

Pantheon Report

Generated at 2018-06-05 14:25:32 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

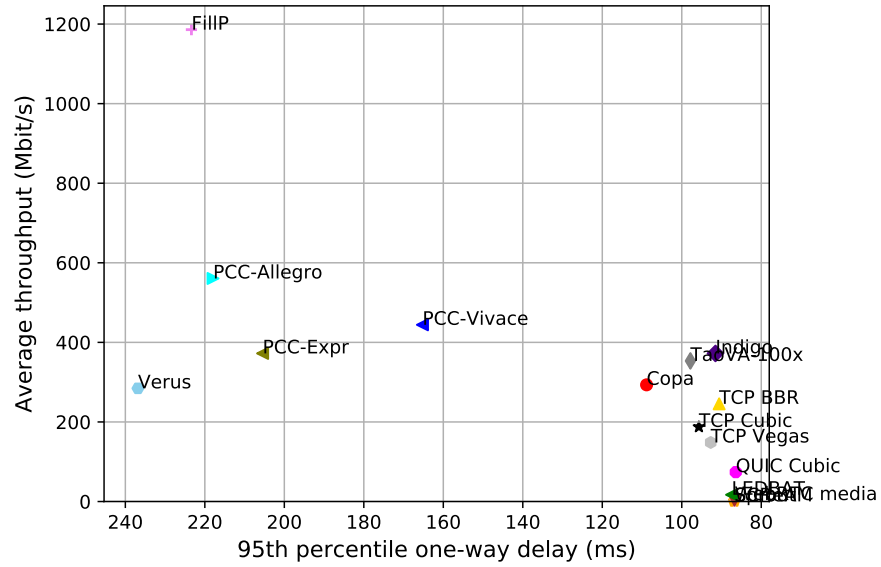
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

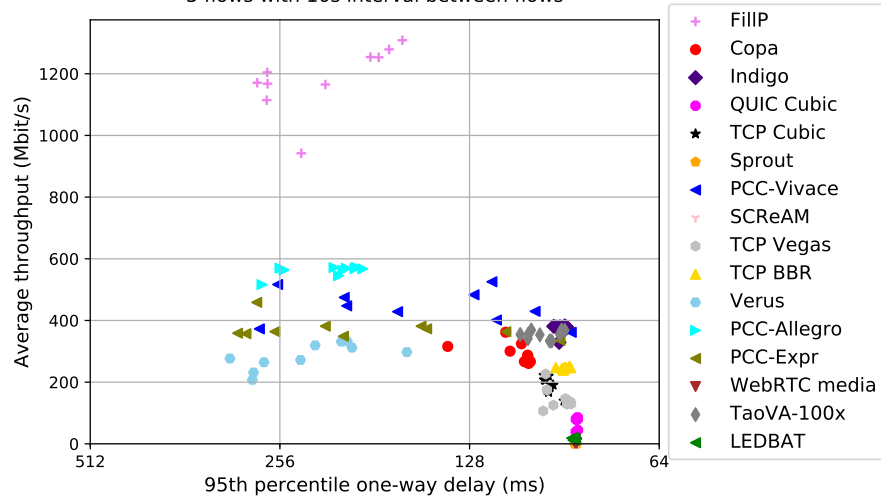
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 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



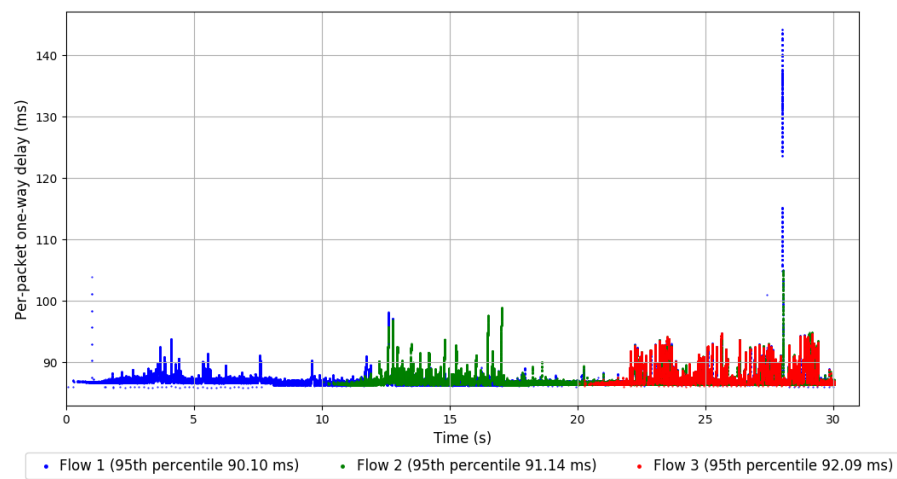
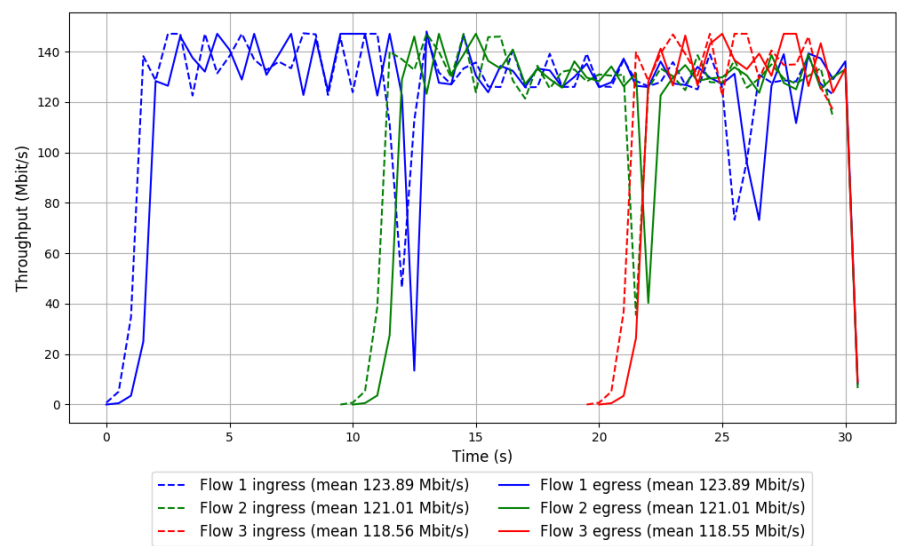
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	124.88	122.45	117.77	89.30	90.62	92.24	0.02	0.01	0.00
Copa	10	173.29	131.09	101.02	110.79	100.52	108.63	0.01	0.12	0.09
TCP Cubic	10	102.42	97.28	62.15	95.07	94.66	94.47	0.05	0.04	0.11
FillP	10	613.10	577.31	569.15	228.25	219.41	172.45	3.88	4.54	3.06
Indigo	10	194.02	186.96	167.69	90.82	92.81	91.96	0.01	0.04	0.04
LEDBAT	10	10.85	7.56	3.35	87.57	87.33	87.10	0.00	0.00	0.00
PCC-Allegro	10	520.21	47.54	26.70	218.45	187.47	176.69	1.93	0.78	1.26
PCC-Expr	10	207.60	202.20	91.32	194.26	172.67	128.25	1.71	1.23	0.29
QUIC Cubic	10	40.34	38.67	24.32	86.42	86.15	86.32	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.58	86.61	86.58	0.00	0.00	0.00
Sprout	10	0.27	0.29	0.31	86.80	86.73	86.65	0.00	0.00	0.00
TaoVA-100x	10	194.88	173.56	129.04	94.51	100.42	103.21	0.02	0.03	0.03
TCP Vegas	10	93.62	47.48	69.99	91.45	90.93	93.66	0.01	0.05	0.04
Verus	10	179.83	120.69	76.91	230.43	217.61	226.52	2.83	1.36	3.29
PCC-Vivace	10	253.95	229.73	113.27	145.80	154.77	109.56	0.35	0.46	0.00
WebRTC media	10	2.00	1.23	0.47	86.60	86.58	86.54	0.00	0.00	0.01

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 08:11:23
End at: 2018-06-05 08:11:53
Local clock offset: 0.012 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-05 12:28:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.89 Mbit/s
95th percentile per-packet one-way delay: 91.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.89 Mbit/s
95th percentile per-packet one-way delay: 90.103 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.01 Mbit/s
95th percentile per-packet one-way delay: 91.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.55 Mbit/s
95th percentile per-packet one-way delay: 92.095 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

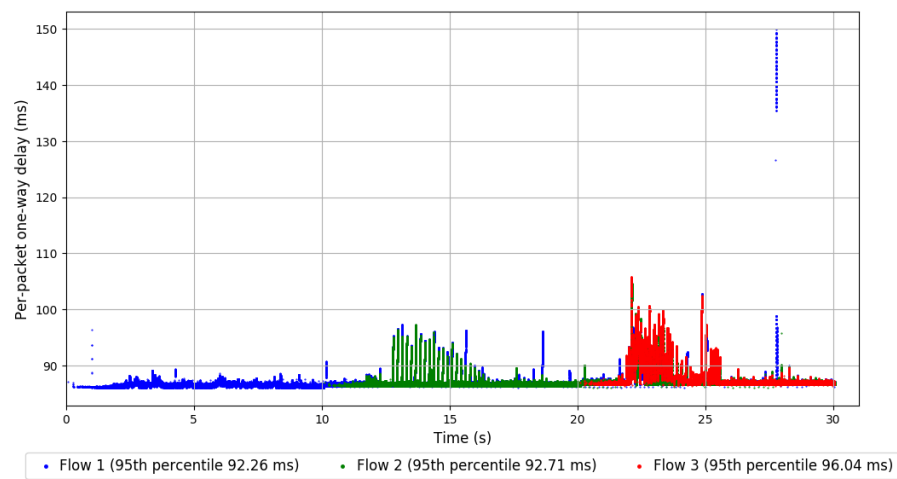
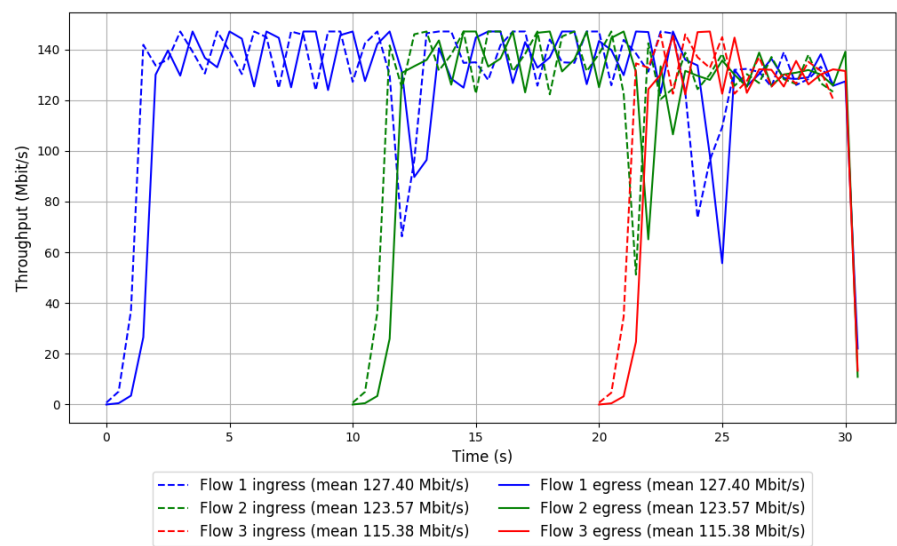


Run 2: Statistics of TCP BBR

Start at: 2018-06-05 08:35:01
End at: 2018-06-05 08:35:31
Local clock offset: -0.25 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.96 Mbit/s
95th percentile per-packet one-way delay: 93.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.40 Mbit/s
95th percentile per-packet one-way delay: 92.260 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.57 Mbit/s
95th percentile per-packet one-way delay: 92.711 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.38 Mbit/s
95th percentile per-packet one-way delay: 96.039 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

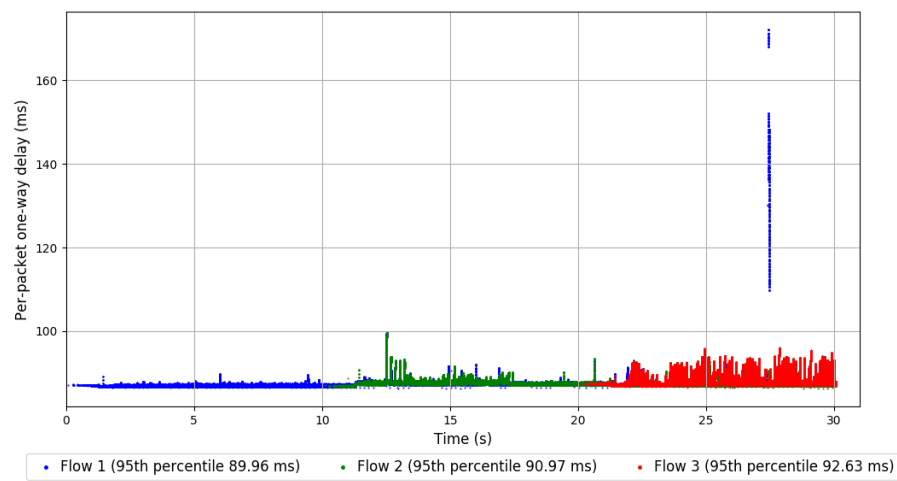
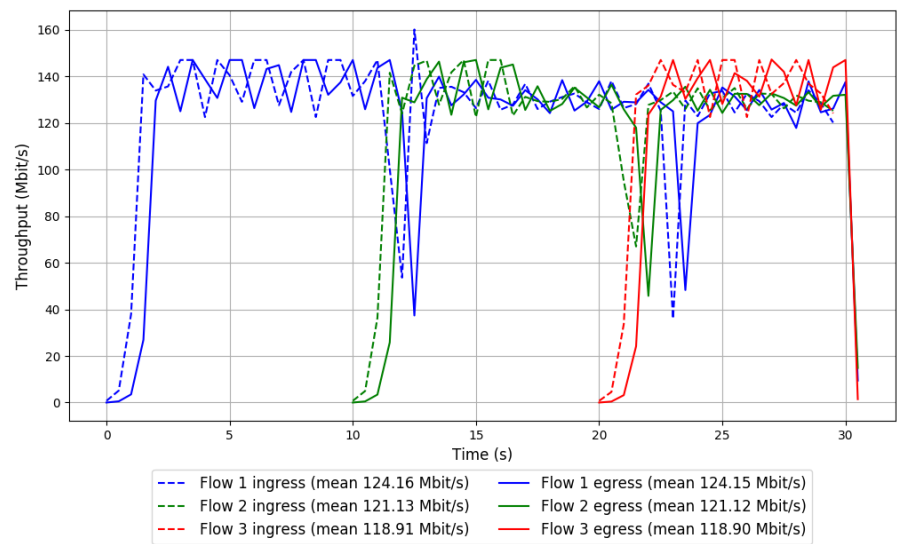


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 08:59:00
End at: 2018-06-05 08:59:30
Local clock offset: -0.53 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.31 Mbit/s
95th percentile per-packet one-way delay: 91.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.15 Mbit/s
95th percentile per-packet one-way delay: 89.962 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.12 Mbit/s
95th percentile per-packet one-way delay: 90.970 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.90 Mbit/s
95th percentile per-packet one-way delay: 92.631 ms
Loss rate: 0.01%

Run 3: Report of TCP BBR — Data Link

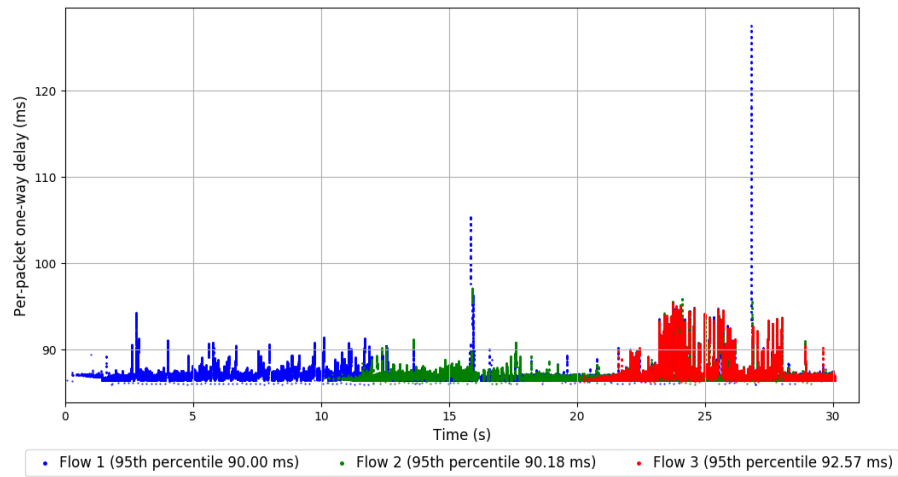
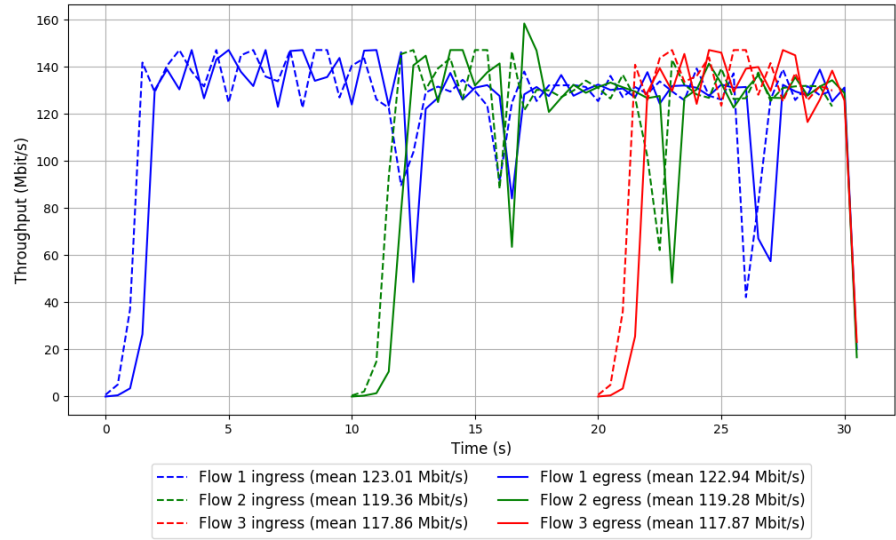


Run 4: Statistics of TCP BBR

Start at: 2018-06-05 09:23:00
End at: 2018-06-05 09:23:30
Local clock offset: -0.169 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 241.48 Mbit/s
95th percentile per-packet one-way delay: 90.690 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 122.94 Mbit/s
95th percentile per-packet one-way delay: 90.001 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 119.28 Mbit/s
95th percentile per-packet one-way delay: 90.178 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 117.87 Mbit/s
95th percentile per-packet one-way delay: 92.572 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

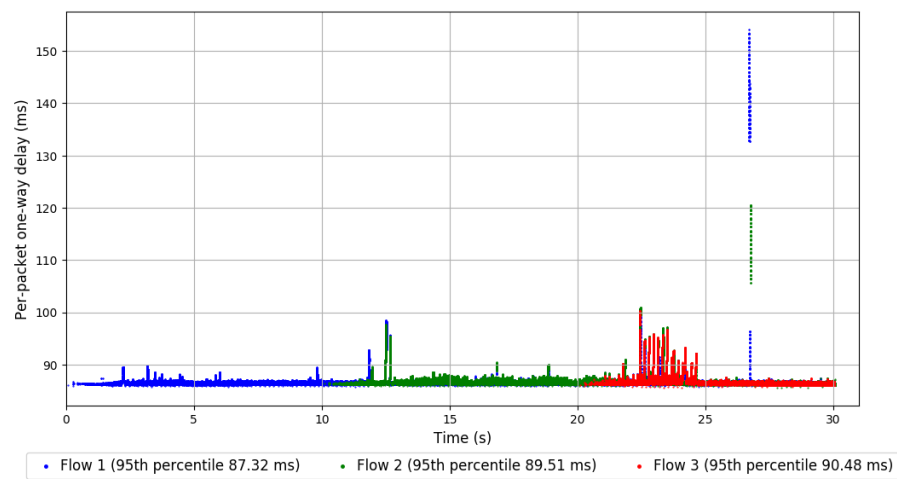
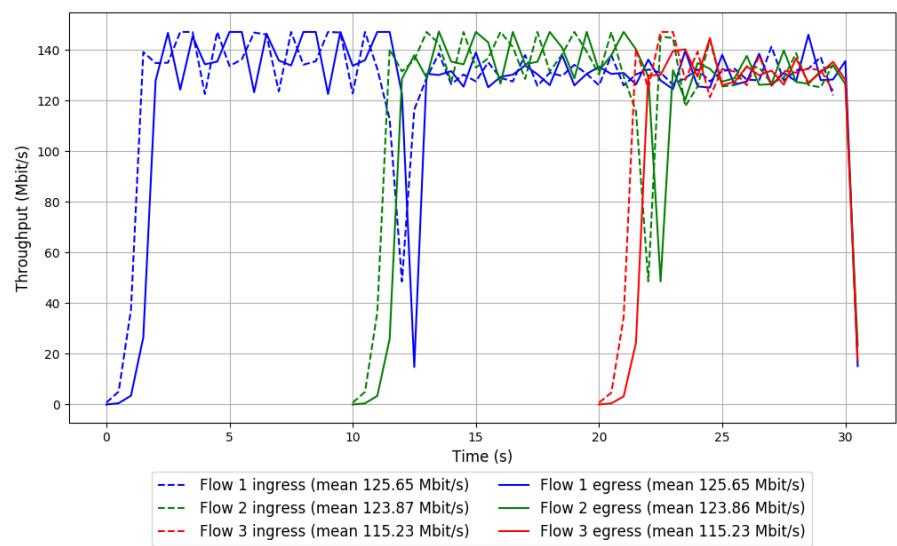


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 09:46:44
End at: 2018-06-05 09:47:14
Local clock offset: 0.27 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.38 Mbit/s
95th percentile per-packet one-way delay: 88.402 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.65 Mbit/s
95th percentile per-packet one-way delay: 87.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.86 Mbit/s
95th percentile per-packet one-way delay: 89.506 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 115.23 Mbit/s
95th percentile per-packet one-way delay: 90.479 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

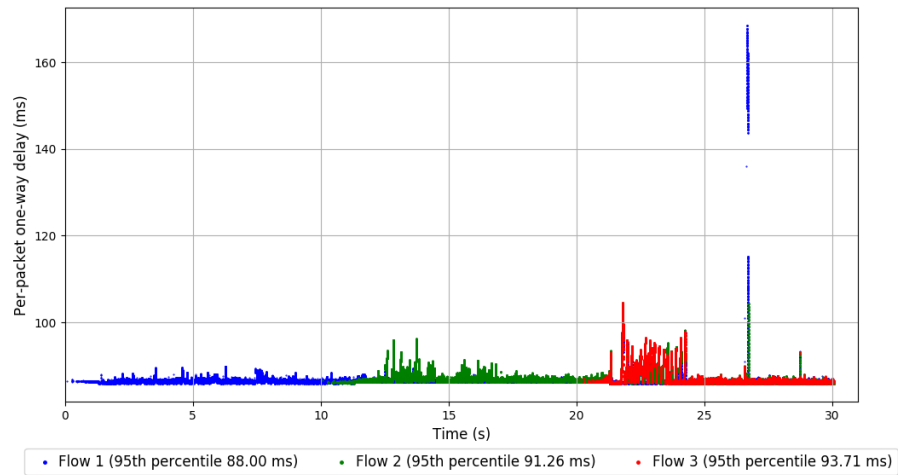
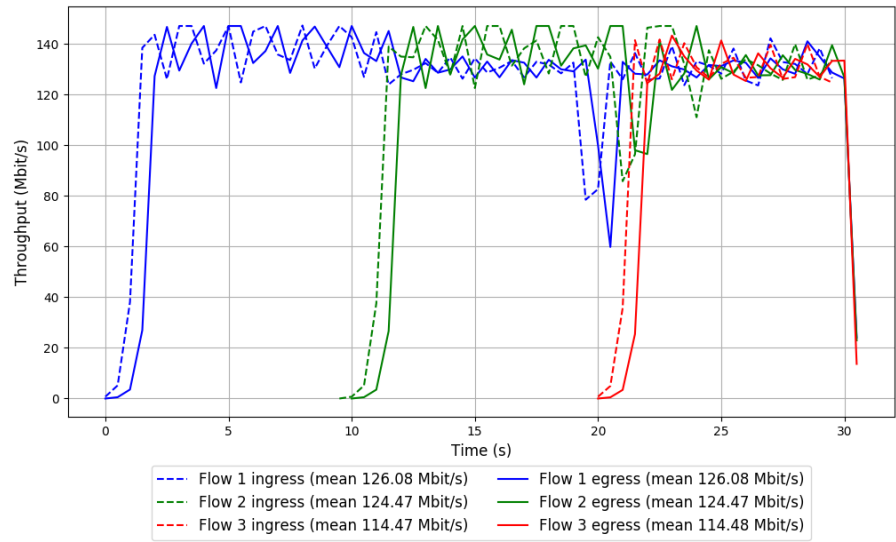


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 10:10:40
End at: 2018-06-05 10:11:10
Local clock offset: 0.028 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.01 Mbit/s
95th percentile per-packet one-way delay: 90.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.08 Mbit/s
95th percentile per-packet one-way delay: 88.001 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.47 Mbit/s
95th percentile per-packet one-way delay: 91.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.48 Mbit/s
95th percentile per-packet one-way delay: 93.710 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

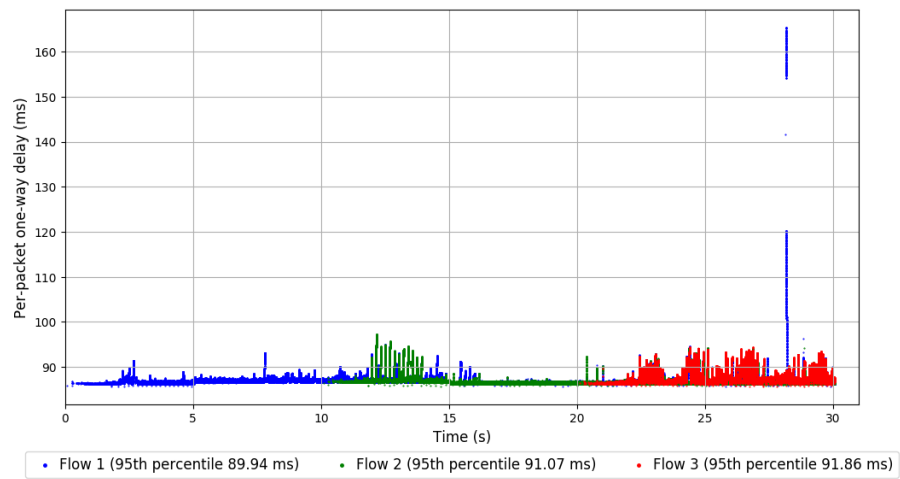
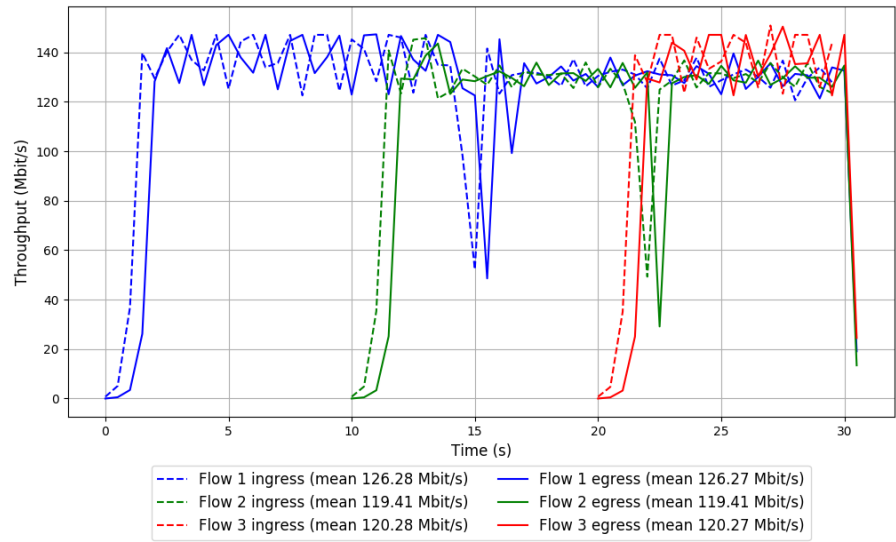


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 10:34:16
End at: 2018-06-05 10:34:46
Local clock offset: 0.142 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-05 12:28:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.76 Mbit/s
95th percentile per-packet one-way delay: 90.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.27 Mbit/s
95th percentile per-packet one-way delay: 89.940 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.41 Mbit/s
95th percentile per-packet one-way delay: 91.070 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.27 Mbit/s
95th percentile per-packet one-way delay: 91.858 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

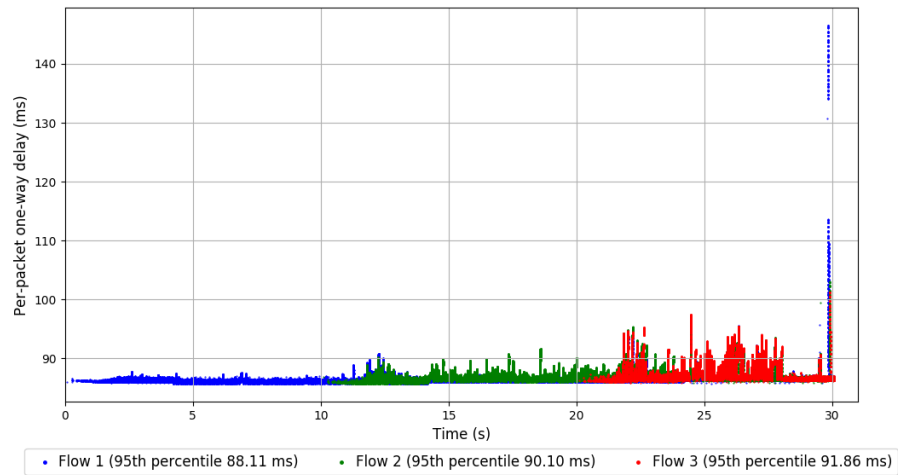
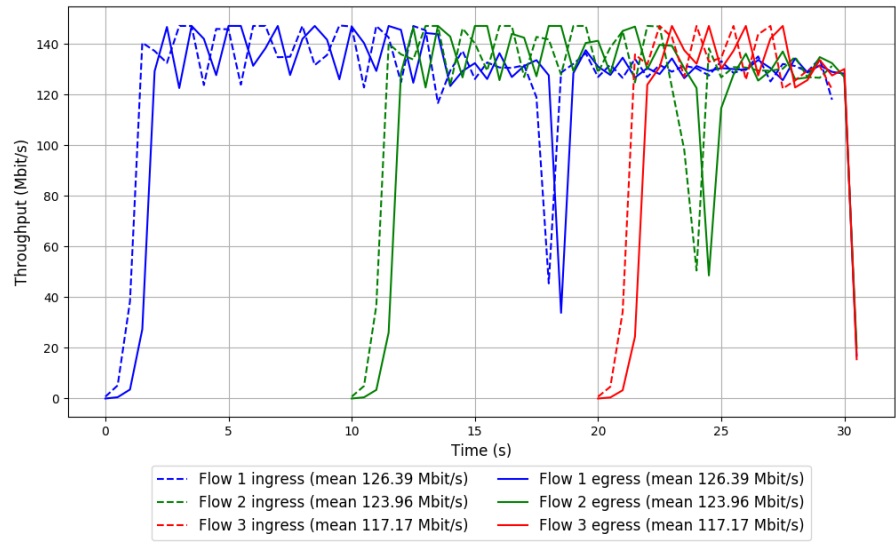


Run 8: Statistics of TCP BBR

Start at: 2018-06-05 10:58:17
End at: 2018-06-05 10:58:47
Local clock offset: 0.067 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-05 12:28:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.86 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.39 Mbit/s
95th percentile per-packet one-way delay: 88.109 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.96 Mbit/s
95th percentile per-packet one-way delay: 90.103 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 117.17 Mbit/s
95th percentile per-packet one-way delay: 91.863 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

