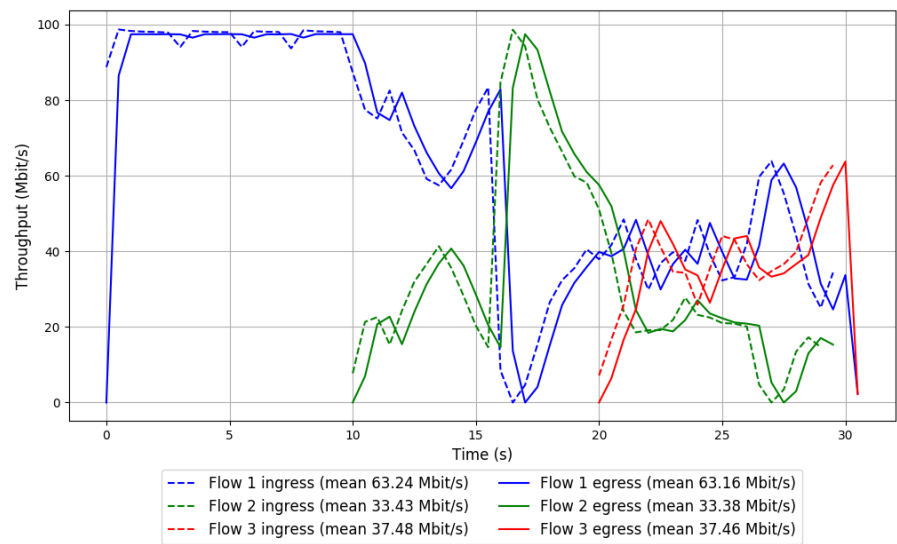


Run 3: Statistics of LEDBAT

Start at: 2018-08-22 03:22:57
End at: 2018-08-22 03:23:27
Local clock offset: -2.151 ms
Remote clock offset: -2.975 ms

Below is generated by plot.py at 2018-08-22 05:53:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 31.509 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 63.16 Mbit/s
95th percentile per-packet one-way delay: 31.596 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 30.392 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 31.900 ms
Loss rate: 0.07%

Run 3: Report of LEDBAT — Data Link

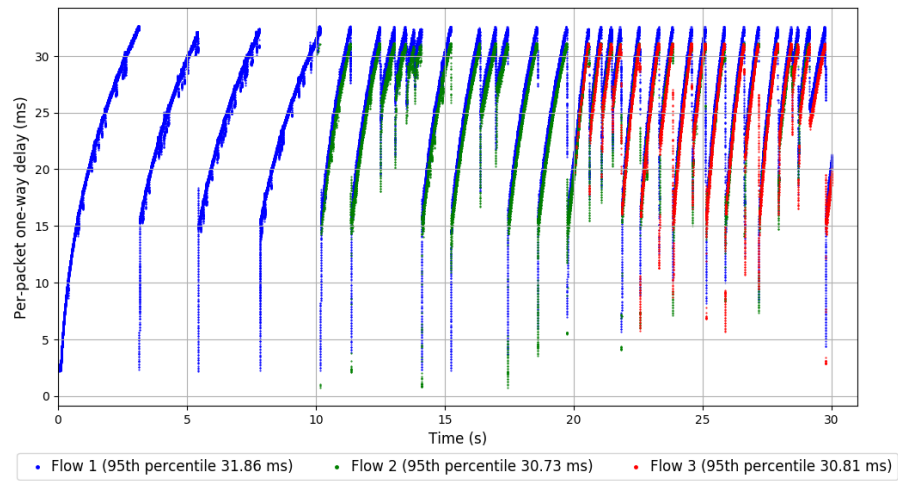
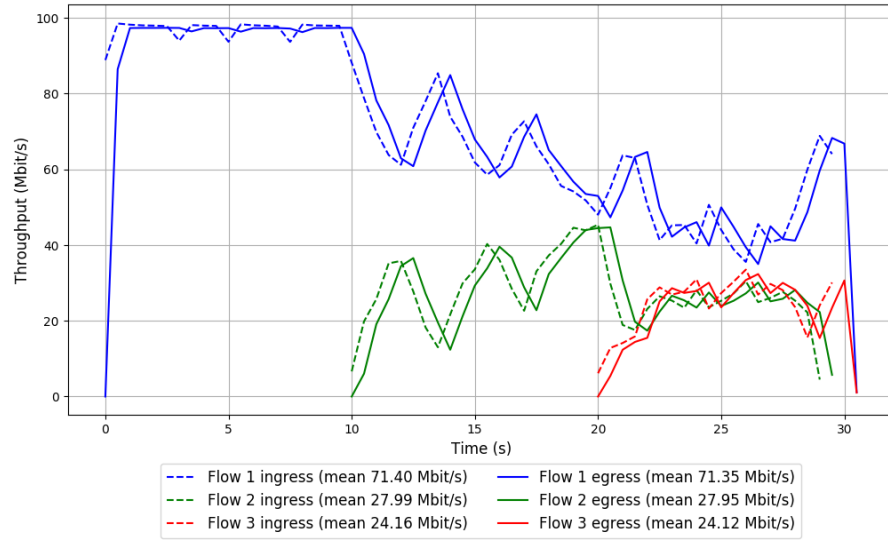


Run 4: Statistics of LEDBAT

Start at: 2018-08-22 03:42:08
End at: 2018-08-22 03:42:38
Local clock offset: -4.39 ms
Remote clock offset: -12.277 ms

Below is generated by plot.py at 2018-08-22 05:53:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 31.858 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 27.95 Mbit/s
95th percentile per-packet one-way delay: 30.727 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 30.808 ms
Loss rate: 0.18%

Run 4: Report of LEDBAT — Data Link

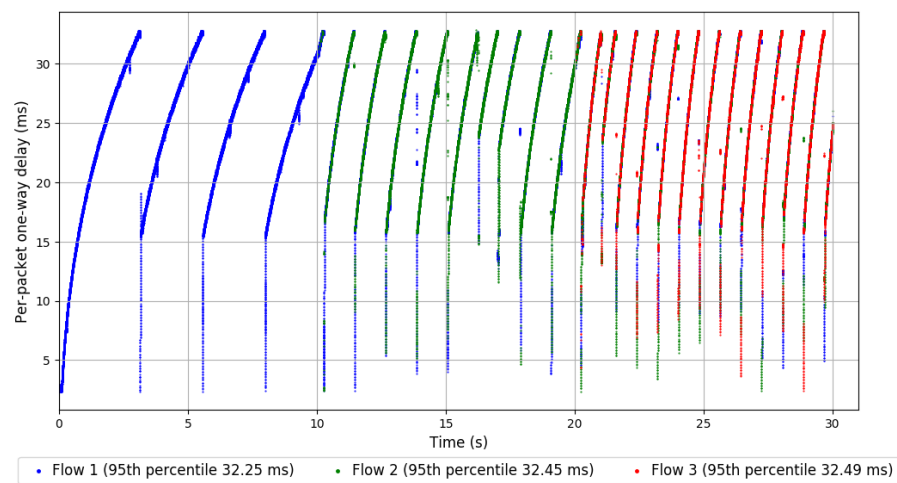
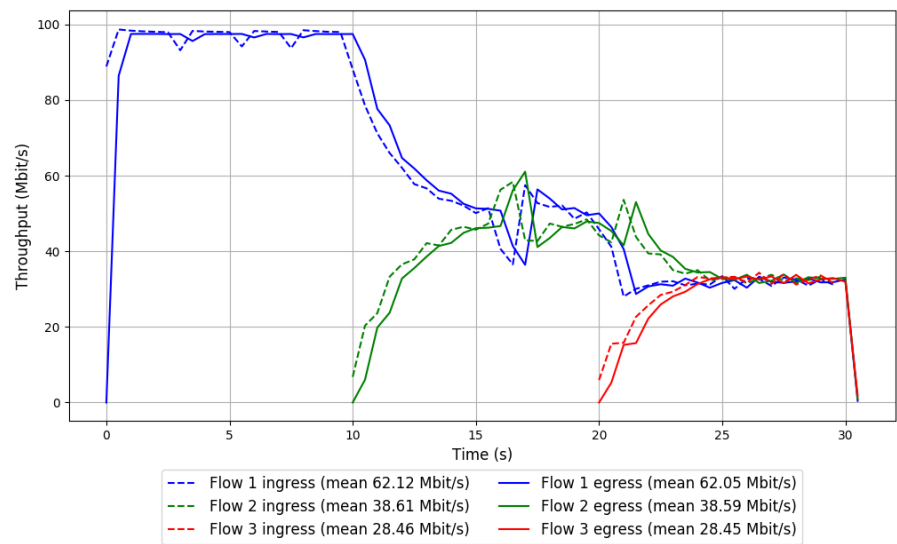


Run 5: Statistics of LEDBAT

Start at: 2018-08-22 04:01:18
End at: 2018-08-22 04:01:48
Local clock offset: -6.57 ms
Remote clock offset: -15.33 ms

Below is generated by plot.py at 2018-08-22 05:53:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 32.284 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 32.253 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.59 Mbit/s
95th percentile per-packet one-way delay: 32.449 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 28.45 Mbit/s
95th percentile per-packet one-way delay: 32.487 ms
Loss rate: 0.10%

Run 5: Report of LEDBAT — Data Link

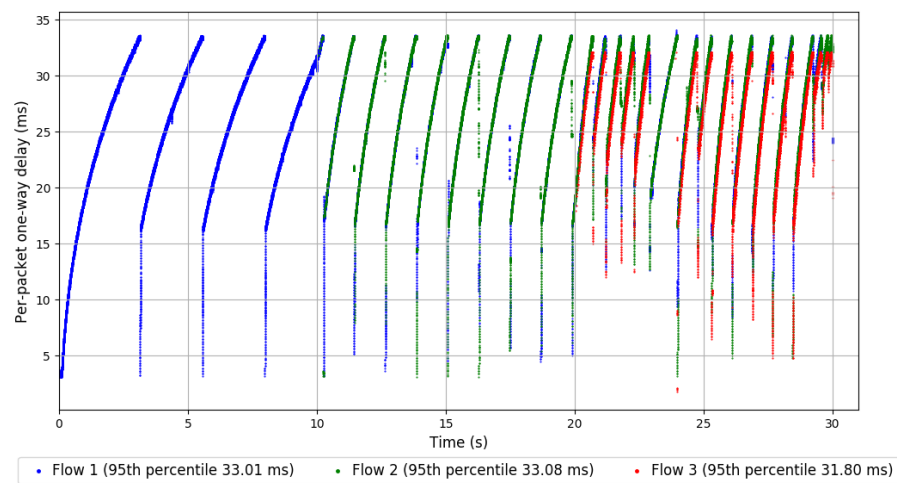
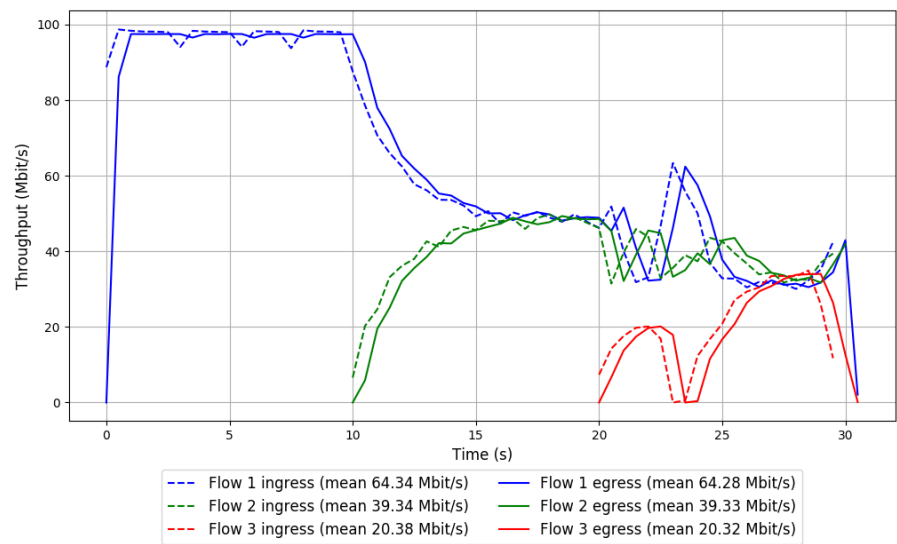


Run 6: Statistics of LEDBAT

Start at: 2018-08-22 04:20:29
End at: 2018-08-22 04:20:59
Local clock offset: -4.427 ms
Remote clock offset: -17.874 ms

Below is generated by plot.py at 2018-08-22 05:53:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 33.013 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 64.28 Mbit/s
95th percentile per-packet one-way delay: 33.010 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 39.33 Mbit/s
95th percentile per-packet one-way delay: 33.080 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 20.32 Mbit/s
95th percentile per-packet one-way delay: 31.804 ms
Loss rate: 0.28%

Run 6: Report of LEDBAT — Data Link

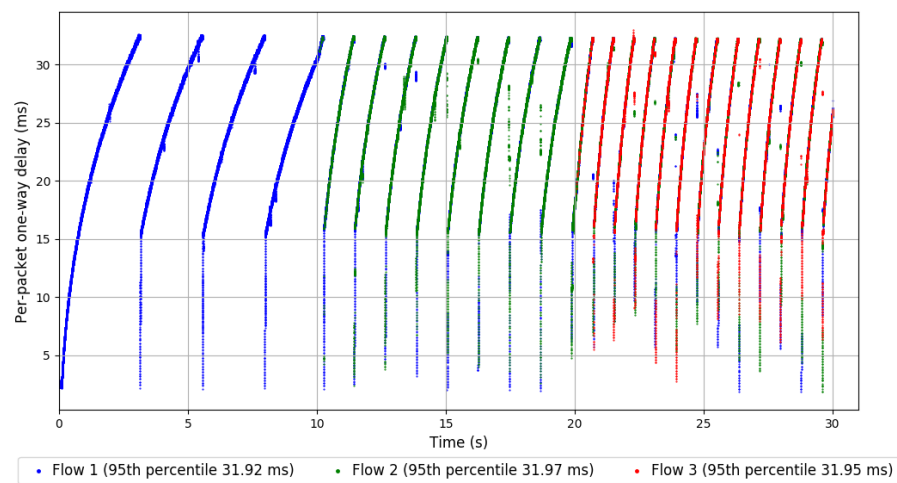
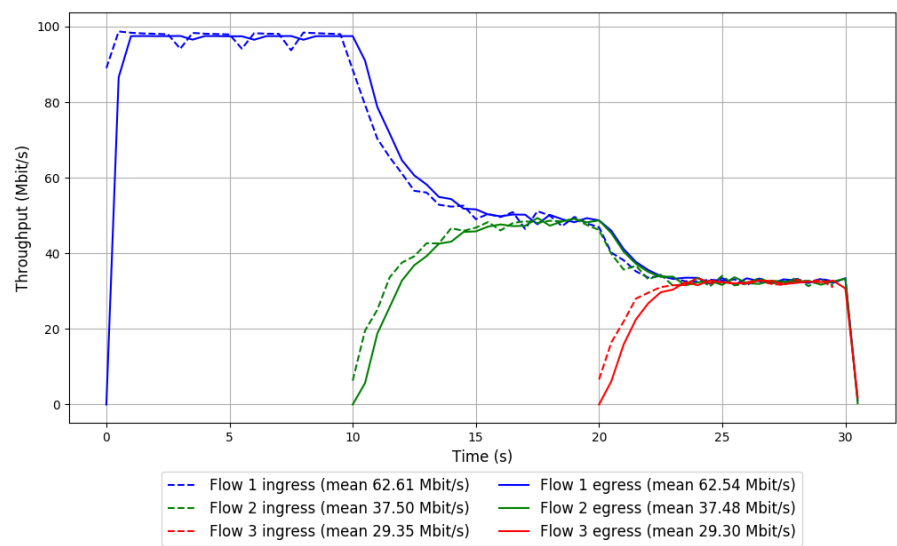


Run 7: Statistics of LEDBAT

Start at: 2018-08-22 04:39:40
End at: 2018-08-22 04:40:10
Local clock offset: -2.831 ms
Remote clock offset: -5.918 ms

Below is generated by plot.py at 2018-08-22 05:53:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 31.947 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.54 Mbit/s
95th percentile per-packet one-way delay: 31.924 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.48 Mbit/s
95th percentile per-packet one-way delay: 31.969 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 31.953 ms
Loss rate: 0.10%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-08-22 04:58:50

End at: 2018-08-22 04:59:20

Local clock offset: -3.324 ms

Remote clock offset: 1.874 ms

Below is generated by plot.py at 2018-08-22 05:53:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.31 Mbit/s

95th percentile per-packet one-way delay: 30.766 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 61.77 Mbit/s

95th percentile per-packet one-way delay: 30.648 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 30.808 ms

Loss rate: 0.07%

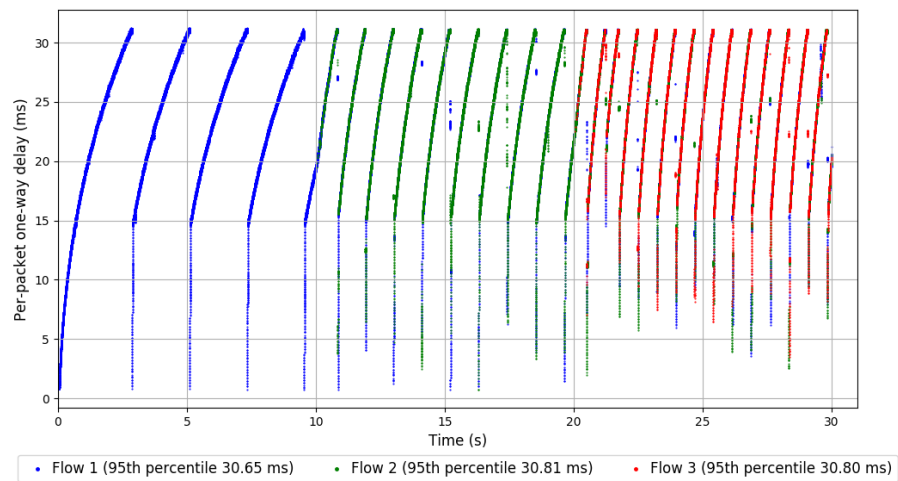
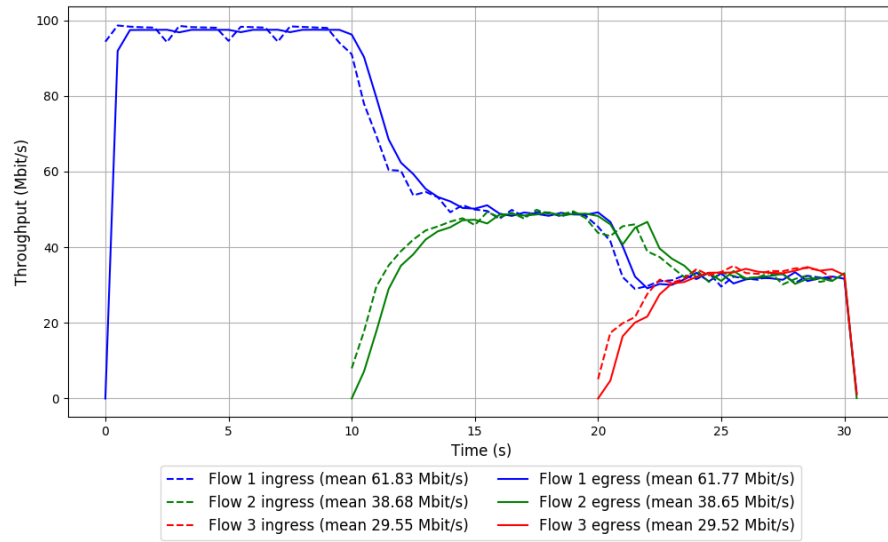
-- Flow 3:

Average throughput: 29.52 Mbit/s

95th percentile per-packet one-way delay: 30.805 ms

Loss rate: 0.10%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-08-22 05:18:00

End at: 2018-08-22 05:18:30

Local clock offset: -3.885 ms

Remote clock offset: 3.828 ms

Below is generated by plot.py at 2018-08-22 05:54:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.19 Mbit/s

95th percentile per-packet one-way delay: 30.818 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 63.88 Mbit/s

95th percentile per-packet one-way delay: 30.698 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 34.95 Mbit/s

95th percentile per-packet one-way delay: 30.859 ms

Loss rate: 0.09%

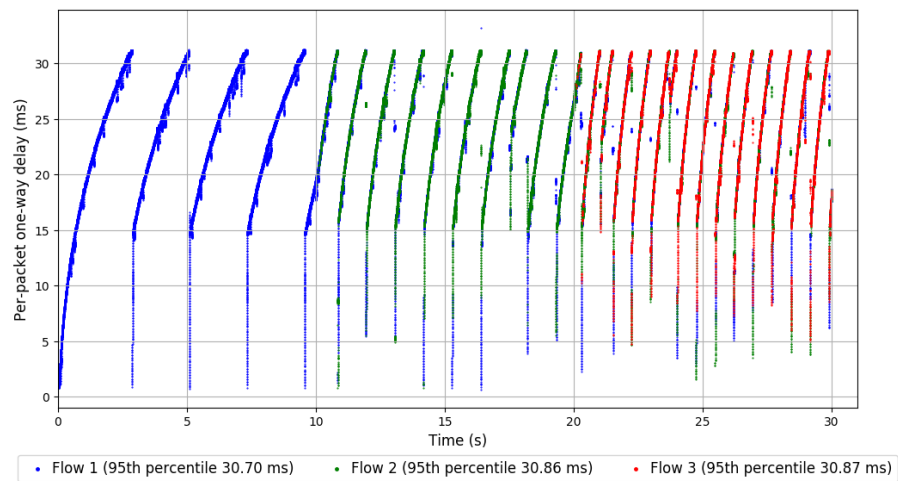
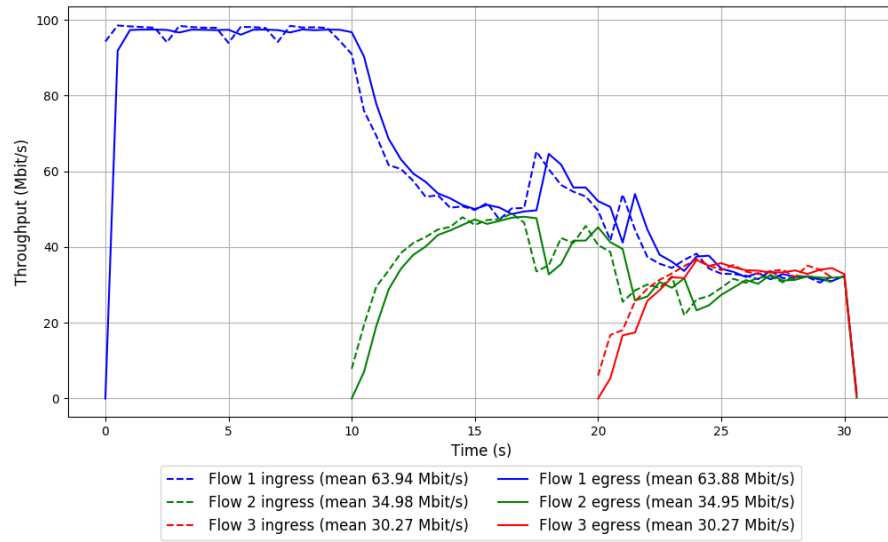
-- Flow 3:

Average throughput: 30.27 Mbit/s

95th percentile per-packet one-way delay: 30.873 ms

Loss rate: 0.09%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-08-22 05:37:10

End at: 2018-08-22 05:37:40

Local clock offset: -4.835 ms

Remote clock offset: 6.353 ms

Below is generated by plot.py at 2018-08-22 05:54:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 31.555 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 62.99 Mbit/s

95th percentile per-packet one-way delay: 31.411 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.30 Mbit/s

95th percentile per-packet one-way delay: 31.590 ms

Loss rate: 0.06%

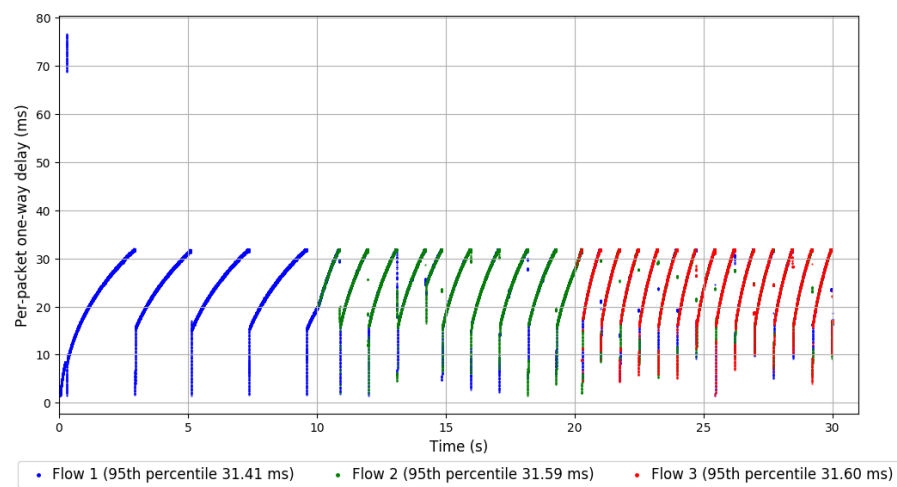
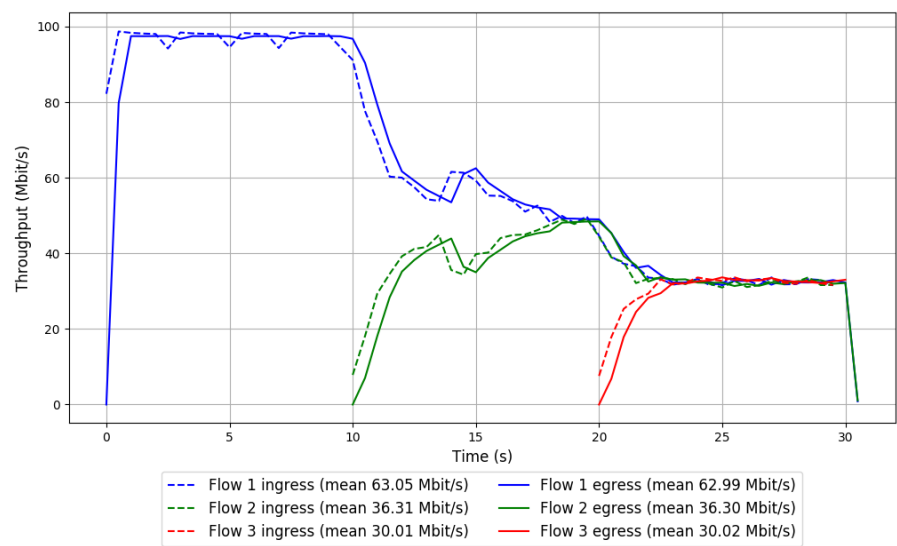
-- Flow 3:

Average throughput: 30.02 Mbit/s

95th percentile per-packet one-way delay: 31.599 ms

Loss rate: 0.08%

Run 10: Report of LEDBAT — Data Link

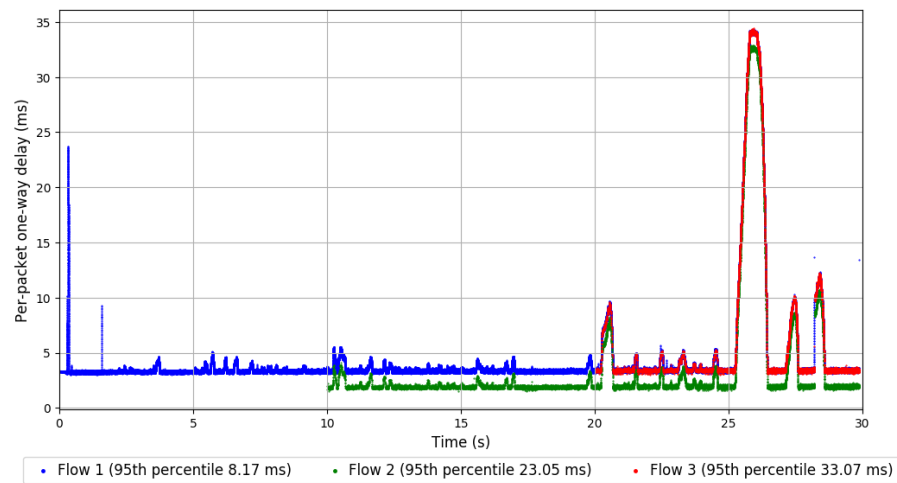
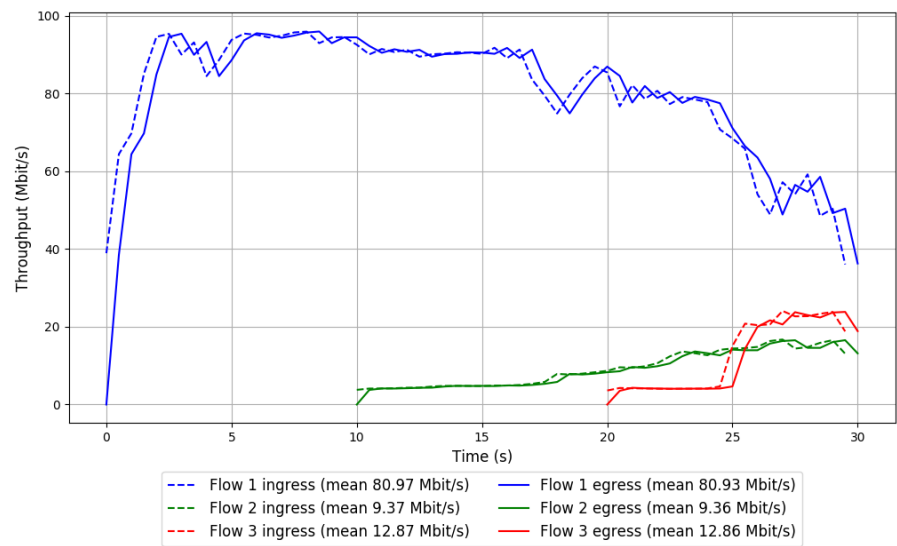


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-22 02:41:11
End at: 2018-08-22 02:41:41
Local clock offset: -5.749 ms
Remote clock offset: -2.237 ms

Below is generated by plot.py at 2018-08-22 05:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.39 Mbit/s
95th percentile per-packet one-way delay: 9.873 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.93 Mbit/s
95th percentile per-packet one-way delay: 8.168 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 23.048 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 12.86 Mbit/s
95th percentile per-packet one-way delay: 33.066 ms
Loss rate: 0.12%

Run 1: Report of PCC-Allegro — Data Link

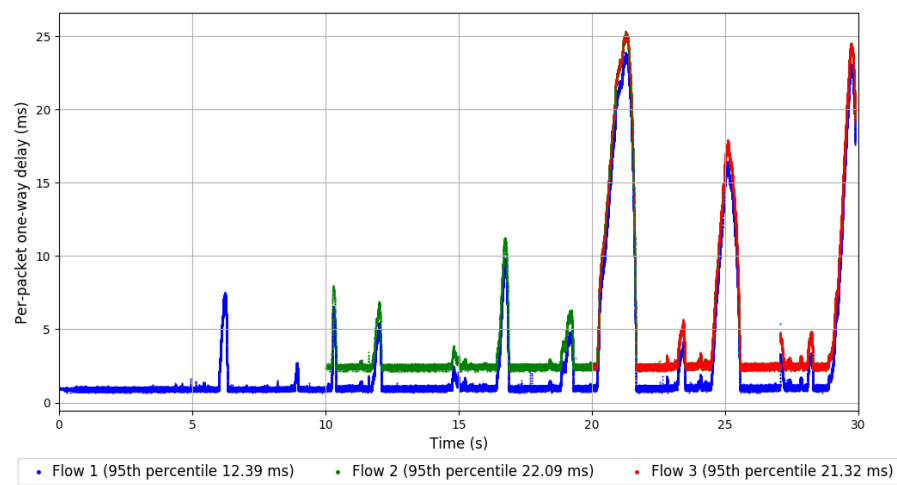
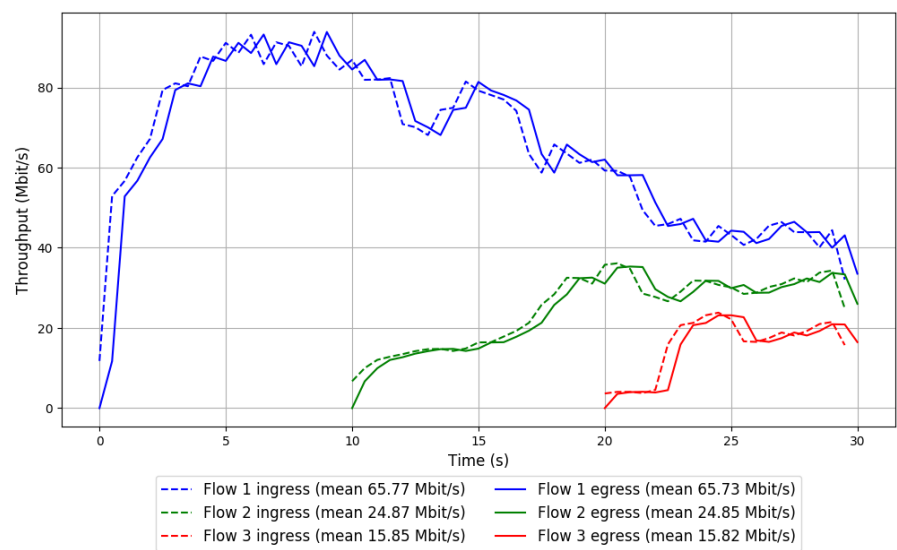


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-22 03:00:22
End at: 2018-08-22 03:00:52
Local clock offset: -2.693 ms
Remote clock offset: -1.627 ms

Below is generated by plot.py at 2018-08-22 05:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.47 Mbit/s
95th percentile per-packet one-way delay: 16.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 12.392 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: 22.088 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 21.319 ms
Loss rate: 0.01%

Run 2: Report of PCC-Allegro — Data Link

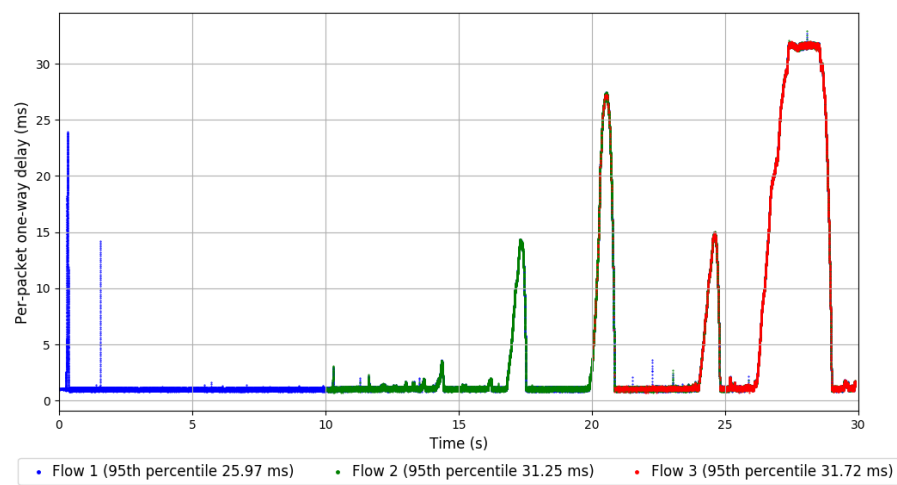
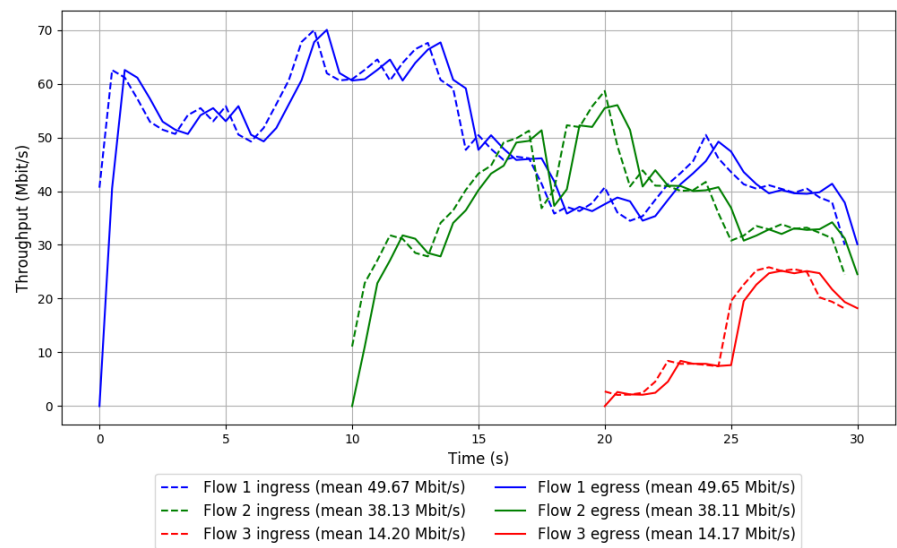


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-22 03:19:33
End at: 2018-08-22 03:20:03
Local clock offset: -2.952 ms
Remote clock offset: -1.123 ms

Below is generated by plot.py at 2018-08-22 05:54:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 30.235 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 49.65 Mbit/s
95th percentile per-packet one-way delay: 25.966 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 38.11 Mbit/s
95th percentile per-packet one-way delay: 31.248 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 31.716 ms
Loss rate: 0.27%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-22 03:38:44

End at: 2018-08-22 03:39:14

Local clock offset: -3.402 ms

Remote clock offset: -11.424 ms

Below is generated by plot.py at 2018-08-22 05:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.35 Mbit/s

95th percentile per-packet one-way delay: 6.339 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 75.54 Mbit/s

95th percentile per-packet one-way delay: 5.823 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.40 Mbit/s

95th percentile per-packet one-way delay: 8.619 ms

Loss rate: 0.01%

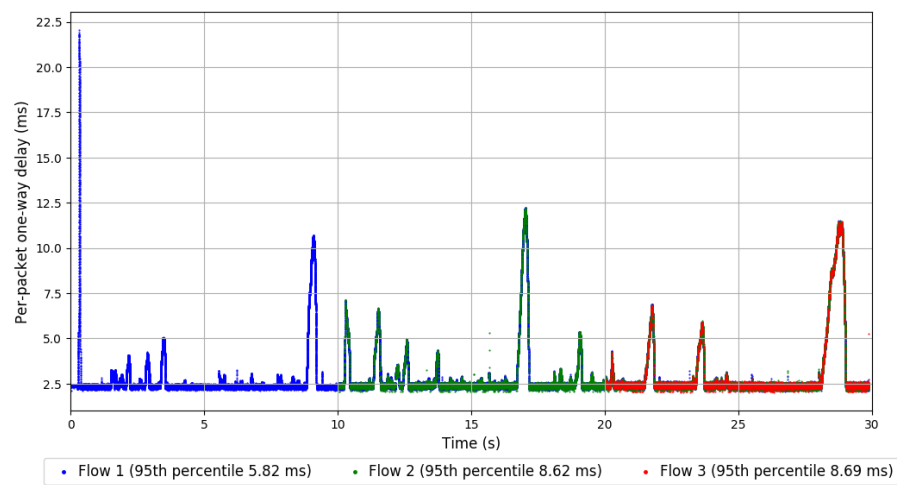
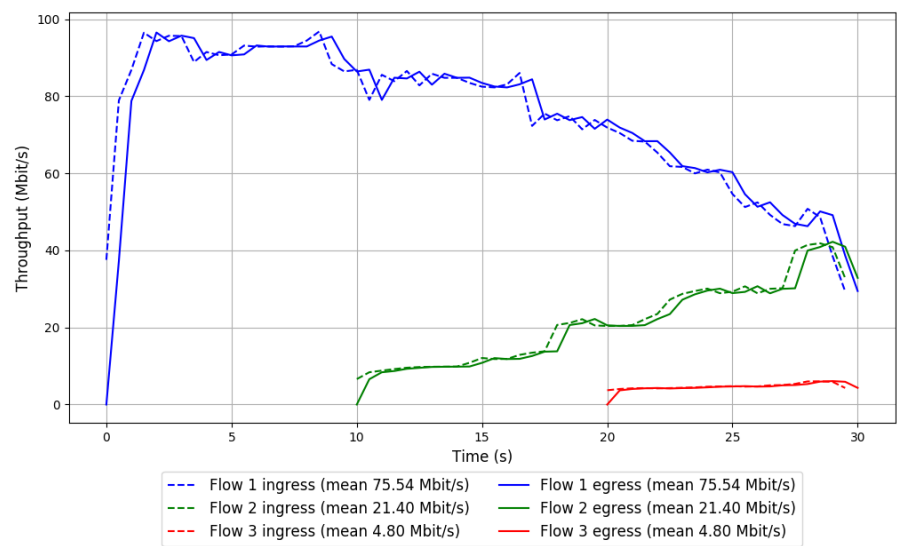
-- Flow 3:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 8.693 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-22 03:57:54

End at: 2018-08-22 03:58:24

Local clock offset: -7.155 ms

Remote clock offset: -14.873 ms

Below is generated by plot.py at 2018-08-22 05:54:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 4.399 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 4.370 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.59 Mbit/s

95th percentile per-packet one-way delay: 4.525 ms

Loss rate: 0.01%

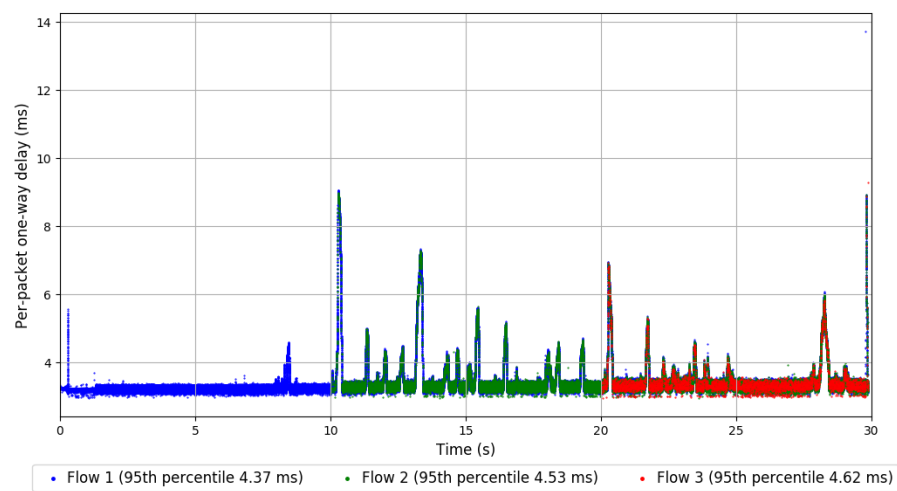
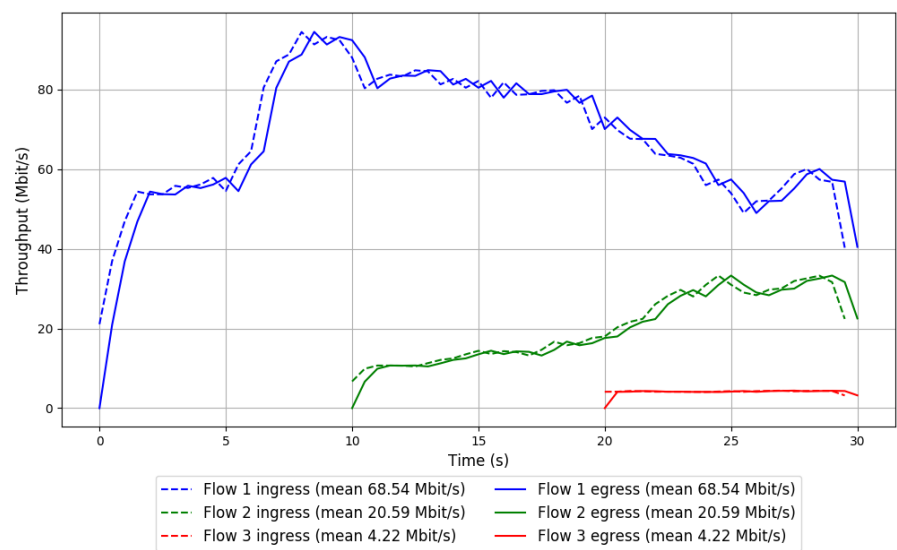
-- Flow 3:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 4.623 ms

Loss rate: 0.03%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-22 04:17:04

End at: 2018-08-22 04:17:34

Local clock offset: -4.14 ms

Remote clock offset: -17.434 ms

Below is generated by plot.py at 2018-08-22 05:54:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 4.087 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.93 Mbit/s

95th percentile per-packet one-way delay: 3.931 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 3.159 ms

