

Pantheon Report

Generated at 2018-08-09 13:04:25 (UTC).

Data path: GCE Tokyo Ethernet (*local*) → GCE London Ethernet (*remote*).

Repeated the test of 17 congestion control schemes 10 times.

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

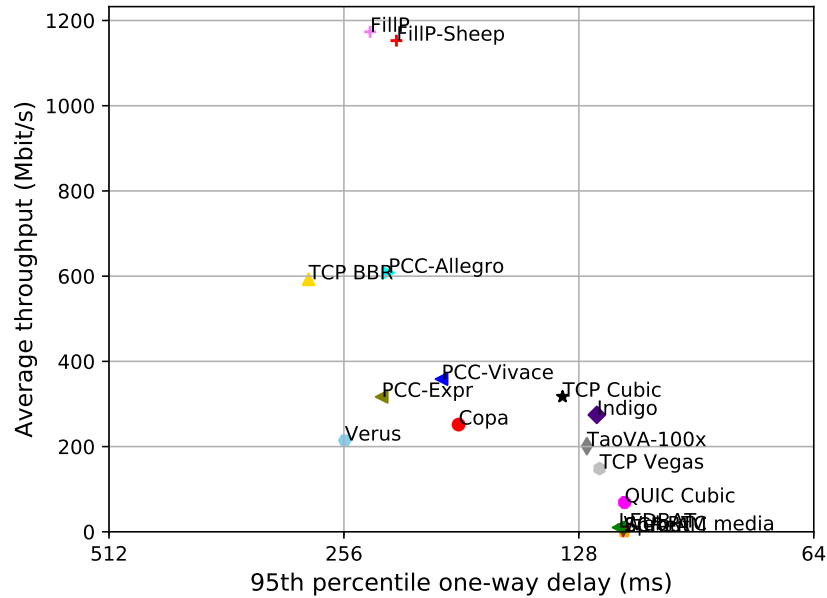
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

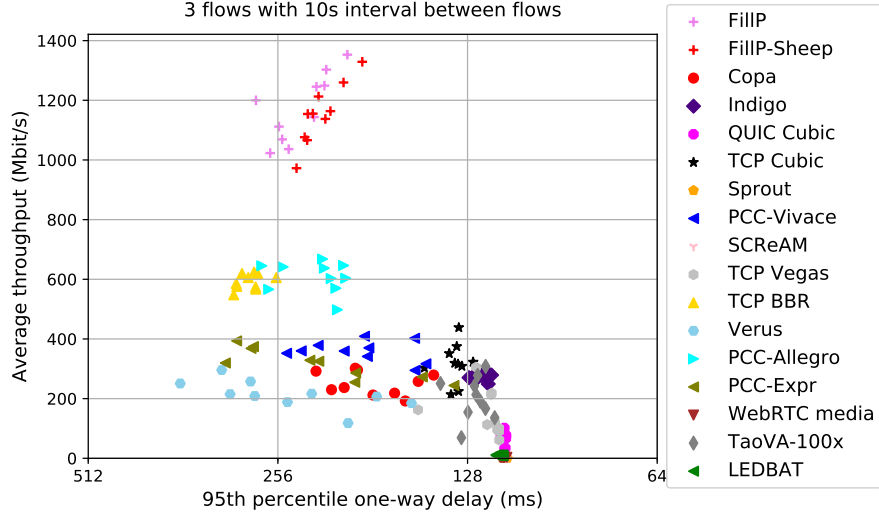
Git summary:

```
branch: master @ 7772df3413f4b07ba0096dfdd8e9d4c6dca623e3
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 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 GCE Tokyo to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from GCE Tokyo to GCE London, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows



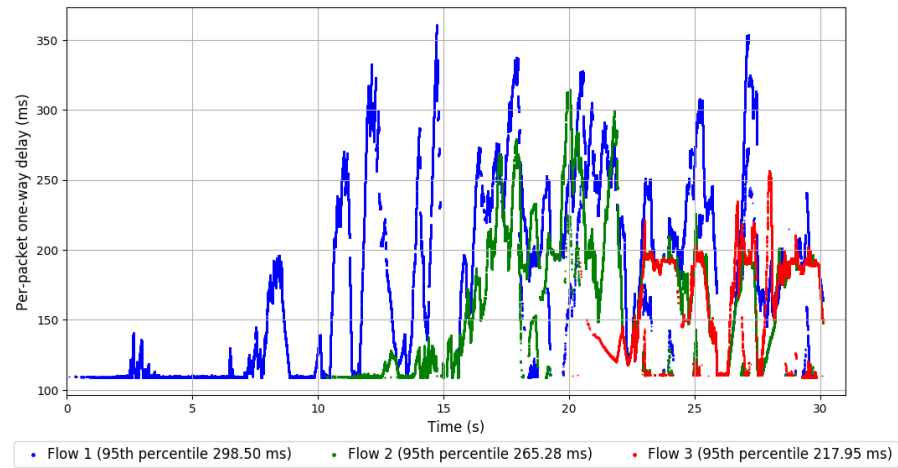
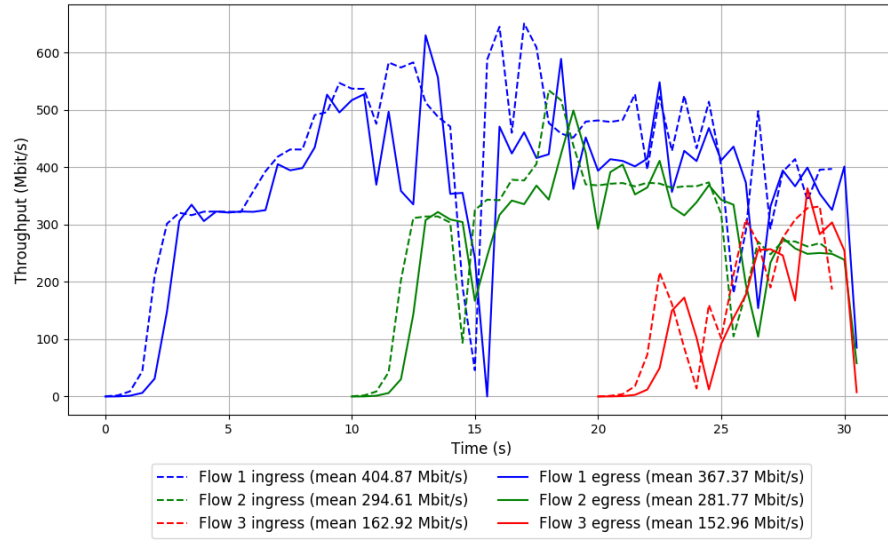
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	372.16	290.41	81.21	284.37	261.56	201.19	8.35	5.87	6.27
Copa	10	143.91	106.27	111.62	171.79	170.58	176.55	0.33	0.36	0.81
TCP Cubic	10	176.33	183.82	55.13	126.60	134.97	124.38	0.06	0.07	0.55
FillP	10	607.15	590.16	522.33	236.15	231.57	237.99	12.18	10.92	10.01
FillP-Sheep	10	624.06	558.31	473.82	215.98	218.70	221.66	9.24	7.66	6.37
Indigo	10	142.43	138.38	126.65	120.21	121.75	124.83	0.10	0.15	0.42
LEDBAT	10	6.80	4.08	2.07	114.04	113.46	113.01	0.00	0.00	0.00
PCC-Allegro	10	396.06	273.13	91.36	224.15	203.37	190.56	3.37	3.10	2.60
PCC-Expr	10	191.50	139.27	98.71	233.39	198.78	193.59	1.63	1.53	0.52
QUIC Cubic	10	35.54	37.24	27.19	111.42	111.66	111.39	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.19	111.77	111.86	111.66	0.00	0.00	0.00
Sprout	10	0.21	0.22	0.28	111.78	111.99	111.88	0.00	0.00	0.00
TaoVA-100x	10	101.50	94.74	109.08	121.64	122.74	126.98	0.01	0.02	0.02
TCP Vegas	10	64.05	108.87	35.24	115.60	122.80	115.70	0.01	0.01	0.08
Verus	10	123.82	103.81	69.16	269.85	223.70	225.12	7.56	5.60	2.81
PCC-Vivace	10	209.74	164.23	119.39	173.15	169.59	216.57	0.54	0.34	1.63
WebRTC media	10	1.87	1.12	0.39	111.96	112.00	111.87	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-08-09 06:08:44
End at: 2018-08-09 06:09:14
Local clock offset: -0.211 ms
Remote clock offset: -0.541 ms

Below is generated by plot.py at 2018-08-09 10:53:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.89 Mbit/s
95th percentile per-packet one-way delay: 285.274 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 367.37 Mbit/s
95th percentile per-packet one-way delay: 298.496 ms
Loss rate: 9.26%
-- Flow 2:
Average throughput: 281.77 Mbit/s
95th percentile per-packet one-way delay: 265.284 ms
Loss rate: 4.35%
-- Flow 3:
Average throughput: 152.96 Mbit/s
95th percentile per-packet one-way delay: 217.949 ms
Loss rate: 6.11%

Run 1: Report of TCP BBR — Data Link

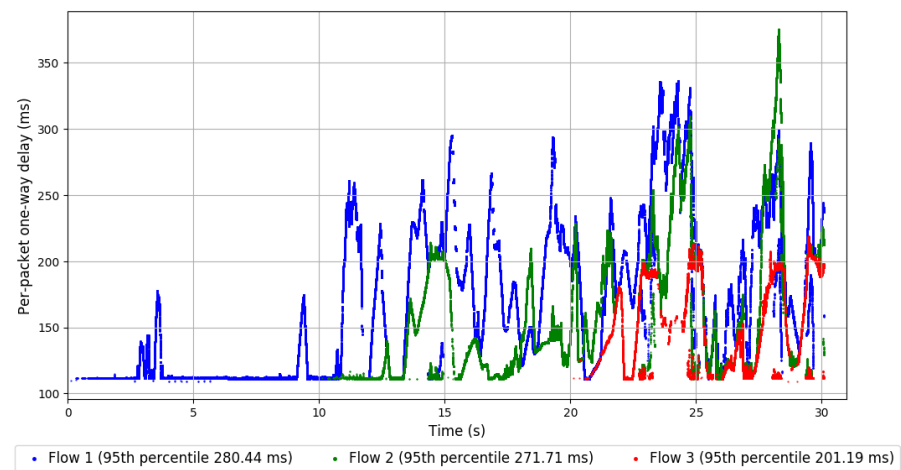
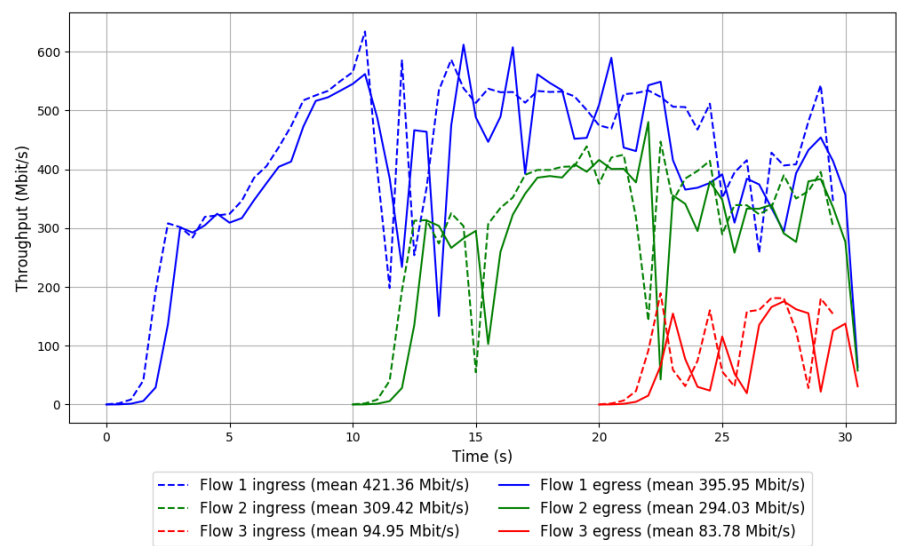


Run 2: Statistics of TCP BBR

Start at: 2018-08-09 06:35:27
End at: 2018-08-09 06:35:57
Local clock offset: -0.024 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-08-09 10:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 619.55 Mbit/s
95th percentile per-packet one-way delay: 275.650 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 395.95 Mbit/s
95th percentile per-packet one-way delay: 280.440 ms
Loss rate: 6.02%
-- Flow 2:
Average throughput: 294.03 Mbit/s
95th percentile per-packet one-way delay: 271.715 ms
Loss rate: 4.98%
-- Flow 3:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 201.189 ms
Loss rate: 11.77%

Run 2: Report of TCP BBR — Data Link

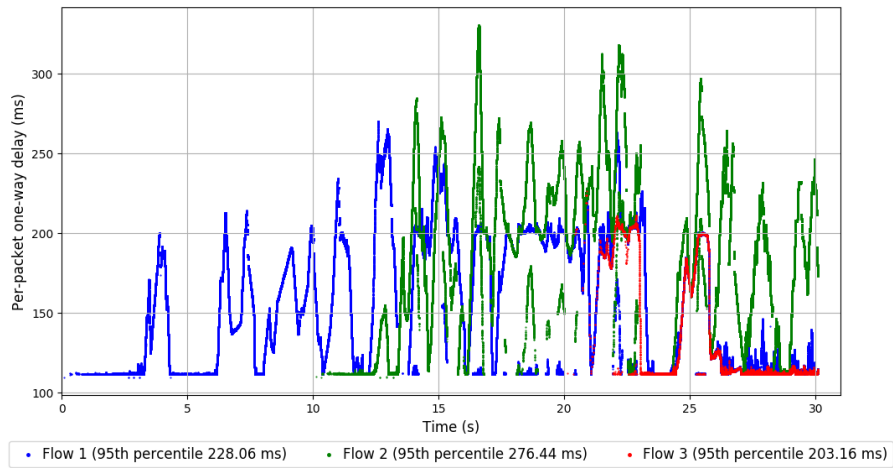
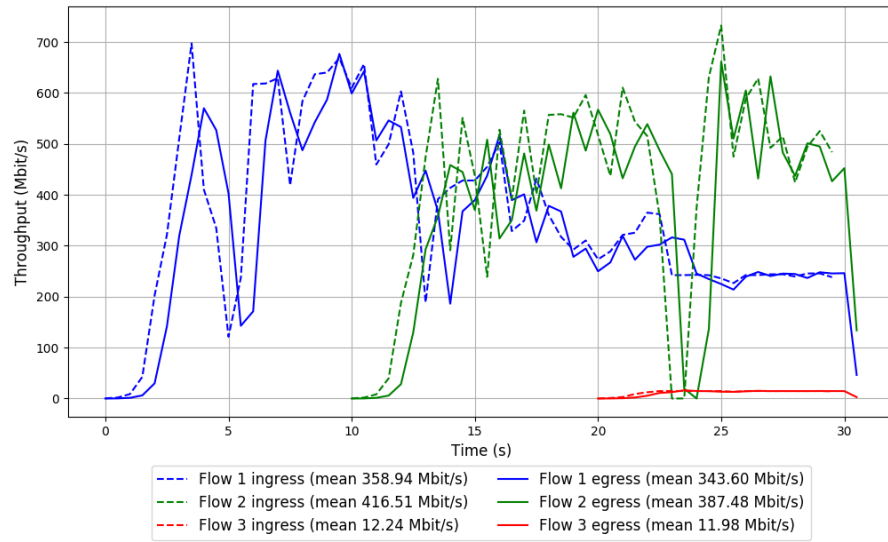


Run 3: Statistics of TCP BBR

Start at: 2018-08-09 07:02:01
End at: 2018-08-09 07:02:31
Local clock offset: -0.272 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-08-09 10:53:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 605.71 Mbit/s
95th percentile per-packet one-way delay: 257.525 ms
Loss rate: 5.42%
-- Flow 1:
Average throughput: 343.60 Mbit/s
95th percentile per-packet one-way delay: 228.056 ms
Loss rate: 4.26%
-- Flow 2:
Average throughput: 387.48 Mbit/s
95th percentile per-packet one-way delay: 276.443 ms
Loss rate: 6.96%
-- Flow 3:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 203.157 ms
Loss rate: 2.09%

Run 3: Report of TCP BBR — Data Link

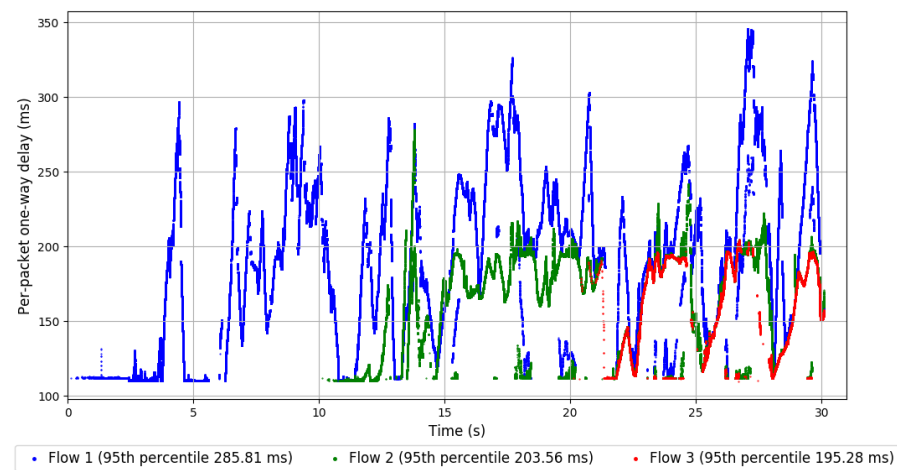
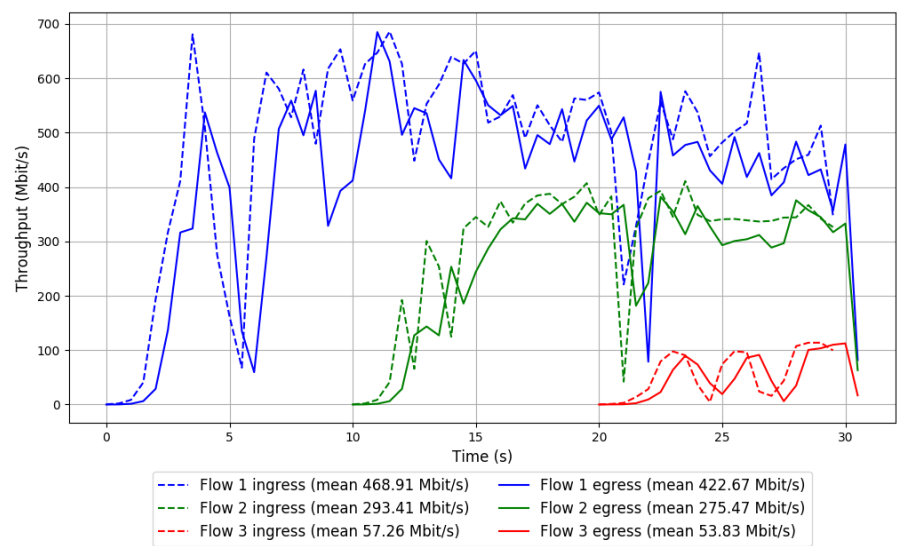


Run 4: Statistics of TCP BBR

Start at: 2018-08-09 07:28:41
End at: 2018-08-09 07:29:11
Local clock offset: -0.065 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-09 10:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 624.08 Mbit/s
95th percentile per-packet one-way delay: 279.277 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 422.67 Mbit/s
95th percentile per-packet one-way delay: 285.811 ms
Loss rate: 9.85%
-- Flow 2:
Average throughput: 275.47 Mbit/s
95th percentile per-packet one-way delay: 203.562 ms
Loss rate: 6.10%
-- Flow 3:
Average throughput: 53.83 Mbit/s
95th percentile per-packet one-way delay: 195.276 ms
Loss rate: 5.97%

Run 4: Report of TCP BBR — Data Link

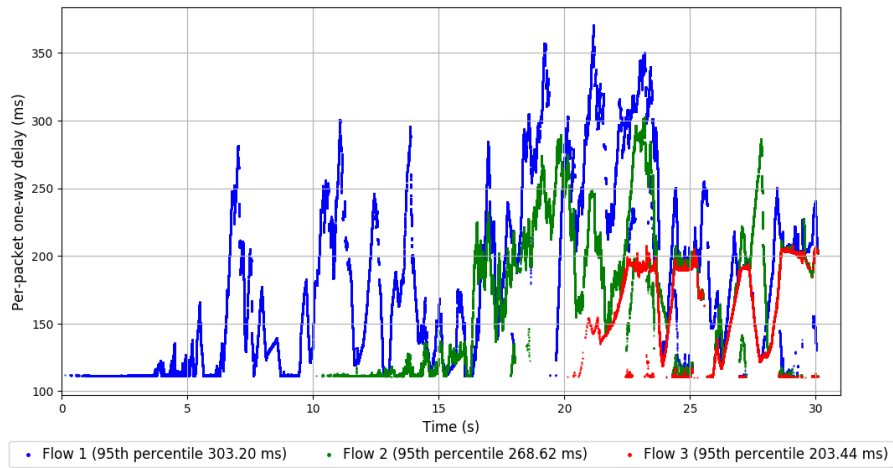
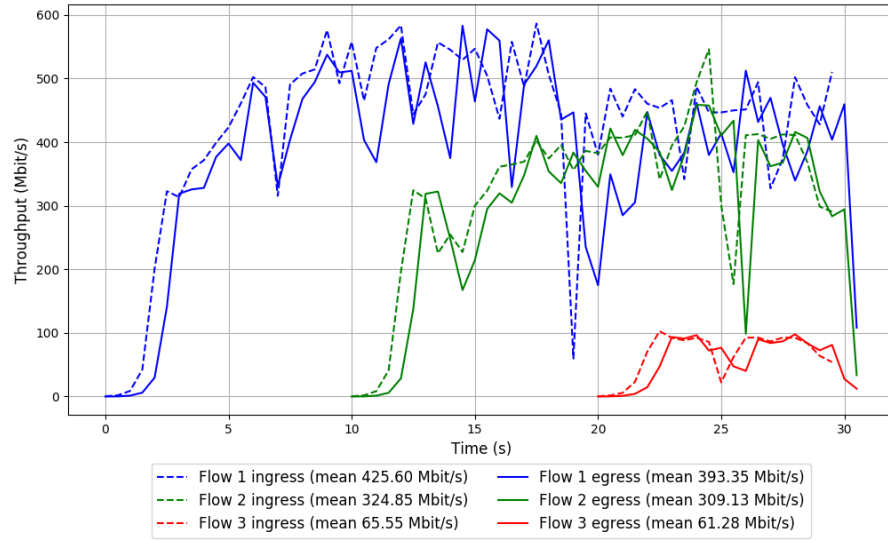


Run 5: Statistics of TCP BBR

Start at: 2018-08-09 07:55:27
End at: 2018-08-09 07:55:57
Local clock offset: 0.115 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-08-09 10:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 619.57 Mbit/s
95th percentile per-packet one-way delay: 291.825 ms
Loss rate: 6.65%
-- Flow 1:
Average throughput: 393.35 Mbit/s
95th percentile per-packet one-way delay: 303.199 ms
Loss rate: 7.58%
-- Flow 2:
Average throughput: 309.13 Mbit/s
95th percentile per-packet one-way delay: 268.618 ms
Loss rate: 4.83%
-- Flow 3:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 203.443 ms
Loss rate: 6.50%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

End at: 2018-08-09 08:22:49

Local clock offset: 1.269 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-08-09 10:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 567.01 Mbit/s

95th percentile per-packet one-way delay: 277.601 ms

Loss rate: 4.07%

-- Flow 1:

Average throughput: 354.80 Mbit/s

95th percentile per-packet one-way delay: 279.705 ms

Loss rate: 4.25%

-- Flow 2:

Average throughput: 312.96 Mbit/s

95th percentile per-packet one-way delay: 272.610 ms

Loss rate: 3.81%

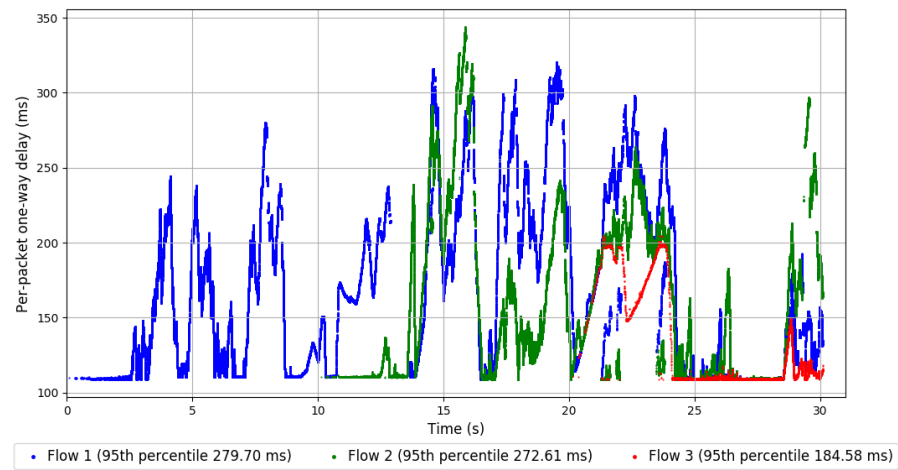
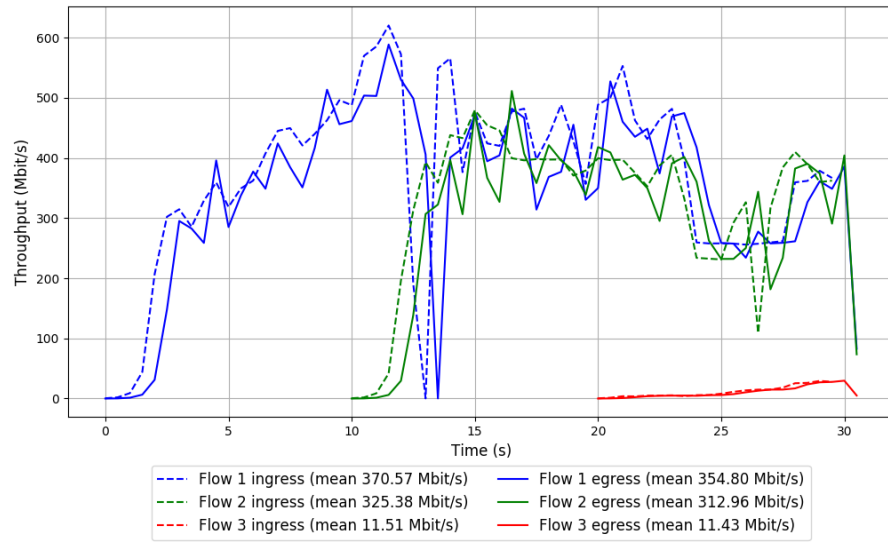
-- Flow 3:

Average throughput: 11.43 Mbit/s

95th percentile per-packet one-way delay: 184.582 ms

Loss rate: 0.65%

Run 6: Report of TCP BBR — Data Link

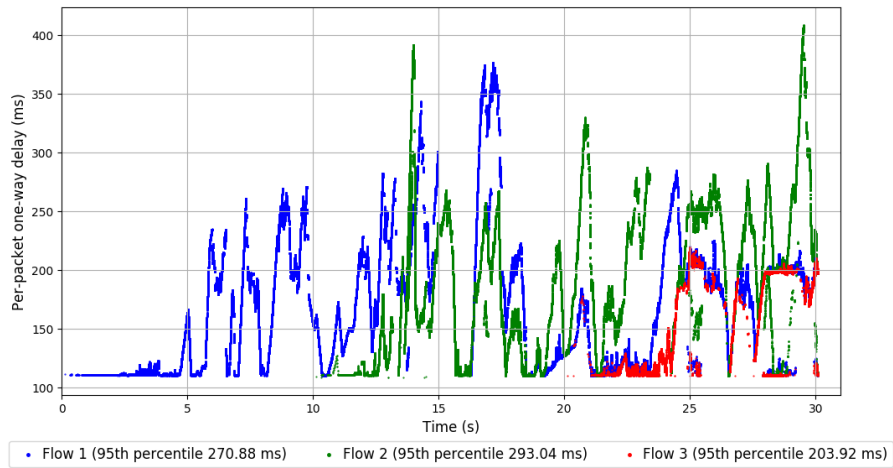
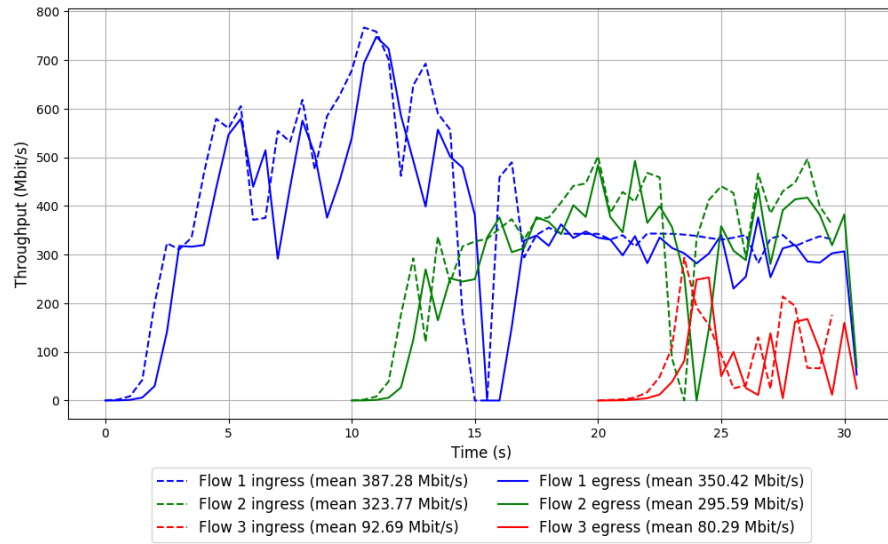


Run 7: Statistics of TCP BBR

Start at: 2018-08-09 08:48:36
End at: 2018-08-09 08:49:06
Local clock offset: 0.309 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-08-09 10:53:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 574.05 Mbit/s
95th percentile per-packet one-way delay: 277.734 ms
Loss rate: 9.43%
-- Flow 1:
Average throughput: 350.42 Mbit/s
95th percentile per-packet one-way delay: 270.877 ms
Loss rate: 9.52%
-- Flow 2:
Average throughput: 295.59 Mbit/s
95th percentile per-packet one-way delay: 293.041 ms
Loss rate: 8.69%
-- Flow 3:
Average throughput: 80.29 Mbit/s
95th percentile per-packet one-way delay: 203.916 ms
Loss rate: 13.37%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-08-09 09:15:14

End at: 2018-08-09 09:15:44

Local clock offset: -0.075 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-08-09 10:53:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 547.91 Mbit/s

95th percentile per-packet one-way delay: 300.827 ms

Loss rate: 12.50%

-- Flow 1:

Average throughput: 400.05 Mbit/s

95th percentile per-packet one-way delay: 307.000 ms

Loss rate: 14.32%

-- Flow 2:

Average throughput: 176.47 Mbit/s

95th percentile per-packet one-way delay: 202.728 ms

Loss rate: 7.08%

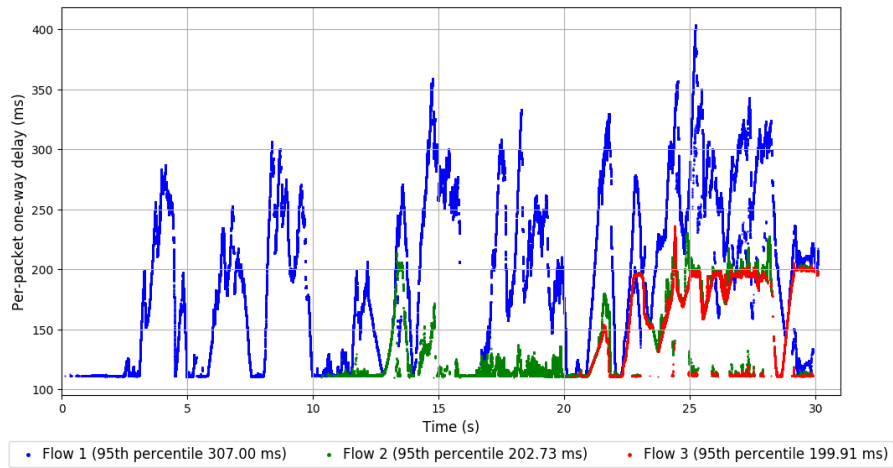
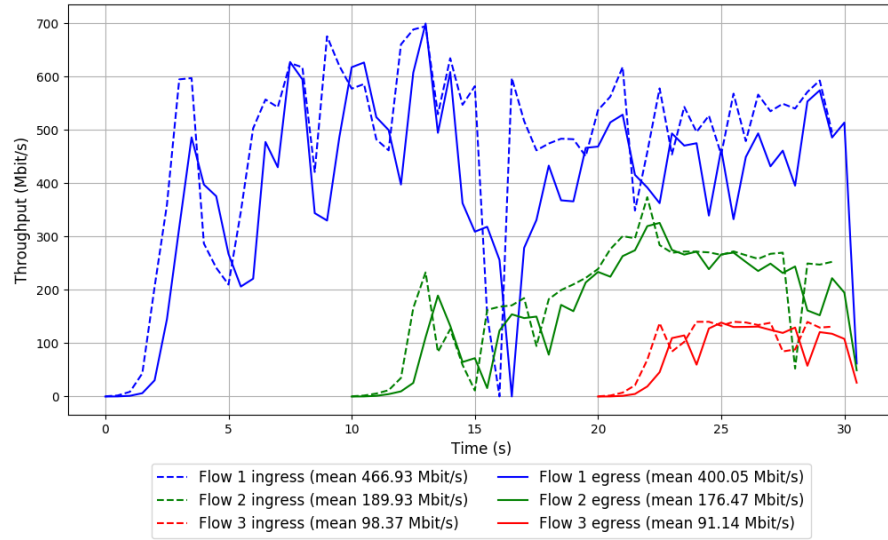
-- Flow 3:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 199.908 ms

Loss rate: 7.36%

Run 8: Report of TCP BBR — Data Link

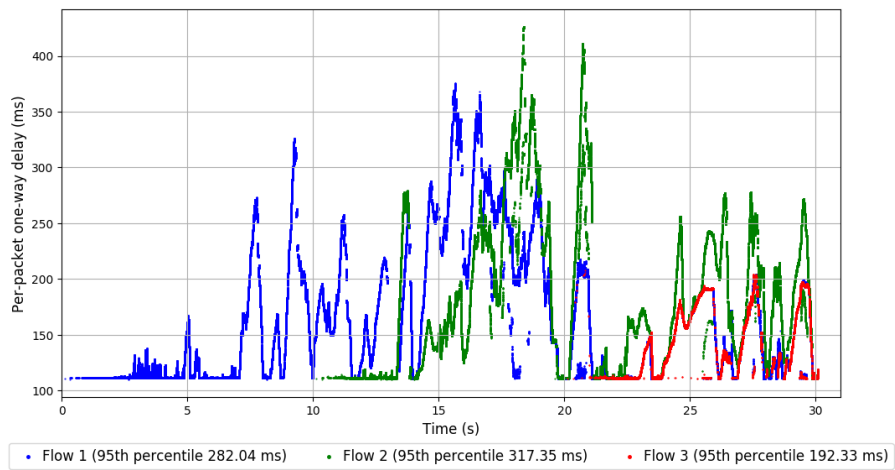
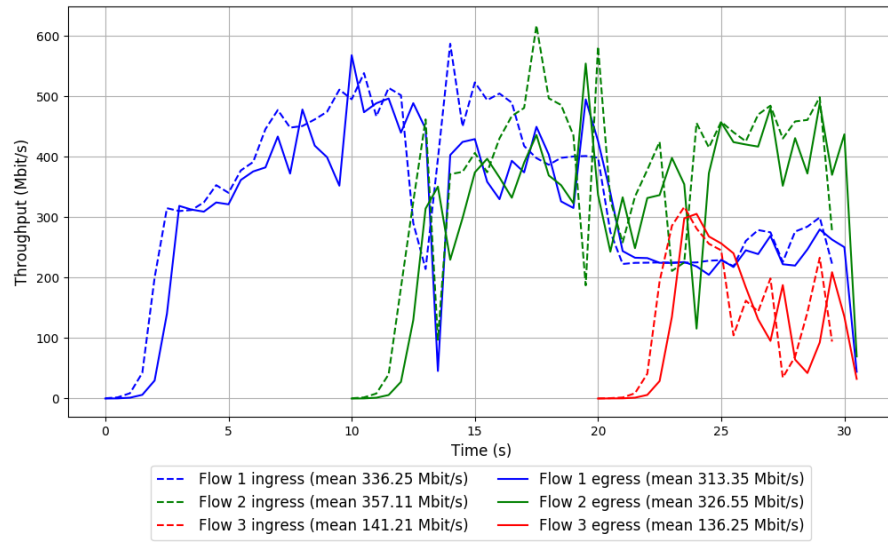


Run 9: Statistics of TCP BBR

Start at: 2018-08-09 09:41:33
End at: 2018-08-09 09:42:03
Local clock offset: 0.266 ms
Remote clock offset: -0.482 ms

Below is generated by plot.py at 2018-08-09 11:01:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 576.17 Mbit/s
95th percentile per-packet one-way delay: 297.498 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 313.35 Mbit/s
95th percentile per-packet one-way delay: 282.041 ms
Loss rate: 6.81%
-- Flow 2:
Average throughput: 326.55 Mbit/s
95th percentile per-packet one-way delay: 317.351 ms
Loss rate: 8.56%
-- Flow 3:
Average throughput: 136.25 Mbit/s
95th percentile per-packet one-way delay: 192.329 ms
Loss rate: 3.53%

Run 9: Report of TCP BBR — Data Link

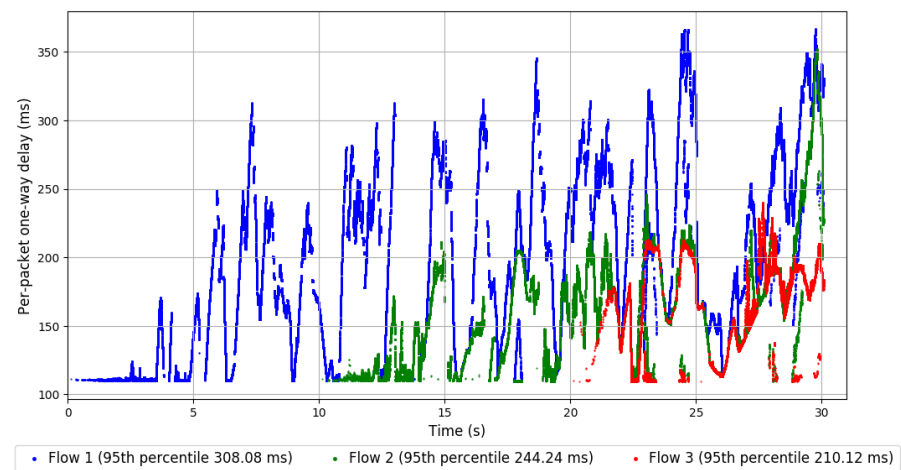
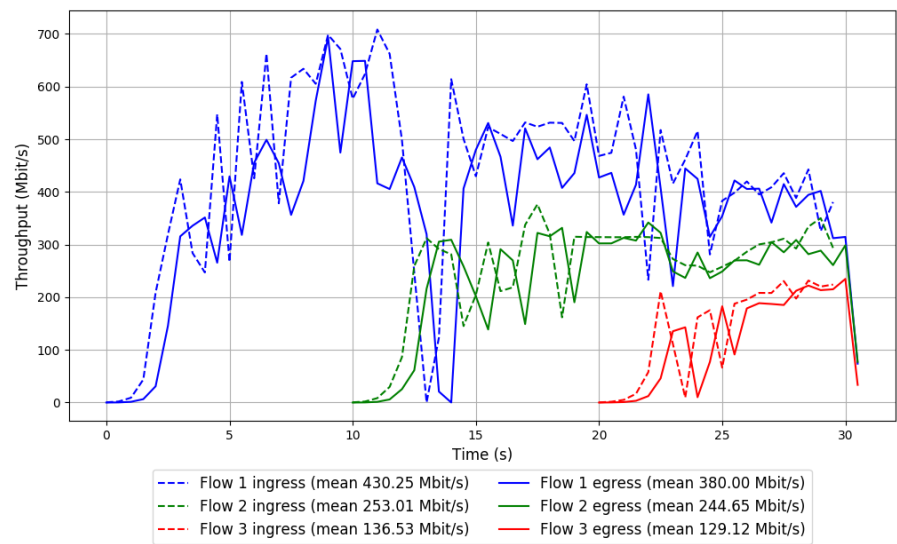


Run 10: Statistics of TCP BBR

Start at: 2018-08-09 10:08:06
End at: 2018-08-09 10:08:36
Local clock offset: -0.099 ms
Remote clock offset: -0.688 ms

Below is generated by plot.py at 2018-08-09 11:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 585.87 Mbit/s
95th percentile per-packet one-way delay: 298.051 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 380.00 Mbit/s
95th percentile per-packet one-way delay: 308.077 ms
Loss rate: 11.67%
-- Flow 2:
Average throughput: 244.65 Mbit/s
95th percentile per-packet one-way delay: 244.242 ms
Loss rate: 3.29%
-- Flow 3:
Average throughput: 129.12 Mbit/s
95th percentile per-packet one-way delay: 210.118 ms
Loss rate: 5.39%

Run 10: Report of TCP BBR — Data Link

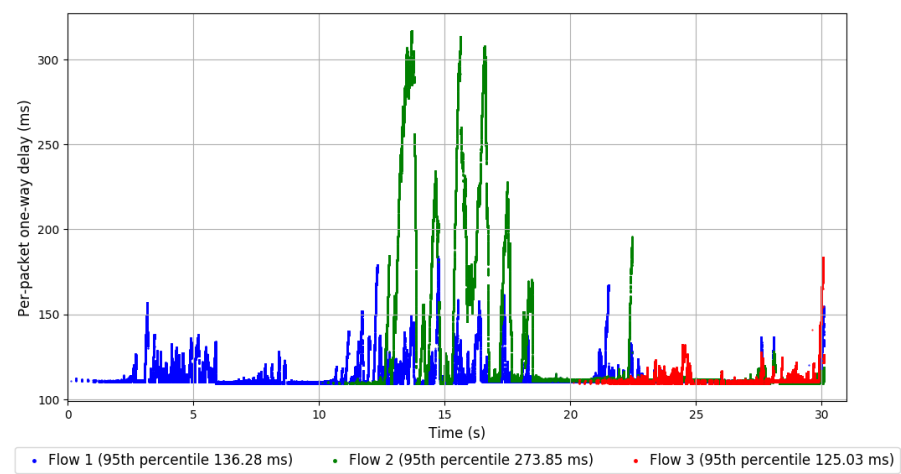
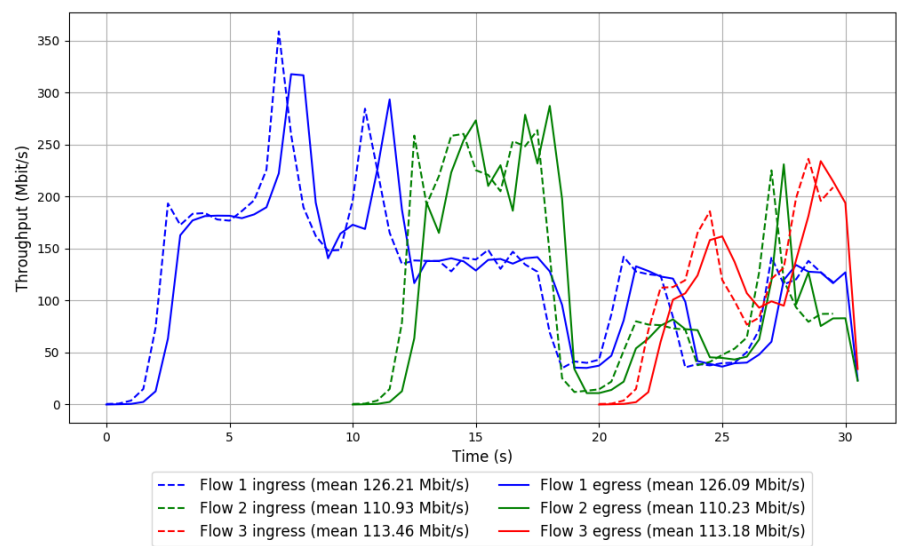


Run 1: Statistics of Copa

Start at: 2018-08-09 06:13:37
End at: 2018-08-09 06:14:07
Local clock offset: -0.231 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-08-09 11:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.10 Mbit/s
95th percentile per-packet one-way delay: 200.917 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 126.09 Mbit/s
95th percentile per-packet one-way delay: 136.275 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 110.23 Mbit/s
95th percentile per-packet one-way delay: 273.849 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 113.18 Mbit/s
95th percentile per-packet one-way delay: 125.032 ms
Loss rate: 0.15%

Run 1: Report of Copa — Data Link

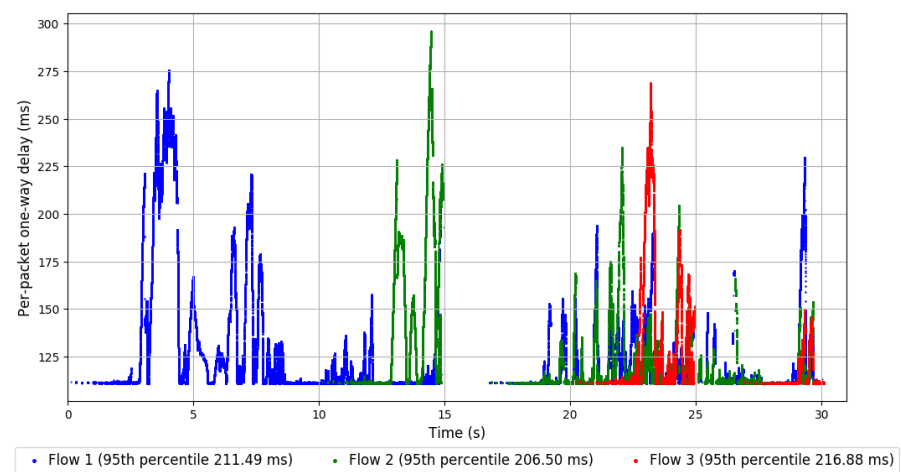
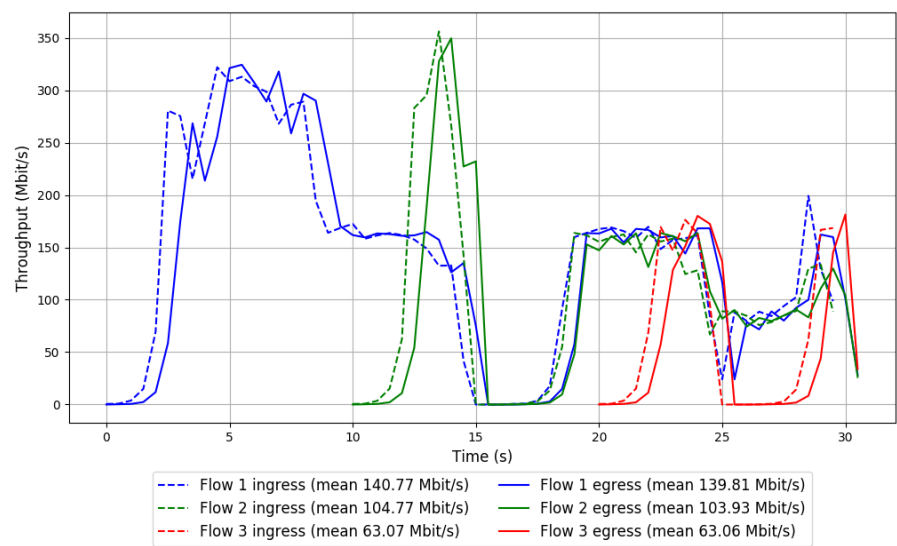


Run 2: Statistics of Copa

Start at: 2018-08-09 06:39:57
End at: 2018-08-09 06:40:27
Local clock offset: -0.168 ms
Remote clock offset: -0.529 ms

Below is generated by plot.py at 2018-08-09 11:02:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 229.98 Mbit/s
95th percentile per-packet one-way delay: 210.436 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 139.81 Mbit/s
95th percentile per-packet one-way delay: 211.491 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 103.93 Mbit/s
95th percentile per-packet one-way delay: 206.495 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 216.878 ms
Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-08-09 07:06:36

End at: 2018-08-09 07:07:06

Local clock offset: 0.13 ms

Remote clock offset: 0.298 ms

Below is generated by plot.py at 2018-08-09 11:02:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 295.91 Mbit/s

95th percentile per-packet one-way delay: 191.353 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 195.74 Mbit/s

95th percentile per-packet one-way delay: 189.665 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 136.153 ms

Loss rate: 0.23%

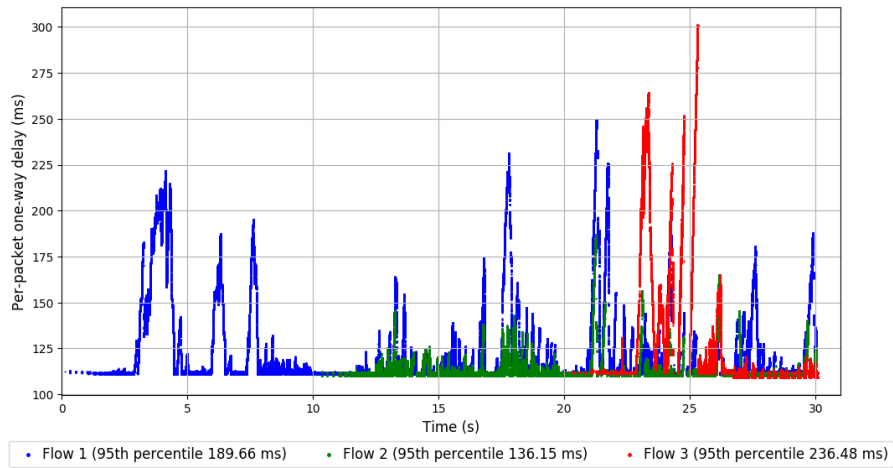
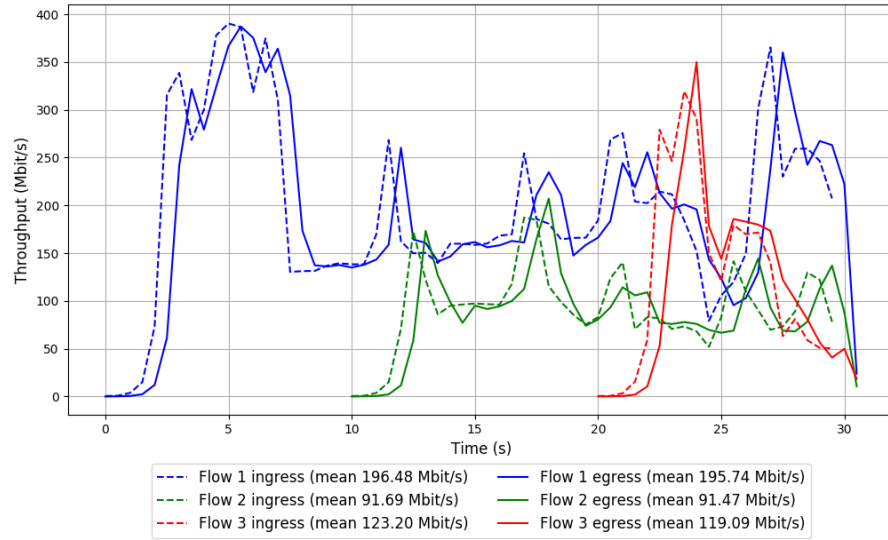
-- Flow 3:

Average throughput: 119.09 Mbit/s

95th percentile per-packet one-way delay: 236.483 ms

Loss rate: 3.34%

Run 3: Report of Copa — Data Link

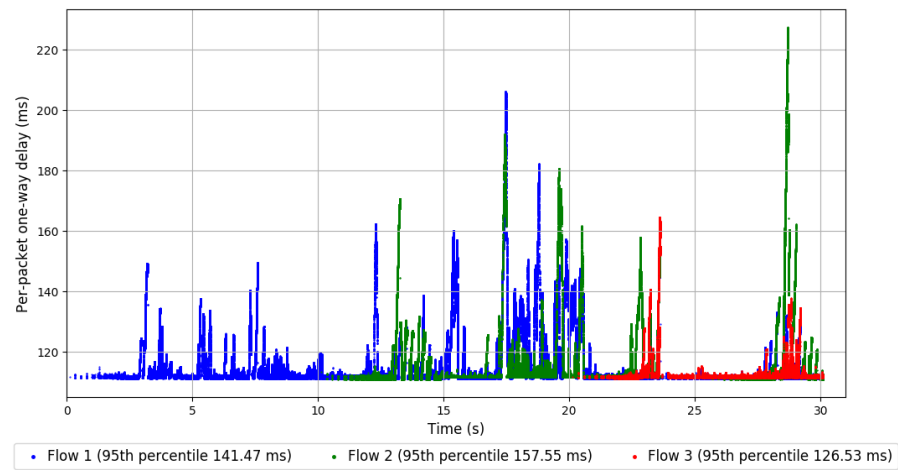
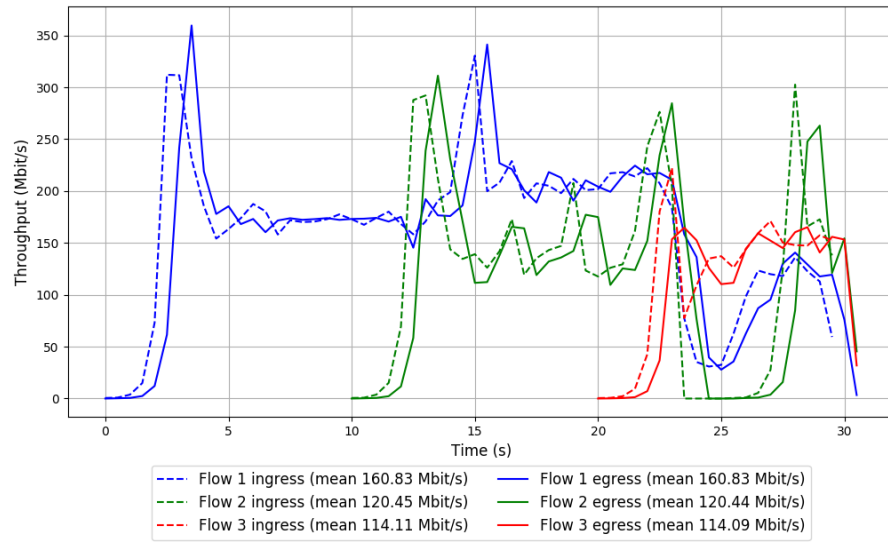


Run 4: Statistics of Copa

Start at: 2018-08-09 07:33:30
End at: 2018-08-09 07:34:00
Local clock offset: -0.246 ms
Remote clock offset: 0.27 ms

```
# Below is generated by plot.py at 2018-08-09 11:02:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 278.93 Mbit/s
95th percentile per-packet one-way delay: 144.865 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.83 Mbit/s
95th percentile per-packet one-way delay: 141.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.44 Mbit/s
95th percentile per-packet one-way delay: 157.548 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 114.09 Mbit/s
95th percentile per-packet one-way delay: 126.529 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-08-09 08:00:22

End at: 2018-08-09 08:00:52

Local clock offset: 0.025 ms

Remote clock offset: 0.179 ms

Below is generated by plot.py at 2018-08-09 11:02:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 301.83 Mbit/s

95th percentile per-packet one-way delay: 192.947 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 168.56 Mbit/s

95th percentile per-packet one-way delay: 190.356 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 135.25 Mbit/s

95th percentile per-packet one-way delay: 191.961 ms

Loss rate: 0.12%

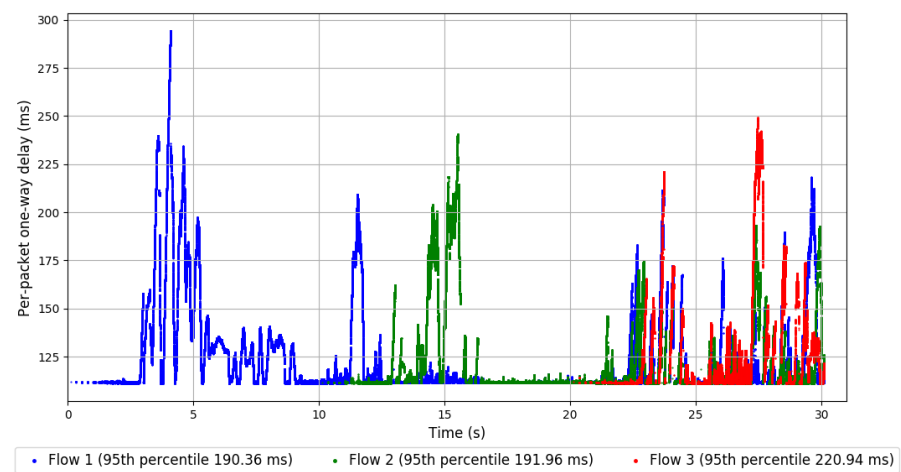
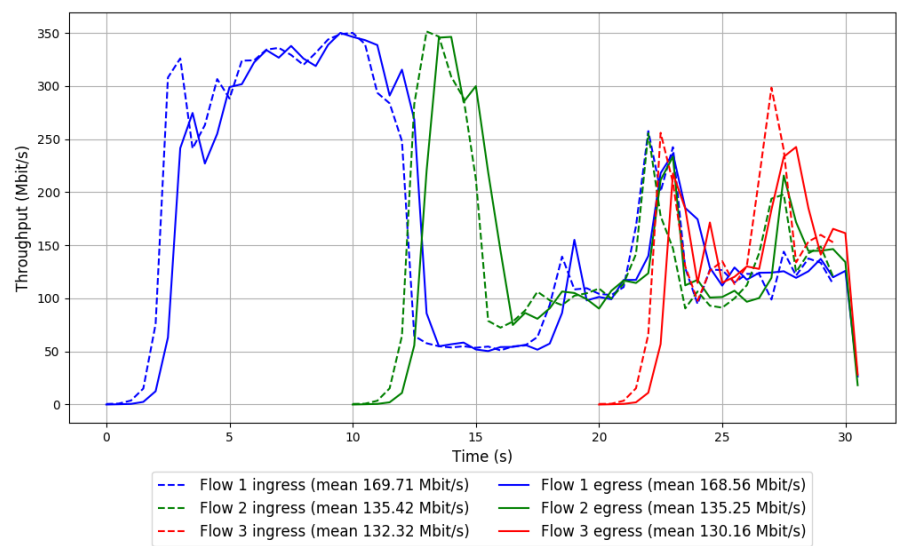
-- Flow 3:

Average throughput: 130.16 Mbit/s

95th percentile per-packet one-way delay: 220.937 ms

Loss rate: 1.61%

Run 5: Report of Copa — Data Link

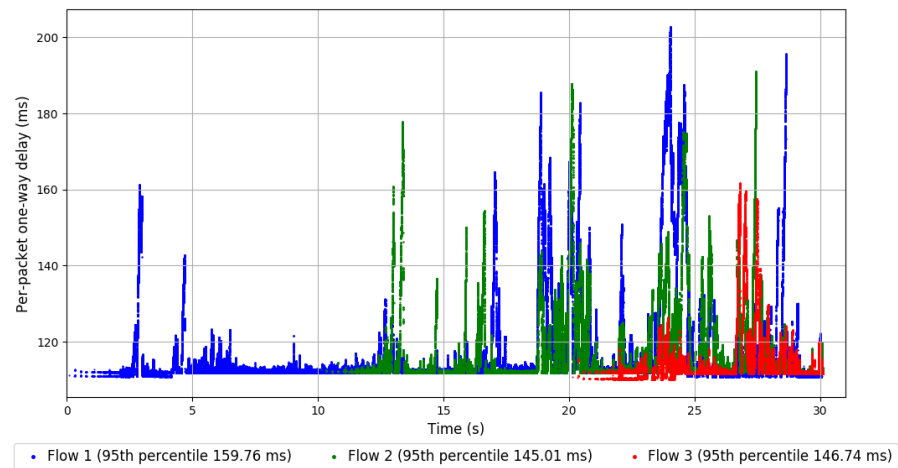
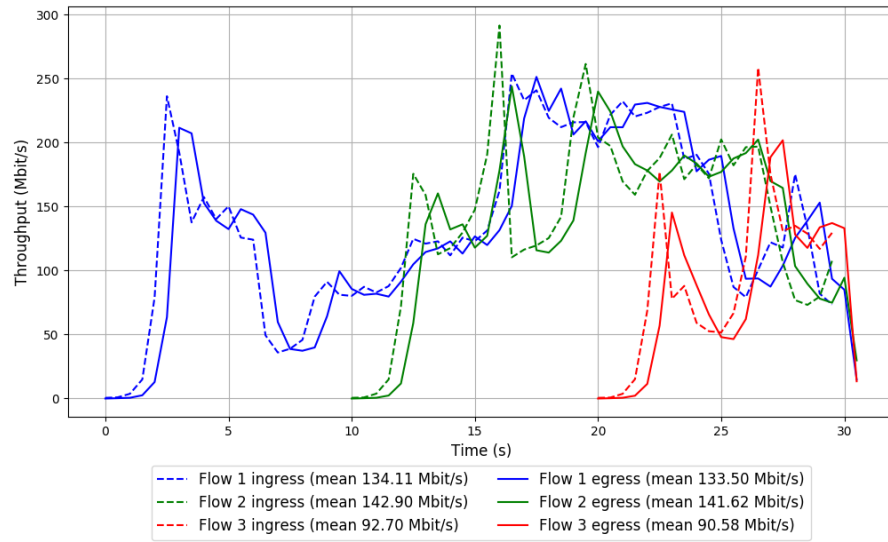


Run 6: Statistics of Copa

Start at: 2018-08-09 08:26:59
End at: 2018-08-09 08:27:29
Local clock offset: -1.542 ms
Remote clock offset: -0.496 ms

Below is generated by plot.py at 2018-08-09 11:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.84 Mbit/s
95th percentile per-packet one-way delay: 153.280 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 133.50 Mbit/s
95th percentile per-packet one-way delay: 159.765 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 141.62 Mbit/s
95th percentile per-packet one-way delay: 145.012 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 90.58 Mbit/s
95th percentile per-packet one-way delay: 146.736 ms
Loss rate: 2.29%

Run 6: Report of Copa — Data Link

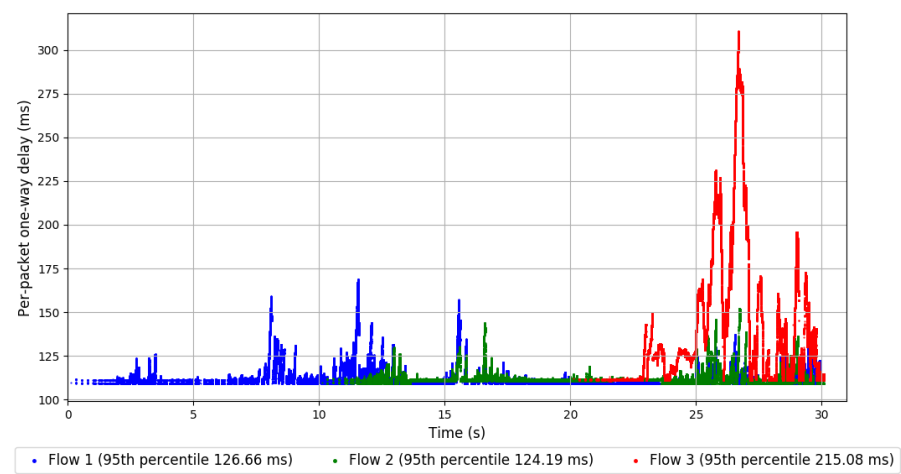
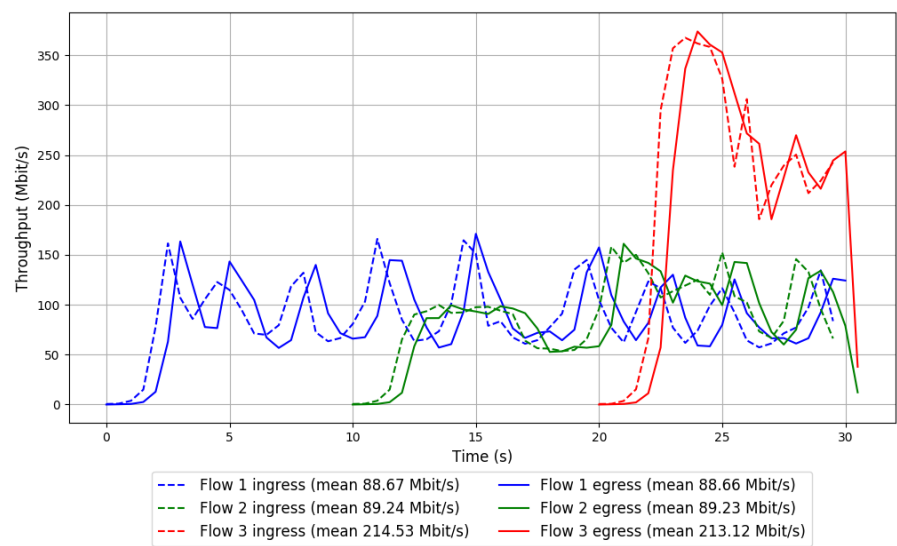


Run 7: Statistics of Copa

Start at: 2018-08-09 08:53:22
End at: 2018-08-09 08:53:52
Local clock offset: 0.145 ms
Remote clock offset: -0.115 ms

Below is generated by plot.py at 2018-08-09 11:06:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.39 Mbit/s
95th percentile per-packet one-way delay: 167.115 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 126.662 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 124.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 213.12 Mbit/s
95th percentile per-packet one-way delay: 215.078 ms
Loss rate: 0.66%

Run 7: Report of Copa — Data Link

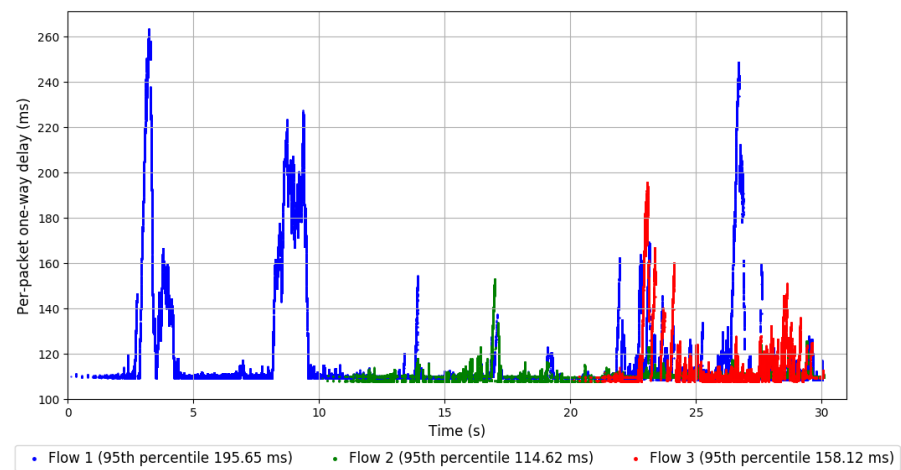
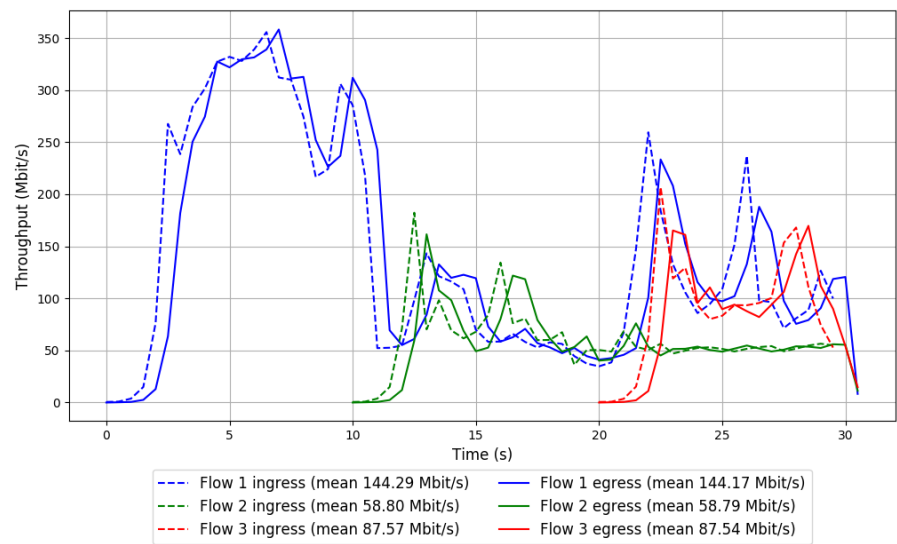


Run 8: Statistics of Copa

Start at: 2018-08-09 09:19:54
End at: 2018-08-09 09:20:24
Local clock offset: 1.249 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-08-09 11:06:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.07 Mbit/s
95th percentile per-packet one-way delay: 180.858 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 144.17 Mbit/s
95th percentile per-packet one-way delay: 195.650 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 58.79 Mbit/s
95th percentile per-packet one-way delay: 114.621 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 158.122 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

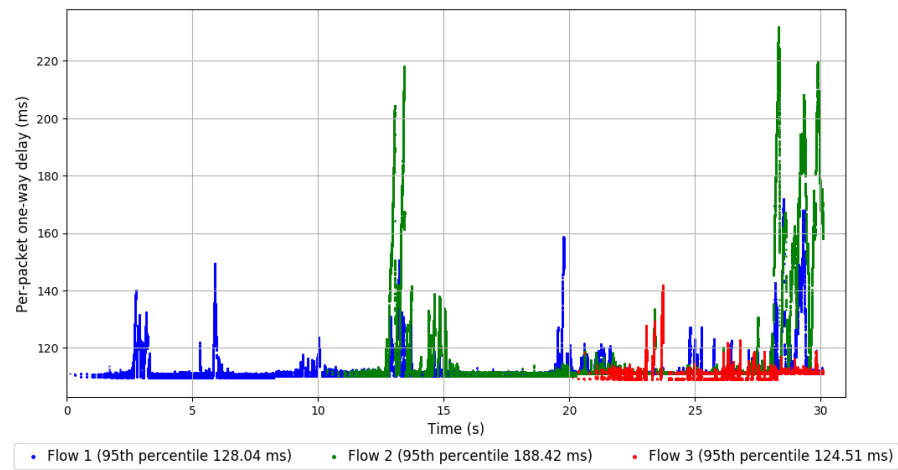
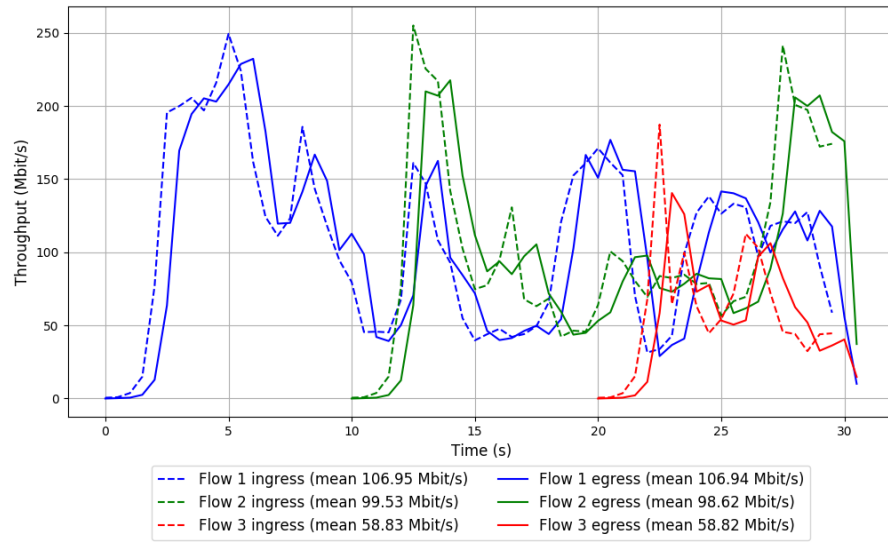


Run 9: Statistics of Copa

Start at: 2018-08-09 09:46:25
End at: 2018-08-09 09:46:55
Local clock offset: 0.071 ms
Remote clock offset: -0.544 ms

Below is generated by plot.py at 2018-08-09 11:06:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 192.17 Mbit/s
95th percentile per-packet one-way delay: 160.691 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 106.94 Mbit/s
95th percentile per-packet one-way delay: 128.039 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 98.62 Mbit/s
95th percentile per-packet one-way delay: 188.418 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 58.82 Mbit/s
95th percentile per-packet one-way delay: 124.510 ms
Loss rate: 0.01%