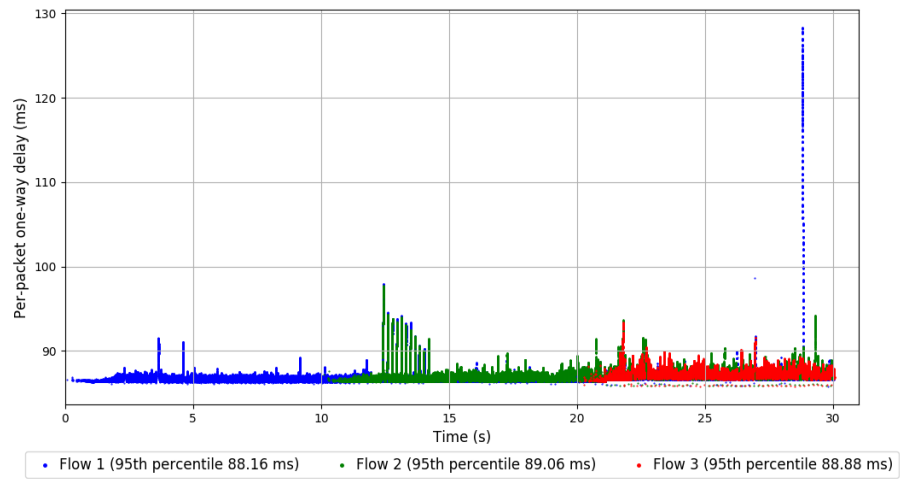
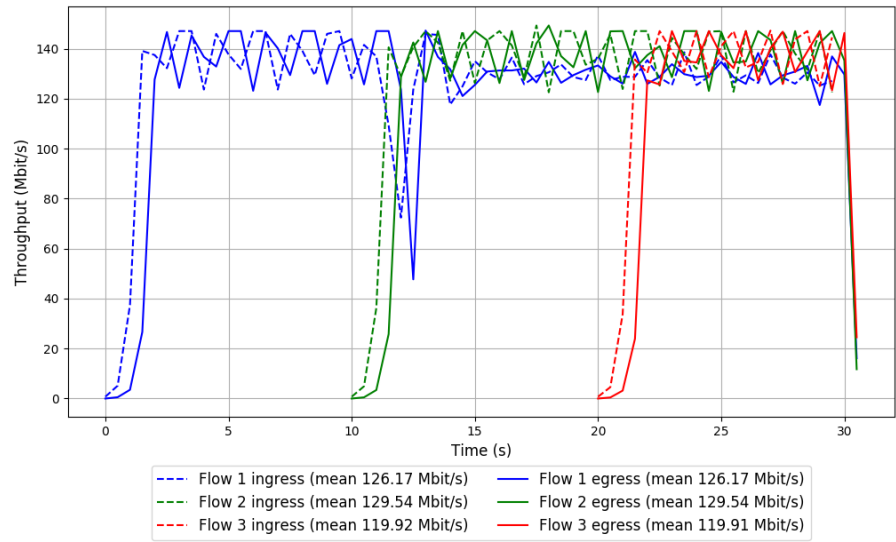


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 11:22:00
End at: 2018-06-05 11:22:30
Local clock offset: 0.041 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-05 12:31:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.00 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.17 Mbit/s
95th percentile per-packet one-way delay: 88.160 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.54 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 119.91 Mbit/s
95th percentile per-packet one-way delay: 88.881 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

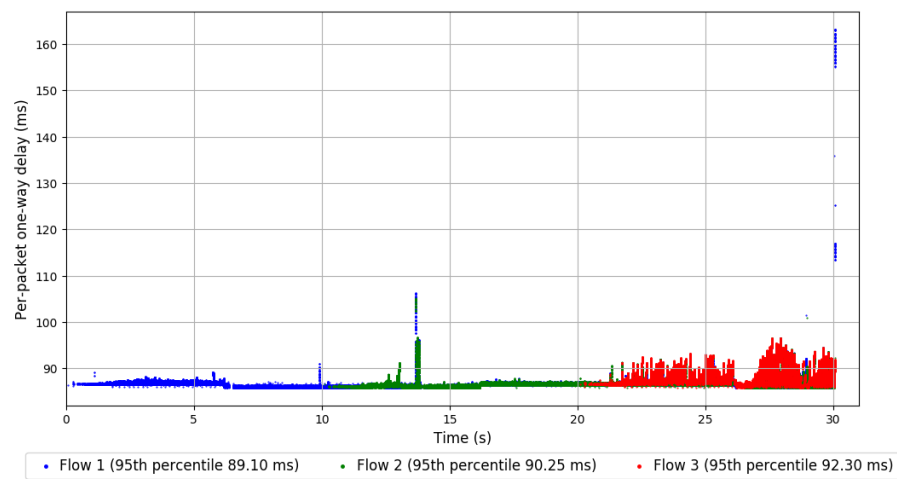
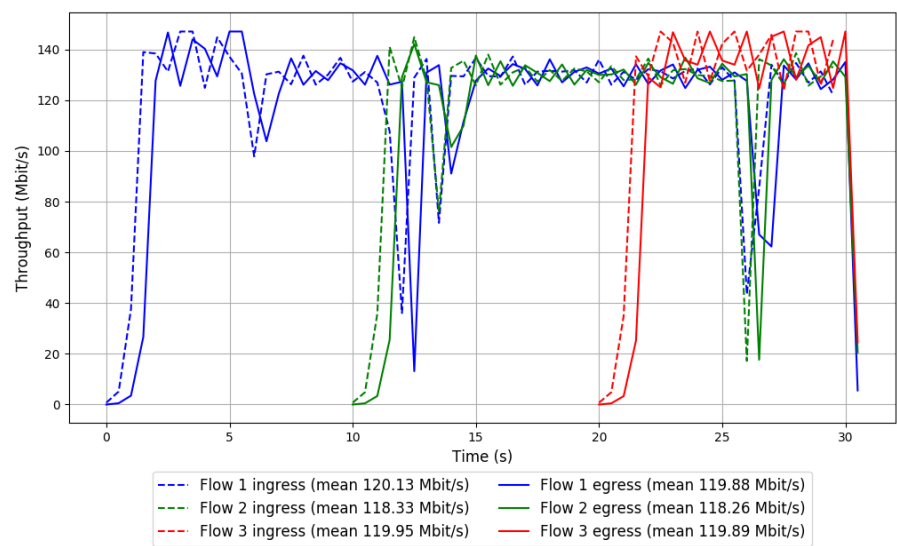


Run 10: Statistics of TCP BBR

Start at: 2018-06-05 11:45:45
End at: 2018-06-05 11:46:15
Local clock offset: -0.082 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-05 12:31:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.47 Mbit/s
95th percentile per-packet one-way delay: 90.847 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 119.88 Mbit/s
95th percentile per-packet one-way delay: 89.102 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 118.26 Mbit/s
95th percentile per-packet one-way delay: 90.246 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 119.89 Mbit/s
95th percentile per-packet one-way delay: 92.296 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

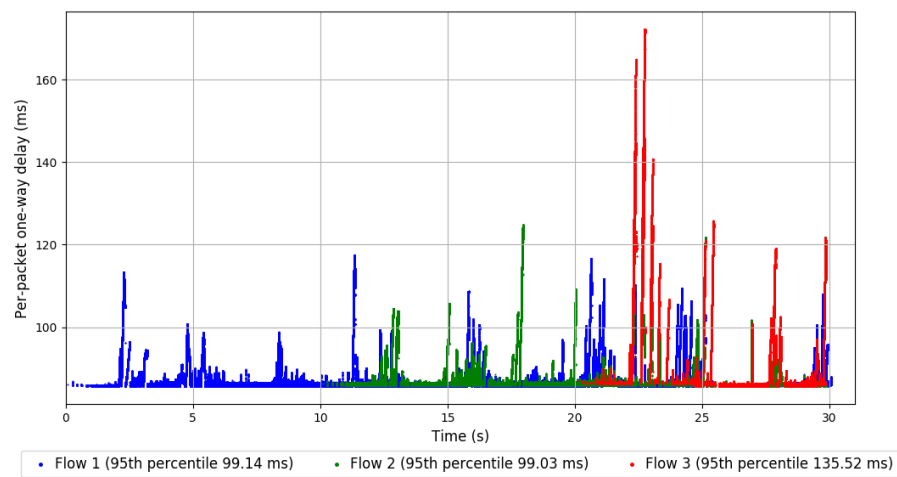
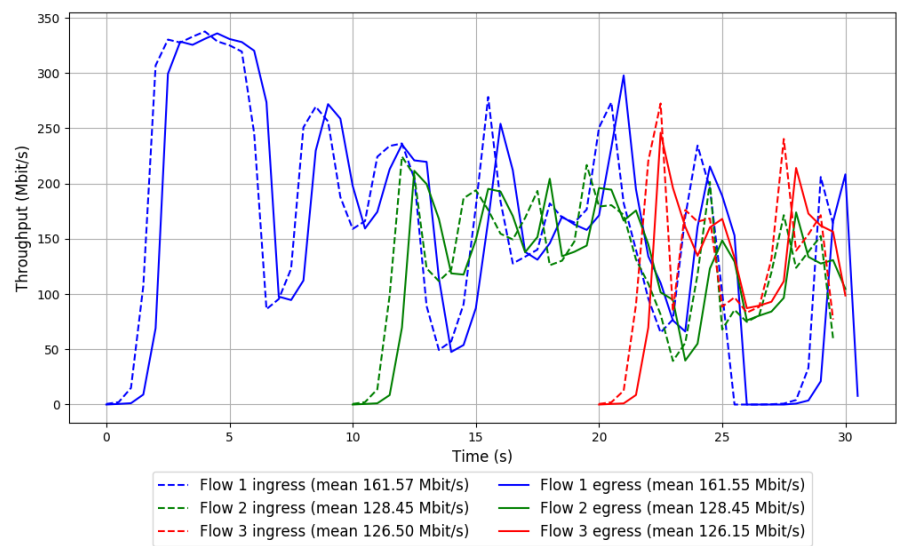


Run 1: Statistics of Copa

Start at: 2018-06-05 08:23:57
End at: 2018-06-05 08:24:27
Local clock offset: -0.109 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 12:37:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 287.52 Mbit/s
95th percentile per-packet one-way delay: 103.532 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 161.55 Mbit/s
95th percentile per-packet one-way delay: 99.139 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 128.45 Mbit/s
95th percentile per-packet one-way delay: 99.033 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.15 Mbit/s
95th percentile per-packet one-way delay: 135.516 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

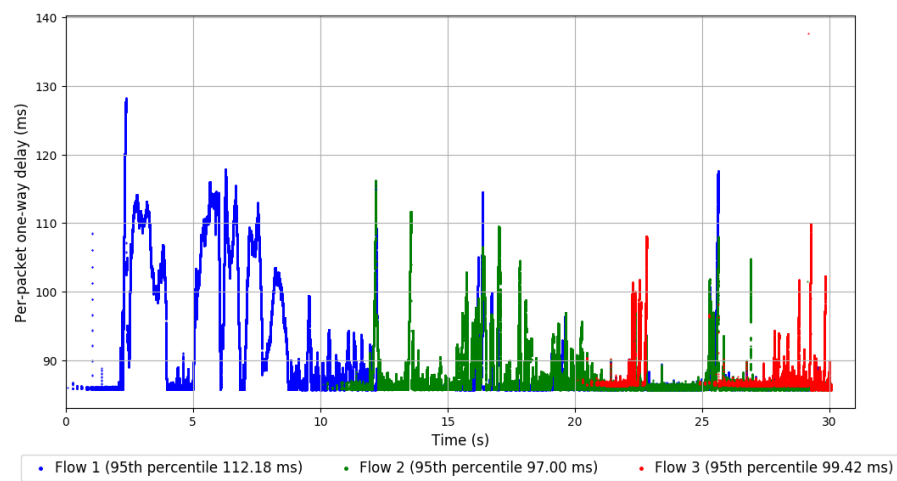
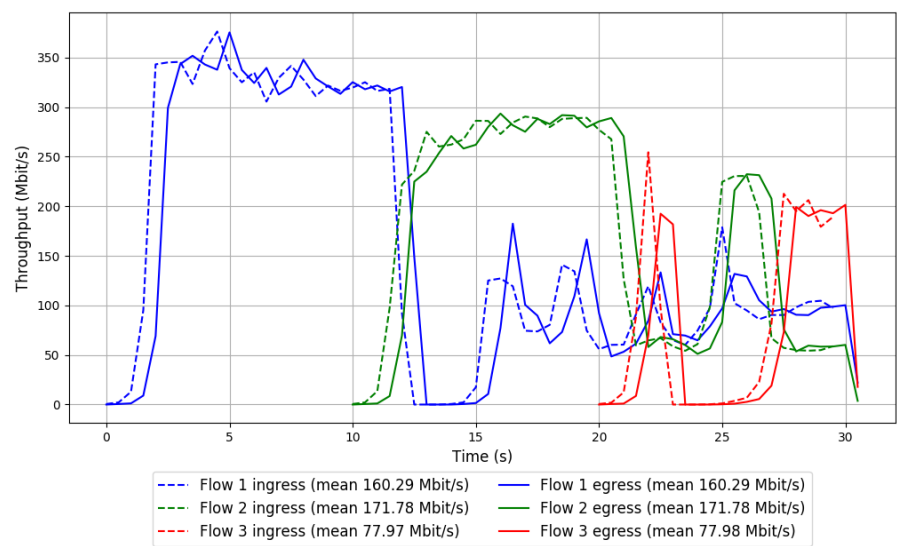


Run 2: Statistics of Copa

Start at: 2018-06-05 08:47:42
End at: 2018-06-05 08:48:12
Local clock offset: 0.018 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 12:37:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.50 Mbit/s
95th percentile per-packet one-way delay: 110.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 160.29 Mbit/s
95th percentile per-packet one-way delay: 112.184 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 171.78 Mbit/s
95th percentile per-packet one-way delay: 97.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 99.416 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

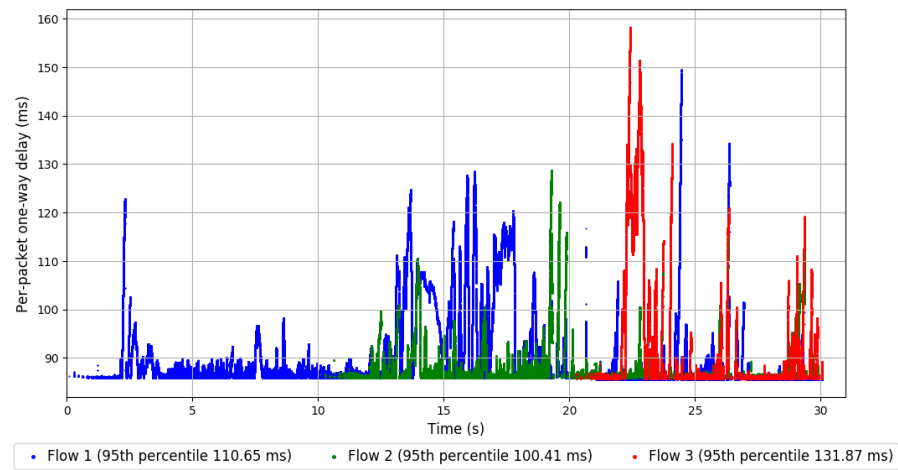
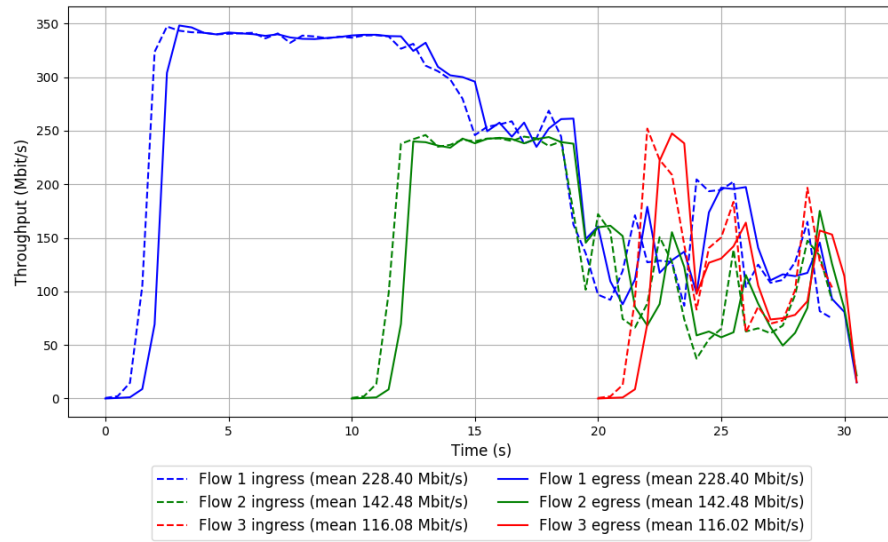


Run 3: Statistics of Copa

Start at: 2018-06-05 09:11:40
End at: 2018-06-05 09:12:10
Local clock offset: 0.13 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-05 12:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.85 Mbit/s
95th percentile per-packet one-way delay: 112.193 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 228.40 Mbit/s
95th percentile per-packet one-way delay: 110.653 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 142.48 Mbit/s
95th percentile per-packet one-way delay: 100.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.02 Mbit/s
95th percentile per-packet one-way delay: 131.868 ms
Loss rate: 0.05%

Run 3: Report of Copa — Data Link

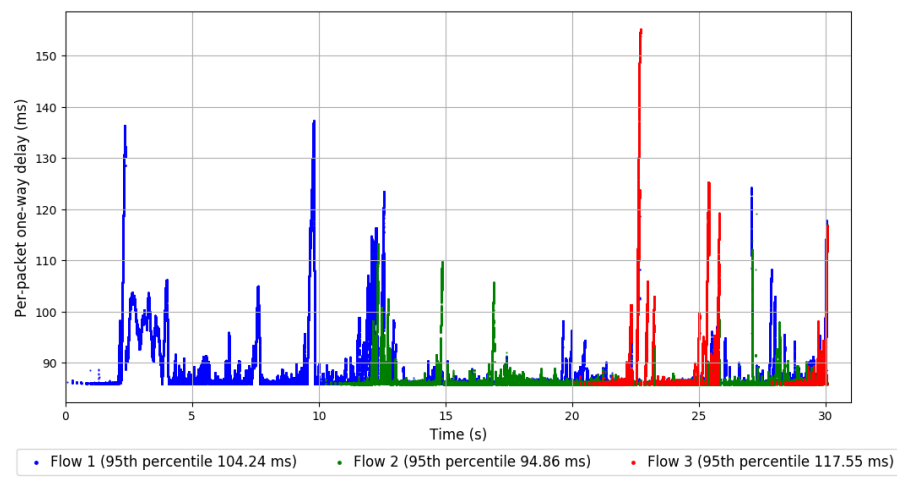
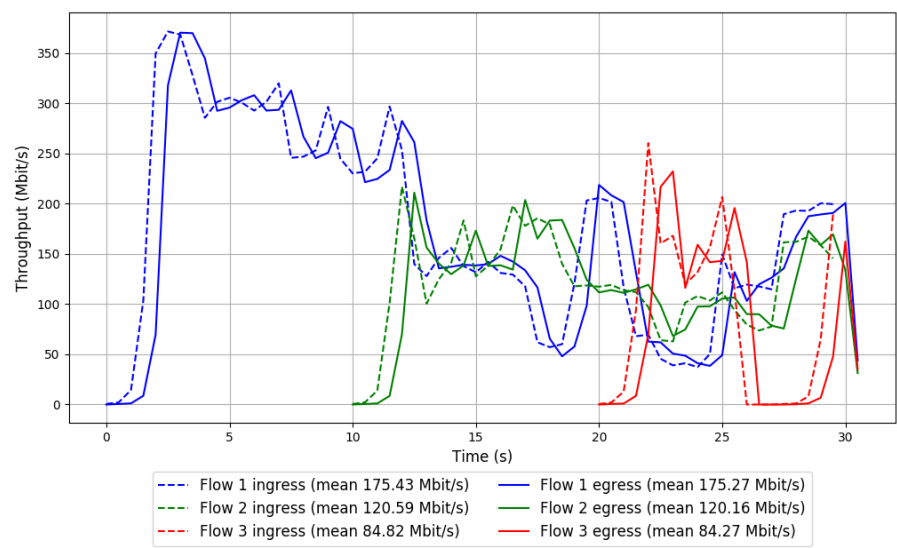


Run 4: Statistics of Copa

Start at: 2018-06-05 09:35:34
End at: 2018-06-05 09:36:04
Local clock offset: -0.116 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-05 12:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 283.30 Mbit/s
95th percentile per-packet one-way delay: 103.420 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 175.27 Mbit/s
95th percentile per-packet one-way delay: 104.242 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 120.16 Mbit/s
95th percentile per-packet one-way delay: 94.862 ms
Loss rate: 0.35%
-- Flow 3:
Average throughput: 84.27 Mbit/s
95th percentile per-packet one-way delay: 117.548 ms
Loss rate: 0.65%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-05 09:59:18

End at: 2018-06-05 09:59:48

Local clock offset: -0.145 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-06-05 12:39:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.87 Mbit/s

95th percentile per-packet one-way delay: 138.608 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 169.45 Mbit/s

95th percentile per-packet one-way delay: 153.039 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 202.75 Mbit/s

95th percentile per-packet one-way delay: 104.909 ms

Loss rate: 0.00%

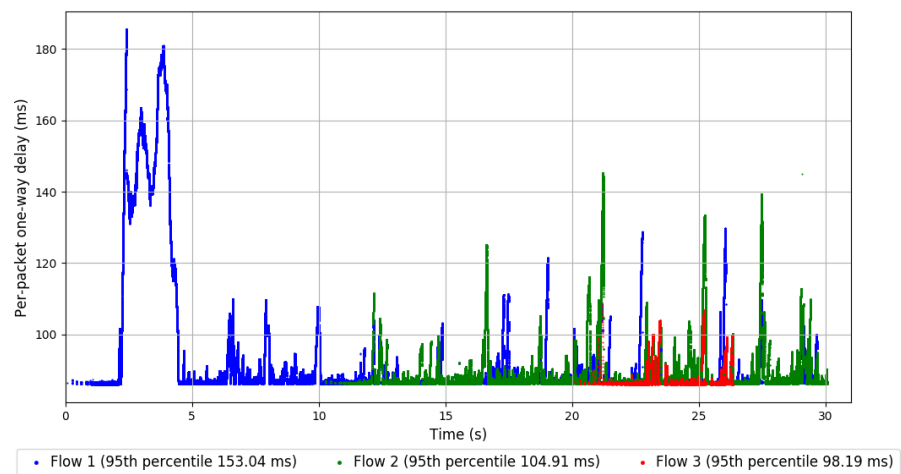
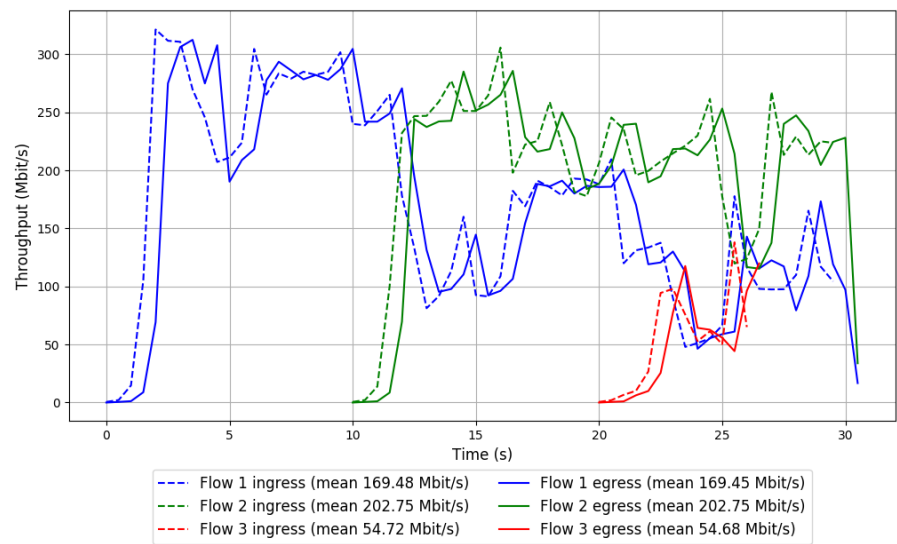
-- Flow 3:

Average throughput: 54.68 Mbit/s

95th percentile per-packet one-way delay: 98.186 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

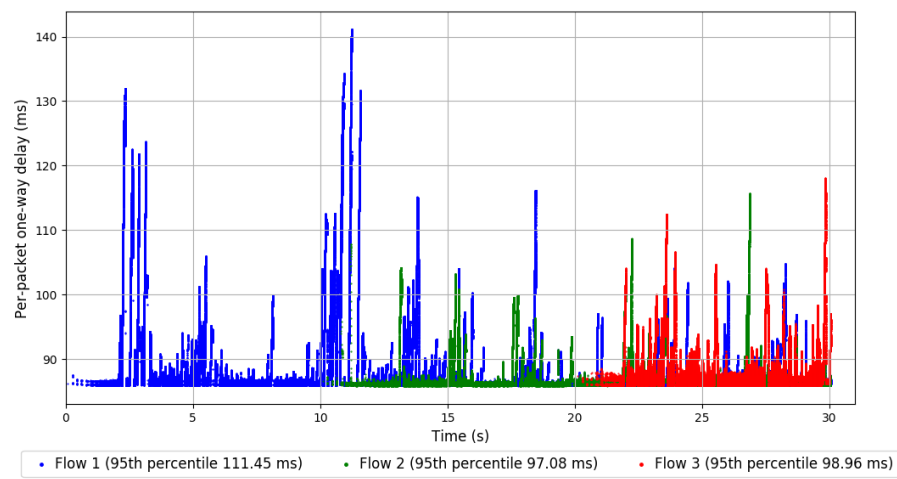
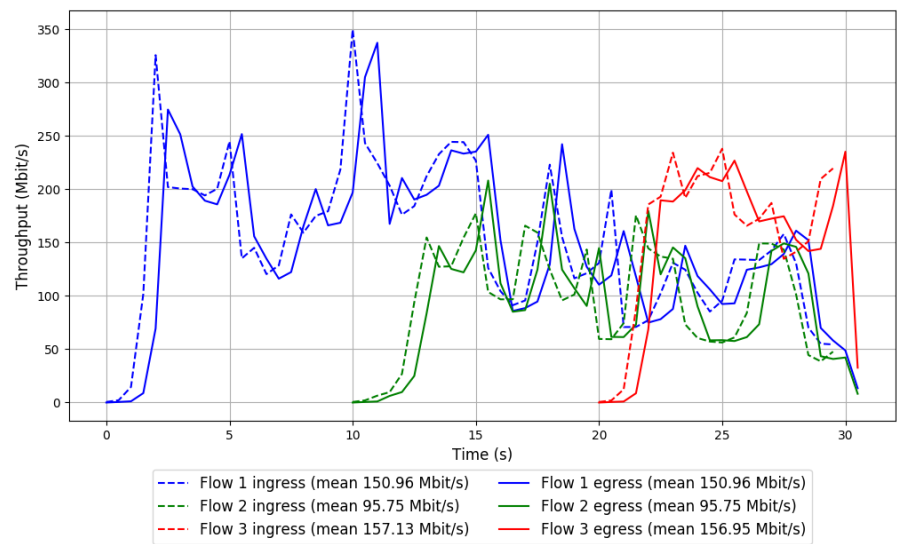


Run 6: Statistics of Copa

Start at: 2018-06-05 10:23:12
End at: 2018-06-05 10:23:42
Local clock offset: -0.055 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 12:39:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.80 Mbit/s
95th percentile per-packet one-way delay: 104.771 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 150.96 Mbit/s
95th percentile per-packet one-way delay: 111.446 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 97.081 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.95 Mbit/s
95th percentile per-packet one-way delay: 98.957 ms
Loss rate: 0.12%

Run 6: Report of Copa — Data Link

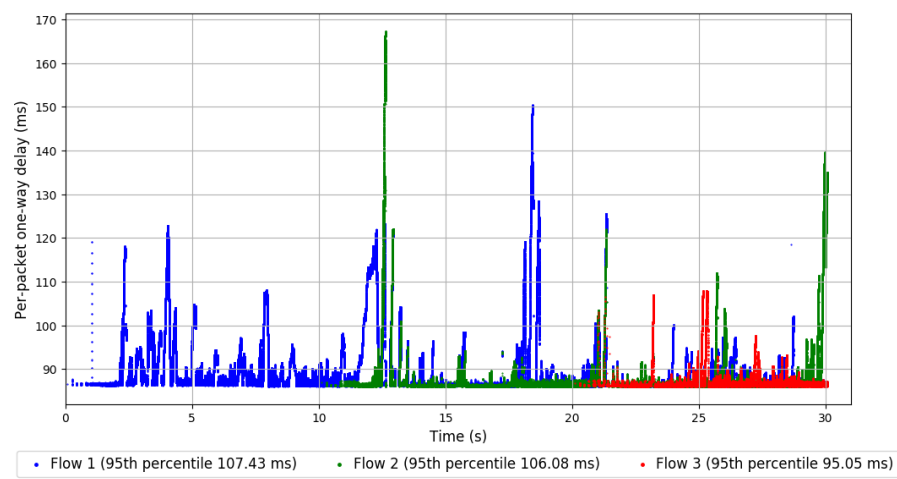
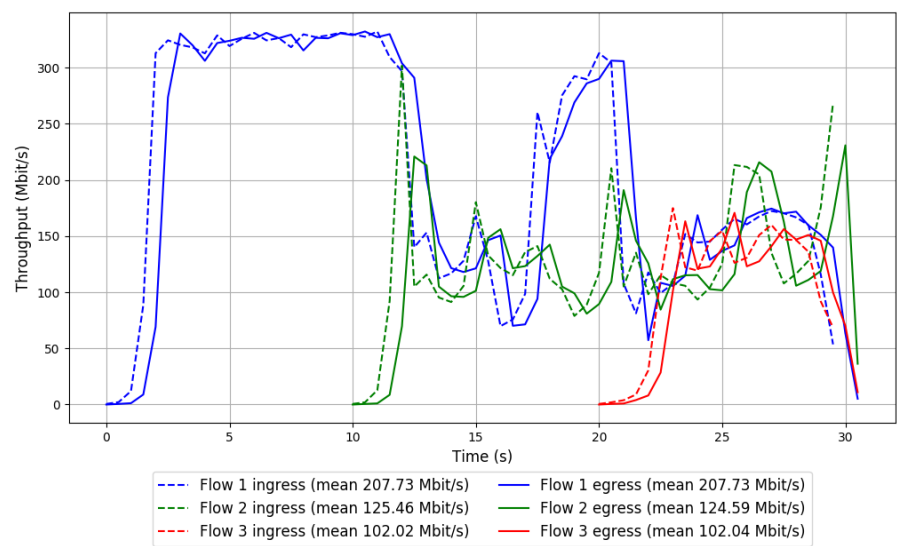


Run 7: Statistics of Copa

Start at: 2018-06-05 10:47:04
End at: 2018-06-05 10:47:34
Local clock offset: -0.202 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-05 12:42:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 324.56 Mbit/s
95th percentile per-packet one-way delay: 105.886 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 207.73 Mbit/s
95th percentile per-packet one-way delay: 107.428 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.59 Mbit/s
95th percentile per-packet one-way delay: 106.076 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 102.04 Mbit/s
95th percentile per-packet one-way delay: 95.050 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