Loss rate: 0.00%

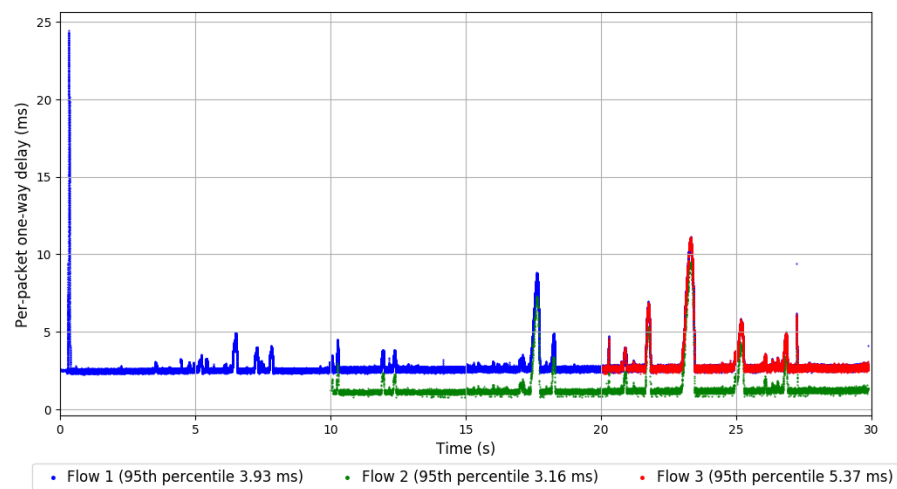
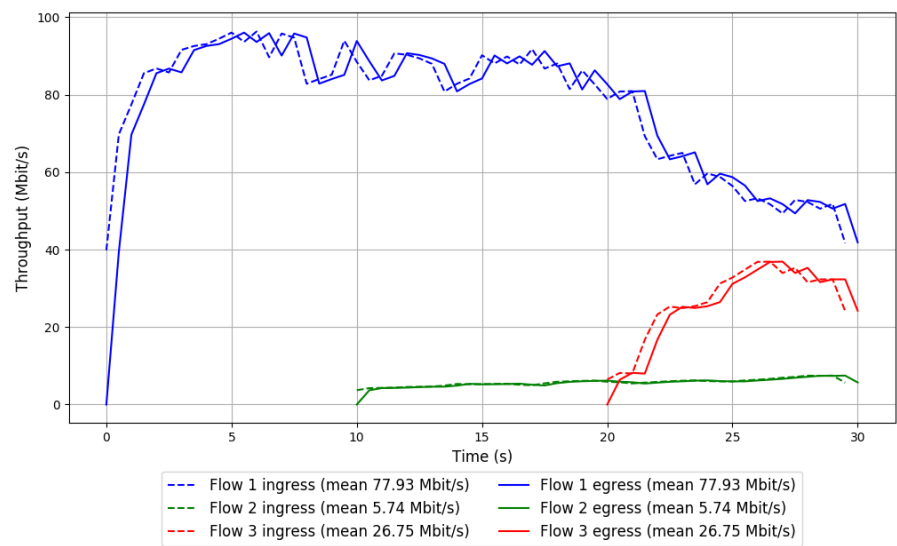
-- Flow 3:

Average throughput: 26.75 Mbit/s

95th percentile per-packet one-way delay: 5.369 ms

Loss rate: 0.01%

Run 6: Report of PCC-Allegro — Data Link

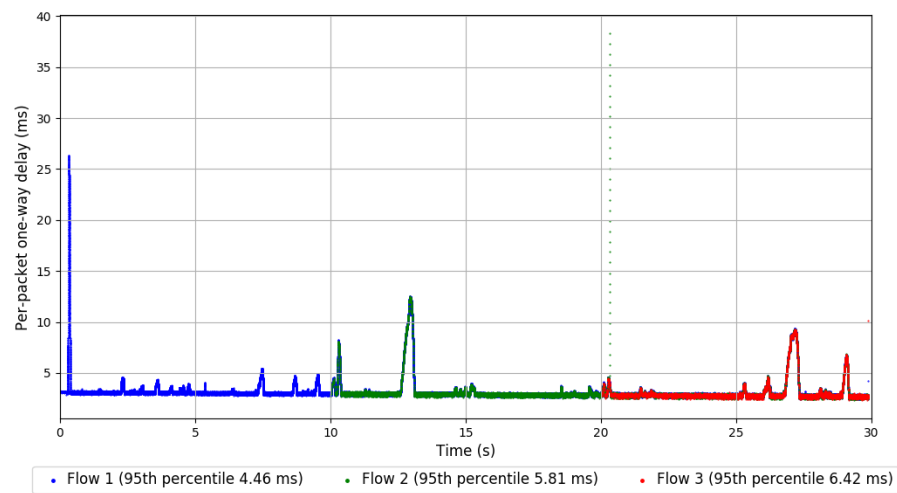
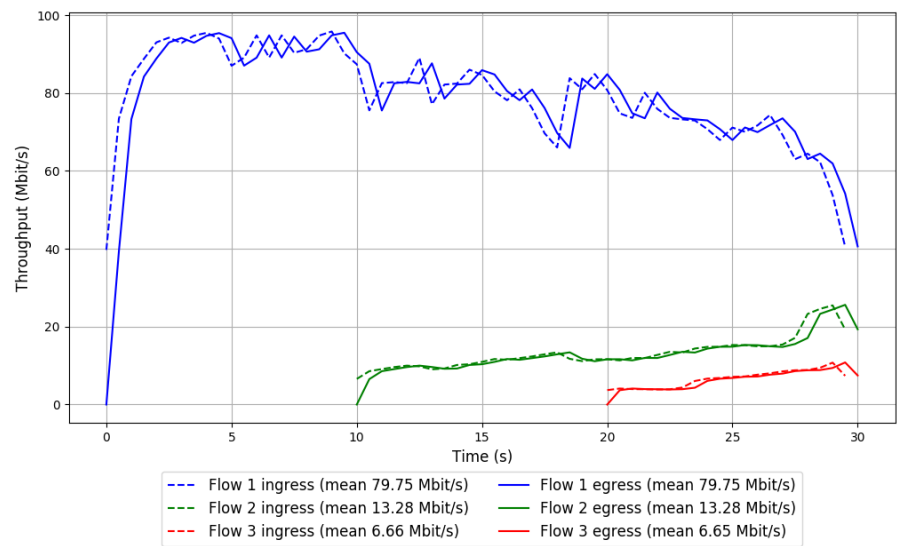


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-22 04:36:15
End at: 2018-08-22 04:36:45
Local clock offset: -3.454 ms
Remote clock offset: -9.021 ms

```
# Below is generated by plot.py at 2018-08-22 05:55:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.76 Mbit/s
95th percentile per-packet one-way delay: 4.549 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.75 Mbit/s
95th percentile per-packet one-way delay: 4.460 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 5.814 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 6.425 ms
Loss rate: 0.00%
```


Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-22 04:55:26

End at: 2018-08-22 04:55:56

Local clock offset: -3.306 ms

Remote clock offset: 0.971 ms

Below is generated by plot.py at 2018-08-22 05:55:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.95 Mbit/s

95th percentile per-packet one-way delay: 8.103 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 6.635 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.79 Mbit/s

95th percentile per-packet one-way delay: 14.832 ms

Loss rate: 0.00%

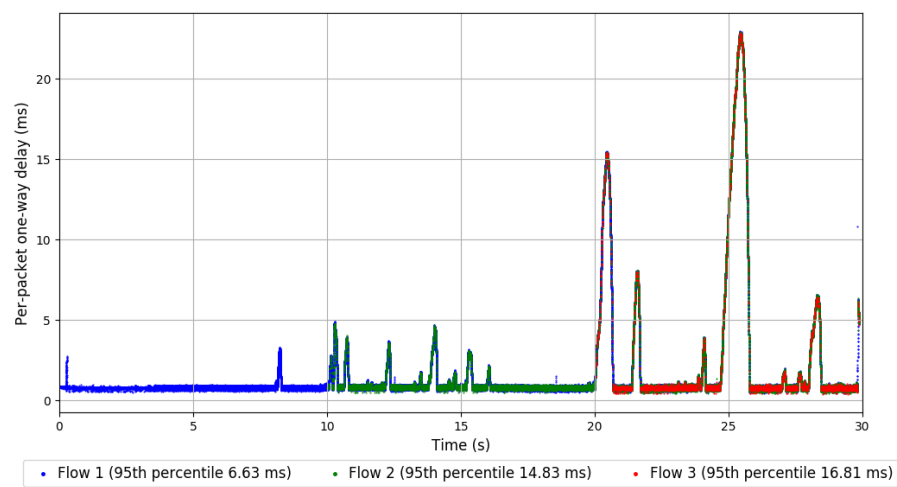
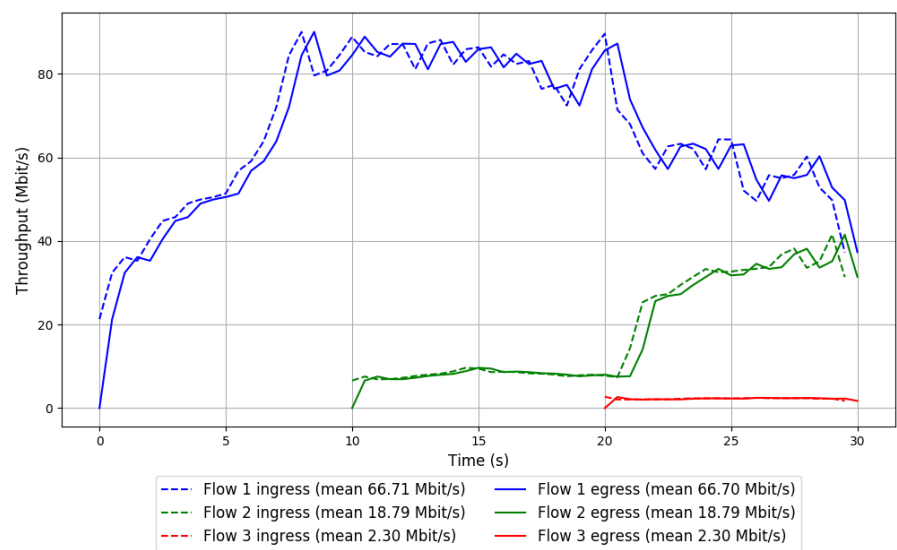
-- Flow 3:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 16.811 ms

Loss rate: 0.00%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-08-22 05:14:36

End at: 2018-08-22 05:15:06

Local clock offset: -3.766 ms

Remote clock offset: 3.395 ms

Below is generated by plot.py at 2018-08-22 05:55:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.68 Mbit/s

95th percentile per-packet one-way delay: 29.709 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 65.83 Mbit/s

95th percentile per-packet one-way delay: 18.840 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 27.43 Mbit/s

95th percentile per-packet one-way delay: 31.423 ms

Loss rate: 0.16%

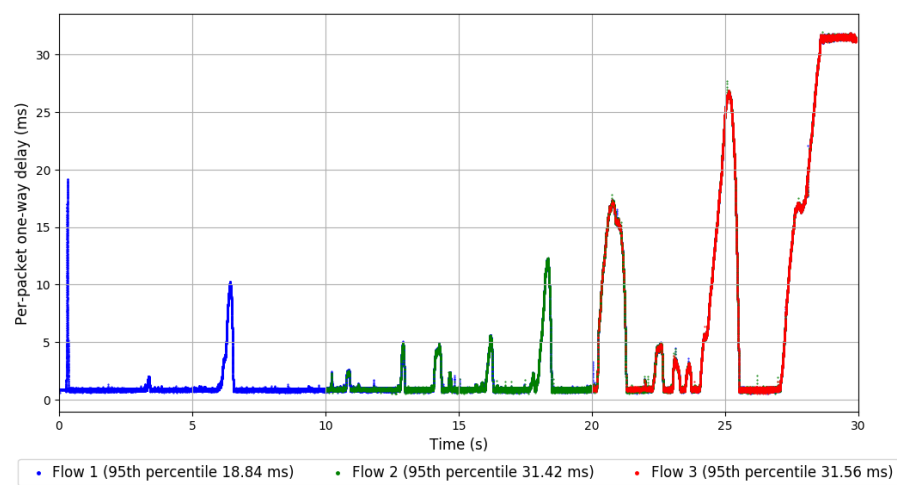
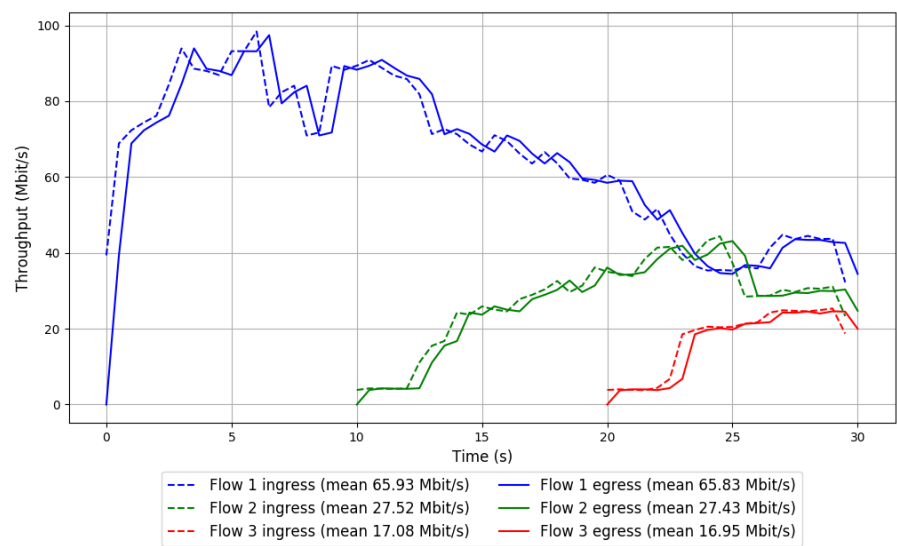
-- Flow 3:

Average throughput: 16.95 Mbit/s

95th percentile per-packet one-way delay: 31.558 ms

Loss rate: 0.40%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-08-22 05:33:46

End at: 2018-08-22 05:34:16

Local clock offset: -4.851 ms

Remote clock offset: 5.922 ms

Below is generated by plot.py at 2018-08-22 05:55:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.12 Mbit/s

95th percentile per-packet one-way delay: 8.464 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 77.54 Mbit/s

95th percentile per-packet one-way delay: 6.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.66 Mbit/s

95th percentile per-packet one-way delay: 18.314 ms

Loss rate: 0.00%

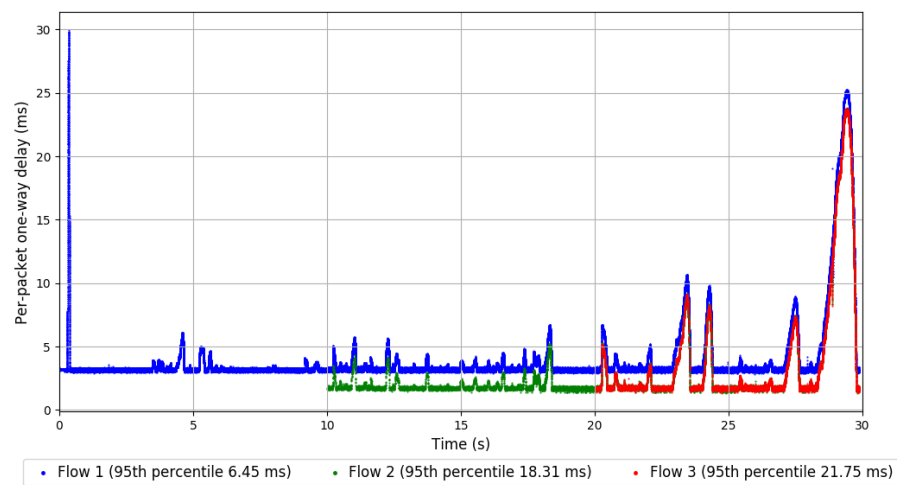
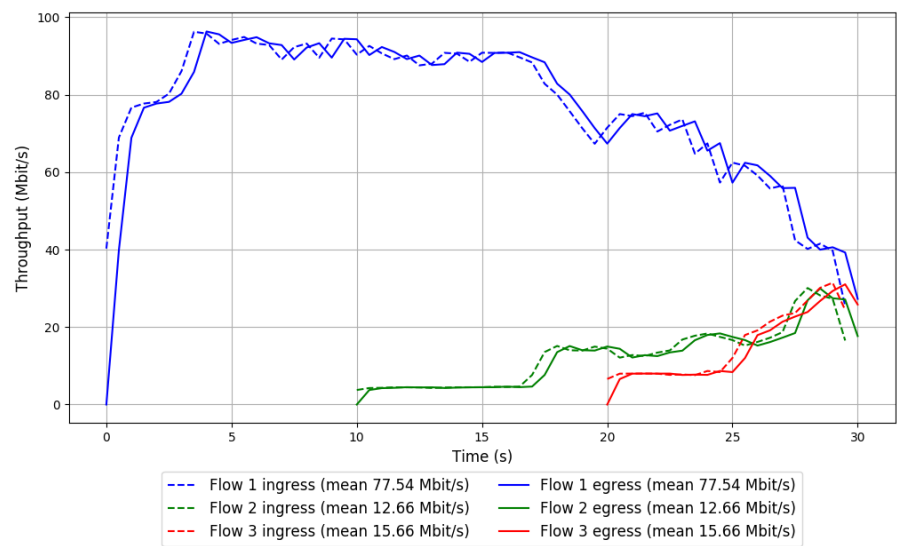
-- Flow 3:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 21.748 ms

Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

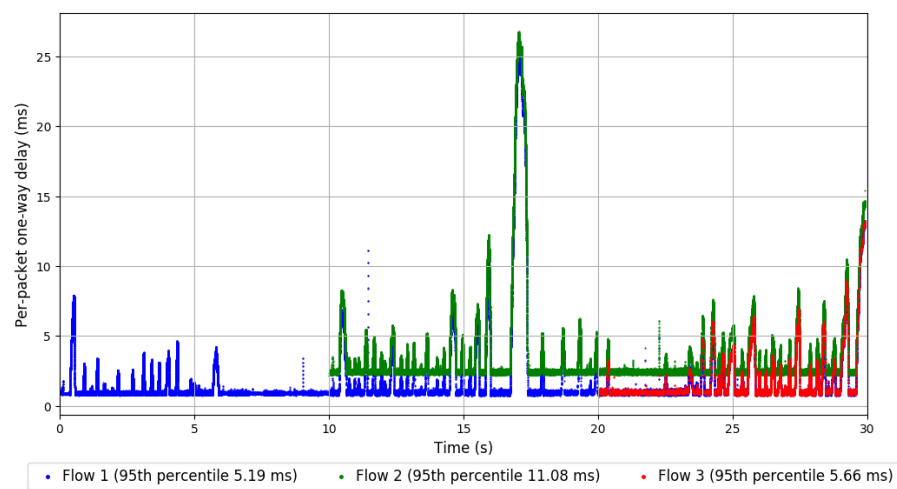
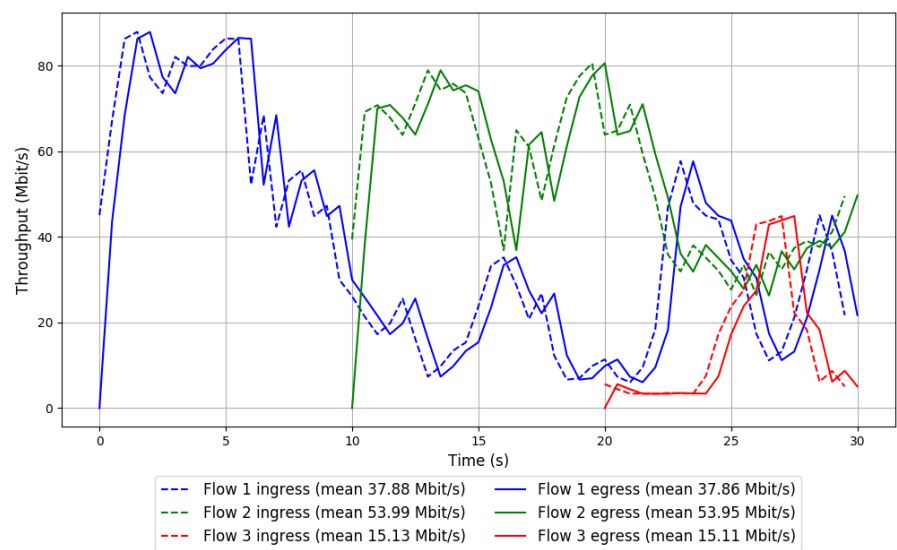


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-22 02:27:43
End at: 2018-08-22 02:28:13
Local clock offset: -6.181 ms
Remote clock offset: -2.354 ms

# Below is generated by plot.py at 2018-08-22 05:56:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: 7.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 5.189 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.95 Mbit/s
95th percentile per-packet one-way delay: 11.078 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 15.11 Mbit/s
95th percentile per-packet one-way delay: 5.661 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-08-22 02:46:54

End at: 2018-08-22 02:47:24

Local clock offset: -4.69 ms

Remote clock offset: -2.13 ms

Below is generated by plot.py at 2018-08-22 05:56:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.94 Mbit/s

95th percentile per-packet one-way delay: 11.952 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 6.665 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 19.166 ms

Loss rate: 0.12%

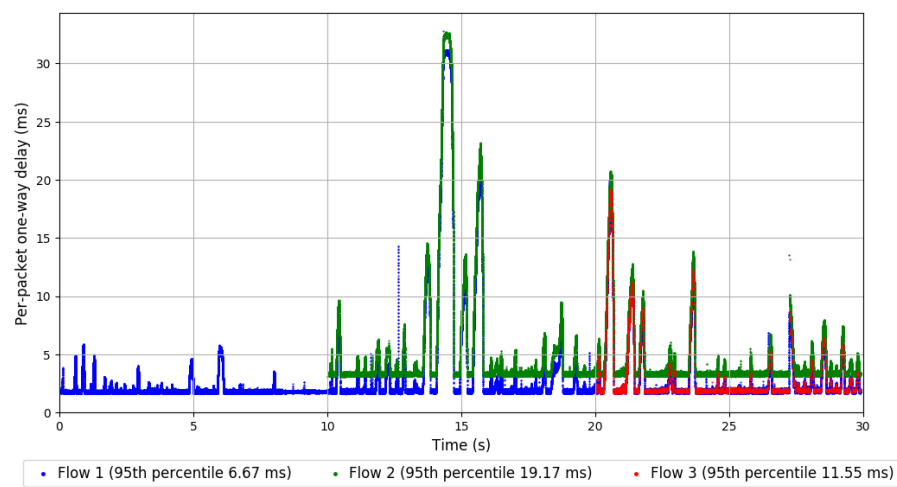
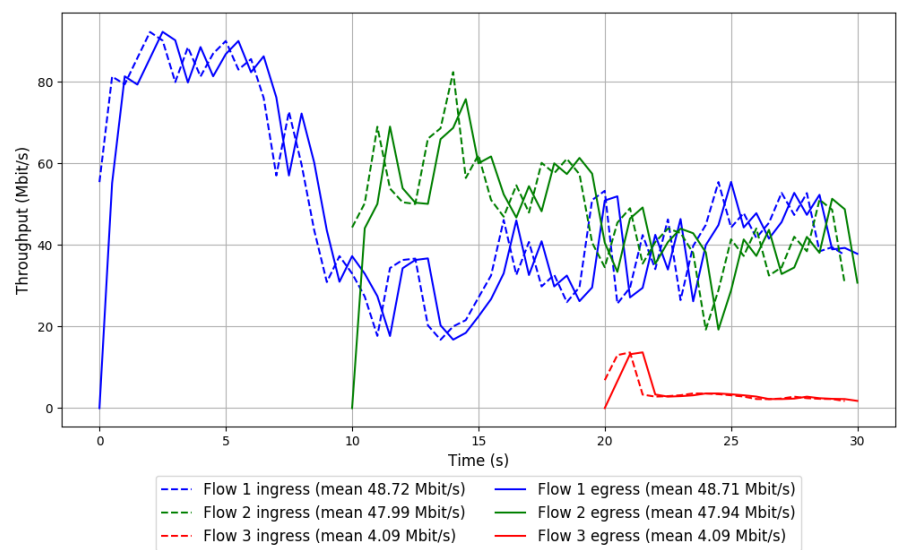
-- Flow 3:

Average throughput: 4.09 Mbit/s

95th percentile per-packet one-way delay: 11.546 ms

Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

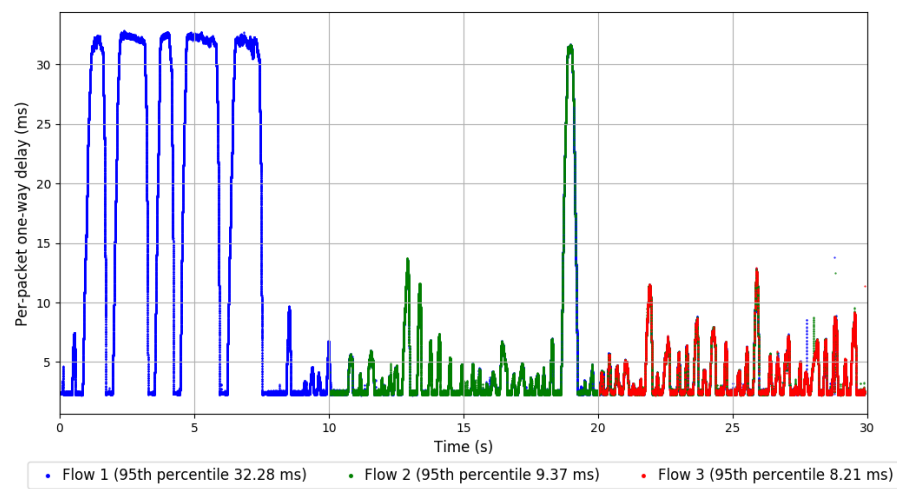
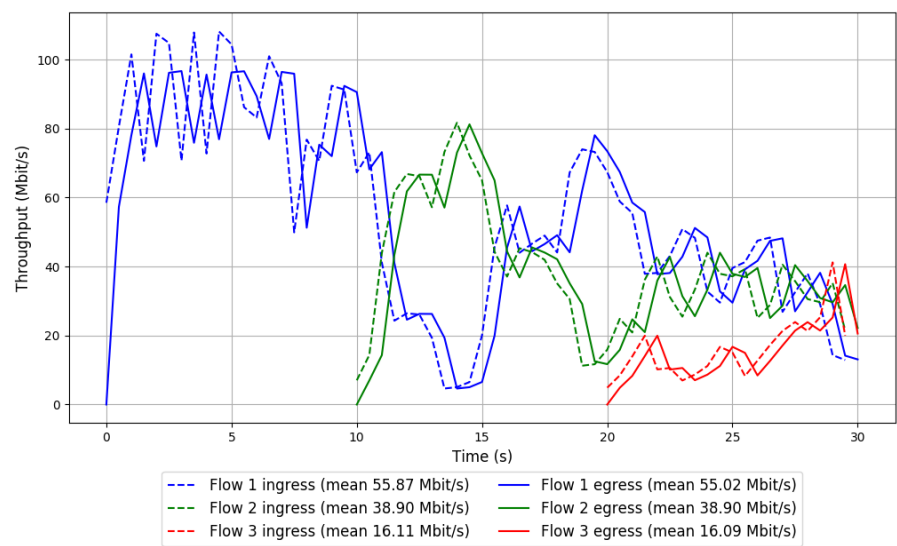


Run 3: Statistics of PCC-Expr

Start at: 2018-08-22 03:06:06
End at: 2018-08-22 03:06:36
Local clock offset: -2.3 ms
Remote clock offset: -1.425 ms

Below is generated by plot.py at 2018-08-22 05:56:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 32.134 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 32.280 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 38.90 Mbit/s
95th percentile per-packet one-way delay: 9.366 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 8.205 ms
Loss rate: 0.02%

Run 3: Report of PCC-Expr — Data Link

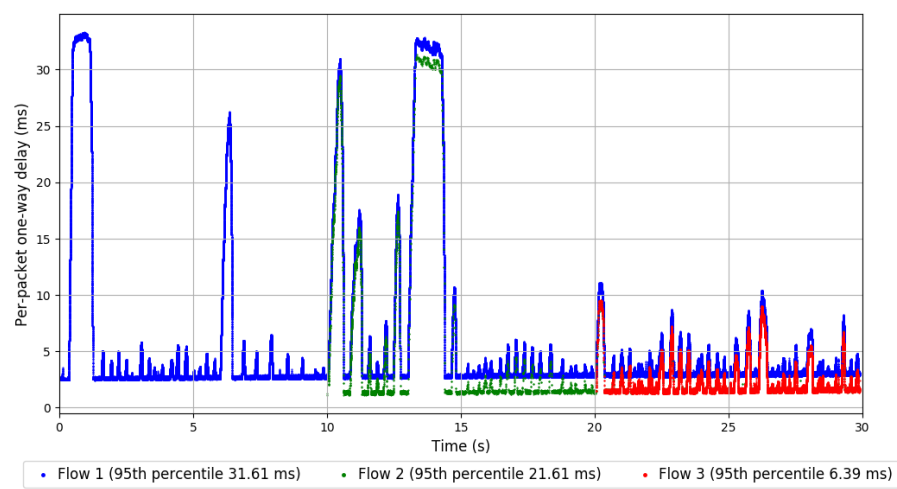
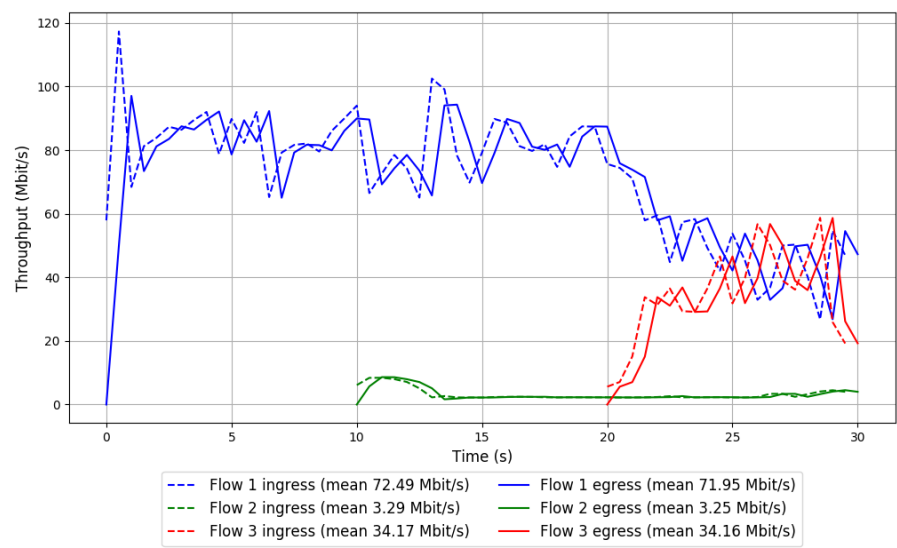


Run 4: Statistics of PCC-Expr

Start at: 2018-08-22 03:25:16
End at: 2018-08-22 03:25:46
Local clock offset: -2.925 ms
Remote clock offset: -5.053 ms

Below is generated by plot.py at 2018-08-22 05:56:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.39 Mbit/s
95th percentile per-packet one-way delay: 30.382 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 71.95 Mbit/s
95th percentile per-packet one-way delay: 31.613 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 21.611 ms
Loss rate: 1.07%
-- Flow 3:
Average throughput: 34.16 Mbit/s
95th percentile per-packet one-way delay: 6.394 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

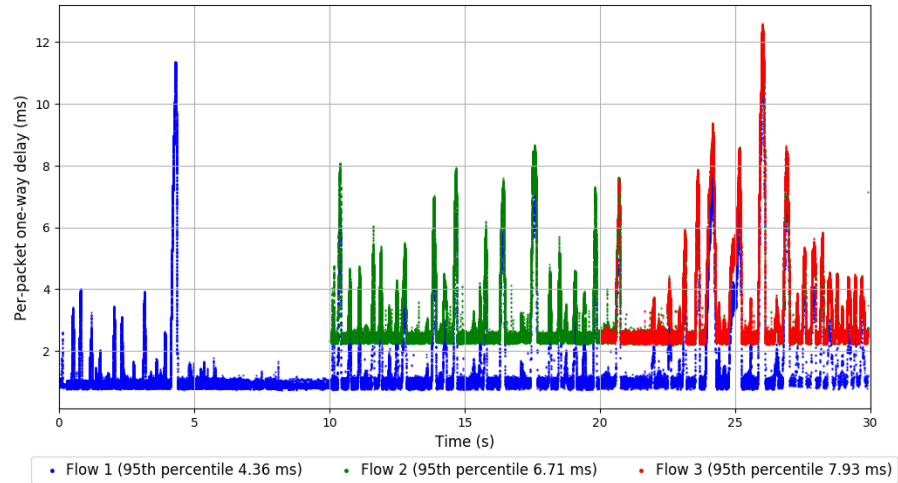
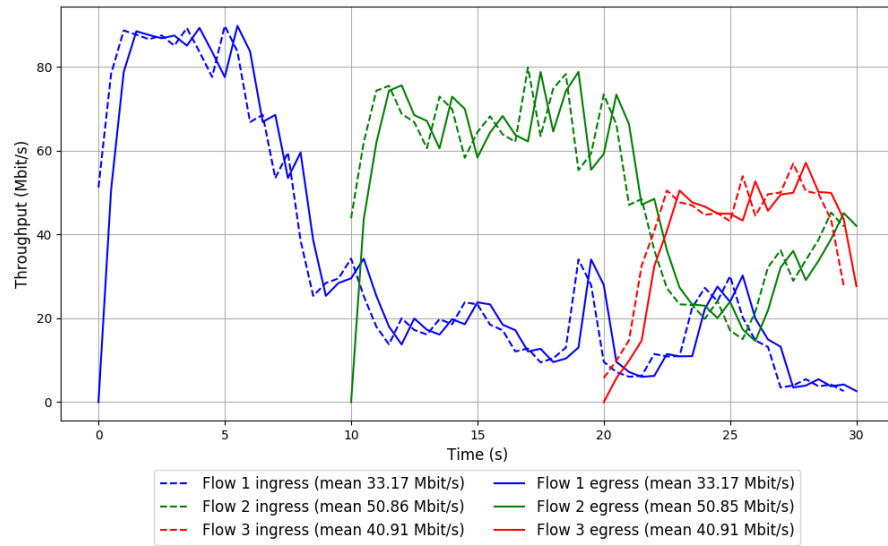


Run 5: Statistics of PCC-Expr

Start at: 2018-08-22 03:44:27
End at: 2018-08-22 03:44:57
Local clock offset: -4.934 ms
Remote clock offset: -12.767 ms

Below is generated by plot.py at 2018-08-22 05:56:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 6.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.17 Mbit/s
95th percentile per-packet one-way delay: 4.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.85 Mbit/s
95th percentile per-packet one-way delay: 6.706 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 40.91 Mbit/s
95th percentile per-packet one-way delay: 7.931 ms
Loss rate: 0.01%

Run 5: Report of PCC-Expr — Data Link

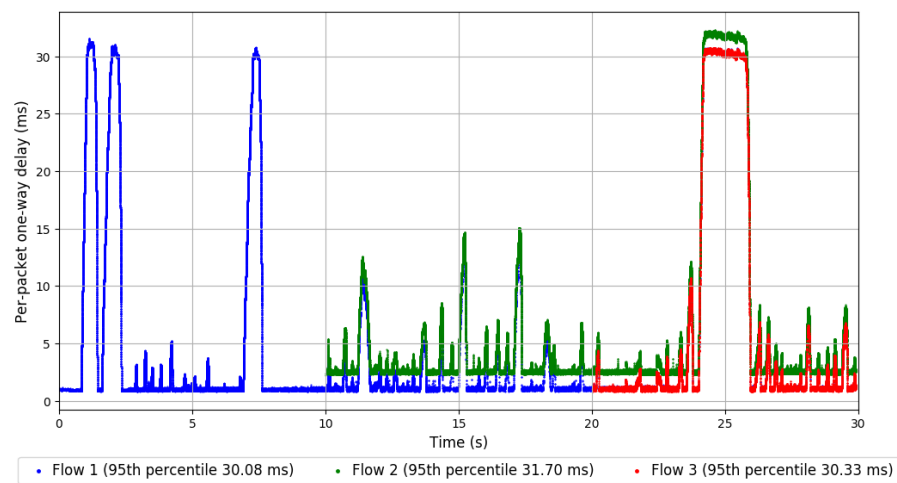
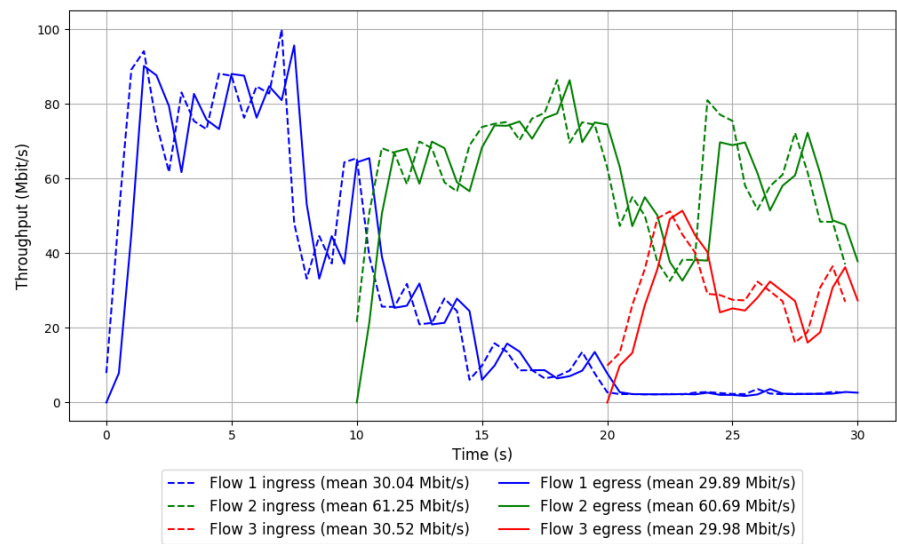


Run 6: Statistics of PCC-Expr

Start at: 2018-08-22 04:03:37
End at: 2018-08-22 04:04:07
Local clock offset: -6.673 ms
Remote clock offset: -15.657 ms

Below is generated by plot.py at 2018-08-22 05:56:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 30.577 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 30.082 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 60.69 Mbit/s
95th percentile per-packet one-way delay: 31.701 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 30.329 ms
Loss rate: 1.77%

Run 6: Report of PCC-Expr — Data Link

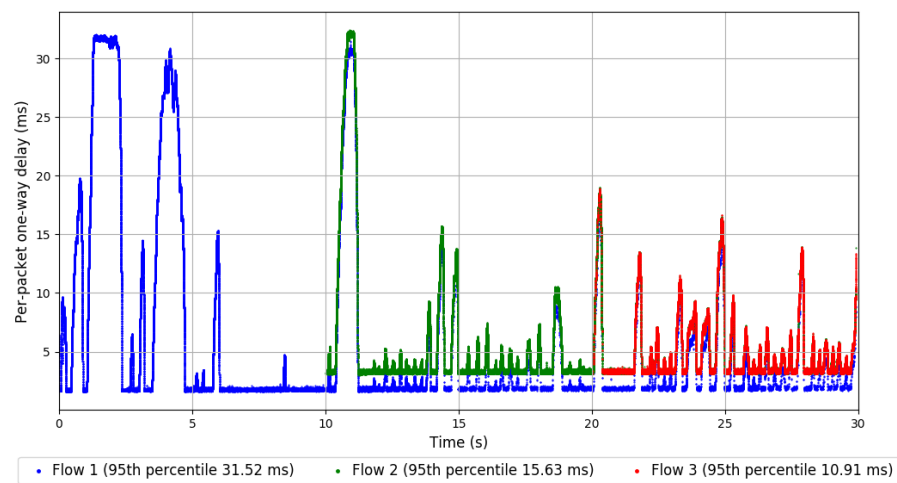
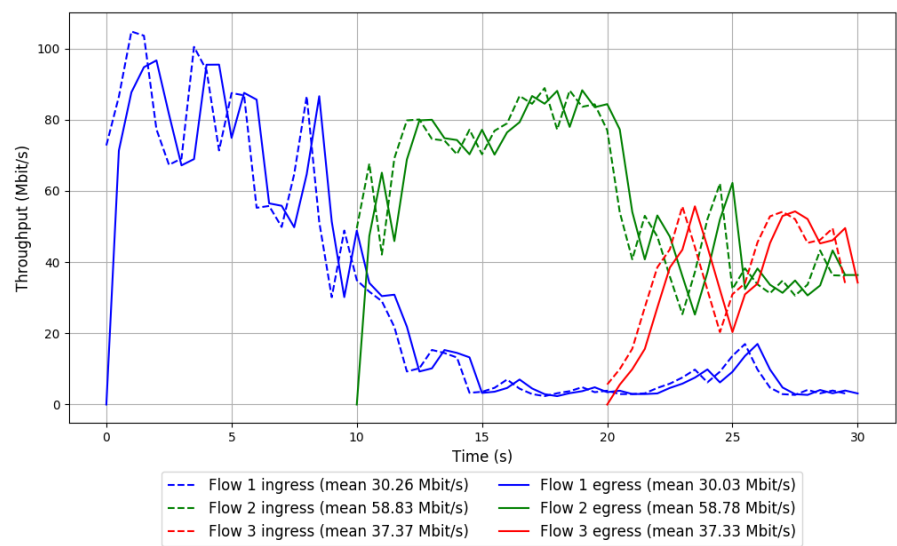


Run 7: Statistics of PCC-Expr

Start at: 2018-08-22 04:22:48
End at: 2018-08-22 04:23:18
Local clock offset: -4.202 ms
Remote clock offset: -18.176 ms

Below is generated by plot.py at 2018-08-22 05:57:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 28.686 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 30.03 Mbit/s
95th percentile per-packet one-way delay: 31.523 ms
Loss rate: 0.73%
-- Flow 2:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 15.632 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 37.33 Mbit/s
95th percentile per-packet one-way delay: 10.907 ms
Loss rate: 0.02%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-22 04:41:59

End at: 2018-08-22 04:42:29

Local clock offset: -2.987 ms

Remote clock offset: -4.53 ms

Below is generated by plot.py at 2018-08-22 05:57:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 23.535 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 64.22 Mbit/s

95th percentile per-packet one-way delay: 27.071 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 28.13 Mbit/s

95th percentile per-packet one-way delay: 11.897 ms

Loss rate: 0.54%

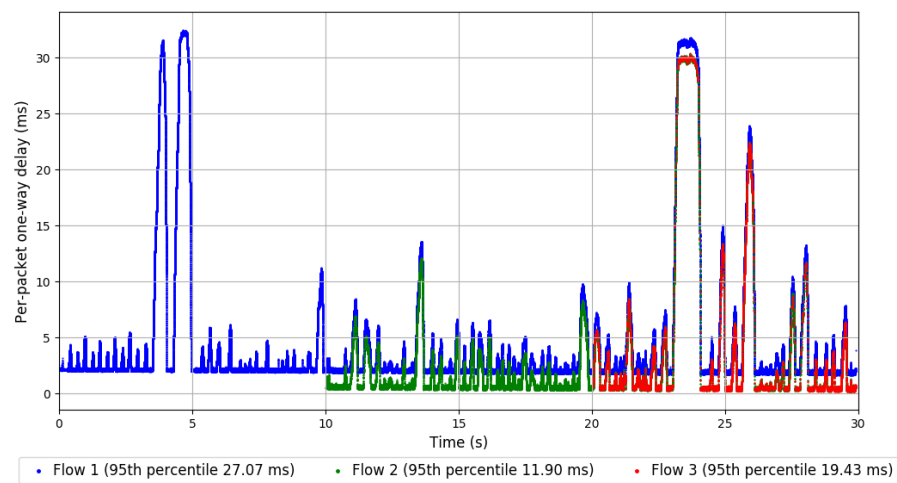
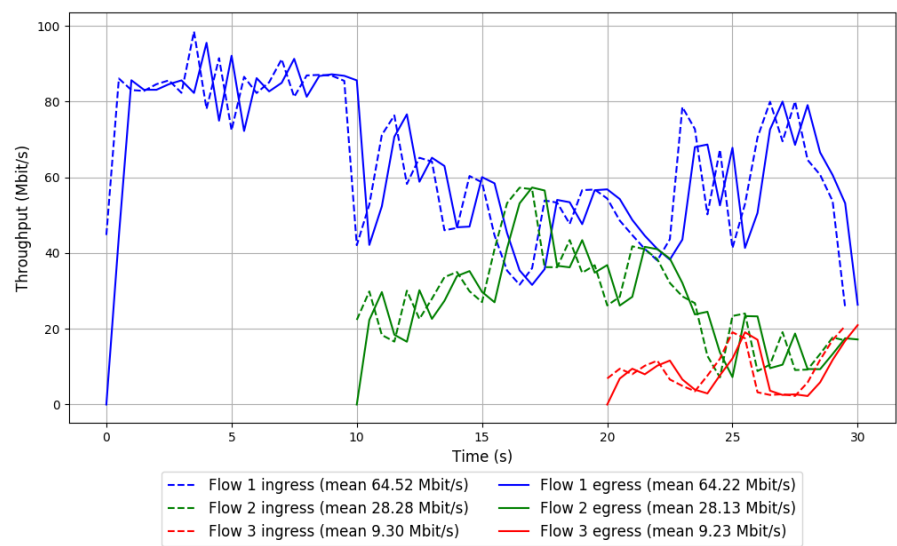
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 19.425 ms

Loss rate: 0.76%

Run 8: Report of PCC-Expr — Data Link

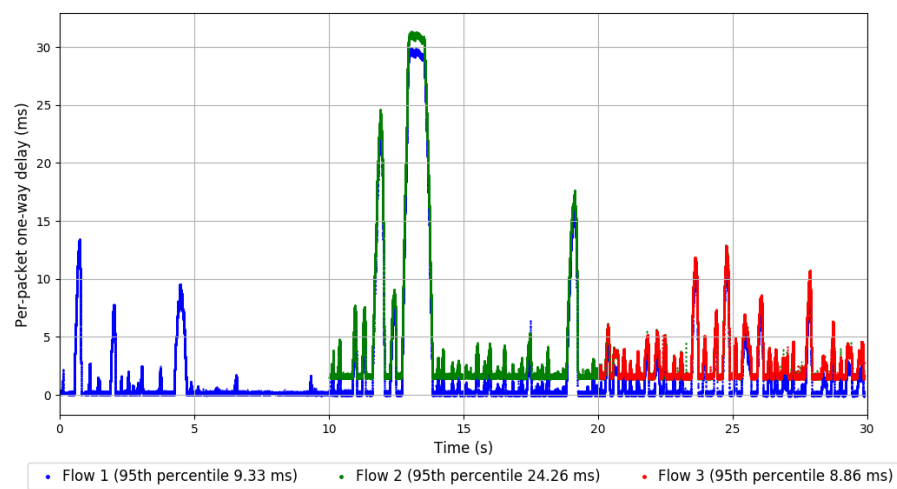
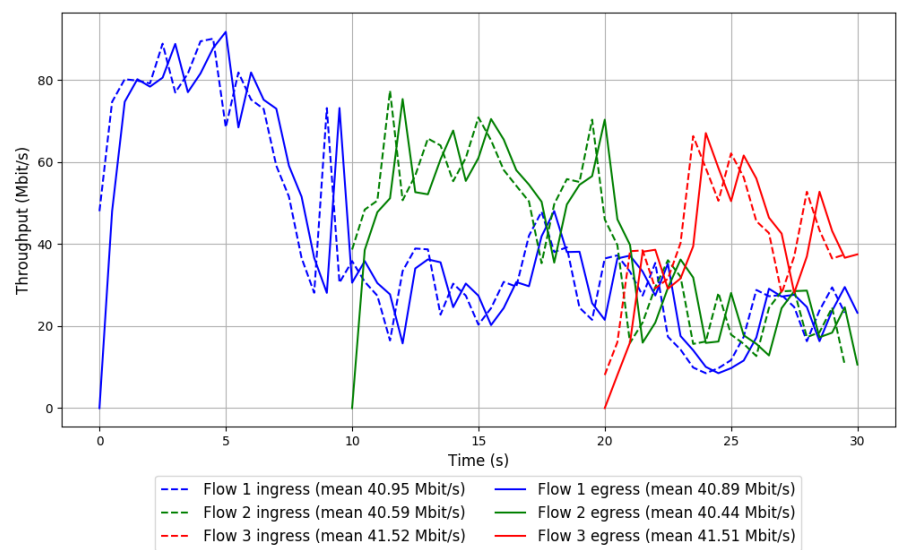


```
Run 9: Statistics of PCC-Expr

Start at: 2018-08-22 05:01:09
End at: 2018-08-22 05:01:39
Local clock offset: -2.538 ms
Remote clock offset: 2.406 ms

# Below is generated by plot.py at 2018-08-22 05:58:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: 14.212 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 9.330 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 24.262 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 8.864 ms
Loss rate: 0.01%
```


Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-08-22 05:20:19

End at: 2018-08-22 05:20:49

Local clock offset: -4.771 ms

Remote clock offset: 4.102 ms

Below is generated by plot.py at 2018-08-22 05:58:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 14.357 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 12.121 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 39.36 Mbit/s

95th percentile per-packet one-way delay: 15.613 ms

Loss rate: 0.05%

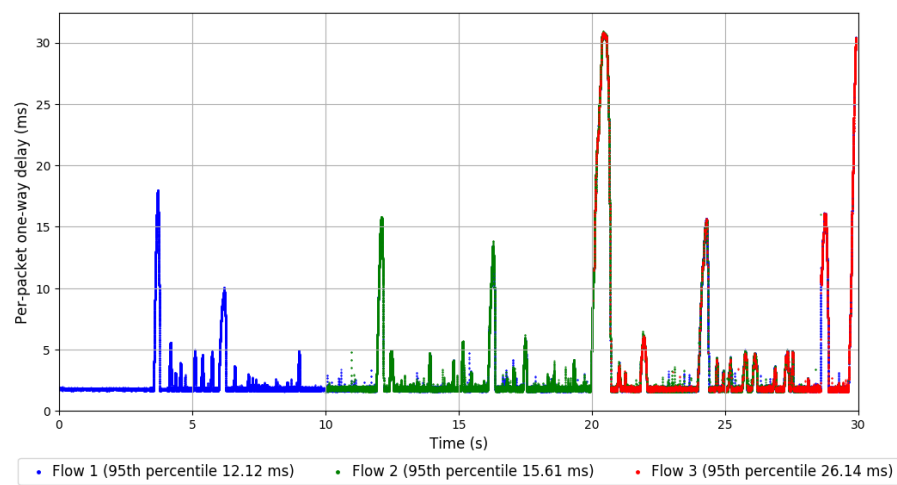
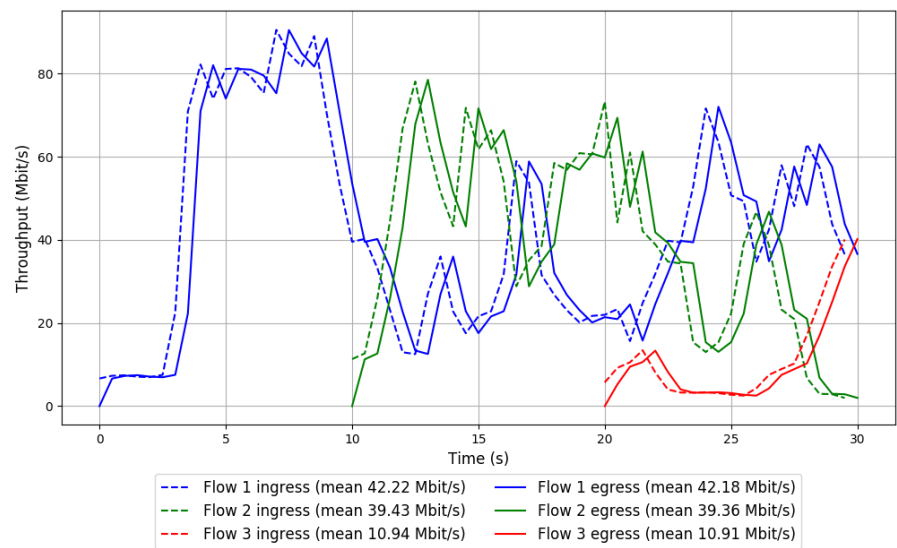
-- Flow 3:

Average throughput: 10.91 Mbit/s

95th percentile per-packet one-way delay: 26.143 ms

Loss rate: 0.05%

Run 10: Report of PCC-Expr — Data Link

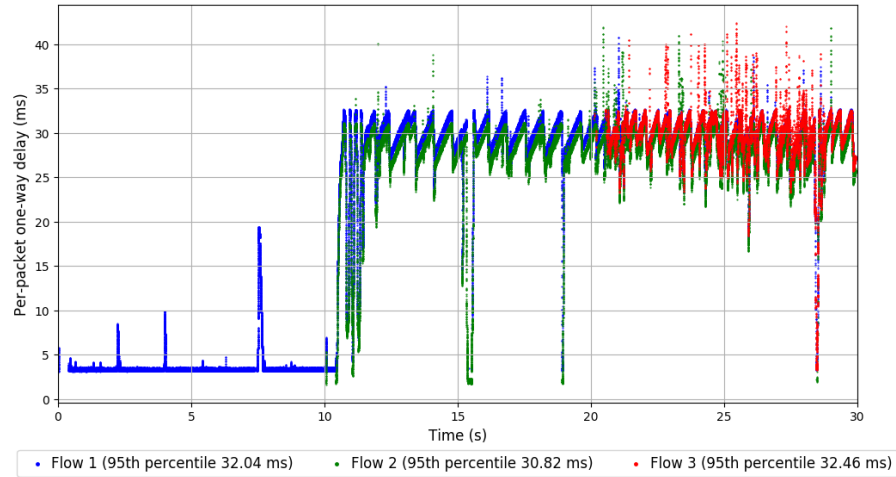
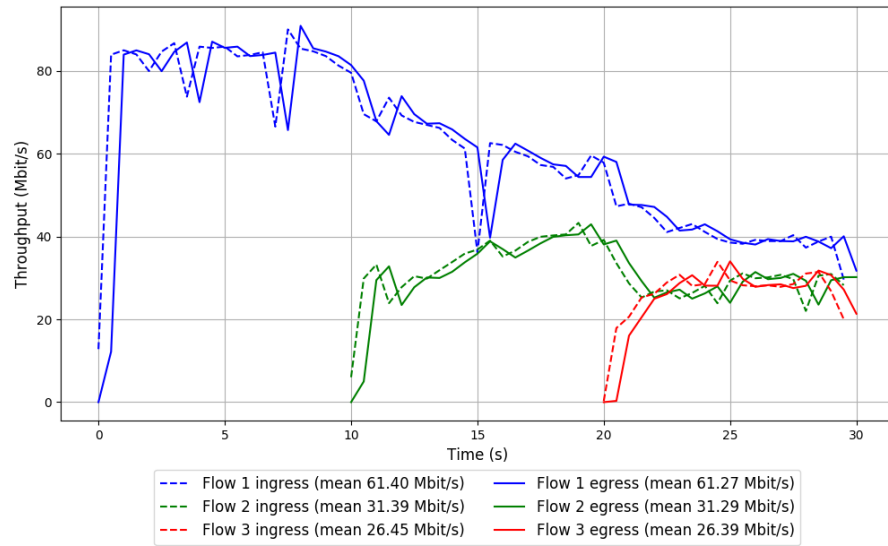


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-22 02:38:55
End at: 2018-08-22 02:39:25
Local clock offset: -6.273 ms
Remote clock offset: -2.166 ms

Below is generated by plot.py at 2018-08-22 05:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 32.033 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 32.041 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 30.818 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 26.39 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.26%

Run 1: Report of QUIC Cubic — Data Link

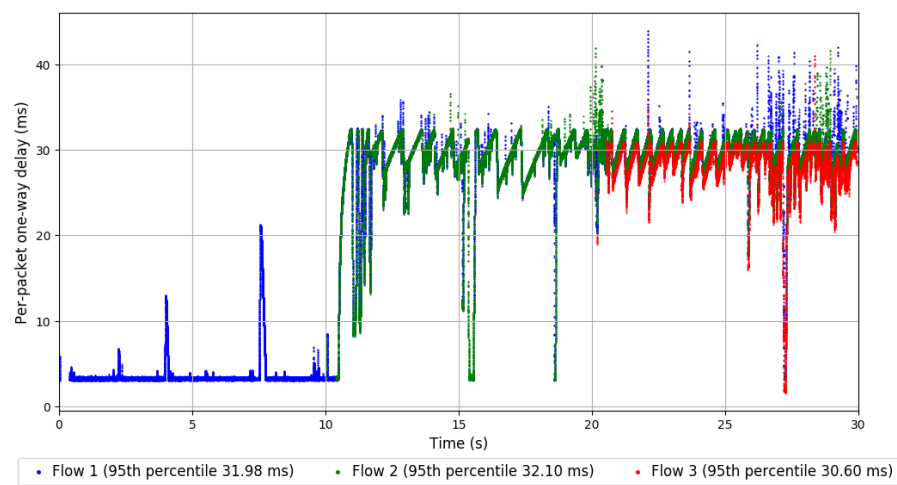
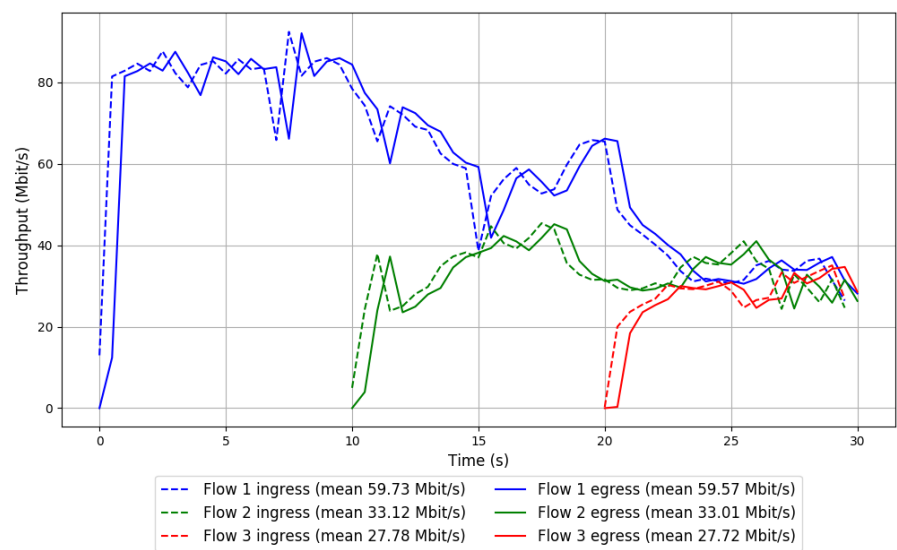


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-22 02:58:06
End at: 2018-08-22 02:58:36
Local clock offset: -3.562 ms
Remote clock offset: -1.595 ms

Below is generated by plot.py at 2018-08-22 05:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.63 Mbit/s
95th percentile per-packet one-way delay: 32.000 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 59.57 Mbit/s
95th percentile per-packet one-way delay: 31.982 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 32.101 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 27.72 Mbit/s
95th percentile per-packet one-way delay: 30.598 ms
Loss rate: 0.21%

Run 2: Report of QUIC Cubic — Data Link

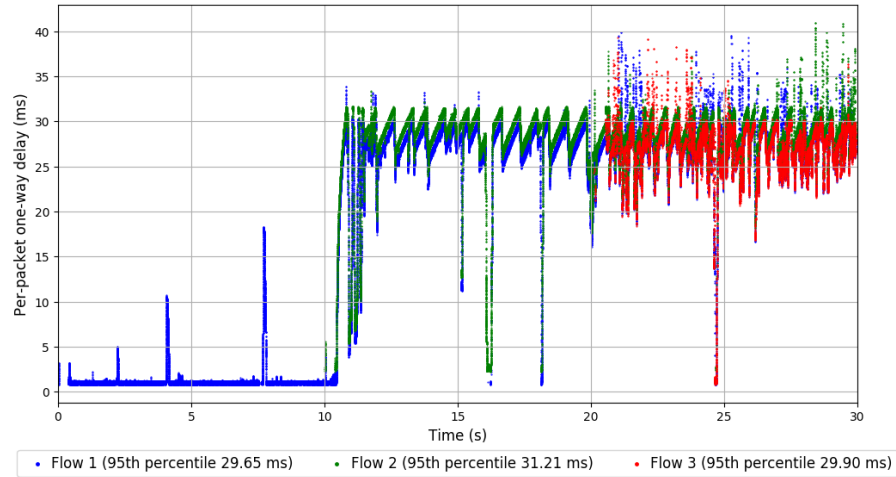
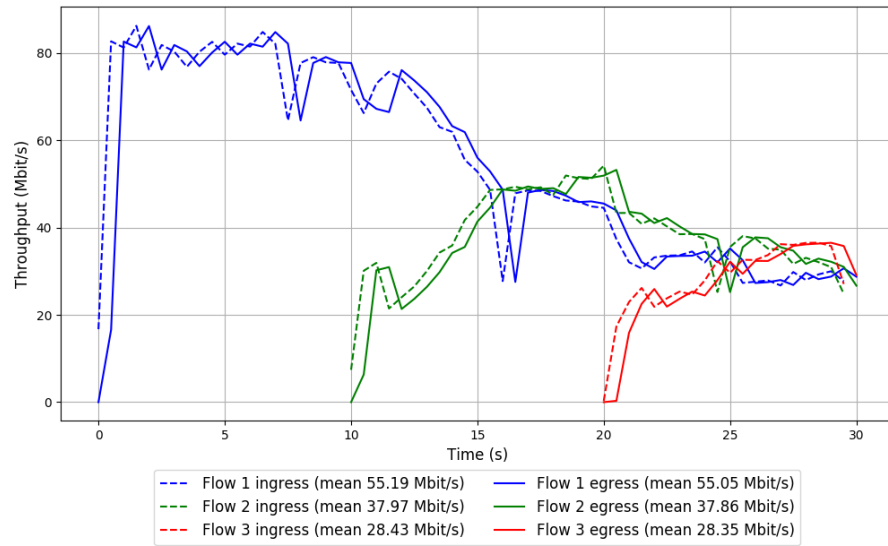


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-22 03:17:17
End at: 2018-08-22 03:17:47
Local clock offset: -2.873 ms
Remote clock offset: -1.139 ms

Below is generated by plot.py at 2018-08-22 05:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.57 Mbit/s
95th percentile per-packet one-way delay: 30.717 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 29.648 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 28.35 Mbit/s
95th percentile per-packet one-way delay: 29.896 ms
Loss rate: 0.25%

Run 3: Report of QUIC Cubic — Data Link

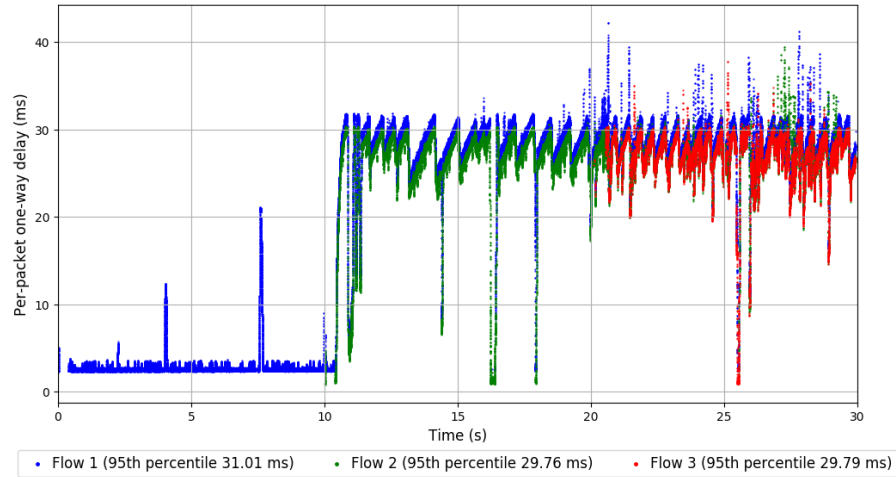
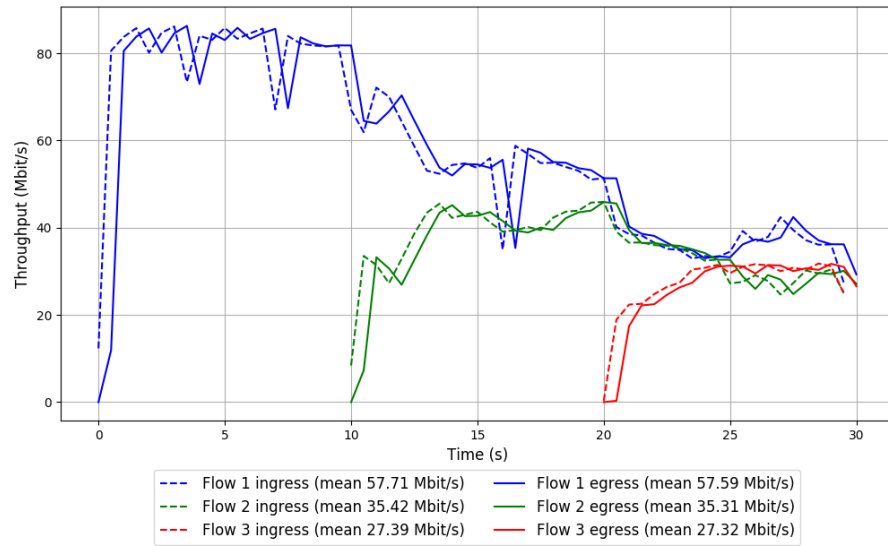


Run 4: Statistics of QUIC Cubic

Start at: 2018-08-22 03:36:28
End at: 2018-08-22 03:36:58
Local clock offset: -2.772 ms
Remote clock offset: -10.805 ms

Below is generated by plot.py at 2018-08-22 05:58:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.06 Mbit/s
95th percentile per-packet one-way delay: 30.776 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 57.59 Mbit/s
95th percentile per-packet one-way delay: 31.012 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 29.759 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 27.32 Mbit/s
95th percentile per-packet one-way delay: 29.792 ms
Loss rate: 0.25%

Run 4: Report of QUIC Cubic — Data Link

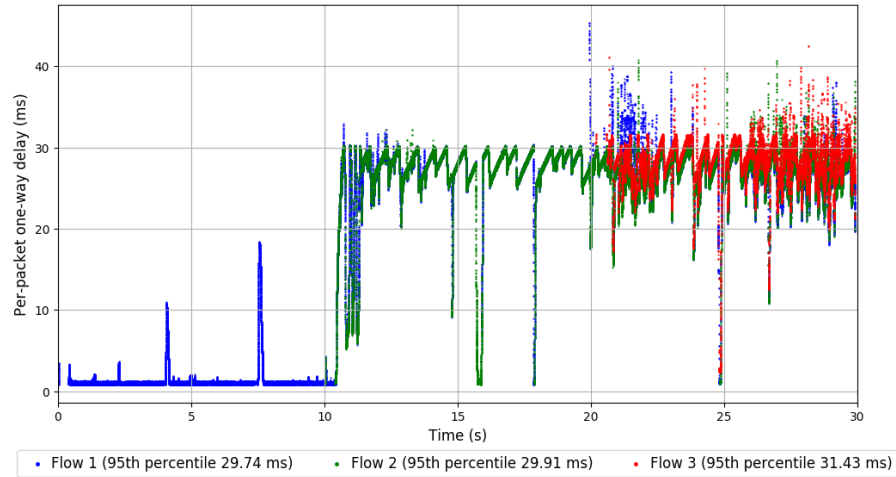
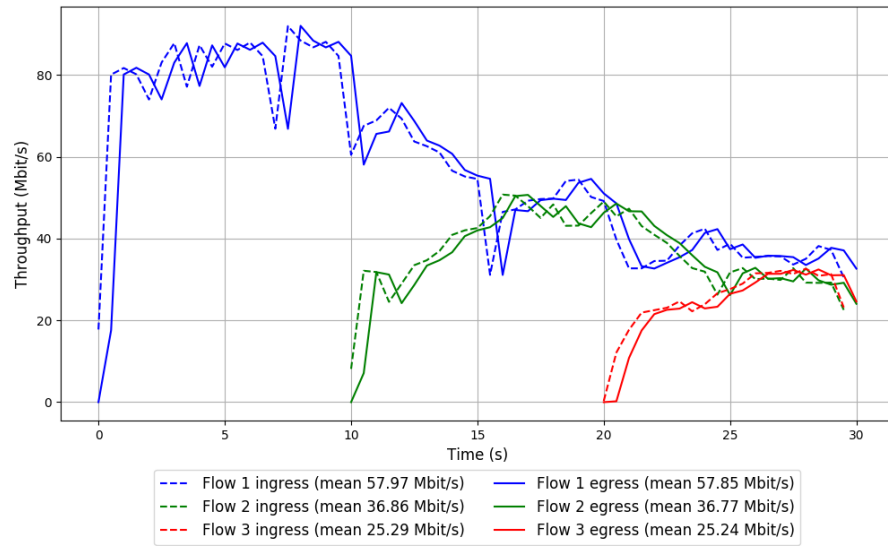


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-22 03:55:38
End at: 2018-08-22 03:56:08
Local clock offset: -6.309 ms
Remote clock offset: -14.626 ms

Below is generated by plot.py at 2018-08-22 05:58:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 29.968 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 29.740 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 36.77 Mbit/s
95th percentile per-packet one-way delay: 29.907 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 25.24 Mbit/s
95th percentile per-packet one-way delay: 31.427 ms
Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link

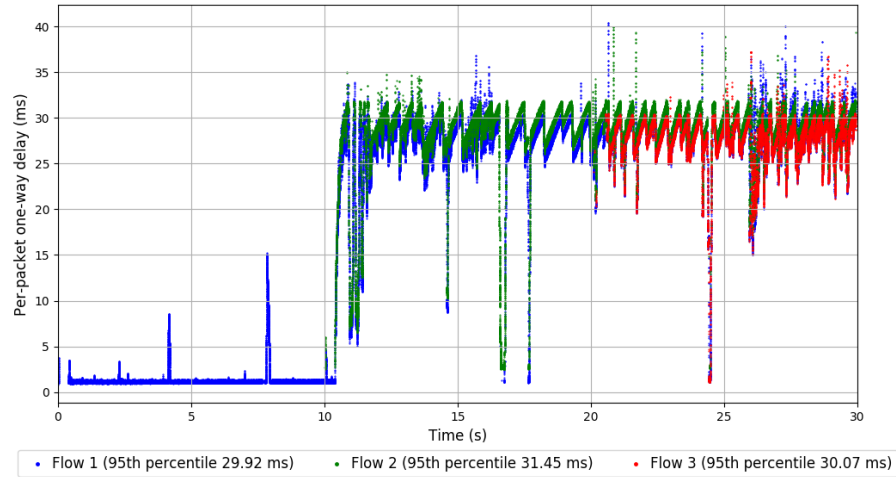
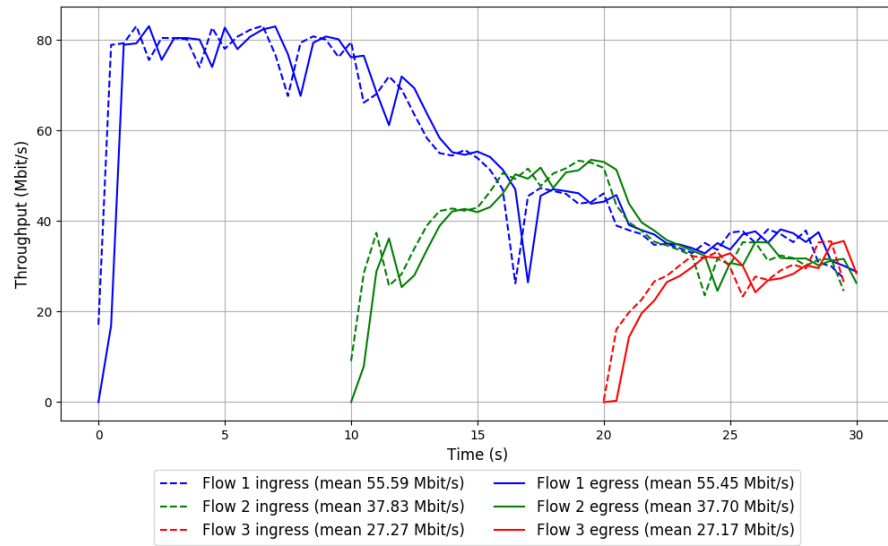


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-22 04:14:49
End at: 2018-08-22 04:15:19
Local clock offset: -4.528 ms
Remote clock offset: -17.09 ms

```
# Below is generated by plot.py at 2018-08-22 05:58:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.43 Mbit/s
95th percentile per-packet one-way delay: 30.975 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 55.45 Mbit/s
95th percentile per-packet one-way delay: 29.916 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 37.70 Mbit/s
95th percentile per-packet one-way delay: 31.447 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.17 Mbit/s
95th percentile per-packet one-way delay: 30.071 ms
Loss rate: 0.30%
```

Run 6: Report of QUIC Cubic — Data Link

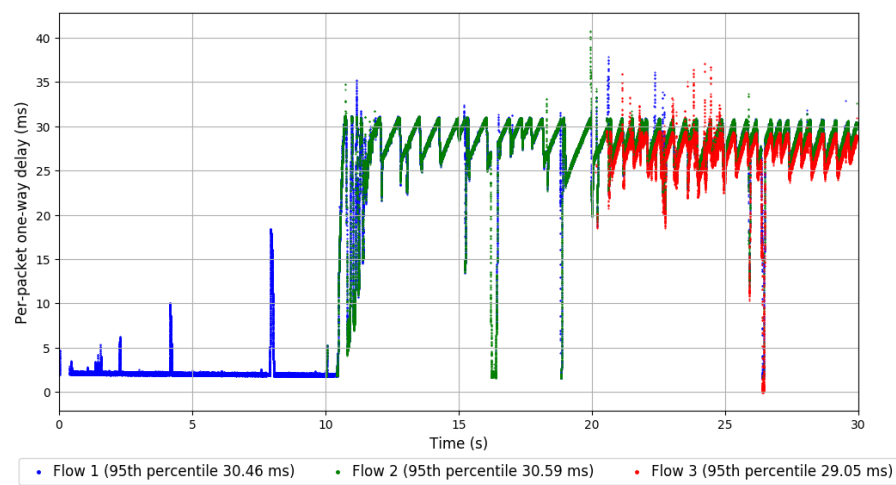
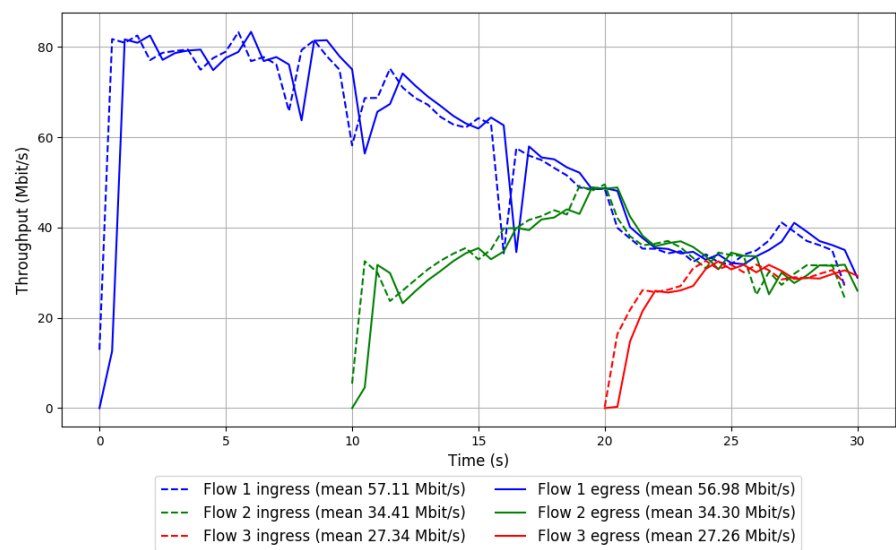


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-22 04:33:59
End at: 2018-08-22 04:34:29
Local clock offset: -2.762 ms
Remote clock offset: -11.868 ms

Below is generated by plot.py at 2018-08-22 05:59:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 30.490 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 56.98 Mbit/s
95th percentile per-packet one-way delay: 30.458 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 30.589 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 27.26 Mbit/s
95th percentile per-packet one-way delay: 29.049 ms
Loss rate: 0.24%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-22 04:53:11

End at: 2018-08-22 04:53:41

Local clock offset: -2.527 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-08-22 05:59:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 28.700 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 28.623 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 36.58 Mbit/s

95th percentile per-packet one-way delay: 28.748 ms

Loss rate: 0.18%

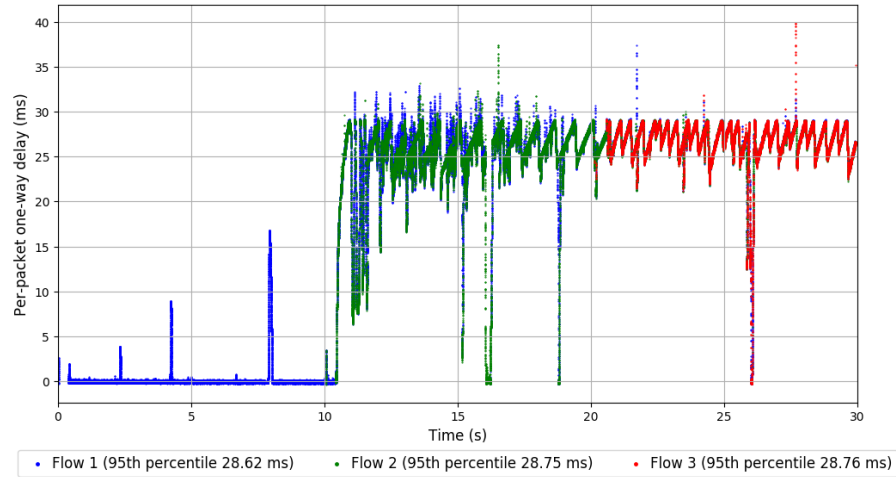
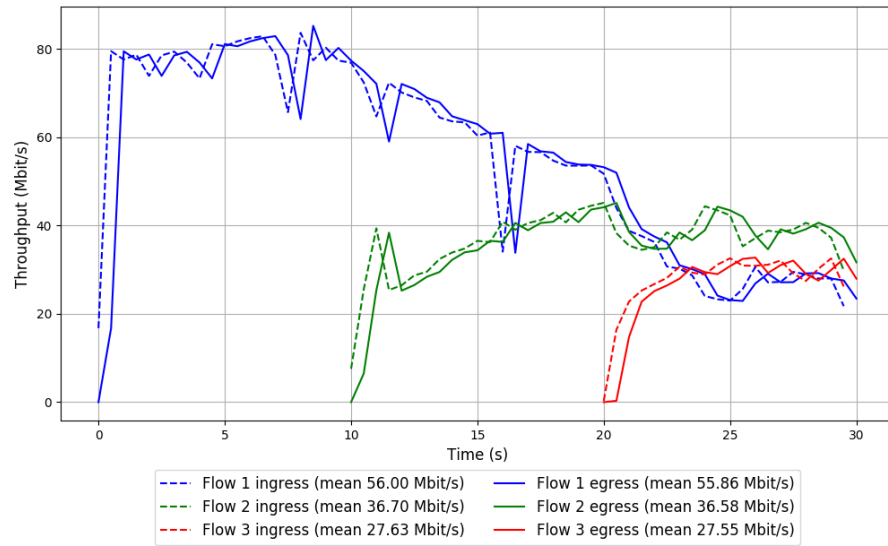
-- Flow 3:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 28.761 ms

Loss rate: 0.21%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-08-22 05:12:20

End at: 2018-08-22 05:12:50

Local clock offset: -4.423 ms

Remote clock offset: 3.195 ms

Below is generated by plot.py at 2018-08-22 05:59:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.46 Mbit/s

95th percentile per-packet one-way delay: 30.579 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 59.18 Mbit/s

95th percentile per-packet one-way delay: 30.352 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 30.575 ms

Loss rate: 0.20%

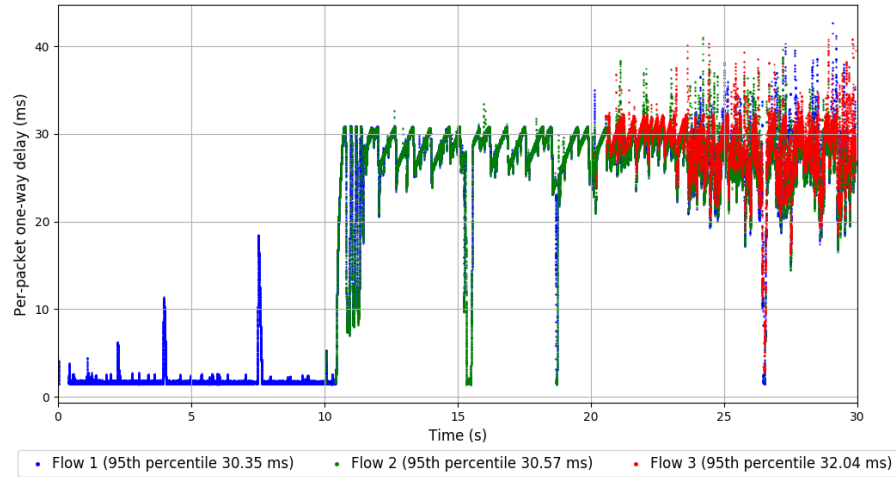
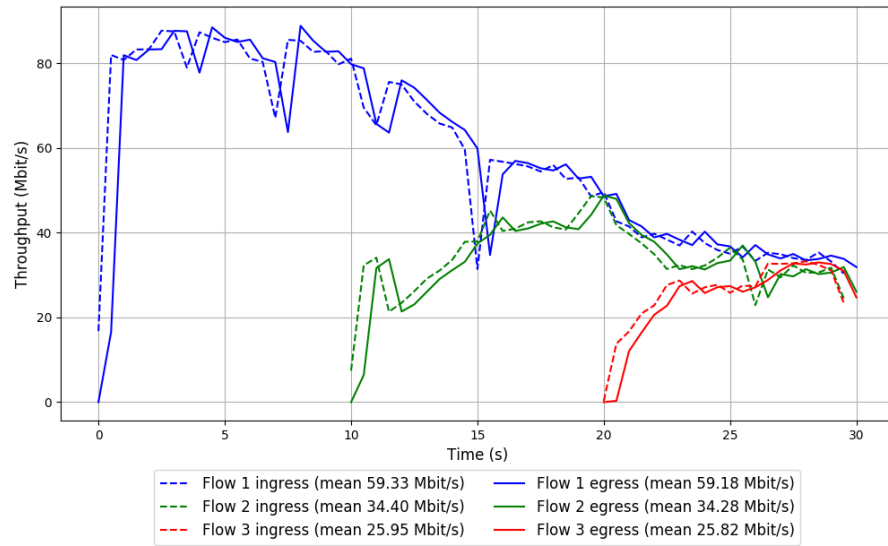
-- Flow 3:

Average throughput: 25.82 Mbit/s

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

Loss rate: 0.43%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-08-22 05:31:30

End at: 2018-08-22 05:32:00

Local clock offset: -4.06 ms

Remote clock offset: 5.543 ms

Below is generated by plot.py at 2018-08-22 05:59:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.14 Mbit/s

95th percentile per-packet one-way delay: 30.865 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 30.945 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 33.38 Mbit/s

95th percentile per-packet one-way delay: 29.567 ms

Loss rate: 0.20%

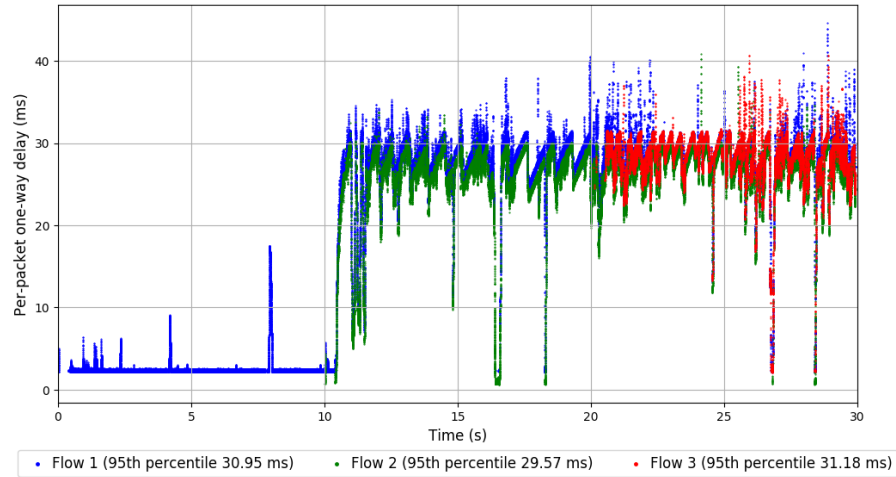
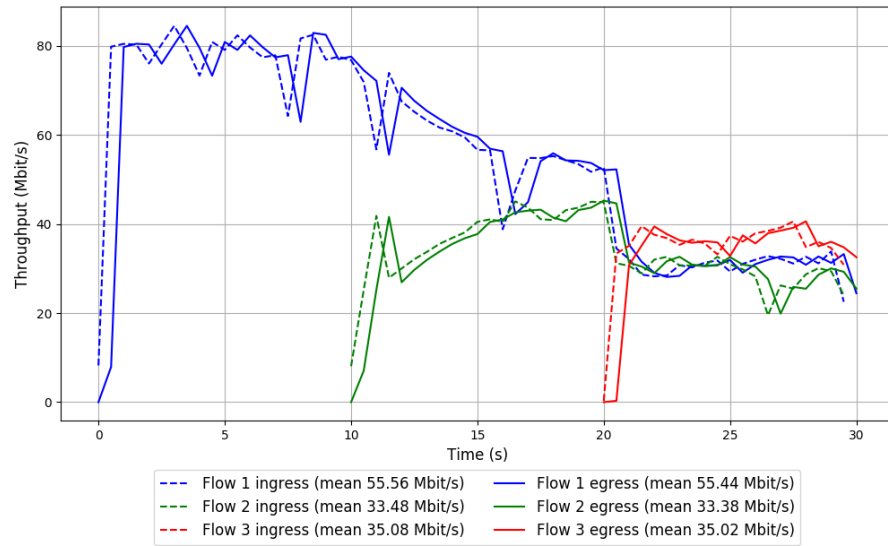
-- Flow 3:

Average throughput: 35.02 Mbit/s

95th percentile per-packet one-way delay: 31.175 ms

Loss rate: 0.16%

Run 10: Report of QUIC Cubic — Data Link

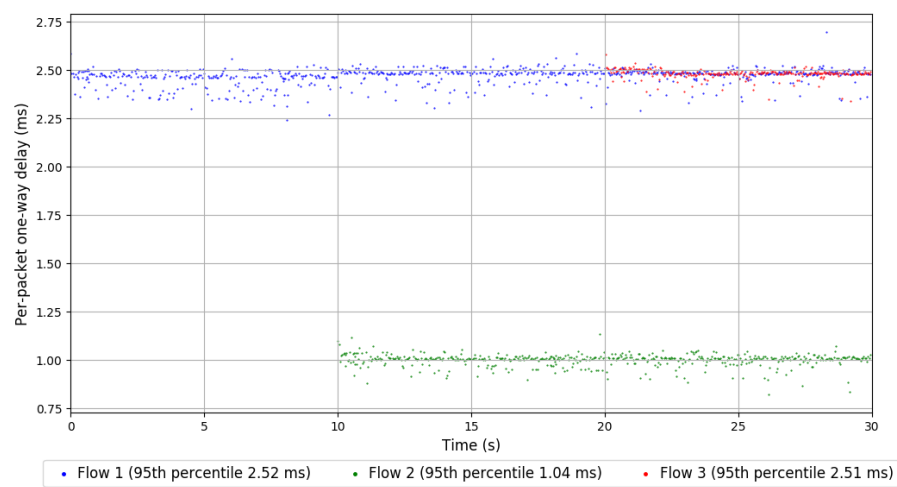
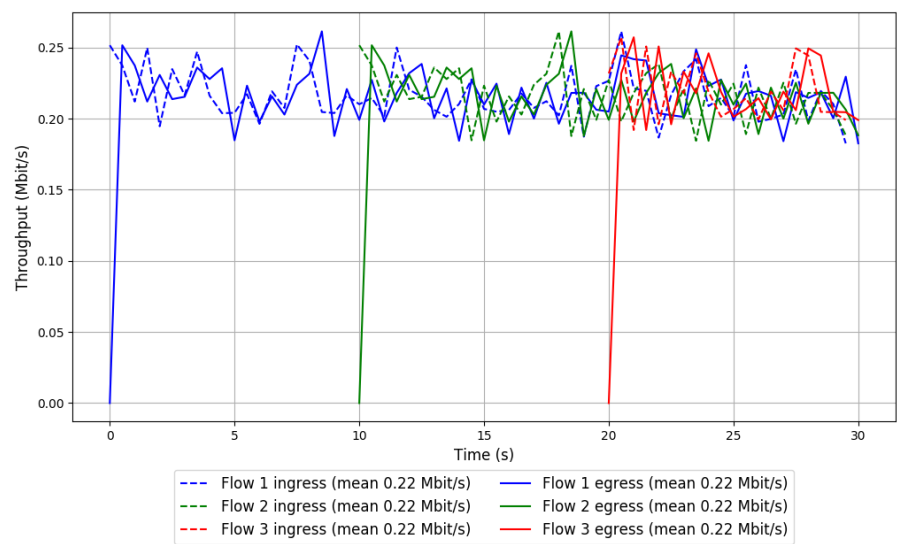


Run 1: Statistics of SReAM

Start at: 2018-08-22 02:32:17
End at: 2018-08-22 02:32:47
Local clock offset: -6.13 ms
Remote clock offset: -2.227 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.040 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.511 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

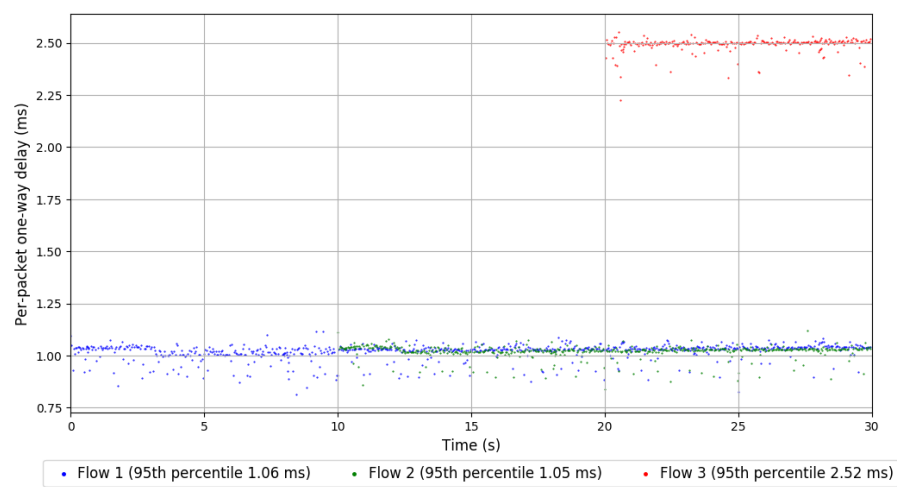
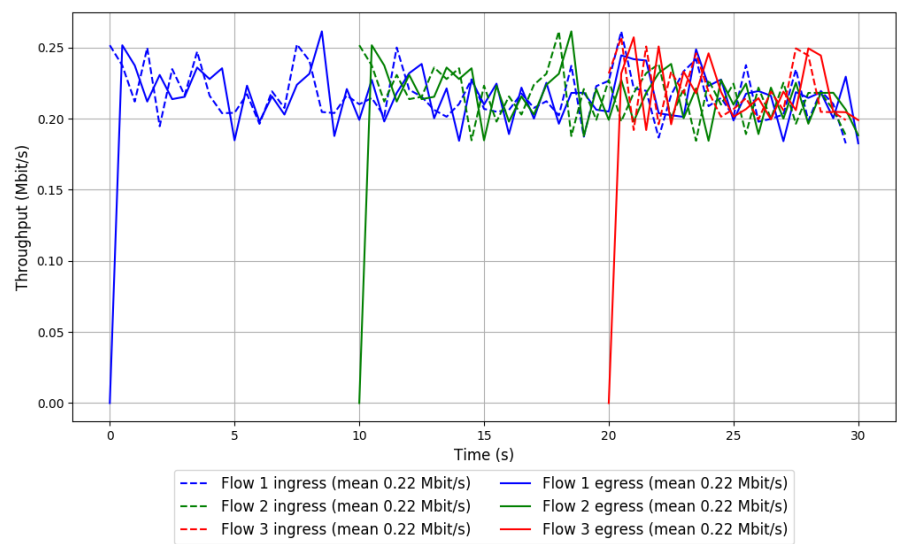


Run 2: Statistics of SReAM

Start at: 2018-08-22 02:51:28
End at: 2018-08-22 02:51:58
Local clock offset: -3.439 ms
Remote clock offset: -1.918 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.504 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.521 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

