

Pantheon Report

Generated at 2018-06-29 22:50:07 (UTC).

Data path: GCE Sydney Ethernet (*local*) → GCE Iowa 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.

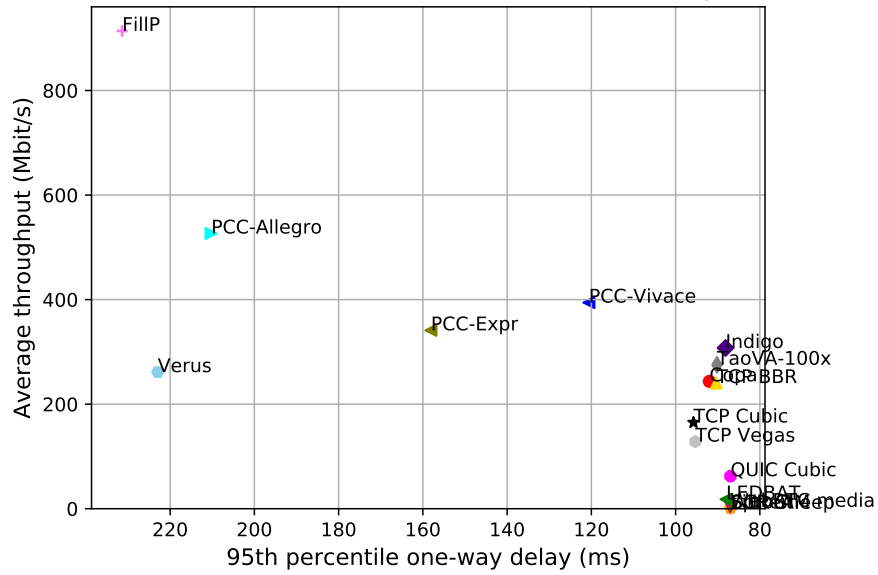
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

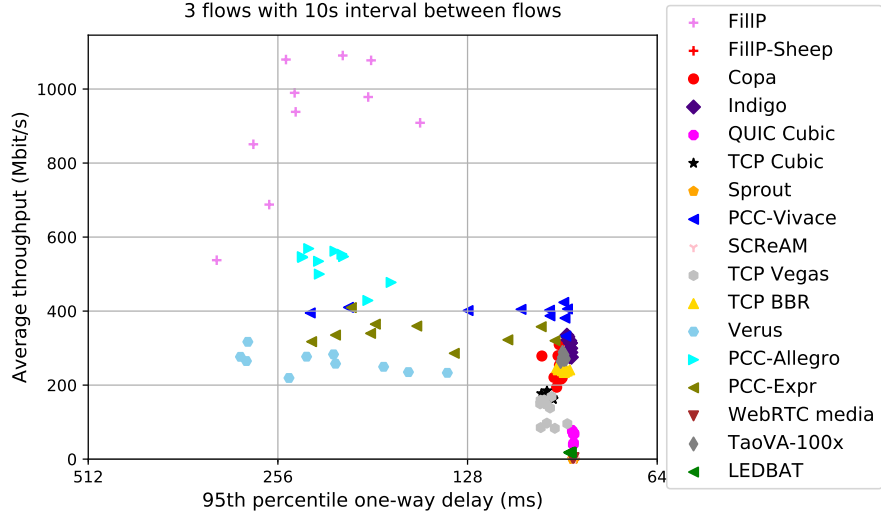
Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



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



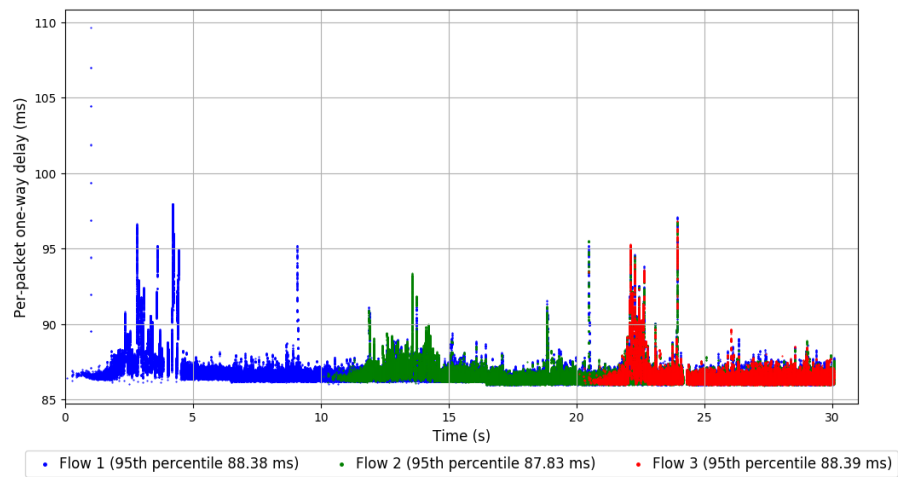
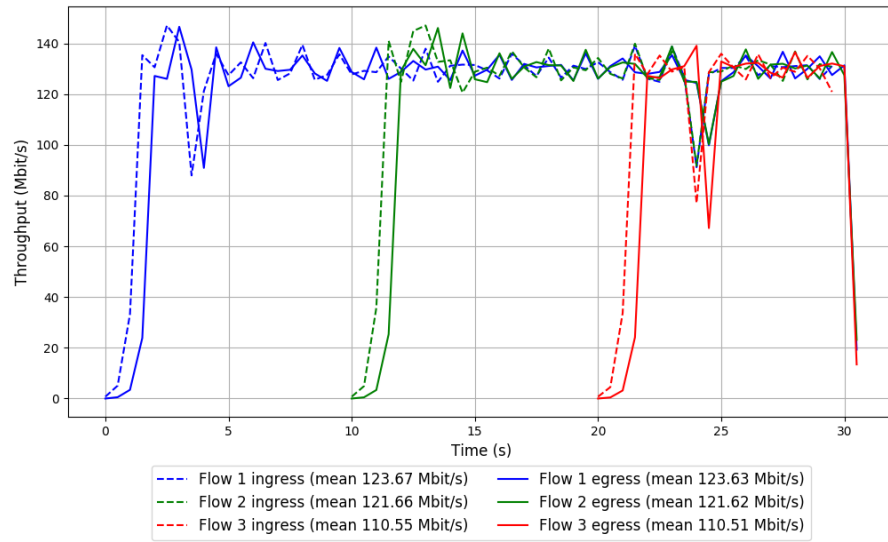
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	122.35	120.51	113.93	89.17	90.58	91.80	0.05	0.06	0.07
Copa	10	127.96	115.05	117.42	91.20	91.74	94.26	0.13	0.24	0.66
TCP Cubic	10	85.97	78.82	79.94	95.65	94.68	94.95	0.11	0.11	0.07
FillP	10	502.08	505.45	227.27	247.65	173.12	144.29	8.96	11.03	12.10
FillP-Sheep	10	0.00	0.00	0.00	86.78	86.75	86.81	0.00	0.00	0.00
Indigo	10	165.03	151.98	129.70	87.95	88.23	88.72	0.03	0.06	0.10
LEDBAT	10	11.75	7.64	3.71	88.15	87.84	87.78	0.00	0.00	0.00
PCC-Allegro	10	450.75	93.67	40.72	212.24	192.45	180.52	3.31	2.83	3.16
PCC-Expr	10	205.09	176.15	57.57	145.20	155.28	114.24	1.36	2.82	3.27
QUIC Cubic	10	32.03	33.15	25.33	86.81	86.97	86.81	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.75	86.61	86.69	0.00	0.00	0.00
Sprout	10	0.27	0.30	0.35	86.94	86.91	86.98	0.00	0.00	0.00
TaoVA-100x	10	145.19	136.12	118.80	89.79	90.29	91.03	0.43	0.55	1.02
TCP Vegas	10	60.61	67.61	68.70	94.15	93.68	94.11	0.05	0.05	0.03
Verus	10	172.38	98.97	74.31	196.51	212.89	228.83	1.34	2.31	4.00
PCC-Vivace	10	232.36	181.85	124.29	126.99	113.98	94.98	0.23	0.16	0.01
WebRTC media	10	1.95	1.21	0.46	86.97	86.87	86.92	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-06-29 16:47:18
End at: 2018-06-29 16:47:48
Local clock offset: 0.243 ms
Remote clock offset: -0.208 ms

Below is generated by plot.py at 2018-06-29 21:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.35 Mbit/s
95th percentile per-packet one-way delay: 88.124 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 123.63 Mbit/s
95th percentile per-packet one-way delay: 88.378 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 121.62 Mbit/s
95th percentile per-packet one-way delay: 87.827 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 110.51 Mbit/s
95th percentile per-packet one-way delay: 88.394 ms
Loss rate: 0.04%

Run 1: Report of TCP BBR — Data Link

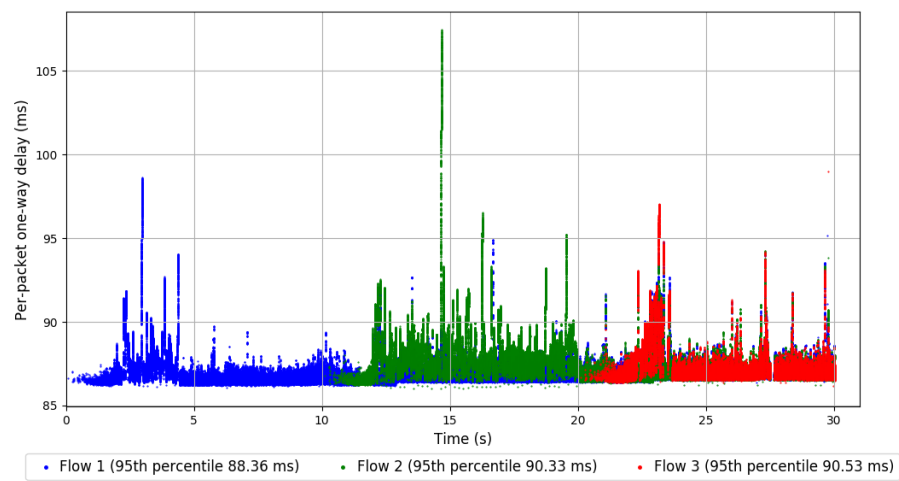
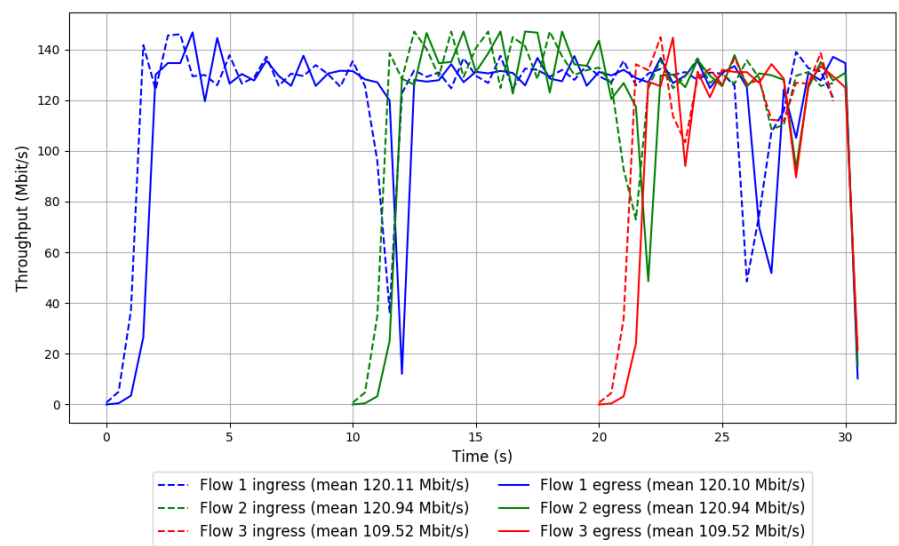


Run 2: Statistics of TCP BBR

Start at: 2018-06-29 17:11:51
End at: 2018-06-29 17:12:21
Local clock offset: 0.028 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2018-06-29 21:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 236.87 Mbit/s
95th percentile per-packet one-way delay: 89.571 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 120.10 Mbit/s
95th percentile per-packet one-way delay: 88.357 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.94 Mbit/s
95th percentile per-packet one-way delay: 90.328 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 109.52 Mbit/s
95th percentile per-packet one-way delay: 90.528 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link

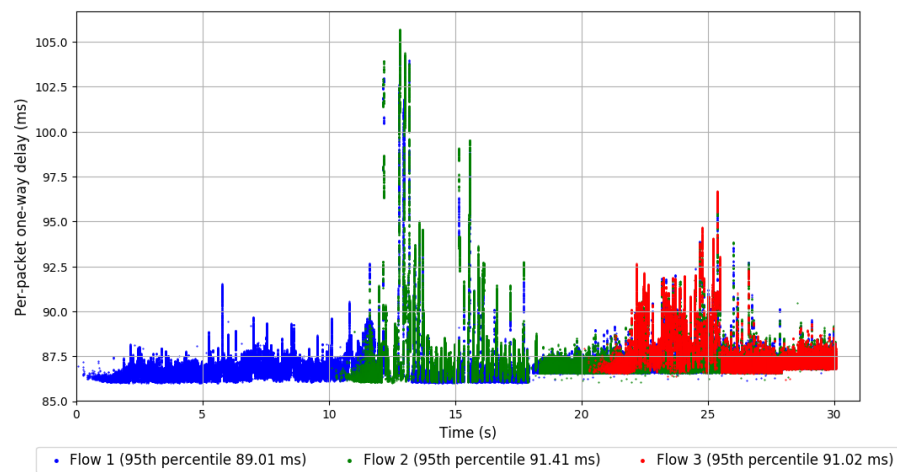
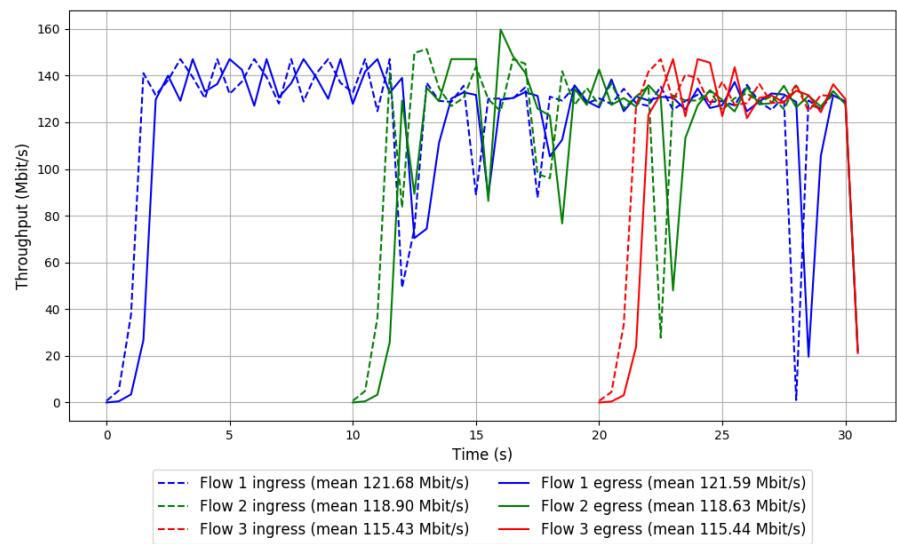


Run 3: Statistics of TCP BBR

Start at: 2018-06-29 17:36:36
End at: 2018-06-29 17:37:06
Local clock offset: 0.037 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-29 21:01:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.97 Mbit/s
95th percentile per-packet one-way delay: 90.440 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 121.59 Mbit/s
95th percentile per-packet one-way delay: 89.006 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 118.63 Mbit/s
95th percentile per-packet one-way delay: 91.408 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 115.44 Mbit/s
95th percentile per-packet one-way delay: 91.023 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-06-29 18:01:21

End at: 2018-06-29 18:01:51

Local clock offset: -0.195 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-29 21:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.17 Mbit/s

95th percentile per-packet one-way delay: 90.464 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 121.89 Mbit/s

95th percentile per-packet one-way delay: 88.644 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.61 Mbit/s

95th percentile per-packet one-way delay: 90.664 ms

Loss rate: 0.01%

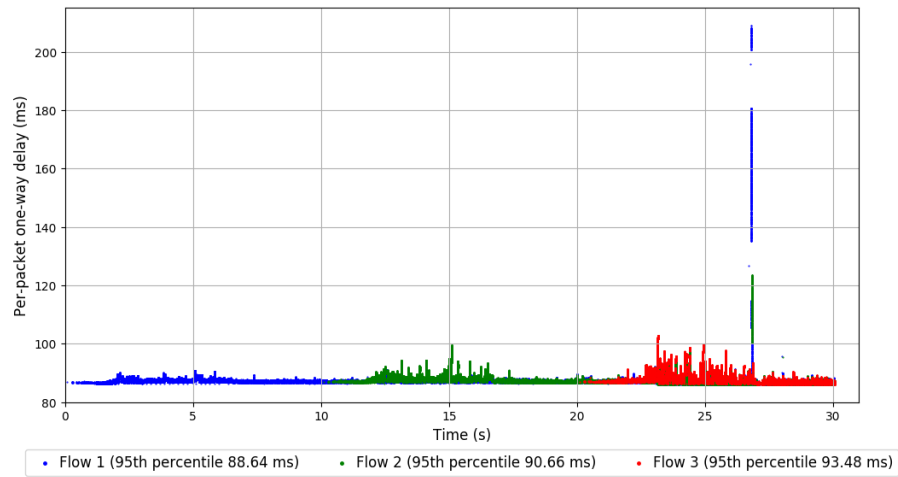
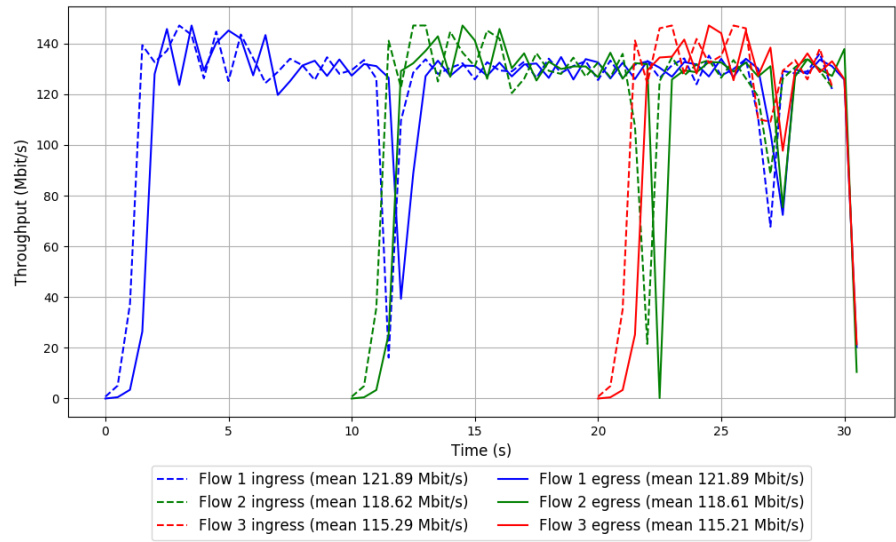
-- Flow 3:

Average throughput: 115.21 Mbit/s

95th percentile per-packet one-way delay: 93.481 ms

Loss rate: 0.08%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-29 18:25:37

End at: 2018-06-29 18:26:07

Local clock offset: 0.15 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-06-29 21:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 238.27 Mbit/s

95th percentile per-packet one-way delay: 88.952 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 121.51 Mbit/s

95th percentile per-packet one-way delay: 88.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.68 Mbit/s

95th percentile per-packet one-way delay: 89.401 ms

Loss rate: 0.00%

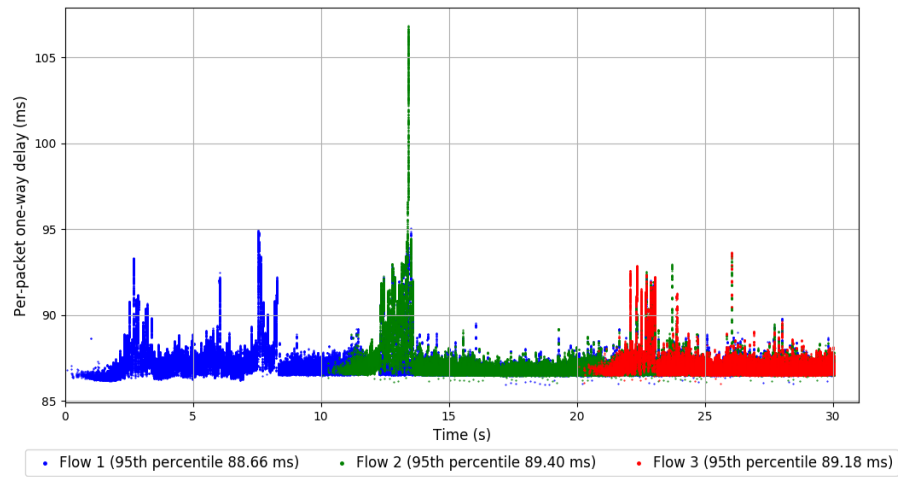
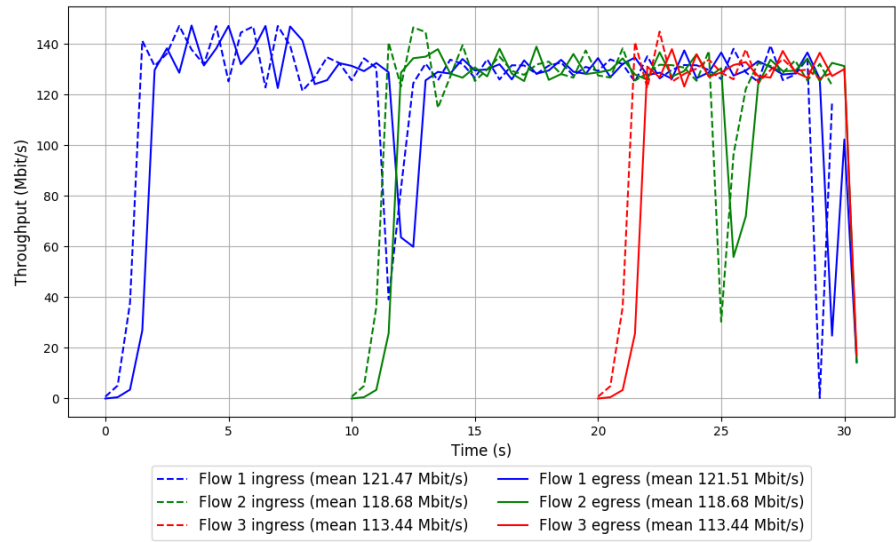
-- Flow 3:

Average throughput: 113.44 Mbit/s

95th percentile per-packet one-way delay: 89.178 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-29 18:49:52

End at: 2018-06-29 18:50:22

Local clock offset: -0.143 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-06-29 21:01:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.20 Mbit/s

95th percentile per-packet one-way delay: 89.872 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 119.84 Mbit/s

95th percentile per-packet one-way delay: 88.849 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 116.91 Mbit/s

95th percentile per-packet one-way delay: 90.131 ms

Loss rate: 0.06%

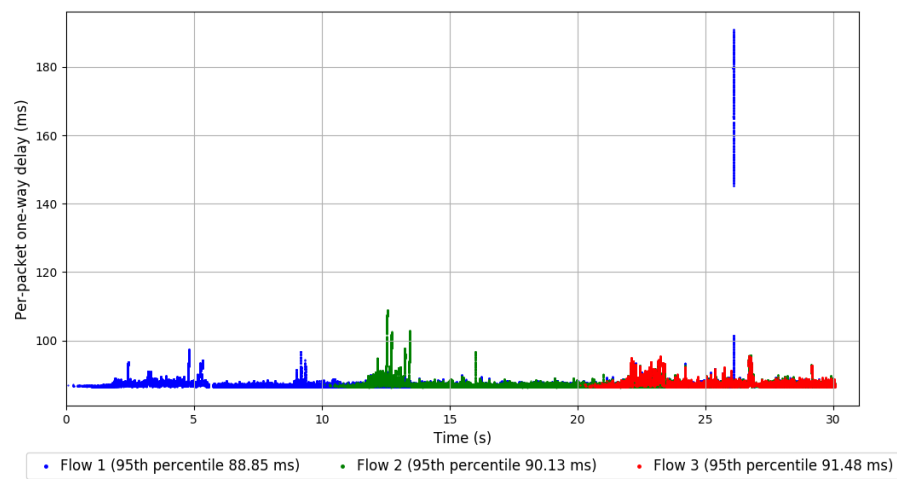
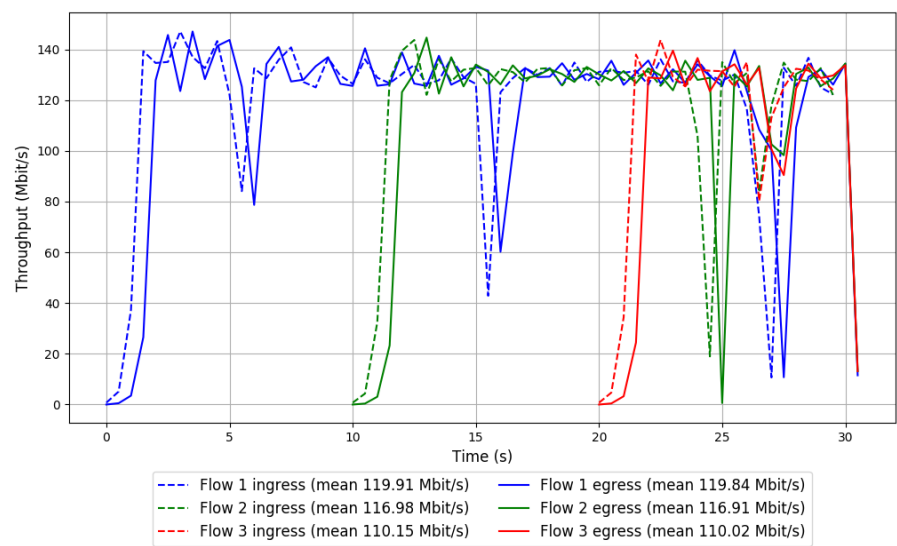
-- Flow 3:

Average throughput: 110.02 Mbit/s

95th percentile per-packet one-way delay: 91.478 ms

Loss rate: 0.12%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-29 19:14:30

End at: 2018-06-29 19:15:00

Local clock offset: 0.053 ms

Remote clock offset: 0.161 ms

Below is generated by plot.py at 2018-06-29 21:01:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.99 Mbit/s

95th percentile per-packet one-way delay: 91.406 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 123.61 Mbit/s

95th percentile per-packet one-way delay: 90.287 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 121.68 Mbit/s

95th percentile per-packet one-way delay: 91.218 ms

Loss rate: 0.10%

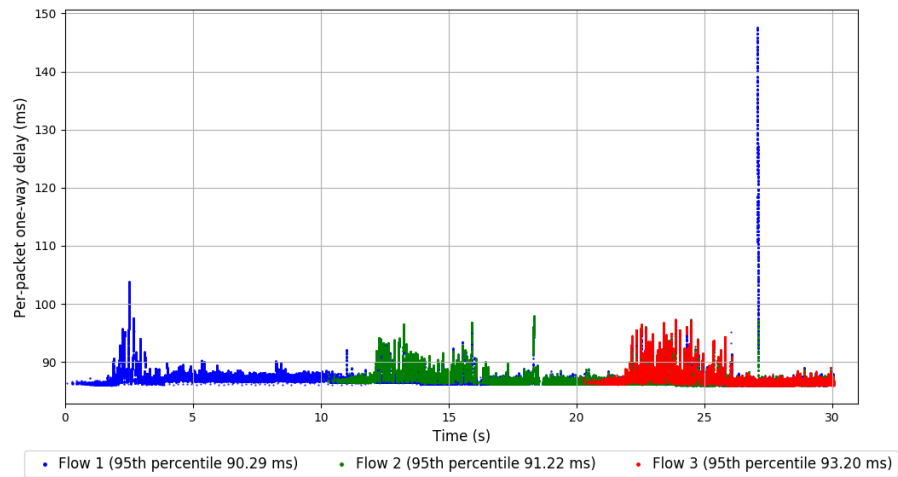
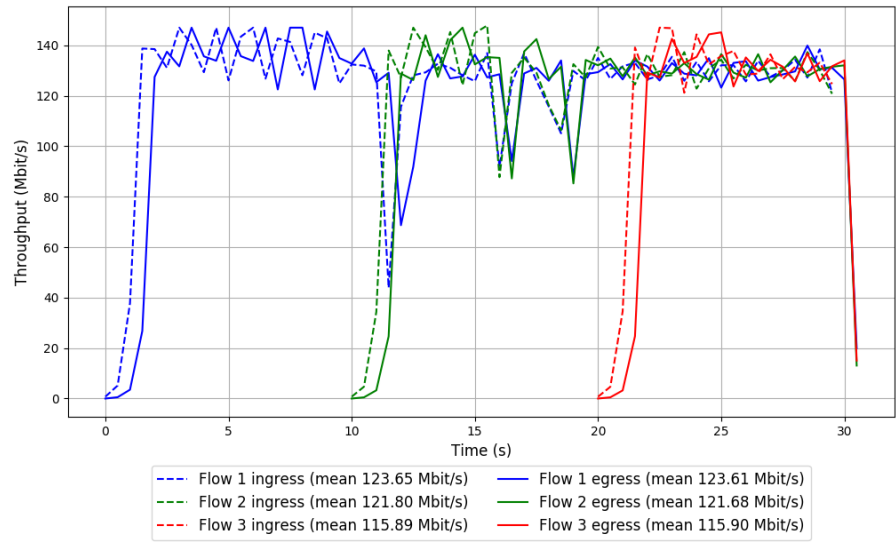
-- Flow 3:

Average throughput: 115.90 Mbit/s

95th percentile per-packet one-way delay: 93.198 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

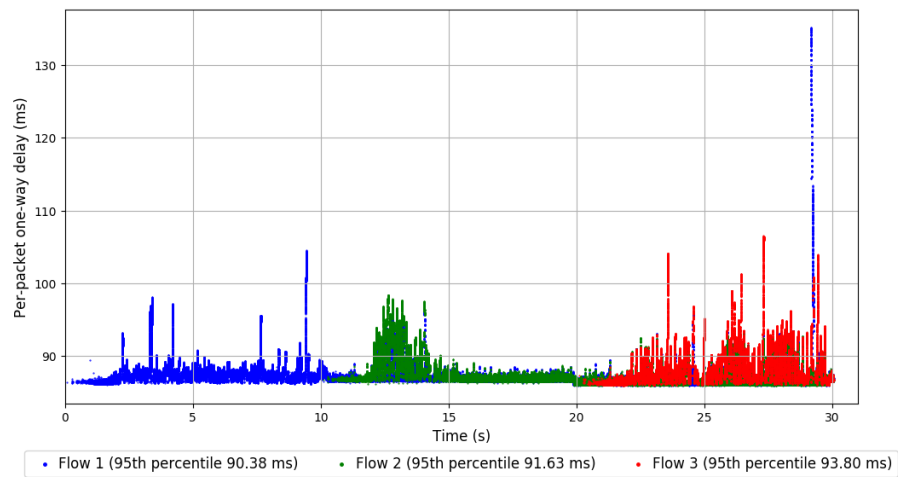
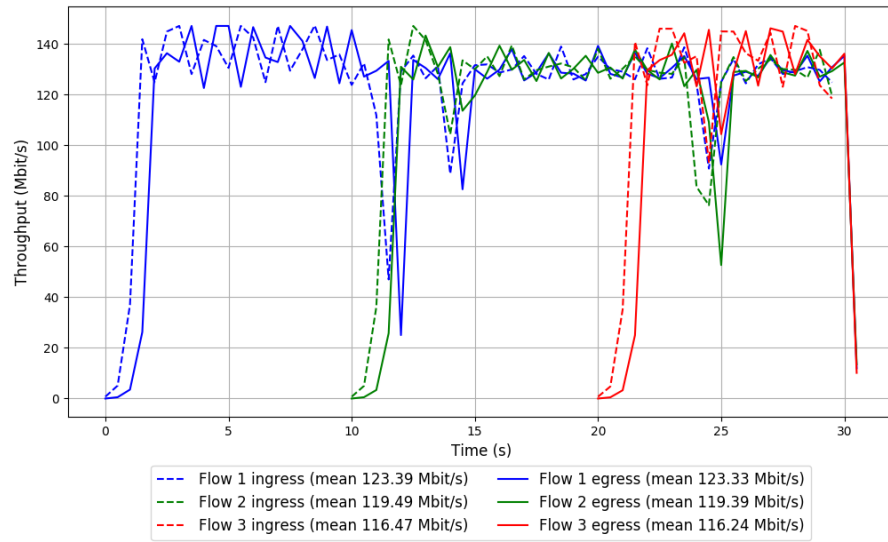


Run 8: Statistics of TCP BBR

Start at: 2018-06-29 19:39:04
End at: 2018-06-29 19:39:34
Local clock offset: -0.03 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-06-29 21:01:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.46 Mbit/s
95th percentile per-packet one-way delay: 91.875 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 123.33 Mbit/s
95th percentile per-packet one-way delay: 90.377 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 91.631 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 116.24 Mbit/s
95th percentile per-packet one-way delay: 93.800 ms
Loss rate: 0.20%

Run 8: Report of TCP BBR — Data Link

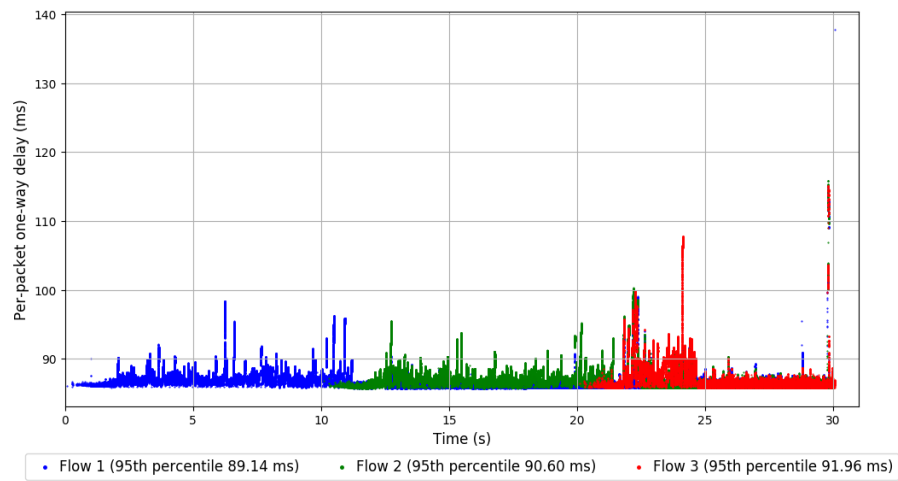
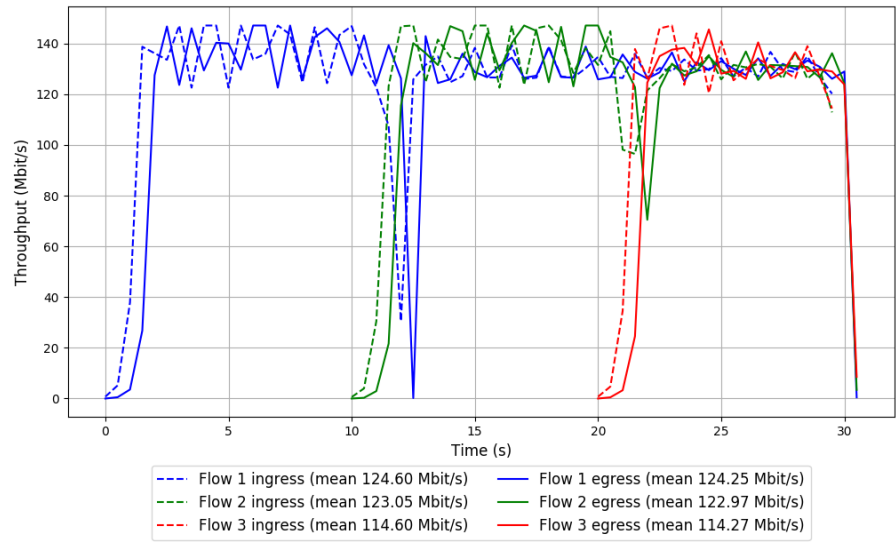


Run 9: Statistics of TCP BBR

Start at: 2018-06-29 20:03:26
End at: 2018-06-29 20:03:56
Local clock offset: 0.137 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-06-29 21:05:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.83 Mbit/s
95th percentile per-packet one-way delay: 90.242 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 124.25 Mbit/s
95th percentile per-packet one-way delay: 89.138 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 122.97 Mbit/s
95th percentile per-packet one-way delay: 90.601 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 114.27 Mbit/s
95th percentile per-packet one-way delay: 91.961 ms
Loss rate: 0.29%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-29 20:28:17

End at: 2018-06-29 20:28:47

Local clock offset: 0.102 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-06-29 21:05:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.84 Mbit/s

95th percentile per-packet one-way delay: 92.393 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 90.053 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 125.65 Mbit/s

95th percentile per-packet one-way delay: 92.635 ms

Loss rate: 0.00%

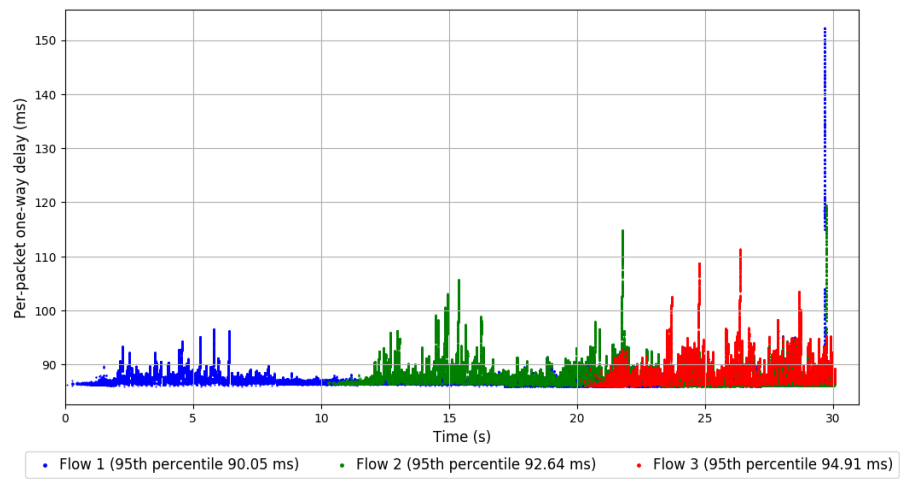
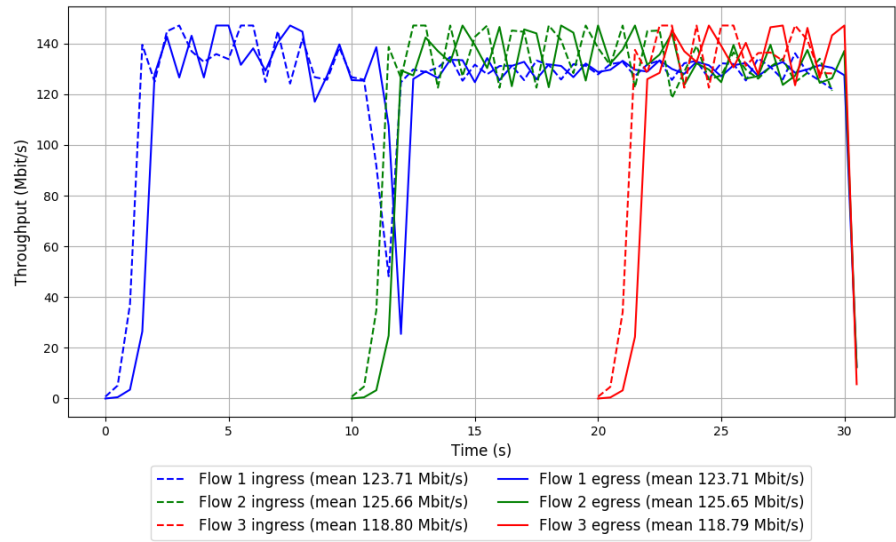
-- Flow 3:

Average throughput: 118.79 Mbit/s

95th percentile per-packet one-way delay: 94.913 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

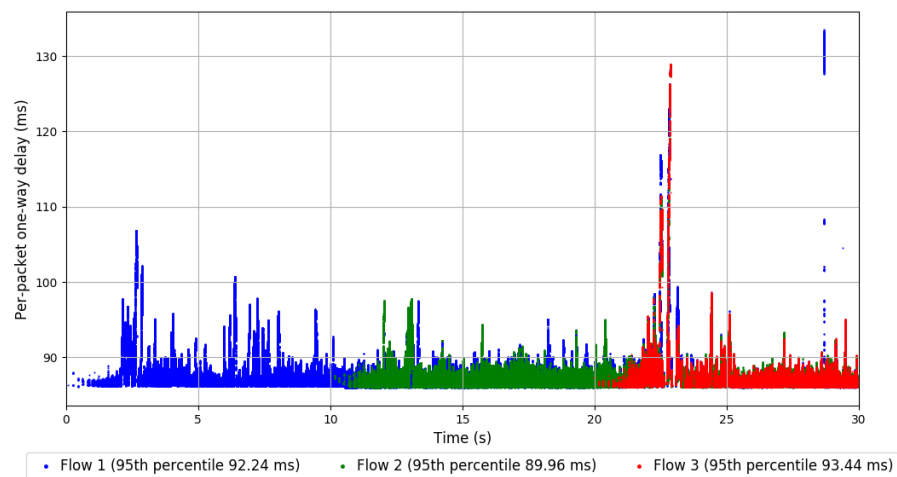
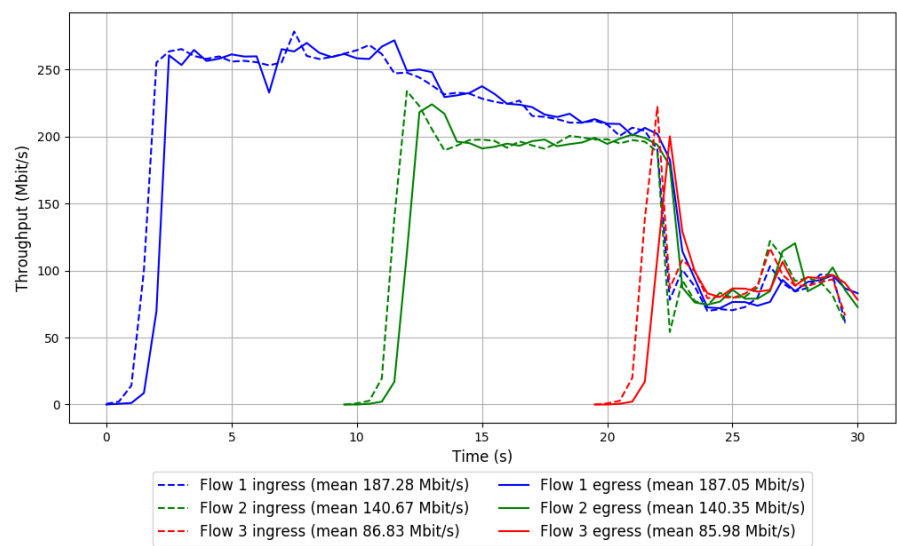


Run 1: Statistics of Copa

Start at: 2018-06-29 16:44:23
End at: 2018-06-29 16:44:53
Local clock offset: 0.024 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-06-29 21:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.60 Mbit/s
95th percentile per-packet one-way delay: 91.554 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 187.05 Mbit/s
95th percentile per-packet one-way delay: 92.236 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 140.35 Mbit/s
95th percentile per-packet one-way delay: 89.960 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 93.441 ms
Loss rate: 0.98%

Run 1: Report of Copa — Data Link

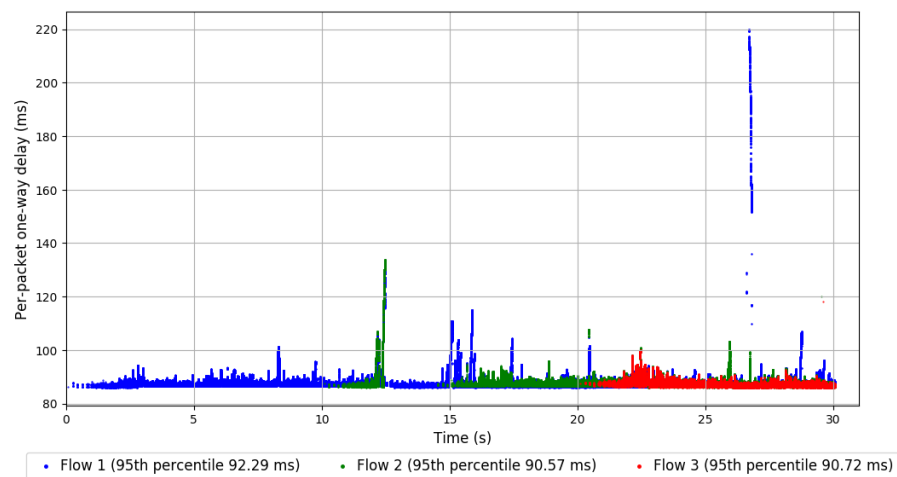
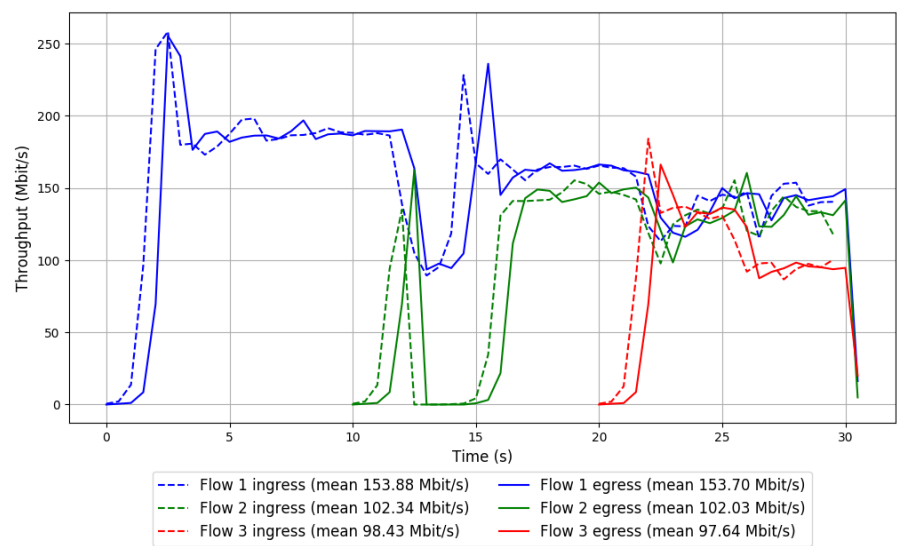


Run 2: Statistics of Copa

Start at: 2018-06-29 17:09:01
End at: 2018-06-29 17:09:31
Local clock offset: -0.056 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-06-29 21:11:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 254.11 Mbit/s
95th percentile per-packet one-way delay: 91.486 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 153.70 Mbit/s
95th percentile per-packet one-way delay: 92.289 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 102.03 Mbit/s
95th percentile per-packet one-way delay: 90.570 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 97.64 Mbit/s
95th percentile per-packet one-way delay: 90.720 ms
Loss rate: 0.82%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-06-29 17:33:48

End at: 2018-06-29 17:34:18

Local clock offset: 0.064 ms

Remote clock offset: -0.08 ms

Below is generated by plot.py at 2018-06-29 21:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 229.76 Mbit/s

95th percentile per-packet one-way delay: 90.410 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 128.59 Mbit/s

95th percentile per-packet one-way delay: 89.842 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 107.03 Mbit/s

95th percentile per-packet one-way delay: 91.145 ms

Loss rate: 0.48%

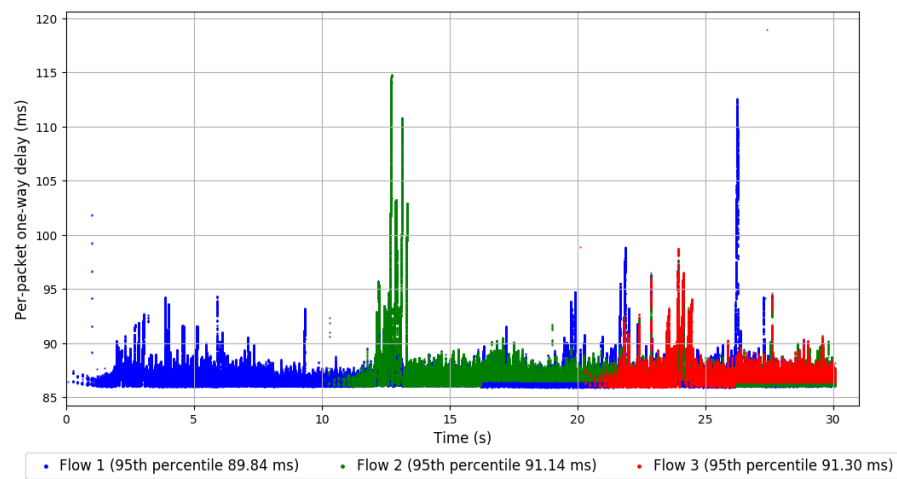
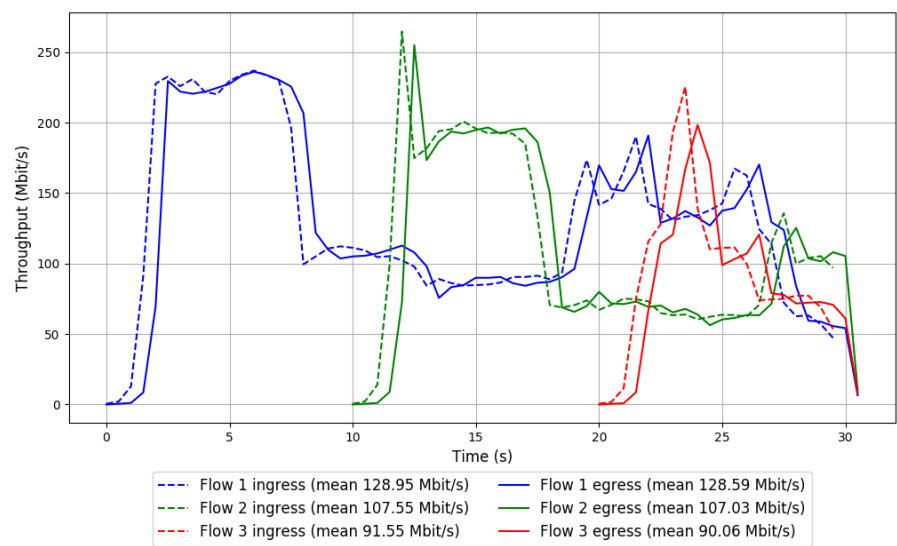
-- Flow 3:

Average throughput: 90.06 Mbit/s

95th percentile per-packet one-way delay: 91.303 ms

Loss rate: 1.74%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-06-29 17:58:30

End at: 2018-06-29 17:59:00

Local clock offset: 0.095 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-06-29 21:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.63 Mbit/s

95th percentile per-packet one-way delay: 97.546 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 148.23 Mbit/s

95th percentile per-packet one-way delay: 90.967 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 101.18 Mbit/s

95th percentile per-packet one-way delay: 98.148 ms

Loss rate: 0.29%

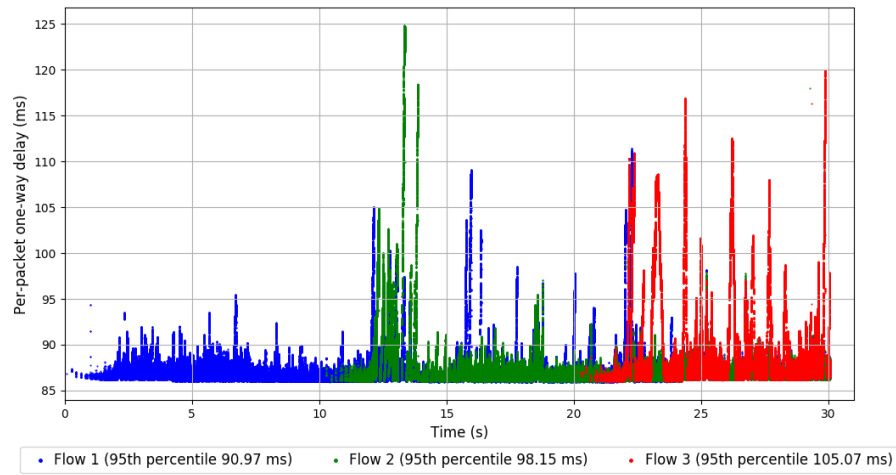
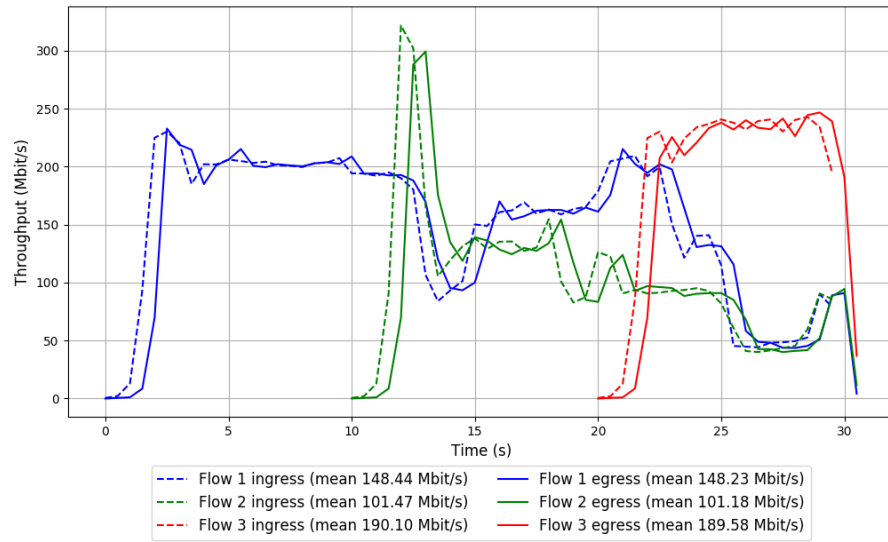
-- Flow 3:

Average throughput: 189.58 Mbit/s

95th percentile per-packet one-way delay: 105.070 ms

Loss rate: 0.27%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-29 18:22:53

End at: 2018-06-29 18:23:23

Local clock offset: 0.063 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-06-29 21:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.31 Mbit/s

95th percentile per-packet one-way delay: 92.414 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 96.56 Mbit/s

95th percentile per-packet one-way delay: 91.027 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 113.19 Mbit/s

95th percentile per-packet one-way delay: 93.562 ms

Loss rate: 0.10%

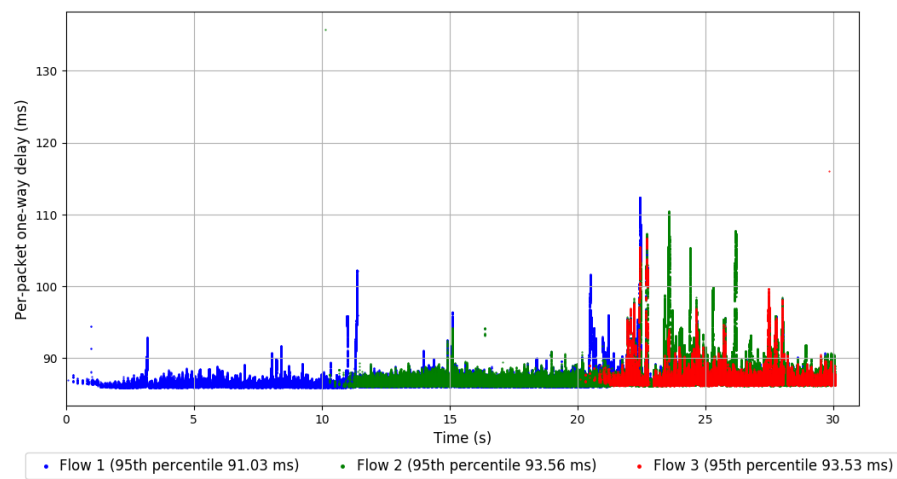
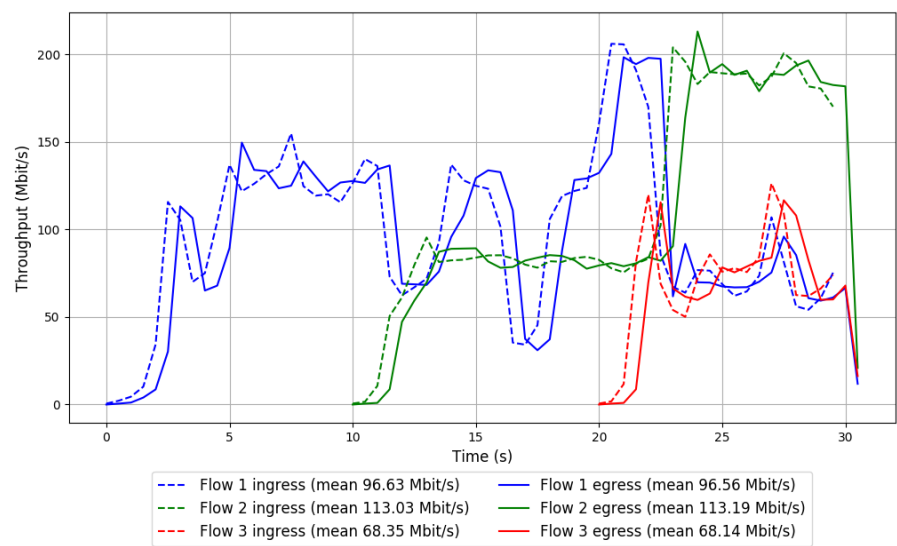
-- Flow 3:

Average throughput: 68.14 Mbit/s

95th percentile per-packet one-way delay: 93.529 ms

Loss rate: 0.31%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-29 18:47:05

End at: 2018-06-29 18:47:35

Local clock offset: 0.05 ms

Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-06-29 21:11:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 219.73 Mbit/s

95th percentile per-packet one-way delay: 90.566 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 100.26 Mbit/s

95th percentile per-packet one-way delay: 88.944 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 106.28 Mbit/s

95th percentile per-packet one-way delay: 88.424 ms

Loss rate: 0.24%

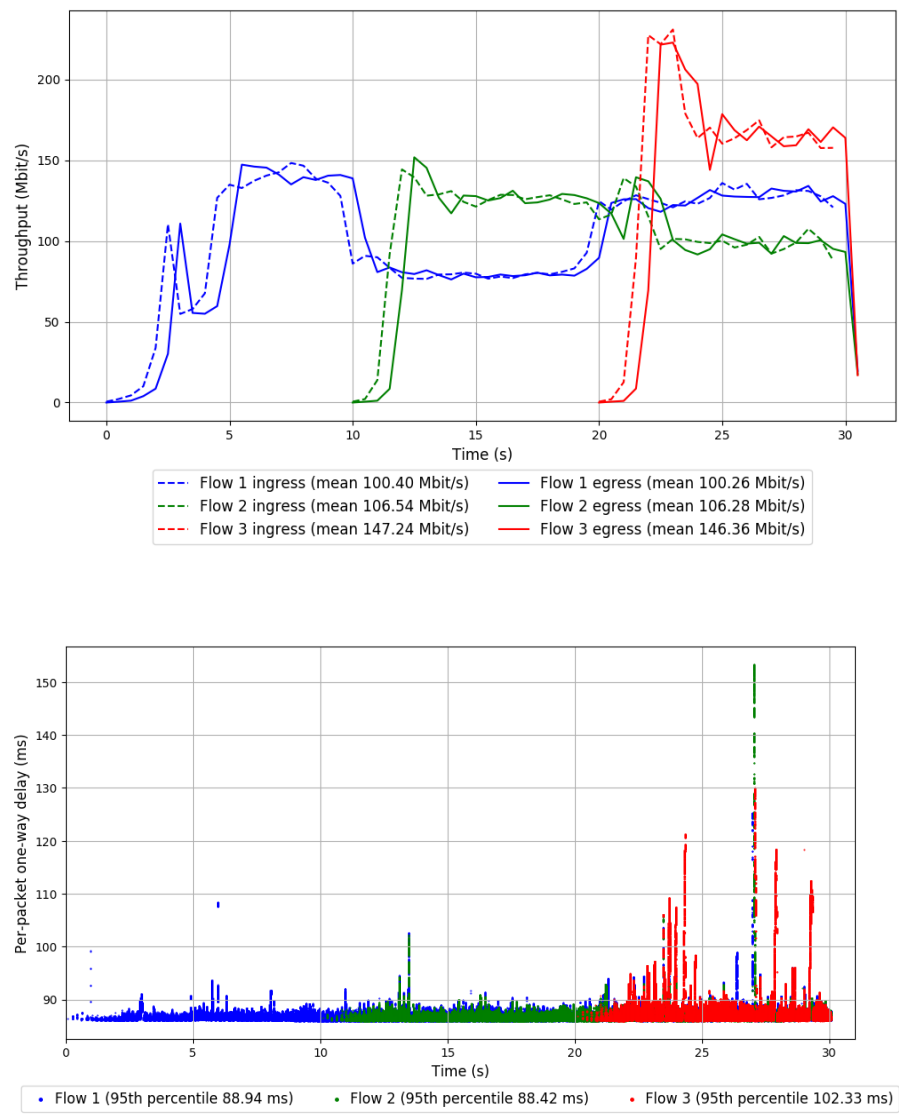
-- Flow 3:

Average throughput: 146.36 Mbit/s

95th percentile per-packet one-way delay: 102.330 ms

Loss rate: 0.60%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-29 19:11:38

End at: 2018-06-29 19:12:08

Local clock offset: -0.002 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-06-29 21:15:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.42 Mbit/s

95th percentile per-packet one-way delay: 91.963 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 152.64 Mbit/s

95th percentile per-packet one-way delay: 95.021 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 127.88 Mbit/s

95th percentile per-packet one-way delay: 90.685 ms

Loss rate: 0.21%

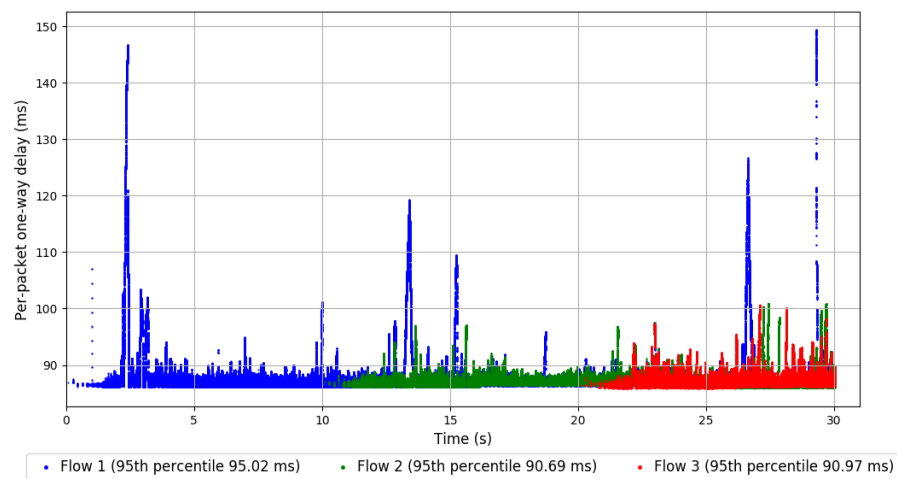
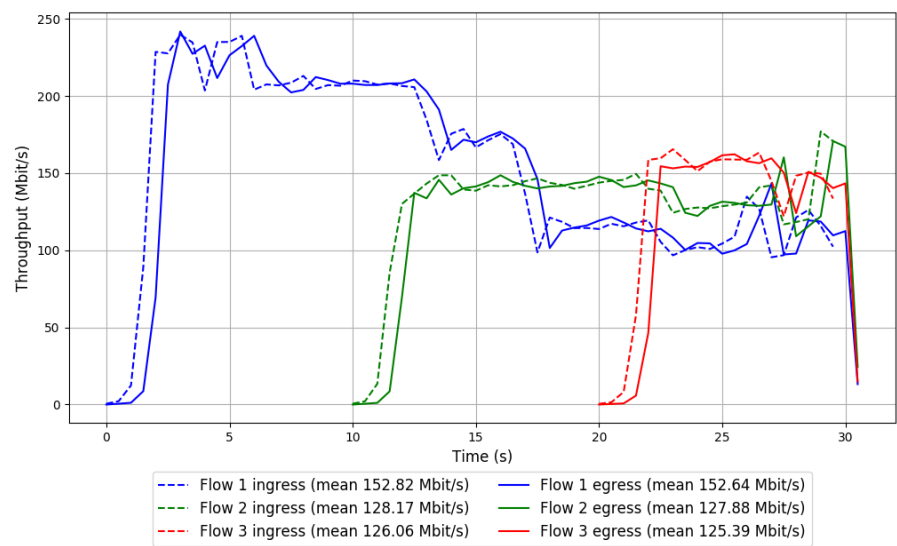
-- Flow 3:

Average throughput: 125.39 Mbit/s

95th percentile per-packet one-way delay: 90.968 ms

Loss rate: 0.51%

Run 7: Report of Copa — Data Link

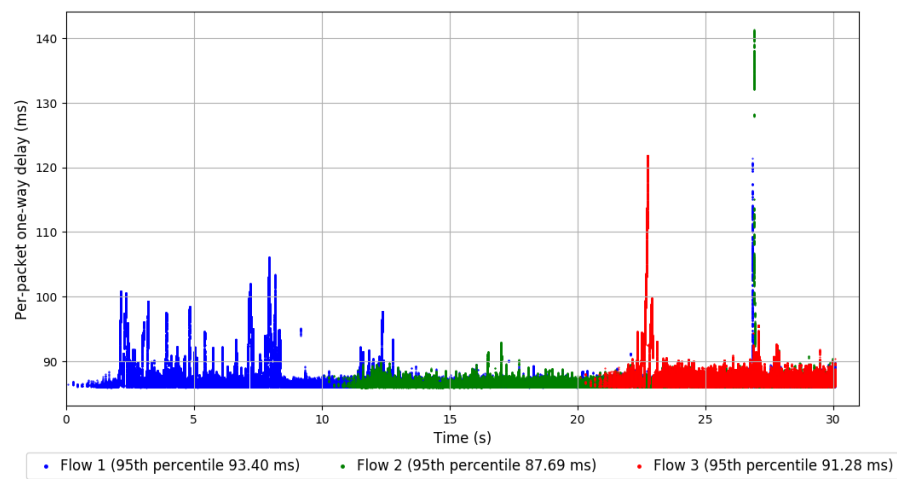
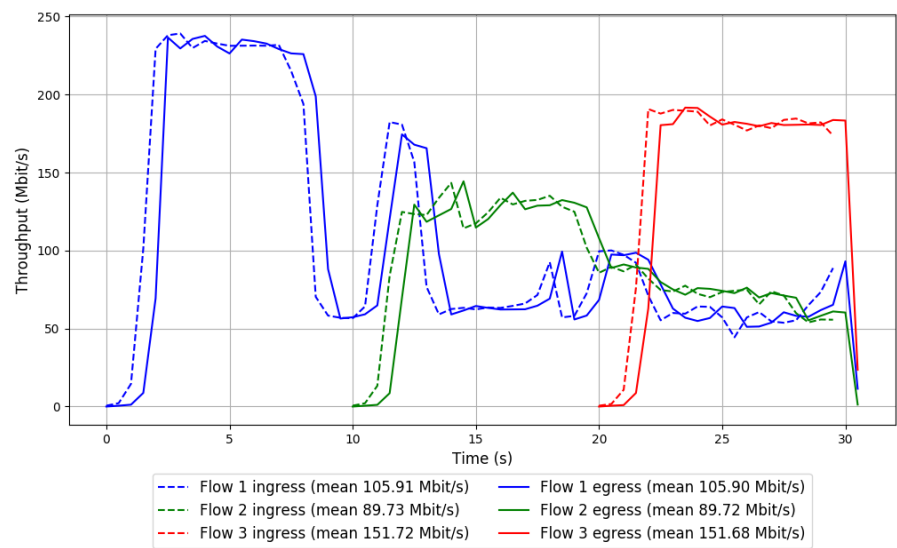


Run 8: Statistics of Copa

Start at: 2018-06-29 19:36:17
End at: 2018-06-29 19:36:48
Local clock offset: 0.034 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-06-29 21:15:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 216.07 Mbit/s
95th percentile per-packet one-way delay: 91.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.90 Mbit/s
95th percentile per-packet one-way delay: 93.399 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 87.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.68 Mbit/s
95th percentile per-packet one-way delay: 91.283 ms
Loss rate: 0.01%

Run 8: Report of Copa — Data Link

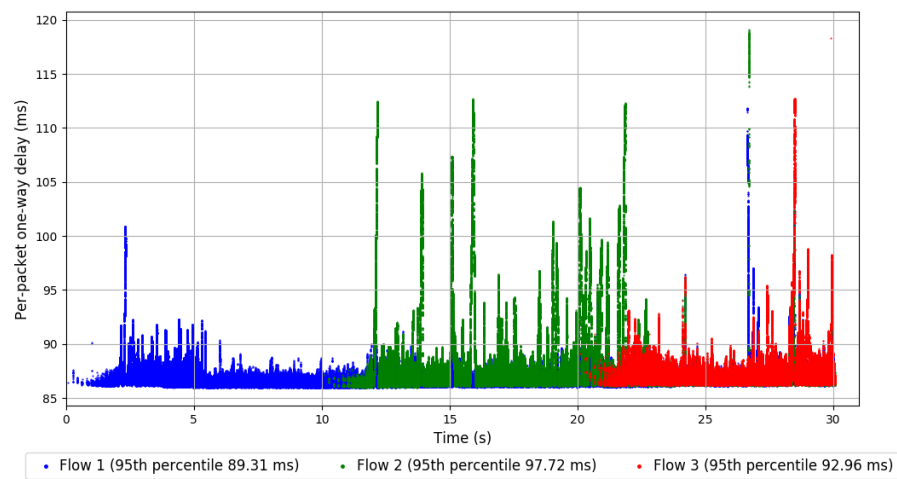
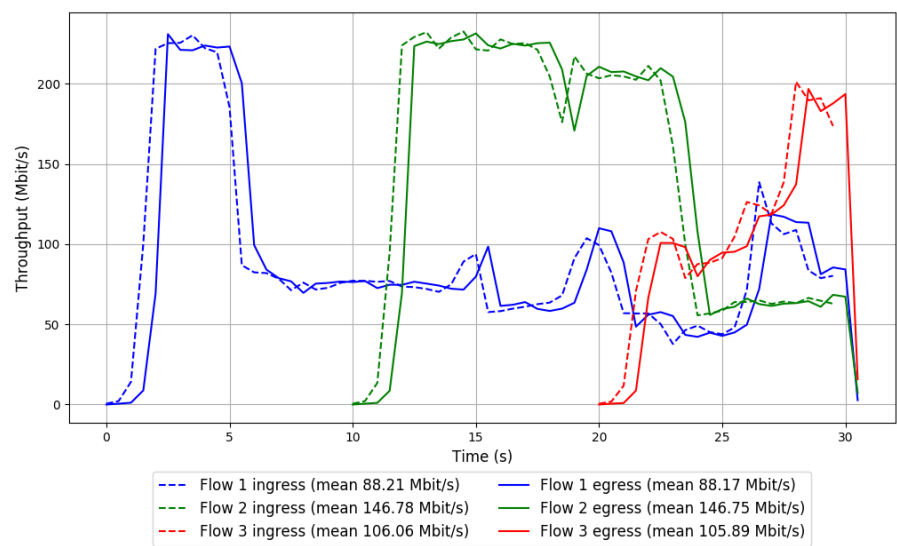


Run 9: Statistics of Copa

Start at: 2018-06-29 20:00:40
End at: 2018-06-29 20:01:10
Local clock offset: -0.051 ms
Remote clock offset: -0.432 ms

Below is generated by plot.py at 2018-06-29 21:15:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.92 Mbit/s
95th percentile per-packet one-way delay: 93.331 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 89.312 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 146.75 Mbit/s
95th percentile per-packet one-way delay: 97.722 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 105.89 Mbit/s
95th percentile per-packet one-way delay: 92.962 ms
Loss rate: 0.19%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-29 20:25:29

End at: 2018-06-29 20:25:59

Local clock offset: 0.19 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-06-29 21:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.50 Mbit/s

95th percentile per-packet one-way delay: 89.523 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 118.51 Mbit/s

95th percentile per-packet one-way delay: 88.944 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 116.09 Mbit/s