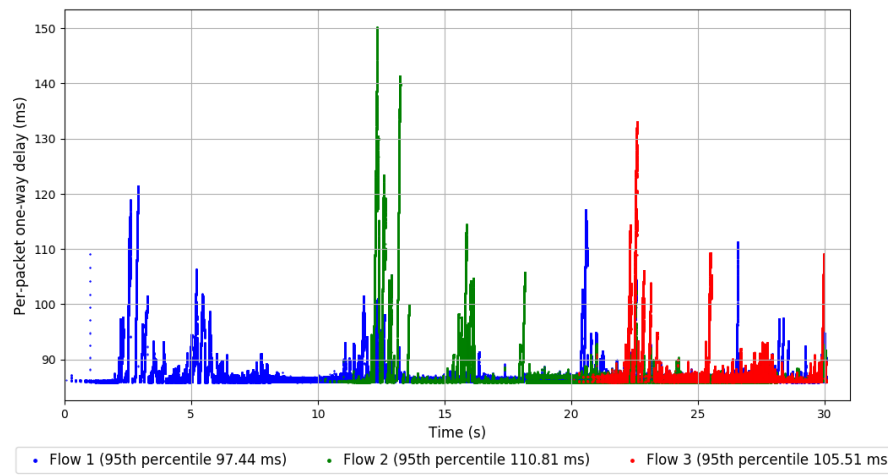
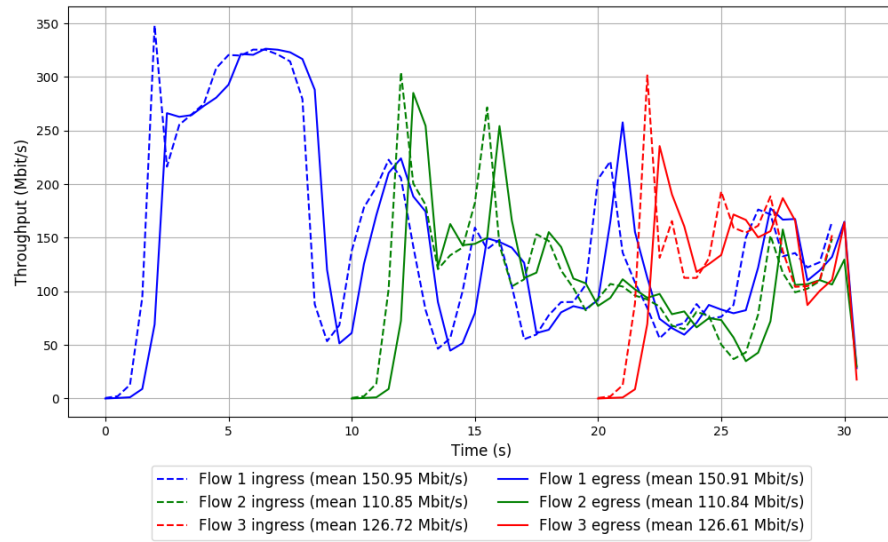


Run 8: Statistics of Copa

Start at: 2018-06-05 11:10:53
End at: 2018-06-05 11:11:23
Local clock offset: -0.082 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-05 12:42:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.79 Mbit/s
95th percentile per-packet one-way delay: 102.477 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 150.91 Mbit/s
95th percentile per-packet one-way delay: 97.443 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 110.84 Mbit/s
95th percentile per-packet one-way delay: 110.808 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 126.61 Mbit/s
95th percentile per-packet one-way delay: 105.507 ms
Loss rate: 0.08%

Run 8: Report of Copa — Data Link

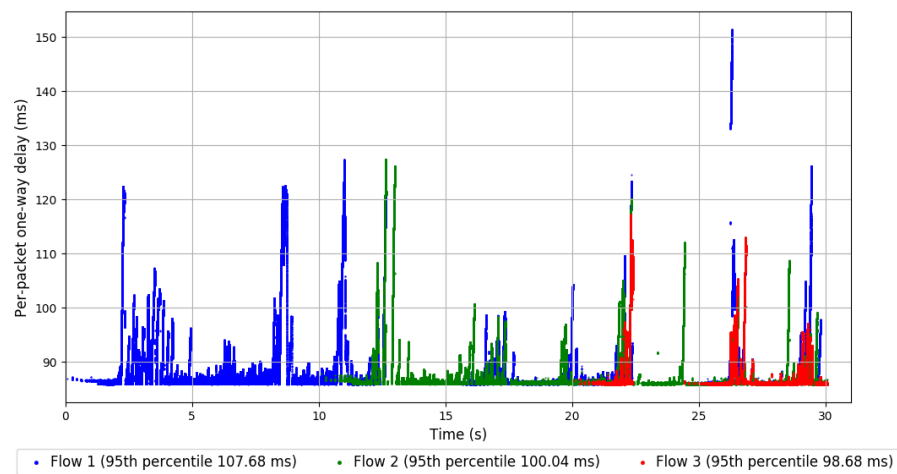
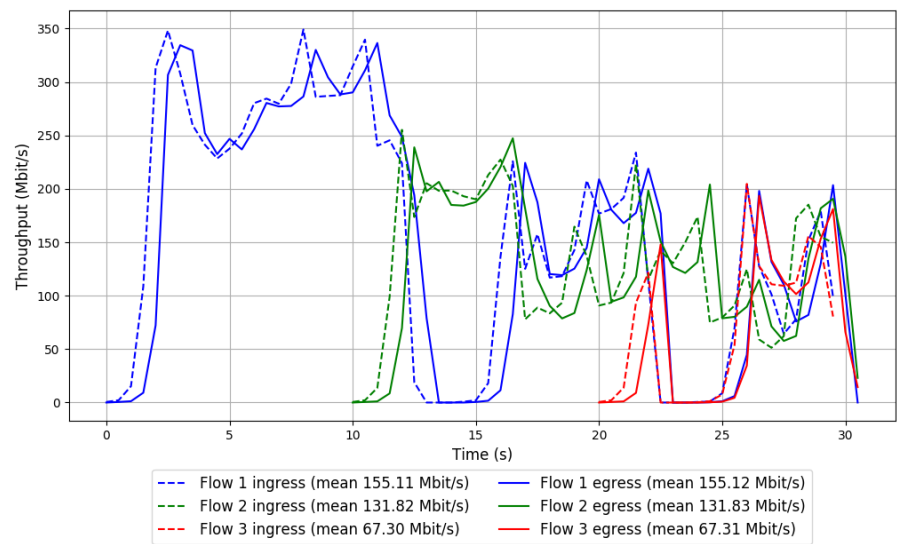


Run 9: Statistics of Copa

Start at: 2018-06-05 11:34:30
End at: 2018-06-05 11:35:00
Local clock offset: -0.079 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-06-05 12:44:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 265.04 Mbit/s
95th percentile per-packet one-way delay: 104.112 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.12 Mbit/s
95th percentile per-packet one-way delay: 107.678 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 131.83 Mbit/s
95th percentile per-packet one-way delay: 100.043 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 98.679 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

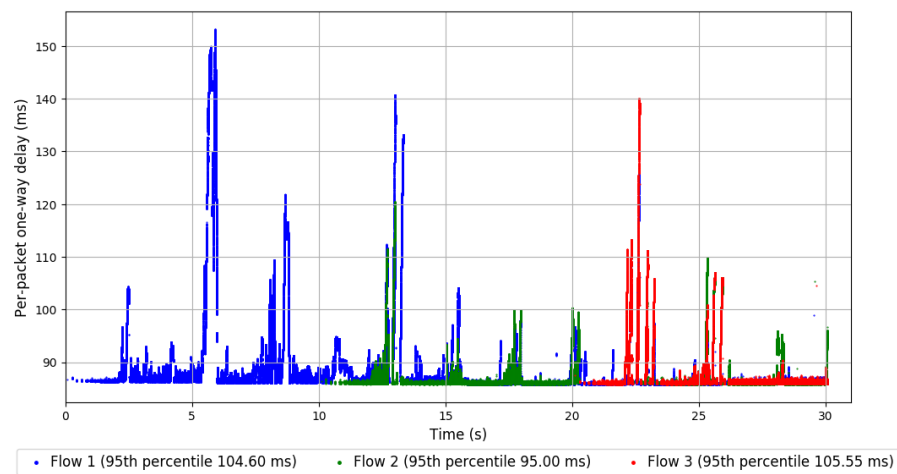
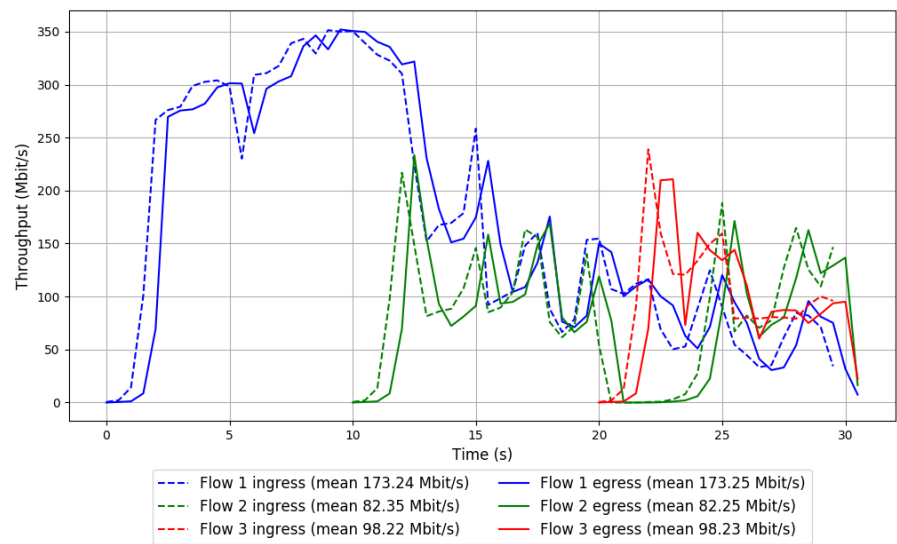


Run 10: Statistics of Copa

Start at: 2018-06-05 11:58:26
End at: 2018-06-05 11:58:56
Local clock offset: -0.038 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 260.62 Mbit/s
95th percentile per-packet one-way delay: 103.159 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 173.25 Mbit/s
95th percentile per-packet one-way delay: 104.604 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 82.25 Mbit/s
95th percentile per-packet one-way delay: 95.002 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 98.23 Mbit/s
95th percentile per-packet one-way delay: 105.553 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

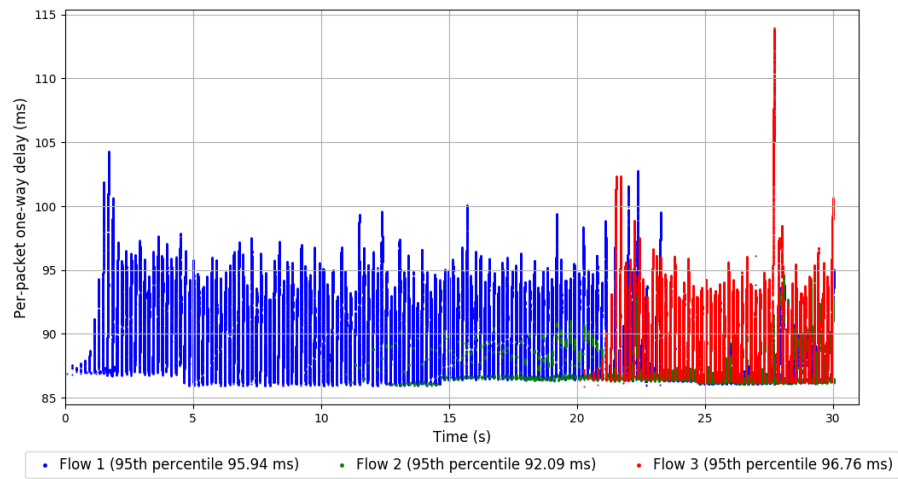
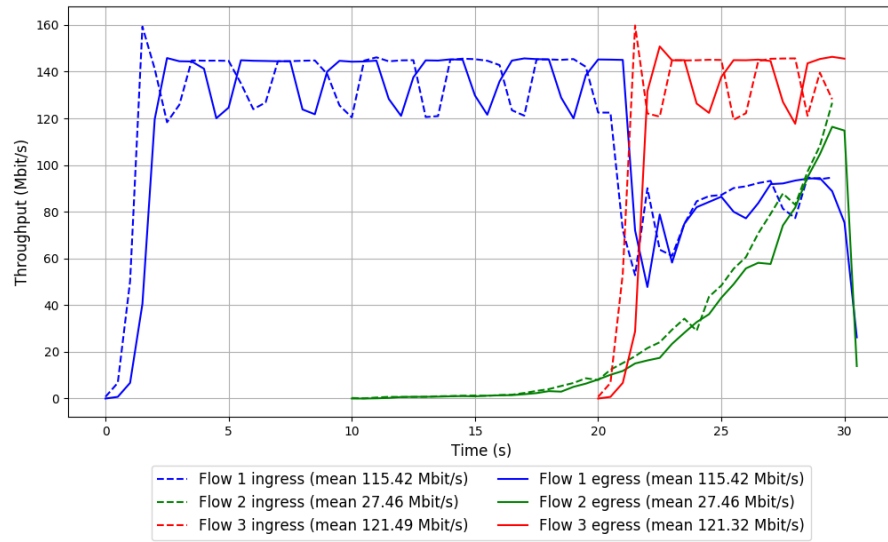


Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 08:31:17
End at: 2018-06-05 08:31:47
Local clock offset: -0.114 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.75 Mbit/s
95th percentile per-packet one-way delay: 95.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 115.42 Mbit/s
95th percentile per-packet one-way delay: 95.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.46 Mbit/s
95th percentile per-packet one-way delay: 92.086 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 121.32 Mbit/s
95th percentile per-packet one-way delay: 96.759 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

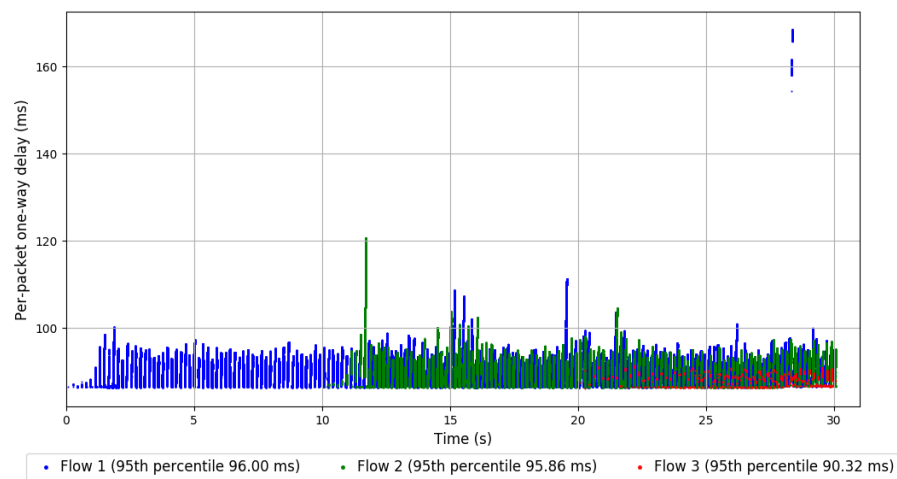
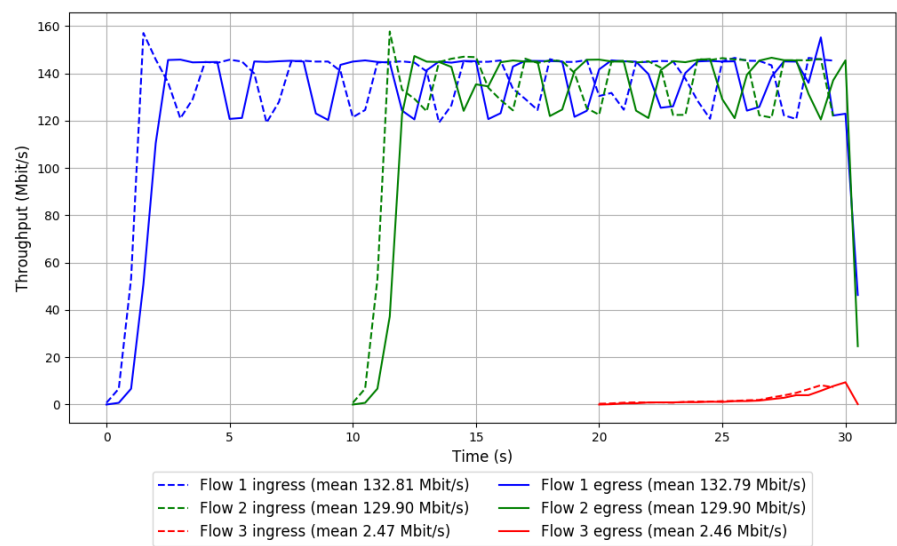


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 08:55:13
End at: 2018-06-05 08:55:43
Local clock offset: -0.219 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 220.04 Mbit/s
95th percentile per-packet one-way delay: 95.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.79 Mbit/s
95th percentile per-packet one-way delay: 95.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.90 Mbit/s
95th percentile per-packet one-way delay: 95.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 90.320 ms
Loss rate: 0.39%

Run 2: Report of TCP Cubic — Data Link

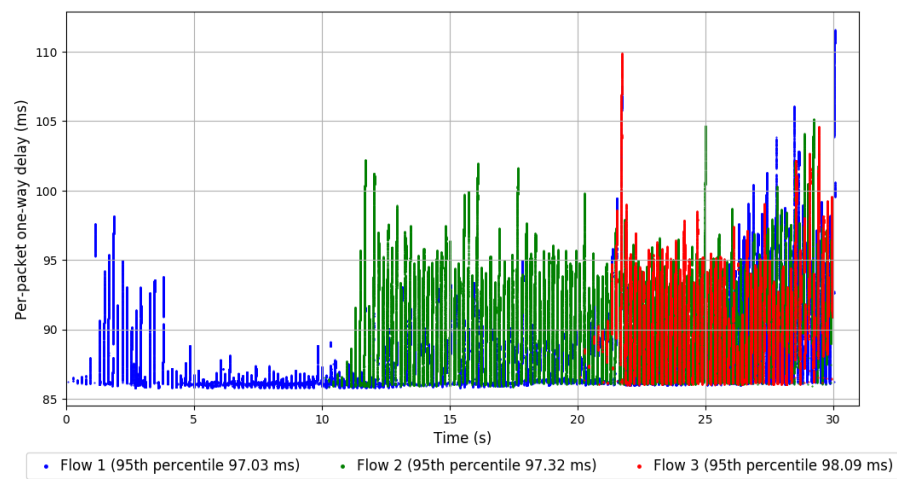
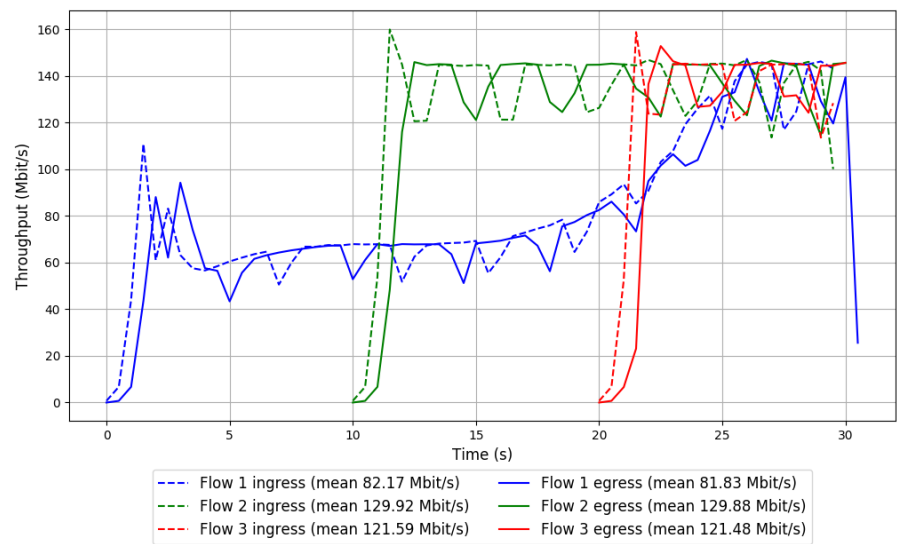


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 09:19:14
End at: 2018-06-05 09:19:44
Local clock offset: -0.029 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.78 Mbit/s
95th percentile per-packet one-way delay: 97.419 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 81.83 Mbit/s
95th percentile per-packet one-way delay: 97.026 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 129.88 Mbit/s
95th percentile per-packet one-way delay: 97.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.48 Mbit/s
95th percentile per-packet one-way delay: 98.095 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 09:43:01

End at: 2018-06-05 09:43:31

Local clock offset: -0.162 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-06-05 12:45:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 167.16 Mbit/s

95th percentile per-packet one-way delay: 95.900 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 83.75 Mbit/s

95th percentile per-packet one-way delay: 93.039 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 65.08 Mbit/s

95th percentile per-packet one-way delay: 93.892 ms

Loss rate: 0.29%

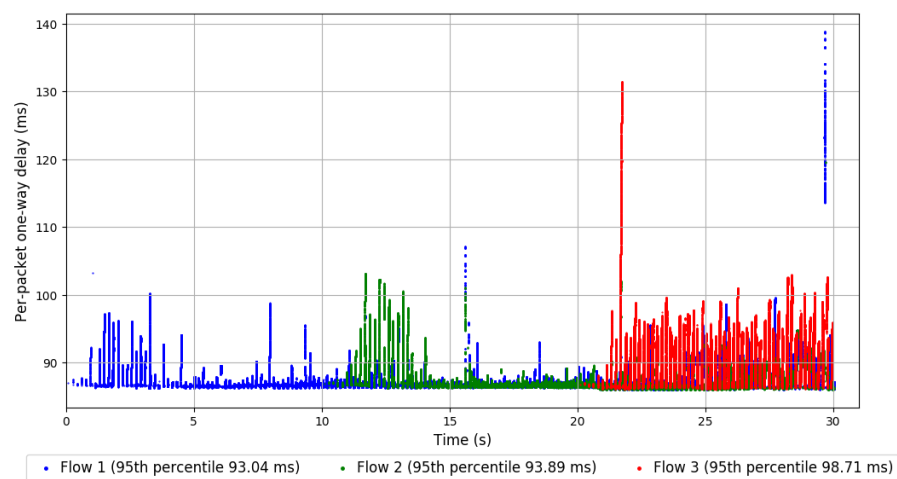
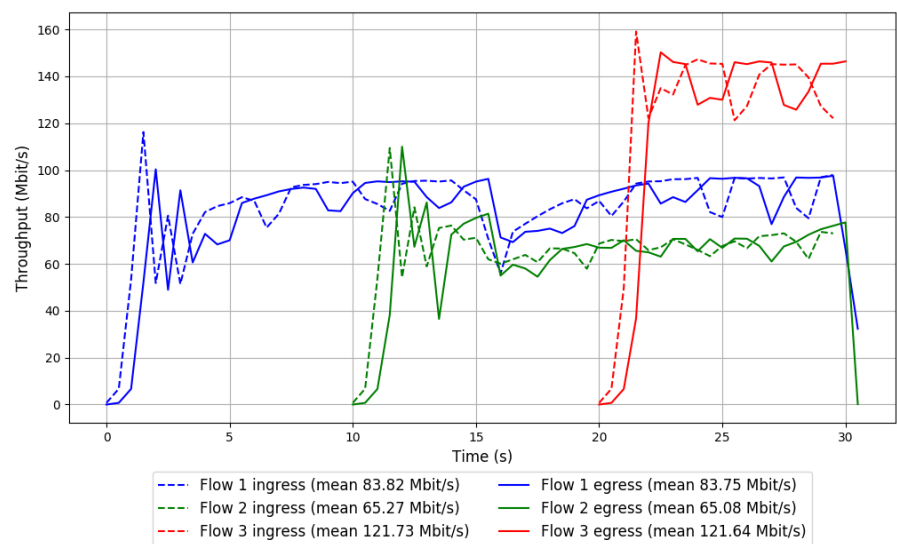
-- Flow 3:

Average throughput: 121.64 Mbit/s

95th percentile per-packet one-way delay: 98.713 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

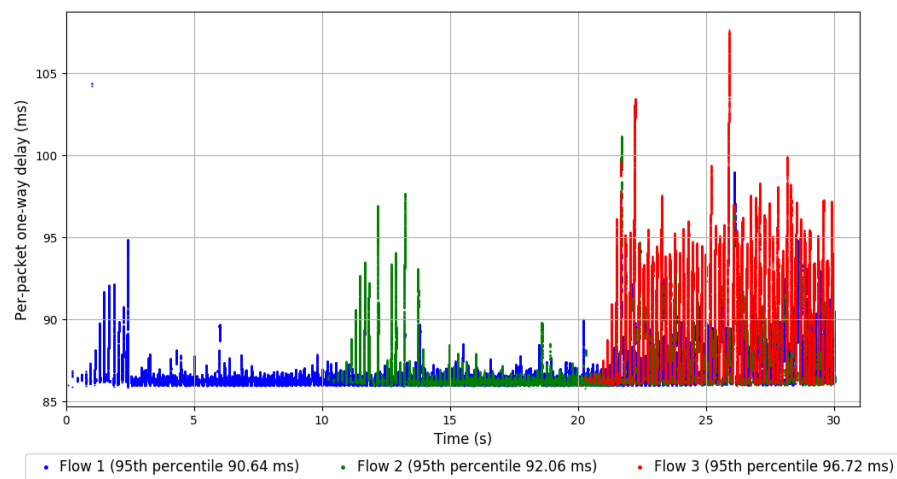
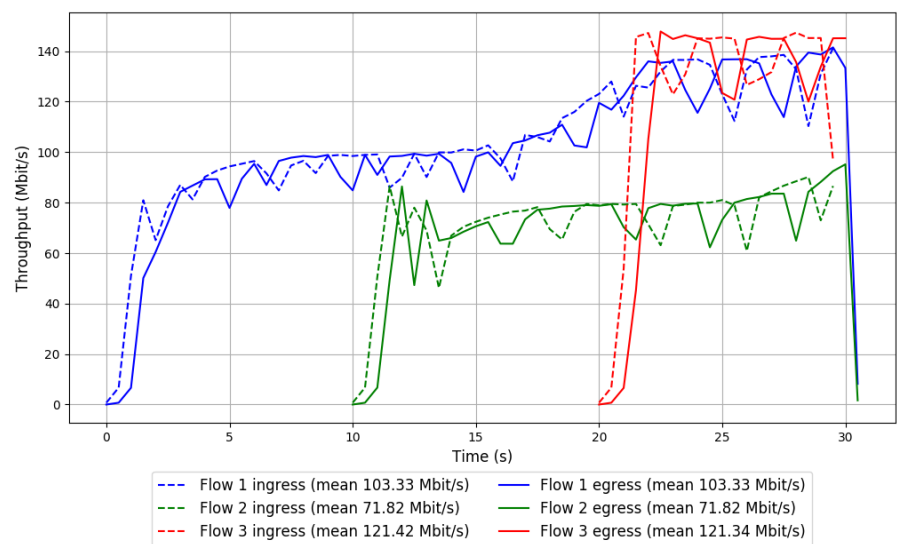


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 10:06:55
End at: 2018-06-05 10:07:25
Local clock offset: 0.118 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 190.96 Mbit/s
95th percentile per-packet one-way delay: 94.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.33 Mbit/s
95th percentile per-packet one-way delay: 90.635 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 92.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 96.721 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link

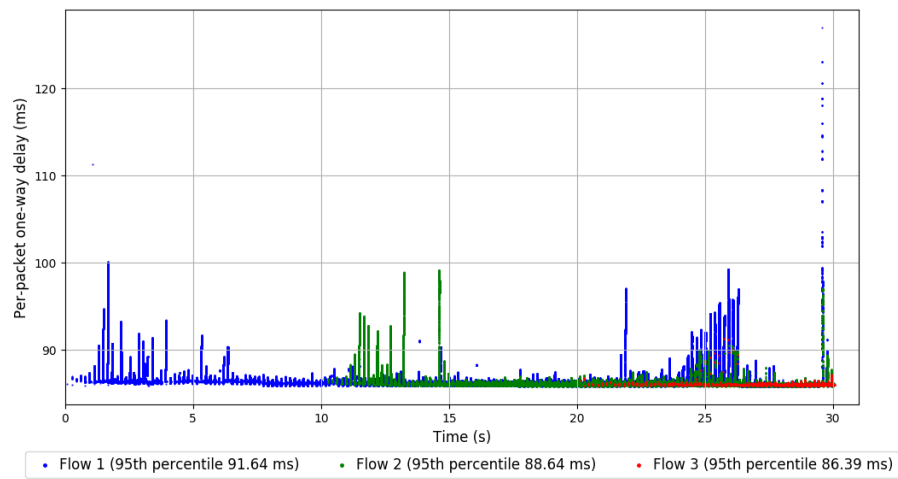
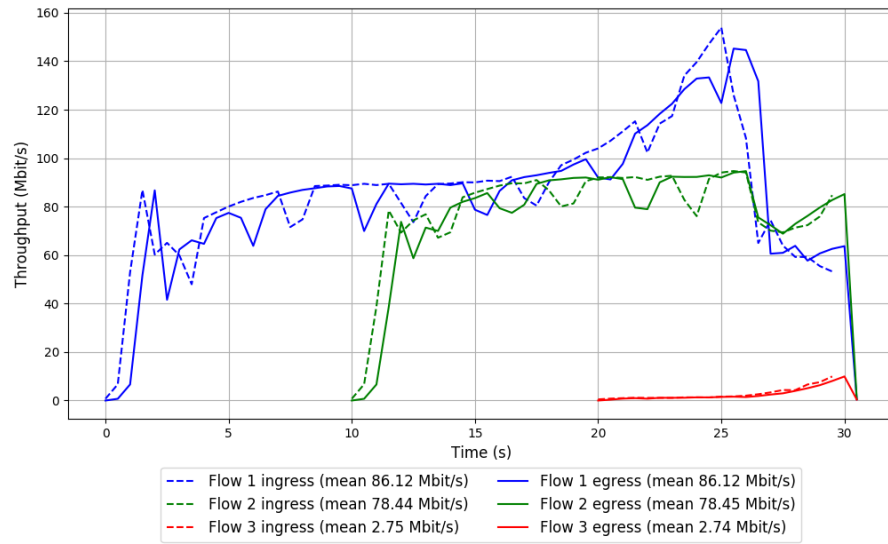


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 10:30:34
End at: 2018-06-05 10:31:04
Local clock offset: -0.069 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 139.14 Mbit/s
95th percentile per-packet one-way delay: 90.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 91.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.45 Mbit/s
95th percentile per-packet one-way delay: 88.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 0.22%

Run 6: Report of TCP Cubic — Data Link

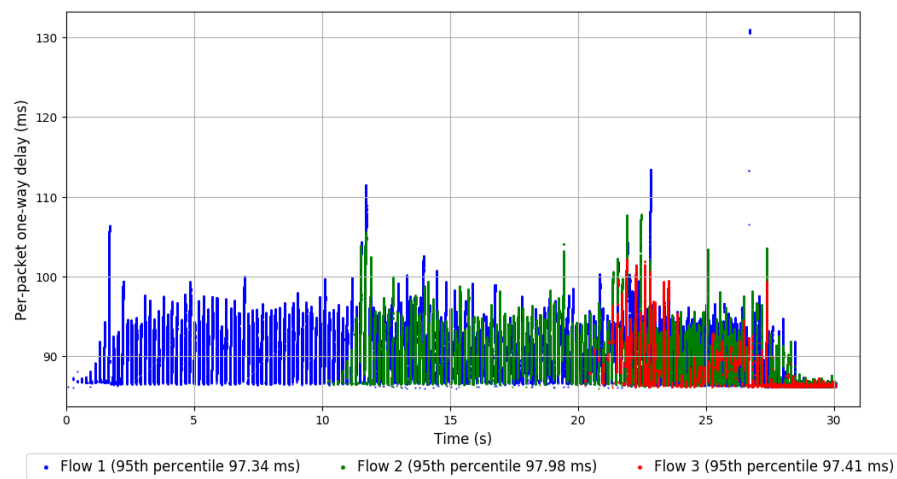
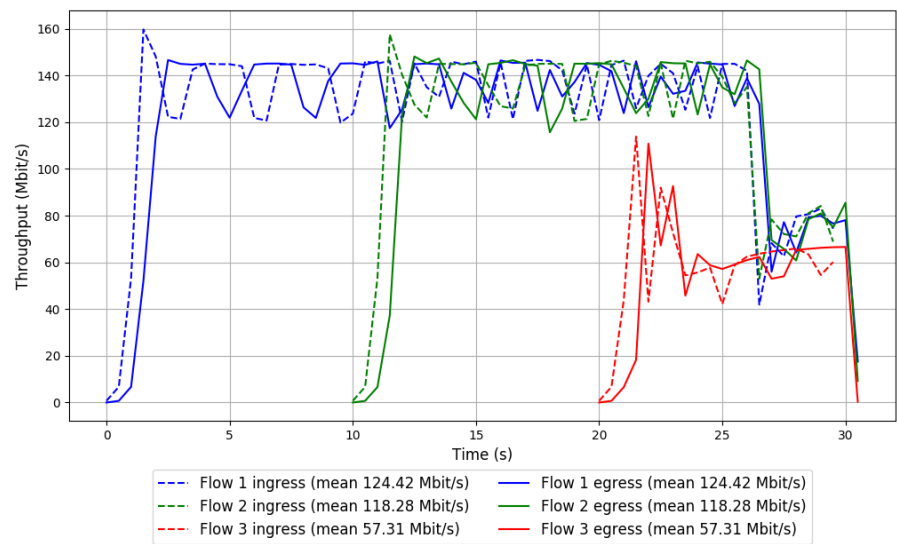