Run 9: Report of Copa — Data Link

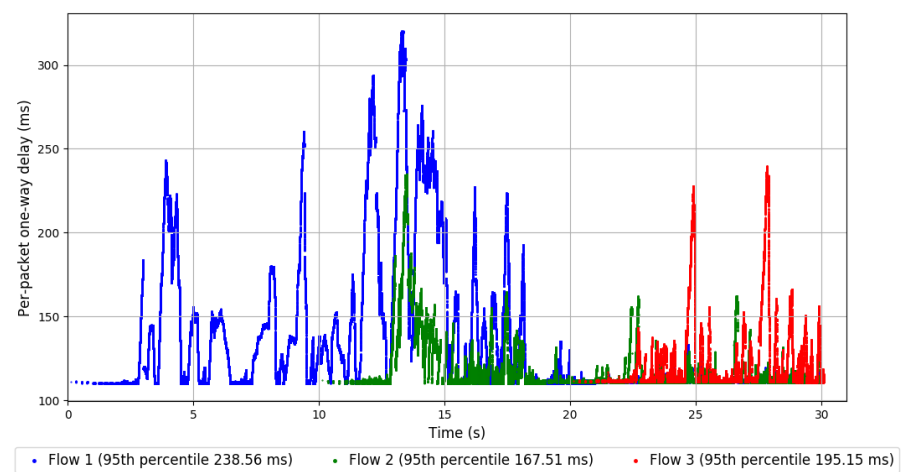
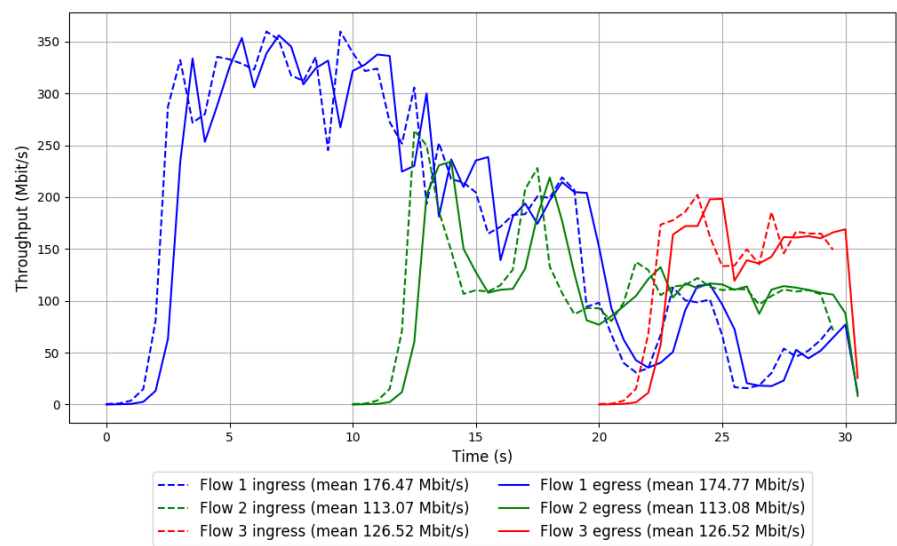


Run 10: Statistics of Copa

Start at: 2018-08-09 10:13:14
End at: 2018-08-09 10:13:44
Local clock offset: -0.255 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-08-09 11:09:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.09 Mbit/s
95th percentile per-packet one-way delay: 222.705 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 174.77 Mbit/s
95th percentile per-packet one-way delay: 238.559 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 113.08 Mbit/s
95th percentile per-packet one-way delay: 167.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.52 Mbit/s
95th percentile per-packet one-way delay: 195.151 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-08-09 06:18:36

End at: 2018-08-09 06:19:06

Local clock offset: 0.001 ms

Remote clock offset: -0.57 ms

Below is generated by plot.py at 2018-08-09 11:09:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.93 Mbit/s

95th percentile per-packet one-way delay: 149.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 154.21 Mbit/s

95th percentile per-packet one-way delay: 132.785 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 122.99 Mbit/s

95th percentile per-packet one-way delay: 129.424 ms

Loss rate: 0.00%

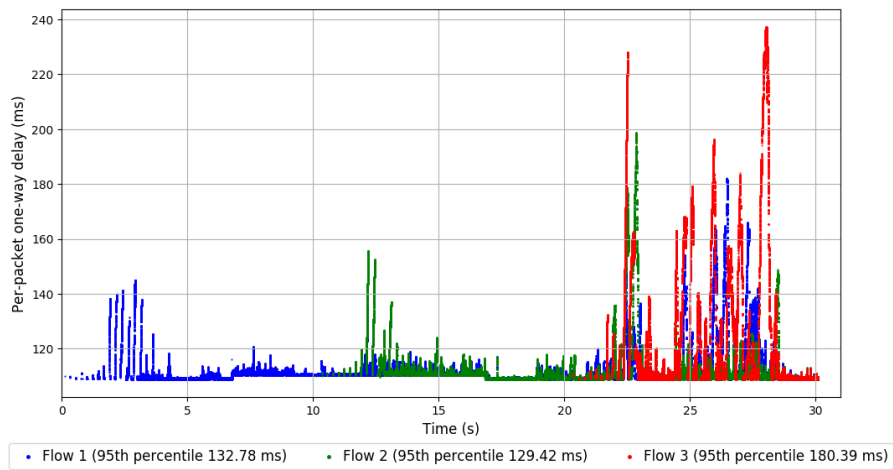
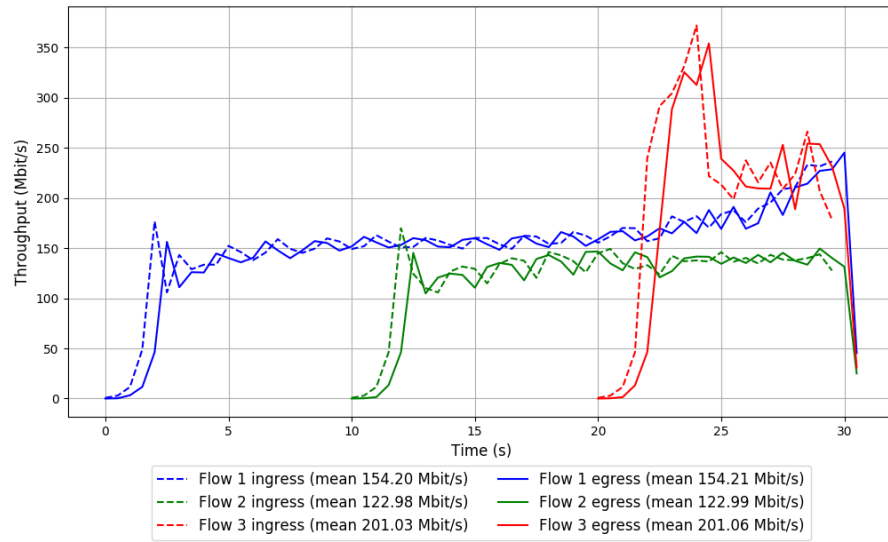
-- Flow 3:

Average throughput: 201.06 Mbit/s

95th percentile per-packet one-way delay: 180.388 ms

Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

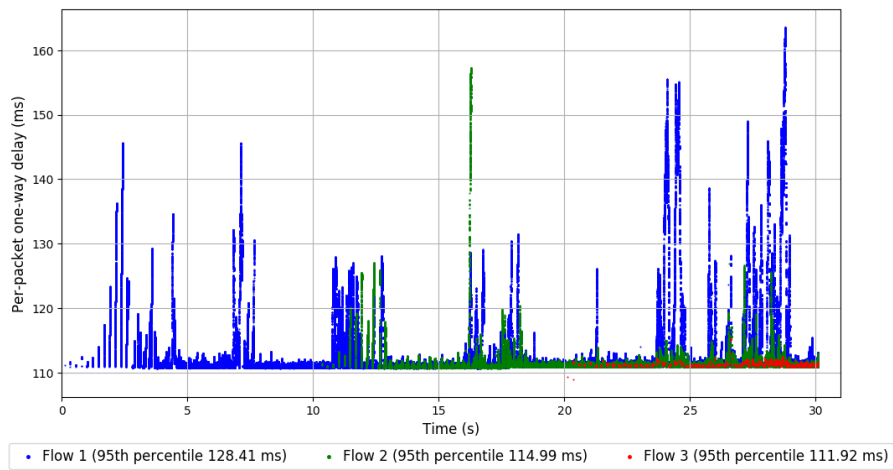
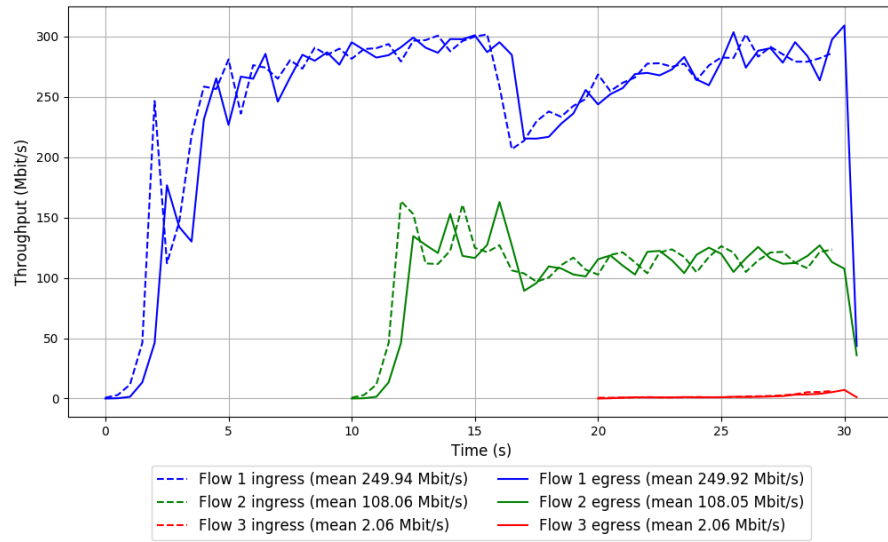


Run 2: Statistics of TCP Cubic

Start at: 2018-08-09 06:44:55
End at: 2018-08-09 06:45:25
Local clock offset: 0.008 ms
Remote clock offset: -0.643 ms

Below is generated by plot.py at 2018-08-09 11:09:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 322.58 Mbit/s
95th percentile per-packet one-way delay: 125.410 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 249.92 Mbit/s
95th percentile per-packet one-way delay: 128.414 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 108.05 Mbit/s
95th percentile per-packet one-way delay: 114.990 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 111.921 ms
Loss rate: 0.06%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-08-09 07:11:47

End at: 2018-08-09 07:12:17

Local clock offset: -1.276 ms

Remote clock offset: 0.26 ms

Below is generated by plot.py at 2018-08-09 11:09:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.44 Mbit/s

95th percentile per-packet one-way delay: 132.498 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 217.33 Mbit/s

95th percentile per-packet one-way delay: 134.386 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 146.16 Mbit/s

95th percentile per-packet one-way delay: 124.979 ms

Loss rate: 0.13%

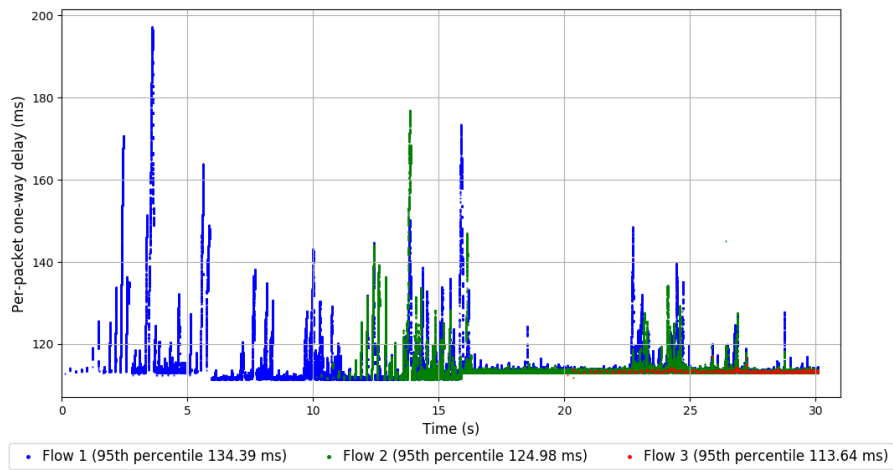
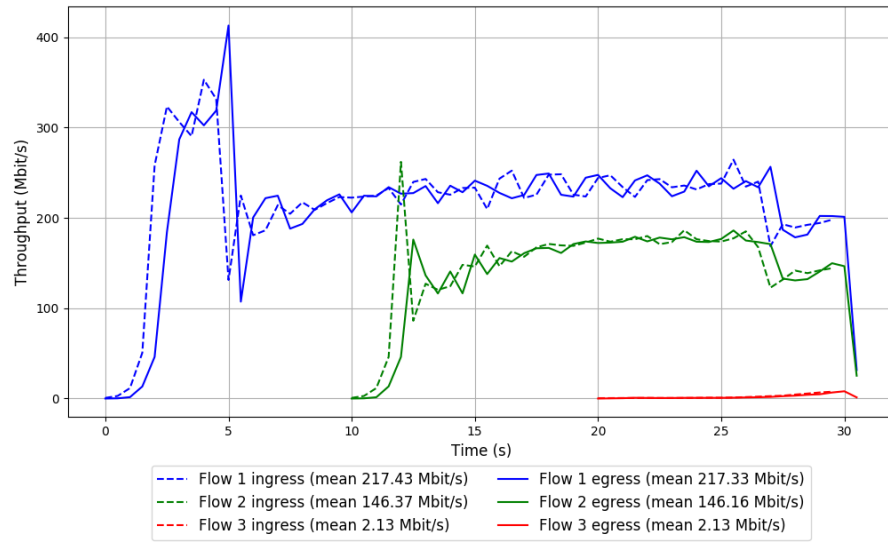
-- Flow 3:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 113.642 ms

Loss rate: 0.11%

Run 3: Report of TCP Cubic — Data Link

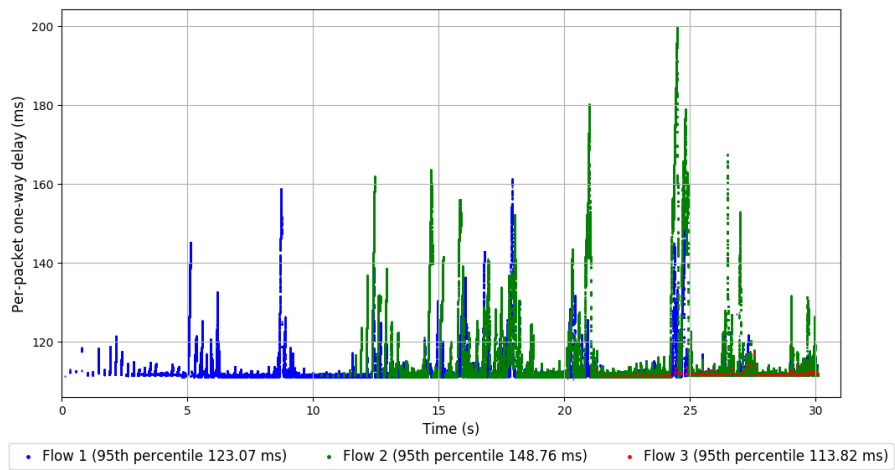
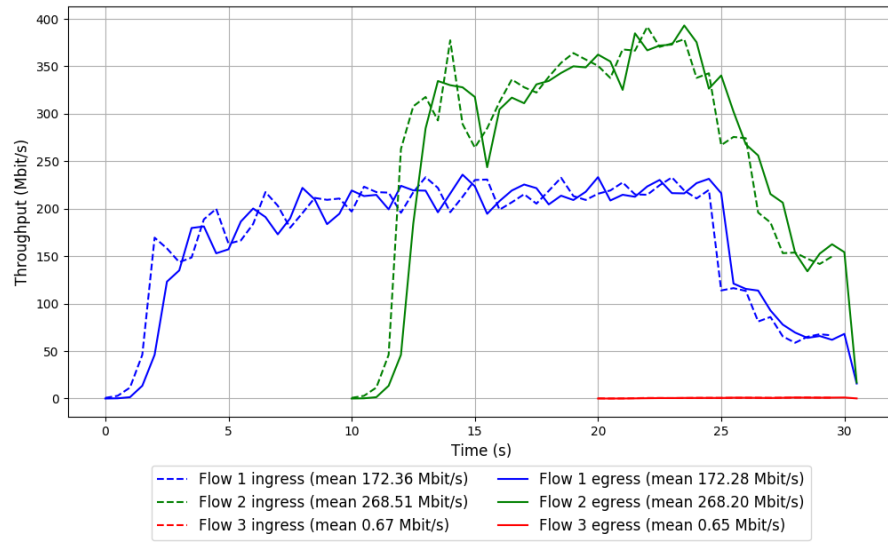


Run 4: Statistics of TCP Cubic

Start at: 2018-08-09 07:38:38
End at: 2018-08-09 07:39:08
Local clock offset: -0.113 ms
Remote clock offset: -0.133 ms

Below is generated by plot.py at 2018-08-09 11:09:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.24 Mbit/s
95th percentile per-packet one-way delay: 136.860 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 172.28 Mbit/s
95th percentile per-packet one-way delay: 123.072 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 268.20 Mbit/s
95th percentile per-packet one-way delay: 148.764 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 113.819 ms
Loss rate: 2.87%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-08-09 08:05:27

End at: 2018-08-09 08:05:57

Local clock offset: -0.052 ms

Remote clock offset: 0.266 ms

Below is generated by plot.py at 2018-08-09 11:11:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.83 Mbit/s

95th percentile per-packet one-way delay: 133.151 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 201.34 Mbit/s

95th percentile per-packet one-way delay: 127.355 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 184.96 Mbit/s

95th percentile per-packet one-way delay: 140.423 ms

Loss rate: 0.07%

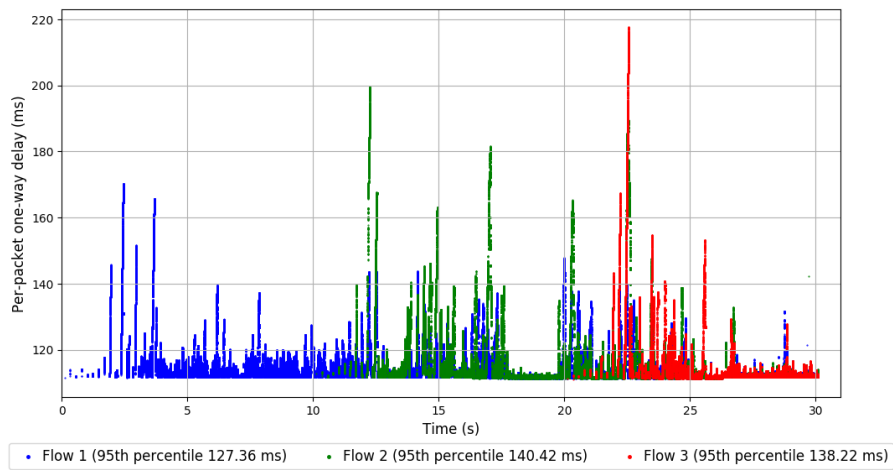
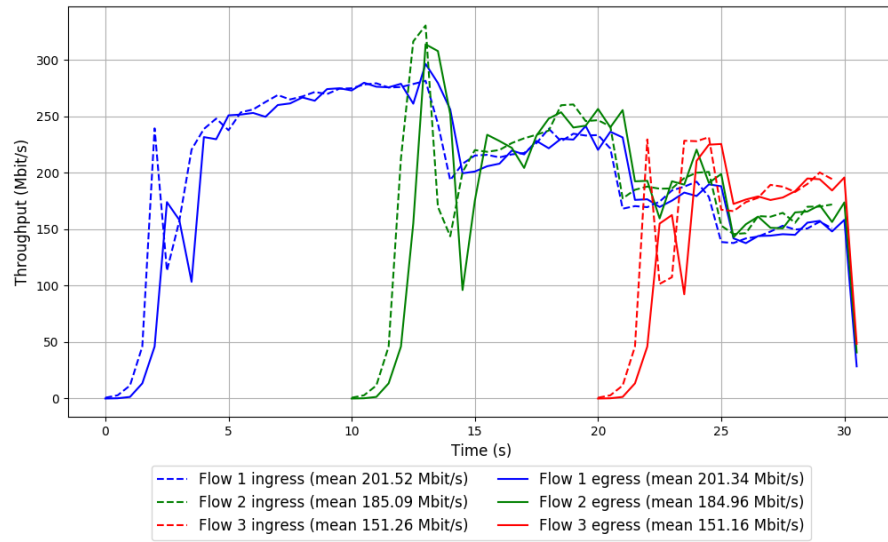
-- Flow 3:

Average throughput: 151.16 Mbit/s

95th percentile per-packet one-way delay: 138.220 ms

Loss rate: 0.08%

Run 5: Report of TCP Cubic — Data Link

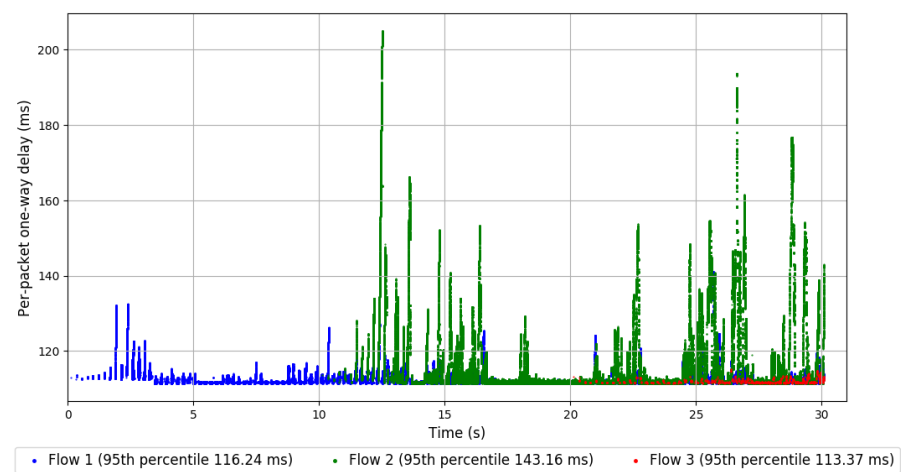
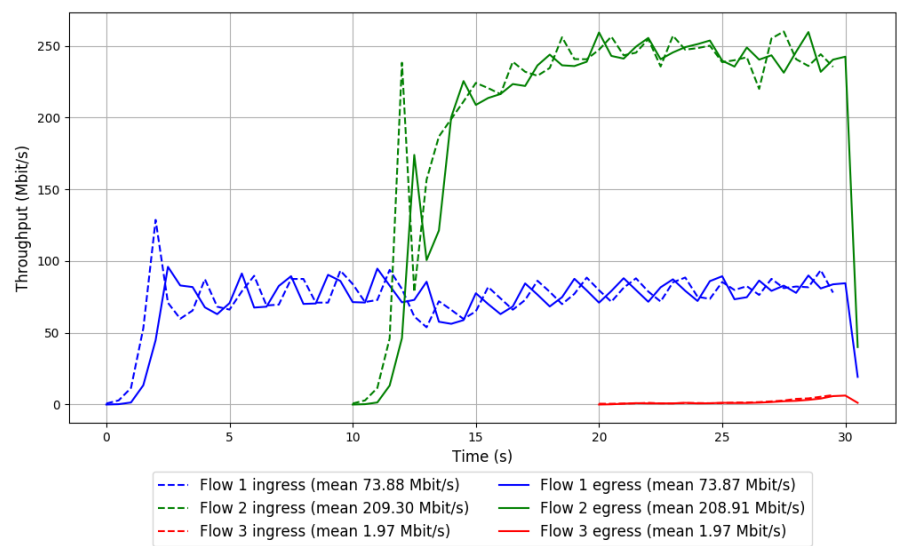


Run 6: Statistics of TCP Cubic

Start at: 2018-08-09 08:32:00
End at: 2018-08-09 08:32:30
Local clock offset: -1.326 ms
Remote clock offset: 0.254 ms

Below is generated by plot.py at 2018-08-09 11:11:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.68 Mbit/s
95th percentile per-packet one-way delay: 135.986 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 73.87 Mbit/s
95th percentile per-packet one-way delay: 116.240 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 208.91 Mbit/s
95th percentile per-packet one-way delay: 143.159 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 113.370 ms
Loss rate: 0.18%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-08-09 08:58:30

End at: 2018-08-09 08:59:00

Local clock offset: -1.14 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-08-09 11:11:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 318.94 Mbit/s

95th percentile per-packet one-way delay: 134.111 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 174.24 Mbit/s

95th percentile per-packet one-way delay: 125.499 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 216.39 Mbit/s

95th percentile per-packet one-way delay: 142.451 ms

Loss rate: 0.05%

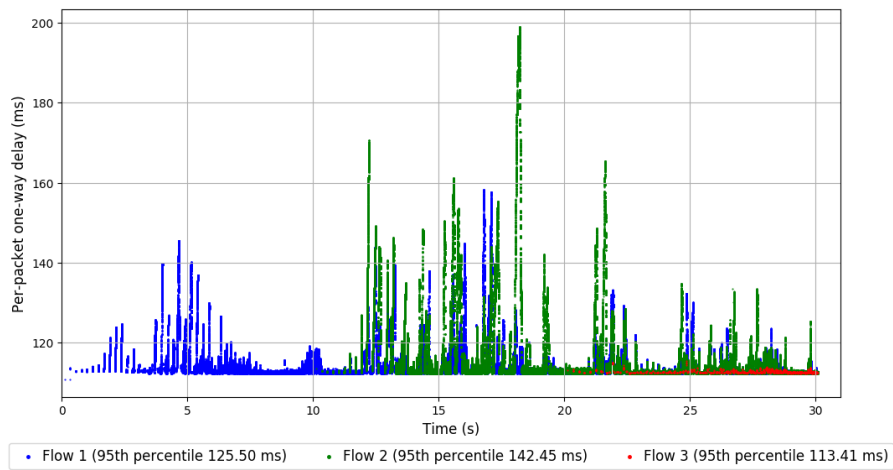
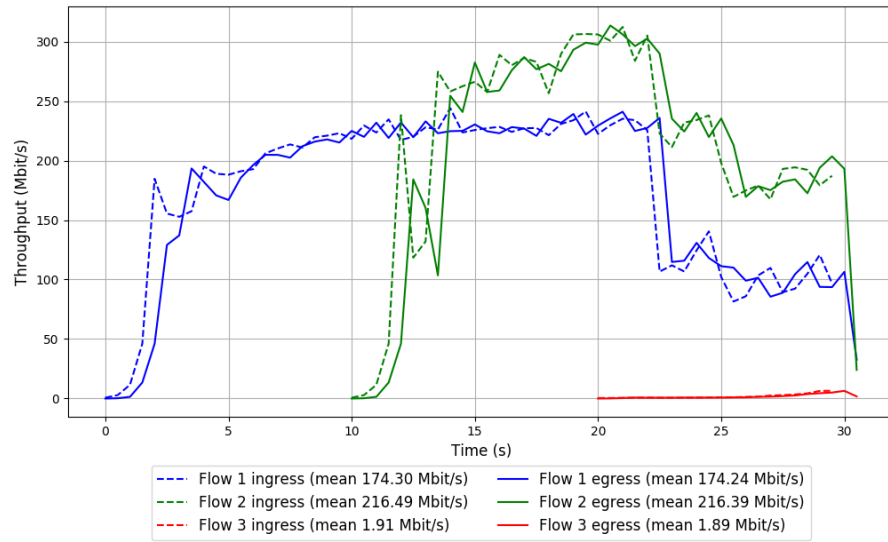
-- Flow 3:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 113.408 ms

Loss rate: 0.88%

Run 7: Report of TCP Cubic — Data Link

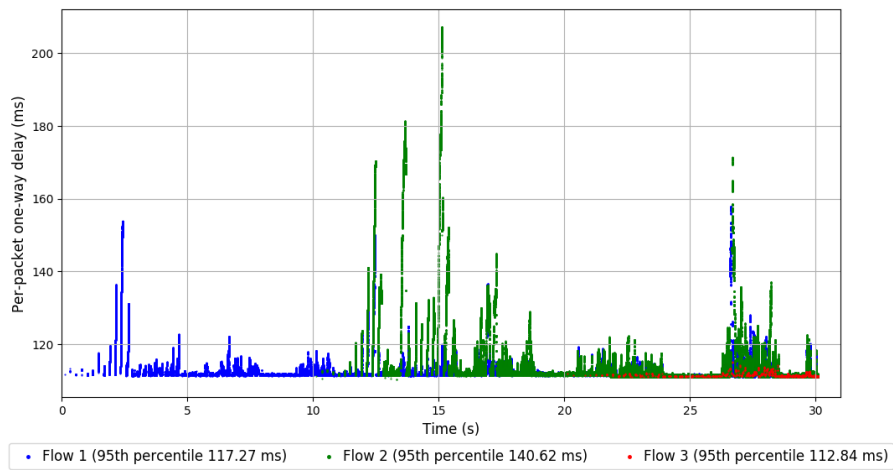
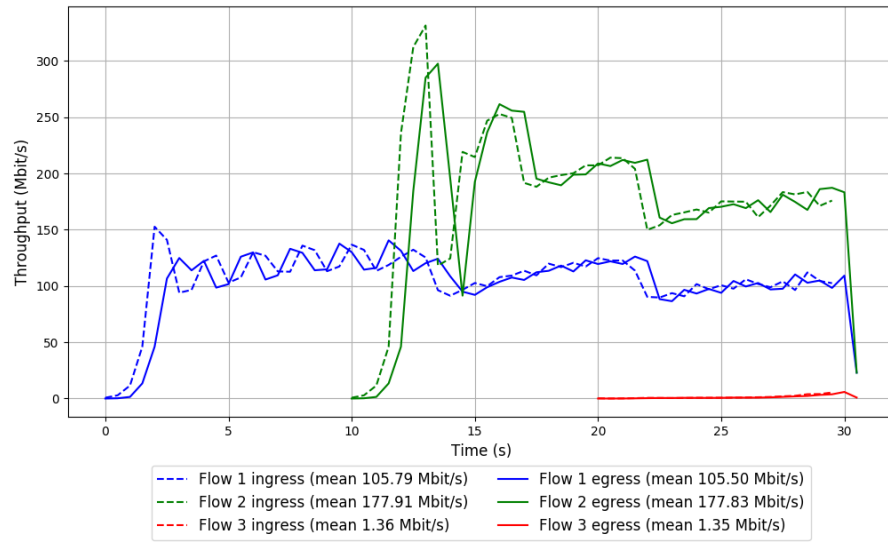


Run 8: Statistics of TCP Cubic

Start at: 2018-08-09 09:24:51
End at: 2018-08-09 09:25:21
Local clock offset: -0.164 ms
Remote clock offset: -0.248 ms

Below is generated by plot.py at 2018-08-09 11:11:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.40 Mbit/s
95th percentile per-packet one-way delay: 132.256 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 105.50 Mbit/s
95th percentile per-packet one-way delay: 117.273 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 177.83 Mbit/s
95th percentile per-packet one-way delay: 140.624 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 1.35 Mbit/s
95th percentile per-packet one-way delay: 112.837 ms
Loss rate: 0.89%

Run 8: Report of TCP Cubic — Data Link

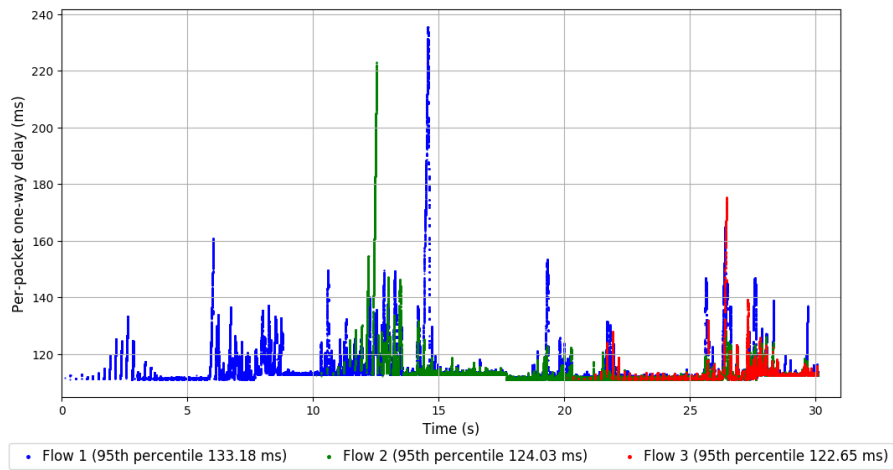
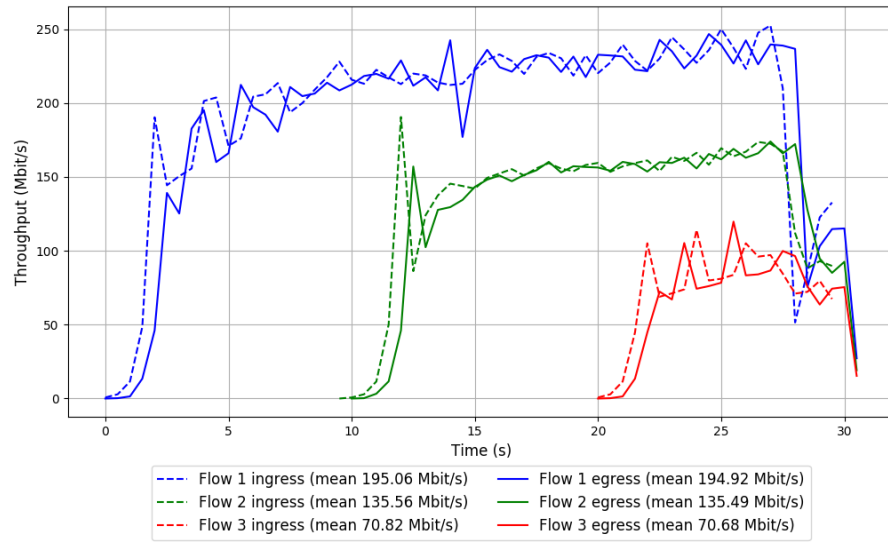


Run 9: Statistics of TCP Cubic

Start at: 2018-08-09 09:51:26
End at: 2018-08-09 09:51:56
Local clock offset: -1.31 ms
Remote clock offset: -0.562 ms

Below is generated by plot.py at 2018-08-09 11:11:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.71 Mbit/s
95th percentile per-packet one-way delay: 130.680 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 194.92 Mbit/s
95th percentile per-packet one-way delay: 133.184 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 135.49 Mbit/s
95th percentile per-packet one-way delay: 124.025 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 70.68 Mbit/s
95th percentile per-packet one-way delay: 122.651 ms
Loss rate: 0.18%

Run 9: Report of TCP Cubic — Data Link

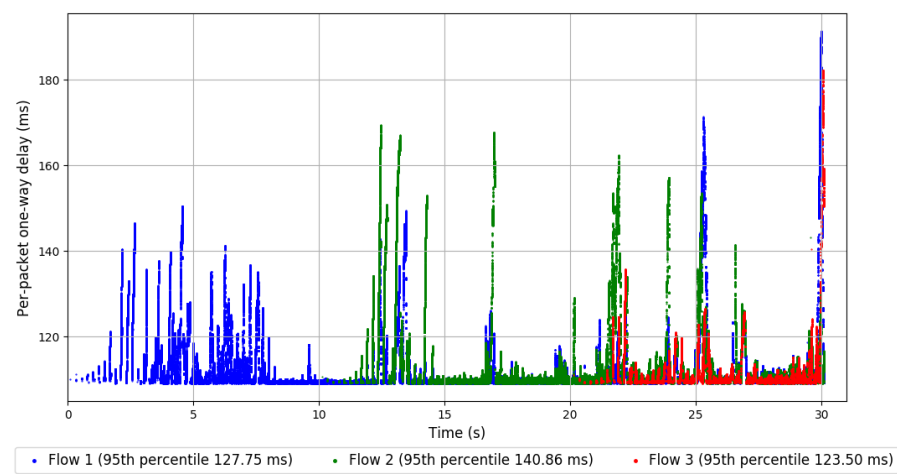
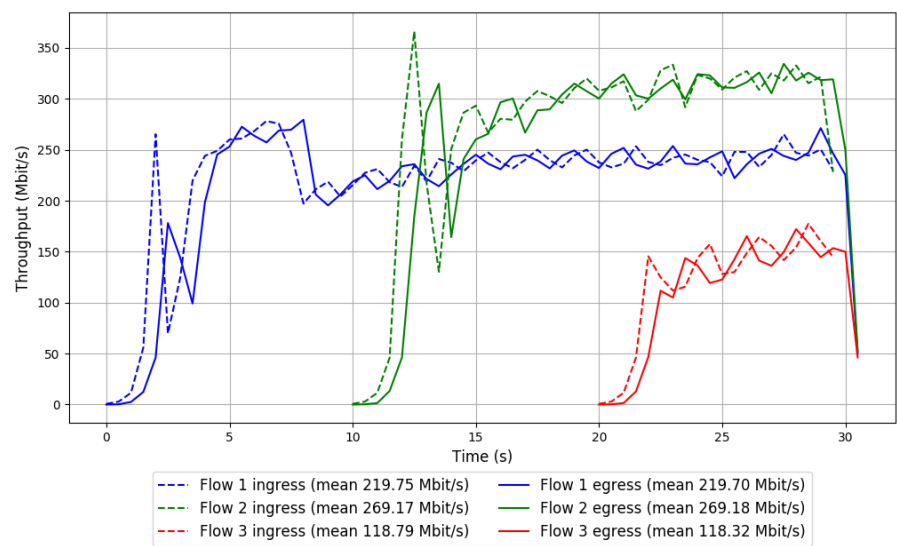


Run 10: Statistics of TCP Cubic

Start at: 2018-08-09 10:18:28
End at: 2018-08-09 10:18:58
Local clock offset: -0.1 ms
Remote clock offset: -1.108 ms

Below is generated by plot.py at 2018-08-09 11:13:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 438.29 Mbit/s
95th percentile per-packet one-way delay: 132.152 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 219.70 Mbit/s
95th percentile per-packet one-way delay: 127.753 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 269.18 Mbit/s
95th percentile per-packet one-way delay: 140.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.32 Mbit/s
95th percentile per-packet one-way delay: 123.497 ms
Loss rate: 0.24%

Run 10: Report of TCP Cubic — Data Link

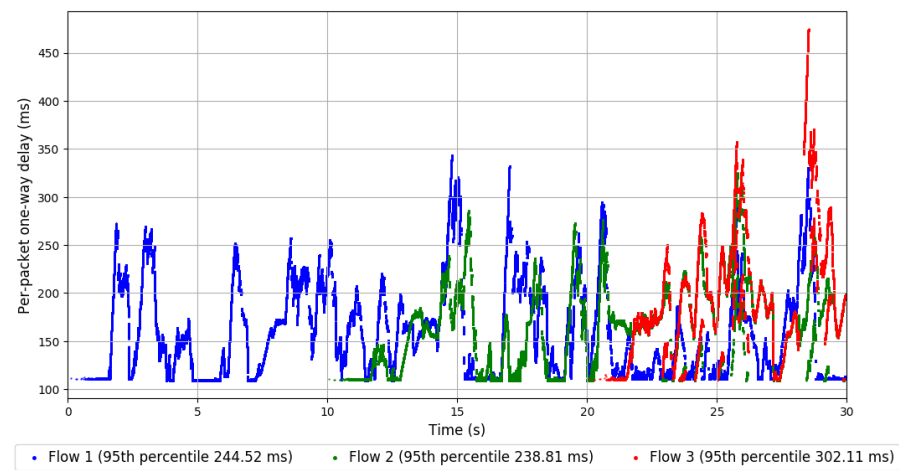
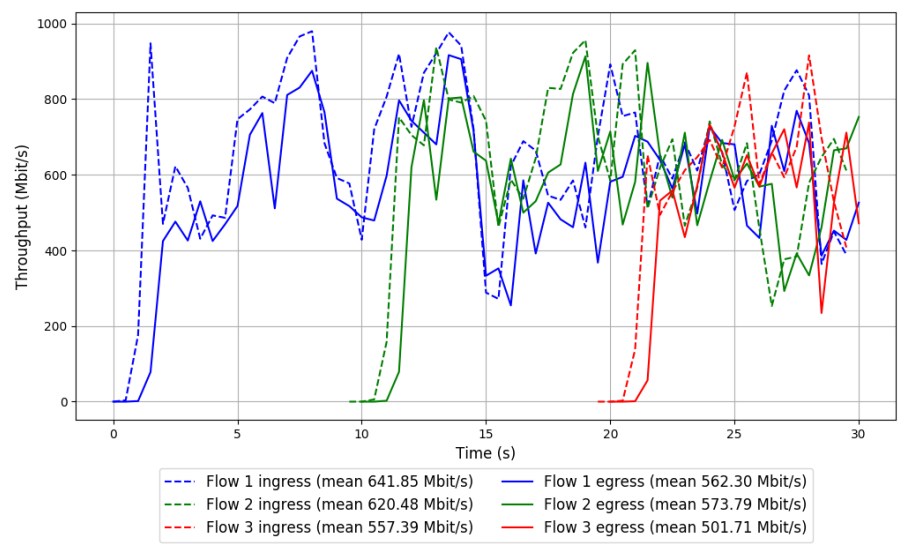


Run 1: Statistics of FillP

Start at: 2018-08-09 06:16:30
End at: 2018-08-09 06:17:00
Local clock offset: 0.269 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-09 11:27:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1111.79 Mbit/s
95th percentile per-packet one-way delay: 254.981 ms
Loss rate: 10.41%
-- Flow 1:
Average throughput: 562.30 Mbit/s
95th percentile per-packet one-way delay: 244.521 ms
Loss rate: 12.40%
-- Flow 2:
Average throughput: 573.79 Mbit/s
95th percentile per-packet one-way delay: 238.815 ms
Loss rate: 7.52%
-- Flow 3:
Average throughput: 501.71 Mbit/s
95th percentile per-packet one-way delay: 302.109 ms
Loss rate: 9.98%

Run 1: Report of FillP — Data Link

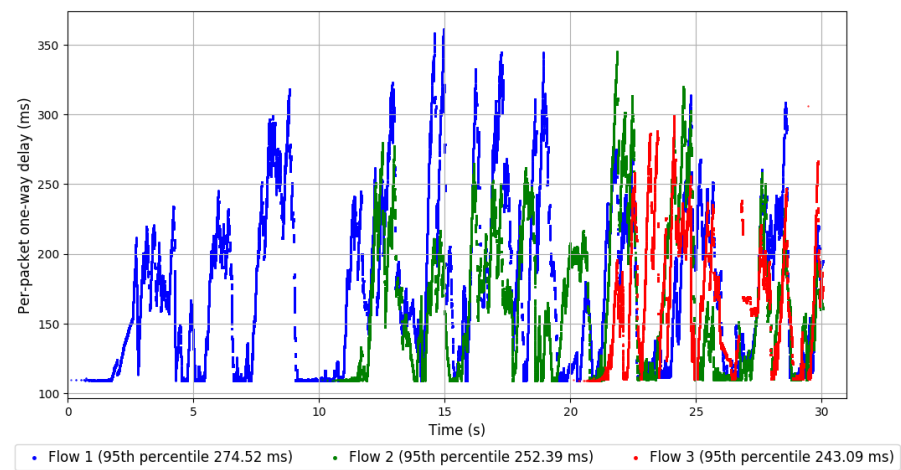
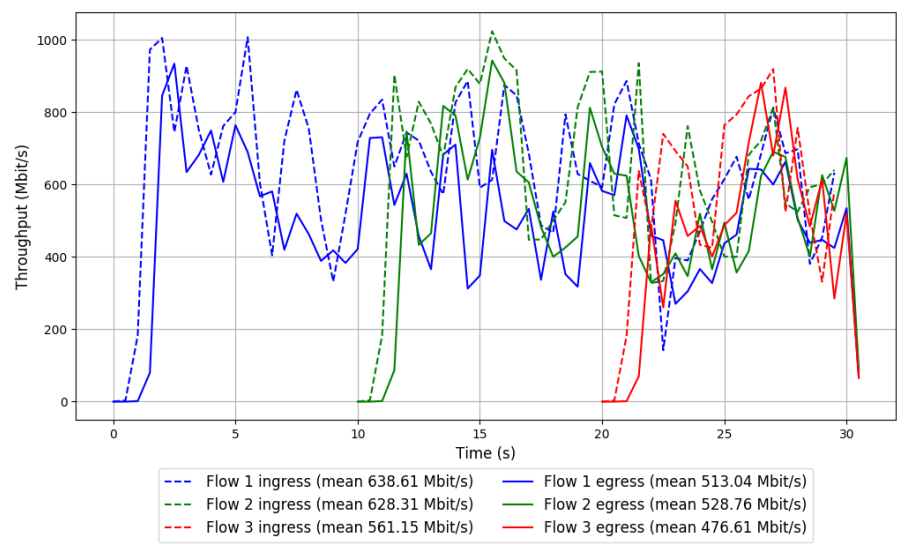


Run 2: Statistics of FillP

Start at: 2018-08-09 06:42:52
End at: 2018-08-09 06:43:22
Local clock offset: -0.109 ms
Remote clock offset: -0.161 ms

Below is generated by plot.py at 2018-08-09 11:28:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1022.98 Mbit/s
95th percentile per-packet one-way delay: 263.327 ms
Loss rate: 17.68%
-- Flow 1:
Average throughput: 513.04 Mbit/s
95th percentile per-packet one-way delay: 274.522 ms
Loss rate: 19.66%
-- Flow 2:
Average throughput: 528.76 Mbit/s
95th percentile per-packet one-way delay: 252.391 ms
Loss rate: 15.82%
-- Flow 3:
Average throughput: 476.61 Mbit/s
95th percentile per-packet one-way delay: 243.093 ms
Loss rate: 15.05%

Run 2: Report of FillP — Data Link

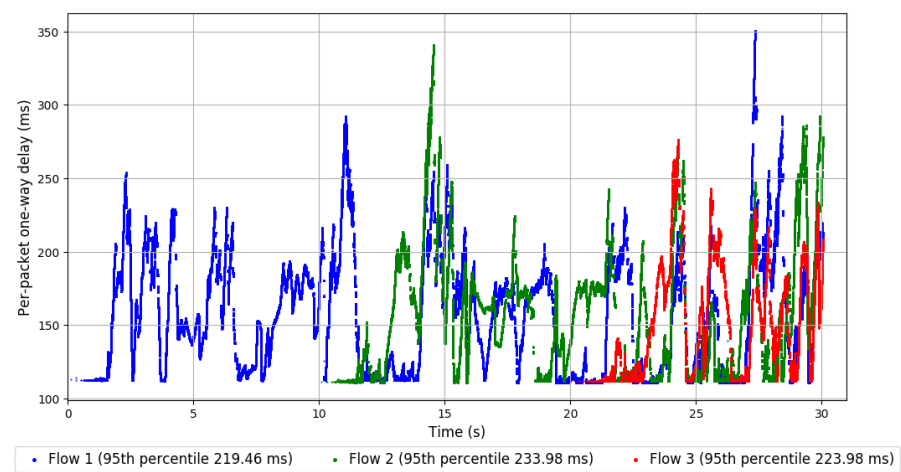
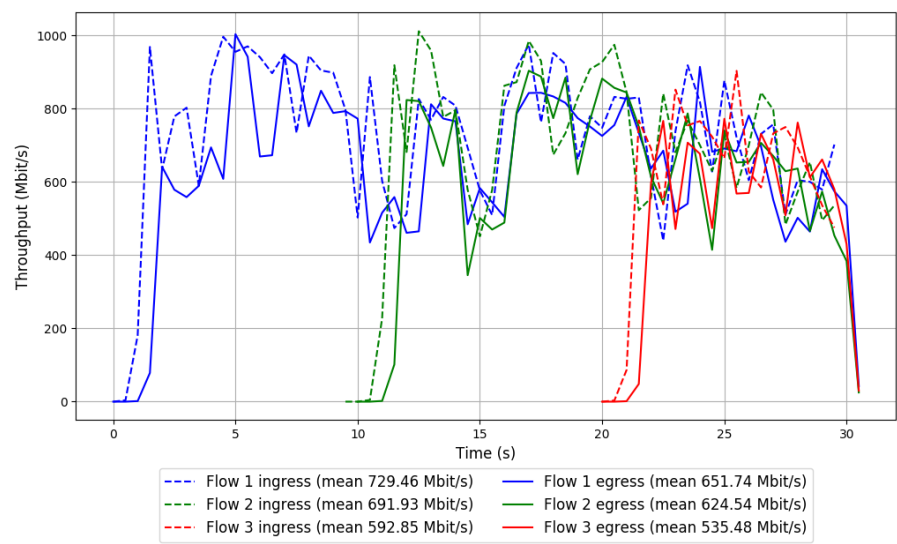


Run 3: Statistics of FillP

Start at: 2018-08-09 07:09:36
End at: 2018-08-09 07:10:06
Local clock offset: -1.365 ms
Remote clock offset: -0.396 ms

Below is generated by plot.py at 2018-08-09 11:33:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 1245.52 Mbit/s
95th percentile per-packet one-way delay: 222.329 ms
Loss rate: 10.21%
-- Flow 1:
Average throughput: 651.74 Mbit/s
95th percentile per-packet one-way delay: 219.456 ms
Loss rate: 10.66%
-- Flow 2:
Average throughput: 624.54 Mbit/s
95th percentile per-packet one-way delay: 233.981 ms
Loss rate: 9.74%
-- Flow 3:
Average throughput: 535.48 Mbit/s
95th percentile per-packet one-way delay: 223.977 ms
Loss rate: 9.66%

Run 3: Report of FillP — Data Link

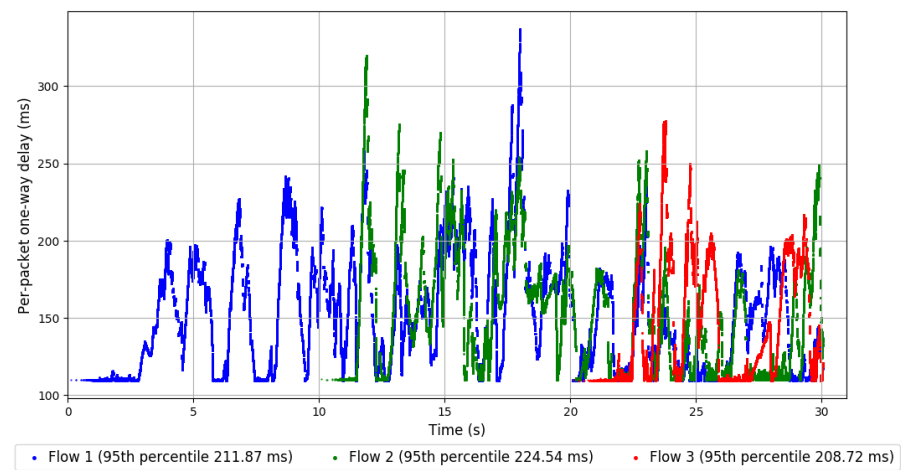
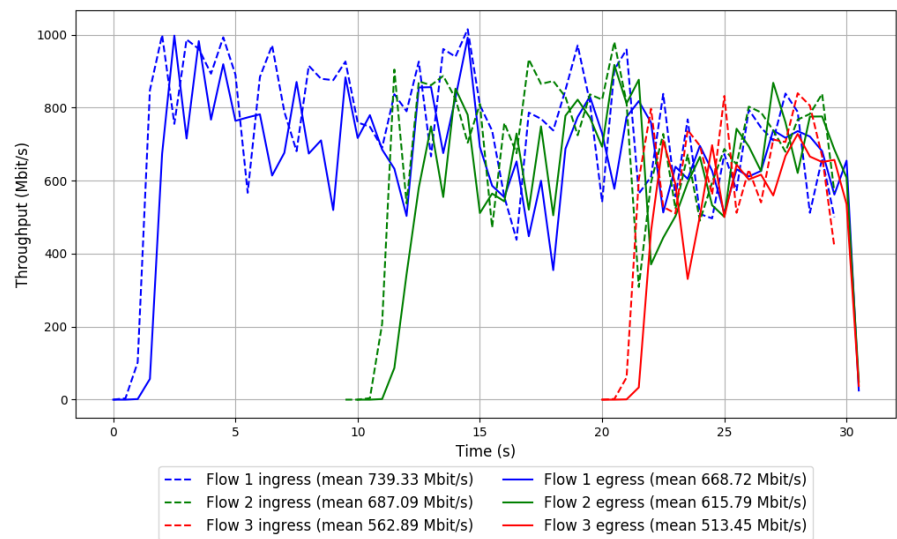


Run 4: Statistics of FillP

Start at: 2018-08-09 07:36:27
End at: 2018-08-09 07:36:57
Local clock offset: 1.448 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-08-09 11:33:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1249.12 Mbit/s
95th percentile per-packet one-way delay: 215.975 ms
Loss rate: 9.70%
-- Flow 1:
Average throughput: 668.72 Mbit/s
95th percentile per-packet one-way delay: 211.874 ms
Loss rate: 9.54%
-- Flow 2:
Average throughput: 615.79 Mbit/s
95th percentile per-packet one-way delay: 224.539 ms
Loss rate: 10.37%
-- Flow 3:
Average throughput: 513.45 Mbit/s
95th percentile per-packet one-way delay: 208.720 ms
Loss rate: 8.68%

Run 4: Report of FillP — Data Link

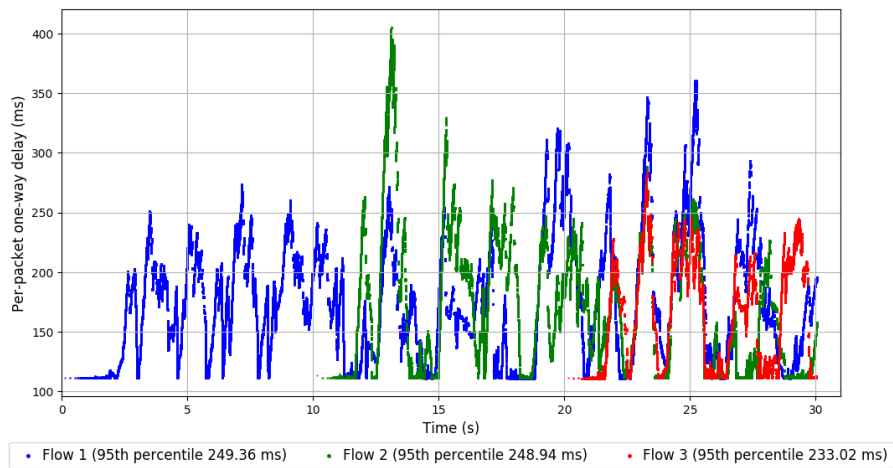
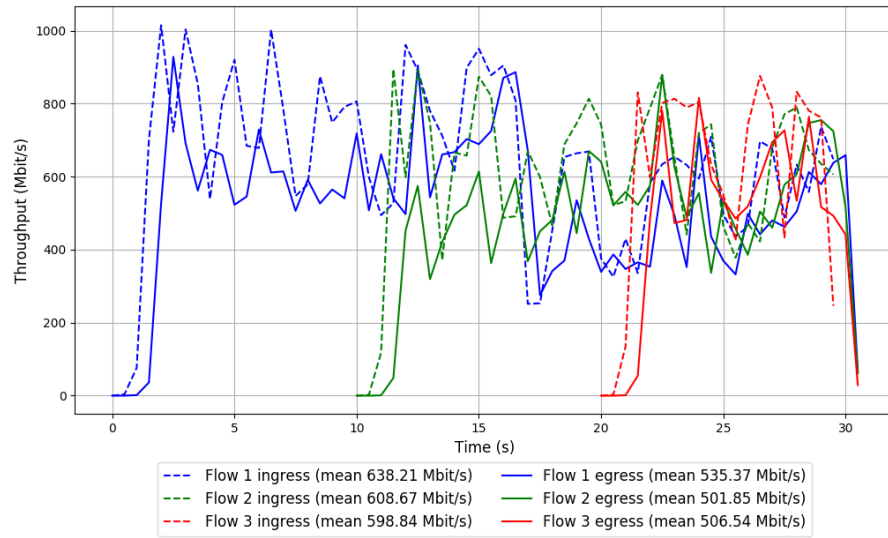


Run 5: Statistics of FillP

Start at: 2018-08-09 08:03:23
End at: 2018-08-09 08:03:53
Local clock offset: -0.108 ms
Remote clock offset: -0.531 ms

Below is generated by plot.py at 2018-08-09 11:33:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1036.24 Mbit/s
95th percentile per-packet one-way delay: 246.102 ms
Loss rate: 16.47%
-- Flow 1:
Average throughput: 535.37 Mbit/s
95th percentile per-packet one-way delay: 249.364 ms
Loss rate: 16.11%
-- Flow 2:
Average throughput: 501.85 Mbit/s
95th percentile per-packet one-way delay: 248.942 ms
Loss rate: 17.55%
-- Flow 3:
Average throughput: 506.54 Mbit/s
95th percentile per-packet one-way delay: 233.018 ms
Loss rate: 15.41%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-08-09 08:29:56

End at: 2018-08-09 08:30:26

Local clock offset: -0.116 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-08-09 11:33:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1069.03 Mbit/s

95th percentile per-packet one-way delay: 252.025 ms

Loss rate: 13.94%

-- Flow 1:

Average throughput: 571.03 Mbit/s

95th percentile per-packet one-way delay: 248.988 ms

Loss rate: 12.82%

-- Flow 2:

Average throughput: 483.37 Mbit/s

95th percentile per-packet one-way delay: 256.556 ms

Loss rate: 16.32%

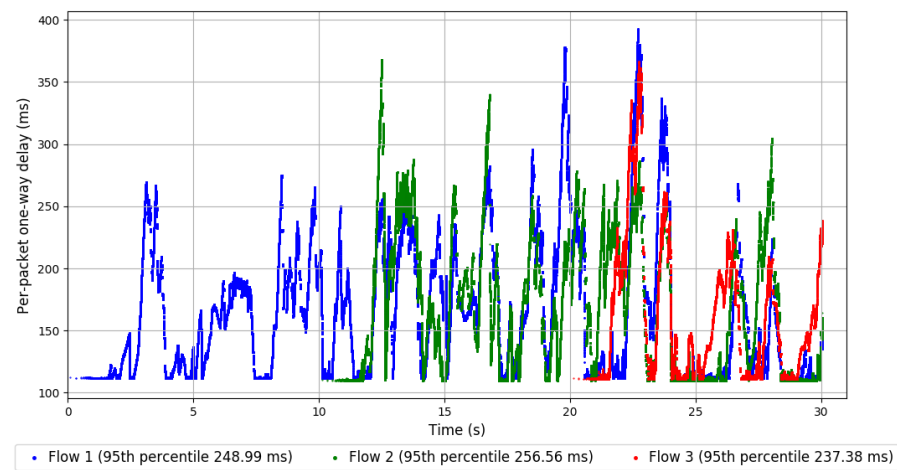
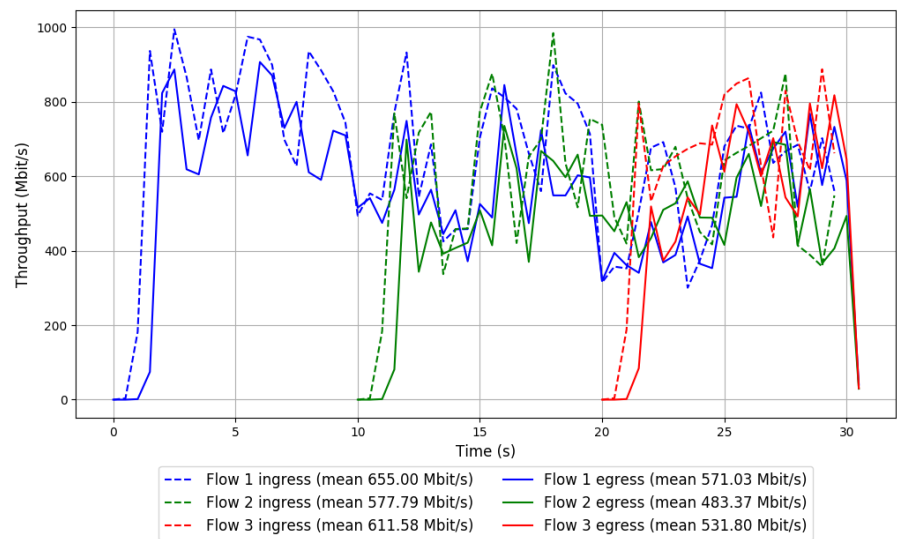
-- Flow 3:

Average throughput: 531.80 Mbit/s

95th percentile per-packet one-way delay: 237.376 ms

Loss rate: 13.01%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-08-09 08:56:16

End at: 2018-08-09 08:56:46

Local clock offset: 1.096 ms

Remote clock offset: 0.22 ms

Below is generated by plot.py at 2018-08-09 11:37:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1352.90 Mbit/s

95th percentile per-packet one-way delay: 198.595 ms

Loss rate: 6.29%

-- Flow 1:

Average throughput: 711.41 Mbit/s

95th percentile per-packet one-way delay: 197.831 ms

Loss rate: 7.37%

-- Flow 2:

Average throughput: 681.71 Mbit/s

95th percentile per-packet one-way delay: 194.657 ms

Loss rate: 4.78%

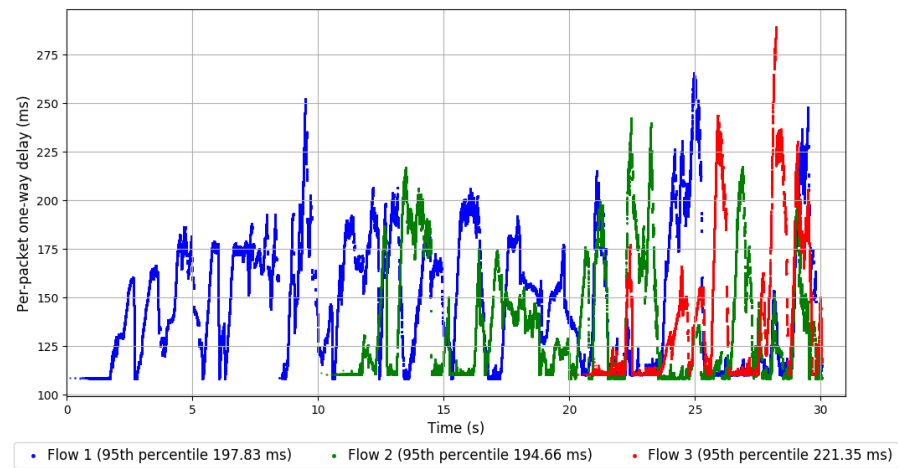
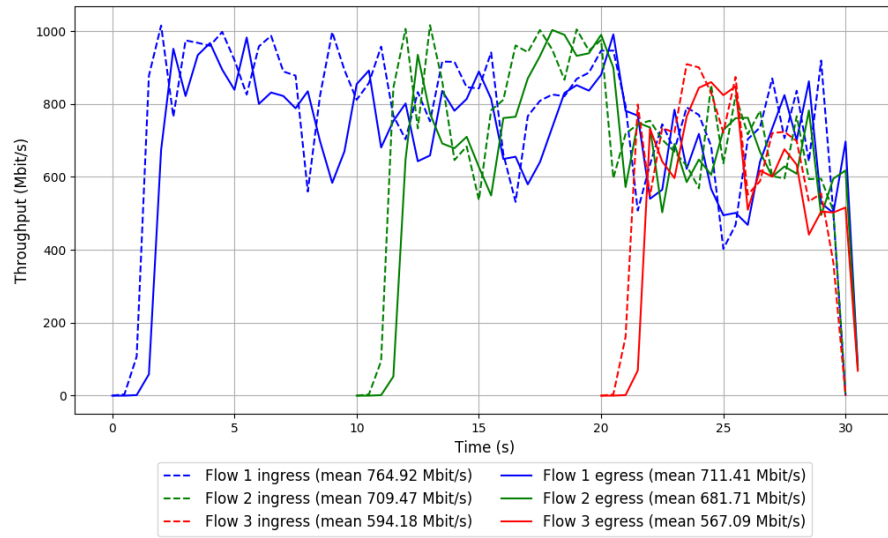
-- Flow 3:

Average throughput: 567.09 Mbit/s

95th percentile per-packet one-way delay: 221.353 ms

Loss rate: 5.72%

Run 7: Report of FillP — Data Link

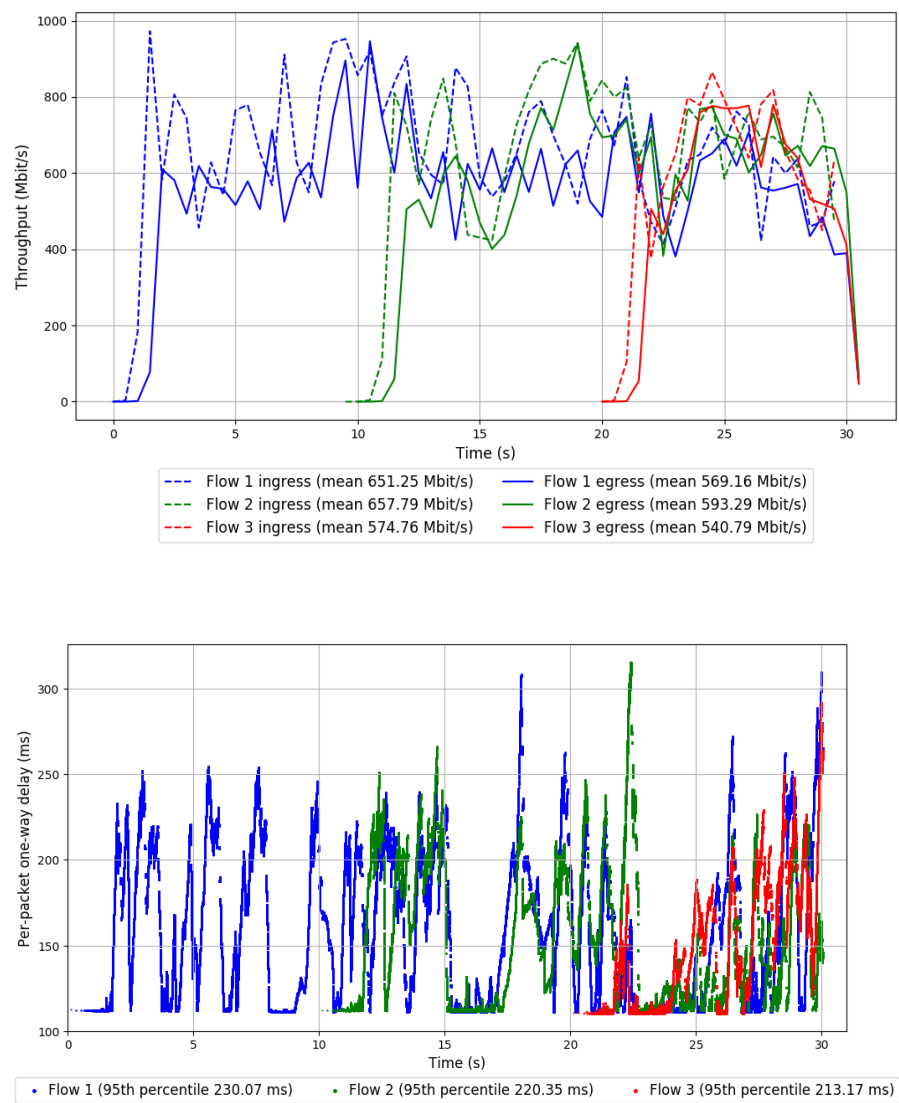


Run 8: Statistics of FillP

Start at: 2018-08-09 09:22:45
End at: 2018-08-09 09:23:15
Local clock offset: -1.416 ms
Remote clock offset: -0.558 ms

Below is generated by plot.py at 2018-08-09 11:37:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1143.79 Mbit/s
95th percentile per-packet one-way delay: 224.363 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 569.16 Mbit/s
95th percentile per-packet one-way delay: 230.072 ms
Loss rate: 12.60%
-- Flow 2:
Average throughput: 593.29 Mbit/s
95th percentile per-packet one-way delay: 220.352 ms
Loss rate: 9.80%
-- Flow 3:
Average throughput: 540.79 Mbit/s
95th percentile per-packet one-way delay: 213.168 ms
Loss rate: 5.88%

Run 8: Report of FillP — Data Link

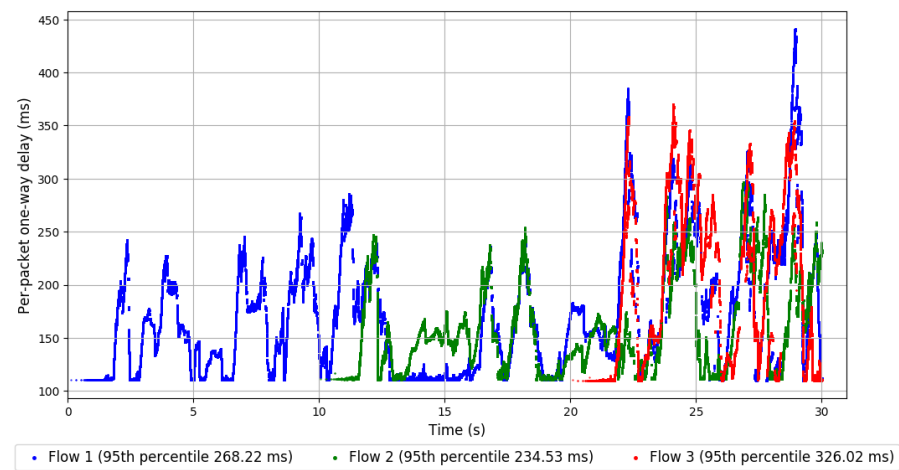
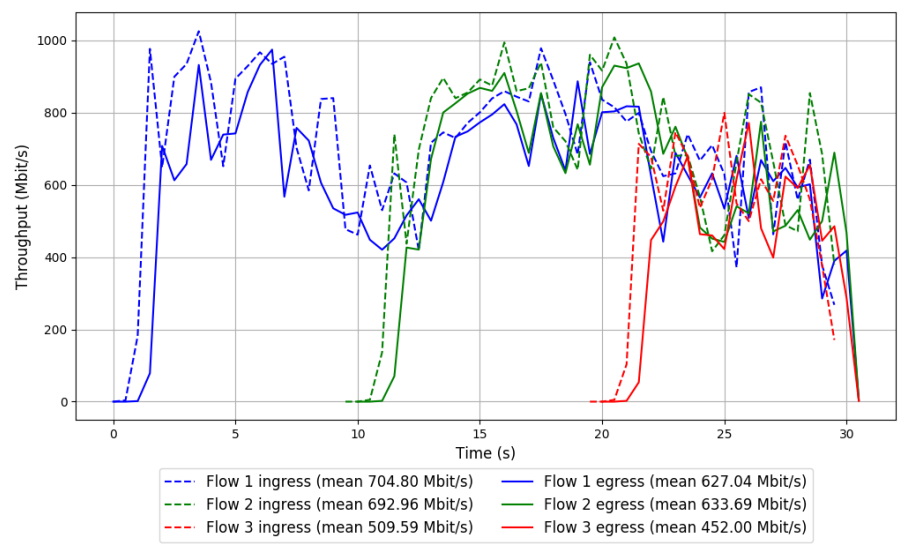


Run 9: Statistics of FillP

Start at: 2018-08-09 09:49:16
End at: 2018-08-09 09:49:46
Local clock offset: -0.046 ms
Remote clock offset: -0.576 ms

Below is generated by plot.py at 2018-08-09 11:52:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 1199.88 Mbit/s
95th percentile per-packet one-way delay: 277.345 ms
Loss rate: 10.33%
-- Flow 1:
Average throughput: 627.04 Mbit/s
95th percentile per-packet one-way delay: 268.222 ms
Loss rate: 11.03%
-- Flow 2:
Average throughput: 633.69 Mbit/s
95th percentile per-packet one-way delay: 234.532 ms
Loss rate: 8.90%
-- Flow 3:
Average throughput: 452.00 Mbit/s
95th percentile per-packet one-way delay: 326.016 ms
Loss rate: 11.30%

Run 9: Report of FillP — Data Link

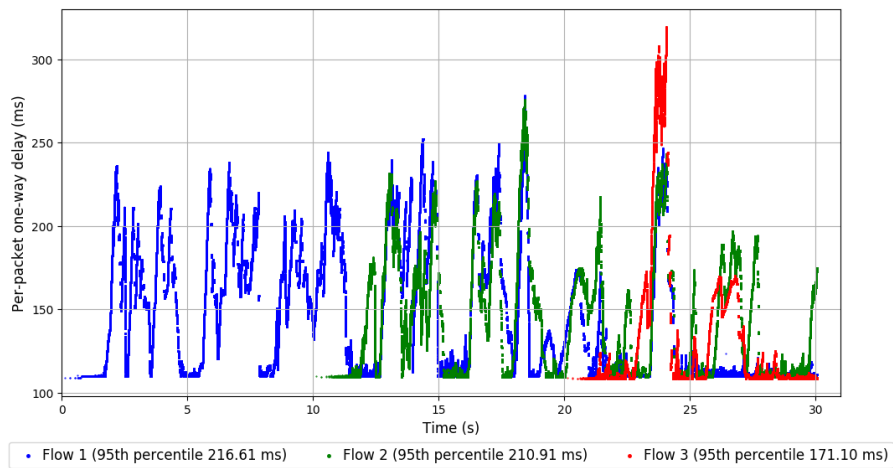
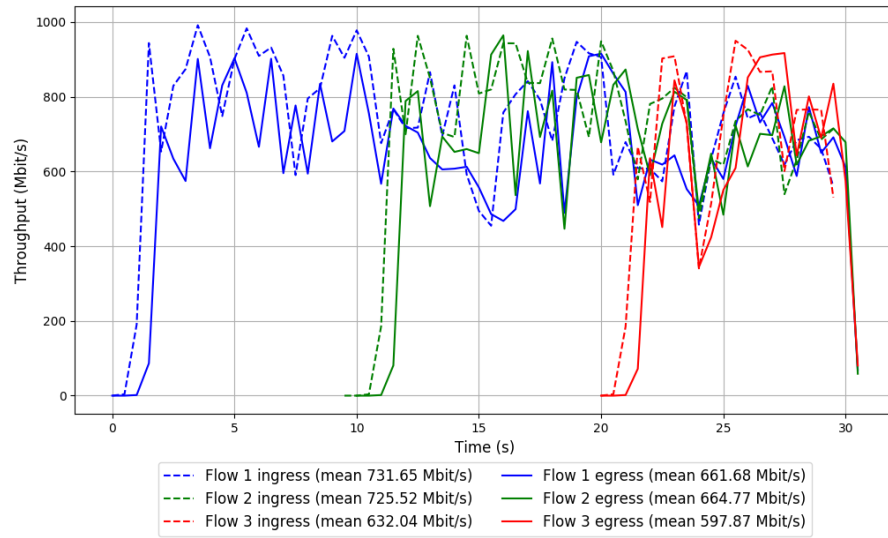