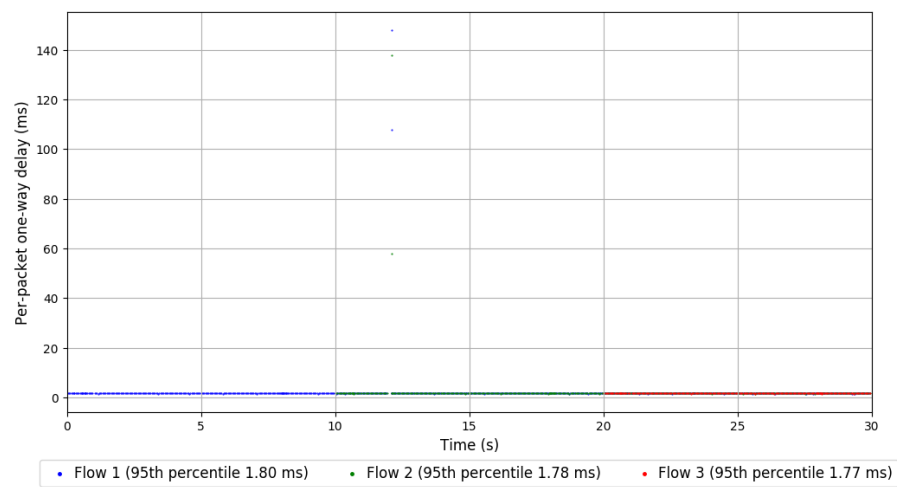
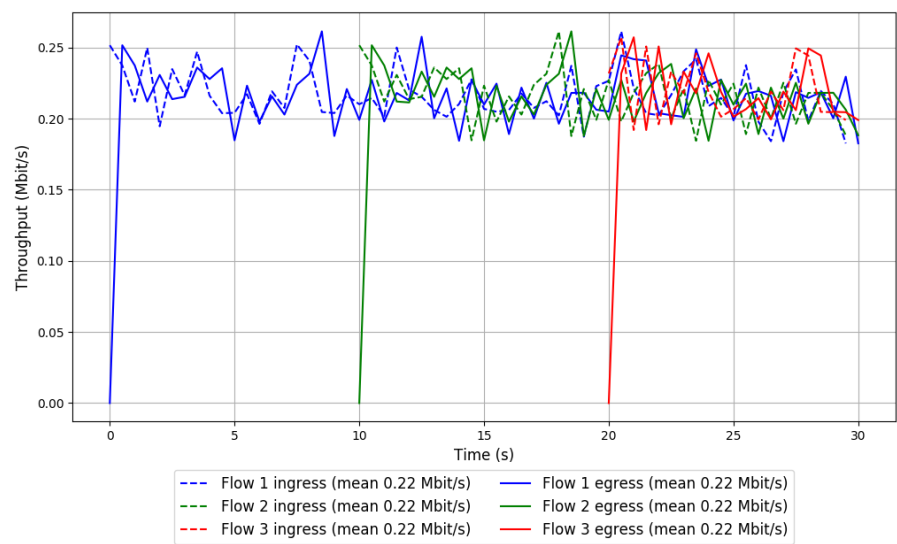


Run 3: Statistics of SReAM

Start at: 2018-08-22 03:10:39
End at: 2018-08-22 03:11:09
Local clock offset: -3.425 ms
Remote clock offset: -1.277 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.788 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.783 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.771 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

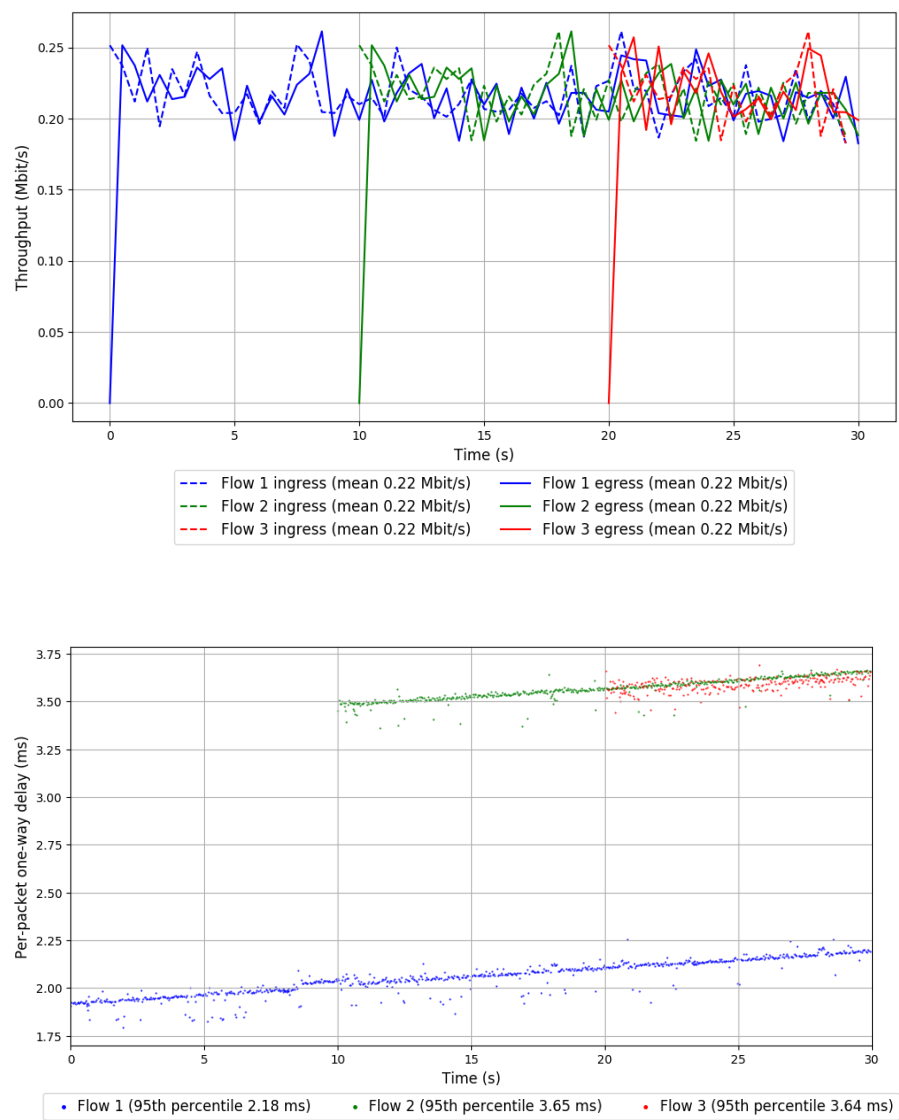


Run 4: Statistics of SReAM

Start at: 2018-08-22 03:29:50
End at: 2018-08-22 03:30:20
Local clock offset: -3.723 ms
Remote clock offset: -8.048 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 3.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.652 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.642 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

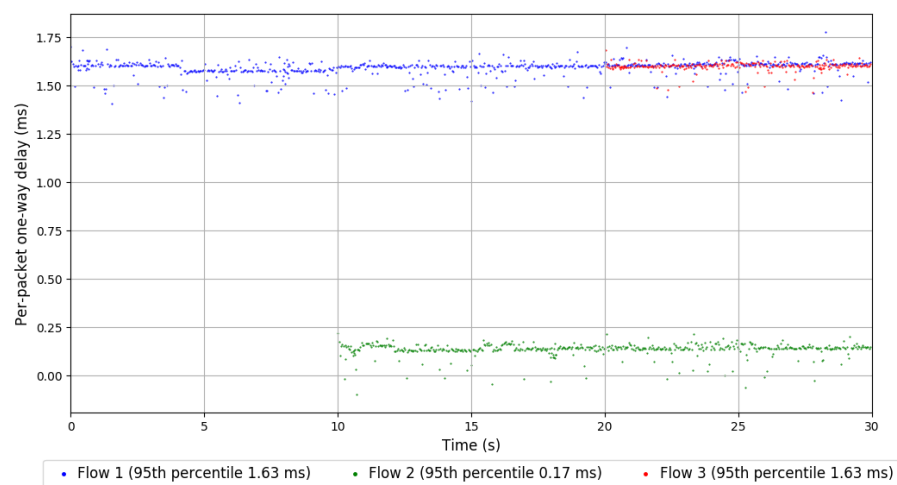
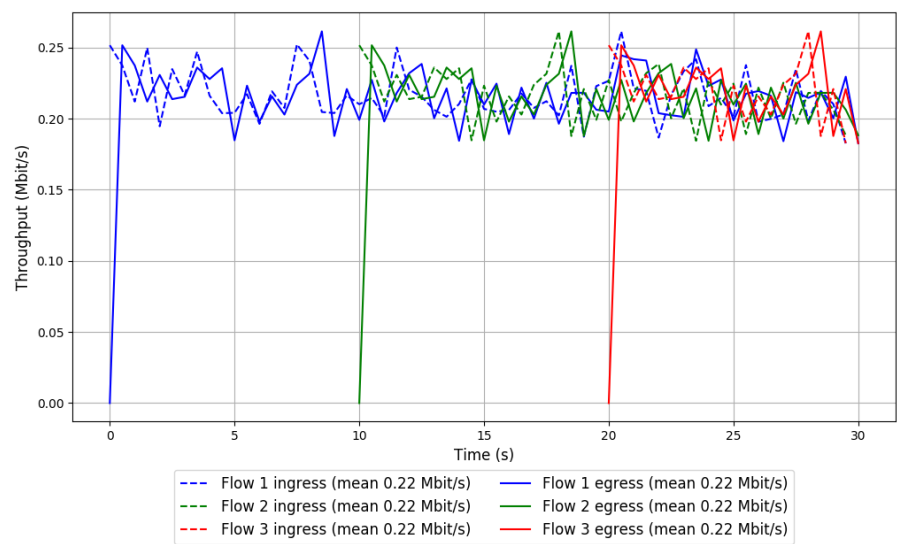


Run 5: Statistics of SReAM

Start at: 2018-08-22 03:49:00
End at: 2018-08-22 03:49:30
Local clock offset: -4.856 ms
Remote clock offset: -13.62 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 1.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.629 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

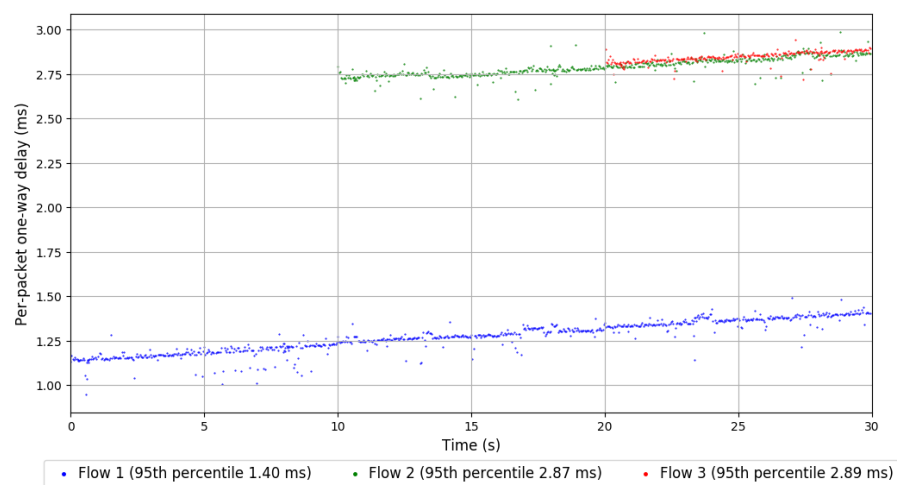
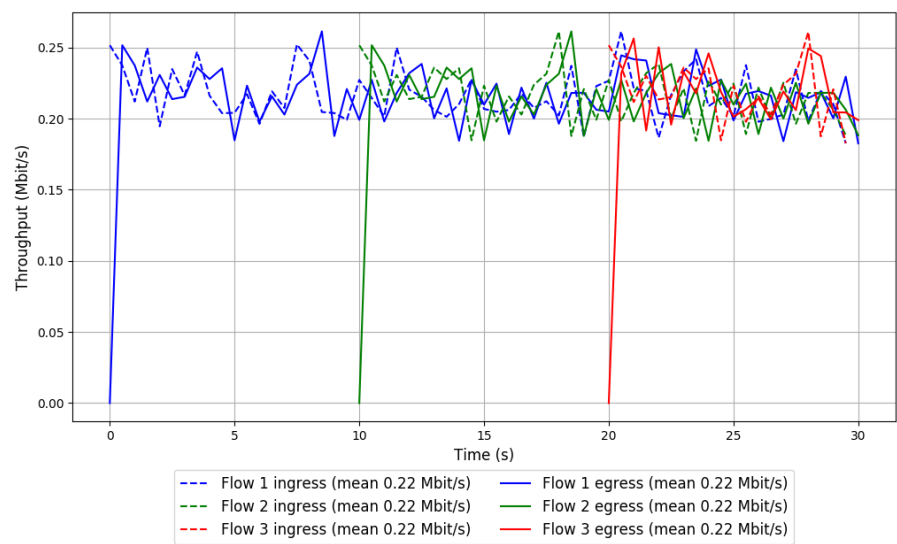


Run 6: Statistics of SReAM

Start at: 2018-08-22 04:08:11
End at: 2018-08-22 04:08:41
Local clock offset: -6.379 ms
Remote clock offset: -16.268 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.869 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.886 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

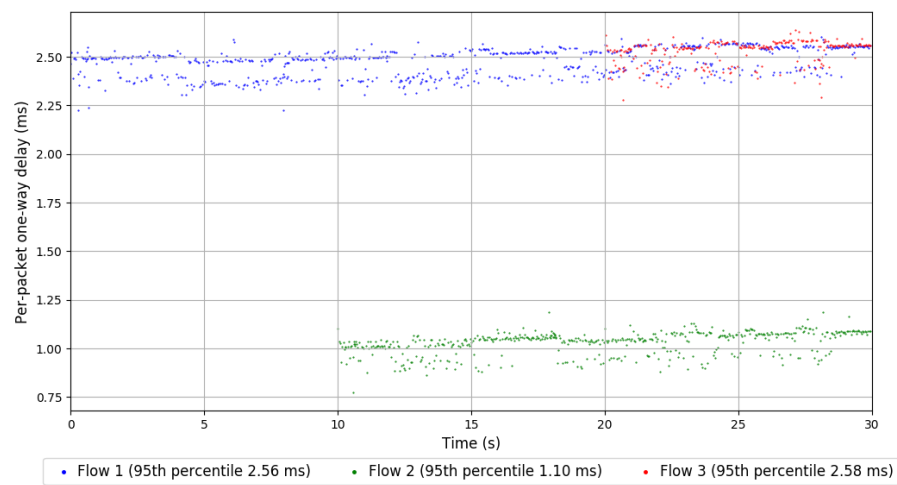
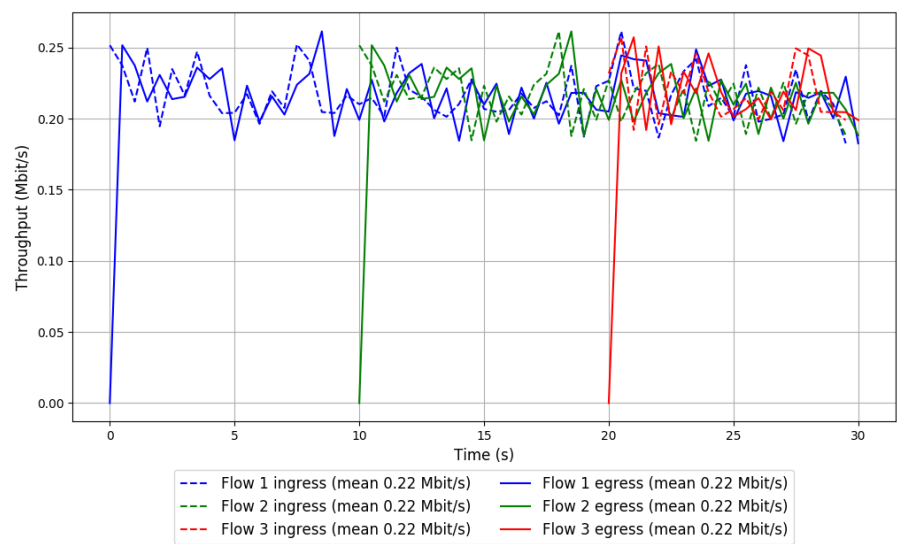


Run 7: Statistics of SReAM

Start at: 2018-08-22 04:27:21
End at: 2018-08-22 04:27:51
Local clock offset: -3.079 ms
Remote clock offset: -18.682 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.098 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.585 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

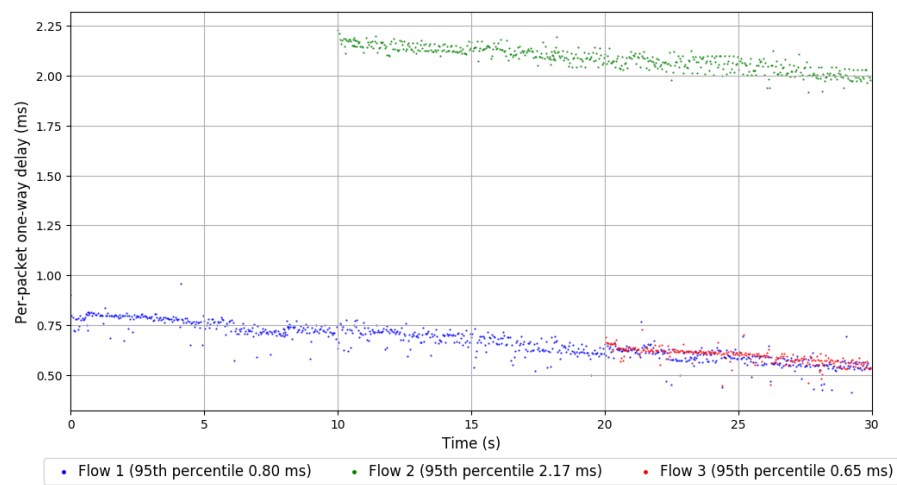
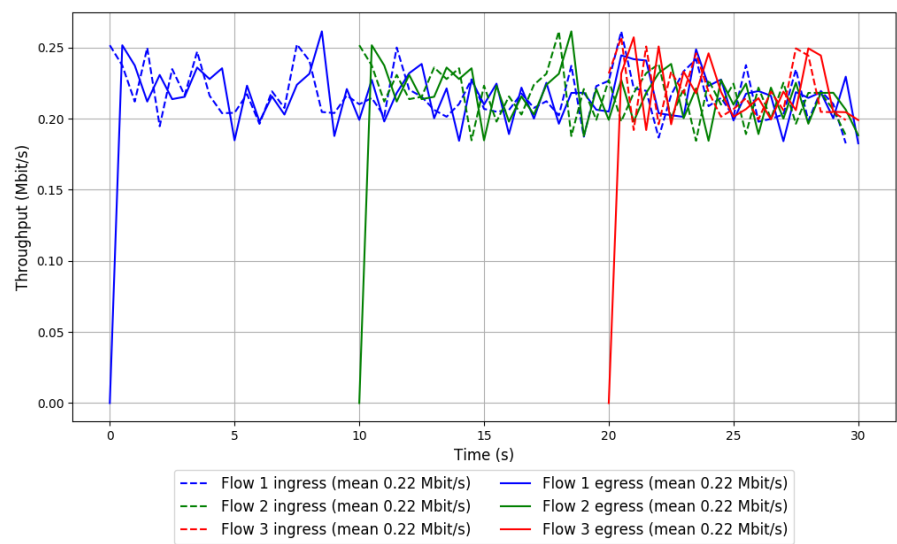


Run 8: Statistics of SReAM

Start at: 2018-08-22 04:46:33
End at: 2018-08-22 04:47:03
Local clock offset: -3.181 ms
Remote clock offset: -2.068 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.797 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.653 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-08-22 05:05:42

End at: 2018-08-22 05:06:12

Local clock offset: -2.53 ms

Remote clock offset: 2.991 ms

Below is generated by plot.py at 2018-08-22 05:59:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 1.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.282 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.752 ms

Loss rate: 0.00%

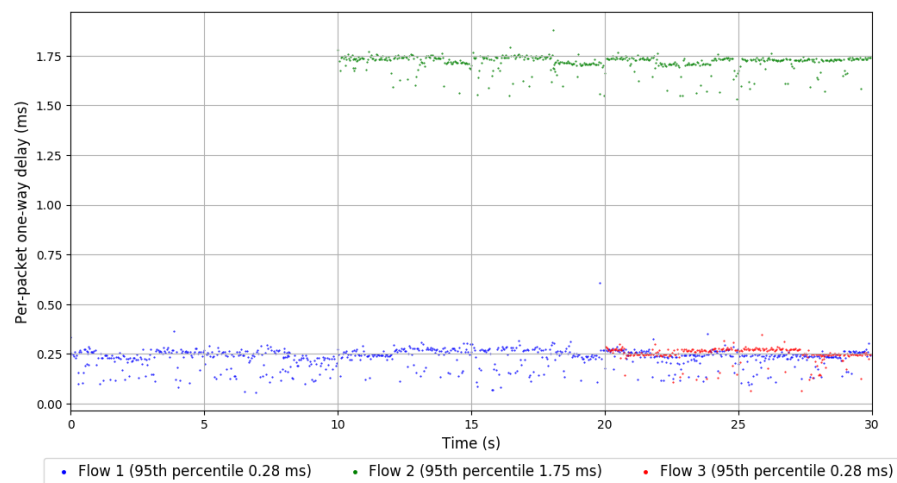
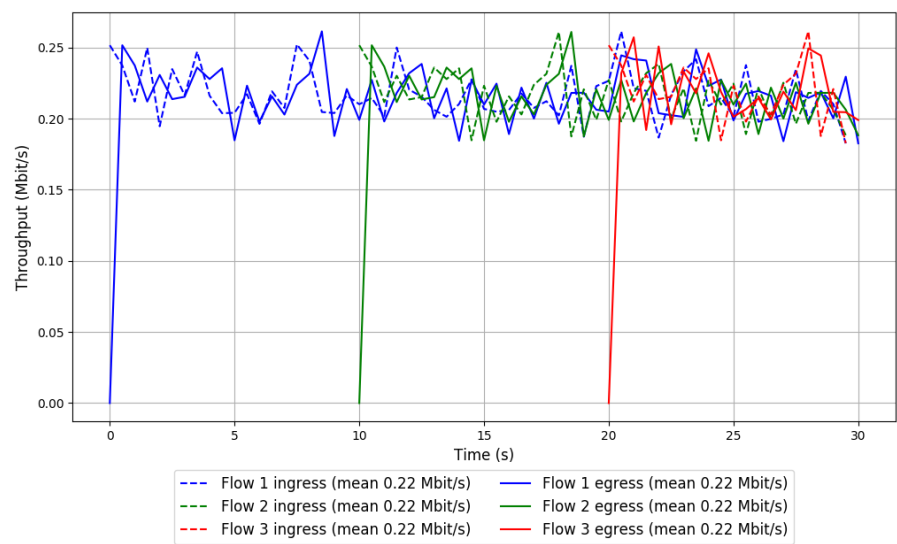
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 0.281 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-22 05:24:52

End at: 2018-08-22 05:25:22

Local clock offset: -4.78 ms

Remote clock offset: 4.673 ms

Below is generated by plot.py at 2018-08-22 05:59:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.729 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.699 ms

Loss rate: 0.00%

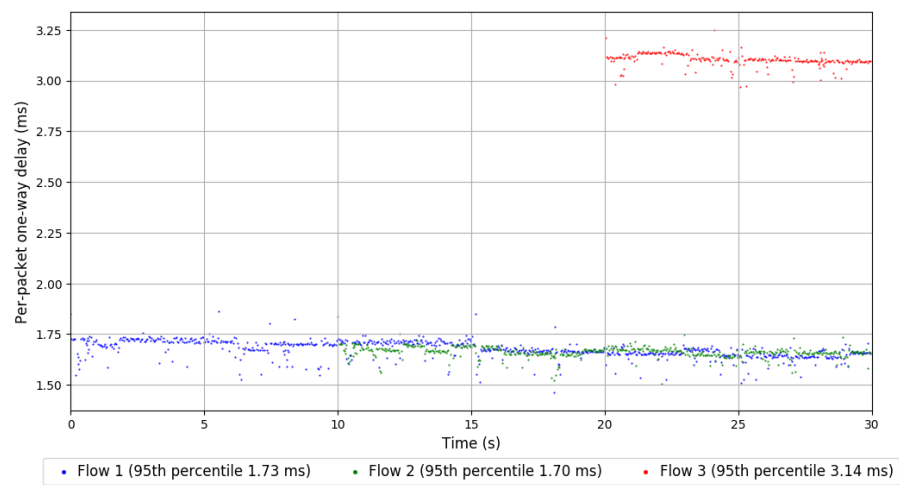
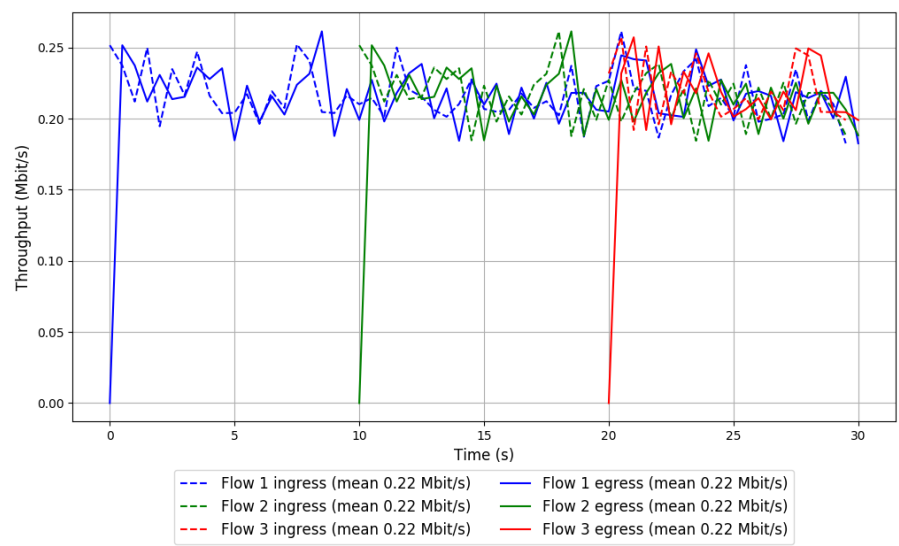
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.141 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

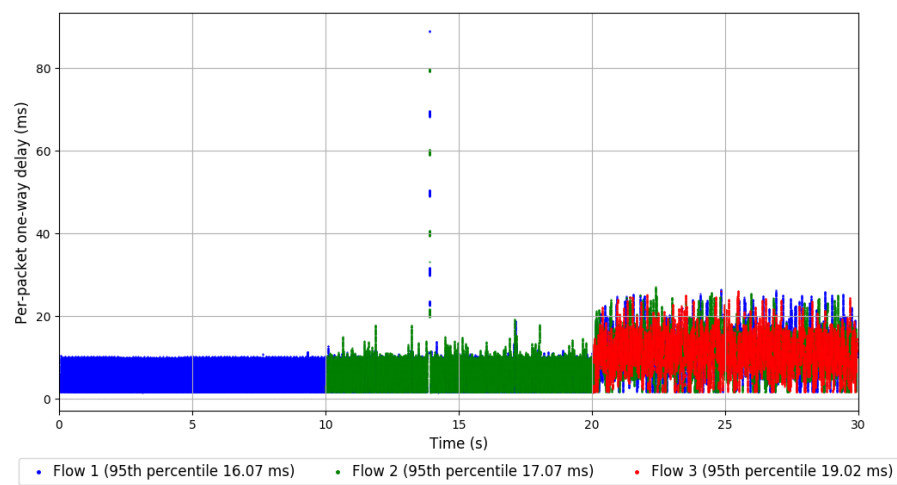
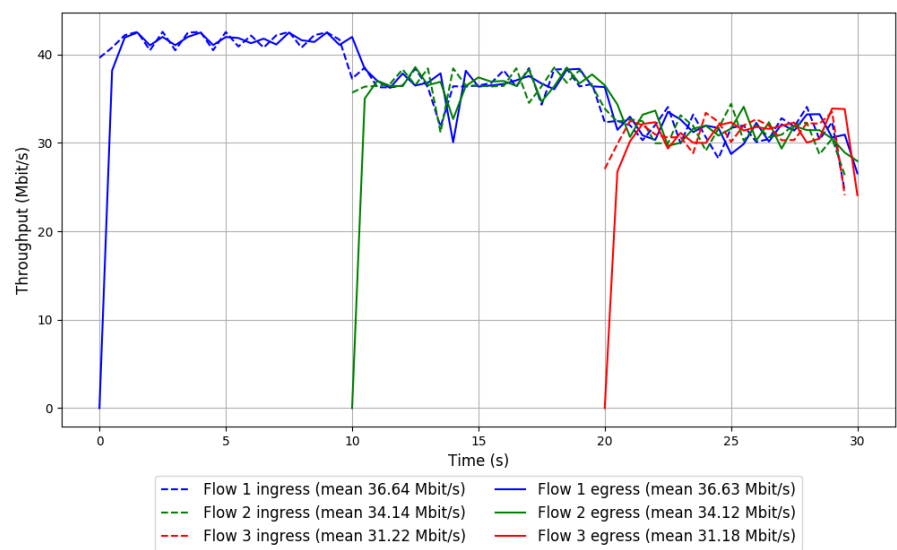


Run 1: Statistics of Sprout

Start at: 2018-08-22 02:28:53
End at: 2018-08-22 02:29:23
Local clock offset: -6.954 ms
Remote clock offset: -2.274 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 17.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 16.074 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 17.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

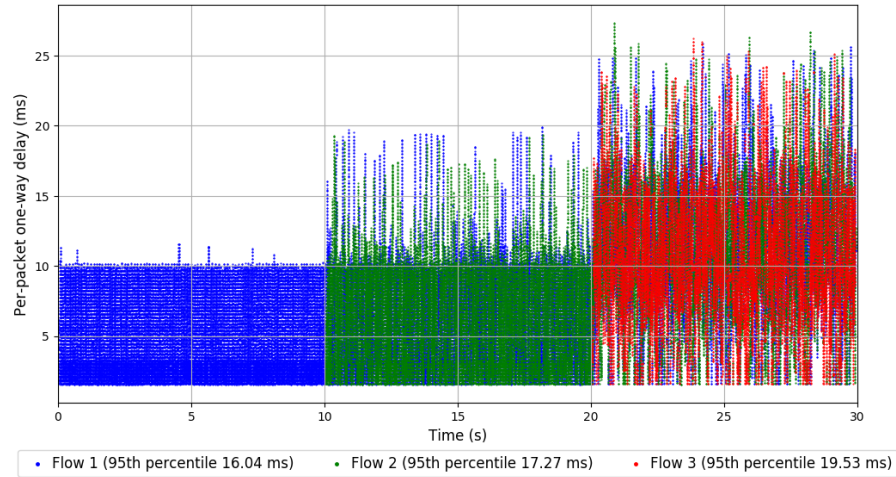
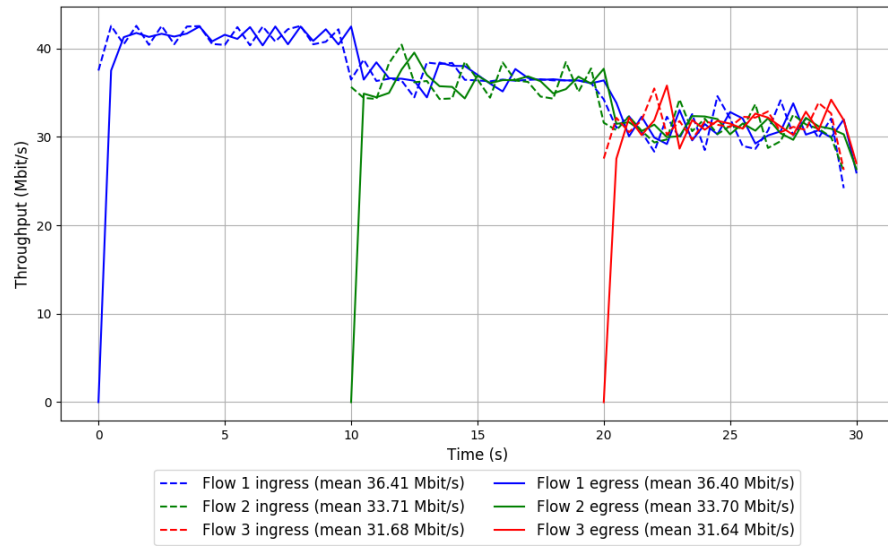


Run 2: Statistics of Sprout

Start at: 2018-08-22 02:48:04
End at: 2018-08-22 02:48:34
Local clock offset: -4.516 ms
Remote clock offset: -2.095 ms

Below is generated by plot.py at 2018-08-22 05:59:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 17.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.40 Mbit/s
95th percentile per-packet one-way delay: 16.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.70 Mbit/s
95th percentile per-packet one-way delay: 17.270 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.64 Mbit/s
95th percentile per-packet one-way delay: 19.533 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

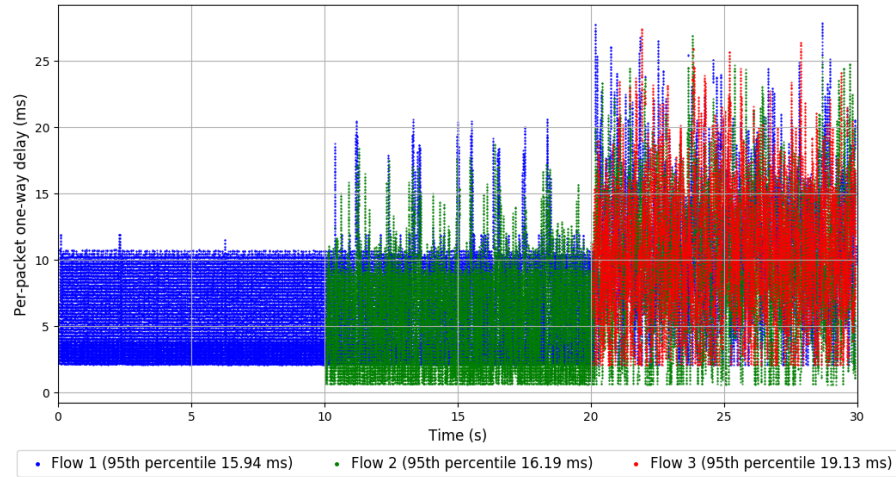
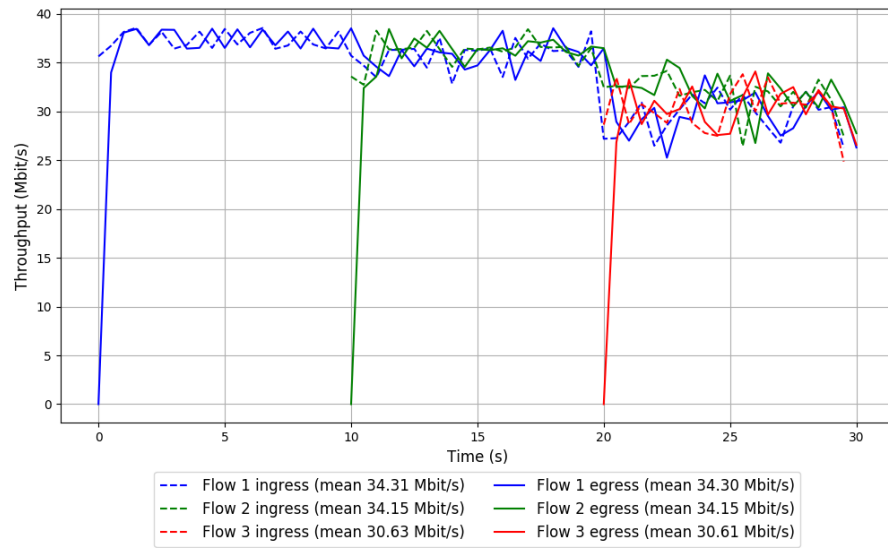


Run 3: Statistics of Sprout

Start at: 2018-08-22 03:07:16
End at: 2018-08-22 03:07:46
Local clock offset: -2.274 ms
Remote clock offset: -1.425 ms

```
# Below is generated by plot.py at 2018-08-22 05:59:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: 16.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 15.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.15 Mbit/s
95th percentile per-packet one-way delay: 16.190 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.61 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

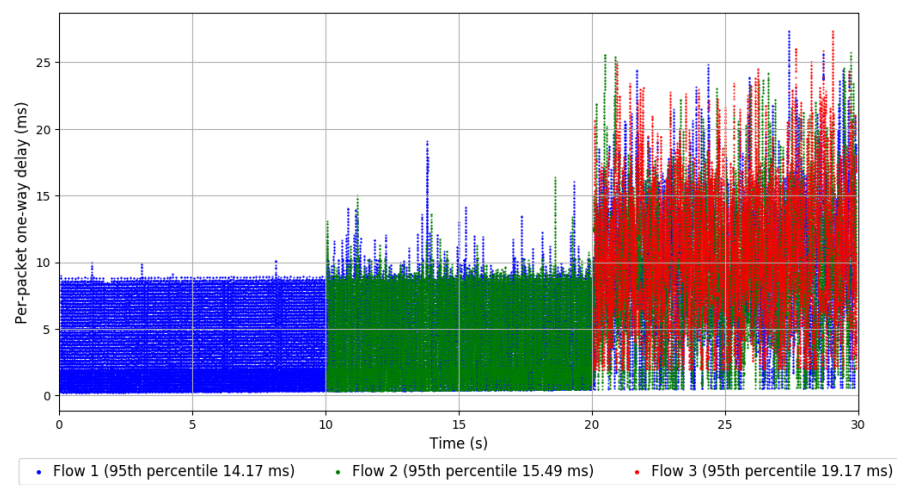
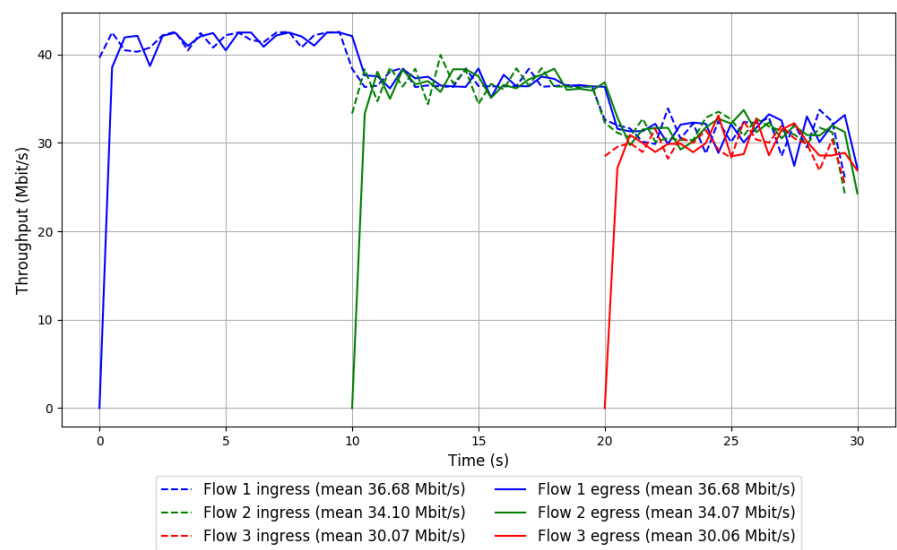


Run 4: Statistics of Sprout

Start at: 2018-08-22 03:26:26
End at: 2018-08-22 03:26:56
Local clock offset: -2.138 ms
Remote clock offset: -5.891 ms

```
# Below is generated by plot.py at 2018-08-22 05:59:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 15.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 14.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.07 Mbit/s
95th percentile per-packet one-way delay: 15.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.06 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

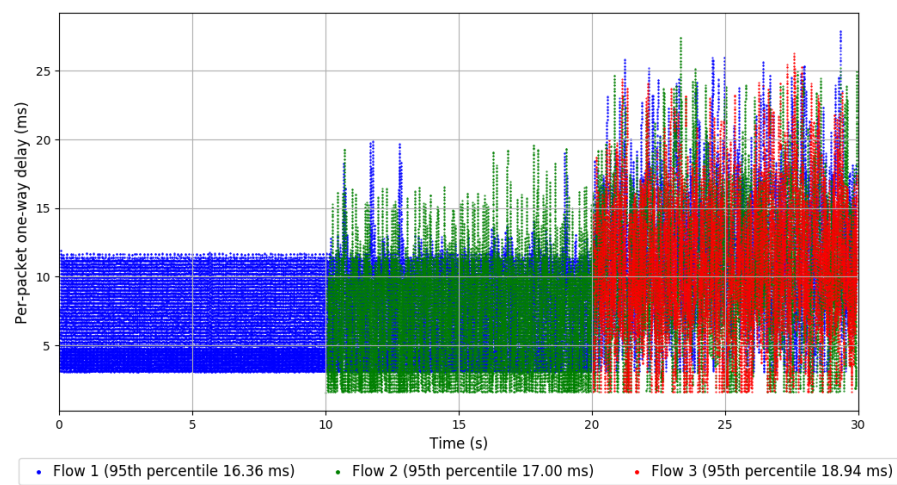
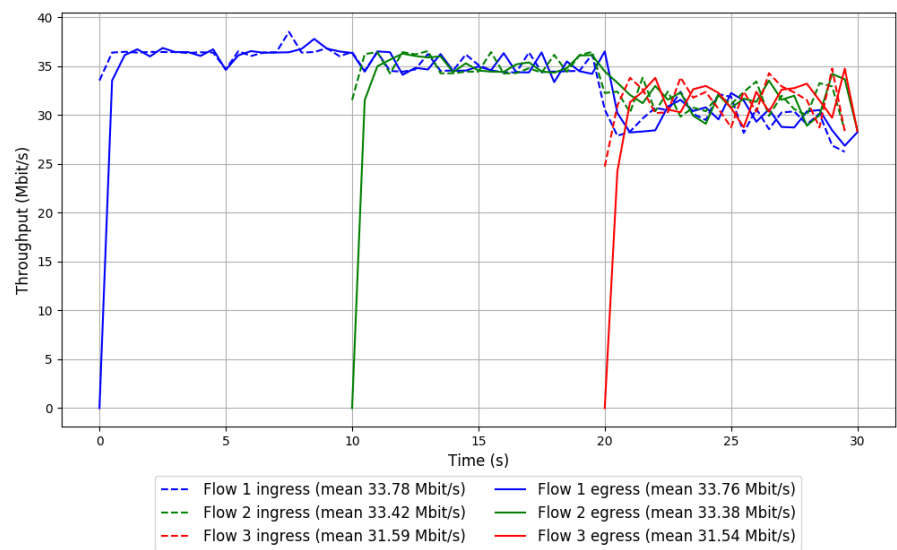


Run 5: Statistics of Sprout

Start at: 2018-08-22 03:45:37
End at: 2018-08-22 03:46:07
Local clock offset: -5.902 ms
Remote clock offset: -12.927 ms

```
# Below is generated by plot.py at 2018-08-22 05:59:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.41 Mbit/s
95th percentile per-packet one-way delay: 17.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.76 Mbit/s
95th percentile per-packet one-way delay: 16.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.38 Mbit/s
95th percentile per-packet one-way delay: 16.997 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.54 Mbit/s
95th percentile per-packet one-way delay: 18.944 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

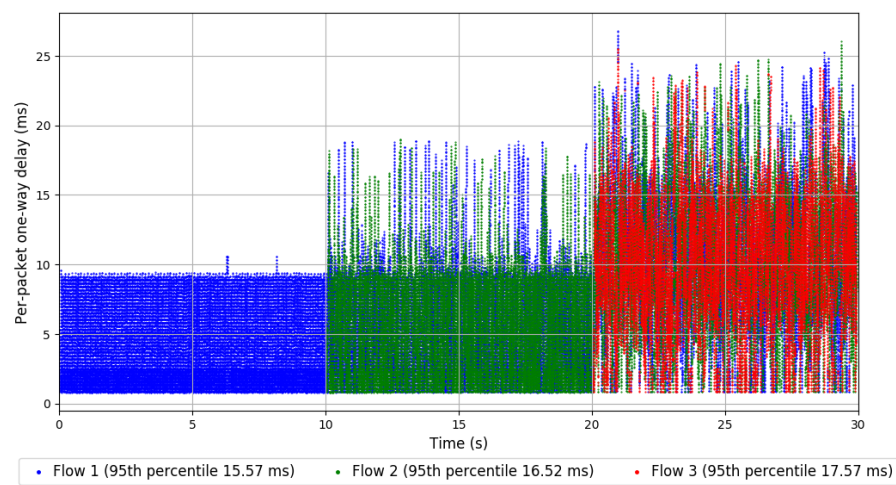
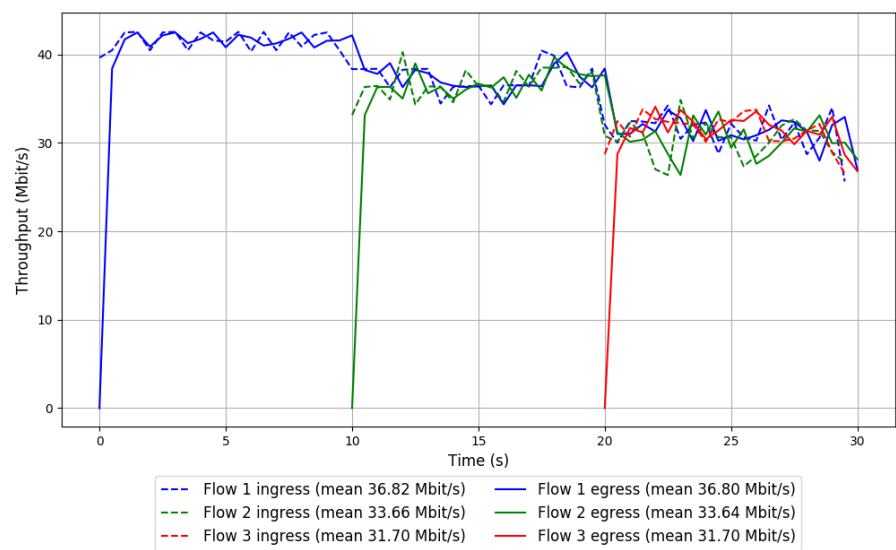


Run 6: Statistics of Sprout

Start at: 2018-08-22 04:04:47
End at: 2018-08-22 04:05:17
Local clock offset: -6.795 ms
Remote clock offset: -15.917 ms