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 10:54:30
End at: 2018-06-05 10:55:00
Local clock offset: -0.117 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 222.10 Mbit/s
95th percentile per-packet one-way delay: 97.507 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.42 Mbit/s
95th percentile per-packet one-way delay: 97.340 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.28 Mbit/s
95th percentile per-packet one-way delay: 97.982 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 97.413 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

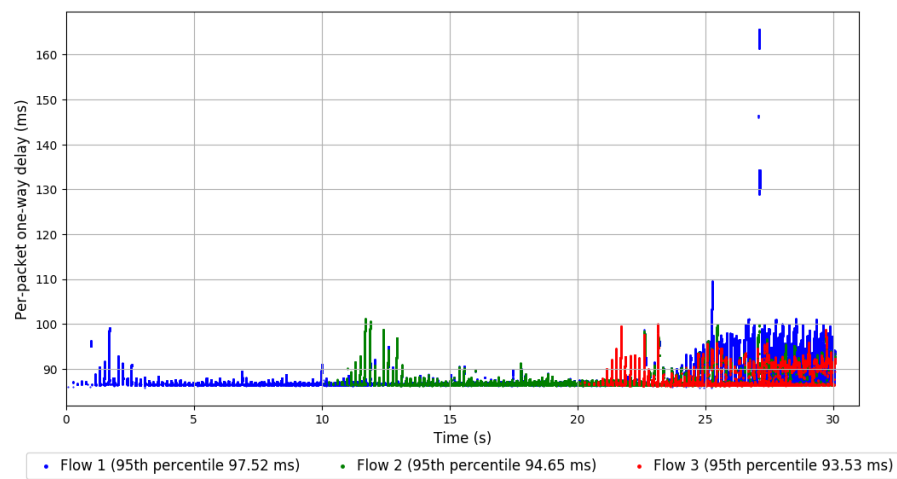
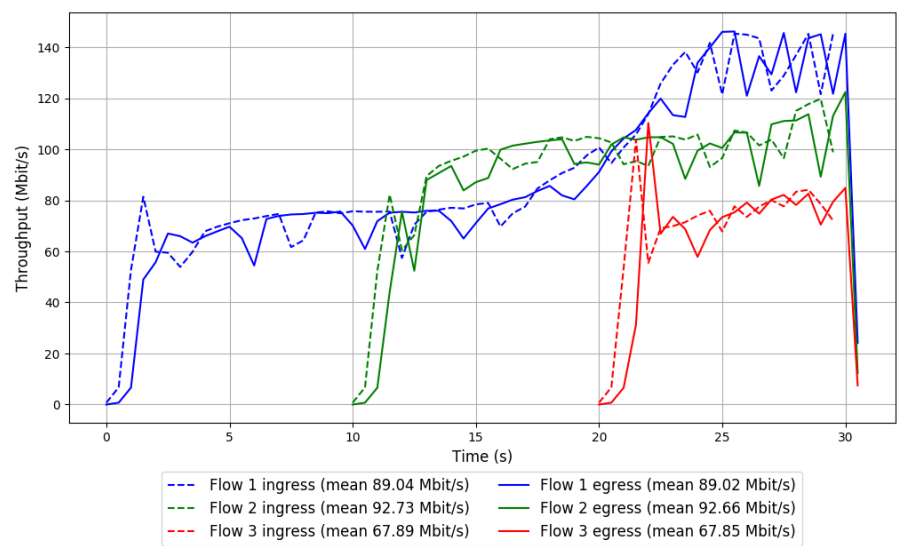


Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 11:18:16
End at: 2018-06-05 11:18:46
Local clock offset: 0.047 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-05 12:45:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 173.26 Mbit/s
95th percentile per-packet one-way delay: 96.391 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 97.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 92.66 Mbit/s
95th percentile per-packet one-way delay: 94.649 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 67.85 Mbit/s
95th percentile per-packet one-way delay: 93.526 ms
Loss rate: 0.05%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 11:42:01

End at: 2018-06-05 11:42:31

Local clock offset: -0.034 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-06-05 12:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 175.05 Mbit/s

95th percentile per-packet one-way delay: 95.974 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 94.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.93 Mbit/s

95th percentile per-packet one-way delay: 96.710 ms

Loss rate: 0.00%

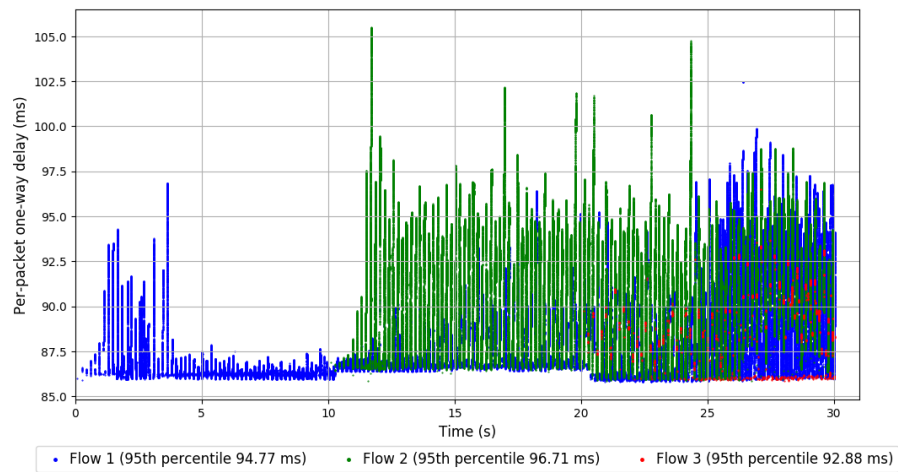
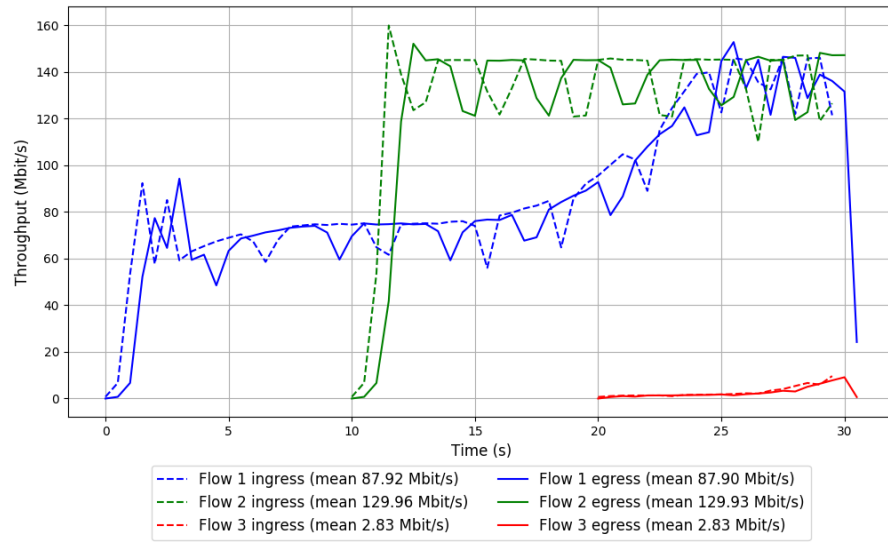
-- Flow 3:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 92.880 ms

Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link

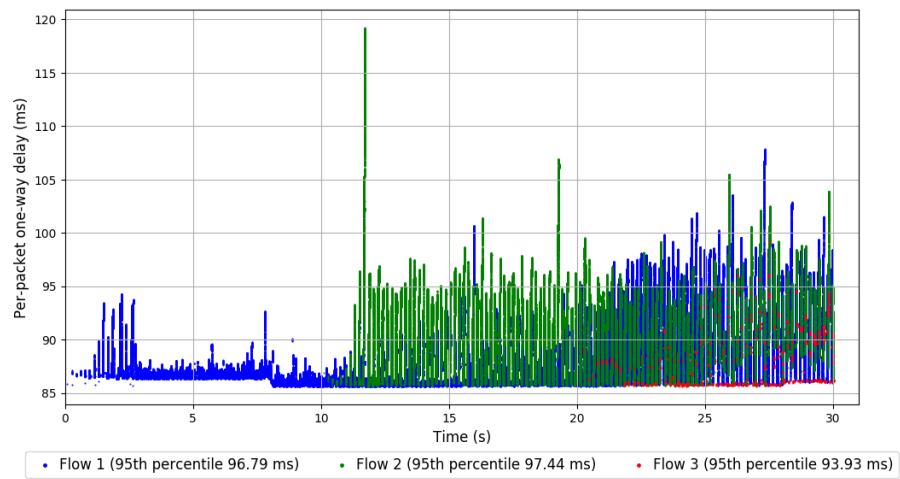
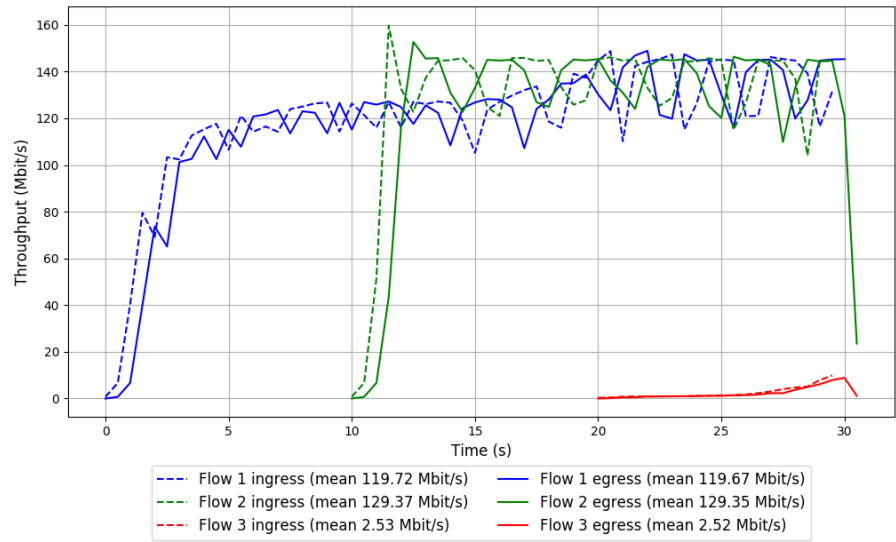


Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 12:05:54
End at: 2018-06-05 12:06:24
Local clock offset: 0.178 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-05 12:46:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.28 Mbit/s
95th percentile per-packet one-way delay: 97.014 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.67 Mbit/s
95th percentile per-packet one-way delay: 96.790 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.35 Mbit/s
95th percentile per-packet one-way delay: 97.444 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.52 Mbit/s
95th percentile per-packet one-way delay: 93.926 ms
Loss rate: 0.38%

Run 10: Report of TCP Cubic — Data Link

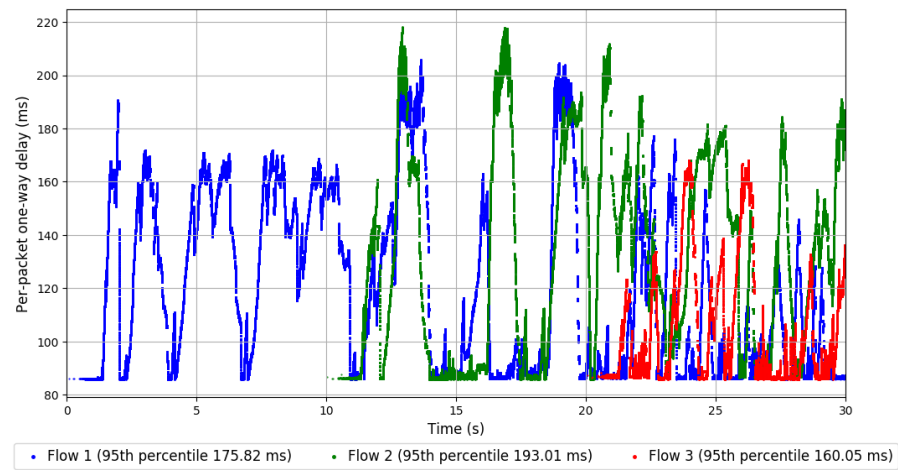
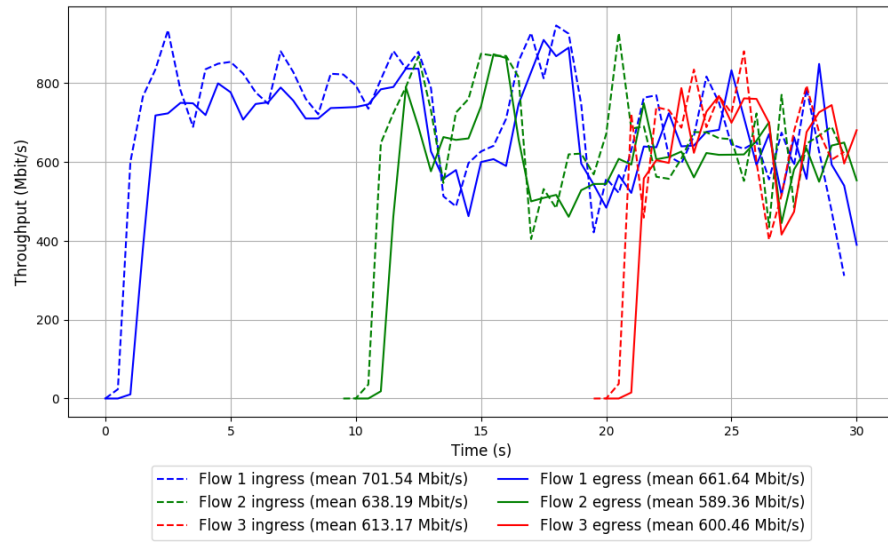


Run 1: Statistics of FillP

Start at: 2018-06-05 08:19:19
End at: 2018-06-05 08:19:49
Local clock offset: -0.139 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-05 13:07:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 1254.18 Mbit/s
95th percentile per-packet one-way delay: 183.867 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 661.64 Mbit/s
95th percentile per-packet one-way delay: 175.822 ms
Loss rate: 5.69%
-- Flow 2:
Average throughput: 589.36 Mbit/s
95th percentile per-packet one-way delay: 193.014 ms
Loss rate: 7.64%
-- Flow 3:
Average throughput: 600.46 Mbit/s
95th percentile per-packet one-way delay: 160.052 ms
Loss rate: 2.08%

Run 1: Report of FillP — Data Link

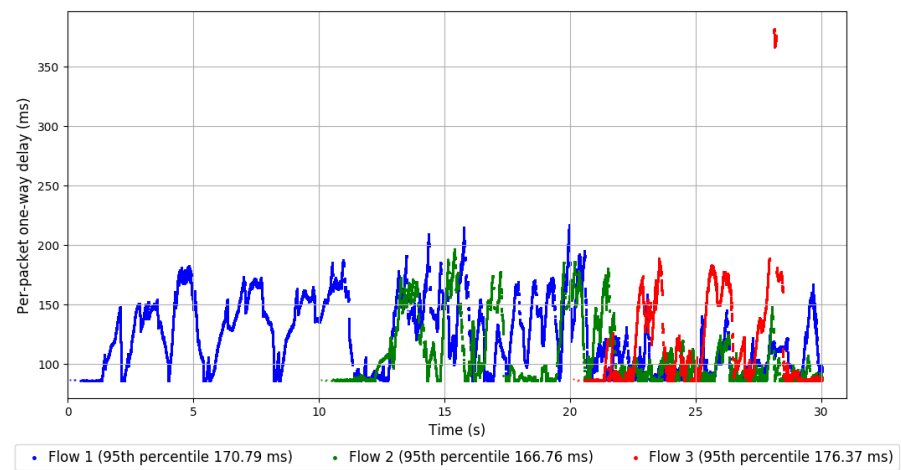
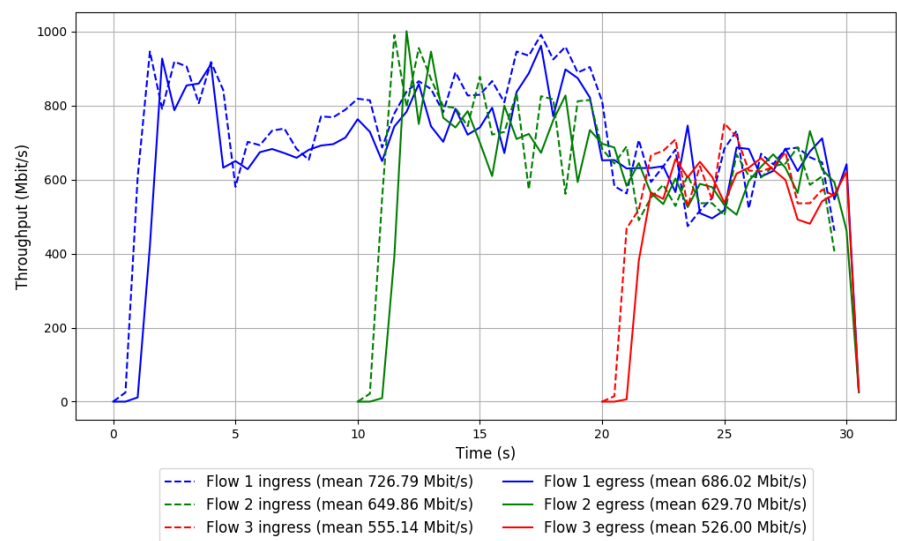


Run 2: Statistics of FillP

Start at: 2018-06-05 08:43:01
End at: 2018-06-05 08:43:31
Local clock offset: 0.012 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-05 13:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1278.95 Mbit/s
95th percentile per-packet one-way delay: 171.721 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 686.02 Mbit/s
95th percentile per-packet one-way delay: 170.795 ms
Loss rate: 5.73%
-- Flow 2:
Average throughput: 629.70 Mbit/s
95th percentile per-packet one-way delay: 166.760 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 526.00 Mbit/s
95th percentile per-packet one-way delay: 176.366 ms
Loss rate: 5.23%

Run 2: Report of FillP — Data Link

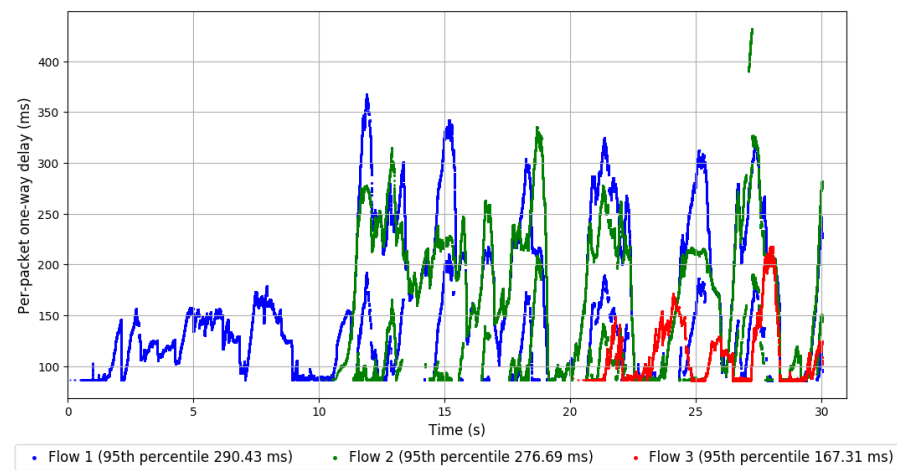
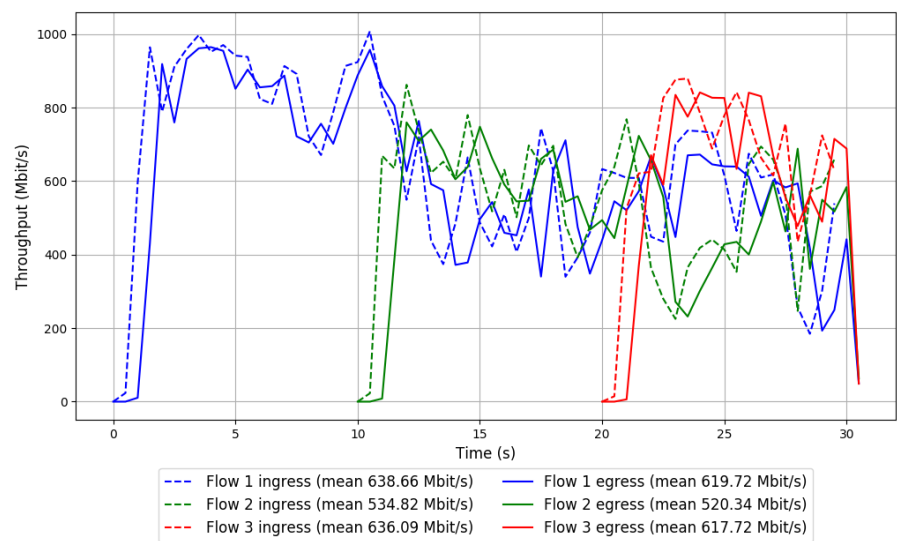


Run 3: Statistics of FillP

Start at: 2018-06-05 09:07:07
End at: 2018-06-05 09:07:37
Local clock offset: -0.225 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-05 13:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1170.69 Mbit/s
95th percentile per-packet one-way delay: 278.065 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 619.72 Mbit/s
95th percentile per-packet one-way delay: 290.427 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 520.34 Mbit/s
95th percentile per-packet one-way delay: 276.693 ms
Loss rate: 2.71%
-- Flow 3:
Average throughput: 617.72 Mbit/s
95th percentile per-packet one-way delay: 167.309 ms
Loss rate: 2.90%

Run 3: Report of FillP — Data Link

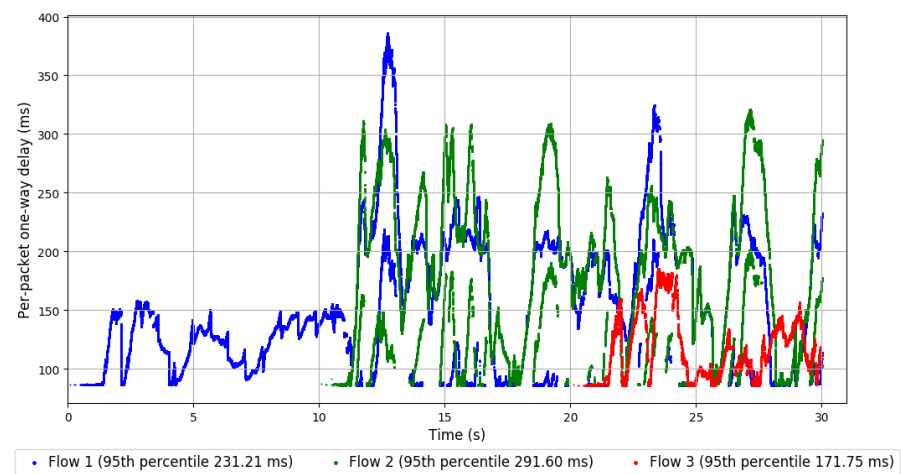
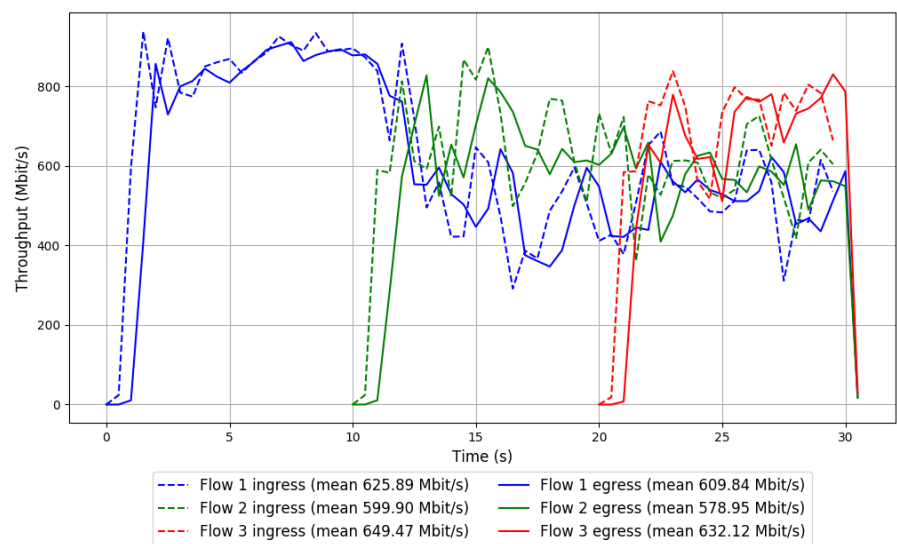


Run 4: Statistics of FillP

Start at: 2018-06-05 09:31:02
End at: 2018-06-05 09:31:32
Local clock offset: -0.177 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-05 13:08:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.44 Mbit/s
95th percentile per-packet one-way delay: 268.115 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 609.84 Mbit/s
95th percentile per-packet one-way delay: 231.206 ms
Loss rate: 2.56%
-- Flow 2:
Average throughput: 578.95 Mbit/s
95th percentile per-packet one-way delay: 291.600 ms
Loss rate: 3.48%
-- Flow 3:
Average throughput: 632.12 Mbit/s
95th percentile per-packet one-way delay: 171.747 ms
Loss rate: 2.67%

Run 4: Report of FillP — Data Link

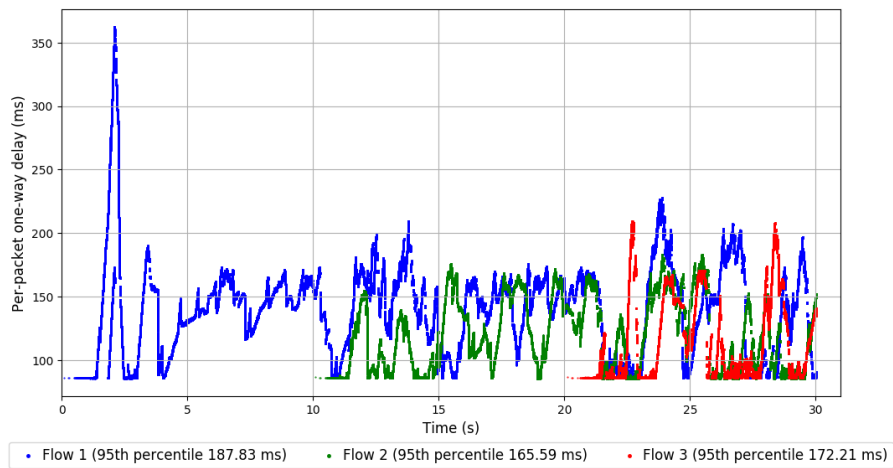
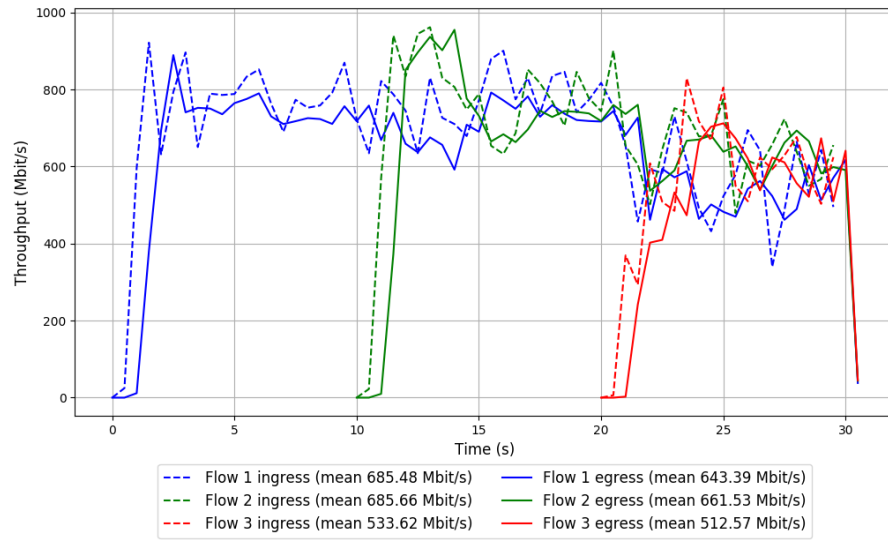


Run 5: Statistics of FillP

Start at: 2018-06-05 09:54:43
End at: 2018-06-05 09:55:13
Local clock offset: -0.018 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-06-05 13:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1253.34 Mbit/s
95th percentile per-packet one-way delay: 178.388 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 643.39 Mbit/s
95th percentile per-packet one-way delay: 187.827 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 661.53 Mbit/s
95th percentile per-packet one-way delay: 165.594 ms
Loss rate: 3.52%
-- Flow 3:
Average throughput: 512.57 Mbit/s
95th percentile per-packet one-way delay: 172.205 ms
Loss rate: 3.93%

Run 5: Report of FillP — Data Link

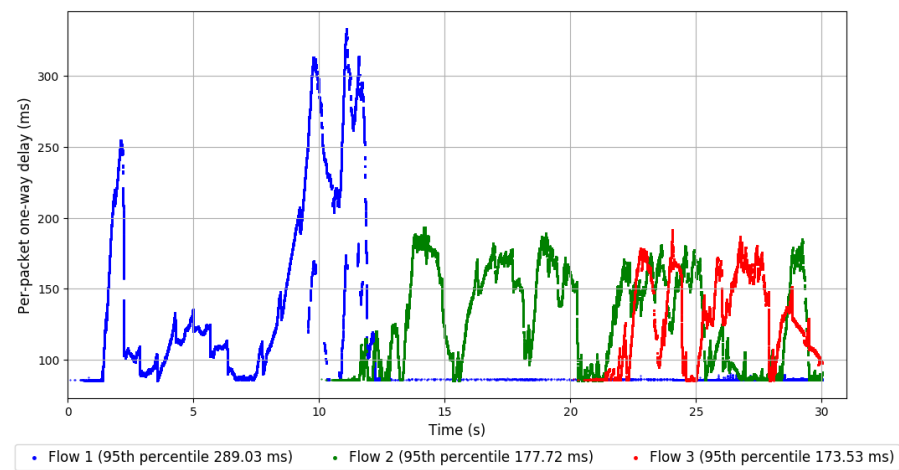
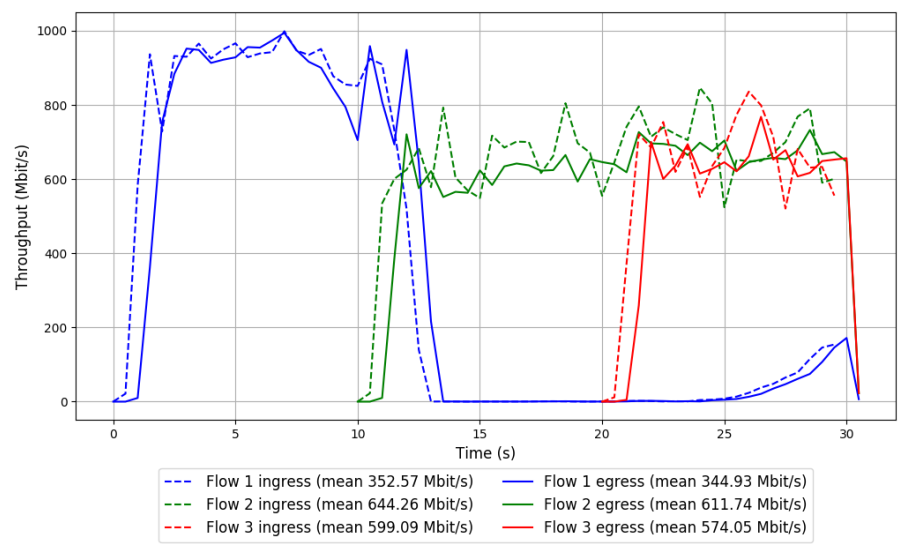


Run 6: Statistics of FillP

Start at: 2018-06-05 10:18:47
End at: 2018-06-05 10:19:17
Local clock offset: 0.295 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-05 13:10:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 942.18 Mbit/s
95th percentile per-packet one-way delay: 236.757 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 344.93 Mbit/s
95th percentile per-packet one-way delay: 289.032 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 611.74 Mbit/s
95th percentile per-packet one-way delay: 177.719 ms
Loss rate: 5.05%
-- Flow 3:
Average throughput: 574.05 Mbit/s
95th percentile per-packet one-way delay: 173.530 ms
Loss rate: 4.18%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-05 10:42:27

End at: 2018-06-05 10:42:57

Local clock offset: -0.154 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-05 13:11:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 1308.66 Mbit/s