Run 10: Statistics of FillP

Start at: 2018-08-09 10:16:14
End at: 2018-08-09 10:16:44
Local clock offset: 1.378 ms
Remote clock offset: -0.746 ms

Below is generated by plot.py at 2018-08-09 11:54:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1302.77 Mbit/s
95th percentile per-packet one-way delay: 214.509 ms
Loss rate: 8.55%
-- Flow 1:
Average throughput: 661.68 Mbit/s
95th percentile per-packet one-way delay: 216.610 ms
Loss rate: 9.56%
-- Flow 2:
Average throughput: 664.77 Mbit/s
95th percentile per-packet one-way delay: 210.915 ms
Loss rate: 8.38%
-- Flow 3:
Average throughput: 597.87 Mbit/s
95th percentile per-packet one-way delay: 171.103 ms
Loss rate: 5.41%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-08-09 06:06:38

End at: 2018-08-09 06:07:08

Local clock offset: 1.097 ms

Remote clock offset: 0.214 ms

Below is generated by plot.py at 2018-08-09 11:54:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 1137.60 Mbit/s

95th percentile per-packet one-way delay: 215.230 ms

Loss rate: 8.10%

-- Flow 1:

Average throughput: 604.64 Mbit/s

95th percentile per-packet one-way delay: 217.959 ms

Loss rate: 8.37%

-- Flow 2:

Average throughput: 560.93 Mbit/s

95th percentile per-packet one-way delay: 210.973 ms

Loss rate: 8.12%

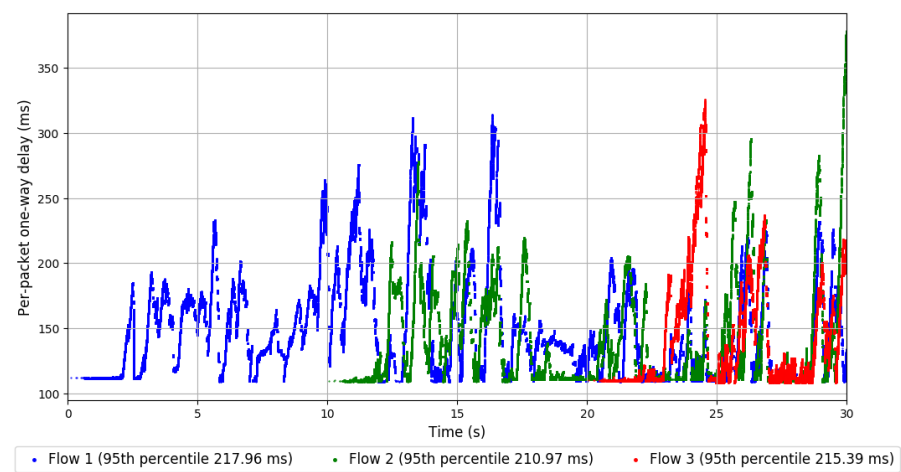
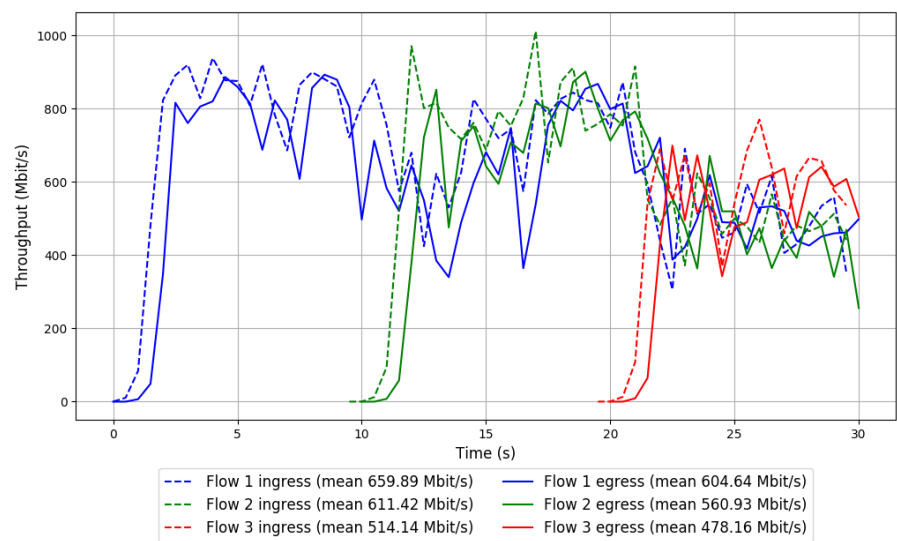
-- Flow 3:

Average throughput: 478.16 Mbit/s

95th percentile per-packet one-way delay: 215.393 ms

Loss rate: 6.97%

Run 1: Report of FillP-Sheep — Data Link

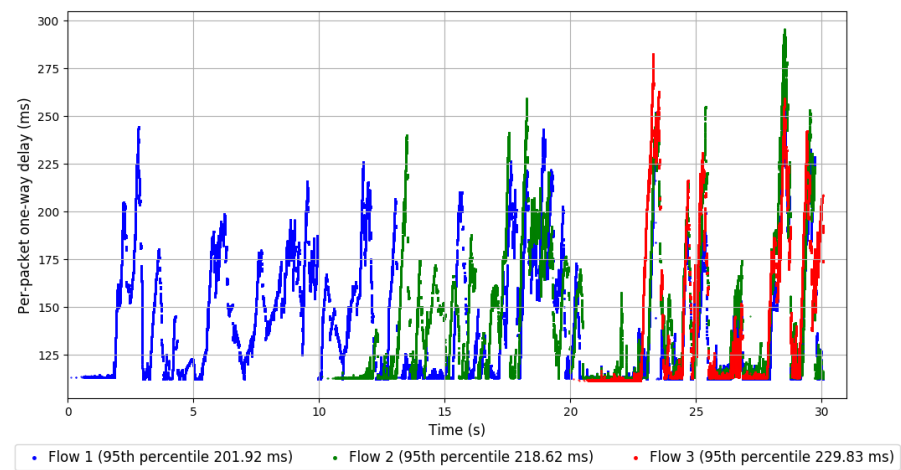
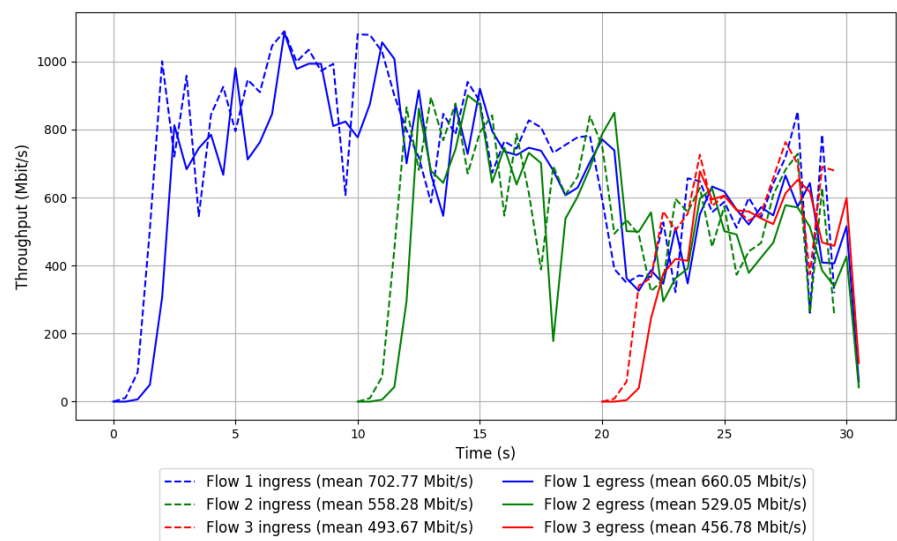


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-09 06:33:20
End at: 2018-08-09 06:33:50
Local clock offset: -1.419 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-08-09 11:54:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1163.70 Mbit/s
95th percentile per-packet one-way delay: 211.268 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 660.05 Mbit/s
95th percentile per-packet one-way delay: 201.916 ms
Loss rate: 6.08%
-- Flow 2:
Average throughput: 529.05 Mbit/s
95th percentile per-packet one-way delay: 218.623 ms
Loss rate: 5.27%
-- Flow 3:
Average throughput: 456.78 Mbit/s
95th percentile per-packet one-way delay: 229.828 ms
Loss rate: 7.46%

Run 2: Report of FillP-Sheep — Data Link

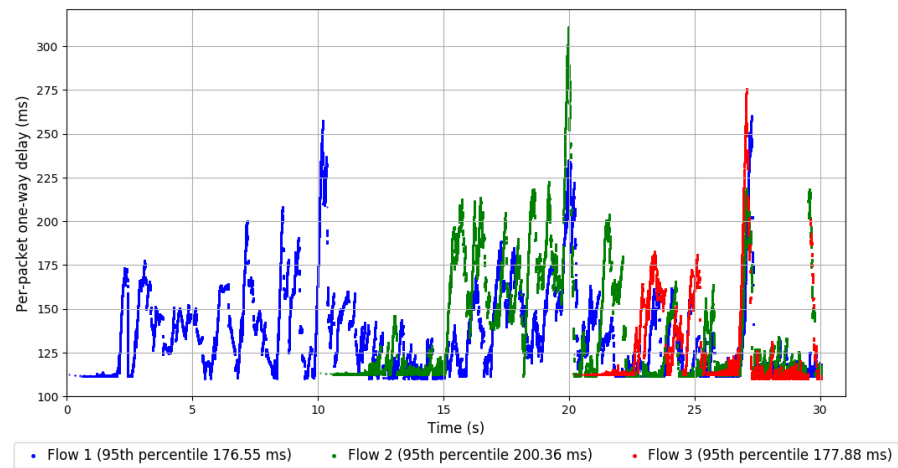
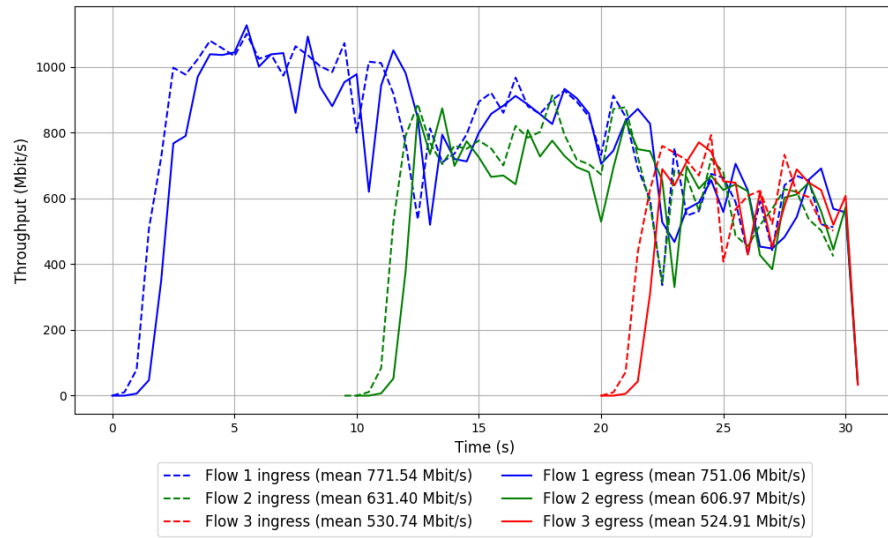


Run 3: Statistics of FillP-Sheep

Start at: 2018-08-09 06:59:48
End at: 2018-08-09 07:00:18
Local clock offset: -1.246 ms
Remote clock offset: -0.117 ms

Below is generated by plot.py at 2018-08-09 11:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1329.05 Mbit/s
95th percentile per-packet one-way delay: 188.054 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 751.06 Mbit/s
95th percentile per-packet one-way delay: 176.554 ms
Loss rate: 2.65%
-- Flow 2:
Average throughput: 606.97 Mbit/s
95th percentile per-packet one-way delay: 200.363 ms
Loss rate: 3.85%
-- Flow 3:
Average throughput: 524.91 Mbit/s
95th percentile per-packet one-way delay: 177.881 ms
Loss rate: 1.12%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-09 07:26:32

End at: 2018-08-09 07:27:02

Local clock offset: -0.02 ms

Remote clock offset: -0.15 ms

Below is generated by plot.py at 2018-08-09 11:59:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1212.61 Mbit/s

95th percentile per-packet one-way delay: 220.652 ms

Loss rate: 7.89%

-- Flow 1:

Average throughput: 615.60 Mbit/s

95th percentile per-packet one-way delay: 228.999 ms

Loss rate: 9.83%

-- Flow 2:

Average throughput: 631.78 Mbit/s

95th percentile per-packet one-way delay: 203.878 ms

Loss rate: 5.92%

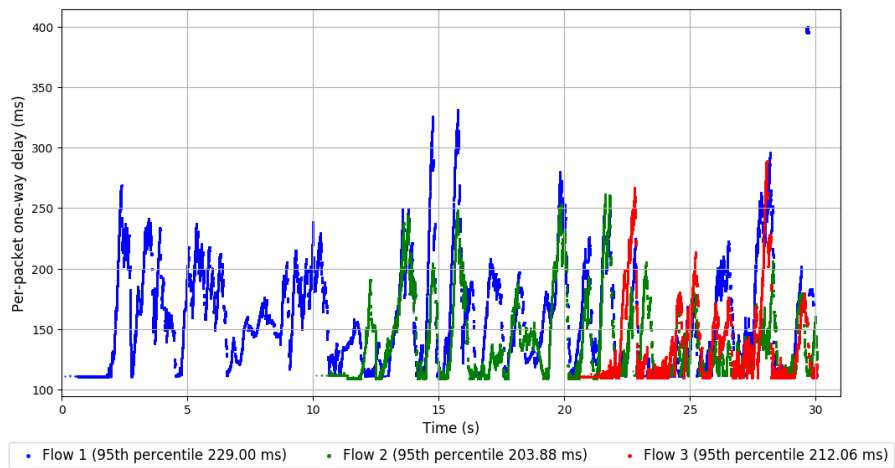
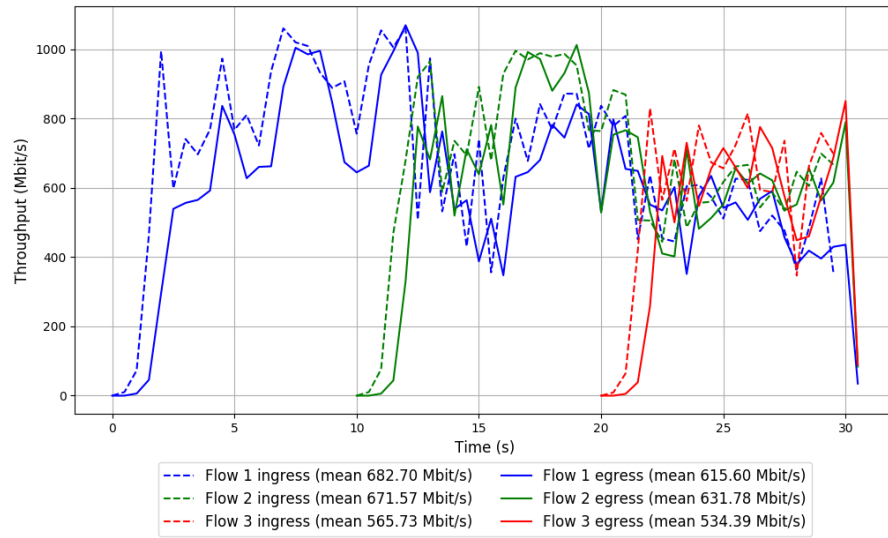
-- Flow 3:

Average throughput: 534.39 Mbit/s

95th percentile per-packet one-way delay: 212.063 ms

Loss rate: 5.52%

Run 4: Report of FillP-Sheep — Data Link

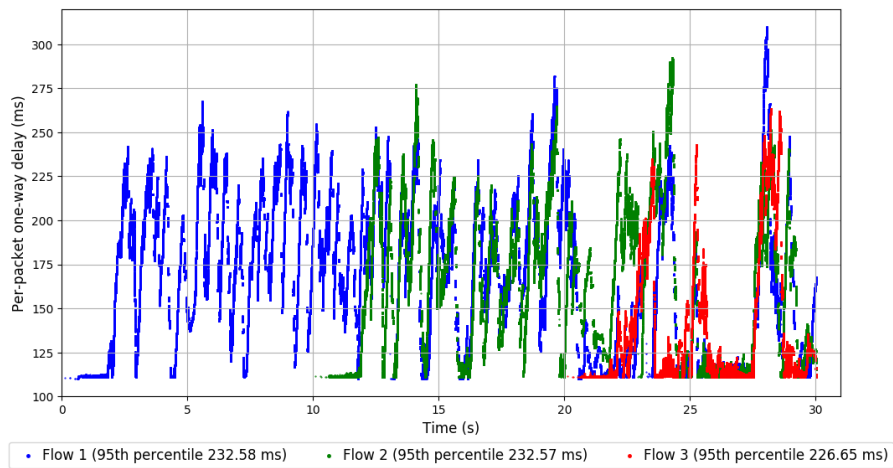
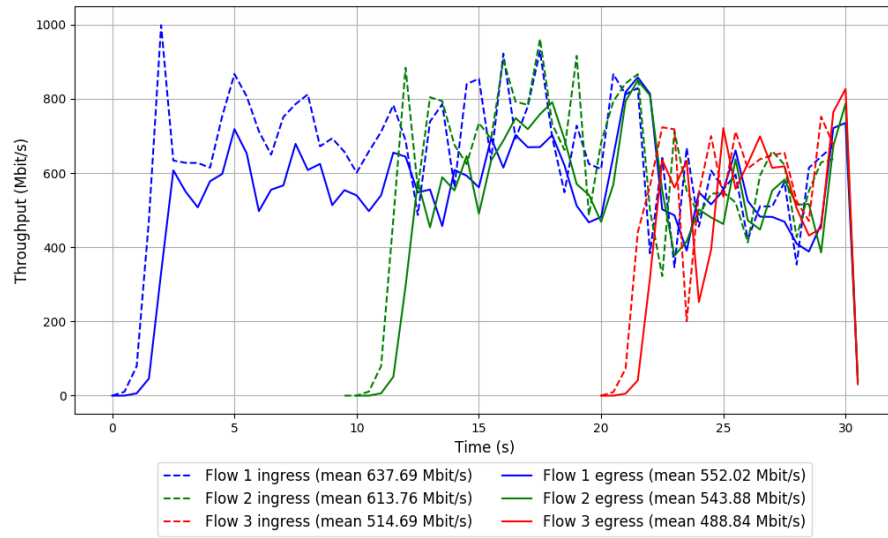


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-09 07:53:22
End at: 2018-08-09 07:53:52
Local clock offset: -0.031 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-08-09 11:59:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1076.27 Mbit/s
95th percentile per-packet one-way delay: 232.122 ms
Loss rate: 11.57%
-- Flow 1:
Average throughput: 552.02 Mbit/s
95th percentile per-packet one-way delay: 232.581 ms
Loss rate: 13.43%
-- Flow 2:
Average throughput: 543.88 Mbit/s
95th percentile per-packet one-way delay: 232.573 ms
Loss rate: 11.39%
-- Flow 3:
Average throughput: 488.84 Mbit/s
95th percentile per-packet one-way delay: 226.649 ms
Loss rate: 5.02%

Run 5: Report of FillP-Sheep — Data Link

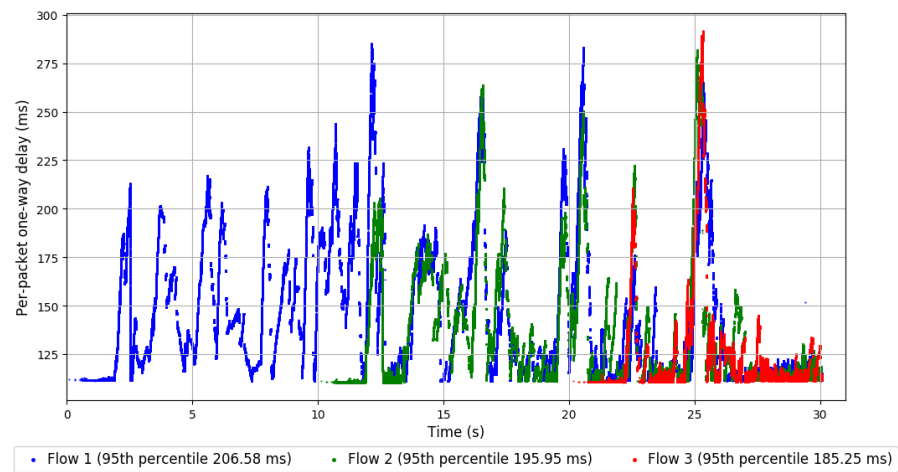
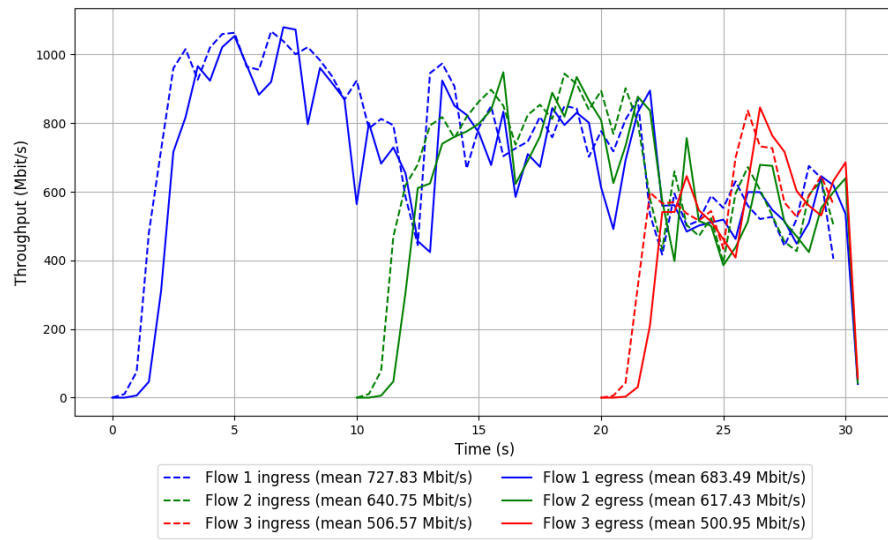


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-09 08:20:08
End at: 2018-08-09 08:20:38
Local clock offset: -0.138 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-09 12:02:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1259.70 Mbit/s
95th percentile per-packet one-way delay: 201.388 ms
Loss rate: 4.66%
-- Flow 1:
Average throughput: 683.49 Mbit/s
95th percentile per-packet one-way delay: 206.583 ms
Loss rate: 6.09%
-- Flow 2:
Average throughput: 617.43 Mbit/s
95th percentile per-packet one-way delay: 195.947 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 500.95 Mbit/s
95th percentile per-packet one-way delay: 185.247 ms
Loss rate: 1.08%

Run 6: Report of FillP-Sheep — Data Link

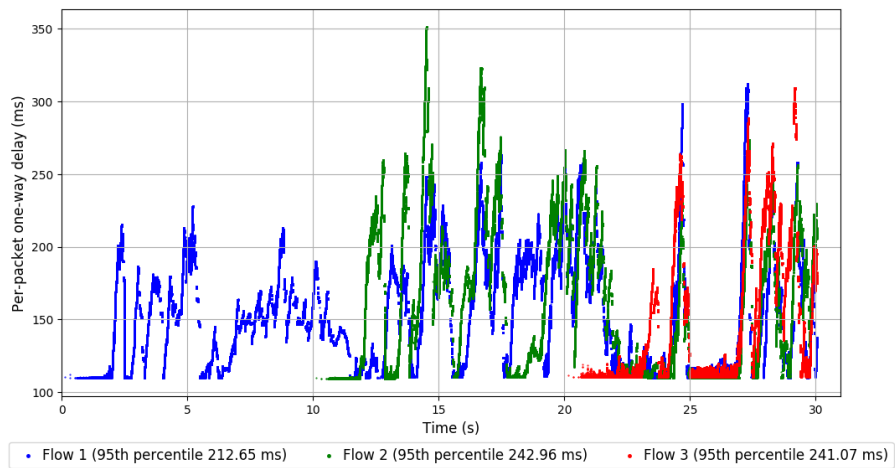
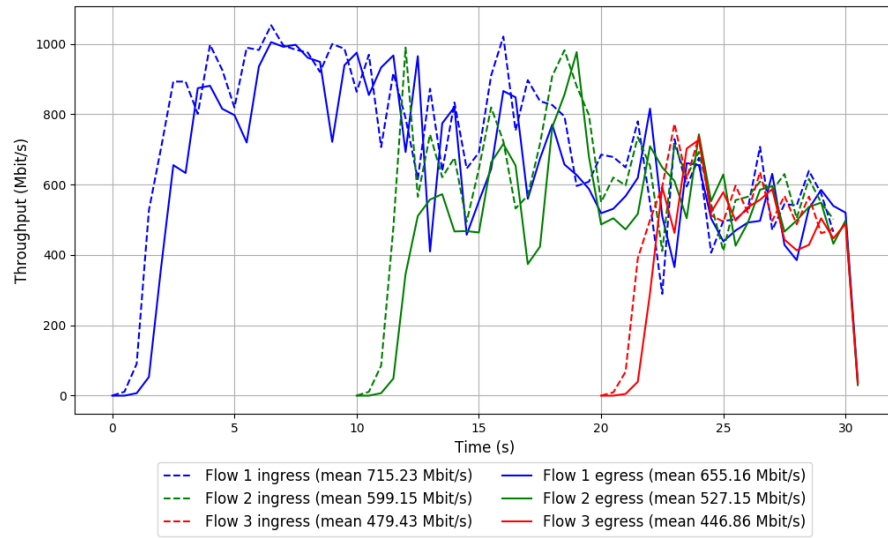


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-09 08:46:30
End at: 2018-08-09 08:47:00
Local clock offset: 1.325 ms
Remote clock offset: 0.24 ms

Below is generated by plot.py at 2018-08-09 12:16:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1154.13 Mbit/s
95th percentile per-packet one-way delay: 229.513 ms
Loss rate: 9.33%
-- Flow 1:
Average throughput: 655.16 Mbit/s
95th percentile per-packet one-way delay: 212.649 ms
Loss rate: 8.40%
-- Flow 2:
Average throughput: 527.15 Mbit/s
95th percentile per-packet one-way delay: 242.957 ms
Loss rate: 12.02%
-- Flow 3:
Average throughput: 446.86 Mbit/s
95th percentile per-packet one-way delay: 241.066 ms
Loss rate: 6.75%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-09 09:13:10

End at: 2018-08-09 09:13:40

Local clock offset: -0.104 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-09 12:16:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1066.24 Mbit/s

95th percentile per-packet one-way delay: 230.016 ms

Loss rate: 11.79%

-- Flow 1:

Average throughput: 582.97 Mbit/s

95th percentile per-packet one-way delay: 227.161 ms

Loss rate: 13.36%

-- Flow 2:

Average throughput: 499.58 Mbit/s

95th percentile per-packet one-way delay: 231.963 ms

Loss rate: 10.15%

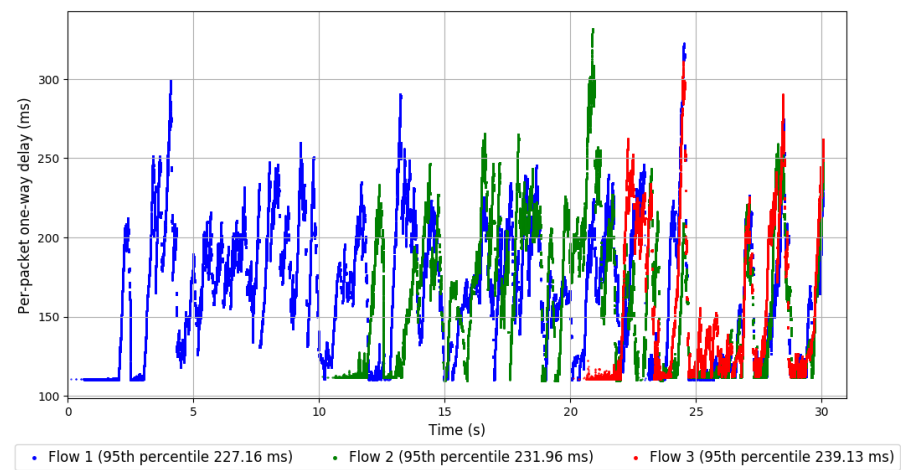
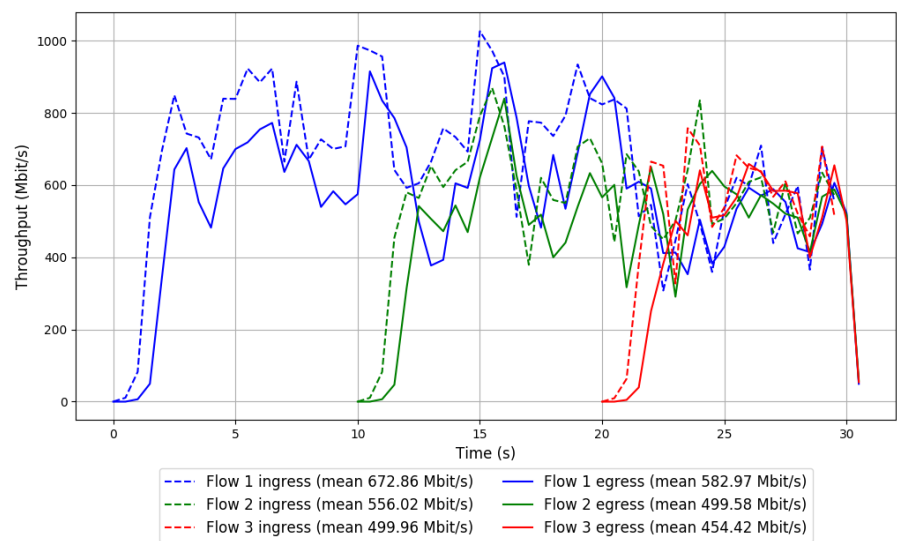
-- Flow 3:

Average throughput: 454.42 Mbit/s

95th percentile per-packet one-way delay: 239.132 ms

Loss rate: 9.10%

Run 8: Report of FillP-Sheep — Data Link

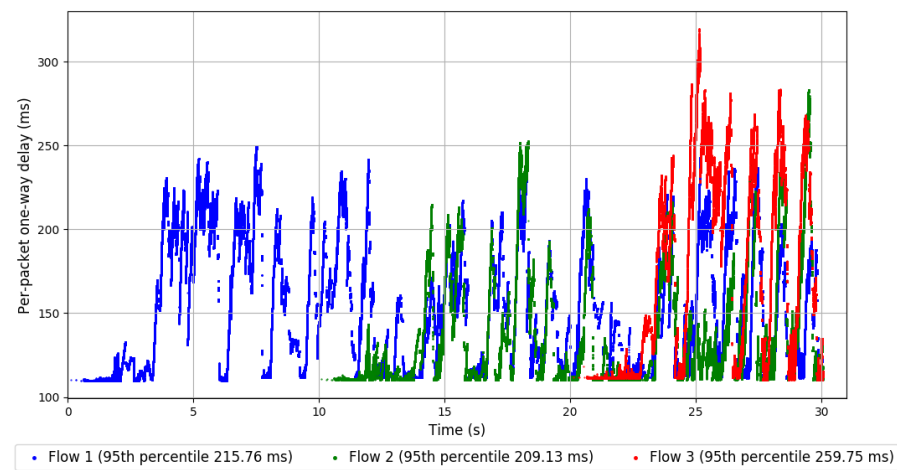
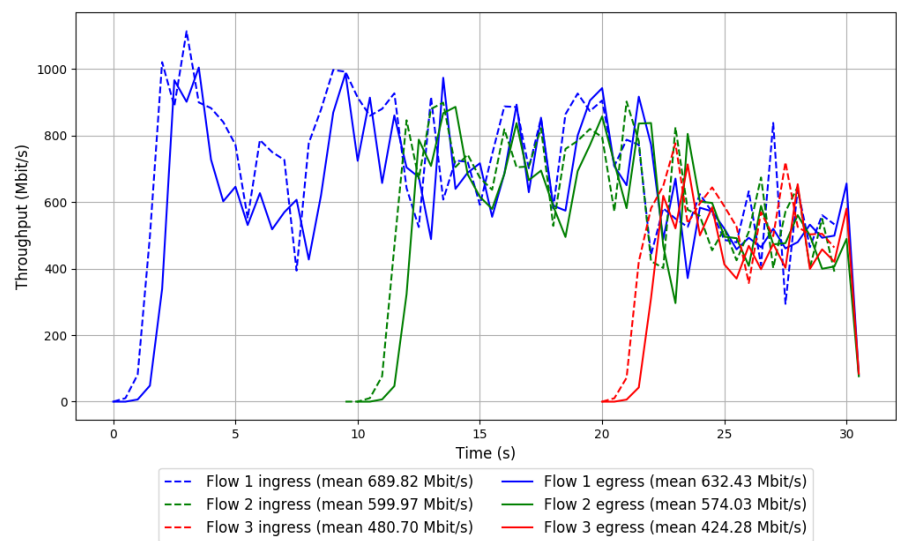


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-09 09:39:26
End at: 2018-08-09 09:39:56
Local clock offset: -0.384 ms
Remote clock offset: -0.438 ms

Below is generated by plot.py at 2018-08-09 12:18:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1155.29 Mbit/s
95th percentile per-packet one-way delay: 225.303 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 632.43 Mbit/s
95th percentile per-packet one-way delay: 215.761 ms
Loss rate: 8.30%
-- Flow 2:
Average throughput: 574.03 Mbit/s
95th percentile per-packet one-way delay: 209.133 ms
Loss rate: 4.32%
-- Flow 3:
Average throughput: 424.28 Mbit/s
95th percentile per-packet one-way delay: 259.748 ms
Loss rate: 11.74%

Run 9: Report of FillP-Sheep — Data Link

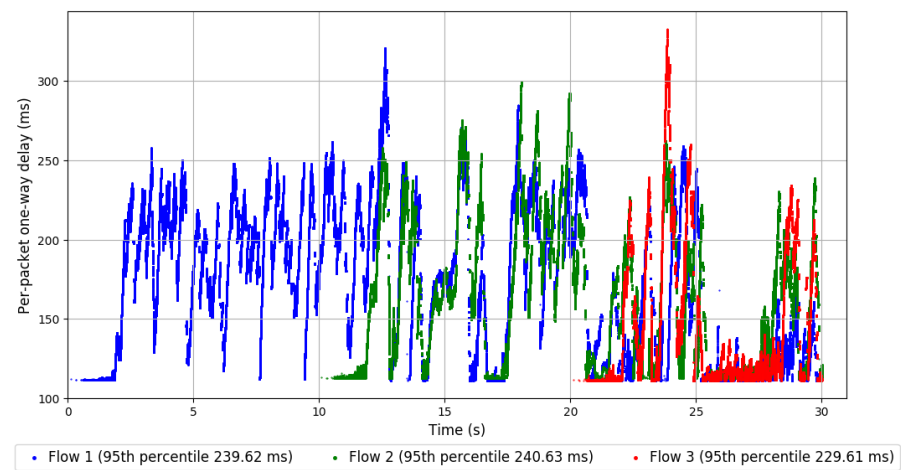
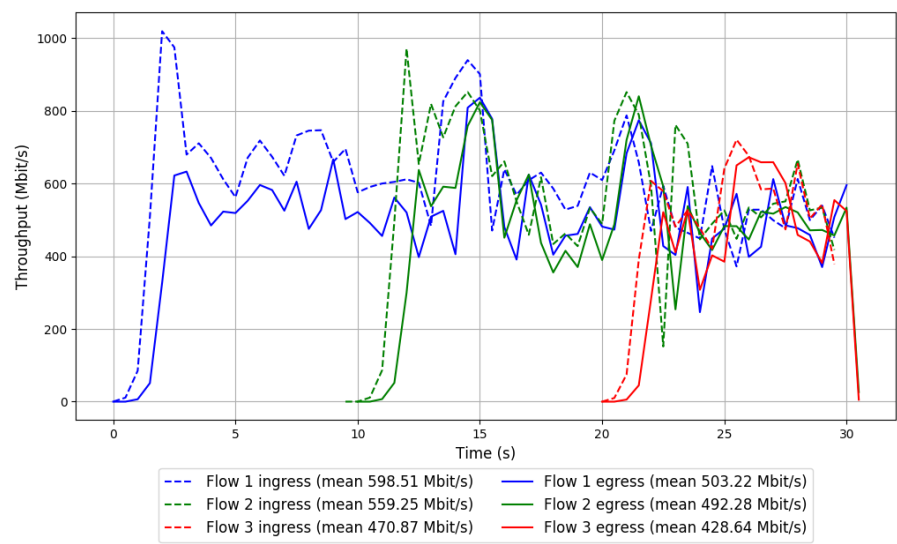


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-09 10:06:05
End at: 2018-08-09 10:06:35
Local clock offset: -0.919 ms
Remote clock offset: -0.342 ms

Below is generated by plot.py at 2018-08-09 12:18:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 972.44 Mbit/s
95th percentile per-packet one-way delay: 239.141 ms
Loss rate: 13.64%
-- Flow 1:
Average throughput: 503.22 Mbit/s
95th percentile per-packet one-way delay: 239.623 ms
Loss rate: 15.90%
-- Flow 2:
Average throughput: 492.28 Mbit/s
95th percentile per-packet one-way delay: 240.632 ms
Loss rate: 11.95%
-- Flow 3:
Average throughput: 428.64 Mbit/s
95th percentile per-packet one-way delay: 229.613 ms
Loss rate: 8.97%

Run 10: Report of FillP-Sheep — Data Link

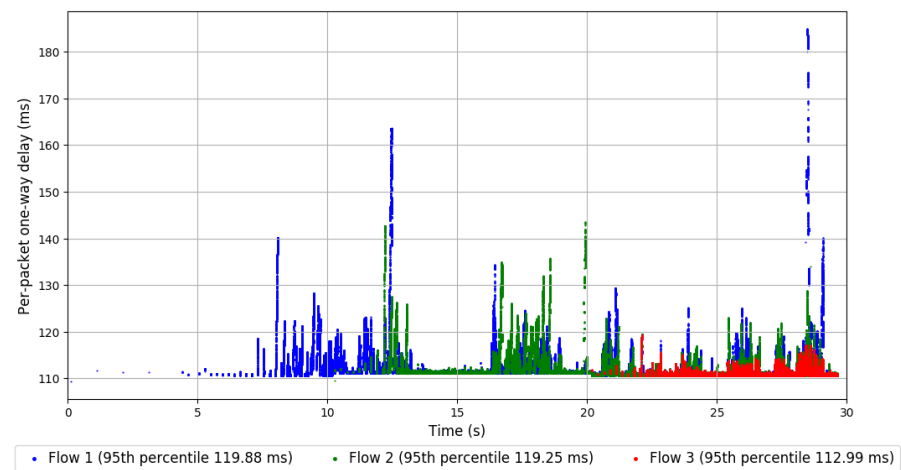
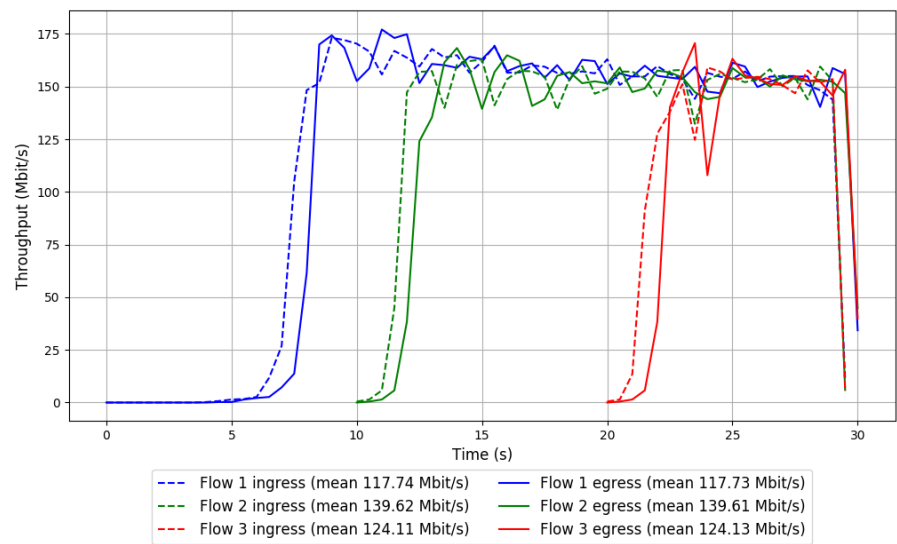


Run 1: Statistics of Indigo

Start at: 2018-08-09 06:01:12
End at: 2018-08-09 06:01:42
Local clock offset: 0.063 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-08-09 12:18:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.03 Mbit/s
95th percentile per-packet one-way delay: 118.652 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.73 Mbit/s
95th percentile per-packet one-way delay: 119.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.61 Mbit/s
95th percentile per-packet one-way delay: 119.247 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.13 Mbit/s
95th percentile per-packet one-way delay: 112.993 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

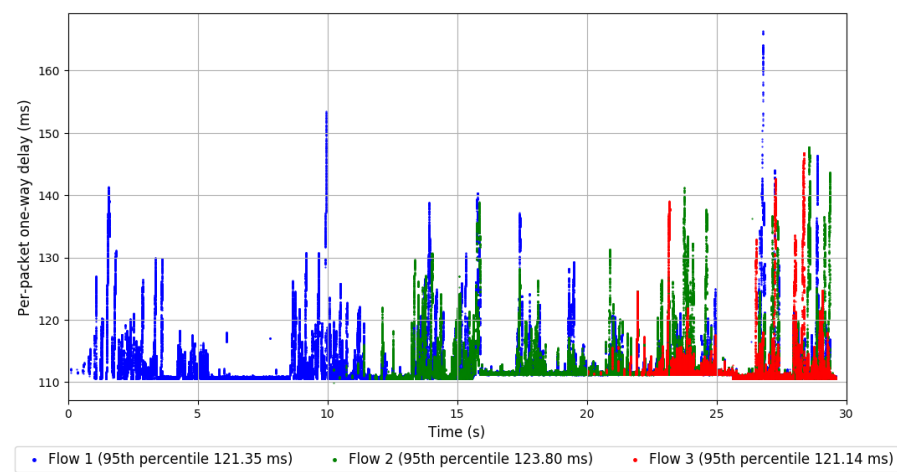
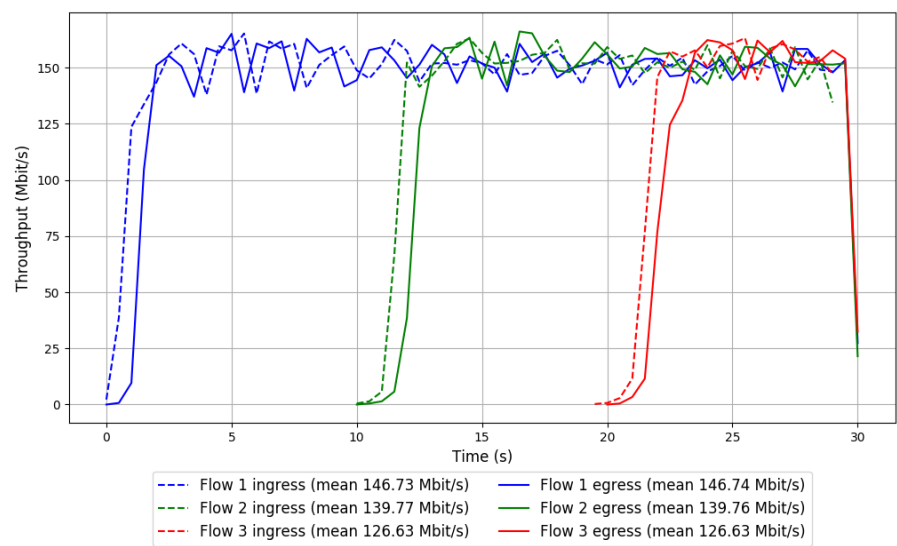


Run 2: Statistics of Indigo

Start at: 2018-08-09 06:27:47
End at: 2018-08-09 06:28:17
Local clock offset: -0.024 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.53 Mbit/s
95th percentile per-packet one-way delay: 122.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.74 Mbit/s
95th percentile per-packet one-way delay: 121.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.76 Mbit/s
95th percentile per-packet one-way delay: 123.795 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.63 Mbit/s
95th percentile per-packet one-way delay: 121.135 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

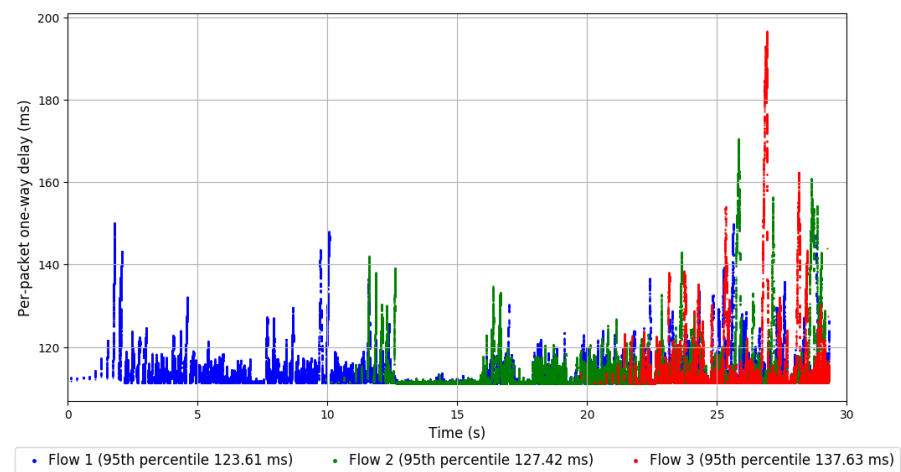
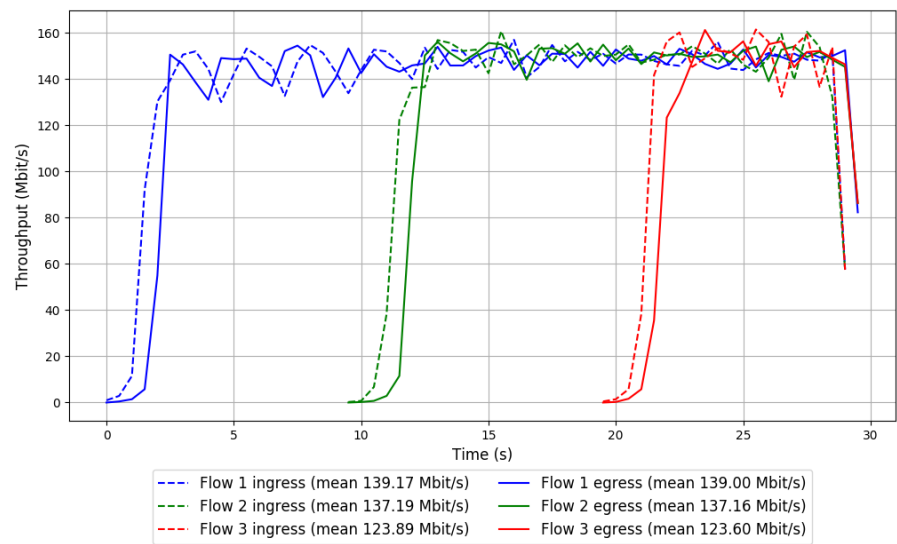


Run 3: Statistics of Indigo

Start at: 2018-08-09 06:54:30
End at: 2018-08-09 06:55:00
Local clock offset: -0.038 ms
Remote clock offset: -0.107 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.42 Mbit/s
95th percentile per-packet one-way delay: 127.316 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 139.00 Mbit/s
95th percentile per-packet one-way delay: 123.610 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 137.16 Mbit/s
95th percentile per-packet one-way delay: 127.424 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 123.60 Mbit/s
95th percentile per-packet one-way delay: 137.627 ms
Loss rate: 0.21%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-08-09 07:21:09

End at: 2018-08-09 07:21:39

Local clock offset: -1.293 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-09 12:18:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.02 Mbit/s

95th percentile per-packet one-way delay: 118.391 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 150.94 Mbit/s

95th percentile per-packet one-way delay: 118.343 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.11 Mbit/s

95th percentile per-packet one-way delay: 119.232 ms

Loss rate: 0.00%

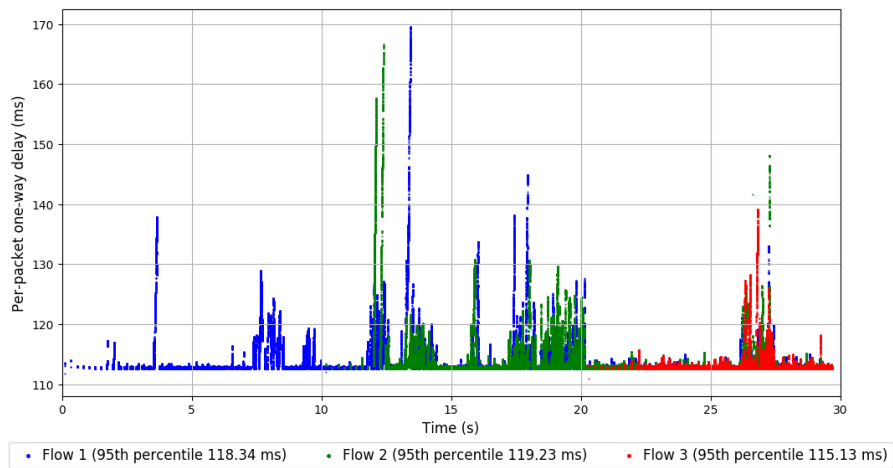
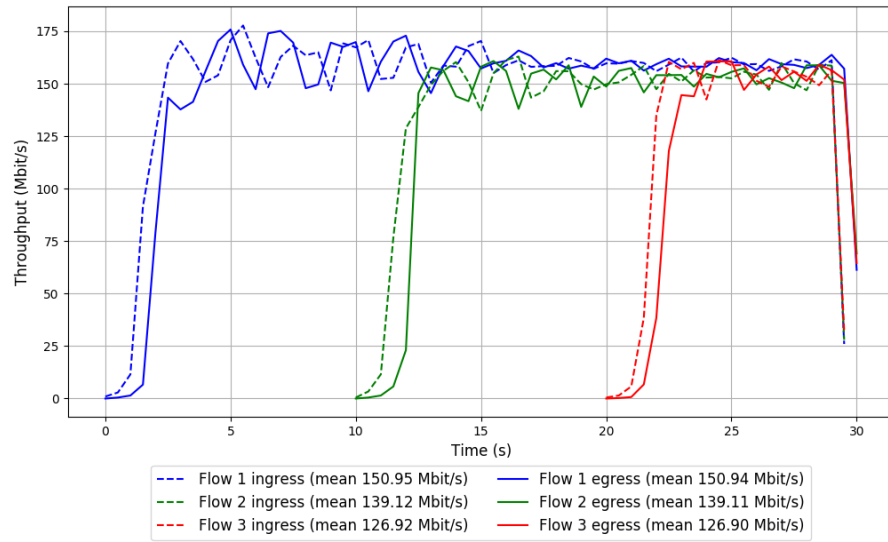
-- Flow 3:

Average throughput: 126.90 Mbit/s

95th percentile per-packet one-way delay: 115.128 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

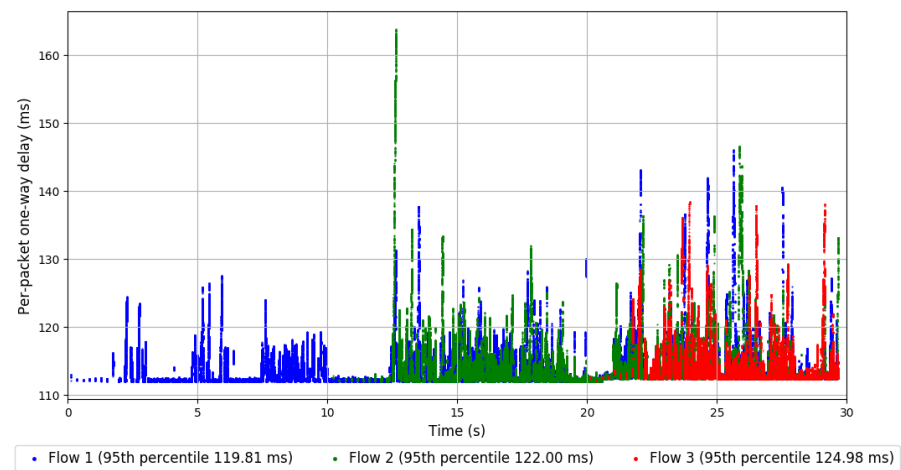
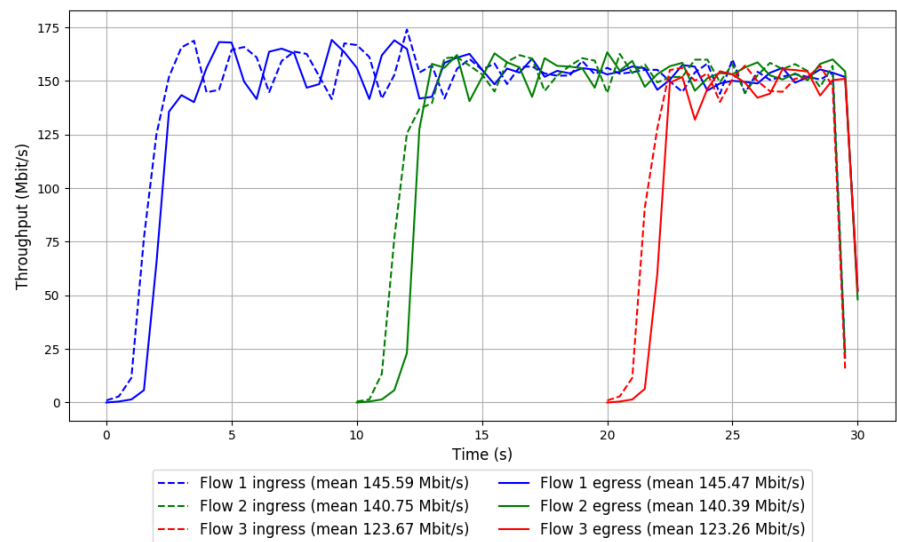


Run 5: Statistics of Indigo

Start at: 2018-08-09 07:48:02
End at: 2018-08-09 07:48:32
Local clock offset: -1.488 ms
Remote clock offset: -0.485 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.69 Mbit/s
95th percentile per-packet one-way delay: 121.519 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 145.47 Mbit/s
95th percentile per-packet one-way delay: 119.805 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 140.39 Mbit/s
95th percentile per-packet one-way delay: 121.998 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 123.26 Mbit/s
95th percentile per-packet one-way delay: 124.977 ms
Loss rate: 0.33%

Run 5: Report of Indigo — Data Link

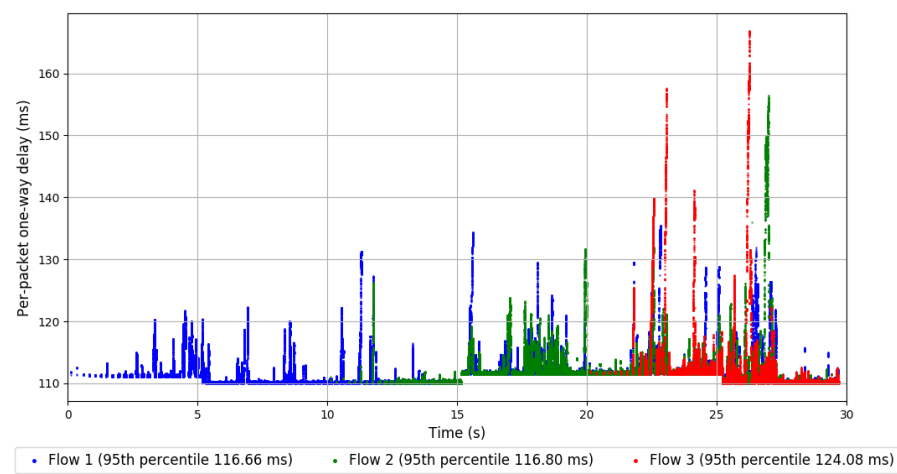
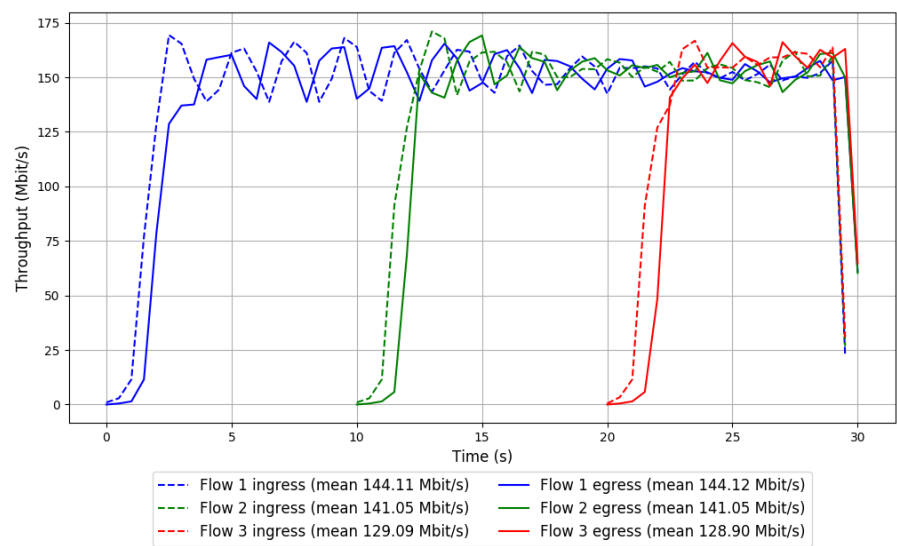


Run 6: Statistics of Indigo

Start at: 2018-08-09 08:14:48
End at: 2018-08-09 08:15:18
Local clock offset: -0.206 ms
Remote clock offset: -0.171 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.02 Mbit/s
95th percentile per-packet one-way delay: 117.231 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 116.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.05 Mbit/s
95th percentile per-packet one-way delay: 116.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 128.90 Mbit/s
95th percentile per-packet one-way delay: 124.083 ms
Loss rate: 0.16%

Run 6: Report of Indigo — Data Link

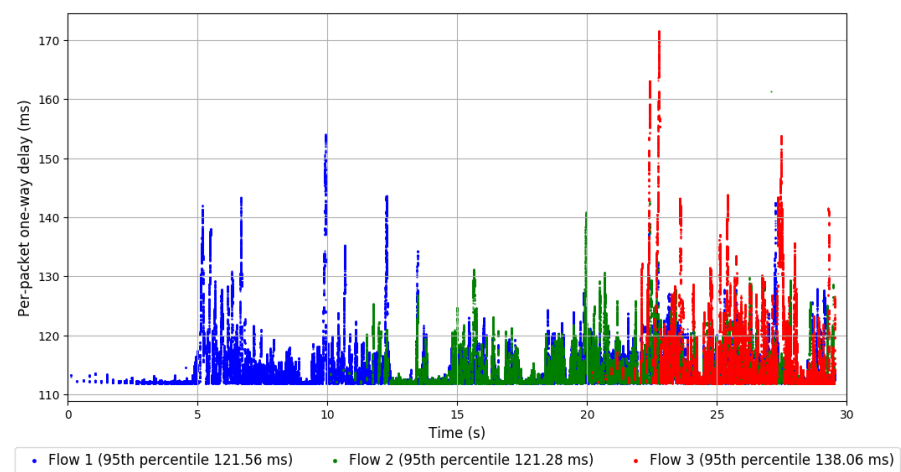
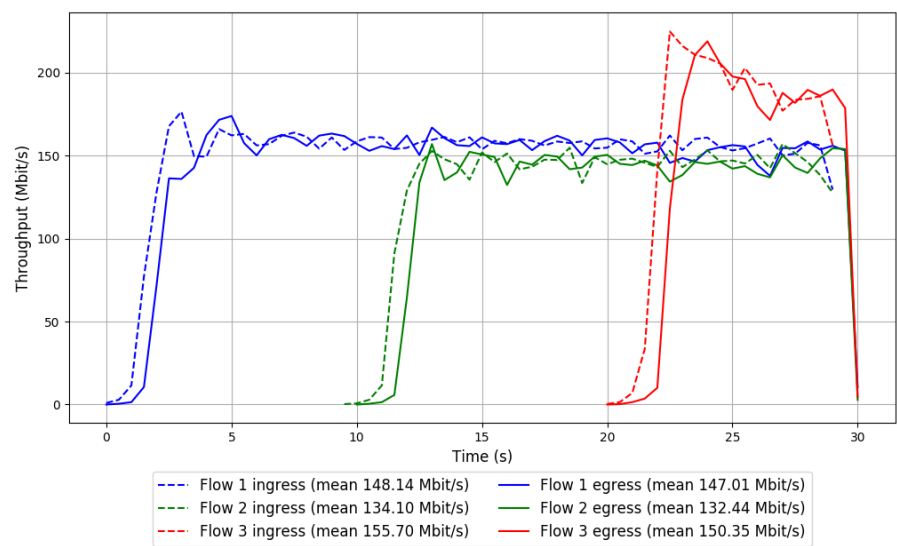


Run 7: Statistics of Indigo

Start at: 2018-08-09 08:41:10
End at: 2018-08-09 08:41:40
Local clock offset: -1.194 ms
Remote clock offset: -0.146 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.13 Mbit/s
95th percentile per-packet one-way delay: 124.350 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 147.01 Mbit/s
95th percentile per-packet one-way delay: 121.562 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 132.44 Mbit/s
95th percentile per-packet one-way delay: 121.282 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 150.35 Mbit/s
95th percentile per-packet one-way delay: 138.064 ms
Loss rate: 3.42%

Run 7: Report of Indigo — Data Link

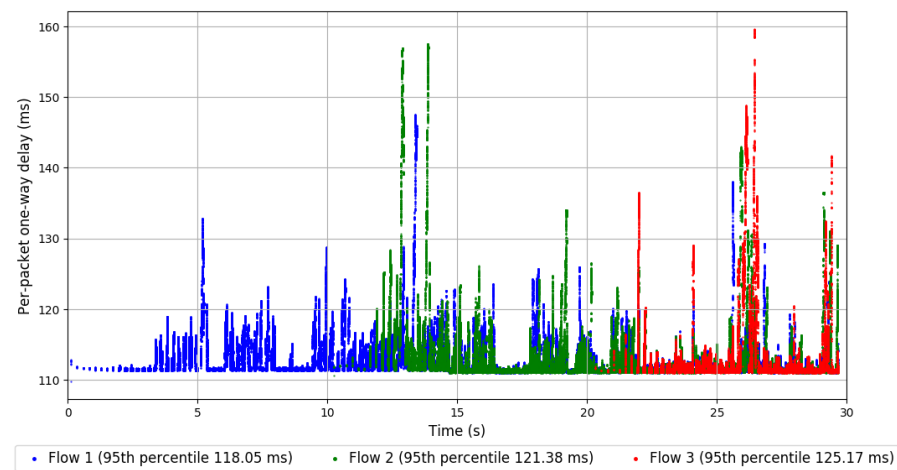
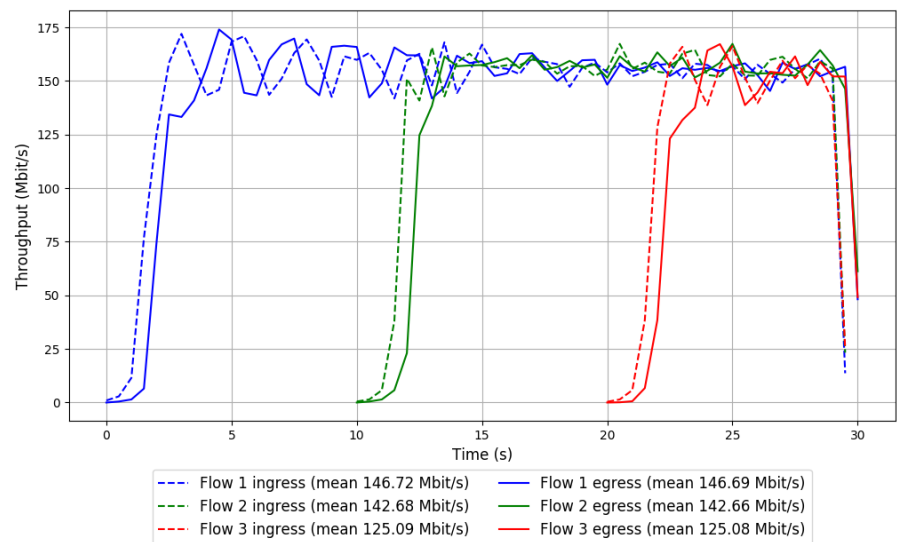


Run 8: Statistics of Indigo

Start at: 2018-08-09 09:07:48
End at: 2018-08-09 09:08:18
Local clock offset: -0.189 ms
Remote clock offset: -0.213 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.97 Mbit/s
95th percentile per-packet one-way delay: 119.528 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 146.69 Mbit/s
95th percentile per-packet one-way delay: 118.045 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 142.66 Mbit/s
95th percentile per-packet one-way delay: 121.379 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 125.08 Mbit/s
95th percentile per-packet one-way delay: 125.169 ms
Loss rate: 0.01%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-08-09 09:34:02

End at: 2018-08-09 09:34:32

Local clock offset: -1.146 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2018-08-09 12:18:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 280.49 Mbit/s

95th percentile per-packet one-way delay: 120.285 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 147.61 Mbit/s

95th percentile per-packet one-way delay: 119.309 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 138.81 Mbit/s

95th percentile per-packet one-way delay: 121.411 ms

Loss rate: 0.02%

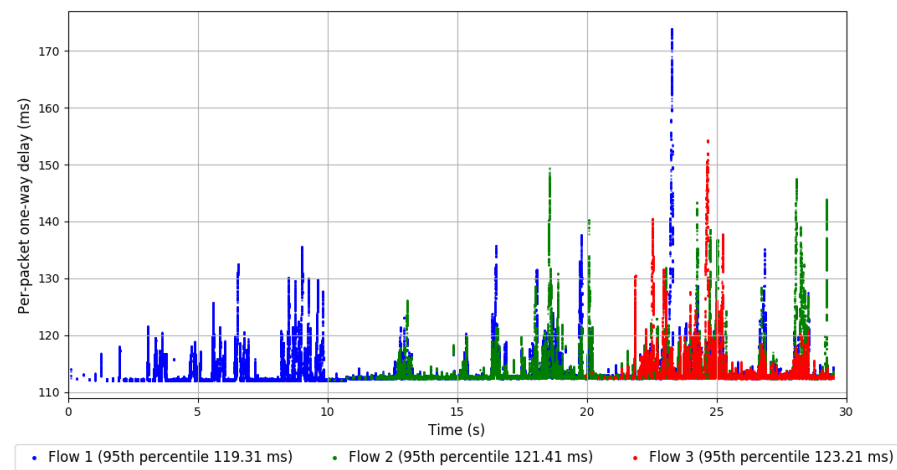
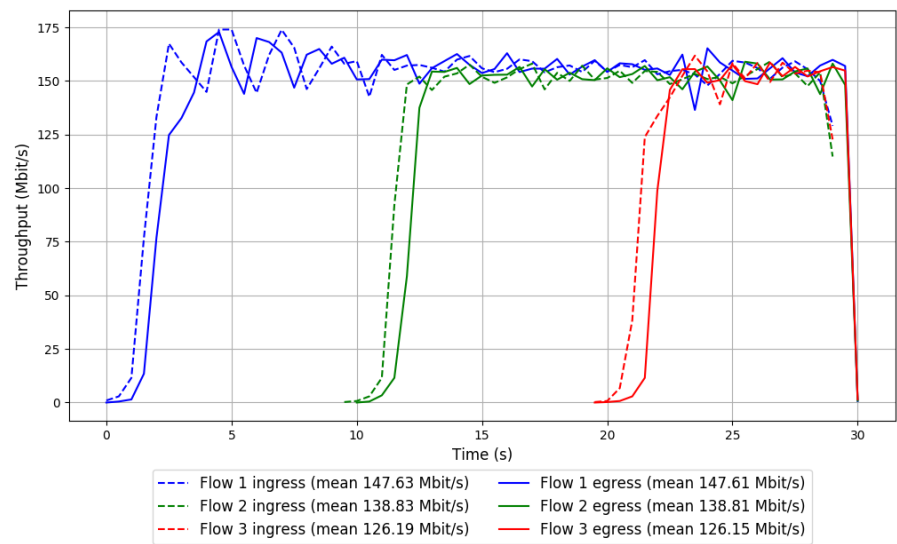
-- Flow 3:

Average throughput: 126.15 Mbit/s

95th percentile per-packet one-way delay: 123.213 ms

Loss rate: 0.05%

Run 9: Report of Indigo — Data Link

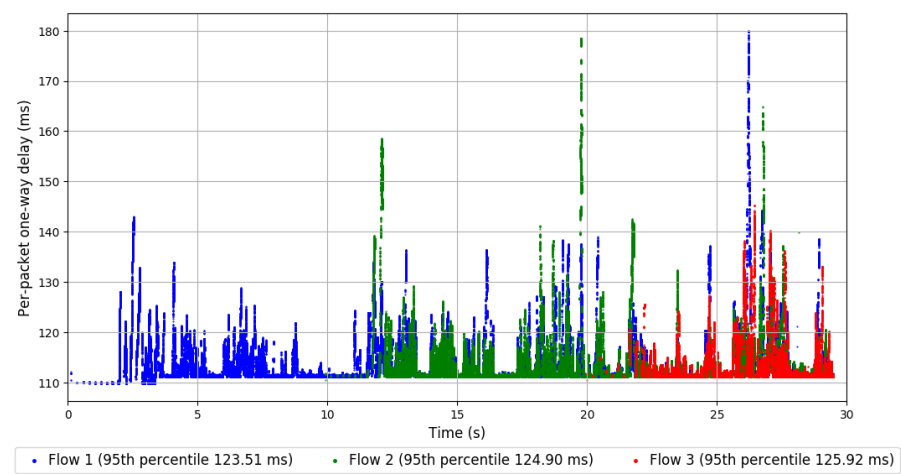
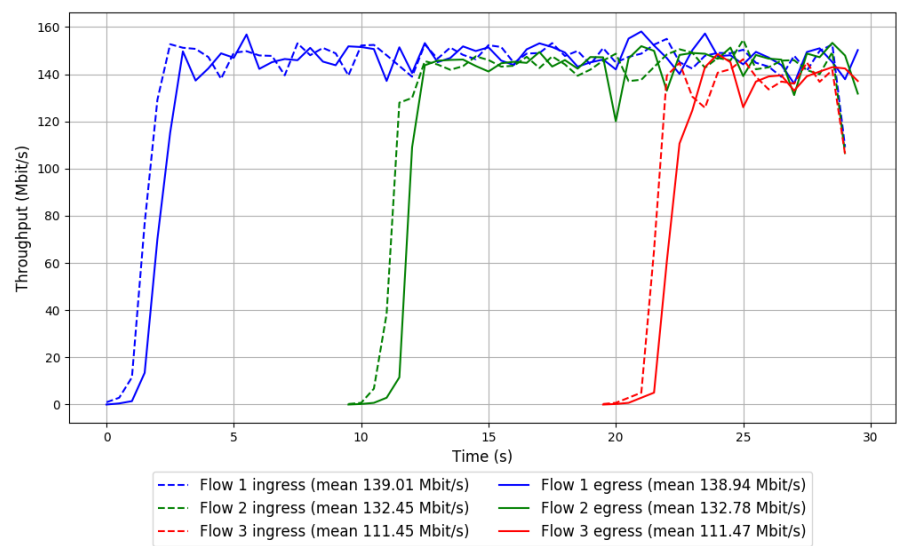


Run 10: Statistics of Indigo

Start at: 2018-08-09 10:00:39
End at: 2018-08-09 10:01:09
Local clock offset: -0.047 ms
Remote clock offset: -0.969 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 263.26 Mbit/s
95th percentile per-packet one-way delay: 124.265 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 138.94 Mbit/s
95th percentile per-packet one-way delay: 123.514 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 132.78 Mbit/s
95th percentile per-packet one-way delay: 124.901 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 111.47 Mbit/s
95th percentile per-packet one-way delay: 125.918 ms
Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