```
# Below is generated by plot.py at 2018-08-22 06:00:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.65 Mbit/s
95th percentile per-packet one-way delay: 16.363 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.80 Mbit/s
95th percentile per-packet one-way delay: 15.571 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 16.522 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 17.565 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

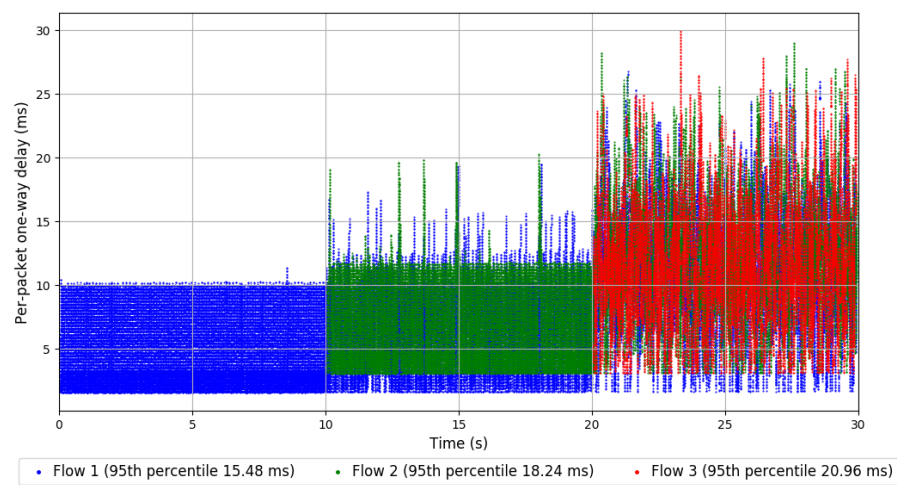
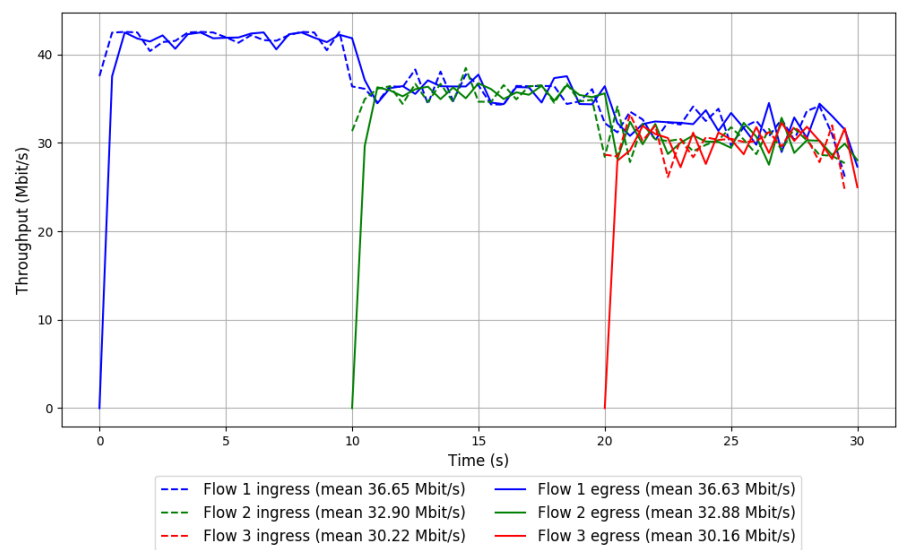


Run 7: Statistics of Sprout

Start at: 2018-08-22 04:23:57
End at: 2018-08-22 04:24:27
Local clock offset: -4.102 ms
Remote clock offset: -18.328 ms

Below is generated by plot.py at 2018-08-22 06:00:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 17.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.63 Mbit/s
95th percentile per-packet one-way delay: 15.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.88 Mbit/s
95th percentile per-packet one-way delay: 18.238 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 20.959 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

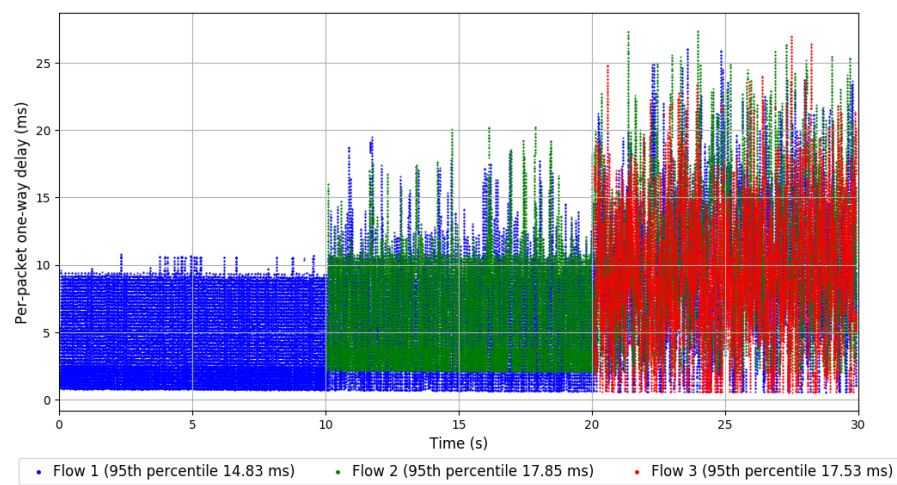
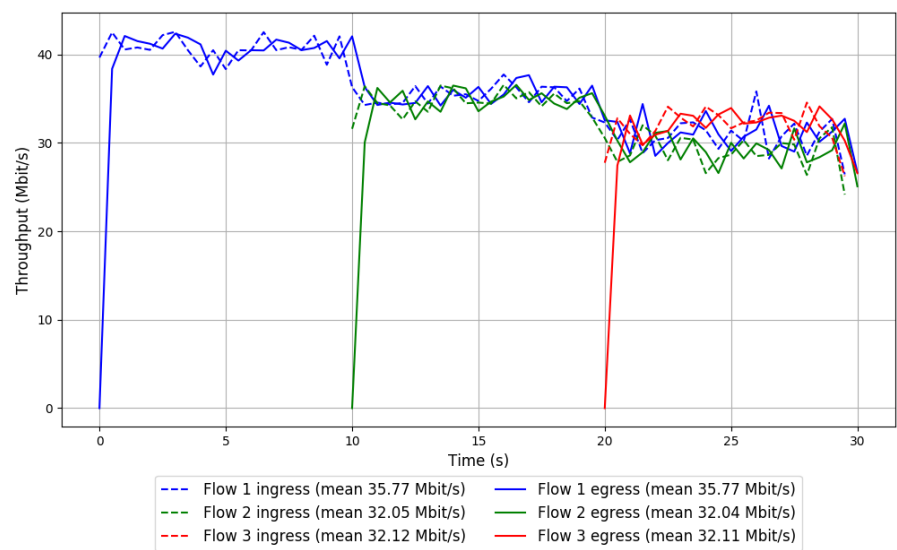


Run 8: Statistics of Sprout

Start at: 2018-08-22 04:43:09
End at: 2018-08-22 04:43:39
Local clock offset: -3.092 ms
Remote clock offset: -3.599 ms

```
# Below is generated by plot.py at 2018-08-22 06:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 16.491 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.77 Mbit/s
95th percentile per-packet one-way delay: 14.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 17.850 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 17.526 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-08-22 05:02:19

End at: 2018-08-22 05:02:49

Local clock offset: -3.32 ms

Remote clock offset: 2.665 ms

Below is generated by plot.py at 2018-08-22 06:00:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 16.782 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.94 Mbit/s

95th percentile per-packet one-way delay: 15.588 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.37 Mbit/s

95th percentile per-packet one-way delay: 16.847 ms

Loss rate: 0.00%

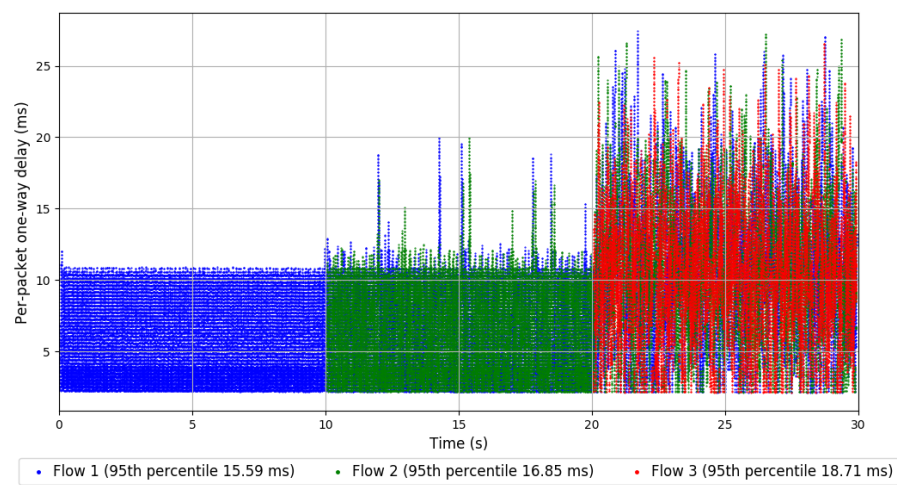
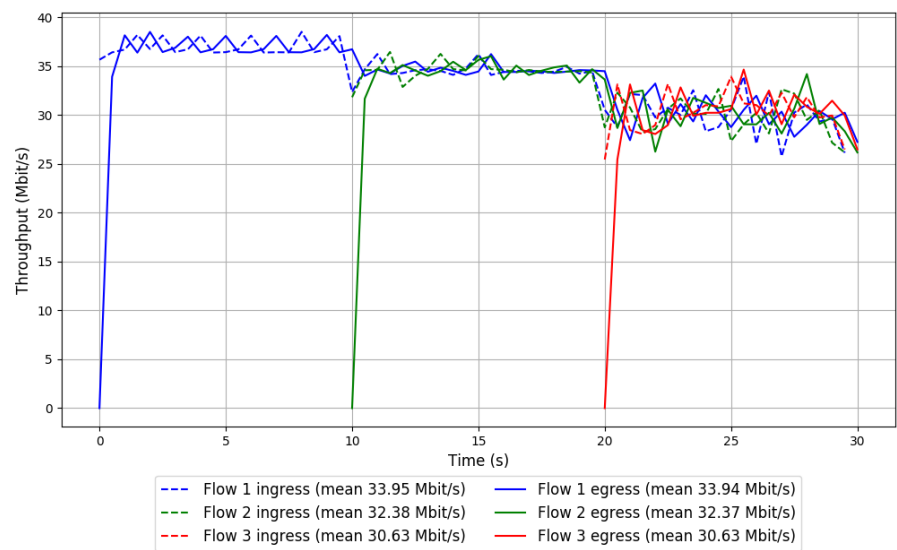
-- Flow 3:

Average throughput: 30.63 Mbit/s

95th percentile per-packet one-way delay: 18.714 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

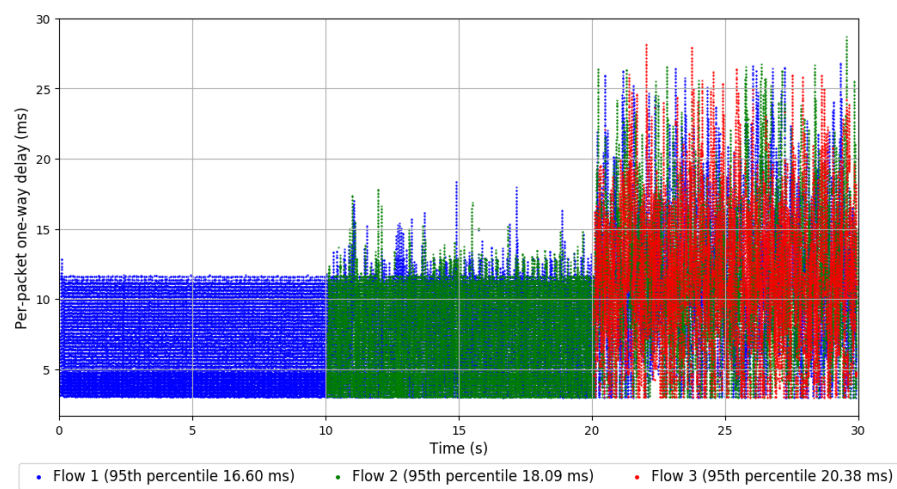
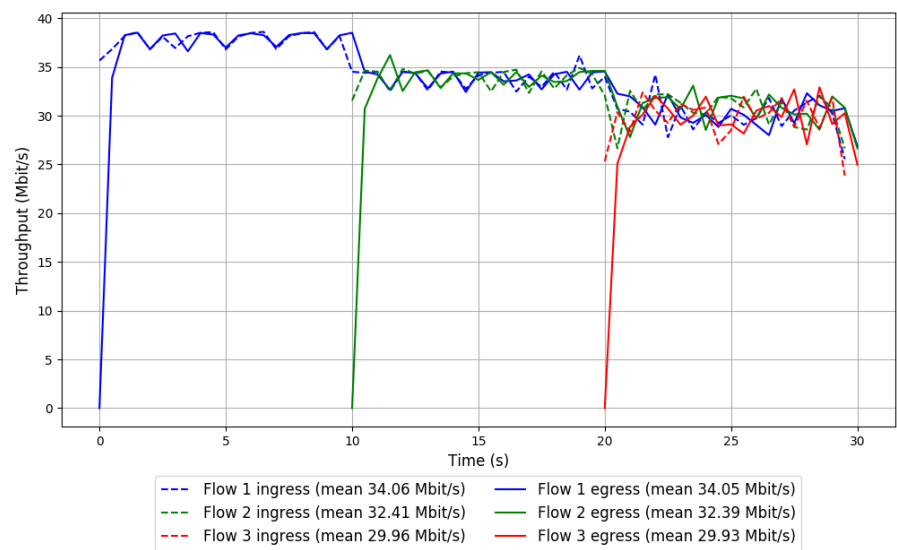


Run 10: Statistics of Sprout

Start at: 2018-08-22 05:21:28
End at: 2018-08-22 05:21:58
Local clock offset: -4.739 ms
Remote clock offset: 4.261 ms

Below is generated by plot.py at 2018-08-22 06:00:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 65.50 Mbit/s
95th percentile per-packet one-way delay: 18.070 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 34.05 Mbit/s
95th percentile per-packet one-way delay: 16.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 18.085 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 20.378 ms
Loss rate: 0.08%

Run 10: Report of Sprout — Data Link

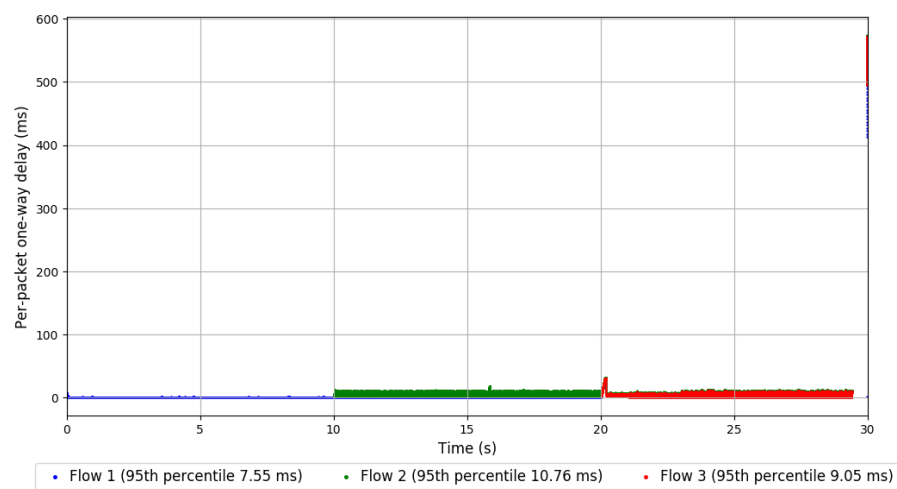
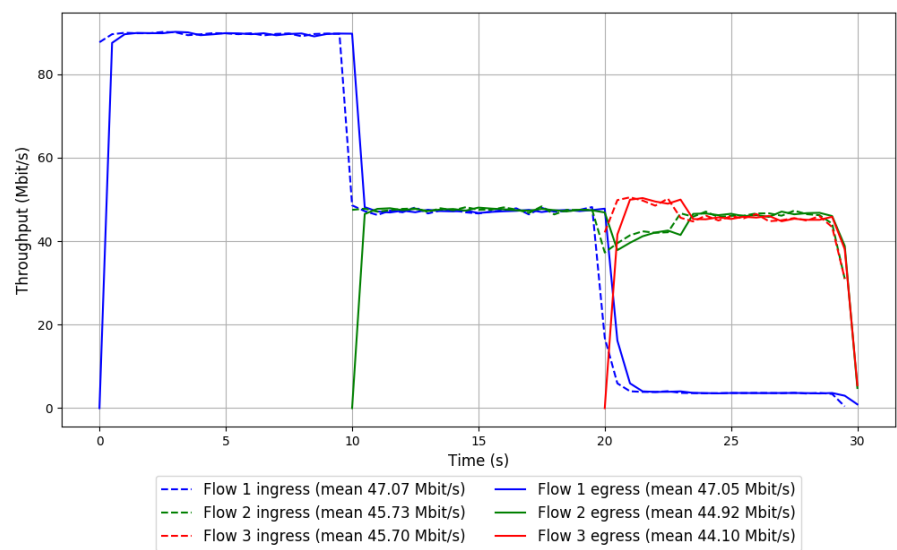


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-08-22 02:26:33
End at: 2018-08-22 02:27:03
Local clock offset: -6.258 ms
Remote clock offset: -2.453 ms

# Below is generated by plot.py at 2018-08-22 06:01:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 9.690 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 47.05 Mbit/s
95th percentile per-packet one-way delay: 7.550 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 10.759 ms
Loss rate: 1.78%
-- Flow 3:
Average throughput: 44.10 Mbit/s
95th percentile per-packet one-way delay: 9.055 ms
Loss rate: 3.48%
```


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

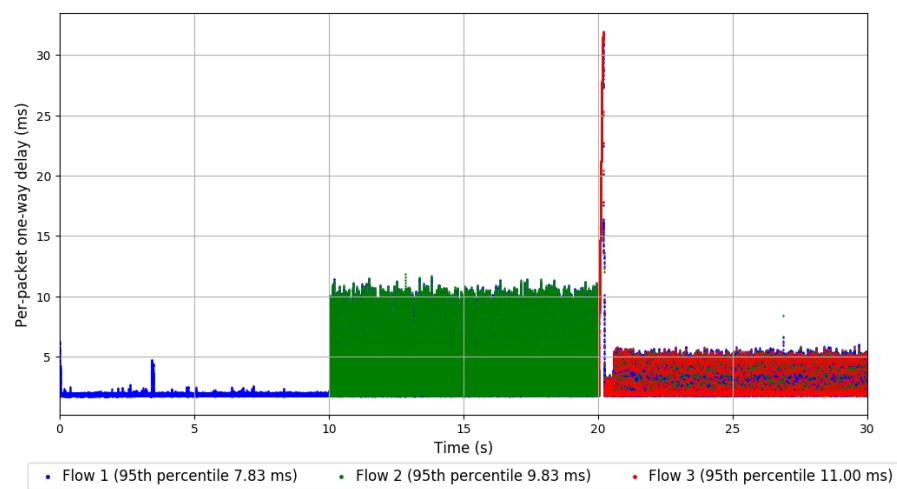
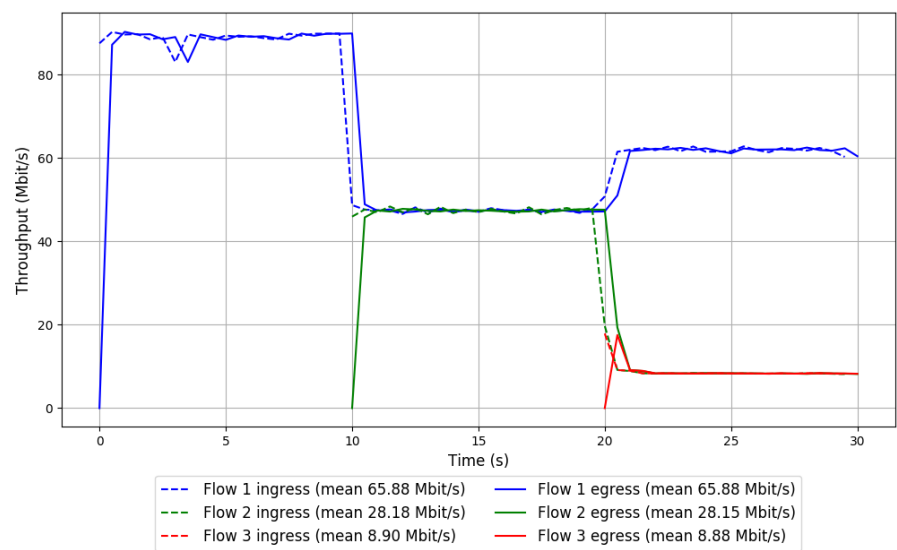


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-22 02:45:44
End at: 2018-08-22 02:46:14
Local clock offset: -4.901 ms
Remote clock offset: -2.091 ms

Below is generated by plot.py at 2018-08-22 06:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 8.836 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 7.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.15 Mbit/s
95th percentile per-packet one-way delay: 9.827 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 11.001 ms
Loss rate: 0.19%

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

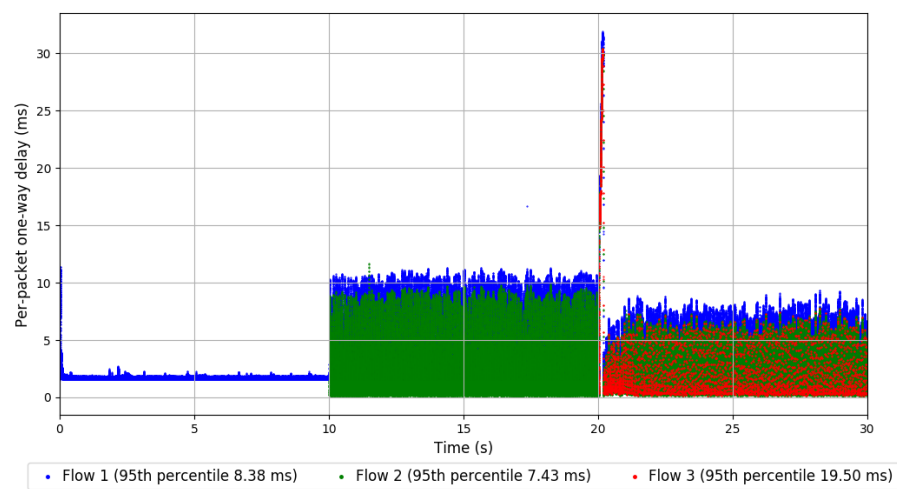
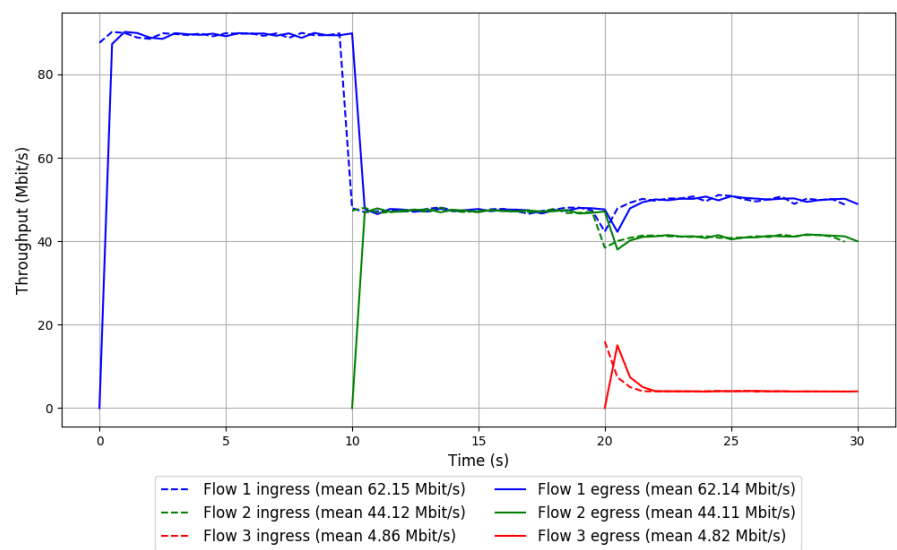


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-22 03:04:55
End at: 2018-08-22 03:05:25
Local clock offset: -1.6 ms
Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-08-22 06:01:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 8.071 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 62.14 Mbit/s
95th percentile per-packet one-way delay: 8.384 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 44.11 Mbit/s
95th percentile per-packet one-way delay: 7.434 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 19.505 ms
Loss rate: 0.90%

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

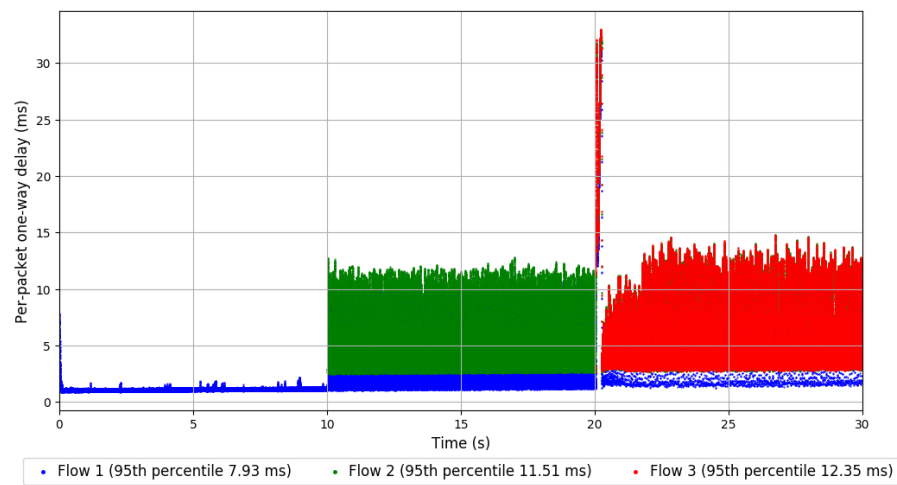
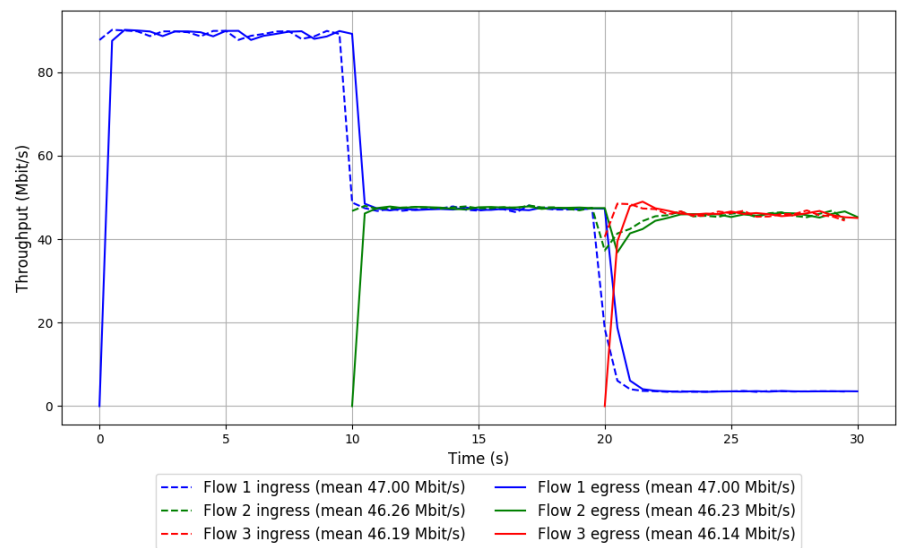


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-22 03:24:06
End at: 2018-08-22 03:24:36
Local clock offset: -2.93 ms
Remote clock offset: -4.111 ms

Below is generated by plot.py at 2018-08-22 06:02:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 10.955 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 47.00 Mbit/s
95th percentile per-packet one-way delay: 7.931 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 46.23 Mbit/s
95th percentile per-packet one-way delay: 11.510 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 46.14 Mbit/s
95th percentile per-packet one-way delay: 12.345 ms
Loss rate: 0.09%

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

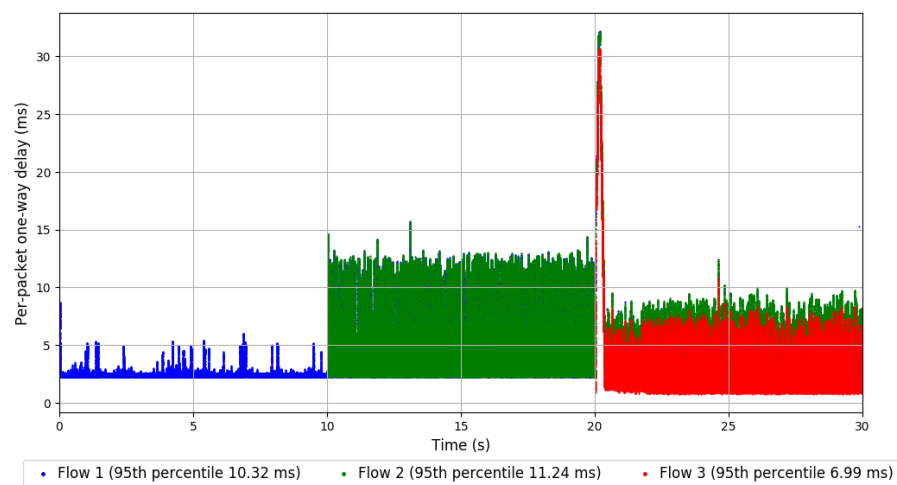
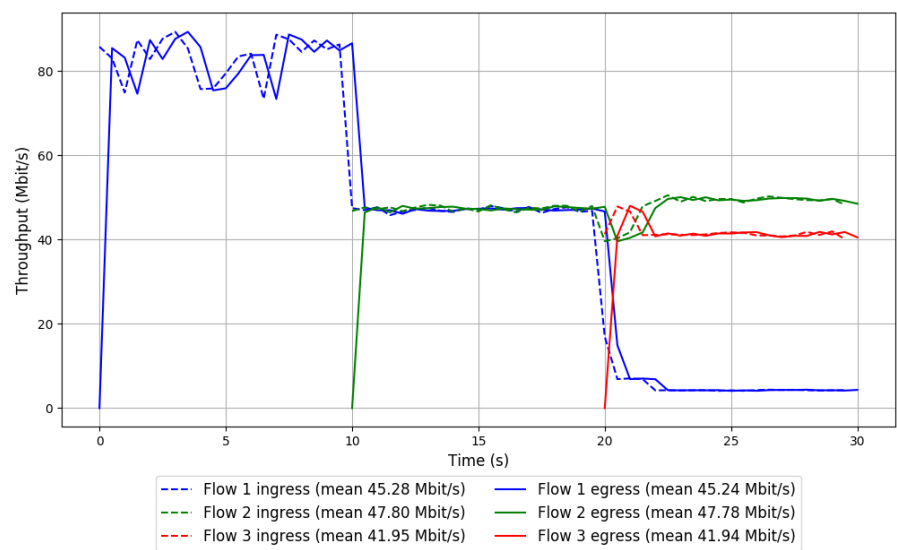


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-22 03:43:17
End at: 2018-08-22 03:43:47
Local clock offset: -4.67 ms
Remote clock offset: -12.47 ms

Below is generated by plot.py at 2018-08-22 06:02:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 10.619 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 10.316 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 11.236 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 41.94 Mbit/s
95th percentile per-packet one-way delay: 6.986 ms
Loss rate: 0.02%

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

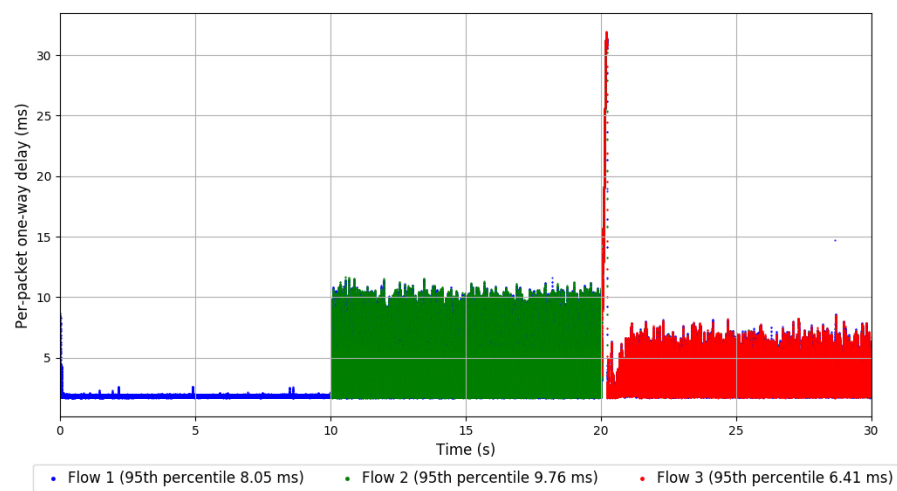
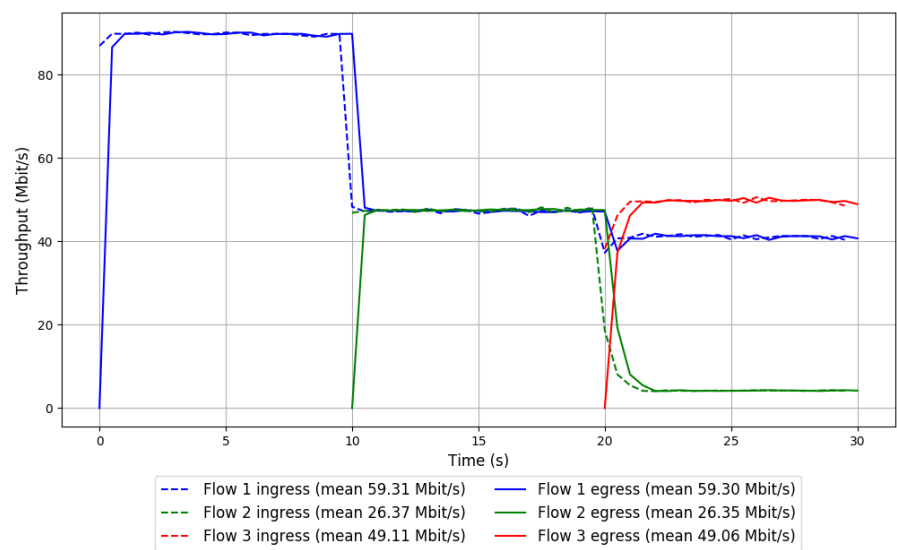


Run 6: Statistics of TaoVA-100x

Start at: 2018-08-22 04:02:27
End at: 2018-08-22 04:02:57
Local clock offset: -7.461 ms
Remote clock offset: -15.496 ms

Below is generated by plot.py at 2018-08-22 06:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 8.621 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.30 Mbit/s
95th percentile per-packet one-way delay: 8.055 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.35 Mbit/s
95th percentile per-packet one-way delay: 9.759 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 49.06 Mbit/s
95th percentile per-packet one-way delay: 6.414 ms
Loss rate: 0.08%

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

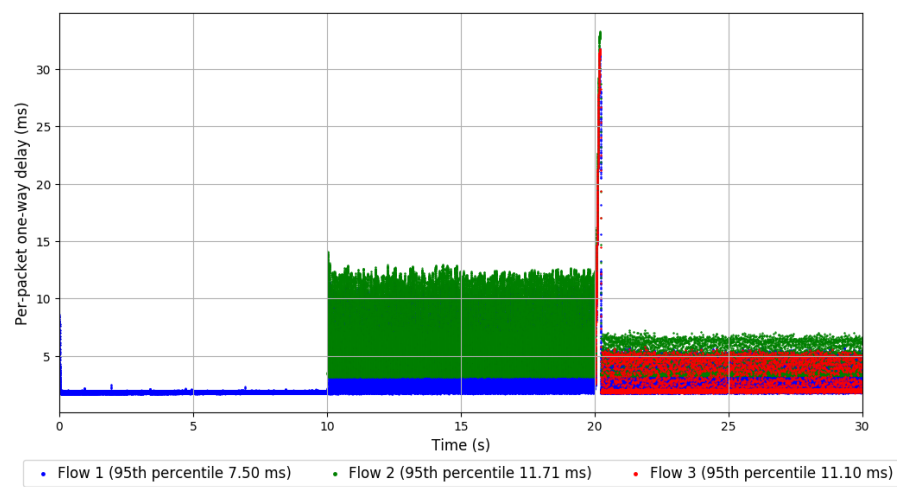
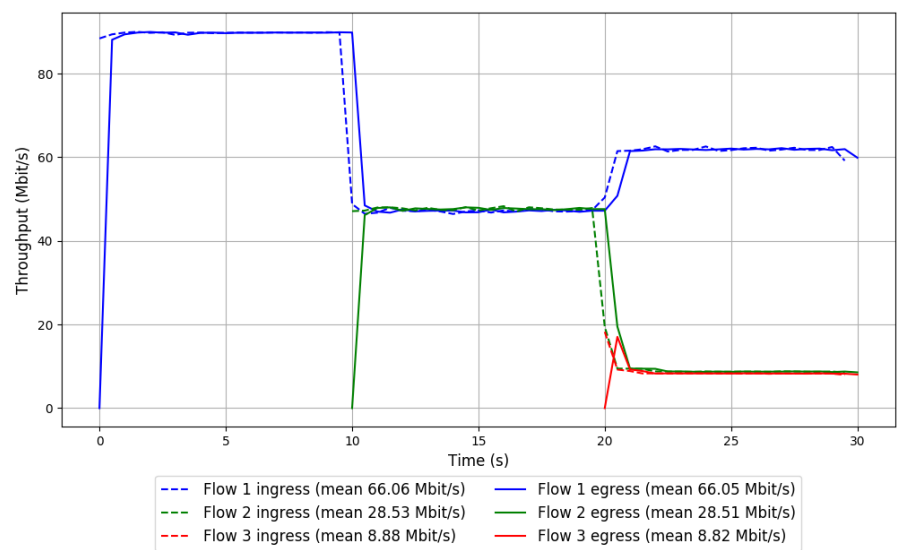


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-22 04:21:37
End at: 2018-08-22 04:22:07
Local clock offset: -4.292 ms
Remote clock offset: -17.933 ms

Below is generated by plot.py at 2018-08-22 06:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 9.956 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 66.05 Mbit/s
95th percentile per-packet one-way delay: 7.504 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 11.711 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 8.82 Mbit/s
95th percentile per-packet one-way delay: 11.097 ms
Loss rate: 0.65%

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

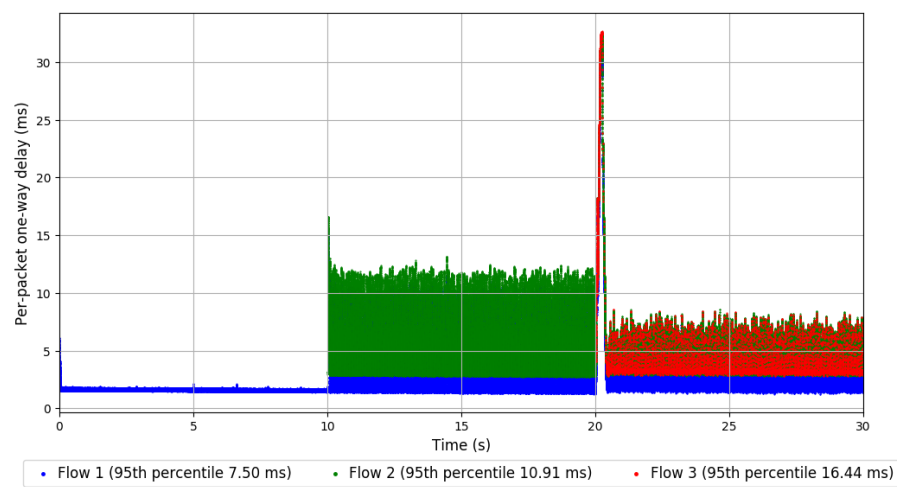
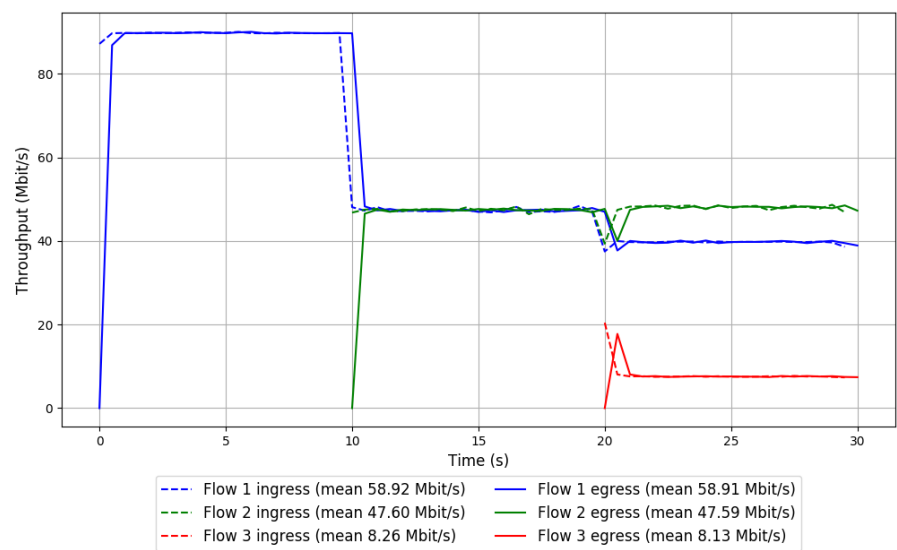


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-22 04:40:48
End at: 2018-08-22 04:41:18
Local clock offset: -3.732 ms
Remote clock offset: -5.098 ms

Below is generated by plot.py at 2018-08-22 06:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 93.32 Mbit/s
95th percentile per-packet one-way delay: 9.537 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 58.91 Mbit/s
95th percentile per-packet one-way delay: 7.495 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 47.59 Mbit/s
95th percentile per-packet one-way delay: 10.908 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.13 Mbit/s
95th percentile per-packet one-way delay: 16.438 ms
Loss rate: 1.60%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-08-22 04:59:59

End at: 2018-08-22 05:00:29

Local clock offset: -4.137 ms

Remote clock offset: 1.986 ms

Below is generated by plot.py at 2018-08-22 06:03:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 9.409 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 7.761 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 11.219 ms

Loss rate: 0.01%

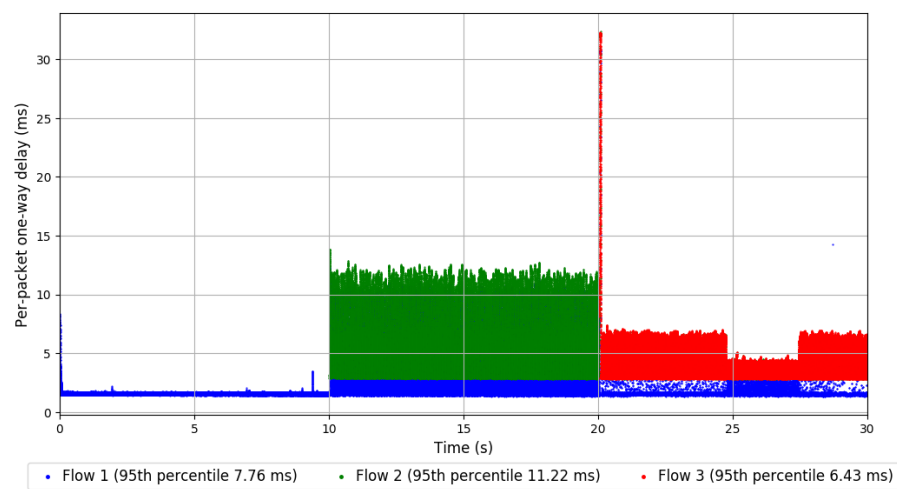
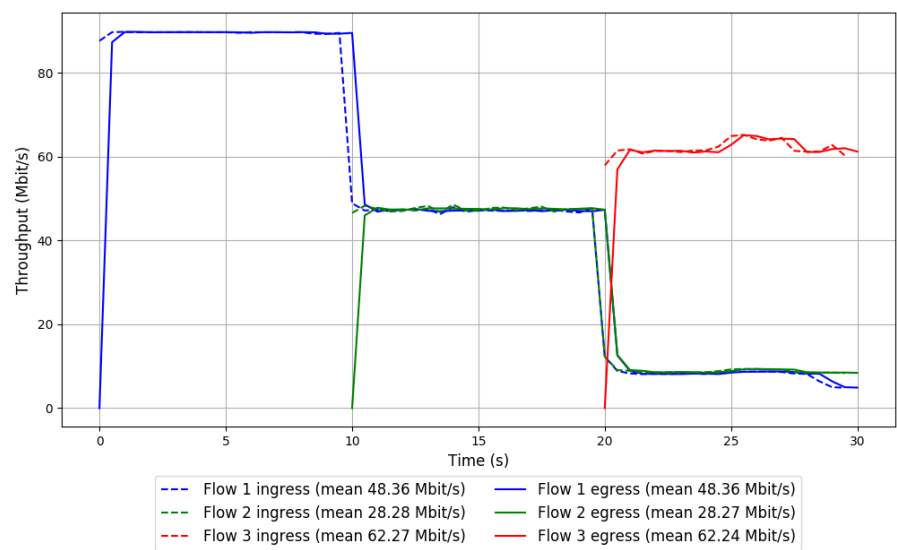
-- Flow 3:

Average throughput: 62.24 Mbit/s

95th percentile per-packet one-way delay: 6.433 ms

Loss rate: 0.05%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-22 05:19:09

End at: 2018-08-22 05:19:39

Local clock offset: -4.664 ms

Remote clock offset: 3.955 ms

Below is generated by plot.py at 2018-08-22 06:03:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.78 Mbit/s

95th percentile per-packet one-way delay: 9.608 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 65.78 Mbit/s

95th percentile per-packet one-way delay: 9.616 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.77 Mbit/s