95th percentile per-packet one-way delay: 89.506 ms

Loss rate: 0.47%

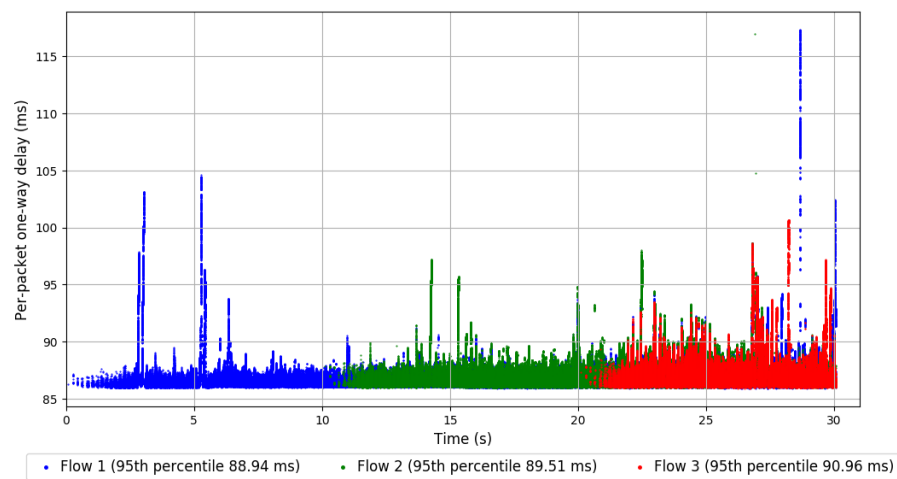
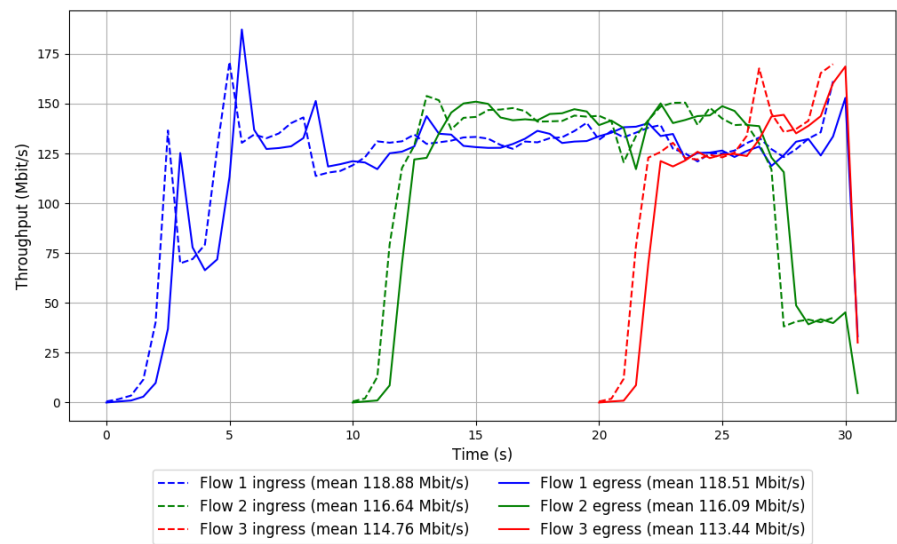
-- Flow 3:

Average throughput: 113.44 Mbit/s

95th percentile per-packet one-way delay: 90.957 ms

Loss rate: 1.15%

Run 10: Report of Copa — Data Link

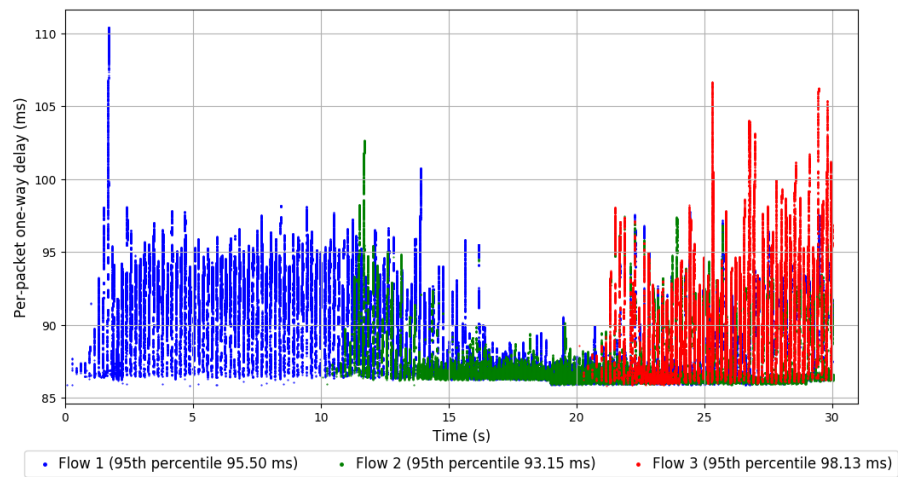
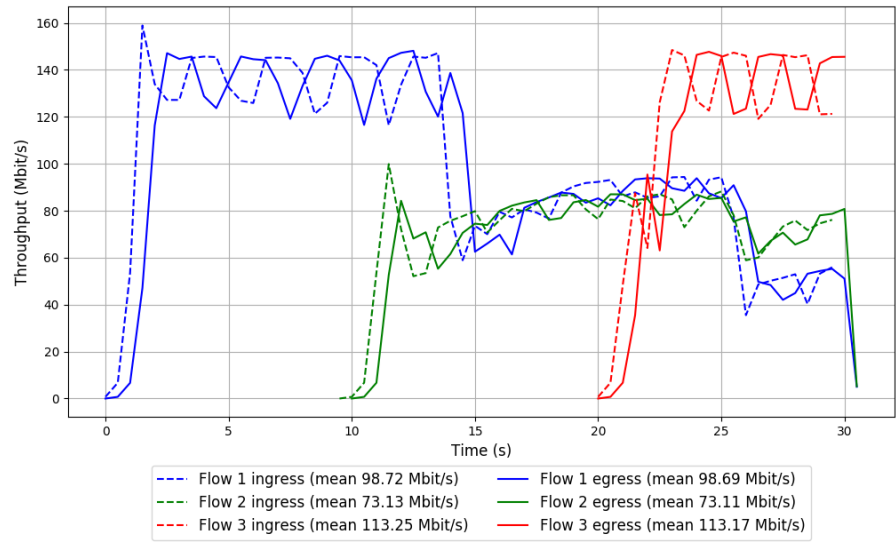


Run 1: Statistics of TCP Cubic

Start at: 2018-06-29 16:41:45
End at: 2018-06-29 16:42:15
Local clock offset: 0.308 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-06-29 21:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 95.752 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 98.69 Mbit/s
95th percentile per-packet one-way delay: 95.497 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 93.147 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 113.17 Mbit/s
95th percentile per-packet one-way delay: 98.128 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

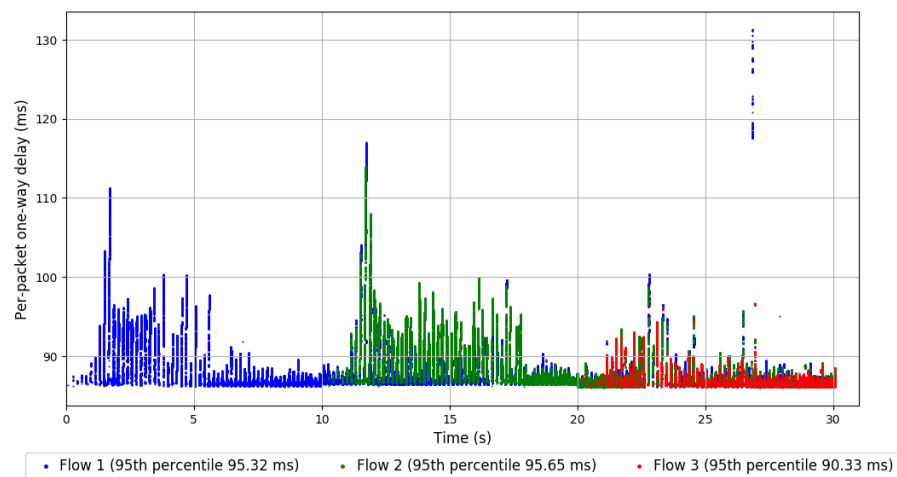
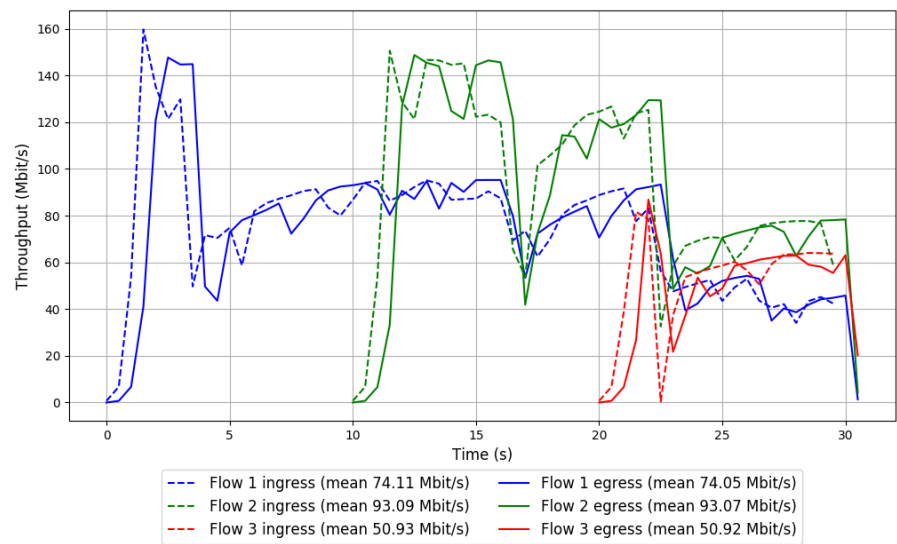


Run 2: Statistics of TCP Cubic

Start at: 2018-06-29 17:06:24
End at: 2018-06-29 17:06:54
Local clock offset: 0.024 ms
Remote clock offset: -0.191 ms

Below is generated by plot.py at 2018-06-29 21:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.96 Mbit/s
95th percentile per-packet one-way delay: 95.104 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 95.324 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 95.650 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 50.92 Mbit/s
95th percentile per-packet one-way delay: 90.328 ms
Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link

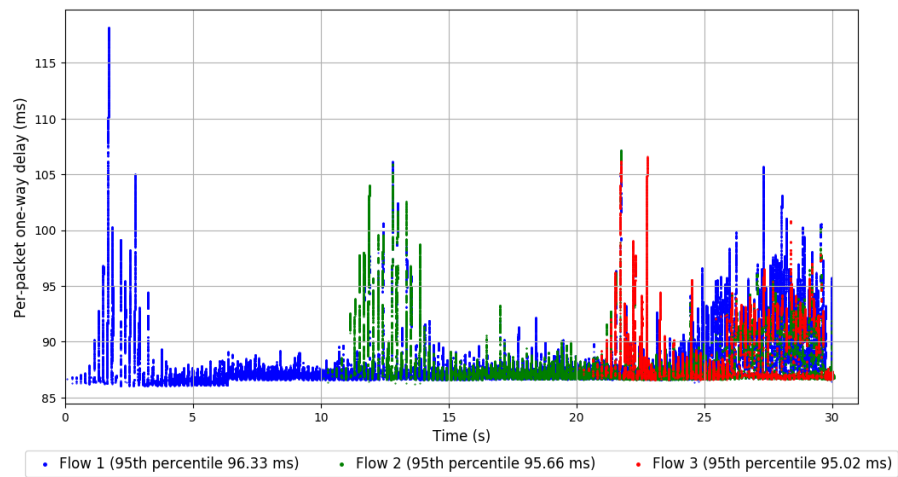
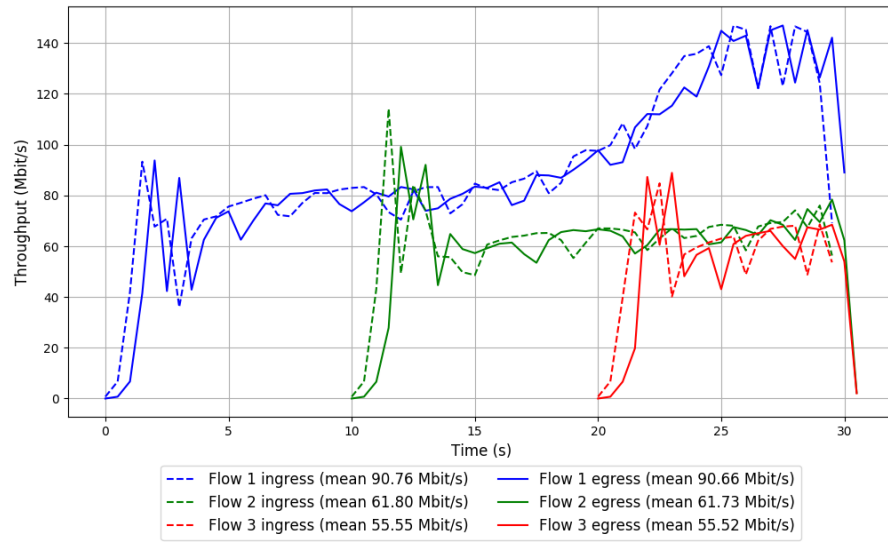


Run 3: Statistics of TCP Cubic

Start at: 2018-06-29 17:31:08
End at: 2018-06-29 17:31:38
Local clock offset: -0.035 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-06-29 21:16:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.89 Mbit/s
95th percentile per-packet one-way delay: 96.000 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 90.66 Mbit/s
95th percentile per-packet one-way delay: 96.334 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 61.73 Mbit/s
95th percentile per-packet one-way delay: 95.660 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 95.018 ms
Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-29 17:55:53

End at: 2018-06-29 17:56:23

Local clock offset: 0.265 ms

Remote clock offset: 0.061 ms

Below is generated by plot.py at 2018-06-29 21:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.59 Mbit/s

95th percentile per-packet one-way delay: 96.320 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 67.61 Mbit/s

95th percentile per-packet one-way delay: 93.904 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 89.92 Mbit/s

95th percentile per-packet one-way delay: 96.076 ms

Loss rate: 0.09%

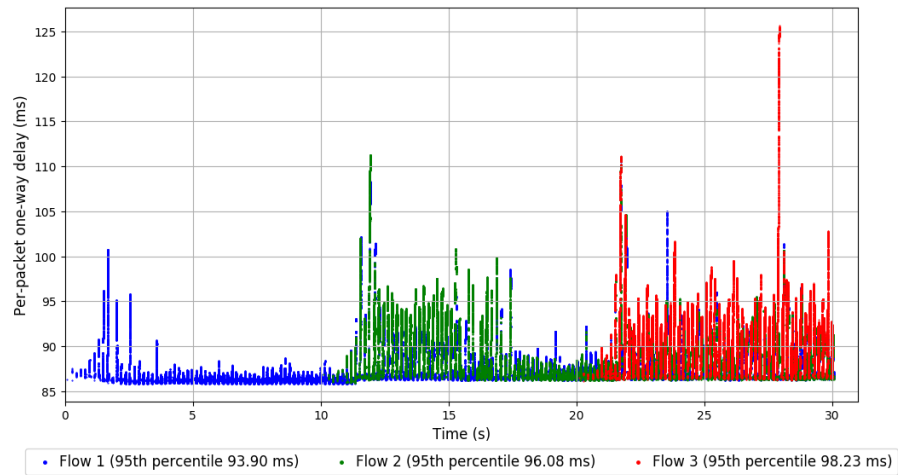
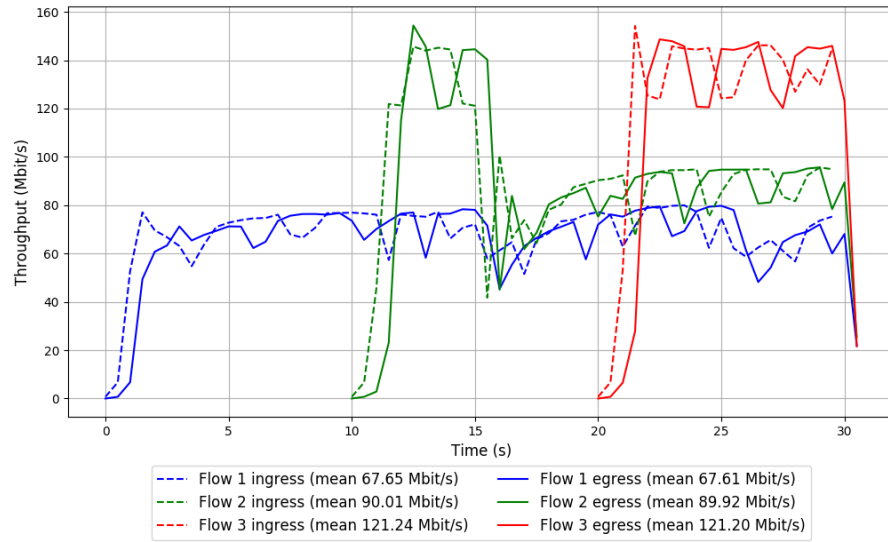
-- Flow 3:

Average throughput: 121.20 Mbit/s

95th percentile per-packet one-way delay: 98.232 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-29 18:20:12

End at: 2018-06-29 18:20:42

Local clock offset: -0.062 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2018-06-29 21:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.38 Mbit/s

95th percentile per-packet one-way delay: 96.182 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 93.59 Mbit/s

95th percentile per-packet one-way delay: 95.806 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 60.61 Mbit/s

95th percentile per-packet one-way delay: 95.047 ms

Loss rate: 0.16%

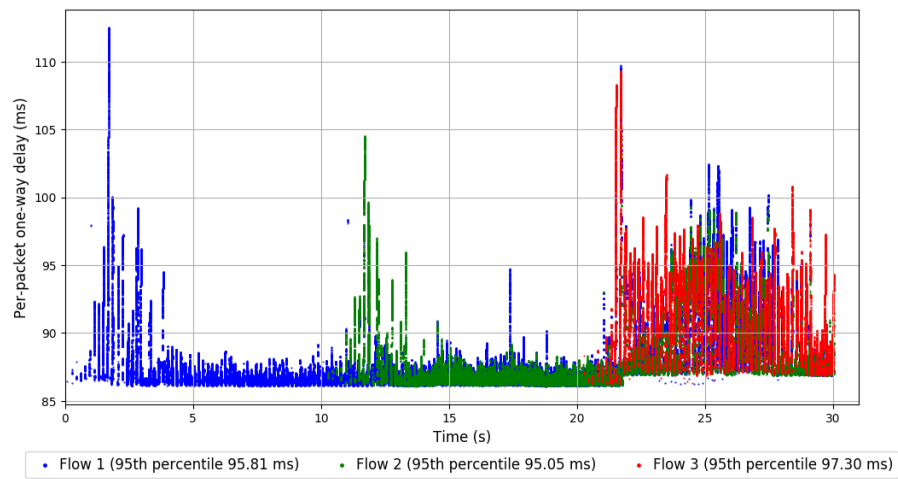
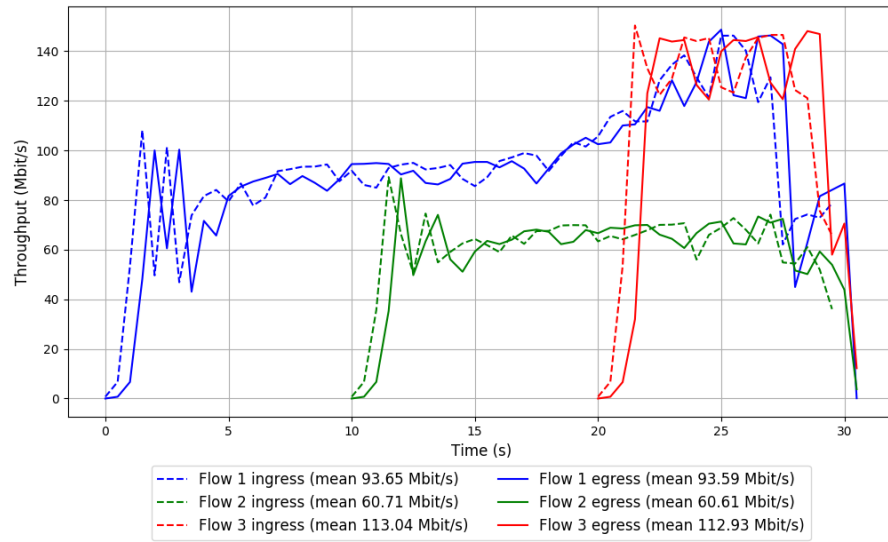
-- Flow 3:

Average throughput: 112.93 Mbit/s

95th percentile per-packet one-way delay: 97.299 ms

Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-29 18:44:24

End at: 2018-06-29 18:44:54

Local clock offset: 0.056 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-06-29 21:16:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.87 Mbit/s

95th percentile per-packet one-way delay: 97.099 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 82.74 Mbit/s

95th percentile per-packet one-way delay: 97.818 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 80.66 Mbit/s

95th percentile per-packet one-way delay: 96.367 ms

Loss rate: 0.47%

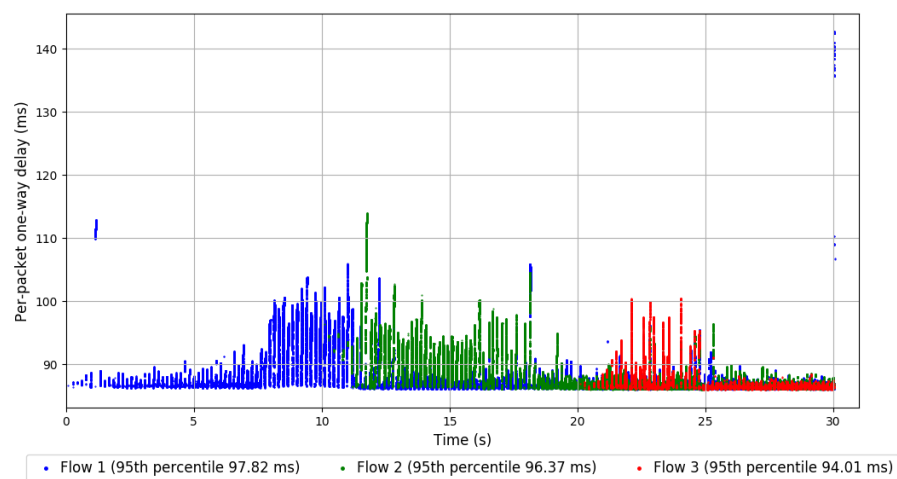
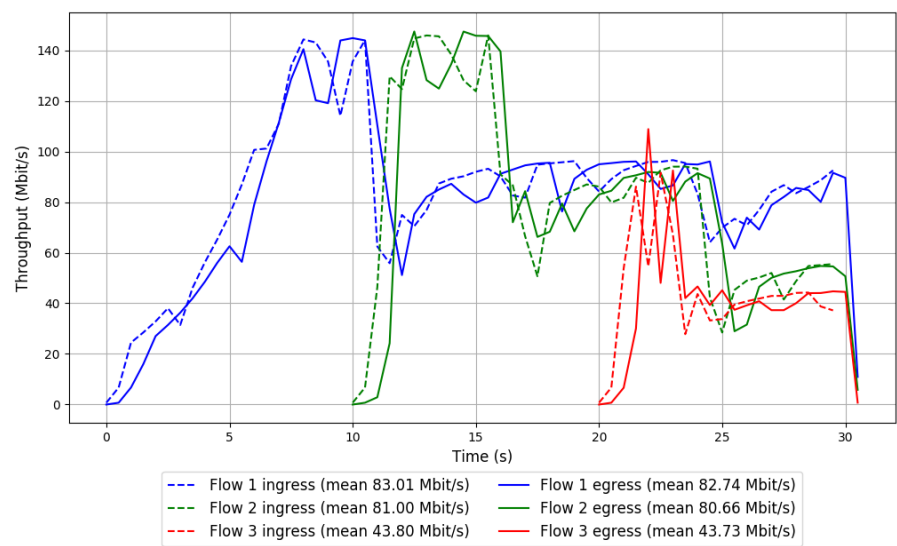
-- Flow 3:

Average throughput: 43.73 Mbit/s

95th percentile per-packet one-way delay: 94.008 ms

Loss rate: 0.16%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-29 19:08:56

End at: 2018-06-29 19:09:26

Local clock offset: -0.129 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at 2018-06-29 21:16:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.16 Mbit/s

95th percentile per-packet one-way delay: 93.790 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 95.155 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 82.62 Mbit/s

95th percentile per-packet one-way delay: 91.920 ms

Loss rate: 0.00%

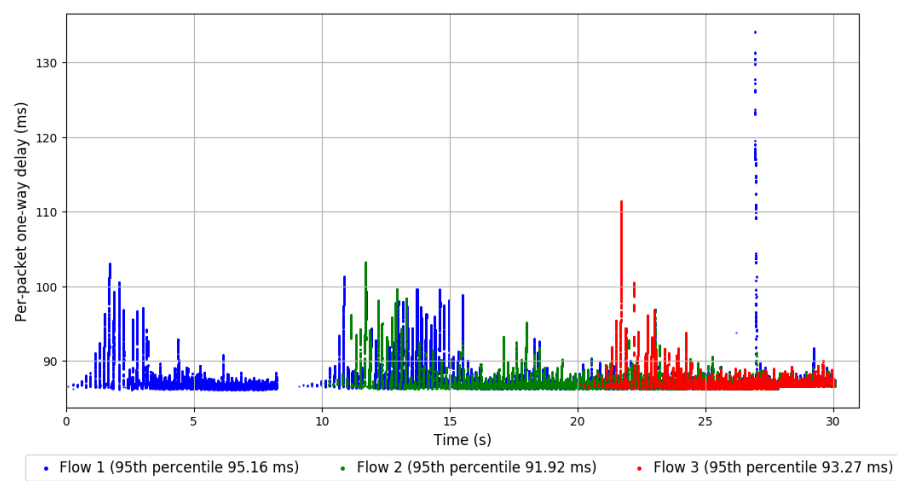
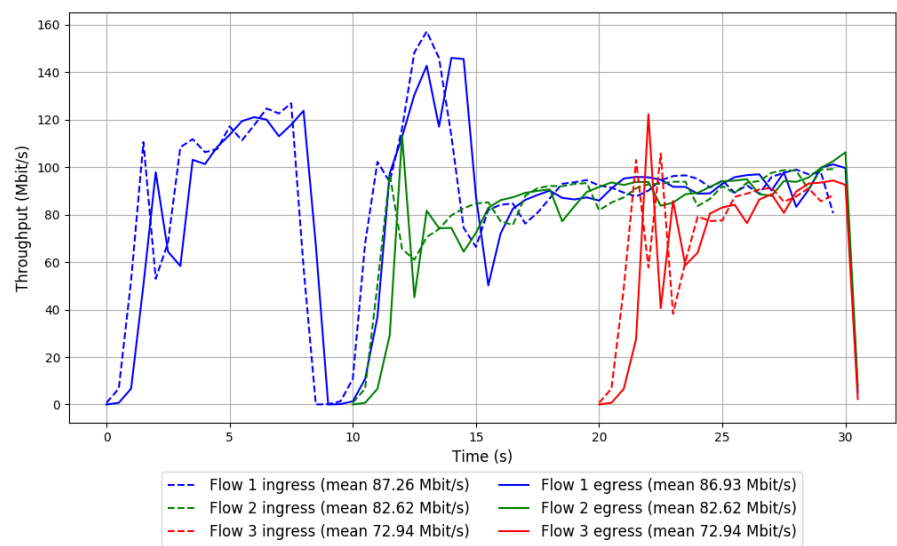
-- Flow 3:

Average throughput: 72.94 Mbit/s

95th percentile per-packet one-way delay: 93.265 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

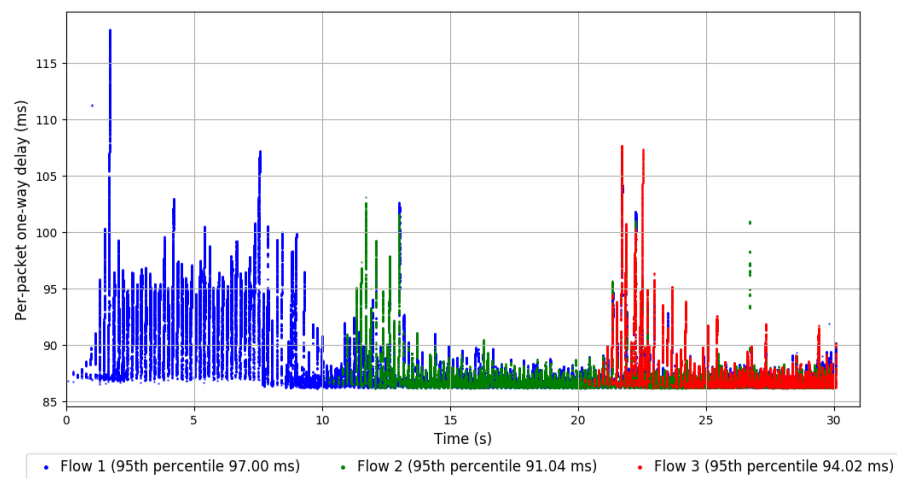
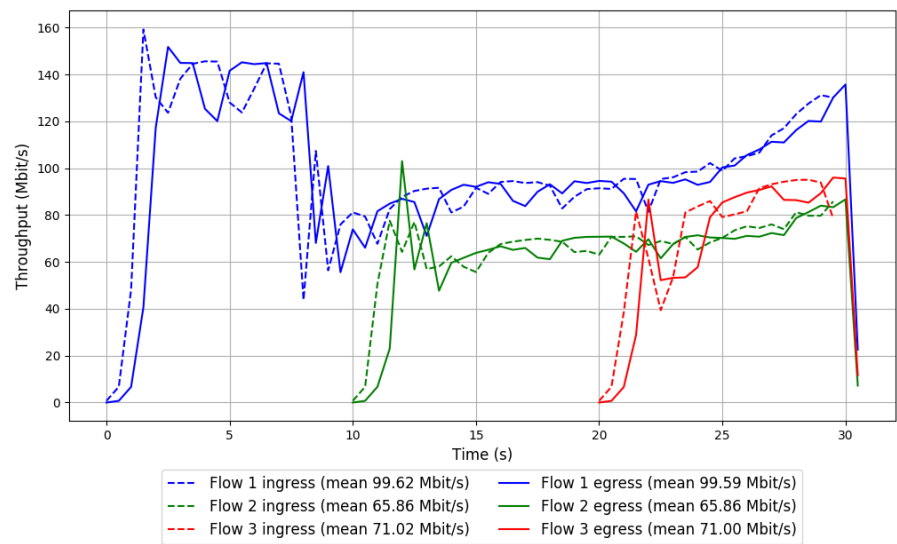


Run 8: Statistics of TCP Cubic

Start at: 2018-06-29 19:33:37
End at: 2018-06-29 19:34:07
Local clock offset: -0.245 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-06-29 21:16:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 166.99 Mbit/s
95th percentile per-packet one-way delay: 96.051 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 99.59 Mbit/s
95th percentile per-packet one-way delay: 96.996 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 91.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 94.022 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-29 19:58:03

End at: 2018-06-29 19:58:33

Local clock offset: 0.03 ms

Remote clock offset: -0.38 ms

Below is generated by plot.py at 2018-06-29 21:18:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.11 Mbit/s

95th percentile per-packet one-way delay: 97.698 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 88.60 Mbit/s

95th percentile per-packet one-way delay: 97.194 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 98.37 Mbit/s

95th percentile per-packet one-way delay: 98.544 ms

Loss rate: 0.14%

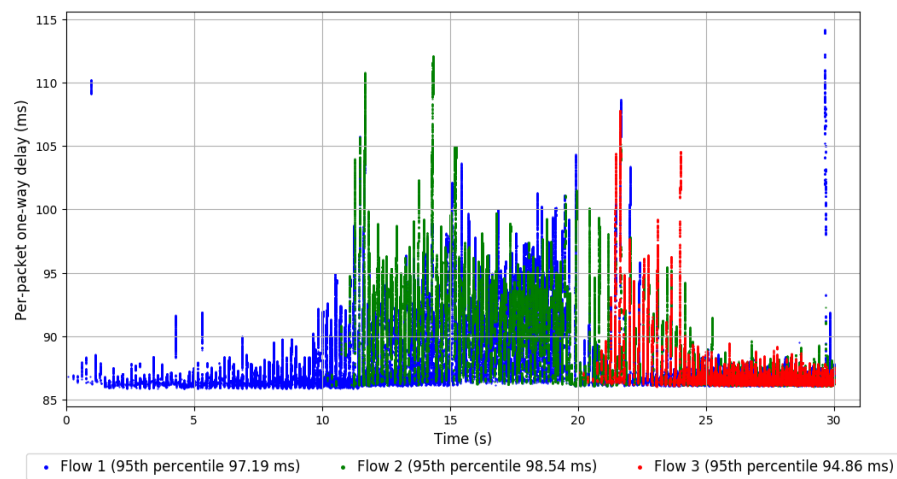
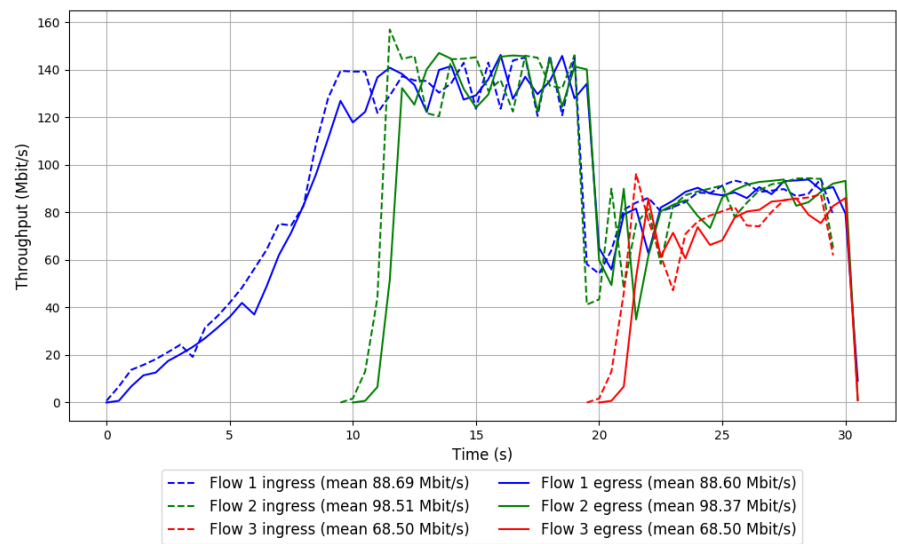
-- Flow 3:

Average throughput: 68.50 Mbit/s

95th percentile per-packet one-way delay: 94.860 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-29 20:22:47

End at: 2018-06-29 20:23:17

Local clock offset: 0.165 ms

Remote clock offset: 0.106 ms

Below is generated by plot.py at 2018-06-29 21:18:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 161.58 Mbit/s

95th percentile per-packet one-way delay: 93.567 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 92.450 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 82.22 Mbit/s

95th percentile per-packet one-way delay: 93.361 ms

Loss rate: 0.04%

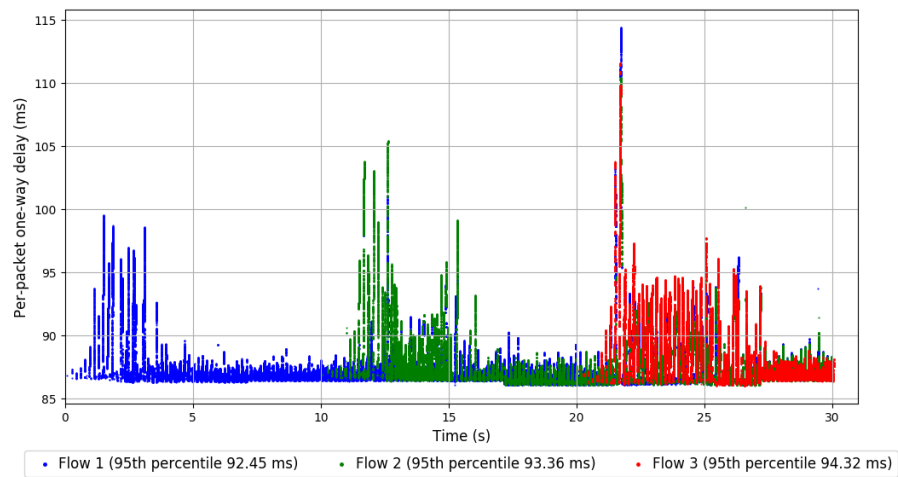
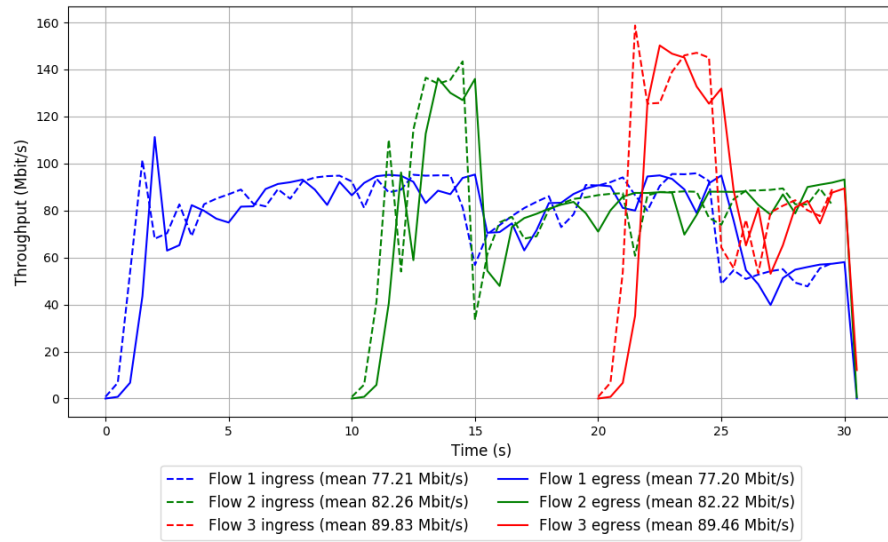
-- Flow 3:

Average throughput: 89.46 Mbit/s

95th percentile per-packet one-way delay: 94.317 ms

Loss rate: 0.41%

Run 10: Report of TCP Cubic — Data Link

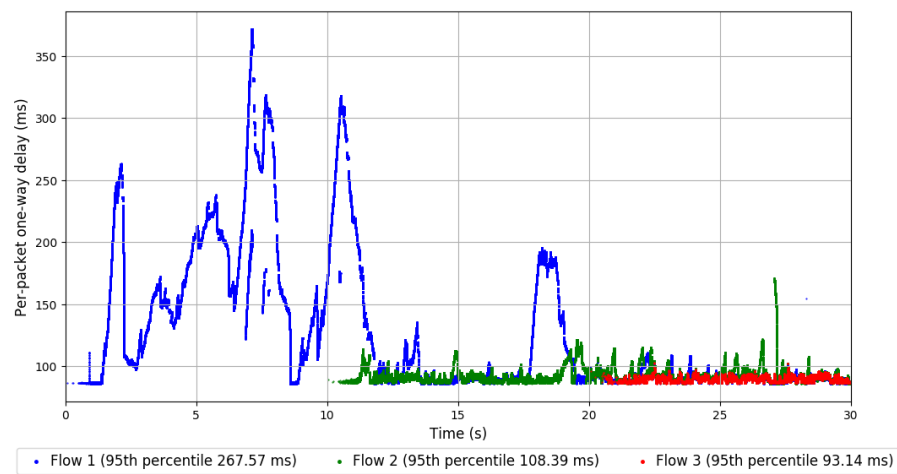
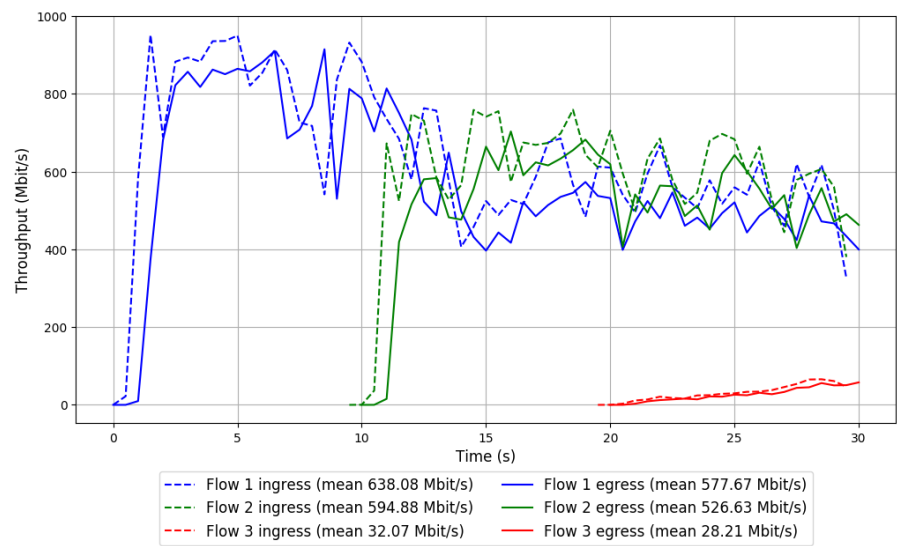


Run 1: Statistics of FillP

Start at: 2018-06-29 16:58:28
End at: 2018-06-29 16:58:58
Local clock offset: 0.042 ms
Remote clock offset: -0.233 ms

Below is generated by plot.py at 2018-06-29 21:35:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 938.35 Mbit/s
95th percentile per-packet one-way delay: 239.887 ms
Loss rate: 10.26%
-- Flow 1:
Average throughput: 577.67 Mbit/s
95th percentile per-packet one-way delay: 267.571 ms
Loss rate: 9.47%
-- Flow 2:
Average throughput: 526.63 Mbit/s
95th percentile per-packet one-way delay: 108.391 ms
Loss rate: 11.48%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 93.137 ms
Loss rate: 12.11%

Run 1: Report of FillP — Data Link

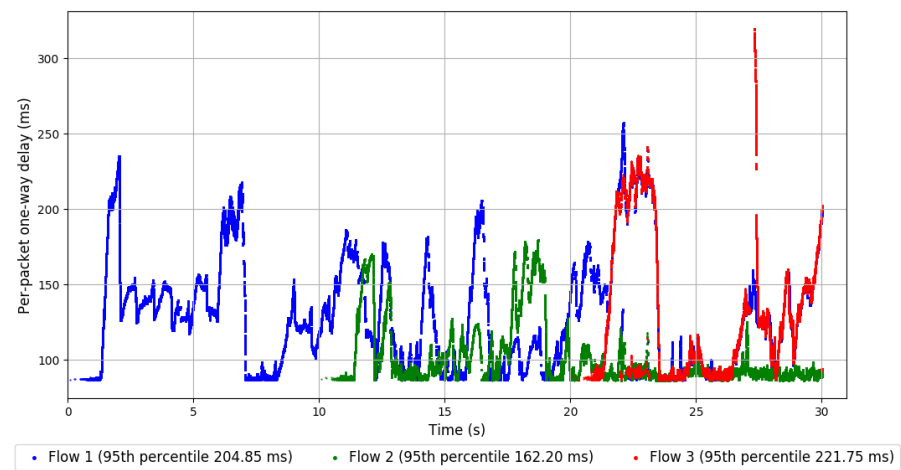
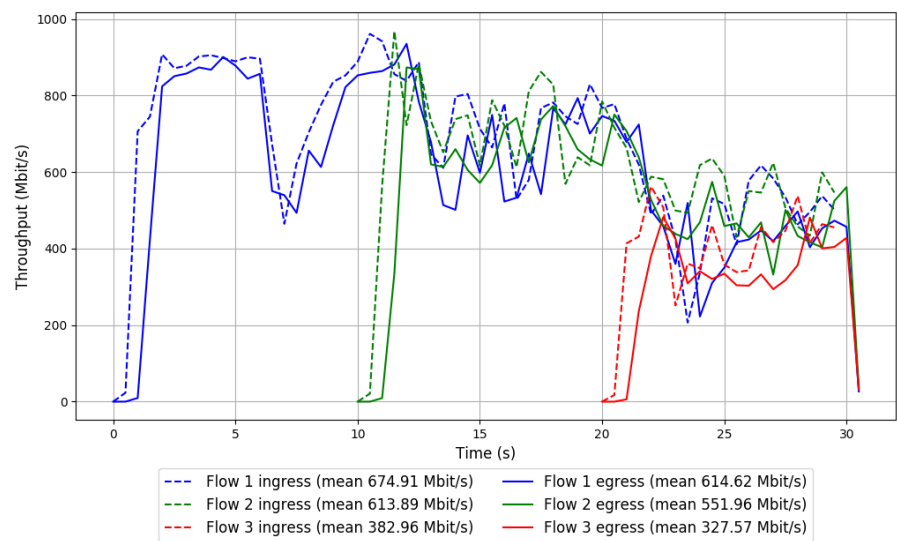


Run 2: Statistics of FillP

Start at: 2018-06-29 17:23:04
End at: 2018-06-29 17:23:34
Local clock offset: -0.128 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2018-06-29 21:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1090.61 Mbit/s
95th percentile per-packet one-way delay: 201.958 ms
Loss rate: 9.89%
-- Flow 1:
Average throughput: 614.62 Mbit/s
95th percentile per-packet one-way delay: 204.852 ms
Loss rate: 8.92%
-- Flow 2:
Average throughput: 551.96 Mbit/s
95th percentile per-packet one-way delay: 162.203 ms
Loss rate: 10.07%
-- Flow 3:
Average throughput: 327.57 Mbit/s
95th percentile per-packet one-way delay: 221.748 ms
Loss rate: 14.44%

Run 2: Report of FillP — Data Link

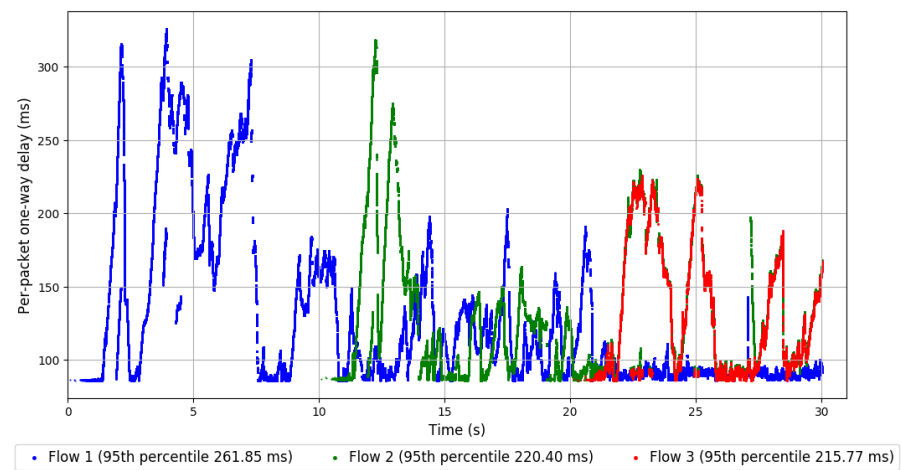
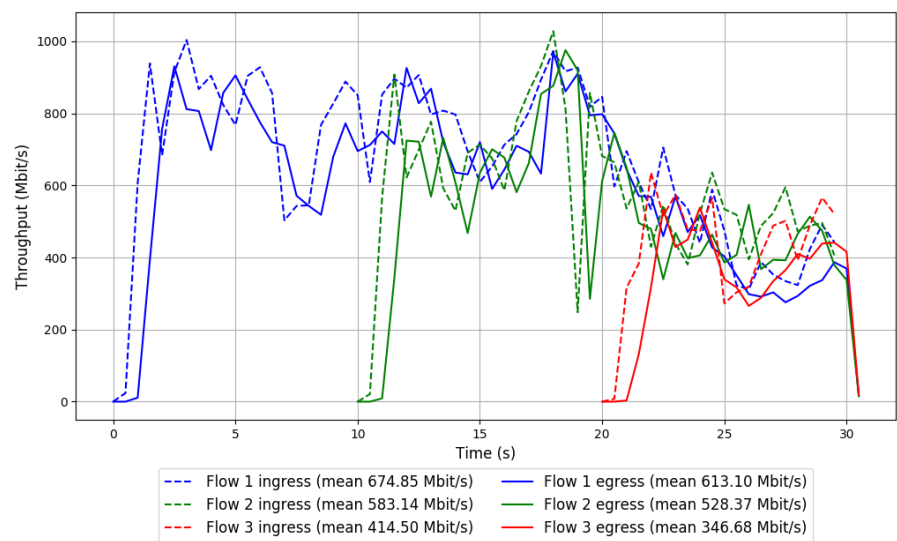


Run 3: Statistics of FillP

Start at: 2018-06-29 17:47:48
End at: 2018-06-29 17:48:18
Local clock offset: 0.272 ms
Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-29 21:39:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1079.70 Mbit/s
95th percentile per-packet one-way delay: 248.539 ms
Loss rate: 10.03%
-- Flow 1:
Average throughput: 613.10 Mbit/s
95th percentile per-packet one-way delay: 261.851 ms
Loss rate: 9.13%
-- Flow 2:
Average throughput: 528.37 Mbit/s
95th percentile per-packet one-way delay: 220.398 ms
Loss rate: 9.38%
-- Flow 3:
Average throughput: 346.68 Mbit/s
95th percentile per-packet one-way delay: 215.767 ms
Loss rate: 16.31%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-29 18:12:30

End at: 2018-06-29 18:13:00

Local clock offset: 0.208 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-06-29 21:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 850.76 Mbit/s

95th percentile per-packet one-way delay: 280.006 ms

Loss rate: 11.79%

-- Flow 1:

Average throughput: 563.71 Mbit/s

95th percentile per-packet one-way delay: 297.009 ms

Loss rate: 10.14%

-- Flow 2:

Average throughput: 424.70 Mbit/s

95th percentile per-packet one-way delay: 107.300 ms

Loss rate: 14.87%

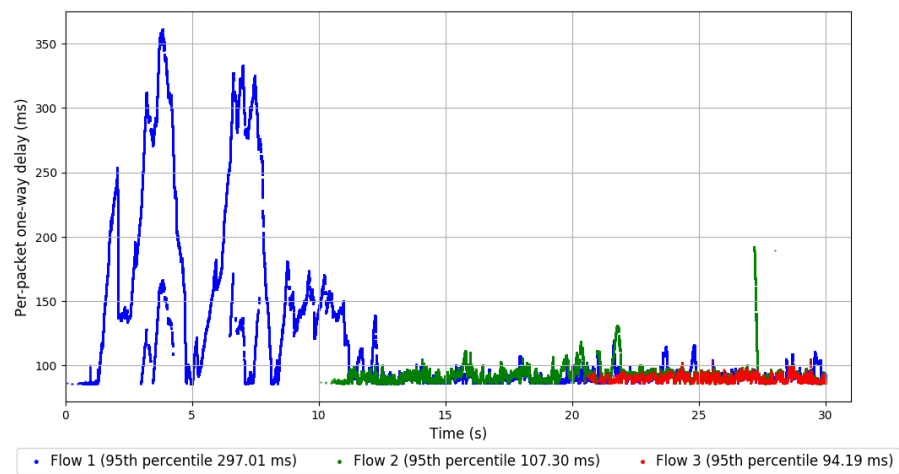
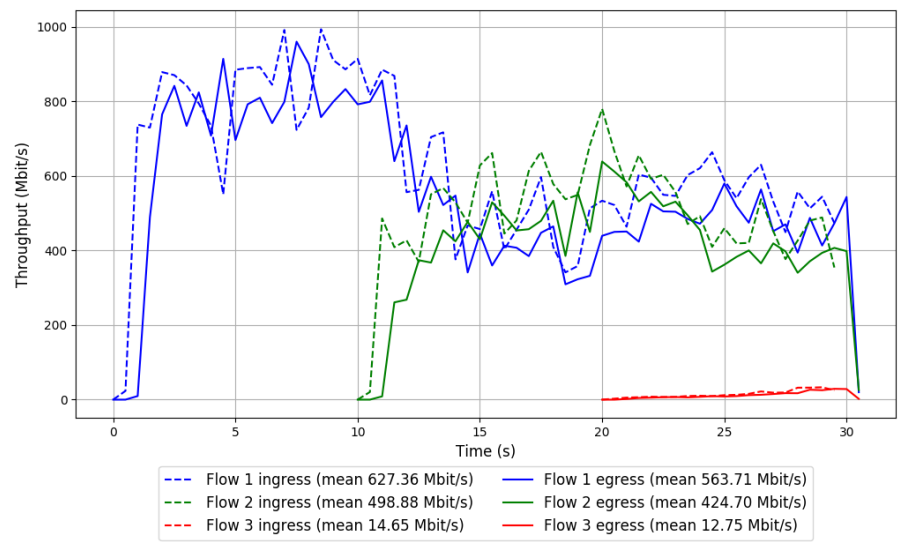
-- Flow 3:

Average throughput: 12.75 Mbit/s

95th percentile per-packet one-way delay: 94.195 ms

Loss rate: 13.01%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-06-29 18:36:48

End at: 2018-06-29 18:37:18

Local clock offset: 0.104 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-29 21:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 537.57 Mbit/s

95th percentile per-packet one-way delay: 320.134 ms

Loss rate: 9.40%

-- Flow 1:

Average throughput: 124.65 Mbit/s

95th percentile per-packet one-way delay: 336.482 ms

Loss rate: 6.11%

-- Flow 2:

Average throughput: 367.43 Mbit/s

95th percentile per-packet one-way delay: 328.550 ms

Loss rate: 8.48%

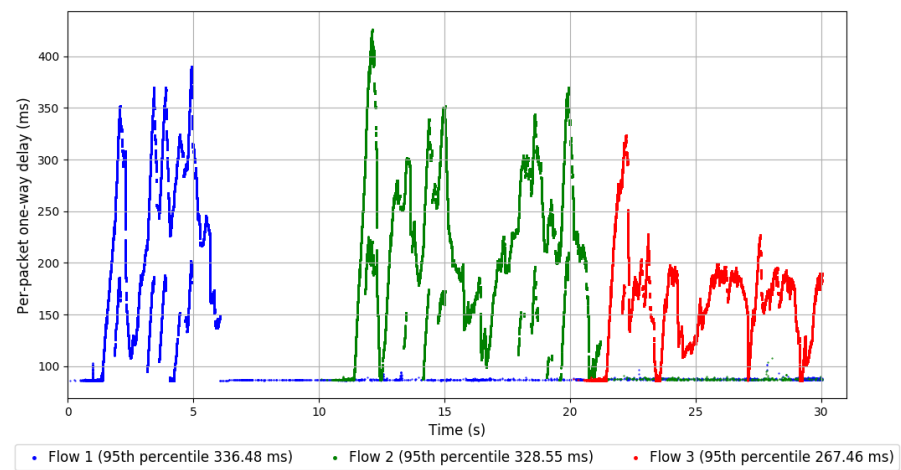
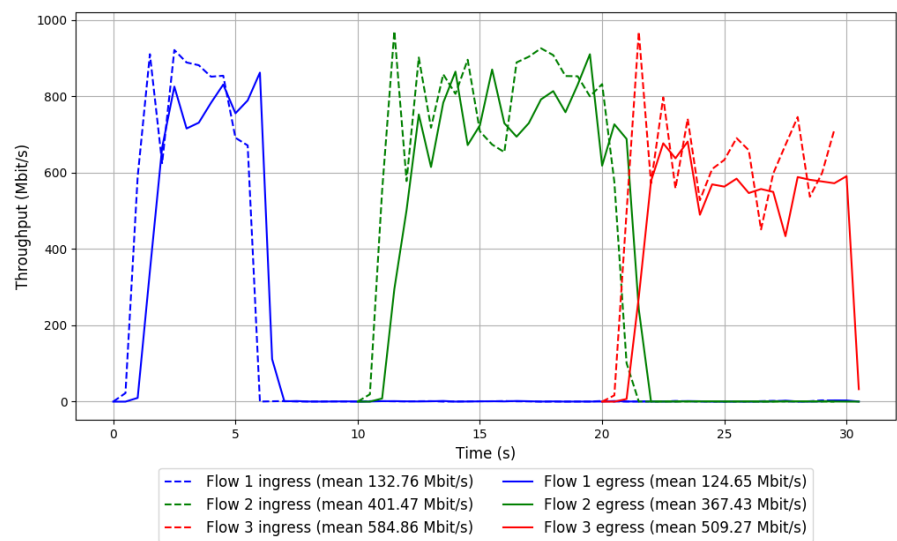
-- Flow 3:

Average throughput: 509.27 Mbit/s

95th percentile per-packet one-way delay: 267.465 ms

Loss rate: 12.92%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-29 19:01:02

End at: 2018-06-29 19:01:32

Local clock offset: 0.206 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-06-29 21:39:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 908.74 Mbit/s

95th percentile per-packet one-way delay: 152.228 ms

Loss rate: 11.72%

-- Flow 1:

Average throughput: 577.96 Mbit/s

95th percentile per-packet one-way delay: 154.360 ms

Loss rate: 10.07%

-- Flow 2:

Average throughput: 461.83 Mbit/s

95th percentile per-packet one-way delay: 101.175 ms

Loss rate: 14.64%

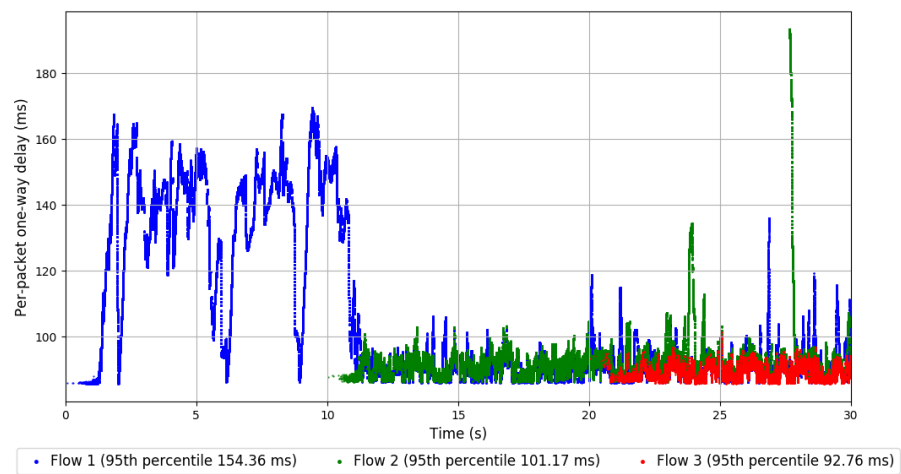
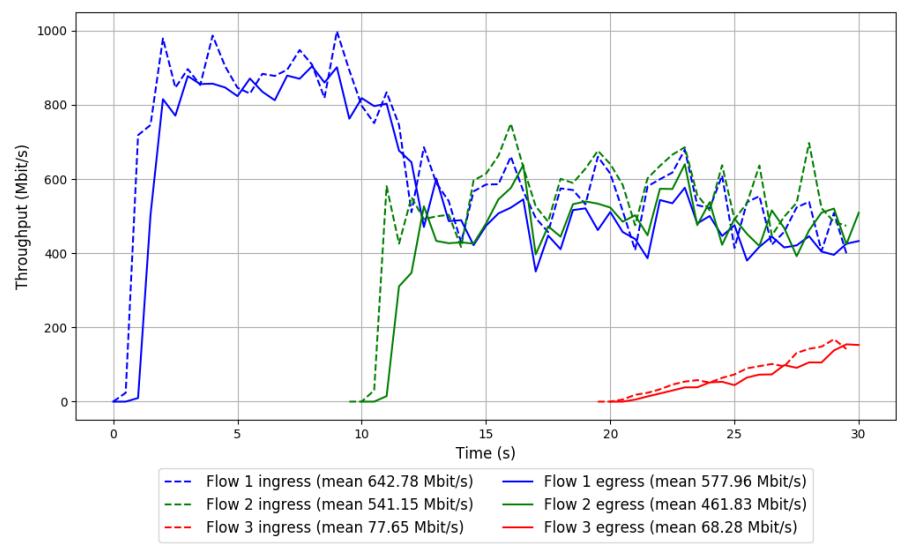
-- Flow 3:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 92.760 ms

Loss rate: 12.10%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-29 19:25:42

End at: 2018-06-29 19:26:12

Local clock offset: -0.01 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-06-29 21:40:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 989.72 Mbit/s

95th percentile per-packet one-way delay: 240.792 ms

Loss rate: 10.13%

-- Flow 1:

Average throughput: 628.79 Mbit/s

95th percentile per-packet one-way delay: 258.032 ms

Loss rate: 9.58%

-- Flow 2:

Average throughput: 524.07 Mbit/s

95th percentile per-packet one-way delay: 173.889 ms

Loss rate: 11.07%

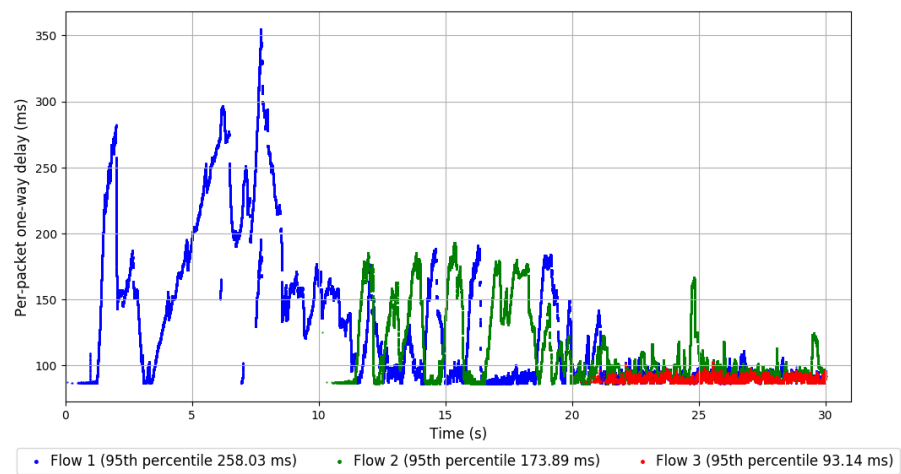
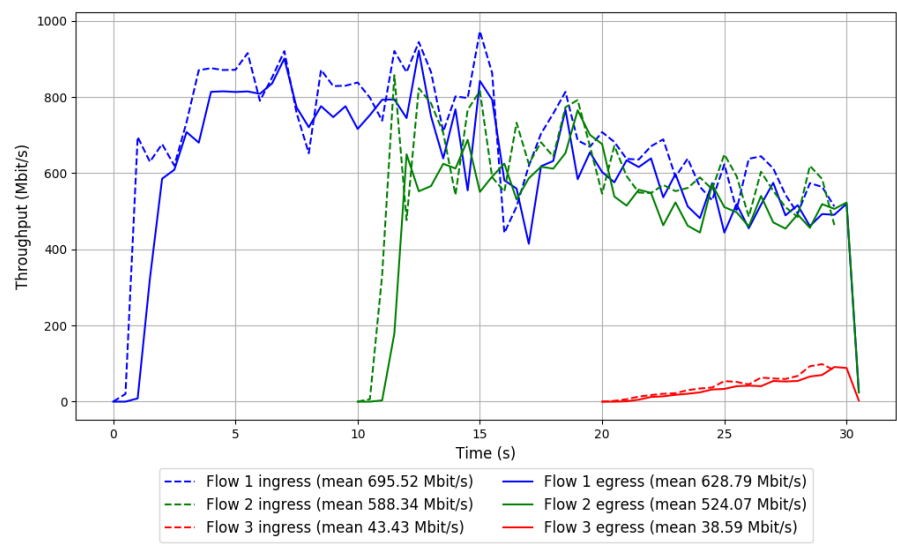
-- Flow 3:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 93.144 ms

Loss rate: 11.17%

Run 7: Report of FillP — Data Link

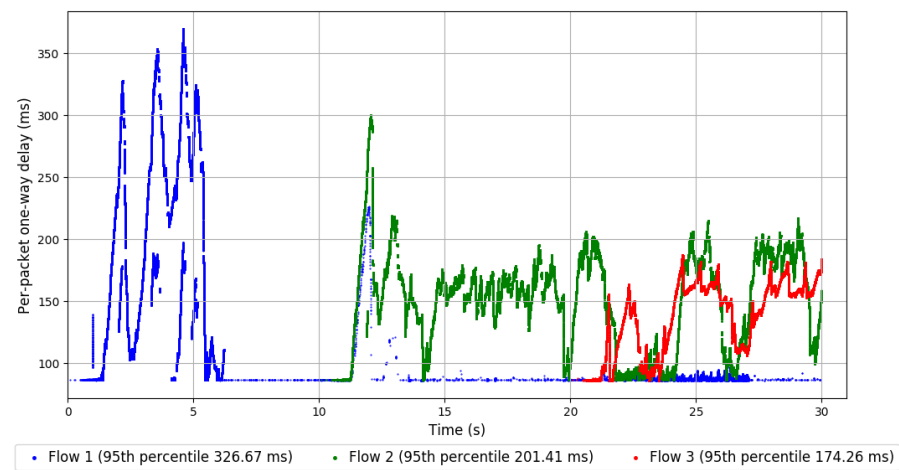
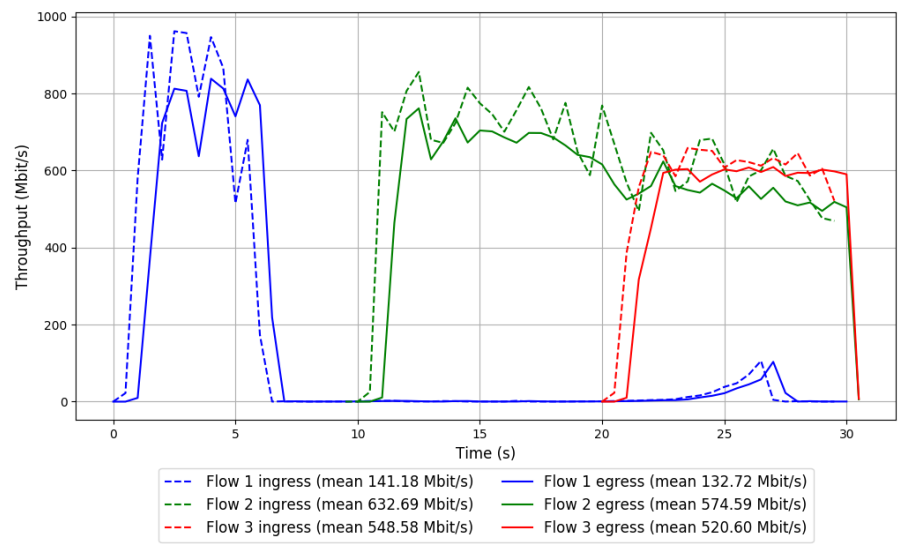


Run 8: Statistics of FillP

Start at: 2018-06-29 19:50:16
End at: 2018-06-29 19:50:46
Local clock offset: 0.076 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-06-29 21:40:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 687.80 Mbit/s
95th percentile per-packet one-way delay: 264.239 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 132.72 Mbit/s
95th percentile per-packet one-way delay: 326.668 ms
Loss rate: 5.99%
-- Flow 2:
Average throughput: 574.59 Mbit/s
95th percentile per-packet one-way delay: 201.410 ms
Loss rate: 9.17%
-- Flow 3:
Average throughput: 520.60 Mbit/s
95th percentile per-packet one-way delay: 174.262 ms
Loss rate: 5.09%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-29 20:14:38

End at: 2018-06-29 20:15:08

Local clock offset: 0.146 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-06-29 21:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 1077.49 Mbit/s

95th percentile per-packet one-way delay: 182.087 ms

Loss rate: 8.20%

-- Flow 1:

Average throughput: 660.04 Mbit/s

95th percentile per-packet one-way delay: 179.666 ms

Loss rate: 7.74%

-- Flow 2:

Average throughput: 582.45 Mbit/s

95th percentile per-packet one-way delay: 192.375 ms

Loss rate: 9.12%

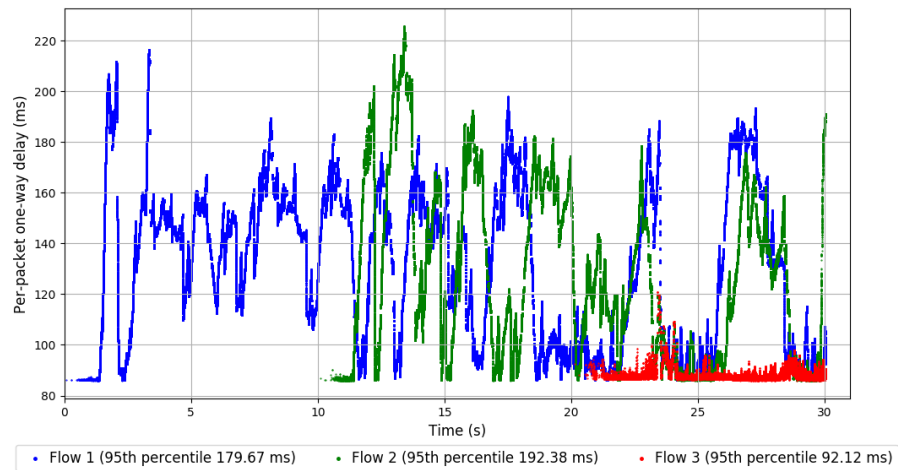
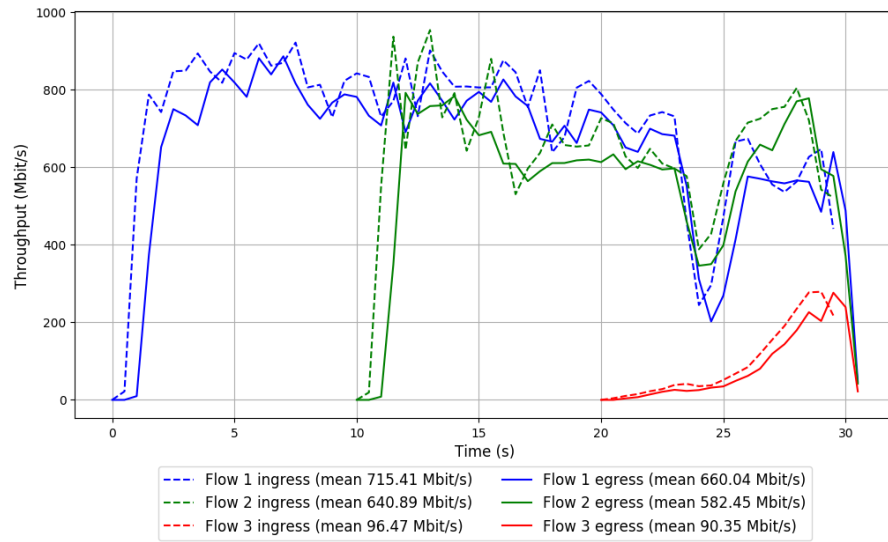
-- Flow 3:

Average throughput: 90.35 Mbit/s

95th percentile per-packet one-way delay: 92.121 ms

Loss rate: 6.39%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-06-29 20:39:34

End at: 2018-06-29 20:40:04

Local clock offset: 0.111 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 978.48 Mbit/s

95th percentile per-packet one-way delay: 184.030 ms

Loss rate: 12.90%

-- Flow 1:

Average throughput: 527.58 Mbit/s

95th percentile per-packet one-way delay: 189.969 ms

Loss rate: 12.47%

-- Flow 2:

Average throughput: 512.49 Mbit/s

95th percentile per-packet one-way delay: 135.532 ms

Loss rate: 12.02%

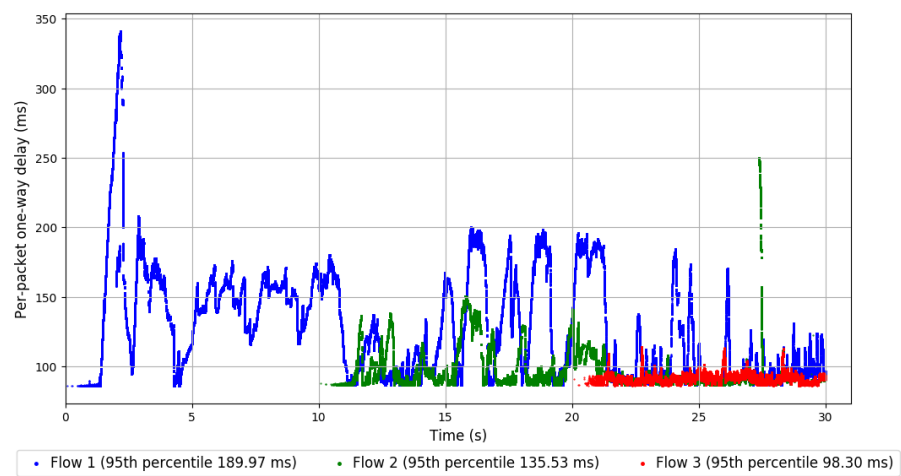
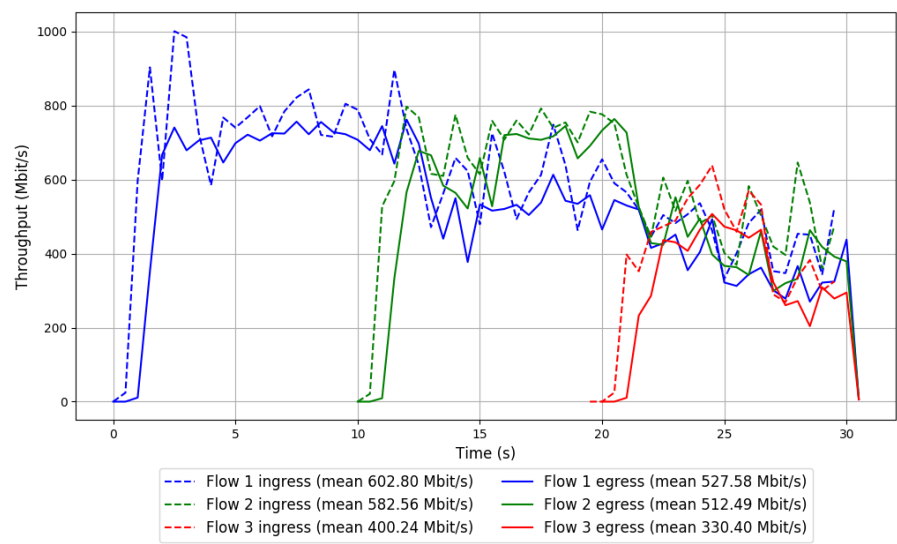
-- Flow 3:

Average throughput: 330.40 Mbit/s

95th percentile per-packet one-way delay: 98.300 ms

Loss rate: 17.45%

Run 10: Report of FillP — Data Link

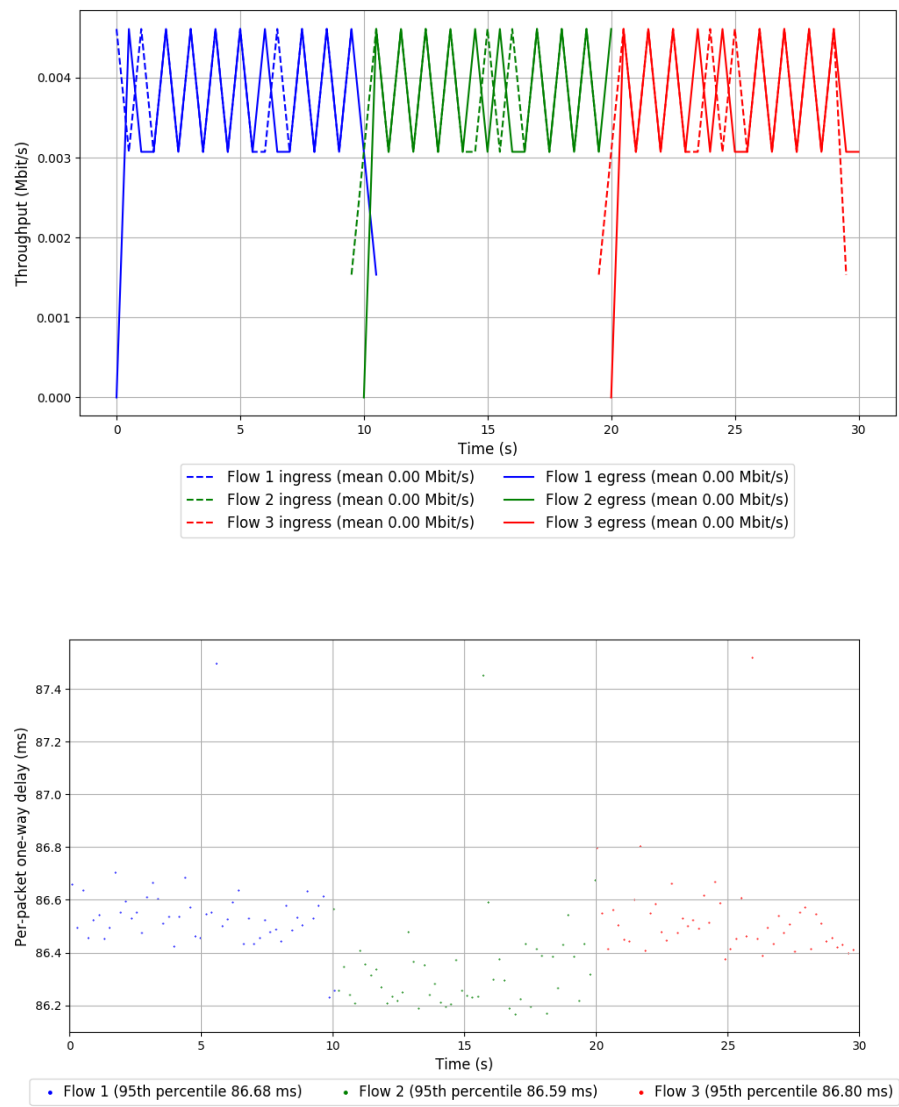


Run 1: Statistics of FillP-Sheep

Start at: 2018-06-29 17:00:24
End at: 2018-06-29 17:00:54
Local clock offset: -0.062 ms
Remote clock offset: -0.209 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.798 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

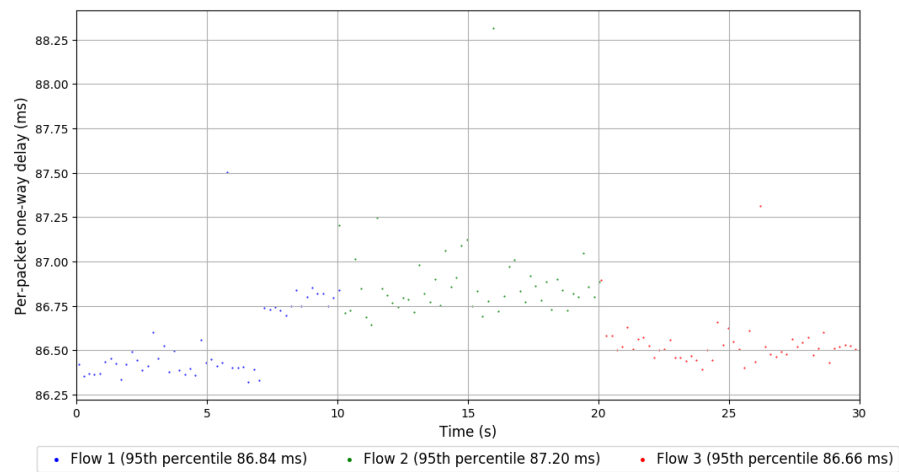
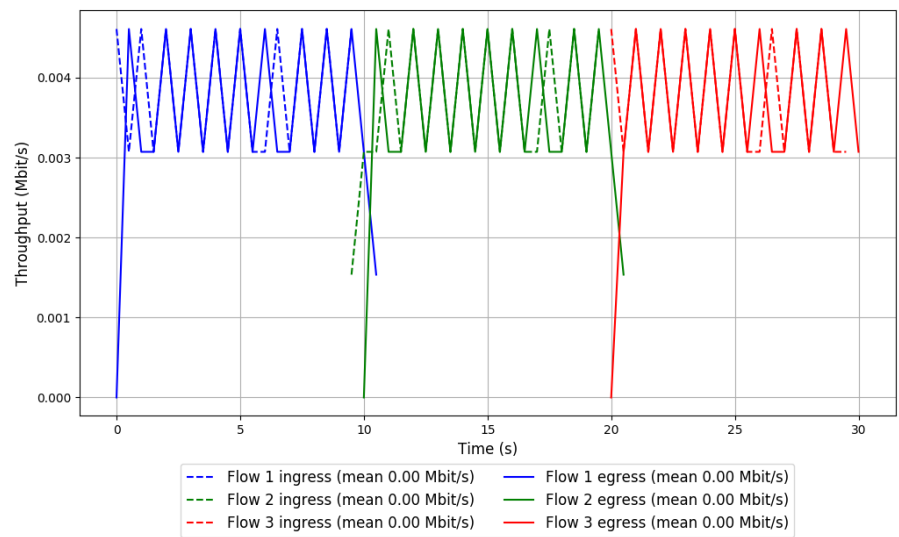


Run 2: Statistics of FillP-Sheep

Start at: 2018-06-29 17:25:07
End at: 2018-06-29 17:25:37
Local clock offset: 0.042 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.839 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.660 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

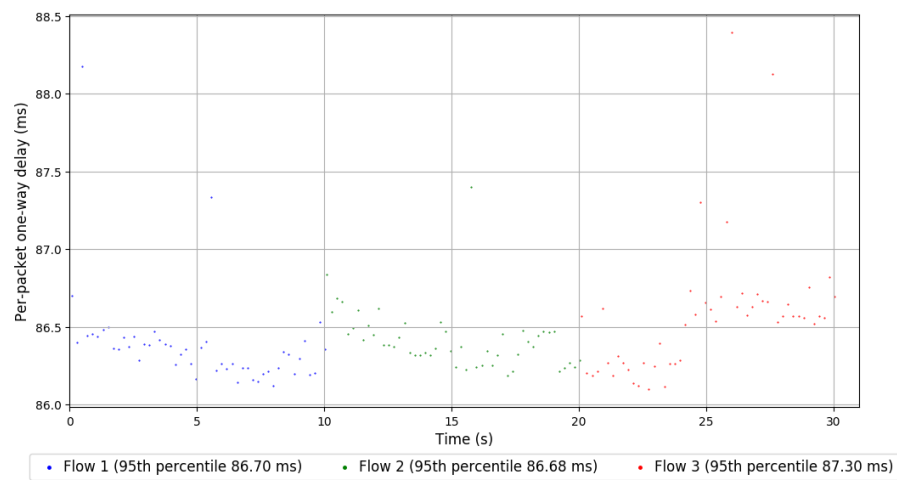
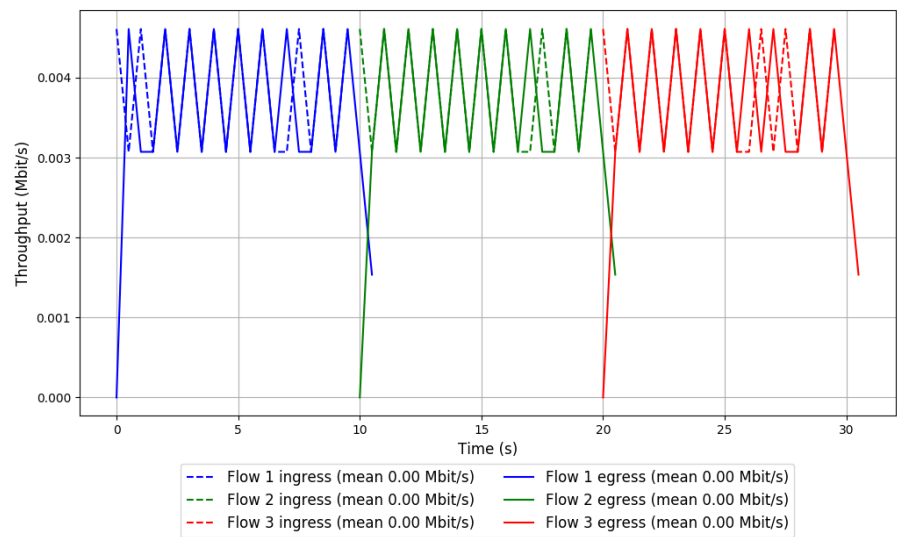


Run 3: Statistics of FillP-Sheep

Start at: 2018-06-29 17:49:50
End at: 2018-06-29 17:50:20
Local clock offset: 0.093 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.699 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 87.300 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-06-29 18:14:22

End at: 2018-06-29 18:14:52

Local clock offset: 0.037 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.919 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.622 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

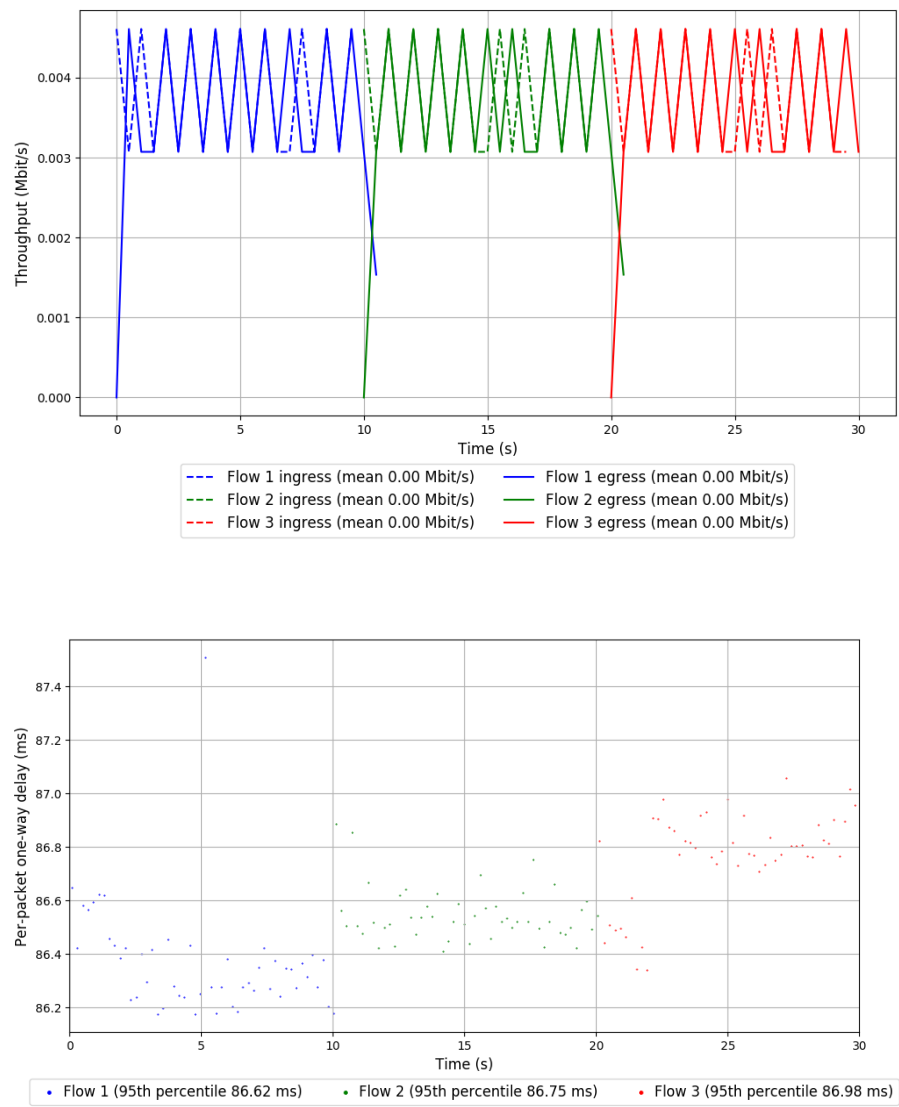
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.980 ms

Loss rate: 0.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-06-29 18:38:26

End at: 2018-06-29 18:38:56

Local clock offset: 0.012 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.065 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.882 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.302 ms

Loss rate: 0.00%

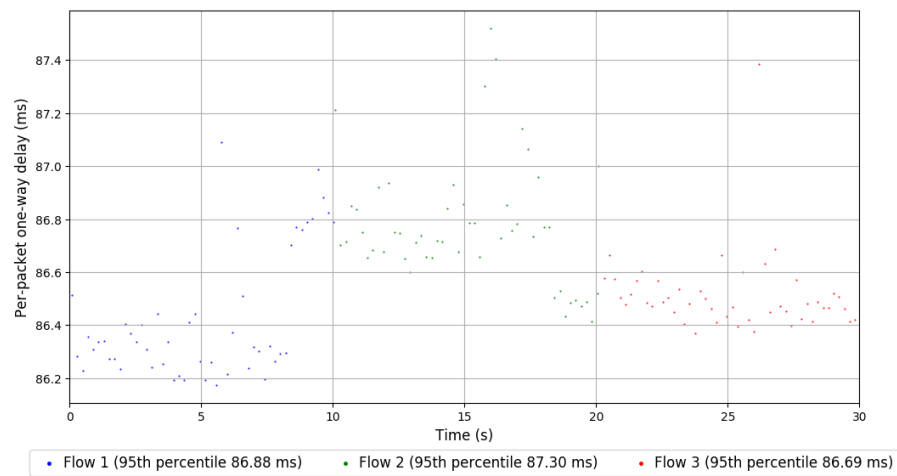
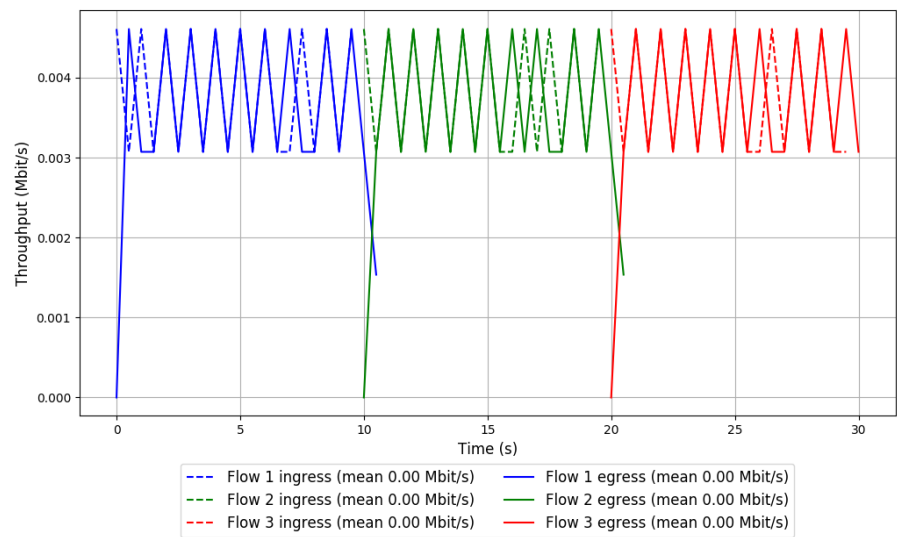
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.686 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-06-29 19:02:58

End at: 2018-06-29 19:03:28

Local clock offset: -0.082 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.148 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.290 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.770 ms

Loss rate: 0.00%

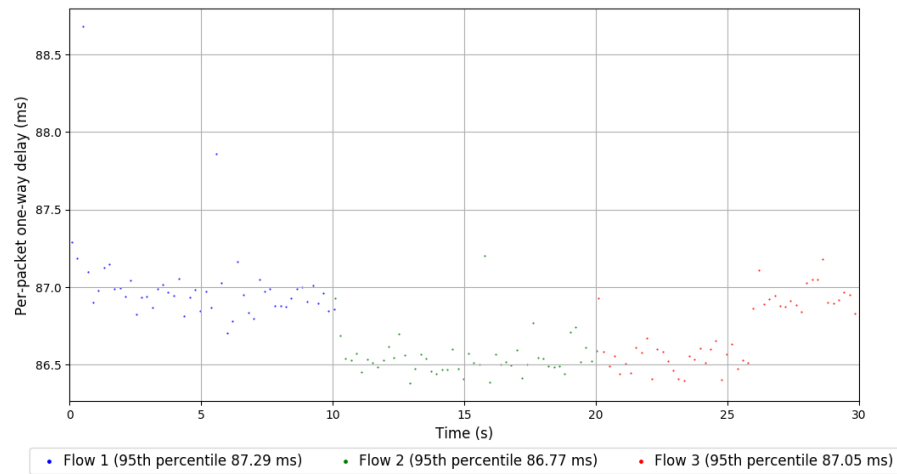
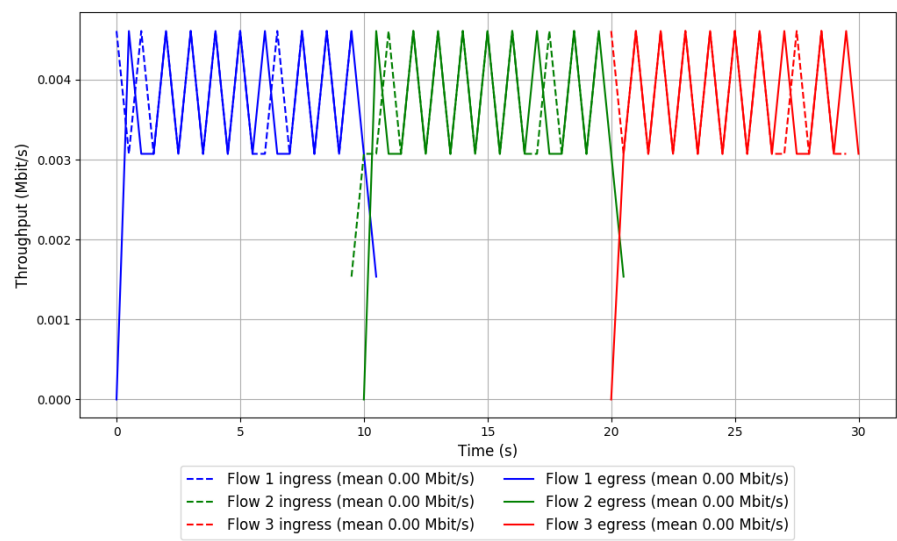
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 87.048 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-06-29 19:27:41

End at: 2018-06-29 19:28:11

Local clock offset: 0.006 ms

Remote clock offset: 0.098 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.821 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.898 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.461 ms

Loss rate: 0.00%

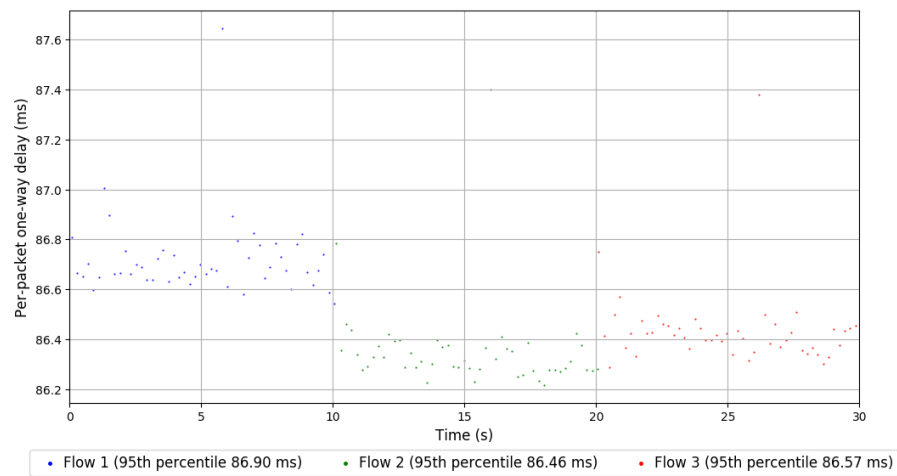
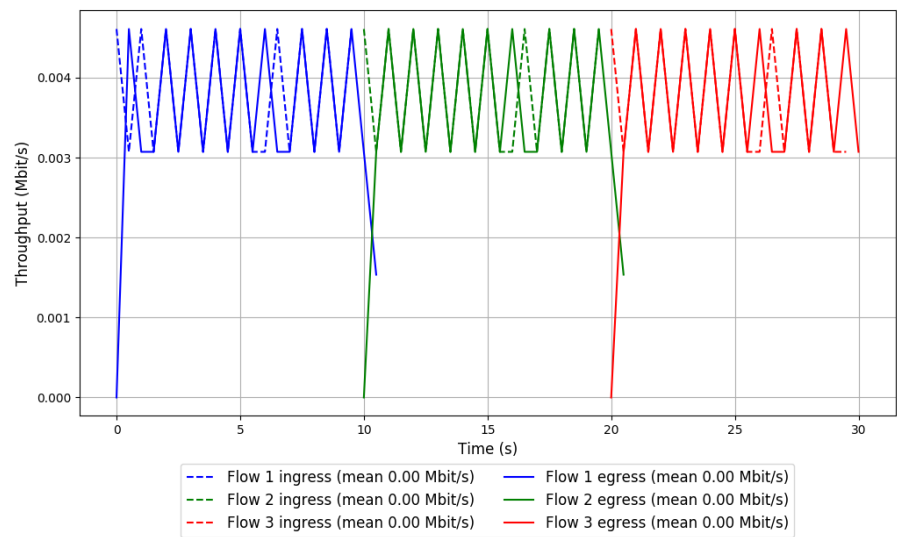
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.572 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link

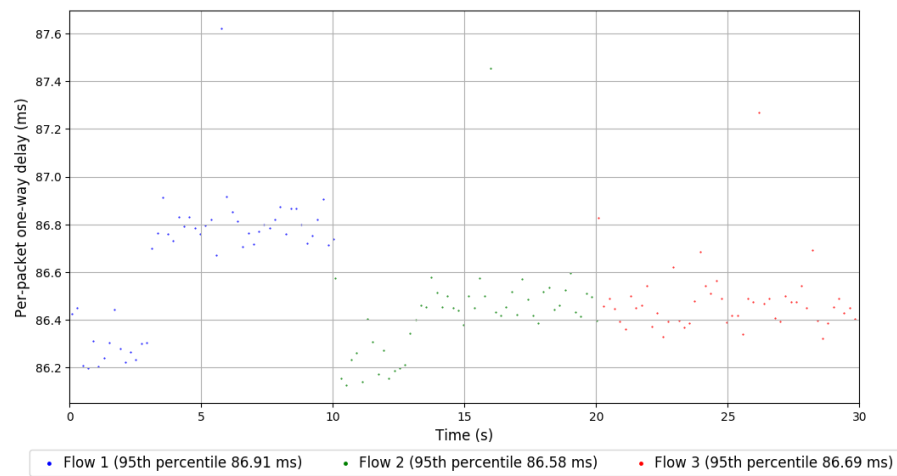
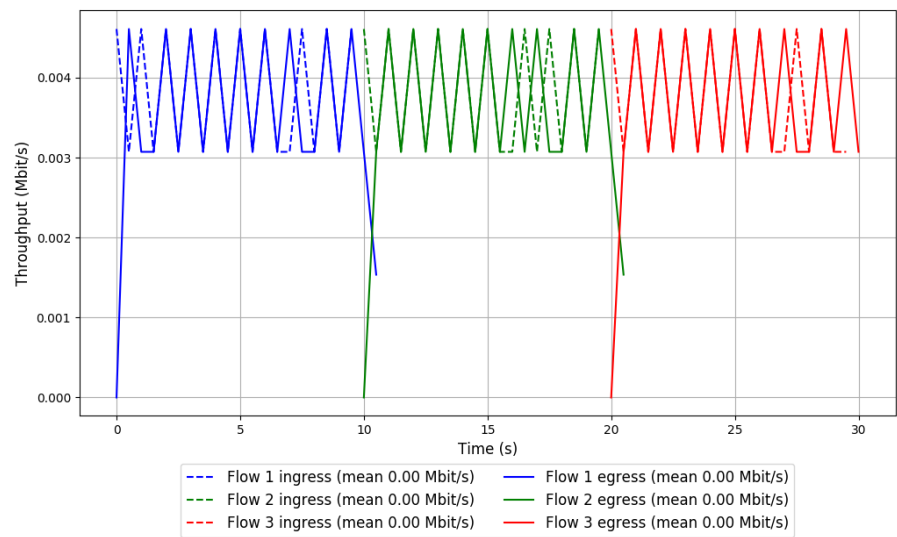


Run 8: Statistics of FillP-Sheep

Start at: 2018-06-29 19:52:01
End at: 2018-06-29 19:52:31
Local clock offset: -0.029 ms
Remote clock offset: -0.311 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.912 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.578 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-06-29 20:16:38

End at: 2018-06-29 20:17:08

Local clock offset: 0.167 ms

Remote clock offset: 0.083 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.821 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.459 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.892 ms

Loss rate: 0.00%

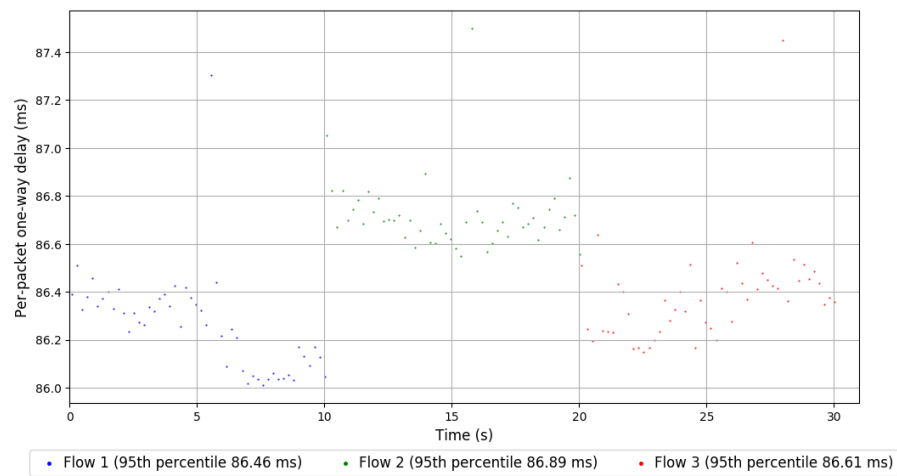
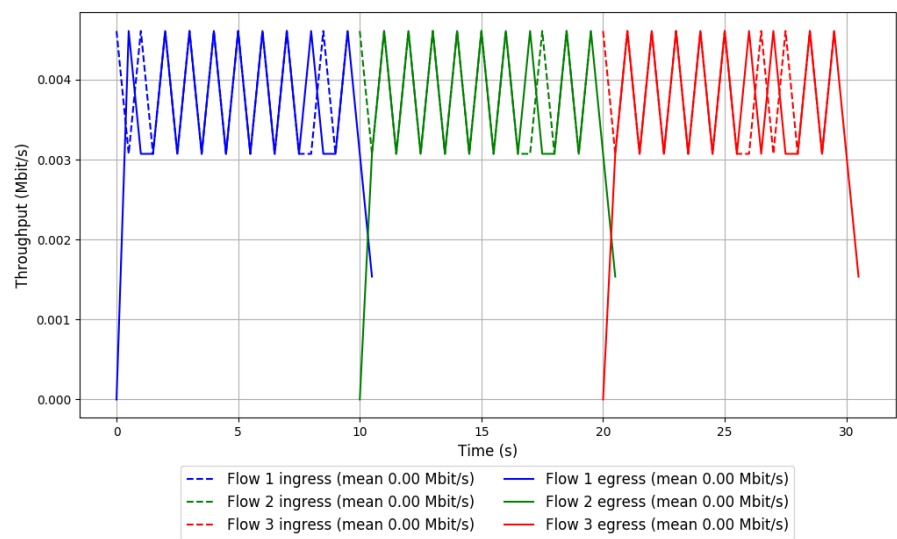
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.605 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-29 20:41:34

End at: 2018-06-29 20:42:04

Local clock offset: 0.207 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.541 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.495 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.268 ms

Loss rate: 0.00%

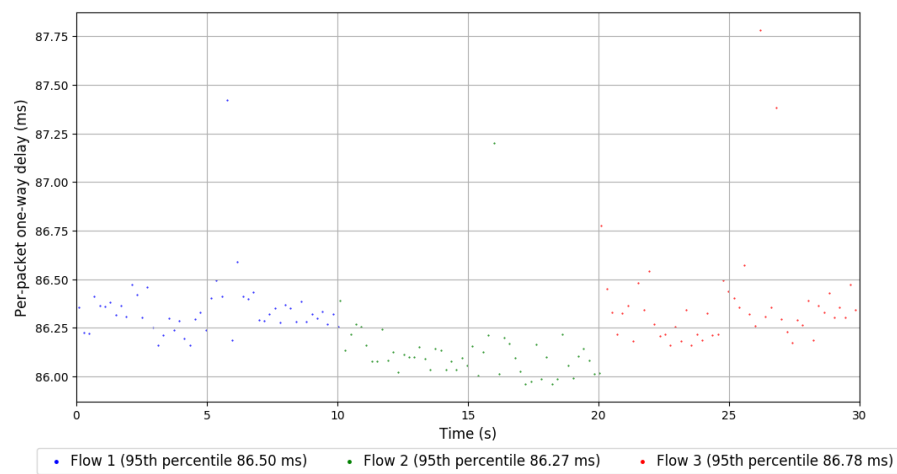
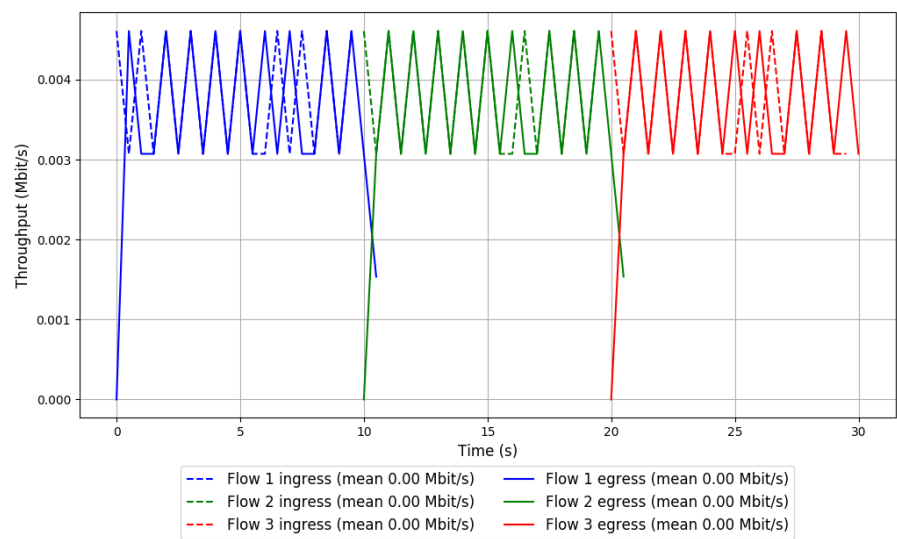
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 86.776 ms

Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

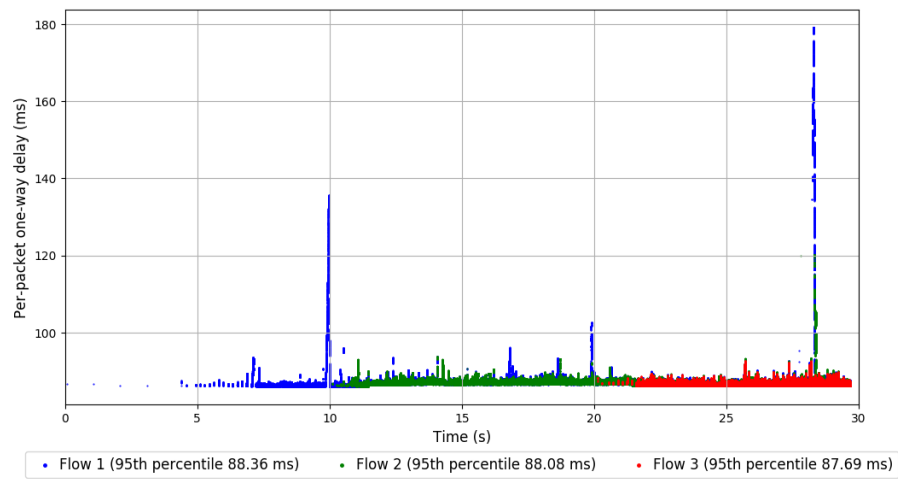
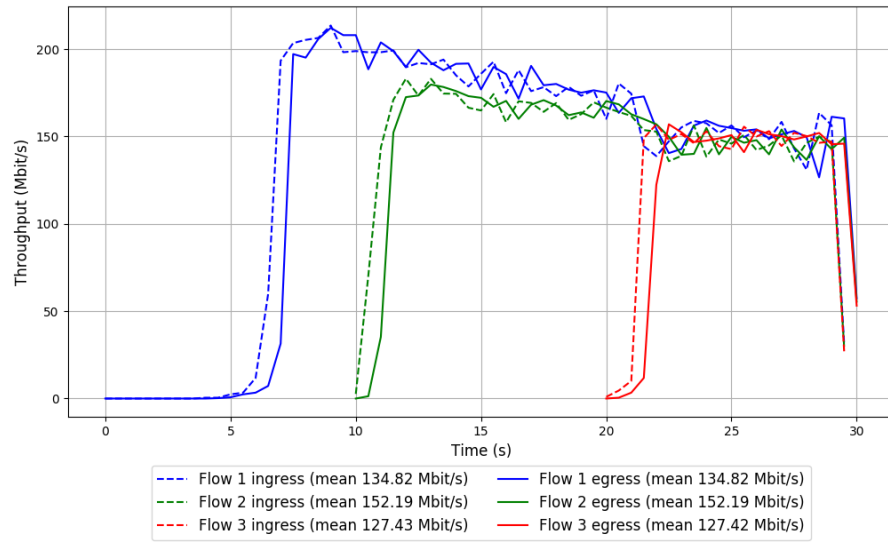


Run 1: Statistics of Indigo

Start at: 2018-06-29 16:48:42
End at: 2018-06-29 16:49:12
Local clock offset: 0.081 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.64 Mbit/s
95th percentile per-packet one-way delay: 88.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 134.82 Mbit/s
95th percentile per-packet one-way delay: 88.362 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.19 Mbit/s
95th percentile per-packet one-way delay: 88.083 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.42 Mbit/s
95th percentile per-packet one-way delay: 87.692 ms
Loss rate: 0.01%

Run 1: Report of Indigo — Data Link

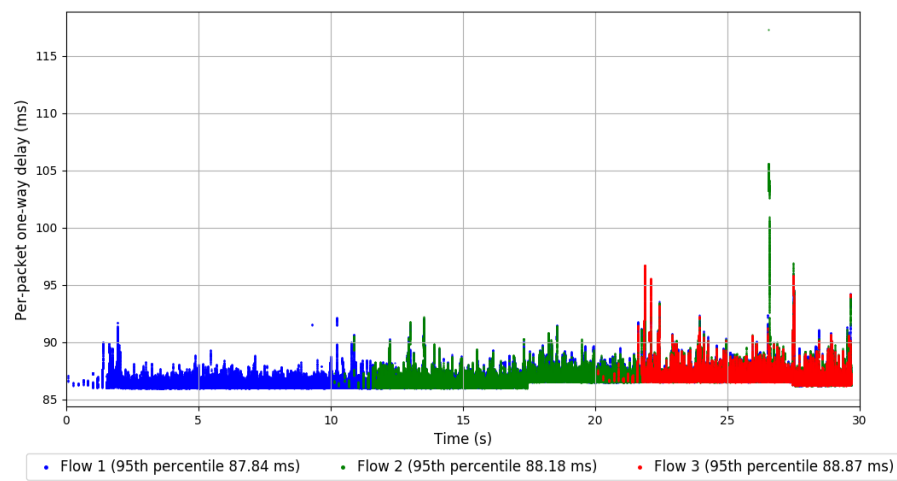
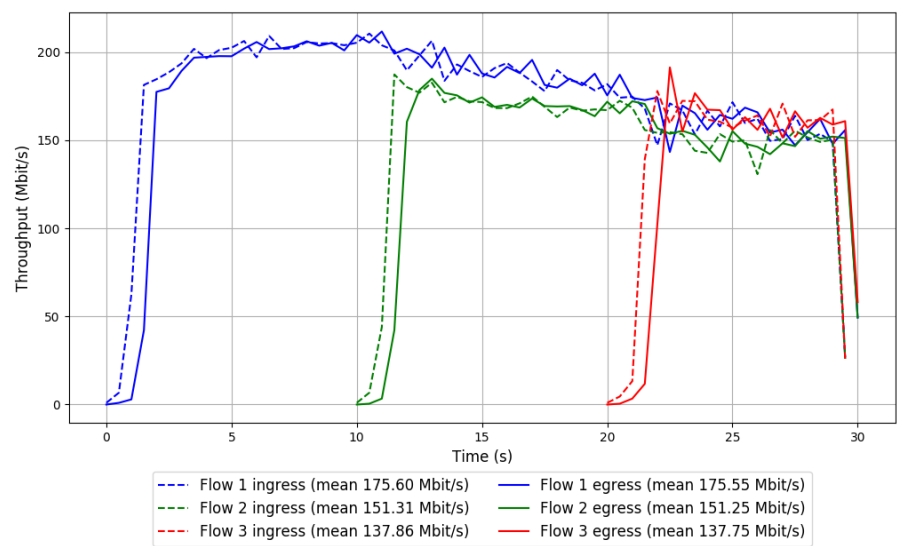


Run 2: Statistics of Indigo

Start at: 2018-06-29 17:13:16
End at: 2018-06-29 17:13:46
Local clock offset: 0.068 ms
Remote clock offset: -0.154 ms

Below is generated by plot.py at 2018-06-29 21:56:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 320.01 Mbit/s
95th percentile per-packet one-way delay: 88.109 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 175.55 Mbit/s
95th percentile per-packet one-way delay: 87.845 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 151.25 Mbit/s
95th percentile per-packet one-way delay: 88.180 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 137.75 Mbit/s
95th percentile per-packet one-way delay: 88.873 ms
Loss rate: 0.09%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-06-29 17:38:02

End at: 2018-06-29 17:38:32

Local clock offset: 0.255 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.24 Mbit/s

95th percentile per-packet one-way delay: 87.742 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 156.48 Mbit/s

95th percentile per-packet one-way delay: 87.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 144.25 Mbit/s

95th percentile per-packet one-way delay: 87.782 ms

Loss rate: 0.00%

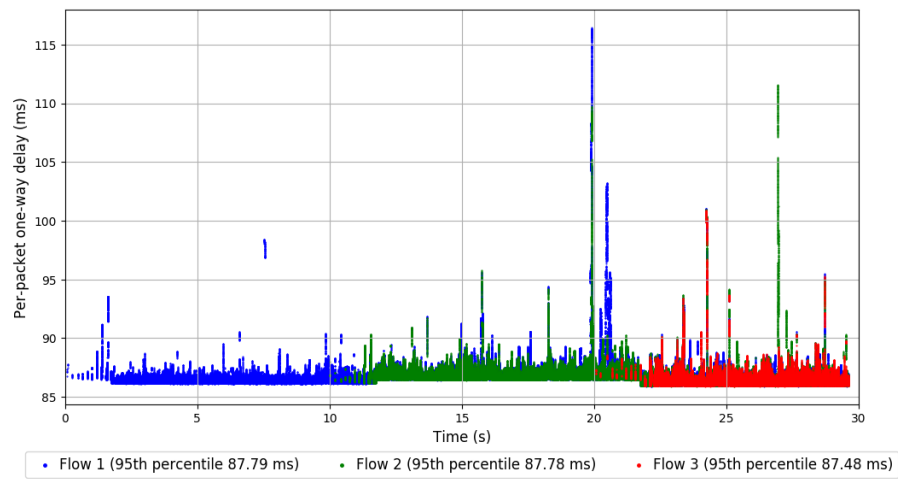
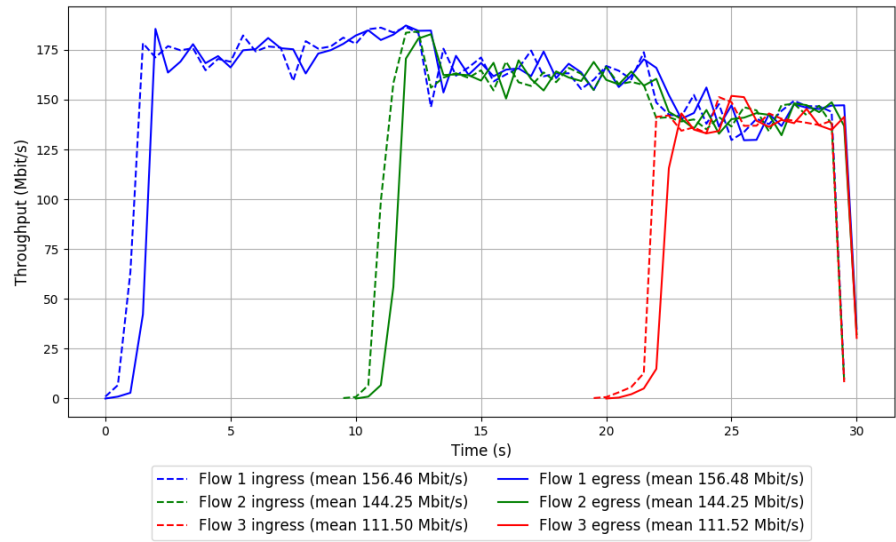
-- Flow 3:

Average throughput: 111.52 Mbit/s

95th percentile per-packet one-way delay: 87.481 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-06-29 18:02:46

End at: 2018-06-29 18:03:16

Local clock offset: 0.058 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 321.90 Mbit/s

95th percentile per-packet one-way delay: 88.640 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 173.40 Mbit/s

95th percentile per-packet one-way delay: 88.530 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 158.97 Mbit/s

95th percentile per-packet one-way delay: 88.661 ms

Loss rate: 0.17%

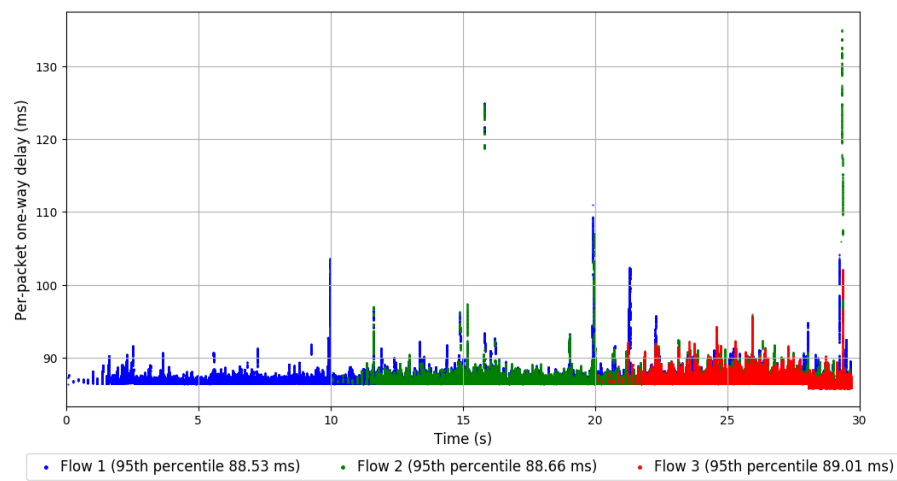
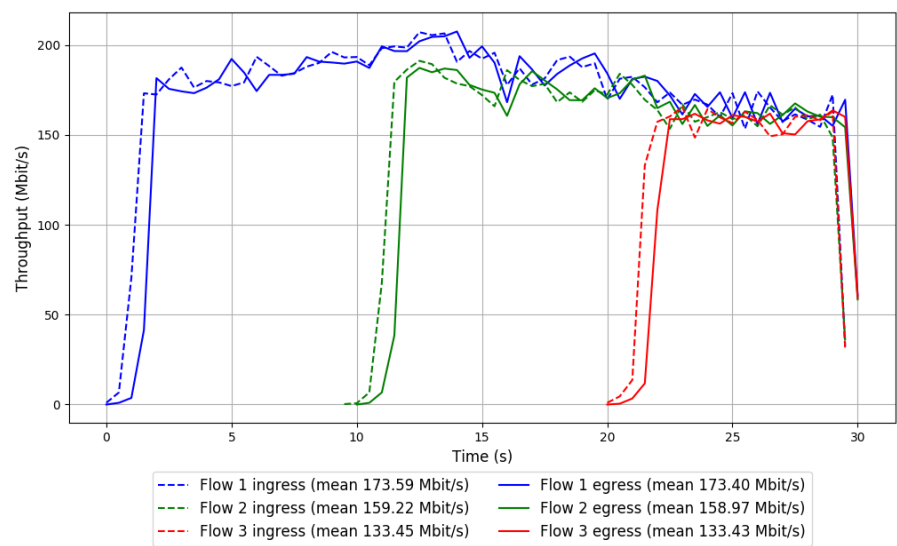
-- Flow 3:

Average throughput: 133.43 Mbit/s

95th percentile per-packet one-way delay: 89.007 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-29 18:27:02

End at: 2018-06-29 18:27:32

Local clock offset: 0.186 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.56 Mbit/s

95th percentile per-packet one-way delay: 87.780 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 158.04 Mbit/s

95th percentile per-packet one-way delay: 87.646 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 149.14 Mbit/s

95th percentile per-packet one-way delay: 87.856 ms

Loss rate: 0.07%

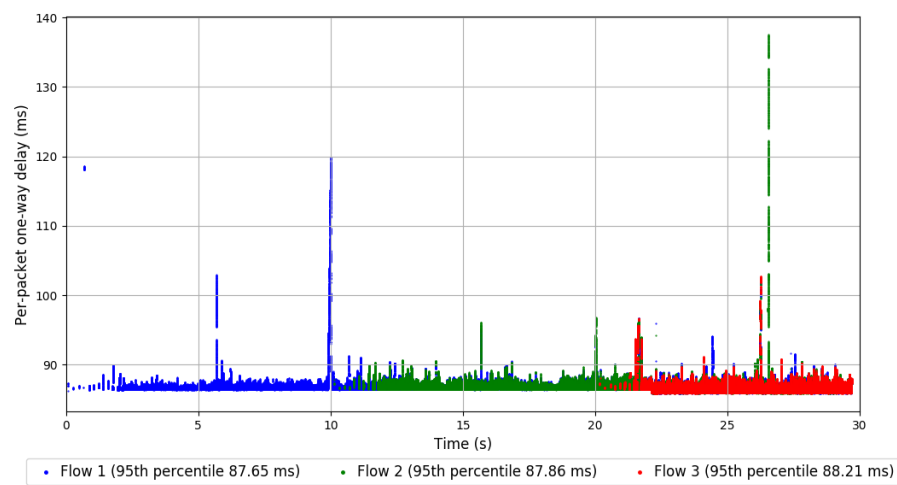
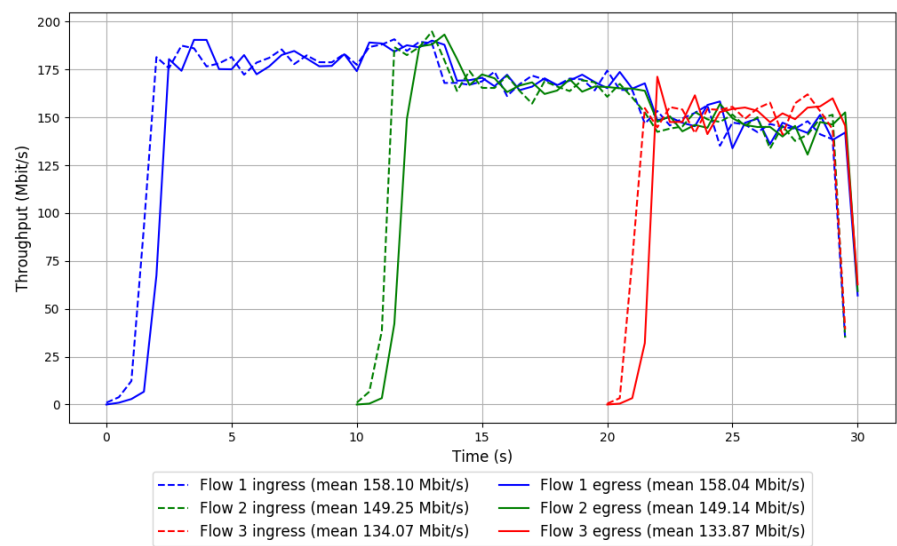
-- Flow 3:

Average throughput: 133.87 Mbit/s

95th percentile per-packet one-way delay: 88.212 ms

Loss rate: 0.16%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-29 18:51:16

End at: 2018-06-29 18:51:46

Local clock offset: 0.063 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-06-29 21:56:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 313.61 Mbit/s

95th percentile per-packet one-way delay: 87.890 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 171.74 Mbit/s

95th percentile per-packet one-way delay: 87.703 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 151.92 Mbit/s

95th percentile per-packet one-way delay: 87.902 ms

Loss rate: 0.04%

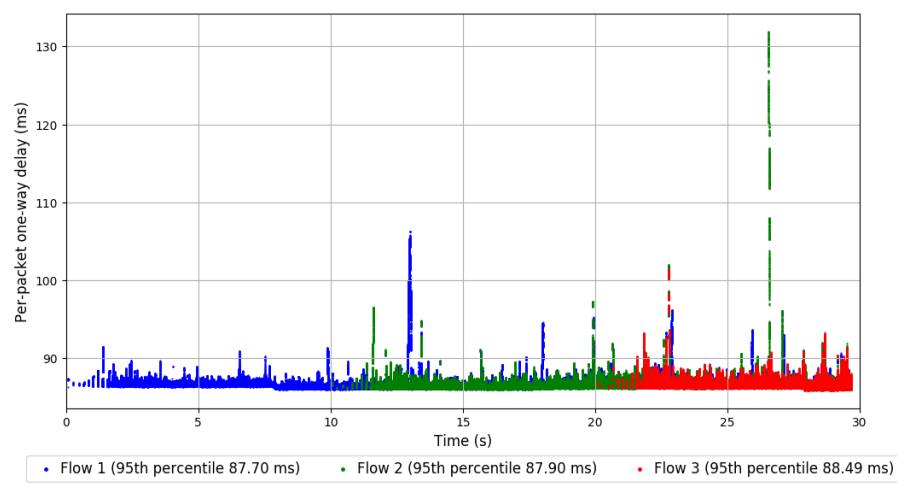
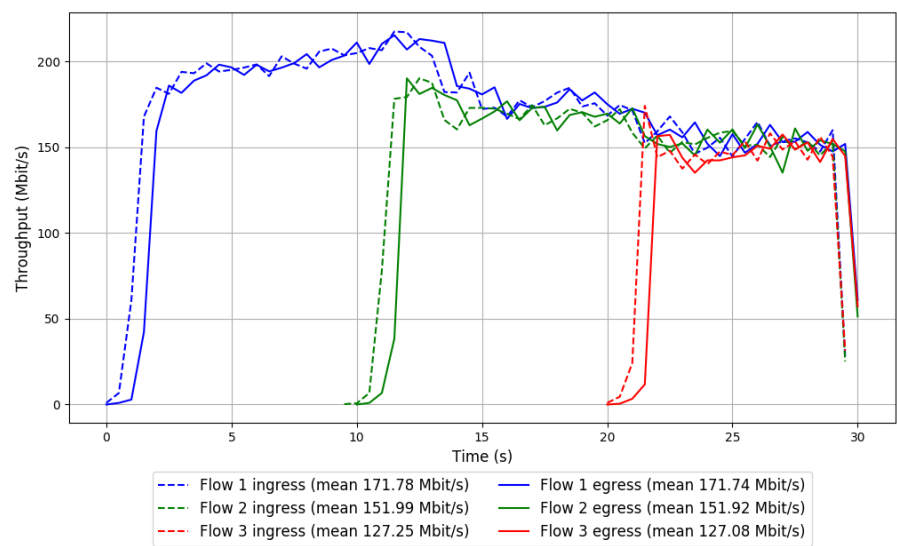
-- Flow 3:

Average throughput: 127.08 Mbit/s

95th percentile per-packet one-way delay: 88.489 ms

Loss rate: 0.13%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-29 19:15:55

End at: 2018-06-29 19:16:25

Local clock offset: 0.176 ms

Remote clock offset: 0.276 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.90 Mbit/s

95th percentile per-packet one-way delay: 89.019 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 185.00 Mbit/s

95th percentile per-packet one-way delay: 88.632 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 157.37 Mbit/s

95th percentile per-packet one-way delay: 89.065 ms

Loss rate: 0.04%

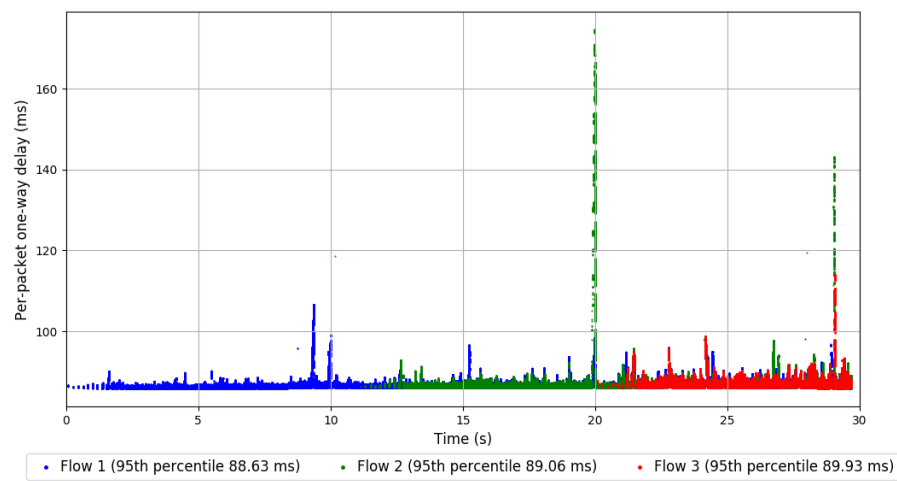
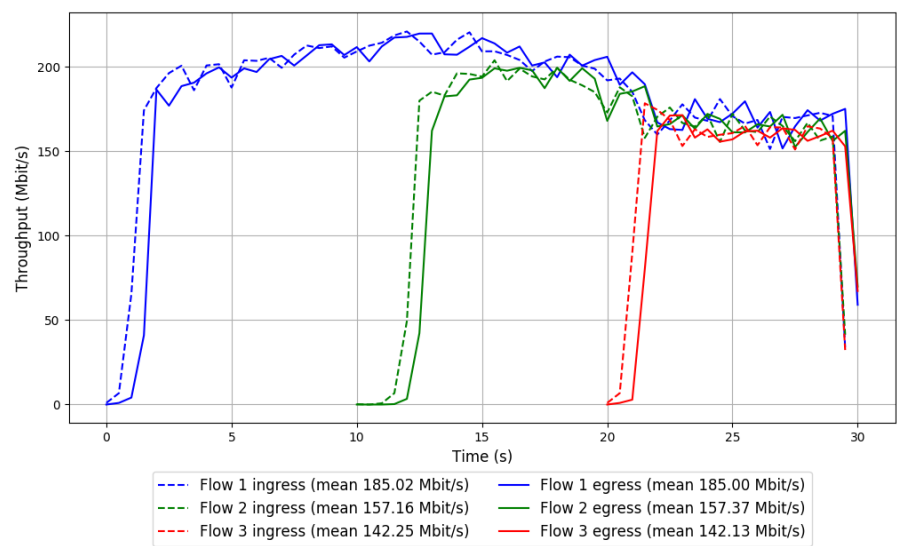
-- Flow 3:

Average throughput: 142.13 Mbit/s

95th percentile per-packet one-way delay: 89.932 ms

Loss rate: 0.09%

Run 7: Report of Indigo — Data Link

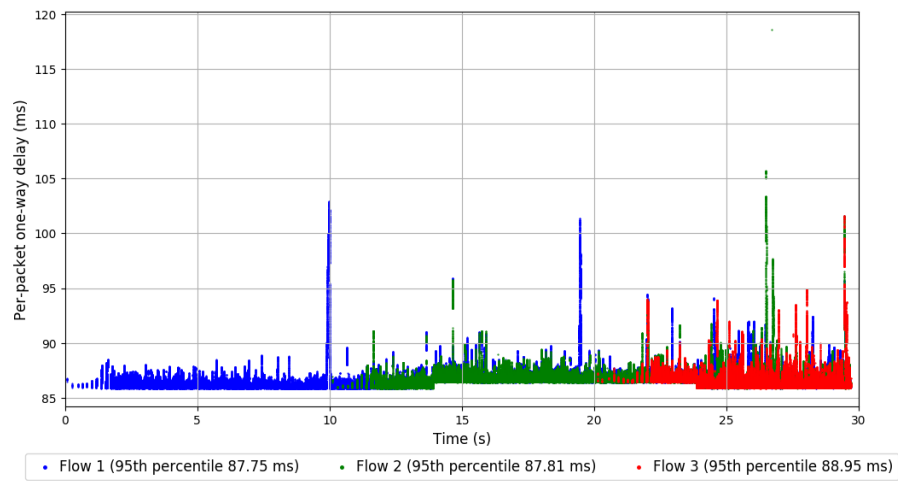
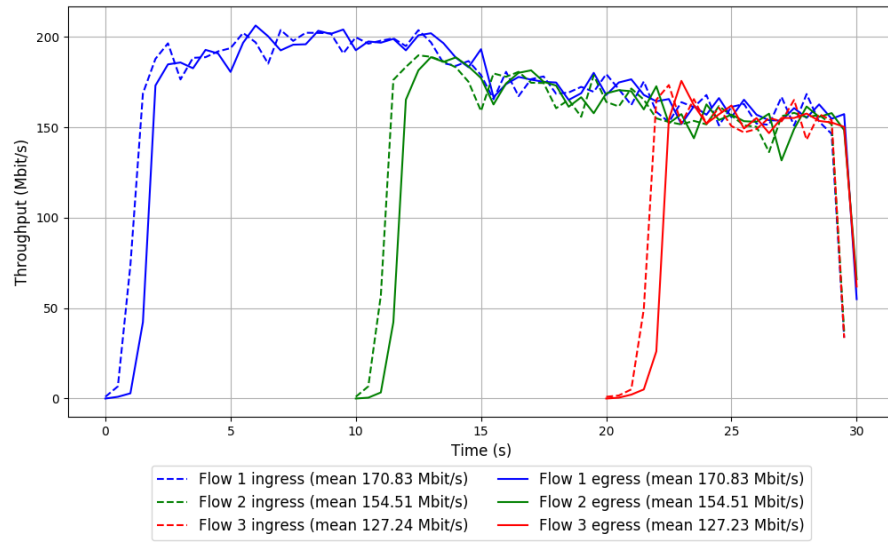


Run 8: Statistics of Indigo

Start at: 2018-06-29 19:40:30
End at: 2018-06-29 19:41:00
Local clock offset: 0.063 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.10 Mbit/s
95th percentile per-packet one-way delay: 87.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 170.83 Mbit/s
95th percentile per-packet one-way delay: 87.746 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 154.51 Mbit/s
95th percentile per-packet one-way delay: 87.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.23 Mbit/s
95th percentile per-packet one-way delay: 88.946 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

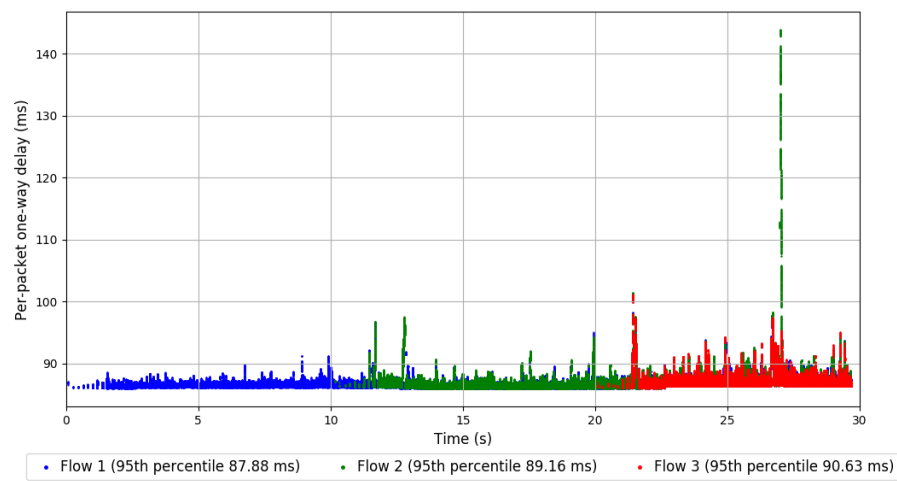
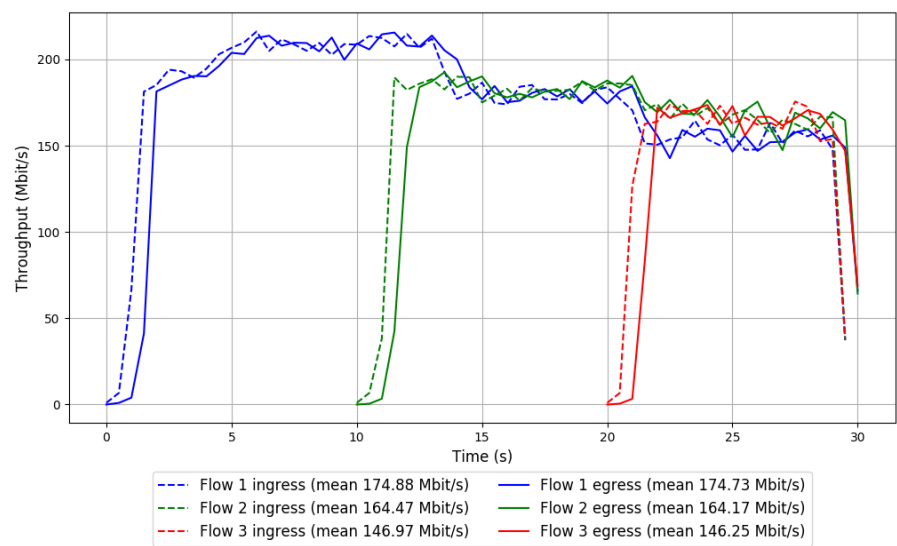


Run 9: Statistics of Indigo

Start at: 2018-06-29 20:04:51
End at: 2018-06-29 20:05:21
Local clock offset: 0.065 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 330.44 Mbit/s
95th percentile per-packet one-way delay: 88.721 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 174.73 Mbit/s
95th percentile per-packet one-way delay: 87.878 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 164.17 Mbit/s
95th percentile per-packet one-way delay: 89.164 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 146.25 Mbit/s
95th percentile per-packet one-way delay: 90.629 ms
Loss rate: 0.49%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-29 20:29:46

End at: 2018-06-29 20:30:16

Local clock offset: 0.08 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.36 Mbit/s

95th percentile per-packet one-way delay: 87.561 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 149.67 Mbit/s

95th percentile per-packet one-way delay: 87.336 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 136.07 Mbit/s

95th percentile per-packet one-way delay: 87.809 ms

Loss rate: 0.01%

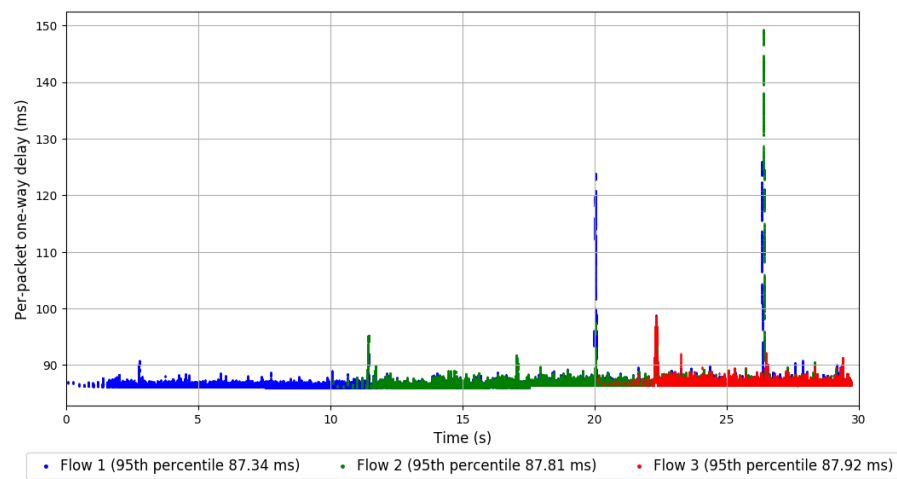
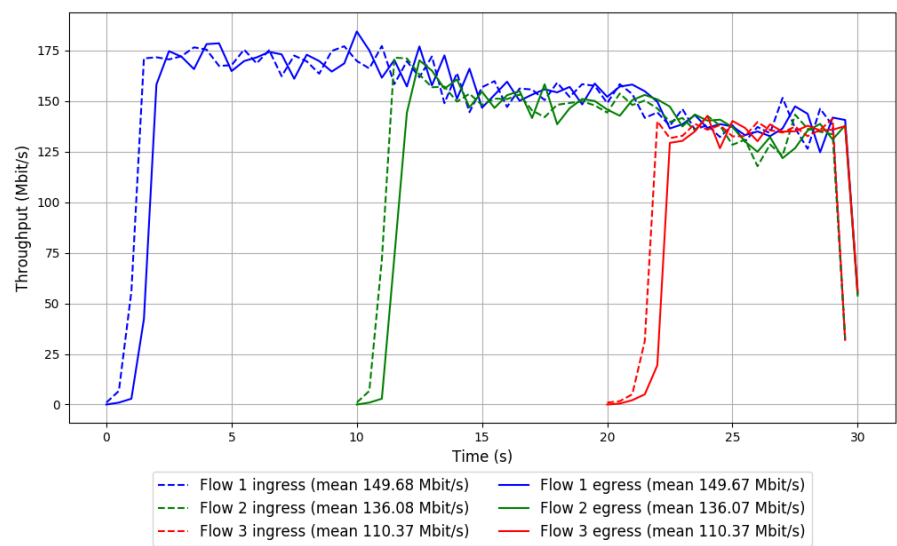
-- Flow 3:

Average throughput: 110.37 Mbit/s

95th percentile per-packet one-way delay: 87.924 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

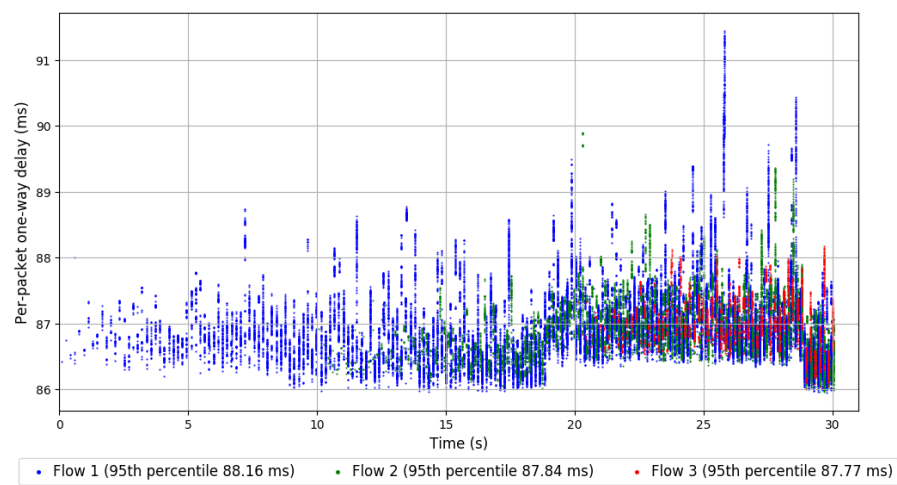
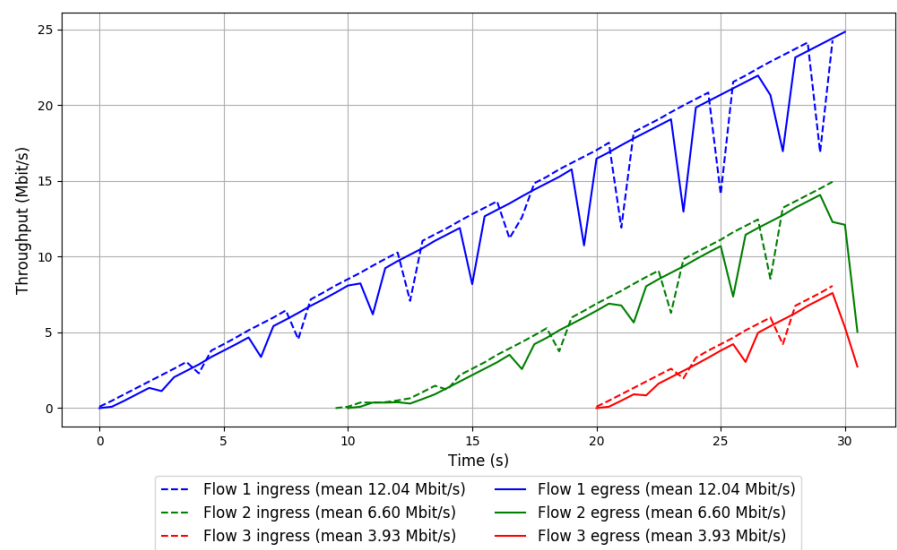


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-29 16:46:05
End at: 2018-06-29 16:46:35
Local clock offset: 0.056 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2018-06-29 21:56:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 87.999 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 88.158 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 87.836 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.765 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

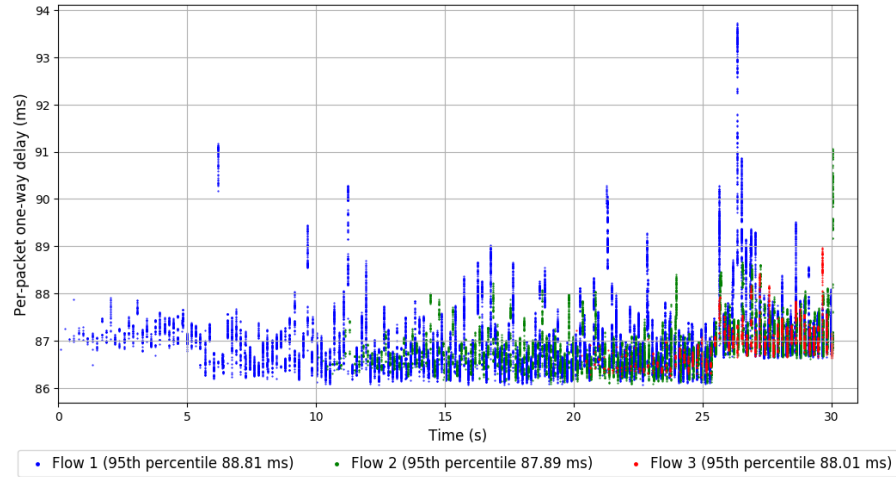
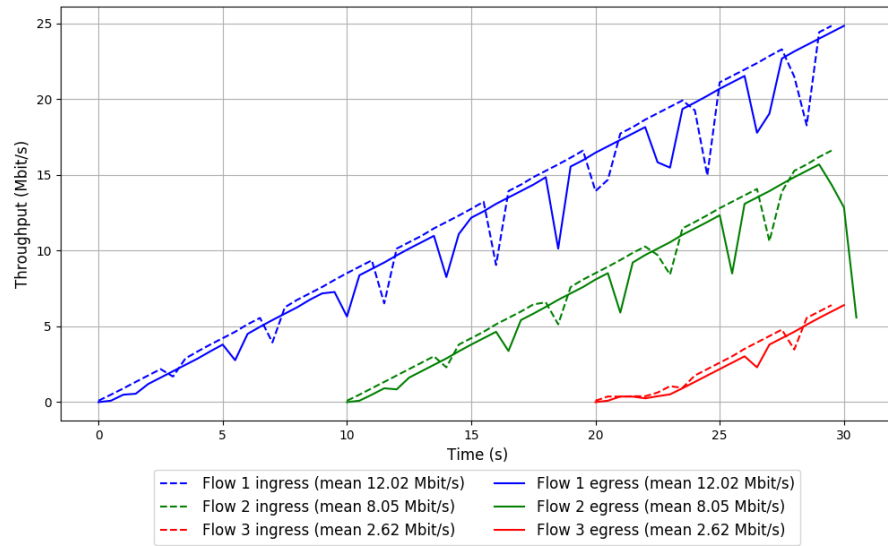