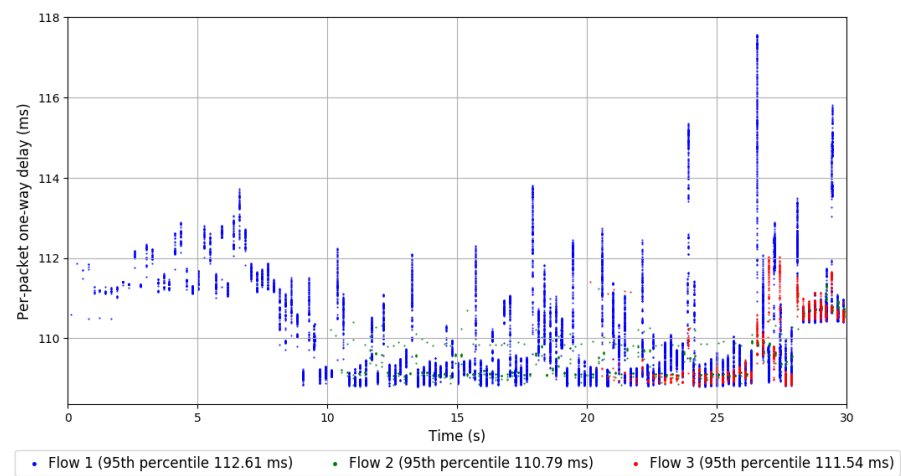
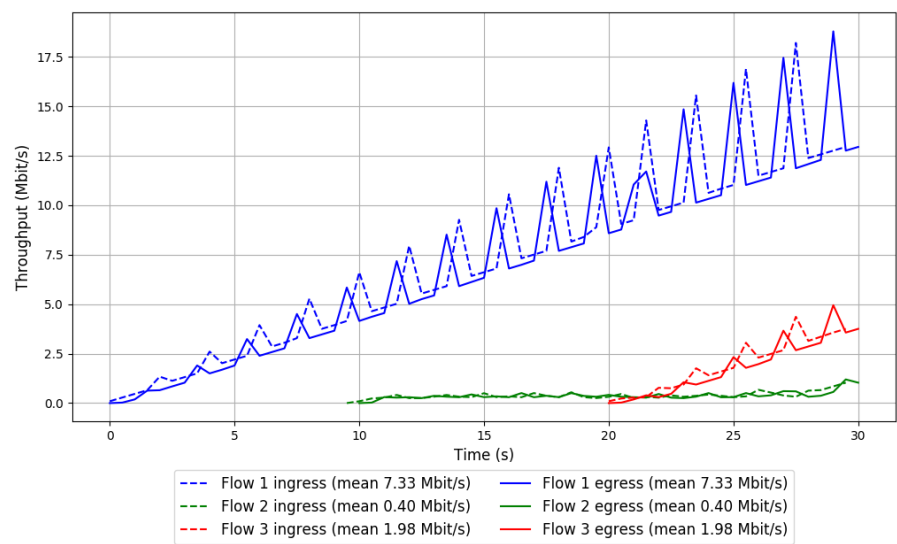


Run 1: Statistics of LEDBAT

Start at: 2018-08-09 06:02:45
End at: 2018-08-09 06:03:15
Local clock offset: -0.065 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 112.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 112.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 110.793 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-08-09 06:29:21

End at: 2018-08-09 06:29:51

Local clock offset: 1.051 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-08-09 12:18:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 113.414 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 114.066 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 112.813 ms

Loss rate: 0.00%

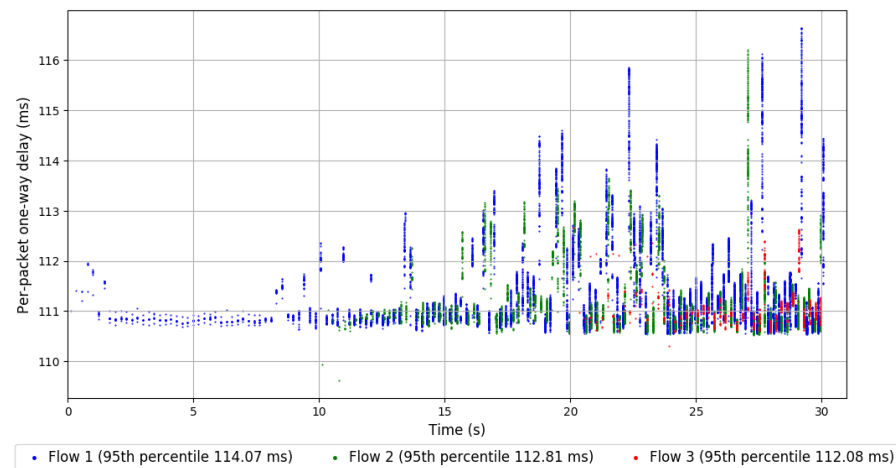
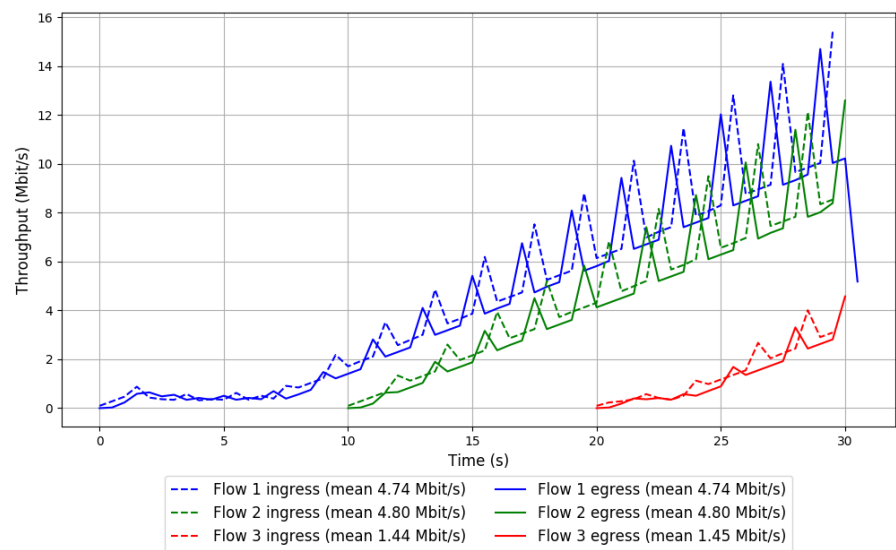
-- Flow 3:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 112.076 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-08-09 06:56:04

End at: 2018-08-09 06:56:34

Local clock offset: -0.068 ms

Remote clock offset: 0.307 ms

Below is generated by plot.py at 2018-08-09 12:18:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.15 Mbit/s

95th percentile per-packet one-way delay: 114.688 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 114.711 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 114.818 ms

Loss rate: 0.00%

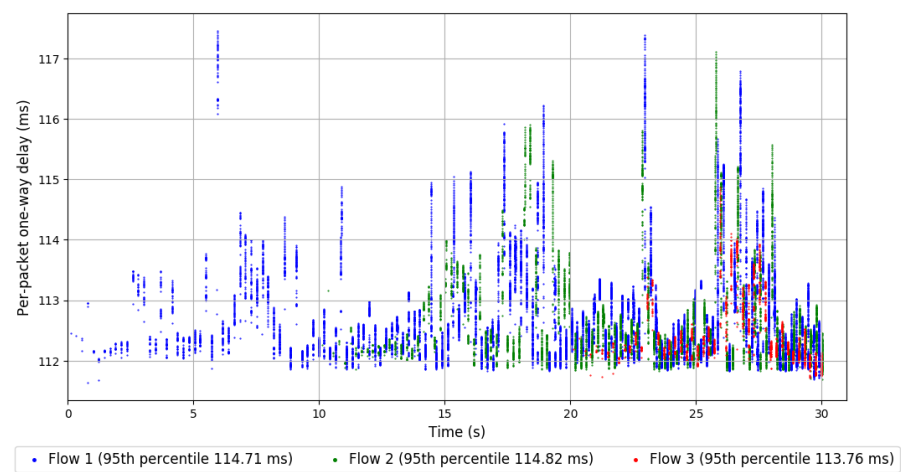
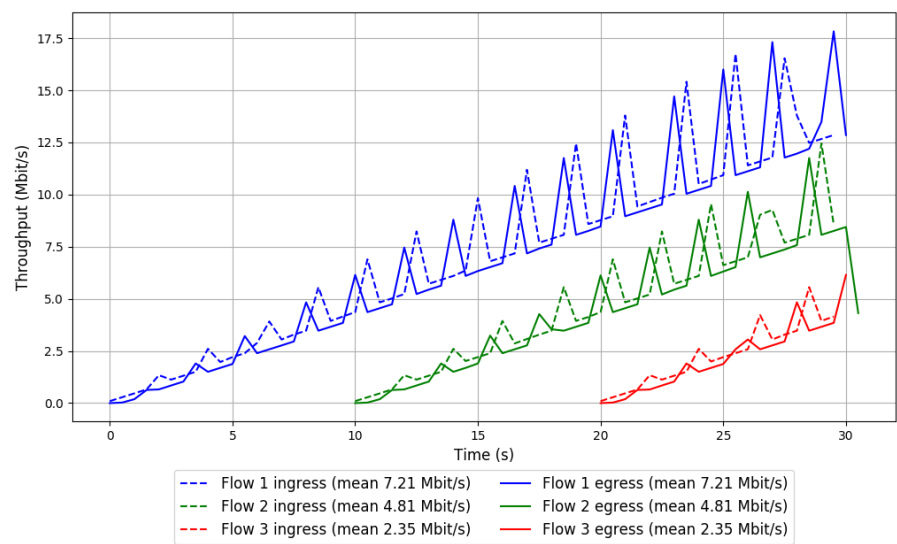
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 113.762 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-09 07:22:44

End at: 2018-08-09 07:23:14

Local clock offset: -1.112 ms

Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-08-09 12:18:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 115.428 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 115.484 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.82 Mbit/s

95th percentile per-packet one-way delay: 115.493 ms

Loss rate: 0.00%

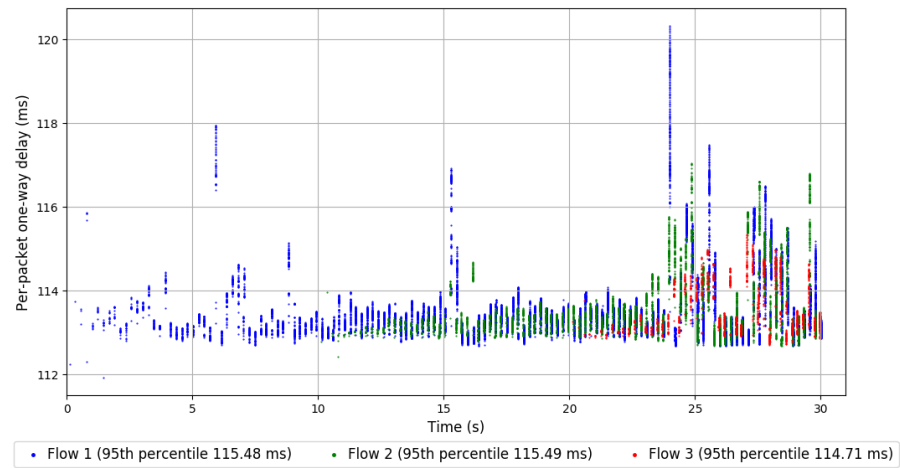
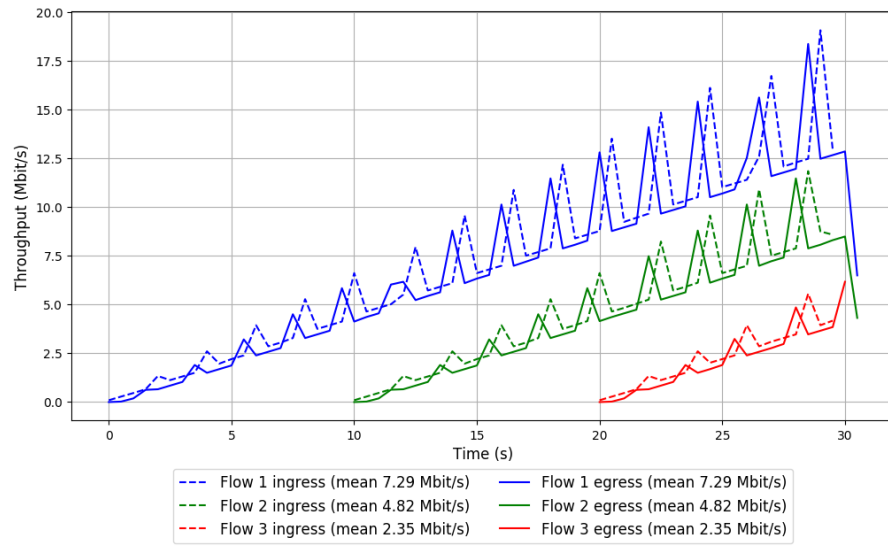
-- Flow 3:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 114.708 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

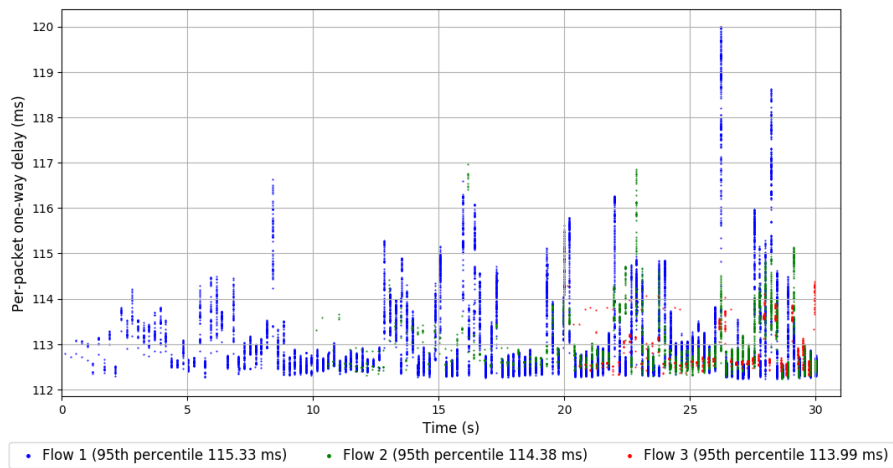
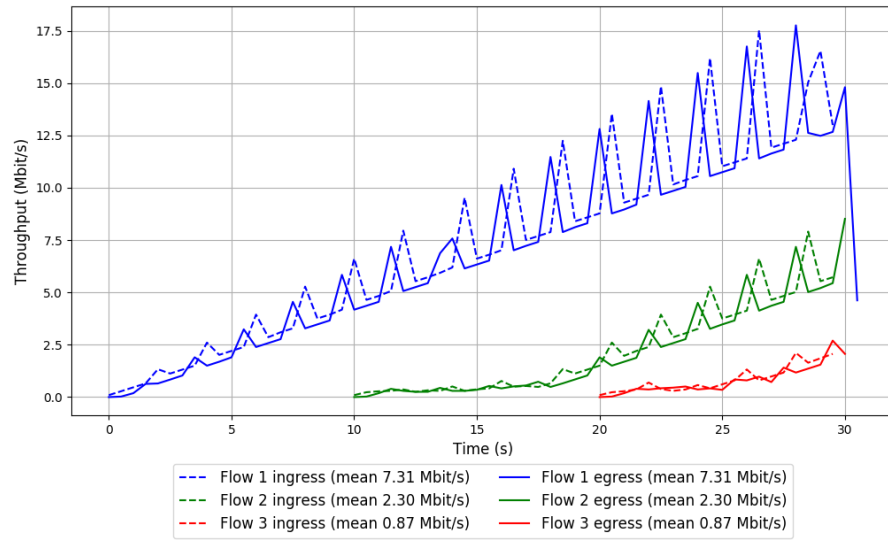


Run 5: Statistics of LEDBAT

Start at: 2018-08-09 07:49:36
End at: 2018-08-09 07:50:06
Local clock offset: -1.442 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 115.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 115.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 114.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 113.991 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

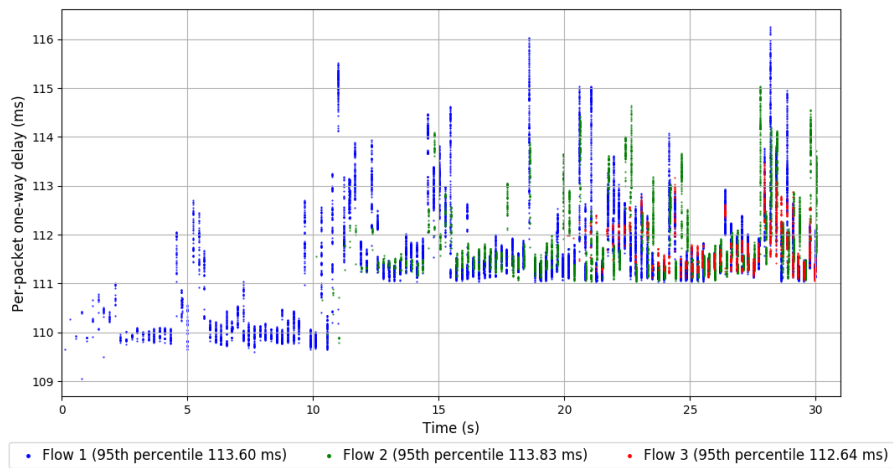
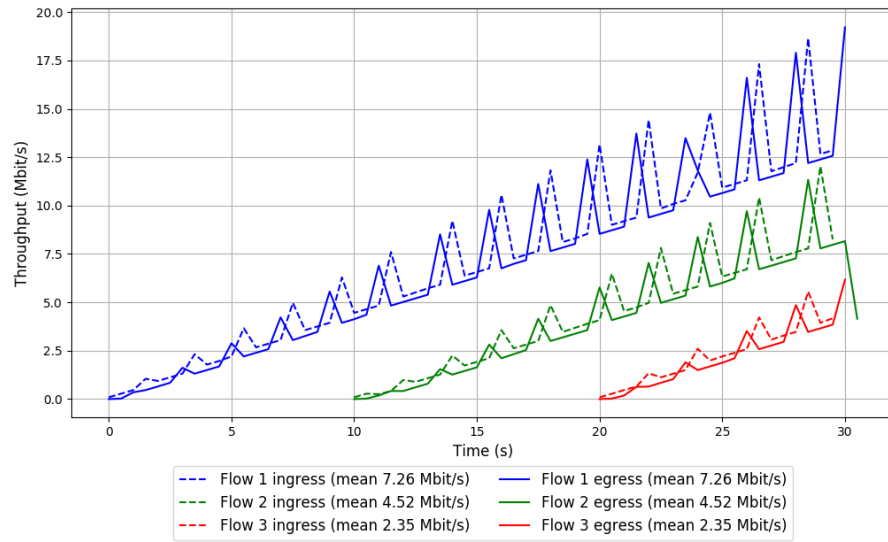


Run 6: Statistics of LEDBAT

Start at: 2018-08-09 08:16:22
End at: 2018-08-09 08:16:52
Local clock offset: 0.181 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: 113.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 113.600 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 113.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 112.640 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

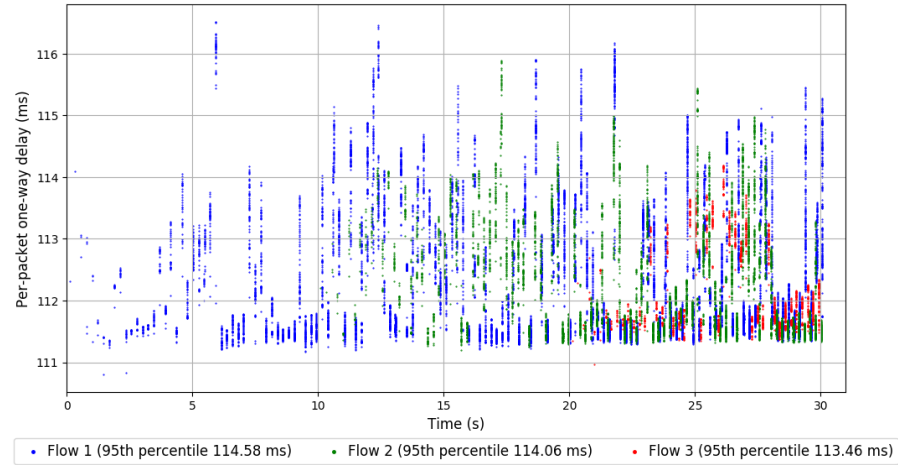
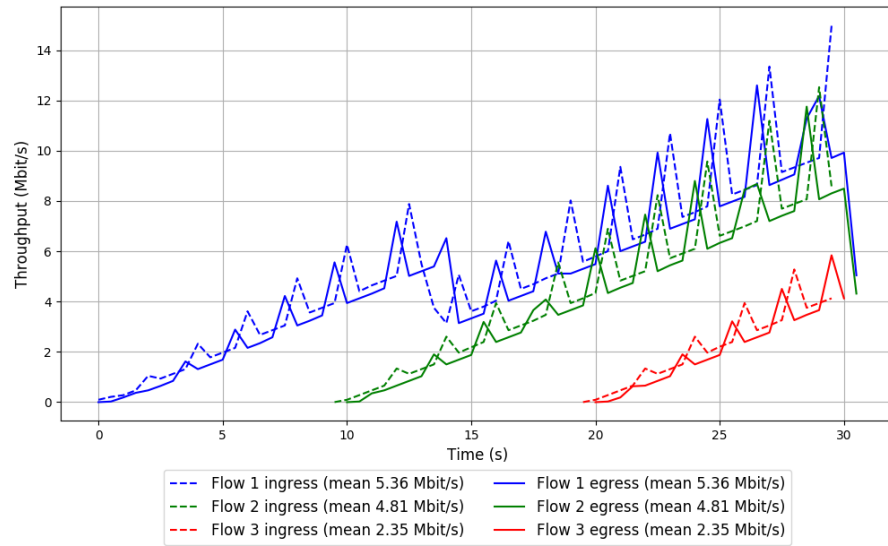


Run 7: Statistics of LEDBAT

Start at: 2018-08-09 08:42:44
End at: 2018-08-09 08:43:14
Local clock offset: -0.072 ms
Remote clock offset: 0.244 ms

```
# Below is generated by plot.py at 2018-08-09 12:18:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 114.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 114.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 114.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

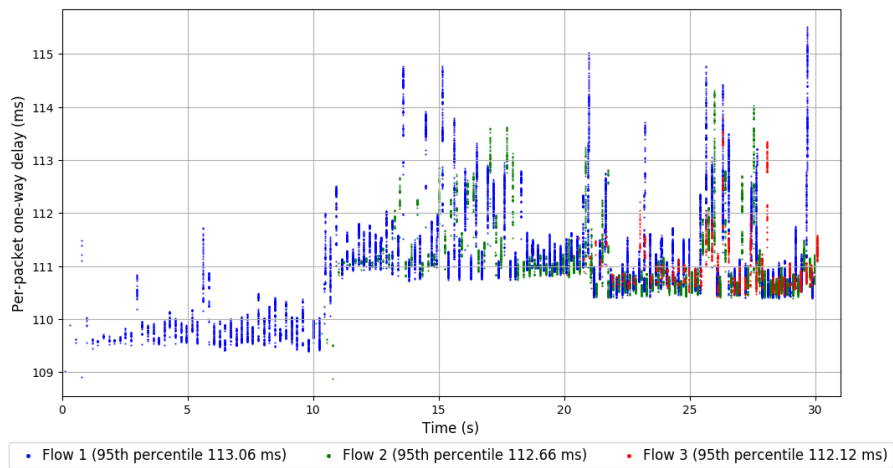
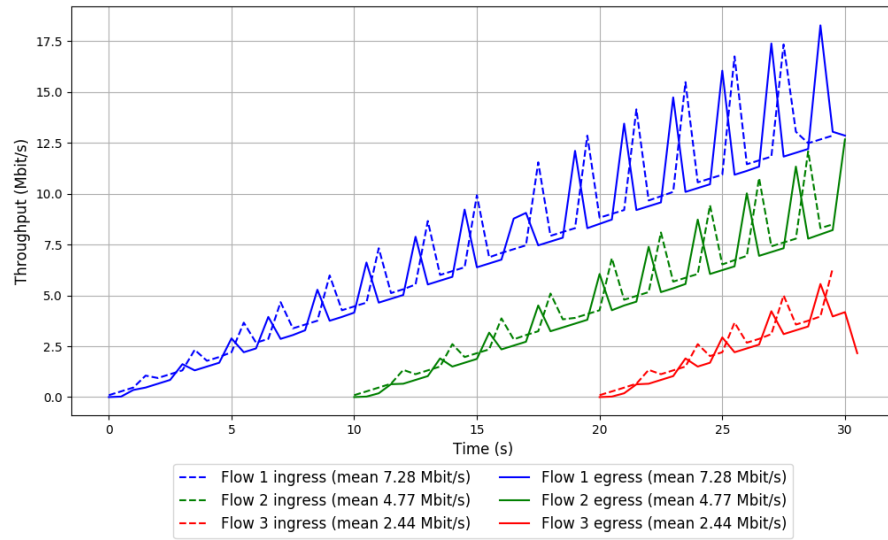


Run 8: Statistics of LEDBAT

Start at: 2018-08-09 09:09:22
End at: 2018-08-09 09:09:52
Local clock offset: 0.038 ms
Remote clock offset: -0.602 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.21 Mbit/s
95th percentile per-packet one-way delay: 112.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 113.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 112.124 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

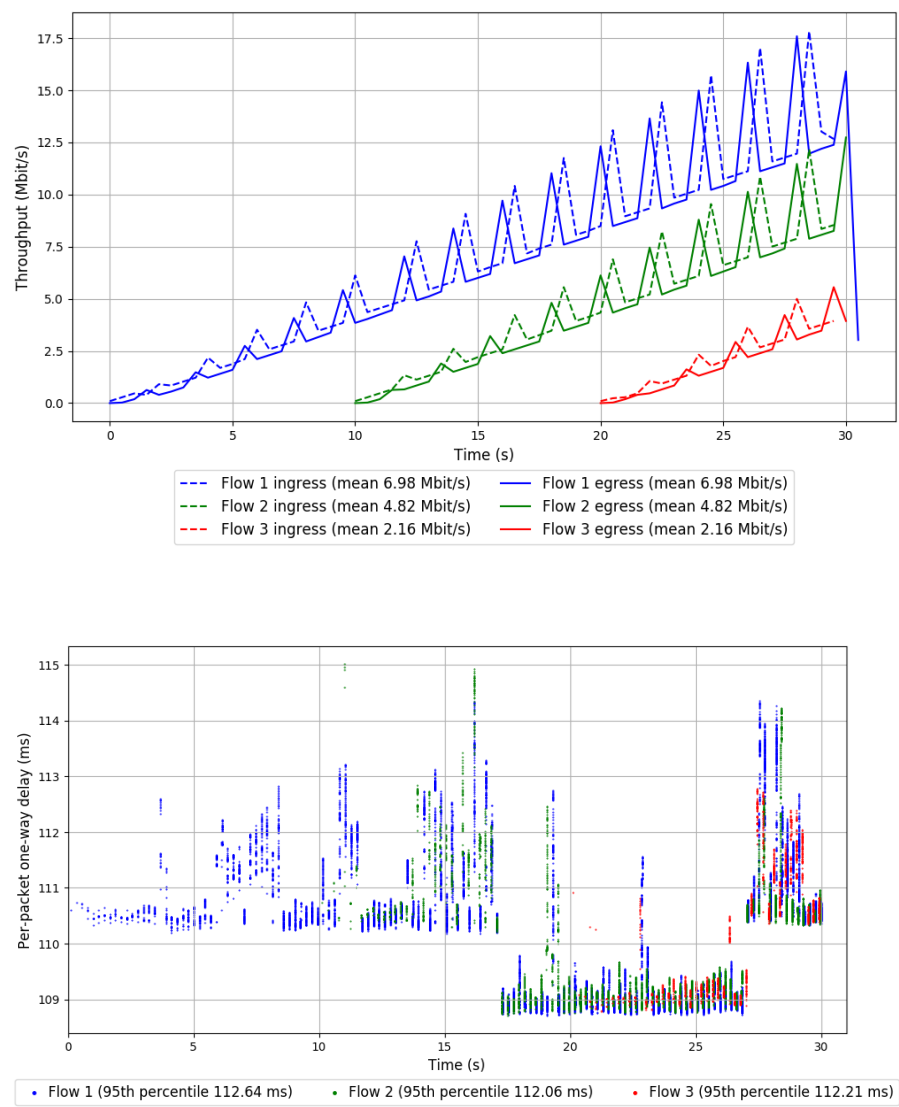


Run 9: Statistics of LEDBAT

Start at: 2018-08-09 09:35:36
End at: 2018-08-09 09:36:06
Local clock offset: 1.18 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 112.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 112.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.82 Mbit/s
95th percentile per-packet one-way delay: 112.059 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 112.214 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

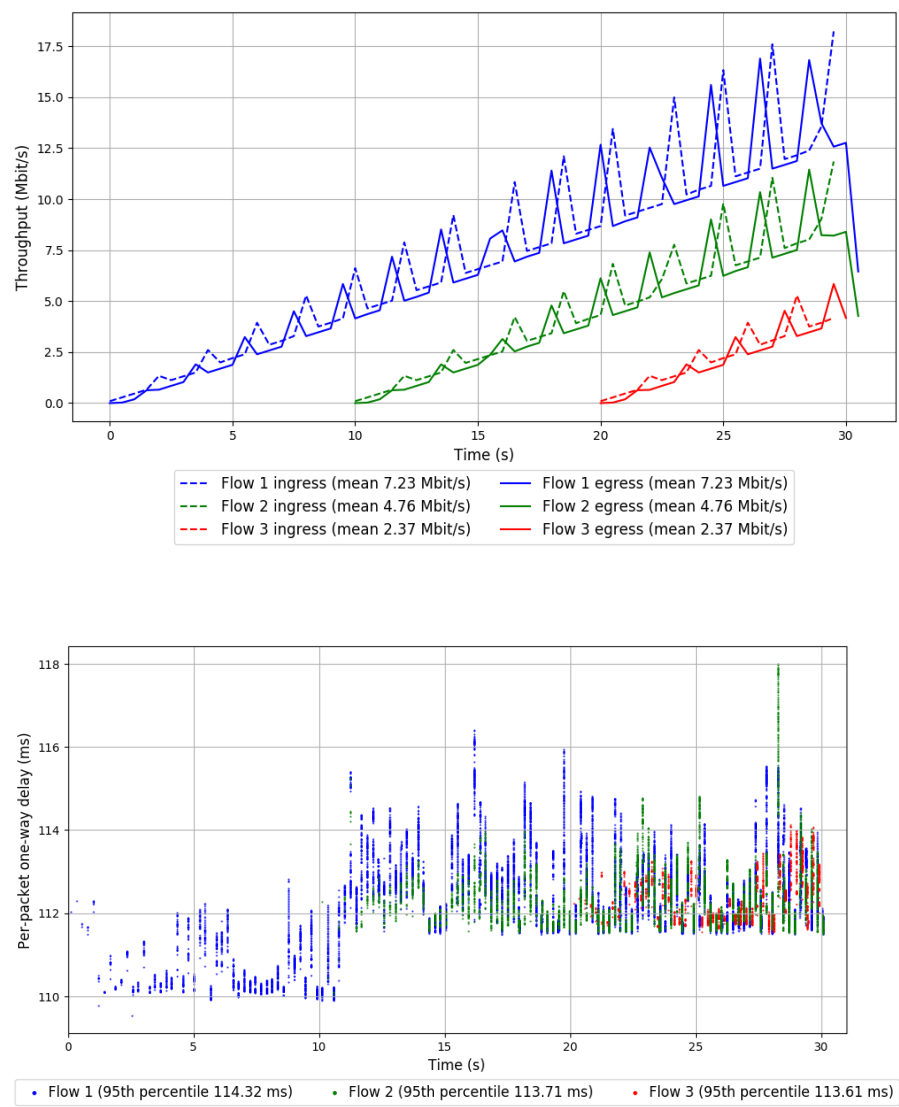


Run 10: Statistics of LEDBAT

Start at: 2018-08-09 10:02:12
End at: 2018-08-09 10:02:42
Local clock offset: -0.045 ms
Remote clock offset: -0.598 ms

Below is generated by plot.py at 2018-08-09 12:18:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 114.141 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.23 Mbit/s
95th percentile per-packet one-way delay: 114.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.76 Mbit/s
95th percentile per-packet one-way delay: 113.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 113.605 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

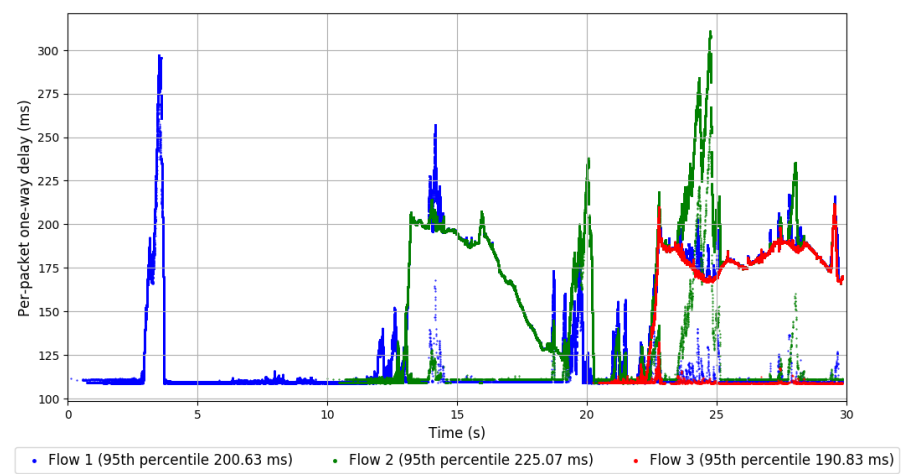
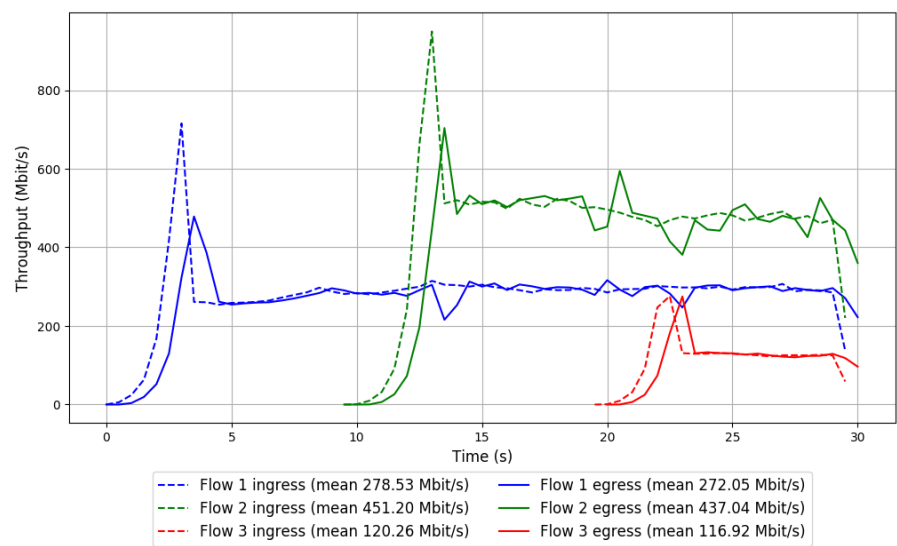


Run 1: Statistics of PCC-Allegro

Start at: 2018-08-09 06:23:02
End at: 2018-08-09 06:23:32
Local clock offset: 0.022 ms
Remote clock offset: -0.519 ms

Below is generated by plot.py at 2018-08-09 12:20:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 602.53 Mbit/s
95th percentile per-packet one-way delay: 210.656 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 272.05 Mbit/s
95th percentile per-packet one-way delay: 200.629 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 437.04 Mbit/s
95th percentile per-packet one-way delay: 225.069 ms
Loss rate: 3.14%
-- Flow 3:
Average throughput: 116.92 Mbit/s
95th percentile per-packet one-way delay: 190.827 ms
Loss rate: 2.77%

Run 1: Report of PCC-Allegro — Data Link

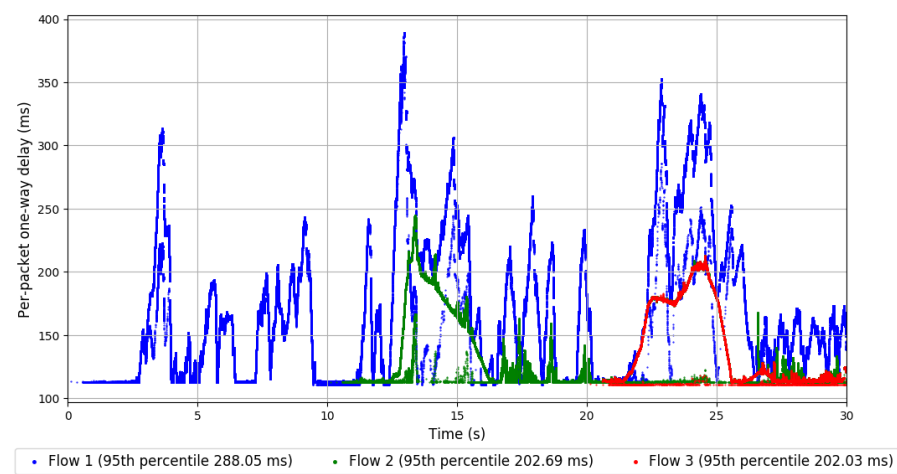
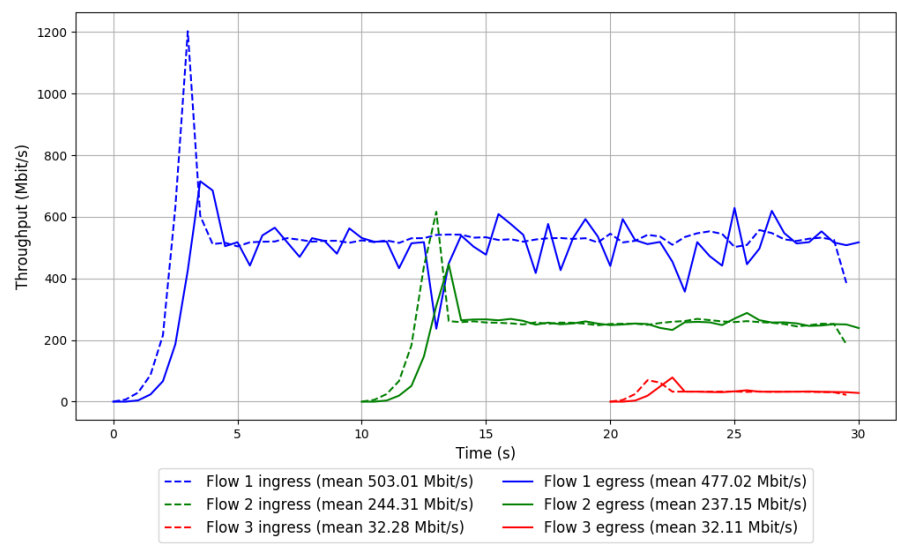


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-09 06:49:25
End at: 2018-08-09 06:49:55
Local clock offset: -1.488 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-08-09 12:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 645.26 Mbit/s
95th percentile per-packet one-way delay: 271.511 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 477.02 Mbit/s
95th percentile per-packet one-way delay: 288.045 ms
Loss rate: 5.16%
-- Flow 2:
Average throughput: 237.15 Mbit/s
95th percentile per-packet one-way delay: 202.688 ms
Loss rate: 2.93%
-- Flow 3:
Average throughput: 32.11 Mbit/s
95th percentile per-packet one-way delay: 202.035 ms
Loss rate: 0.52%

Run 2: Report of PCC-Allegro — Data Link

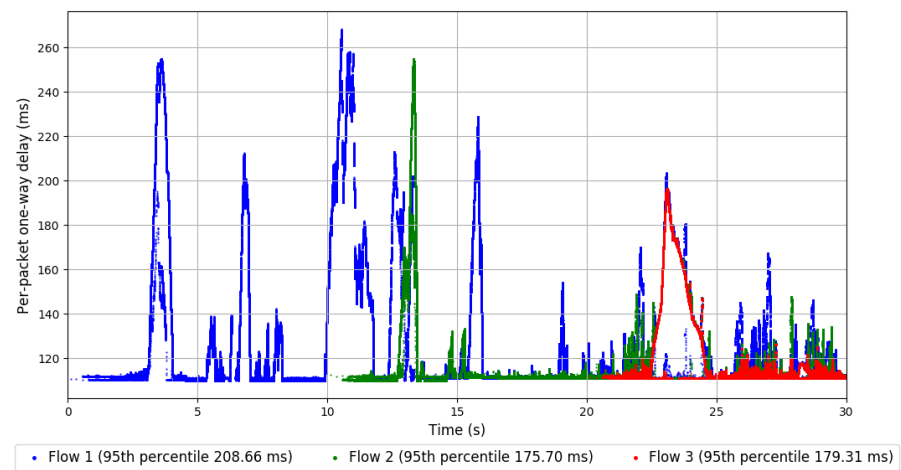
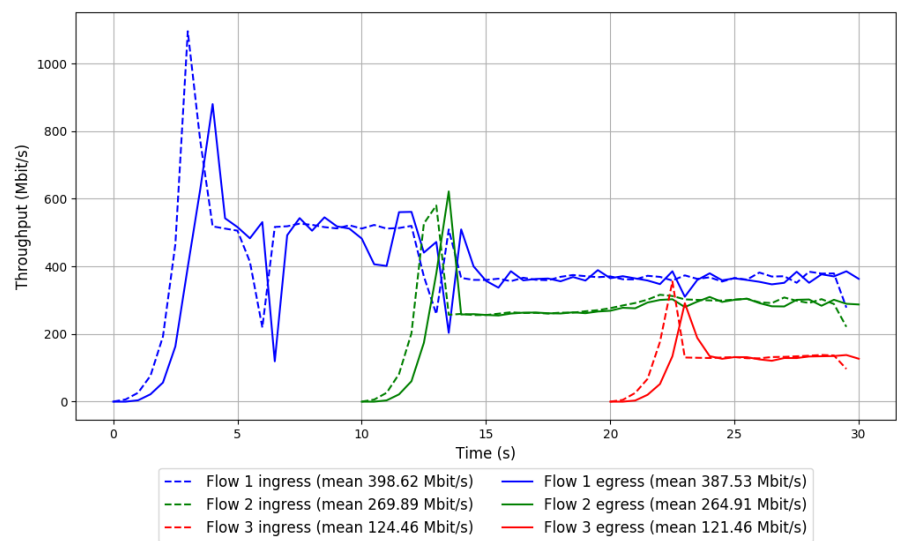


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-09 07:16:08
End at: 2018-08-09 07:16:38
Local clock offset: -0.062 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-08-09 12:21:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 603.55 Mbit/s
95th percentile per-packet one-way delay: 199.769 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 387.53 Mbit/s
95th percentile per-packet one-way delay: 208.665 ms
Loss rate: 2.79%
-- Flow 2:
Average throughput: 264.91 Mbit/s
95th percentile per-packet one-way delay: 175.704 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 121.46 Mbit/s
95th percentile per-packet one-way delay: 179.307 ms
Loss rate: 2.42%

Run 3: Report of PCC-Allegro — Data Link

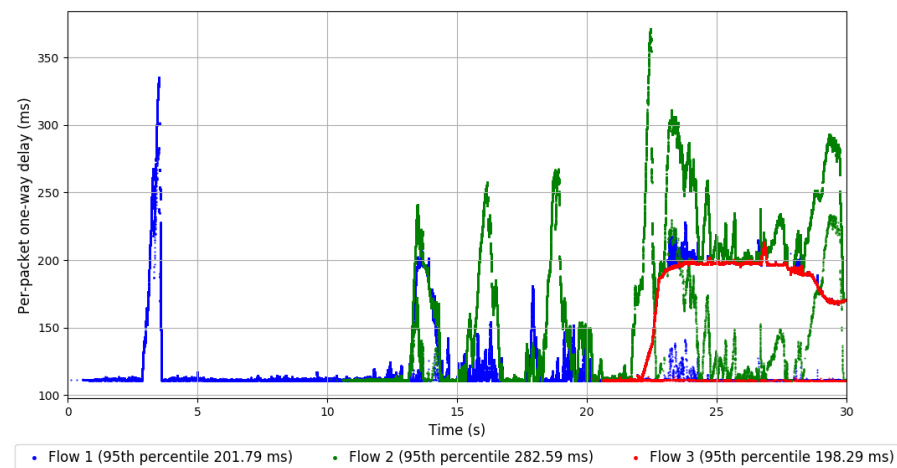
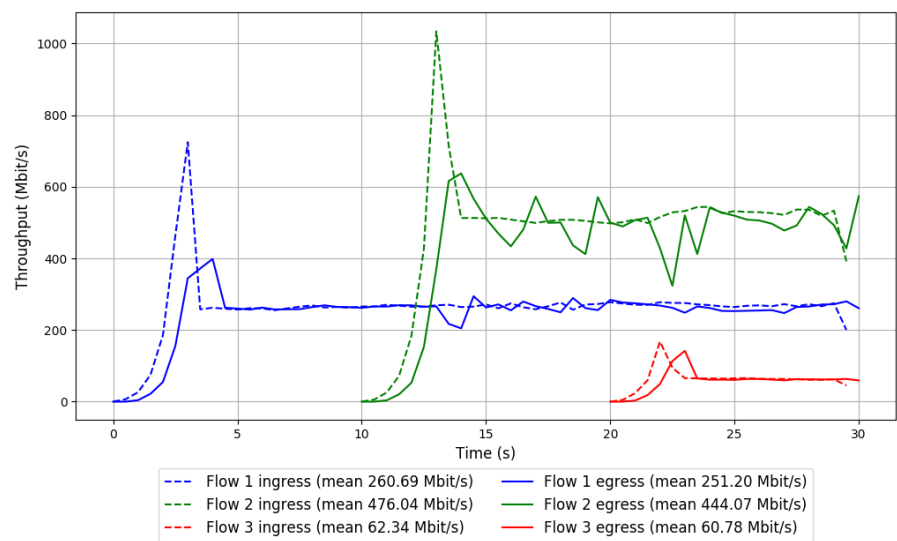


Run 4: Statistics of PCC-Allegro

Start at: 2018-08-09 07:43:05
End at: 2018-08-09 07:43:35
Local clock offset: 0.022 ms
Remote clock offset: -0.103 ms

```
# Below is generated by plot.py at 2018-08-09 12:21:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 566.36 Mbit/s
95th percentile per-packet one-way delay: 264.720 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 251.20 Mbit/s
95th percentile per-packet one-way delay: 201.794 ms
Loss rate: 3.64%
-- Flow 2:
Average throughput: 444.07 Mbit/s
95th percentile per-packet one-way delay: 282.592 ms
Loss rate: 6.72%
-- Flow 3:
Average throughput: 60.78 Mbit/s
95th percentile per-packet one-way delay: 198.286 ms
Loss rate: 2.50%
```

Run 4: Report of PCC-Allegro — Data Link

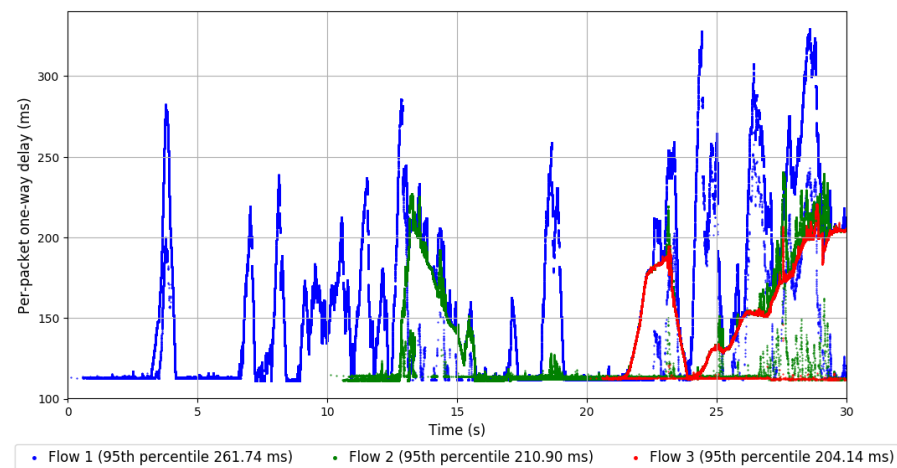
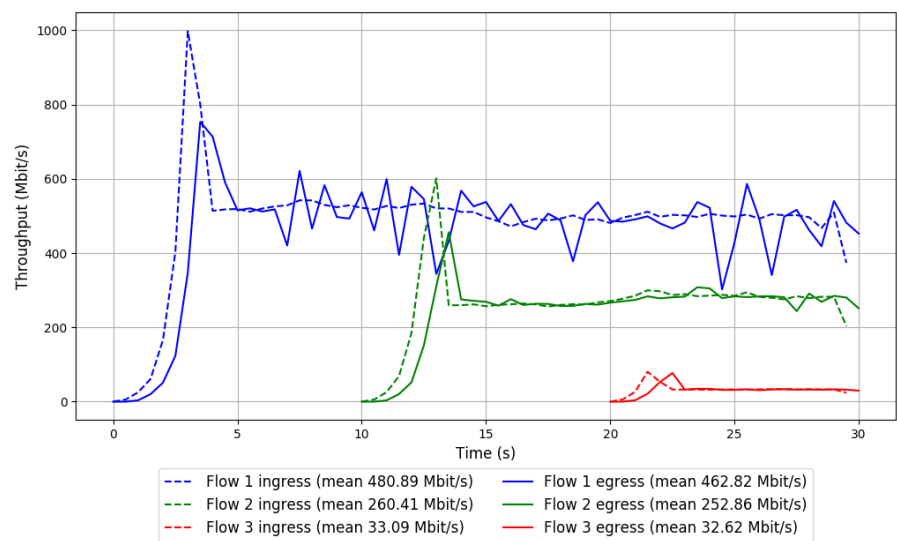


Run 5: Statistics of PCC-Allegro

Start at: 2018-08-09 08:09:56
End at: 2018-08-09 08:10:26
Local clock offset: -1.468 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-08-09 12:25:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 641.55 Mbit/s
95th percentile per-packet one-way delay: 251.028 ms
Loss rate: 3.50%
-- Flow 1:
Average throughput: 462.82 Mbit/s
95th percentile per-packet one-way delay: 261.742 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 252.86 Mbit/s
95th percentile per-packet one-way delay: 210.902 ms
Loss rate: 2.90%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 204.142 ms
Loss rate: 1.39%

Run 5: Report of PCC-Allegro — Data Link

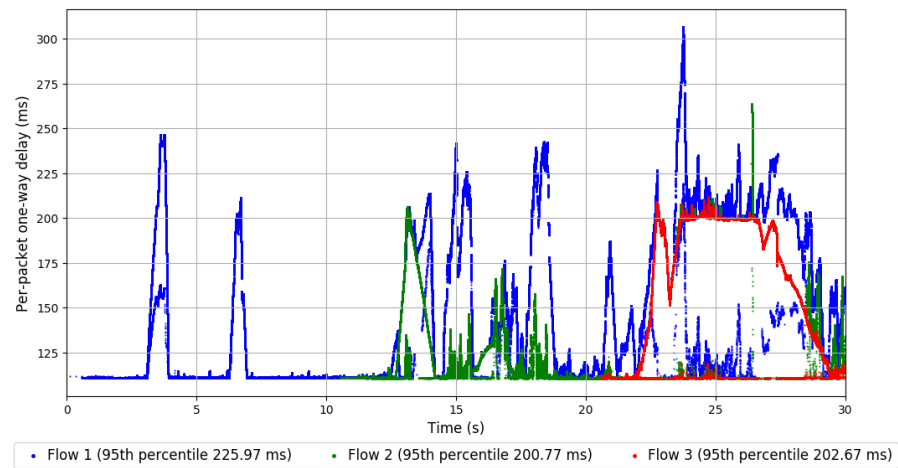
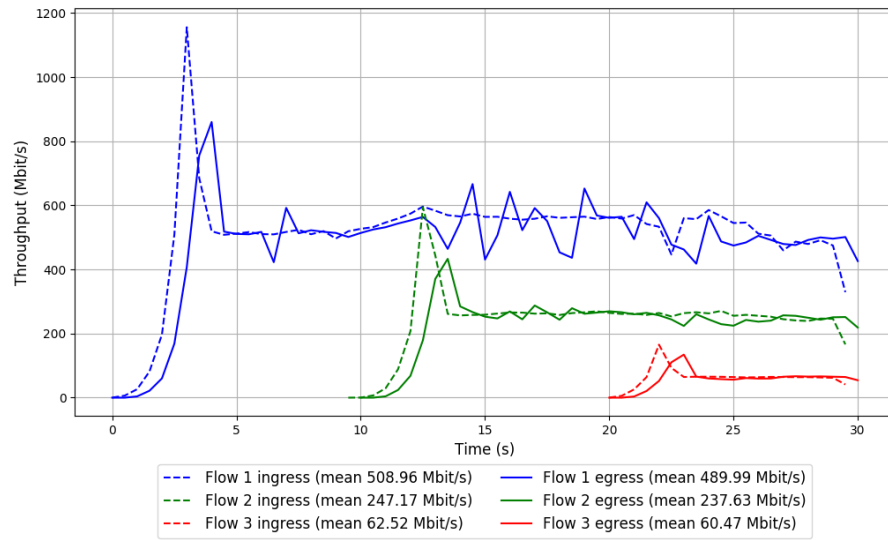


Run 6: Statistics of PCC-Allegro

Start at: 2018-08-09 08:36:22
End at: 2018-08-09 08:36:52
Local clock offset: -0.308 ms
Remote clock offset: -0.478 ms

Below is generated by plot.py at 2018-08-09 12:26:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 667.92 Mbit/s
95th percentile per-packet one-way delay: 217.456 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 489.99 Mbit/s
95th percentile per-packet one-way delay: 225.971 ms
Loss rate: 3.73%
-- Flow 2:
Average throughput: 237.63 Mbit/s
95th percentile per-packet one-way delay: 200.766 ms
Loss rate: 3.86%
-- Flow 3:
Average throughput: 60.47 Mbit/s
95th percentile per-packet one-way delay: 202.668 ms
Loss rate: 3.23%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-08-09 09:02:59

End at: 2018-08-09 09:03:29

Local clock offset: -0.455 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-09 12:26:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 497.85 Mbit/s

95th percentile per-packet one-way delay: 205.910 ms

Loss rate: 4.91%

-- Flow 1:

Average throughput: 266.90 Mbit/s

95th percentile per-packet one-way delay: 203.411 ms

Loss rate: 3.57%

-- Flow 2:

Average throughput: 242.24 Mbit/s

95th percentile per-packet one-way delay: 220.045 ms

Loss rate: 5.53%

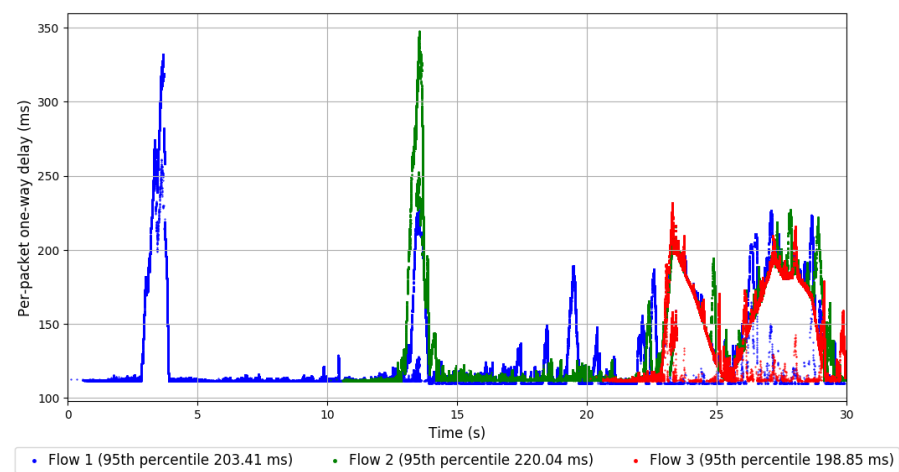
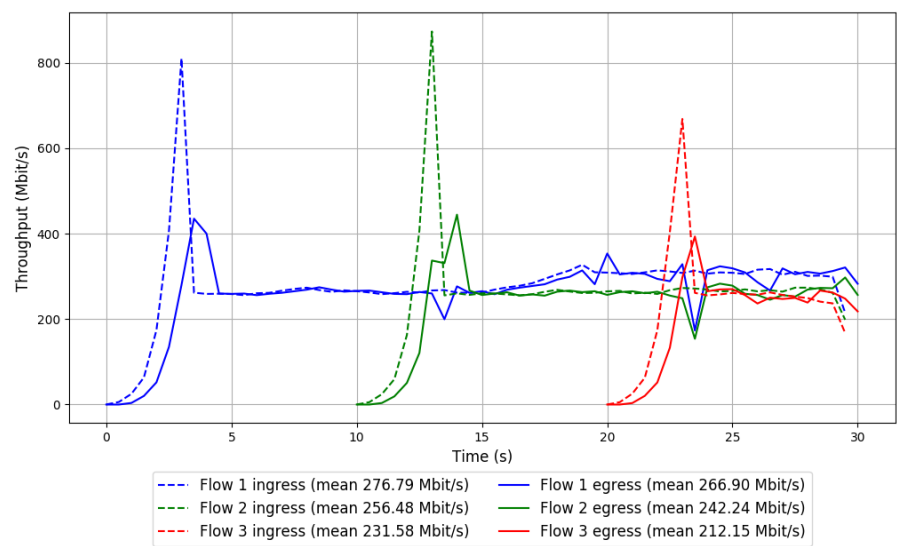
-- Flow 3:

Average throughput: 212.15 Mbit/s

95th percentile per-packet one-way delay: 198.846 ms

Loss rate: 8.36%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-09 09:29:08

End at: 2018-08-09 09:29:38

Local clock offset: 0.117 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-08-09 12:29:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 646.38 Mbit/s

95th percentile per-packet one-way delay: 201.358 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 478.29 Mbit/s

95th percentile per-packet one-way delay: 207.516 ms

Loss rate: 2.64%

-- Flow 2:

Average throughput: 236.57 Mbit/s

95th percentile per-packet one-way delay: 174.274 ms

Loss rate: 1.97%

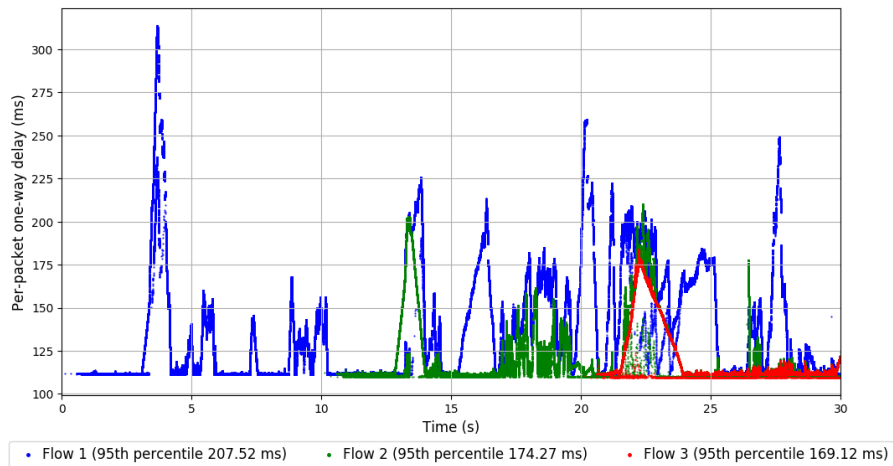
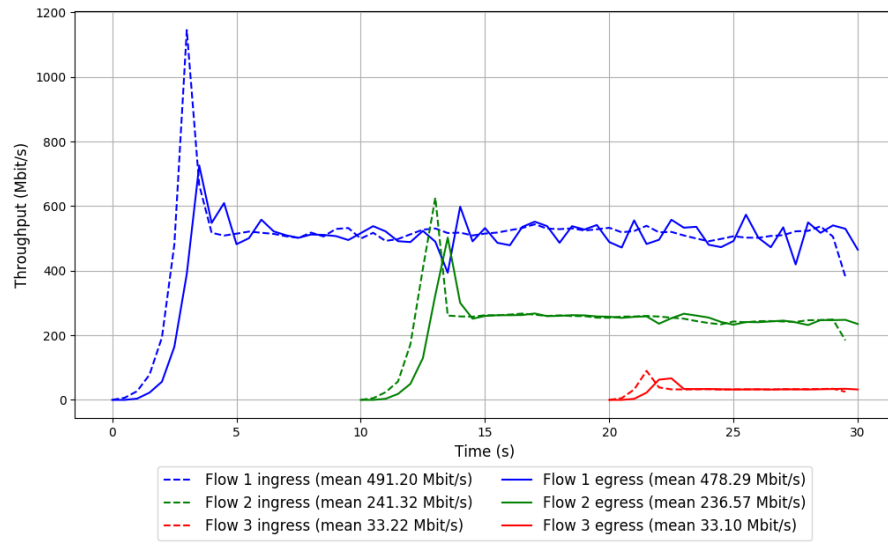
-- Flow 3:

Average throughput: 33.10 Mbit/s

95th percentile per-packet one-way delay: 169.115 ms

Loss rate: 0.34%

Run 8: Report of PCC-Allegro — Data Link

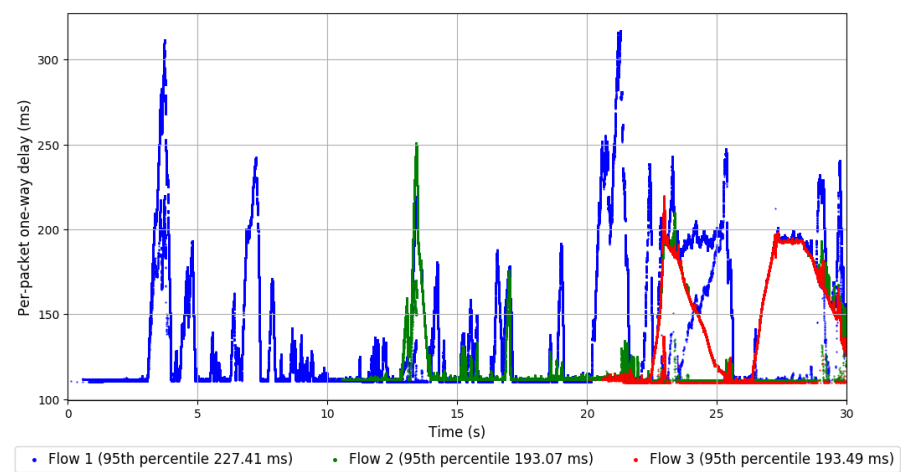
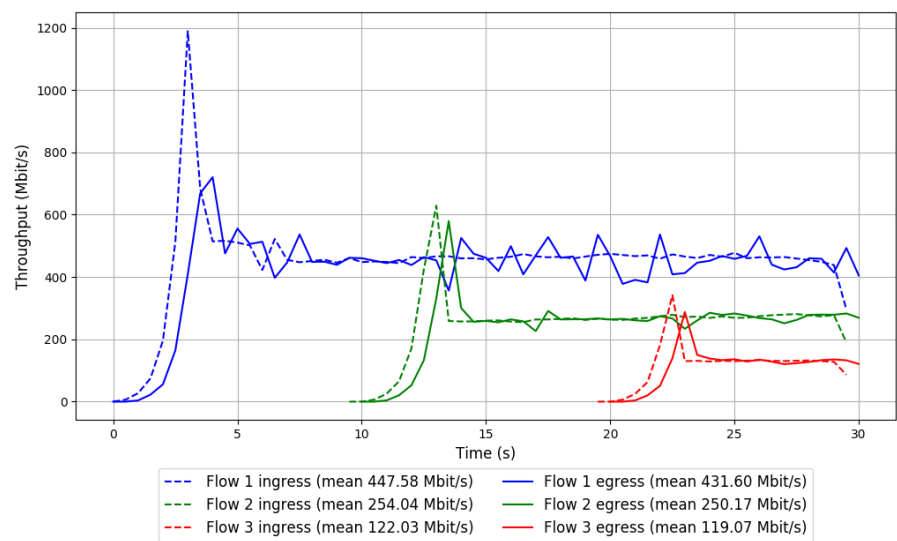


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-09 09:55:52
End at: 2018-08-09 09:56:22
Local clock offset: -0.093 ms
Remote clock offset: -0.593 ms

Below is generated by plot.py at 2018-08-09 12:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 637.31 Mbit/s
95th percentile per-packet one-way delay: 215.985 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 431.60 Mbit/s
95th percentile per-packet one-way delay: 227.415 ms
Loss rate: 3.56%
-- Flow 2:
Average throughput: 250.17 Mbit/s
95th percentile per-packet one-way delay: 193.073 ms
Loss rate: 1.52%
-- Flow 3:
Average throughput: 119.07 Mbit/s
95th percentile per-packet one-way delay: 193.486 ms
Loss rate: 2.40%

Run 9: Report of PCC-Allegro — Data Link

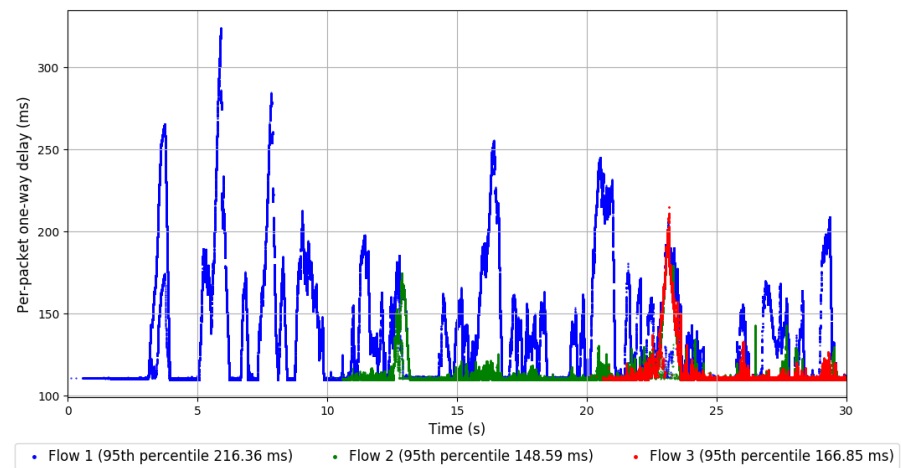
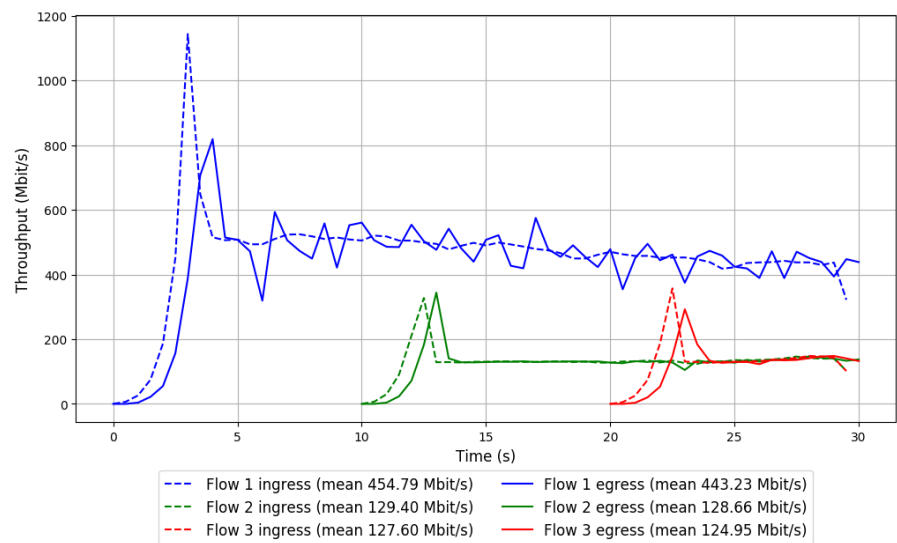


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-09 10:23:00
End at: 2018-08-09 10:23:30
Local clock offset: -0.24 ms
Remote clock offset: -0.739 ms

Below is generated by plot.py at 2018-08-09 12:30:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.90 Mbit/s
95th percentile per-packet one-way delay: 207.080 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 443.23 Mbit/s
95th percentile per-packet one-way delay: 216.360 ms
Loss rate: 2.54%
-- Flow 2:
Average throughput: 128.66 Mbit/s
95th percentile per-packet one-way delay: 148.586 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 124.95 Mbit/s
95th percentile per-packet one-way delay: 166.846 ms
Loss rate: 2.10%

Run 10: Report of PCC-Allegro — Data Link

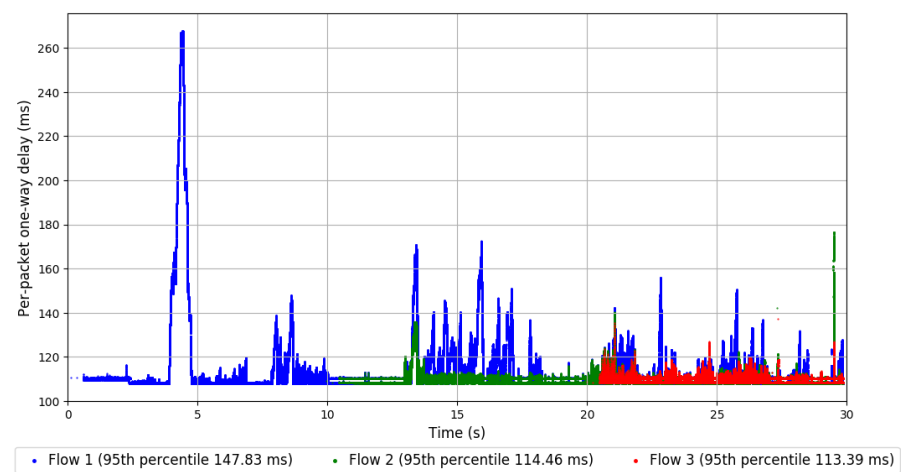
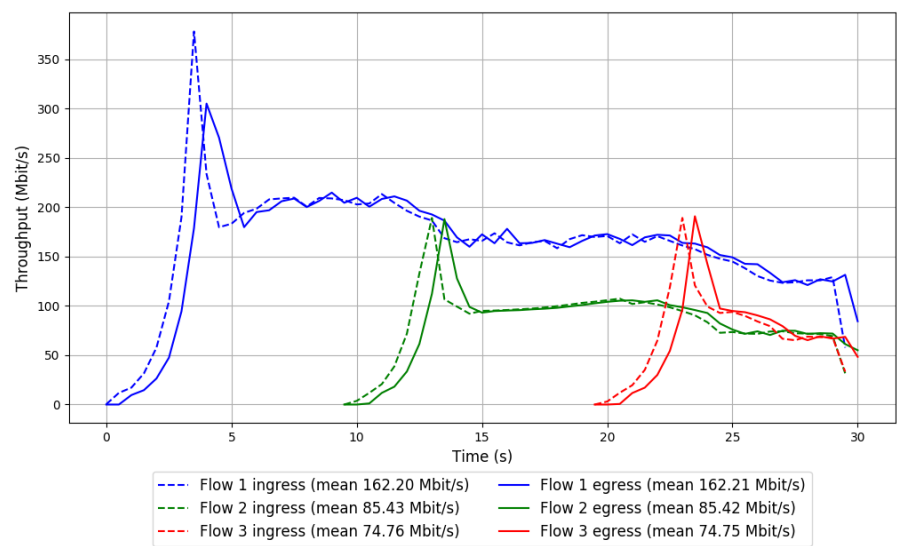