95th percentile per-packet one-way delay: 9.531 ms

Loss rate: 0.02%

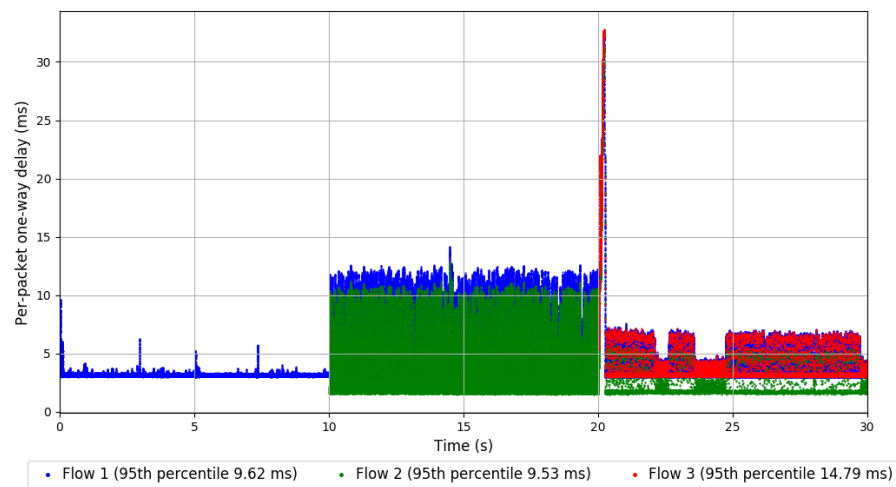
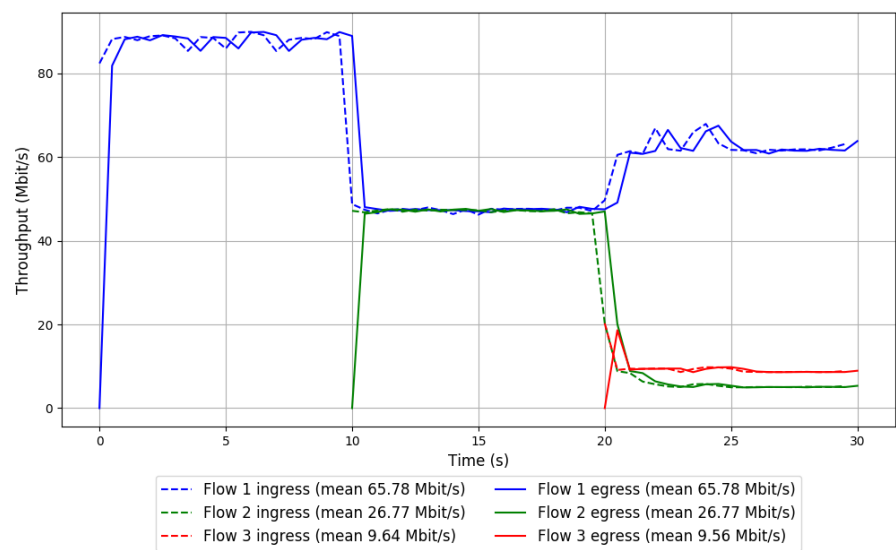
-- Flow 3:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 14.793 ms

Loss rate: 0.82%

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

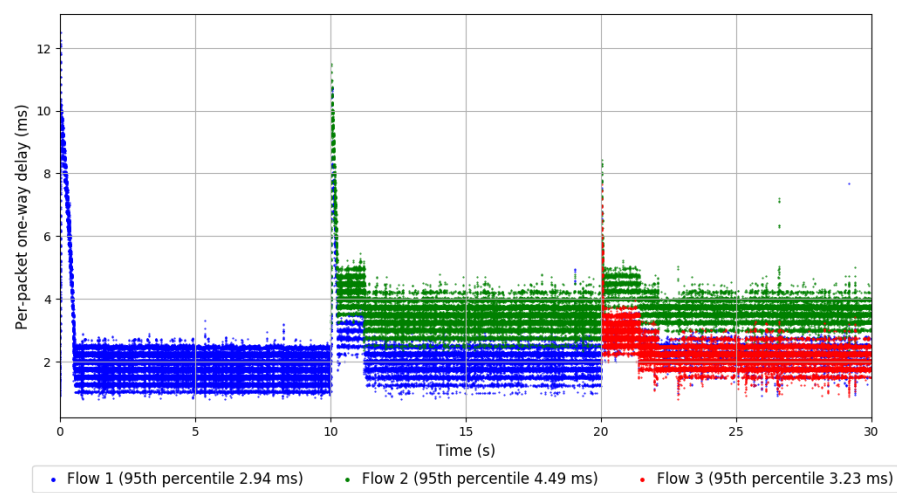
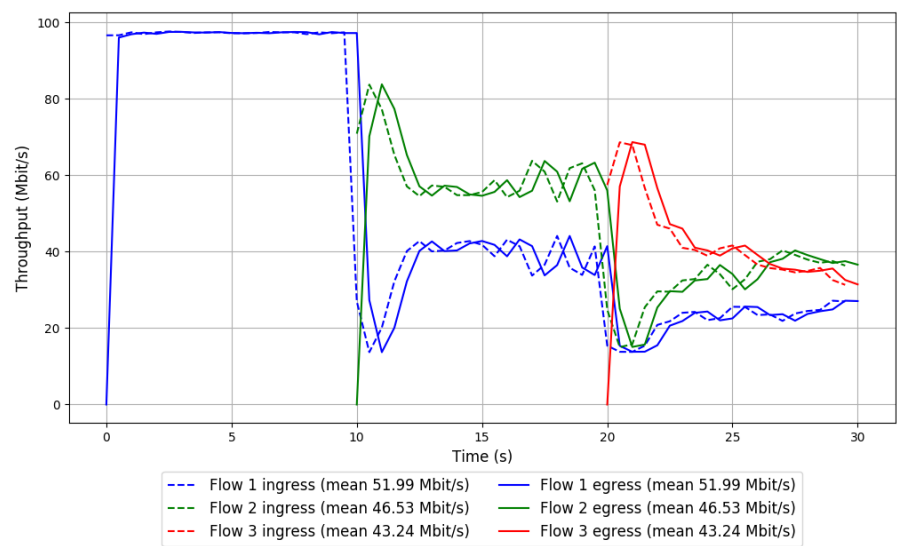


Run 1: Statistics of TCP Vegas

Start at: 2018-08-22 02:35:32
End at: 2018-08-22 02:36:02
Local clock offset: -6.088 ms
Remote clock offset: -2.217 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 4.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.99 Mbit/s
95th percentile per-packet one-way delay: 2.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.53 Mbit/s
95th percentile per-packet one-way delay: 4.489 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 3.225 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

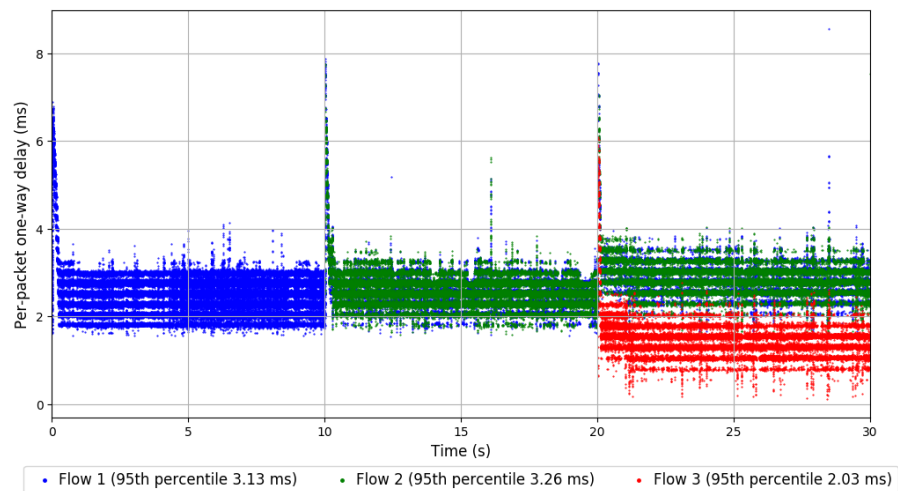
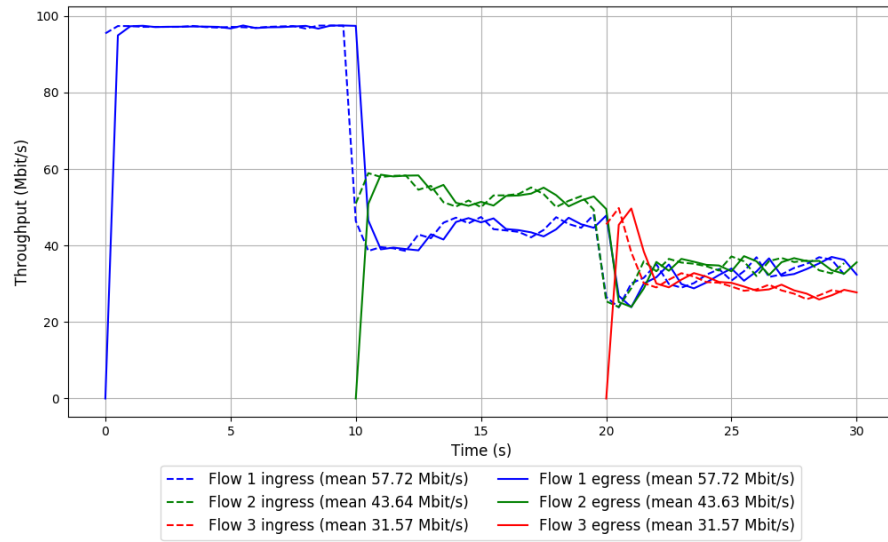


Run 2: Statistics of TCP Vegas

Start at: 2018-08-22 02:54:43
End at: 2018-08-22 02:55:13
Local clock offset: -2.288 ms
Remote clock offset: -1.697 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 3.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.72 Mbit/s
95th percentile per-packet one-way delay: 3.128 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 2.031 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

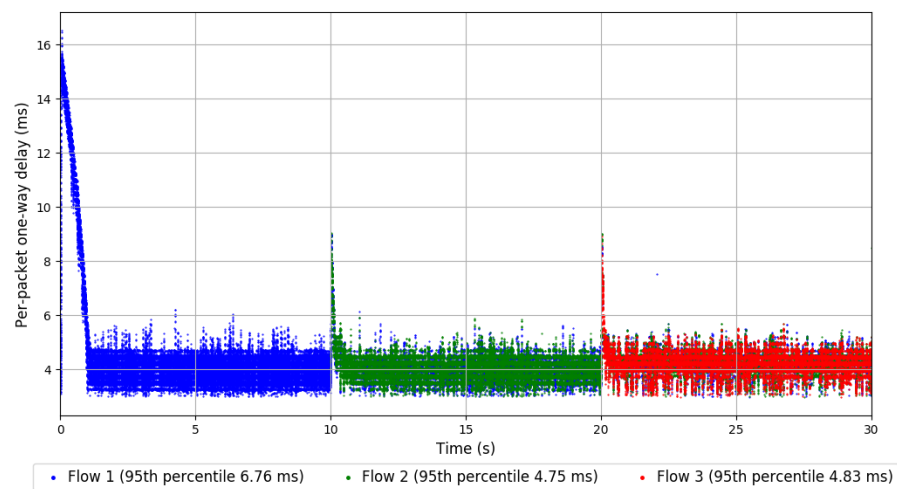
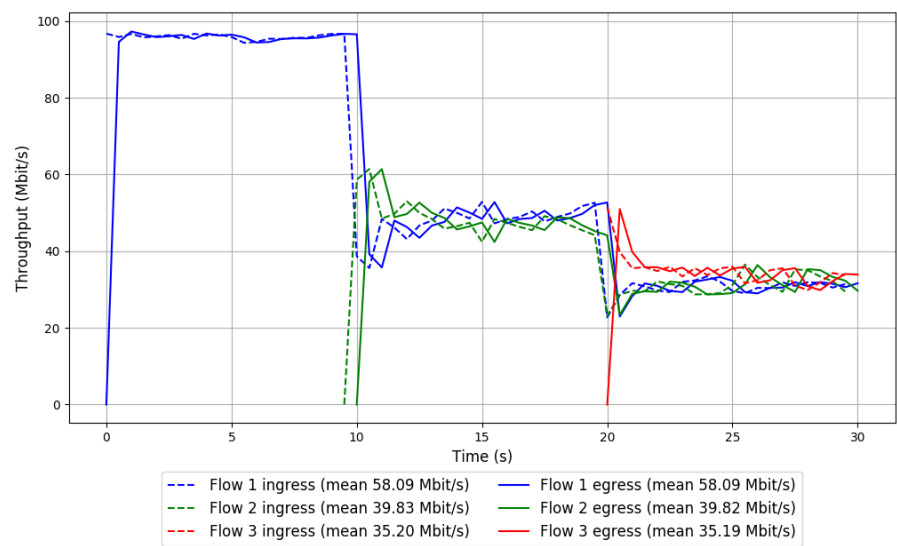


Run 3: Statistics of TCP Vegas

Start at: 2018-08-22 03:13:54
End at: 2018-08-22 03:14:24
Local clock offset: -3.629 ms
Remote clock offset: -1.303 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 4.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.09 Mbit/s
95th percentile per-packet one-way delay: 6.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 4.755 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 35.19 Mbit/s
95th percentile per-packet one-way delay: 4.833 ms
Loss rate: 0.02%

Run 3: Report of TCP Vegas — Data Link

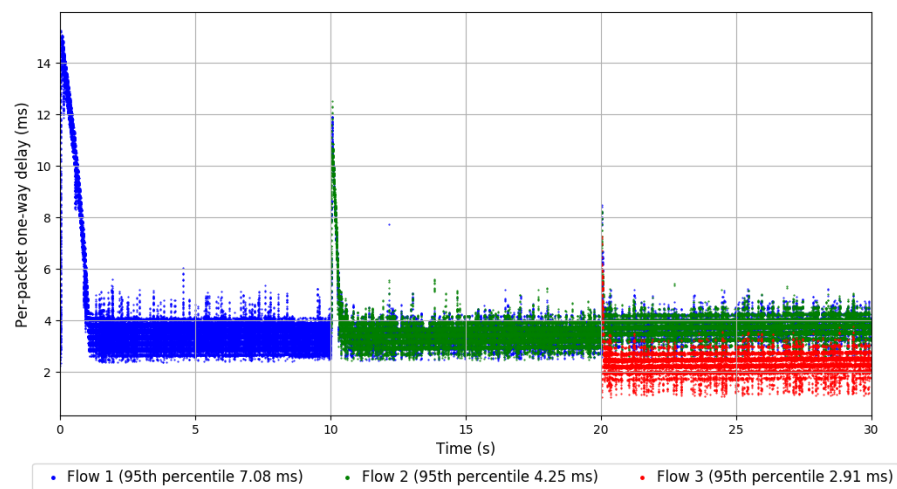
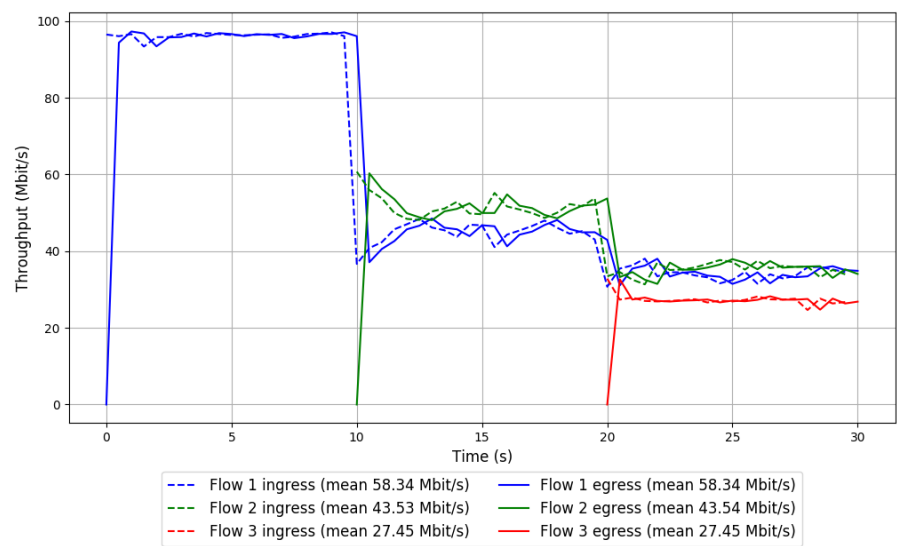


Run 4: Statistics of TCP Vegas

Start at: 2018-08-22 03:33:05
End at: 2018-08-22 03:33:35
Local clock offset: -2.833 ms
Remote clock offset: -9.581 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 4.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 7.084 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 2.914 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

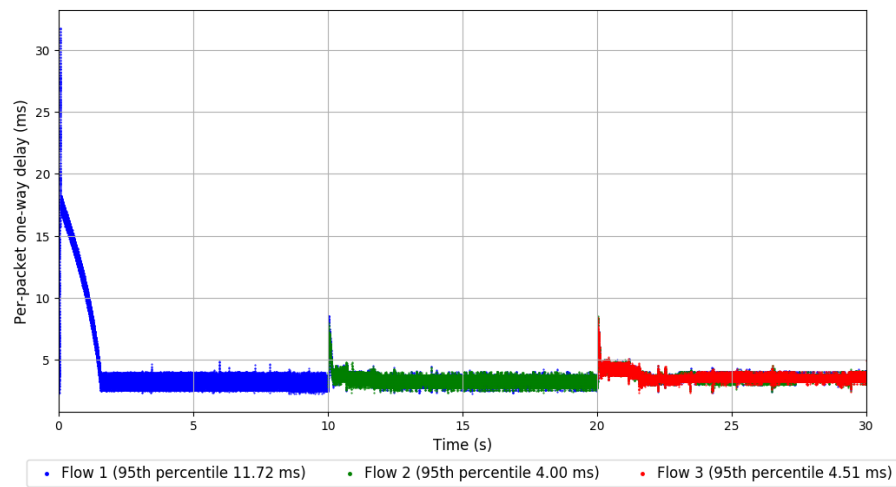
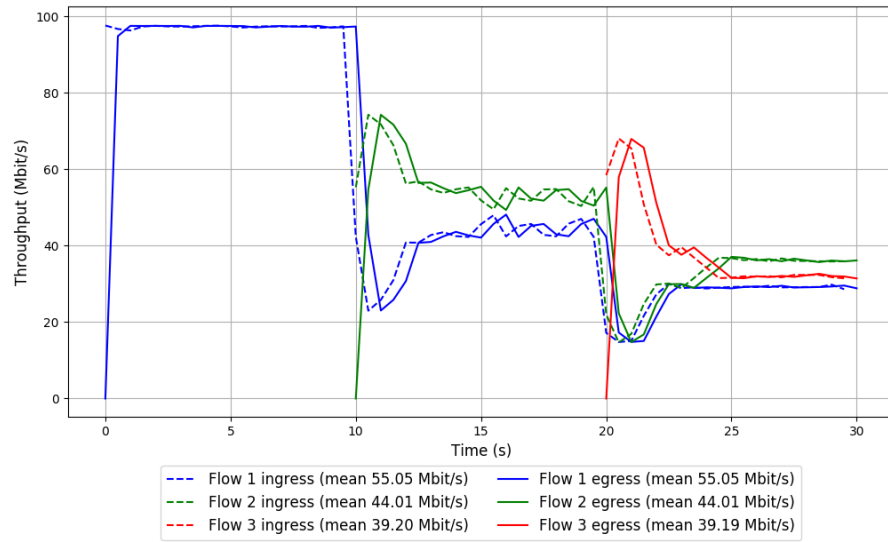


Run 5: Statistics of TCP Vegas

Start at: 2018-08-22 03:52:15
End at: 2018-08-22 03:52:45
Local clock offset: -5.984 ms
Remote clock offset: -14.082 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 5.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 11.717 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.01 Mbit/s
95th percentile per-packet one-way delay: 4.003 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 4.515 ms
Loss rate: 0.02%

Run 5: Report of TCP Vegas — Data Link

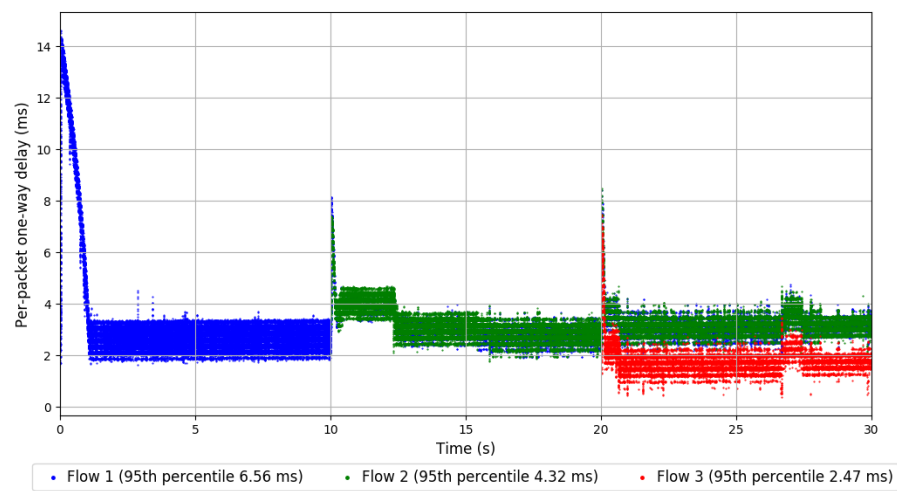
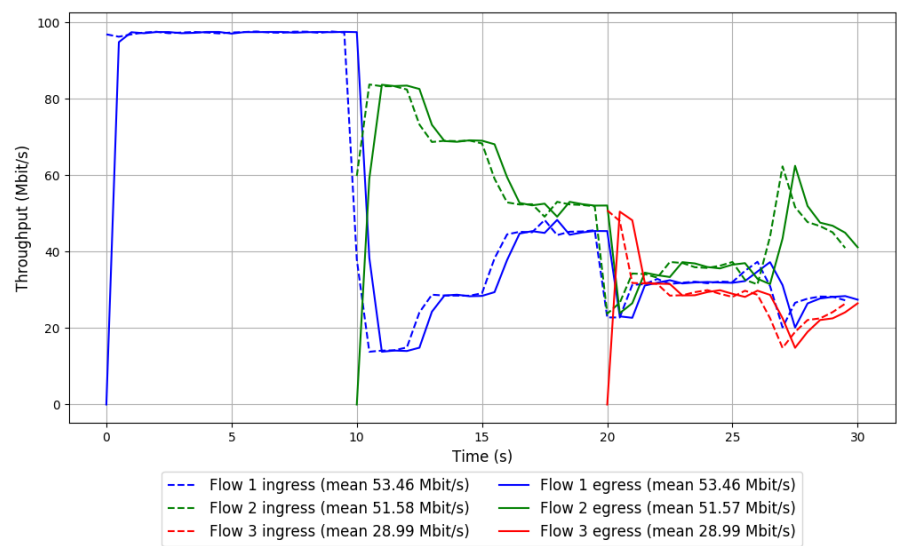


Run 6: Statistics of TCP Vegas

Start at: 2018-08-22 04:11:26
End at: 2018-08-22 04:11:56
Local clock offset: -4.558 ms
Remote clock offset: -16.751 ms

Below is generated by plot.py at 2018-08-22 06:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 4.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.46 Mbit/s
95th percentile per-packet one-way delay: 6.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.57 Mbit/s
95th percentile per-packet one-way delay: 4.317 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 28.99 Mbit/s
95th percentile per-packet one-way delay: 2.467 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

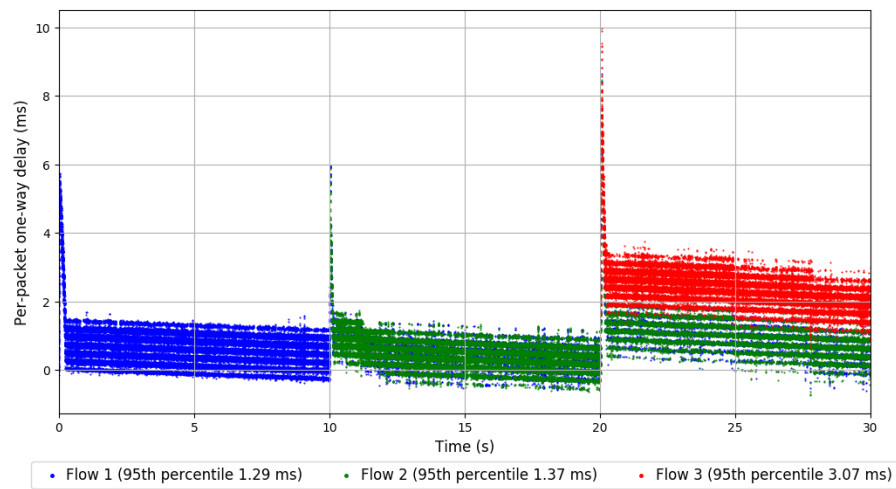
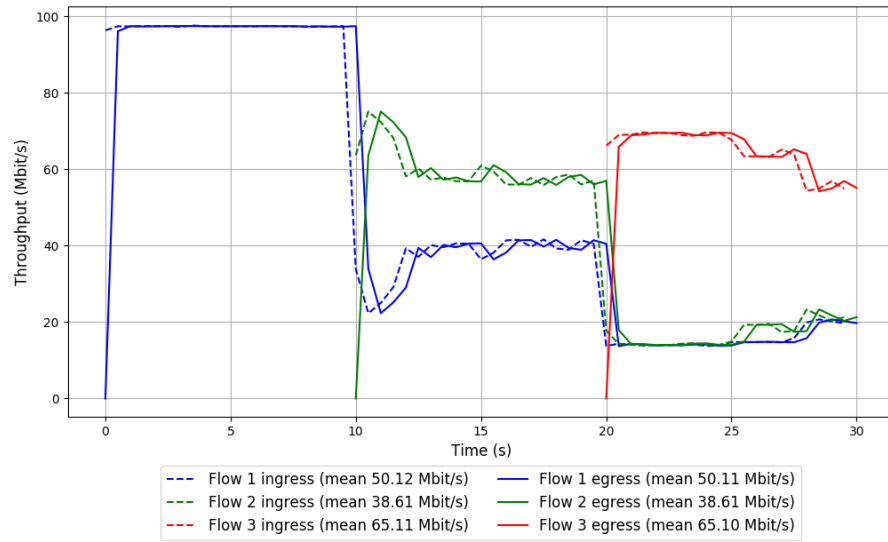


Run 7: Statistics of TCP Vegas

Start at: 2018-08-22 04:30:36
End at: 2018-08-22 04:31:06
Local clock offset: -2.115 ms
Remote clock offset: -17.012 ms

Below is generated by plot.py at 2018-08-22 06:04:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 2.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.11 Mbit/s
95th percentile per-packet one-way delay: 1.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.61 Mbit/s
95th percentile per-packet one-way delay: 1.373 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 3.071 ms
Loss rate: 0.01%

Run 7: Report of TCP Vegas — Data Link

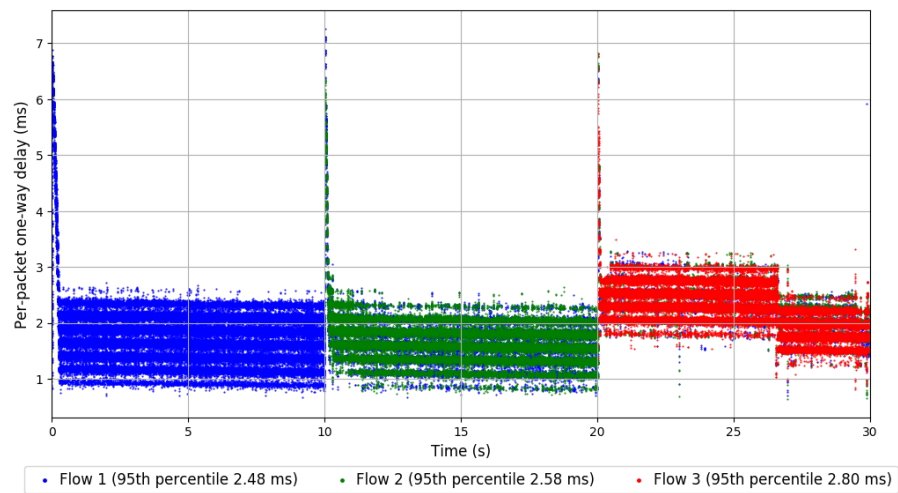
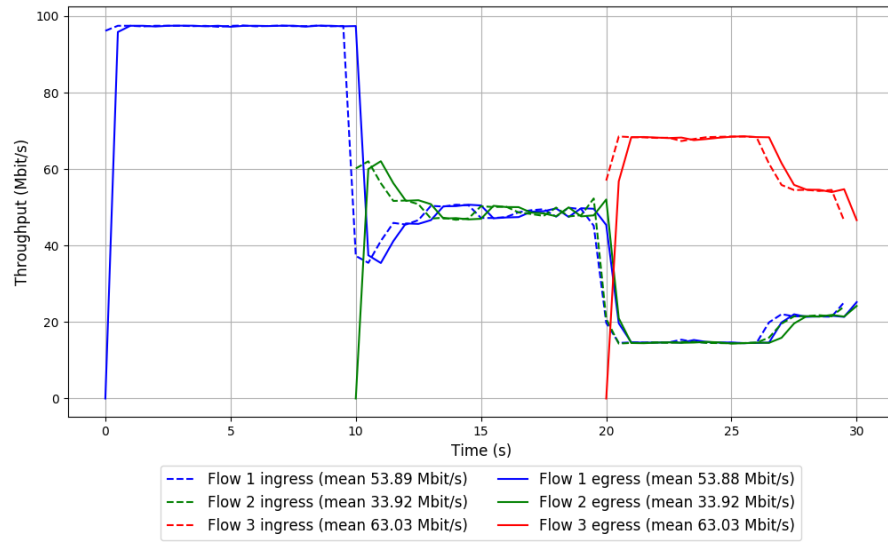


Run 8: Statistics of TCP Vegas

Start at: 2018-08-22 04:49:48
End at: 2018-08-22 04:50:18
Local clock offset: -3.248 ms
Remote clock offset: -0.703 ms

Below is generated by plot.py at 2018-08-22 06:04:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 2.747 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.88 Mbit/s
95th percentile per-packet one-way delay: 2.484 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.92 Mbit/s
95th percentile per-packet one-way delay: 2.575 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 2.802 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-08-22 05:08:57

End at: 2018-08-22 05:09:27

Local clock offset: -4.287 ms

Remote clock offset: 3.058 ms

Below is generated by plot.py at 2018-08-22 06:04:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.11 Mbit/s

95th percentile per-packet one-way delay: 5.076 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 4.807 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.00 Mbit/s

95th percentile per-packet one-way delay: 3.559 ms

Loss rate: 0.00%

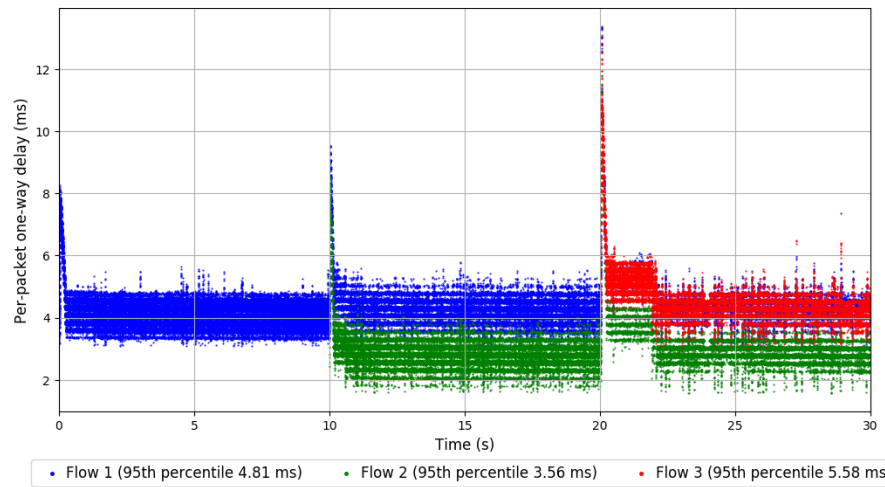
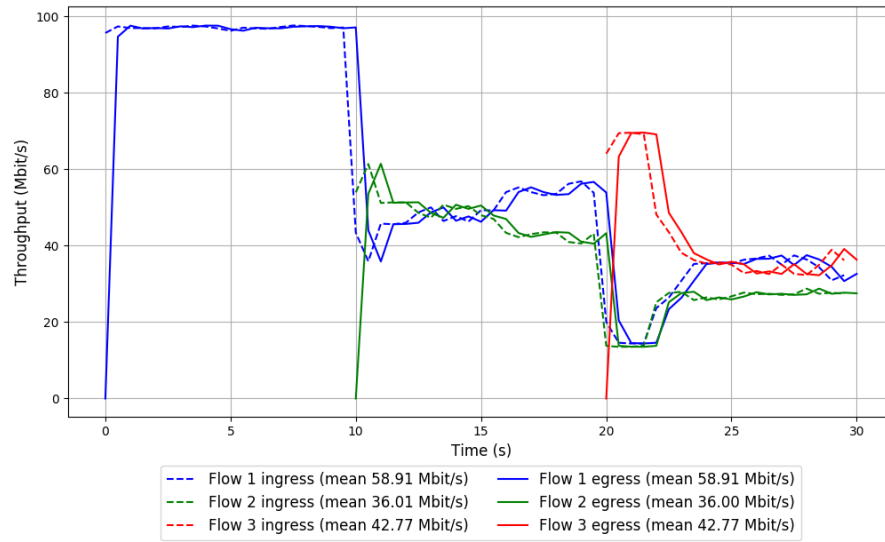
-- Flow 3:

Average throughput: 42.77 Mbit/s

95th percentile per-packet one-way delay: 5.581 ms

Loss rate: 0.02%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-08-22 05:28:07

End at: 2018-08-22 05:28:37

Local clock offset: -4.035 ms

Remote clock offset: 5.092 ms

Below is generated by plot.py at 2018-08-22 06:04:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.50 Mbit/s

95th percentile per-packet one-way delay: 4.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 2.683 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 2.827 ms

Loss rate: 0.00%

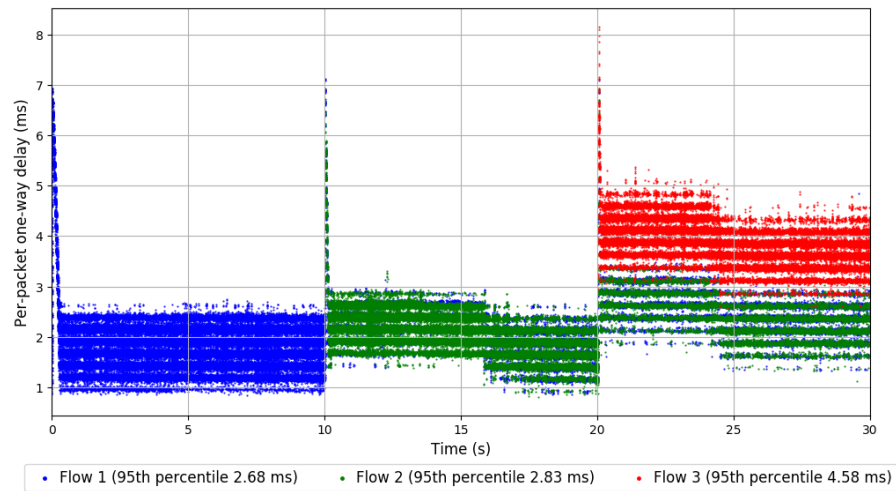
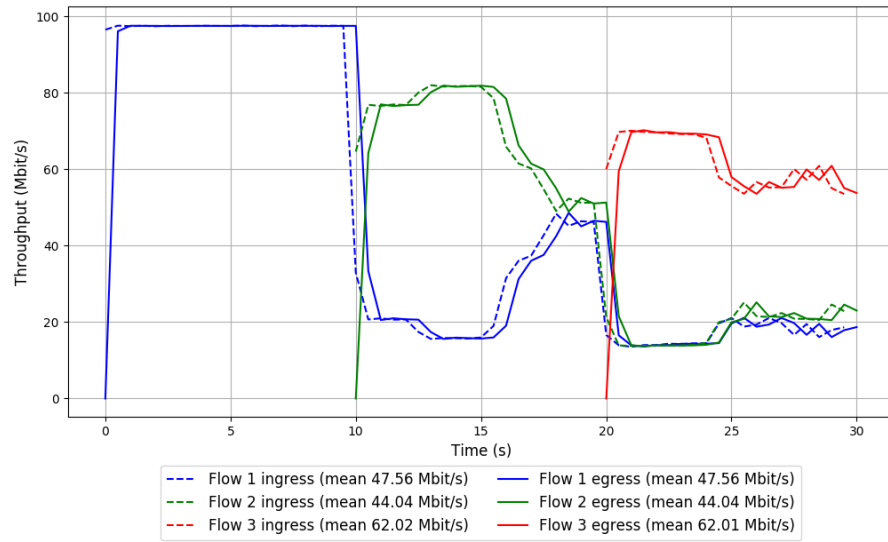
-- Flow 3:

Average throughput: 62.01 Mbit/s

95th percentile per-packet one-way delay: 4.583 ms

Loss rate: 0.01%

Run 10: Report of TCP Vegas — Data Link

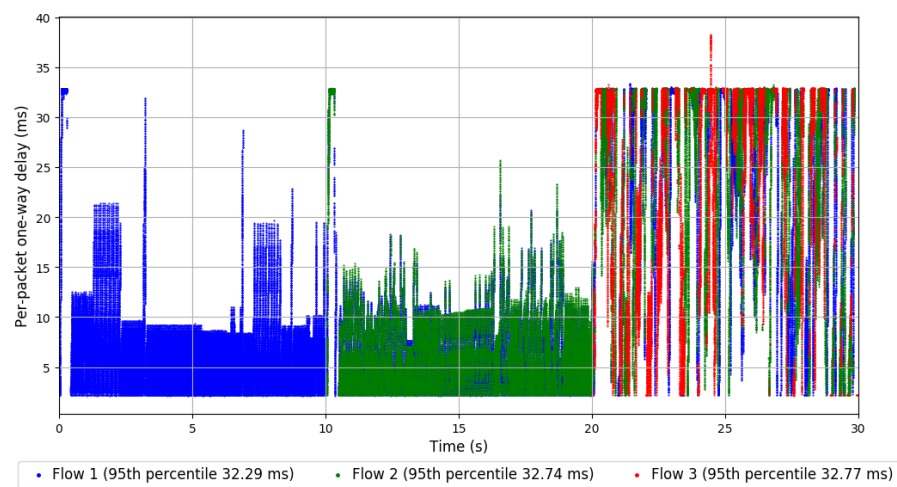
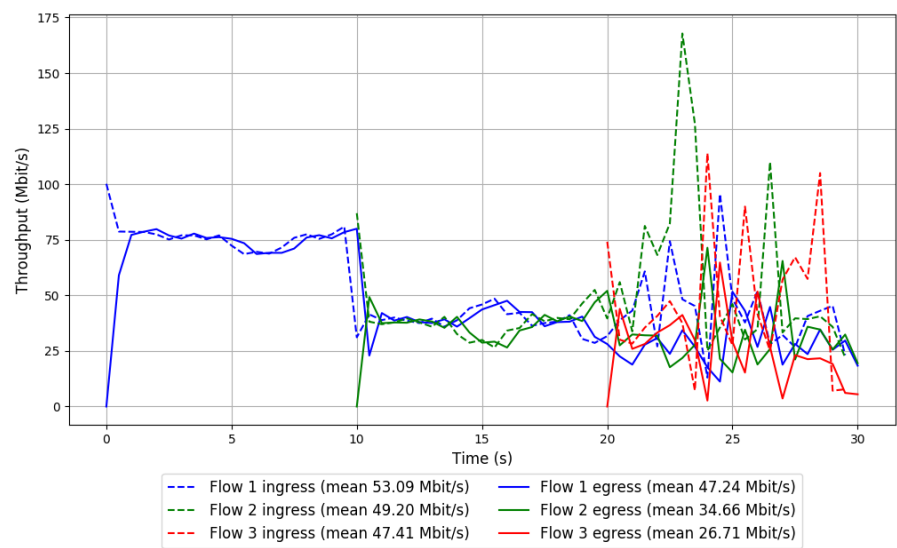


Run 1: Statistics of Verus

Start at: 2018-08-22 02:31:09
End at: 2018-08-22 02:31:39
Local clock offset: -6.142 ms
Remote clock offset: -2.405 ms

Below is generated by plot.py at 2018-08-22 06:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.84 Mbit/s
95th percentile per-packet one-way delay: 32.710 ms
Loss rate: 21.99%
-- Flow 1:
Average throughput: 47.24 Mbit/s
95th percentile per-packet one-way delay: 32.293 ms
Loss rate: 10.94%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 32.737 ms
Loss rate: 29.45%
-- Flow 3:
Average throughput: 26.71 Mbit/s
95th percentile per-packet one-way delay: 32.765 ms
Loss rate: 43.70%

Run 1: Report of Verus — Data Link

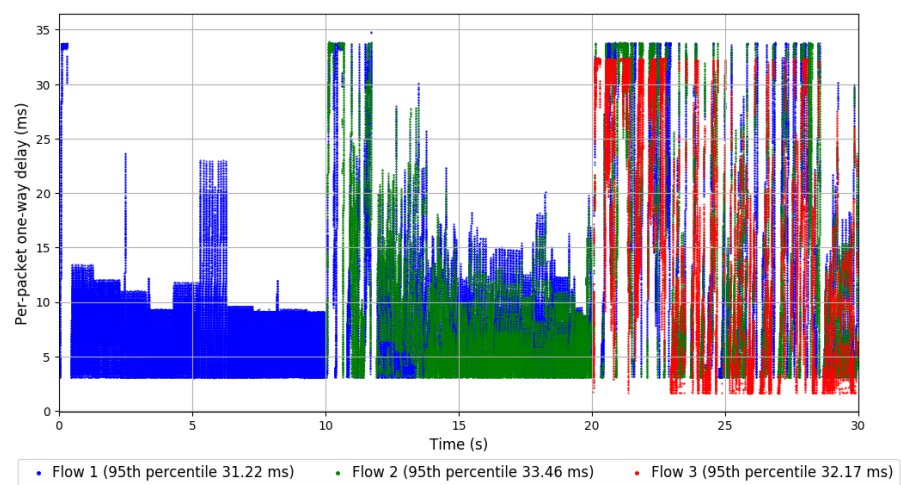
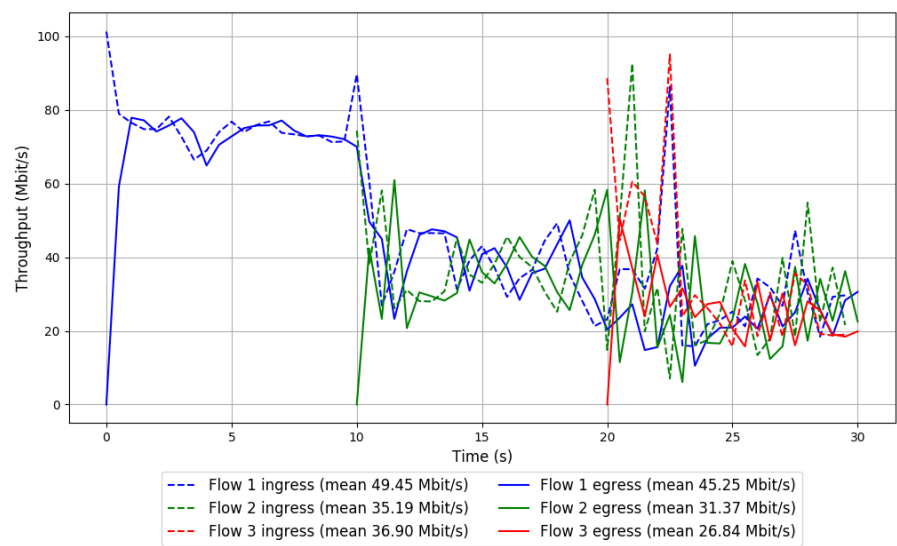


Run 2: Statistics of Verus

Start at: 2018-08-22 02:50:20
End at: 2018-08-22 02:50:50
Local clock offset: -4.266 ms
Remote clock offset: -1.951 ms

Below is generated by plot.py at 2018-08-22 06:04:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 32.213 ms
Loss rate: 11.82%
-- Flow 1:
Average throughput: 45.25 Mbit/s
95th percentile per-packet one-way delay: 31.217 ms
Loss rate: 8.49%
-- Flow 2:
Average throughput: 31.37 Mbit/s
95th percentile per-packet one-way delay: 33.460 ms
Loss rate: 10.82%
-- Flow 3:
Average throughput: 26.84 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 27.22%

Run 2: Report of Verus — Data Link

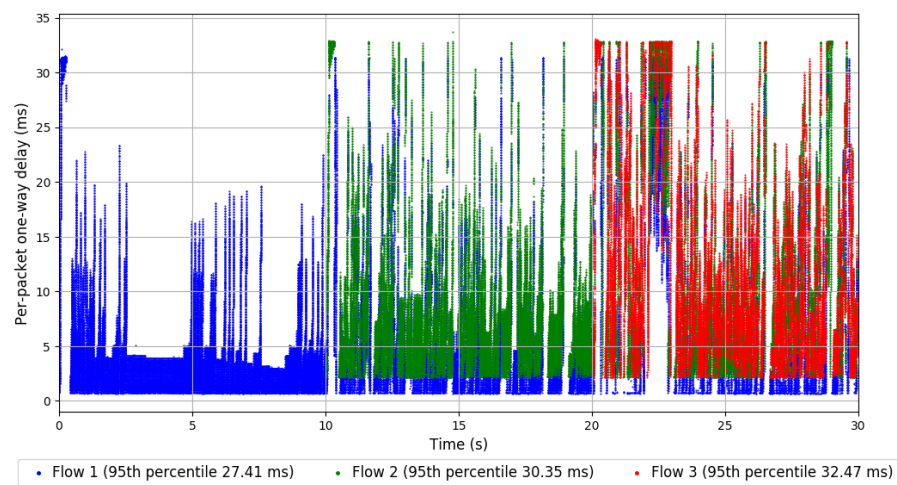
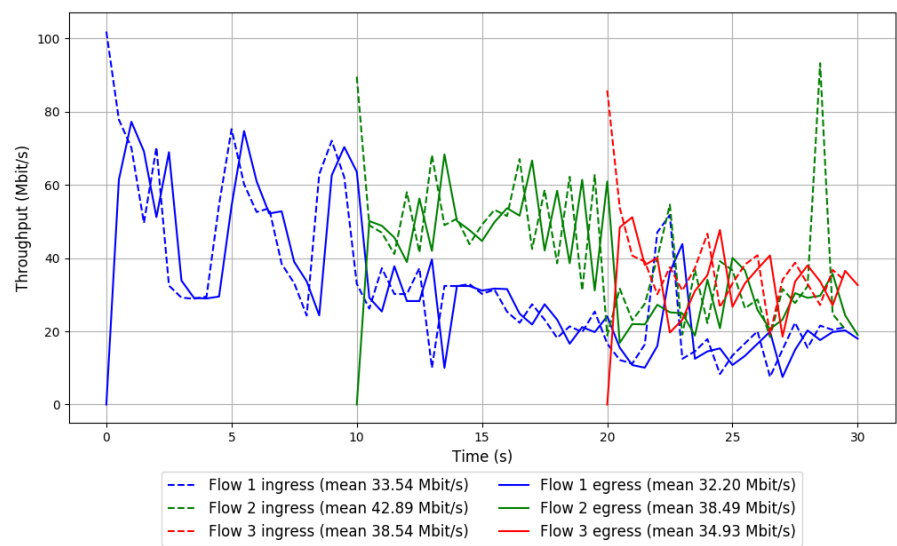