95th percentile per-packet one-way delay: 163.624 ms

Loss rate: 2.14%

-- Flow 1:

Average throughput: 700.13 Mbit/s

95th percentile per-packet one-way delay: 164.075 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 634.65 Mbit/s

95th percentile per-packet one-way delay: 165.322 ms

Loss rate: 2.52%

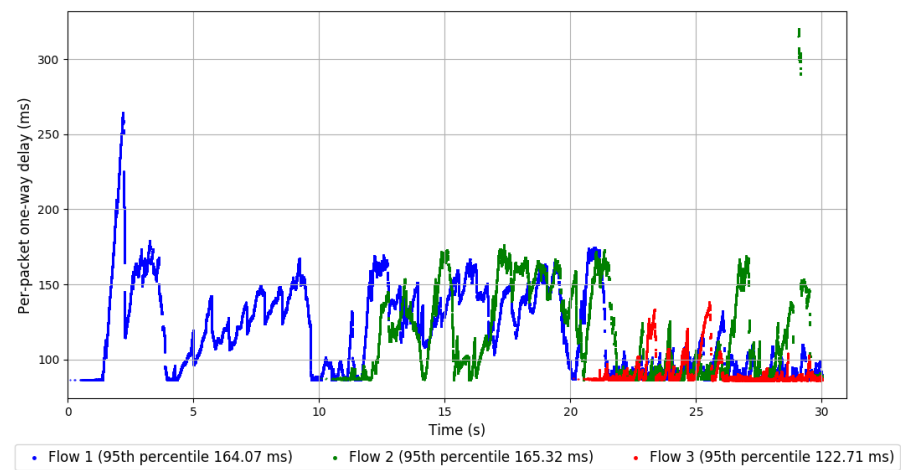
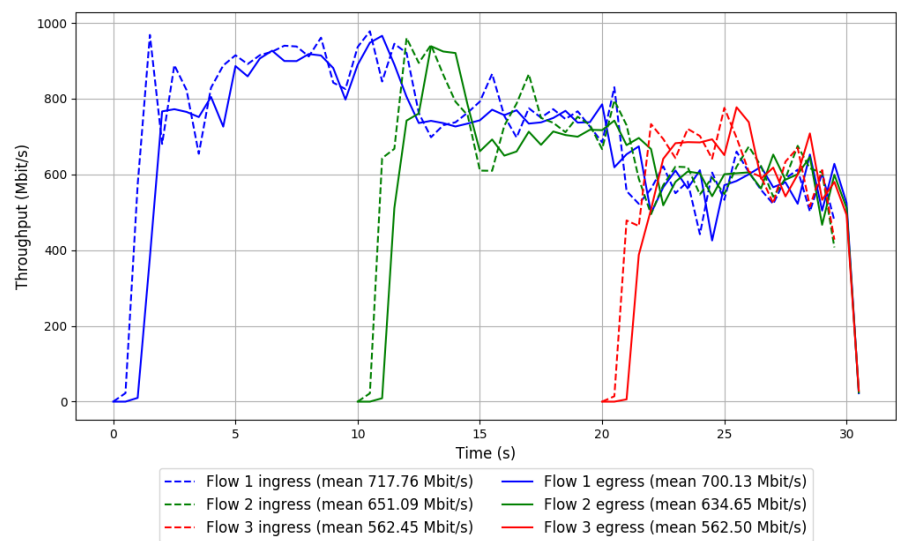
-- Flow 3:

Average throughput: 562.50 Mbit/s

95th percentile per-packet one-way delay: 122.709 ms

Loss rate: 0.00%

Run 7: Report of FillP — Data Link

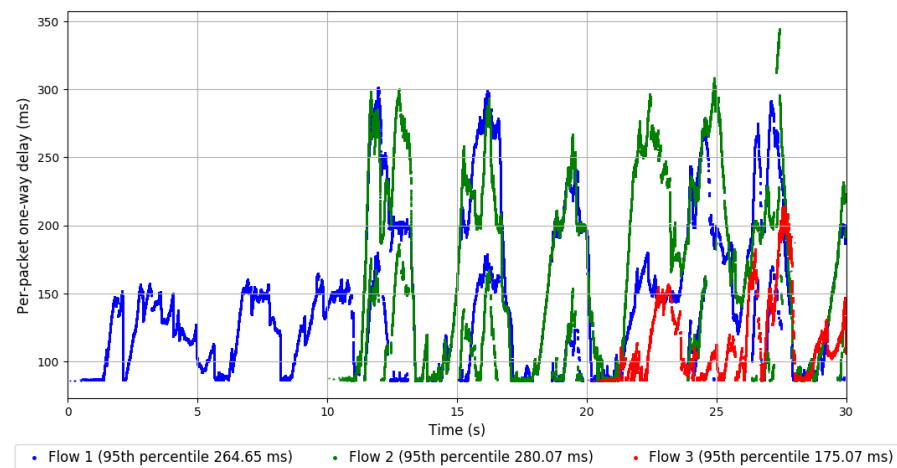
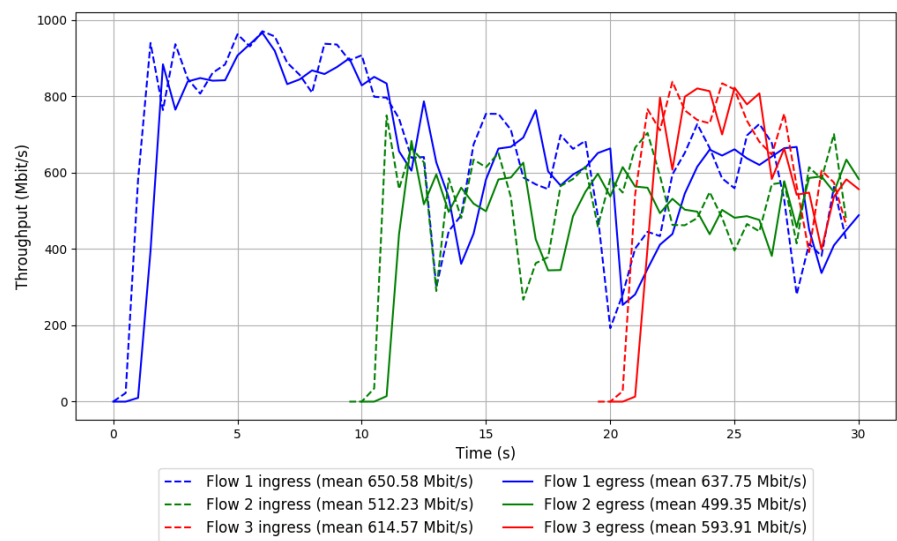


Run 8: Statistics of FillP

Start at: 2018-06-05 11:06:21
End at: 2018-06-05 11:06:51
Local clock offset: -0.129 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-05 13:11:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 1167.52 Mbit/s
95th percentile per-packet one-way delay: 267.815 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 637.75 Mbit/s
95th percentile per-packet one-way delay: 264.653 ms
Loss rate: 1.96%
-- Flow 2:
Average throughput: 499.35 Mbit/s
95th percentile per-packet one-way delay: 280.075 ms
Loss rate: 2.51%
-- Flow 3:
Average throughput: 593.91 Mbit/s
95th percentile per-packet one-way delay: 175.070 ms
Loss rate: 3.36%

Run 8: Report of FillP — Data Link

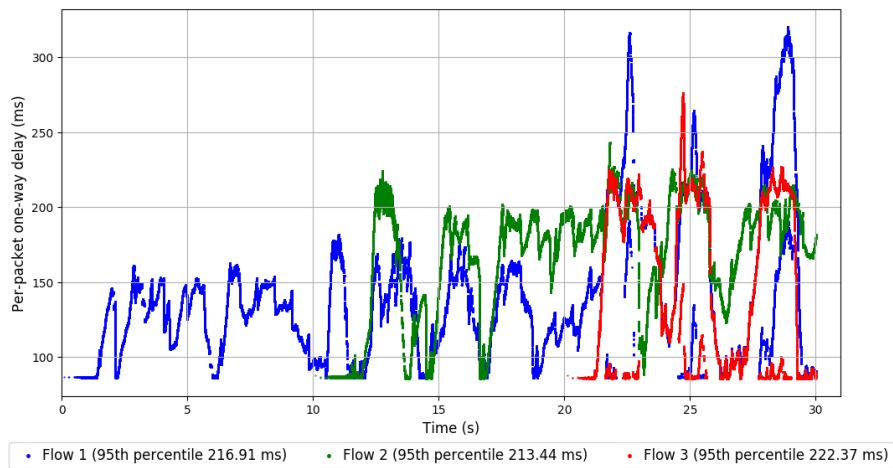
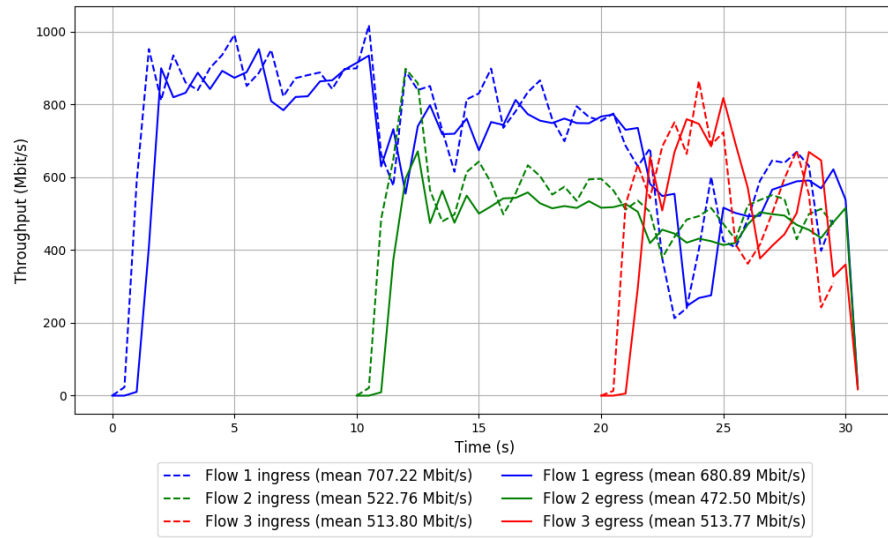


Run 9: Statistics of FillP

Start at: 2018-06-05 11:29:58
End at: 2018-06-05 11:30:28
Local clock offset: 0.123 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-05 13:30:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1165.13 Mbit/s
95th percentile per-packet one-way delay: 216.759 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 680.89 Mbit/s
95th percentile per-packet one-way delay: 216.906 ms
Loss rate: 3.72%
-- Flow 2:
Average throughput: 472.50 Mbit/s
95th percentile per-packet one-way delay: 213.436 ms
Loss rate: 9.61%
-- Flow 3:
Average throughput: 513.77 Mbit/s
95th percentile per-packet one-way delay: 222.374 ms
Loss rate: 0.00%

Run 9: Report of FillP — Data Link

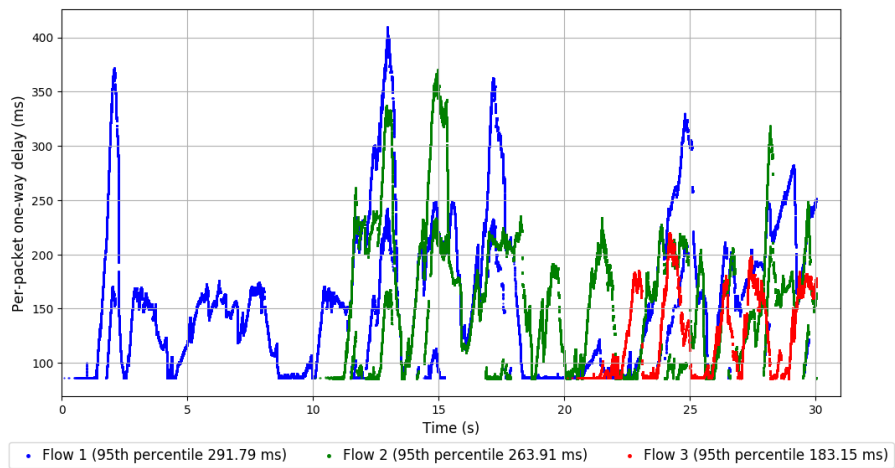
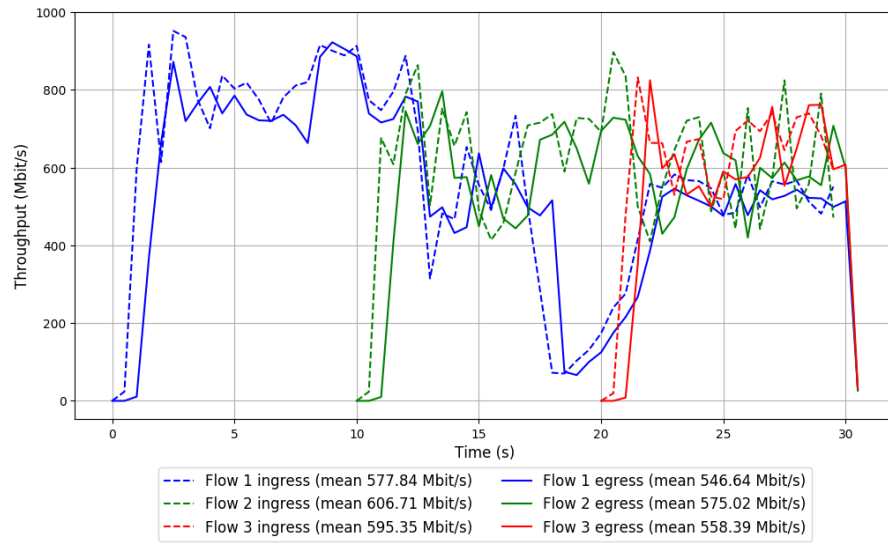


Run 10: Statistics of FillP

Start at: 2018-06-05 11:53:55
End at: 2018-06-05 11:54:25
Local clock offset: 0.176 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-06-05 13:31:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1114.35 Mbit/s
95th percentile per-packet one-way delay: 268.609 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 546.64 Mbit/s
95th percentile per-packet one-way delay: 291.792 ms
Loss rate: 5.39%
-- Flow 2:
Average throughput: 575.02 Mbit/s
95th percentile per-packet one-way delay: 263.912 ms
Loss rate: 5.23%
-- Flow 3:
Average throughput: 558.39 Mbit/s
95th percentile per-packet one-way delay: 183.146 ms
Loss rate: 6.21%

Run 10: Report of FillP — Data Link

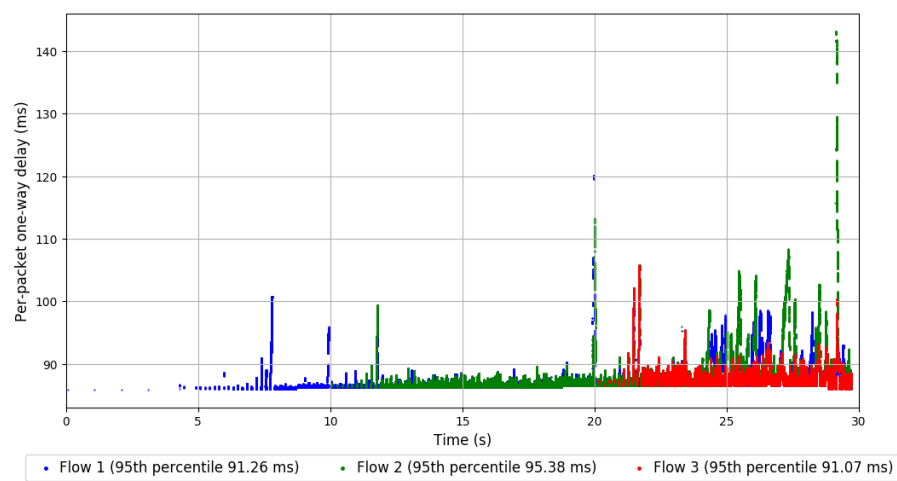
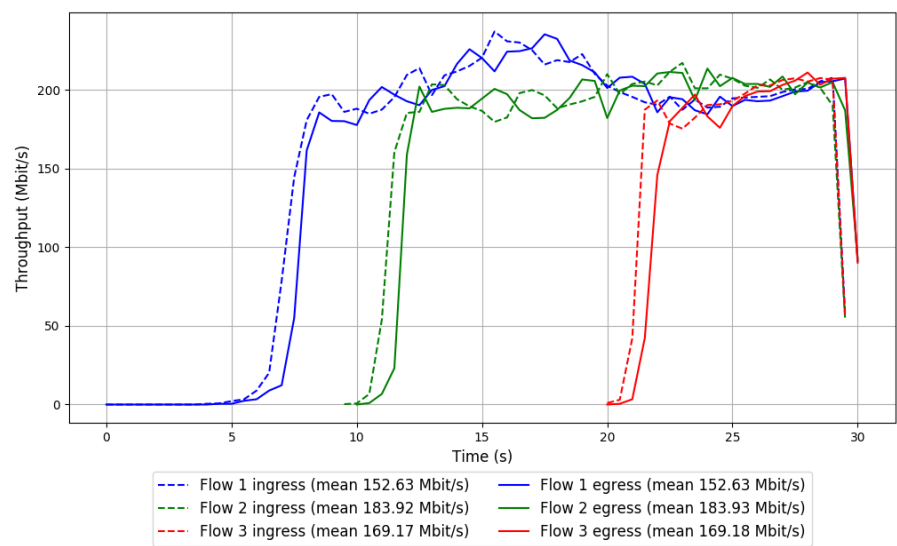


Run 1: Statistics of Indigo

Start at: 2018-06-05 08:29:42
End at: 2018-06-05 08:30:12
Local clock offset: -0.0 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-05 13:31:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 328.99 Mbit/s
95th percentile per-packet one-way delay: 92.269 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 152.63 Mbit/s
95th percentile per-packet one-way delay: 91.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.93 Mbit/s
95th percentile per-packet one-way delay: 95.380 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.18 Mbit/s
95th percentile per-packet one-way delay: 91.073 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

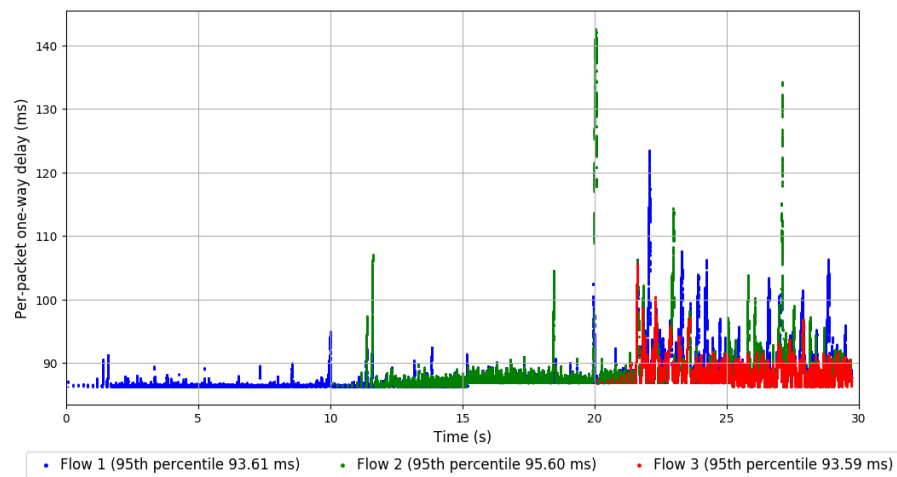
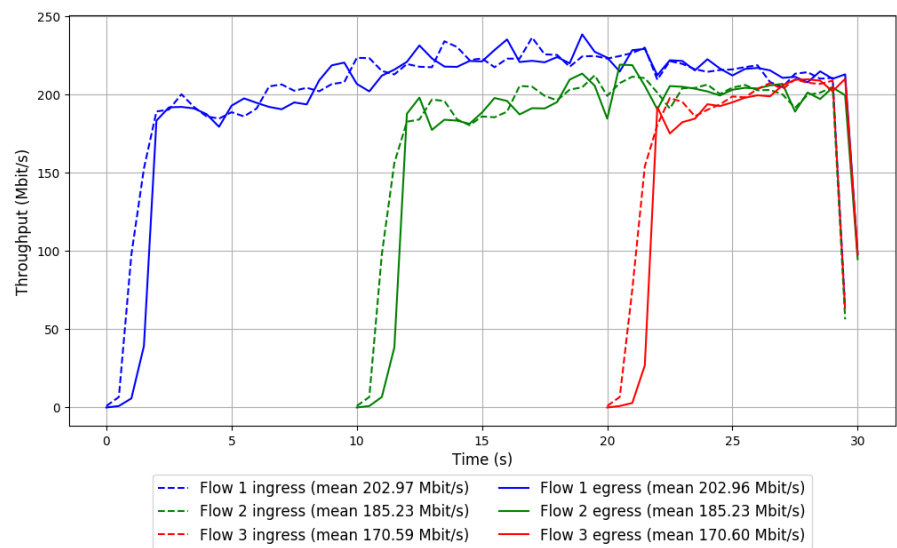


Run 2: Statistics of Indigo

Start at: 2018-06-05 08:53:36
End at: 2018-06-05 08:54:06
Local clock offset: -0.308 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-05 13:31:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.10 Mbit/s
95th percentile per-packet one-way delay: 94.102 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.96 Mbit/s
95th percentile per-packet one-way delay: 93.613 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 185.23 Mbit/s
95th percentile per-packet one-way delay: 95.600 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.60 Mbit/s
95th percentile per-packet one-way delay: 93.593 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

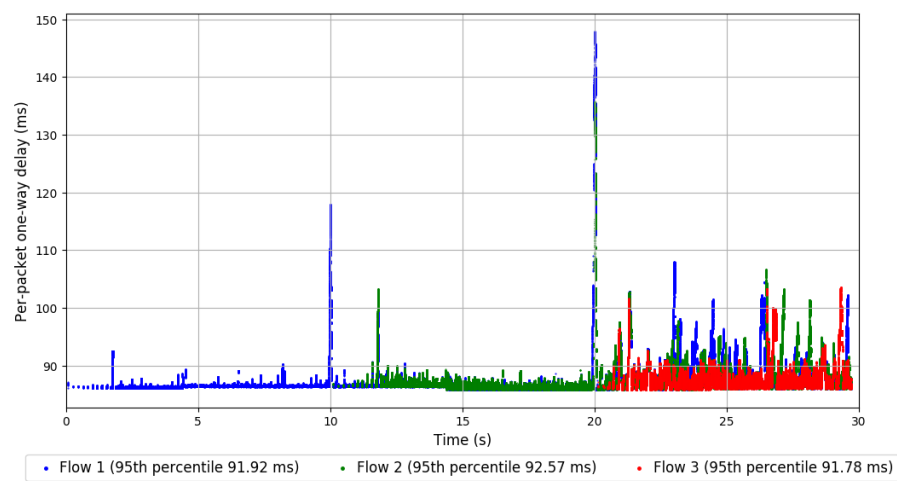
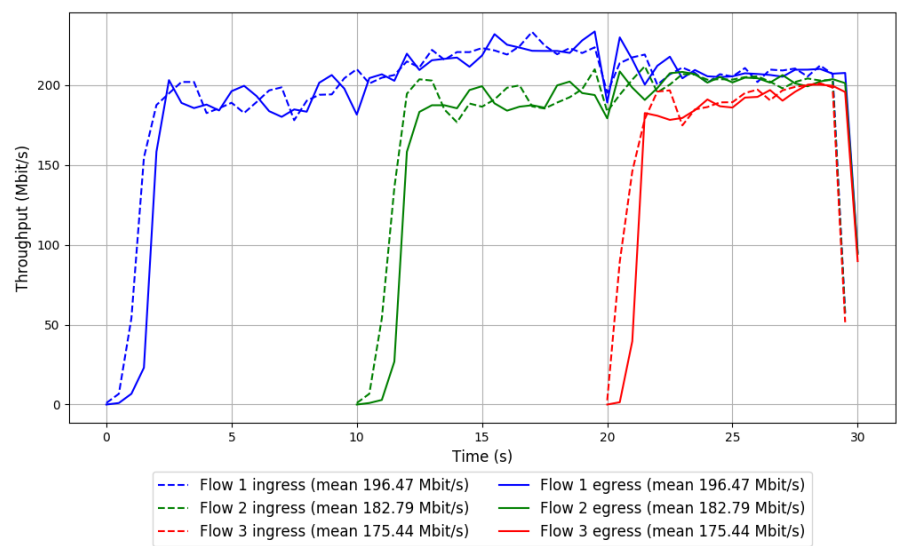


Run 3: Statistics of Indigo

Start at: 2018-06-05 09:17:37
End at: 2018-06-05 09:18:07
Local clock offset: -0.107 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.13 Mbit/s
95th percentile per-packet one-way delay: 92.134 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.47 Mbit/s
95th percentile per-packet one-way delay: 91.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.79 Mbit/s
95th percentile per-packet one-way delay: 92.571 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 175.44 Mbit/s
95th percentile per-packet one-way delay: 91.784 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

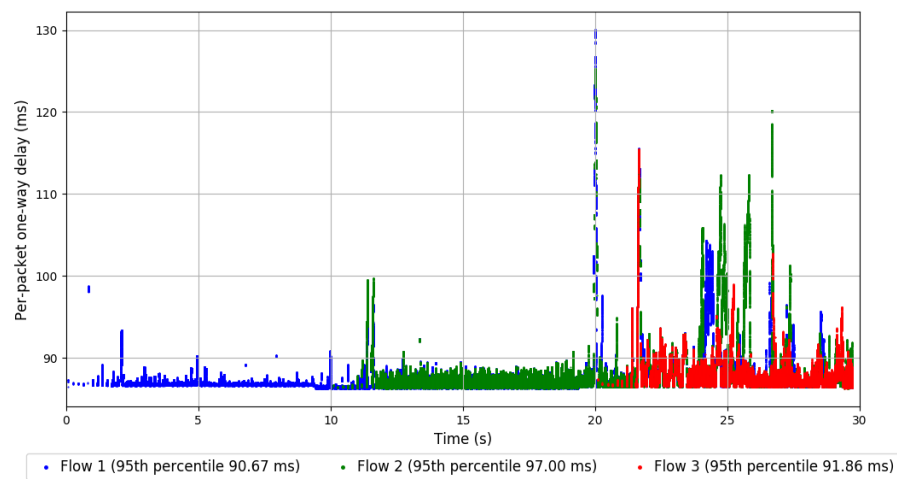
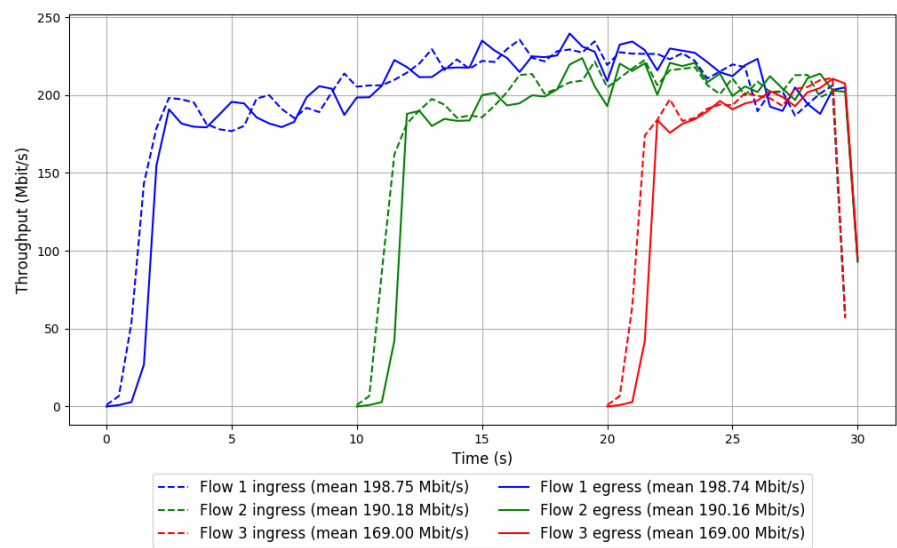


Run 4: Statistics of Indigo

Start at: 2018-06-05 09:41:22
End at: 2018-06-05 09:41:52
Local clock offset: -0.246 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 379.61 Mbit/s
95th percentile per-packet one-way delay: 91.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.74 Mbit/s
95th percentile per-packet one-way delay: 90.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.16 Mbit/s
95th percentile per-packet one-way delay: 96.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 169.00 Mbit/s
95th percentile per-packet one-way delay: 91.857 ms
Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-05 10:05:17

End at: 2018-06-05 10:05:47

Local clock offset: 0.213 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-06-05 13:31:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.89 Mbit/s

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

Loss rate: 0.02%

-- Flow 1:

Average throughput: 198.78 Mbit/s

95th percentile per-packet one-way delay: 89.611 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.51 Mbit/s

95th percentile per-packet one-way delay: 90.356 ms

Loss rate: 0.04%

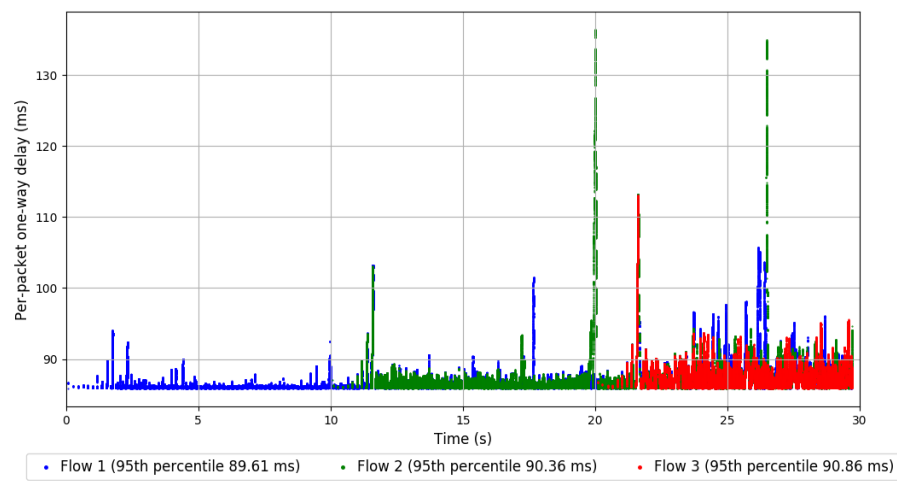
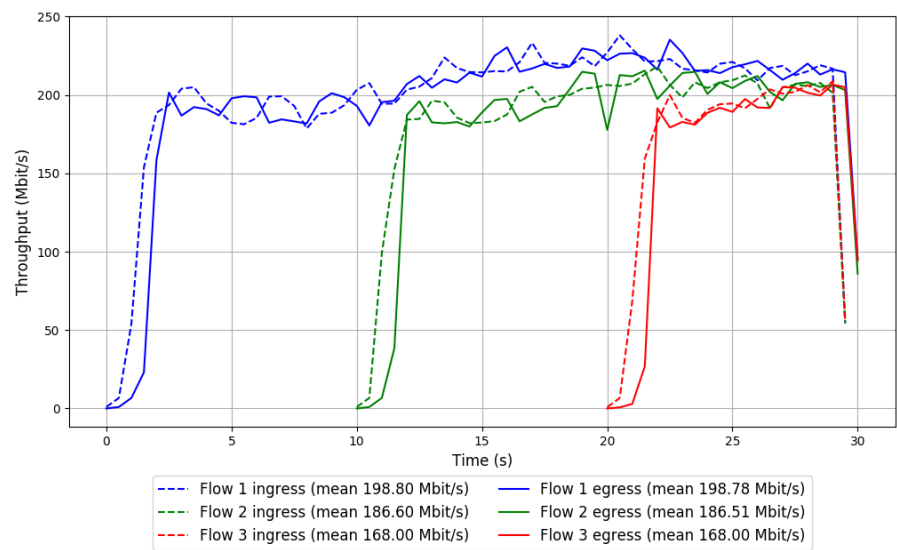
-- Flow 3:

Average throughput: 168.00 Mbit/s

95th percentile per-packet one-way delay: 90.861 ms

Loss rate: 0.01%

Run 5: Report of Indigo — Data Link

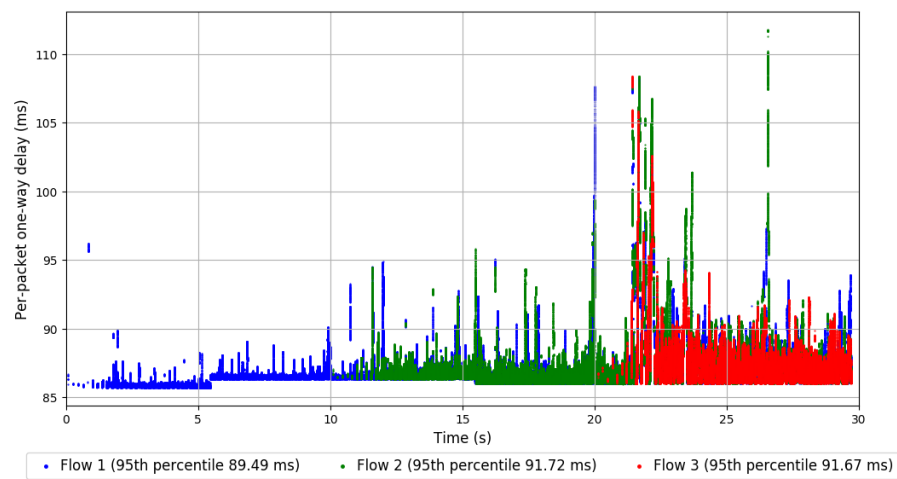
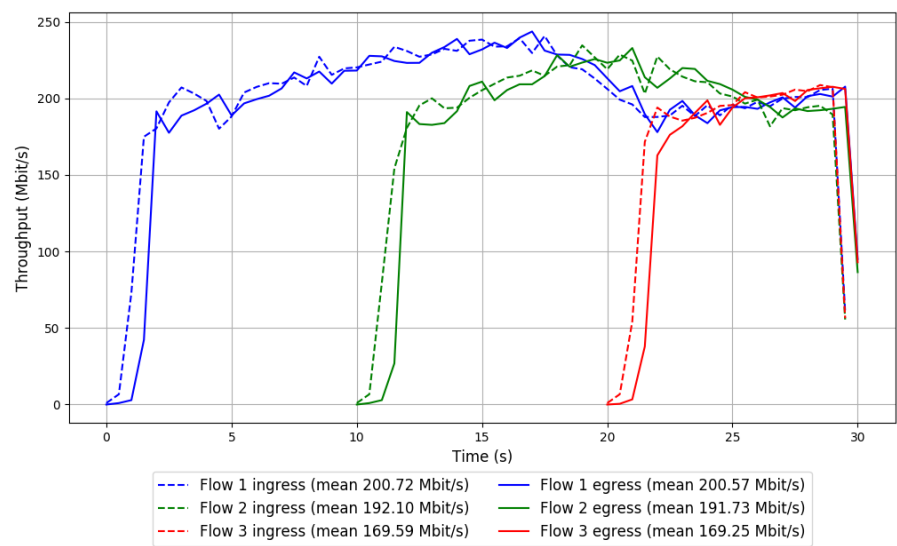


Run 6: Statistics of Indigo

Start at: 2018-06-05 10:28:56
End at: 2018-06-05 10:29:26
Local clock offset: 0.083 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 382.44 Mbit/s
95th percentile per-packet one-way delay: 90.375 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 200.57 Mbit/s
95th percentile per-packet one-way delay: 89.491 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 191.73 Mbit/s
95th percentile per-packet one-way delay: 91.719 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 169.25 Mbit/s
95th percentile per-packet one-way delay: 91.665 ms
Loss rate: 0.28%

Run 6: Report of Indigo — Data Link

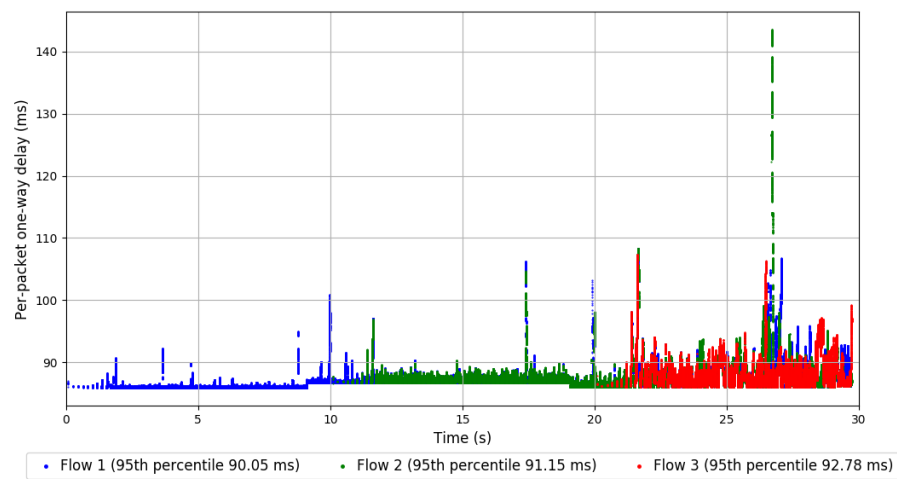
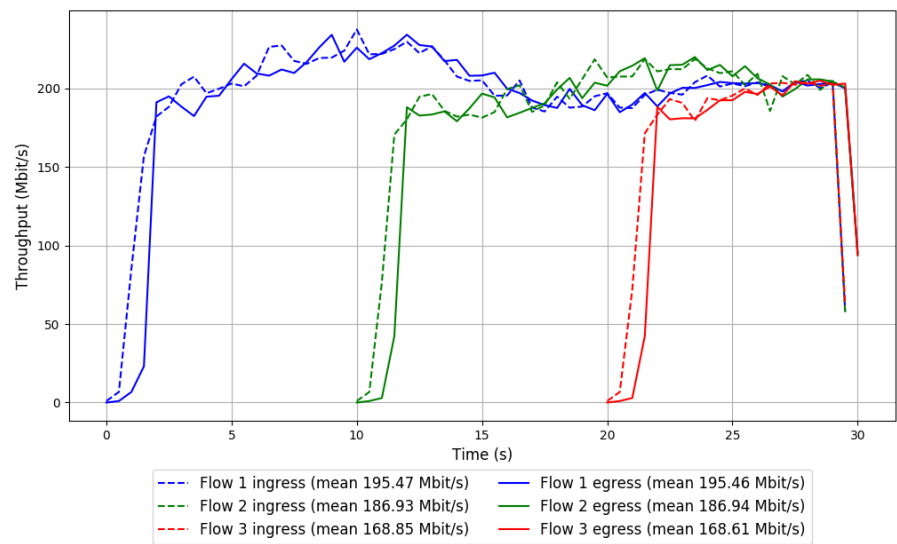


Run 7: Statistics of Indigo

Start at: 2018-06-05 10:52:52
End at: 2018-06-05 10:53:22
Local clock offset: -0.098 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.08 Mbit/s
95th percentile per-packet one-way delay: 90.936 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 195.46 Mbit/s
95th percentile per-packet one-way delay: 90.047 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.94 Mbit/s
95th percentile per-packet one-way delay: 91.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.61 Mbit/s
95th percentile per-packet one-way delay: 92.785 ms
Loss rate: 0.13%

Run 7: Report of Indigo — Data Link

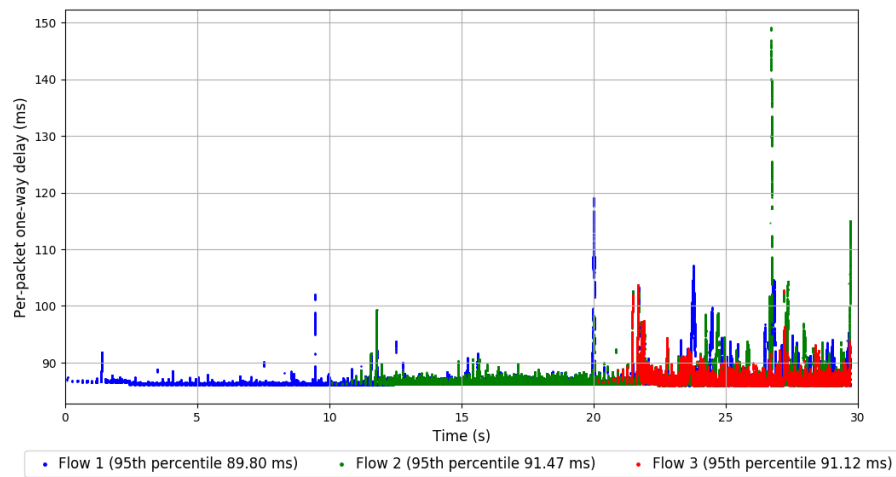
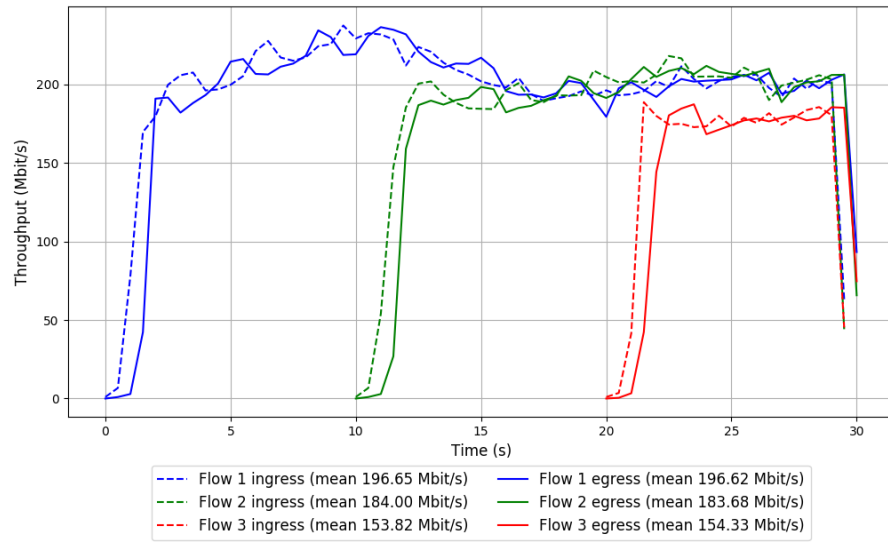


Run 8: Statistics of Indigo

Start at: 2018-06-05 11:16:39
End at: 2018-06-05 11:17:09
Local clock offset: -0.149 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 367.93 Mbit/s
95th percentile per-packet one-way delay: 90.596 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 196.62 Mbit/s
95th percentile per-packet one-way delay: 89.804 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 183.68 Mbit/s
95th percentile per-packet one-way delay: 91.474 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 154.33 Mbit/s
95th percentile per-packet one-way delay: 91.120 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-06-05 11:40:23

End at: 2018-06-05 11:40:53

Local clock offset: -0.112 ms

Remote clock offset: -0.09 ms

Below is generated by plot.py at 2018-06-05 13:31:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 378.58 Mbit/s

95th percentile per-packet one-way delay: 93.172 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 199.95 Mbit/s

95th percentile per-packet one-way delay: 93.003 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 188.01 Mbit/s

95th percentile per-packet one-way delay: 93.092 ms

Loss rate: 0.00%

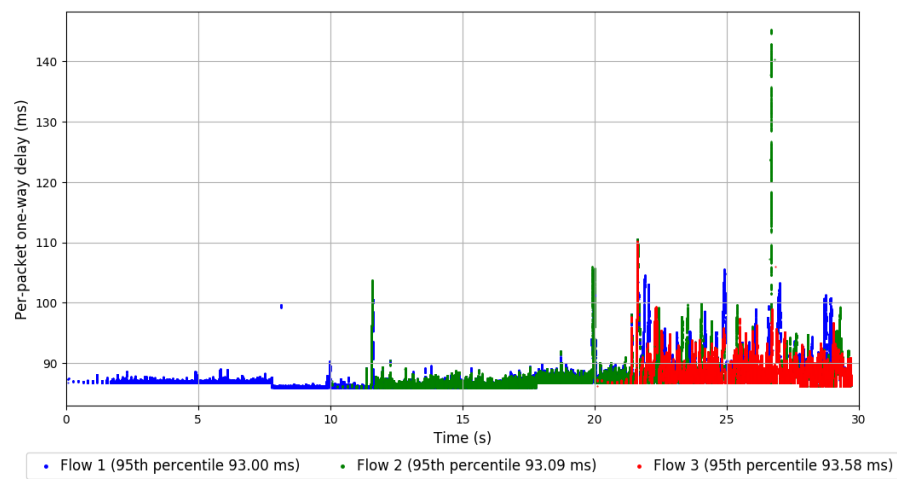
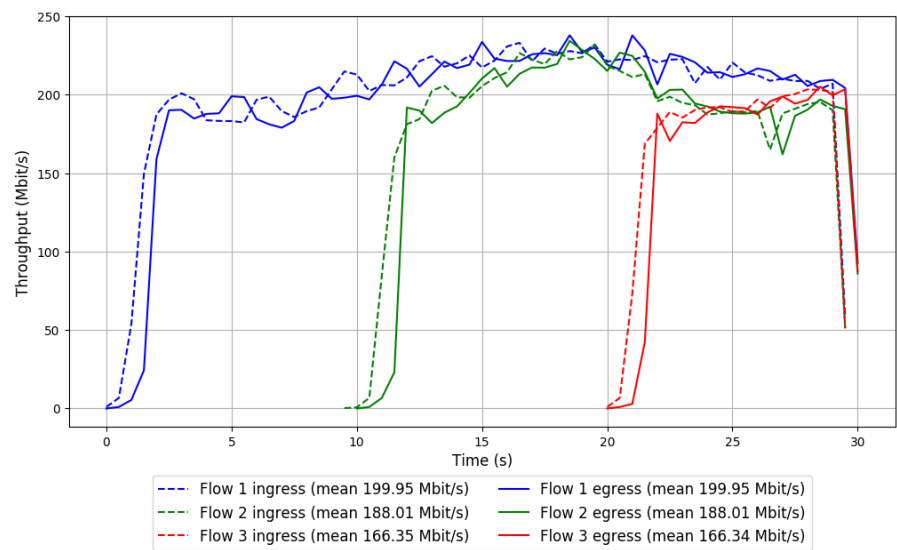
-- Flow 3:

Average throughput: 166.34 Mbit/s

95th percentile per-packet one-way delay: 93.584 ms

Loss rate: 0.01%

Run 9: Report of Indigo — Data Link

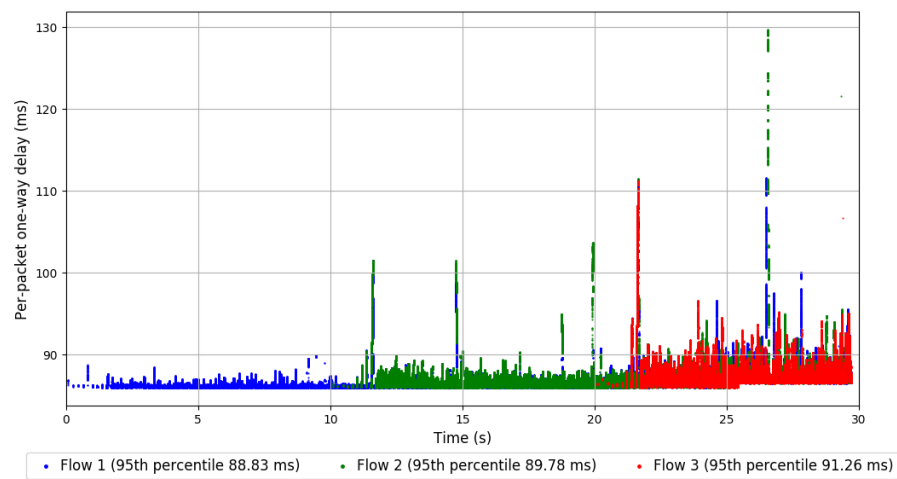
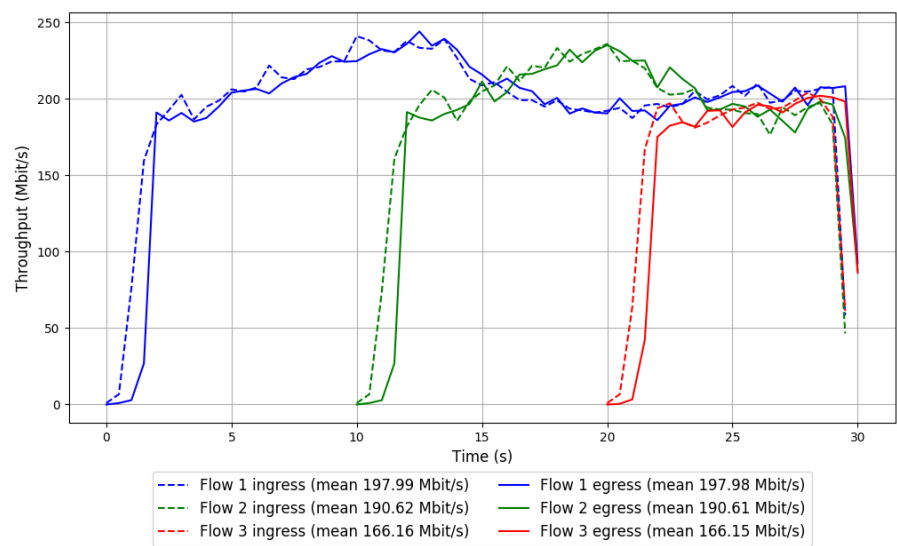


Run 10: Statistics of Indigo

Start at: 2018-06-05 12:04:16
End at: 2018-06-05 12:04:46
Local clock offset: -0.137 ms
Remote clock offset: -0.059 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 378.10 Mbit/s
95th percentile per-packet one-way delay: 89.684 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.98 Mbit/s
95th percentile per-packet one-way delay: 88.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.61 Mbit/s
95th percentile per-packet one-way delay: 89.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 166.15 Mbit/s
95th percentile per-packet one-way delay: 91.260 ms
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

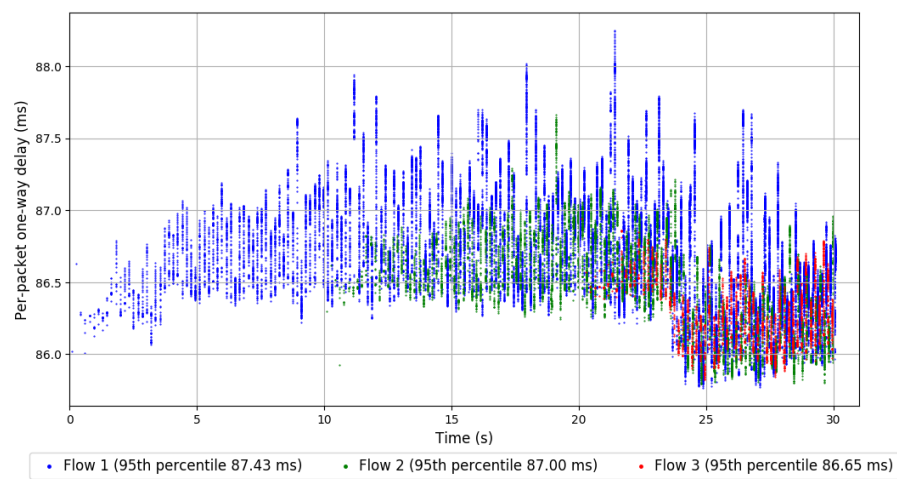
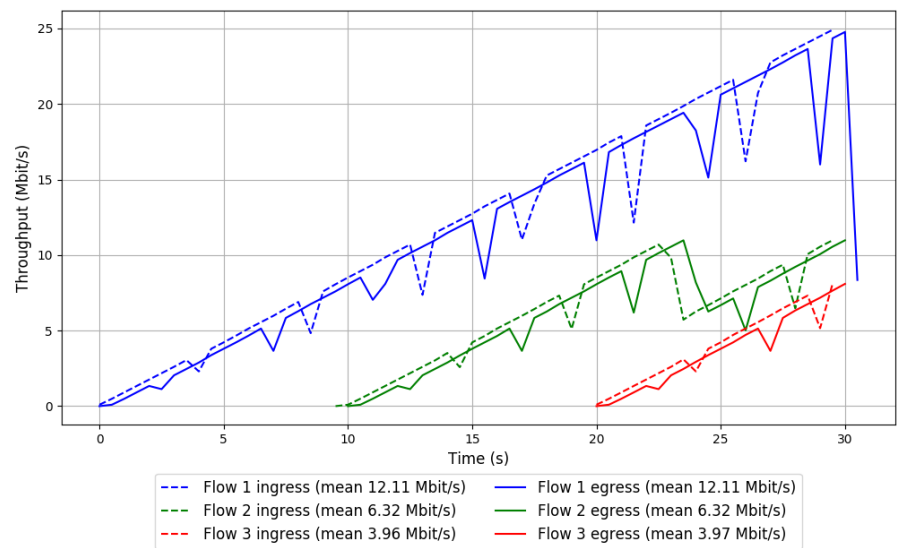


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 08:32:38
End at: 2018-06-05 08:33:08
Local clock offset: -0.031 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-05 13:31:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.61 Mbit/s
95th percentile per-packet one-way delay: 87.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.651 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

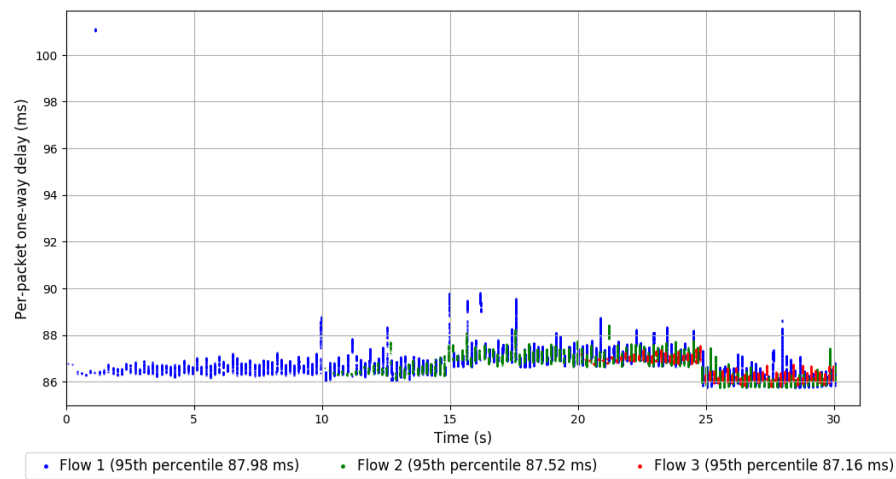
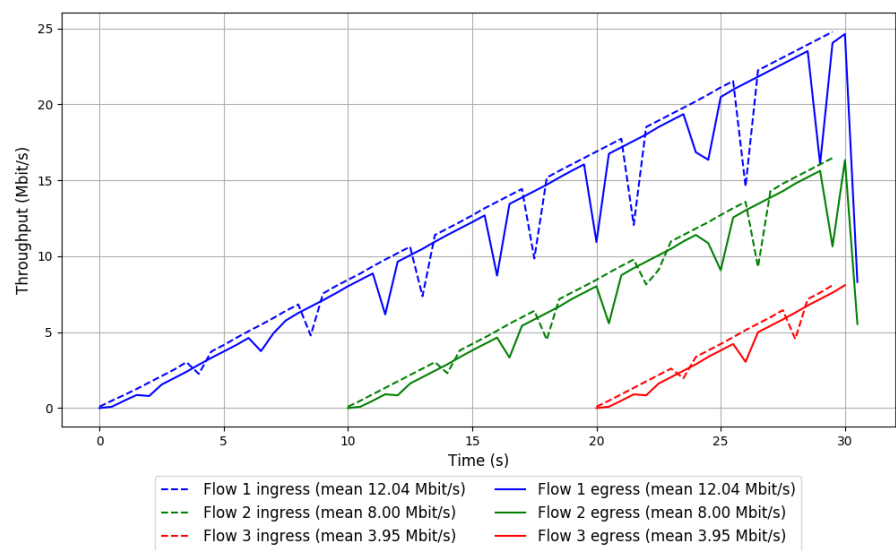


Run 2: Statistics of LEDBAT

Start at: 2018-06-05 08:56:37
End at: 2018-06-05 08:57:07
Local clock offset: -0.055 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 87.751 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.983 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 87.519 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 87.164 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

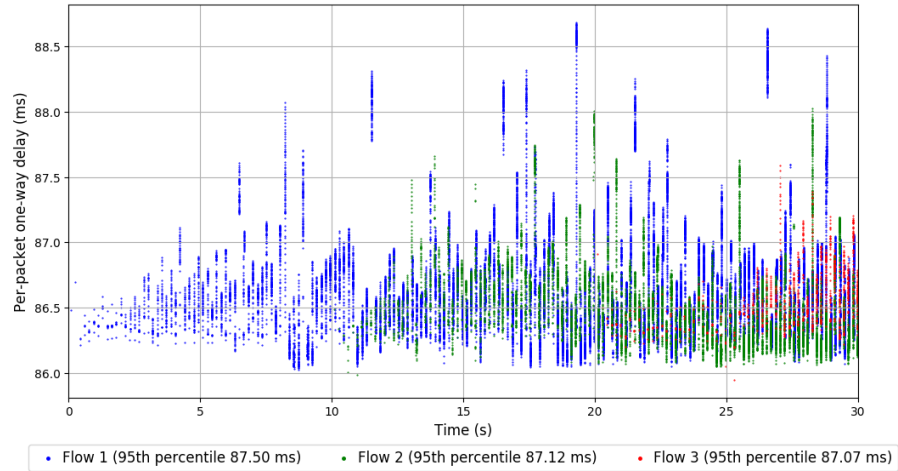
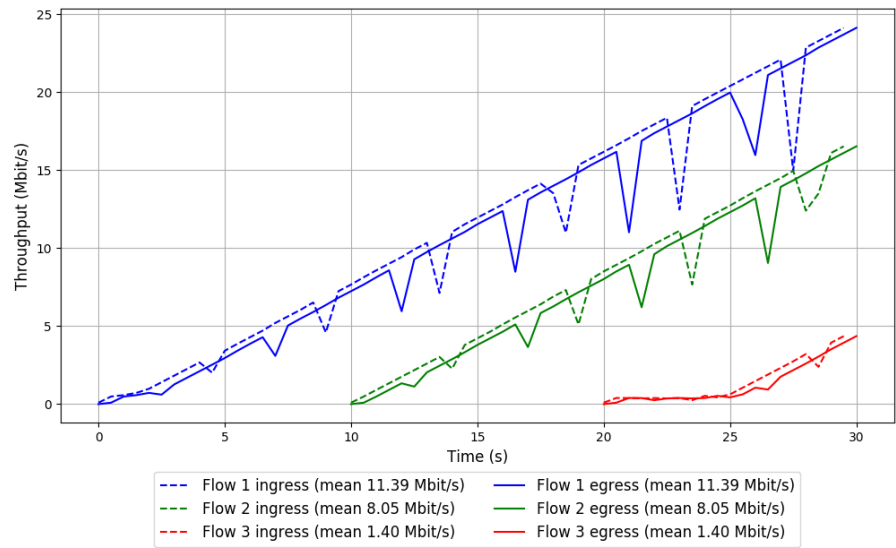


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 09:20:37
End at: 2018-06-05 09:21:07
Local clock offset: -0.021 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.20 Mbit/s
95th percentile per-packet one-way delay: 87.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 87.502 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.120 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 87.067 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

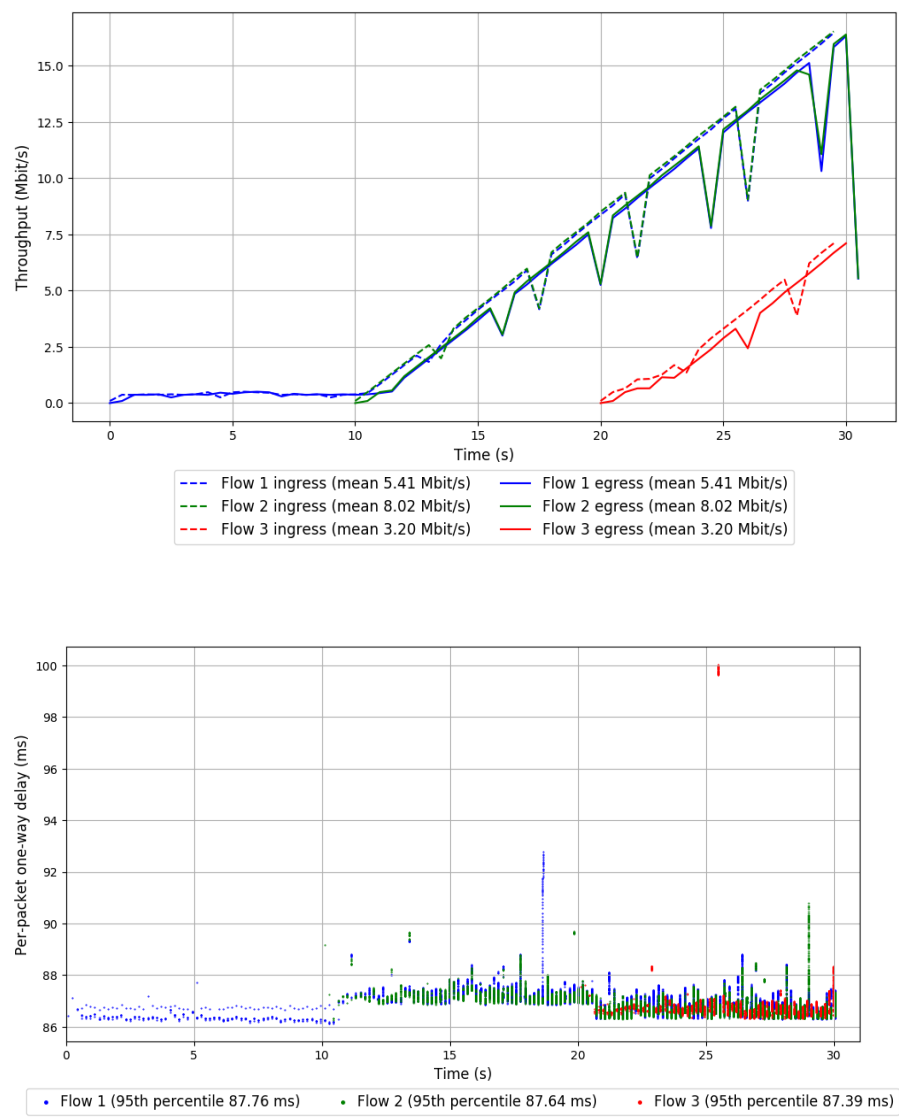


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 09:44:21
End at: 2018-06-05 09:44:51
Local clock offset: -0.209 ms
Remote clock offset: -0.012 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 87.698 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 87.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 87.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 87.385 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

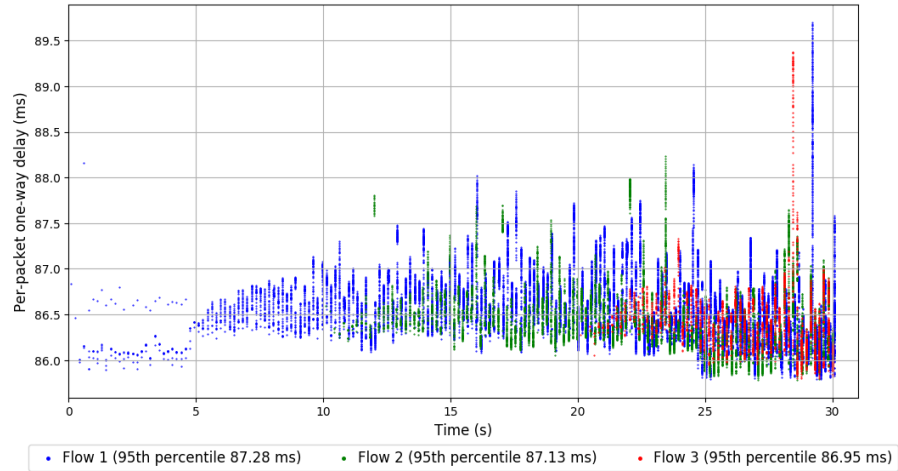
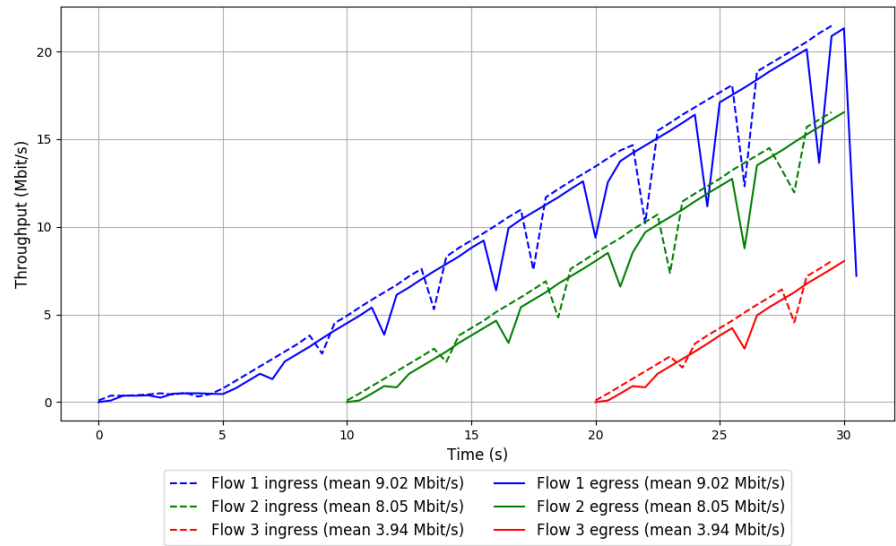