Run 2: Statistics of LEDBAT

Start at: 2018-06-29 17:10:39
End at: 2018-06-29 17:11:09
Local clock offset: -0.05 ms
Remote clock offset: -0.172 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.22 Mbit/s
95th percentile per-packet one-way delay: 88.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 88.813 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 88.007 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

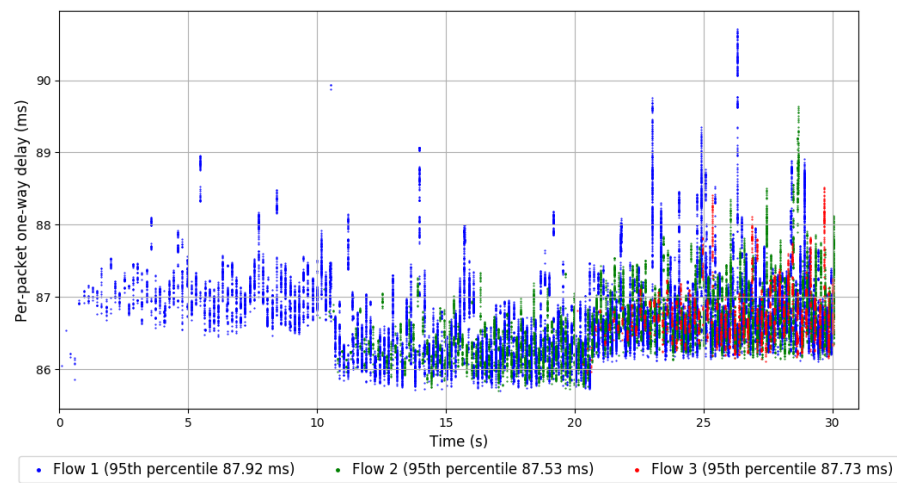
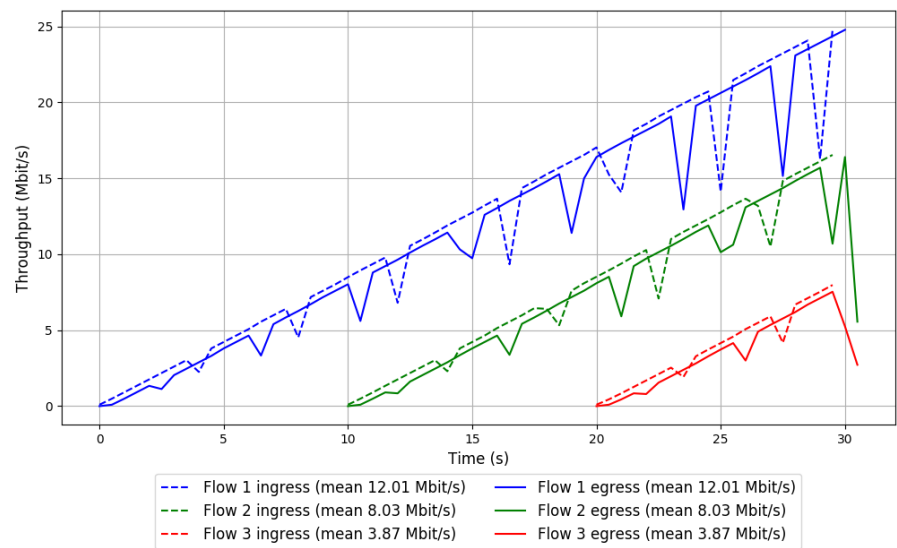


Run 3: Statistics of LEDBAT

Start at: 2018-06-29 17:35:23
End at: 2018-06-29 17:35:53
Local clock offset: 0.299 ms
Remote clock offset: -0.152 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 87.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 87.920 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 87.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.87 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

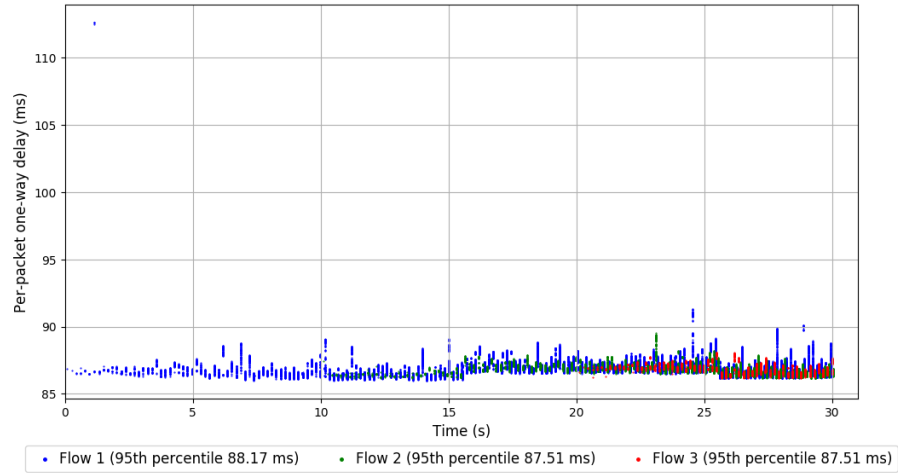
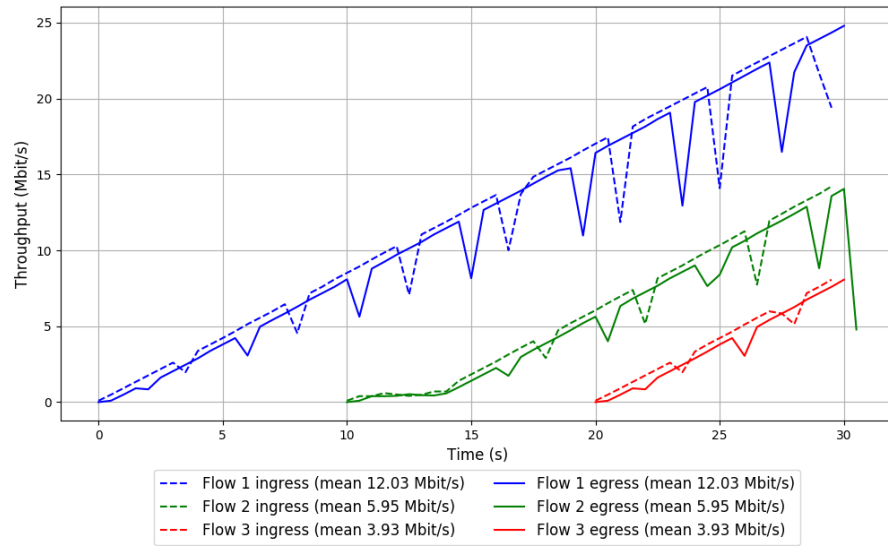


Run 4: Statistics of LEDBAT

Start at: 2018-06-29 18:00:09
End at: 2018-06-29 18:00:39
Local clock offset: 0.019 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 88.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 88.171 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 87.514 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.511 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-06-29 18:24:25

End at: 2018-06-29 18:24:55

Local clock offset: -0.035 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.59 Mbit/s

95th percentile per-packet one-way delay: 88.126 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 88.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 87.908 ms

Loss rate: 0.00%

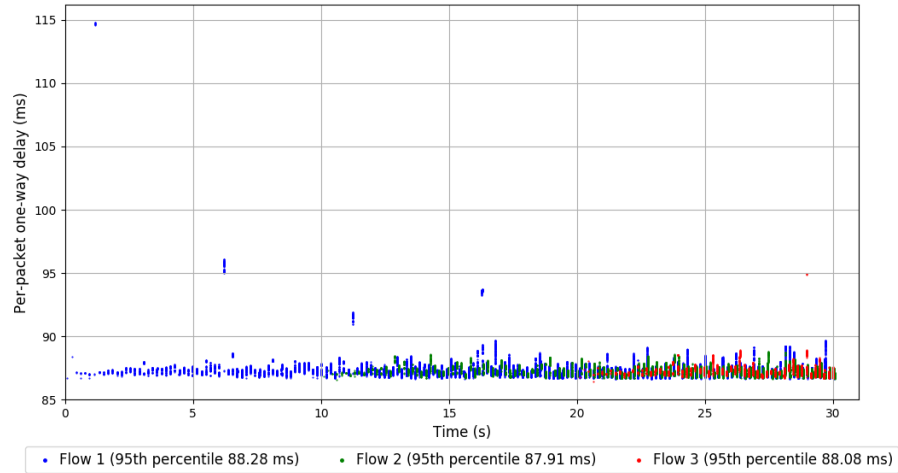
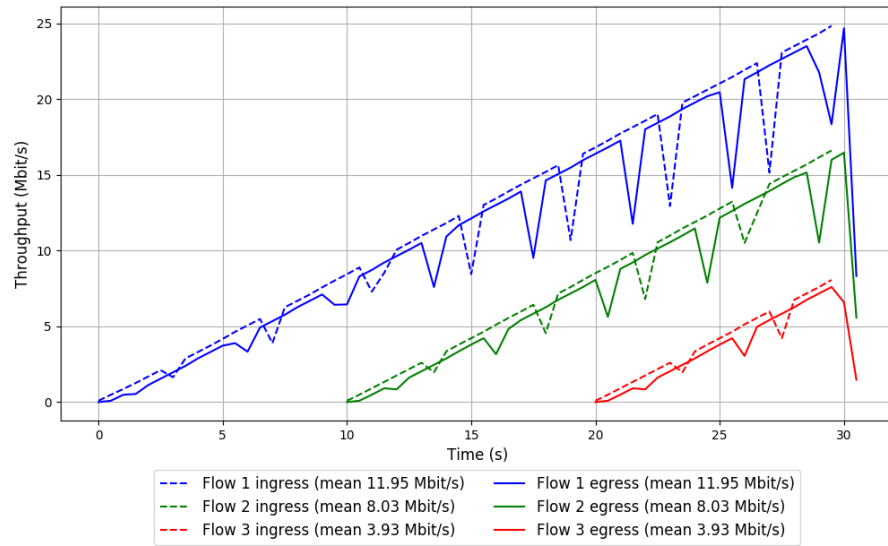
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 88.083 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-29 18:48:39

End at: 2018-06-29 18:49:09

Local clock offset: 0.126 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.28 Mbit/s

95th percentile per-packet one-way delay: 88.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 88.083 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 88.452 ms

Loss rate: 0.00%

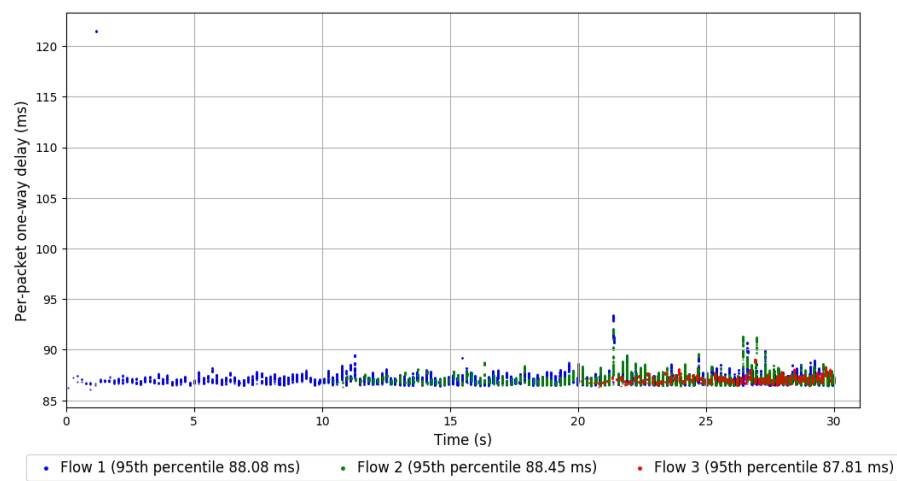
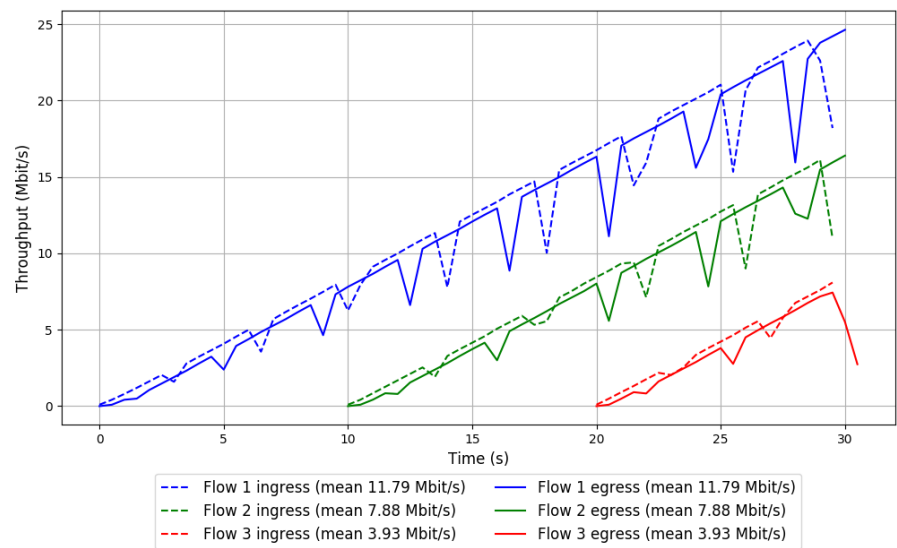
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 87.812 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-29 19:13:18

End at: 2018-06-29 19:13:48

Local clock offset: 0.055 ms

Remote clock offset: 0.25 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 87.661 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 87.820 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 87.542 ms

Loss rate: 0.00%

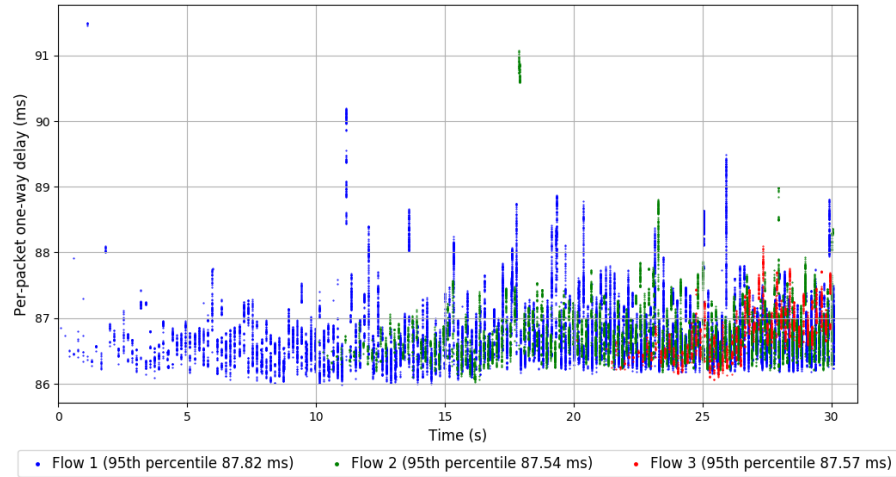
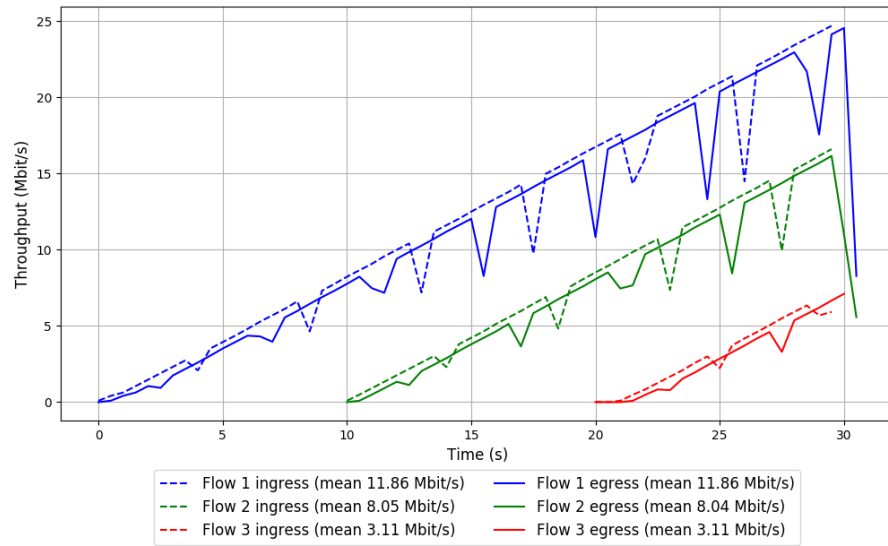
-- Flow 3:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 87.573 ms

Loss rate: 0.04%

Run 7: Report of LEDBAT — Data Link

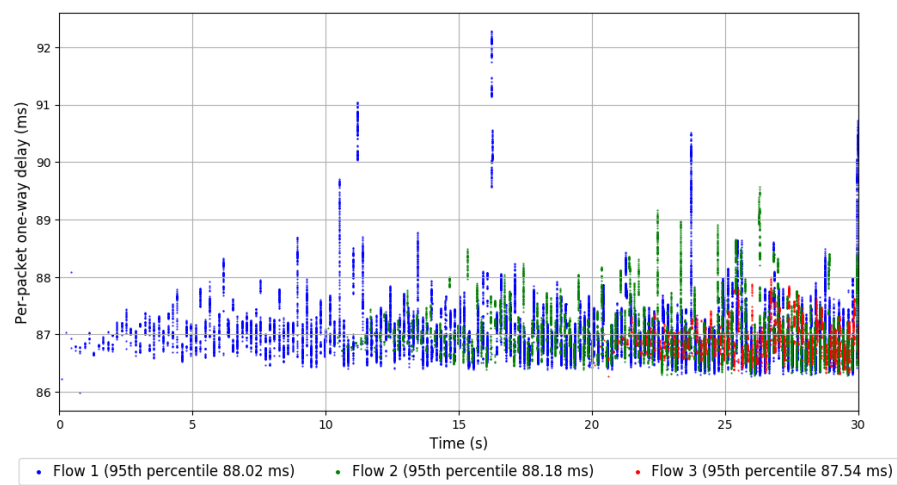
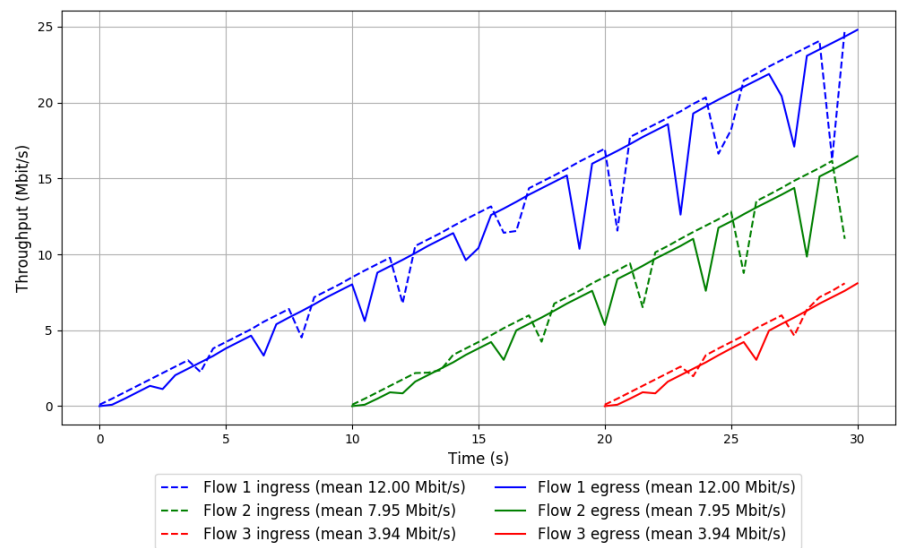


Run 8: Statistics of LEDBAT

Start at: 2018-06-29 19:37:52
End at: 2018-06-29 19:38:22
Local clock offset: 0.11 ms
Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 88.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.016 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 88.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.537 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

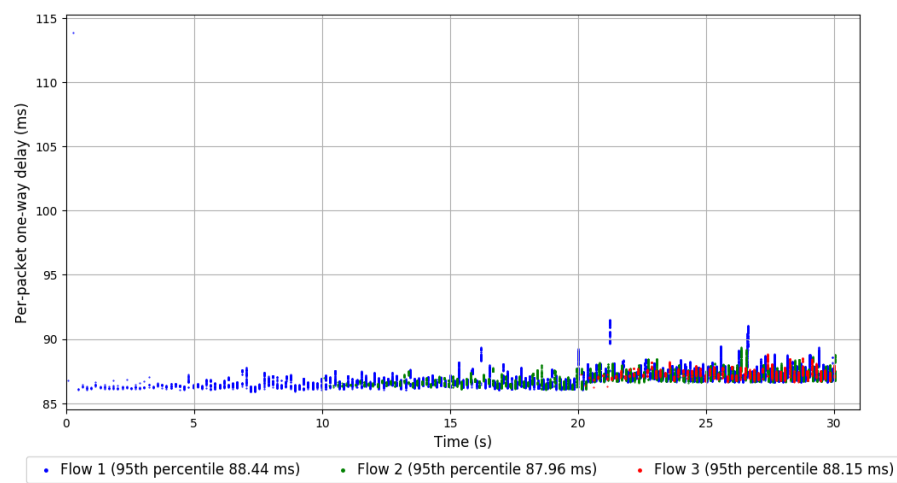
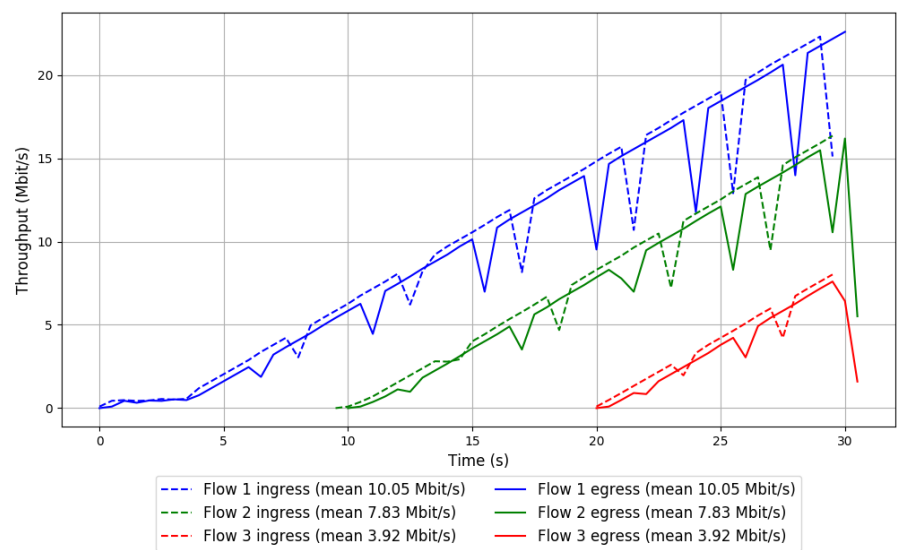


Run 9: Statistics of LEDBAT

Start at: 2018-06-29 20:02:14
End at: 2018-06-29 20:02:44
Local clock offset: -0.012 ms
Remote clock offset: -0.389 ms

Below is generated by plot.py at 2018-06-29 21:56:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.53 Mbit/s
95th percentile per-packet one-way delay: 88.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 88.436 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 87.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 88.146 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-06-29 20:27:04

End at: 2018-06-29 20:27:34

Local clock offset: 0.149 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-06-29 21:56:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.31 Mbit/s

95th percentile per-packet one-way delay: 87.724 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.71 Mbit/s

95th percentile per-packet one-way delay: 87.789 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 87.612 ms

Loss rate: 0.00%

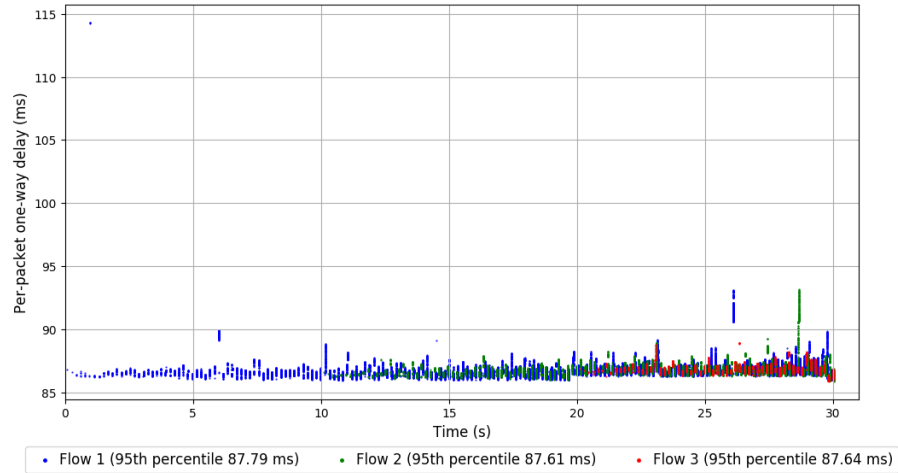
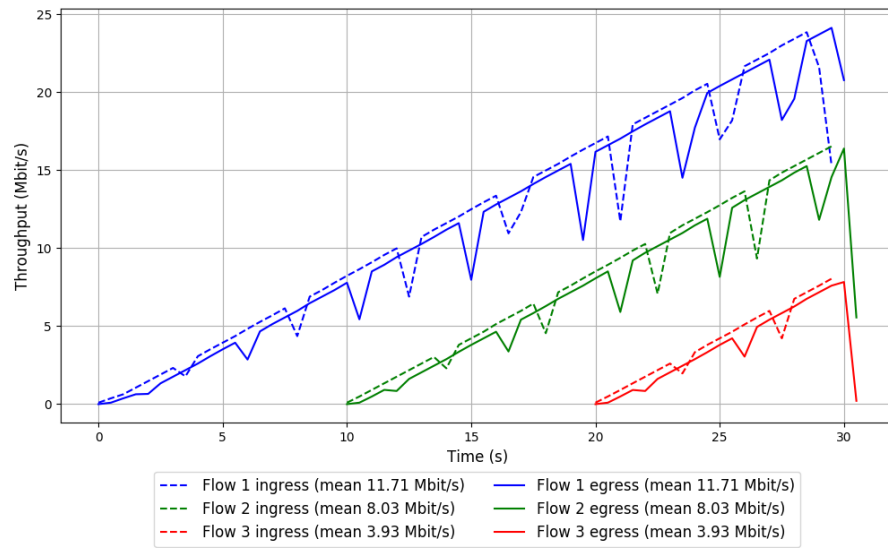
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 87.638 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-29 16:38:42

End at: 2018-06-29 16:39:12

Local clock offset: 0.003 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-06-29 21:57:34

Datalink statistics

-- Total of 3 flows:

Average throughput: 568.86 Mbit/s

95th percentile per-packet one-way delay: 228.701 ms

Loss rate: 4.43%

-- Flow 1:

Average throughput: 490.40 Mbit/s

95th percentile per-packet one-way delay: 231.017 ms

Loss rate: 4.38%

-- Flow 2:

Average throughput: 115.74 Mbit/s

95th percentile per-packet one-way delay: 208.431 ms

Loss rate: 4.81%

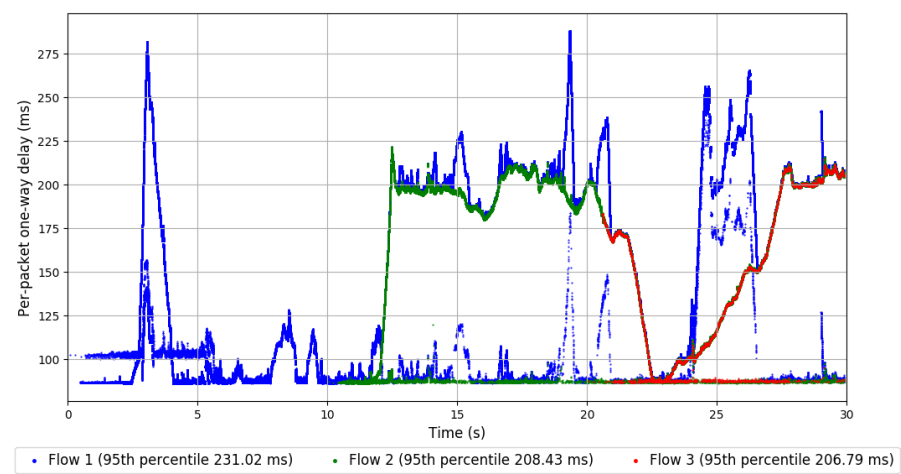
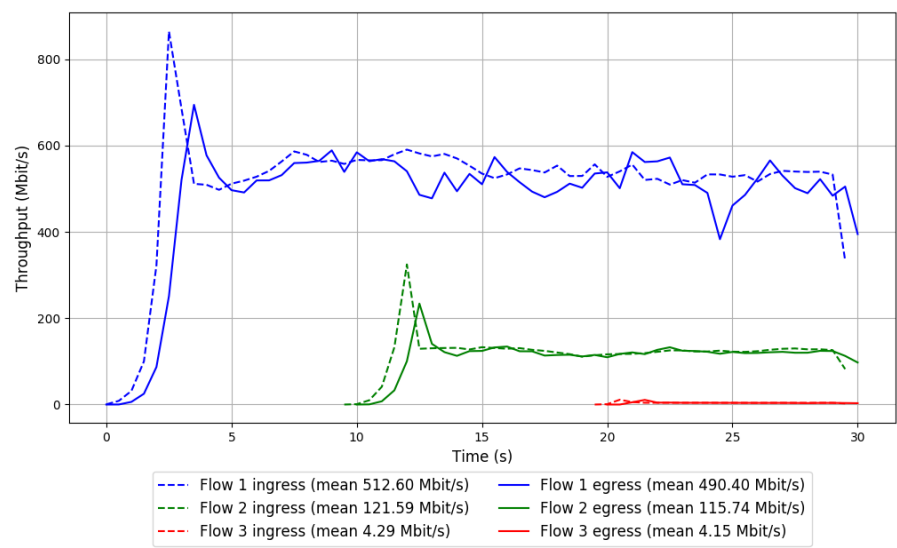
-- Flow 3:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 206.786 ms

Loss rate: 3.27%

Run 1: Report of PCC-Allegro — Data Link

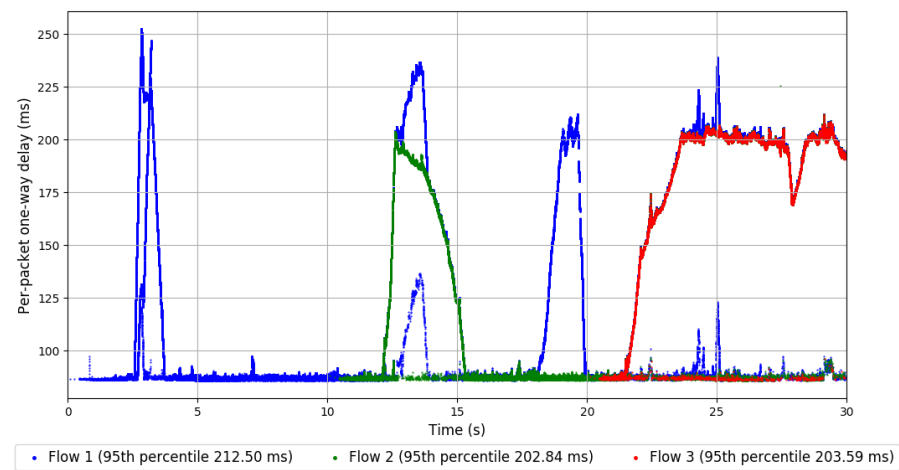
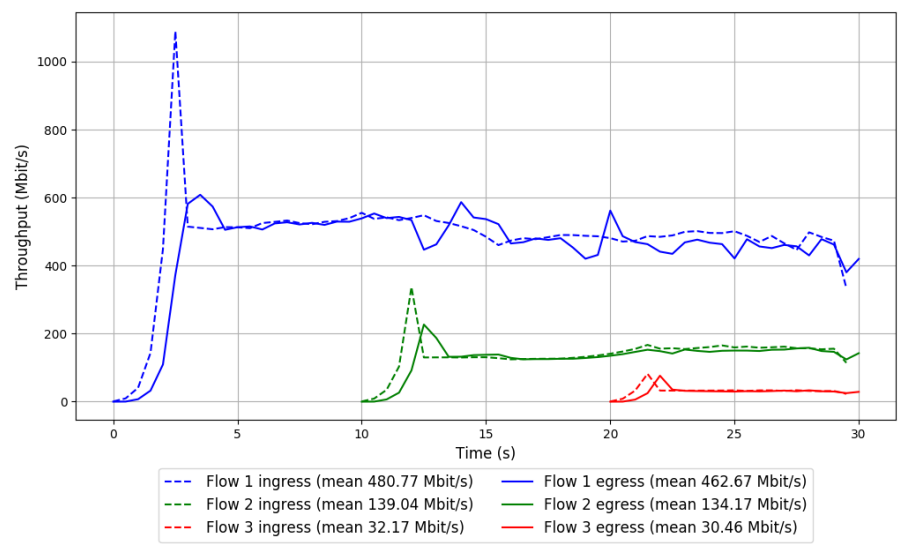


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-29 17:03:19
End at: 2018-06-29 17:03:49
Local clock offset: 0.123 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-06-29 21:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.82 Mbit/s
95th percentile per-packet one-way delay: 207.788 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 462.67 Mbit/s
95th percentile per-packet one-way delay: 212.498 ms
Loss rate: 3.76%
-- Flow 2:
Average throughput: 134.17 Mbit/s
95th percentile per-packet one-way delay: 202.839 ms
Loss rate: 3.50%
-- Flow 3:
Average throughput: 30.46 Mbit/s
95th percentile per-packet one-way delay: 203.593 ms
Loss rate: 5.26%

Run 2: Report of PCC-Allegro — Data Link

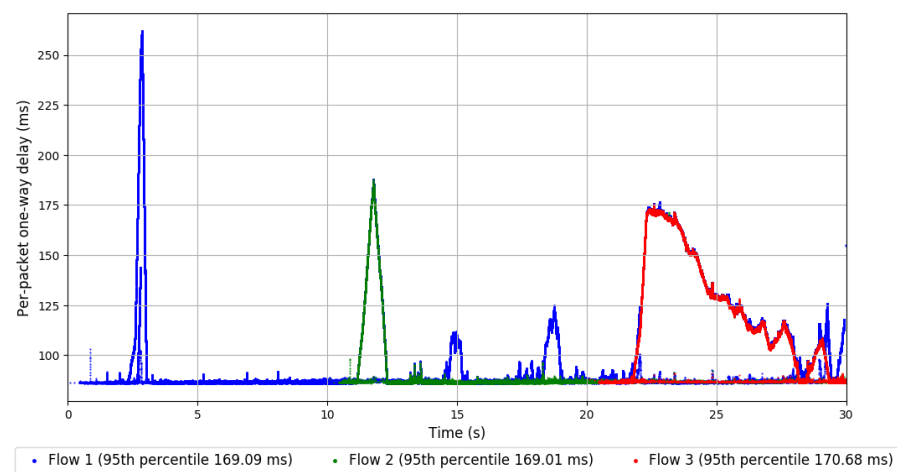
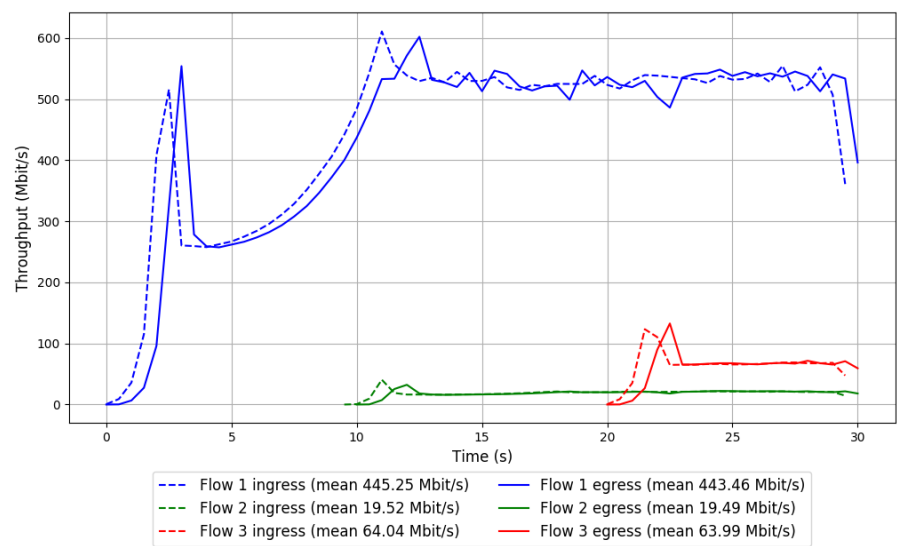


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-29 17:28:05
End at: 2018-06-29 17:28:35
Local clock offset: 0.082 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-06-29 21:57:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.49 Mbit/s
95th percentile per-packet one-way delay: 169.221 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 443.46 Mbit/s
95th percentile per-packet one-way delay: 169.085 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 19.49 Mbit/s
95th percentile per-packet one-way delay: 169.009 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 63.99 Mbit/s
95th percentile per-packet one-way delay: 170.684 ms
Loss rate: 0.08%

Run 3: Report of PCC-Allegro — Data Link

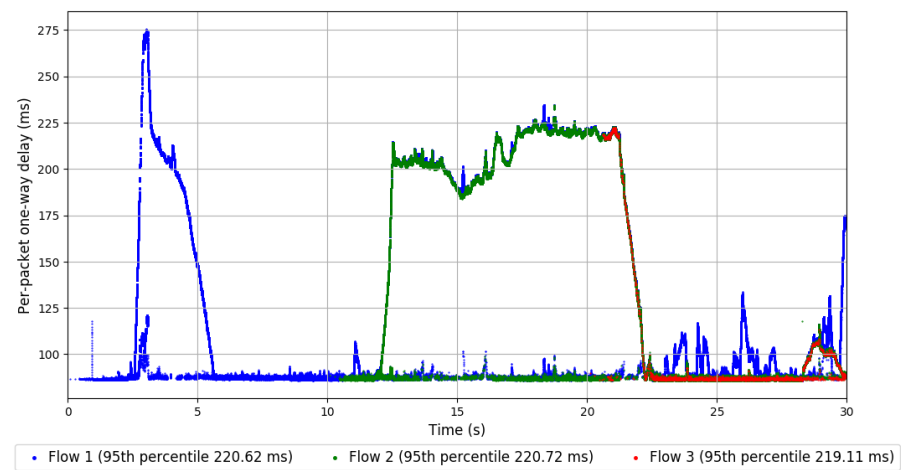
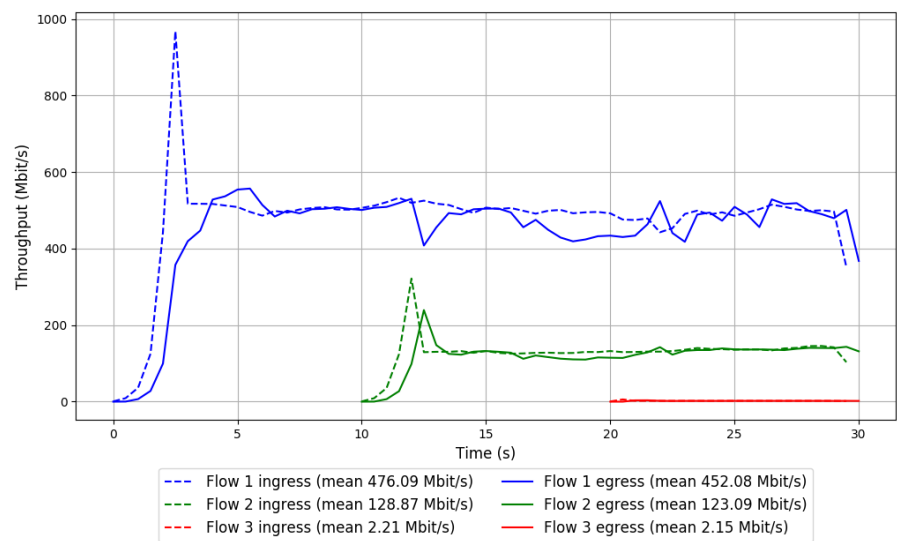


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-29 17:52:45
End at: 2018-06-29 17:53:15
Local clock offset: 0.069 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-29 21:57:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 534.62 Mbit/s
95th percentile per-packet one-way delay: 220.642 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 452.08 Mbit/s
95th percentile per-packet one-way delay: 220.622 ms
Loss rate: 5.04%
-- Flow 2:
Average throughput: 123.09 Mbit/s
95th percentile per-packet one-way delay: 220.724 ms
Loss rate: 4.49%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 219.111 ms
Loss rate: 2.75%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-29 18:17:12

End at: 2018-06-29 18:17:42

Local clock offset: 0.106 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-06-29 21:57:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.92 Mbit/s

95th percentile per-packet one-way delay: 220.015 ms

Loss rate: 3.53%

-- Flow 1:

Average throughput: 418.56 Mbit/s

95th percentile per-packet one-way delay: 220.688 ms

Loss rate: 3.54%

-- Flow 2:

Average throughput: 63.98 Mbit/s

95th percentile per-packet one-way delay: 221.768 ms

Loss rate: 2.29%

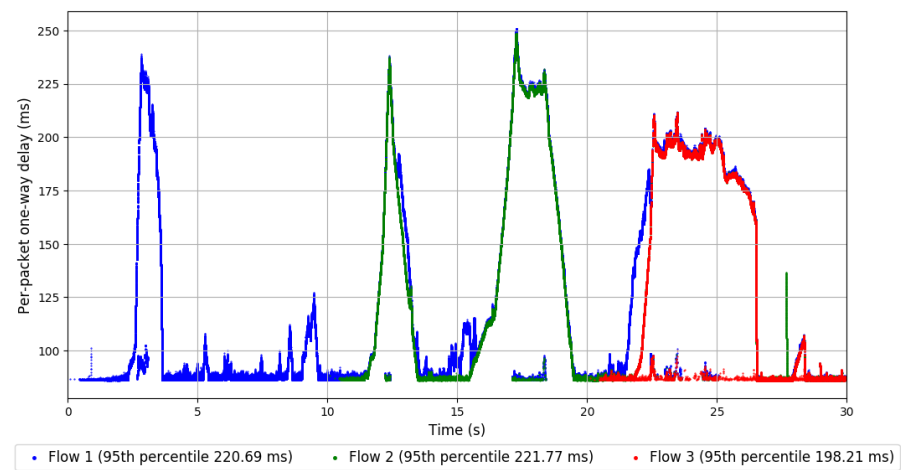
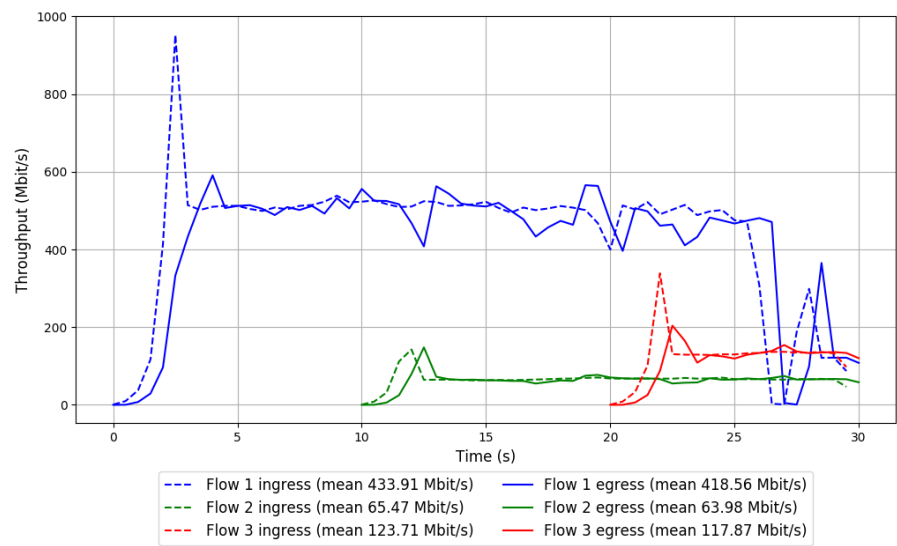
-- Flow 3:

Average throughput: 117.87 Mbit/s

95th percentile per-packet one-way delay: 198.210 ms

Loss rate: 4.73%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-29 18:41:20

End at: 2018-06-29 18:41:50

Local clock offset: 0.07 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at 2018-06-29 22:00:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 547.04 Mbit/s

95th percentile per-packet one-way delay: 234.147 ms

Loss rate: 4.56%

-- Flow 1:

Average throughput: 443.65 Mbit/s

95th percentile per-packet one-way delay: 239.765 ms

Loss rate: 4.51%

-- Flow 2:

Average throughput: 126.73 Mbit/s

95th percentile per-packet one-way delay: 203.115 ms

Loss rate: 4.38%

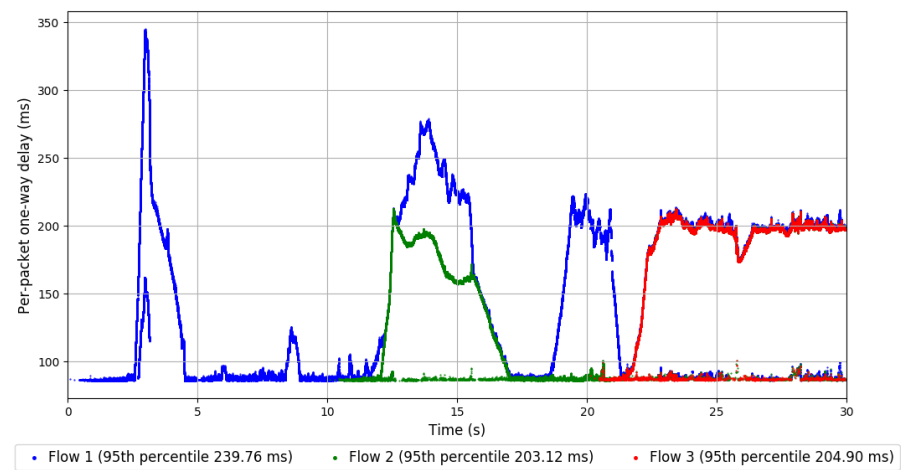
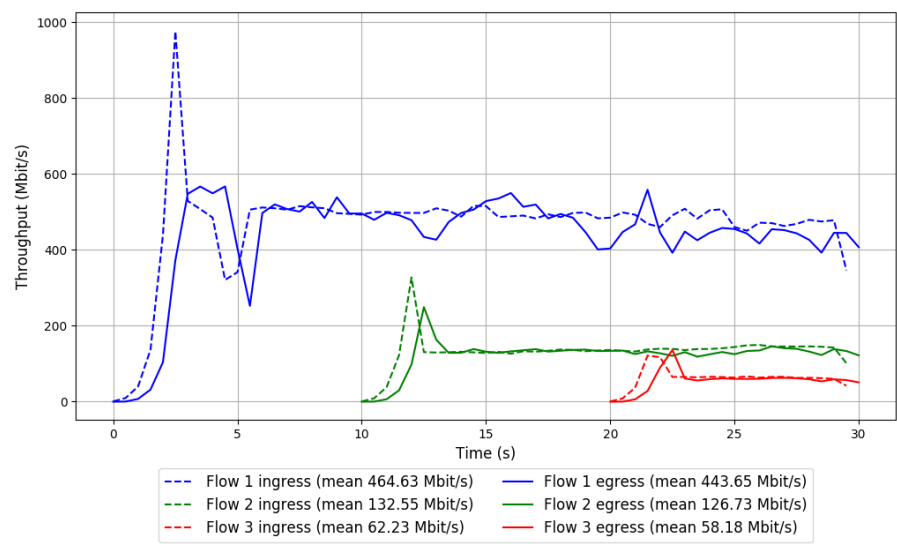
-- Flow 3:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 204.896 ms

Loss rate: 6.53%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-29 19:05:54

End at: 2018-06-29 19:06:24

Local clock offset: -0.151 ms

Remote clock offset: 0.34 ms

Below is generated by plot.py at 2018-06-29 22:05:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 547.33 Mbit/s

95th percentile per-packet one-way delay: 201.367 ms

Loss rate: 2.27%

-- Flow 1:

Average throughput: 498.99 Mbit/s

95th percentile per-packet one-way delay: 201.551 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 71.55 Mbit/s

95th percentile per-packet one-way delay: 200.023 ms

Loss rate: 1.12%

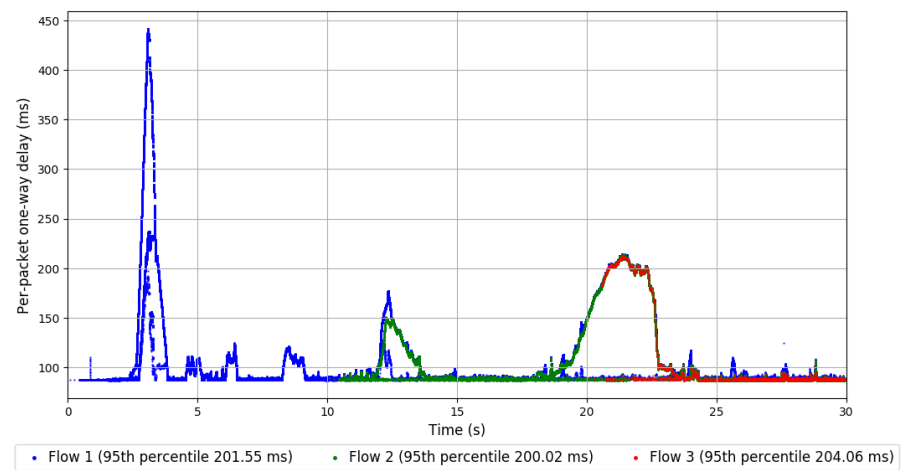
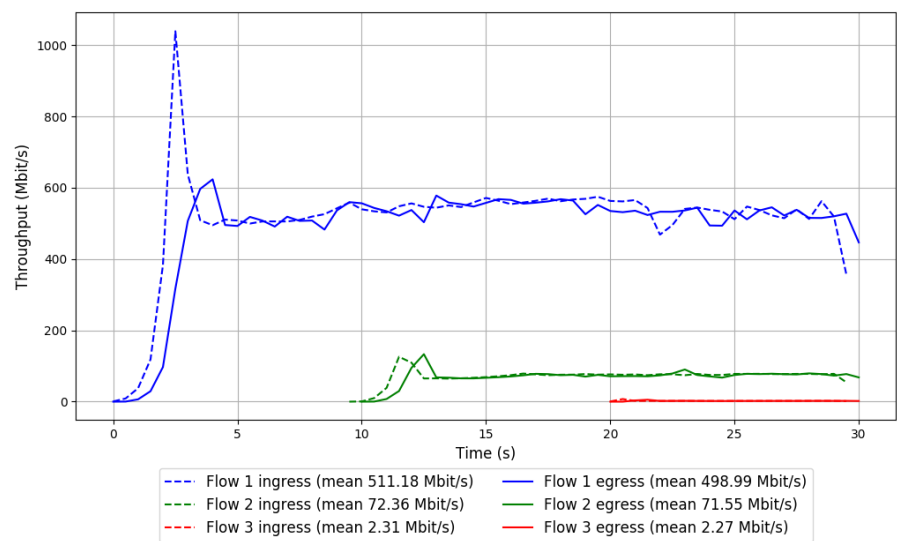
-- Flow 3:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 204.065 ms

Loss rate: 1.78%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-06-29 19:30:36

End at: 2018-06-29 19:31:06

Local clock offset: -0.018 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-06-29 22:05:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 428.73 Mbit/s

95th percentile per-packet one-way delay: 184.238 ms

Loss rate: 2.45%

-- Flow 1:

Average throughput: 380.15 Mbit/s

95th percentile per-packet one-way delay: 185.879 ms

Loss rate: 2.69%

-- Flow 2:

Average throughput: 42.54 Mbit/s

95th percentile per-packet one-way delay: 88.914 ms

Loss rate: 0.54%

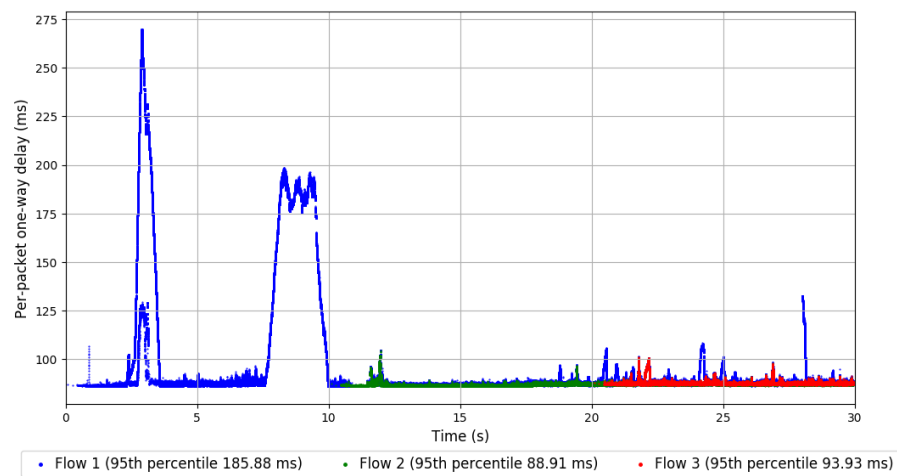
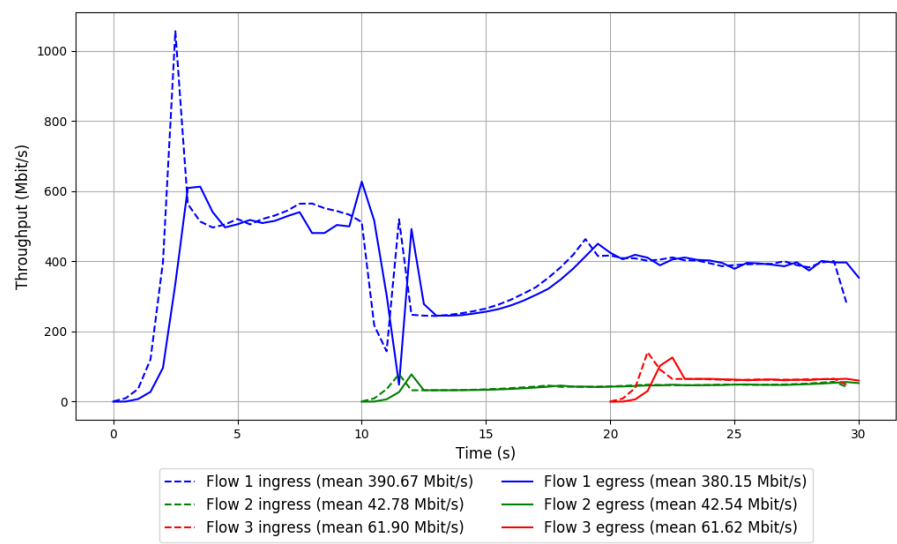
-- Flow 3:

Average throughput: 61.62 Mbit/s

95th percentile per-packet one-way delay: 93.928 ms

Loss rate: 0.47%

Run 8: Report of PCC-Allegro — Data Link

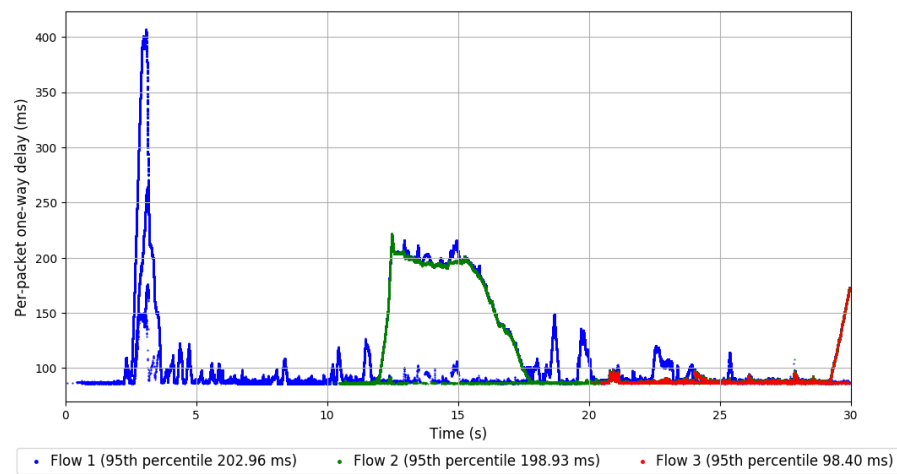
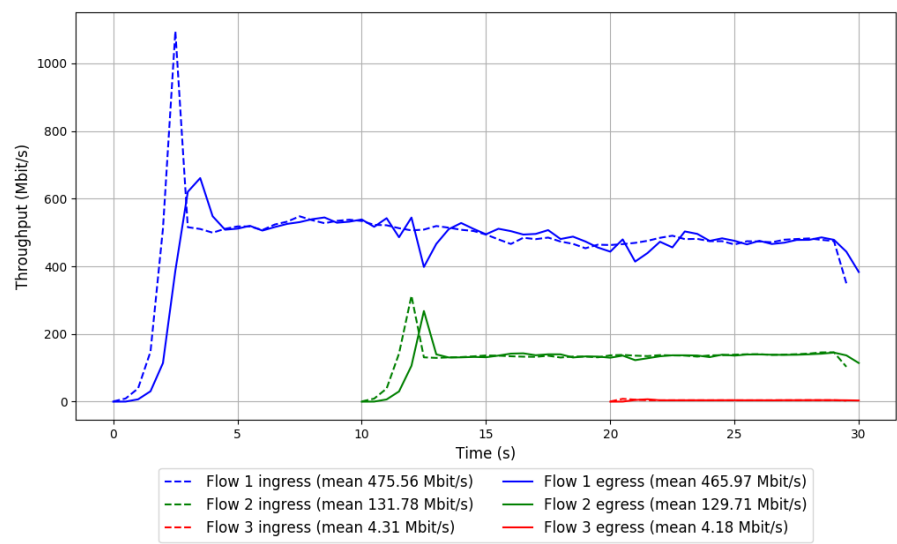


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-29 19:54:57
End at: 2018-06-29 19:55:27
Local clock offset: -0.001 ms
Remote clock offset: -0.341 ms

Below is generated by plot.py at 2018-06-29 22:07:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 553.59 Mbit/s
95th percentile per-packet one-way delay: 202.533 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 465.97 Mbit/s
95th percentile per-packet one-way delay: 202.955 ms
Loss rate: 2.01%
-- Flow 2:
Average throughput: 129.71 Mbit/s
95th percentile per-packet one-way delay: 198.930 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 98.397 ms
Loss rate: 3.16%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-29 20:19:40

End at: 2018-06-29 20:20:10

Local clock offset: 0.082 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-29 22:07:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 545.03 Mbit/s

95th percentile per-packet one-way delay: 233.812 ms

Loss rate: 4.56%

-- Flow 1:

Average throughput: 451.62 Mbit/s

95th percentile per-packet one-way delay: 238.299 ms

Loss rate: 4.45%

-- Flow 2:

Average throughput: 109.71 Mbit/s

95th percentile per-packet one-way delay: 210.782 ms

Loss rate: 5.51%

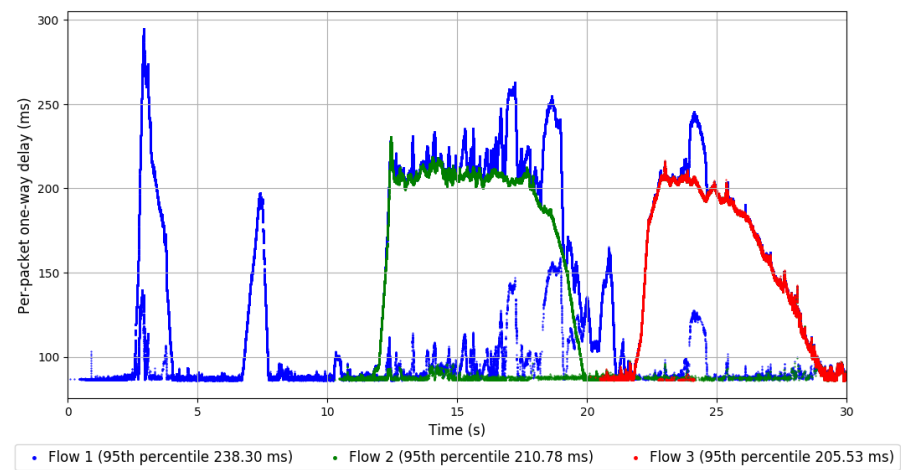
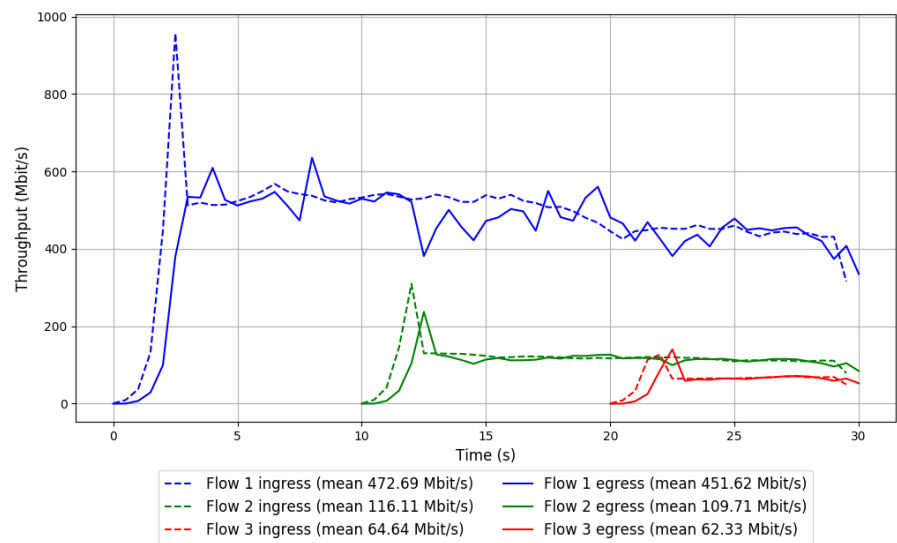
-- Flow 3:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 205.534 ms

Loss rate: 3.58%

Run 10: Report of PCC-Allegro — Data Link

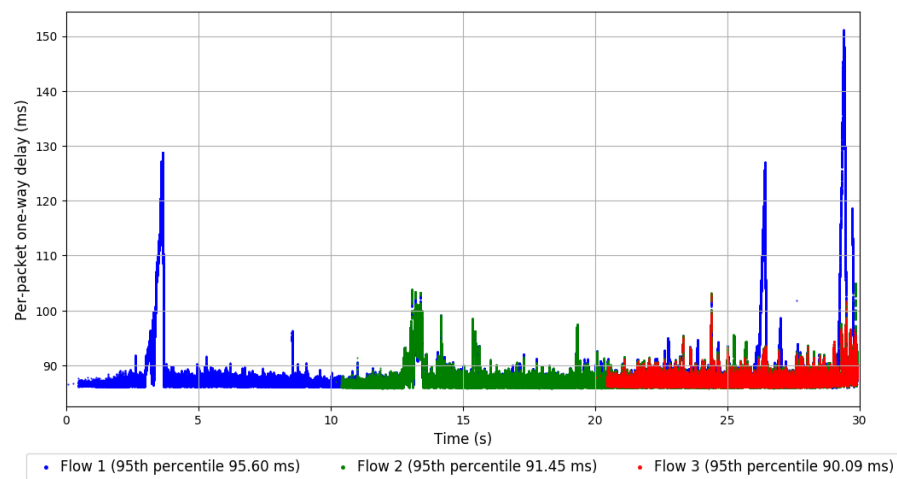
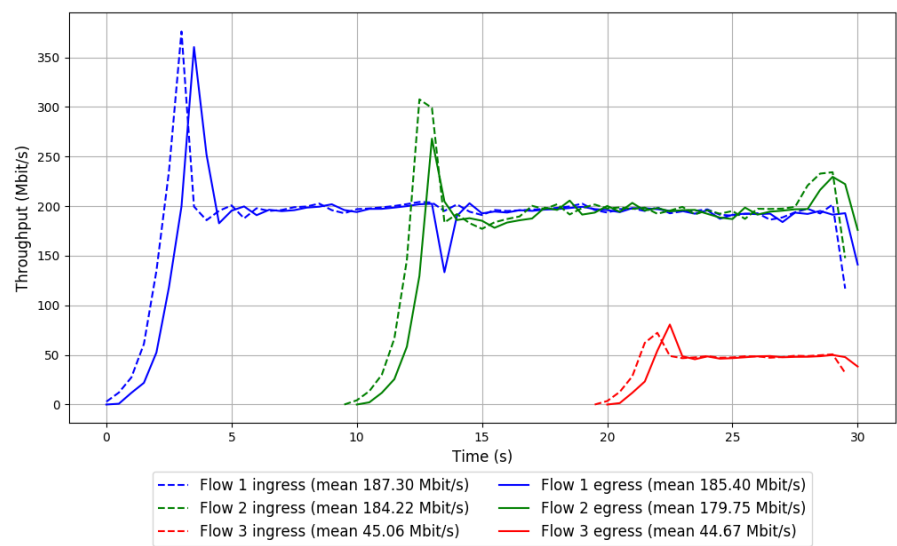


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-29 17:01:35
End at: 2018-06-29 17:02:05
Local clock offset: 0.092 ms
Remote clock offset: -0.208 ms