```
Run 1: Statistics of PCC-Expr

Start at: 2018-08-09 06:24:41
End at: 2018-08-09 06:25:11
Local clock offset: 1.423 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-08-09 12:30:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 244.07 Mbit/s
95th percentile per-packet one-way delay: 134.531 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 162.21 Mbit/s
95th percentile per-packet one-way delay: 147.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 114.456 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.75 Mbit/s
95th percentile per-packet one-way delay: 113.386 ms
Loss rate: 0.00%
```


Run 1: Report of PCC-Expr — Data Link

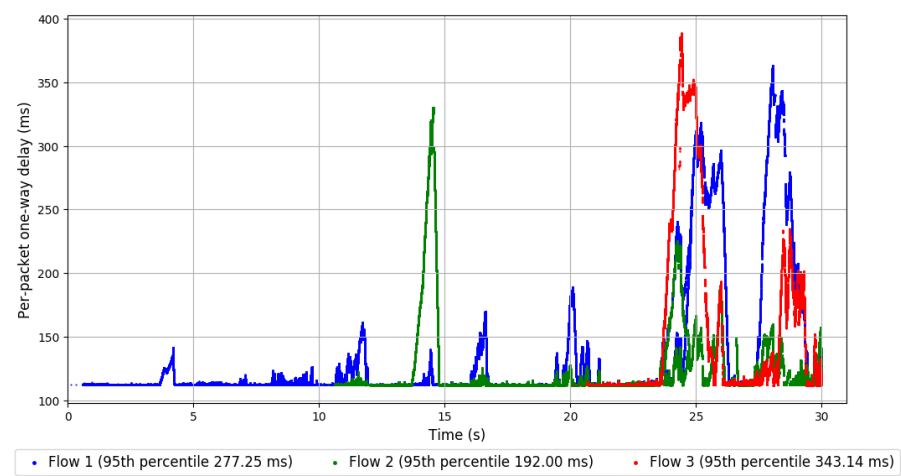
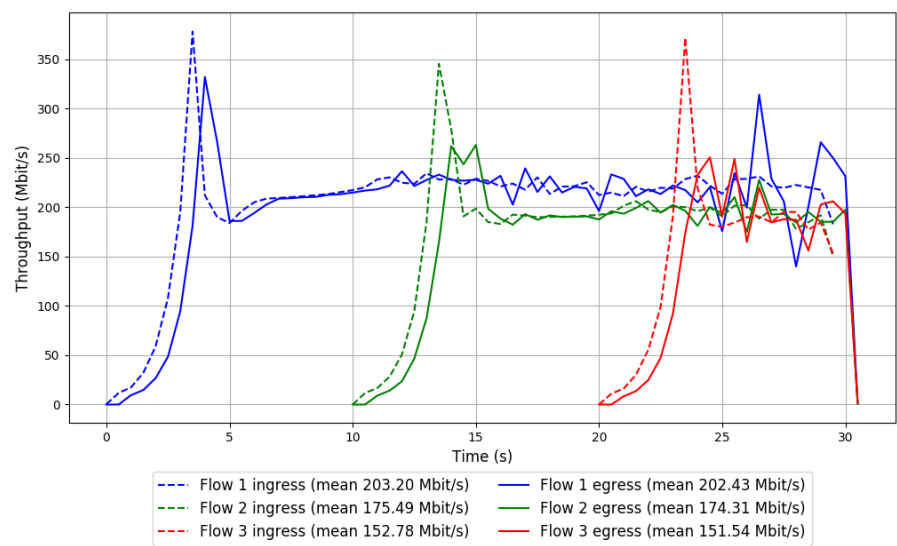


Run 2: Statistics of PCC-Expr

Start at: 2018-08-09 06:51:05
End at: 2018-08-09 06:51:35
Local clock offset: -1.44 ms
Remote clock offset: -0.486 ms

Below is generated by plot.py at 2018-08-09 12:33:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.33 Mbit/s
95th percentile per-packet one-way delay: 282.448 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 202.43 Mbit/s
95th percentile per-packet one-way delay: 277.253 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 174.31 Mbit/s
95th percentile per-packet one-way delay: 192.004 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 151.54 Mbit/s
95th percentile per-packet one-way delay: 343.143 ms
Loss rate: 0.81%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-08-09 07:17:47

End at: 2018-08-09 07:18:17

Local clock offset: 0.062 ms

Remote clock offset: -0.47 ms

Below is generated by plot.py at 2018-08-09 12:37:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.49 Mbit/s

95th percentile per-packet one-way delay: 297.690 ms

Loss rate: 6.71%

-- Flow 1:

Average throughput: 259.92 Mbit/s

95th percentile per-packet one-way delay: 307.208 ms

Loss rate: 8.86%

-- Flow 2:

Average throughput: 178.32 Mbit/s

95th percentile per-packet one-way delay: 226.866 ms

Loss rate: 2.43%

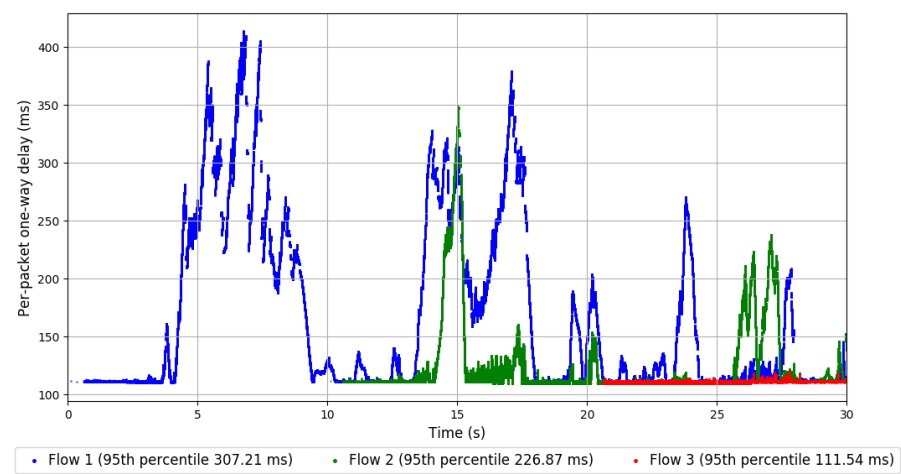
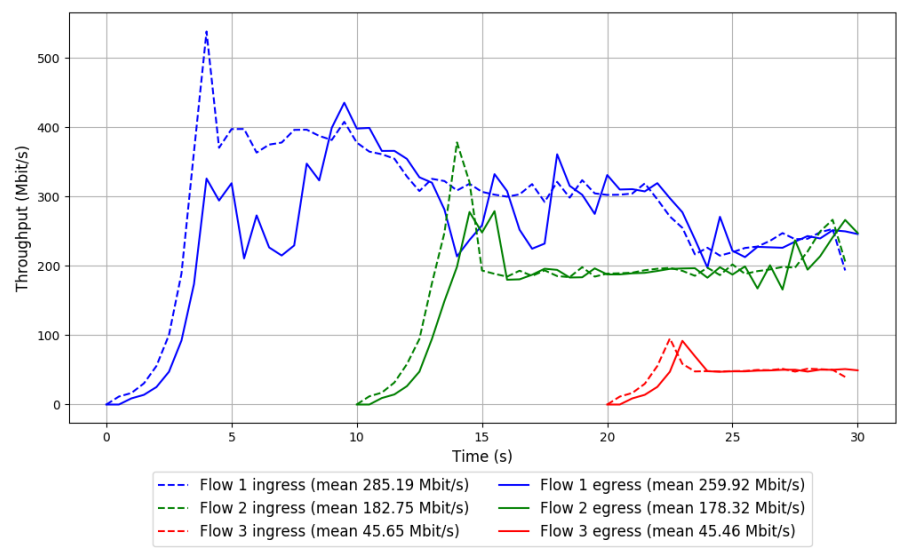
-- Flow 3:

Average throughput: 45.46 Mbit/s

95th percentile per-packet one-way delay: 111.538 ms

Loss rate: 0.39%

Run 3: Report of PCC-Expr — Data Link

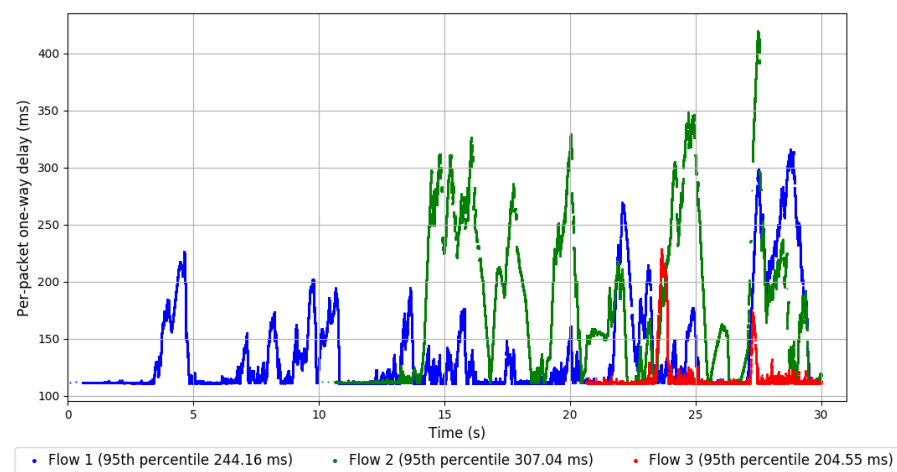
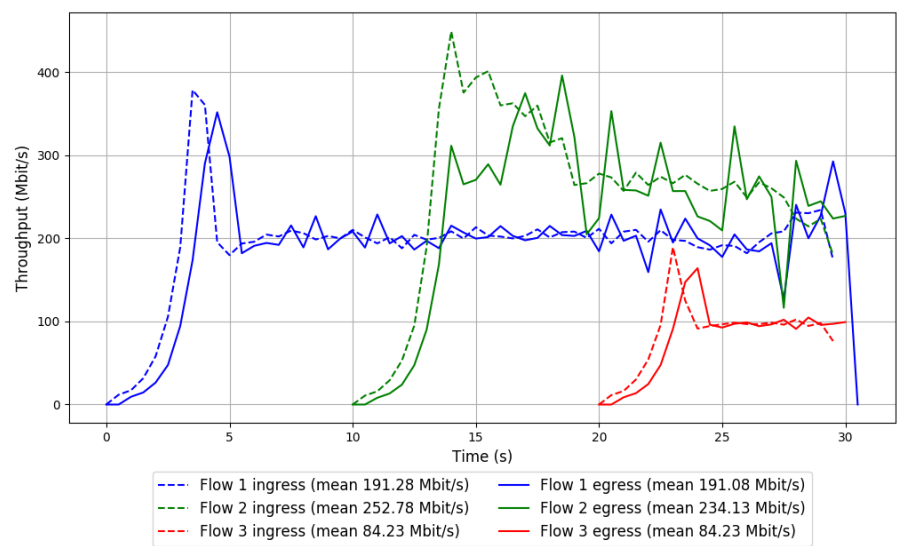


Run 4: Statistics of PCC-Expr

Start at: 2018-08-09 07:44:43
End at: 2018-08-09 07:45:13
Local clock offset: -0.262 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-08-09 12:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.50 Mbit/s
95th percentile per-packet one-way delay: 279.956 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 191.08 Mbit/s
95th percentile per-packet one-way delay: 244.156 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 234.13 Mbit/s
95th percentile per-packet one-way delay: 307.038 ms
Loss rate: 7.38%
-- Flow 3:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 204.551 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

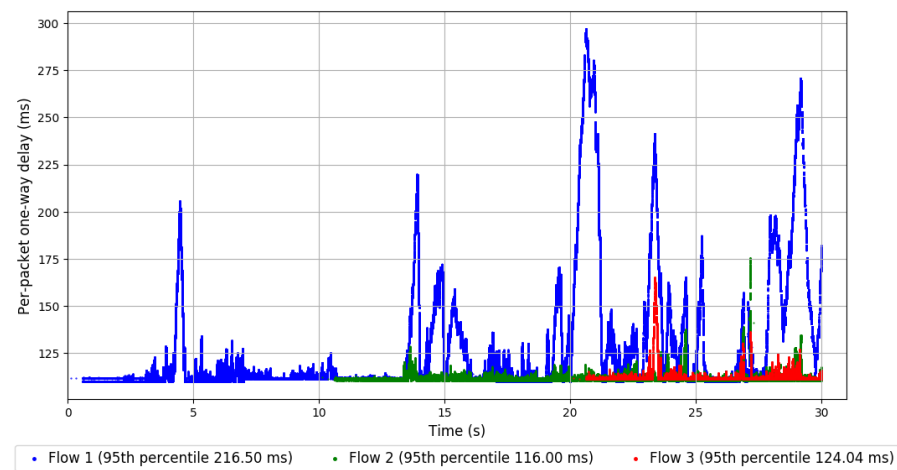
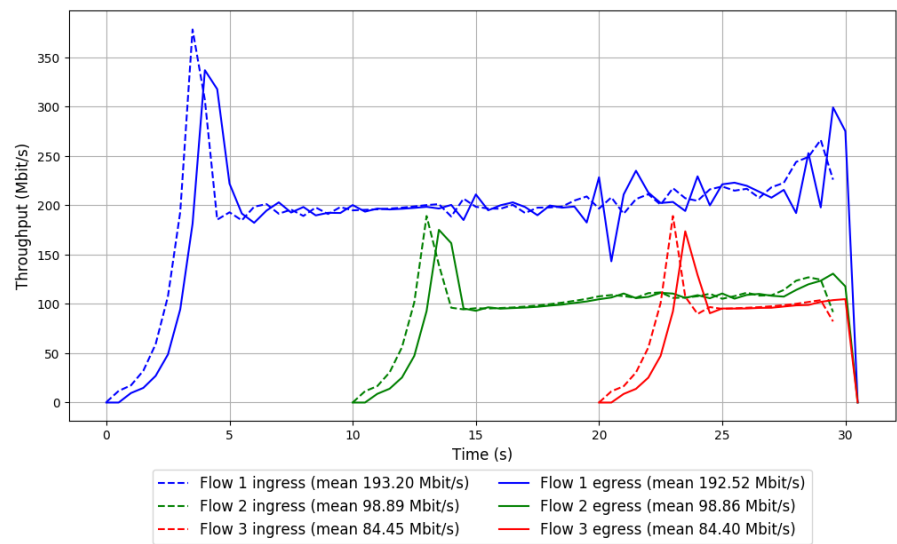


Run 5: Statistics of PCC-Expr

Start at: 2018-08-09 08:11:36
End at: 2018-08-09 08:12:06
Local clock offset: -0.1 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-09 12:37:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.12 Mbit/s
95th percentile per-packet one-way delay: 192.669 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 192.52 Mbit/s
95th percentile per-packet one-way delay: 216.500 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 98.86 Mbit/s
95th percentile per-packet one-way delay: 116.001 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 84.40 Mbit/s
95th percentile per-packet one-way delay: 124.039 ms
Loss rate: 0.05%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-08-09 08:38:03

End at: 2018-08-09 08:38:33

Local clock offset: -0.244 ms

Remote clock offset: 0.253 ms

Below is generated by plot.py at 2018-08-09 12:37:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.64 Mbit/s

95th percentile per-packet one-way delay: 193.304 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 138.31 Mbit/s

95th percentile per-packet one-way delay: 182.680 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 105.38 Mbit/s

95th percentile per-packet one-way delay: 168.851 ms

Loss rate: 0.01%

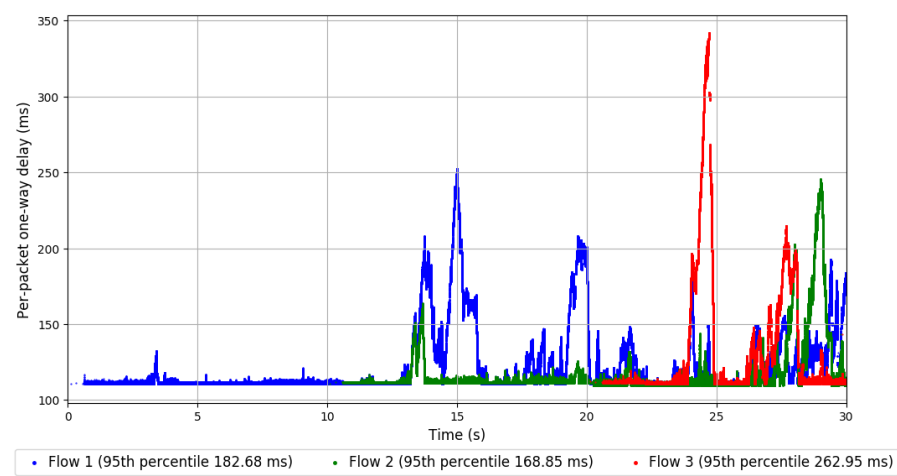
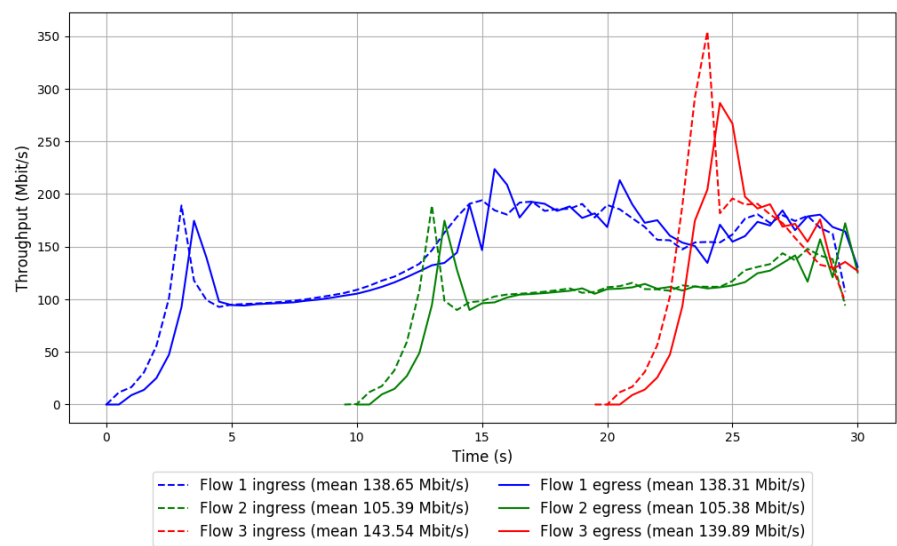
-- Flow 3:

Average throughput: 139.89 Mbit/s

95th percentile per-packet one-way delay: 262.951 ms

Loss rate: 2.55%

Run 6: Report of PCC-Expr — Data Link

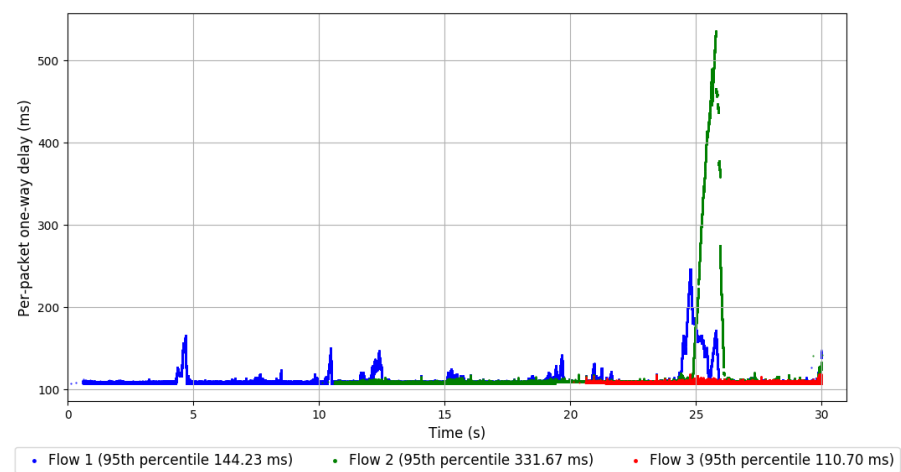
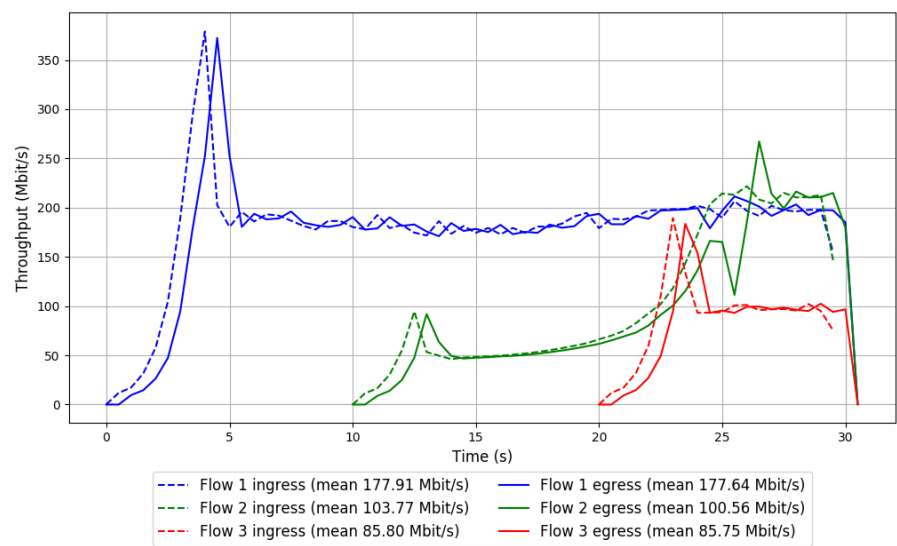


Run 7: Statistics of PCC-Expr

Start at: 2018-08-09 09:04:34
End at: 2018-08-09 09:05:04
Local clock offset: 1.023 ms
Remote clock offset: -0.495 ms

Below is generated by plot.py at 2018-08-09 12:38:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.84 Mbit/s
95th percentile per-packet one-way delay: 151.017 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 177.64 Mbit/s
95th percentile per-packet one-way delay: 144.231 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 100.56 Mbit/s
95th percentile per-packet one-way delay: 331.665 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 110.700 ms
Loss rate: 0.03%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-09 09:30:48

End at: 2018-08-09 09:31:18

Local clock offset: 0.167 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-08-09 12:41:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.25 Mbit/s

95th percentile per-packet one-way delay: 220.461 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 192.37 Mbit/s

95th percentile per-packet one-way delay: 238.103 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 158.04 Mbit/s

95th percentile per-packet one-way delay: 198.800 ms

Loss rate: 0.47%

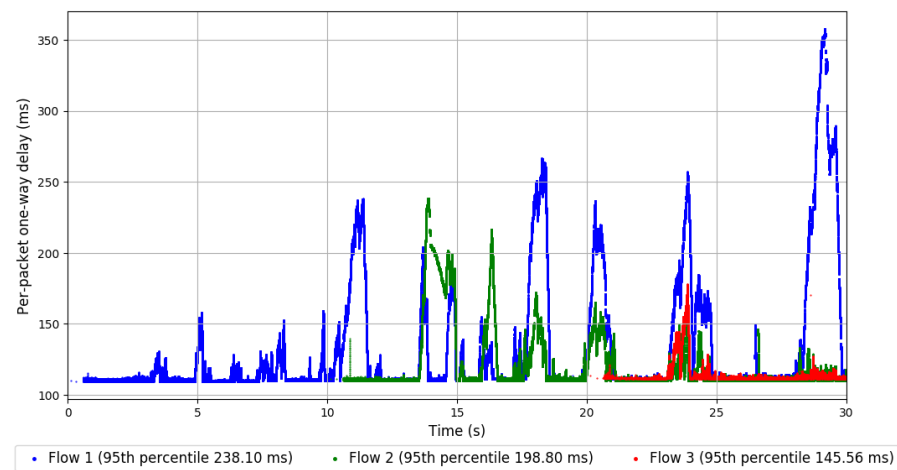
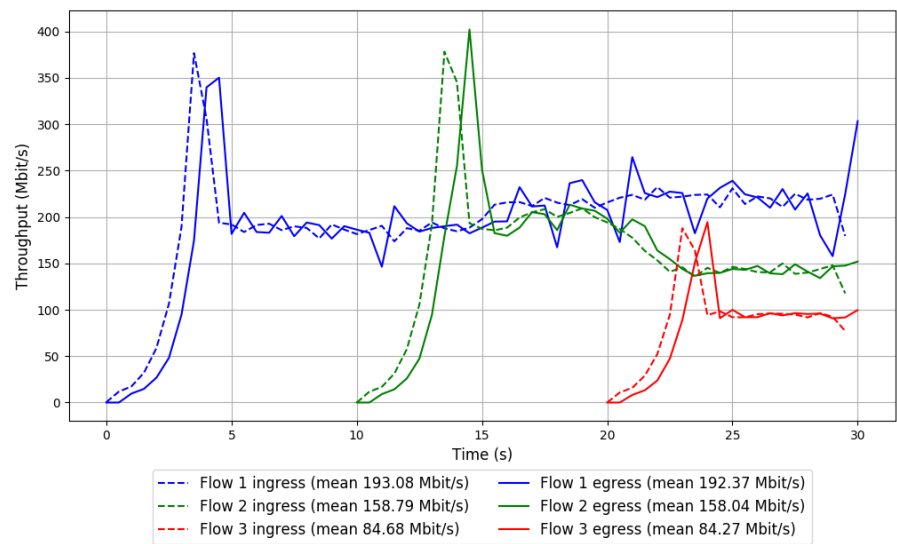
-- Flow 3:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 145.564 ms

Loss rate: 0.53%

Run 8: Report of PCC-Expr — Data Link

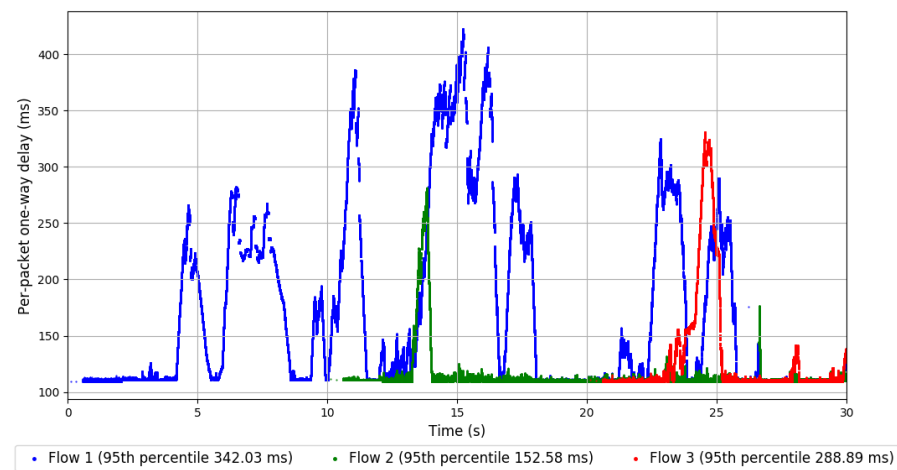
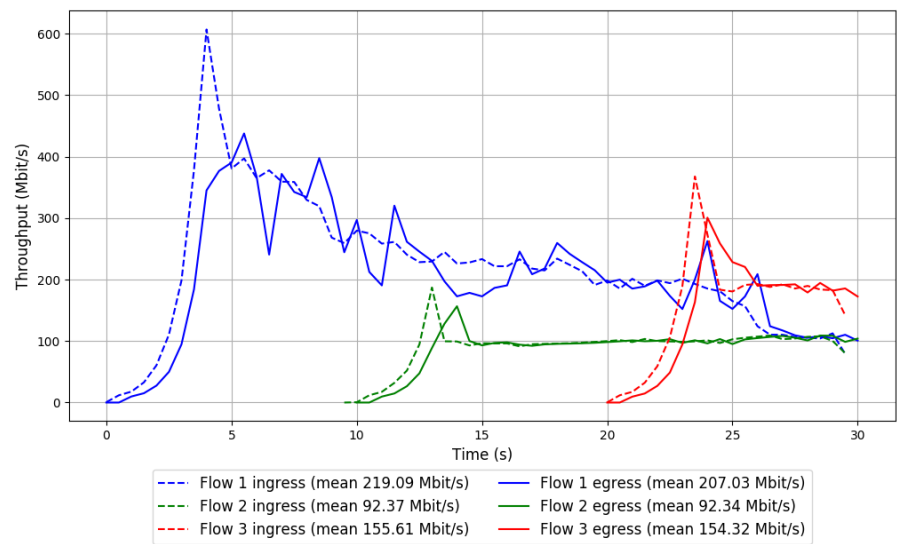


Run 9: Statistics of PCC-Expr

Start at: 2018-08-09 09:57:31
End at: 2018-08-09 09:58:01
Local clock offset: 0.644 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-08-09 12:41:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.40 Mbit/s
95th percentile per-packet one-way delay: 310.226 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 207.03 Mbit/s
95th percentile per-packet one-way delay: 342.028 ms
Loss rate: 5.50%
-- Flow 2:
Average throughput: 92.34 Mbit/s
95th percentile per-packet one-way delay: 152.582 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 154.32 Mbit/s
95th percentile per-packet one-way delay: 288.886 ms
Loss rate: 0.82%

Run 9: Report of PCC-Expr — Data Link

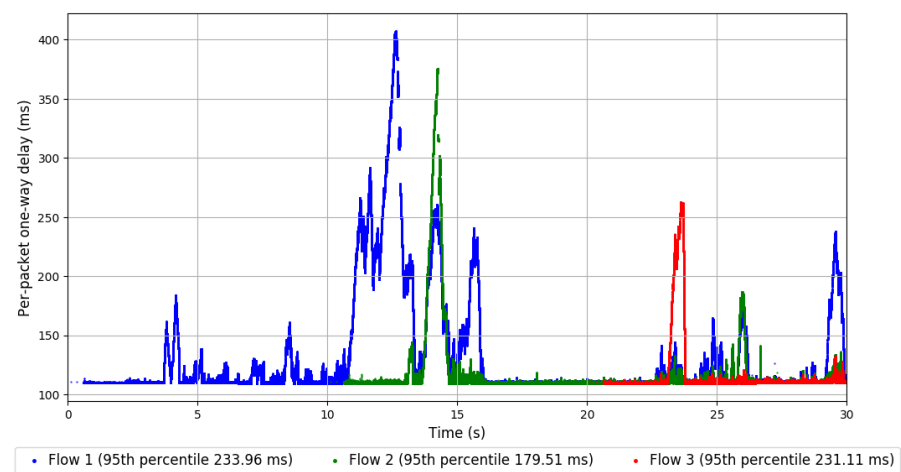
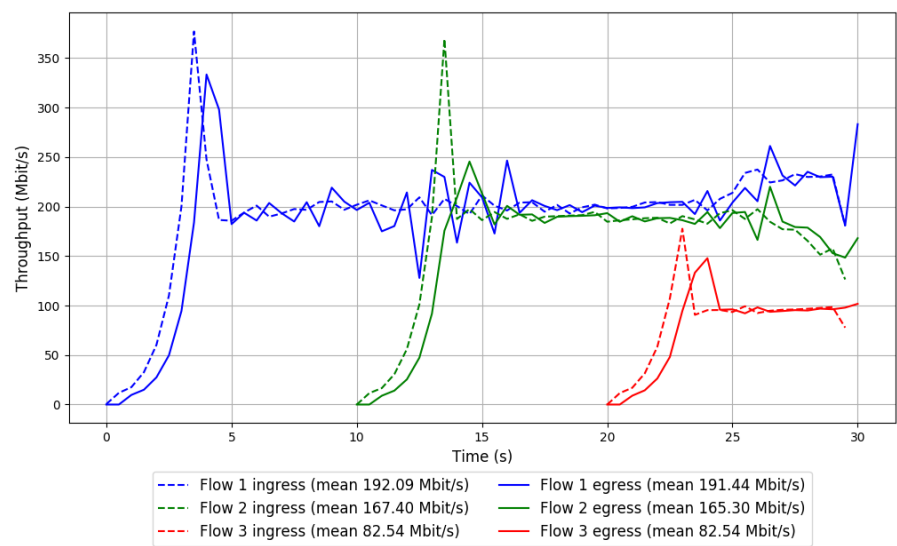


Run 10: Statistics of PCC-Expr

Start at: 2018-08-09 10:24:37
End at: 2018-08-09 10:25:07
Local clock offset: 0.031 ms
Remote clock offset: -0.771 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.59 Mbit/s
95th percentile per-packet one-way delay: 227.783 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 191.44 Mbit/s
95th percentile per-packet one-way delay: 233.957 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 165.30 Mbit/s
95th percentile per-packet one-way delay: 179.512 ms
Loss rate: 1.26%
-- Flow 3:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 231.107 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

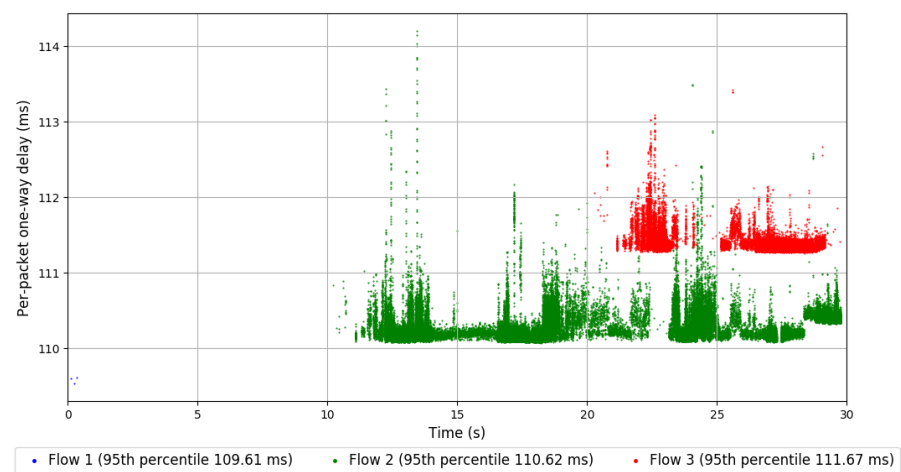
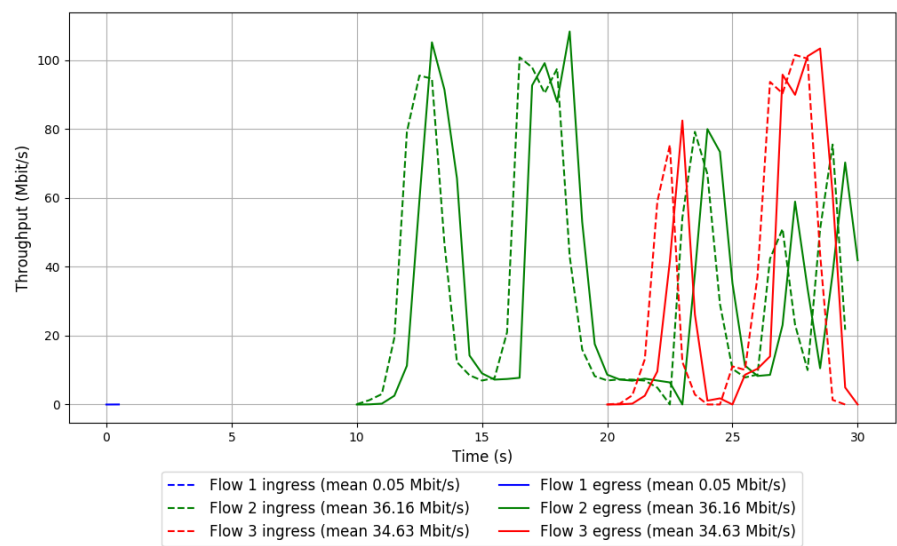


Run 1: Statistics of QUIC Cubic

Start at: 2018-08-09 06:15:14
End at: 2018-08-09 06:15:44
Local clock offset: -0.386 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.90 Mbit/s
95th percentile per-packet one-way delay: 111.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 109.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.16 Mbit/s
95th percentile per-packet one-way delay: 110.621 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.63 Mbit/s
95th percentile per-packet one-way delay: 111.672 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

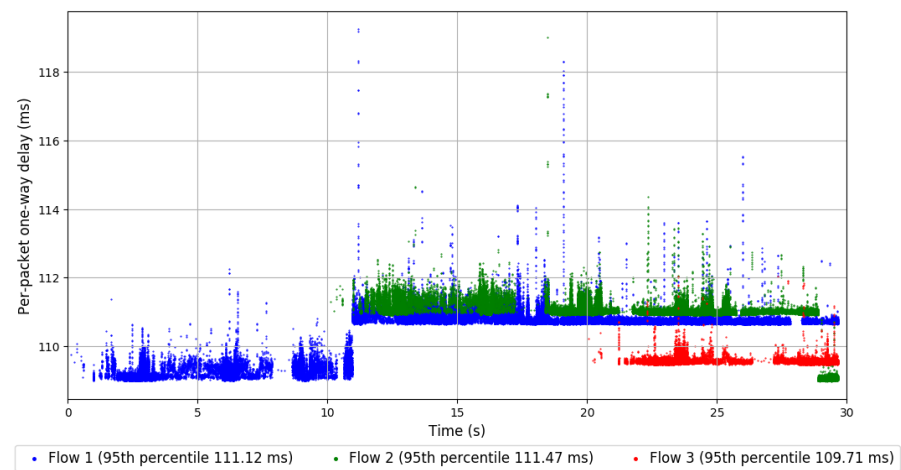
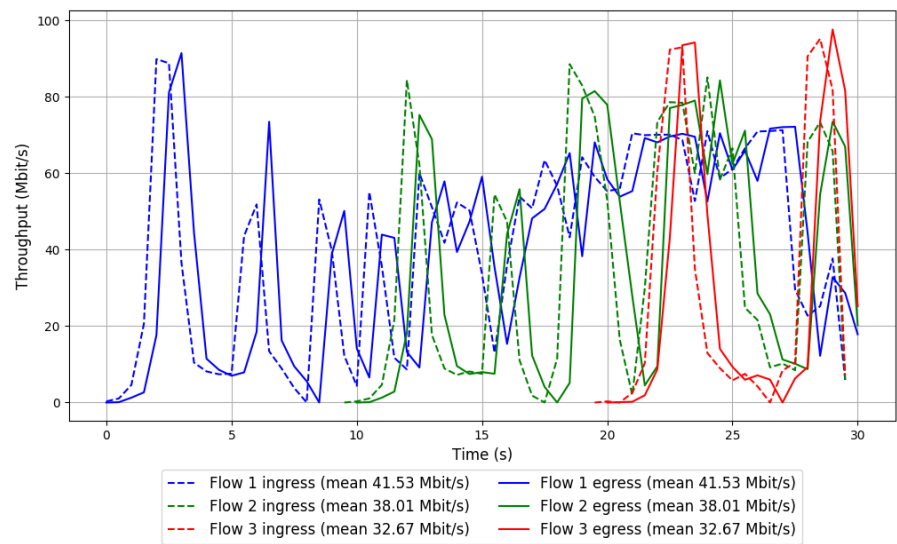


Run 2: Statistics of QUIC Cubic

Start at: 2018-08-09 06:41:34
End at: 2018-08-09 06:42:04
Local clock offset: -0.093 ms
Remote clock offset: -0.499 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.30 Mbit/s
95th percentile per-packet one-way delay: 111.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 111.122 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.01 Mbit/s
95th percentile per-packet one-way delay: 111.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 109.712 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

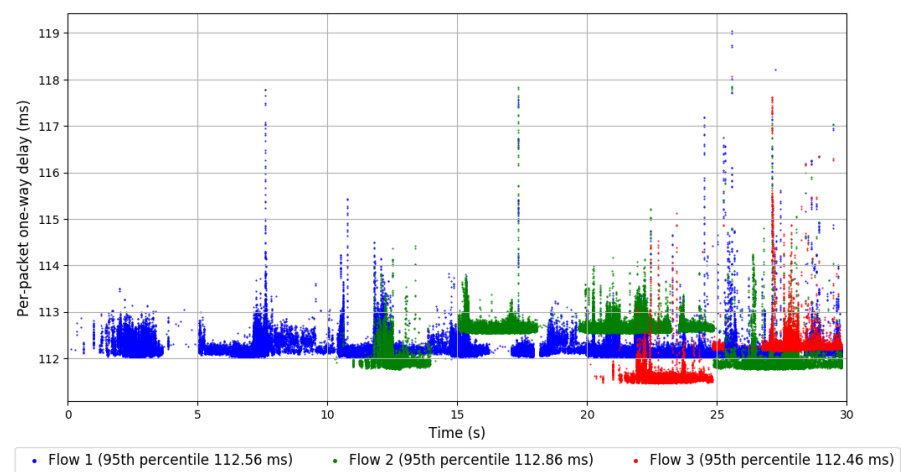
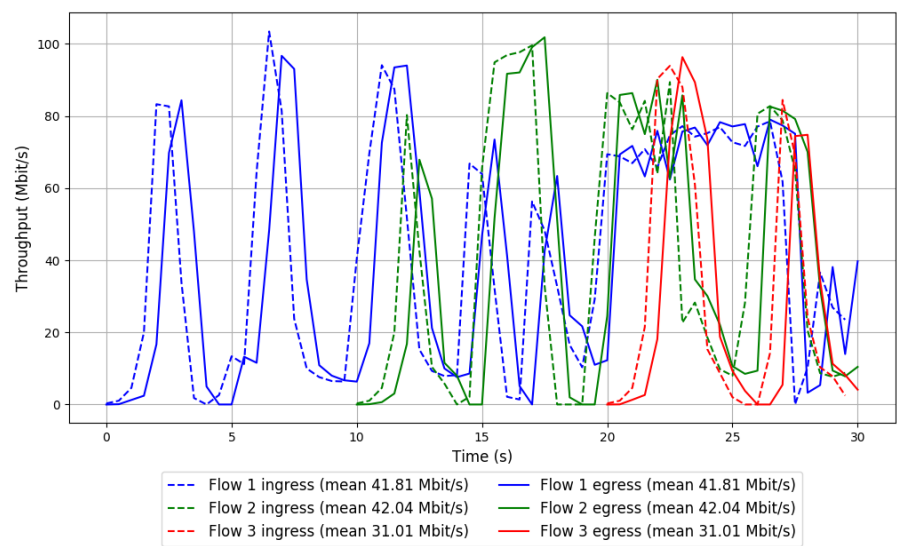


Run 3: Statistics of QUIC Cubic

Start at: 2018-08-09 07:08:18
End at: 2018-08-09 07:08:48
Local clock offset: -1.397 ms
Remote clock offset: -0.399 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.77 Mbit/s
95th percentile per-packet one-way delay: 112.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 41.81 Mbit/s
95th percentile per-packet one-way delay: 112.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.04 Mbit/s
95th percentile per-packet one-way delay: 112.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 112.456 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-09 07:35:11

End at: 2018-08-09 07:35:41

Local clock offset: 0.013 ms

Remote clock offset: 0.264 ms

Below is generated by plot.py at 2018-08-09 12:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.93 Mbit/s

95th percentile per-packet one-way delay: 111.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.03 Mbit/s

95th percentile per-packet one-way delay: 110.958 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 111.875 ms

Loss rate: 0.00%

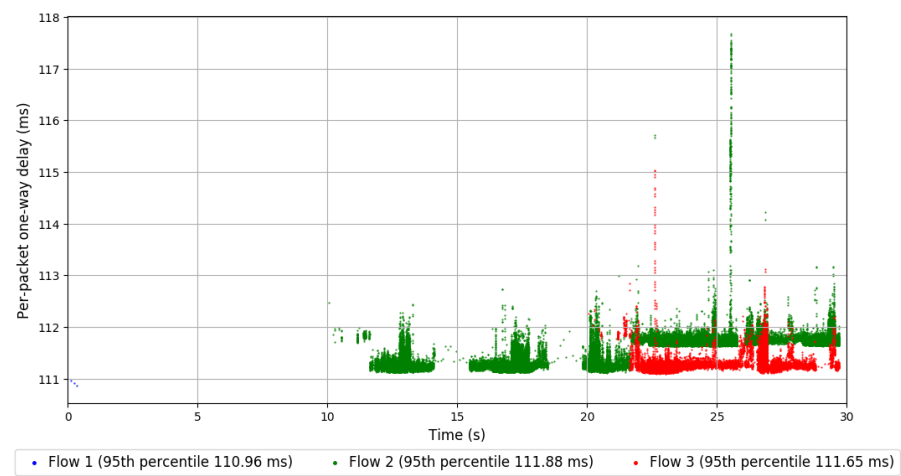
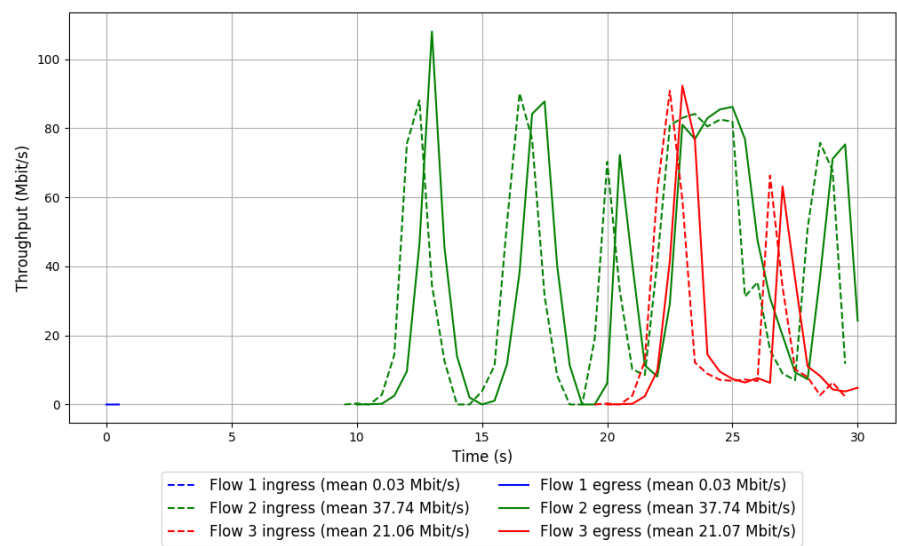
-- Flow 3:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 111.653 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

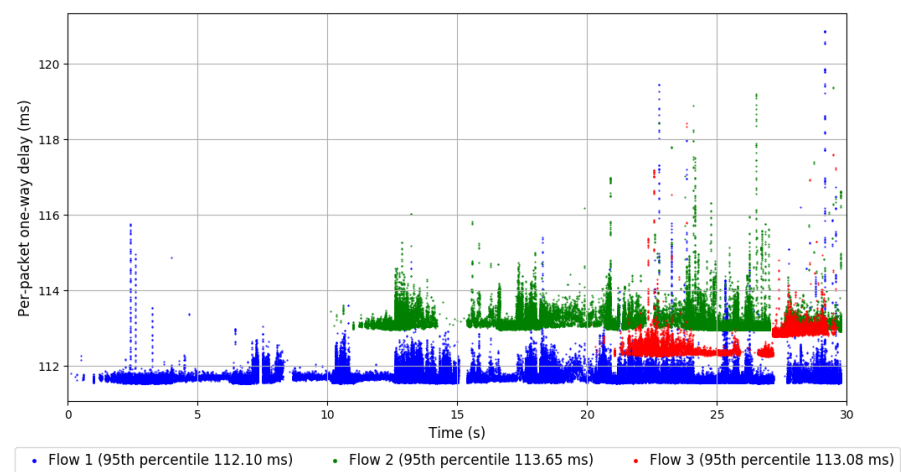
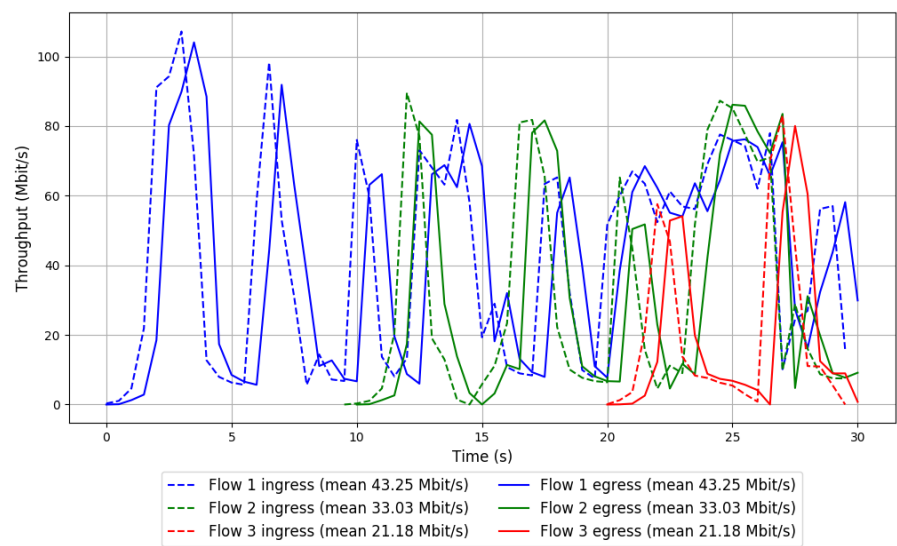


Run 5: Statistics of QUIC Cubic

Start at: 2018-08-09 08:02:06
End at: 2018-08-09 08:02:36
Local clock offset: -1.493 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 113.346 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.25 Mbit/s
95th percentile per-packet one-way delay: 112.100 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.03 Mbit/s
95th percentile per-packet one-way delay: 113.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.18 Mbit/s
95th percentile per-packet one-way delay: 113.082 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-08-09 08:28:38

End at: 2018-08-09 08:29:08

Local clock offset: -0.072 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-08-09 12:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.83 Mbit/s

95th percentile per-packet one-way delay: 111.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 111.938 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 111.407 ms

Loss rate: 0.00%

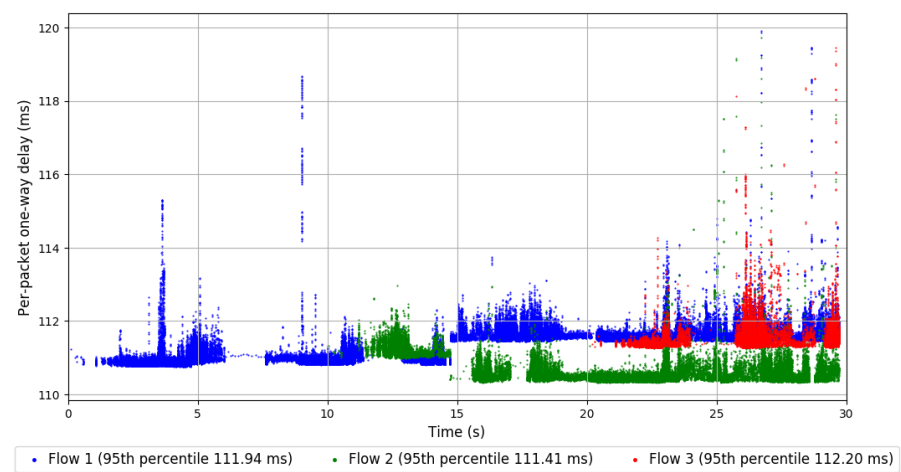
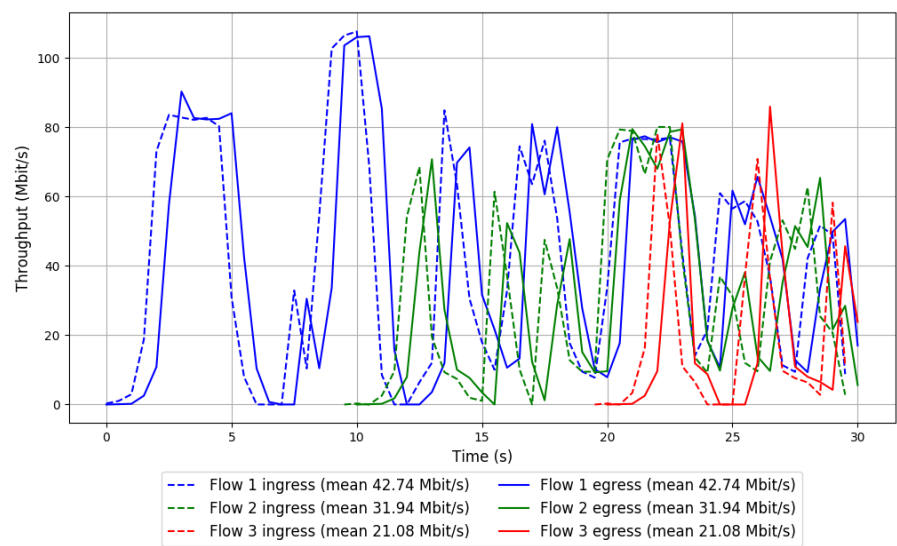
-- Flow 3:

Average throughput: 21.08 Mbit/s

95th percentile per-packet one-way delay: 112.198 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

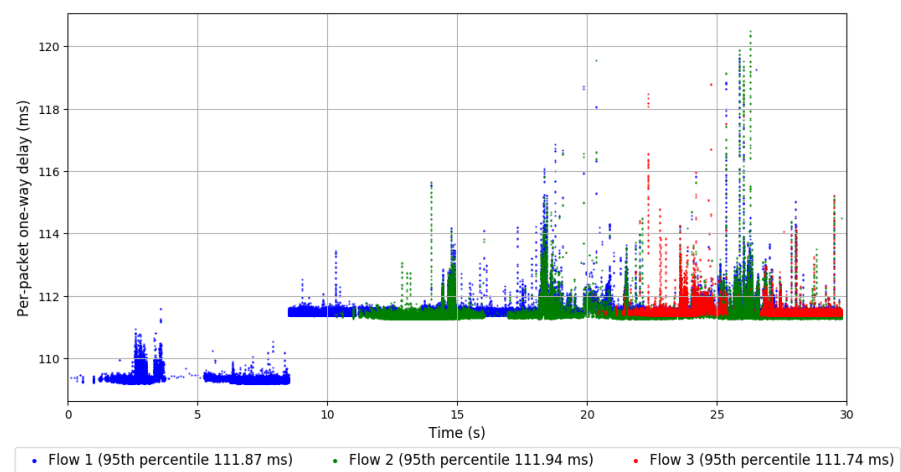
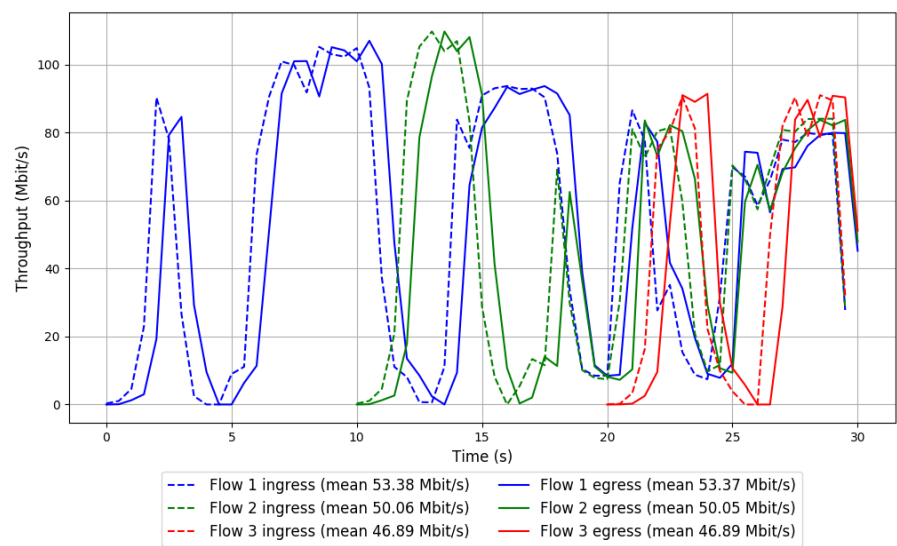


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-09 08:54:56
End at: 2018-08-09 08:55:26
Local clock offset: -0.077 ms
Remote clock offset: -0.125 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 101.65 Mbit/s
95th percentile per-packet one-way delay: 111.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 111.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 111.937 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 46.89 Mbit/s
95th percentile per-packet one-way delay: 111.738 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

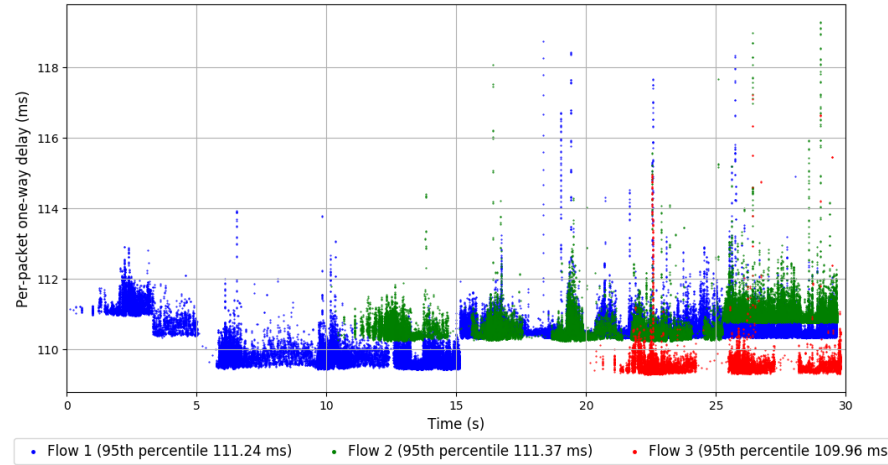
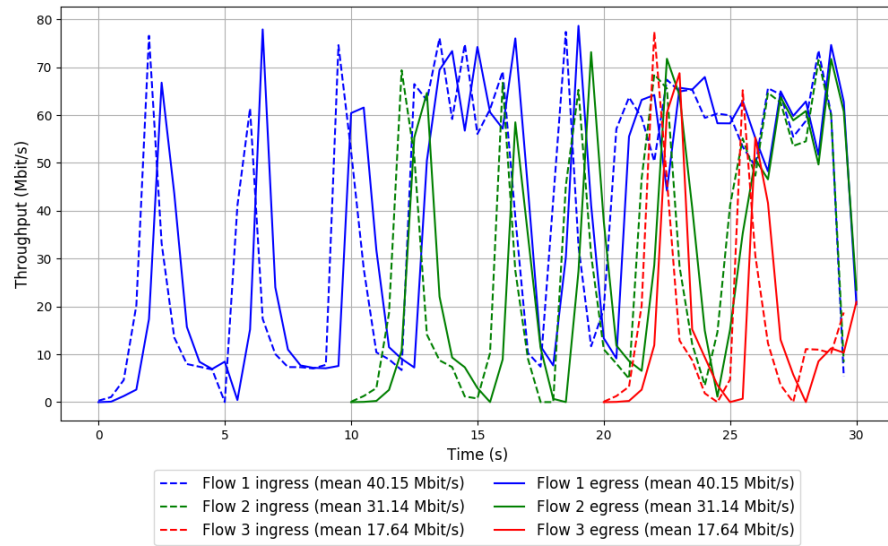


Run 8: Statistics of QUIC Cubic

Start at: 2018-08-09 09:21:28
End at: 2018-08-09 09:21:58
Local clock offset: 0.078 ms
Remote clock offset: -0.588 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 111.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 111.238 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.14 Mbit/s
95th percentile per-packet one-way delay: 111.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 109.960 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

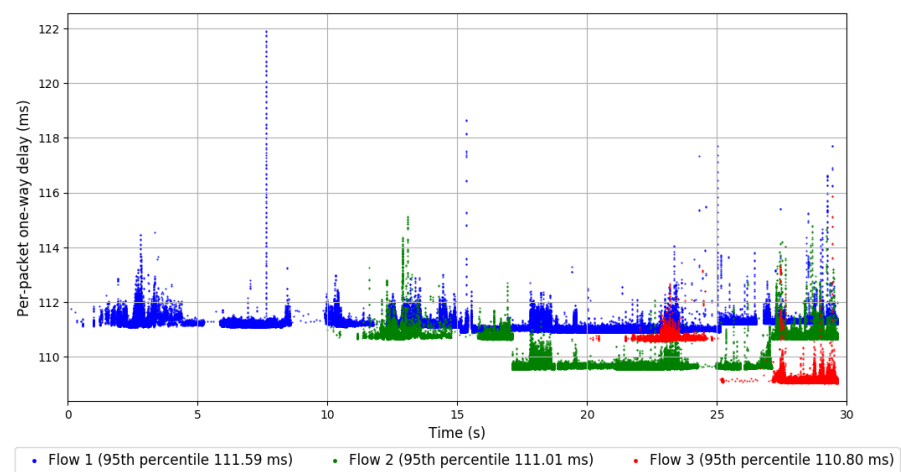
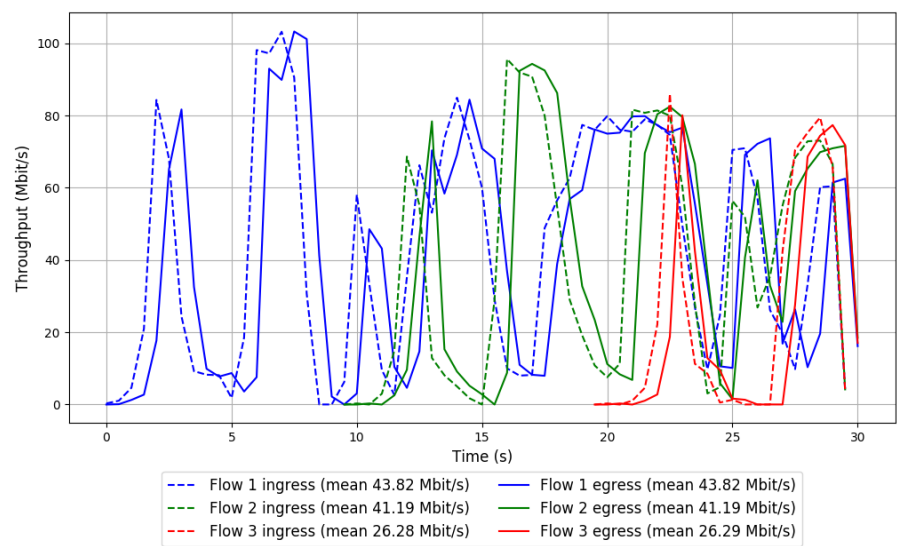


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-09 09:47:58
End at: 2018-08-09 09:48:28
Local clock offset: -0.157 ms
Remote clock offset: -0.899 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.85 Mbit/s
95th percentile per-packet one-way delay: 111.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.82 Mbit/s
95th percentile per-packet one-way delay: 111.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 111.006 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.29 Mbit/s
95th percentile per-packet one-way delay: 110.795 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

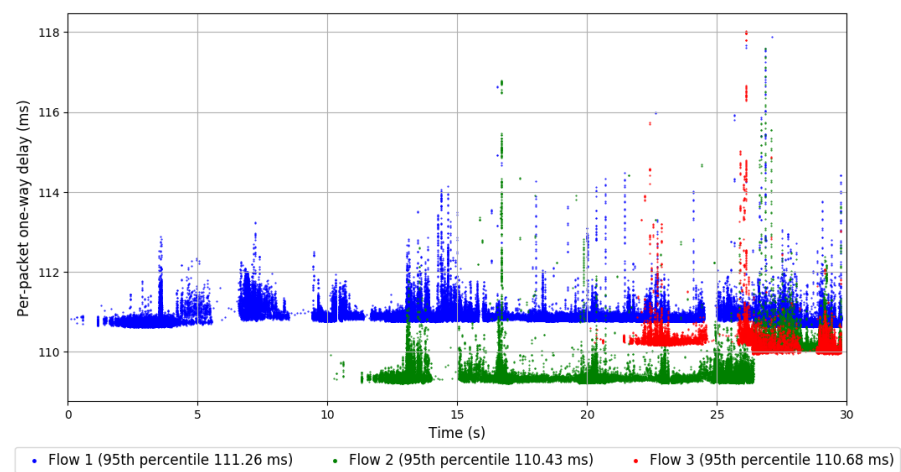
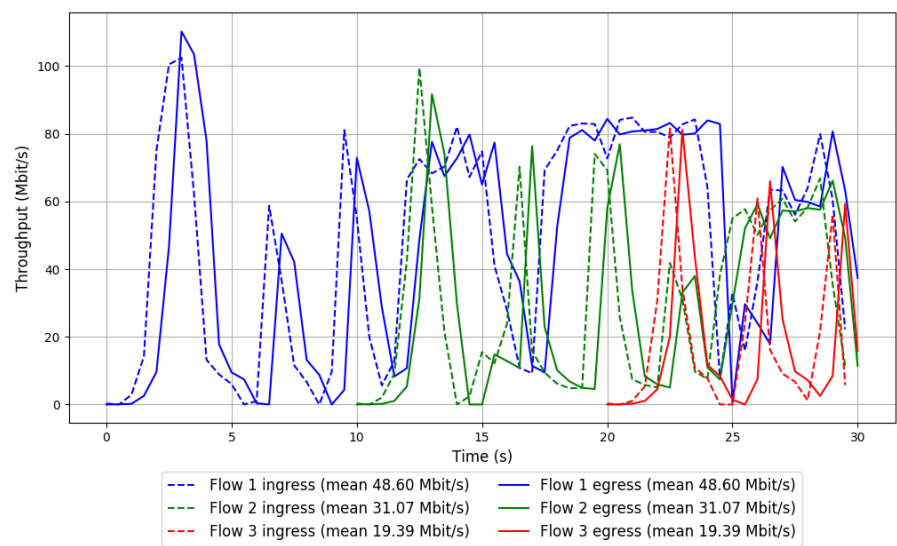


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-09 10:14:57
End at: 2018-08-09 10:15:27
Local clock offset: -0.32 ms
Remote clock offset: -1.149 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.50 Mbit/s
95th percentile per-packet one-way delay: 111.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.60 Mbit/s
95th percentile per-packet one-way delay: 111.256 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 110.427 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.39 Mbit/s
95th percentile per-packet one-way delay: 110.677 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

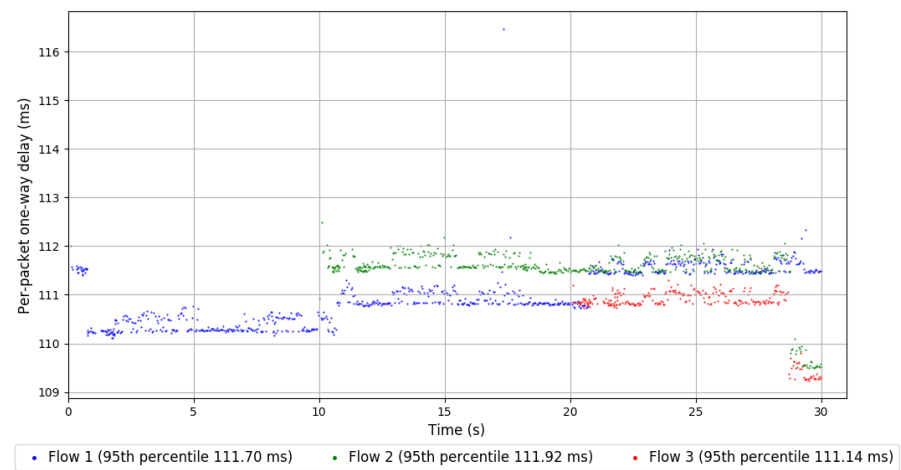
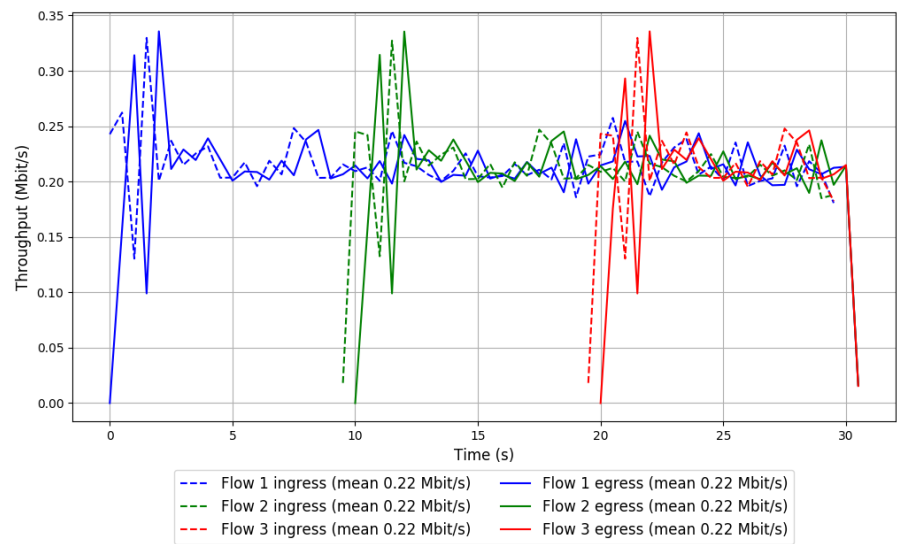