Run 3: Statistics of Verus

Start at: 2018-08-22 03:09:32
End at: 2018-08-22 03:10:02
Local clock offset: -2.514 ms
Remote clock offset: -1.382 ms

Below is generated by plot.py at 2018-08-22 06:04:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 29.499 ms
Loss rate: 7.25%
-- Flow 1:
Average throughput: 32.20 Mbit/s
95th percentile per-packet one-way delay: 27.415 ms
Loss rate: 3.94%
-- Flow 2:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 30.348 ms
Loss rate: 10.21%
-- Flow 3:
Average throughput: 34.93 Mbit/s
95th percentile per-packet one-way delay: 32.465 ms
Loss rate: 9.31%

Run 3: Report of Verus — Data Link

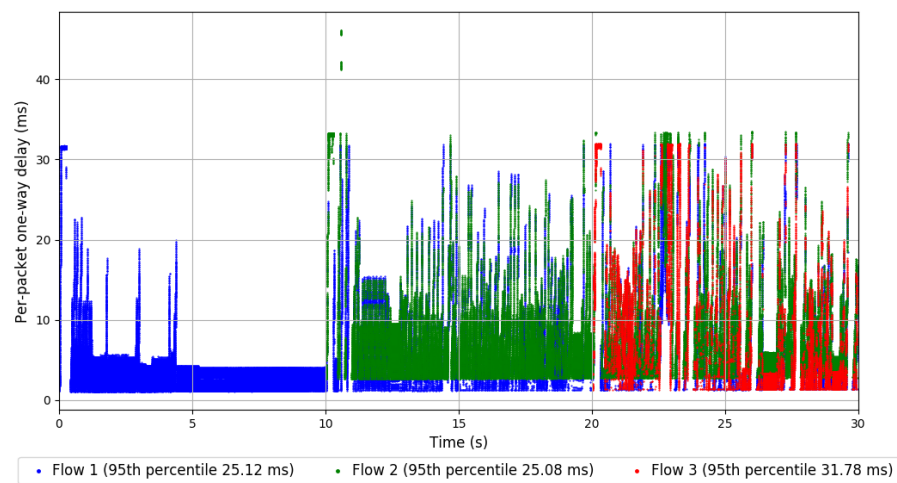
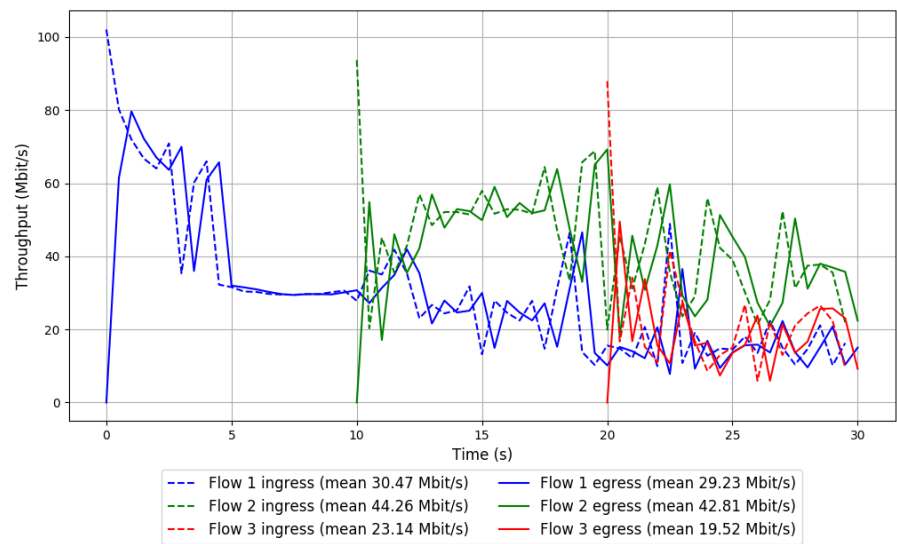


Run 4: Statistics of Verus

Start at: 2018-08-22 03:28:42
End at: 2018-08-22 03:29:12
Local clock offset: -2.956 ms
Remote clock offset: -7.402 ms

Below is generated by plot.py at 2018-08-22 06:04:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 64.20 Mbit/s
95th percentile per-packet one-way delay: 27.735 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 25.116 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 42.81 Mbit/s
95th percentile per-packet one-way delay: 25.081 ms
Loss rate: 3.27%
-- Flow 3:
Average throughput: 19.52 Mbit/s
95th percentile per-packet one-way delay: 31.783 ms
Loss rate: 15.69%

Run 4: Report of Verus — Data Link

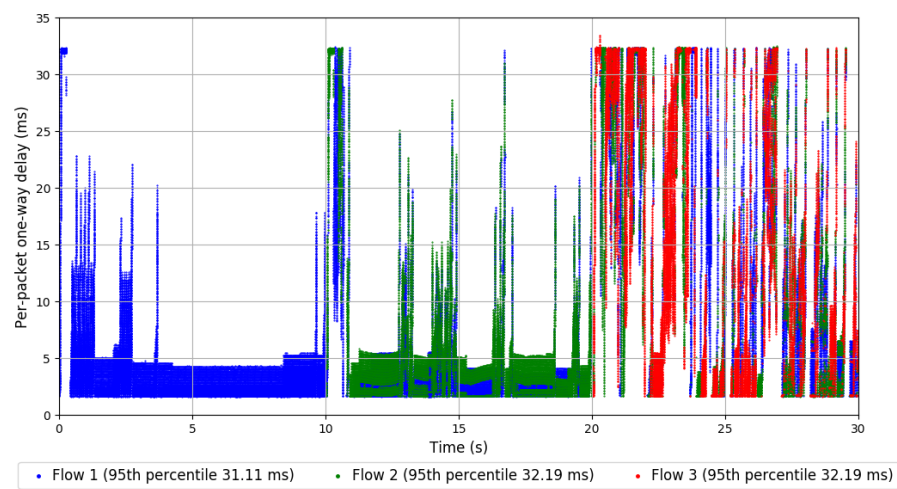
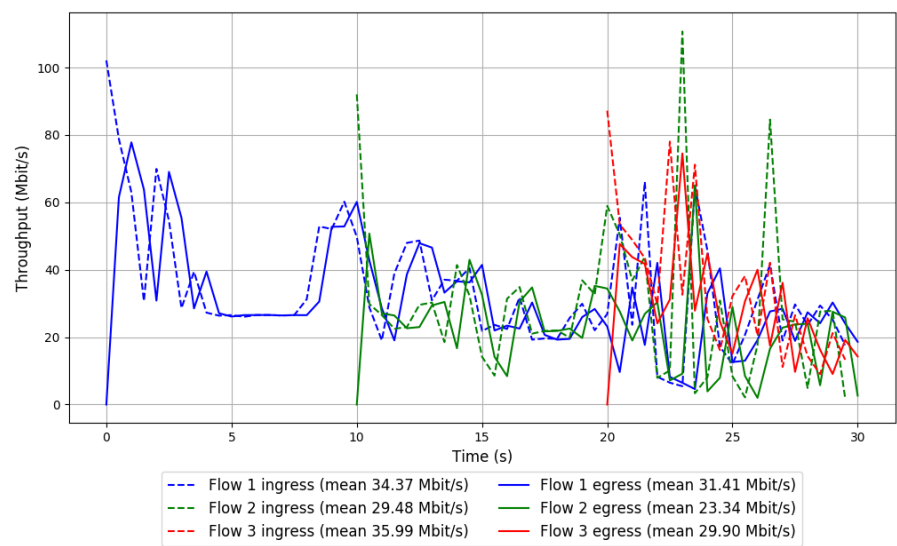


Run 5: Statistics of Verus

Start at: 2018-08-22 03:47:53
End at: 2018-08-22 03:48:23
Local clock offset: -6.275 ms
Remote clock offset: -13.34 ms

Below is generated by plot.py at 2018-08-22 06:04:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.83 Mbit/s
95th percentile per-packet one-way delay: 32.094 ms
Loss rate: 13.74%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 31.113 ms
Loss rate: 8.62%
-- Flow 2:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 32.185 ms
Loss rate: 20.80%
-- Flow 3:
Average throughput: 29.90 Mbit/s
95th percentile per-packet one-way delay: 32.189 ms
Loss rate: 16.92%

Run 5: Report of Verus — Data Link

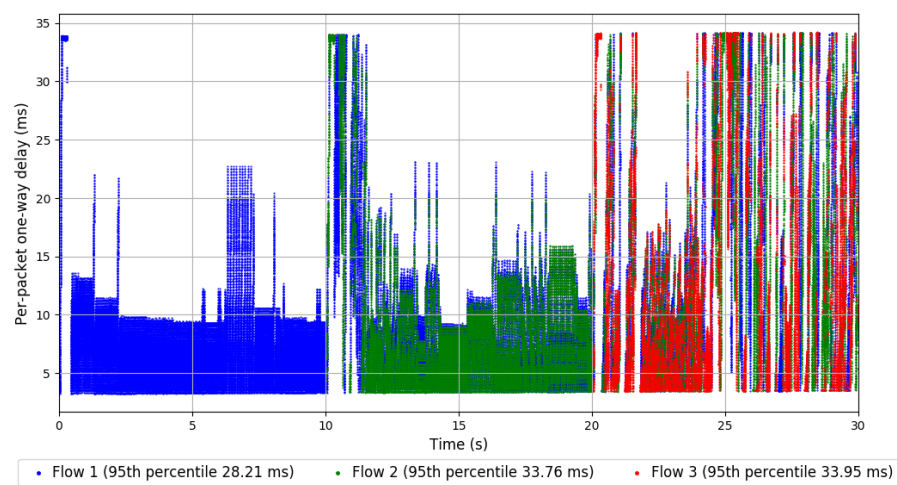
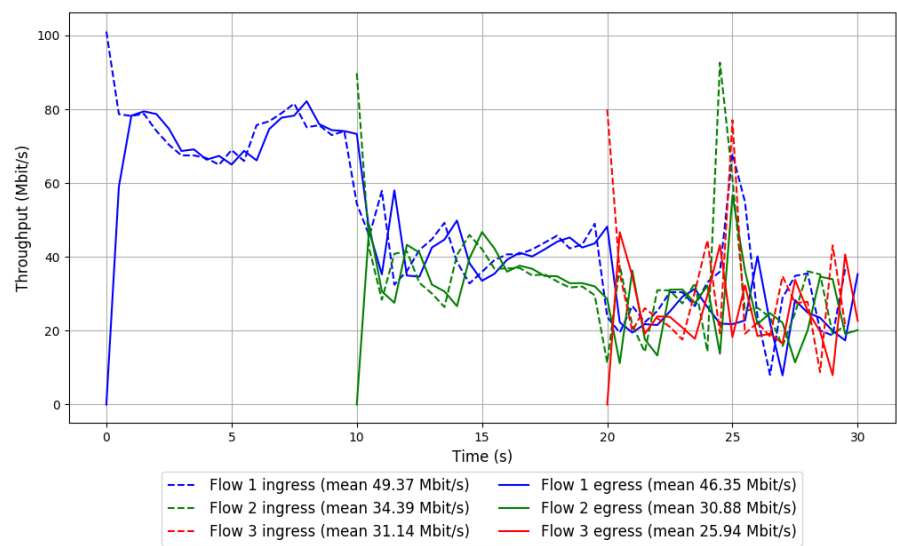


Run 6: Statistics of Verus

Start at: 2018-08-22 04:07:03
End at: 2018-08-22 04:07:33
Local clock offset: -7.565 ms
Remote clock offset: -16.106 ms

Below is generated by plot.py at 2018-08-22 06:05:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.47 Mbit/s
95th percentile per-packet one-way delay: 32.492 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 28.212 ms
Loss rate: 6.04%
-- Flow 2:
Average throughput: 30.88 Mbit/s
95th percentile per-packet one-way delay: 33.760 ms
Loss rate: 10.20%
-- Flow 3:
Average throughput: 25.94 Mbit/s
95th percentile per-packet one-way delay: 33.947 ms
Loss rate: 16.73%

Run 6: Report of Verus — Data Link

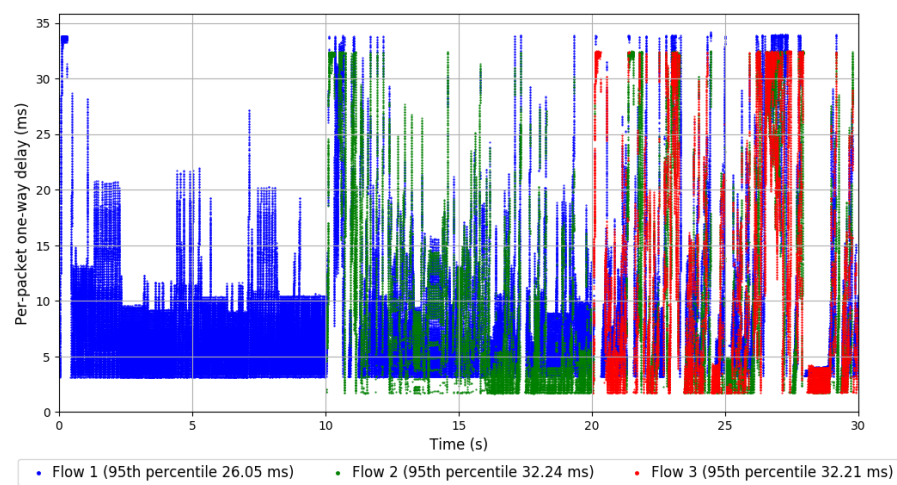
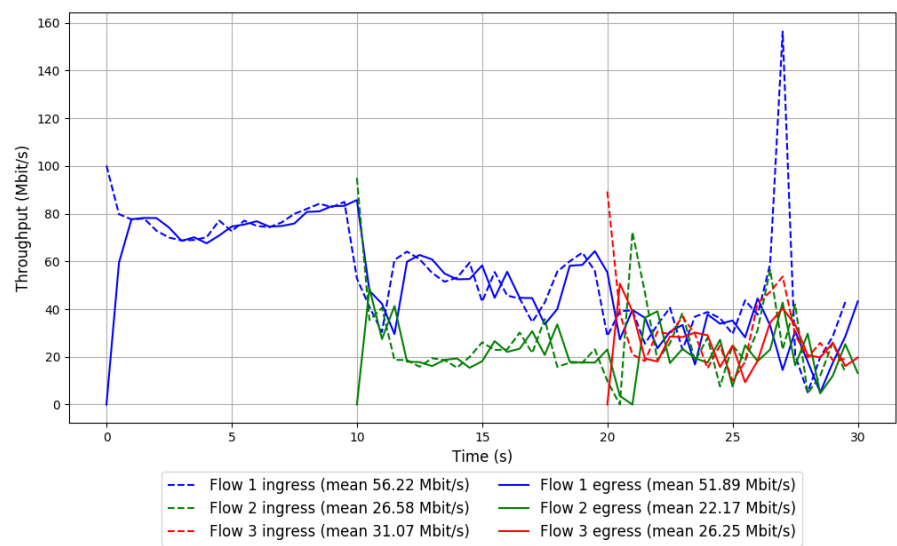


Run 7: Statistics of Verus

Start at: 2018-08-22 04:26:13
End at: 2018-08-22 04:26:43
Local clock offset: -3.904 ms
Remote clock offset: -18.507 ms

Below is generated by plot.py at 2018-08-22 06:05:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 31.580 ms
Loss rate: 10.47%
-- Flow 1:
Average throughput: 51.89 Mbit/s
95th percentile per-packet one-way delay: 26.049 ms
Loss rate: 7.68%
-- Flow 2:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 32.242 ms
Loss rate: 16.50%
-- Flow 3:
Average throughput: 26.25 Mbit/s
95th percentile per-packet one-way delay: 32.207 ms
Loss rate: 15.46%

Run 7: Report of Verus — Data Link

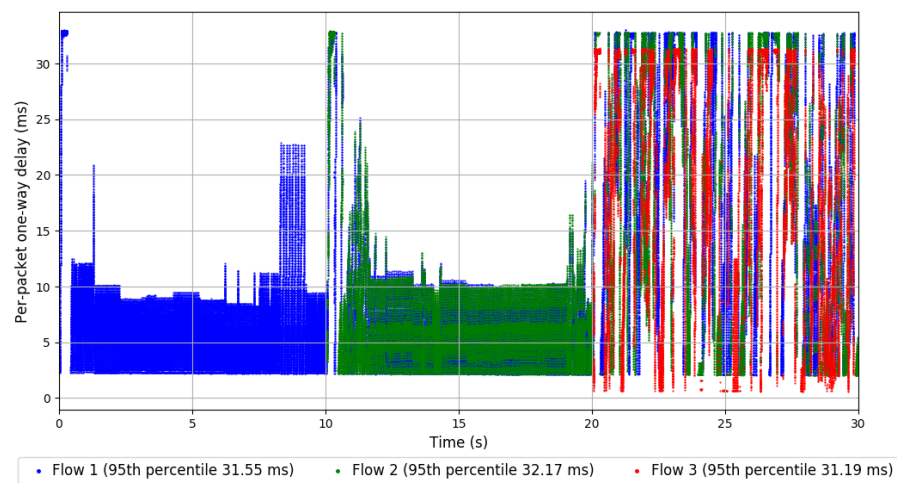
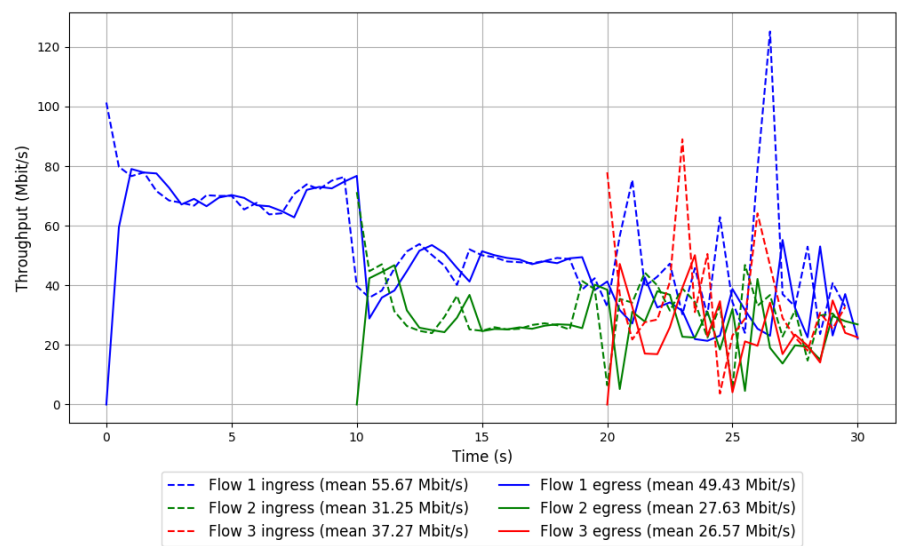


Run 8: Statistics of Verus

Start at: 2018-08-22 04:45:25
End at: 2018-08-22 04:45:55
Local clock offset: -3.151 ms
Remote clock offset: -2.429 ms

```
# Below is generated by plot.py at 2018-08-22 06:05:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.33 Mbit/s
95th percentile per-packet one-way delay: 31.372 ms
Loss rate: 13.62%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 31.555 ms
Loss rate: 11.12%
-- Flow 2:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 32.169 ms
Loss rate: 11.59%
-- Flow 3:
Average throughput: 26.57 Mbit/s
95th percentile per-packet one-way delay: 31.189 ms
Loss rate: 28.49%
```

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-08-22 05:04:35

End at: 2018-08-22 05:05:05

Local clock offset: -3.308 ms

Remote clock offset: 2.929 ms

Below is generated by plot.py at 2018-08-22 06:05:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.94 Mbit/s

95th percentile per-packet one-way delay: 31.055 ms

Loss rate: 8.05%

-- Flow 1:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 28.395 ms

Loss rate: 6.79%

-- Flow 2:

Average throughput: 33.37 Mbit/s

95th percentile per-packet one-way delay: 32.361 ms

Loss rate: 7.46%

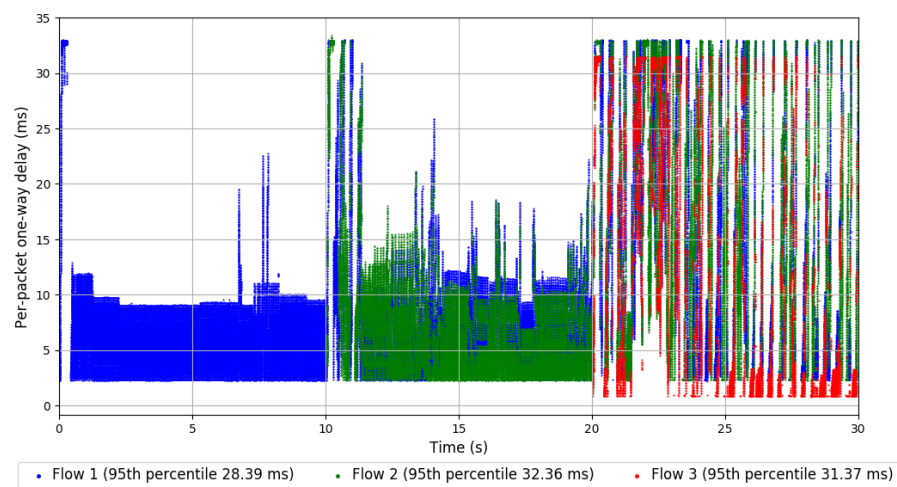
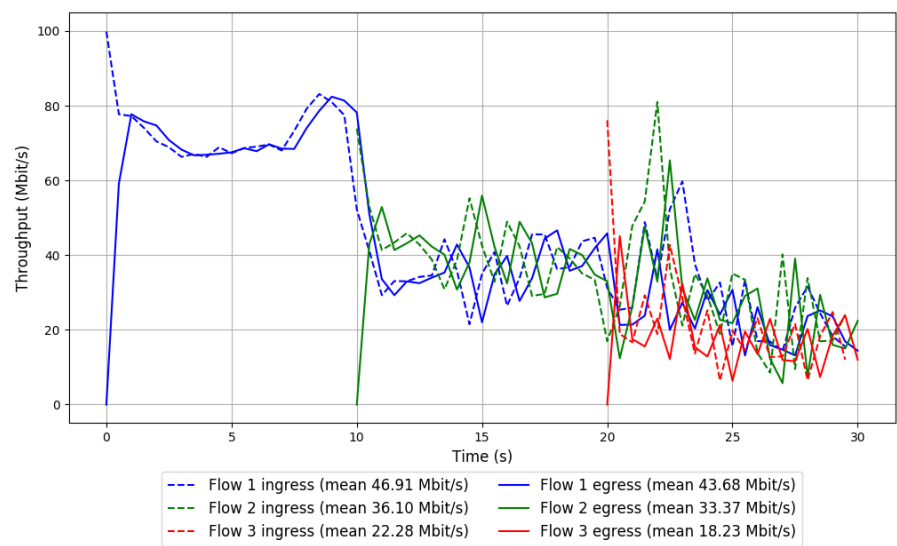
-- Flow 3:

Average throughput: 18.23 Mbit/s

95th percentile per-packet one-way delay: 31.368 ms

Loss rate: 17.99%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-08-22 05:23:44

End at: 2018-08-22 05:24:14

Local clock offset: -3.978 ms

Remote clock offset: 4.526 ms

Below is generated by plot.py at 2018-08-22 06:05:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.01 Mbit/s

95th percentile per-packet one-way delay: 31.175 ms

Loss rate: 22.50%

-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 29.369 ms

Loss rate: 5.76%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 31.095 ms

Loss rate: 23.60%

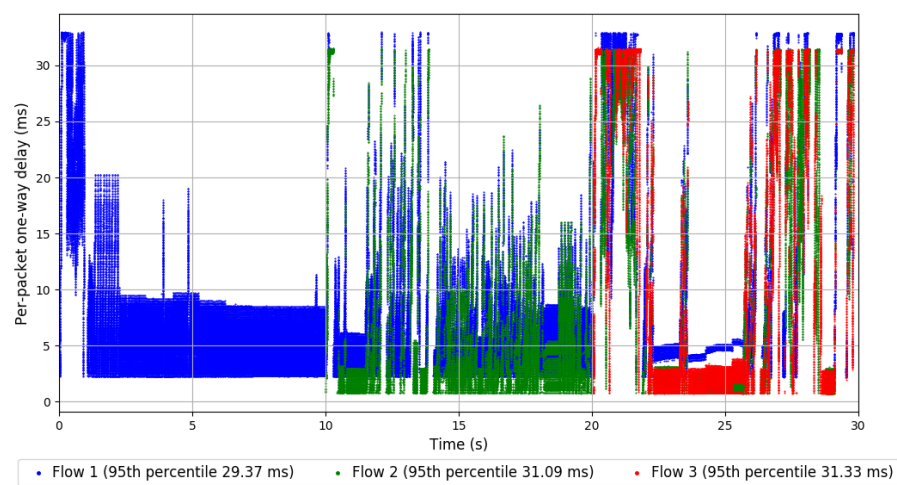
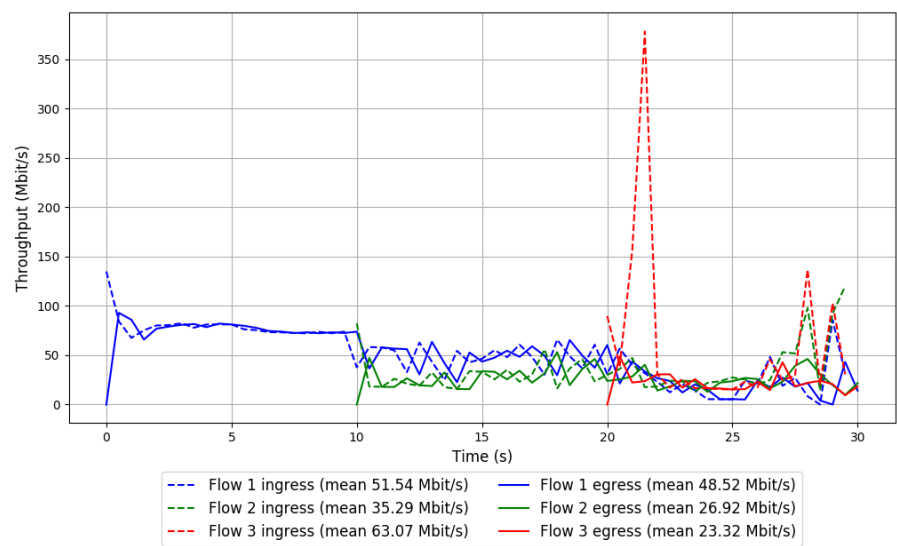
-- Flow 3:

Average throughput: 23.32 Mbit/s

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

Loss rate: 62.99%

Run 10: Report of Verus — Data Link

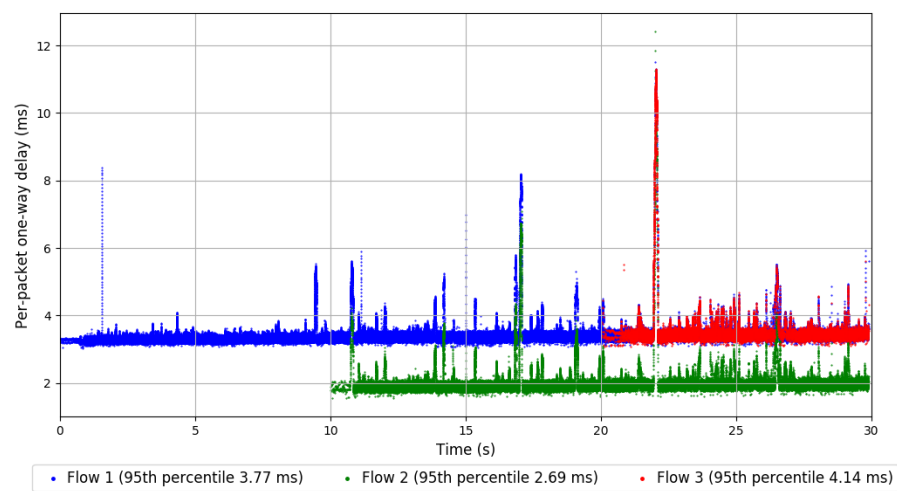
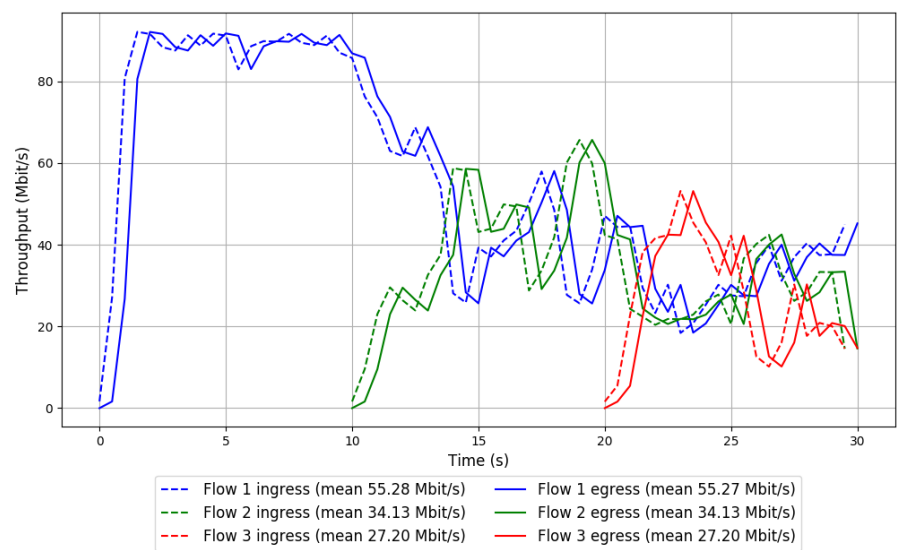


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-22 02:40:03
End at: 2018-08-22 02:40:33
Local clock offset: -6.001 ms
Remote clock offset: -2.214 ms

Below is generated by plot.py at 2018-08-22 06:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 86.95 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 3.774 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 2.685 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.20 Mbit/s
95th percentile per-packet one-way delay: 4.136 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

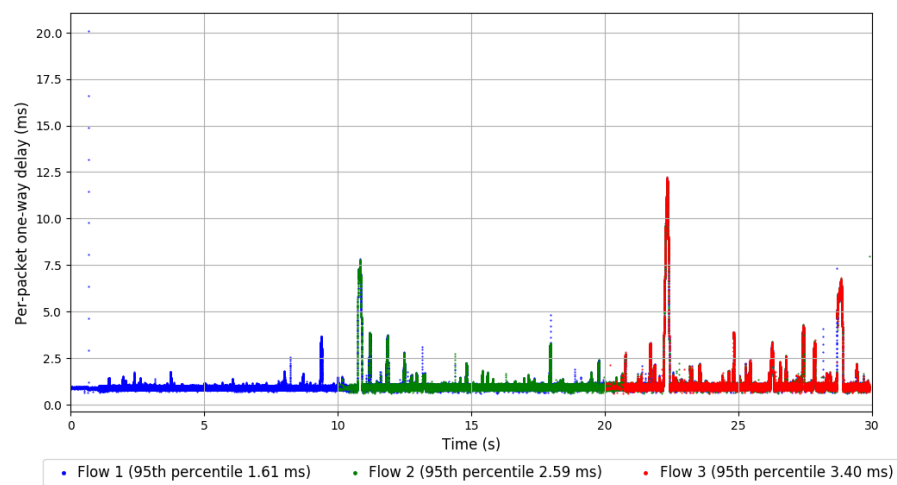
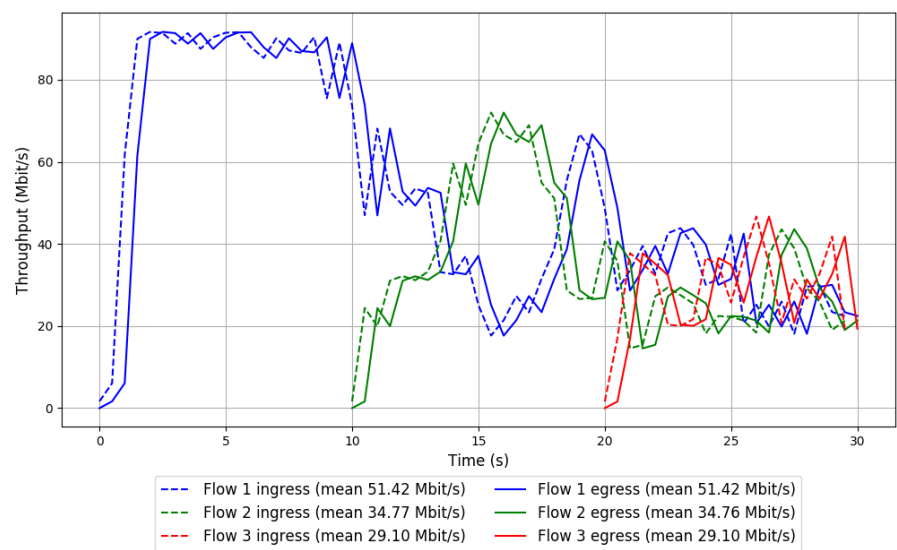


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-22 02:59:14
End at: 2018-08-22 02:59:44
Local clock offset: -2.72 ms
Remote clock offset: -1.638 ms

Below is generated by plot.py at 2018-08-22 06:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.13 Mbit/s
95th percentile per-packet one-way delay: 2.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.42 Mbit/s
95th percentile per-packet one-way delay: 1.611 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 2.590 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.10 Mbit/s
95th percentile per-packet one-way delay: 3.395 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-22 03:18:24

End at: 2018-08-22 03:18:54

Local clock offset: -2.901 ms

Remote clock offset: -1.19 ms

Below is generated by plot.py at 2018-08-22 06:06:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.93 Mbit/s

95th percentile per-packet one-way delay: 2.992 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 2.716 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 3.235 ms

Loss rate: 0.00%

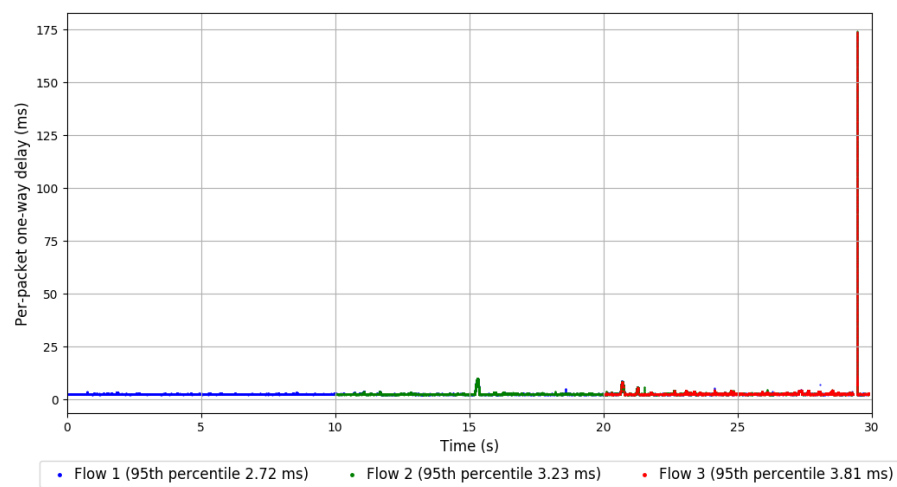
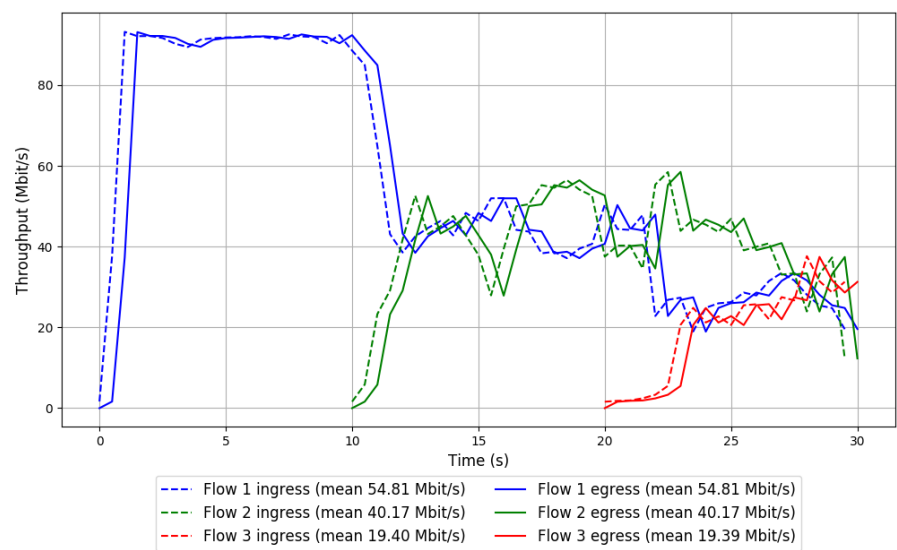
-- Flow 3:

Average throughput: 19.39 Mbit/s

95th percentile per-packet one-way delay: 3.808 ms

Loss rate: 0.04%

Run 3: Report of PCC-Vivace — Data Link

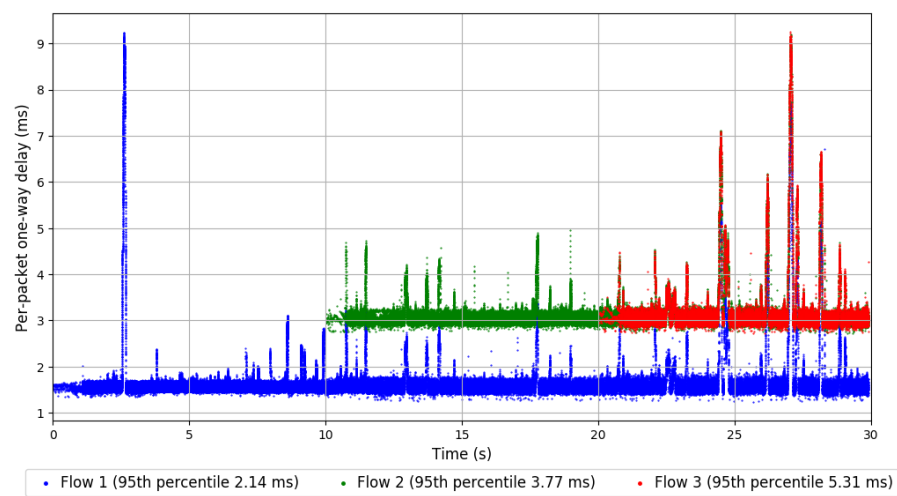
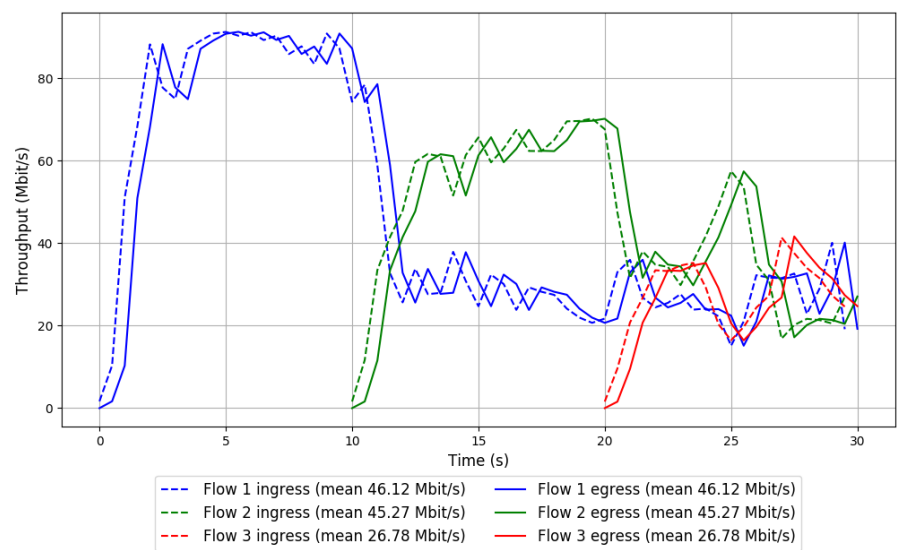


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-22 03:37:35
End at: 2018-08-22 03:38:05
Local clock offset: -3.73 ms
Remote clock offset: -11.158 ms

Below is generated by plot.py at 2018-08-22 06:06:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 3.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 2.139 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.27 Mbit/s
95th percentile per-packet one-way delay: 3.770 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.78 Mbit/s
95th percentile per-packet one-way delay: 5.309 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

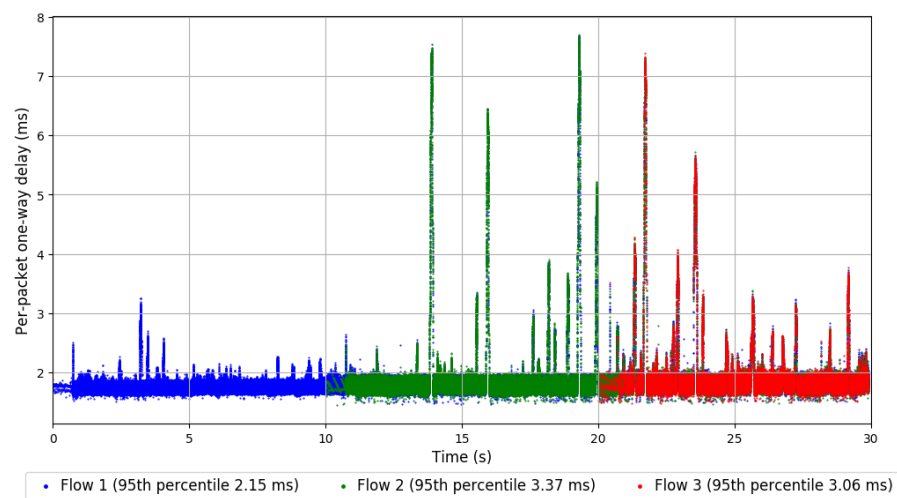
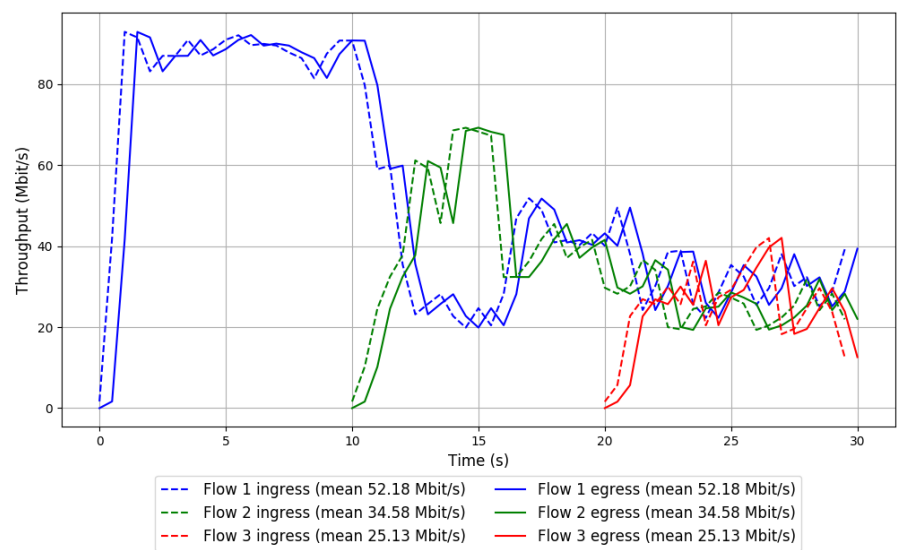


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-22 03:56:45
End at: 2018-08-22 03:57:15
Local clock offset: -7.092 ms
Remote clock offset: -14.729 ms

Below is generated by plot.py at 2018-08-22 06:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 2.151 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 3.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 3.057 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