# Below is generated by plot.py at 2018-06-29 22:07:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 319.99 Mbit/s
95th percentile per-packet one-way delay: 92.985 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 185.40 Mbit/s
95th percentile per-packet one-way delay: 95.604 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 179.75 Mbit/s
95th percentile per-packet one-way delay: 91.449 ms
Loss rate: 2.43%
-- Flow 3:
Average throughput: 44.67 Mbit/s
95th percentile per-packet one-way delay: 90.090 ms
Loss rate: 0.87%
```

Run 1: Report of PCC-Expr — Data Link

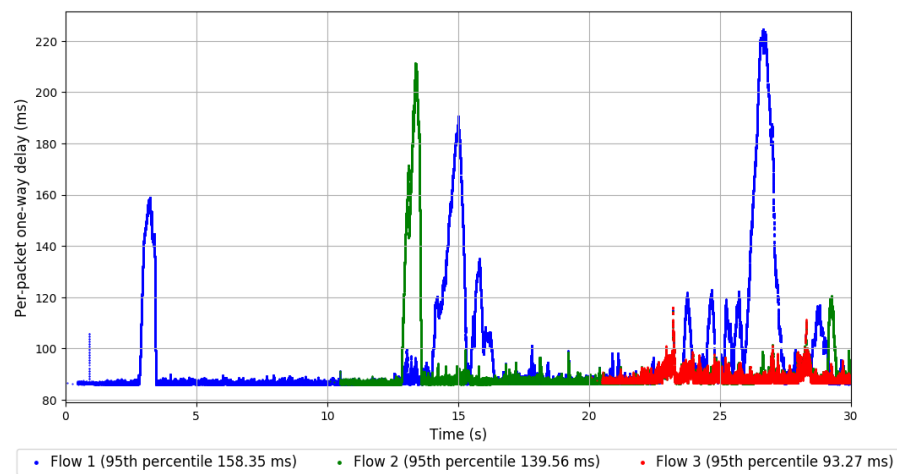
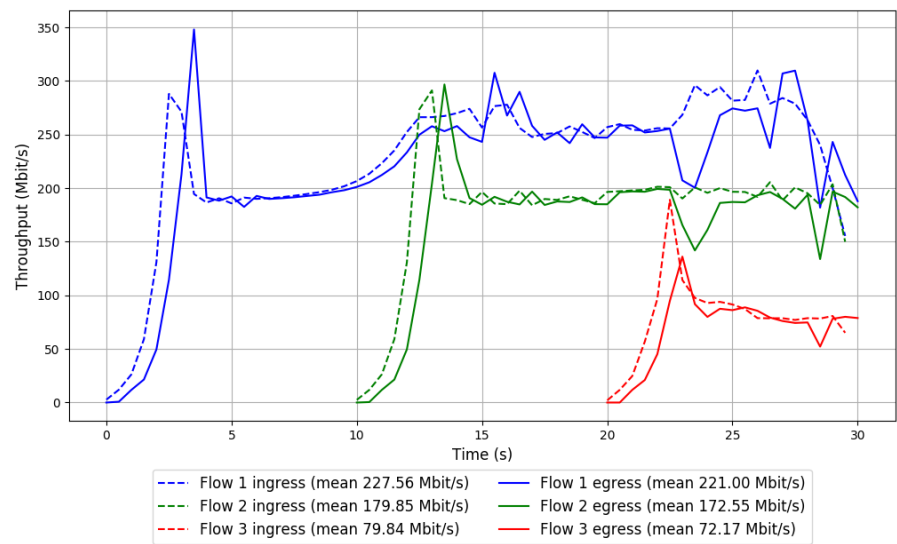


Run 2: Statistics of PCC-Expr

Start at: 2018-06-29 17:26:18
End at: 2018-06-29 17:26:48
Local clock offset: 0.134 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-29 22:09:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.53 Mbit/s
95th percentile per-packet one-way delay: 154.114 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 221.00 Mbit/s
95th percentile per-packet one-way delay: 158.353 ms
Loss rate: 2.88%
-- Flow 2:
Average throughput: 172.55 Mbit/s
95th percentile per-packet one-way delay: 139.562 ms
Loss rate: 4.06%
-- Flow 3:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: 93.273 ms
Loss rate: 9.68%

Run 2: Report of PCC-Expr — Data Link

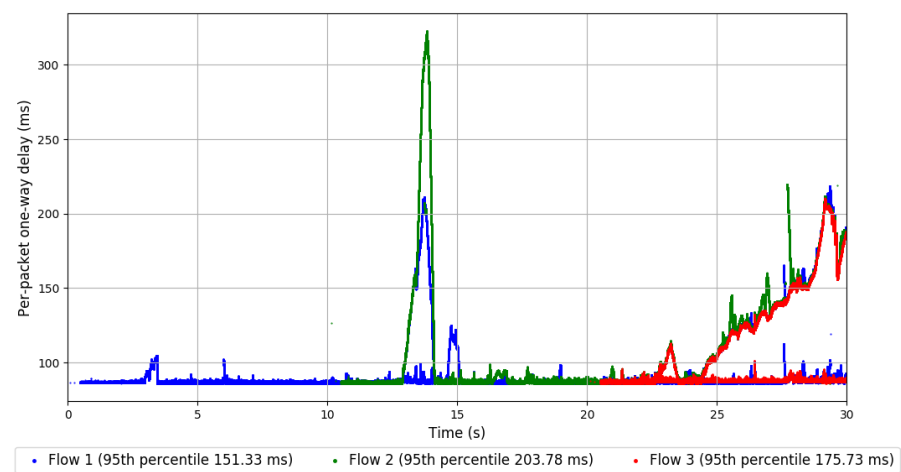
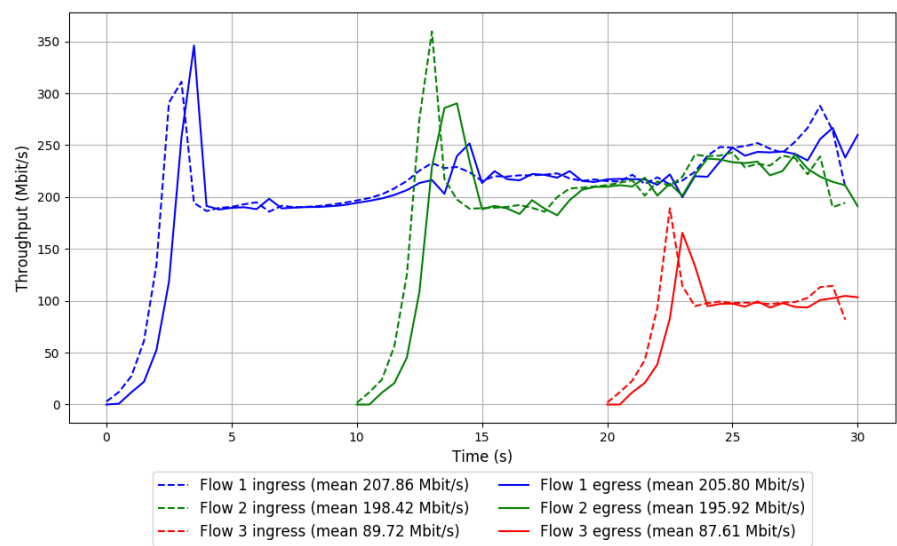


Run 3: Statistics of PCC-Expr

Start at: 2018-06-29 17:51:01
End at: 2018-06-29 17:51:31
Local clock offset: 0.107 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-29 22:09:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.72 Mbit/s
95th percentile per-packet one-way delay: 179.306 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 205.80 Mbit/s
95th percentile per-packet one-way delay: 151.329 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 195.92 Mbit/s
95th percentile per-packet one-way delay: 203.784 ms
Loss rate: 1.46%
-- Flow 3:
Average throughput: 87.61 Mbit/s
95th percentile per-packet one-way delay: 175.734 ms
Loss rate: 2.36%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-06-29 18:15:33

End at: 2018-06-29 18:16:03

Local clock offset: 0.063 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-06-29 22:11:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 285.90 Mbit/s

95th percentile per-packet one-way delay: 134.376 ms

Loss rate: 3.37%

-- Flow 1:

Average throughput: 190.11 Mbit/s

95th percentile per-packet one-way delay: 122.129 ms

Loss rate: 2.14%

-- Flow 2:

Average throughput: 140.89 Mbit/s

95th percentile per-packet one-way delay: 189.227 ms

Loss rate: 5.71%

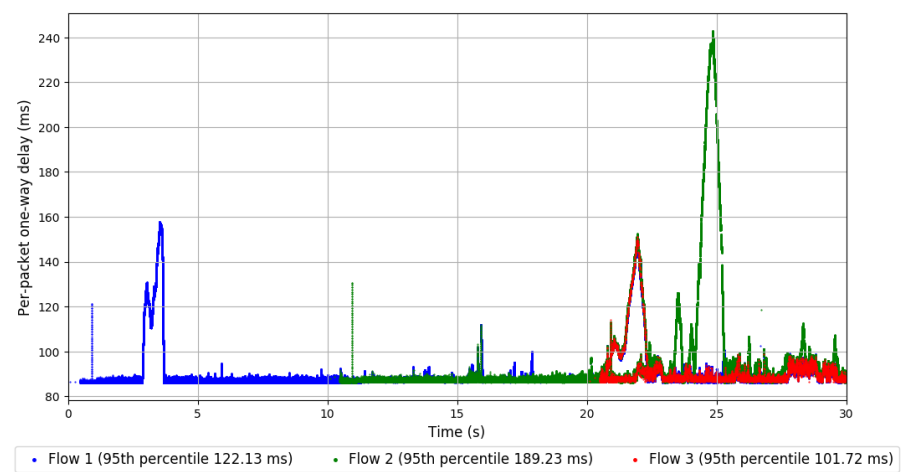
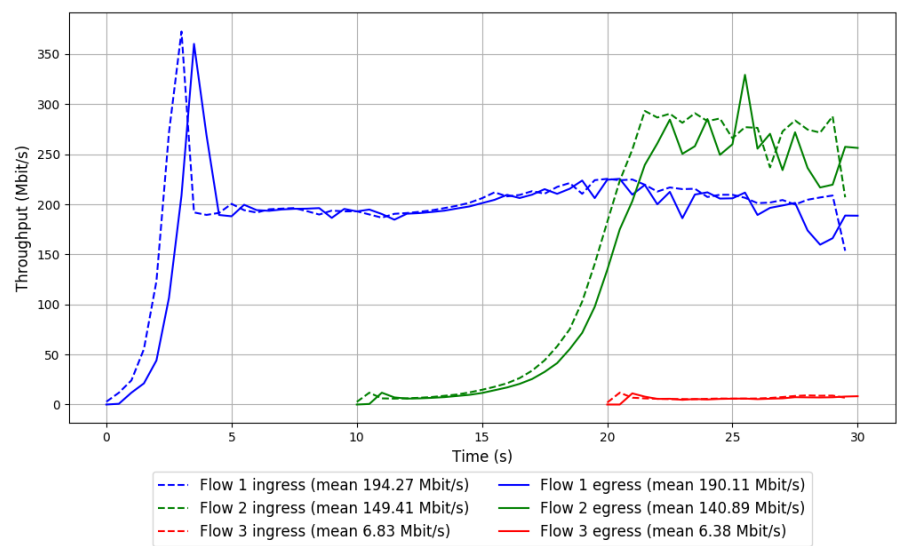
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 101.720 ms

Loss rate: 6.64%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-29 18:39:37

End at: 2018-06-29 18:40:07

Local clock offset: -0.011 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-06-29 22:15:18

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.45 Mbit/s

95th percentile per-packet one-way delay: 226.323 ms

Loss rate: 3.01%

-- Flow 1:

Average throughput: 203.85 Mbit/s

95th percentile per-packet one-way delay: 119.535 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 149.32 Mbit/s

95th percentile per-packet one-way delay: 253.144 ms

Loss rate: 6.32%

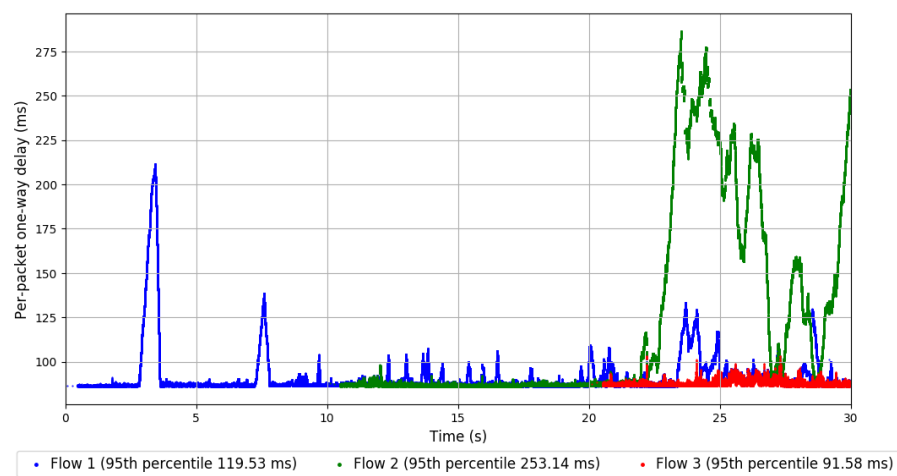
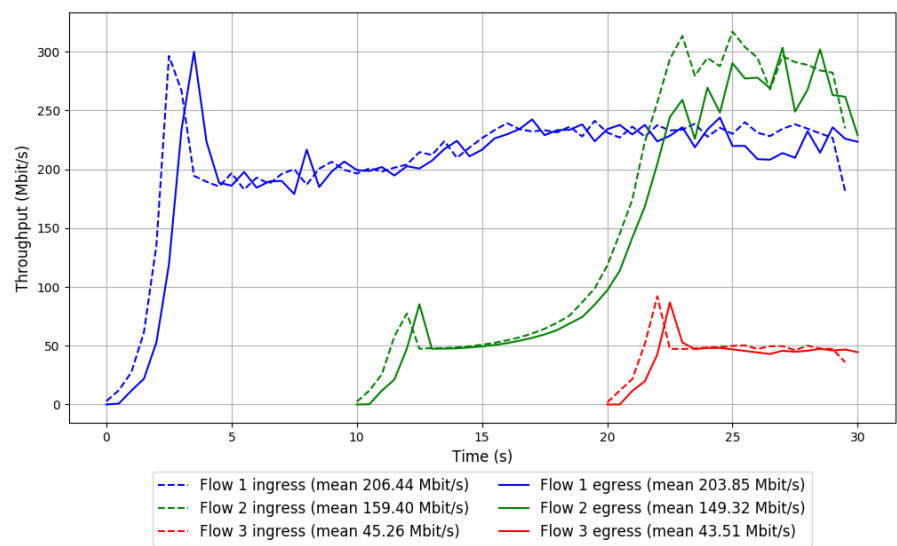
-- Flow 3:

Average throughput: 43.51 Mbit/s

95th percentile per-packet one-way delay: 91.576 ms

Loss rate: 3.88%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-29 19:04:09

End at: 2018-06-29 19:04:39

Local clock offset: 0.248 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-06-29 22:16:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 322.32 Mbit/s

95th percentile per-packet one-way delay: 110.473 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 193.53 Mbit/s

95th percentile per-packet one-way delay: 109.411 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 186.75 Mbit/s

95th percentile per-packet one-way delay: 126.870 ms

Loss rate: 1.31%

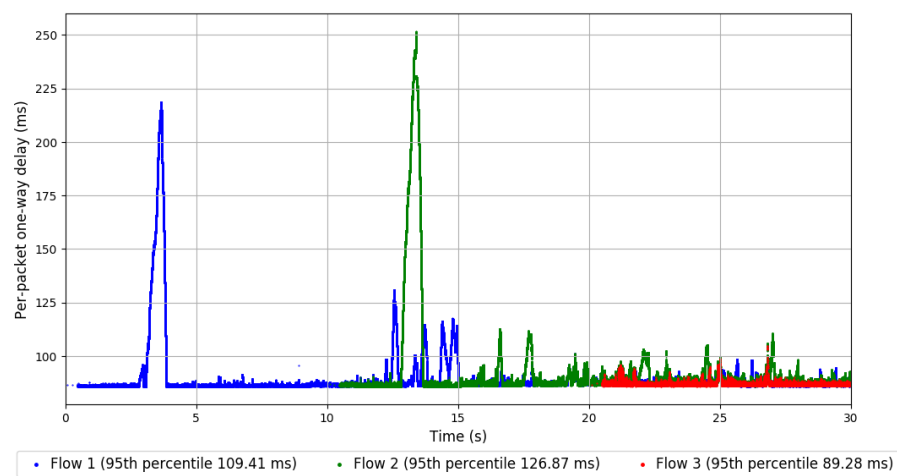
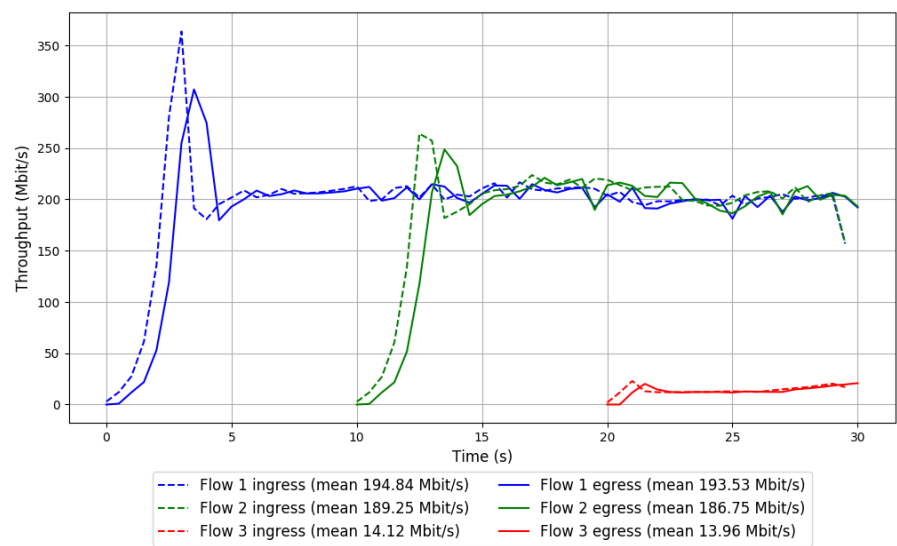
-- Flow 3:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 89.282 ms

Loss rate: 1.14%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-06-29 19:28:51

End at: 2018-06-29 19:29:21

Local clock offset: -0.164 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-06-29 22:19:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 339.77 Mbit/s

95th percentile per-packet one-way delay: 182.460 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 192.26 Mbit/s

95th percentile per-packet one-way delay: 191.320 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 178.78 Mbit/s

95th percentile per-packet one-way delay: 133.667 ms

Loss rate: 1.21%

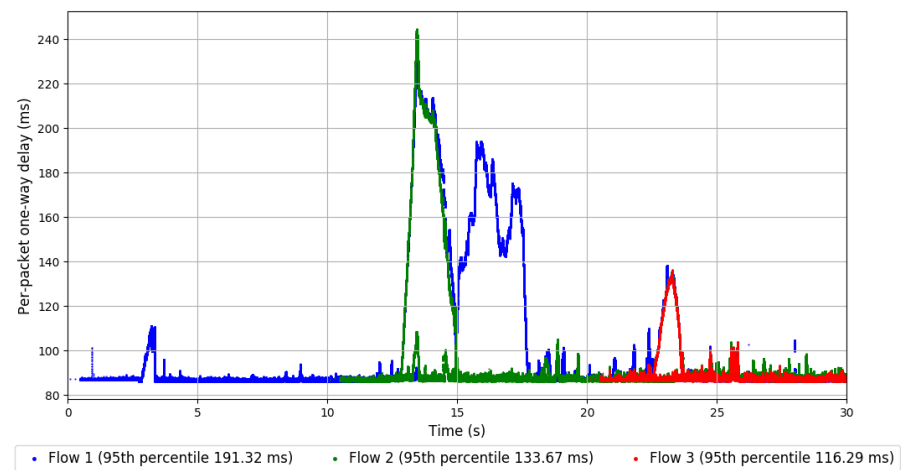
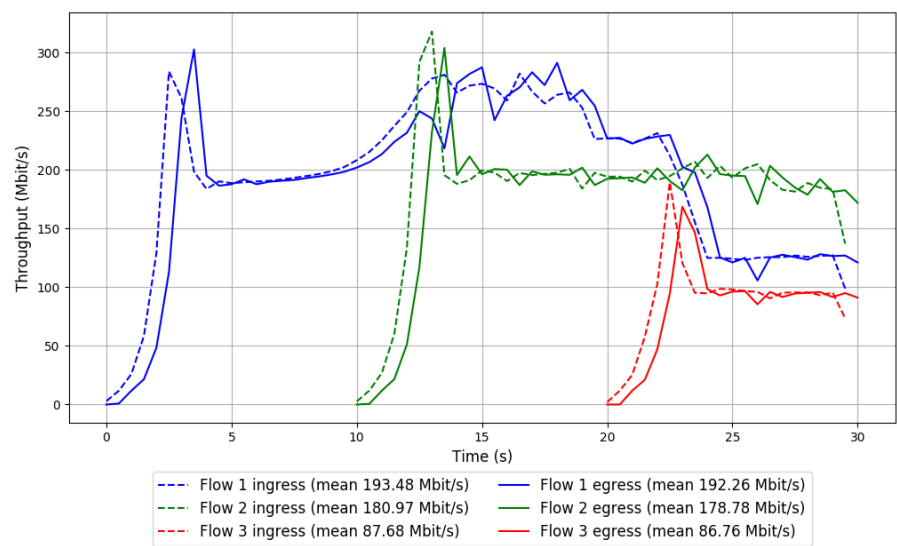
-- Flow 3:

Average throughput: 86.76 Mbit/s

95th percentile per-packet one-way delay: 116.294 ms

Loss rate: 1.05%

Run 7: Report of PCC-Expr — Data Link

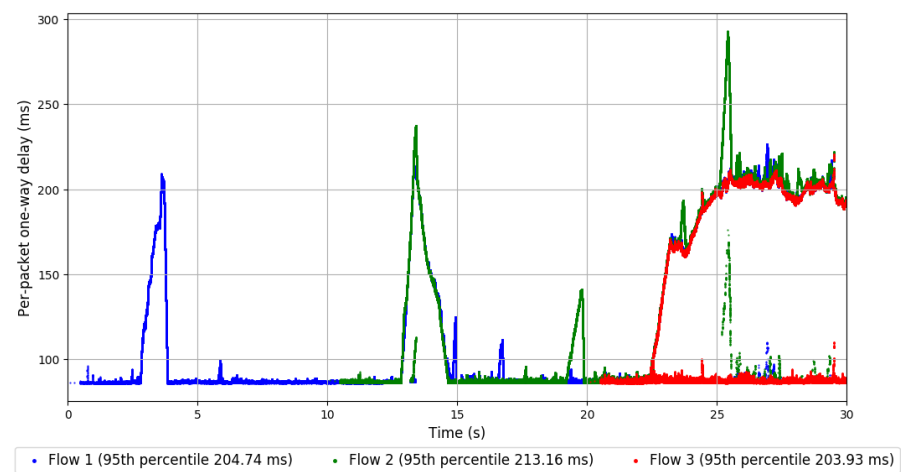
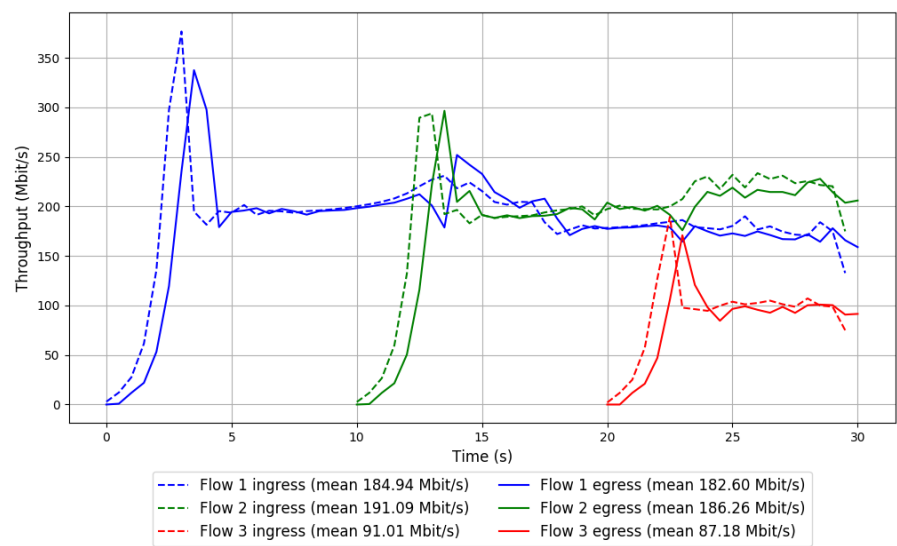


Run 8: Statistics of PCC-Expr

Start at: 2018-06-29 19:53:12
End at: 2018-06-29 19:53:42
Local clock offset: 0.029 ms
Remote clock offset: -0.351 ms

Below is generated by plot.py at 2018-06-29 22:19:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.21 Mbit/s
95th percentile per-packet one-way delay: 207.417 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 182.60 Mbit/s
95th percentile per-packet one-way delay: 204.737 ms
Loss rate: 1.26%
-- Flow 2:
Average throughput: 186.26 Mbit/s
95th percentile per-packet one-way delay: 213.156 ms
Loss rate: 2.53%
-- Flow 3:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 203.930 ms
Loss rate: 4.20%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-29 20:17:49

End at: 2018-06-29 20:18:19

Local clock offset: 0.053 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-06-29 22:22:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 409.45 Mbit/s

95th percentile per-packet one-way delay: 195.750 ms

Loss rate: 2.60%

-- Flow 1:

Average throughput: 273.00 Mbit/s

95th percentile per-packet one-way delay: 200.172 ms

Loss rate: 2.47%

-- Flow 2:

Average throughput: 182.52 Mbit/s

95th percentile per-packet one-way delay: 104.390 ms

Loss rate: 2.91%

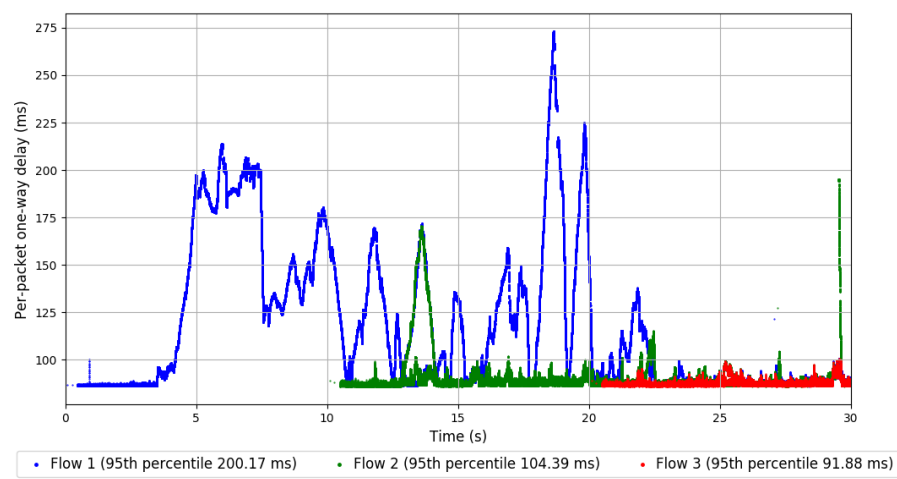
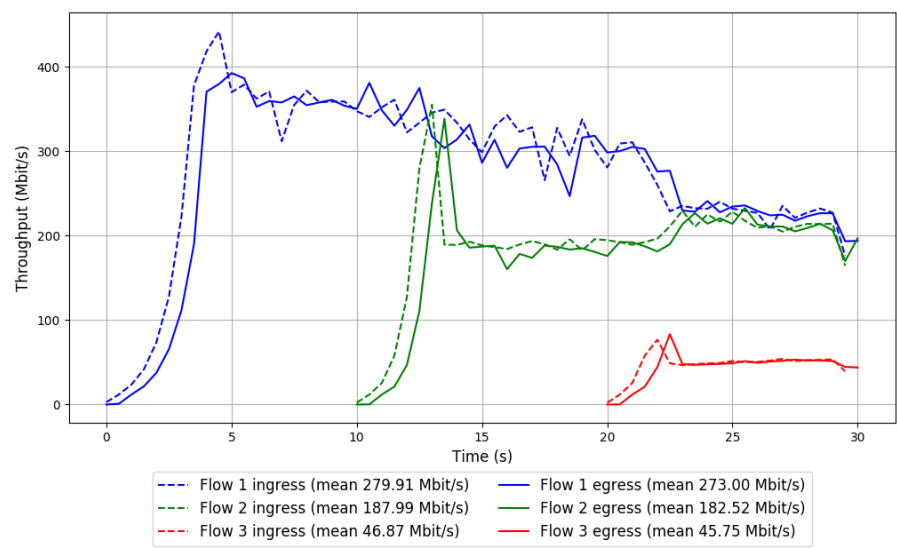
-- Flow 3:

Average throughput: 45.75 Mbit/s

95th percentile per-packet one-way delay: 91.878 ms

Loss rate: 2.41%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-29 20:42:45

End at: 2018-06-29 20:43:15

Local clock offset: 0.058 ms

Remote clock offset: 0.08 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.75 Mbit/s

95th percentile per-packet one-way delay: 97.801 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 203.38 Mbit/s

95th percentile per-packet one-way delay: 99.418 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 188.72 Mbit/s

95th percentile per-packet one-way delay: 97.600 ms

Loss rate: 0.21%

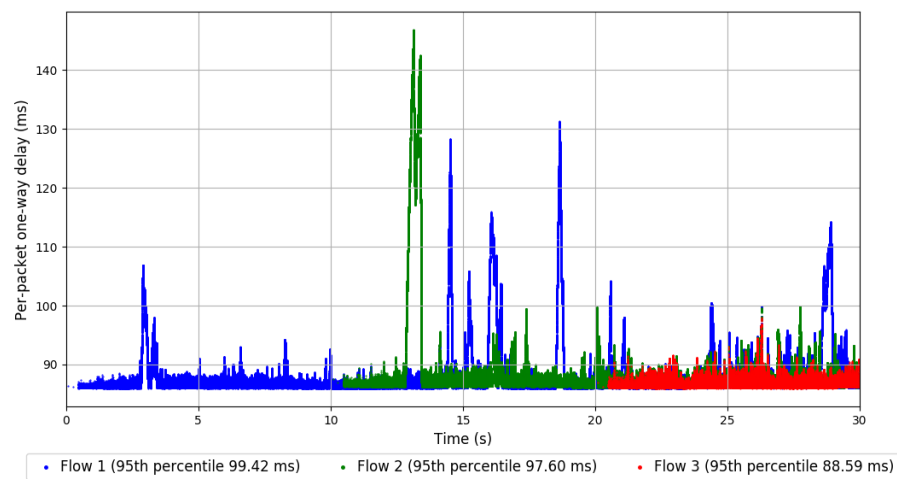
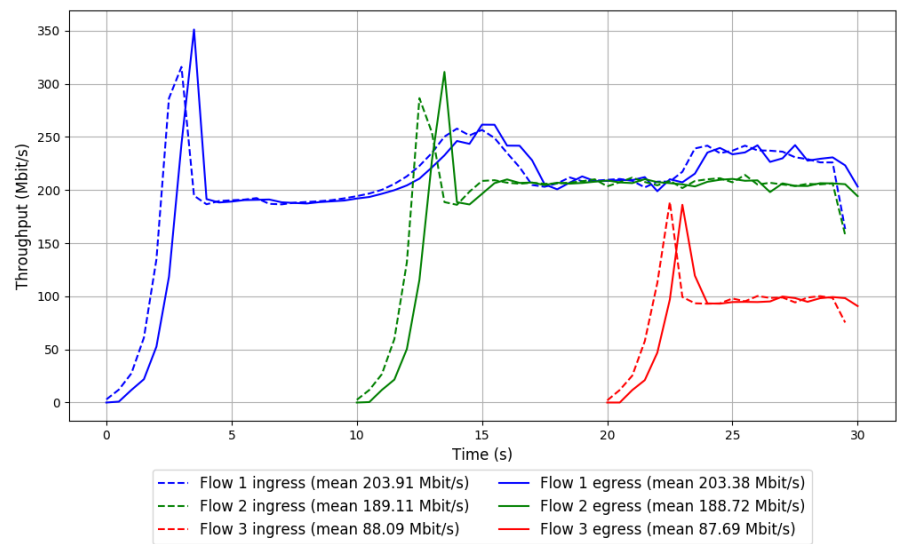
-- Flow 3:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 88.593 ms

Loss rate: 0.48%

Run 10: Report of PCC-Expr — Data Link

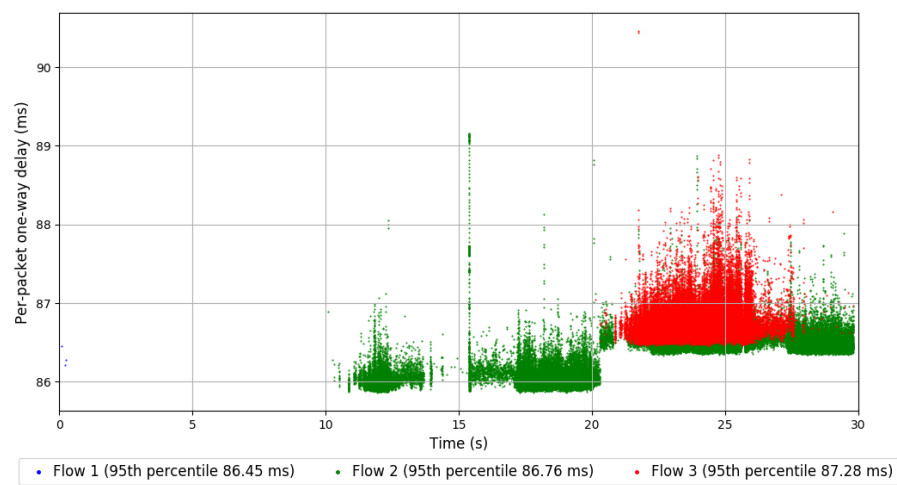
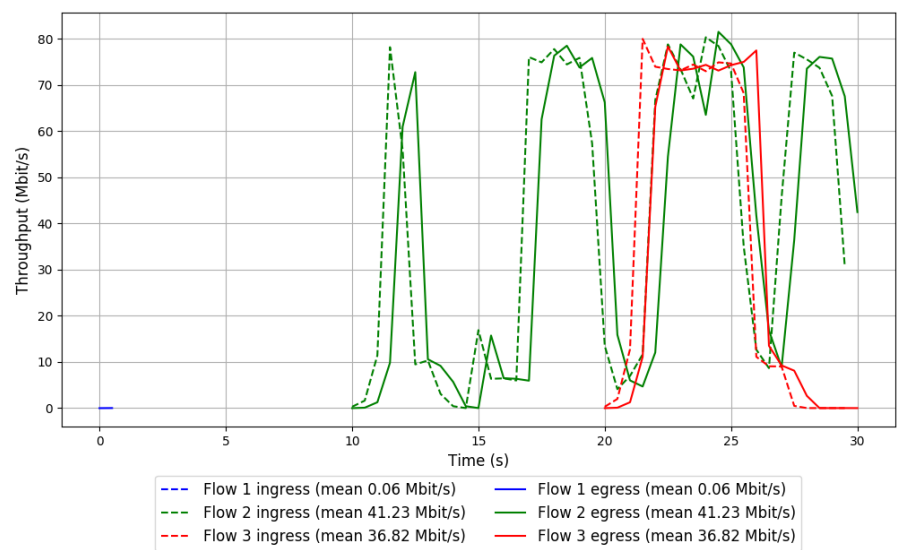


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-29 16:54:24
End at: 2018-06-29 16:54:54
Local clock offset: 0.046 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.28 Mbit/s
95th percentile per-packet one-way delay: 87.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 86.758 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 87.282 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

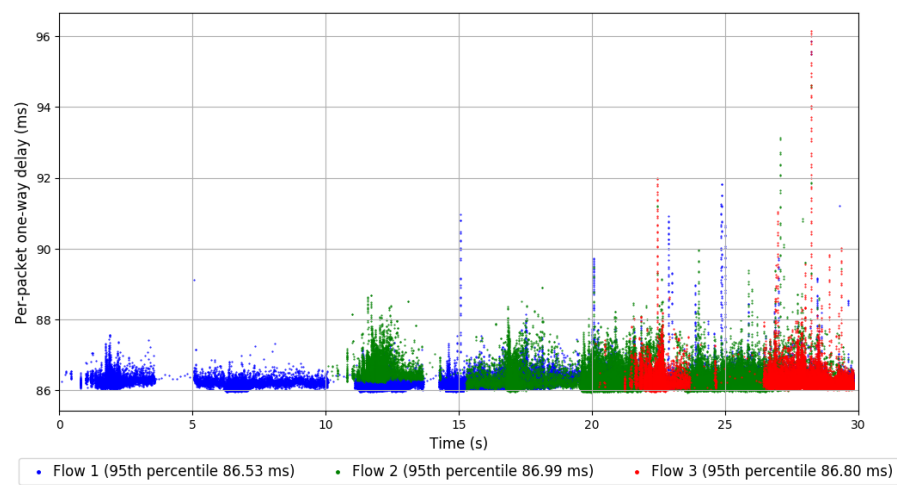
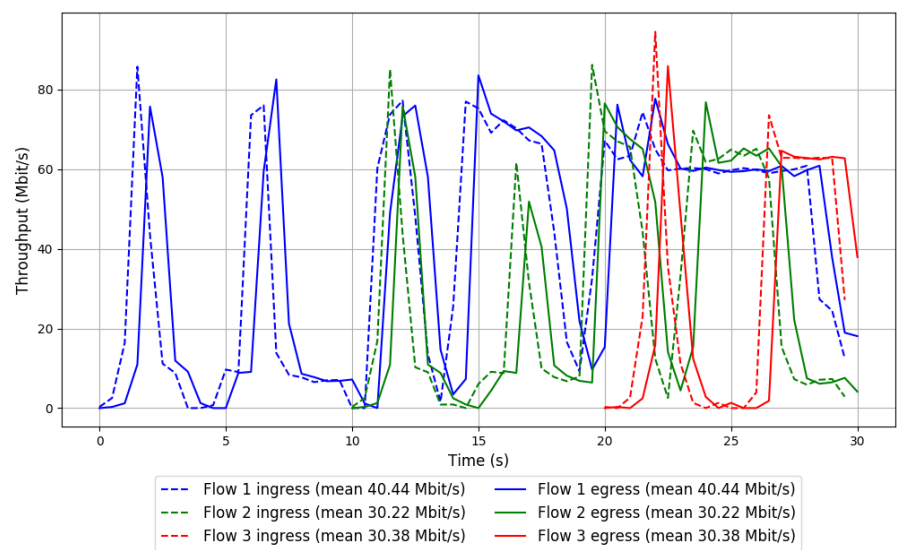


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-29 17:18:59
End at: 2018-06-29 17:19:29
Local clock offset: 0.09 ms
Remote clock offset: -0.105 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 86.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.44 Mbit/s
95th percentile per-packet one-way delay: 86.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 86.990 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.38 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-06-29 17:43:44

End at: 2018-06-29 17:44:14

Local clock offset: 0.126 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.10 Mbit/s

95th percentile per-packet one-way delay: 86.849 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.57 Mbit/s

95th percentile per-packet one-way delay: 86.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.02 Mbit/s

95th percentile per-packet one-way delay: 86.755 ms

Loss rate: 0.00%

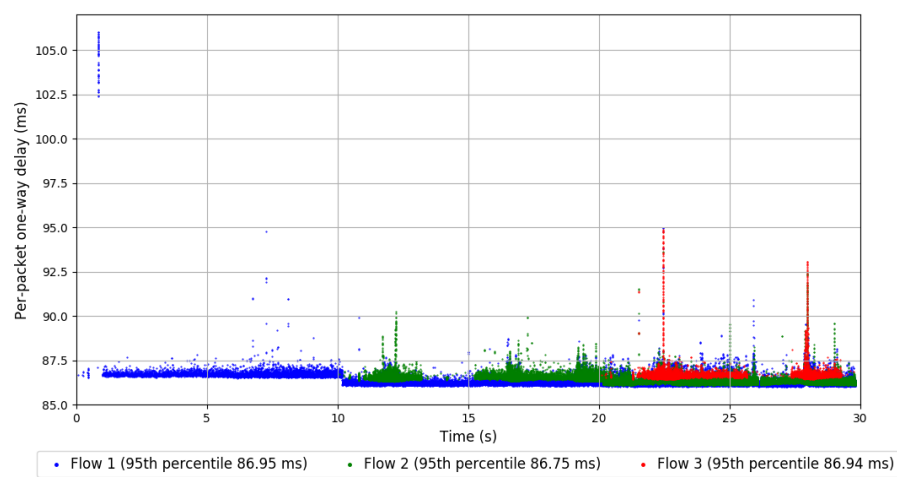
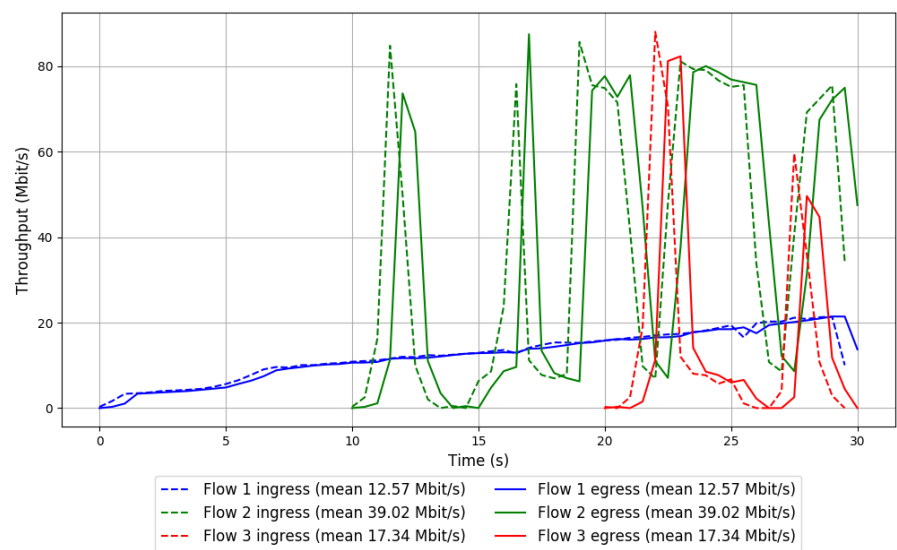
-- Flow 3:

Average throughput: 17.34 Mbit/s

95th percentile per-packet one-way delay: 86.942 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-29 18:08:26

End at: 2018-06-29 18:08:56

Local clock offset: 0.126 ms

Remote clock offset: 0.094 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 87.270 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 48.76 Mbit/s

95th percentile per-packet one-way delay: 87.319 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.54 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

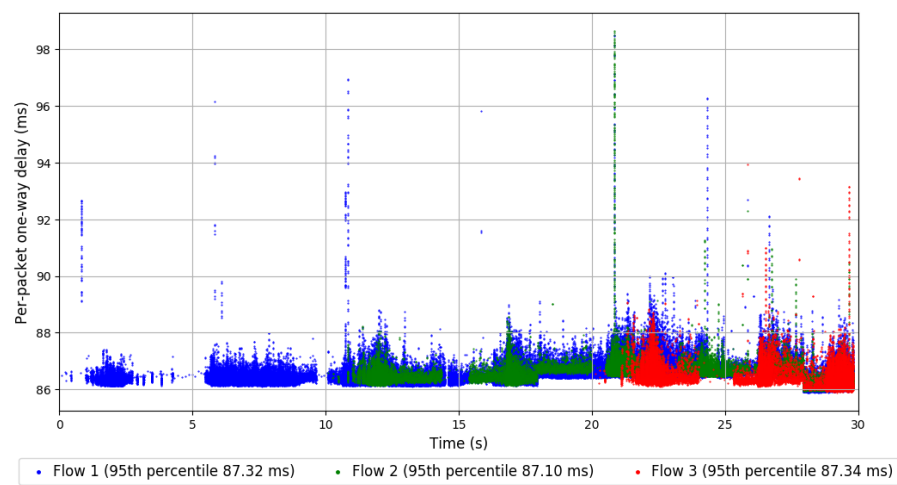
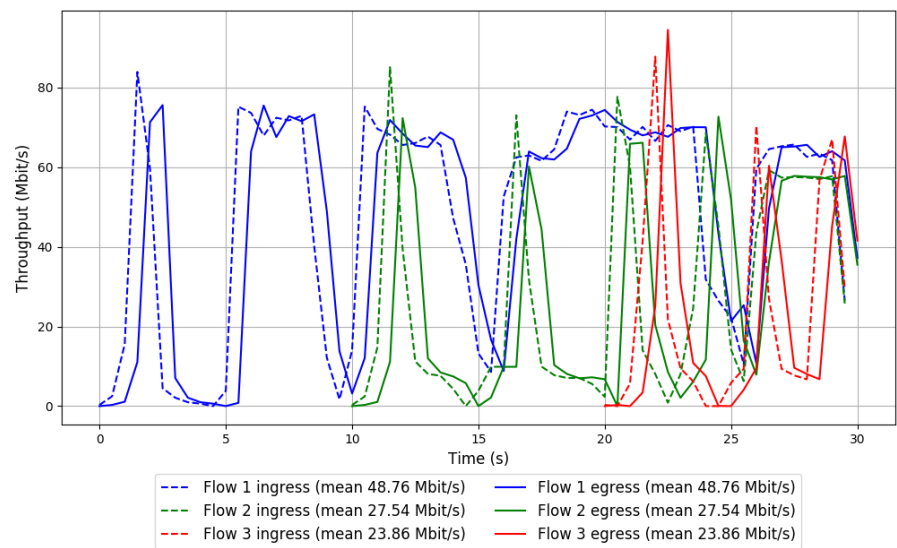
-- Flow 3:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 87.342 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-29 18:32:42

End at: 2018-06-29 18:33:12

Local clock offset: -0.13 ms

Remote clock offset: 0.1 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.28 Mbit/s

95th percentile per-packet one-way delay: 87.336 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.69 Mbit/s

95th percentile per-packet one-way delay: 86.744 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 87.712 ms

Loss rate: 0.00%

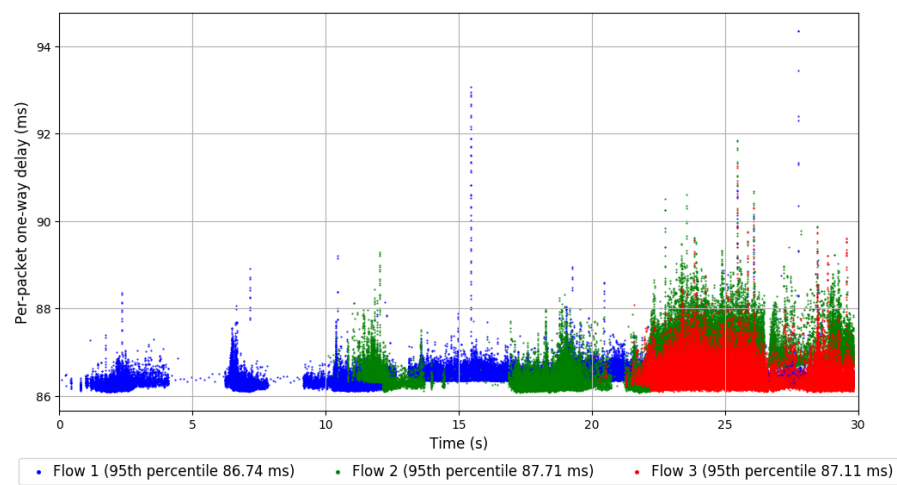
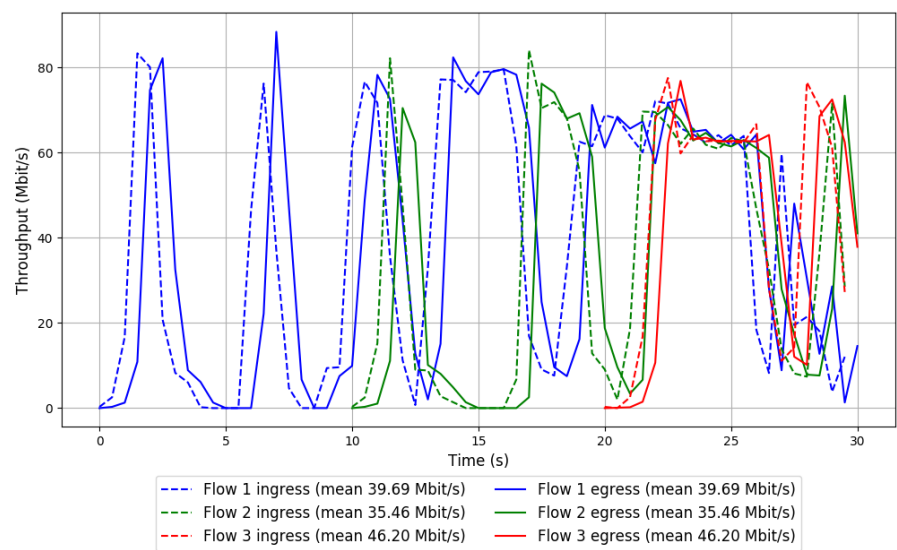
-- Flow 3:

Average throughput: 46.20 Mbit/s

95th percentile per-packet one-way delay: 87.106 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-29 18:56:53

End at: 2018-06-29 18:57:23

Local clock offset: 0.023 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.97 Mbit/s

95th percentile per-packet one-way delay: 86.972 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.88 Mbit/s

95th percentile per-packet one-way delay: 87.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 86.595 ms

Loss rate: 0.00%

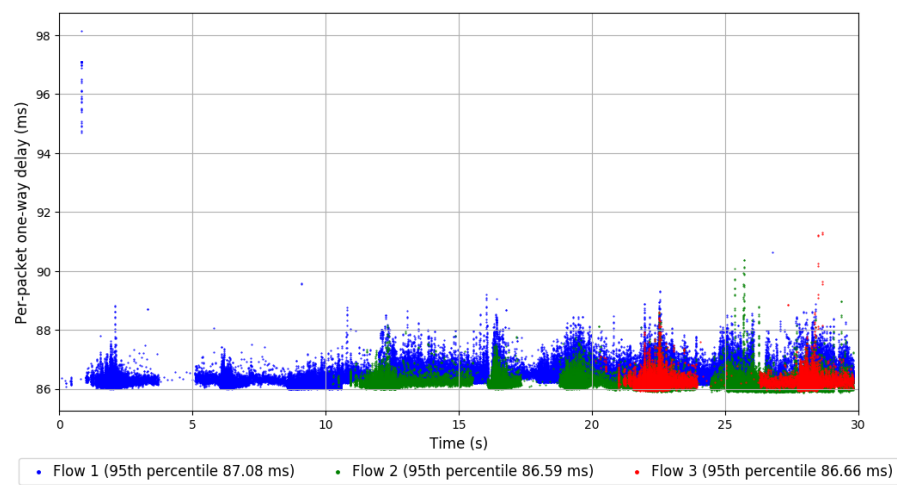
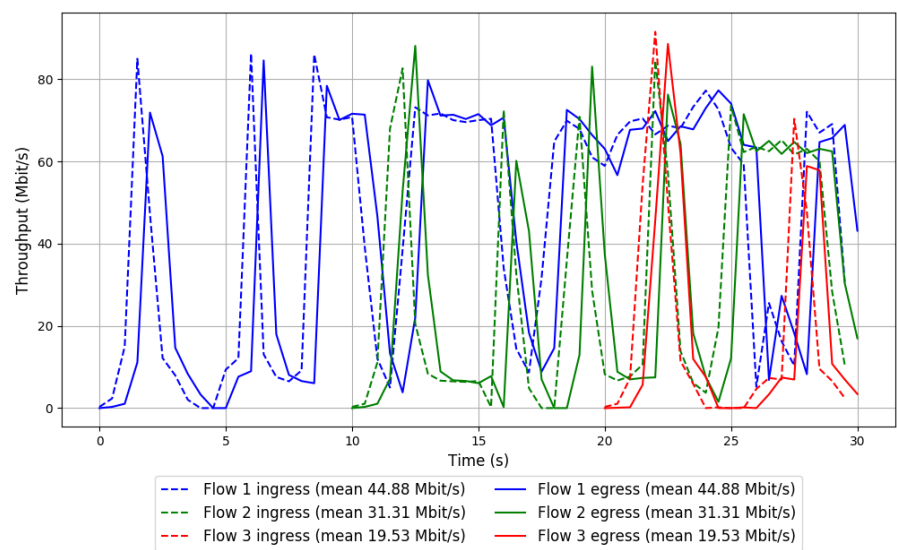
-- Flow 3:

Average throughput: 19.53 Mbit/s

95th percentile per-packet one-way delay: 86.658 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-29 19:21:36

End at: 2018-06-29 19:22:06

Local clock offset: 0.188 ms

Remote clock offset: 0.123 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.86 Mbit/s

95th percentile per-packet one-way delay: 86.915 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.52 Mbit/s

95th percentile per-packet one-way delay: 87.024 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 86.695 ms

Loss rate: 0.00%

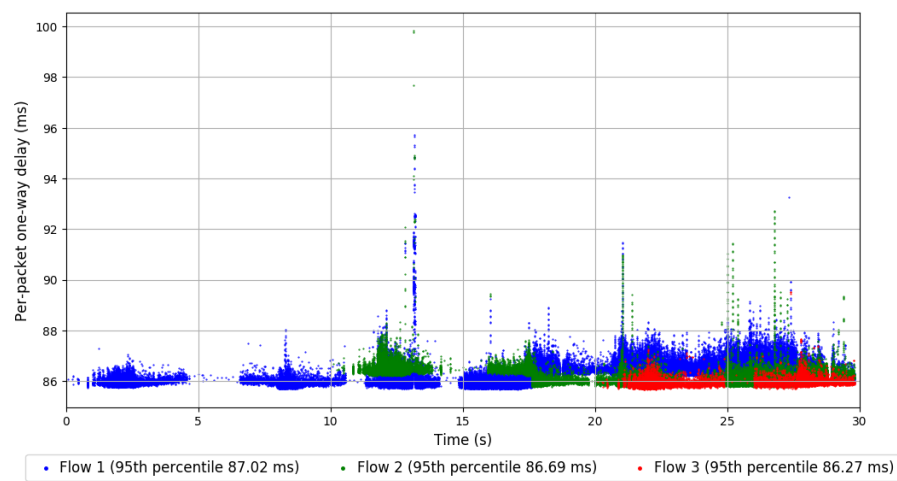
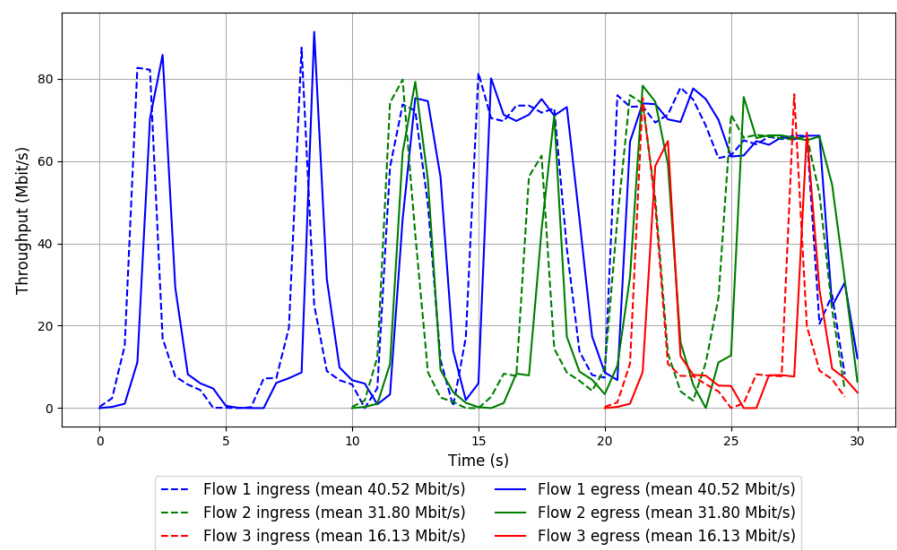
-- Flow 3:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 86.273 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

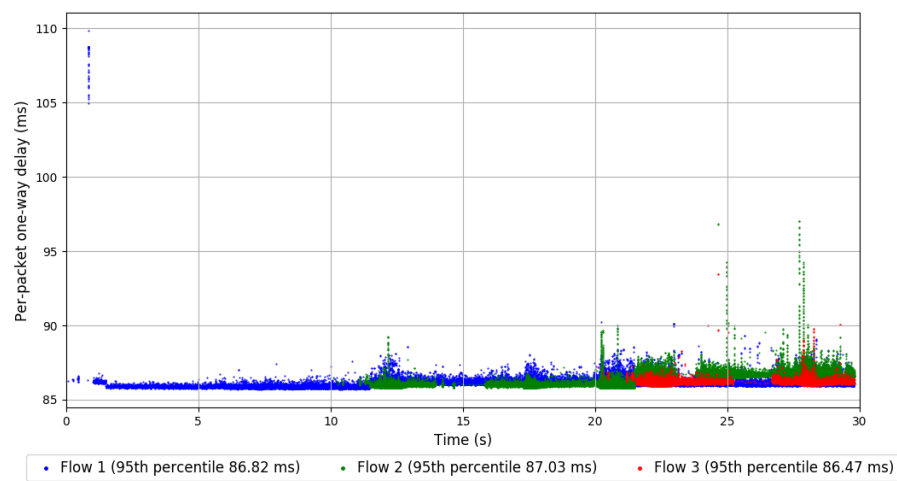
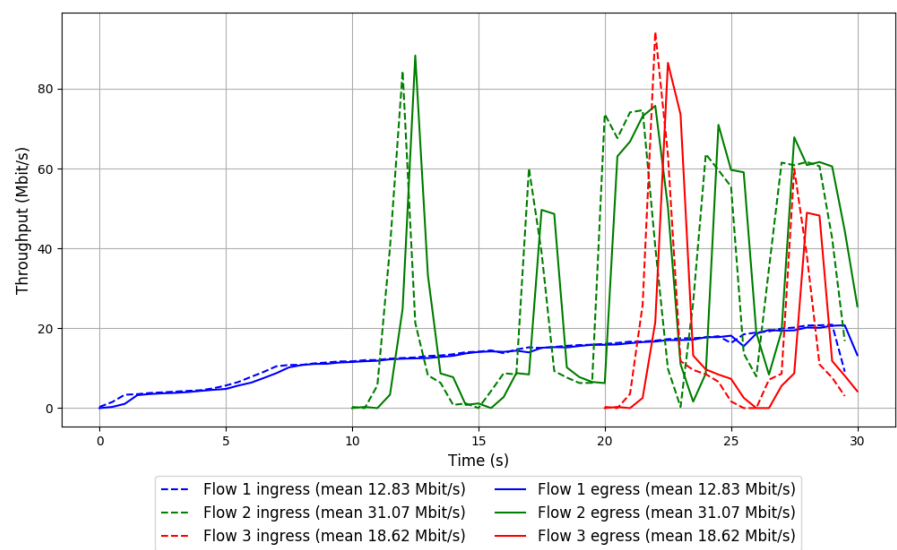


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-29 19:46:12
End at: 2018-06-29 19:46:42
Local clock offset: 0.209 ms
Remote clock offset: -0.278 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 86.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 86.821 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 87.029 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 86.469 ms
Loss rate: 0.00%
```

Run 8: Report of QUIC Cubic — Data Link

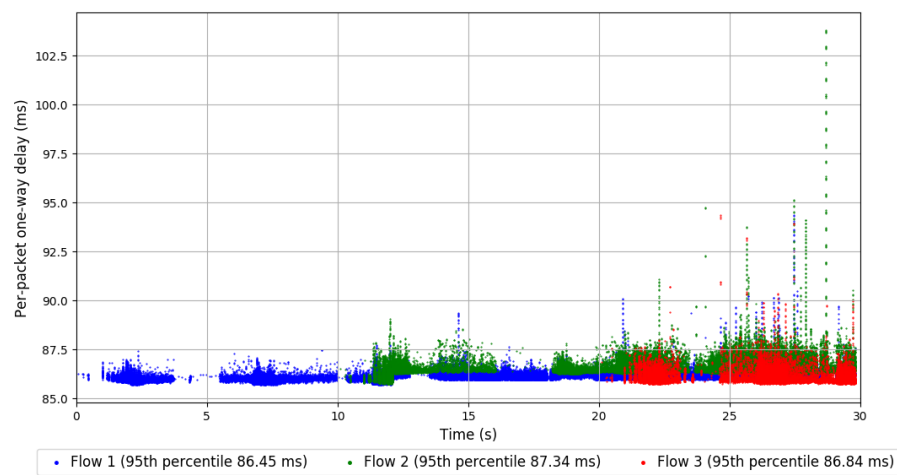
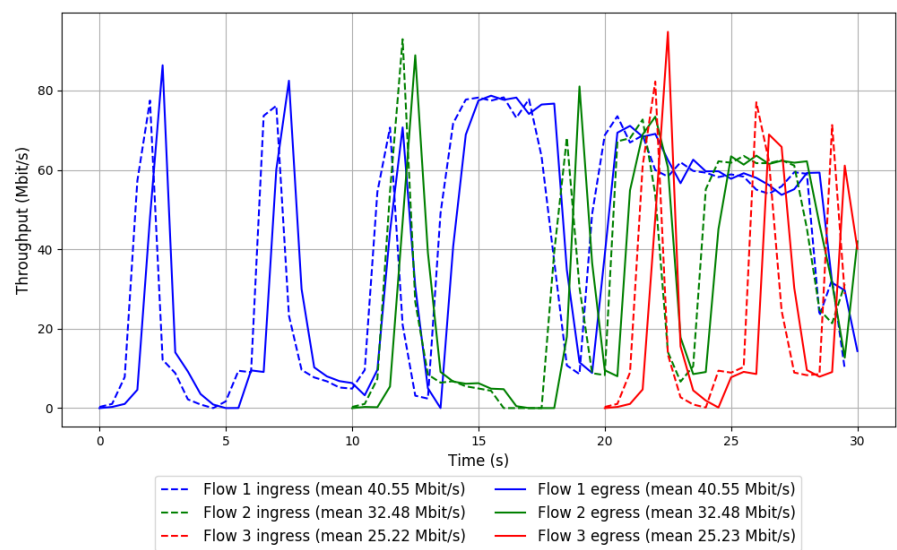


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-29 20:10:32
End at: 2018-06-29 20:11:02
Local clock offset: 0.15 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 86.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 86.450 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.48 Mbit/s
95th percentile per-packet one-way delay: 87.339 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.23 Mbit/s
95th percentile per-packet one-way delay: 86.842 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-29 20:35:27

End at: 2018-06-29 20:35:57

Local clock offset: 0.165 ms

Remote clock offset: 0.166 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 86.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 40.02 Mbit/s

95th percentile per-packet one-way delay: 86.694 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.35 Mbit/s

95th percentile per-packet one-way delay: 86.761 ms

Loss rate: 0.00%

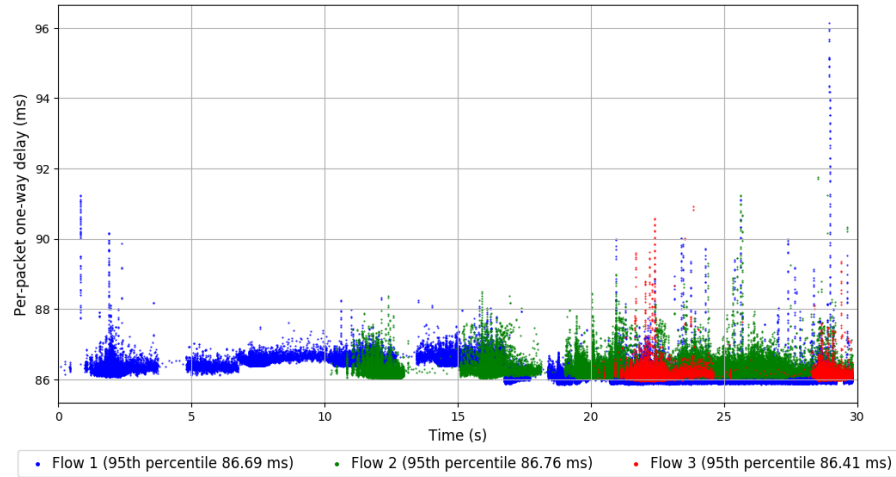
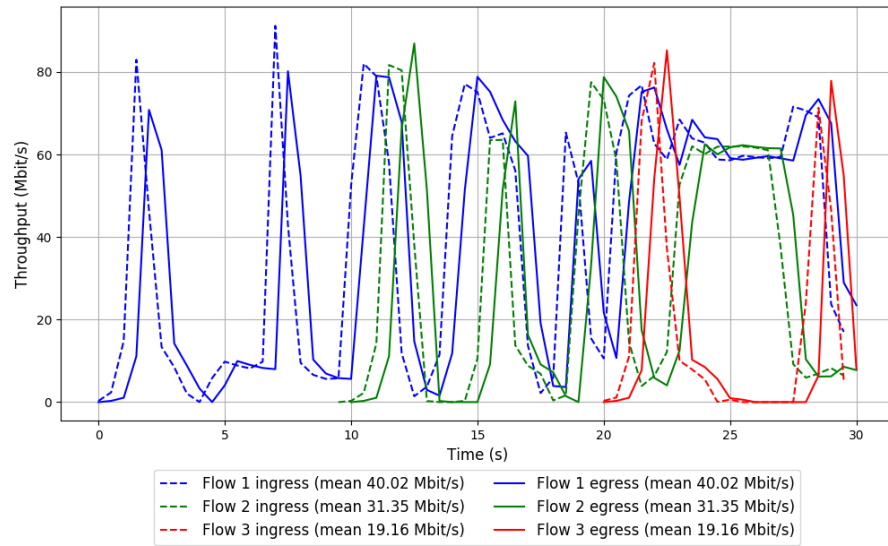
-- Flow 3:

Average throughput: 19.16 Mbit/s

95th percentile per-packet one-way delay: 86.407 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