```
Run 1: Statistics of SCReAM

Start at: 2018-08-09 06:12:24
End at: 2018-08-09 06:12:54
Local clock offset: -0.003 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.140 ms
Loss rate: 0.00%
```


Run 1: Report of SCReAM — Data Link

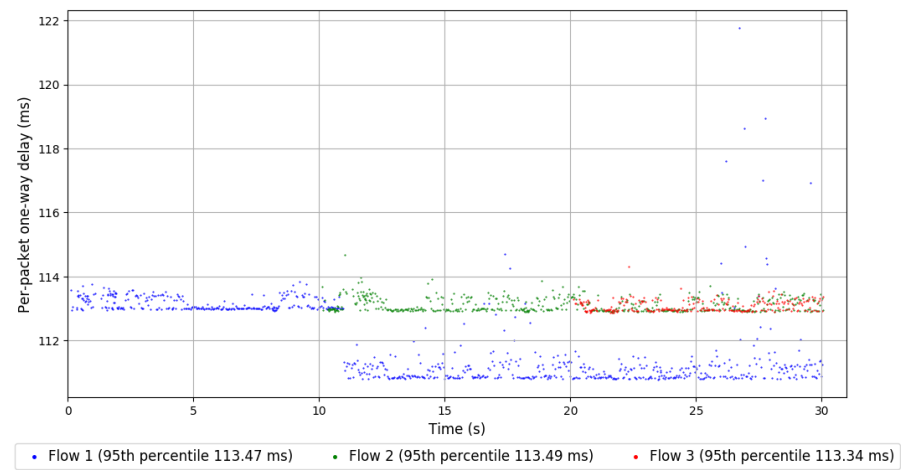
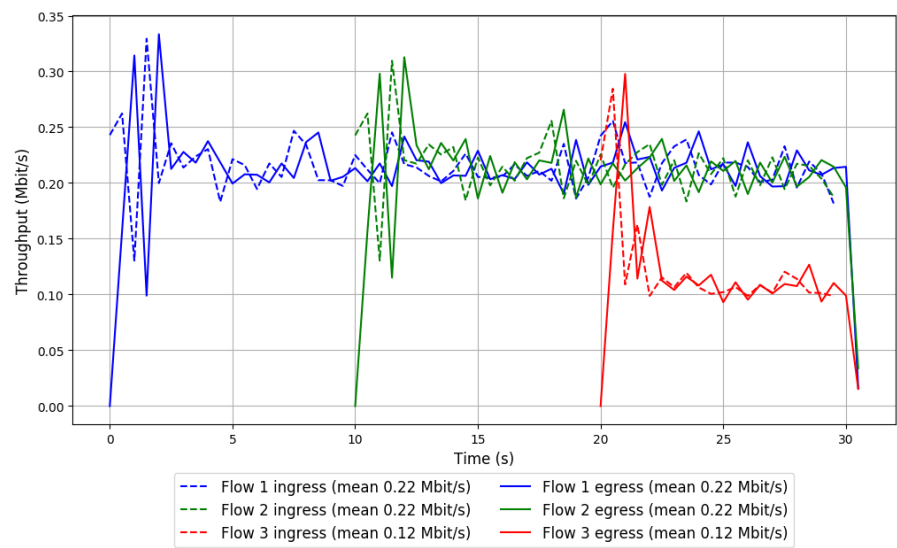


Run 2: Statistics of SCReAM

Start at: 2018-08-09 06:38:44
End at: 2018-08-09 06:39:14
Local clock offset: -1.526 ms
Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 113.465 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.488 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 113.337 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-08-09 07:05:24

End at: 2018-08-09 07:05:54

Local clock offset: 0.092 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-08-09 12:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 111.699 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.662 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.807 ms

Loss rate: 0.00%

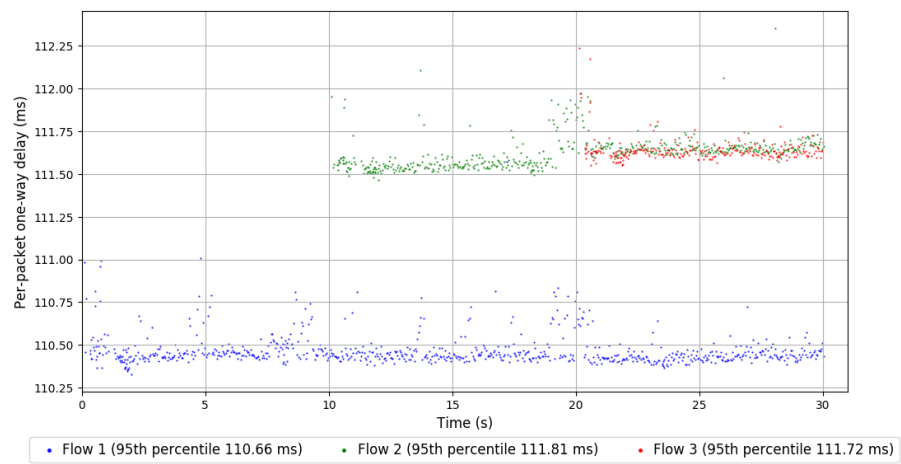
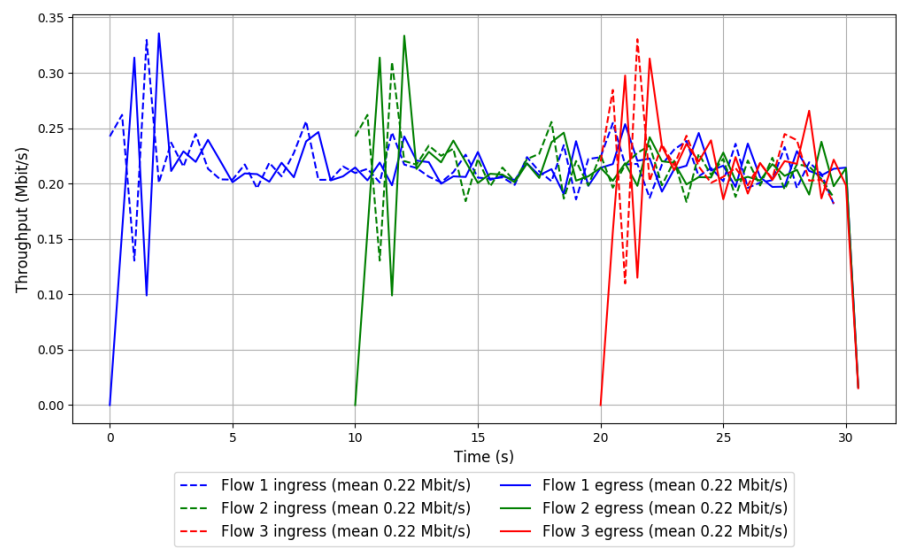
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.717 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

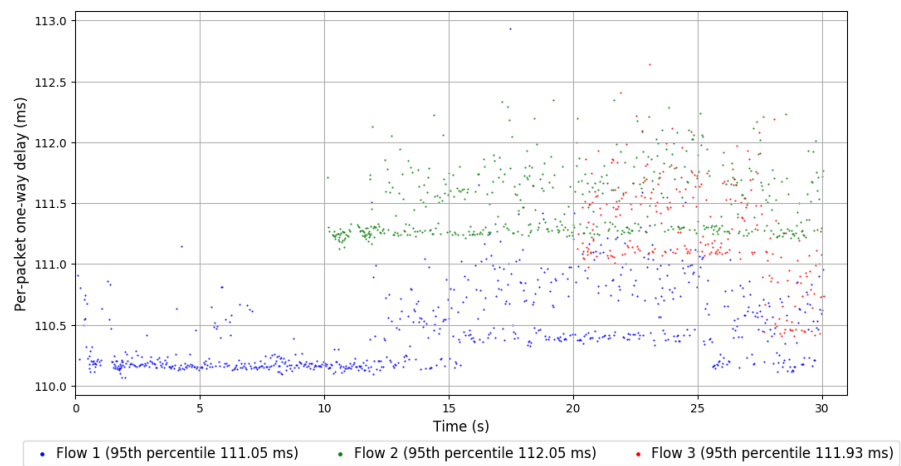
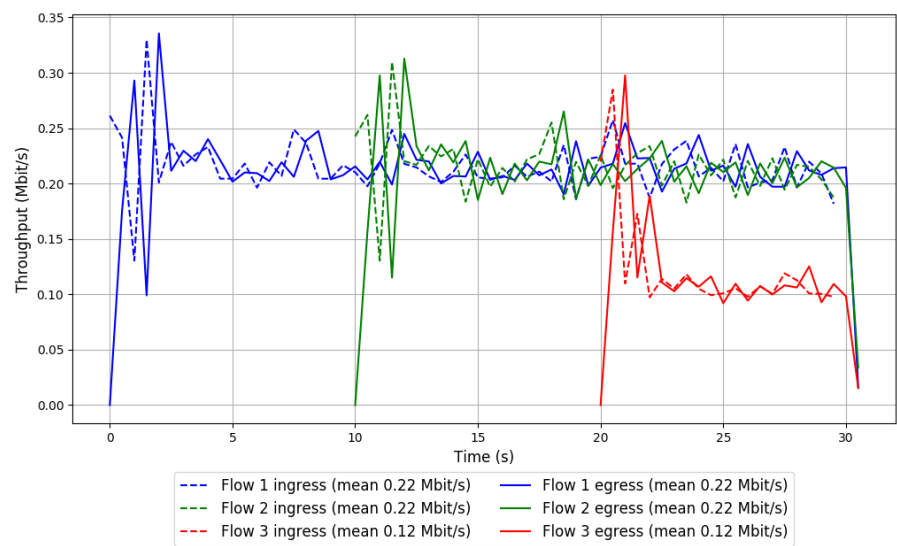


Run 4: Statistics of SCReAM

Start at: 2018-08-09 07:32:18
End at: 2018-08-09 07:32:48
Local clock offset: -0.122 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.046 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.047 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 111.932 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-08-09 07:59:09

End at: 2018-08-09 07:59:39

Local clock offset: -0.194 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-08-09 12:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 112.154 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.757 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.411 ms

Loss rate: 0.00%

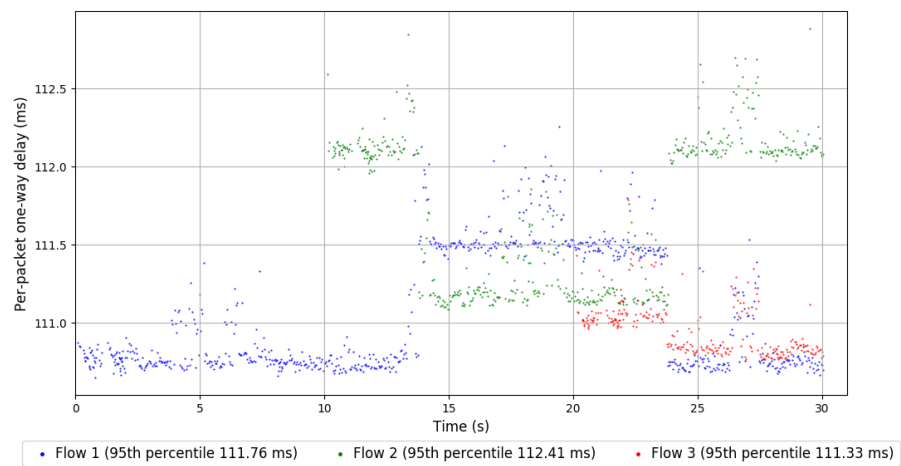
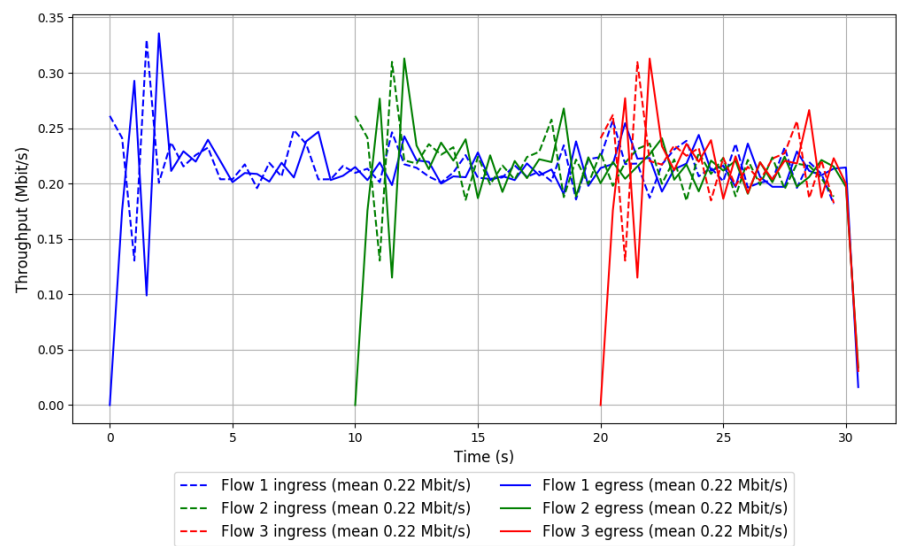
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.332 ms

Loss rate: 0.00%

Run 5: Report of SCReAM — Data Link

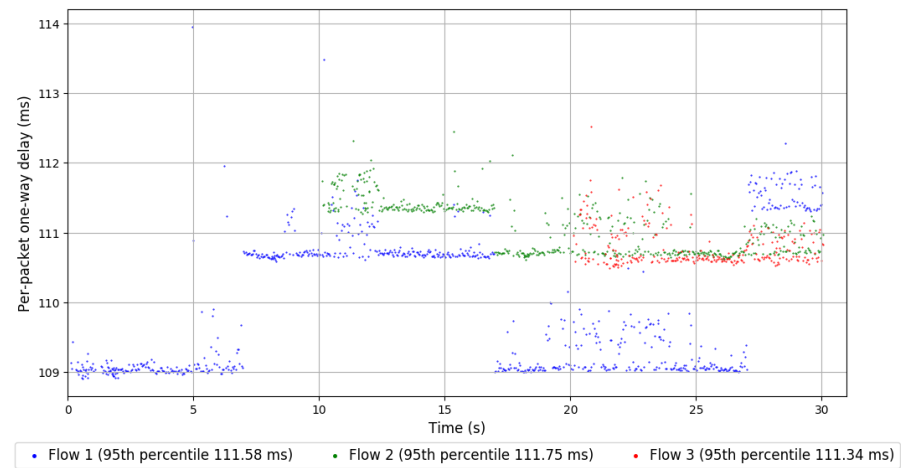
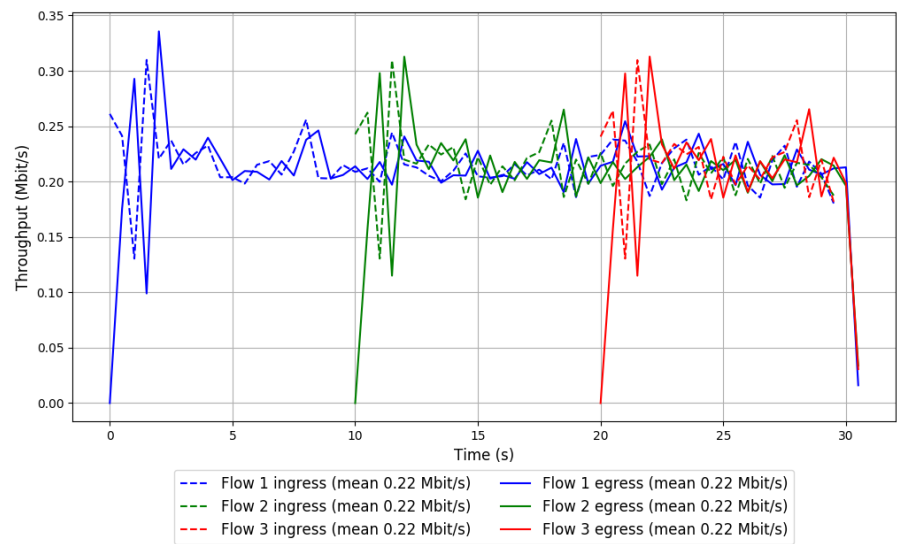


Run 6: Statistics of SReAM

Start at: 2018-08-09 08:25:46
End at: 2018-08-09 08:26:16
Local clock offset: 0.197 ms
Remote clock offset: -0.247 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.745 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.339 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

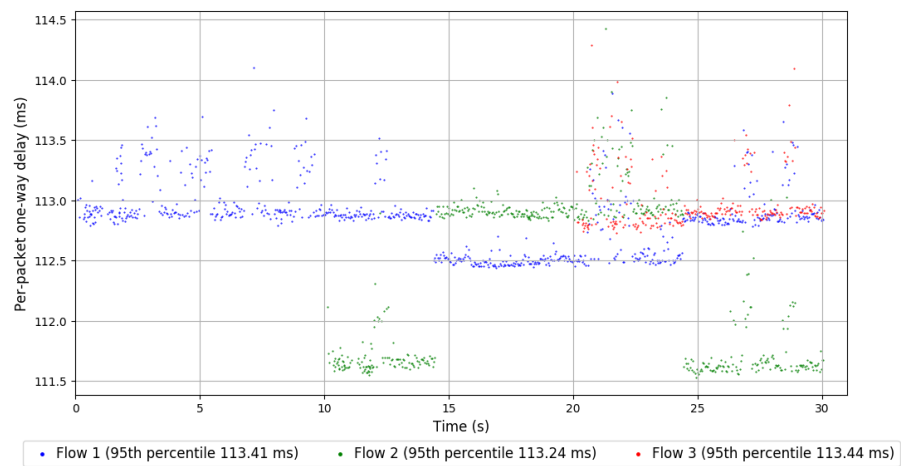
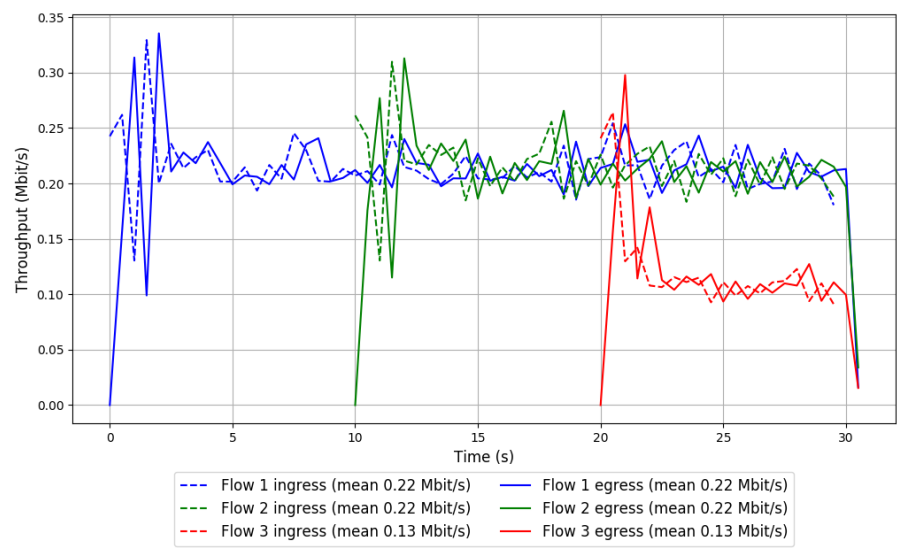


Run 7: Statistics of SReAM

Start at: 2018-08-09 08:52:09
End at: 2018-08-09 08:52:39
Local clock offset: -1.366 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 113.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 113.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 113.443 ms
Loss rate: 0.00%

Run 7: Report of SCSReAM — Data Link

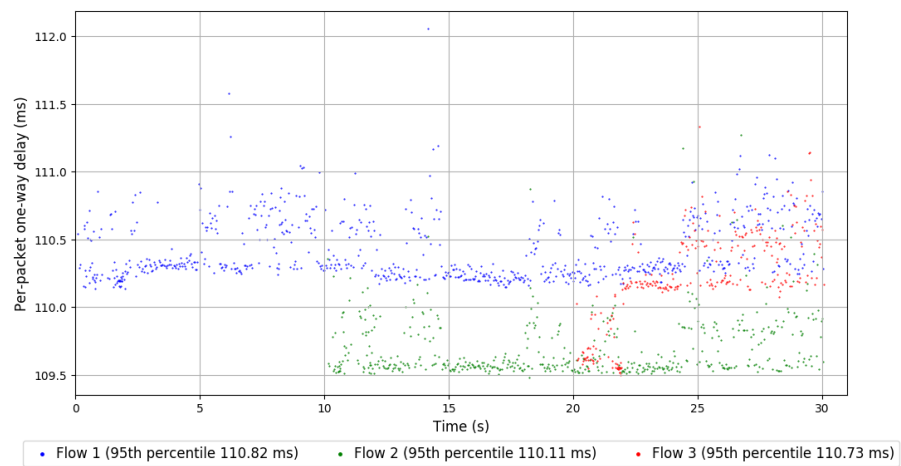
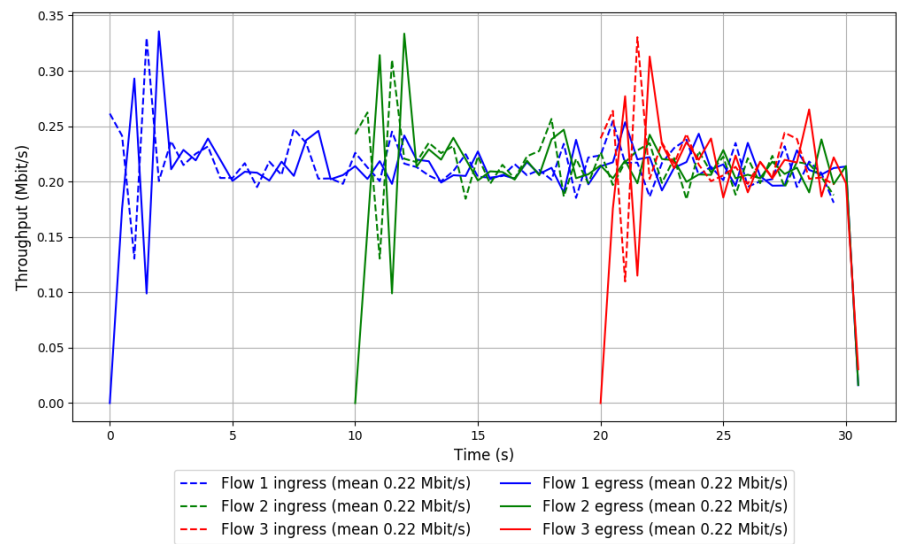


Run 8: Statistics of SReAM

Start at: 2018-08-09 09:18:41
End at: 2018-08-09 09:19:11
Local clock offset: 0.968 ms
Remote clock offset: -0.592 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 110.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.822 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.105 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.726 ms
Loss rate: 0.00%

Run 8: Report of SCSReAM — Data Link

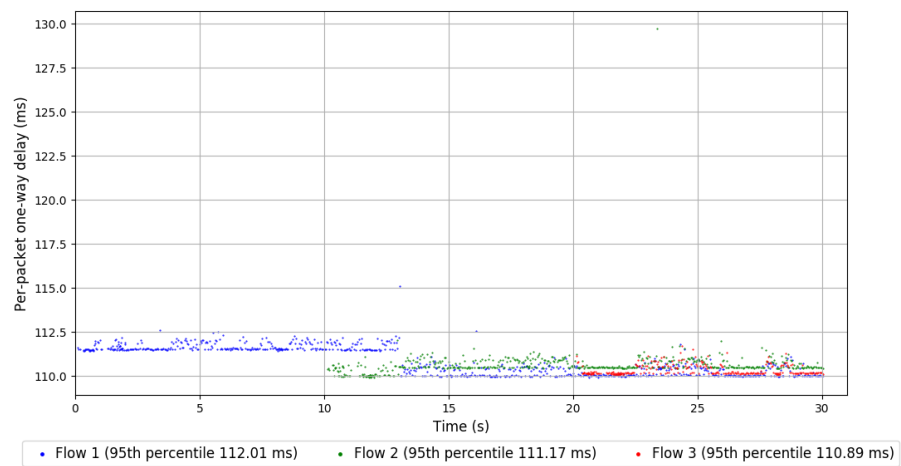
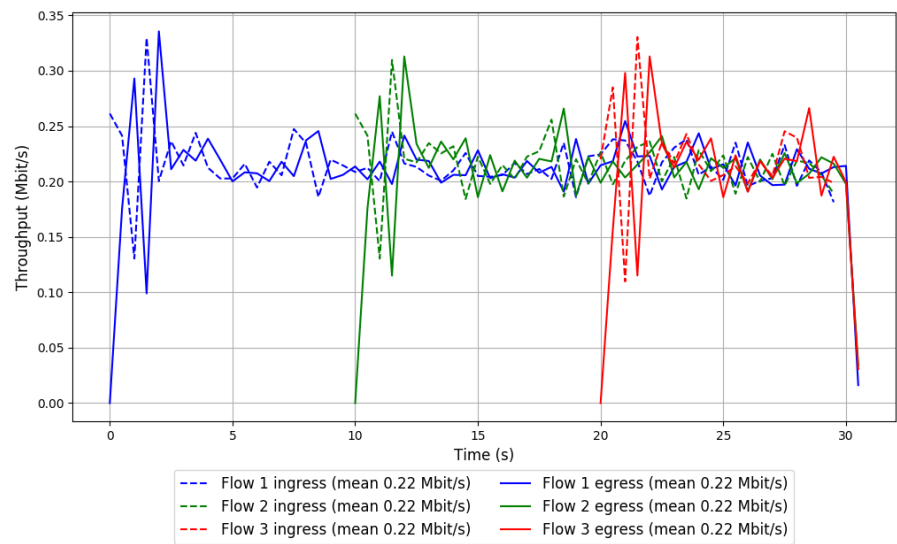


Run 9: Statistics of SReAM

Start at: 2018-08-09 09:45:12
End at: 2018-08-09 09:45:42
Local clock offset: -0.041 ms
Remote clock offset: -0.554 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 111.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.011 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.165 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.891 ms
Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-08-09 10:12:02

End at: 2018-08-09 10:12:32

Local clock offset: 0.005 ms

Remote clock offset: -1.06 ms

Below is generated by plot.py at 2018-08-09 12:44:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 111.133 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 111.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.687 ms

Loss rate: 0.00%

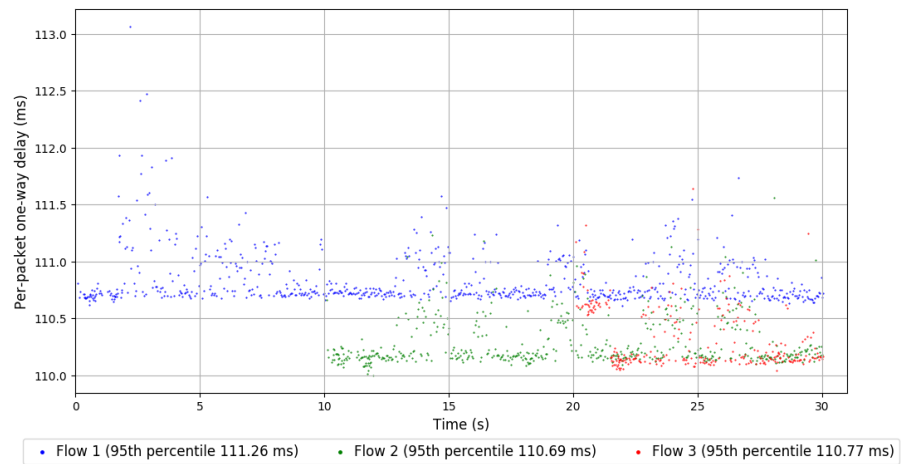
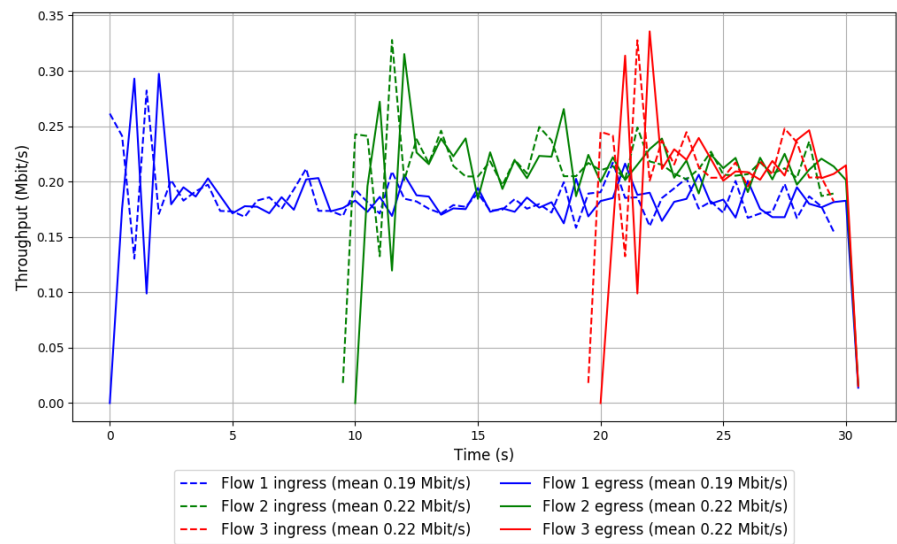
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.765 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

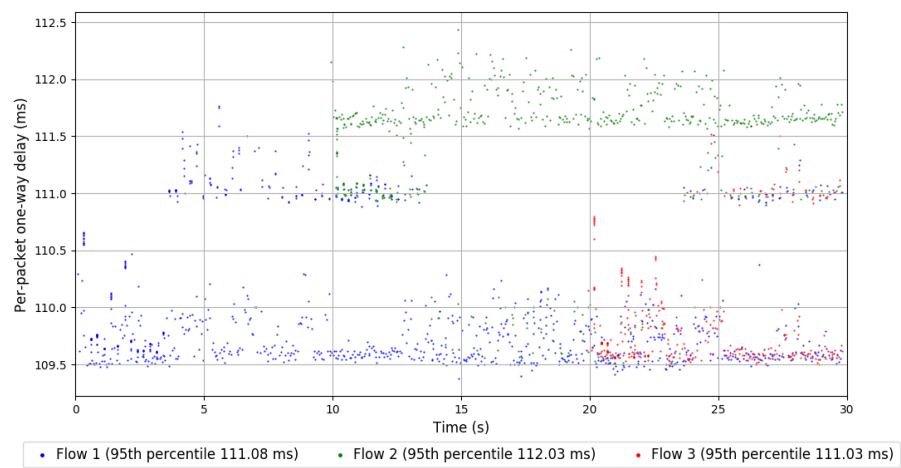
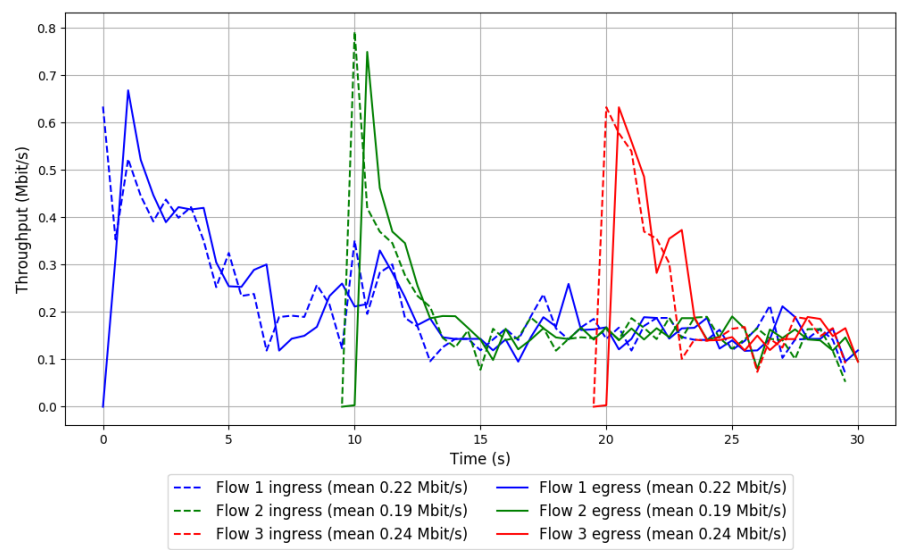


Run 1: Statistics of Sprout

Start at: 2018-08-09 06:21:49
End at: 2018-08-09 06:22:19
Local clock offset: -0.159 ms
Remote clock offset: -0.14 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 111.870 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.085 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.035 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 111.027 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

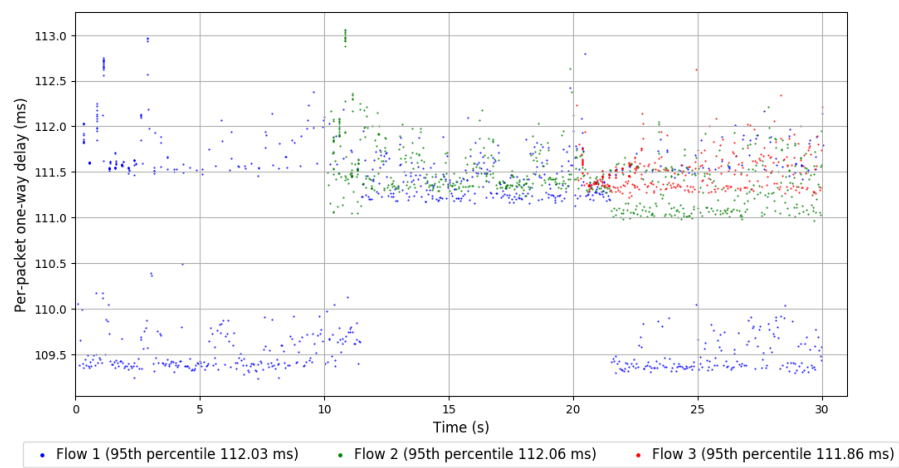
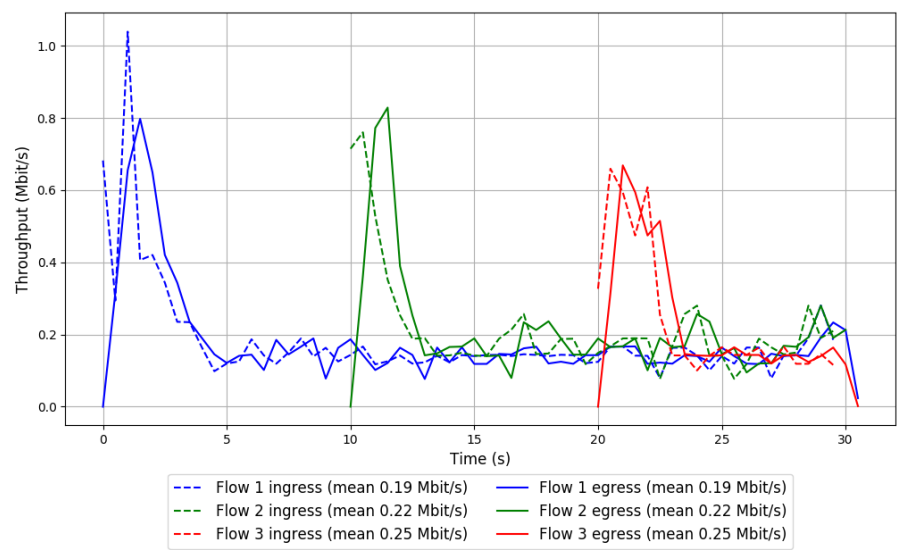


Run 2: Statistics of Sprout

Start at: 2018-08-09 06:48:12
End at: 2018-08-09 06:48:42
Local clock offset: 0.038 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 111.863 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

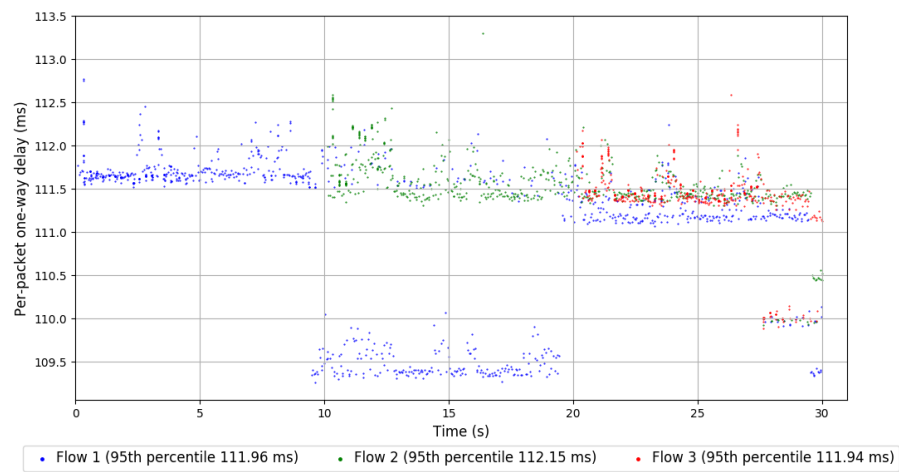
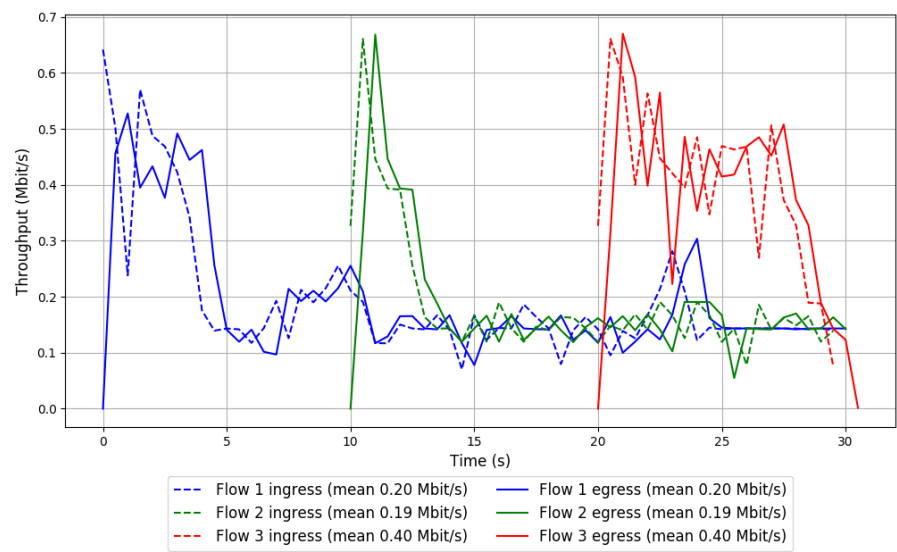


Run 3: Statistics of Sprout

Start at: 2018-08-09 07:14:56
End at: 2018-08-09 07:15:26
Local clock offset: 0.017 ms
Remote clock offset: -0.089 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 112.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.147 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 111.939 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

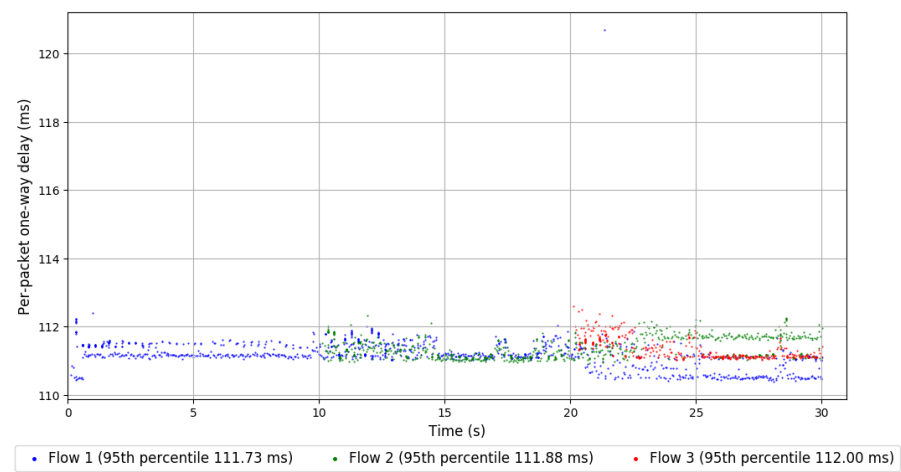
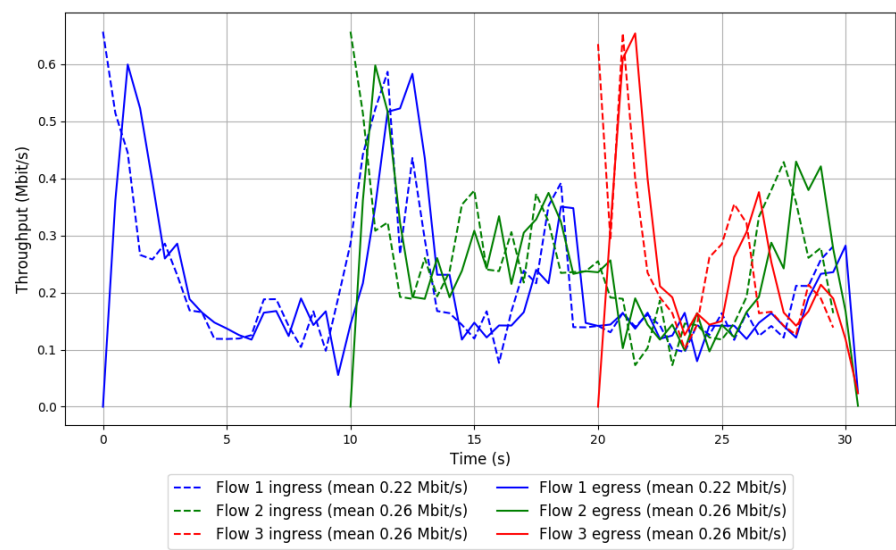


Run 4: Statistics of Sprout

Start at: 2018-08-09 07:41:53
End at: 2018-08-09 07:42:23
Local clock offset: -0.033 ms
Remote clock offset: -0.115 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 111.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 111.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 111.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.001 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

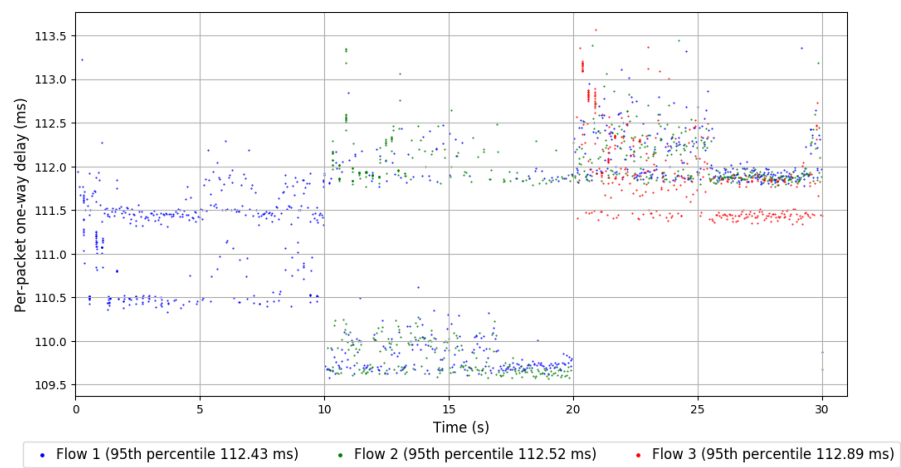
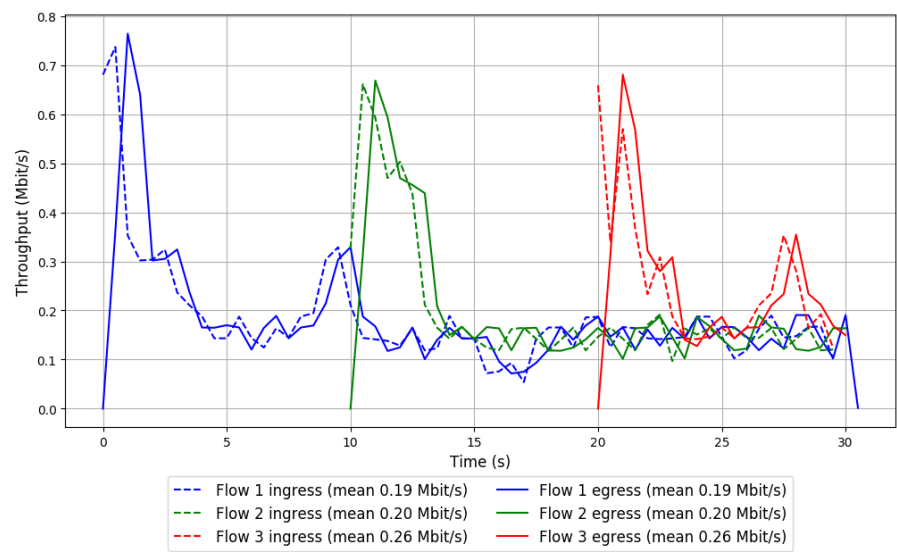


Run 5: Statistics of Sprout

Start at: 2018-08-09 08:08:43
End at: 2018-08-09 08:09:13
Local clock offset: -0.386 ms
Remote clock offset: -0.127 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 112.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.523 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 112.888 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

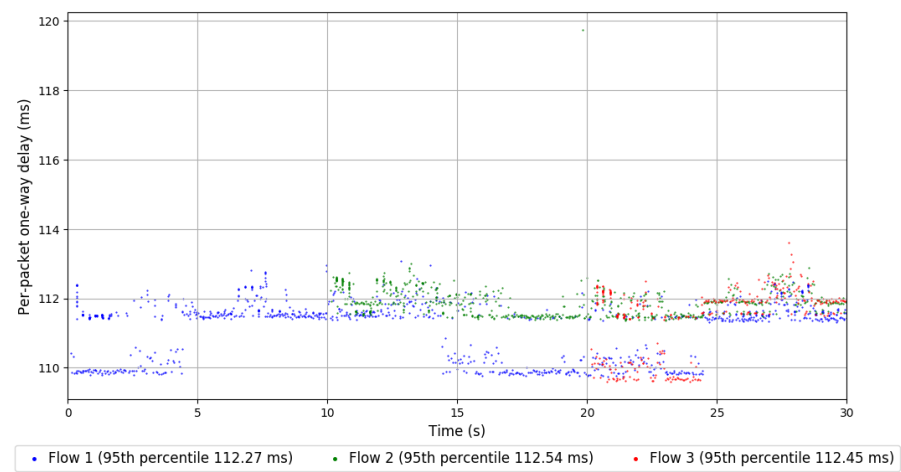
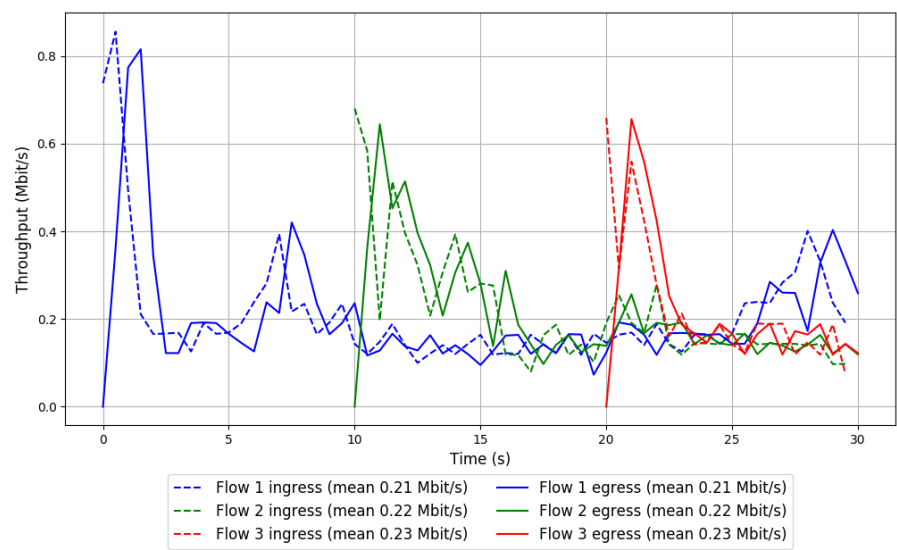


Run 6: Statistics of Sprout

Start at: 2018-08-09 08:35:09
End at: 2018-08-09 08:35:39
Local clock offset: -0.091 ms
Remote clock offset: 0.282 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 112.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.538 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 112.449 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

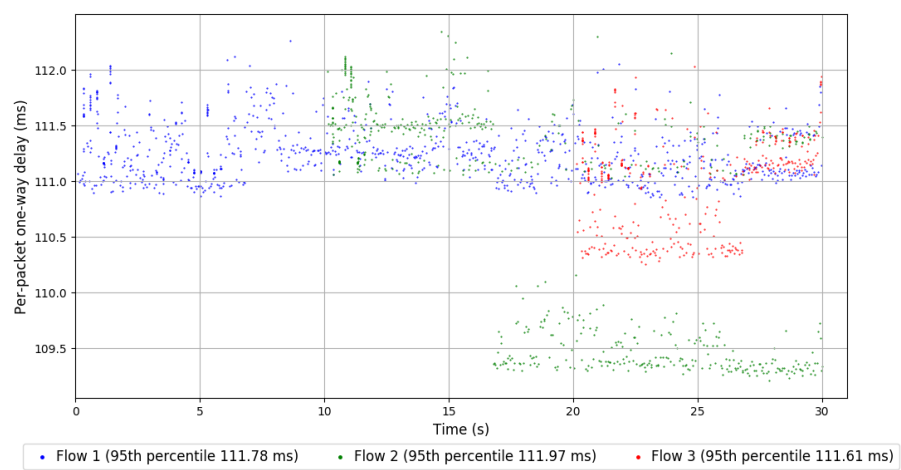
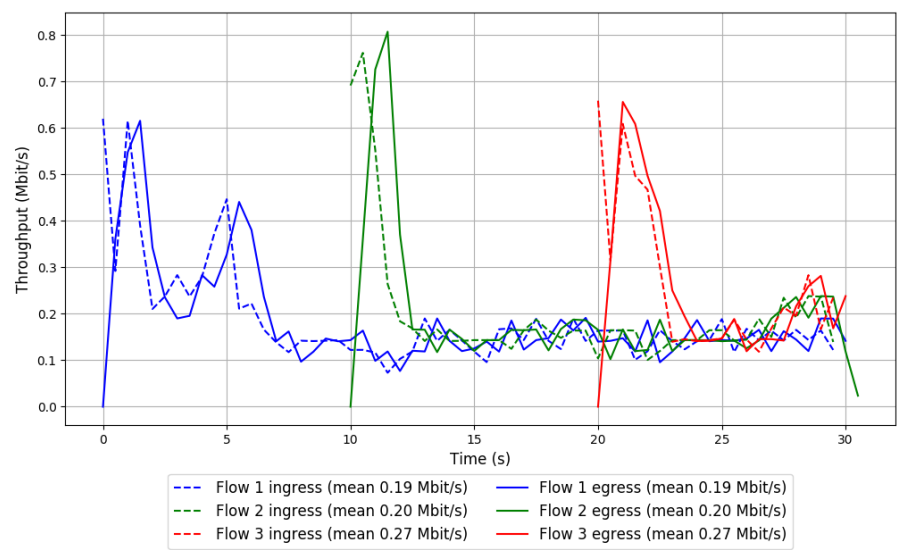


Run 7: Statistics of Sprout

Start at: 2018-08-09 09:01:46
End at: 2018-08-09 09:02:16
Local clock offset: -0.012 ms
Remote clock offset: -0.184 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 111.613 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

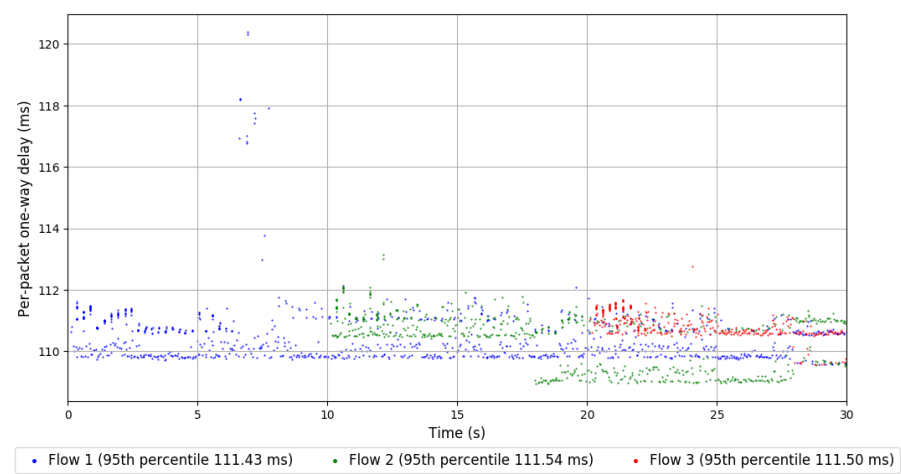
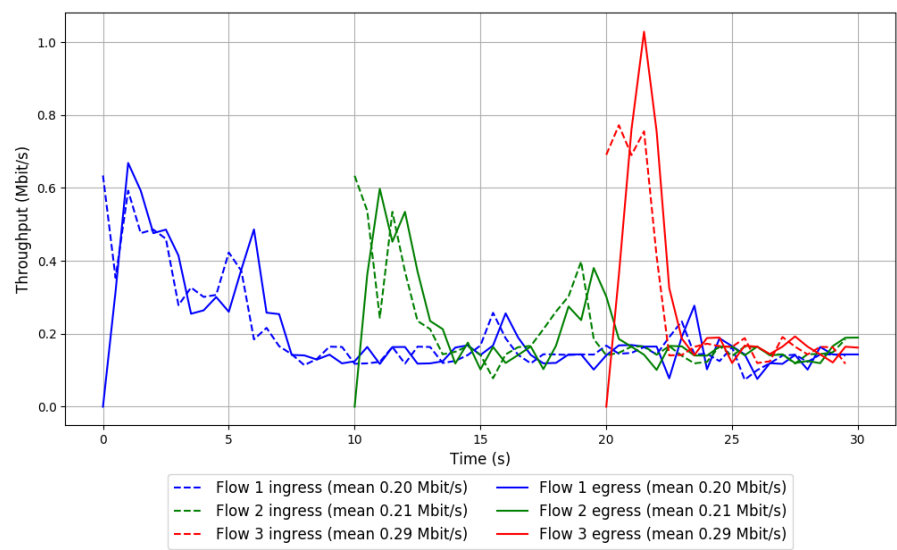


Run 8: Statistics of Sprout

Start at: 2018-08-09 09:27:55
End at: 2018-08-09 09:28:25
Local clock offset: -0.038 ms
Remote clock offset: -0.726 ms

```
# Below is generated by plot.py at 2018-08-09 12:44:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 111.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 111.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.544 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 111.496 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

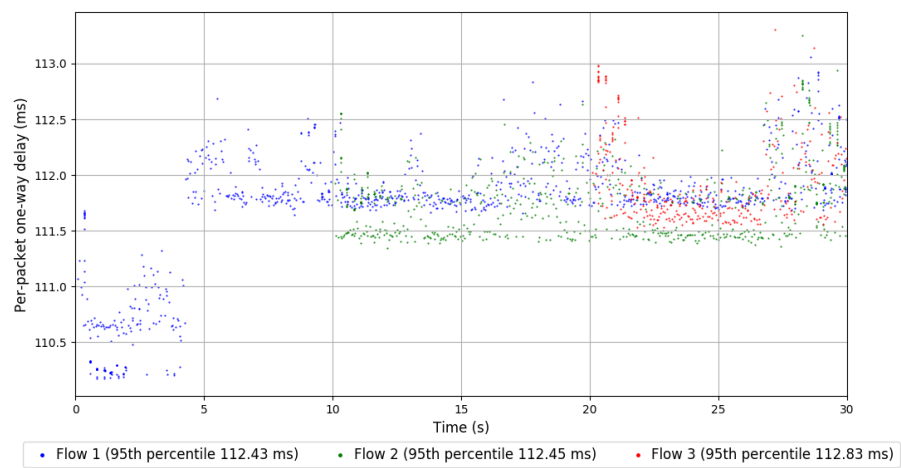
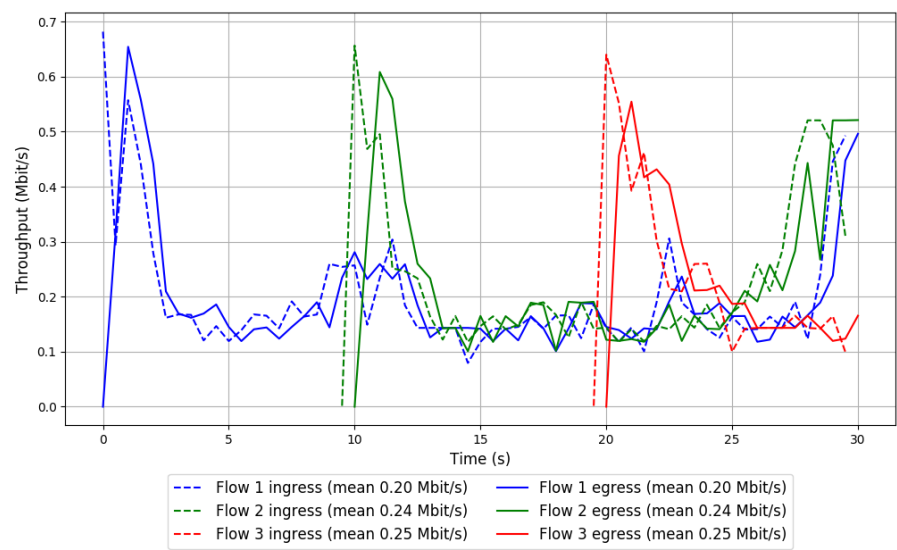


Run 9: Statistics of Sprout

Start at: 2018-08-09 09:54:39
End at: 2018-08-09 09:55:09
Local clock offset: 0.116 ms
Remote clock offset: -0.292 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 112.426 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 112.449 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 112.835 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

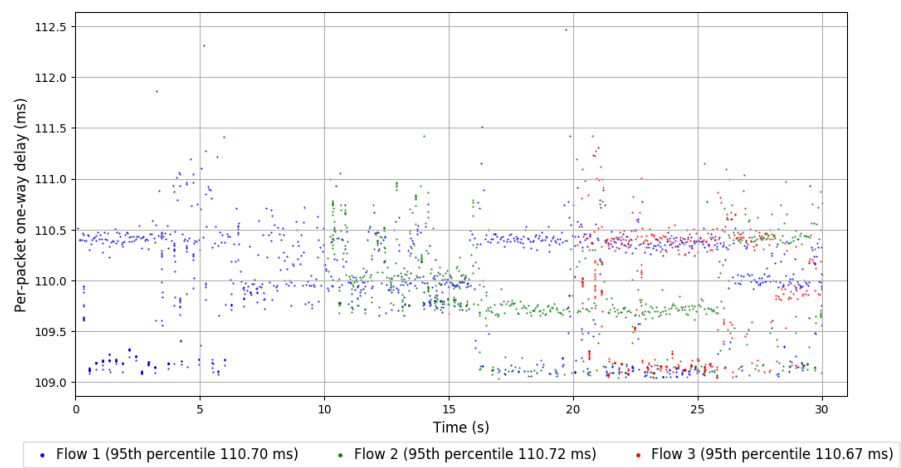
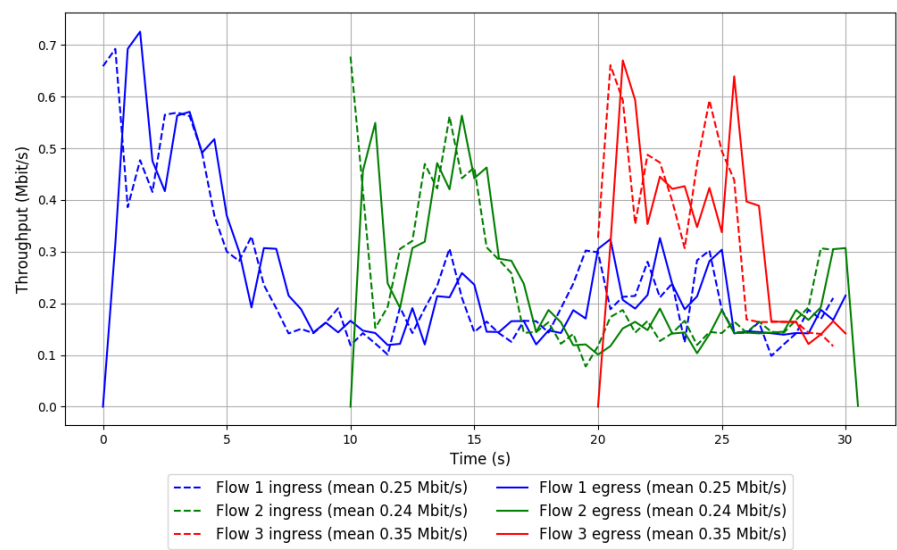


Run 10: Statistics of Sprout

Start at: 2018-08-09 10:21:47
End at: 2018-08-09 10:22:17
Local clock offset: 0.539 ms
Remote clock offset: -0.753 ms

Below is generated by plot.py at 2018-08-09 12:44:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 110.711 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 110.703 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 110.716 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 110.669 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

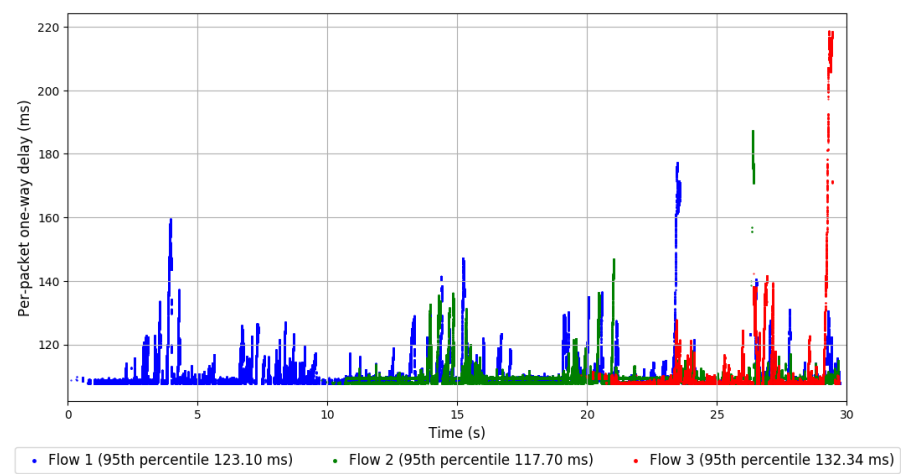
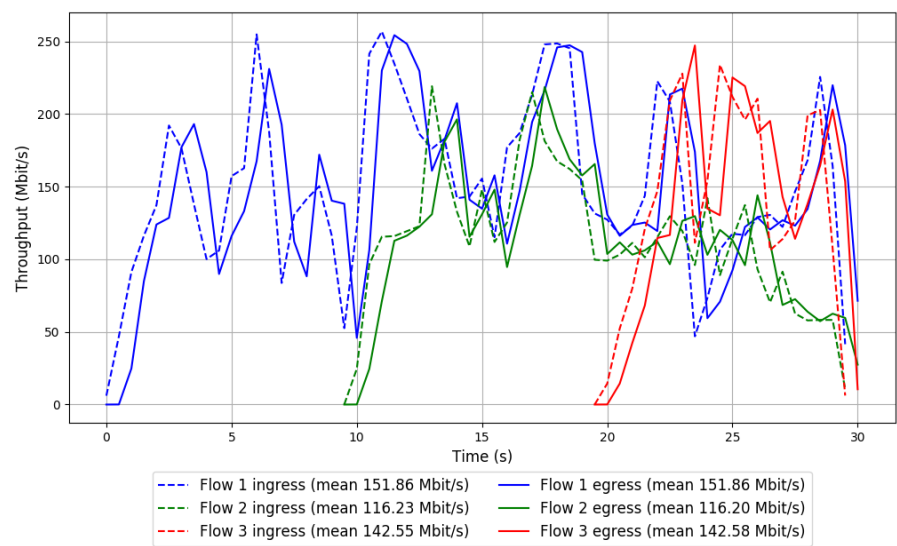


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-09 06:10:42
End at: 2018-08-09 06:11:12
Local clock offset: 1.333 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-09 12:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.85 Mbit/s
95th percentile per-packet one-way delay: 123.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 151.86 Mbit/s
95th percentile per-packet one-way delay: 123.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.20 Mbit/s
95th percentile per-packet one-way delay: 117.698 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.58 Mbit/s
95th percentile per-packet one-way delay: 132.341 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-08-09 06:37:23

End at: 2018-08-09 06:37:53

Local clock offset: 0.217 ms

Remote clock offset: 0.126 ms

Below is generated by plot.py at 2018-08-09 12:48:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.07 Mbit/s

95th percentile per-packet one-way delay: 130.909 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 111.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.22 Mbit/s

95th percentile per-packet one-way delay: 112.291 ms

Loss rate: 0.00%

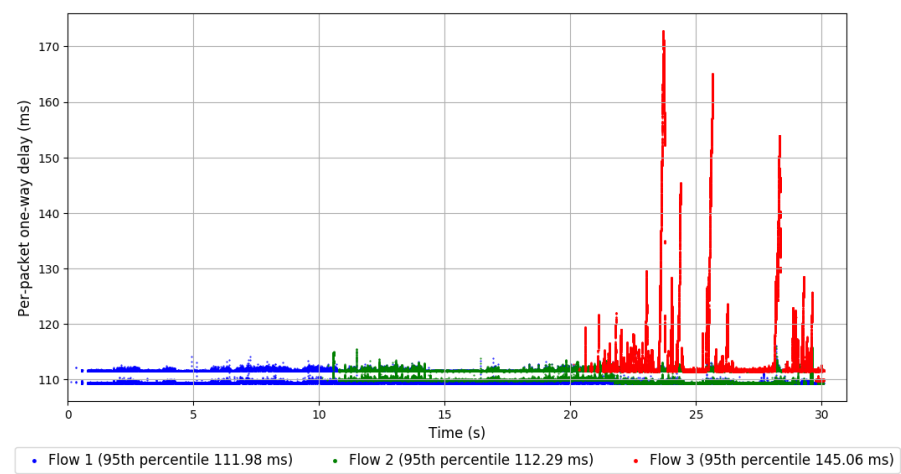
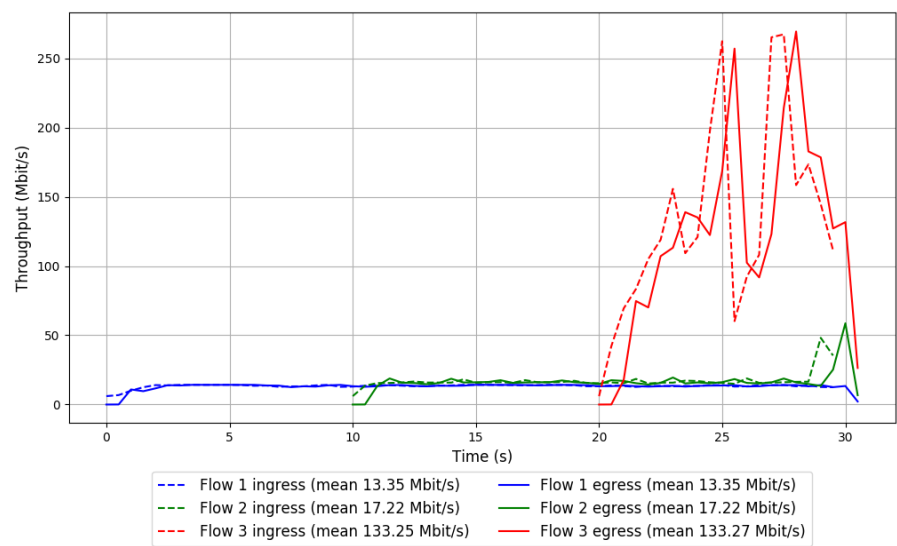
-- Flow 3:

Average throughput: 133.27 Mbit/s

95th percentile per-packet one-way delay: 145.055 ms

Loss rate: 0.00%

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

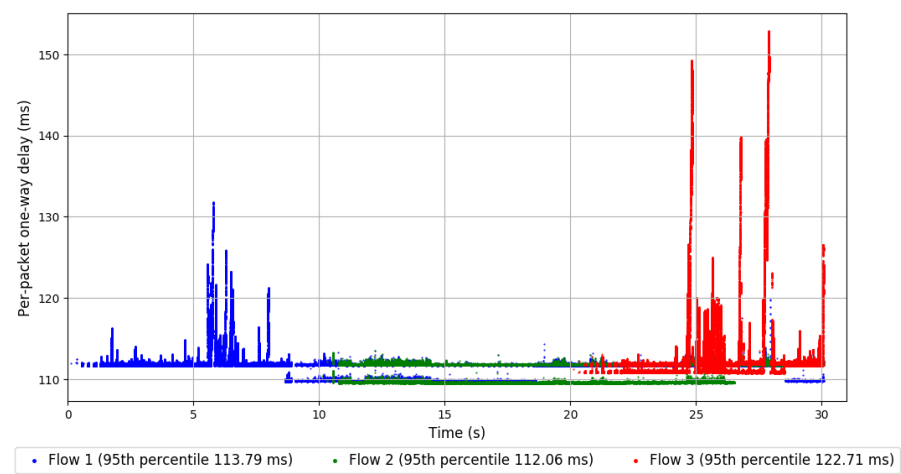
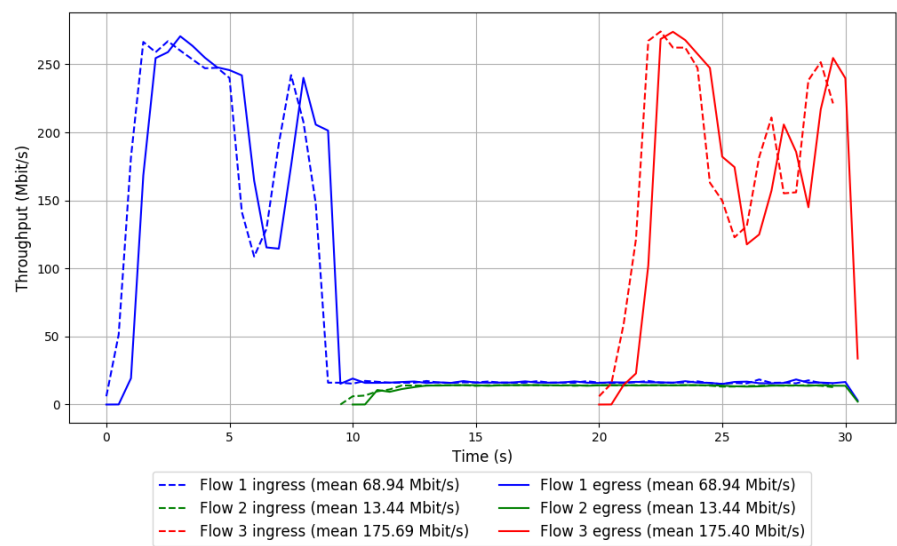


Run 3: Statistics of TaoVA-100x

Start at: 2018-08-09 07:03:57
End at: 2018-08-09 07:04:27
Local clock offset: -0.48 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-08-09 12:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 136.16 Mbit/s
95th percentile per-packet one-way delay: 115.903 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 68.94 Mbit/s
95th percentile per-packet one-way delay: 113.794 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 13.44 Mbit/s
95th percentile per-packet one-way delay: 112.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.40 Mbit/s
95th percentile per-packet one-way delay: 122.710 ms
Loss rate: 0.13%

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

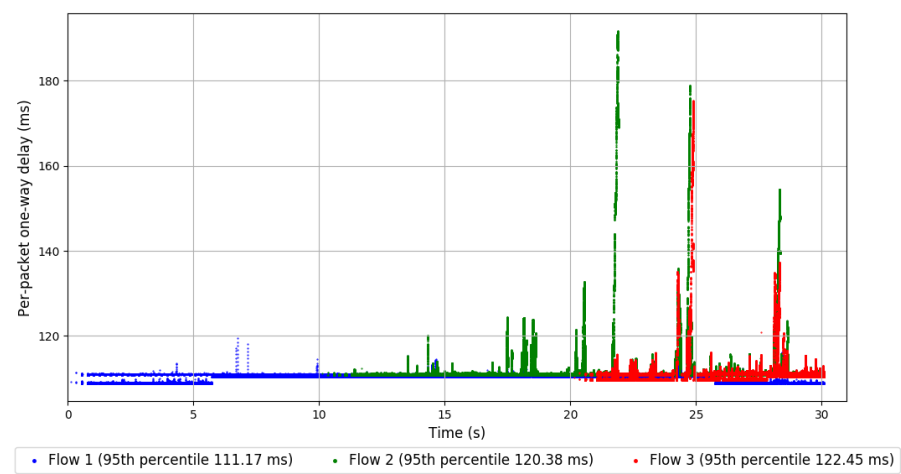
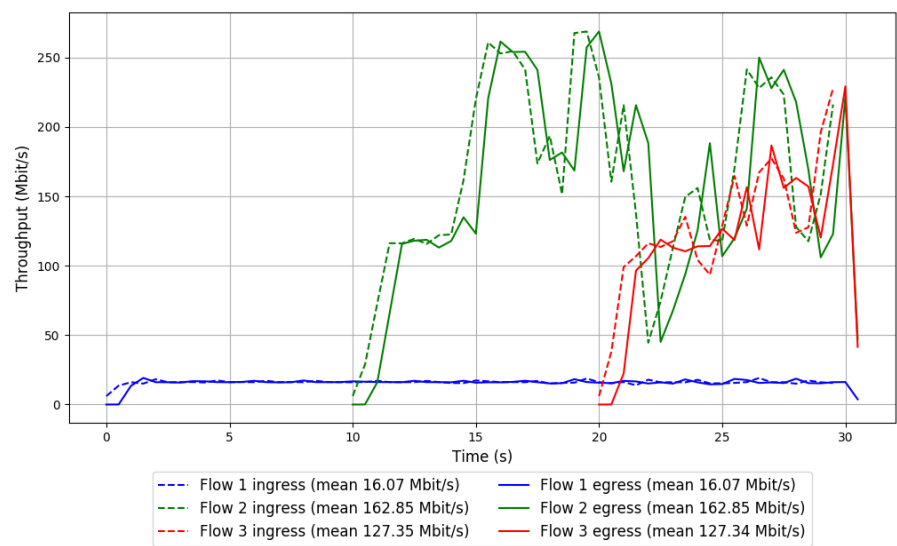


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-09 07:30:47
End at: 2018-08-09 07:31:17
Local clock offset: -0.021 ms
Remote clock offset: -0.523 ms

Below is generated by plot.py at 2018-08-09 12:48:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.79 Mbit/s
95th percentile per-packet one-way delay: 119.884 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.07 Mbit/s
95th percentile per-packet one-way delay: 111.170 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 162.85 Mbit/s
95th percentile per-packet one-way delay: 120.378 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.34 Mbit/s
95th percentile per-packet one-way delay: 122.448 ms
Loss rate: 0.00%

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

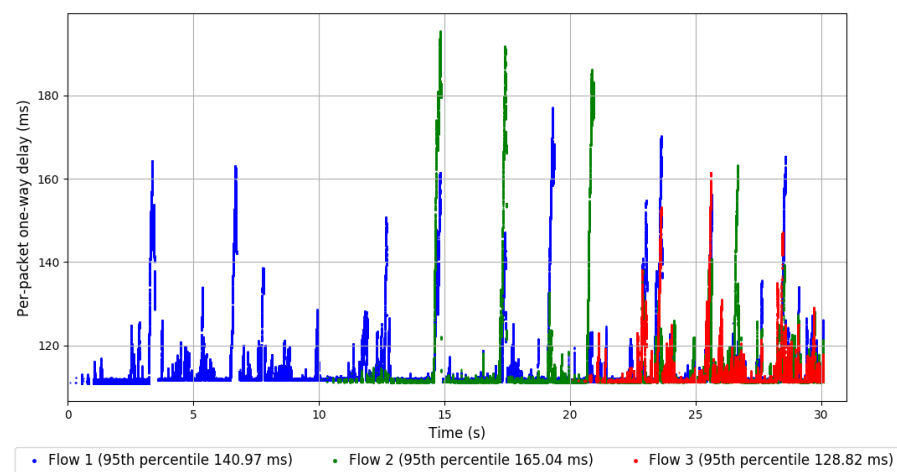
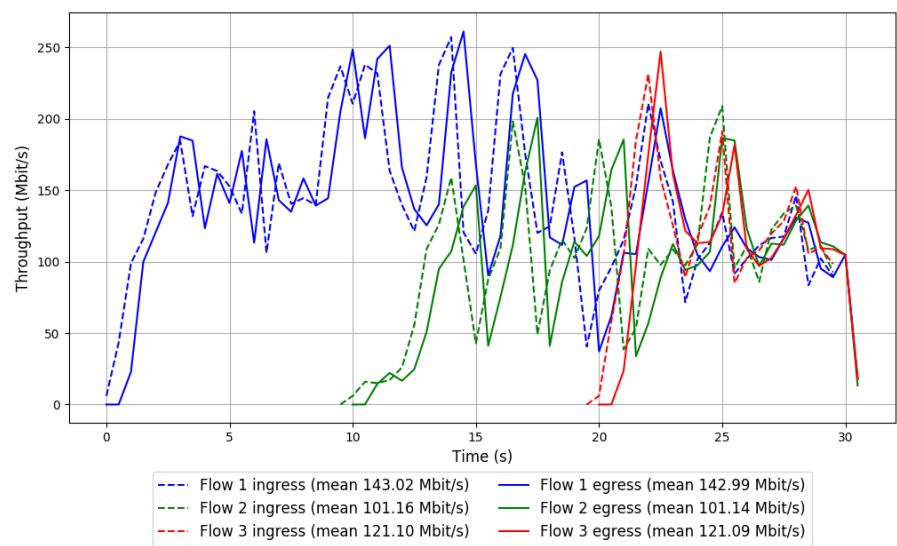


Run 5: Statistics of TaoVA-100x

Start at: 2018-08-09 07:57:30
End at: 2018-08-09 07:58:00
Local clock offset: -0.423 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-08-09 12:48:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.68 Mbit/s
95th percentile per-packet one-way delay: 141.303 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 142.99 Mbit/s
95th percentile per-packet one-way delay: 140.969 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 101.14 Mbit/s
95th percentile per-packet one-way delay: 165.039 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 128.824 ms
Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-09 08:24:08

End at: 2018-08-09 08:24:38

Local clock offset: -0.317 ms

Remote clock offset: 0.237 ms

Below is generated by plot.py at 2018-08-09 12:48:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.47 Mbit/s

95th percentile per-packet one-way delay: 124.829 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 118.86 Mbit/s

95th percentile per-packet one-way delay: 124.062 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 114.89 Mbit/s

95th percentile per-packet one-way delay: 124.165 ms

Loss rate: 0.01%

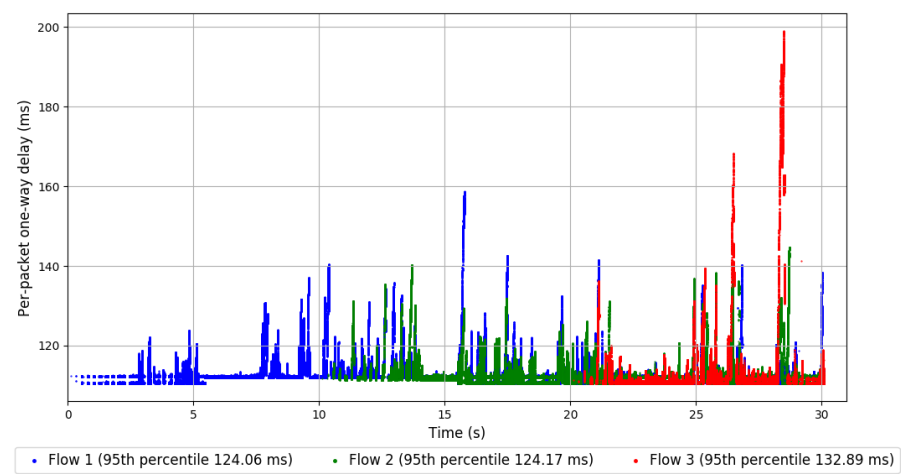
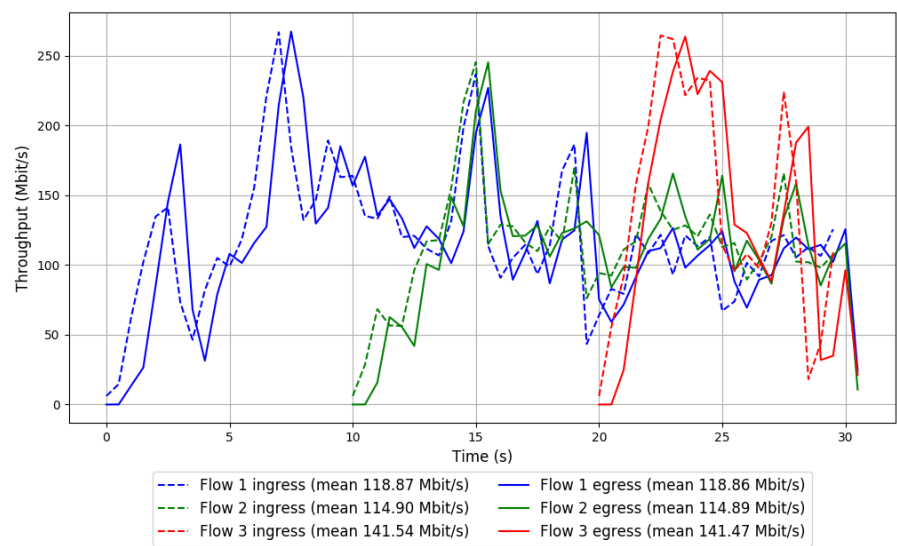
-- Flow 3:

Average throughput: 141.47 Mbit/s

95th percentile per-packet one-way delay: 132.893 ms

Loss rate: 0.02%

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

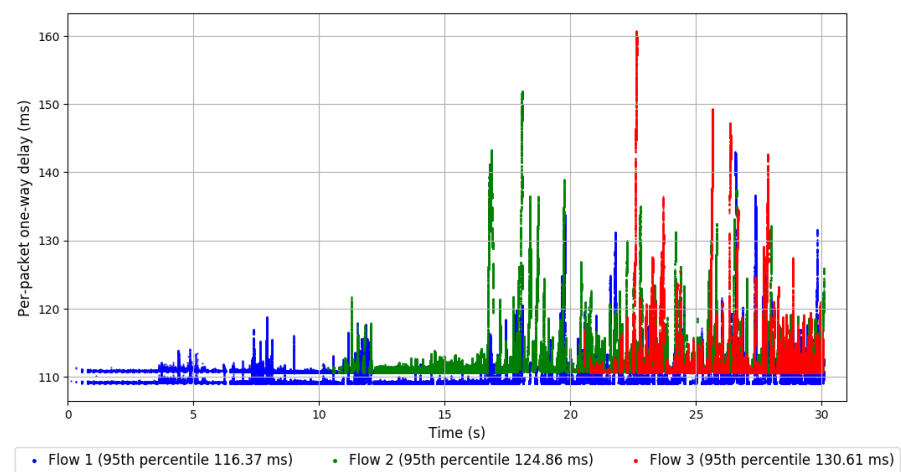
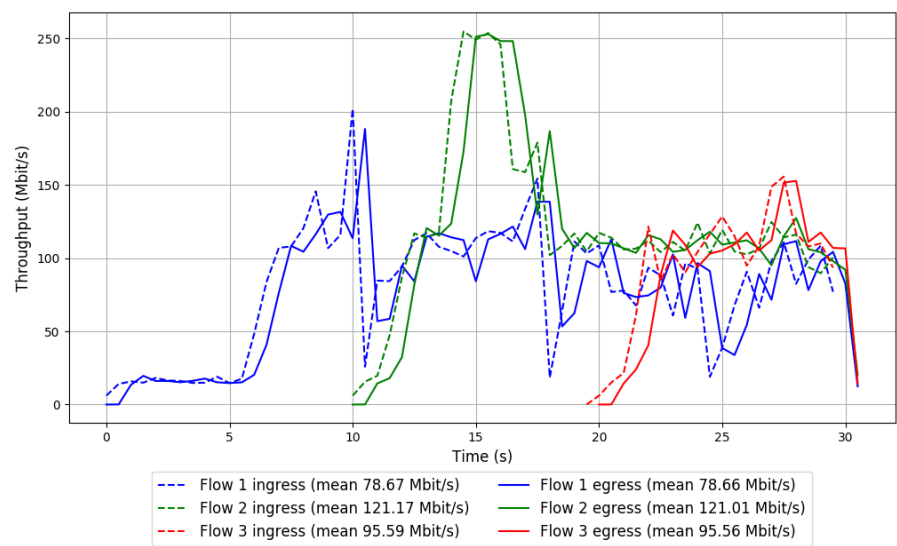


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-09 08:50:36
End at: 2018-08-09 08:51:06
Local clock offset: -0.268 ms
Remote clock offset: -0.467 ms

Below is generated by plot.py at 2018-08-09 12:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.97 Mbit/s
95th percentile per-packet one-way delay: 122.122 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 78.66 Mbit/s
95th percentile per-packet one-way delay: 116.366 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 121.01 Mbit/s
95th percentile per-packet one-way delay: 124.856 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 130.610 ms
Loss rate: 0.00%

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

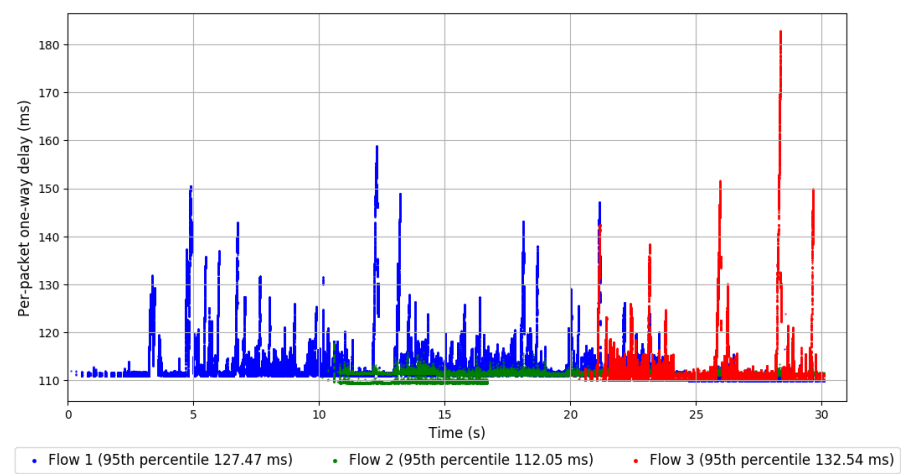
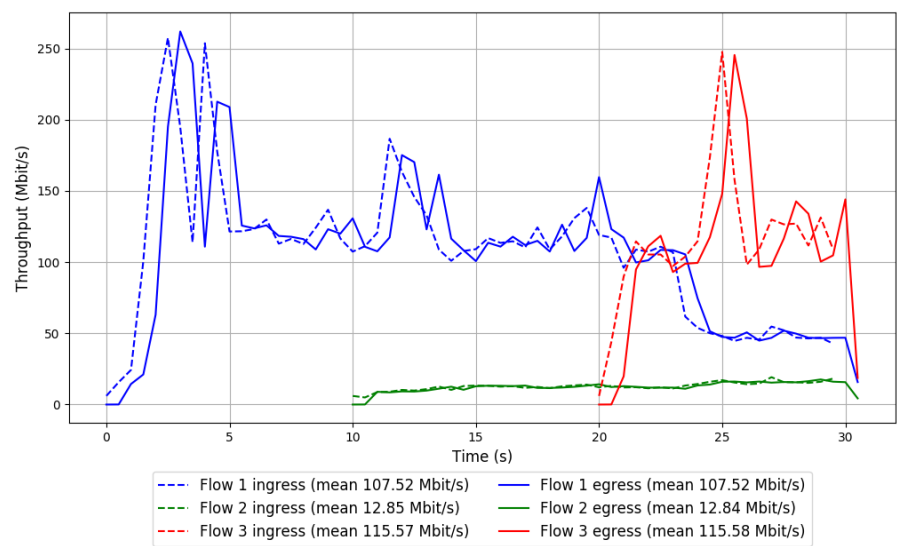


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-09 09:17:09
End at: 2018-08-09 09:17:39
Local clock offset: -0.22 ms
Remote clock offset: -0.243 ms

Below is generated by plot.py at 2018-08-09 12:48:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 154.47 Mbit/s
95th percentile per-packet one-way delay: 127.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.52 Mbit/s
95th percentile per-packet one-way delay: 127.467 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 112.049 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.58 Mbit/s
95th percentile per-packet one-way delay: 132.539 ms
Loss rate: 0.01%

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

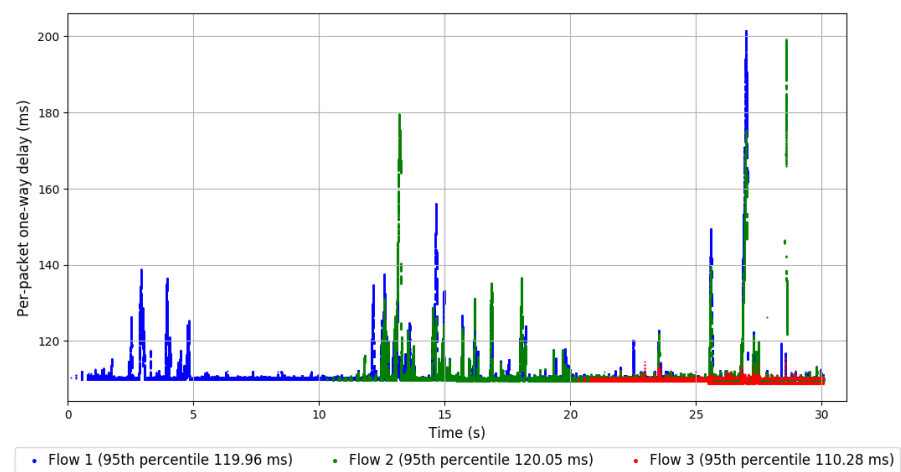
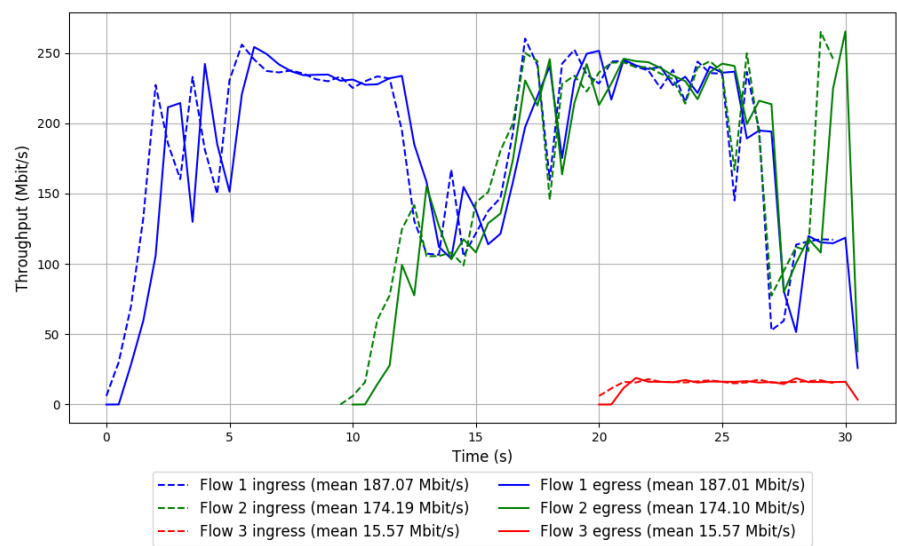


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-09 09:43:28
End at: 2018-08-09 09:43:58
Local clock offset: 1.267 ms
Remote clock offset: -0.581 ms

Below is generated by plot.py at 2018-08-09 12:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.18 Mbit/s
95th percentile per-packet one-way delay: 119.813 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 187.01 Mbit/s
95th percentile per-packet one-way delay: 119.956 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 174.10 Mbit/s
95th percentile per-packet one-way delay: 120.047 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 110.282 ms
Loss rate: 0.00%

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

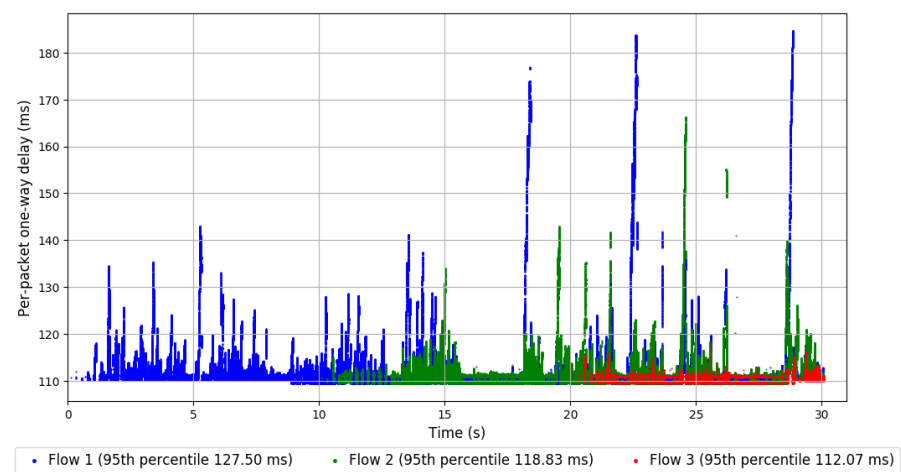
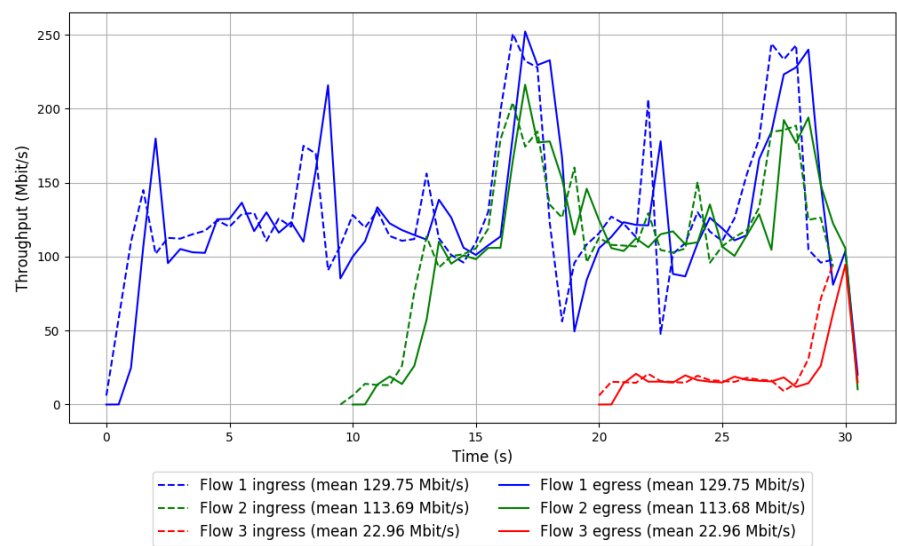


Run 10: Statistics of TaoVA-100x

Start at: 2018-08-09 10:10:14
End at: 2018-08-09 10:10:44
Local clock offset: -0.046 ms
Remote clock offset: -0.662 ms

Below is generated by plot.py at 2018-08-09 12:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 213.14 Mbit/s
95th percentile per-packet one-way delay: 124.064 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.75 Mbit/s
95th percentile per-packet one-way delay: 127.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 113.68 Mbit/s
95th percentile per-packet one-way delay: 118.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 112.068 ms
Loss rate: 0.00%

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

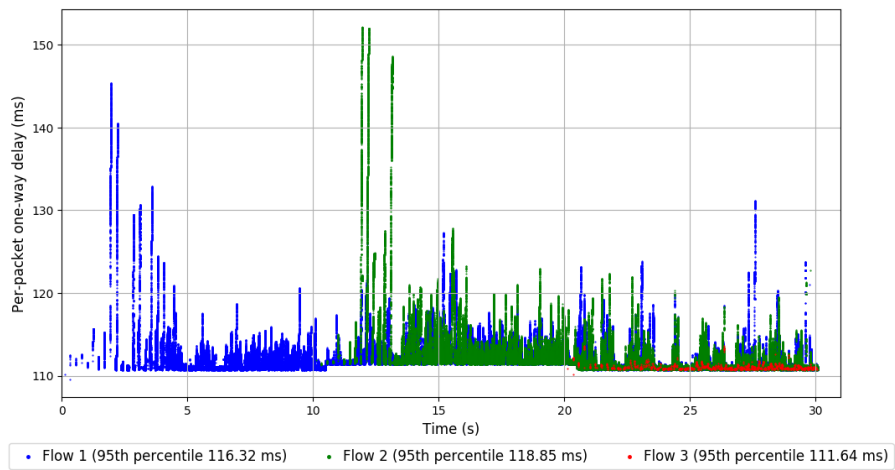
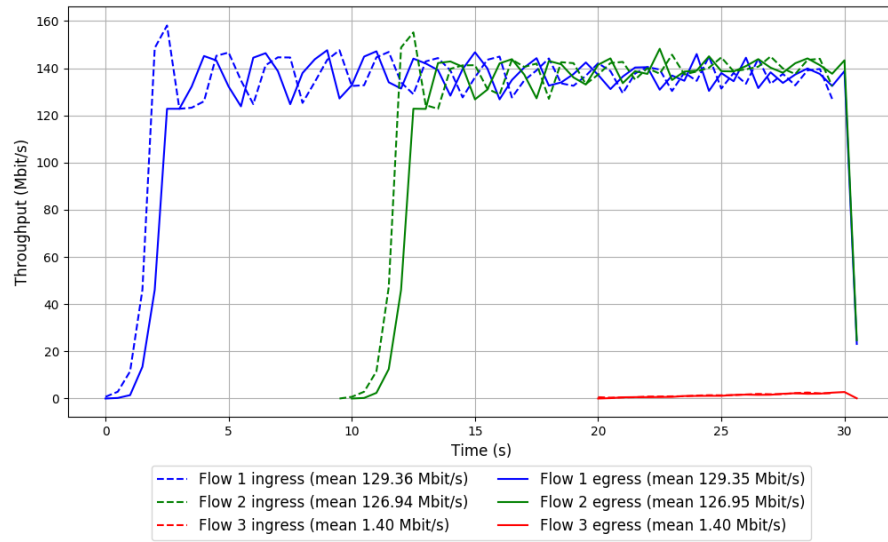


Run 1: Statistics of TCP Vegas

Start at: 2018-08-09 06:05:13
End at: 2018-08-09 06:05:43
Local clock offset: -0.067 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-08-09 12:53:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.41 Mbit/s
95th percentile per-packet one-way delay: 117.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.35 Mbit/s
95th percentile per-packet one-way delay: 116.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.95 Mbit/s
95th percentile per-packet one-way delay: 118.852 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 111.635 ms
Loss rate: 0.26%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-08-09 06:31:49

End at: 2018-08-09 06:32:19

Local clock offset: 0.13 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-08-09 12:53:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 305.20 Mbit/s

95th percentile per-packet one-way delay: 124.079 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.75 Mbit/s

95th percentile per-packet one-way delay: 120.952 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 244.31 Mbit/s

95th percentile per-packet one-way delay: 129.766 ms

Loss rate: 0.00%

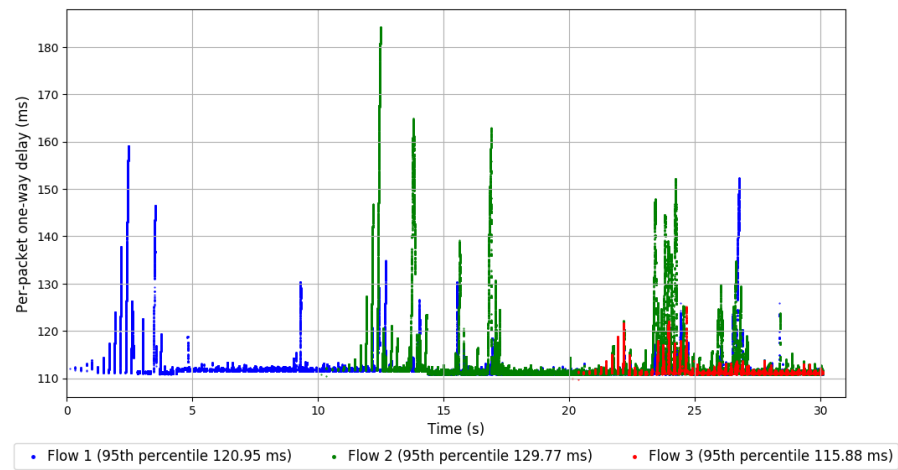
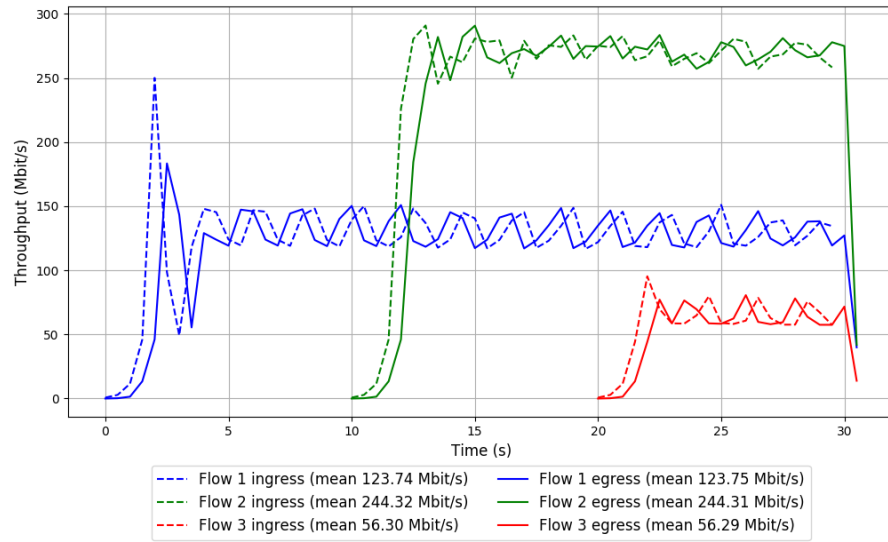
-- Flow 3:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 115.879 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

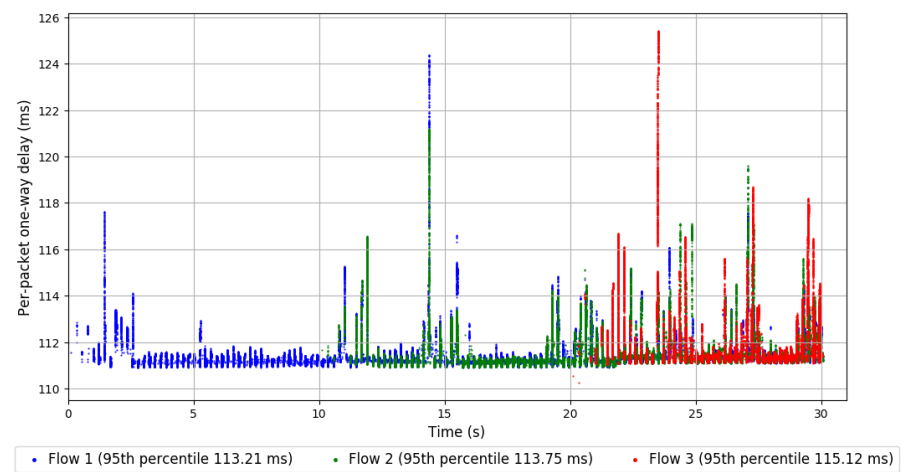
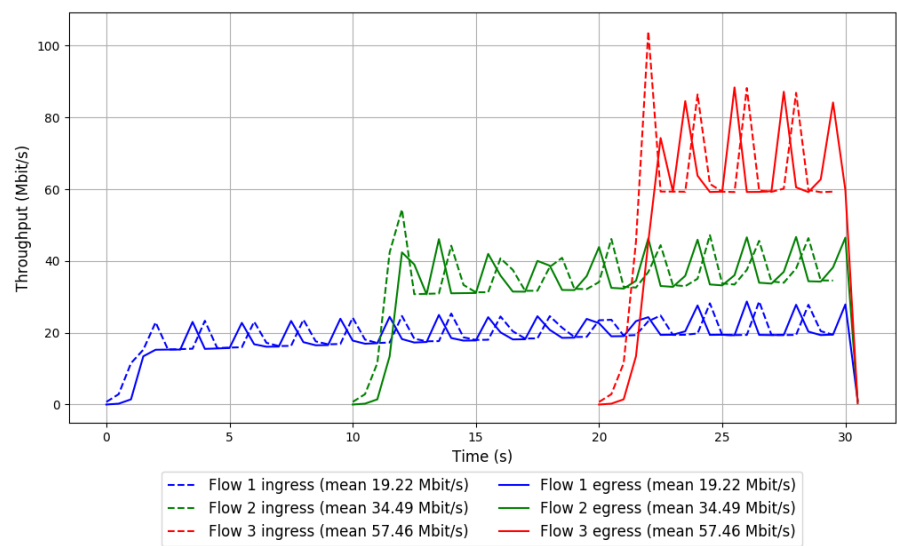


Run 3: Statistics of TCP Vegas

Start at: 2018-08-09 06:58:31
End at: 2018-08-09 06:59:01
Local clock offset: -0.074 ms
Remote clock offset: -0.419 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 113.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 113.212 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.49 Mbit/s
95th percentile per-packet one-way delay: 113.751 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.46 Mbit/s
95th percentile per-packet one-way delay: 115.118 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

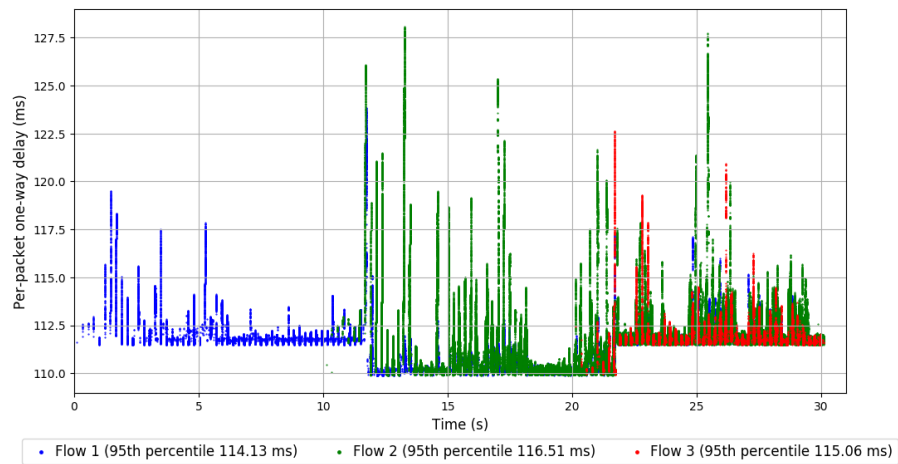
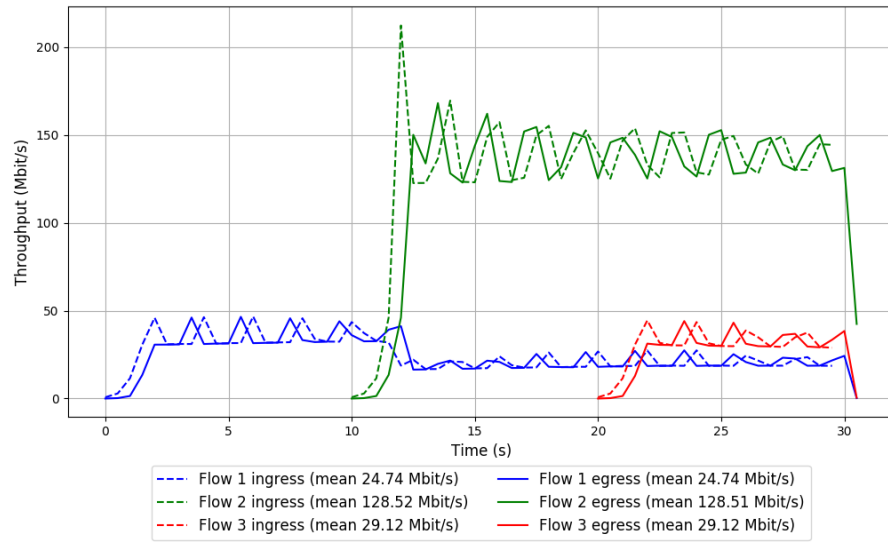


Run 4: Statistics of TCP Vegas

Start at: 2018-08-09 07:25:11
End at: 2018-08-09 07:25:41
Local clock offset: -0.438 ms
Remote clock offset: -0.454 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.01 Mbit/s
95th percentile per-packet one-way delay: 115.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 114.131 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.51 Mbit/s
95th percentile per-packet one-way delay: 116.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.12 Mbit/s
95th percentile per-packet one-way delay: 115.064 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

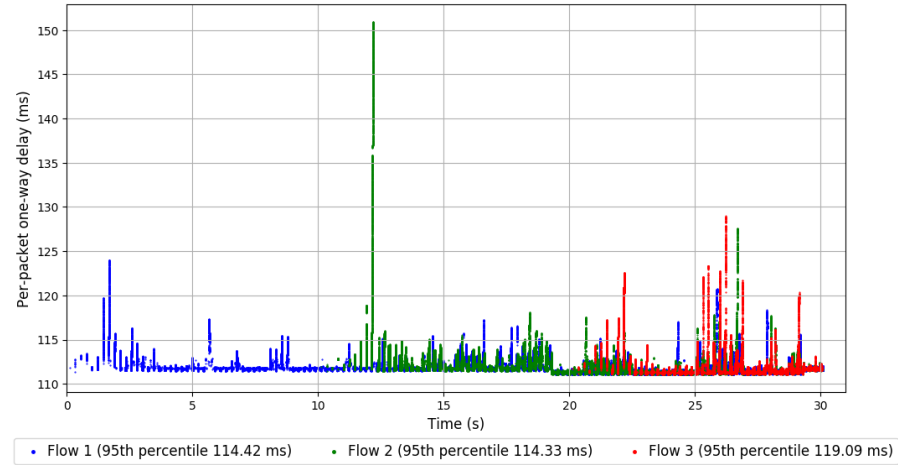
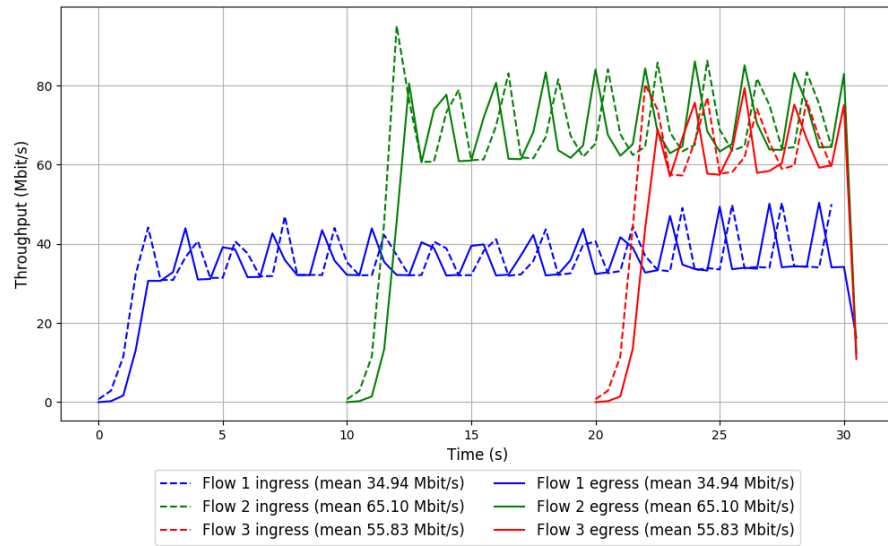


Run 5: Statistics of TCP Vegas

Start at: 2018-08-09 07:52:04
End at: 2018-08-09 07:52:34
Local clock offset: -0.2 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.81 Mbit/s
95th percentile per-packet one-way delay: 114.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 114.421 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 114.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 55.83 Mbit/s
95th percentile per-packet one-way delay: 119.093 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

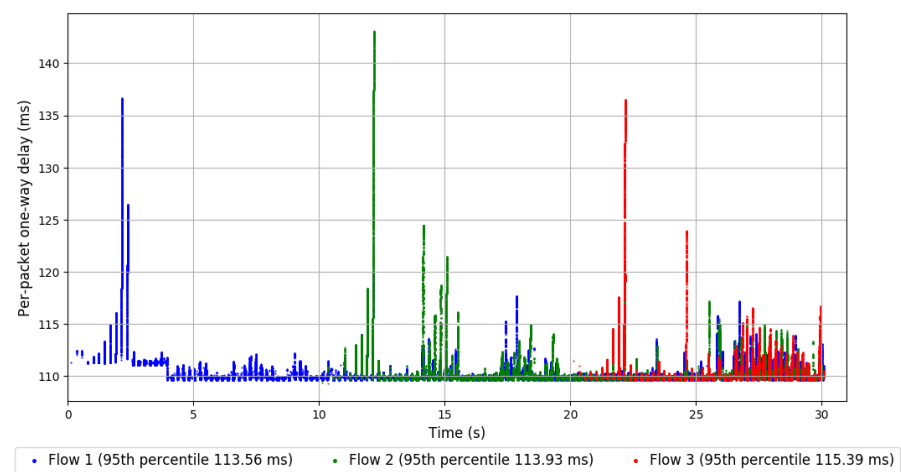
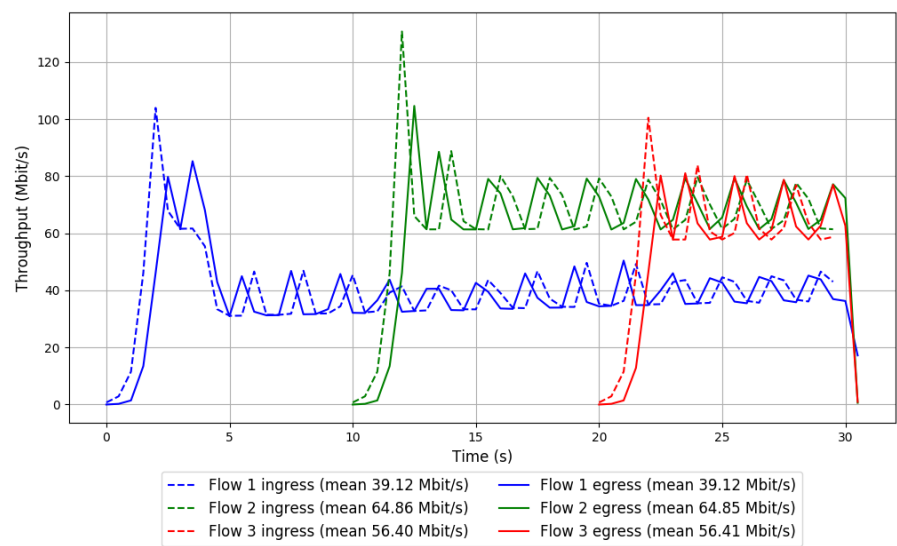


Run 6: Statistics of TCP Vegas

Start at: 2018-08-09 08:18:49
End at: 2018-08-09 08:19:19
Local clock offset: 0.13 ms
Remote clock offset: -0.164 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.97 Mbit/s
95th percentile per-packet one-way delay: 114.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 113.562 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.85 Mbit/s
95th percentile per-packet one-way delay: 113.929 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 115.395 ms
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

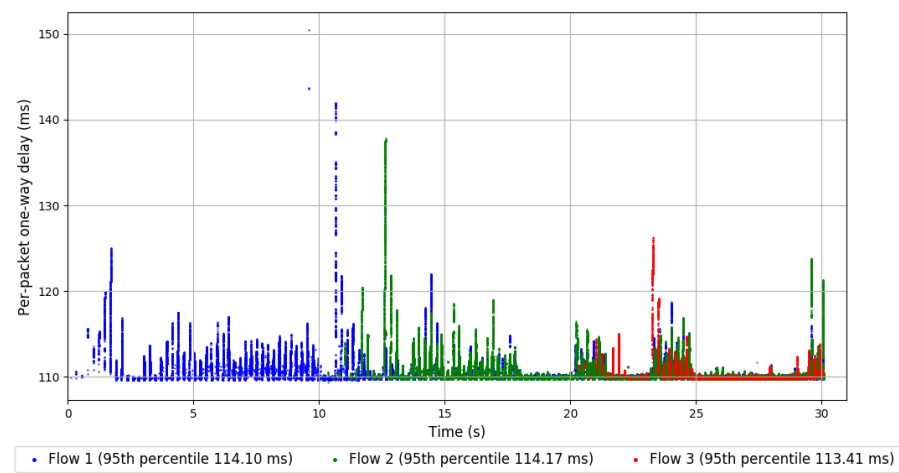
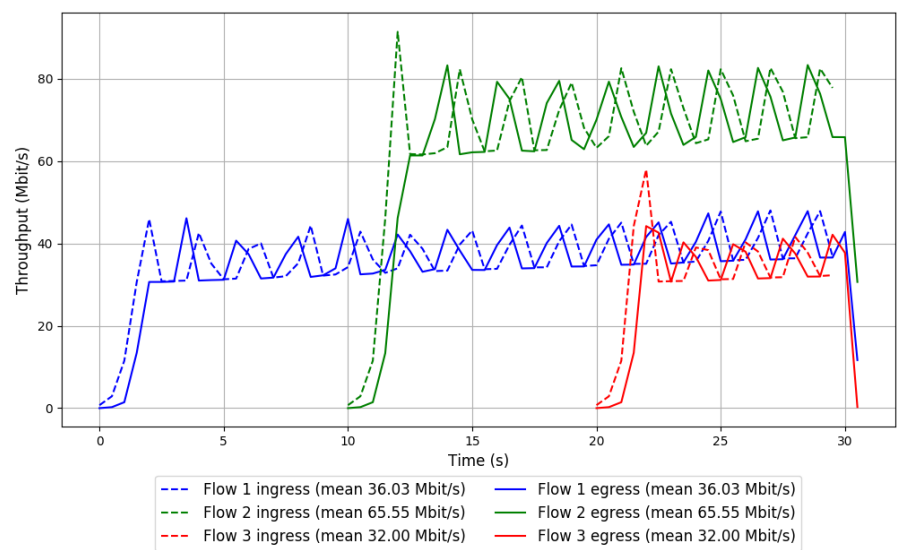


Run 7: Statistics of TCP Vegas

Start at: 2018-08-09 08:45:12
End at: 2018-08-09 08:45:42
Local clock offset: 1.187 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 90.29 Mbit/s
95th percentile per-packet one-way delay: 114.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 114.096 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.55 Mbit/s
95th percentile per-packet one-way delay: 114.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.00 Mbit/s
95th percentile per-packet one-way delay: 113.407 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

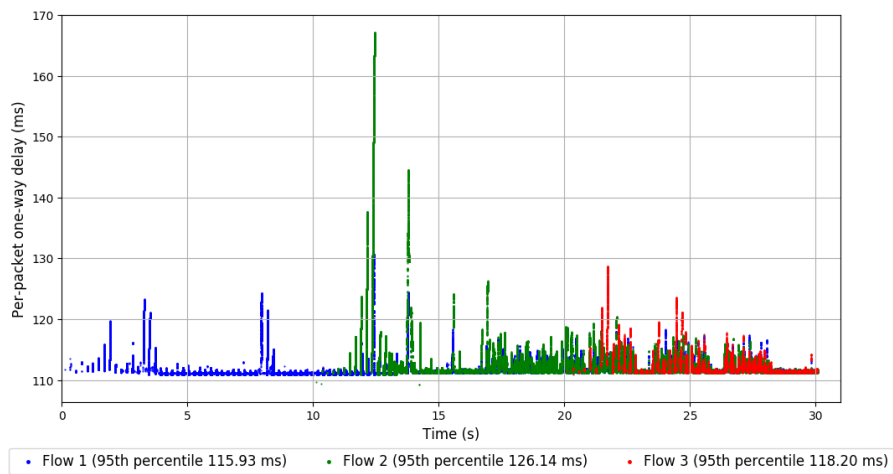
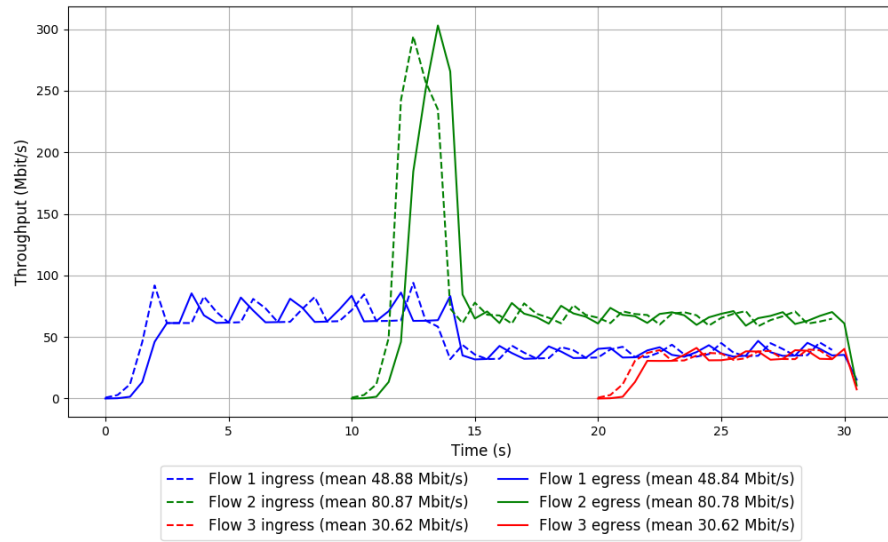


Run 8: Statistics of TCP Vegas

Start at: 2018-08-09 09:11:50
End at: 2018-08-09 09:12:20
Local clock offset: 0.004 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.81 Mbit/s
95th percentile per-packet one-way delay: 119.158 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.84 Mbit/s
95th percentile per-packet one-way delay: 115.926 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 80.78 Mbit/s
95th percentile per-packet one-way delay: 126.144 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 30.62 Mbit/s
95th percentile per-packet one-way delay: 118.196 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

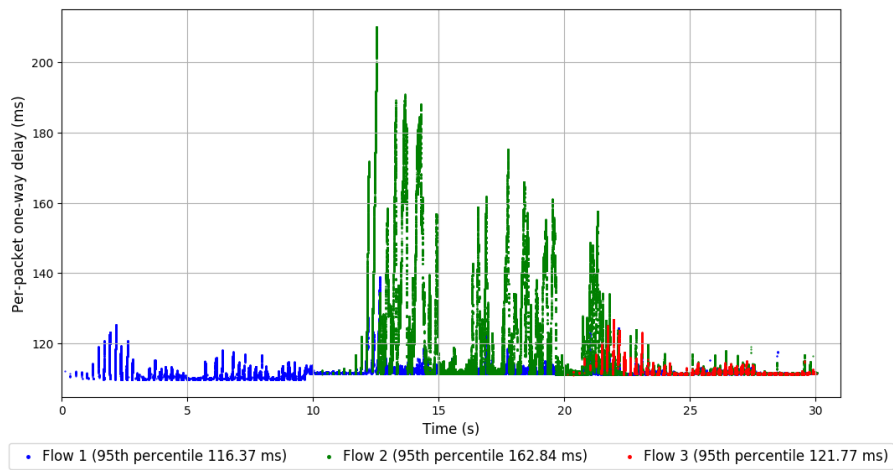
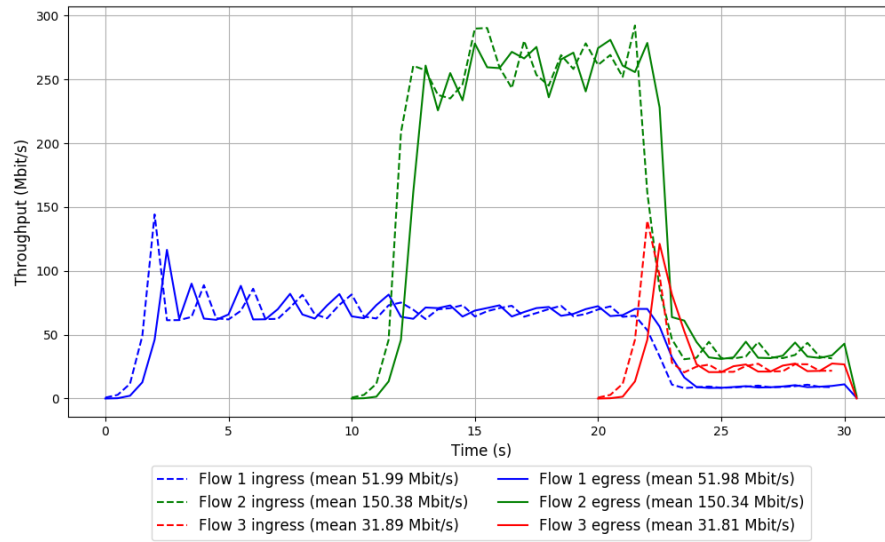


Run 9: Statistics of TCP Vegas

Start at: 2018-08-09 09:38:04
End at: 2018-08-09 09:38:34
Local clock offset: 0.082 ms
Remote clock offset: -0.456 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.56 Mbit/s
95th percentile per-packet one-way delay: 153.418 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.98 Mbit/s
95th percentile per-packet one-way delay: 116.371 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 150.34 Mbit/s
95th percentile per-packet one-way delay: 162.842 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.81 Mbit/s
95th percentile per-packet one-way delay: 121.766 ms
Loss rate: 0.27%

Run 9: Report of TCP Vegas — Data Link

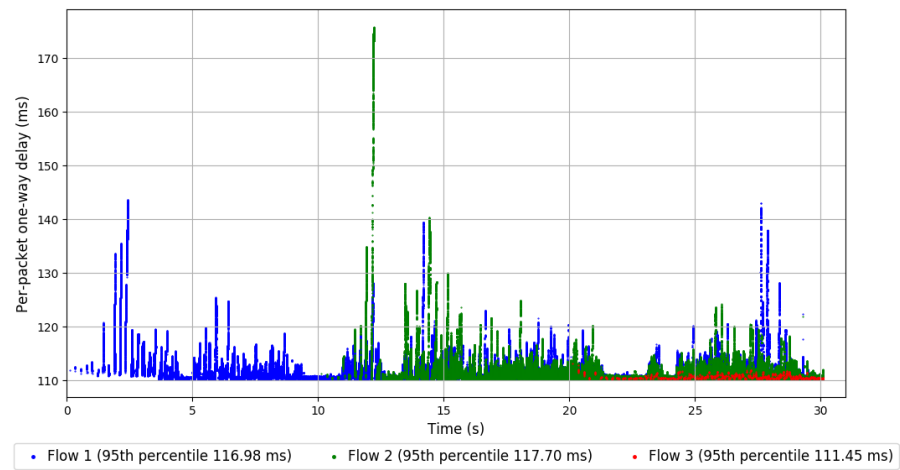
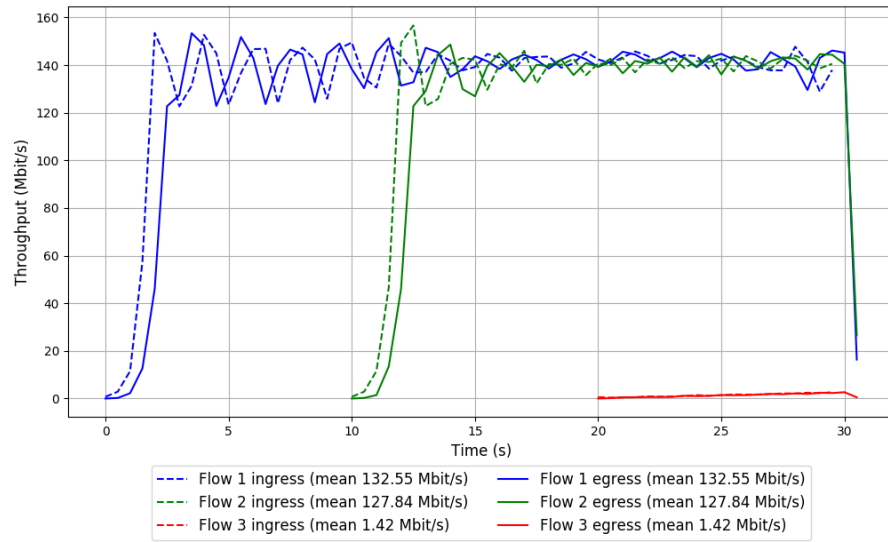


Run 10: Statistics of TCP Vegas

Start at: 2018-08-09 10:04:40
End at: 2018-08-09 10:05:10
Local clock offset: -0.727 ms
Remote clock offset: -0.632 ms

Below is generated by plot.py at 2018-08-09 12:53:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 218.19 Mbit/s
95th percentile per-packet one-way delay: 117.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.55 Mbit/s
95th percentile per-packet one-way delay: 116.976 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.84 Mbit/s
95th percentile per-packet one-way delay: 117.696 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.42 Mbit/s
95th percentile per-packet one-way delay: 111.452 ms
Loss rate: 0.25%

Run 10: Report of TCP Vegas — Data Link

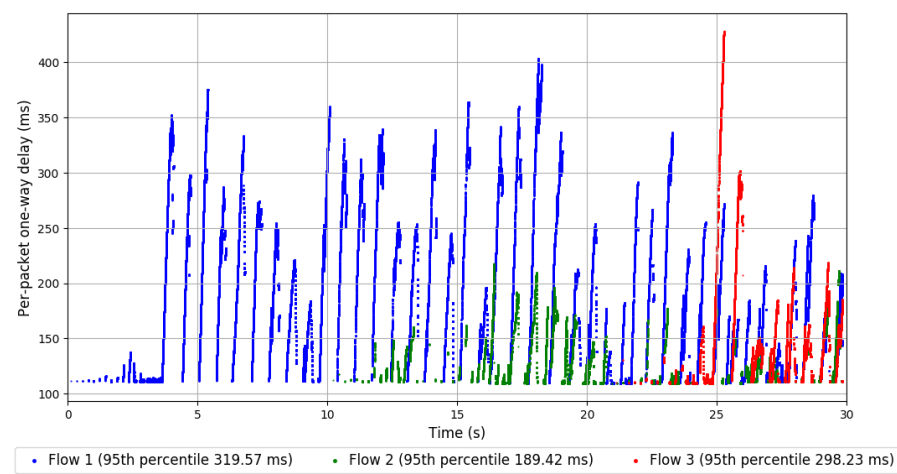
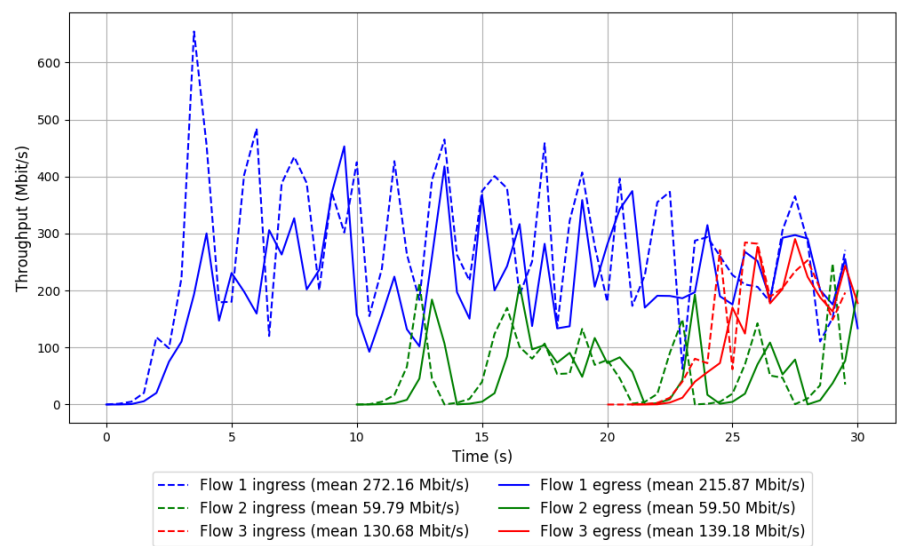


Run 1: Statistics of Verus

Start at: 2018-08-09 05:59:37
End at: 2018-08-09 06:00:07
Local clock offset: -0.288 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-08-09 12:55:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 295.87 Mbit/s
95th percentile per-packet one-way delay: 314.331 ms
Loss rate: 16.48%
-- Flow 1:
Average throughput: 215.87 Mbit/s
95th percentile per-packet one-way delay: 319.568 ms
Loss rate: 20.68%
-- Flow 2:
Average throughput: 59.50 Mbit/s
95th percentile per-packet one-way delay: 189.420 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 139.18 Mbit/s
95th percentile per-packet one-way delay: 298.234 ms
Loss rate: 4.46%

Run 1: Report of Verus — Data Link

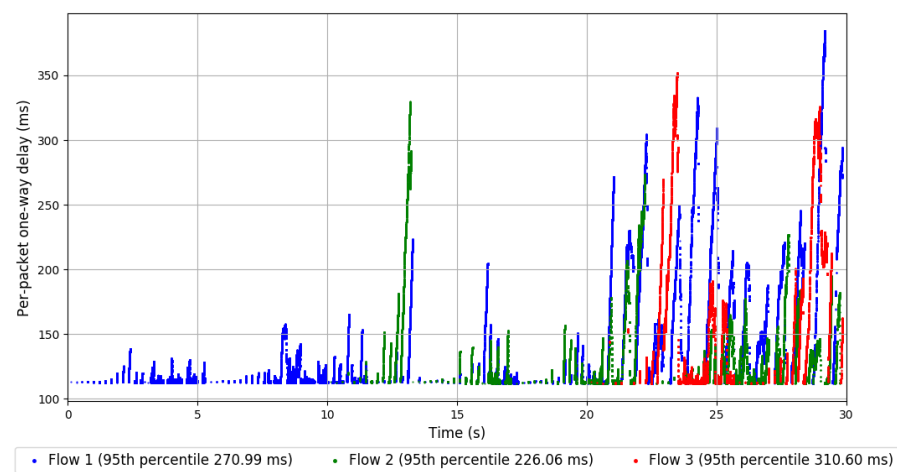
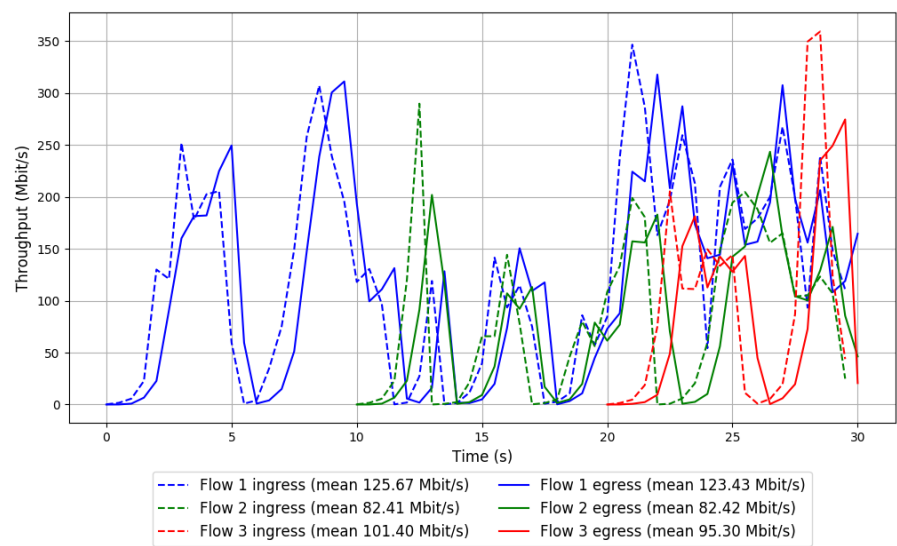


Run 2: Statistics of Verus

Start at: 2018-08-09 06:26:18
End at: 2018-08-09 06:26:48
Local clock offset: -1.385 ms
Remote clock offset: -0.262 ms

Below is generated by plot.py at 2018-08-09 12:55:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 208.87 Mbit/s
95th percentile per-packet one-way delay: 278.593 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 123.43 Mbit/s
95th percentile per-packet one-way delay: 270.985 ms
Loss rate: 1.67%
-- Flow 2:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 226.065 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 95.30 Mbit/s
95th percentile per-packet one-way delay: 310.603 ms
Loss rate: 5.65%

Run 2: Report of Verus — Data Link

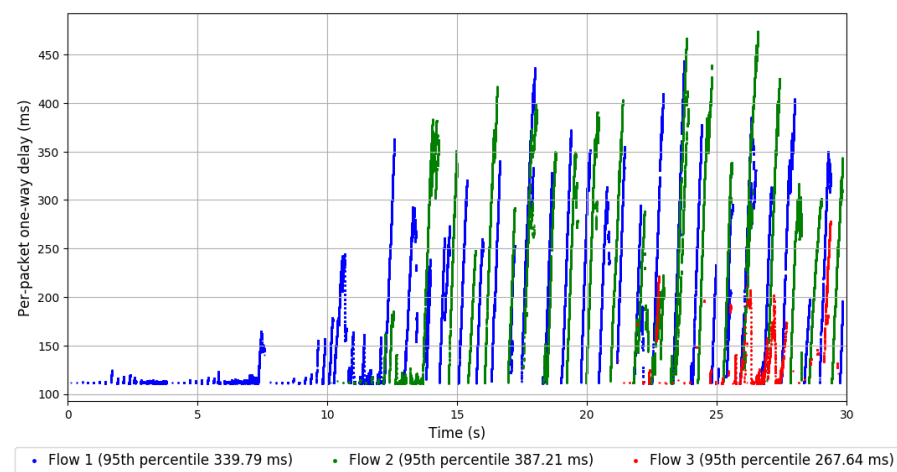
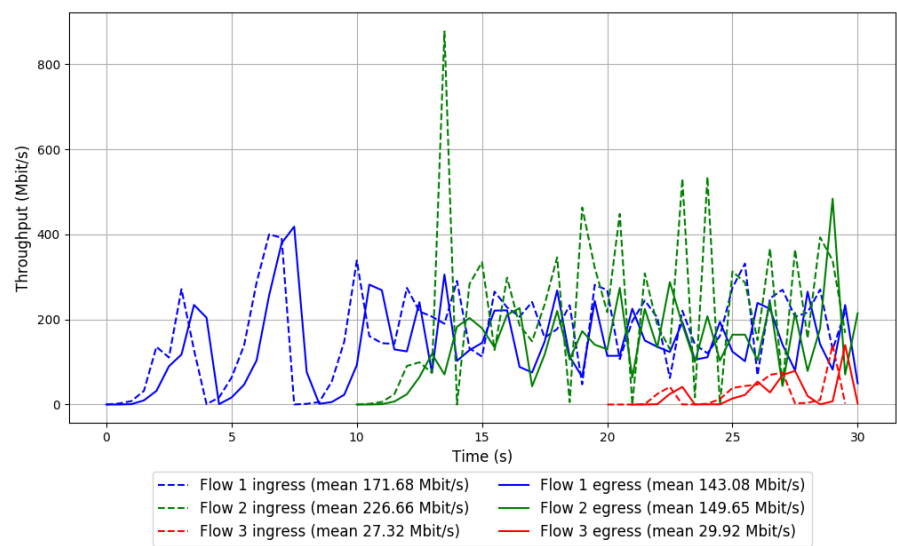


Run 3: Statistics of Verus

Start at: 2018-08-09 06:52:56
End at: 2018-08-09 06:53:26
Local clock offset: -0.151 ms
Remote clock offset: -0.428 ms

Below is generated by plot.py at 2018-08-09 12:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 250.75 Mbit/s
95th percentile per-packet one-way delay: 365.788 ms
Loss rate: 23.94%
-- Flow 1:
Average throughput: 143.08 Mbit/s
95th percentile per-packet one-way delay: 339.792 ms
Loss rate: 16.66%
-- Flow 2:
Average throughput: 149.65 Mbit/s
95th percentile per-packet one-way delay: 387.212 ms
Loss rate: 33.58%
-- Flow 3:
Average throughput: 29.92 Mbit/s
95th percentile per-packet one-way delay: 267.638 ms
Loss rate: 2.18%

Run 3: Report of Verus — Data Link

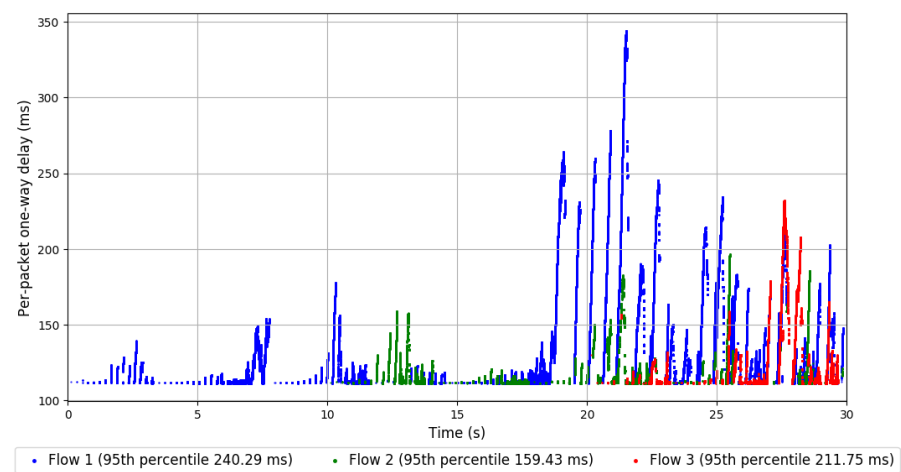
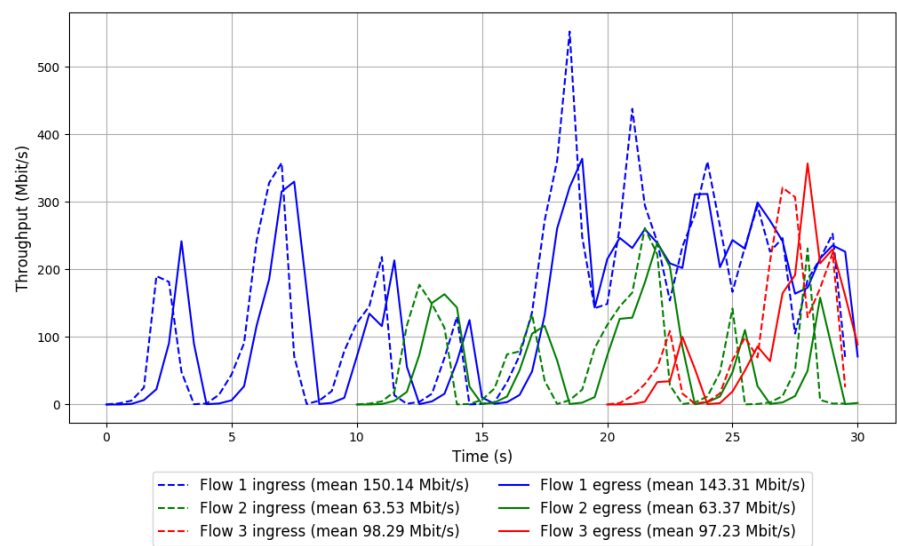


Run 4: Statistics of Verus

Start at: 2018-08-09 07:19:40
End at: 2018-08-09 07:20:10
Local clock offset: -0.237 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-08-09 12:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.42 Mbit/s
95th percentile per-packet one-way delay: 226.228 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 143.31 Mbit/s
95th percentile per-packet one-way delay: 240.292 ms
Loss rate: 4.50%
-- Flow 2:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 159.427 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 211.749 ms
Loss rate: 1.27%

Run 4: Report of Verus — Data Link

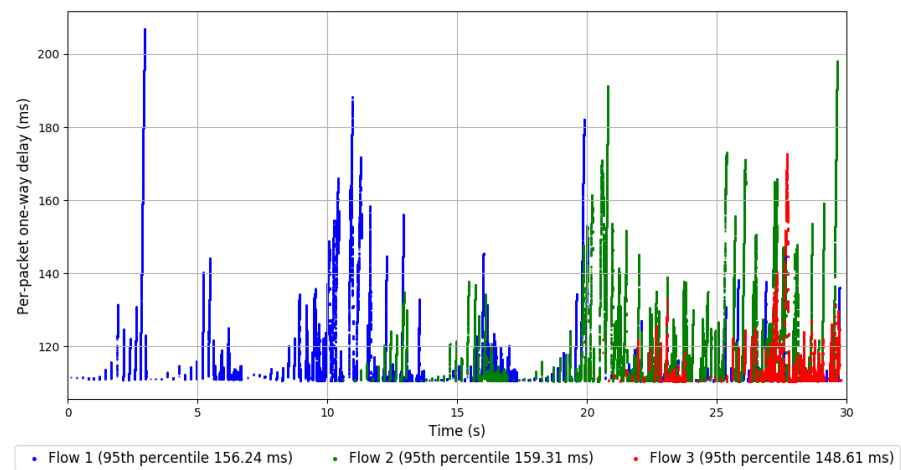
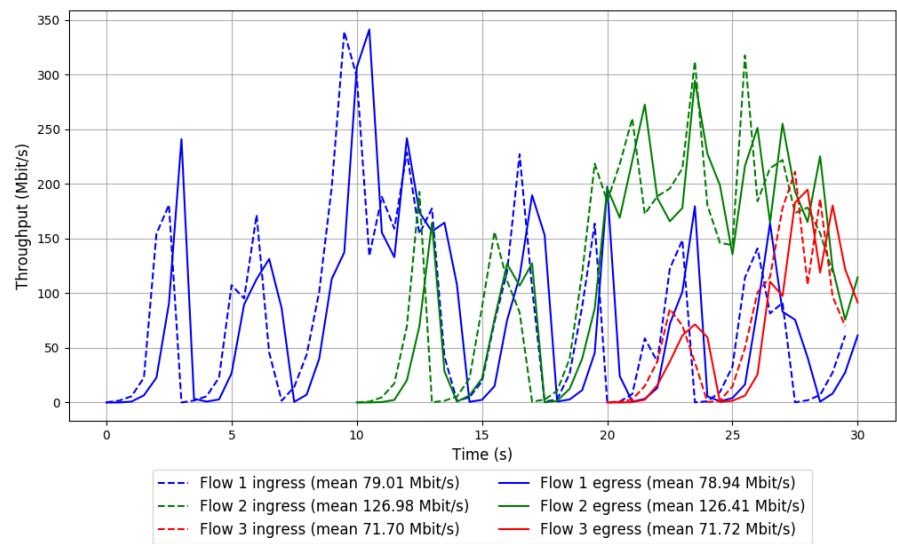


Run 5: Statistics of Verus

Start at: 2018-08-09 07:46:35
End at: 2018-08-09 07:47:05
Local clock offset: 0.019 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-08-09 12:55:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 185.03 Mbit/s
95th percentile per-packet one-way delay: 157.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: 156.244 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.41 Mbit/s
95th percentile per-packet one-way delay: 159.312 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 71.72 Mbit/s
95th percentile per-packet one-way delay: 148.609 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link

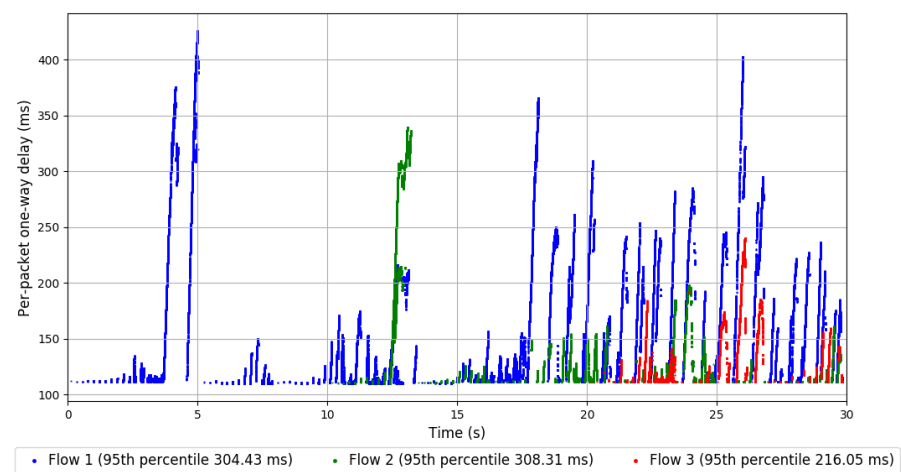
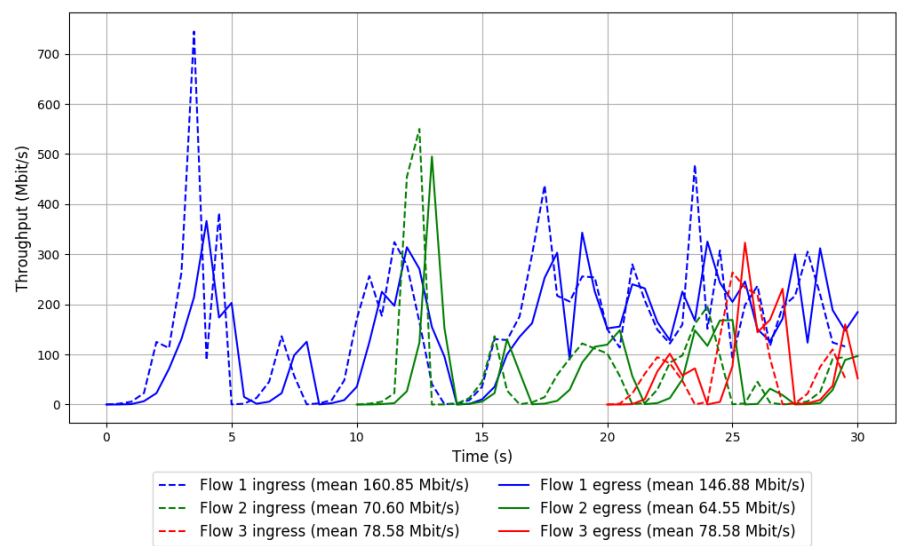


Run 6: Statistics of Verus

Start at: 2018-08-09 08:13:18
End at: 2018-08-09 08:13:48
Local clock offset: -0.194 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-08-09 12:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 214.98 Mbit/s
95th percentile per-packet one-way delay: 304.841 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 146.88 Mbit/s
95th percentile per-packet one-way delay: 304.425 ms
Loss rate: 8.69%
-- Flow 2:
Average throughput: 64.55 Mbit/s
95th percentile per-packet one-way delay: 308.310 ms
Loss rate: 8.46%
-- Flow 3:
Average throughput: 78.58 Mbit/s
95th percentile per-packet one-way delay: 216.052 ms
Loss rate: 0.01%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-08-09 08:39:42

End at: 2018-08-09 08:40:12

Local clock offset: -1.279 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-08-09 12:56:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 188.32 Mbit/s

95th percentile per-packet one-way delay: 247.175 ms

Loss rate: 5.79%

-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 303.067 ms

Loss rate: 9.54%

-- Flow 2:

Average throughput: 132.00 Mbit/s

95th percentile per-packet one-way delay: 177.433 ms

Loss rate: 1.02%

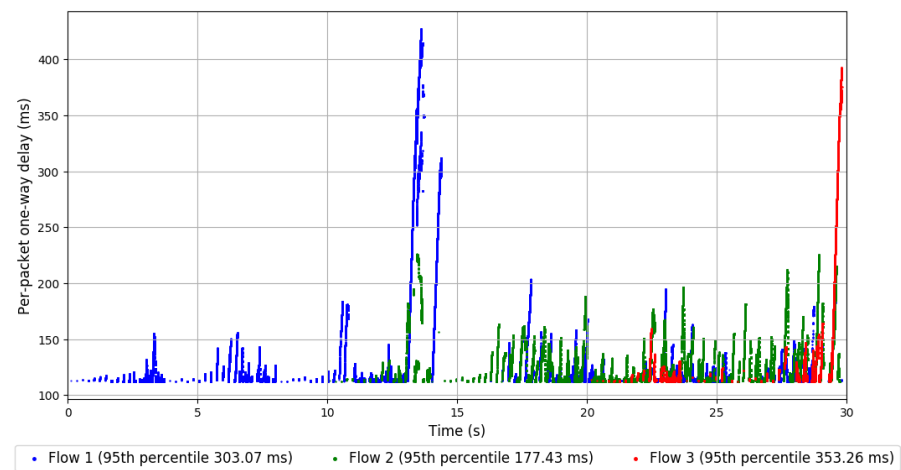
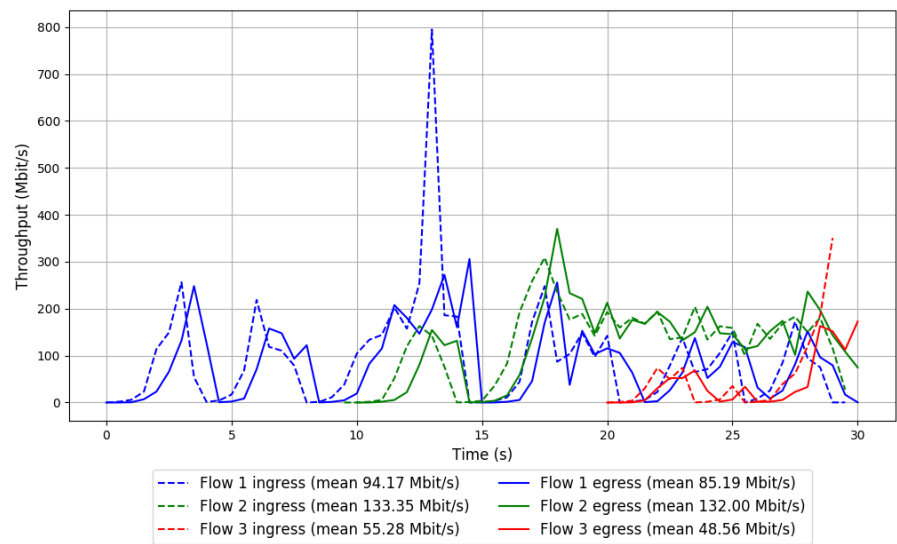
-- Flow 3:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 353.258 ms

Loss rate: 9.77%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-09 09:06:14

End at: 2018-08-09 09:06:44

Local clock offset: -0.03 ms

Remote clock offset: 0.17 ms

Below is generated by plot.py at 2018-08-09 12:58:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.38 Mbit/s

95th percentile per-packet one-way delay: 282.875 ms

Loss rate: 5.73%

-- Flow 1:

Average throughput: 144.09 Mbit/s

95th percentile per-packet one-way delay: 229.943 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 164.36 Mbit/s