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 10:08:17
End at: 2018-06-05 10:08:47
Local clock offset: 0.045 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 87.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 87.284 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 86.950 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

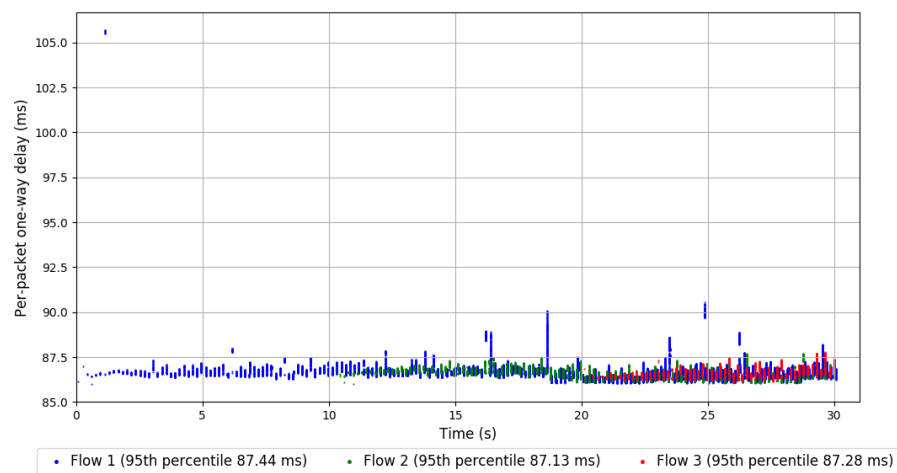
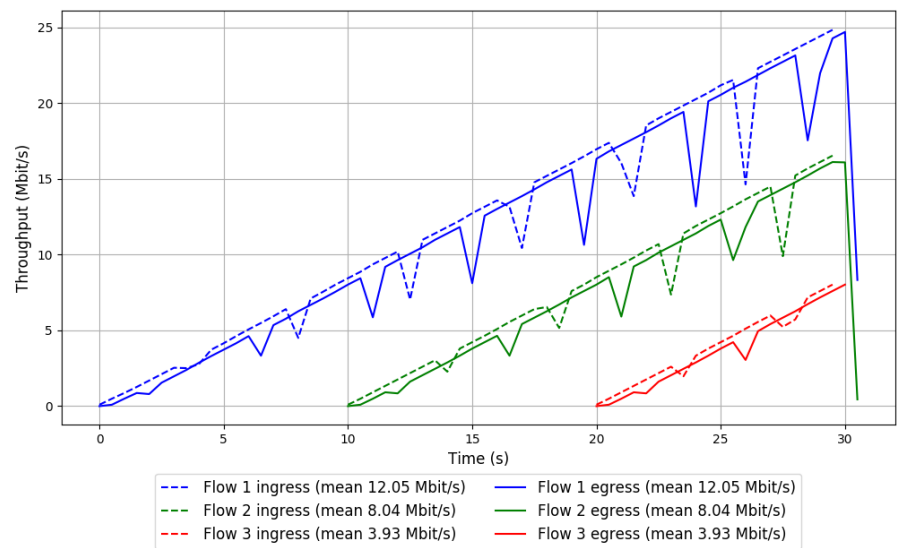


Run 6: Statistics of LEDBAT

Start at: 2018-06-05 10:31:53
End at: 2018-06-05 10:32:23
Local clock offset: 0.003 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 87.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.440 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 87.129 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.280 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

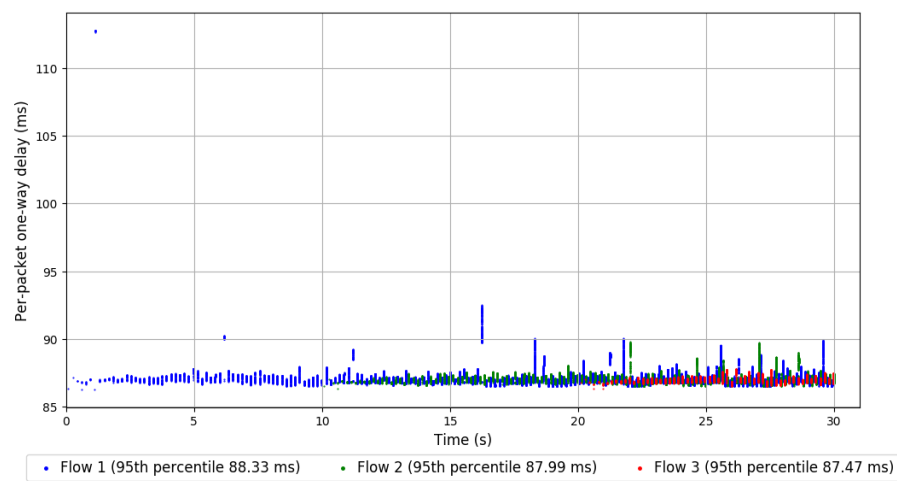
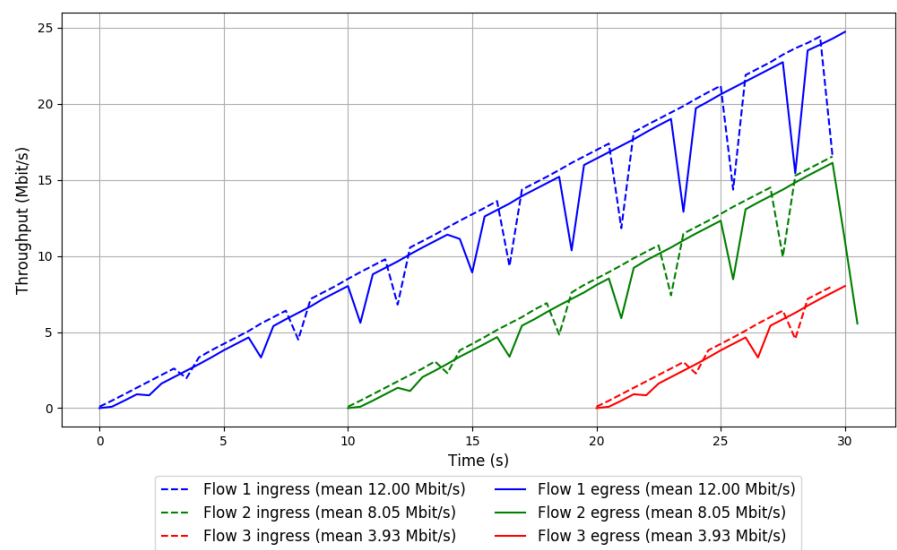


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 10:55:54
End at: 2018-06-05 10:56:24
Local clock offset: -0.259 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 88.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 88.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 87.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.473 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

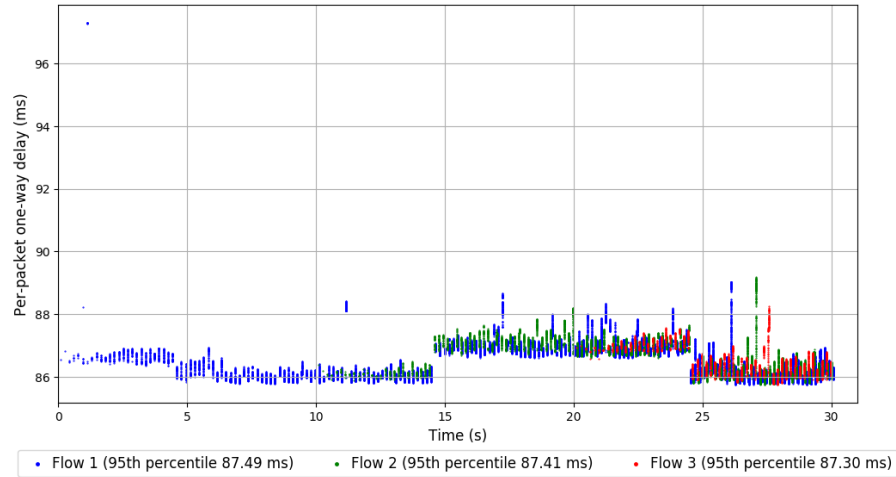
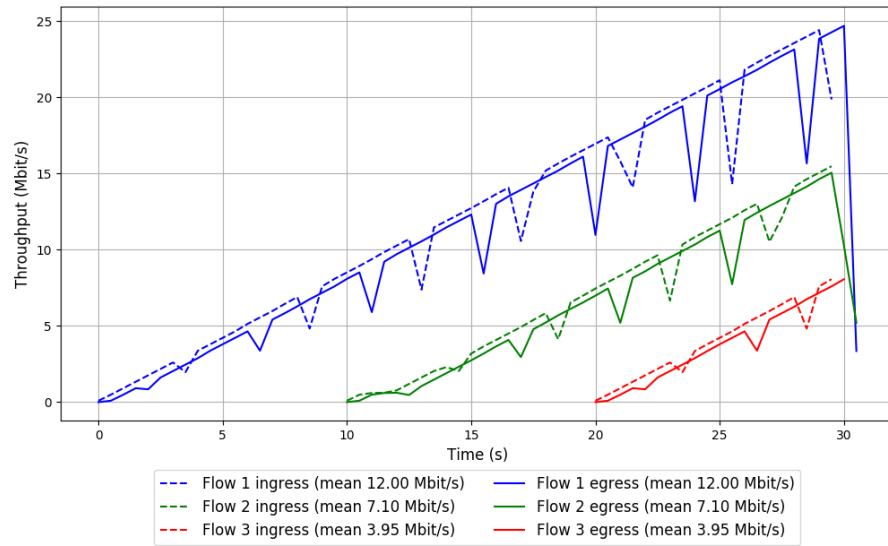


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 11:19:37
End at: 2018-06-05 11:20:07
Local clock offset: 0.038 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 87.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 87.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 87.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

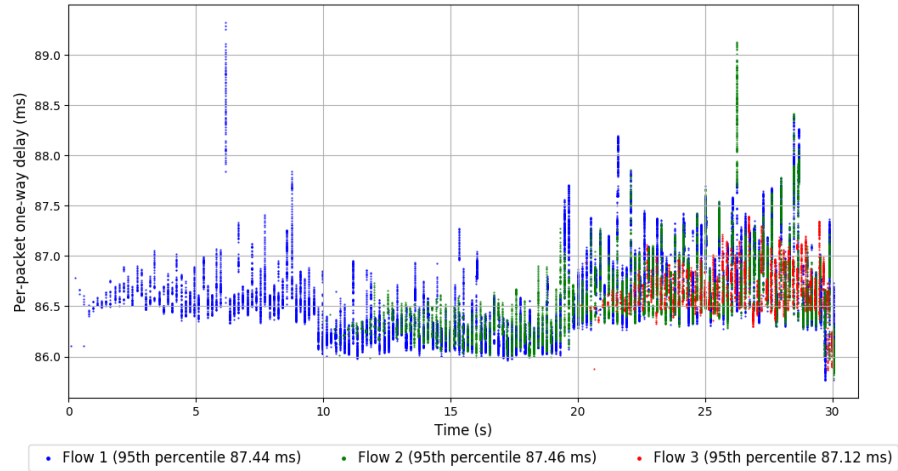
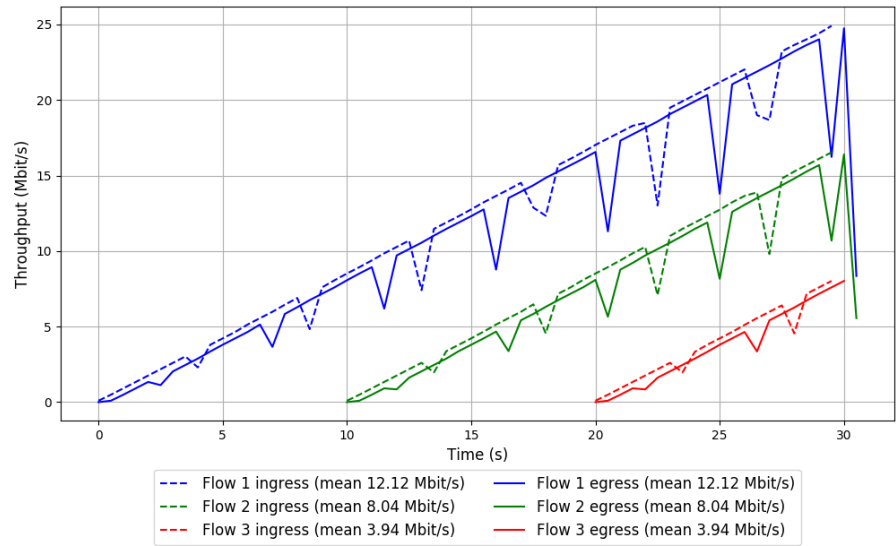


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 11:43:22
End at: 2018-06-05 11:43:52
Local clock offset: 0.102 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.77 Mbit/s
95th percentile per-packet one-way delay: 87.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 87.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 87.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.94 Mbit/s
95th percentile per-packet one-way delay: 87.123 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

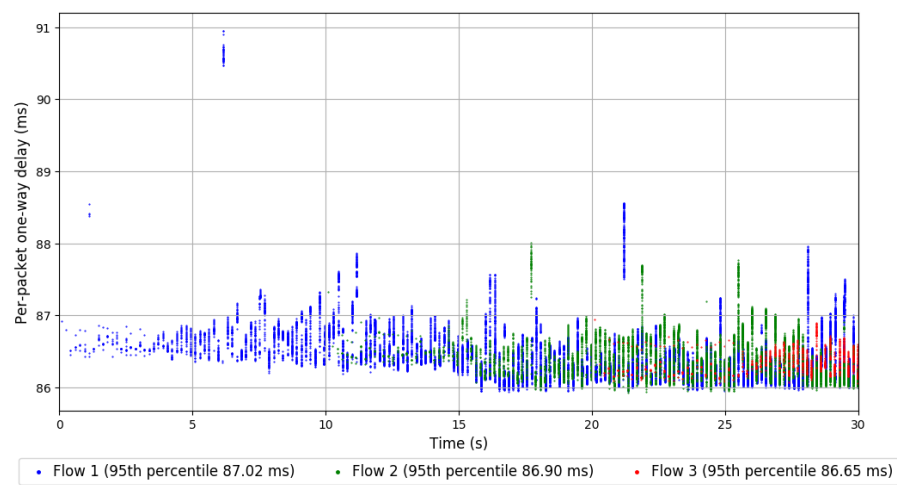
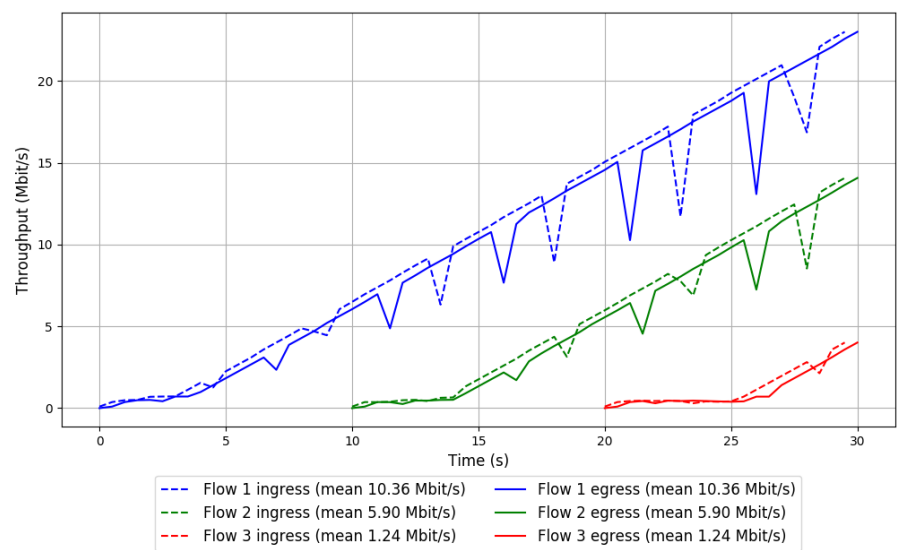


Run 10: Statistics of LEDBAT

Start at: 2018-06-05 12:07:16
End at: 2018-06-05 12:07:46
Local clock offset: -0.152 ms
Remote clock offset: -0.057 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.69 Mbit/s
95th percentile per-packet one-way delay: 86.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 87.022 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 86.652 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

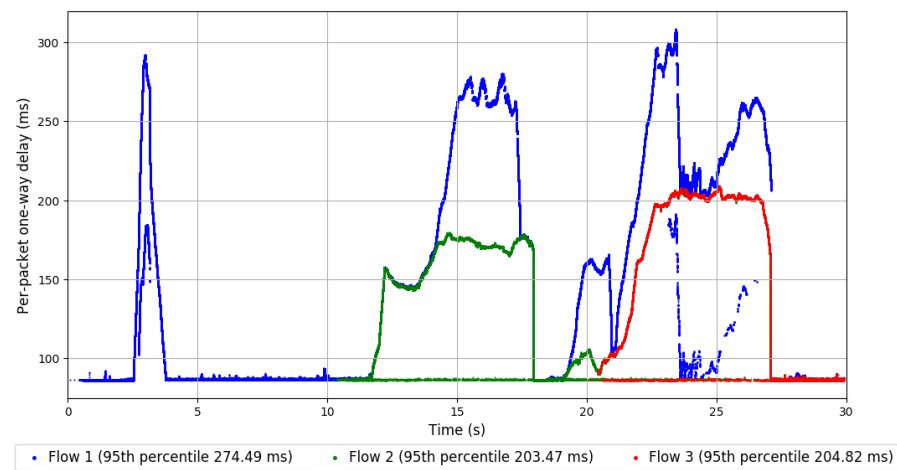
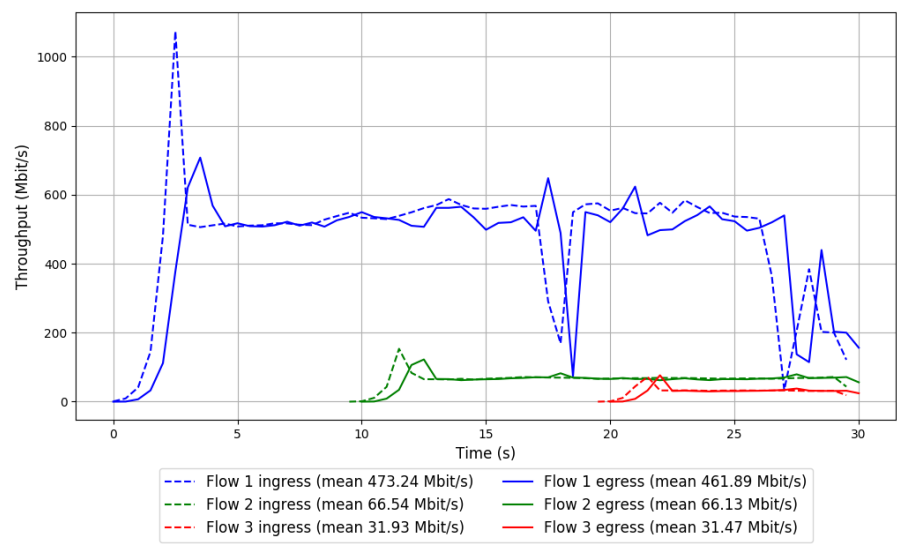


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 08:17:48
End at: 2018-06-05 08:18:18
Local clock offset: -0.44 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 516.31 Mbit/s
95th percentile per-packet one-way delay: 273.275 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 461.89 Mbit/s
95th percentile per-packet one-way delay: 274.493 ms
Loss rate: 2.40%
-- Flow 2:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 203.472 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 31.47 Mbit/s
95th percentile per-packet one-way delay: 204.816 ms
Loss rate: 1.45%

Run 1: Report of PCC-Allegro — Data Link

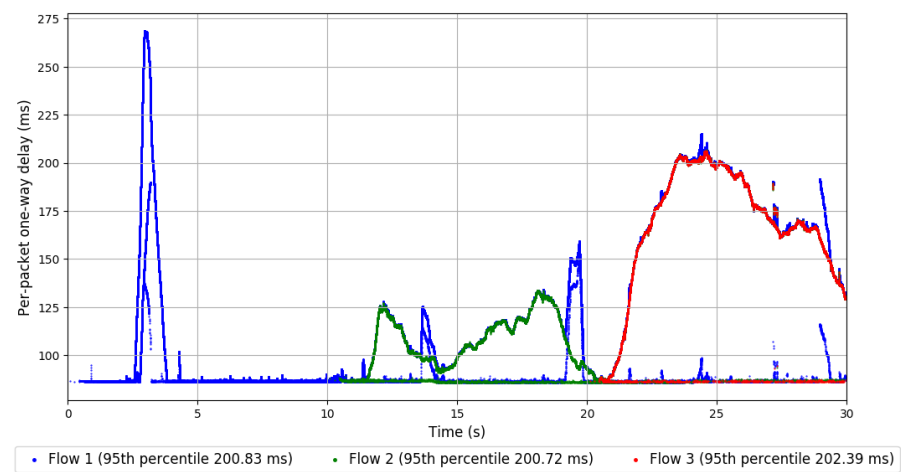
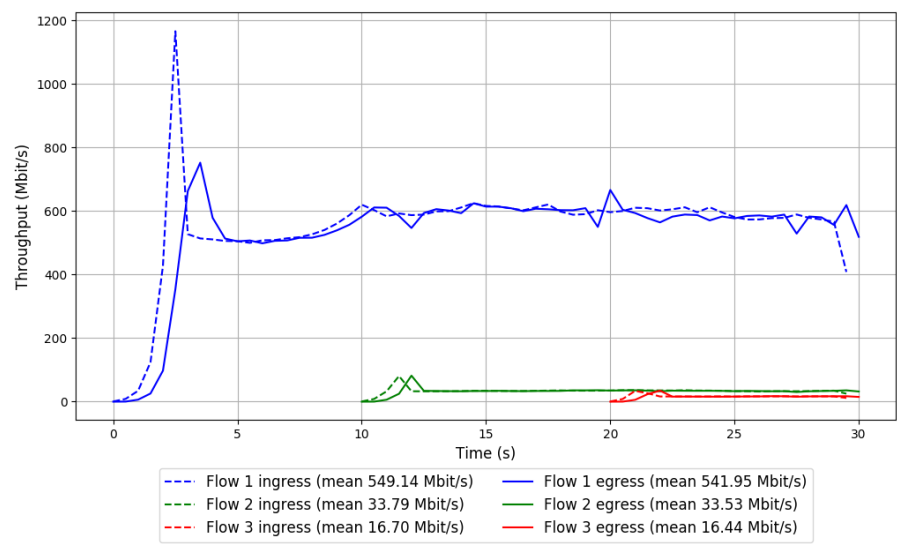


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 08:41:27
End at: 2018-06-05 08:41:57
Local clock offset: -0.136 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.62 Mbit/s
95th percentile per-packet one-way delay: 200.843 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 541.95 Mbit/s
95th percentile per-packet one-way delay: 200.827 ms
Loss rate: 1.31%
-- Flow 2:
Average throughput: 33.53 Mbit/s
95th percentile per-packet one-way delay: 200.718 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 202.388 ms
Loss rate: 1.57%

Run 2: Report of PCC-Allegro — Data Link

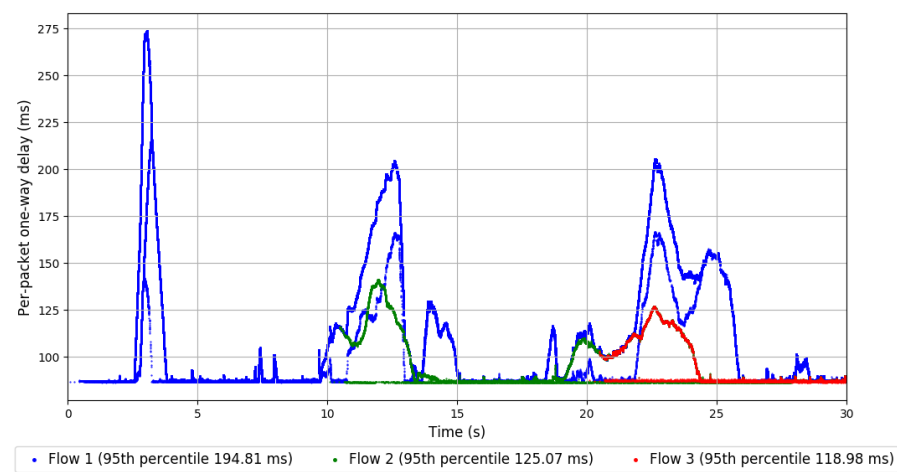
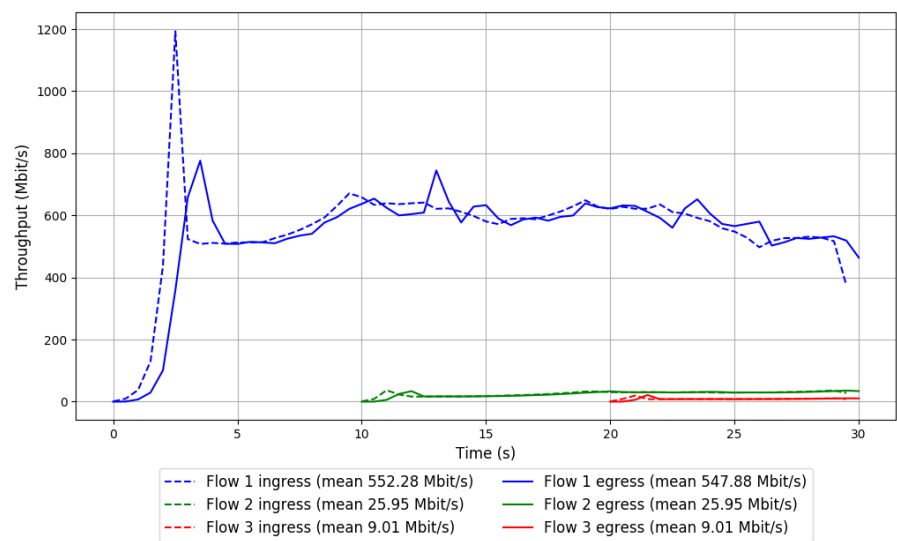


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 09:05:33
End at: 2018-06-05 09:06:03
Local clock offset: -0.278 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 568.11 Mbit/s
95th percentile per-packet one-way delay: 194.548 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 547.88 Mbit/s
95th percentile per-packet one-way delay: 194.814 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 25.95 Mbit/s
95th percentile per-packet one-way delay: 125.069 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 9.01 Mbit/s
95th percentile per-packet one-way delay: 118.977 ms
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link

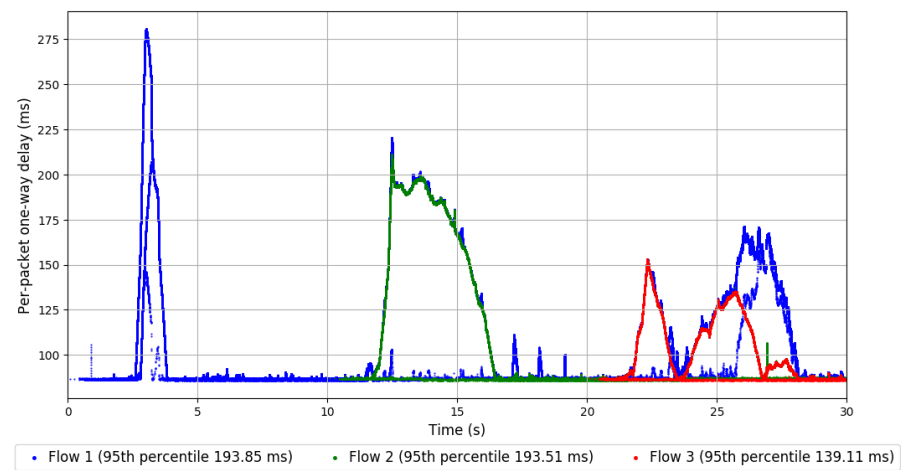
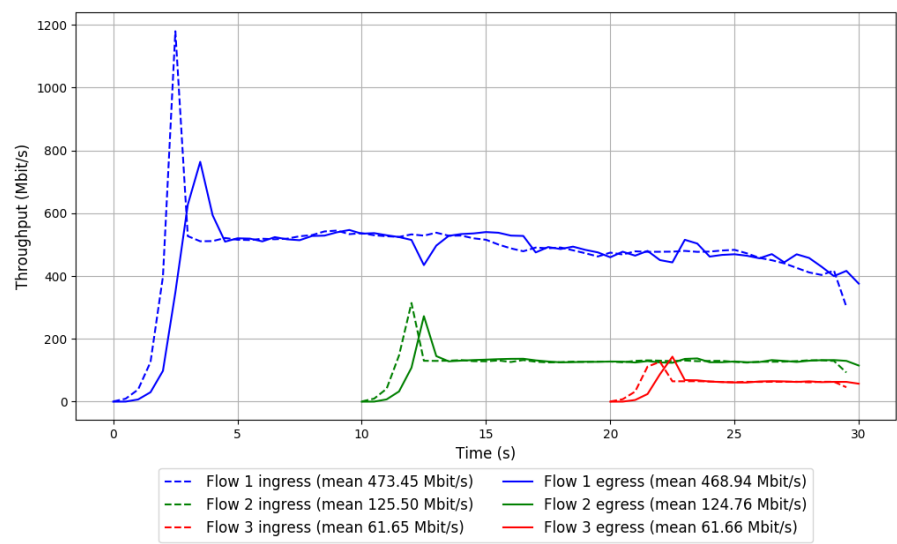


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 09:29:28
End at: 2018-06-05 09:29:58
Local clock offset: -0.069 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-05 13:31:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.17 Mbit/s
95th percentile per-packet one-way delay: 193.648 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 468.94 Mbit/s
95th percentile per-packet one-way delay: 193.855 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 124.76 Mbit/s
95th percentile per-packet one-way delay: 193.508 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 139.113 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link

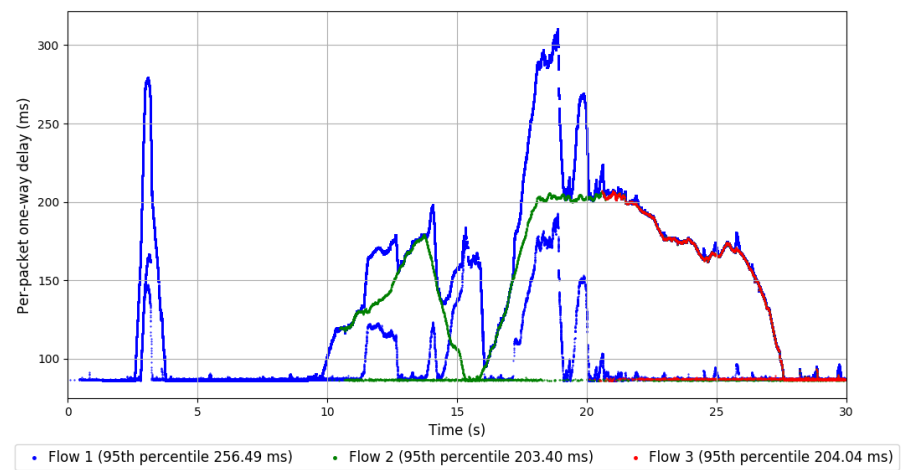
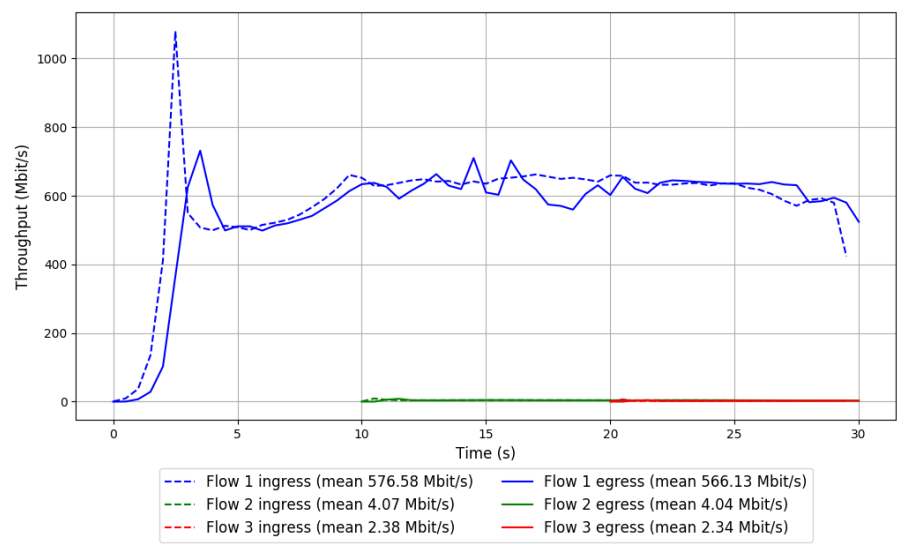