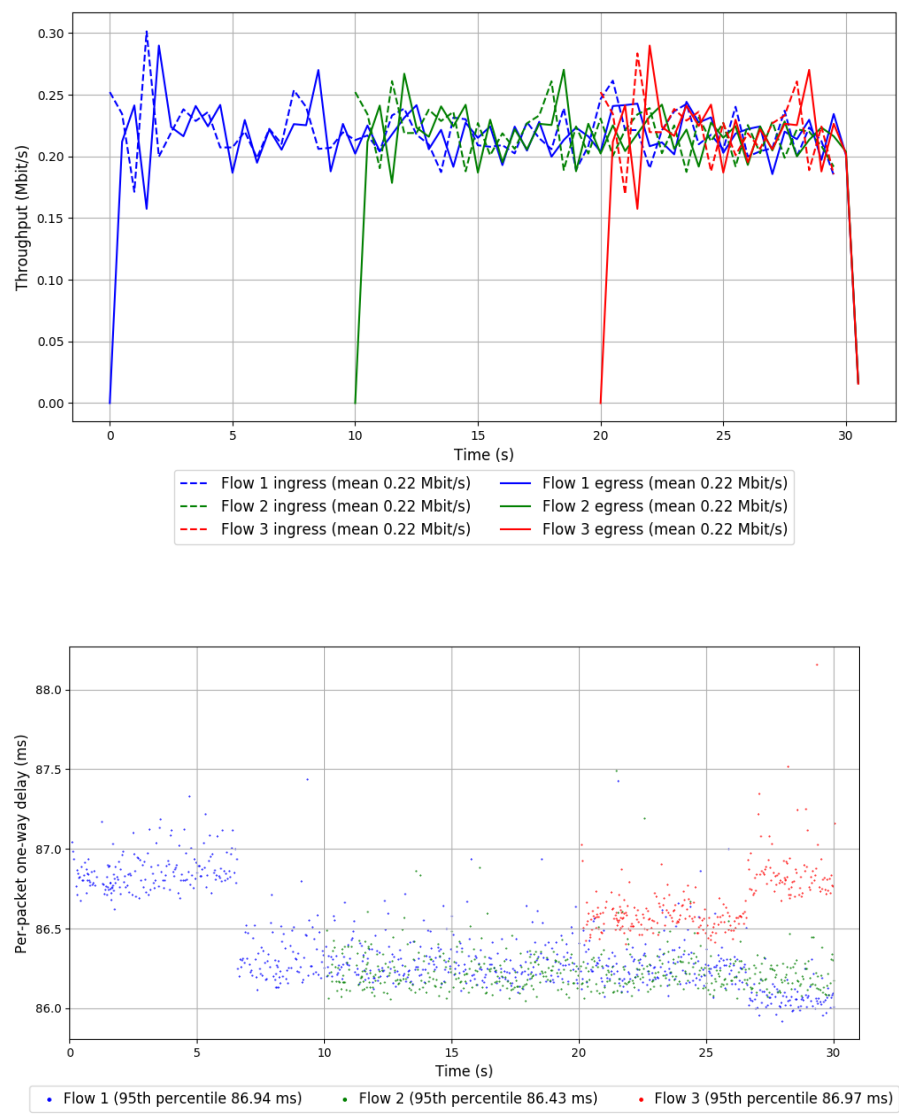


```
Run 1: Statistics of SReAM

Start at: 2018-06-29 16:55:37
End at: 2018-06-29 16:56:07
Local clock offset: 0.295 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-06-29 22:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.433 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.975 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

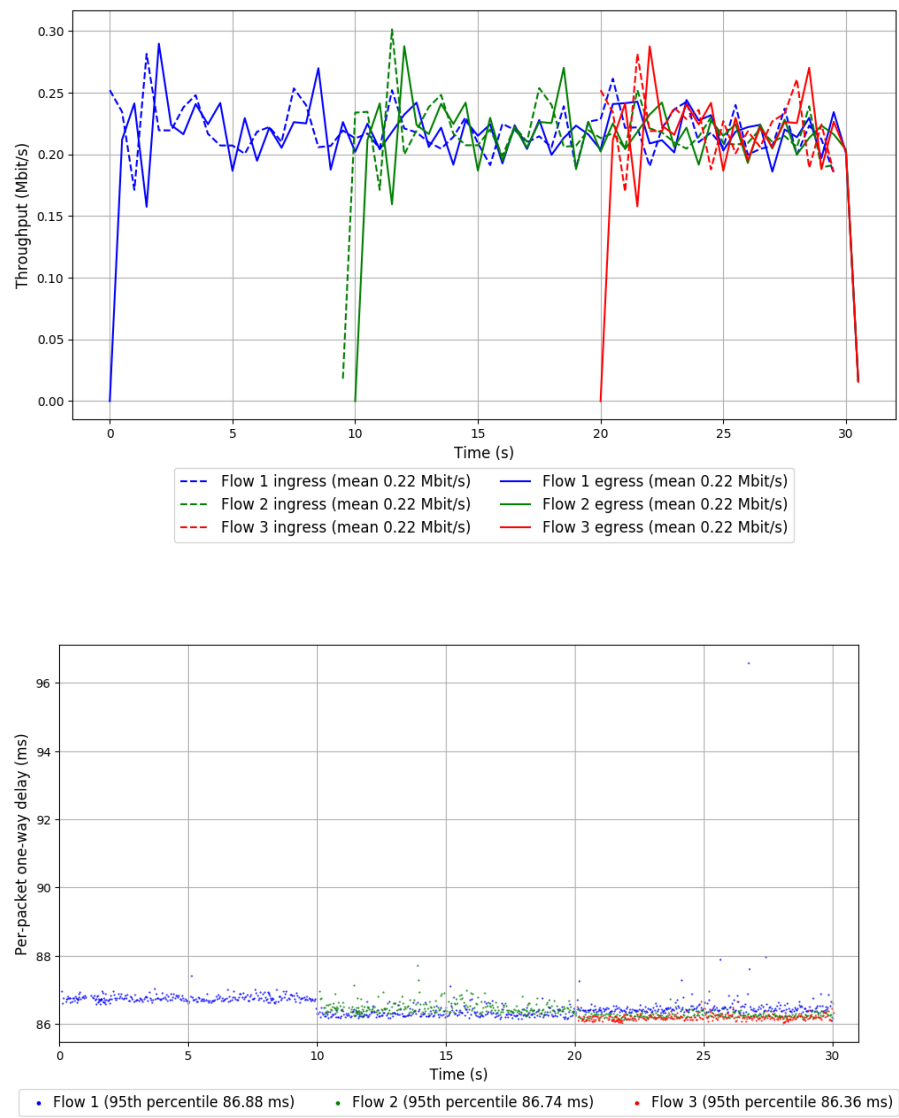


Run 2: Statistics of SReAM

Start at: 2018-06-29 17:20:14
End at: 2018-06-29 17:20:44
Local clock offset: 0.106 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.838 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.883 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.362 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

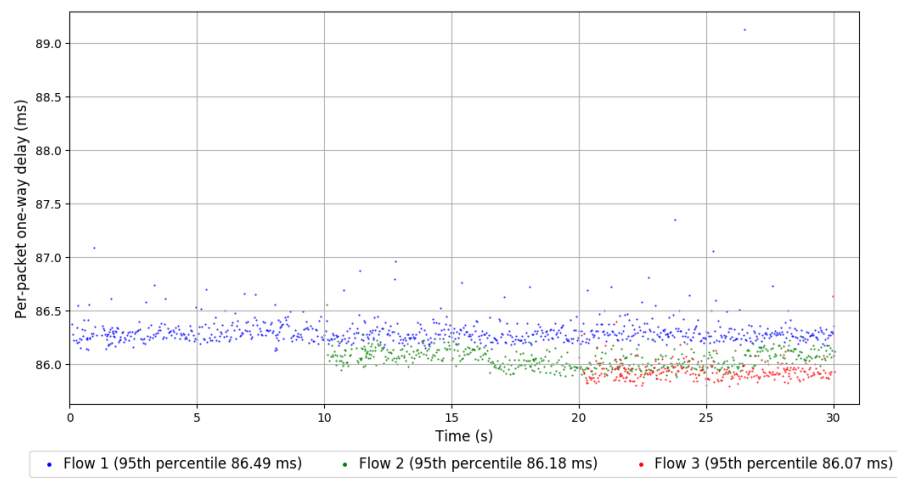
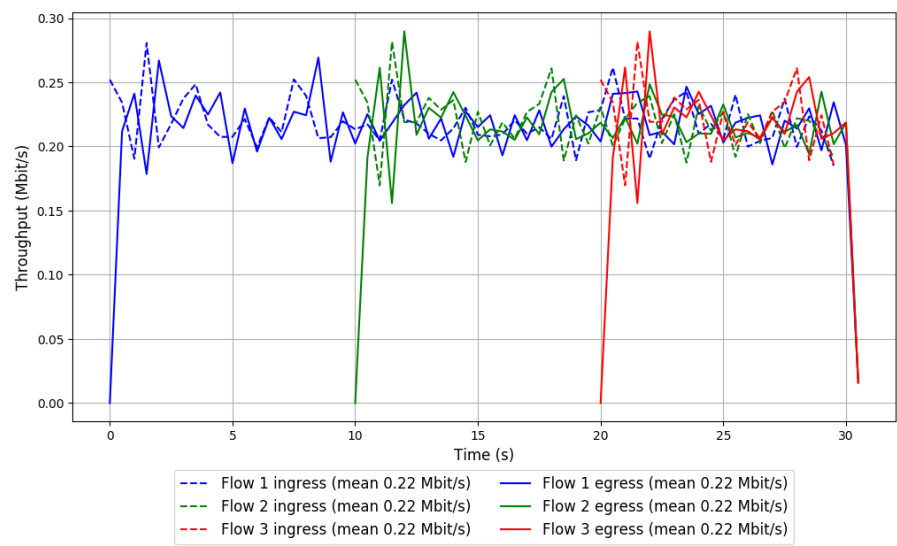


Run 3: Statistics of SReAM

Start at: 2018-06-29 17:44:58
End at: 2018-06-29 17:45:28
Local clock offset: 0.342 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.492 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.070 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-06-29 18:09:41

End at: 2018-06-29 18:10:11

Local clock offset: 0.06 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.067 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.838 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.556 ms

Loss rate: 0.00%

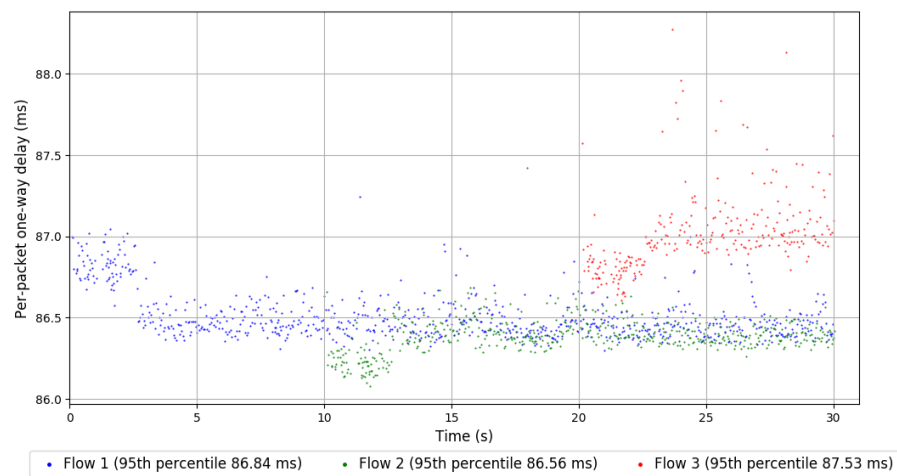
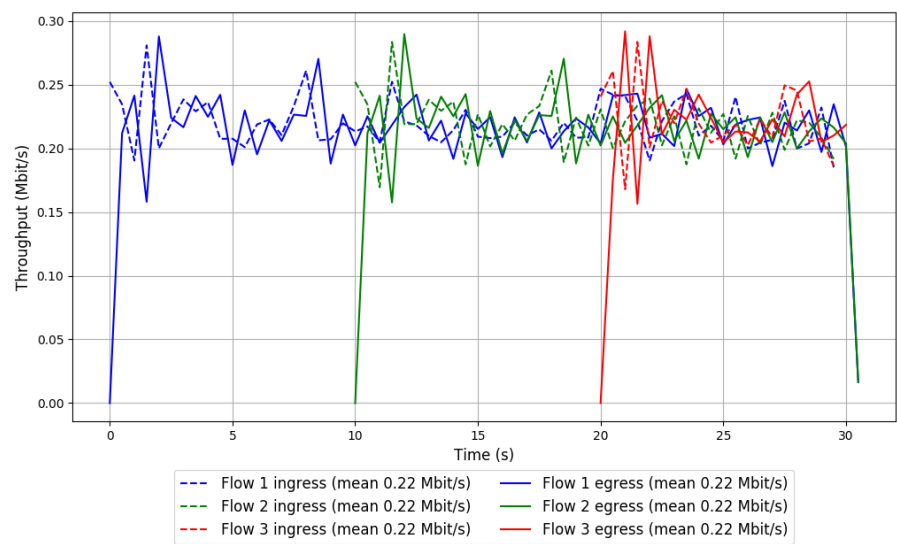
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.535 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-06-29 18:33:58

End at: 2018-06-29 18:34:28

Local clock offset: 0.189 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.908 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.760 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.038 ms

Loss rate: 0.00%

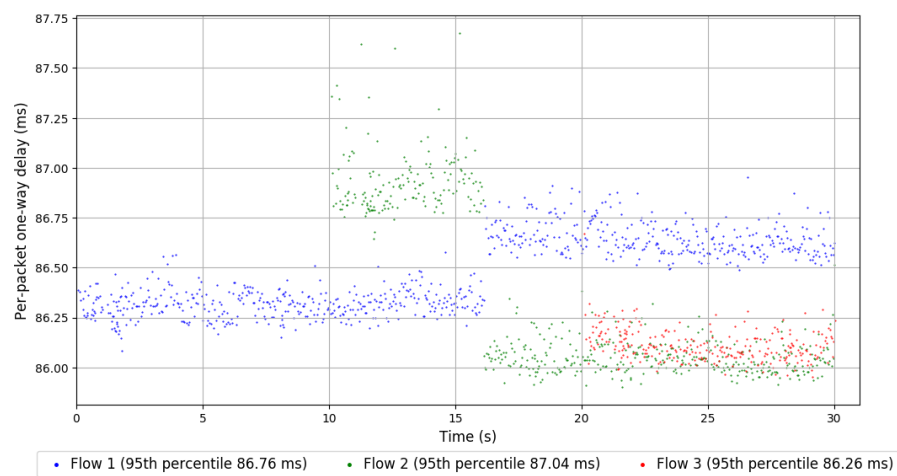
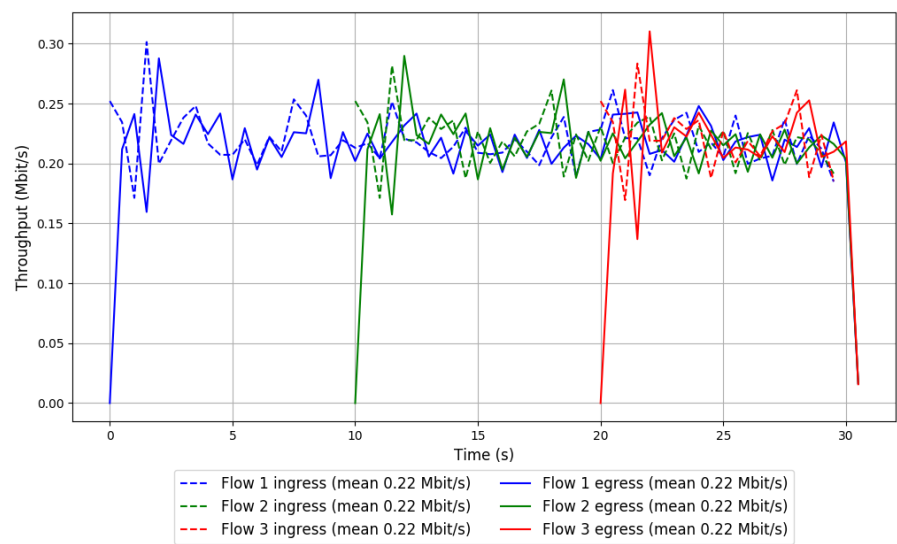
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.258 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-06-29 18:58:10

End at: 2018-06-29 18:58:40

Local clock offset: 0.185 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.907 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.418 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.032 ms

Loss rate: 0.00%

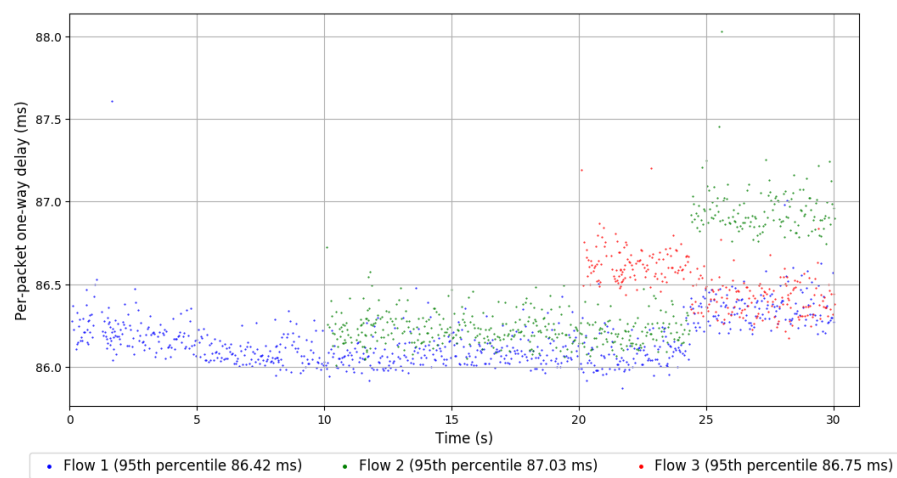
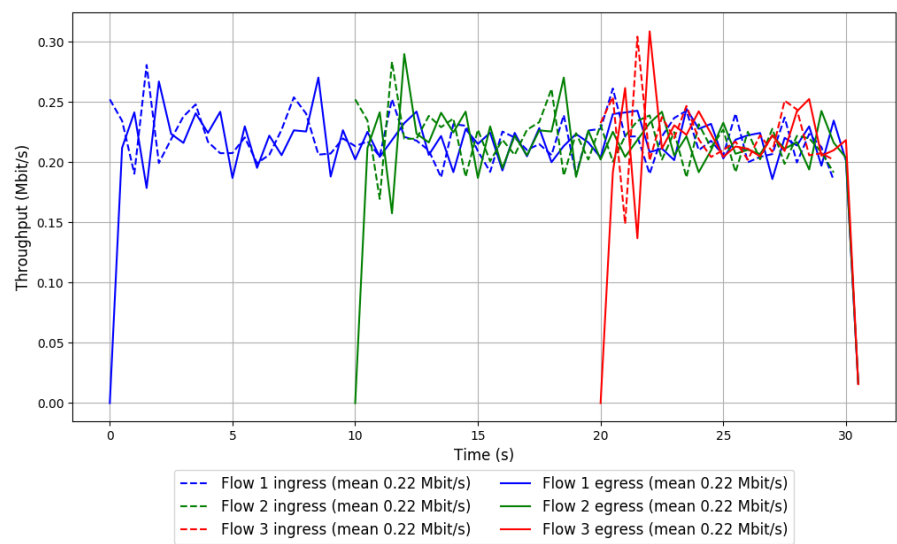
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-06-29 19:22:52

End at: 2018-06-29 19:23:22

Local clock offset: 0.012 ms

Remote clock offset: 0.268 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.009 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.862 ms

Loss rate: 0.00%

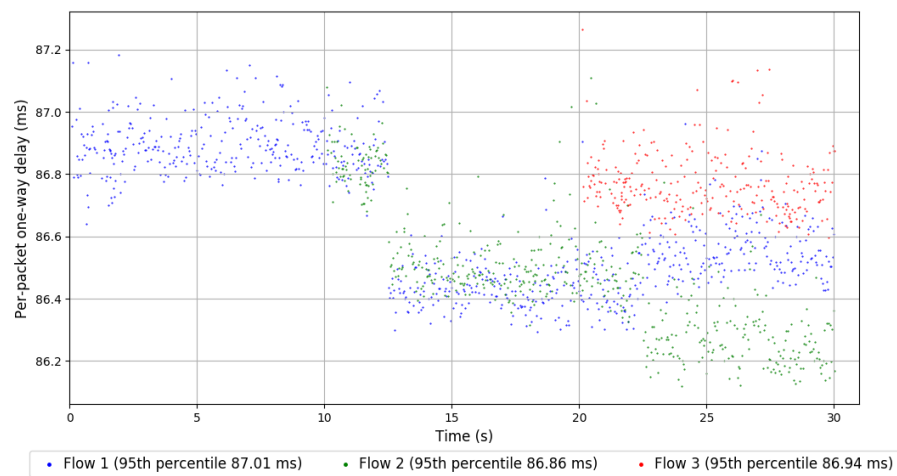
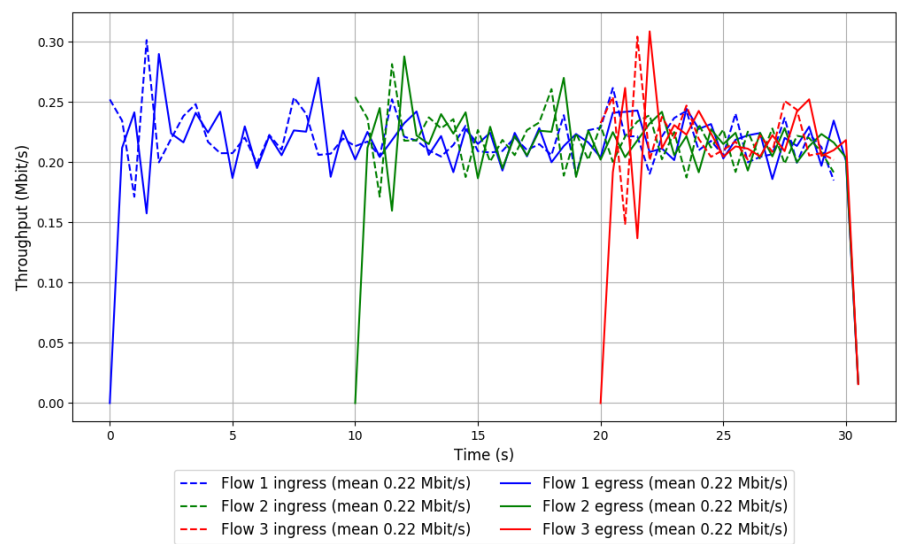
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.943 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

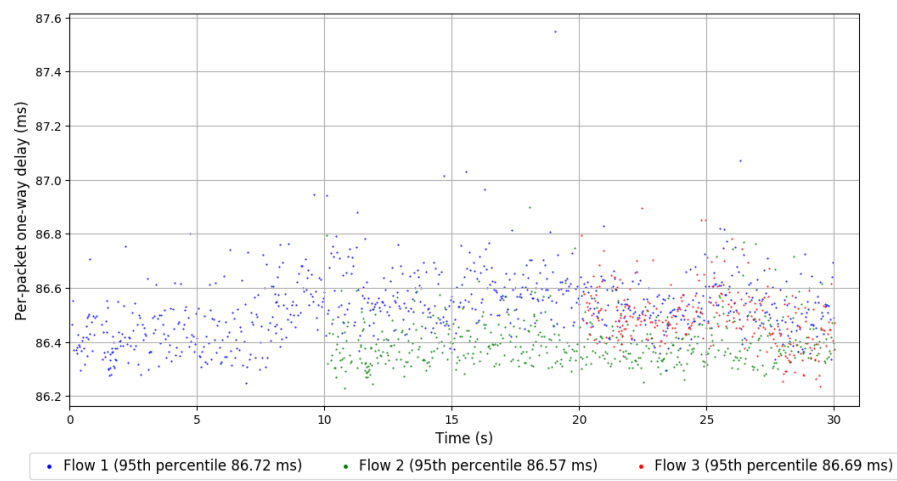
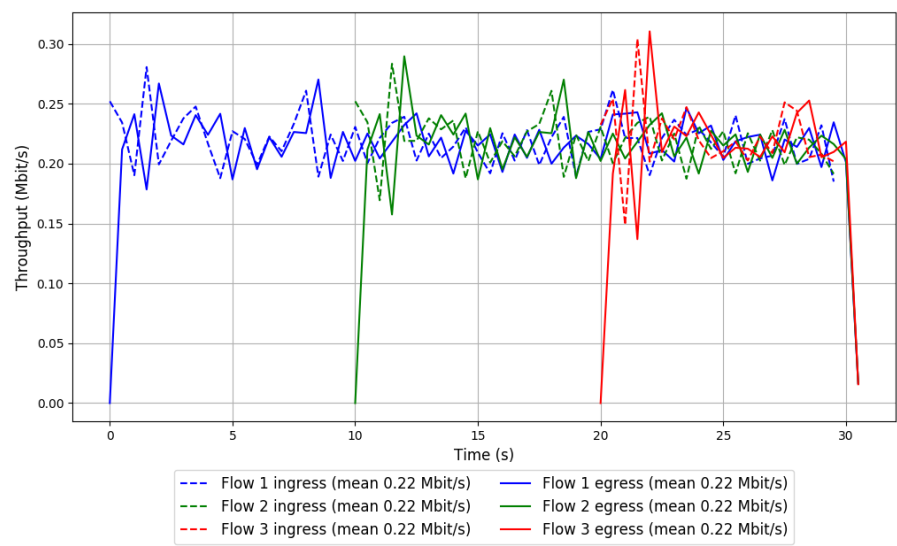


Run 8: Statistics of SReAM

Start at: 2018-06-29 19:47:26
End at: 2018-06-29 19:47:56
Local clock offset: -0.126 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.569 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.686 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

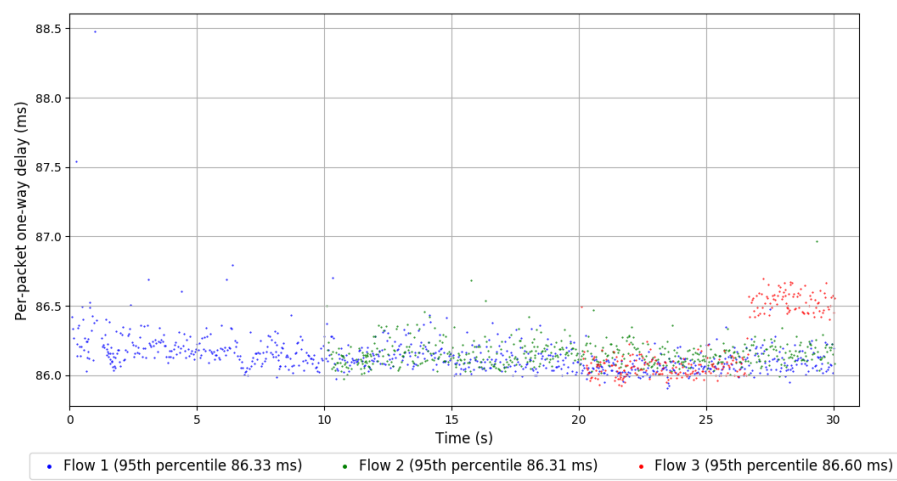
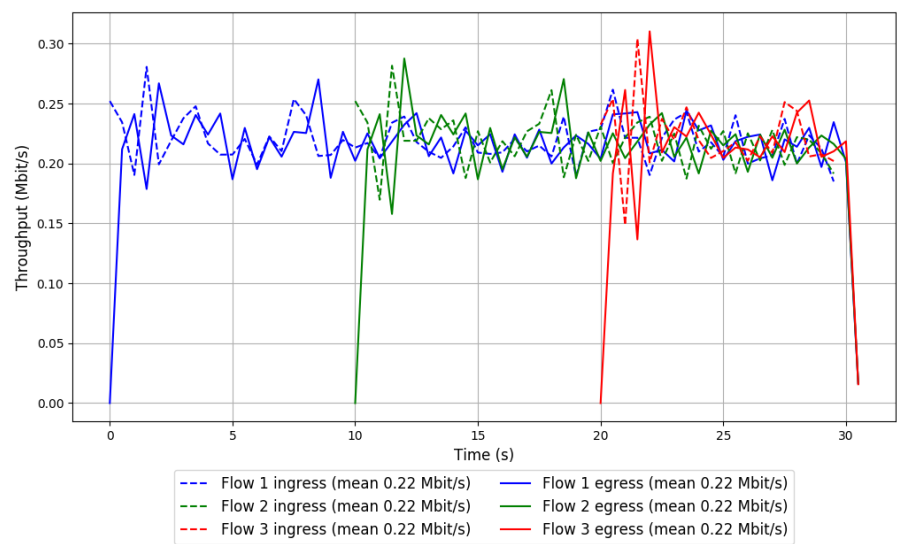


Run 9: Statistics of SReAM

Start at: 2018-06-29 20:11:47
End at: 2018-06-29 20:12:18
Local clock offset: 0.208 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.484 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.334 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.603 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-06-29 20:36:43

End at: 2018-06-29 20:37:13

Local clock offset: 0.123 ms

Remote clock offset: 0.183 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.044 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.118 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.388 ms

Loss rate: 0.00%

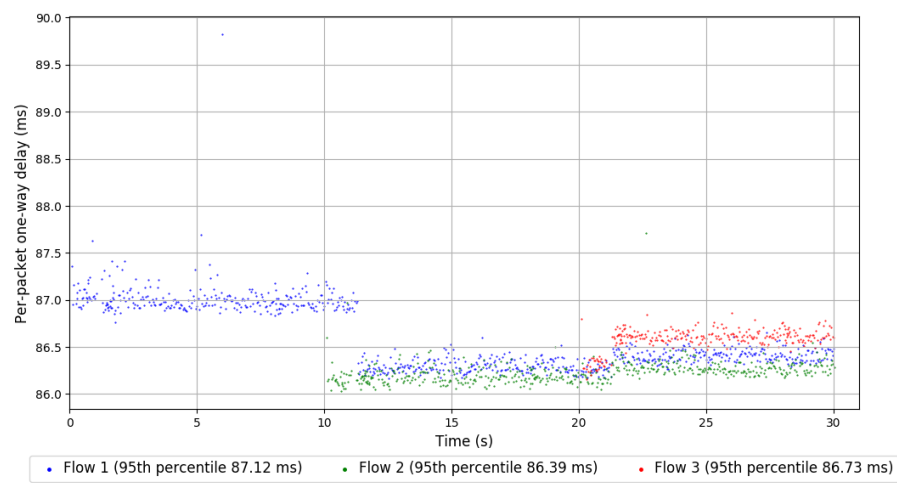
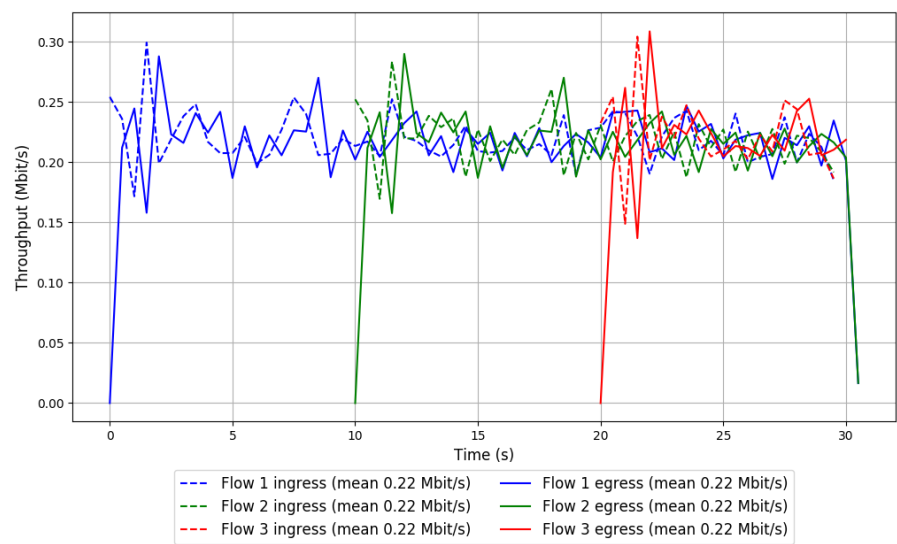
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.735 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-29 16:50:16

End at: 2018-06-29 16:50:46

Local clock offset: 0.184 ms

Remote clock offset: -0.17 ms

Below is generated by plot.py at 2018-06-29 22:23:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 86.953 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.127 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.789 ms

Loss rate: 0.00%

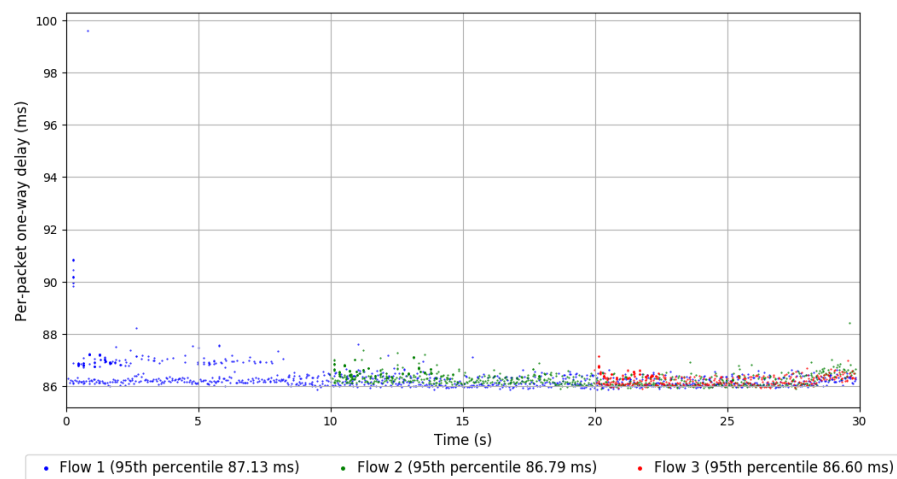
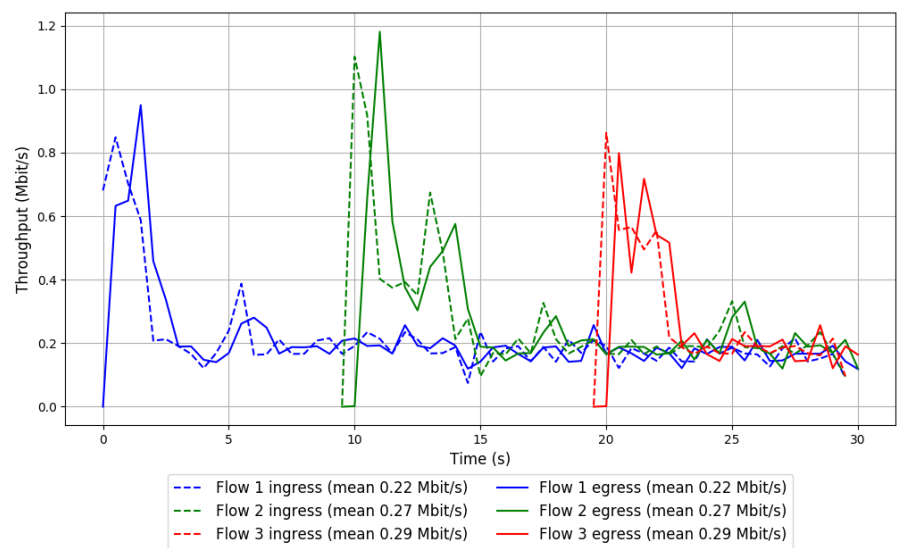
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.601 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

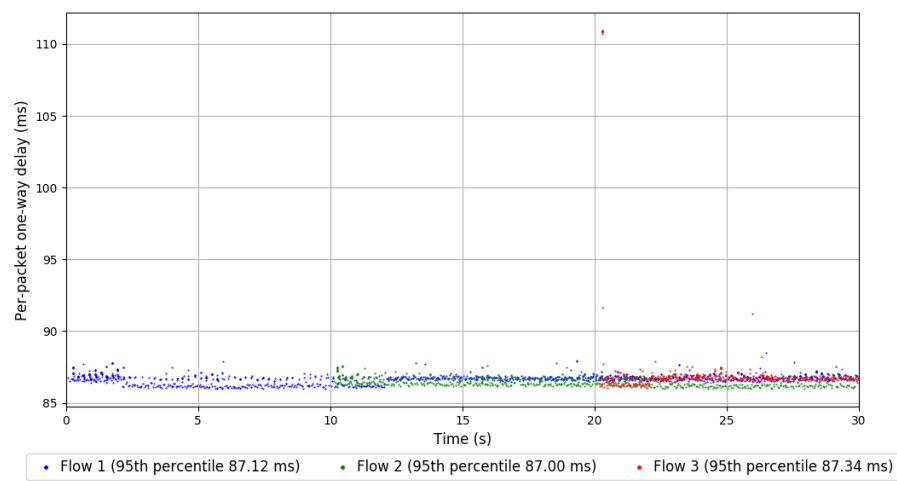
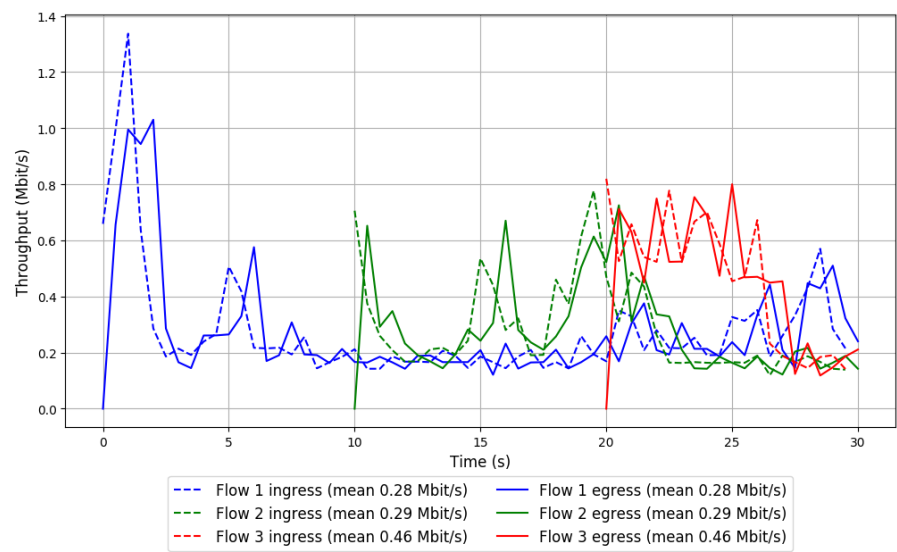


Run 2: Statistics of Sprout

Start at: 2018-06-29 17:14:52
End at: 2018-06-29 17:15:22
Local clock offset: 0.267 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-29 22:23:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 87.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 87.125 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 87.336 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

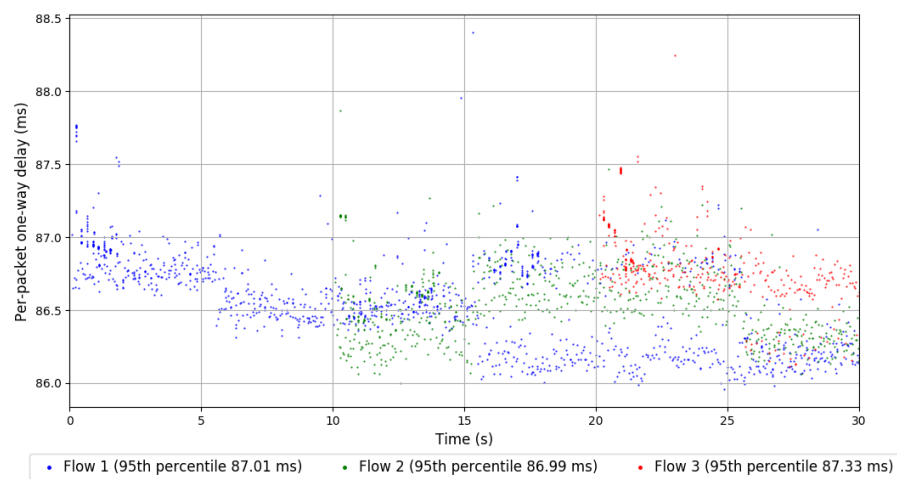
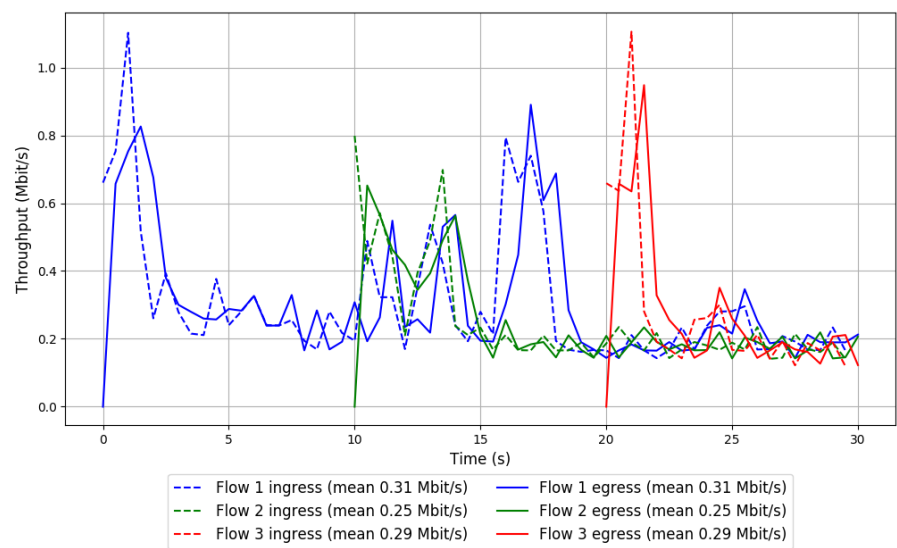


Run 3: Statistics of Sprout

Start at: 2018-06-29 17:39:39
End at: 2018-06-29 17:40:09
Local clock offset: 0.074 ms
Remote clock offset: -0.097 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 87.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.991 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.333 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

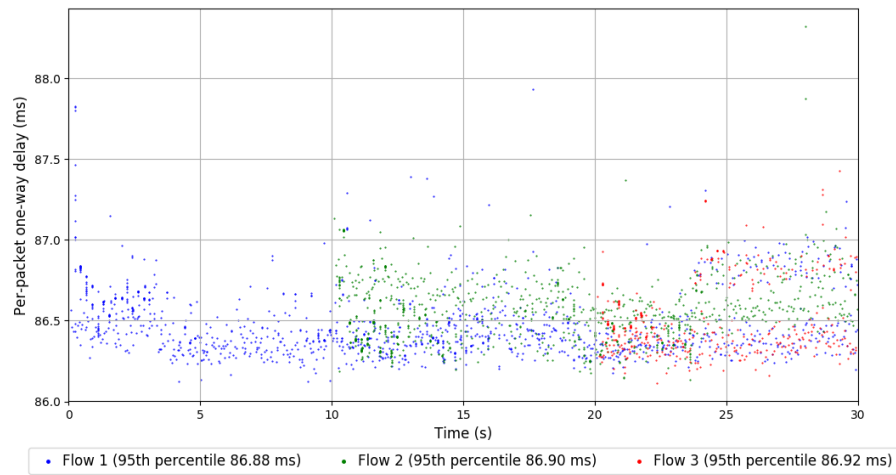
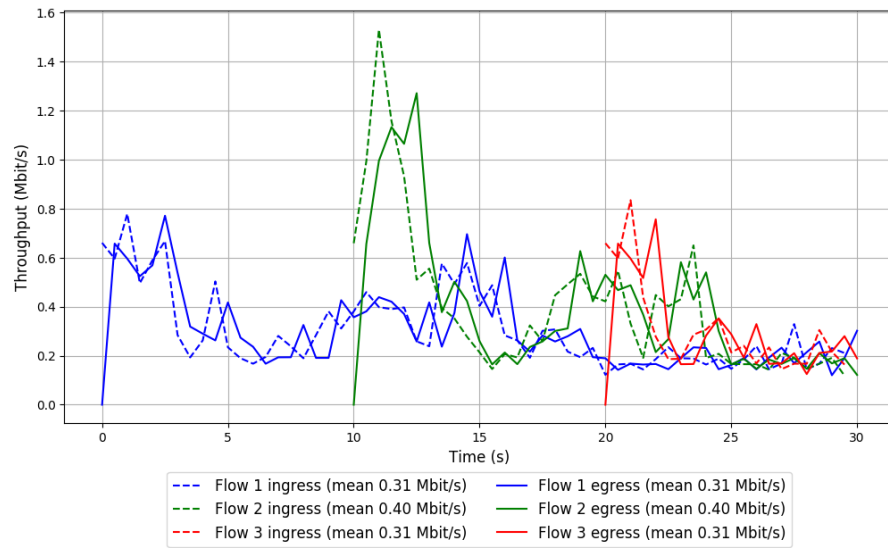


Run 4: Statistics of Sprout

Start at: 2018-06-29 18:04:20
End at: 2018-06-29 18:04:50
Local clock offset: 0.022 ms
Remote clock offset: 0.062 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 86.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.896 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.924 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

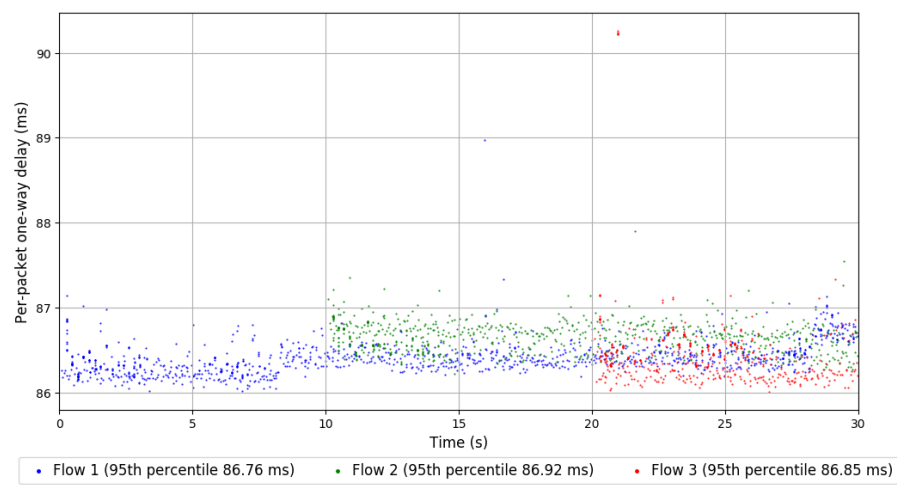
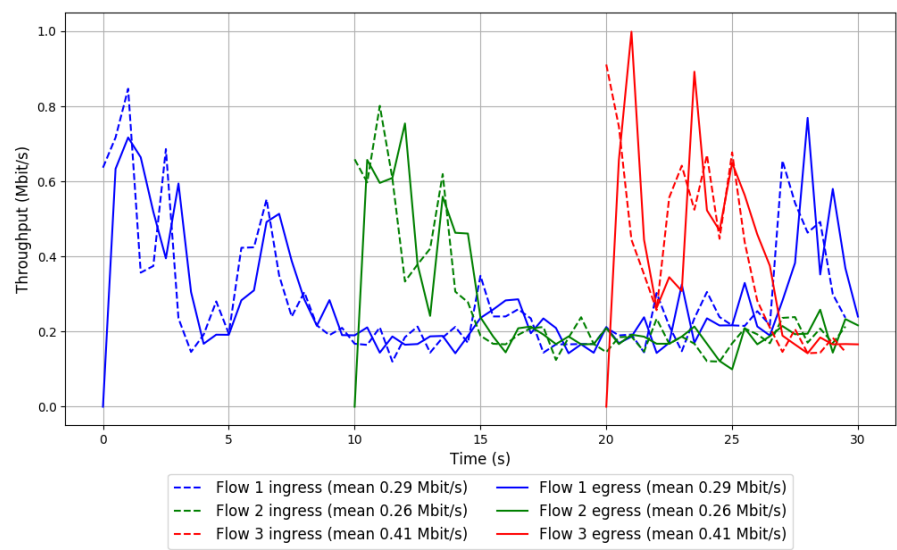


Run 5: Statistics of Sprout

Start at: 2018-06-29 18:28:36
End at: 2018-06-29 18:29:06
Local clock offset: 0.052 ms
Remote clock offset: 0.078 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 86.863 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.920 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-29 18:52:53

End at: 2018-06-29 18:53:23

Local clock offset: 0.07 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-06-29 22:23:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 87.048 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 87.100 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 86.937 ms

Loss rate: 0.00%

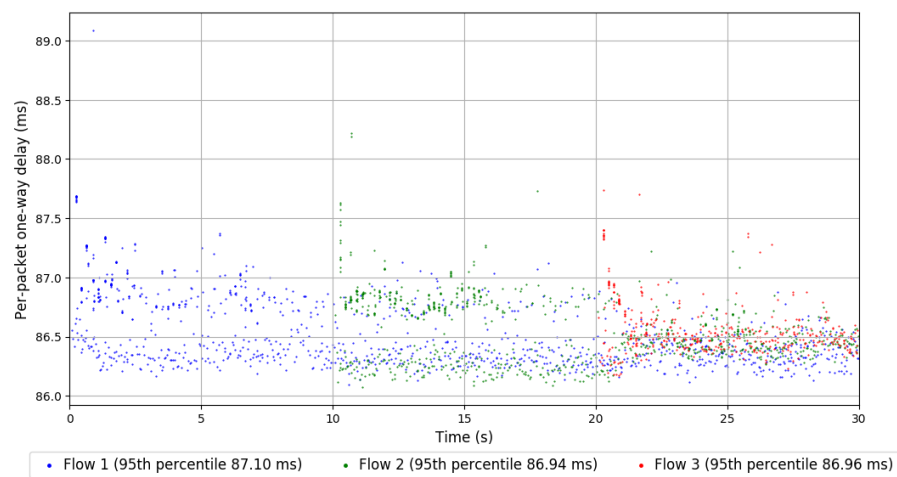
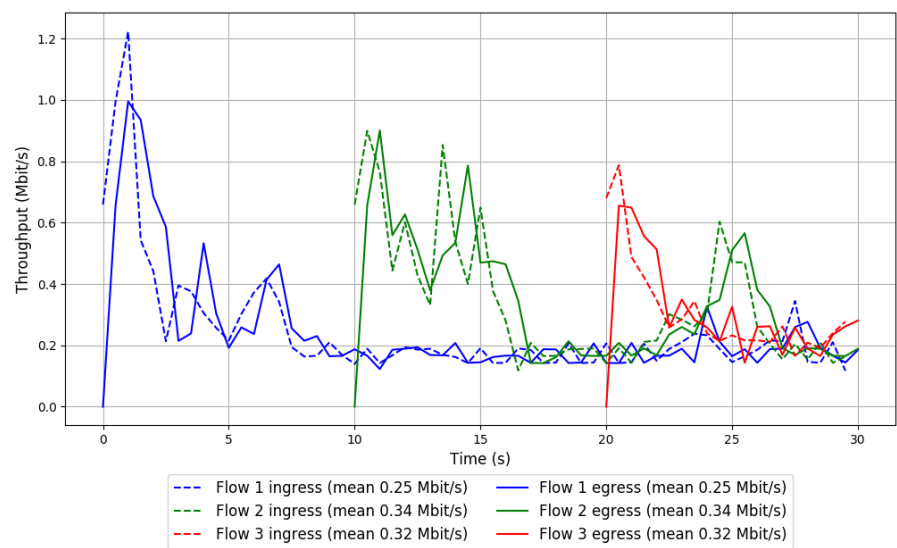
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 86.962 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-29 19:17:31

End at: 2018-06-29 19:18:01

Local clock offset: 0.031 ms

Remote clock offset: 0.226 ms

Below is generated by plot.py at 2018-06-29 22:23:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 86.717 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 86.577 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 86.753 ms

Loss rate: 0.00%

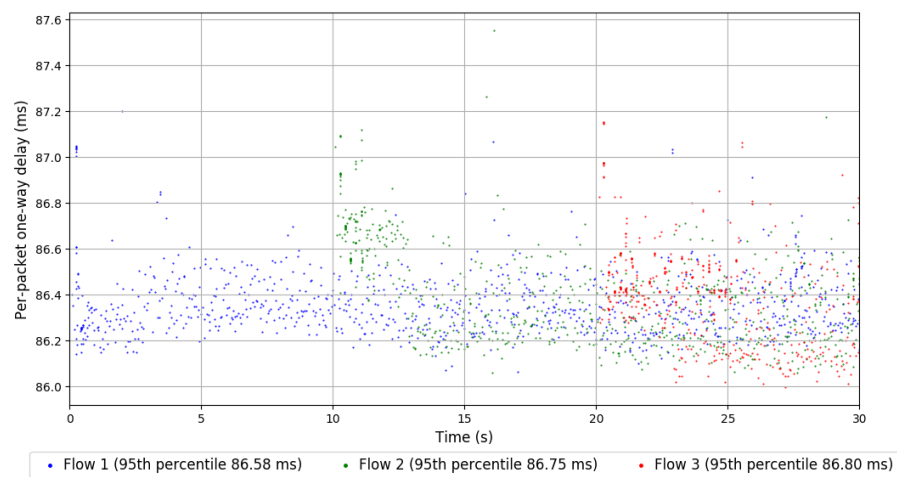
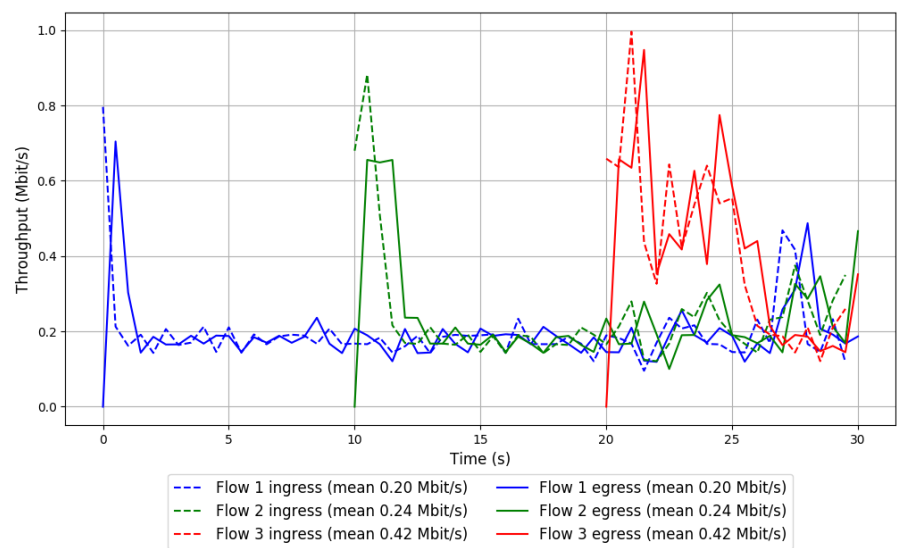
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 86.797 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

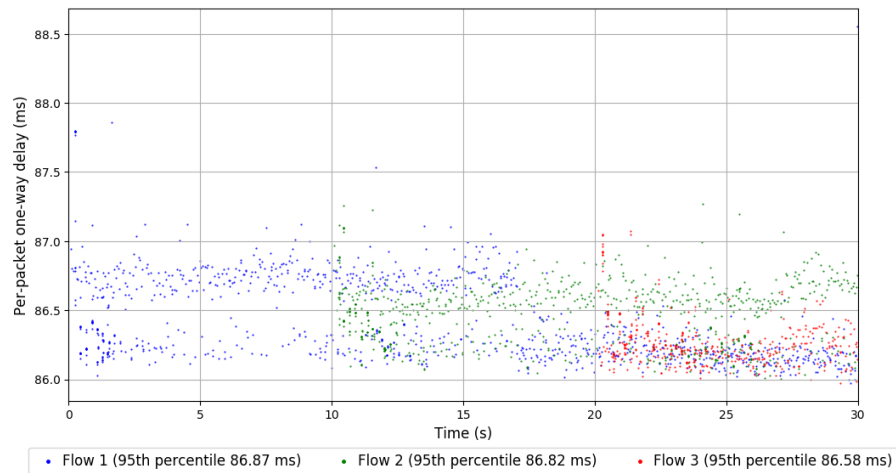
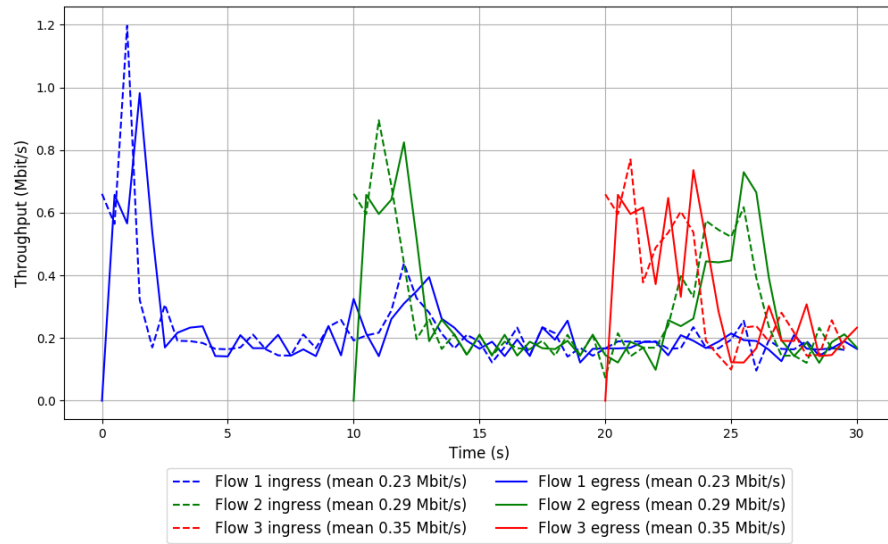


Run 8: Statistics of Sprout

Start at: 2018-06-29 19:42:07
End at: 2018-06-29 19:42:37
Local clock offset: 0.042 ms
Remote clock offset: -0.209 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.843 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.868 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.579 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

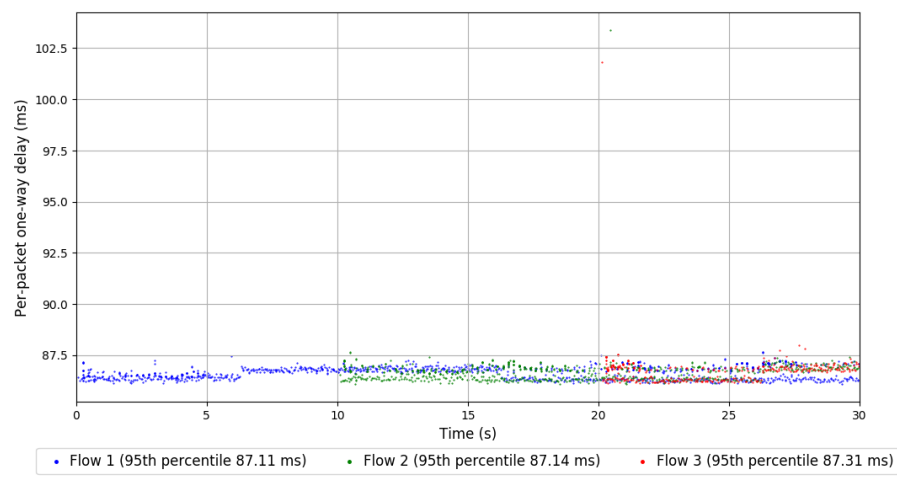
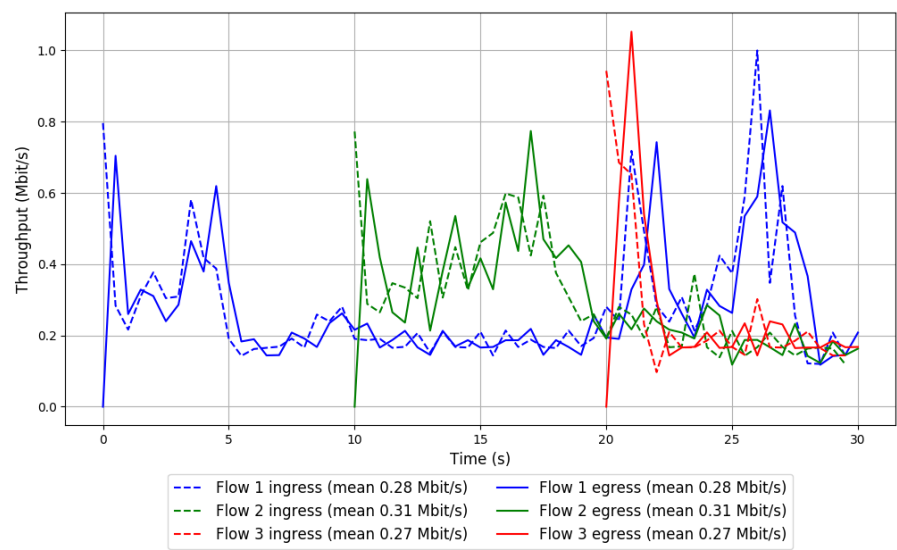


Run 9: Statistics of Sprout

Start at: 2018-06-29 20:06:28
End at: 2018-06-29 20:06:58
Local clock offset: 0.013 ms
Remote clock offset: -0.125 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 87.144 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 87.115 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 87.145 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.305 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

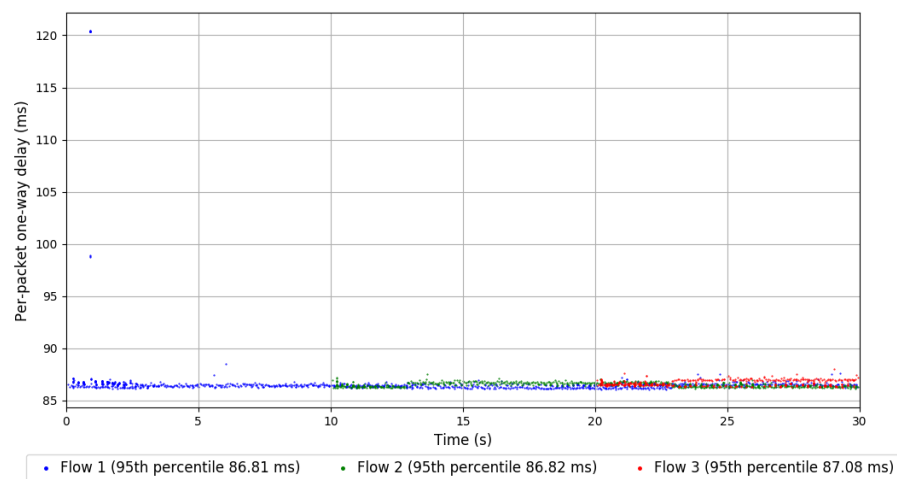
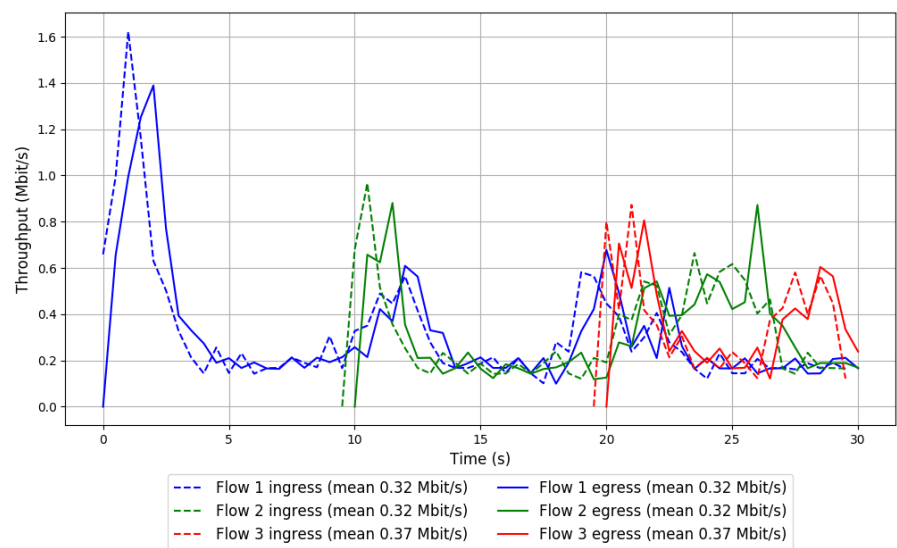


Run 10: Statistics of Sprout

Start at: 2018-06-29 20:31:21
End at: 2018-06-29 20:31:51
Local clock offset: 0.081 ms
Remote clock offset: 0.188 ms

```
# Below is generated by plot.py at 2018-06-29 22:23:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 86.957 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.807 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.819 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 87.081 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

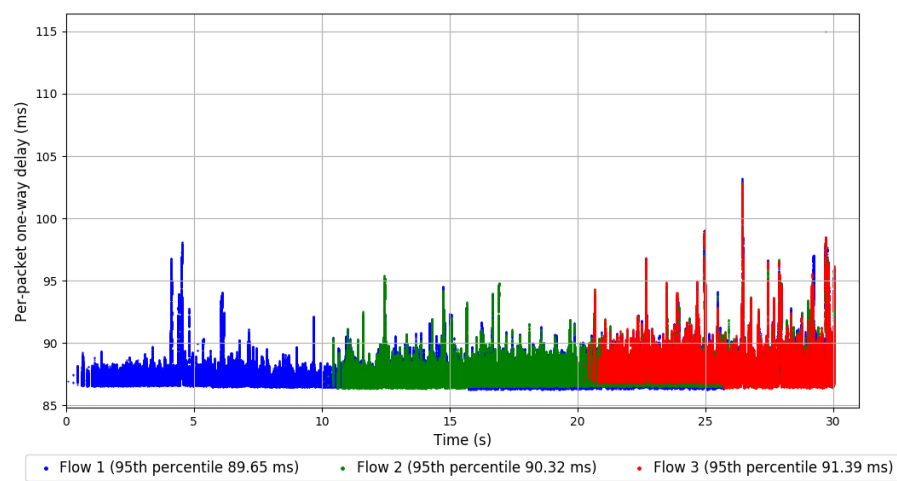
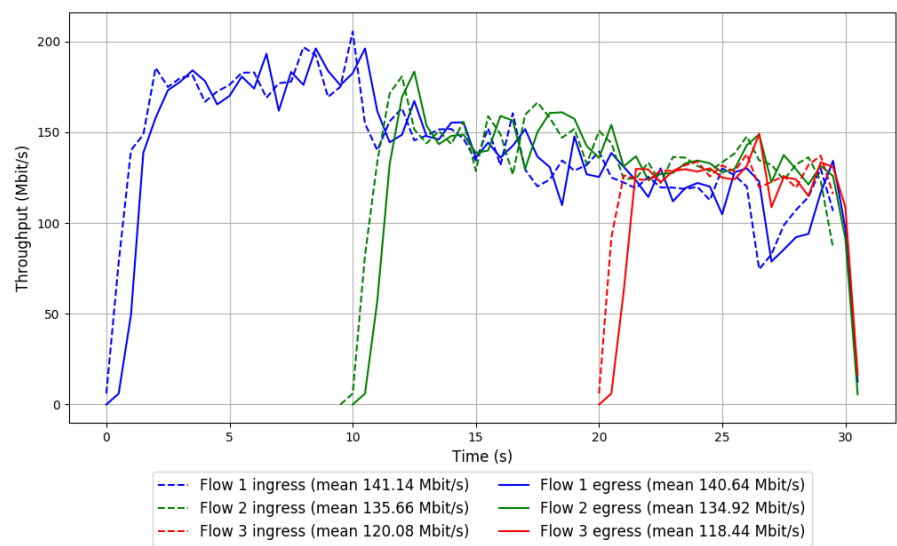


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-29 16:56:48
End at: 2018-06-29 16:57:18
Local clock offset: -0.23 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-06-29 22:26:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 269.92 Mbit/s
95th percentile per-packet one-way delay: 90.177 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 140.64 Mbit/s
95th percentile per-packet one-way delay: 89.647 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 134.92 Mbit/s
95th percentile per-packet one-way delay: 90.324 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 118.44 Mbit/s
95th percentile per-packet one-way delay: 91.385 ms
Loss rate: 1.37%

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

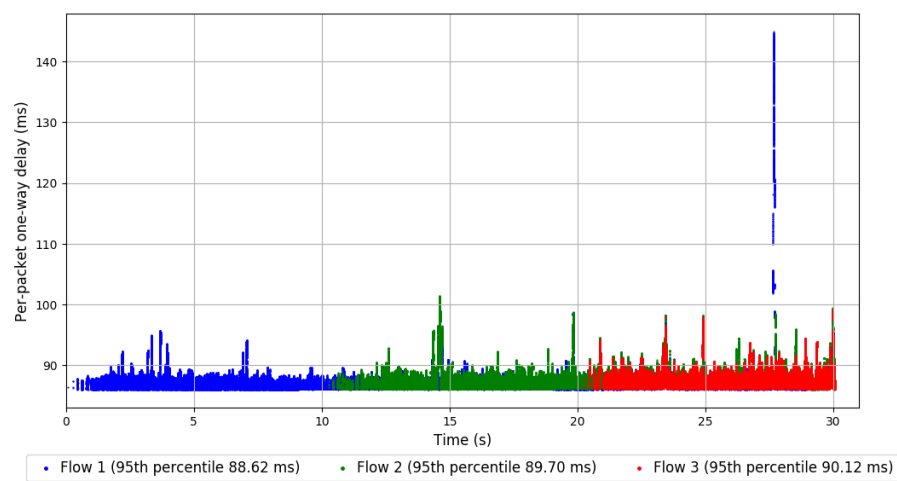
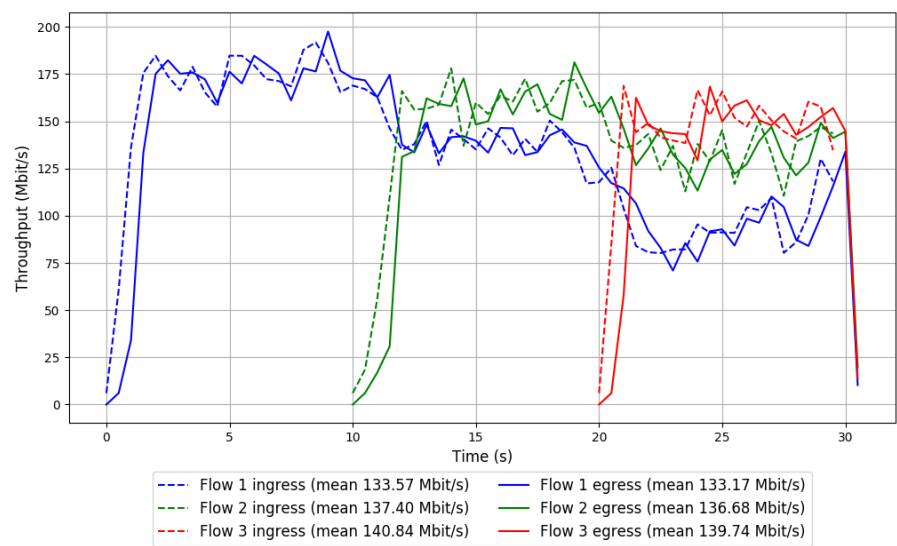


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-29 17:21:25
End at: 2018-06-29 17:21:55
Local clock offset: 0.042 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-06-29 22:26:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.63 Mbit/s
95th percentile per-packet one-way delay: 89.318 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 133.17 Mbit/s
95th percentile per-packet one-way delay: 88.625 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 136.68 Mbit/s
95th percentile per-packet one-way delay: 89.696 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 139.74 Mbit/s
95th percentile per-packet one-way delay: 90.117 ms
Loss rate: 0.77%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-06-29 17:46:08

End at: 2018-06-29 17:46:38

Local clock offset: -0.086 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-06-29 22:26:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.06 Mbit/s

95th percentile per-packet one-way delay: 89.759 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 147.32 Mbit/s

95th percentile per-packet one-way delay: 89.678 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 139.38 Mbit/s

95th percentile per-packet one-way delay: 89.791 ms

Loss rate: 0.47%

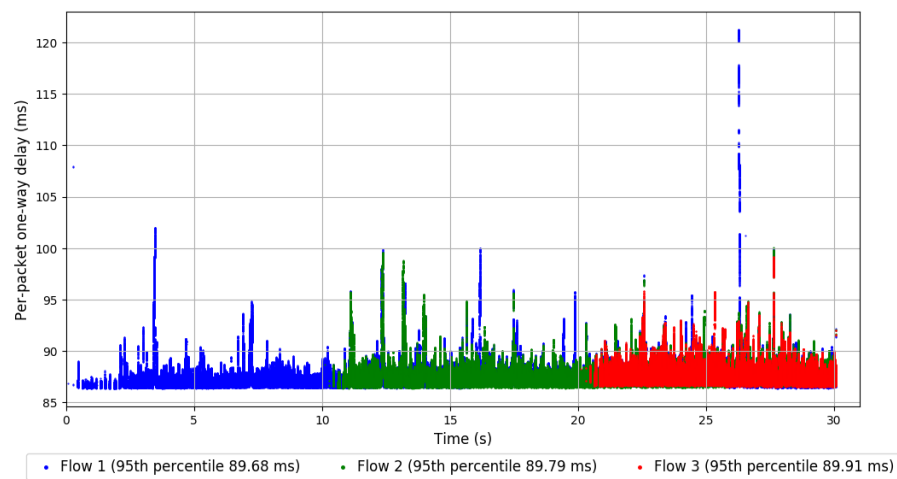
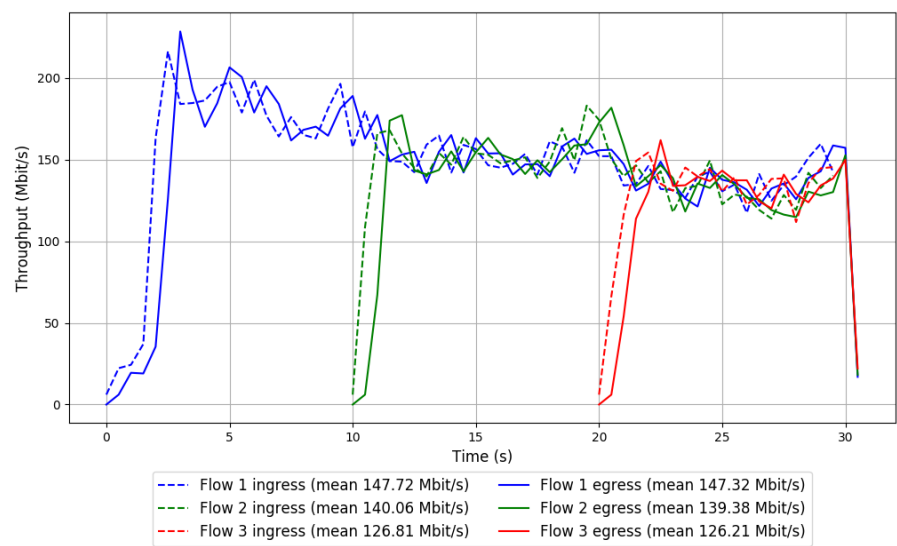
-- Flow 3:

Average throughput: 126.21 Mbit/s

95th percentile per-packet one-way delay: 89.914 ms

Loss rate: 0.43%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-06-29 18:10:53

End at: 2018-06-29 18:11:23

Local clock offset: -0.109 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-06-29 22:26:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.93 Mbit/s

95th percentile per-packet one-way delay: 91.089 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 146.41 Mbit/s

95th percentile per-packet one-way delay: 90.939 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 134.09 Mbit/s

95th percentile per-packet one-way delay: 91.047 ms

Loss rate: 1.03%

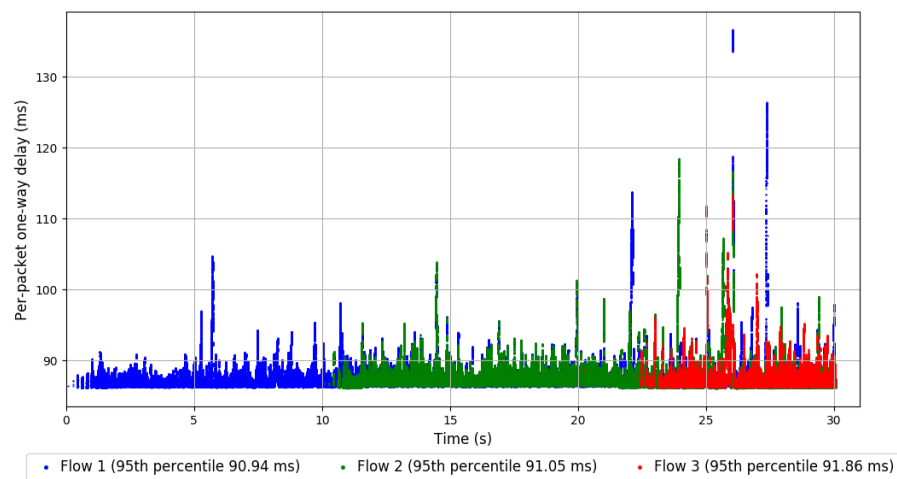
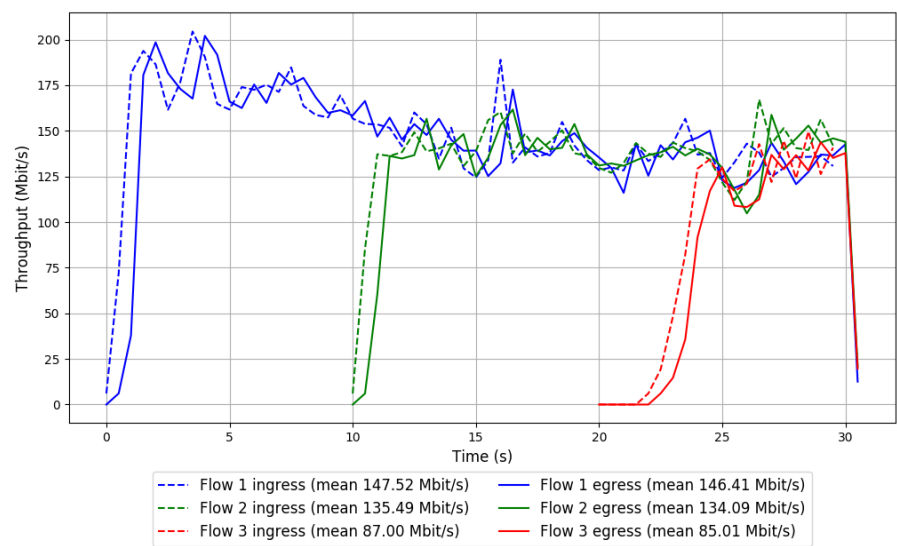
-- Flow 3:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 91.858 ms

Loss rate: 2.28%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-29 18:35:09

End at: 2018-06-29 18:35:39

Local clock offset: 0.082 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-06-29 22:28:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.83 Mbit/s

95th percentile per-packet one-way delay: 89.771 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 141.70 Mbit/s

95th percentile per-packet one-way delay: 89.671 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 131.02 Mbit/s

95th percentile per-packet one-way delay: 89.721 ms

Loss rate: 0.39%

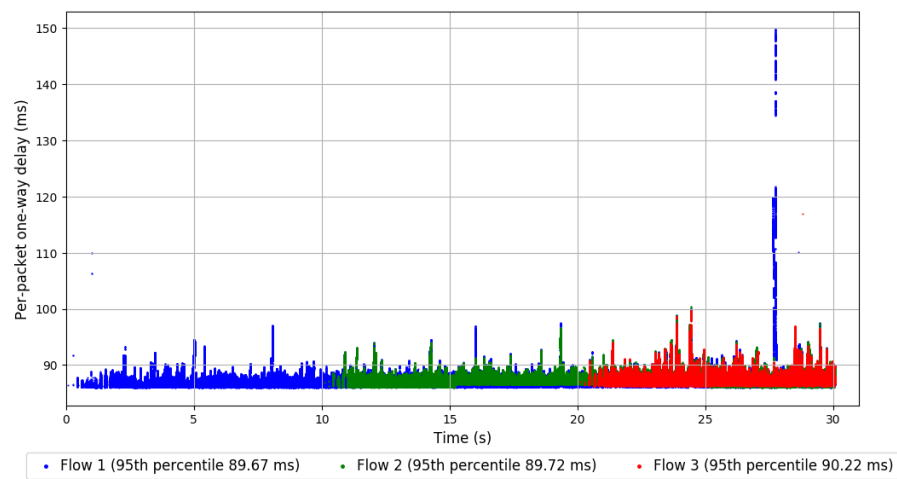
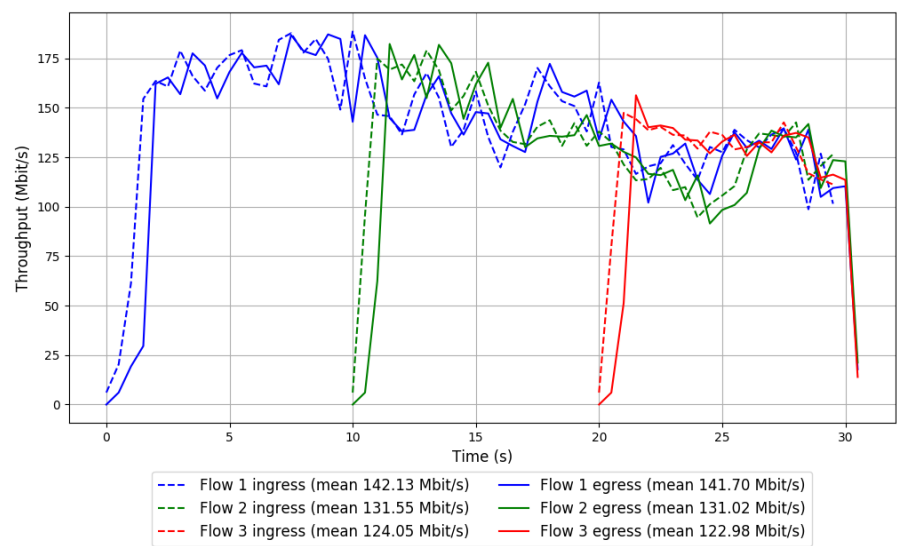
-- Flow 3:

Average throughput: 122.98 Mbit/s

95th percentile per-packet one-way delay: 90.215 ms

Loss rate: 0.85%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-29 18:59:21

End at: 2018-06-29 18:59:51

Local clock offset: -0.132 ms

Remote clock offset: 0.964 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.53 Mbit/s

95th percentile per-packet one-way delay: 90.471 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 152.51 Mbit/s

95th percentile per-packet one-way delay: 90.182 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 143.41 Mbit/s

95th percentile per-packet one-way delay: 90.087 ms

Loss rate: 0.40%

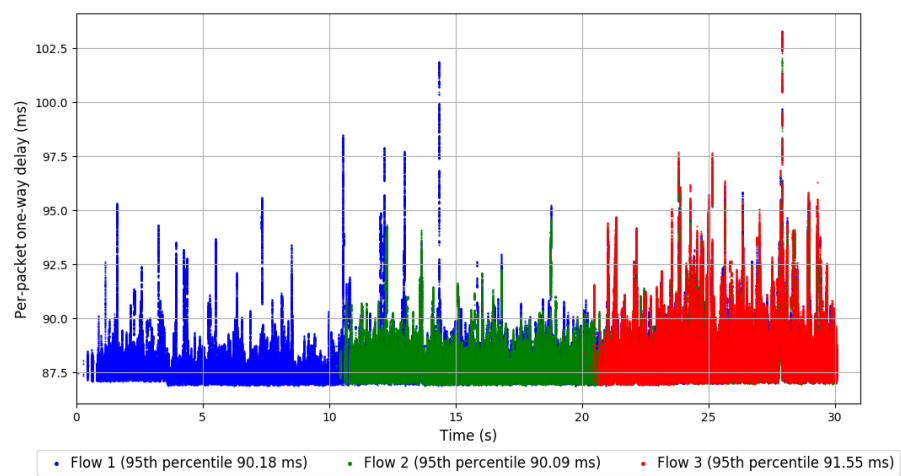
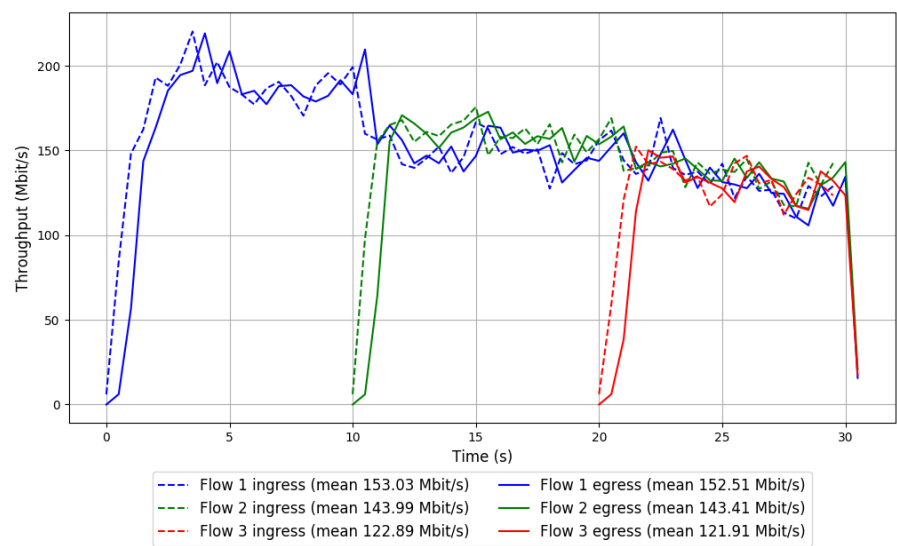
-- Flow 3:

Average throughput: 121.91 Mbit/s

95th percentile per-packet one-way delay: 91.554 ms

Loss rate: 0.81%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-29 19:24:02

End at: 2018-06-29 19:24:32

Local clock offset: -0.107 ms

Remote clock offset: 0.2 ms

Below is generated by plot.py at 2018-06-29 22:32:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.03 Mbit/s

95th percentile per-packet one-way delay: 90.708 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 150.09 Mbit/s

95th percentile per-packet one-way delay: 90.417 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 132.63 Mbit/s

95th percentile per-packet one-way delay: 90.840 ms

Loss rate: 0.50%

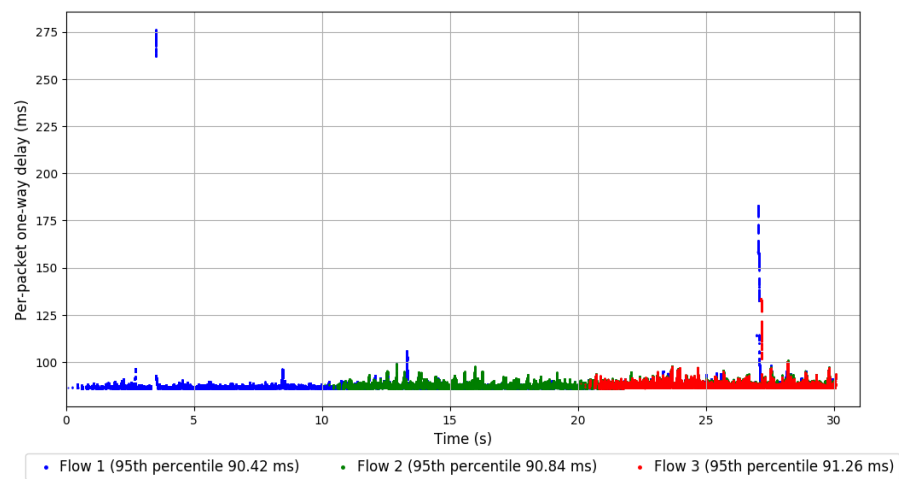
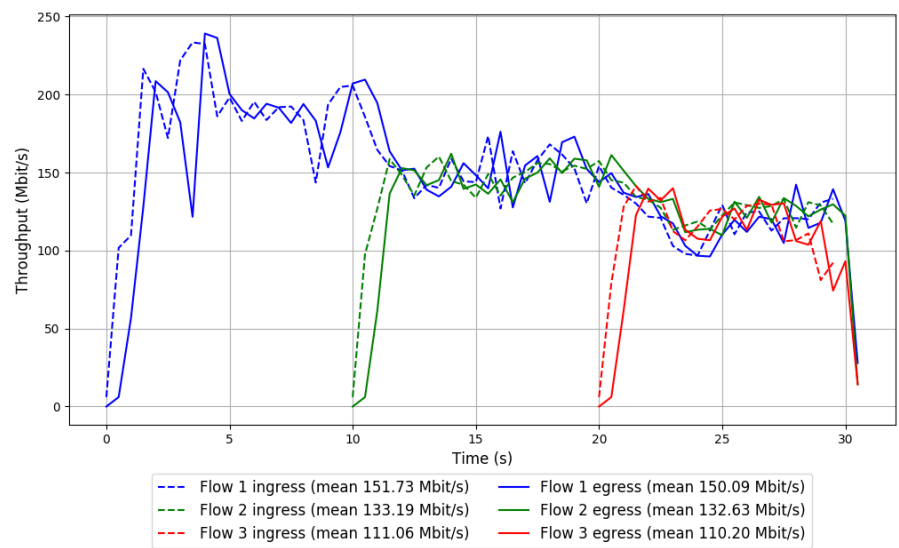
-- Flow 3:

Average throughput: 110.20 Mbit/s

95th percentile per-packet one-way delay: 91.259 ms

Loss rate: 0.78%

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

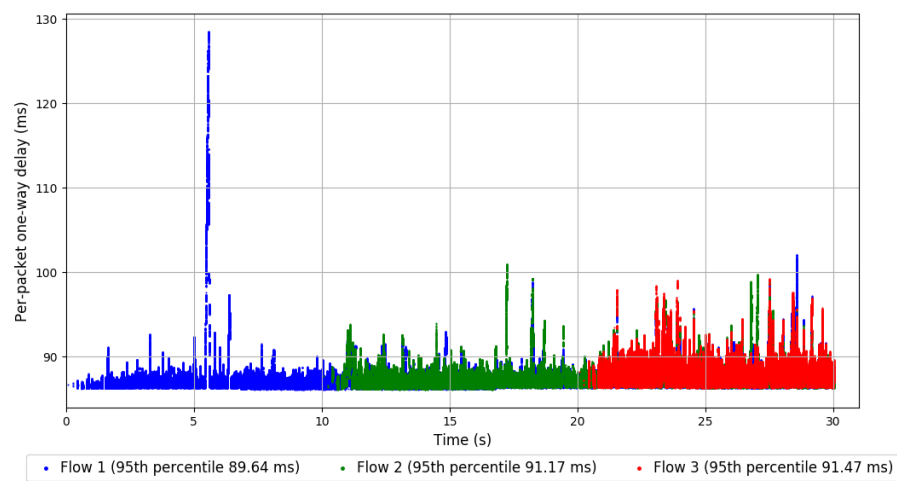
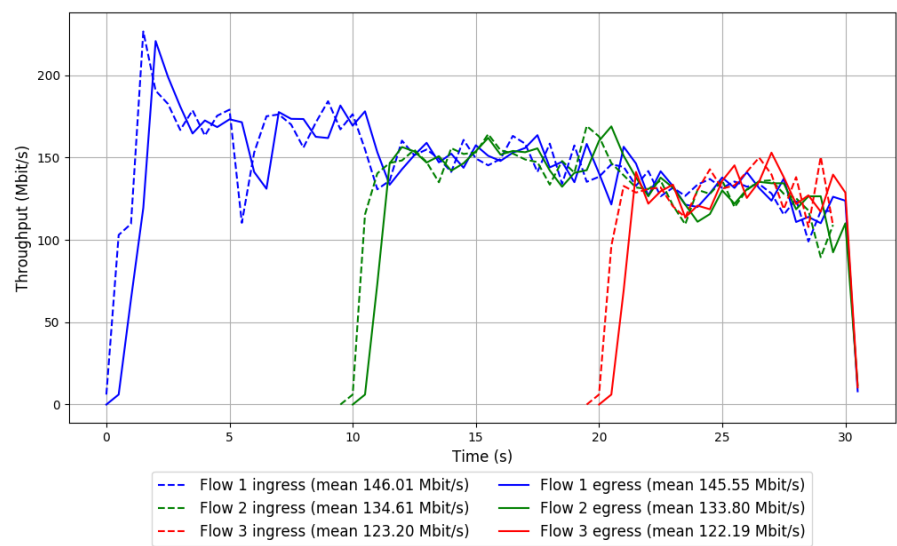


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-29 19:48:37
End at: 2018-06-29 19:49:07
Local clock offset: -0.128 ms
Remote clock offset: -0.283 ms

Below is generated by plot.py at 2018-06-29 22:33:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.34 Mbit/s
95th percentile per-packet one-way delay: 90.566 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 145.55 Mbit/s
95th percentile per-packet one-way delay: 89.641 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 133.80 Mbit/s
95th percentile per-packet one-way delay: 91.174 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 122.19 Mbit/s
95th percentile per-packet one-way delay: 91.473 ms
Loss rate: 0.82%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-29 20:12:58

End at: 2018-06-29 20:13:28

Local clock offset: 0.048 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-29 22:35:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 278.80 Mbit/s

95th percentile per-packet one-way delay: 89.978 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 144.82 Mbit/s

95th percentile per-packet one-way delay: 89.641 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 138.74 Mbit/s

95th percentile per-packet one-way delay: 90.236 ms

Loss rate: 0.50%

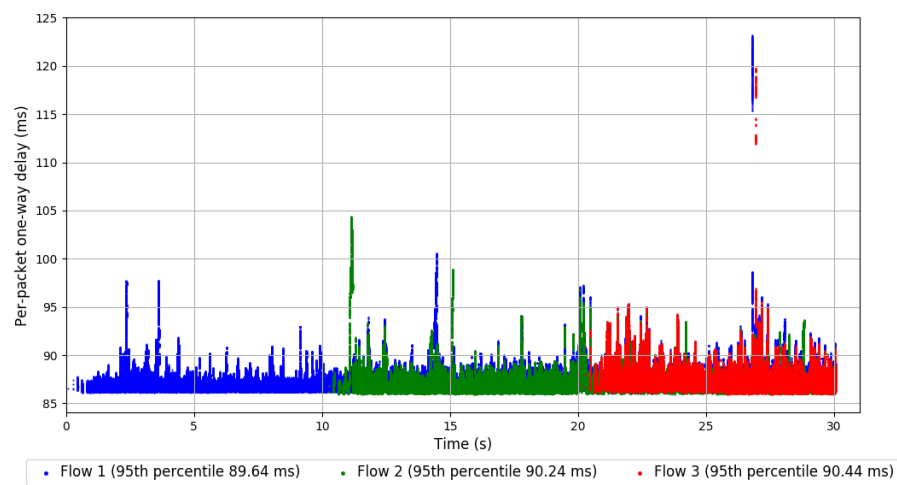
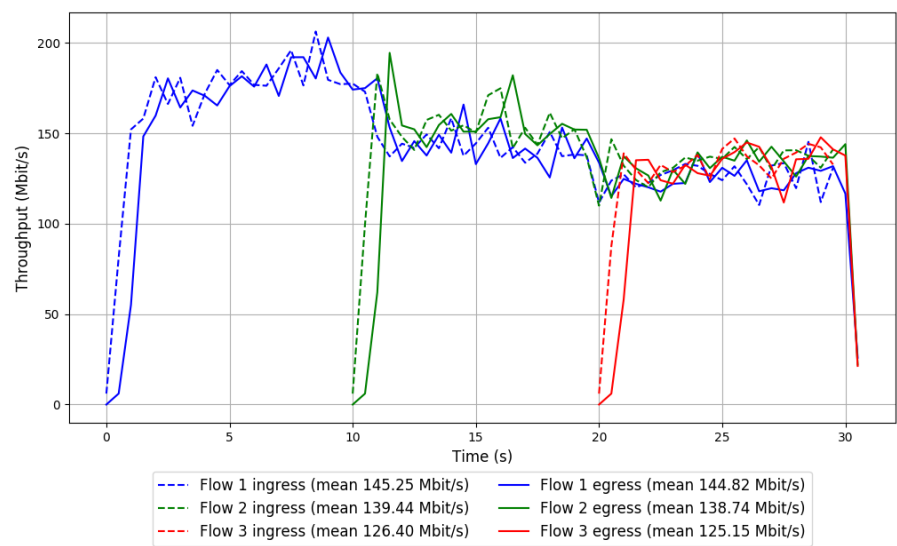
-- Flow 3:

Average throughput: 125.15 Mbit/s

95th percentile per-packet one-way delay: 90.438 ms

Loss rate: 0.98%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-29 20:37:54

End at: 2018-06-29 20:38:24

Local clock offset: 0.227 ms

Remote clock offset: 0.191 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.25 Mbit/s

95th percentile per-packet one-way delay: 90.030 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 149.73 Mbit/s

95th percentile per-packet one-way delay: 89.430 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 136.54 Mbit/s

95th percentile per-packet one-way delay: 89.965 ms

Loss rate: 0.53%

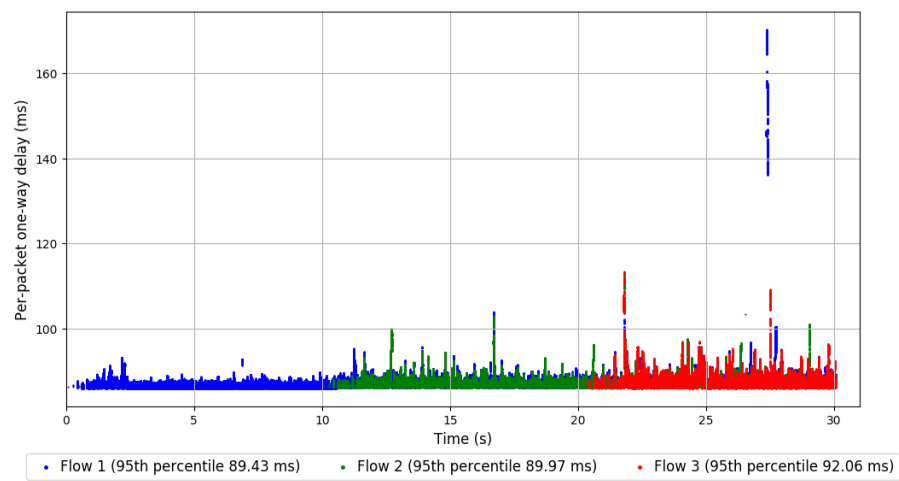
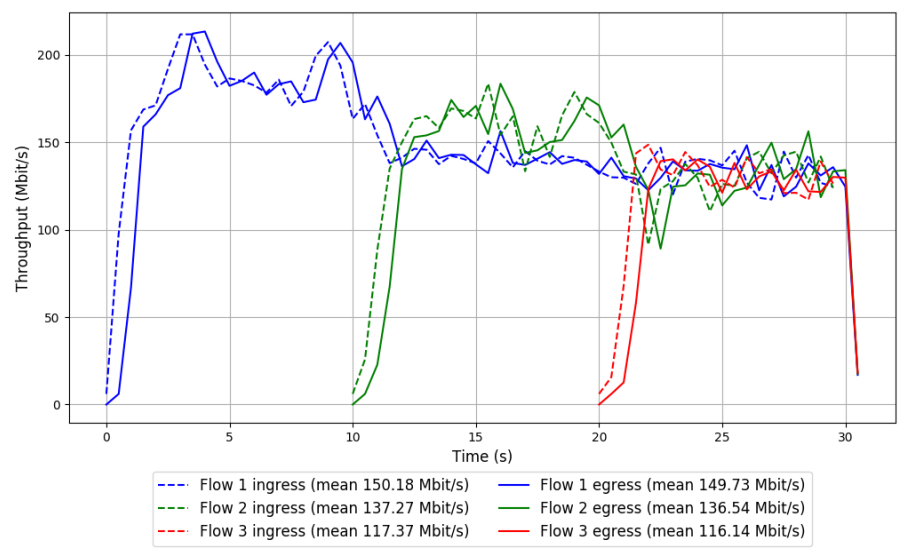
-- Flow 3:

Average throughput: 116.14 Mbit/s

95th percentile per-packet one-way delay: 92.056 ms

Loss rate: 1.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-29 16:43:07

End at: 2018-06-29 16:43:37

Local clock offset: -0.015 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.21 Mbit/s

95th percentile per-packet one-way delay: 97.958 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 36.90 Mbit/s

95th percentile per-packet one-way delay: 100.517 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 53.43 Mbit/s

95th percentile per-packet one-way delay: 88.247 ms

Loss rate: 0.00%

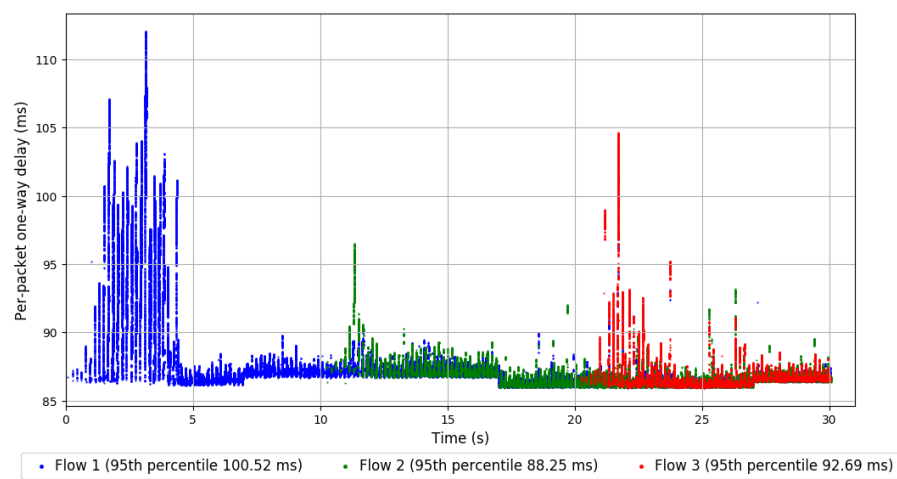
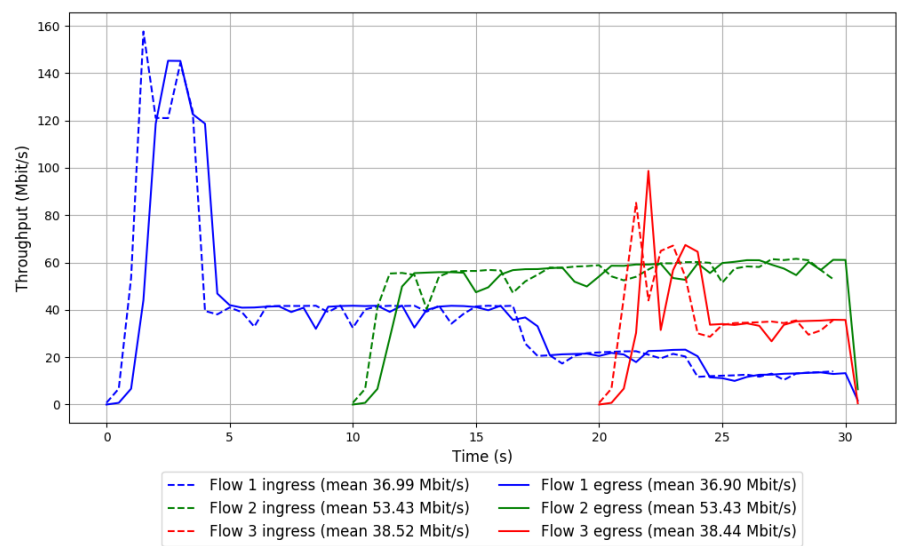
-- Flow 3:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 92.685 ms

Loss rate: 0.19%

Run 1: Report of TCP Vegas — Data Link

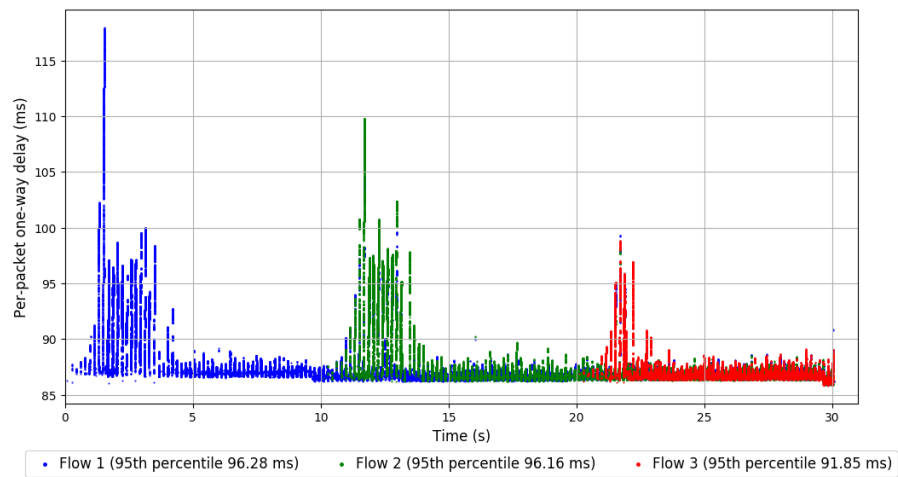
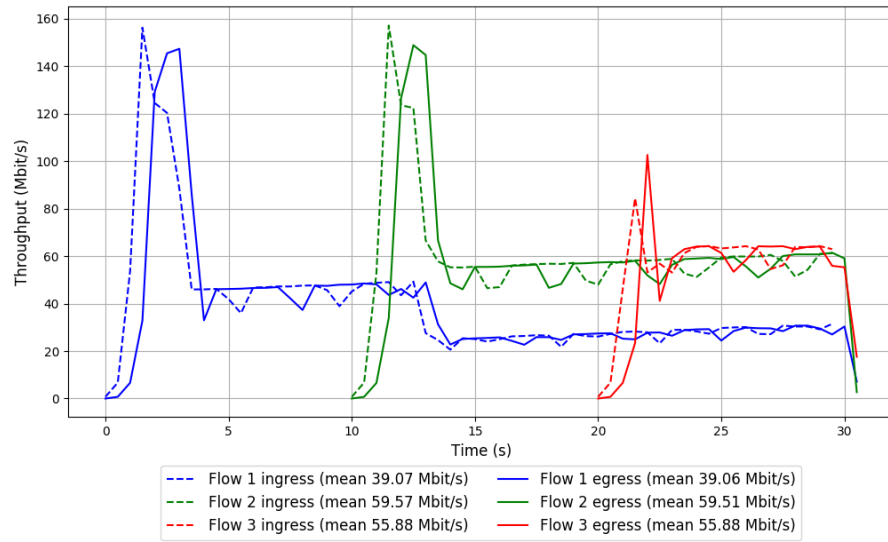


Run 2: Statistics of TCP Vegas

Start at: 2018-06-29 17:07:44
End at: 2018-06-29 17:08:14
Local clock offset: 0.25 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-06-29 22:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 95.780 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 96.275 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 59.51 Mbit/s
95th percentile per-packet one-way delay: 96.161 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 55.88 Mbit/s
95th percentile per-packet one-way delay: 91.850 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

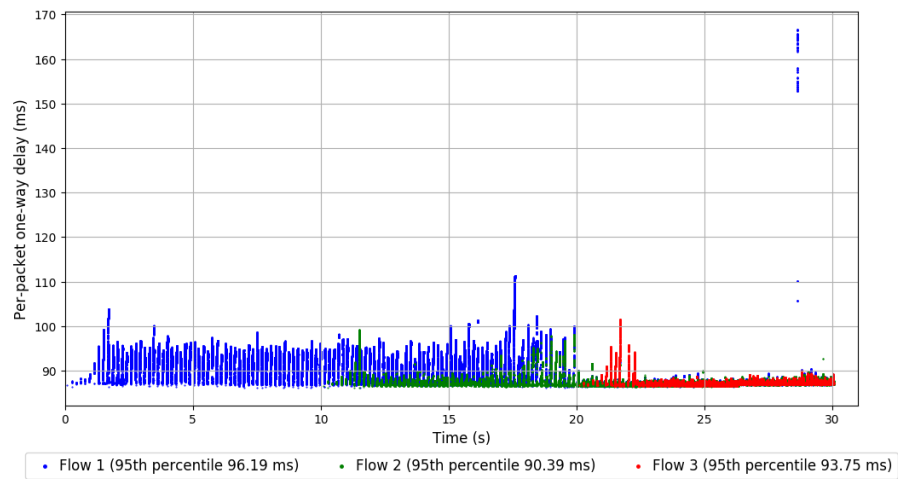
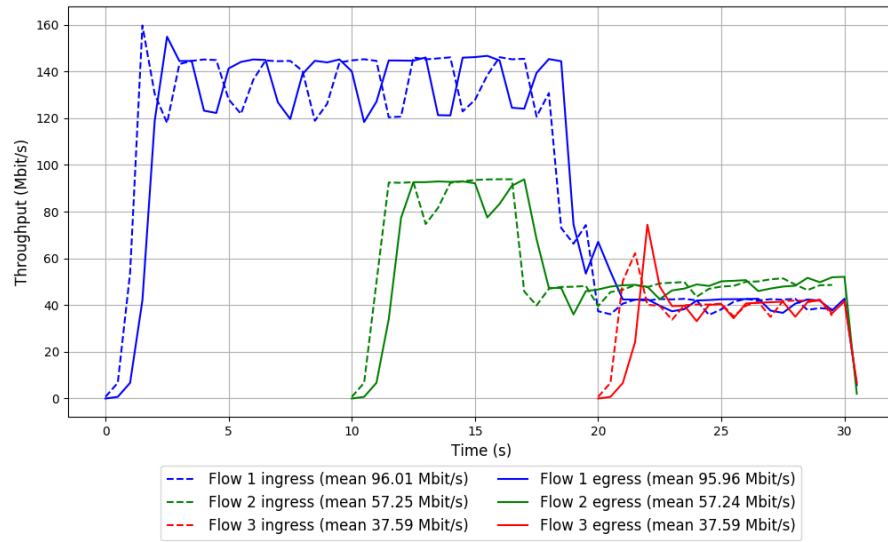


Run 3: Statistics of TCP Vegas

Start at: 2018-06-29 17:32:28
End at: 2018-06-29 17:32:58
Local clock offset: 0.03 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-29 22:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.54 Mbit/s
95th percentile per-packet one-way delay: 95.793 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 96.191 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 57.24 Mbit/s
95th percentile per-packet one-way delay: 90.391 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 37.59 Mbit/s
95th percentile per-packet one-way delay: 93.752 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-06-29 17:57:14

End at: 2018-06-29 17:57:44

Local clock offset: 0.242 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.66 Mbit/s

95th percentile per-packet one-way delay: 88.886 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.23 Mbit/s

95th percentile per-packet one-way delay: 88.814 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: 87.394 ms

Loss rate: 0.00%

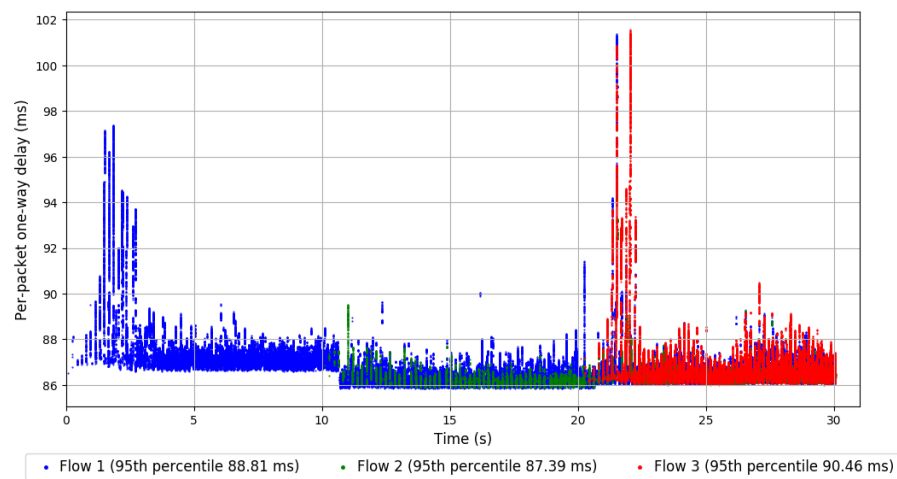
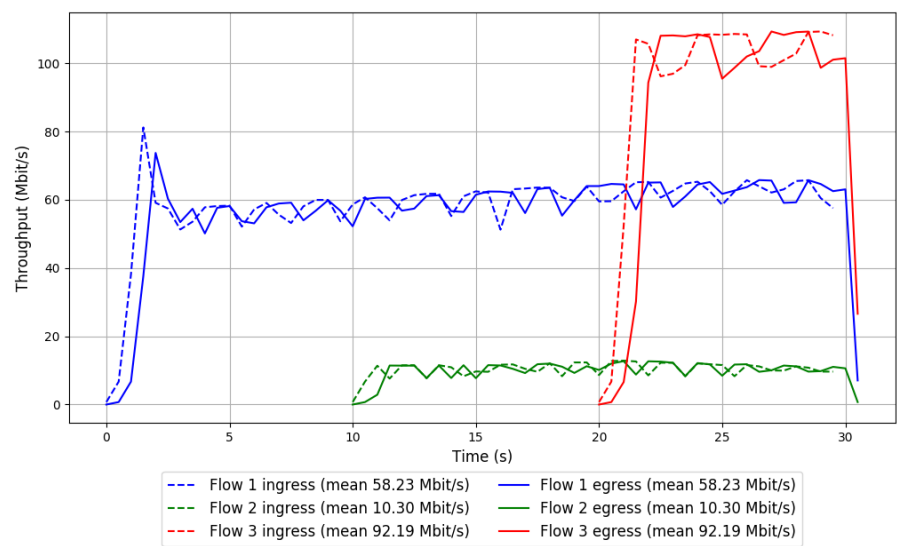
-- Flow 3:

Average throughput: 92.19 Mbit/s

95th percentile per-packet one-way delay: 90.464 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-29 18:21:34

End at: 2018-06-29 18:22:04

Local clock offset: -0.018 ms

Remote clock offset: 0.112 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.18 Mbit/s

95th percentile per-packet one-way delay: 94.695 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 44.13 Mbit/s

95th percentile per-packet one-way delay: 89.828 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 92.538 ms

Loss rate: 0.14%

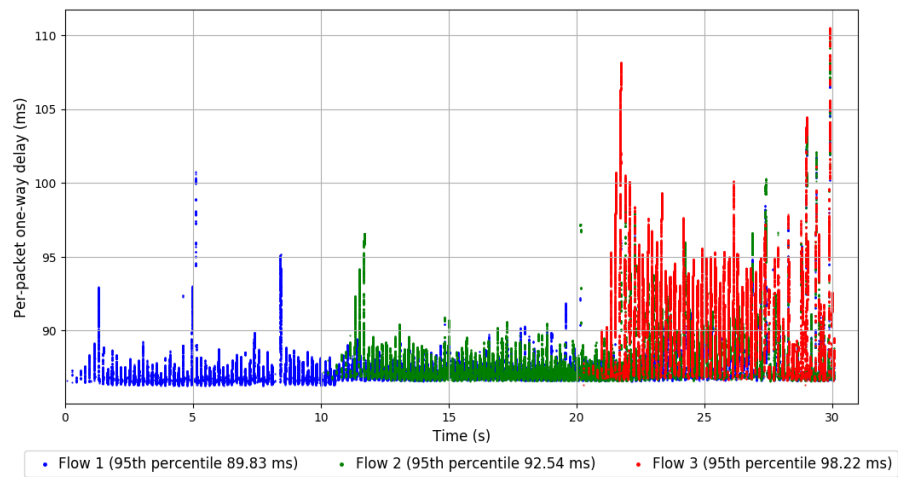
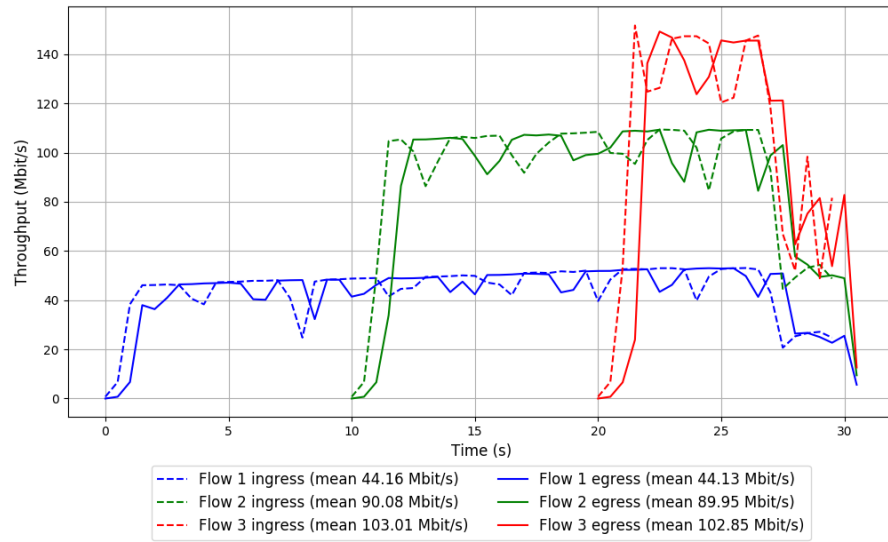
-- Flow 3:

Average throughput: 102.85 Mbit/s

95th percentile per-packet one-way delay: 98.224 ms

Loss rate: 0.13%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-29 18:45:44

End at: 2018-06-29 18:46:14

Local clock offset: 0.191 ms

Remote clock offset: 0.11 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.19 Mbit/s

95th percentile per-packet one-way delay: 94.163 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 104.65 Mbit/s

95th percentile per-packet one-way delay: 92.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 95.322 ms

Loss rate: 0.12%

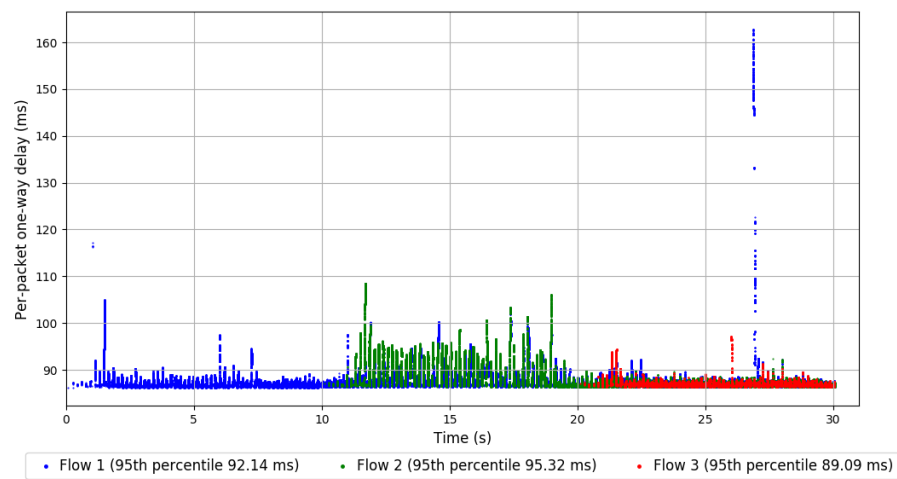
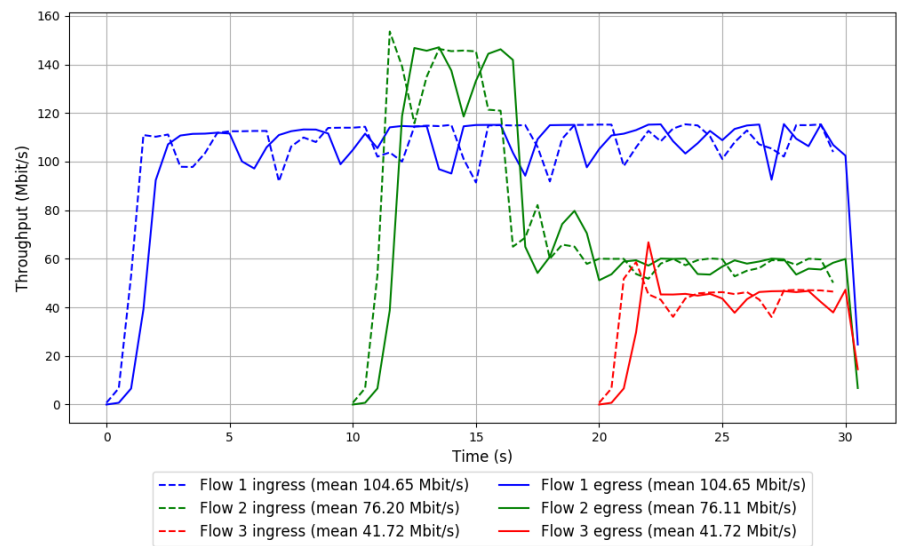
-- Flow 3:

Average throughput: 41.72 Mbit/s

95th percentile per-packet one-way delay: 89.086 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-29 19:10:17

End at: 2018-06-29 19:10:47

Local clock offset: 0.01 ms

Remote clock offset: 0.128 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.92 Mbit/s

95th percentile per-packet one-way delay: 96.705 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 95.547 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 114.75 Mbit/s

95th percentile per-packet one-way delay: 97.833 ms

Loss rate: 0.09%

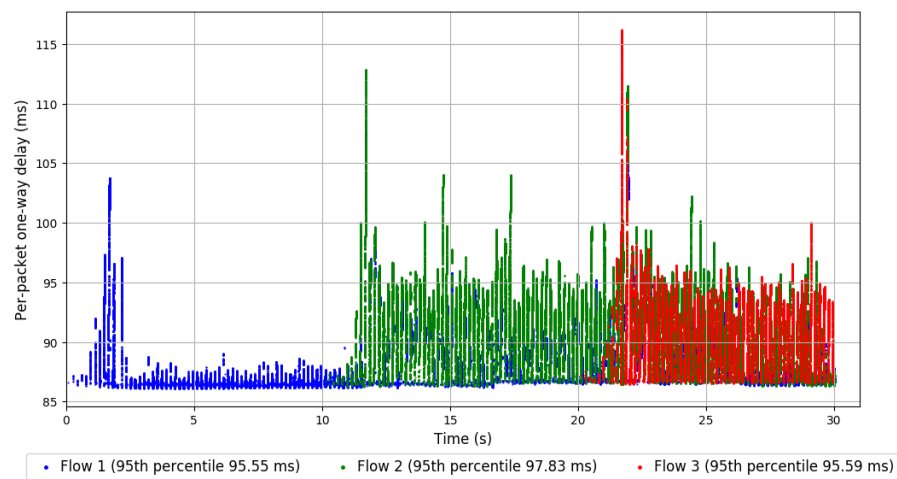
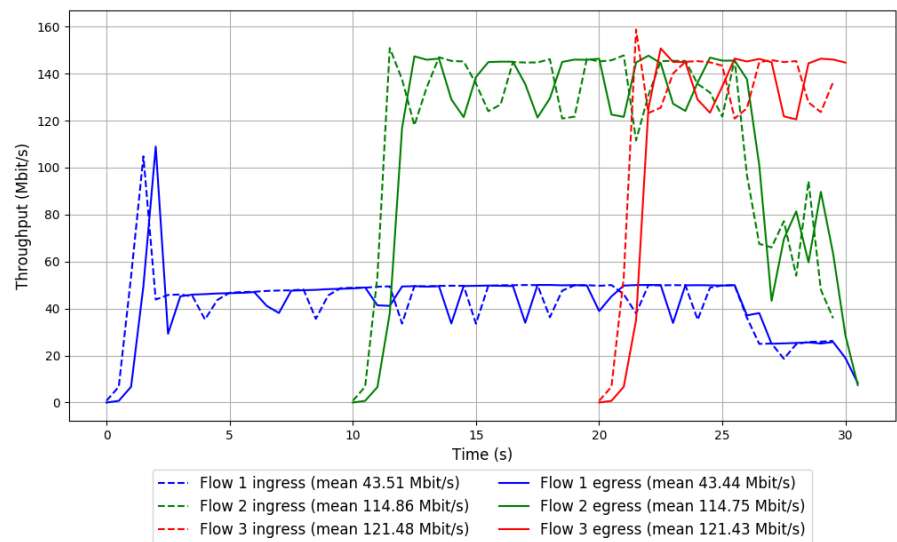
-- Flow 3:

Average throughput: 121.43 Mbit/s

95th percentile per-packet one-way delay: 95.592 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

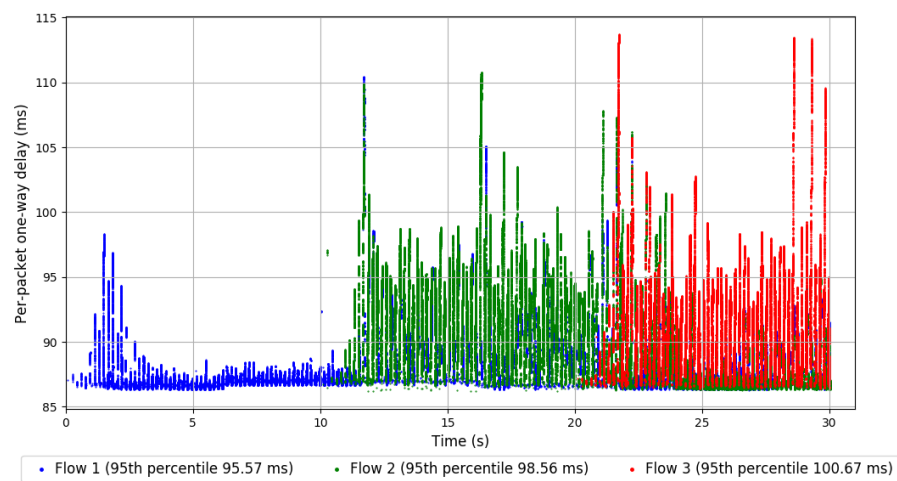
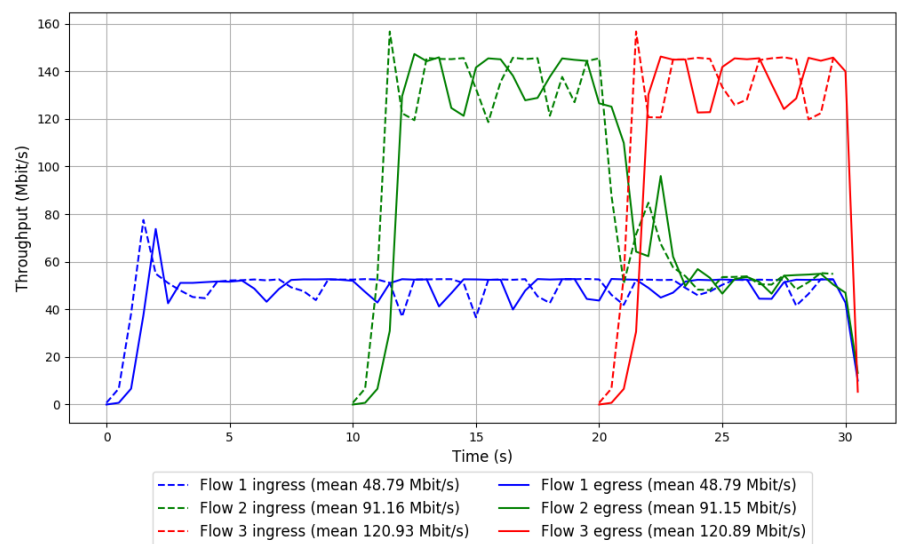


Run 8: Statistics of TCP Vegas

Start at: 2018-06-29 19:34:58
End at: 2018-06-29 19:35:28
Local clock offset: -0.1 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-29 22:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.43 Mbit/s
95th percentile per-packet one-way delay: 98.157 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 48.79 Mbit/s
95th percentile per-packet one-way delay: 95.570 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.15 Mbit/s
95th percentile per-packet one-way delay: 98.555 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 120.89 Mbit/s
95th percentile per-packet one-way delay: 100.671 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

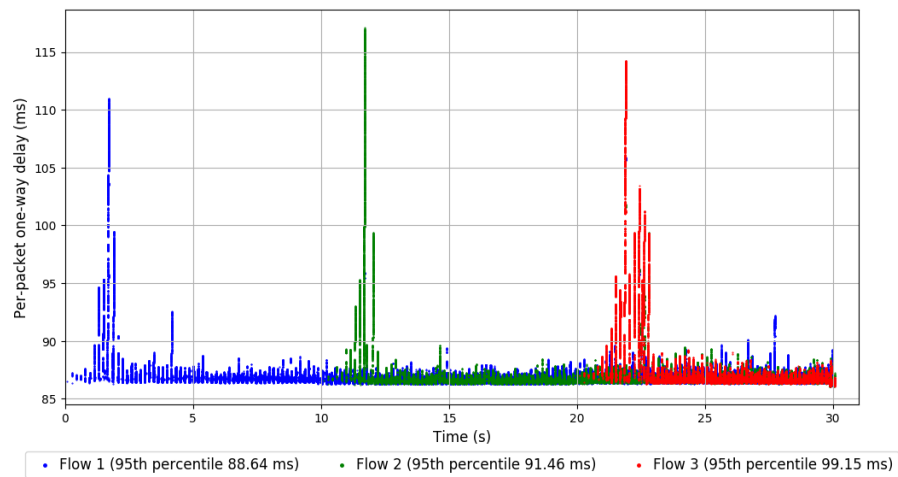
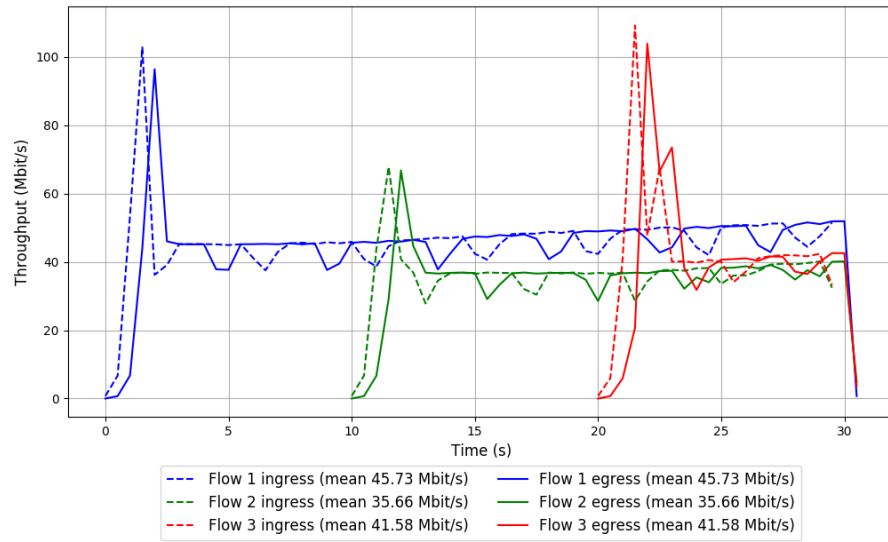


Run 9: Statistics of TCP Vegas

Start at: 2018-06-29 19:59:24
End at: 2018-06-29 19:59:54
Local clock offset: 0.128 ms
Remote clock offset: -0.327 ms

Below is generated by plot.py at 2018-06-29 22:35:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 93.043 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.73 Mbit/s
95th percentile per-packet one-way delay: 88.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.66 Mbit/s
95th percentile per-packet one-way delay: 91.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 99.148 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-06-29 20:24:08

End at: 2018-06-29 20:24:38

Local clock offset: -0.029 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-06-29 22:35:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 159.19 Mbit/s

95th percentile per-packet one-way delay: 98.009 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 97.926 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 98.886 ms

Loss rate: 0.00%

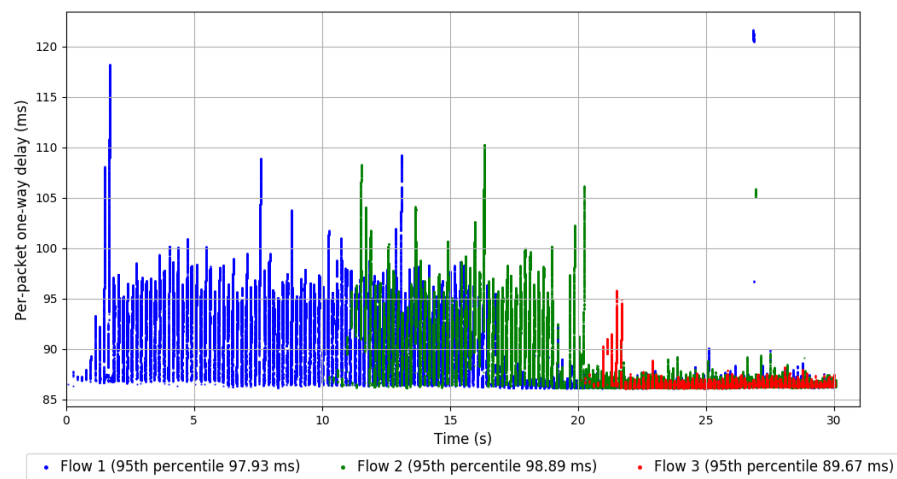
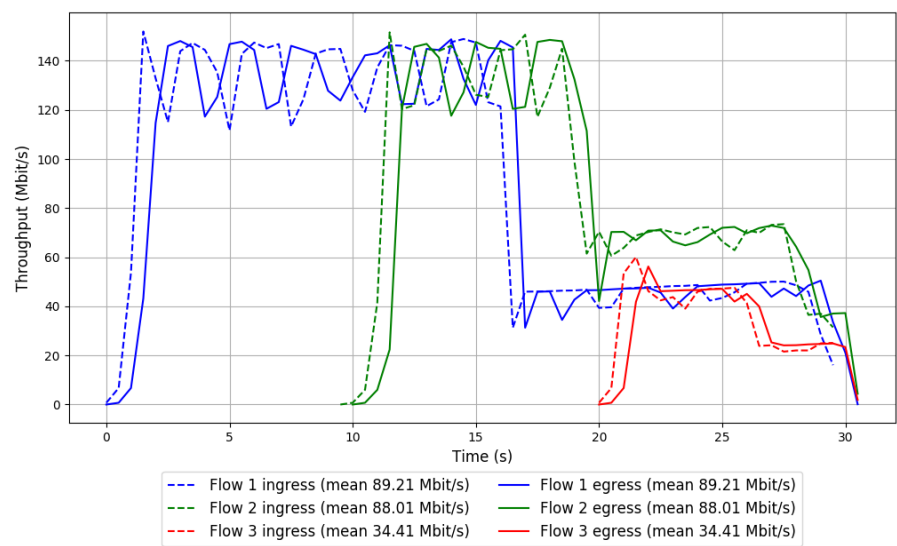
-- Flow 3:

Average throughput: 34.41 Mbit/s

95th percentile per-packet one-way delay: 89.666 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

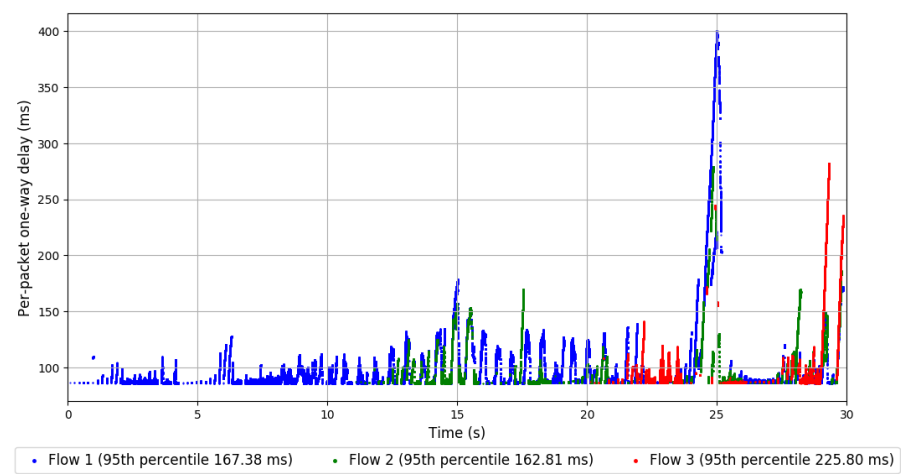
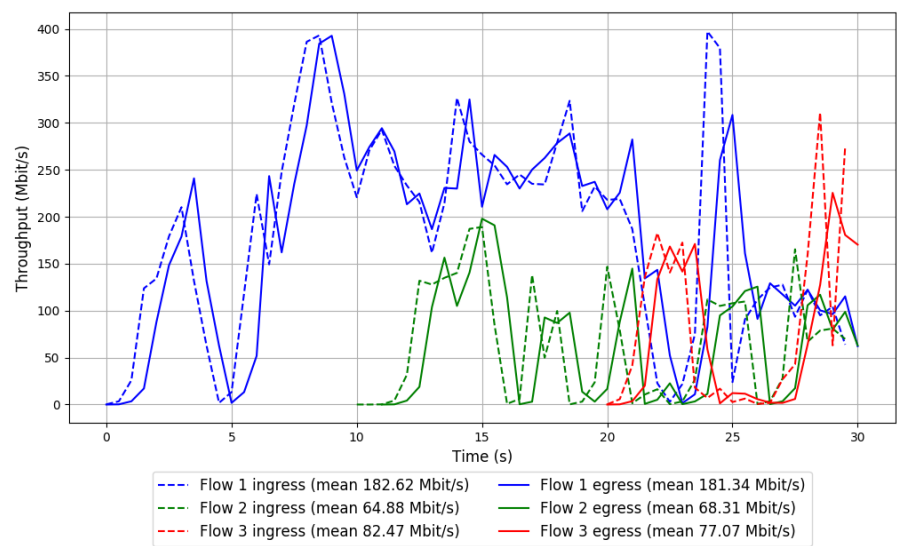


Run 1: Statistics of Verus

Start at: 2018-06-29 16:40:16
End at: 2018-06-29 16:40:46
Local clock offset: 0.241 ms
Remote clock offset: -0.163 ms

Below is generated by plot.py at 2018-06-29 22:37:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.46 Mbit/s
95th percentile per-packet one-way delay: 173.938 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 181.34 Mbit/s
95th percentile per-packet one-way delay: 167.382 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 162.805 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 225.804 ms
Loss rate: 6.53%

Run 1: Report of Verus — Data Link

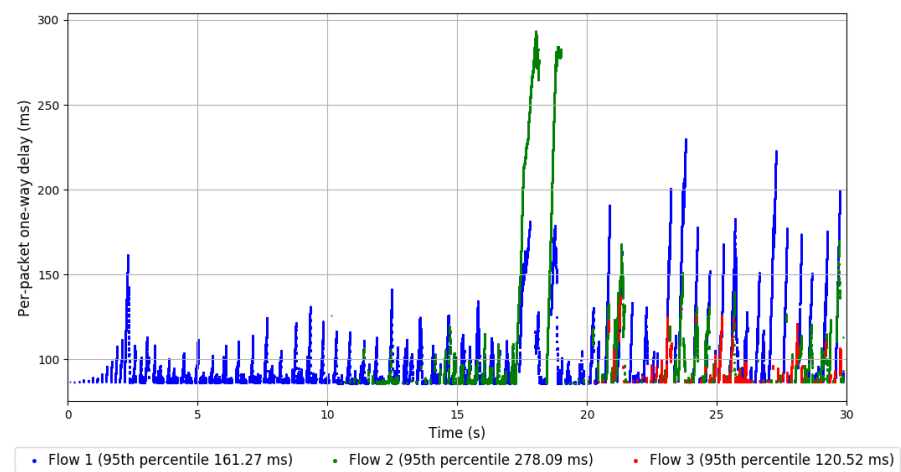
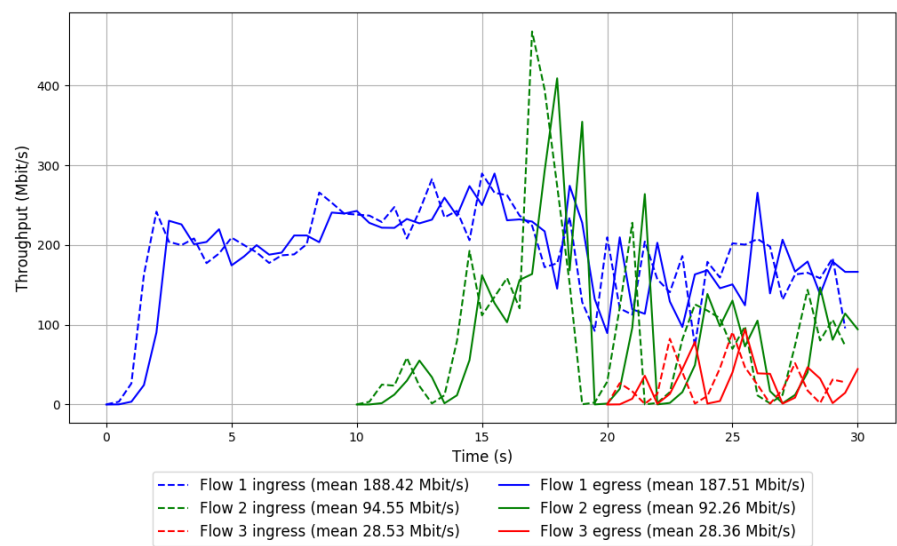


Run 2: Statistics of Verus

Start at: 2018-06-29 17:04:54
End at: 2018-06-29 17:05:24
Local clock offset: 0.117 ms
Remote clock offset: -0.239 ms

Below is generated by plot.py at 2018-06-29 22:38:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.82 Mbit/s
95th percentile per-packet one-way delay: 207.345 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 187.51 Mbit/s
95th percentile per-packet one-way delay: 161.274 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 92.26 Mbit/s
95th percentile per-packet one-way delay: 278.088 ms
Loss rate: 2.60%
-- Flow 3:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 120.519 ms
Loss rate: 0.40%

Run 2: Report of Verus — Data Link

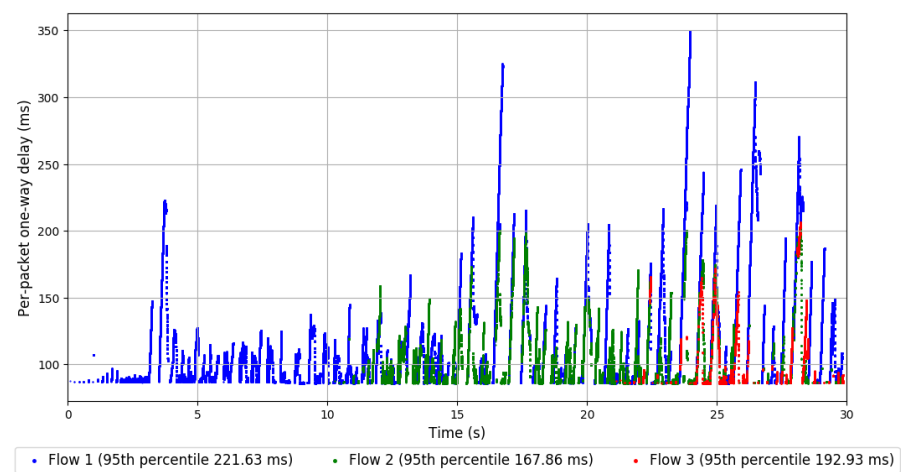
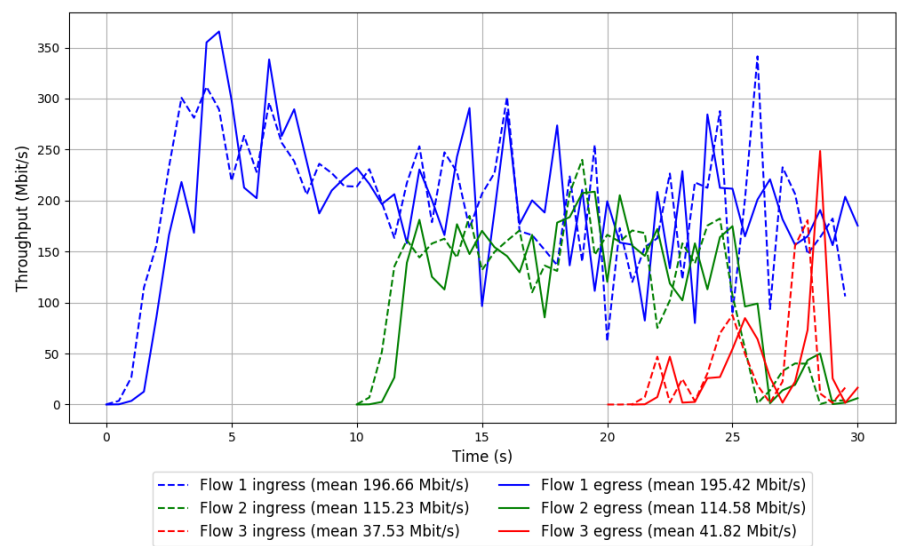


Run 3: Statistics of Verus

Start at: 2018-06-29 17:29:35
End at: 2018-06-29 17:30:05
Local clock offset: 0.079 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-06-29 22:38:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.13 Mbit/s
95th percentile per-packet one-way delay: 208.883 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 195.42 Mbit/s
95th percentile per-packet one-way delay: 221.628 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 114.58 Mbit/s
95th percentile per-packet one-way delay: 167.856 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 41.82 Mbit/s
95th percentile per-packet one-way delay: 192.934 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-06-29 17:54:18

End at: 2018-06-29 17:54:48

Local clock offset: -0.041 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-06-29 22:39:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.92 Mbit/s

95th percentile per-packet one-way delay: 285.718 ms

Loss rate: 5.28%

-- Flow 1:

Average throughput: 223.32 Mbit/s

95th percentile per-packet one-way delay: 220.855 ms

Loss rate: 1.98%

-- Flow 2:

Average throughput: 66.34 Mbit/s

95th percentile per-packet one-way delay: 308.359 ms

Loss rate: 2.95%

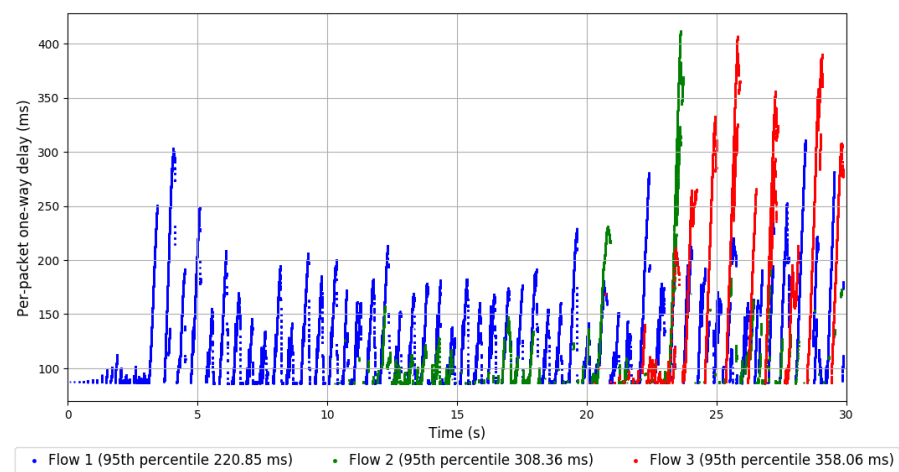
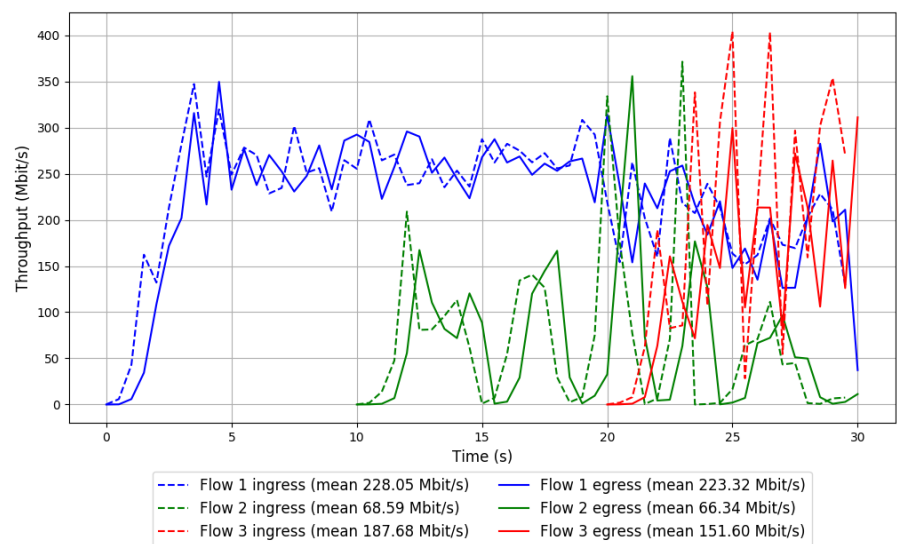
-- Flow 3:

Average throughput: 151.60 Mbit/s

95th percentile per-packet one-way delay: 358.058 ms

Loss rate: 19.18%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-29 18:18:44

End at: 2018-06-29 18:19:14

Local clock offset: 0.135 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-29 22:39:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 235.17 Mbit/s

95th percentile per-packet one-way delay: 158.863 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 143.91 Mbit/s

95th percentile per-packet one-way delay: 124.867 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 91.27 Mbit/s

95th percentile per-packet one-way delay: 159.451 ms

Loss rate: 1.52%

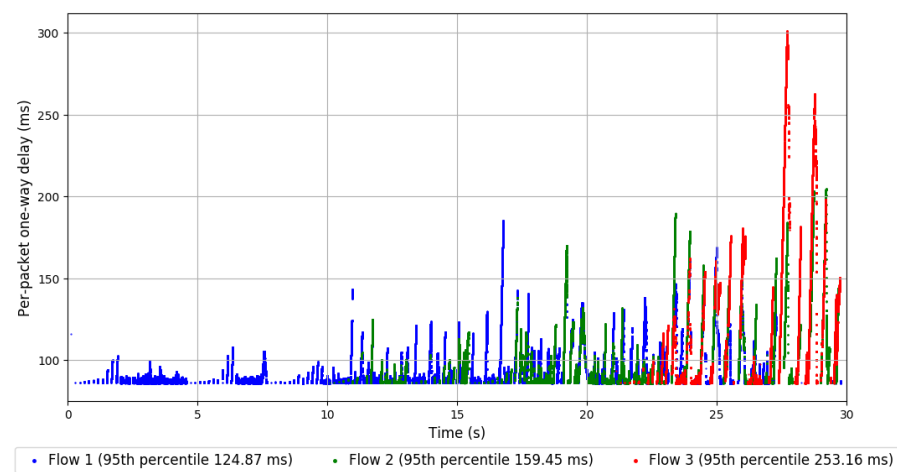
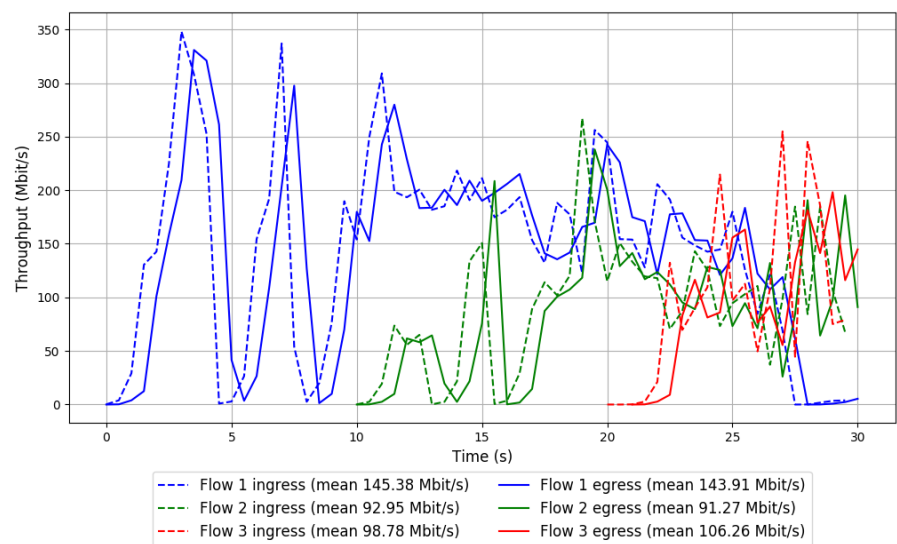
-- Flow 3:

Average throughput: 106.26 Mbit/s

95th percentile per-packet one-way delay: 253.162 ms

Loss rate: 3.03%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-29 18:42:54

End at: 2018-06-29 18:43:24

Local clock offset: -0.015 ms

Remote clock offset: 0.152 ms

Below is generated by plot.py at 2018-06-29 22:40:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.17 Mbit/s

95th percentile per-packet one-way delay: 137.808 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 120.09 Mbit/s

95th percentile per-packet one-way delay: 123.901 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 137.28 Mbit/s

95th percentile per-packet one-way delay: 157.663 ms

Loss rate: 0.97%

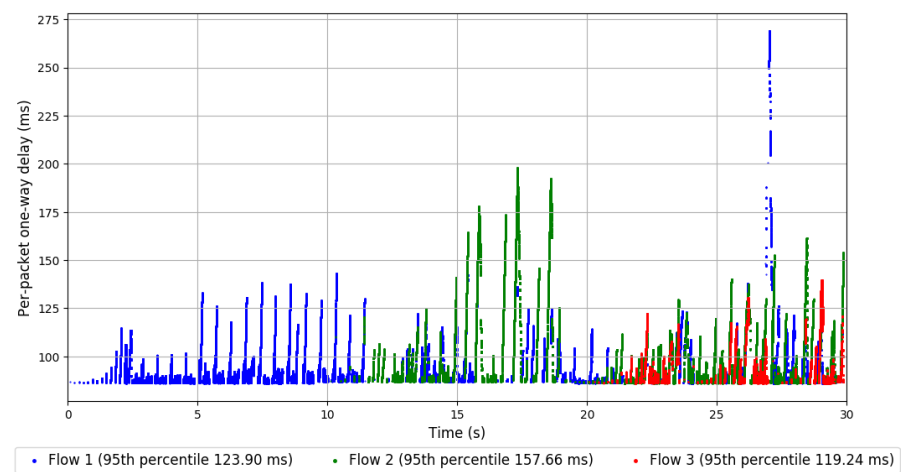
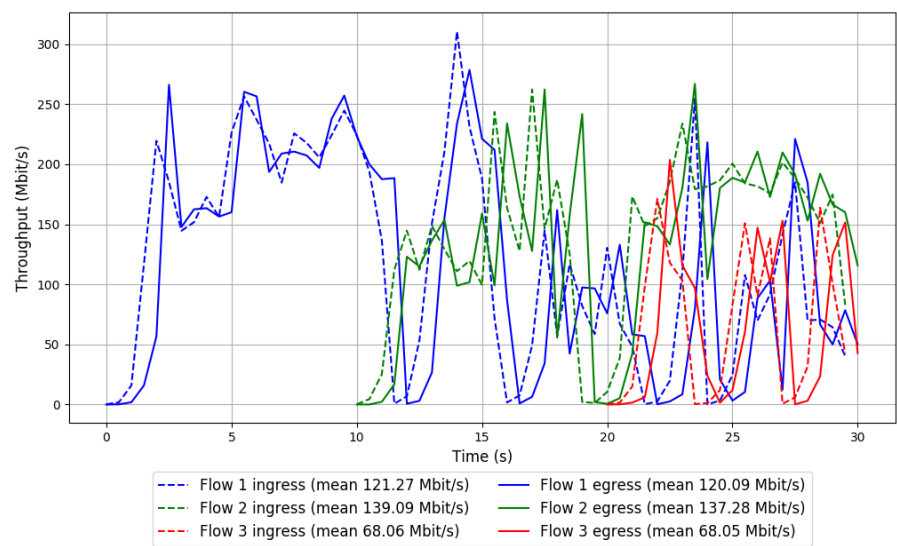
-- Flow 3:

Average throughput: 68.05 Mbit/s

95th percentile per-packet one-way delay: 119.243 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

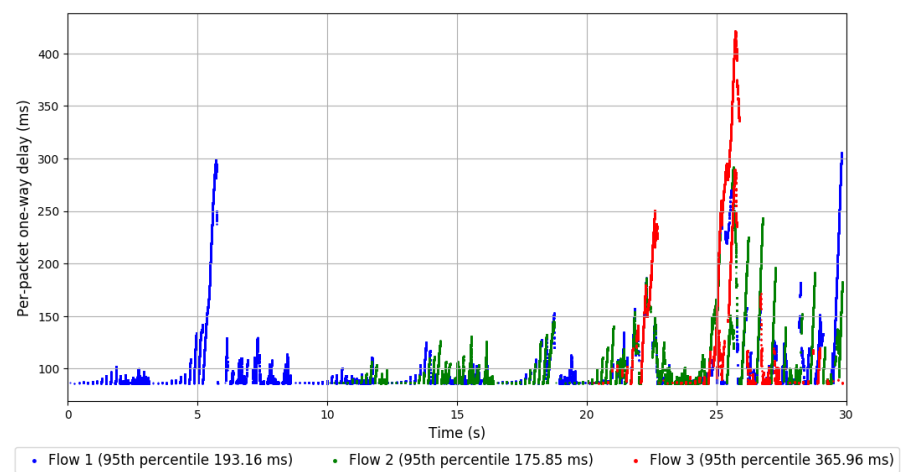
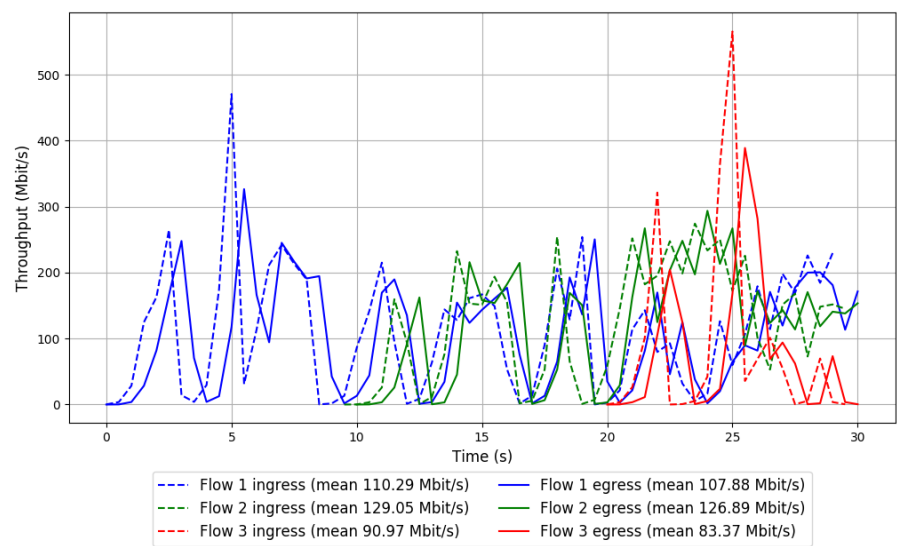


Run 7: Statistics of Verus

Start at: 2018-06-29 19:07:28
End at: 2018-06-29 19:07:58
Local clock offset: -0.022 ms
Remote clock offset: 0.132 ms

Below is generated by plot.py at 2018-06-29 22:40:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 219.28 Mbit/s
95th percentile per-packet one-way delay: 245.823 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 107.88 Mbit/s
95th percentile per-packet one-way delay: 193.163 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 126.89 Mbit/s
95th percentile per-packet one-way delay: 175.849 ms
Loss rate: 1.19%
-- Flow 3:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 365.962 ms
Loss rate: 8.35%

Run 7: Report of Verus — Data Link

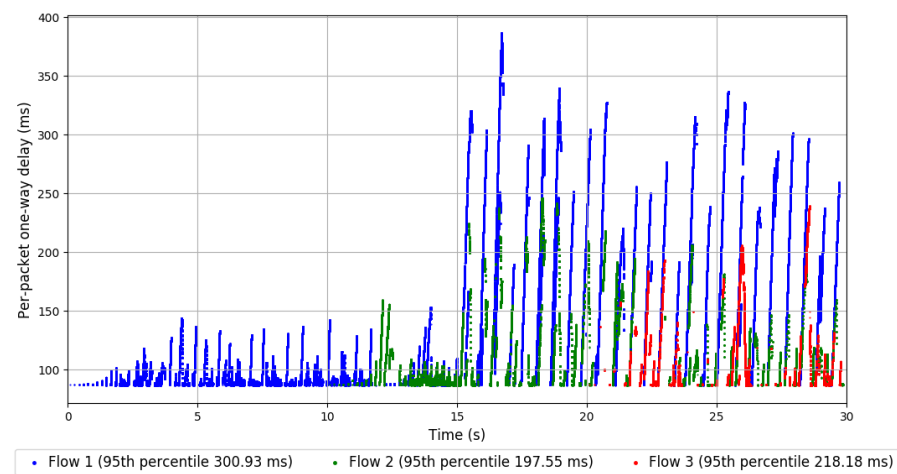
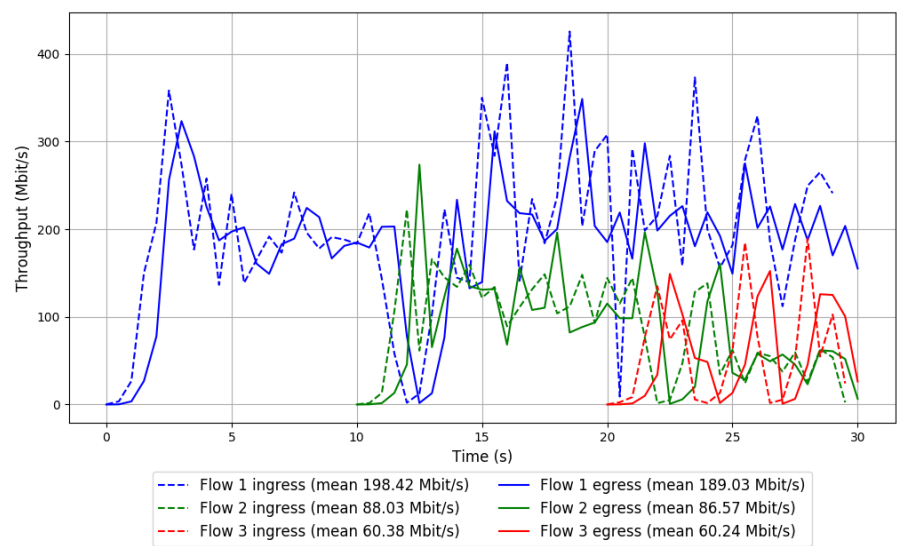