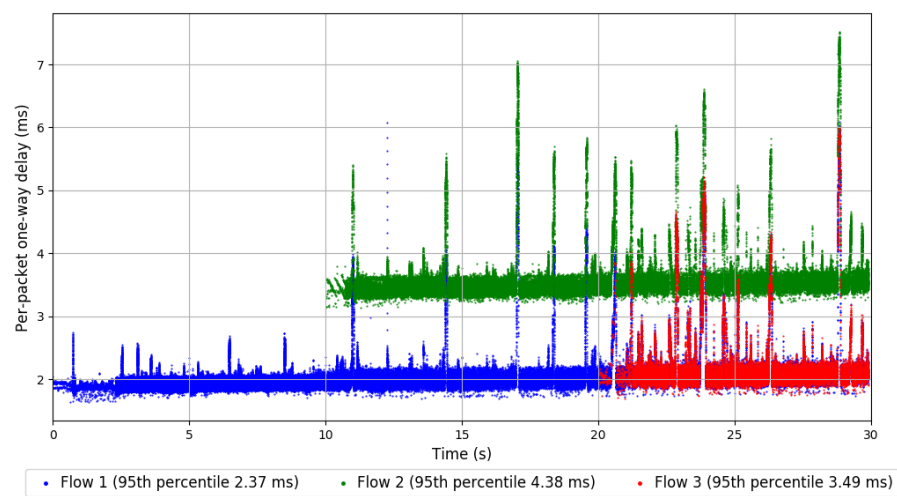
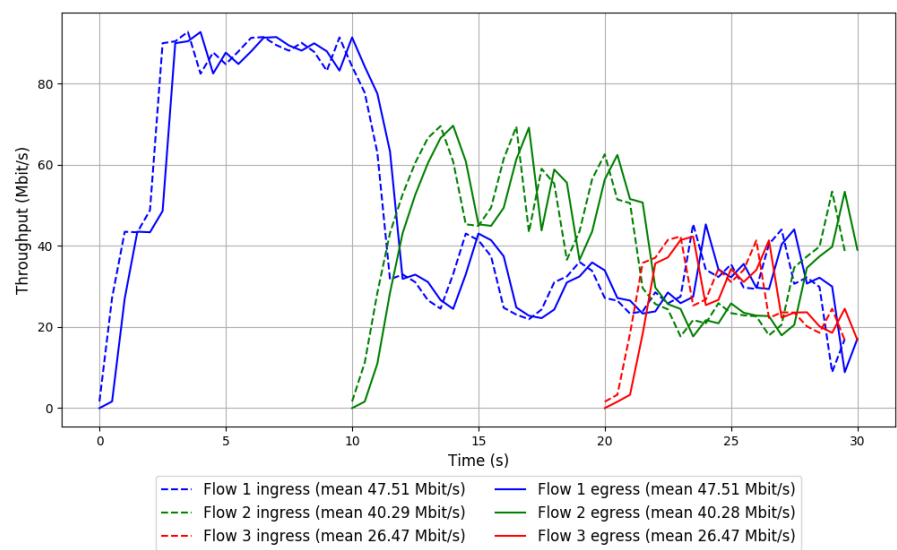


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-22 04:15:56
End at: 2018-08-22 04:16:26
Local clock offset: -5.139 ms
Remote clock offset: -17.236 ms

Below is generated by plot.py at 2018-08-22 06:06:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.04 Mbit/s
95th percentile per-packet one-way delay: 3.709 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.51 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.28 Mbit/s
95th percentile per-packet one-way delay: 4.375 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 3.489 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

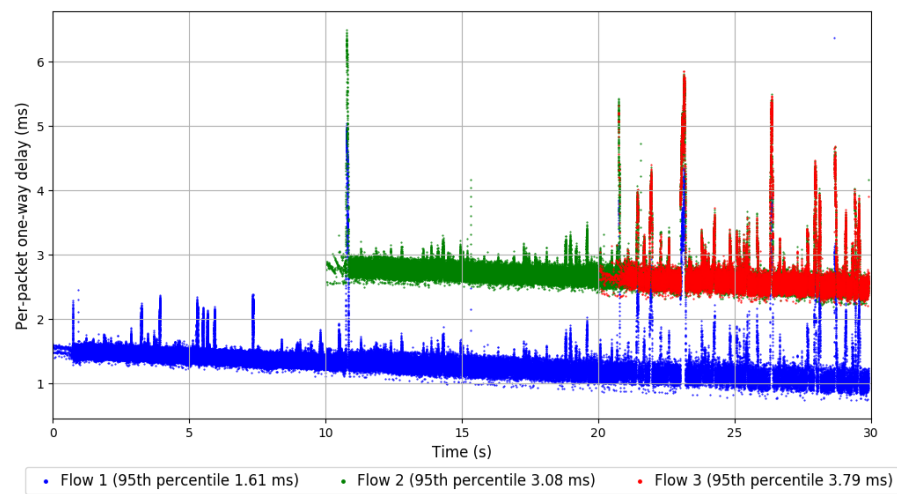
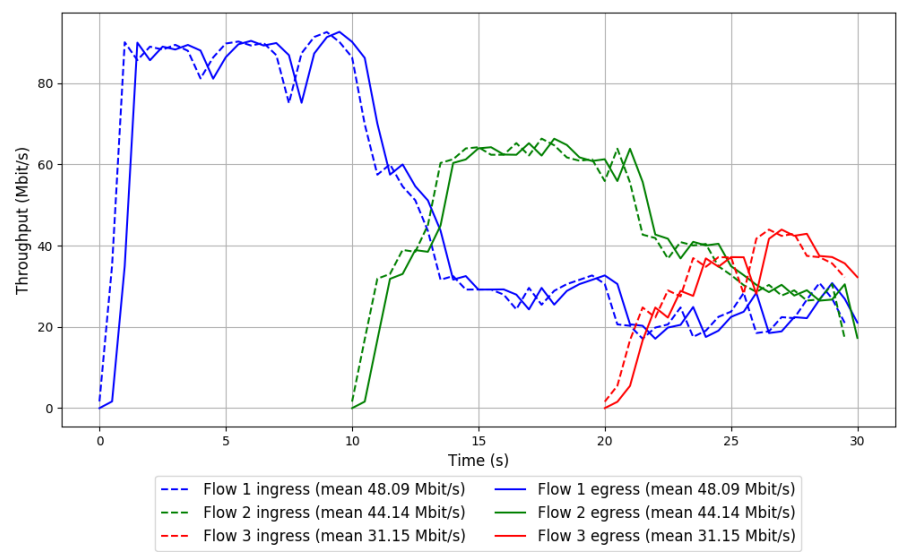


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-22 04:35:06
End at: 2018-08-22 04:35:36
Local clock offset: -3.431 ms
Remote clock offset: -10.338 ms

Below is generated by plot.py at 2018-08-22 06:06:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.73 Mbit/s
95th percentile per-packet one-way delay: 2.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 1.608 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.14 Mbit/s
95th percentile per-packet one-way delay: 3.085 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 3.787 ms
Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-22 04:54:18

End at: 2018-08-22 04:54:48

Local clock offset: -3.309 ms

Remote clock offset: 0.604 ms

Below is generated by plot.py at 2018-08-22 06:06:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 4.319 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.62 Mbit/s

95th percentile per-packet one-way delay: 2.821 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.51 Mbit/s

95th percentile per-packet one-way delay: 5.001 ms

Loss rate: 0.00%

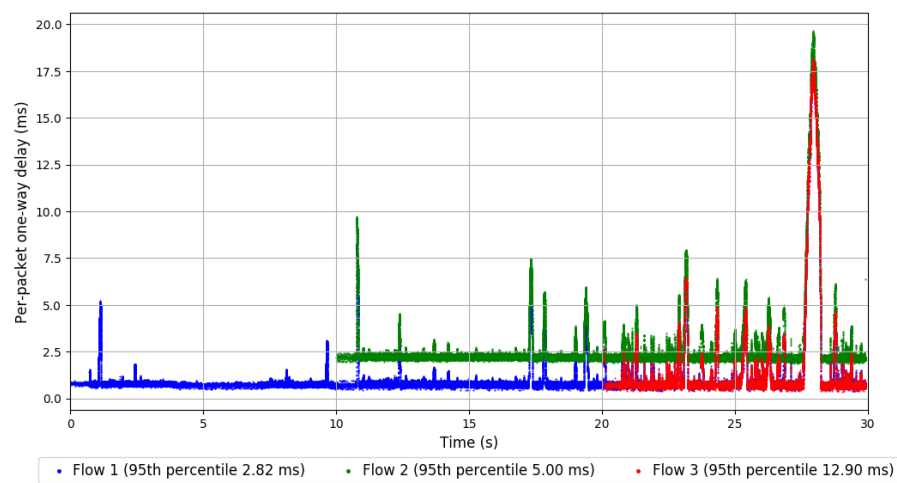
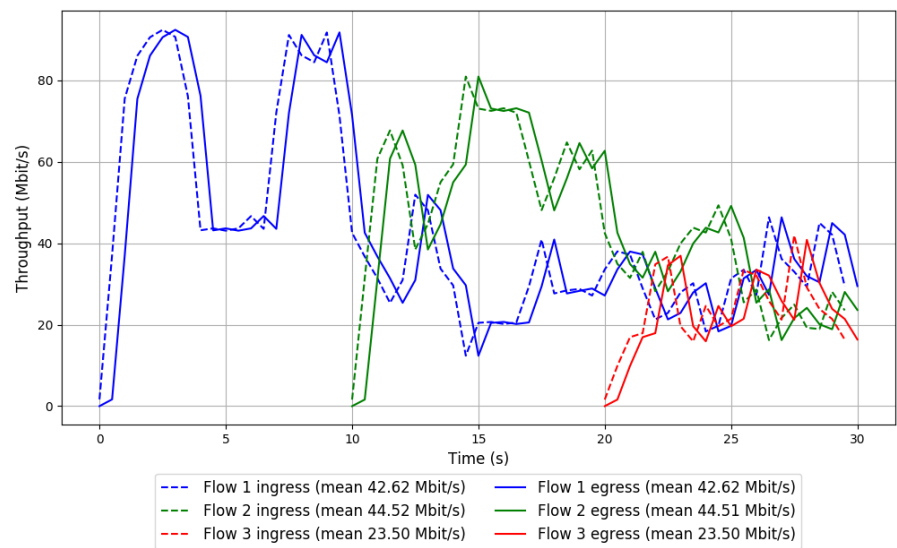
-- Flow 3:

Average throughput: 23.50 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-08-22 05:13:28

End at: 2018-08-22 05:13:58

Local clock offset: -4.484 ms

Remote clock offset: 3.329 ms

Below is generated by plot.py at 2018-08-22 06:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.36 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 3.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 3.853 ms

Loss rate: 0.00%

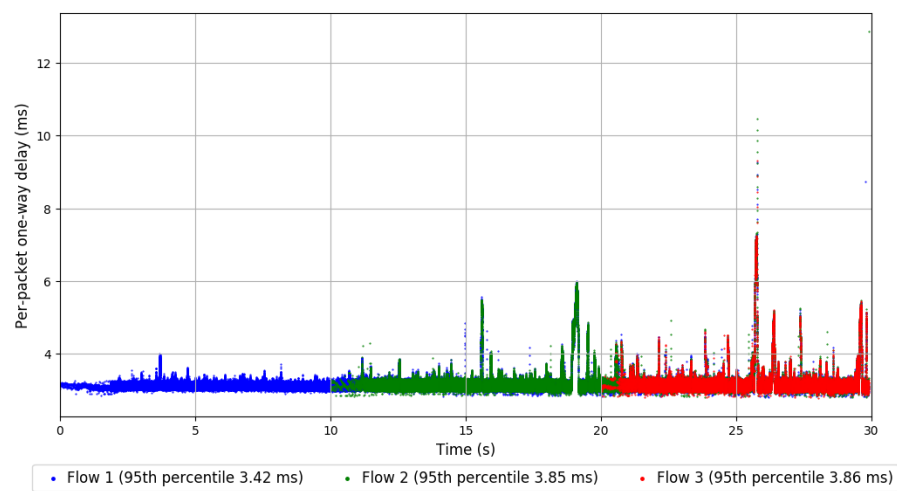
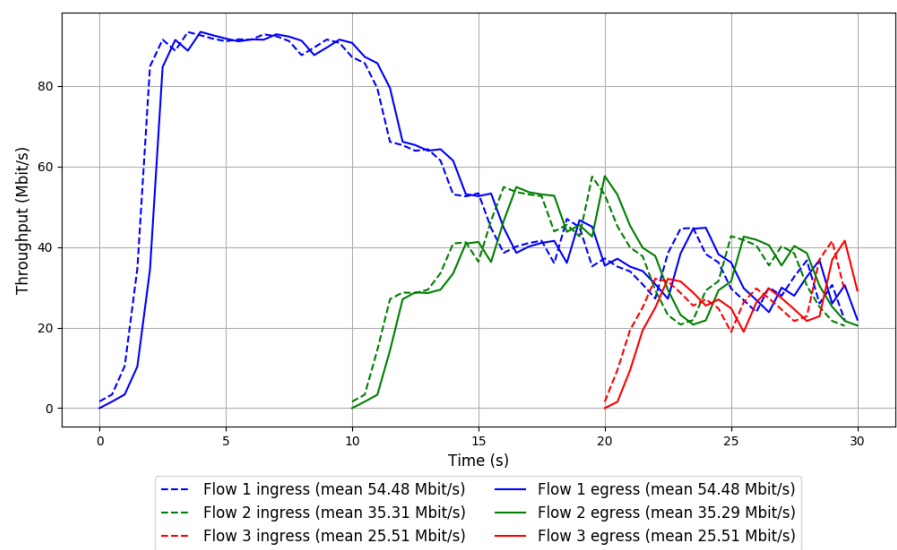
-- Flow 3:

Average throughput: 25.51 Mbit/s

95th percentile per-packet one-way delay: 3.857 ms

Loss rate: 0.01%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-08-22 05:32:37

End at: 2018-08-22 05:33:07

Local clock offset: -4.841 ms

Remote clock offset: 5.719 ms

Below is generated by plot.py at 2018-08-22 06:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 2.208 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 1.866 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.58 Mbit/s

95th percentile per-packet one-way delay: 2.735 ms

Loss rate: 0.00%

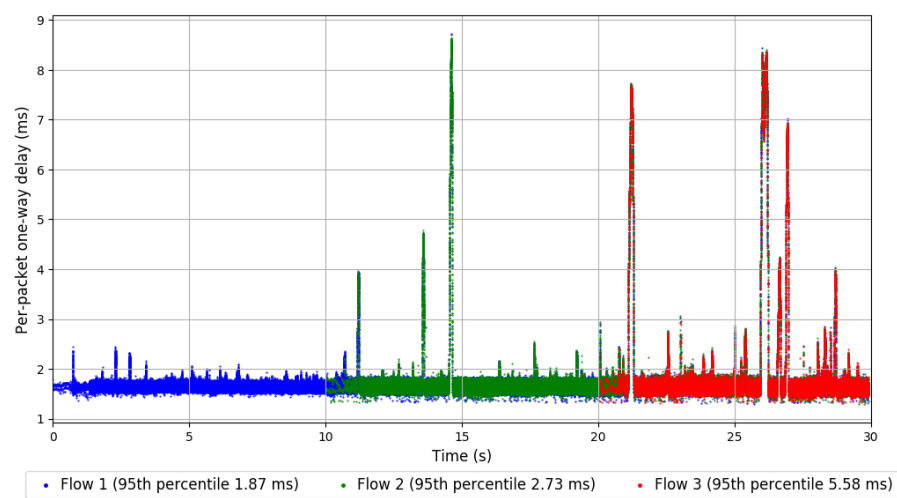
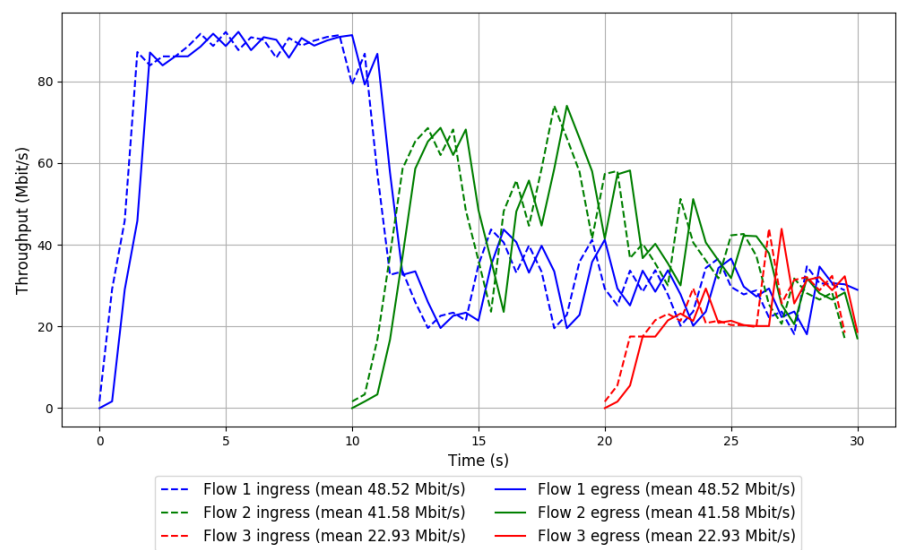
-- Flow 3:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 5.577 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

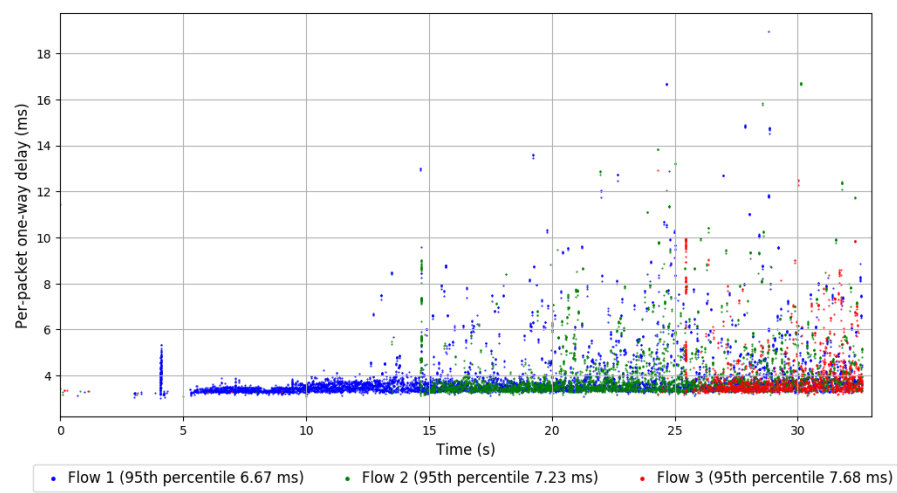
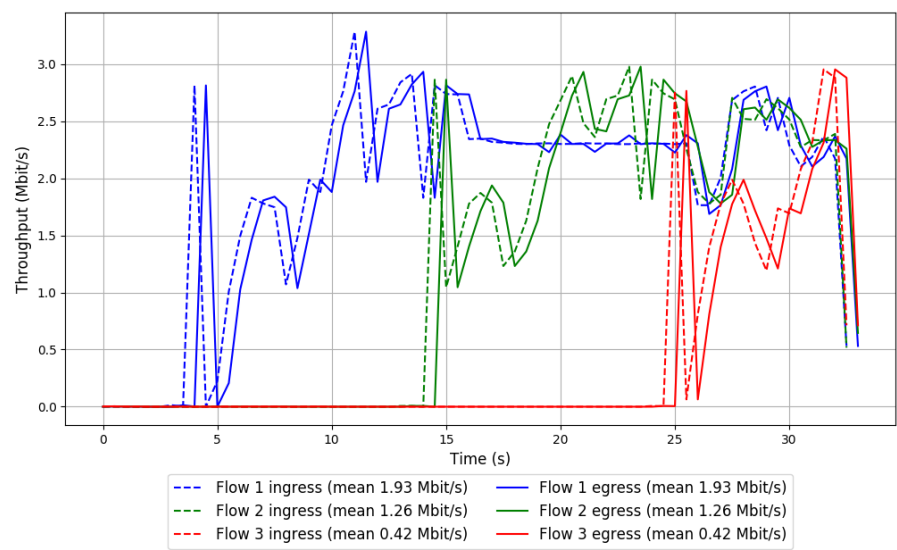


Run 1: Statistics of WebRTC media

Start at: 2018-08-22 02:34:28
End at: 2018-08-22 02:34:58
Local clock offset: -6.947 ms
Remote clock offset: -2.232 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 7.153 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 6.670 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 7.228 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 7.679 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

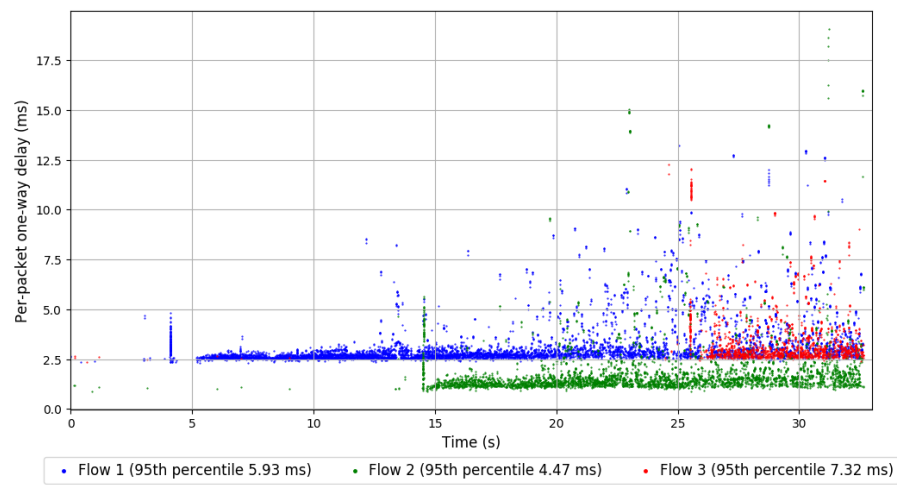
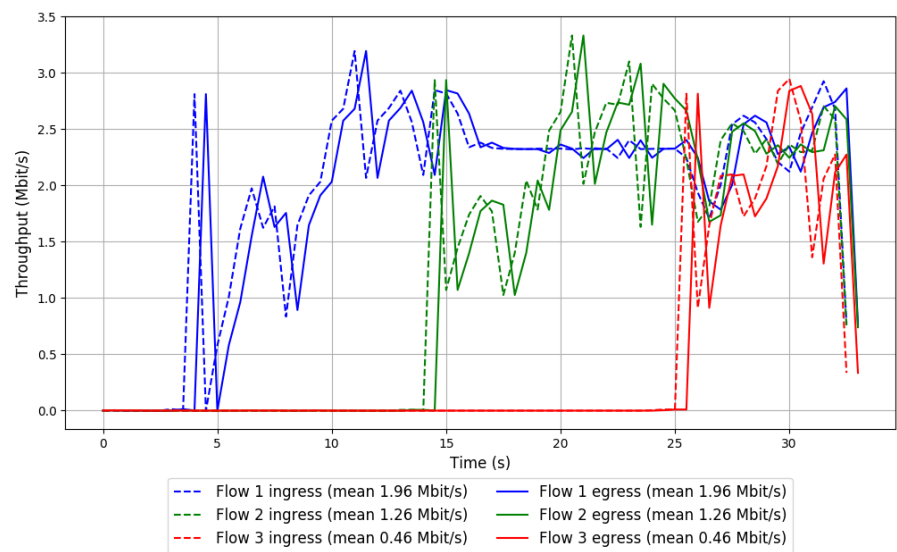


Run 2: Statistics of WebRTC media

Start at: 2018-08-22 02:53:39
End at: 2018-08-22 02:54:09
Local clock offset: -3.219 ms
Remote clock offset: -1.744 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 5.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 5.931 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 4.470 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 7.315 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-08-22 03:12:50

End at: 2018-08-22 03:13:20

Local clock offset: -3.51 ms

Remote clock offset: -1.23 ms

Below is generated by plot.py at 2018-08-22 06:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 5.951 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 5.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 6.666 ms

Loss rate: 0.00%

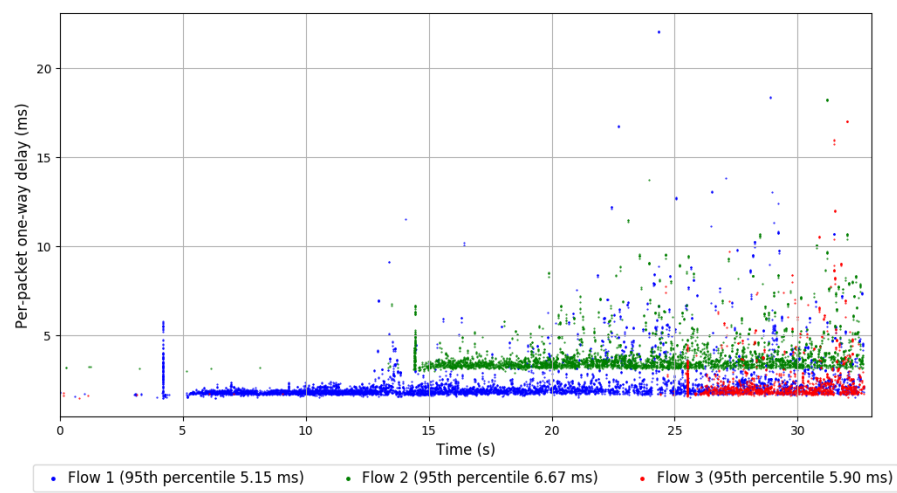
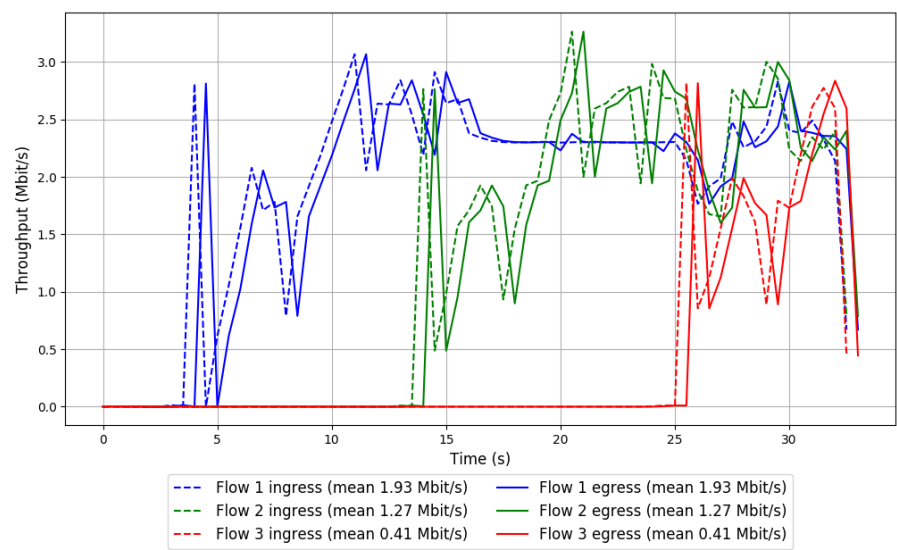
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 5.898 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

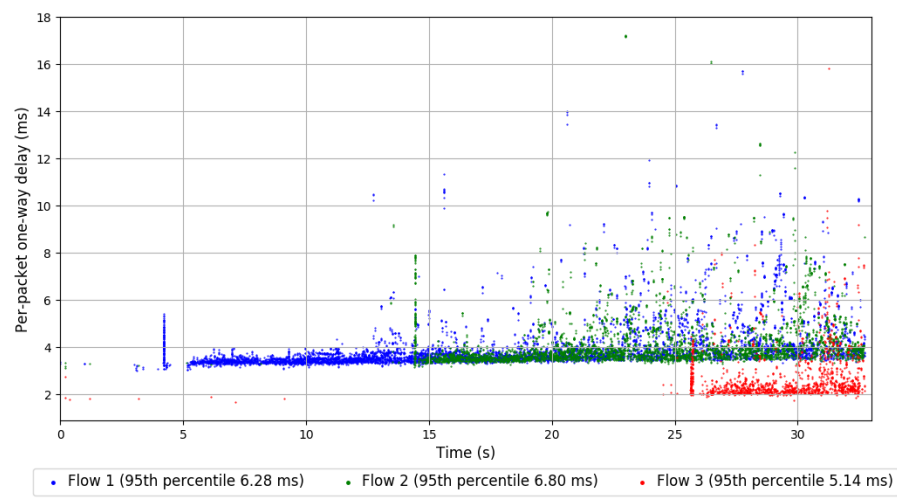
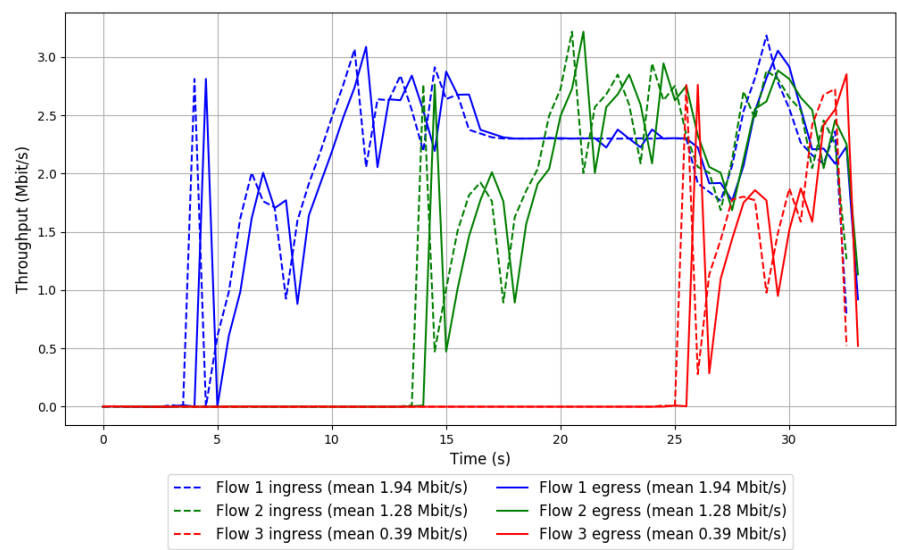


Run 4: Statistics of WebRTC media

Start at: 2018-08-22 03:32:01
End at: 2018-08-22 03:32:31
Local clock offset: -3.676 ms
Remote clock offset: -9.205 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 6.337 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 6.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 6.799 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 5.142 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

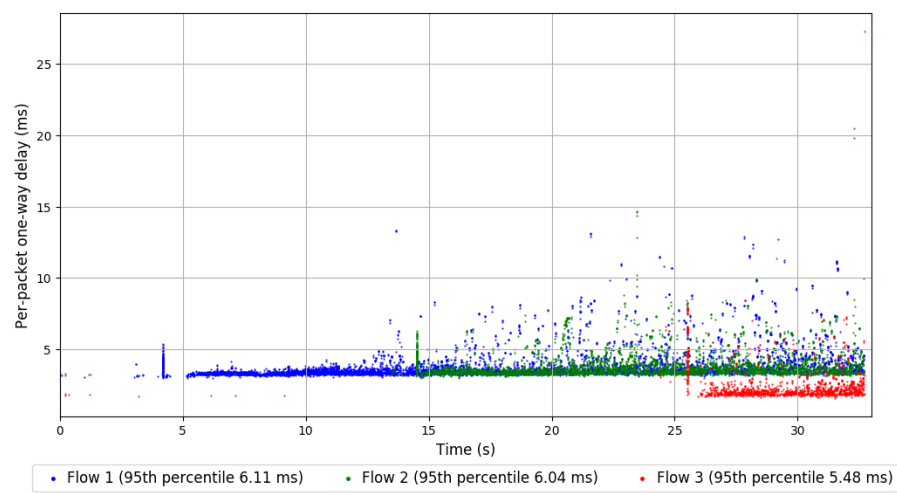
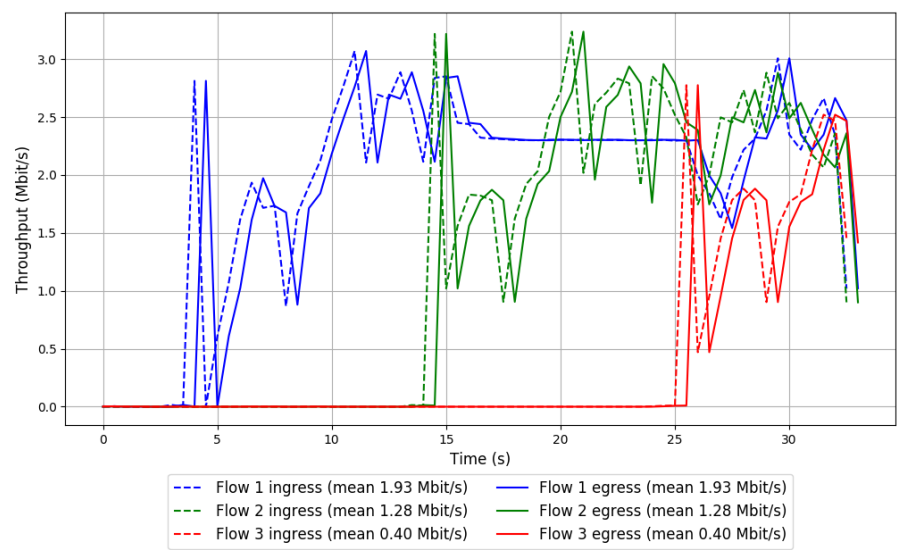


Run 5: Statistics of WebRTC media

Start at: 2018-08-22 03:51:11
End at: 2018-08-22 03:51:41
Local clock offset: -6.69 ms
Remote clock offset: -13.933 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 6.040 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 6.113 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 6.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 5.481 ms
Loss rate: 0.14%

Run 5: Report of WebRTC media — Data Link

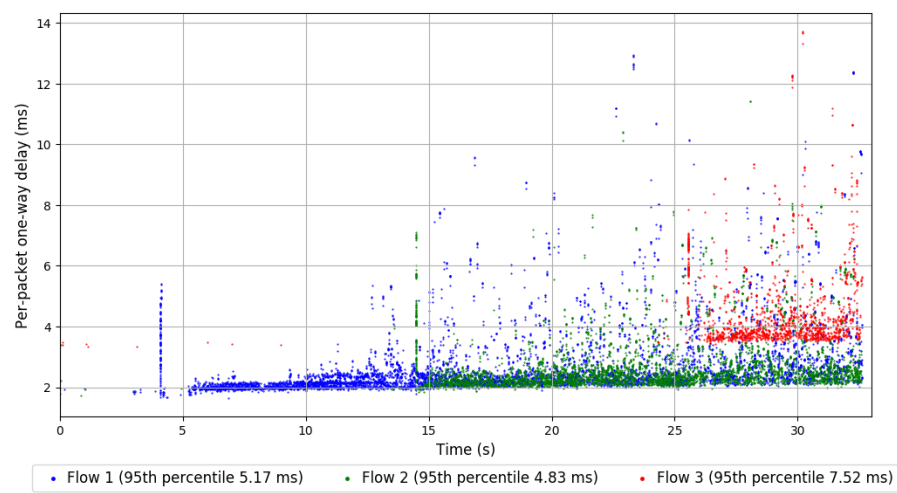
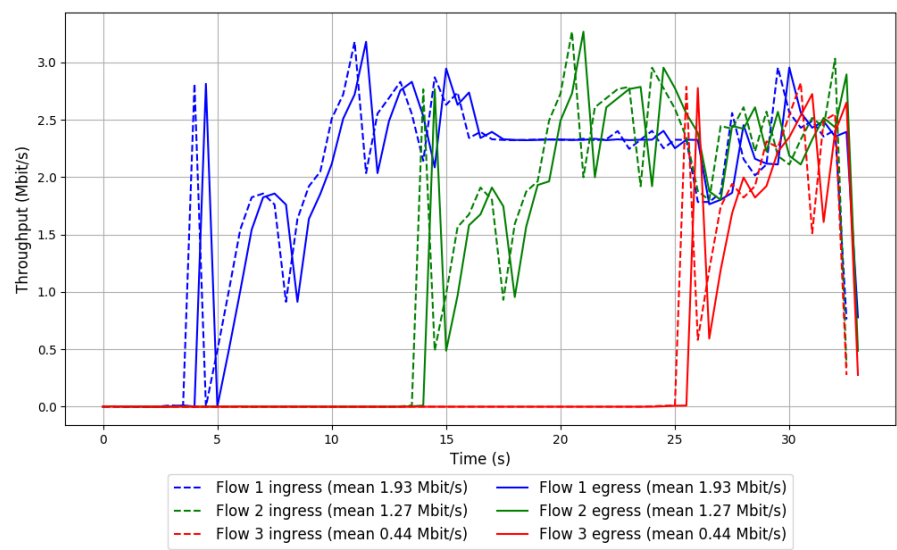


Run 6: Statistics of WebRTC media

Start at: 2018-08-22 04:10:22
End at: 2018-08-22 04:10:52
Local clock offset: -6.392 ms
Remote clock offset: -16.527 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 5.664 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 5.167 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.27 Mbit/s
95th percentile per-packet one-way delay: 4.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 7.516 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

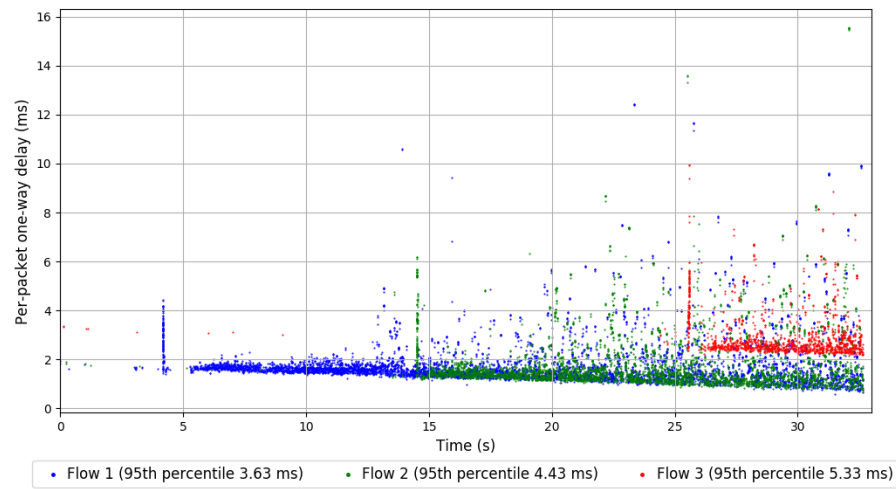
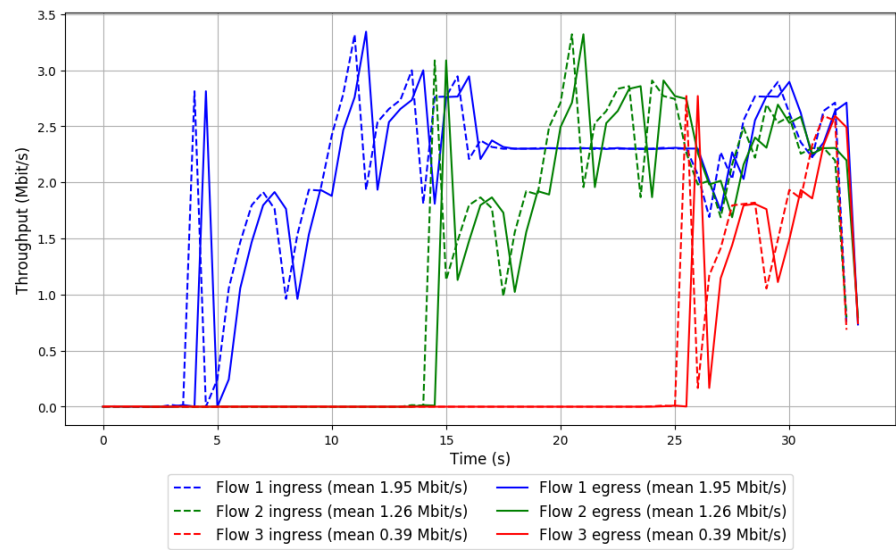


Run 7: Statistics of WebRTC media

Start at: 2018-08-22 04:29:32
End at: 2018-08-22 04:30:02
Local clock offset: -3.718 ms
Remote clock offset: -18.917 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 4.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 3.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 4.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 5.334 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

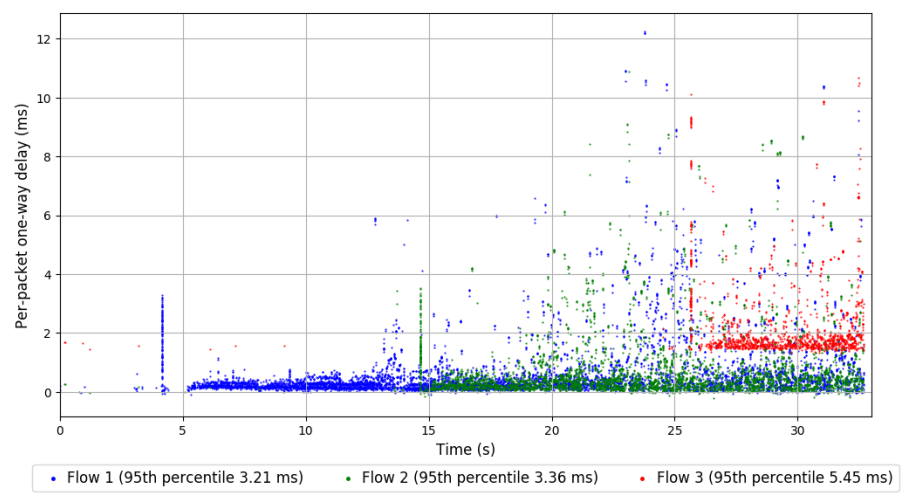
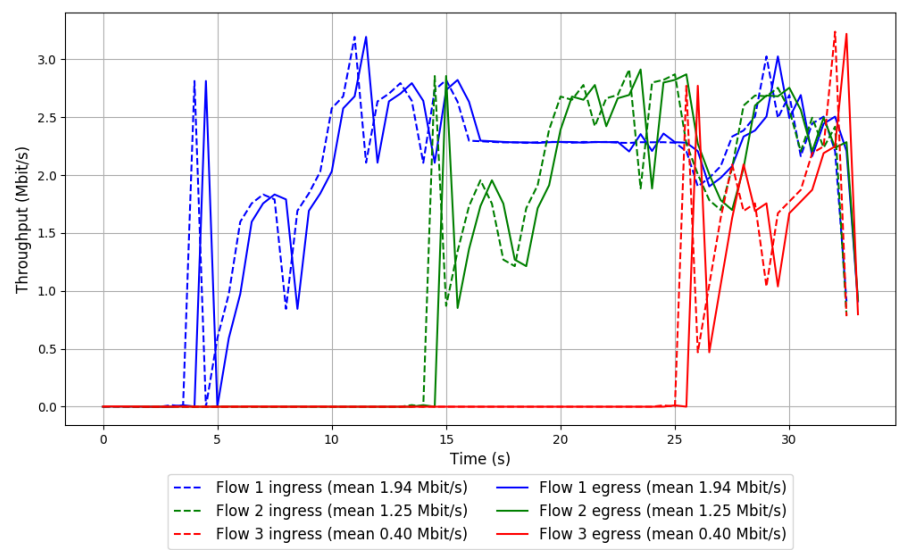


Run 8: Statistics of WebRTC media

Start at: 2018-08-22 04:48:44
End at: 2018-08-22 04:49:14
Local clock offset: -2.462 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-08-22 06:06:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 3.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 3.214 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 3.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 5.449 ms
Loss rate: 0.01%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-08-22 05:07:53

End at: 2018-08-22 05:08:23

Local clock offset: -3.417 ms

Remote clock offset: 2.98 ms

Below is generated by plot.py at 2018-08-22 06:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 5.287 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 5.700 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 4.420 ms

Loss rate: 0.00%

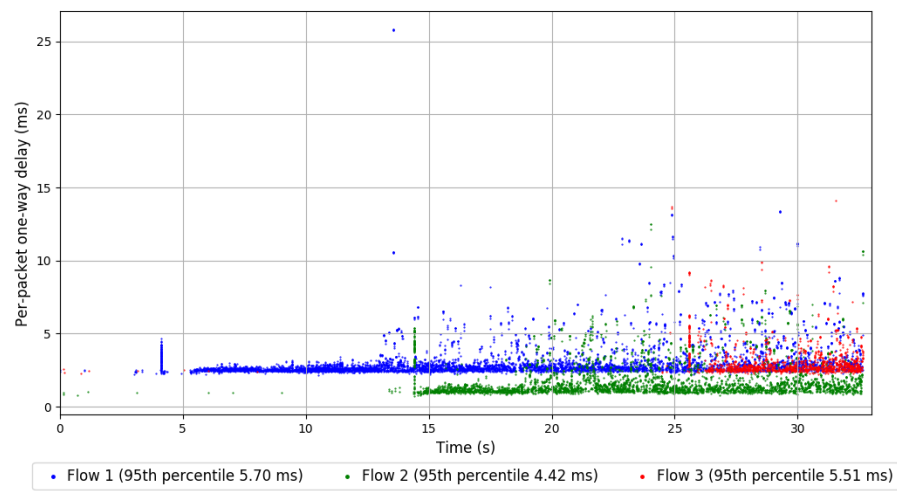
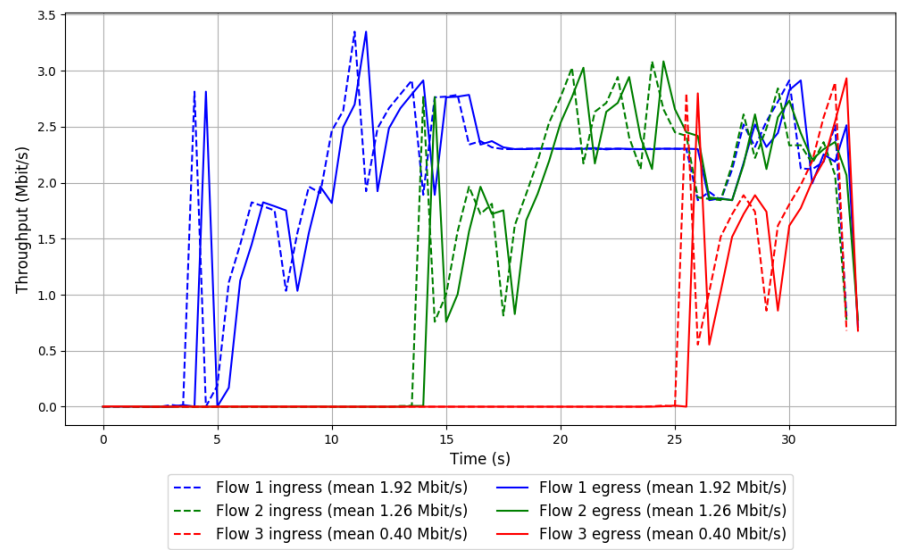
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 5.508 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-22 05:27:03

End at: 2018-08-22 05:27:33

Local clock offset: -3.252 ms

Remote clock offset: 4.922 ms

Below is generated by plot.py at 2018-08-22 06:06:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 3.949 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 2.993 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 4.734 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 3.329 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