95th percentile per-packet one-way delay: 320.061 ms

Loss rate: 11.07%

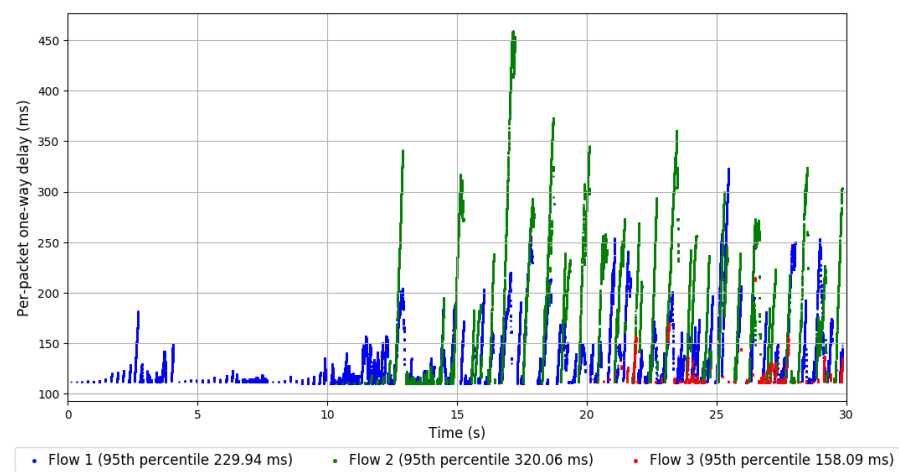
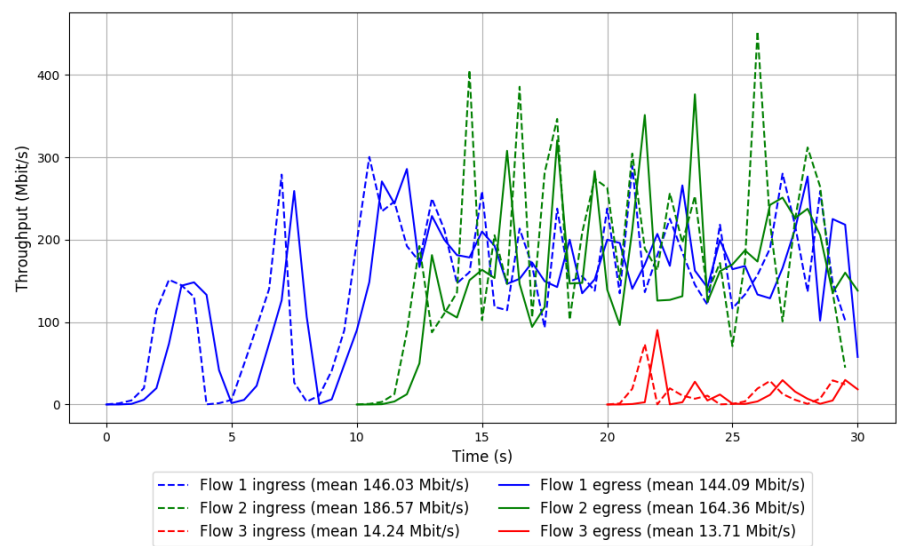
-- Flow 3:

Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 158.092 ms

Loss rate: 3.70%

Run 8: Report of Verus — Data Link

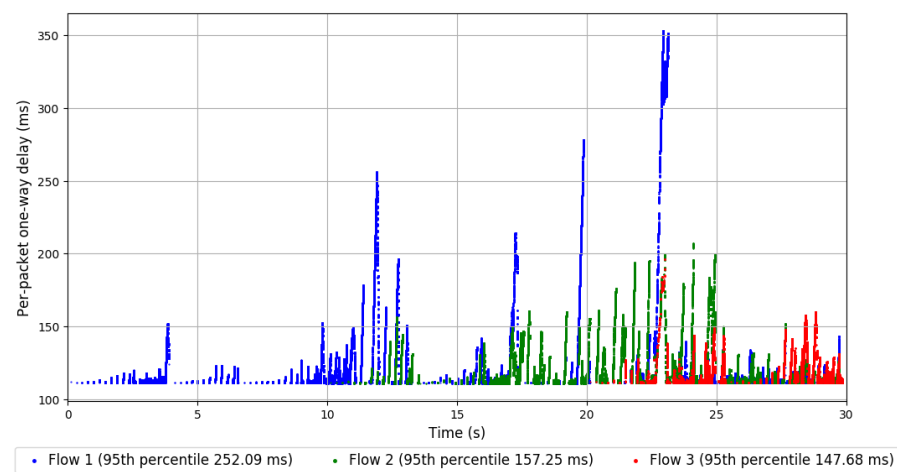
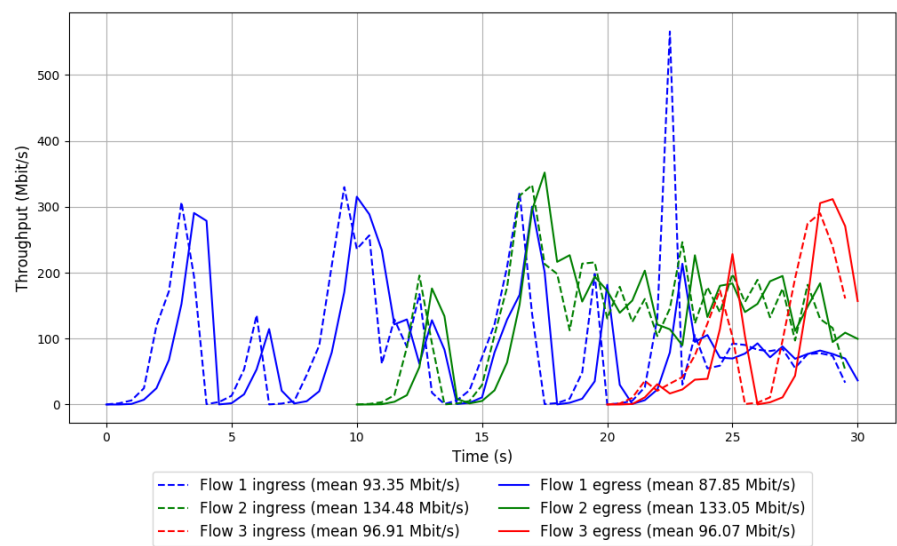


Run 9: Statistics of Verus

Start at: 2018-08-09 09:32:33
End at: 2018-08-09 09:33:03
Local clock offset: -0.095 ms
Remote clock offset: -0.423 ms

Below is generated by plot.py at 2018-08-09 12:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.96 Mbit/s
95th percentile per-packet one-way delay: 178.405 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 87.85 Mbit/s
95th percentile per-packet one-way delay: 252.090 ms
Loss rate: 5.89%
-- Flow 2:
Average throughput: 133.05 Mbit/s
95th percentile per-packet one-way delay: 157.252 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 147.682 ms
Loss rate: 0.89%

Run 9: Report of Verus — Data Link

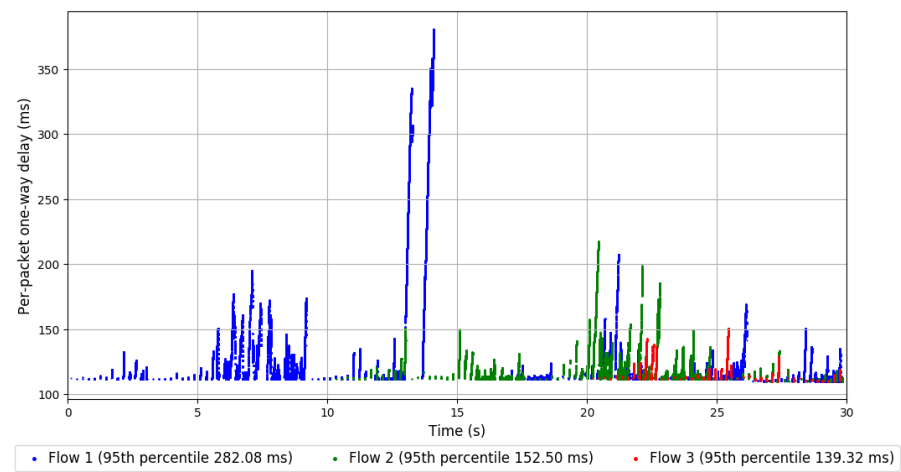
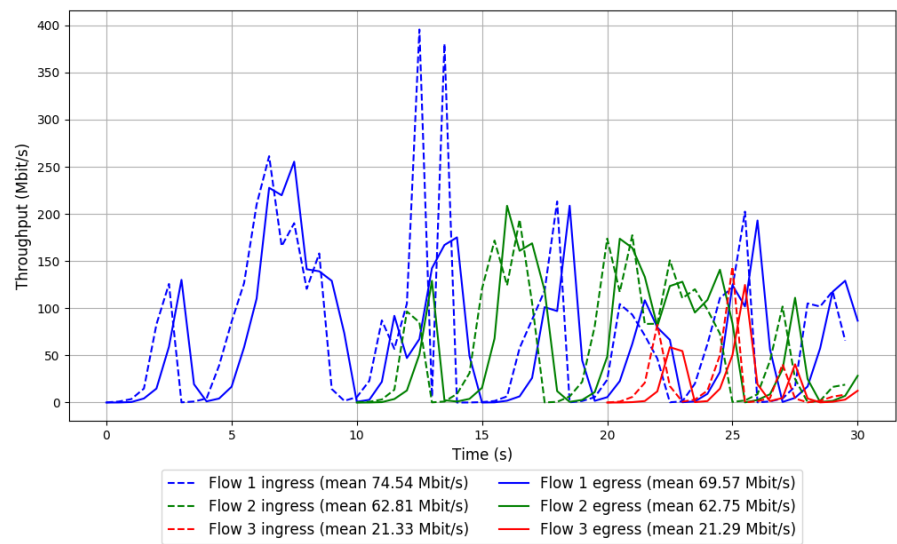


Run 10: Statistics of Verus

Start at: 2018-08-09 09:59:17
End at: 2018-08-09 09:59:47
Local clock offset: 0.144 ms
Remote clock offset: -0.277 ms

Below is generated by plot.py at 2018-08-09 12:58:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.00 Mbit/s
95th percentile per-packet one-way delay: 198.068 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 282.085 ms
Loss rate: 6.66%
-- Flow 2:
Average throughput: 62.75 Mbit/s
95th percentile per-packet one-way delay: 152.500 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 139.318 ms
Loss rate: 0.16%

Run 10: Report of Verus — Data Link

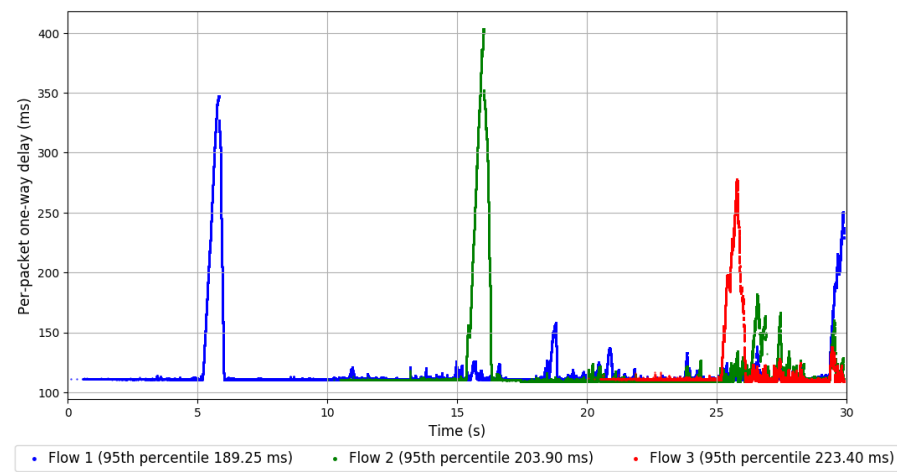
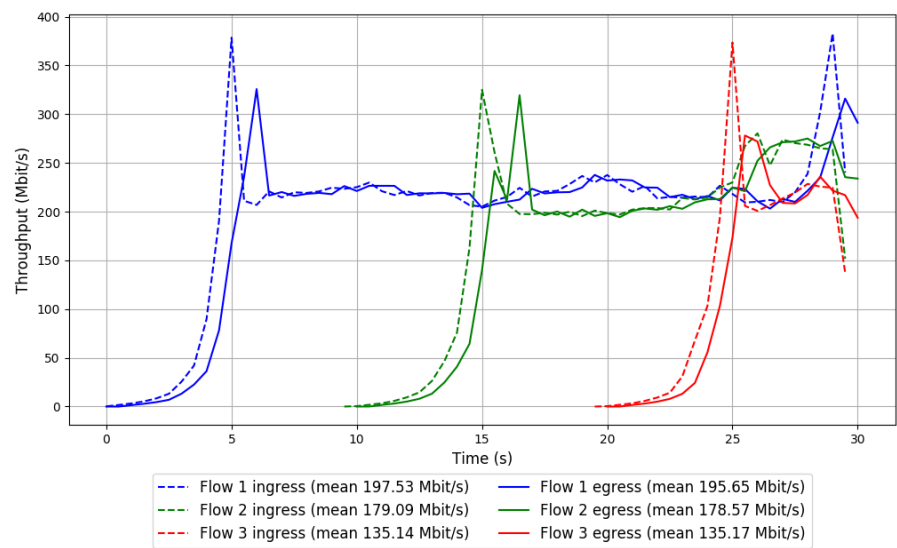


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-09 06:20:08
End at: 2018-08-09 06:20:38
Local clock offset: -0.122 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-08-09 13:00:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.49 Mbit/s
95th percentile per-packet one-way delay: 200.918 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 195.65 Mbit/s
95th percentile per-packet one-way delay: 189.245 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 178.57 Mbit/s
95th percentile per-packet one-way delay: 203.903 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 135.17 Mbit/s
95th percentile per-packet one-way delay: 223.396 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

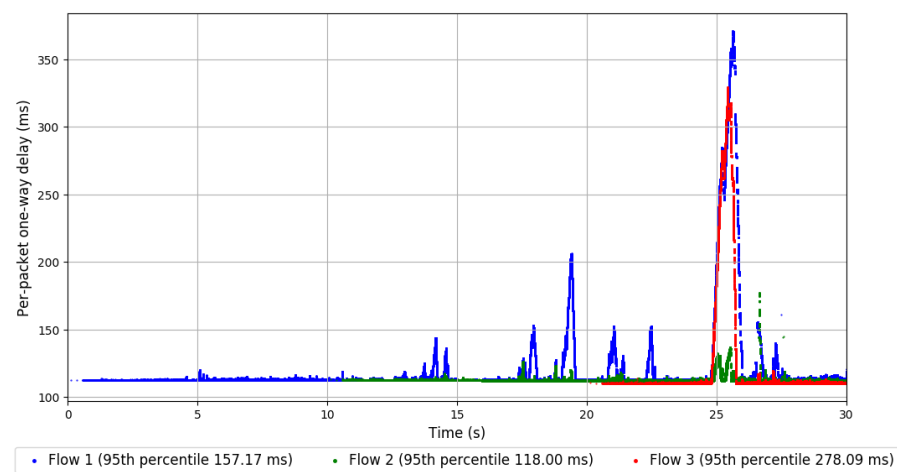
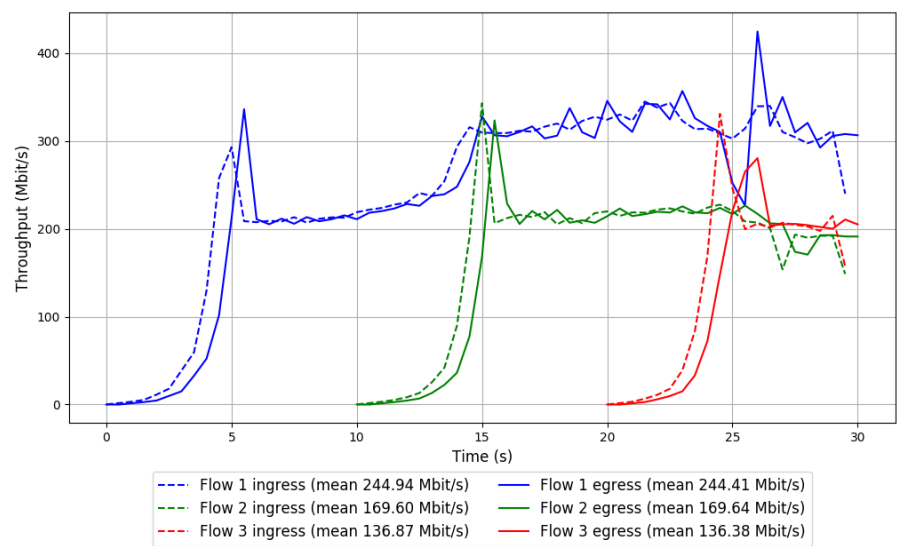


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-09 06:46:27
End at: 2018-08-09 06:46:57
Local clock offset: -1.277 ms
Remote clock offset: -0.119 ms

Below is generated by plot.py at 2018-08-09 13:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 402.18 Mbit/s
95th percentile per-packet one-way delay: 155.350 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 244.41 Mbit/s
95th percentile per-packet one-way delay: 157.172 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 169.64 Mbit/s
95th percentile per-packet one-way delay: 117.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.38 Mbit/s
95th percentile per-packet one-way delay: 278.088 ms
Loss rate: 0.36%

Run 2: Report of PCC-Vivace — Data Link

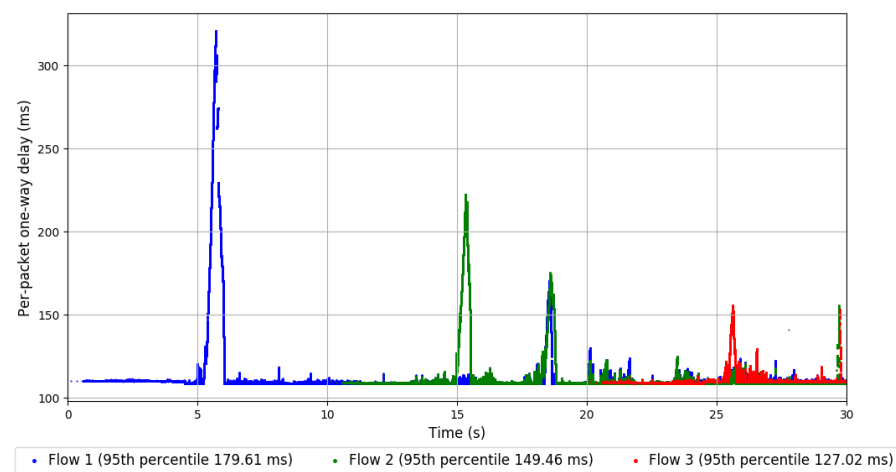
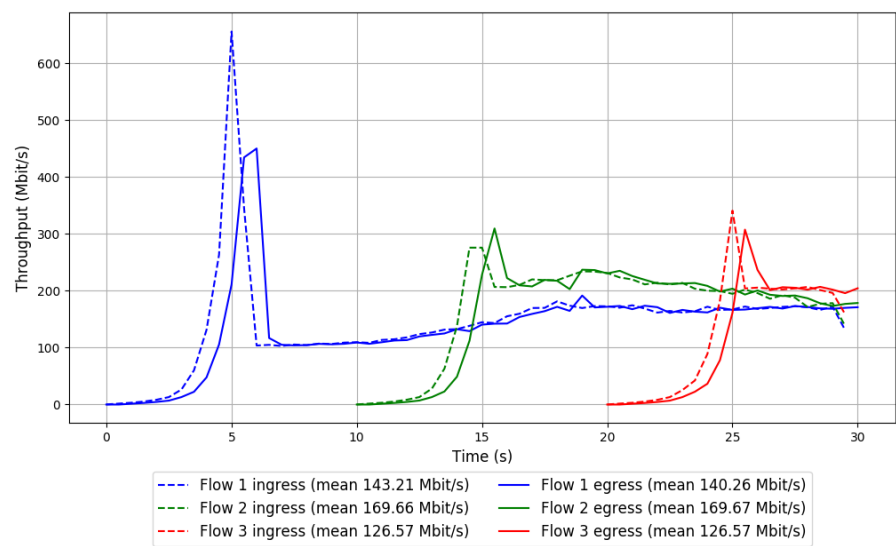


Run 3: Statistics of PCC-Vivace

Start at: 2018-08-09 07:13:19
End at: 2018-08-09 07:13:49
Local clock offset: 1.009 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2018-08-09 13:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.85 Mbit/s
95th percentile per-packet one-way delay: 155.079 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 140.26 Mbit/s
95th percentile per-packet one-way delay: 179.613 ms
Loss rate: 2.06%
-- Flow 2:
Average throughput: 169.67 Mbit/s
95th percentile per-packet one-way delay: 149.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.57 Mbit/s
95th percentile per-packet one-way delay: 127.024 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

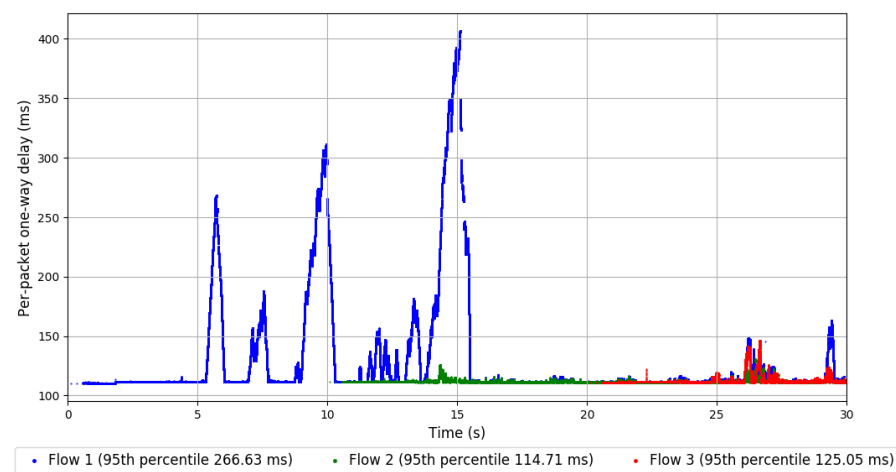
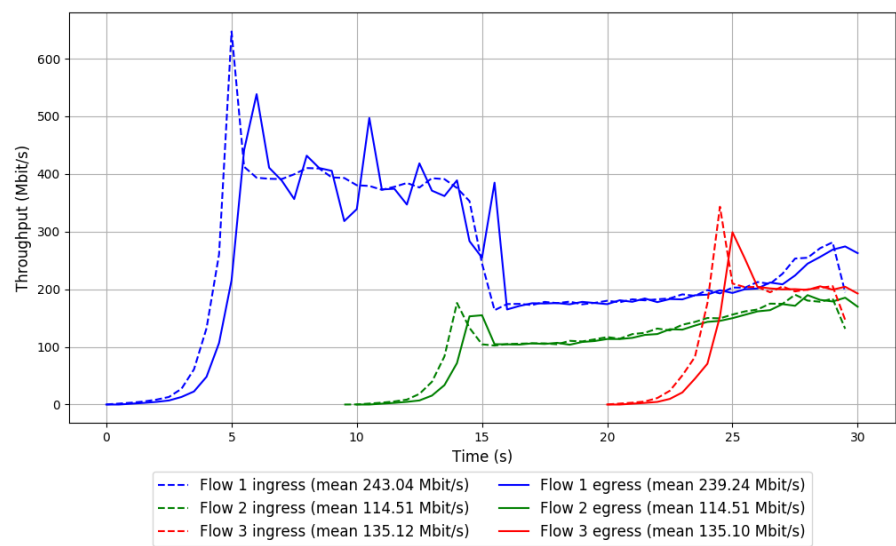


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-09 07:40:11
End at: 2018-08-09 07:40:41
Local clock offset: -0.032 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-08-09 13:02:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.06 Mbit/s
95th percentile per-packet one-way delay: 235.101 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 239.24 Mbit/s
95th percentile per-packet one-way delay: 266.631 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 114.51 Mbit/s
95th percentile per-packet one-way delay: 114.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 135.10 Mbit/s
95th percentile per-packet one-way delay: 125.048 ms
Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

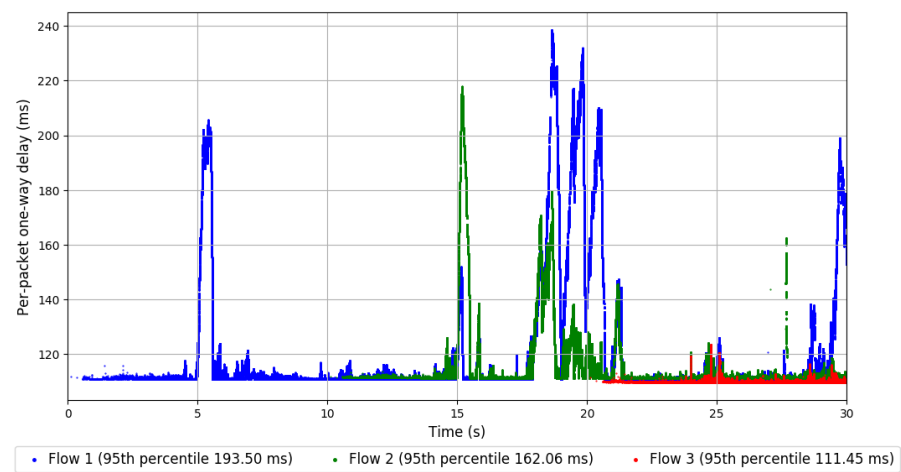
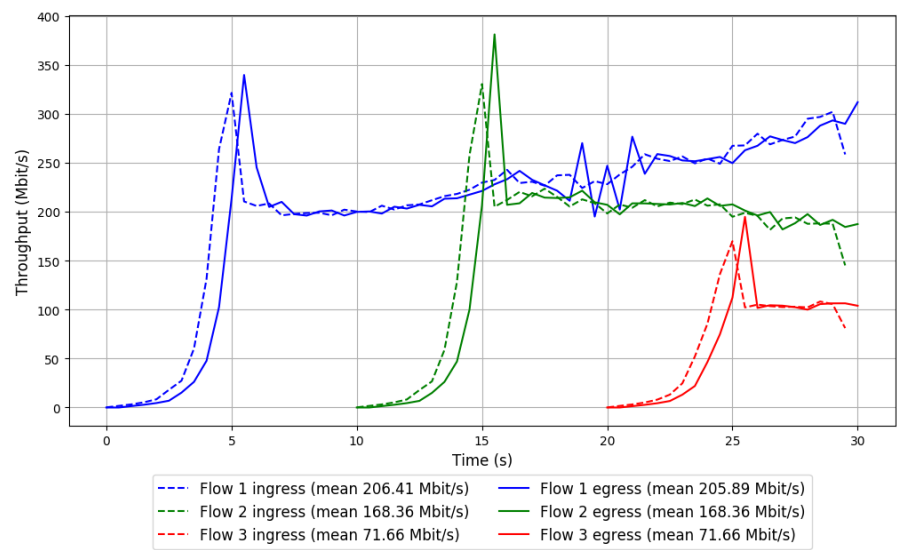


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-09 08:07:03
End at: 2018-08-09 08:07:33
Local clock offset: -0.001 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-08-09 13:02:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.49 Mbit/s
95th percentile per-packet one-way delay: 184.625 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 205.89 Mbit/s
95th percentile per-packet one-way delay: 193.495 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 168.36 Mbit/s
95th percentile per-packet one-way delay: 162.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.66 Mbit/s
95th percentile per-packet one-way delay: 111.451 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

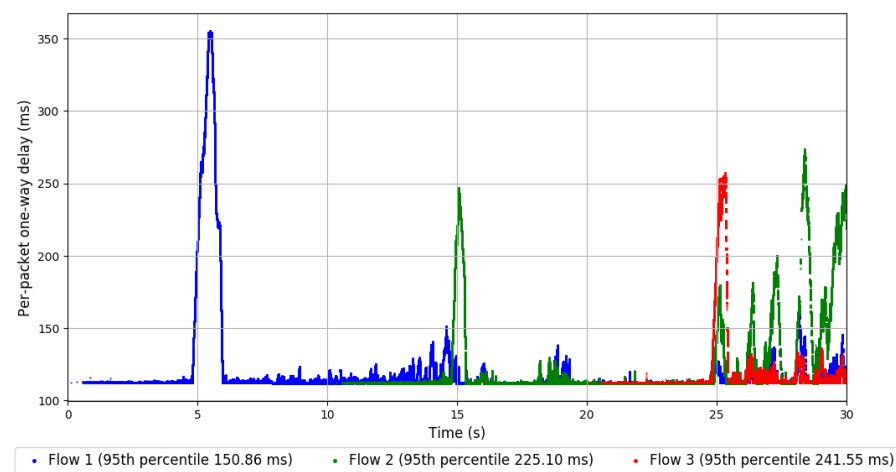
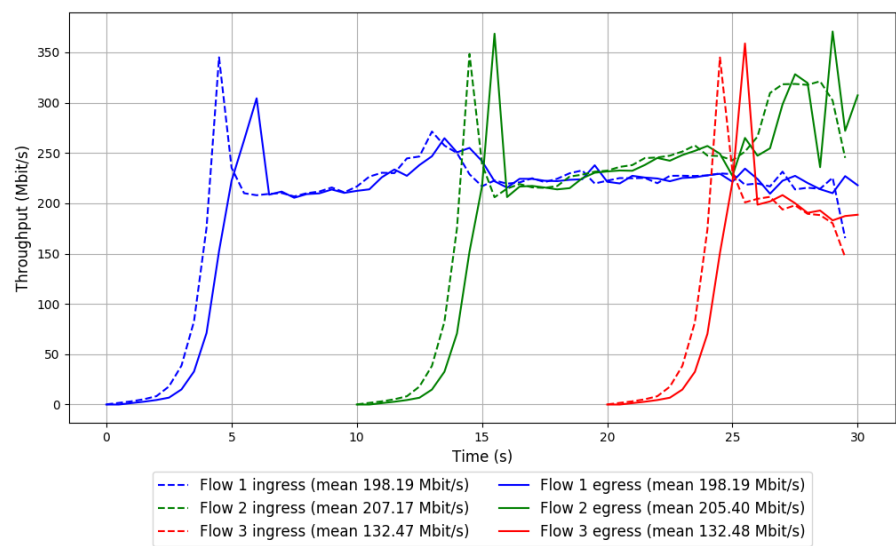


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-09 08:33:25
End at: 2018-08-09 08:33:55
Local clock offset: -1.512 ms
Remote clock offset: -0.332 ms

Below is generated by plot.py at 2018-08-09 13:03:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.50 Mbit/s
95th percentile per-packet one-way delay: 220.972 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 198.19 Mbit/s
95th percentile per-packet one-way delay: 150.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 205.40 Mbit/s
95th percentile per-packet one-way delay: 225.104 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 132.48 Mbit/s
95th percentile per-packet one-way delay: 241.554 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

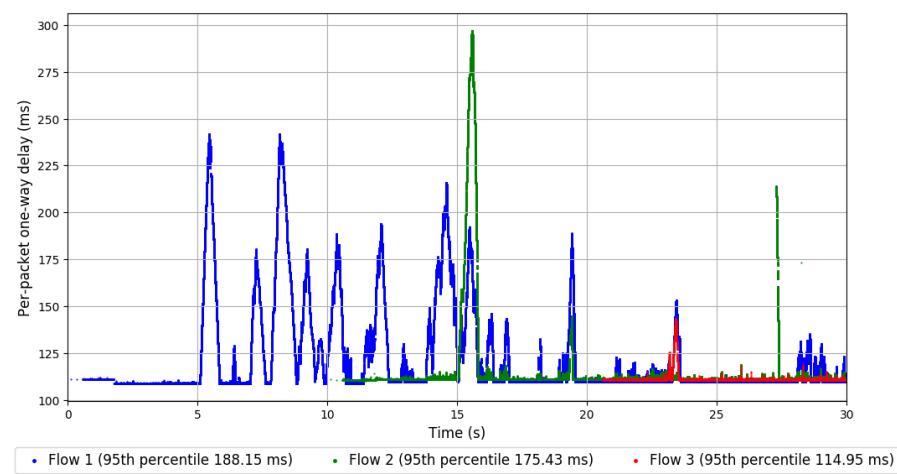
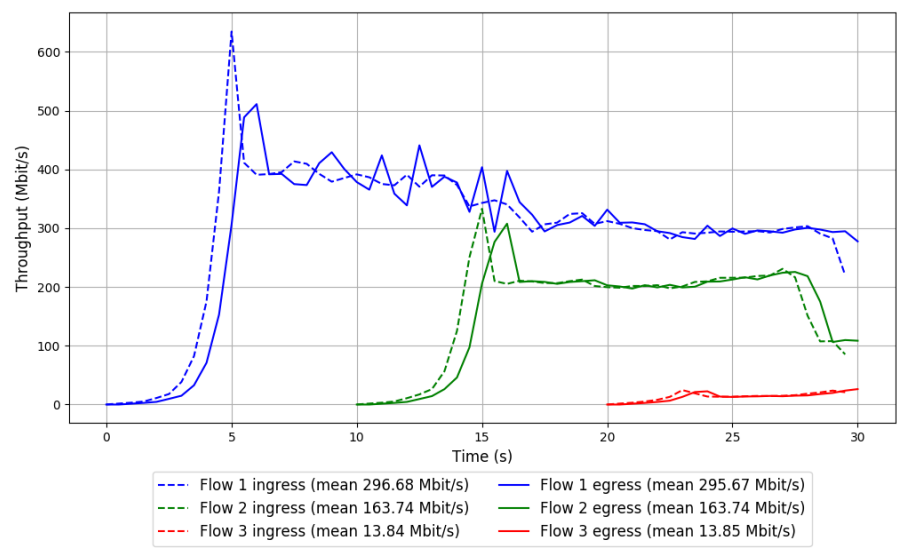


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-09 09:00:01
End at: 2018-08-09 09:00:31
Local clock offset: 0.06 ms
Remote clock offset: -0.542 ms

Below is generated by plot.py at 2018-08-09 13:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.12 Mbit/s
95th percentile per-packet one-way delay: 186.561 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 295.67 Mbit/s
95th percentile per-packet one-way delay: 188.146 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 163.74 Mbit/s
95th percentile per-packet one-way delay: 175.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 114.947 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

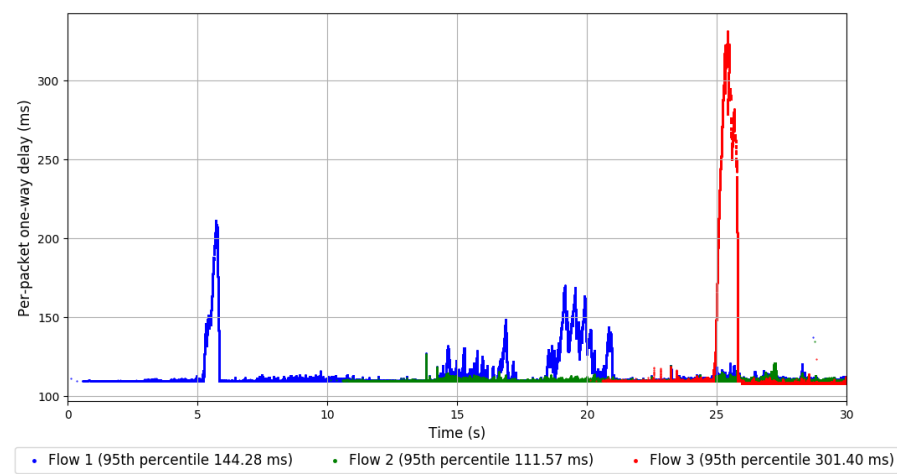
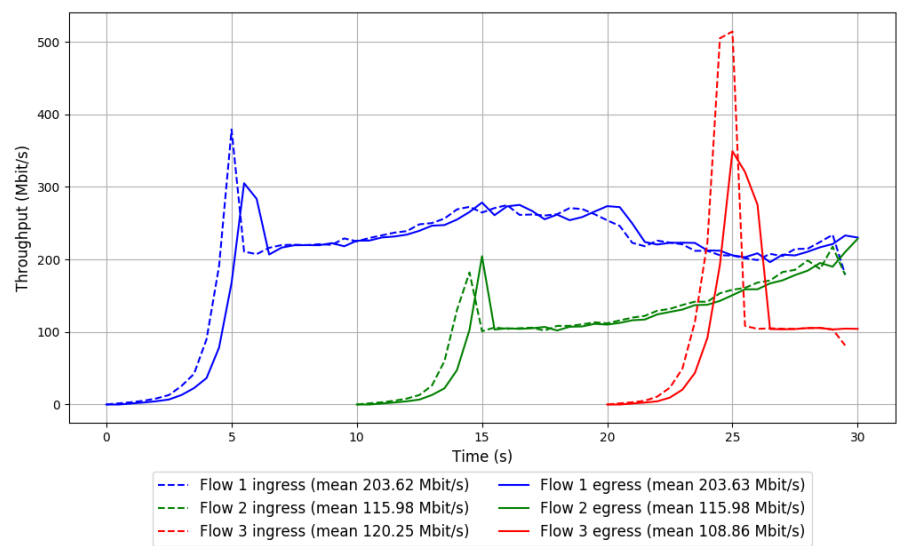


Run 8: Statistics of PCC-Vivace

Start at: 2018-08-09 09:26:17
End at: 2018-08-09 09:26:47
Local clock offset: 1.157 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-08-09 13:03:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.69 Mbit/s
95th percentile per-packet one-way delay: 149.056 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 203.63 Mbit/s
95th percentile per-packet one-way delay: 144.283 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.98 Mbit/s
95th percentile per-packet one-way delay: 111.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 108.86 Mbit/s
95th percentile per-packet one-way delay: 301.400 ms
Loss rate: 9.49%

Run 8: Report of PCC-Vivace — Data Link

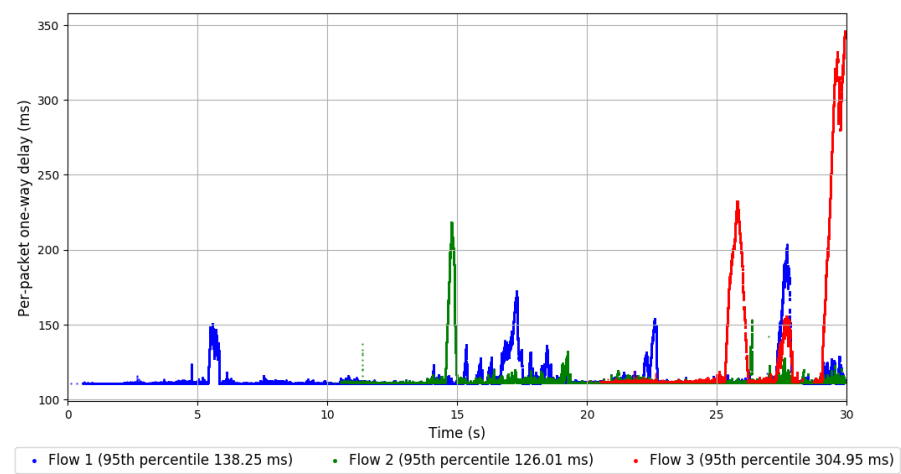
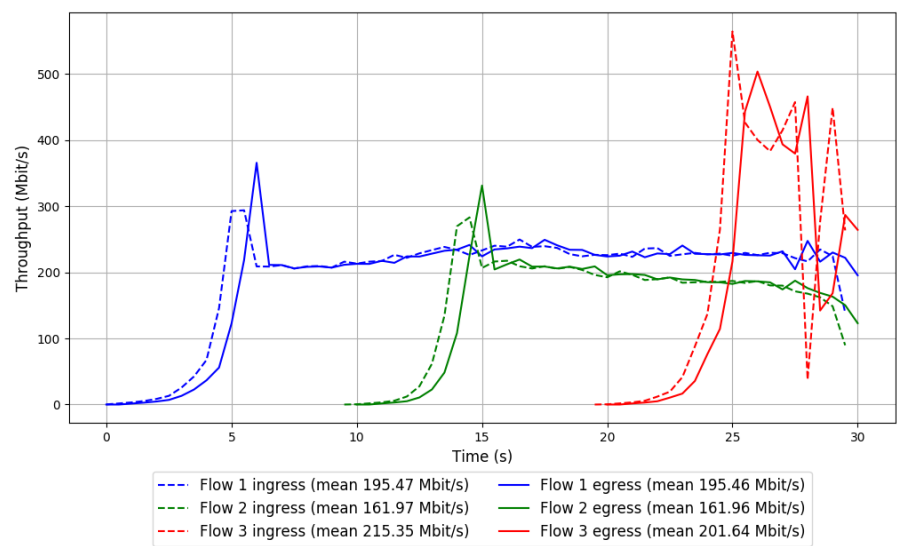


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-09 09:52:57
End at: 2018-08-09 09:53:27
Local clock offset: -0.074 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-08-09 13:04:18
Datalink statistics
-- Total of 3 flows:
Average throughput: 370.19 Mbit/s
95th percentile per-packet one-way delay: 183.612 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 195.46 Mbit/s
95th percentile per-packet one-way delay: 138.250 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.96 Mbit/s
95th percentile per-packet one-way delay: 126.008 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 201.64 Mbit/s
95th percentile per-packet one-way delay: 304.949 ms
Loss rate: 6.36%

Run 9: Report of PCC-Vivace — Data Link

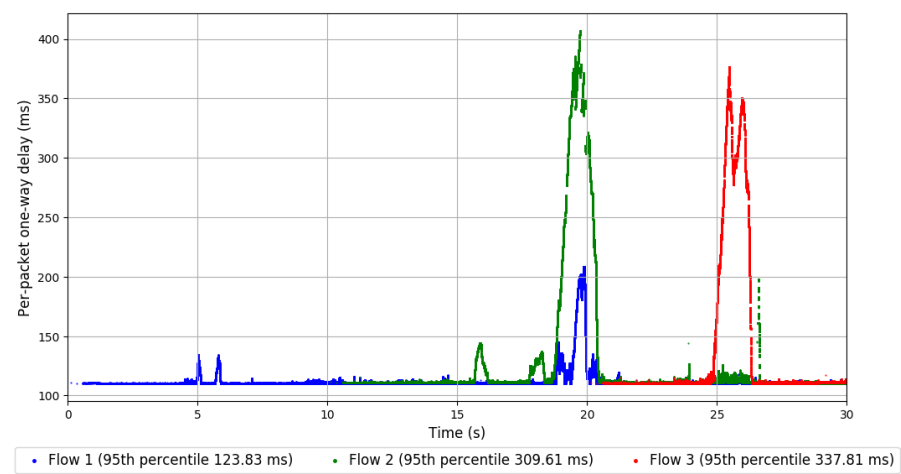
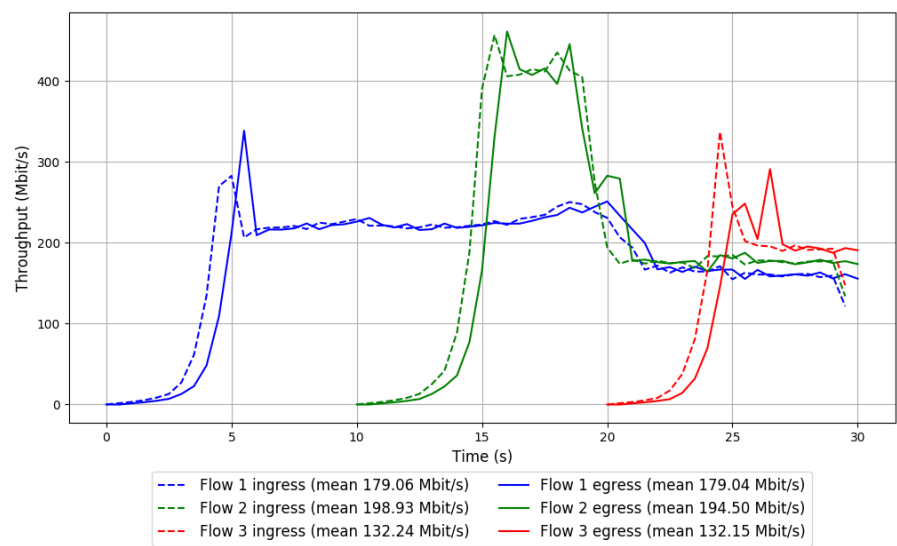


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-09 10:20:06
End at: 2018-08-09 10:20:36
Local clock offset: -0.15 ms
Remote clock offset: -0.739 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.95 Mbit/s
95th percentile per-packet one-way delay: 248.020 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 179.04 Mbit/s
95th percentile per-packet one-way delay: 123.835 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 194.50 Mbit/s
95th percentile per-packet one-way delay: 309.614 ms
Loss rate: 2.24%
-- Flow 3:
Average throughput: 132.15 Mbit/s
95th percentile per-packet one-way delay: 337.809 ms
Loss rate: 0.07%

Run 10: Report of PCC-Vivace — Data Link

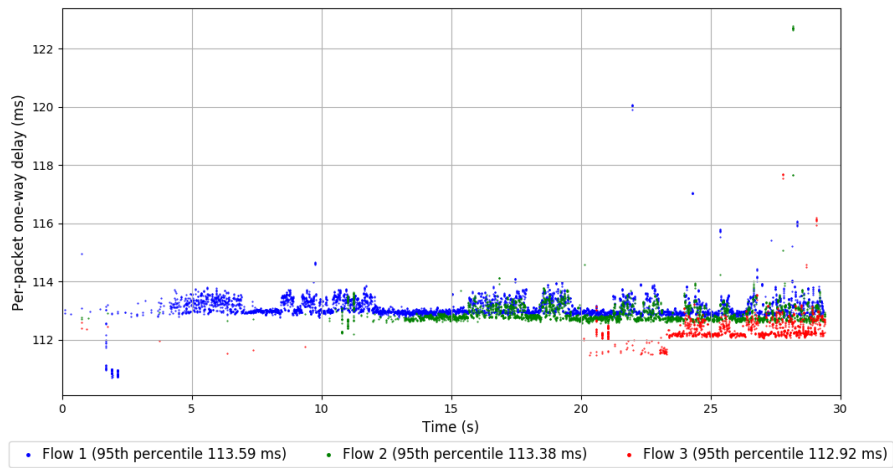
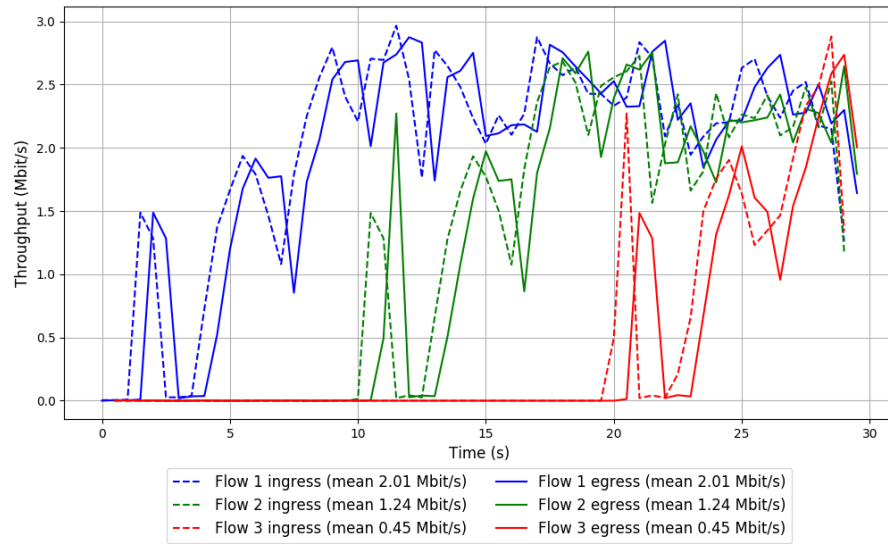


Run 1: Statistics of WebRTC media

Start at: 2018-08-09 06:03:59
End at: 2018-08-09 06:04:29
Local clock offset: -1.438 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 113.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 113.594 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 113.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 112.922 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

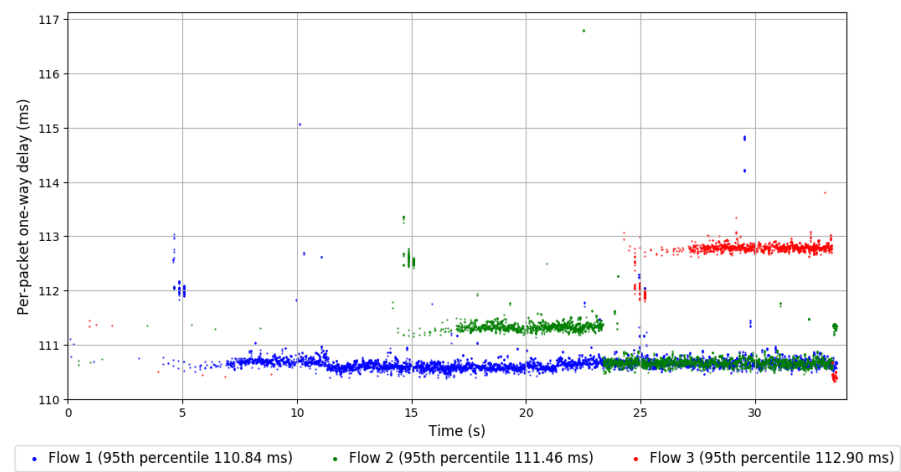
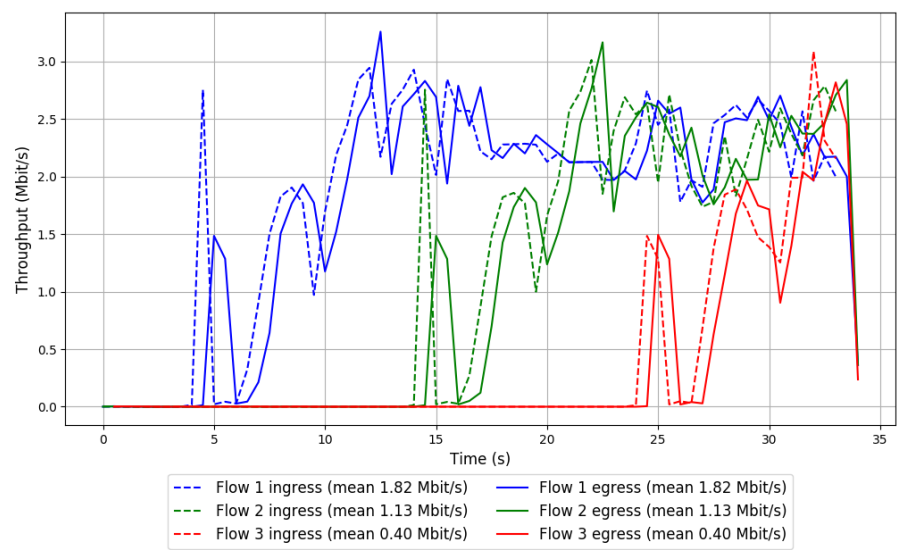


Run 2: Statistics of WebRTC media

Start at: 2018-08-09 06:30:35
End at: 2018-08-09 06:31:05
Local clock offset: -1.101 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 112.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 110.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 111.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.900 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

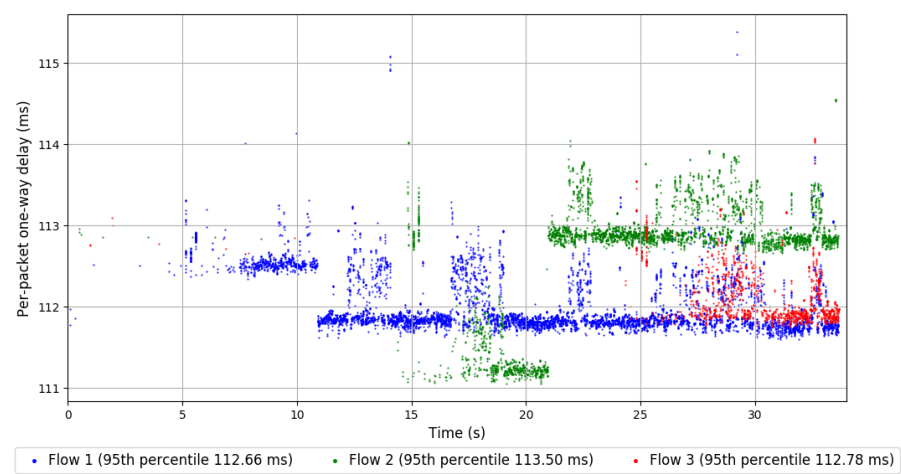
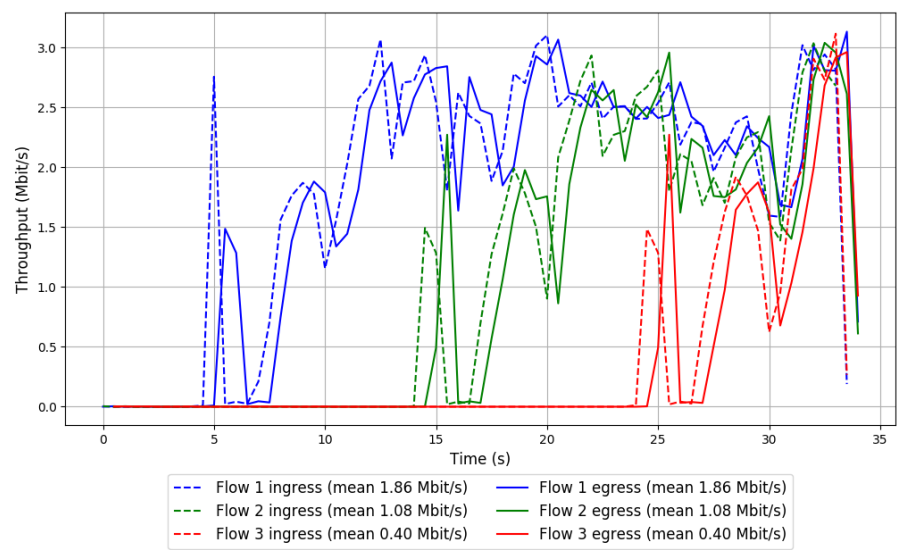


Run 3: Statistics of WebRTC media

Start at: 2018-08-09 06:57:18
End at: 2018-08-09 06:57:48
Local clock offset: -1.292 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.32 Mbit/s
95th percentile per-packet one-way delay: 113.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 112.659 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 113.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 112.775 ms
Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-08-09 07:23:58

End at: 2018-08-09 07:24:28

Local clock offset: -0.055 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-08-09 13:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 111.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 111.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 111.037 ms

Loss rate: 0.00%

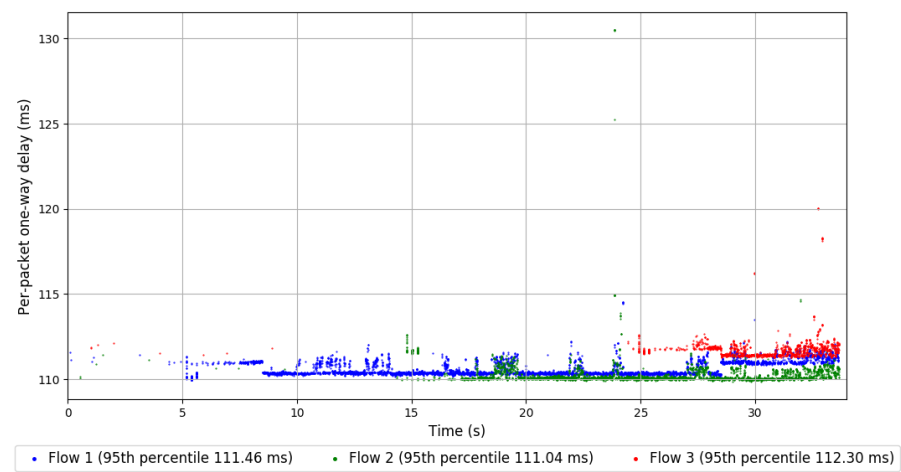
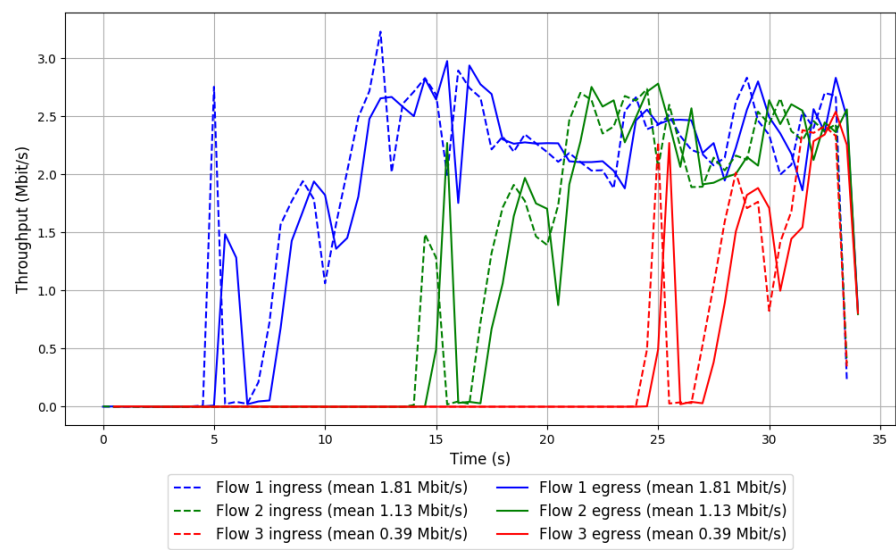
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 112.295 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

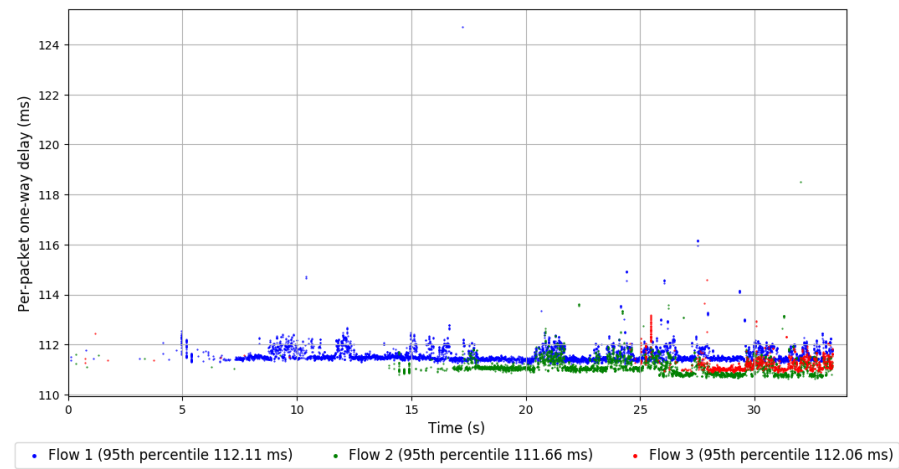
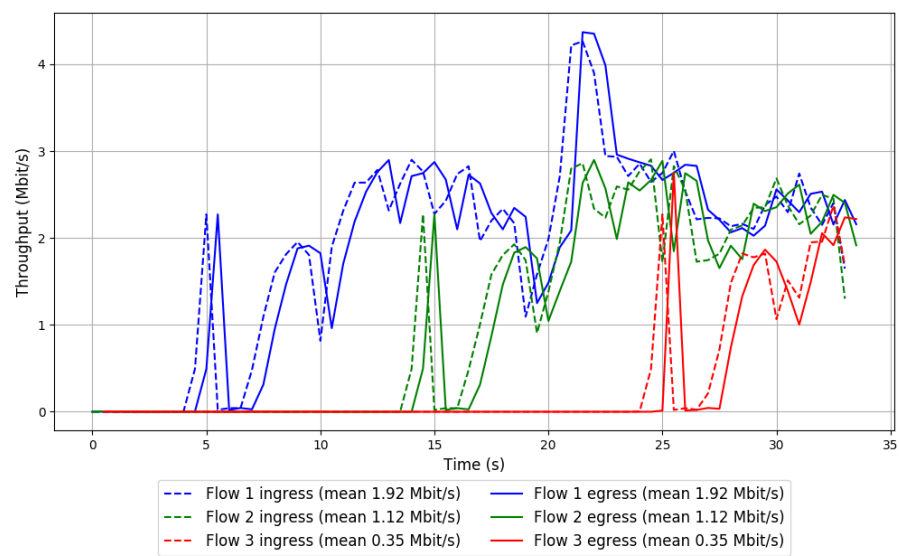


Run 5: Statistics of WebRTC media

Start at: 2018-08-09 07:50:51
End at: 2018-08-09 07:51:21
Local clock offset: -0.221 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 112.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 112.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 111.660 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 112.058 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-08-09 08:17:36

End at: 2018-08-09 08:18:06

Local clock offset: -0.04 ms

Remote clock offset: 0.156 ms

Below is generated by plot.py at 2018-08-09 13:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 111.992 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 112.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 111.951 ms

Loss rate: 0.00%

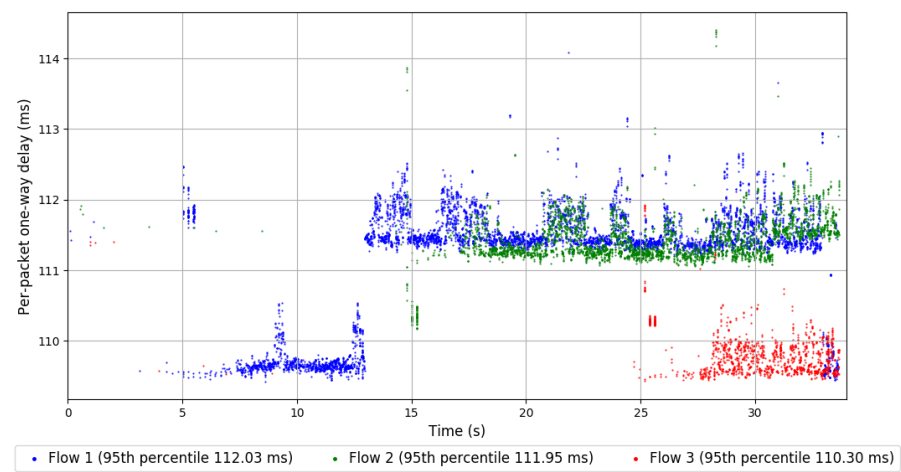
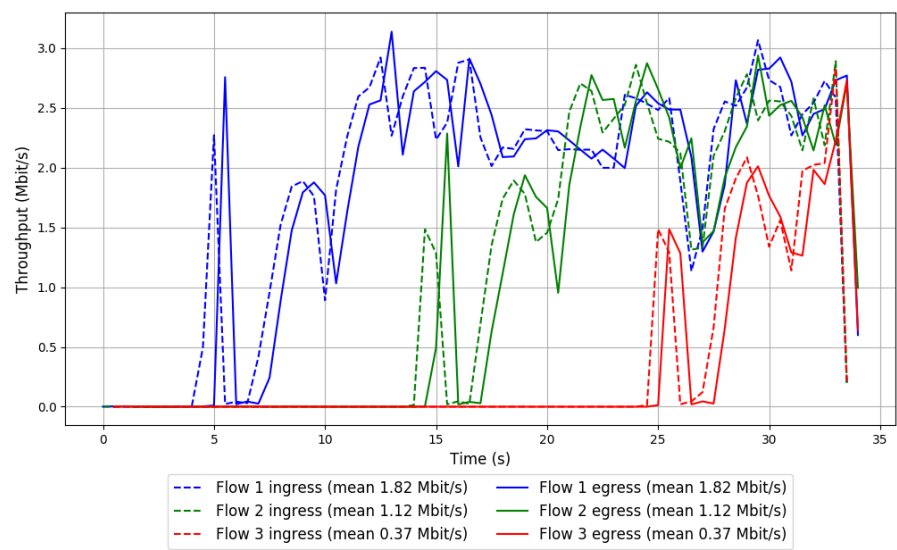
-- Flow 3:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 110.298 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-09 08:43:58

End at: 2018-08-09 08:44:28

Local clock offset: 1.048 ms

Remote clock offset: 0.228 ms

Below is generated by plot.py at 2018-08-09 13:04:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 110.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 110.791 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 110.943 ms

Loss rate: 0.00%

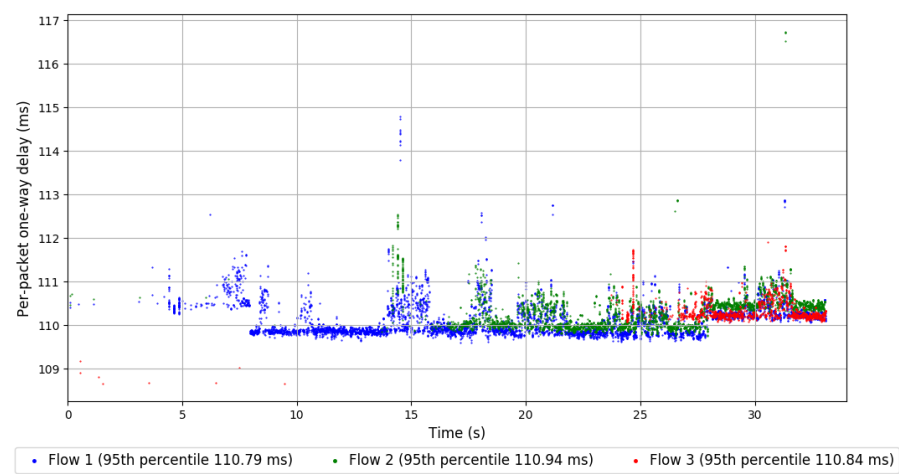
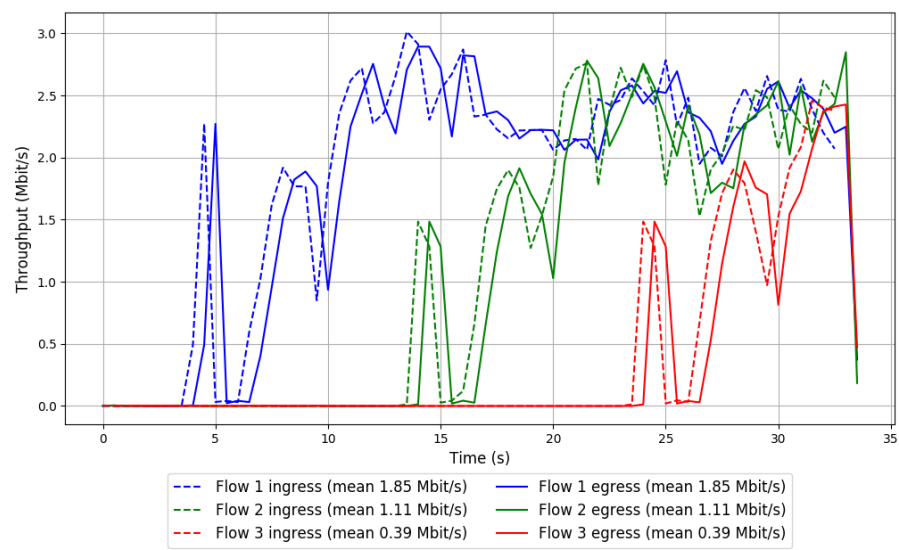
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 110.839 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

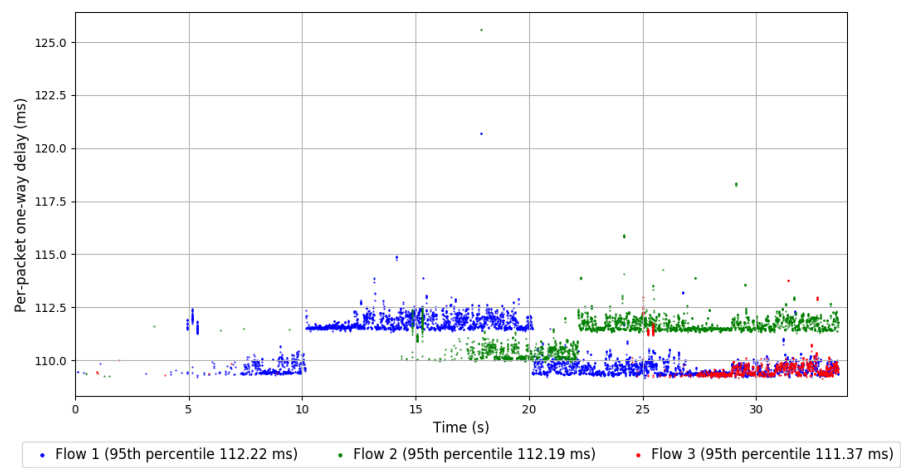
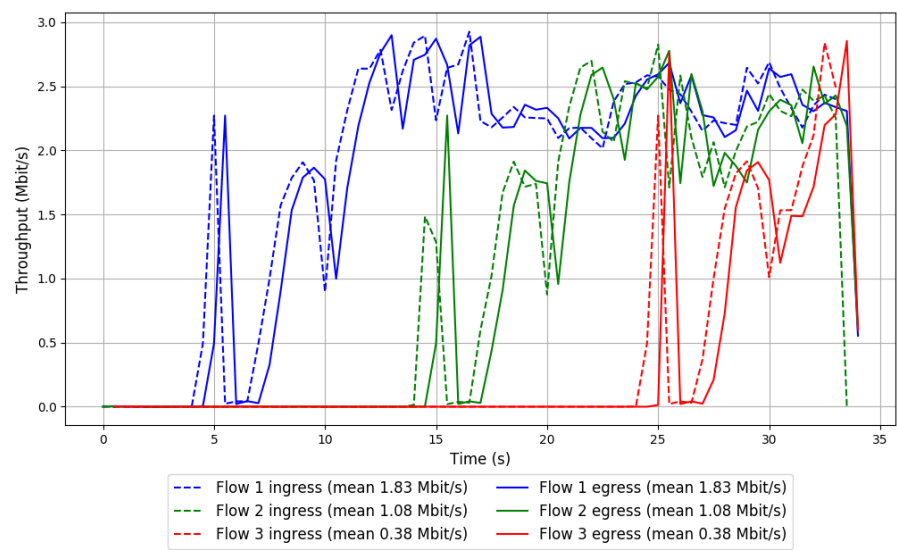


Run 8: Statistics of WebRTC media

Start at: 2018-08-09 09:10:37
End at: 2018-08-09 09:11:07
Local clock offset: 0.019 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 112.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 112.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 112.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.38 Mbit/s
95th percentile per-packet one-way delay: 111.374 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

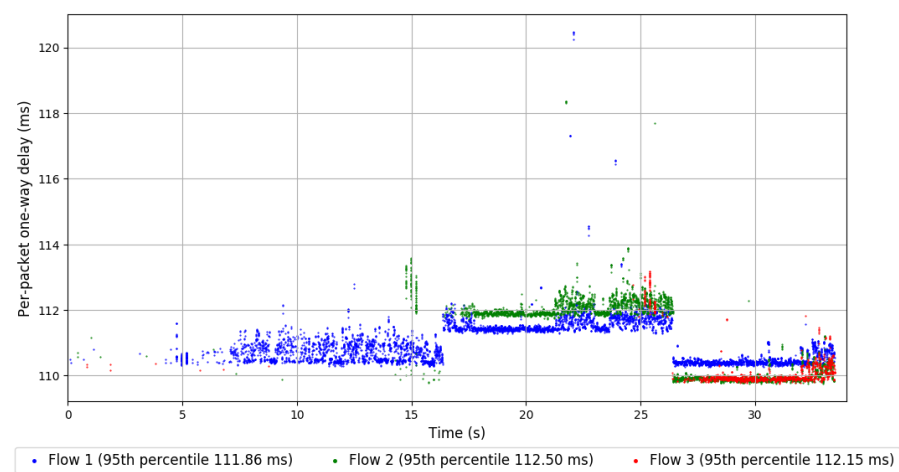
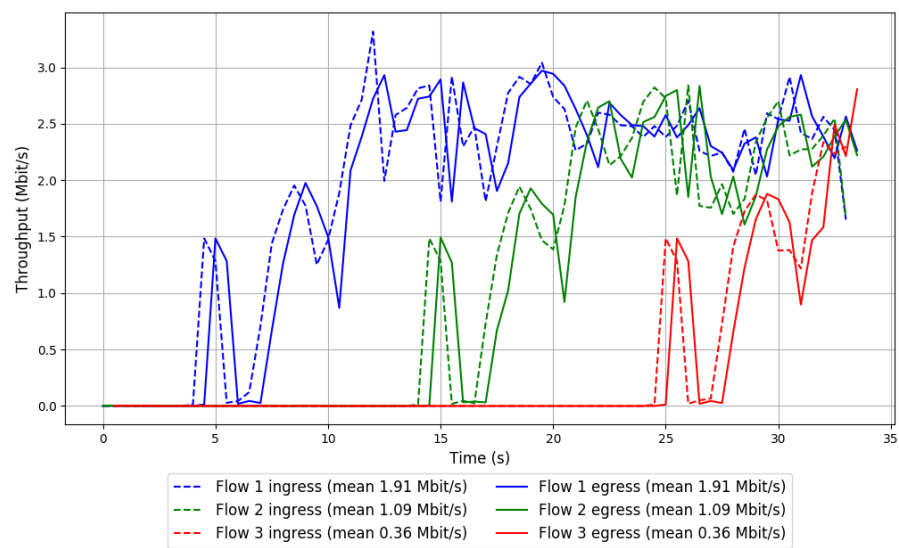


Run 9: Statistics of WebRTC media

Start at: 2018-08-09 09:36:50
End at: 2018-08-09 09:37:20
Local clock offset: -0.099 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.34 Mbit/s
95th percentile per-packet one-way delay: 112.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 111.858 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 112.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.152 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-08-09 10:03:26
End at: 2018-08-09 10:03:56
Local clock offset: 0.14 ms
Remote clock offset: -0.777 ms

Below is generated by plot.py at 2018-08-09 13:04:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.33 Mbit/s
95th percentile per-packet one-way delay: 111.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 112.032 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 111.406 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 111.067 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