Run 8: Statistics of Verus

Start at: 2018-06-29 19:32:05
End at: 2018-06-29 19:32:35
Local clock offset: -0.017 ms
Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-06-29 22:41:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.06 Mbit/s
95th percentile per-packet one-way delay: 287.181 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 189.03 Mbit/s
95th percentile per-packet one-way delay: 300.927 ms
Loss rate: 4.18%
-- Flow 2:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 197.554 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 60.24 Mbit/s
95th percentile per-packet one-way delay: 218.181 ms
Loss rate: 0.24%

Run 8: Report of Verus — Data Link

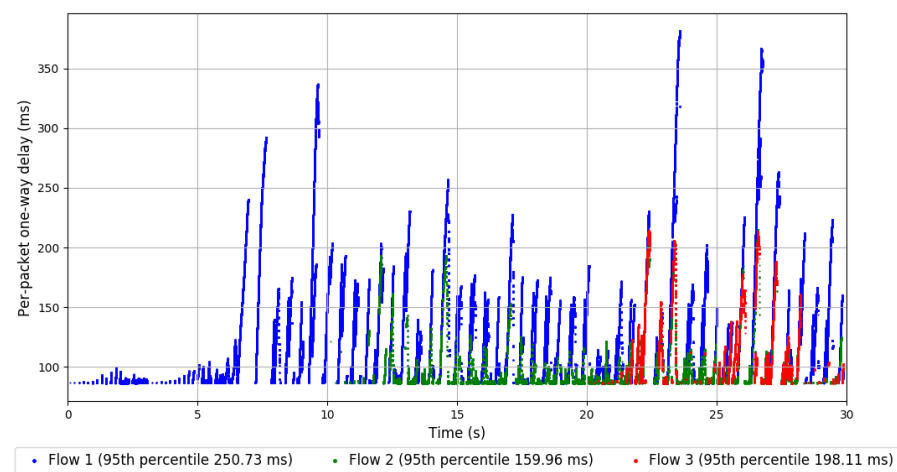
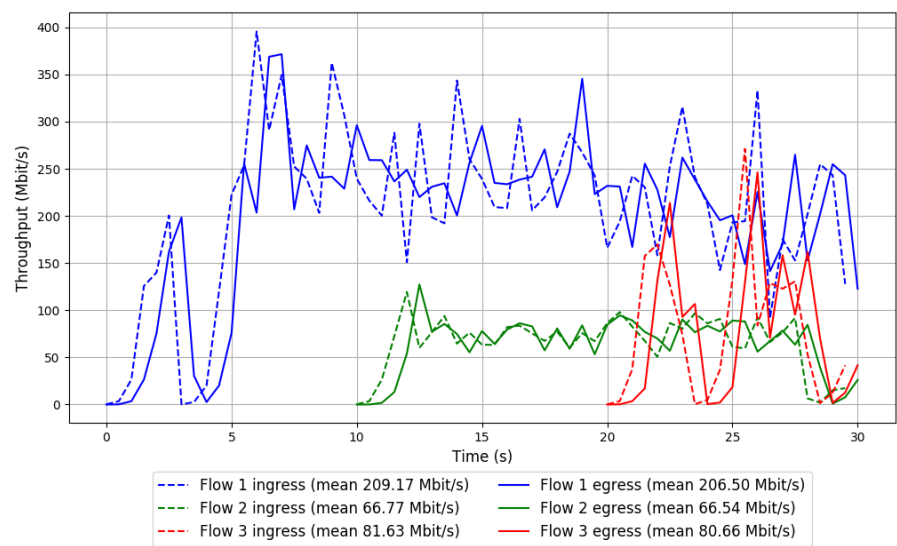


Run 9: Statistics of Verus

Start at: 2018-06-29 19:56:31
End at: 2018-06-29 19:57:01
Local clock offset: 0.128 ms
Remote clock offset: -0.348 ms

Below is generated by plot.py at 2018-06-29 22:42:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.84 Mbit/s
95th percentile per-packet one-way delay: 230.504 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 206.50 Mbit/s
95th percentile per-packet one-way delay: 250.726 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 66.54 Mbit/s
95th percentile per-packet one-way delay: 159.962 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 198.112 ms
Loss rate: 1.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-06-29 20:21:14

End at: 2018-06-29 20:21:44

Local clock offset: 0.204 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-06-29 22:42:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.41 Mbit/s

95th percentile per-packet one-way delay: 293.517 ms

Loss rate: 4.46%

-- Flow 1:

Average throughput: 168.80 Mbit/s

95th percentile per-packet one-way delay: 200.381 ms

Loss rate: 0.80%

-- Flow 2:

Average throughput: 139.69 Mbit/s

95th percentile per-packet one-way delay: 361.265 ms

Loss rate: 10.91%

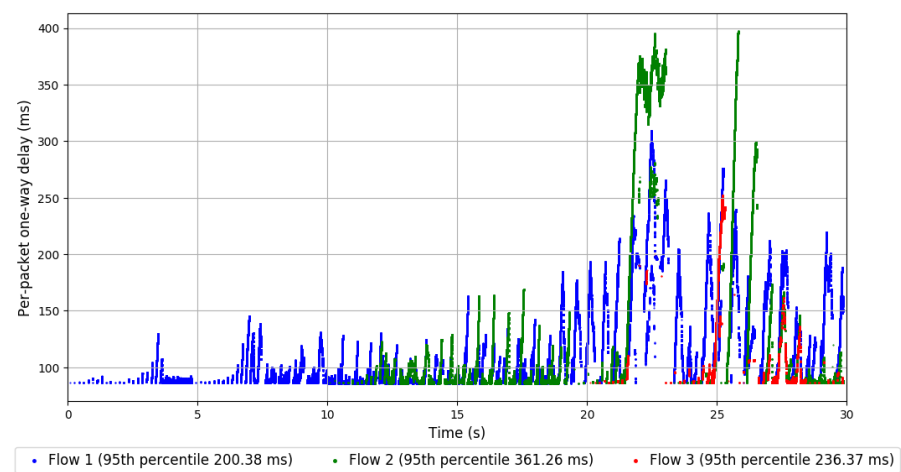
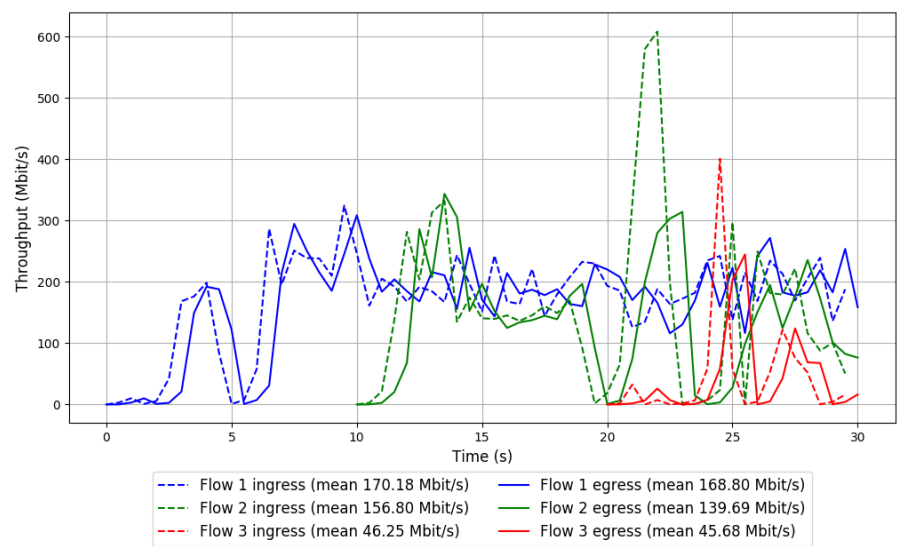
-- Flow 3:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 236.368 ms

Loss rate: 1.22%

Run 10: Report of Verus — Data Link

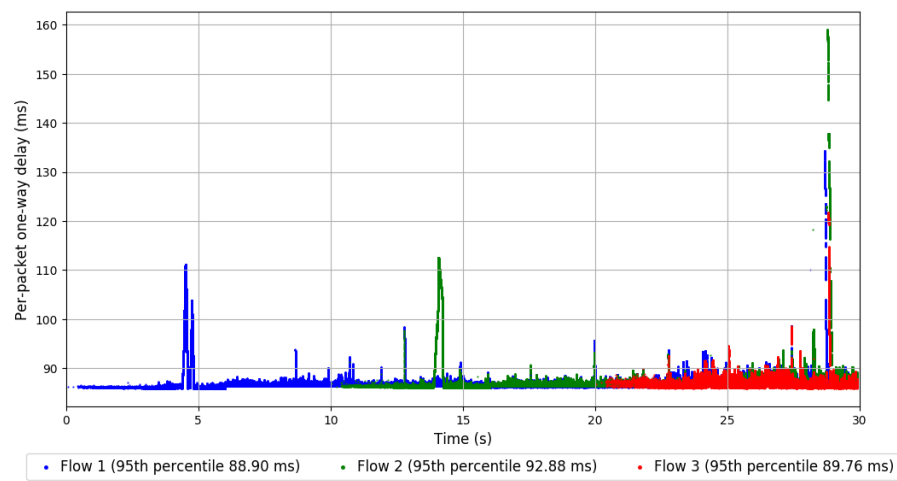
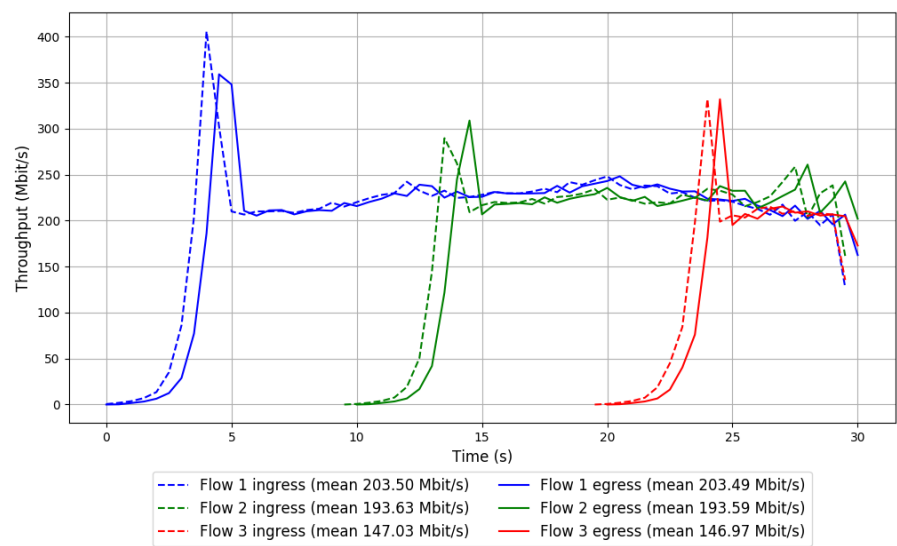


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 16:52:38
End at: 2018-06-29 16:53:08
Local clock offset: 0.124 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-06-29 22:46:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.05 Mbit/s
95th percentile per-packet one-way delay: 89.668 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 203.49 Mbit/s
95th percentile per-packet one-way delay: 88.903 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 193.59 Mbit/s
95th percentile per-packet one-way delay: 92.884 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 146.97 Mbit/s
95th percentile per-packet one-way delay: 89.762 ms
Loss rate: 0.04%

Run 1: Report of PCC-Vivace — Data Link

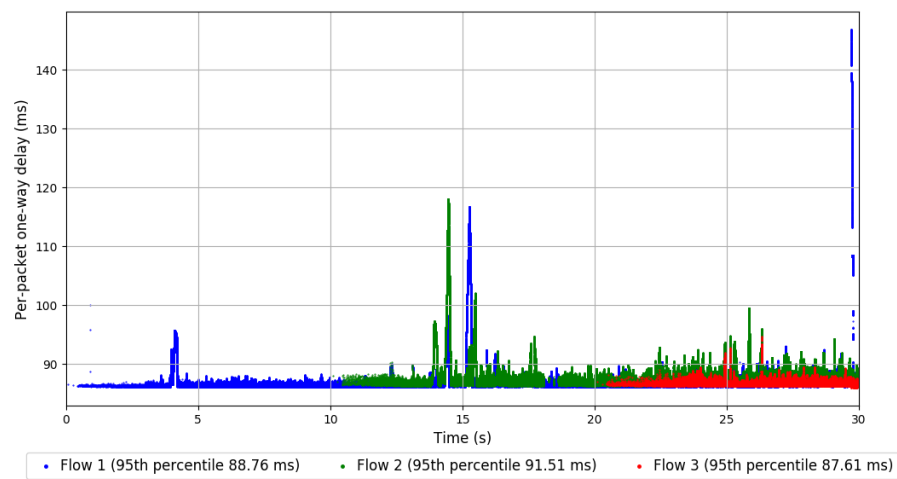
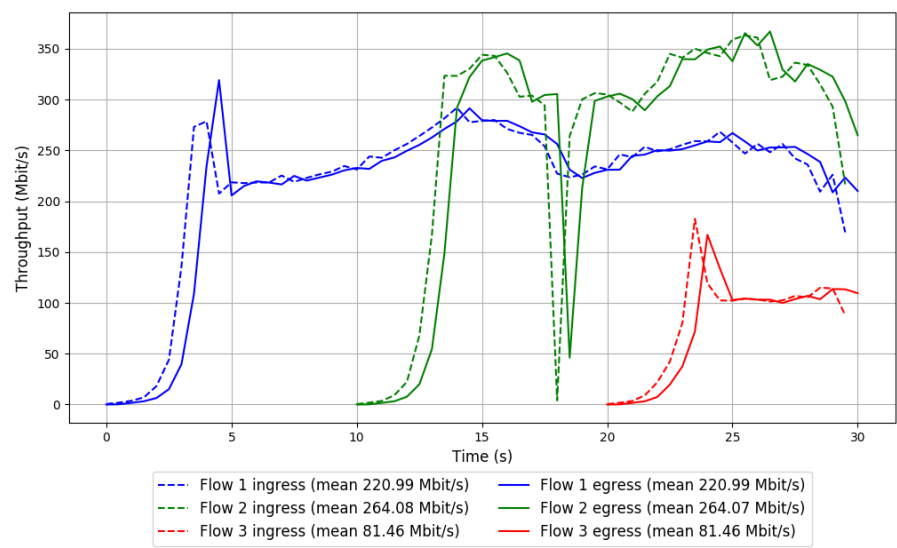


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-29 17:17:14
End at: 2018-06-29 17:17:44
Local clock offset: 0.042 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-06-29 22:46:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.49 Mbit/s
95th percentile per-packet one-way delay: 90.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 220.99 Mbit/s
95th percentile per-packet one-way delay: 88.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 264.07 Mbit/s
95th percentile per-packet one-way delay: 91.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 87.608 ms
Loss rate: 0.01%

Run 2: Report of PCC-Vivace — Data Link

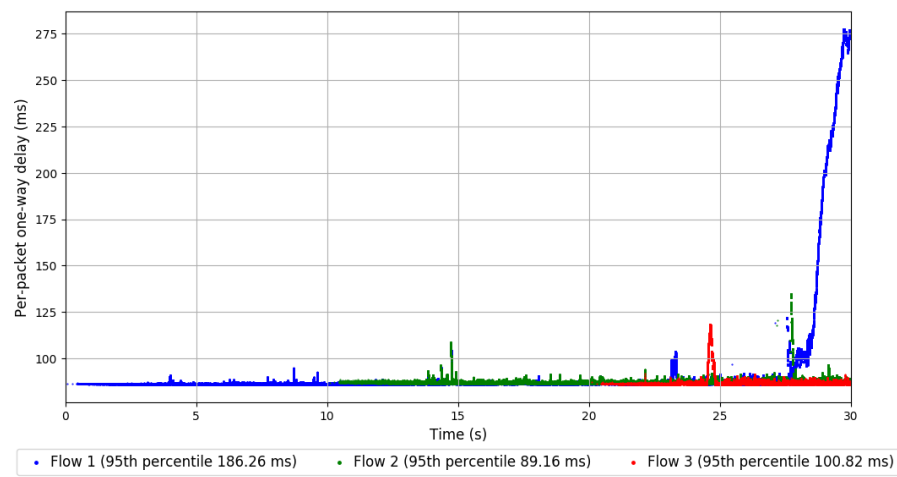
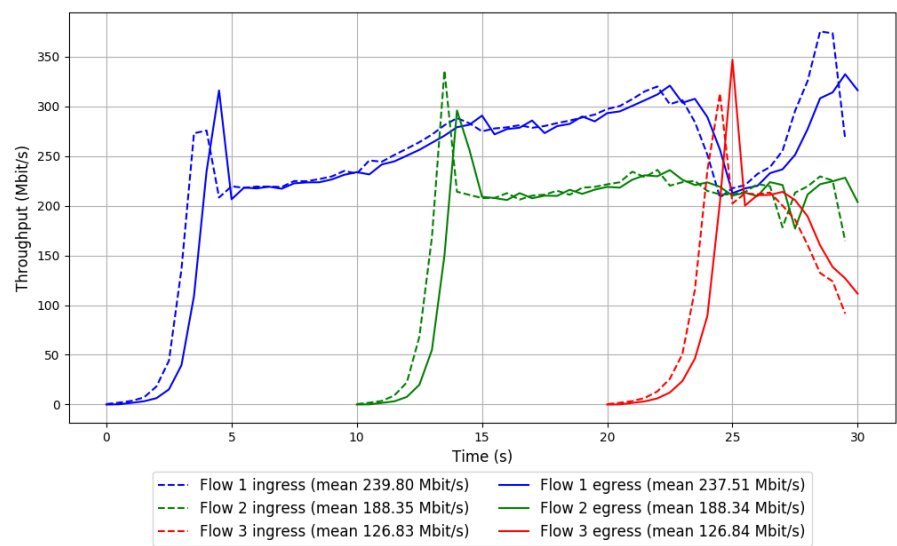


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-29 17:42:01
End at: 2018-06-29 17:42:31
Local clock offset: 0.021 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-29 22:47:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 404.59 Mbit/s
95th percentile per-packet one-way delay: 105.291 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 237.51 Mbit/s
95th percentile per-packet one-way delay: 186.257 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 188.34 Mbit/s
95th percentile per-packet one-way delay: 89.164 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 126.84 Mbit/s
95th percentile per-packet one-way delay: 100.820 ms
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

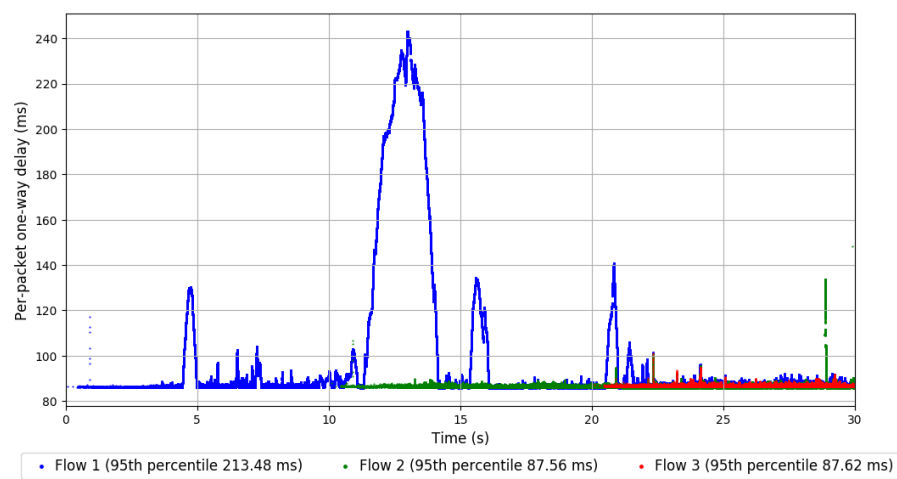
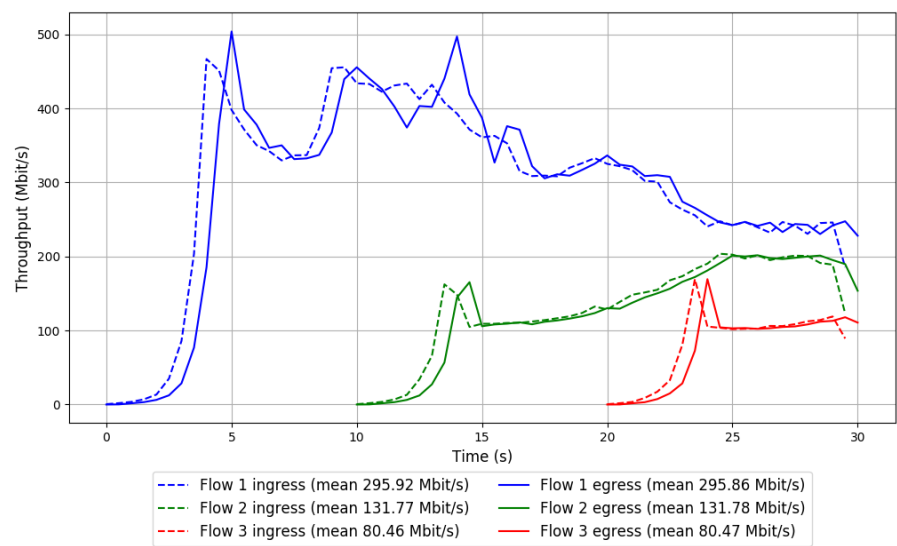


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-29 18:06:43
End at: 2018-06-29 18:07:13
Local clock offset: 0.178 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-29 22:48:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 410.02 Mbit/s
95th percentile per-packet one-way delay: 197.791 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 295.86 Mbit/s
95th percentile per-packet one-way delay: 213.481 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 131.78 Mbit/s
95th percentile per-packet one-way delay: 87.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.47 Mbit/s
95th percentile per-packet one-way delay: 87.623 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-29 18:30:58

End at: 2018-06-29 18:31:28

Local clock offset: 0.182 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-06-29 22:48:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 405.69 Mbit/s

95th percentile per-packet one-way delay: 88.856 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 236.75 Mbit/s

95th percentile per-packet one-way delay: 88.909 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.61 Mbit/s

95th percentile per-packet one-way delay: 89.194 ms

Loss rate: 0.00%

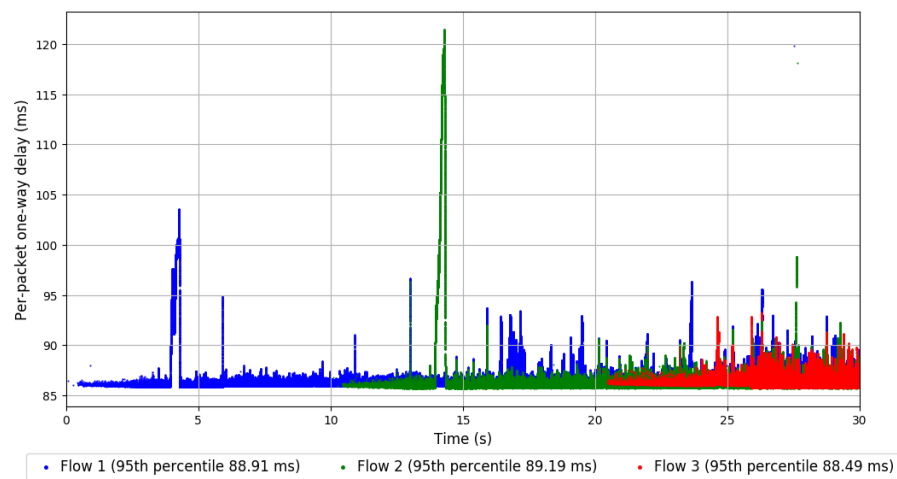
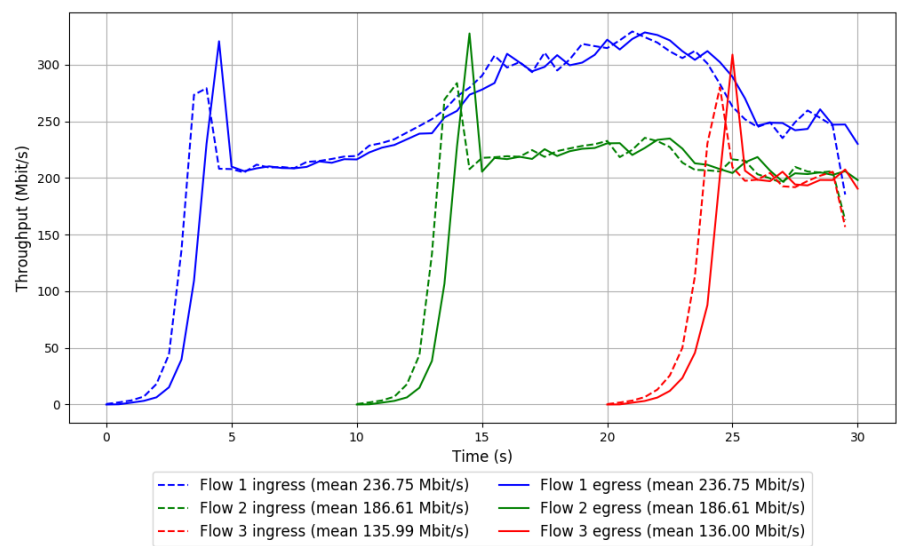
-- Flow 3:

Average throughput: 136.00 Mbit/s

95th percentile per-packet one-way delay: 88.487 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-29 18:55:16

End at: 2018-06-29 18:55:46

Local clock offset: -0.034 ms

Remote clock offset: 0.221 ms

Below is generated by plot.py at 2018-06-29 22:48:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 332.46 Mbit/s

95th percentile per-packet one-way delay: 89.386 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 207.62 Mbit/s

95th percentile per-packet one-way delay: 91.221 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 148.44 Mbit/s

95th percentile per-packet one-way delay: 89.094 ms

Loss rate: 0.02%

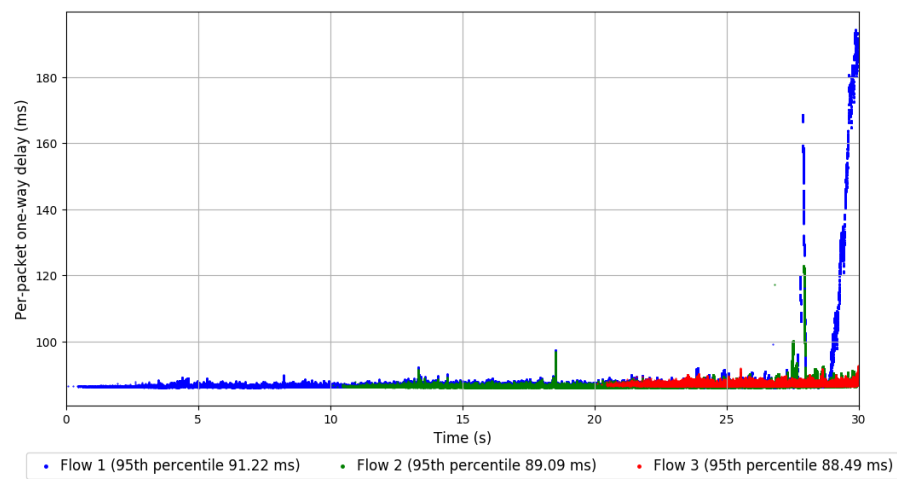
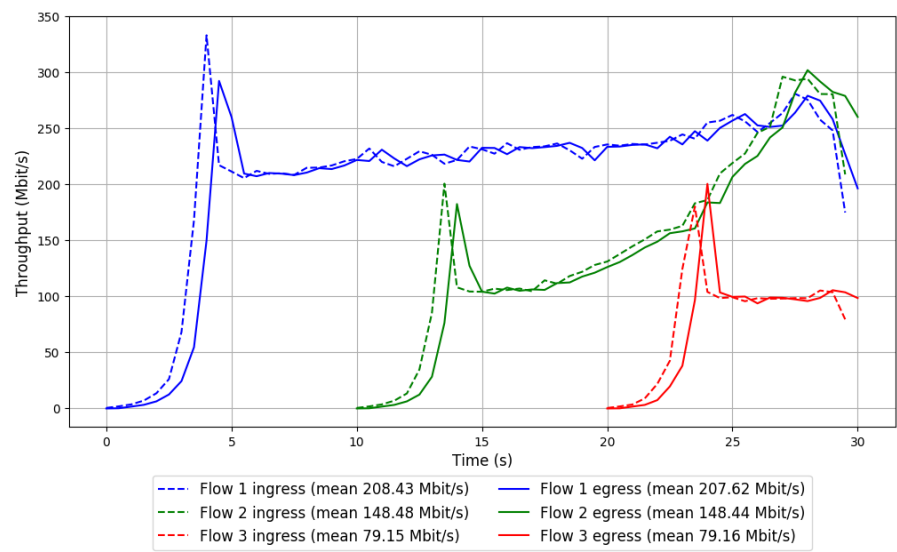
-- Flow 3:

Average throughput: 79.16 Mbit/s

95th percentile per-packet one-way delay: 88.488 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-29 19:19:54

End at: 2018-06-29 19:20:24

Local clock offset: -0.004 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-06-29 22:49:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.29 Mbit/s

95th percentile per-packet one-way delay: 94.880 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 226.68 Mbit/s

95th percentile per-packet one-way delay: 92.886 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 195.81 Mbit/s

95th percentile per-packet one-way delay: 108.482 ms

Loss rate: 0.02%

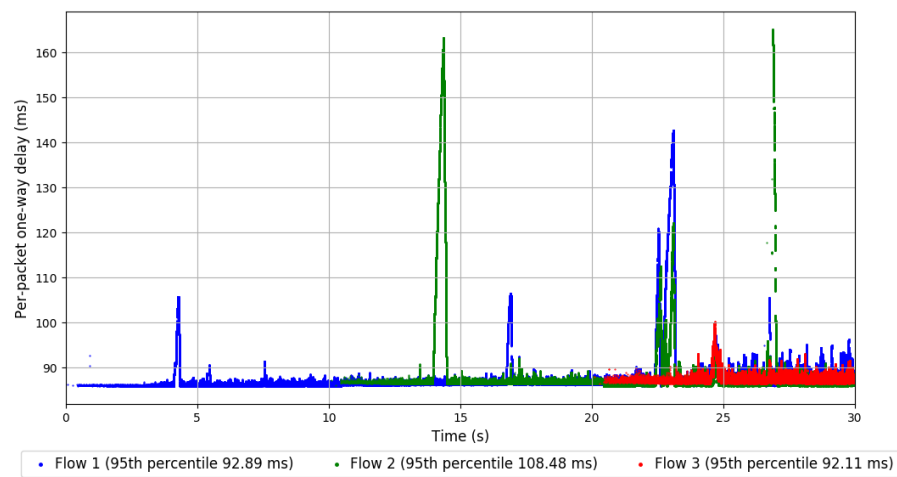
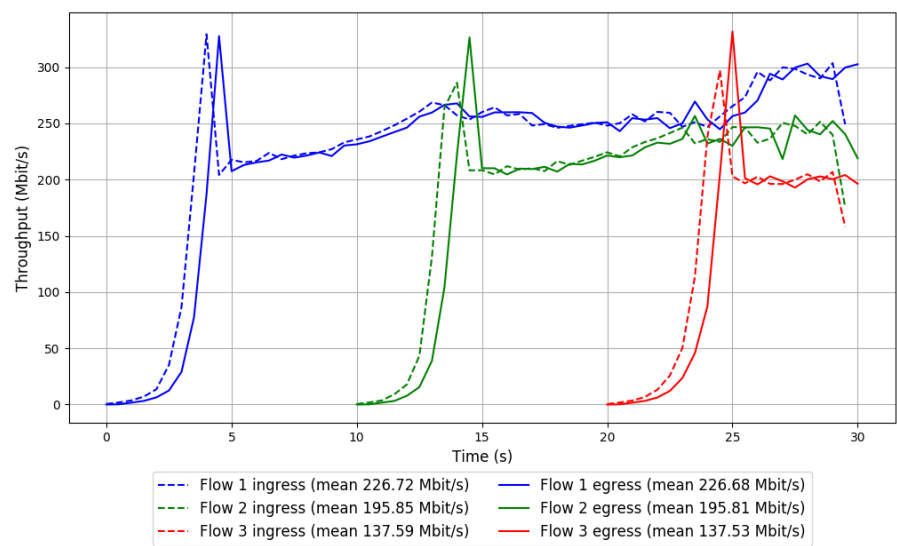
-- Flow 3:

Average throughput: 137.53 Mbit/s

95th percentile per-packet one-way delay: 92.114 ms

Loss rate: 0.05%

Run 7: Report of PCC-Vivace — Data Link

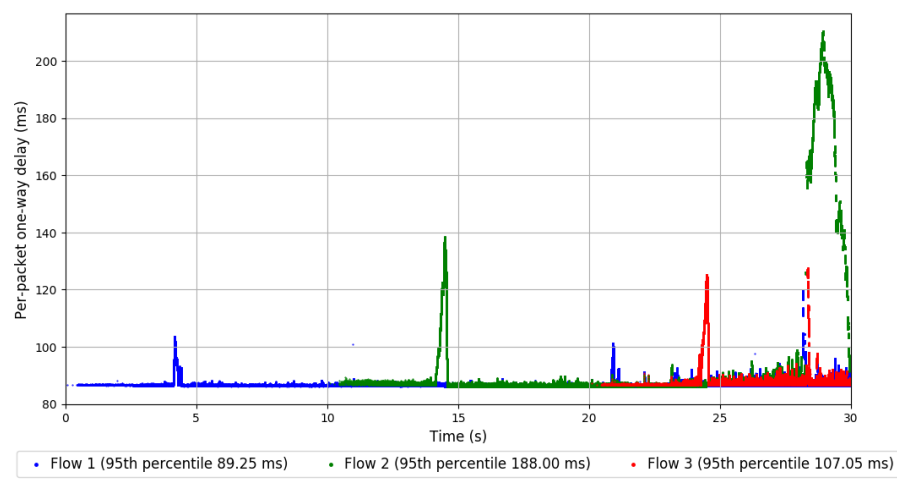
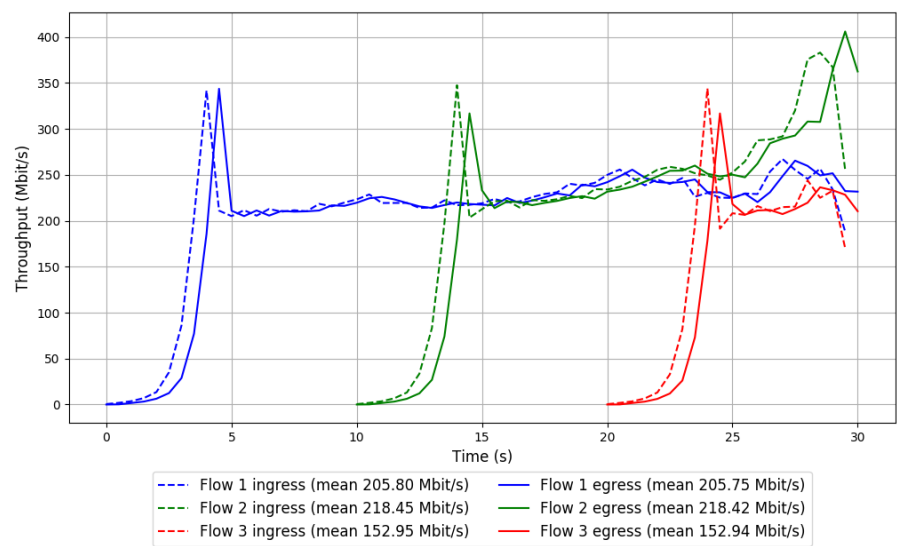


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-29 19:44:30
End at: 2018-06-29 19:45:00
Local clock offset: -0.131 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-06-29 22:49:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.40 Mbit/s
95th percentile per-packet one-way delay: 127.764 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 205.75 Mbit/s
95th percentile per-packet one-way delay: 89.252 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 218.42 Mbit/s
95th percentile per-packet one-way delay: 187.998 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 152.94 Mbit/s
95th percentile per-packet one-way delay: 107.049 ms
Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

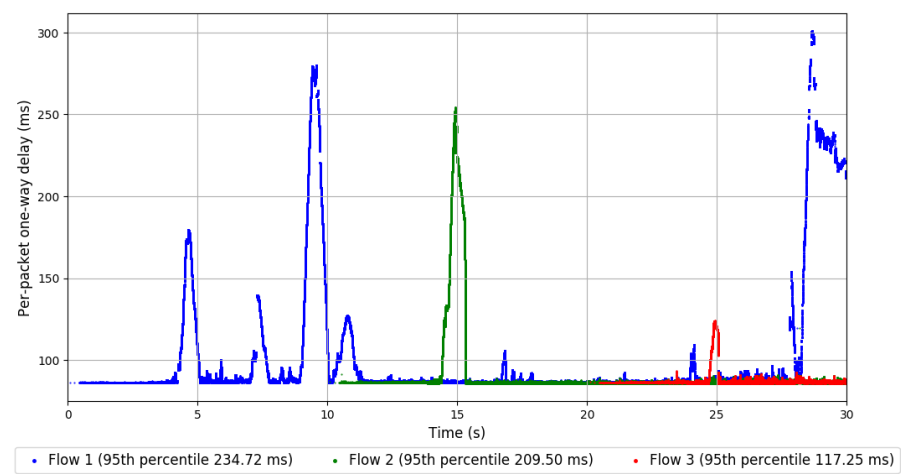
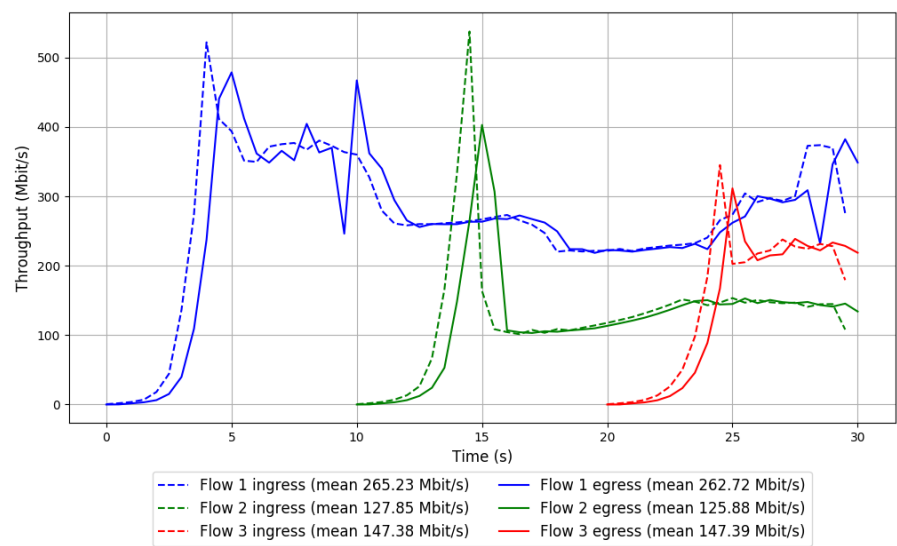


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-29 20:08:50
End at: 2018-06-29 20:09:20
Local clock offset: 0.053 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-29 22:50:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.02 Mbit/s
95th percentile per-packet one-way delay: 227.481 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 262.72 Mbit/s
95th percentile per-packet one-way delay: 234.721 ms
Loss rate: 0.94%
-- Flow 2:
Average throughput: 125.88 Mbit/s
95th percentile per-packet one-way delay: 209.502 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 147.39 Mbit/s
95th percentile per-packet one-way delay: 117.250 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-29 20:33:44

End at: 2018-06-29 20:34:14

Local clock offset: 0.281 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 387.13 Mbit/s

95th percentile per-packet one-way delay: 94.720 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 226.23 Mbit/s

95th percentile per-packet one-way delay: 95.538 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 165.54 Mbit/s

95th percentile per-packet one-way delay: 94.389 ms

Loss rate: 0.00%

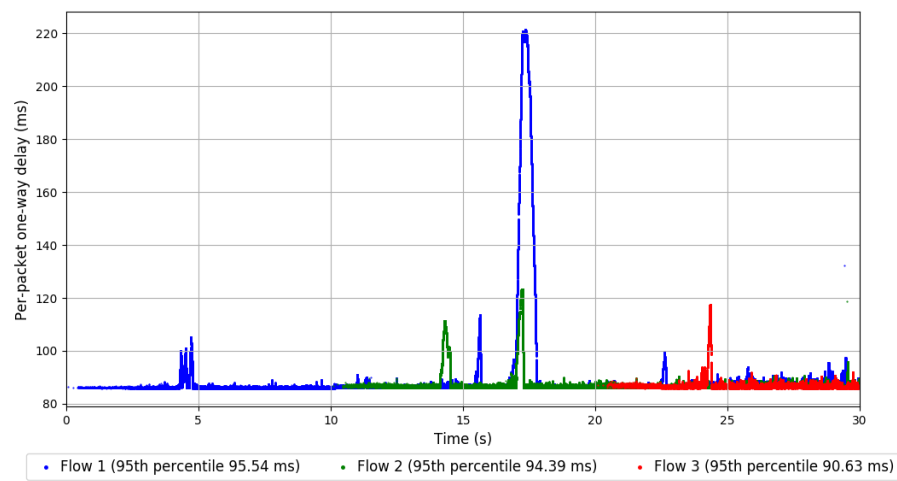
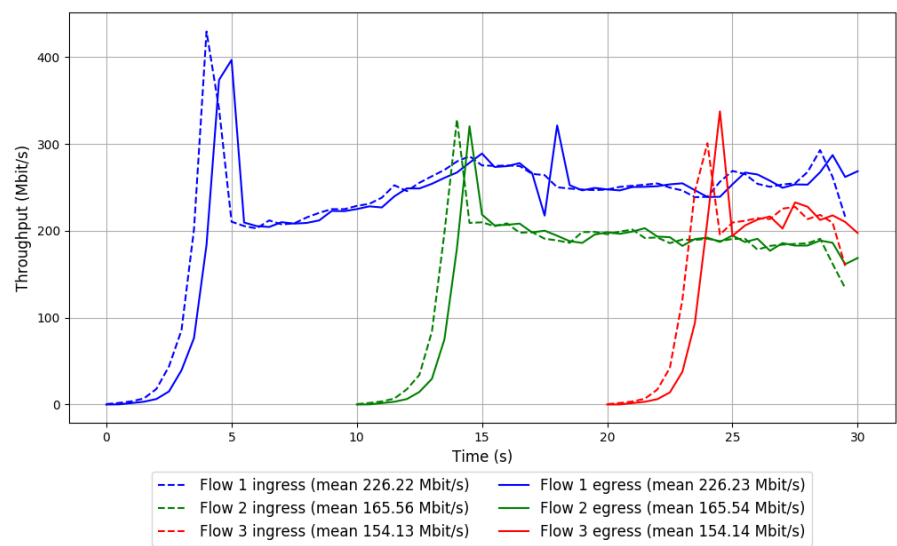
-- Flow 3:

Average throughput: 154.14 Mbit/s

95th percentile per-packet one-way delay: 90.632 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

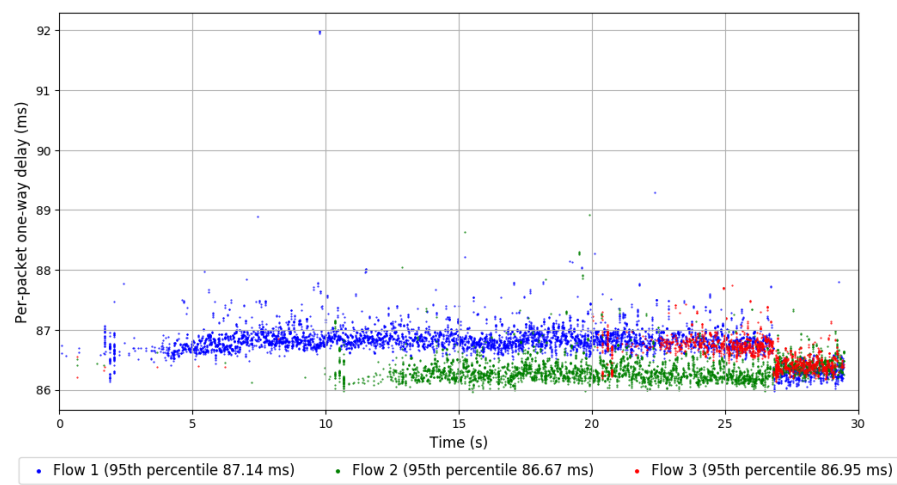
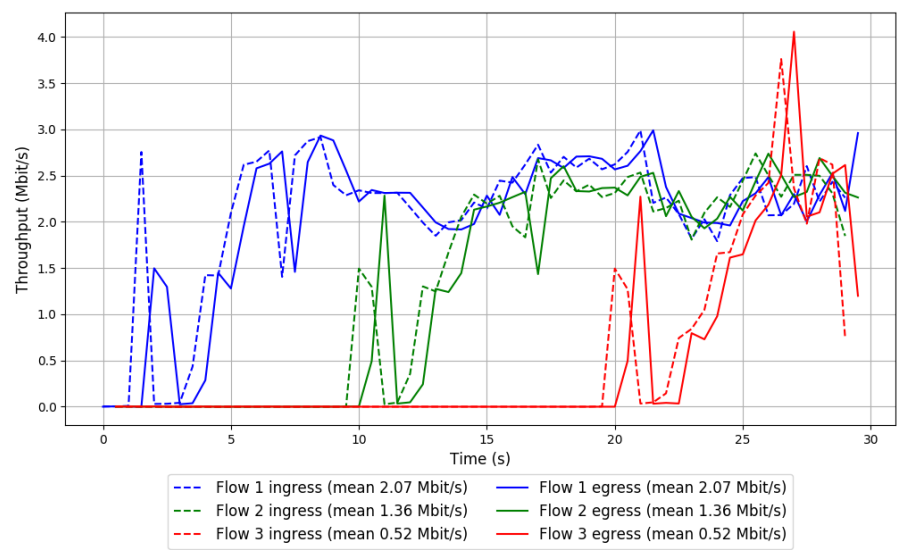


Run 1: Statistics of WebRTC media

Start at: 2018-06-29 16:51:27
End at: 2018-06-29 16:51:57
Local clock offset: 0.097 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-06-29 22:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 87.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 87.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.36 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.954 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

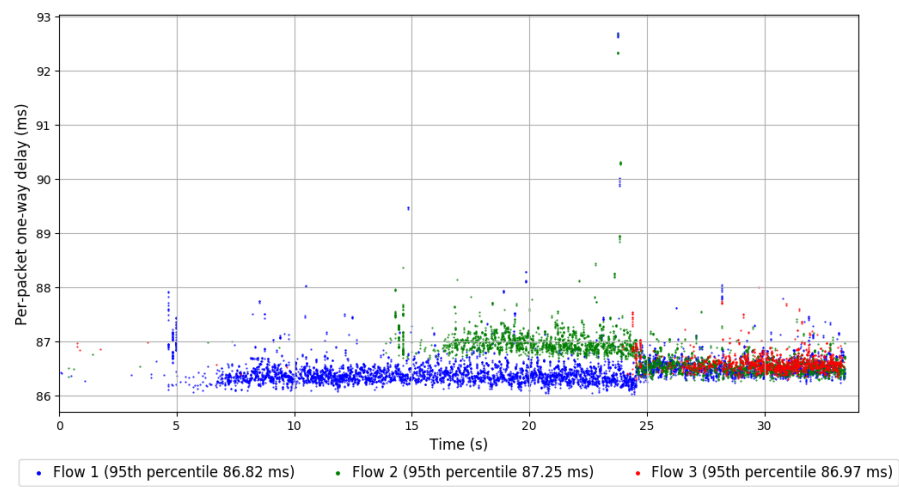
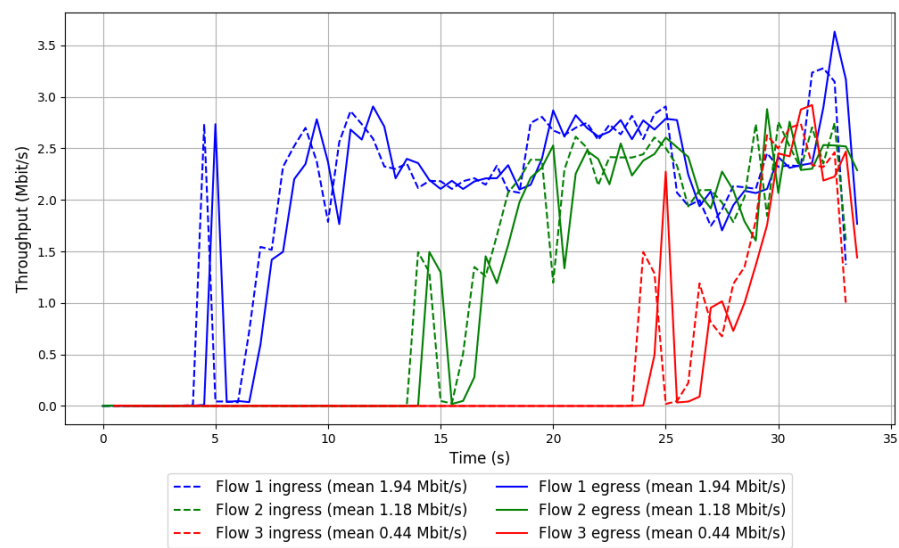


Run 2: Statistics of WebRTC media

Start at: 2018-06-29 17:16:03
End at: 2018-06-29 17:16:33
Local clock offset: 0.082 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-29 22:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.55 Mbit/s
95th percentile per-packet one-way delay: 87.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 87.254 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.971 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

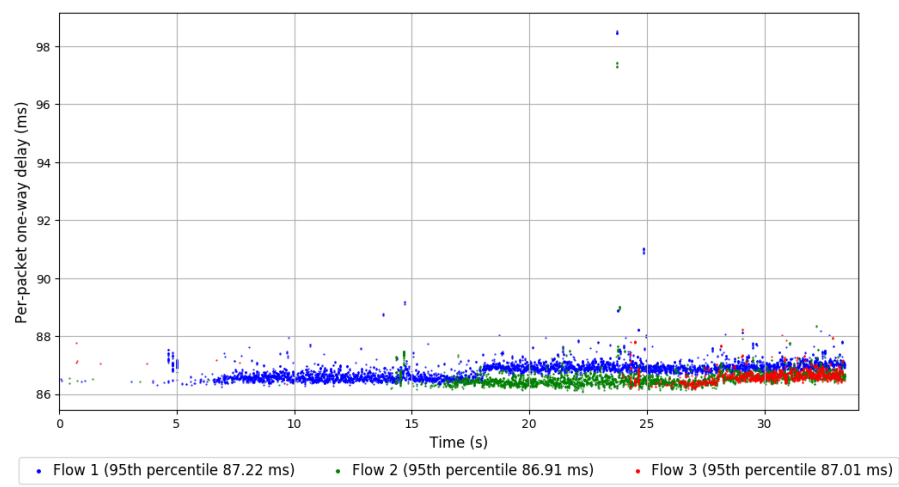
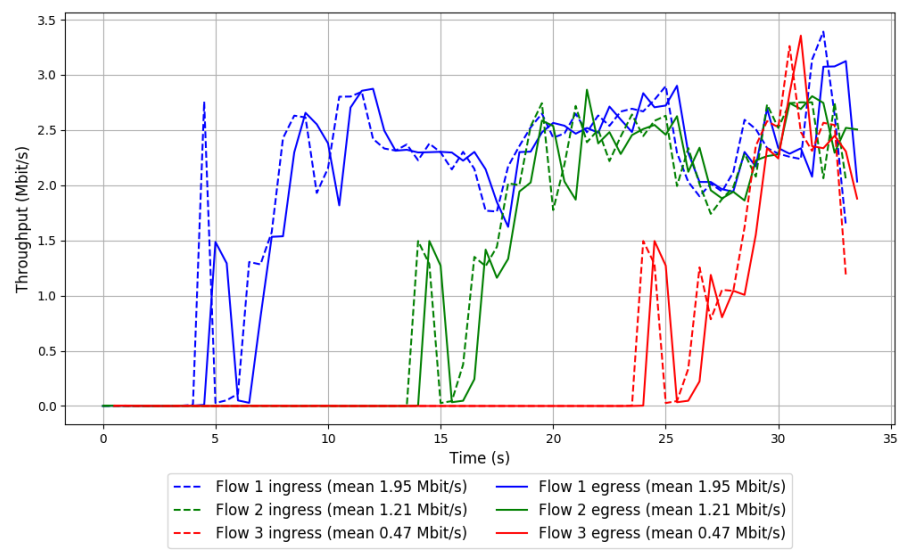


Run 3: Statistics of WebRTC media

Start at: 2018-06-29 17:40:49
End at: 2018-06-29 17:41:20
Local clock offset: -0.074 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-06-29 22:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 87.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 87.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.913 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 87.007 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-29 18:05:31

End at: 2018-06-29 18:06:01

Local clock offset: 0.046 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 86.826 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 86.851 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 86.762 ms

Loss rate: 0.00%

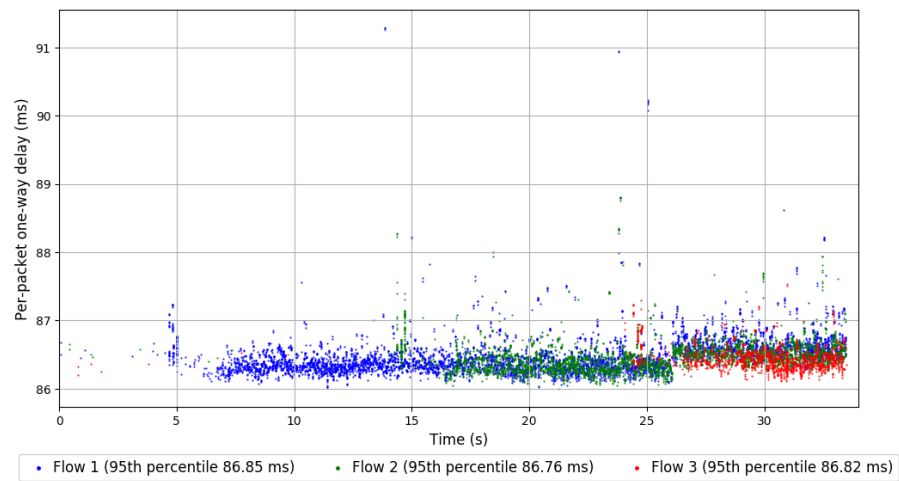
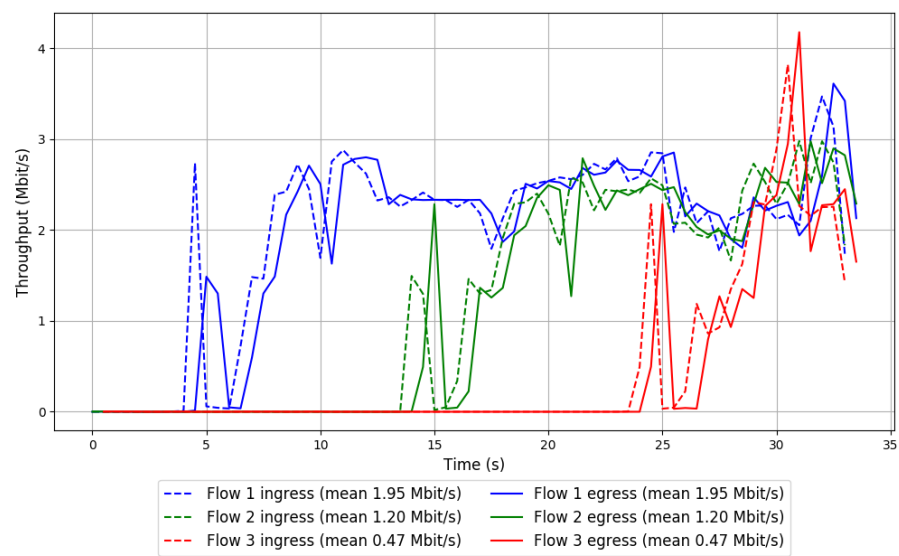
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 86.824 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-29 18:29:47

End at: 2018-06-29 18:30:17

Local clock offset: -0.067 ms

Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.53 Mbit/s

95th percentile per-packet one-way delay: 87.184 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 87.258 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 86.898 ms

Loss rate: 0.00%

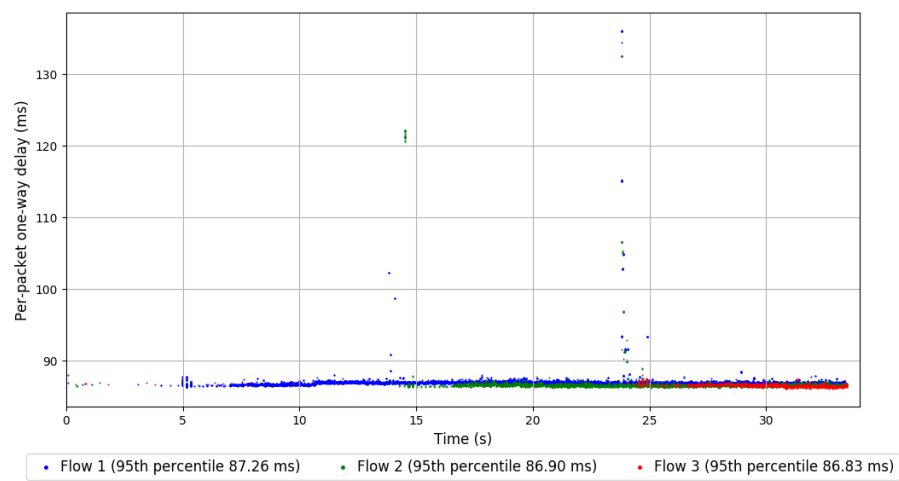
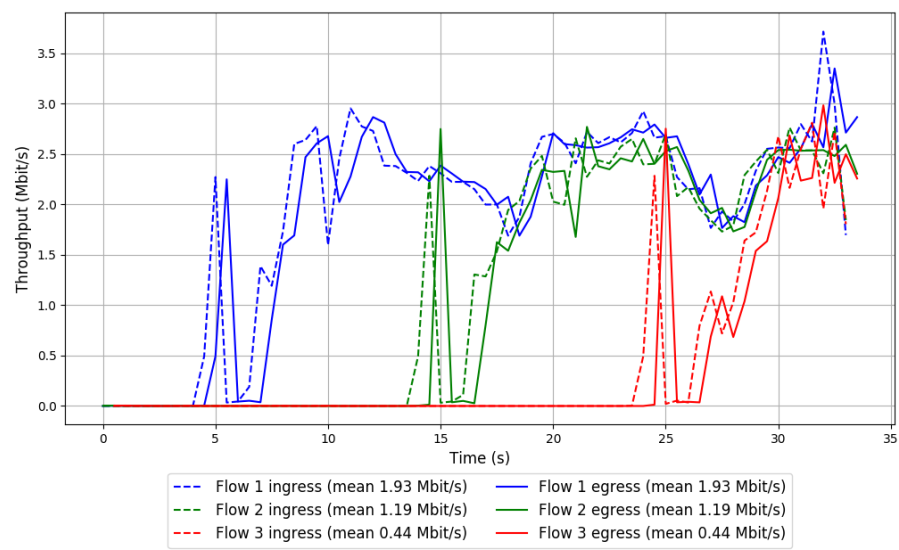
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.831 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-29 18:54:04

End at: 2018-06-29 18:54:34

Local clock offset: 0.205 ms

Remote clock offset: 0.169 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 86.905 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.962 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 86.765 ms

Loss rate: 0.02%

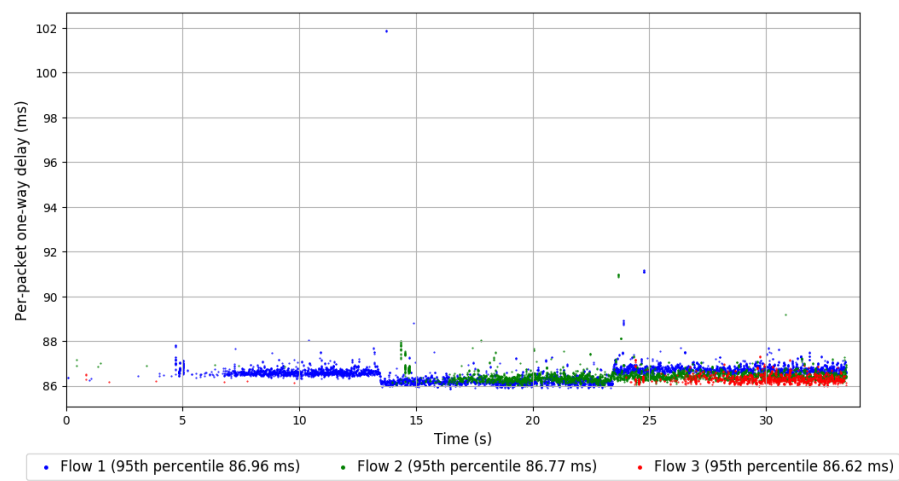
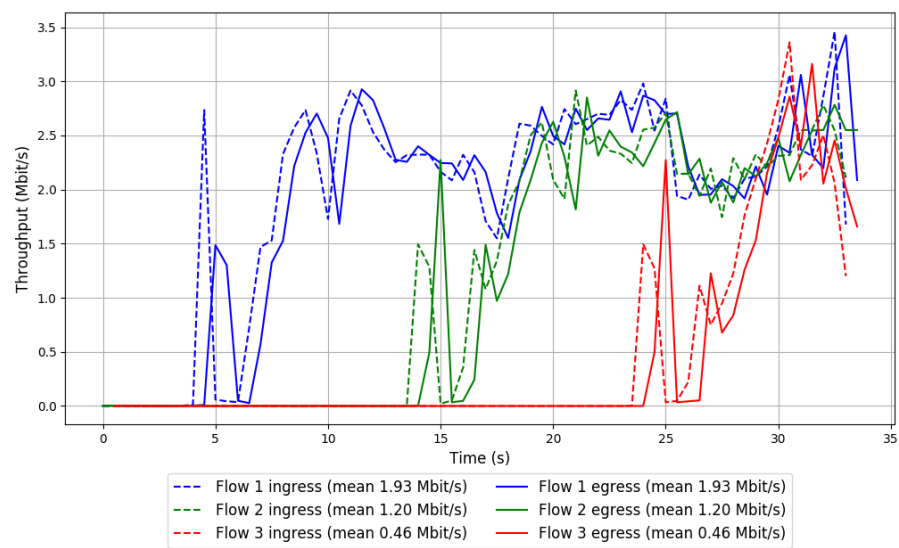
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.621 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-06-29 19:18:42

End at: 2018-06-29 19:19:12

Local clock offset: -0.04 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 87.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 86.900 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 86.885 ms

Loss rate: 0.00%

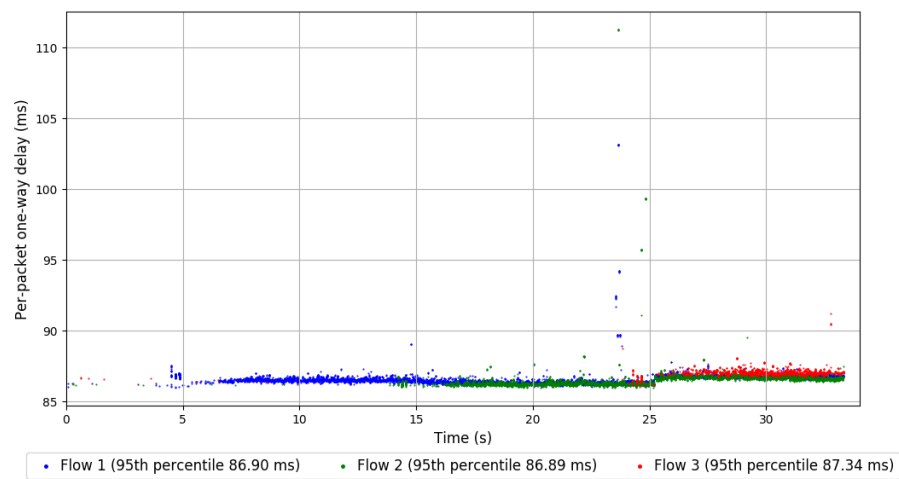
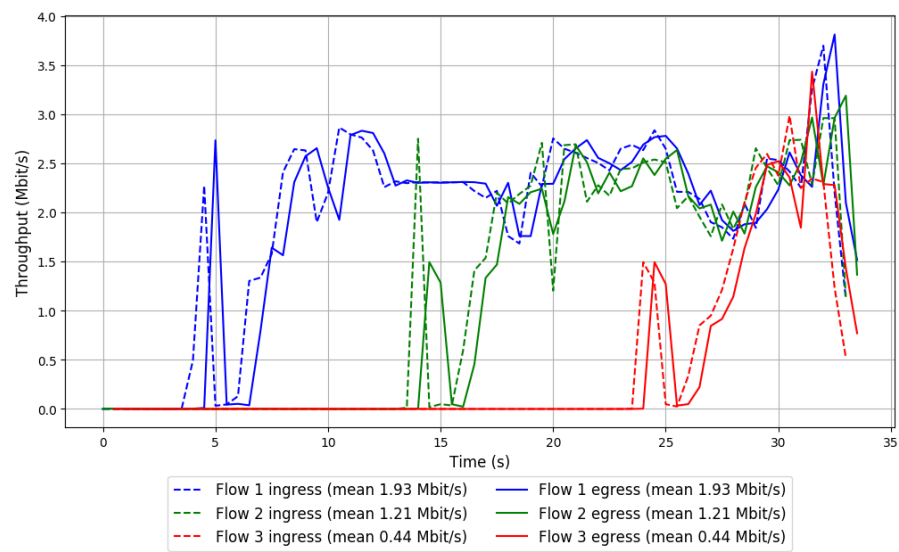
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 87.342 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

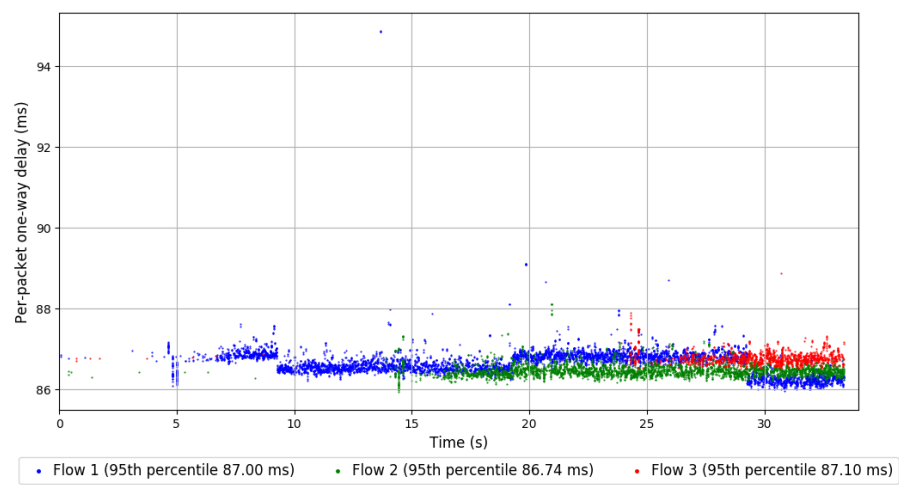
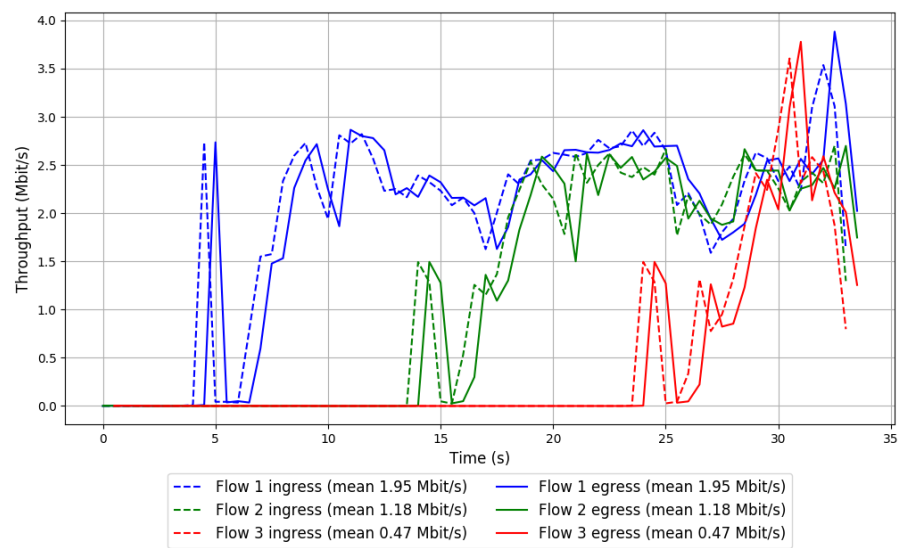


Run 8: Statistics of WebRTC media

Start at: 2018-06-29 19:43:18
End at: 2018-06-29 19:43:48
Local clock offset: -0.035 ms
Remote clock offset: -0.228 ms

Below is generated by plot.py at 2018-06-29 22:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 86.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 86.742 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 87.104 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

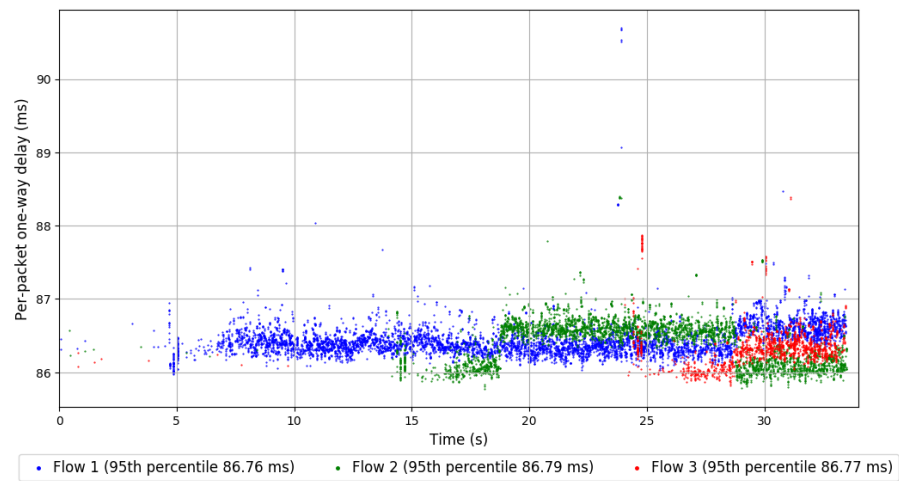
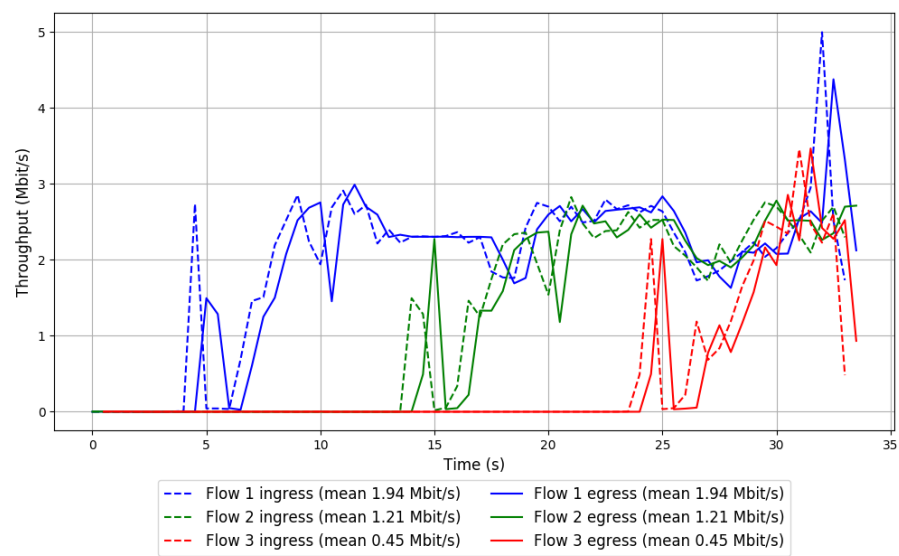


Run 9: Statistics of WebRTC media

Start at: 2018-06-29 20:07:39
End at: 2018-06-29 20:08:09
Local clock offset: 0.104 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-06-29 22:50:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 86.756 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.787 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.774 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-29 20:32:32

End at: 2018-06-29 20:33:02

Local clock offset: 0.081 ms

Remote clock offset: 0.163 ms

Below is generated by plot.py at 2018-06-29 22:50:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 86.960 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 86.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 87.058 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 86.818 ms

Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