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 09:53:10
End at: 2018-06-05 09:53:40
Local clock offset: -0.168 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-05 13:31:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 569.59 Mbit/s
95th percentile per-packet one-way delay: 255.857 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 566.13 Mbit/s
95th percentile per-packet one-way delay: 256.494 ms
Loss rate: 1.81%
-- Flow 2:
Average throughput: 4.04 Mbit/s
95th percentile per-packet one-way delay: 203.401 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 204.036 ms
Loss rate: 1.64%

Run 5: Report of PCC-Allegro — Data Link

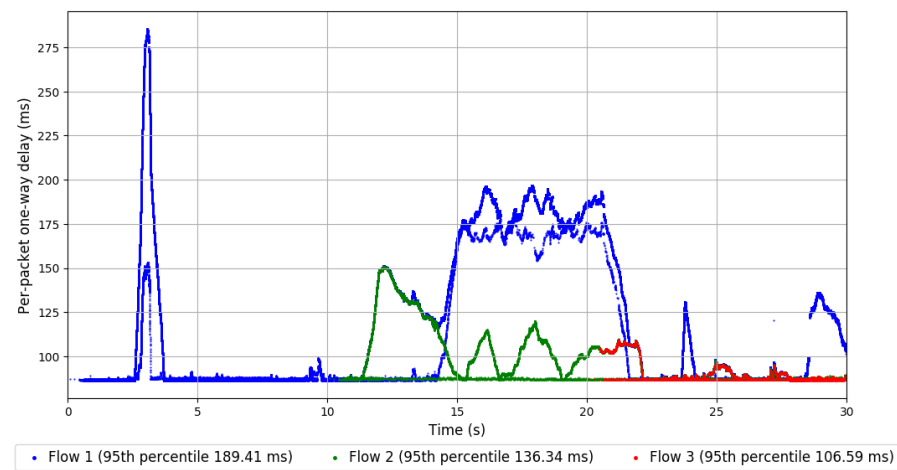
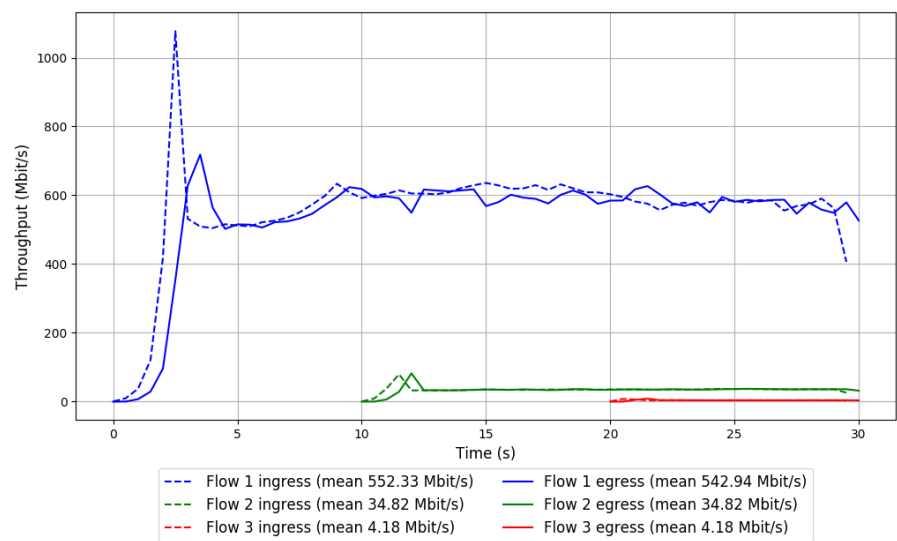


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 10:17:14
End at: 2018-06-05 10:17:44
Local clock offset: -0.46 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-05 13:32:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 567.45 Mbit/s
95th percentile per-packet one-way delay: 189.065 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 542.94 Mbit/s
95th percentile per-packet one-way delay: 189.411 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 34.82 Mbit/s
95th percentile per-packet one-way delay: 136.345 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 106.589 ms
Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

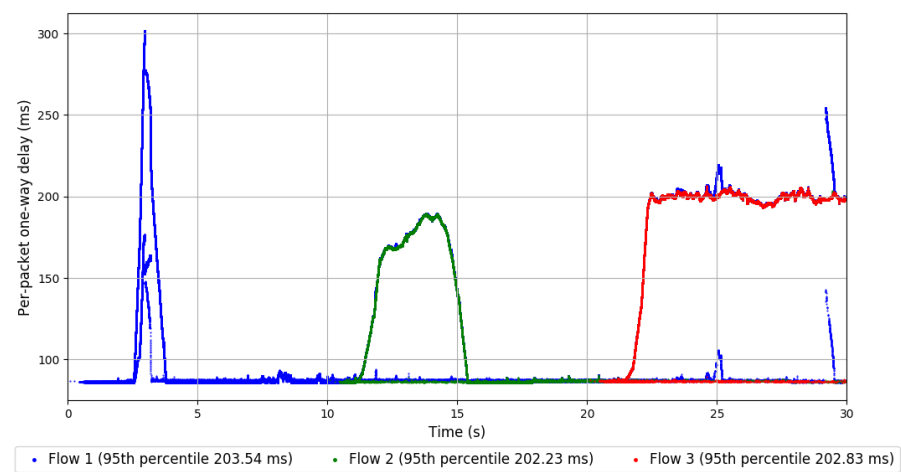
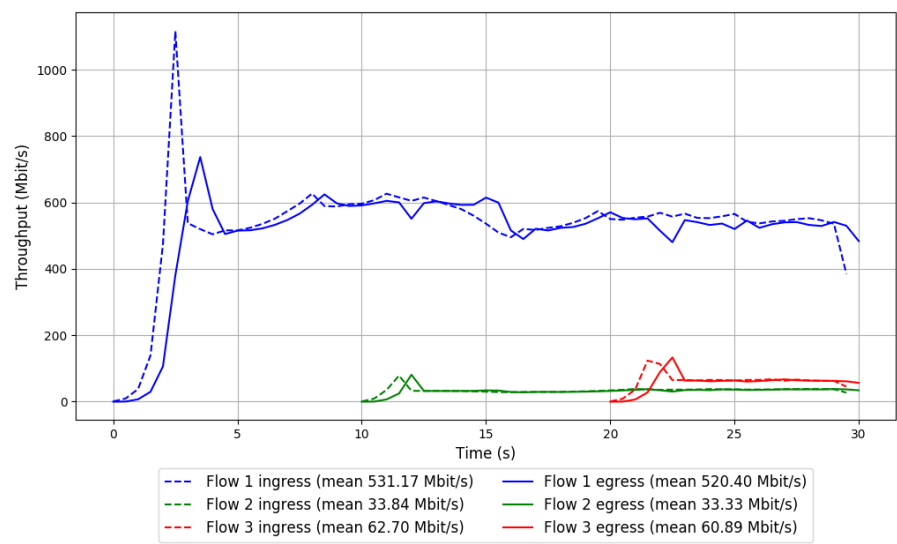


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 10:40:54
End at: 2018-06-05 10:41:24
Local clock offset: 0.001 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-05 13:37:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 562.61 Mbit/s
95th percentile per-packet one-way delay: 203.351 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 520.40 Mbit/s
95th percentile per-packet one-way delay: 203.543 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 202.232 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 60.89 Mbit/s
95th percentile per-packet one-way delay: 202.830 ms
Loss rate: 2.88%

Run 7: Report of PCC-Allegro — Data Link

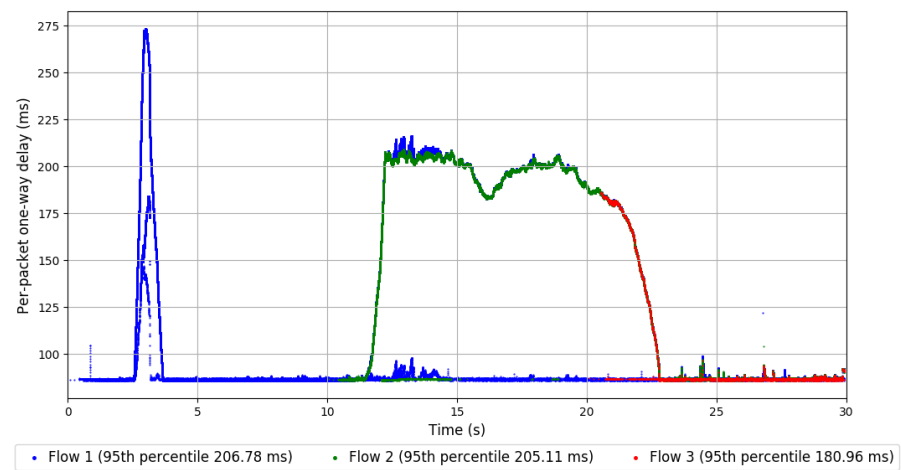
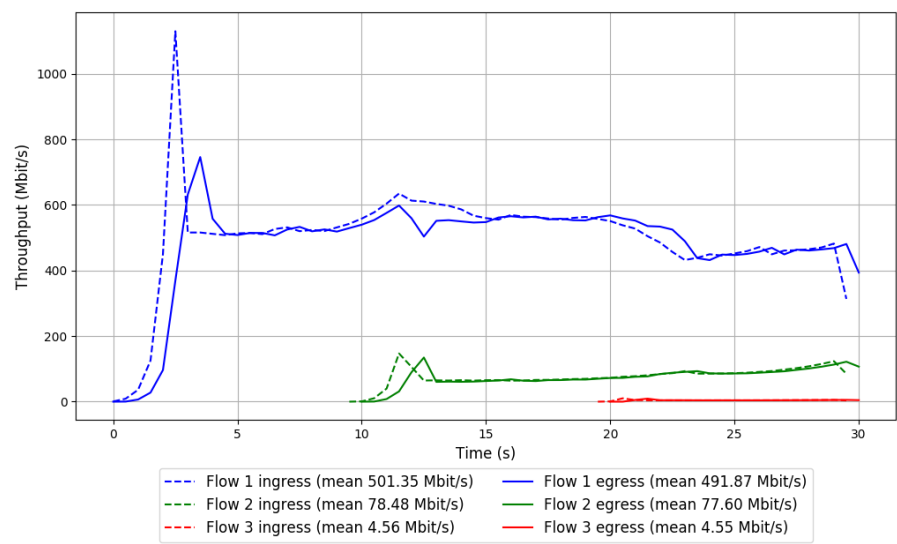


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 11:04:49
End at: 2018-06-05 11:05:19
Local clock offset: -0.001 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-05 13:38:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 545.02 Mbit/s
95th percentile per-packet one-way delay: 206.520 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 491.87 Mbit/s
95th percentile per-packet one-way delay: 206.775 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 77.60 Mbit/s
95th percentile per-packet one-way delay: 205.110 ms
Loss rate: 1.11%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 180.955 ms
Loss rate: 0.11%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 11:28:25

End at: 2018-06-05 11:28:55

Local clock offset: -0.145 ms

Remote clock offset: -0.1 ms

Below is generated by plot.py at 2018-06-05 13:39:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 563.65 Mbit/s

95th percentile per-packet one-way delay: 252.136 ms

Loss rate: 5.24%

-- Flow 1:

Average throughput: 496.74 Mbit/s

95th percentile per-packet one-way delay: 254.178 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 206.054 ms

Loss rate: 2.14%

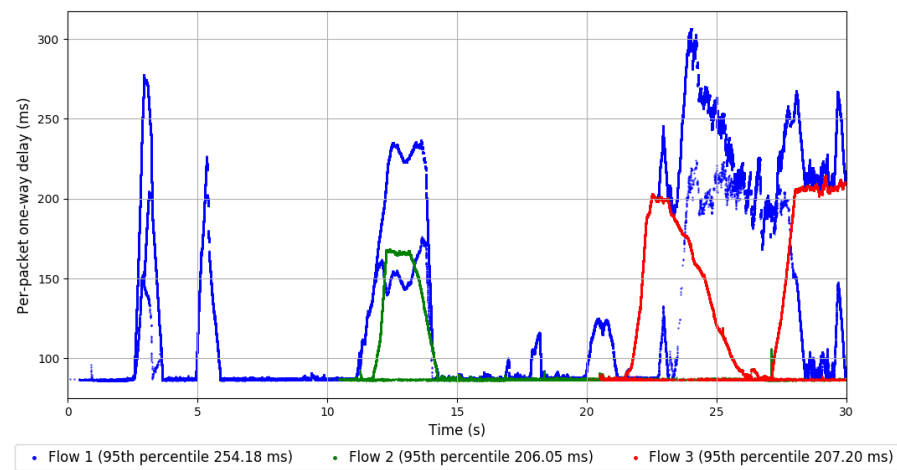
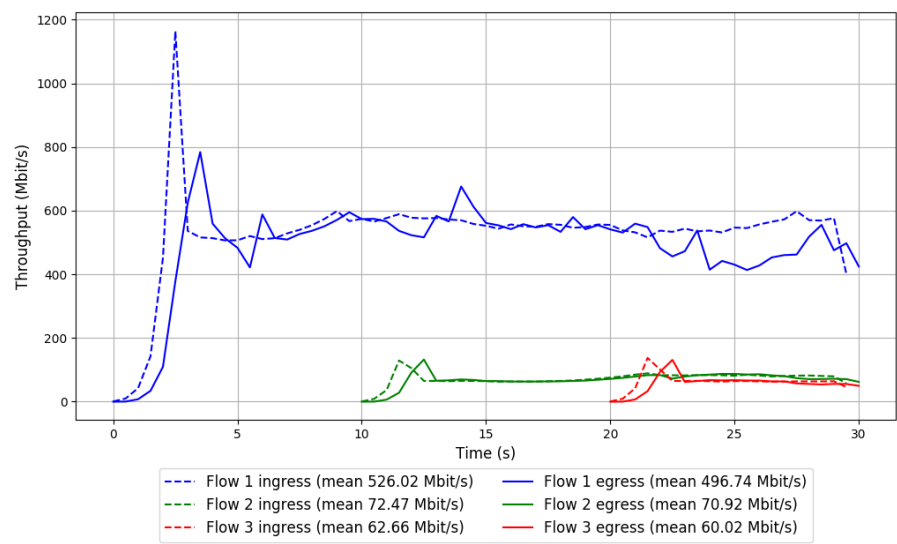
-- Flow 3:

Average throughput: 60.02 Mbit/s

95th percentile per-packet one-way delay: 207.196 ms

Loss rate: 4.20%

Run 9: Report of PCC-Allegro — Data Link

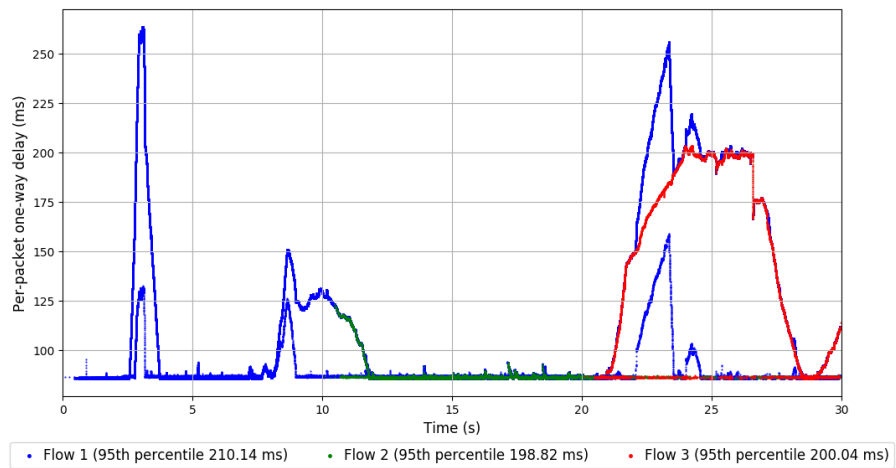
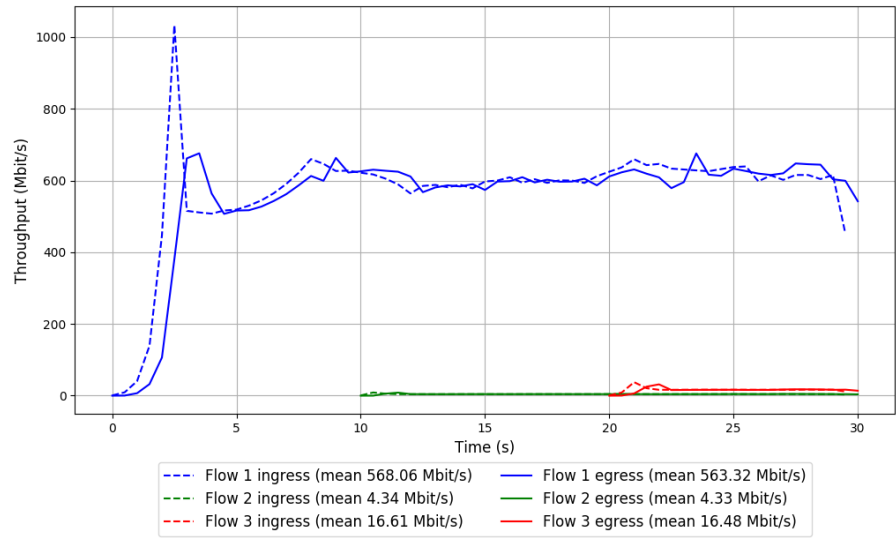


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 11:52:21
End at: 2018-06-05 11:52:52
Local clock offset: 0.27 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-06-05 13:39:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 571.57 Mbit/s
95th percentile per-packet one-way delay: 210.019 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 563.32 Mbit/s
95th percentile per-packet one-way delay: 210.140 ms
Loss rate: 0.84%
-- Flow 2:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 198.818 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 200.036 ms
Loss rate: 0.79%

Run 10: Report of PCC-Allegro — Data Link

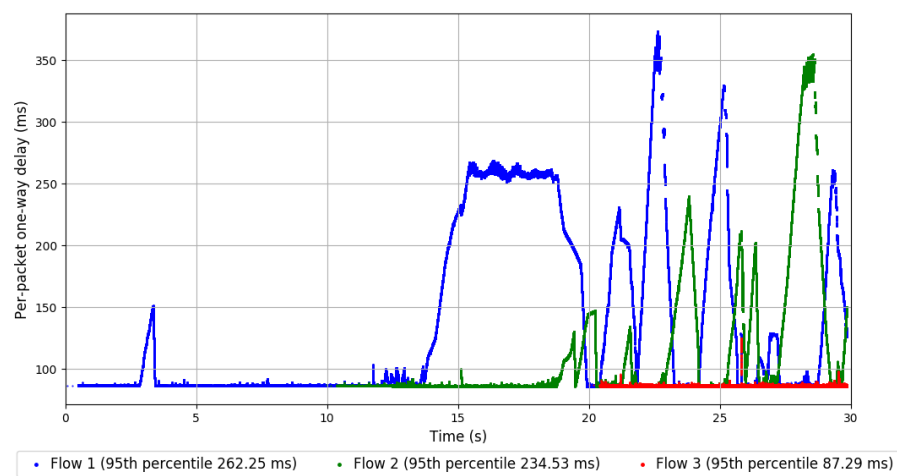
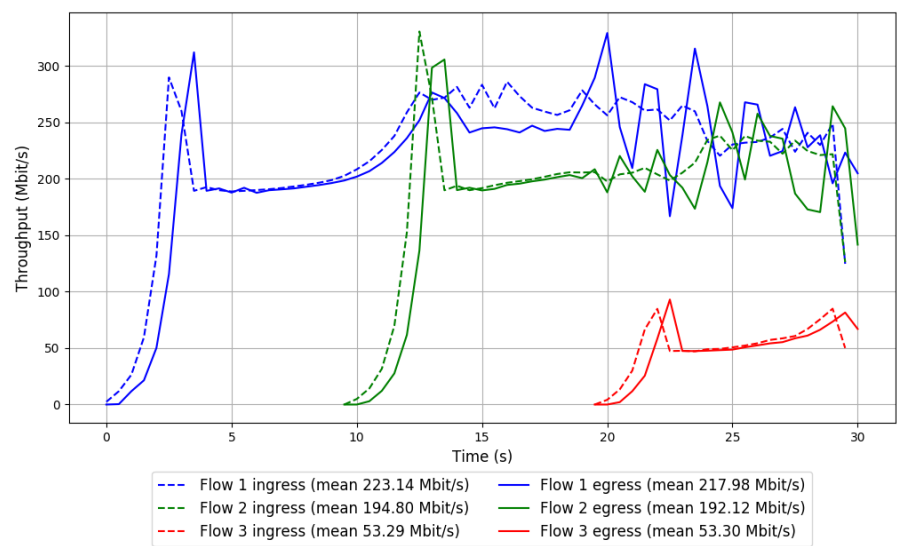


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 08:12:49
End at: 2018-06-05 08:13:19
Local clock offset: -0.03 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-06-05 13:42:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 363.94 Mbit/s
95th percentile per-packet one-way delay: 260.831 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 217.98 Mbit/s
95th percentile per-packet one-way delay: 262.248 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 192.12 Mbit/s
95th percentile per-packet one-way delay: 234.531 ms
Loss rate: 1.38%
-- Flow 3:
Average throughput: 53.30 Mbit/s
95th percentile per-packet one-way delay: 87.294 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

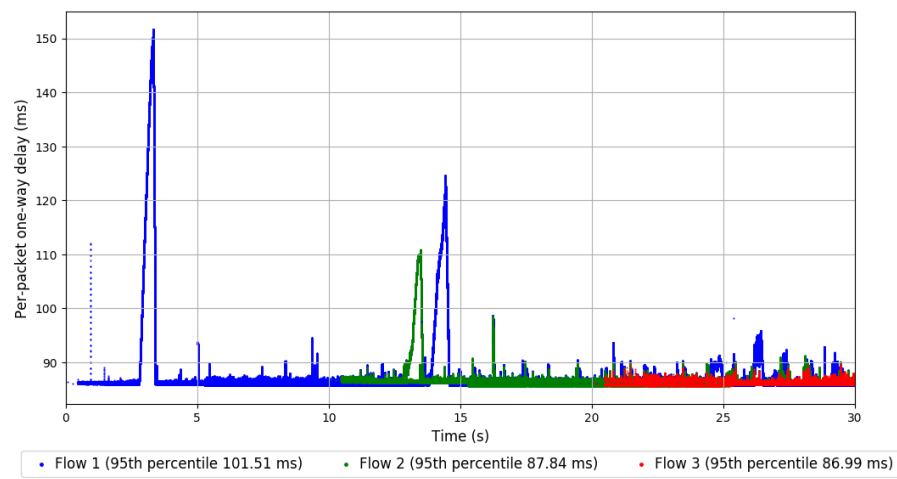
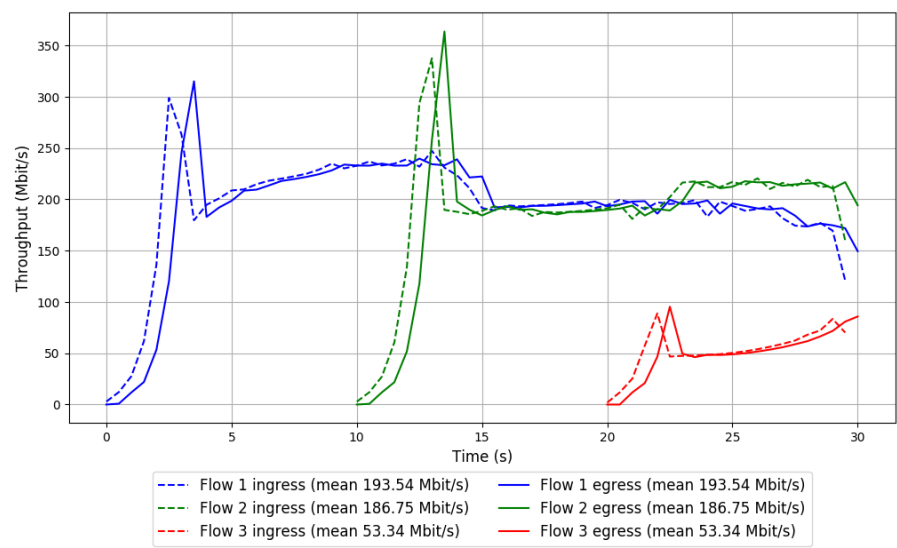


Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 08:36:26
End at: 2018-06-05 08:36:56
Local clock offset: 0.036 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-06-05 13:42:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 335.39 Mbit/s
95th percentile per-packet one-way delay: 91.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.54 Mbit/s
95th percentile per-packet one-way delay: 101.508 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.75 Mbit/s
95th percentile per-packet one-way delay: 87.843 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link

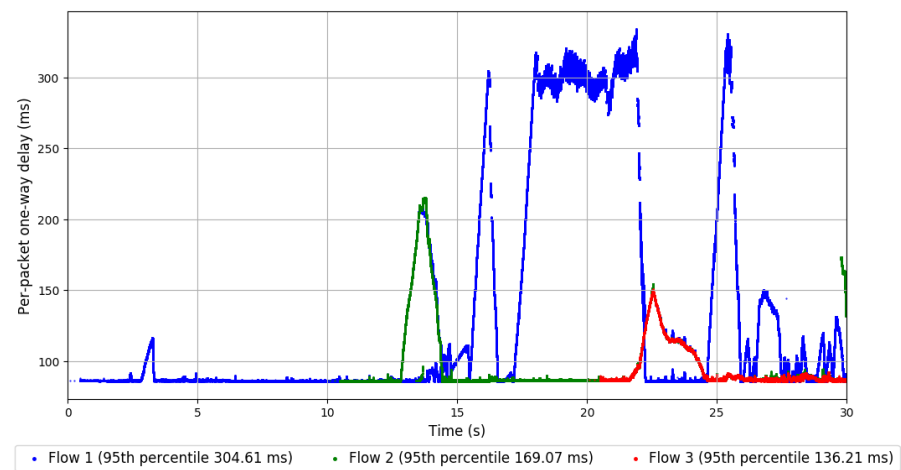
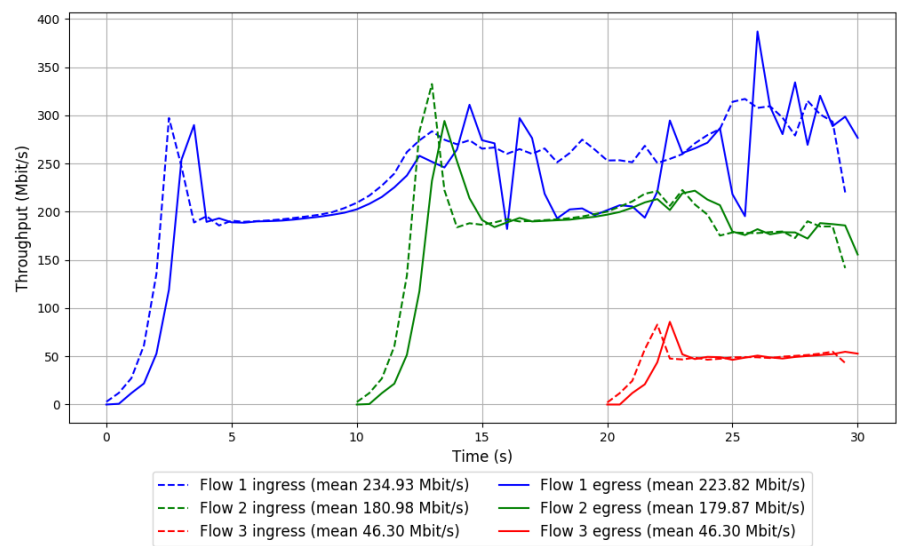


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 09:00:25
End at: 2018-06-05 09:00:55
Local clock offset: 0.002 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-05 13:42:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.73 Mbit/s
95th percentile per-packet one-way delay: 298.846 ms
Loss rate: 3.19%
-- Flow 1:
Average throughput: 223.82 Mbit/s
95th percentile per-packet one-way delay: 304.605 ms
Loss rate: 4.73%
-- Flow 2:
Average throughput: 179.87 Mbit/s
95th percentile per-packet one-way delay: 169.070 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 136.205 ms
Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link

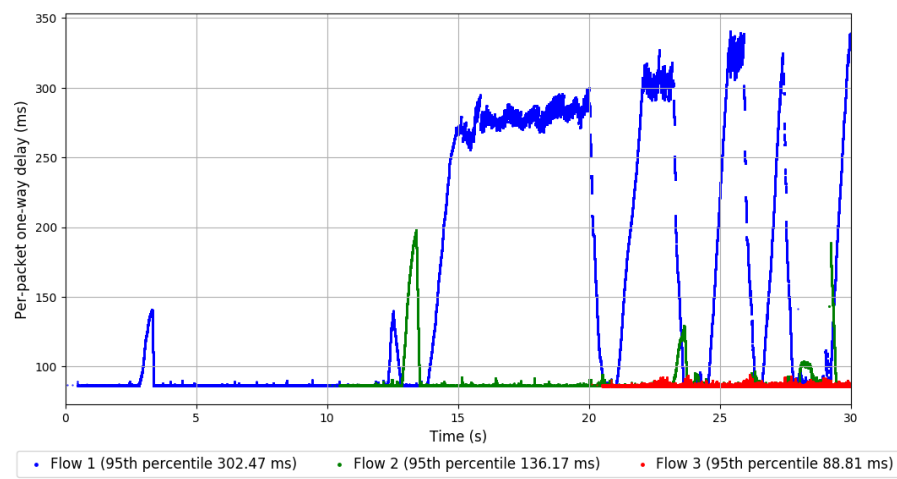
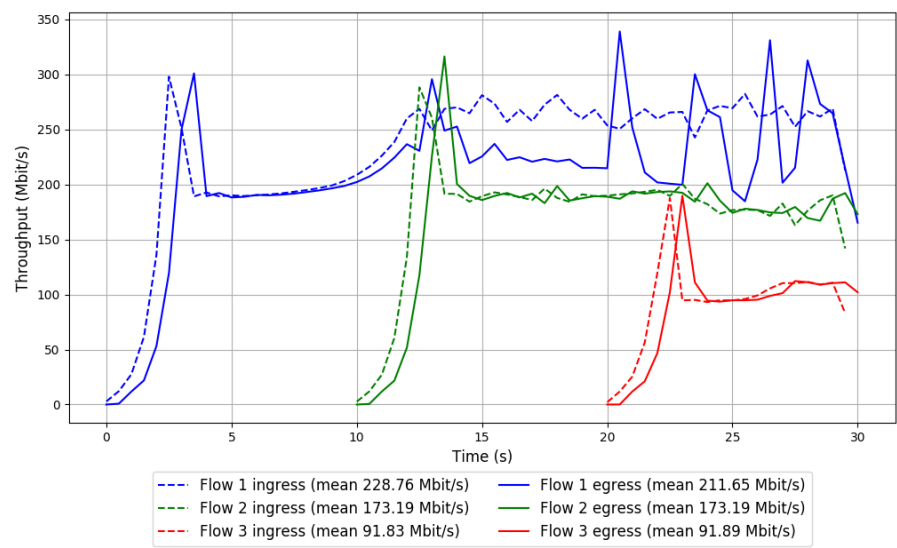


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 09:24:25
End at: 2018-06-05 09:24:55
Local clock offset: -0.079 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-05 13:43:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 357.12 Mbit/s
95th percentile per-packet one-way delay: 289.872 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 211.65 Mbit/s
95th percentile per-packet one-way delay: 302.469 ms
Loss rate: 7.48%
-- Flow 2:
Average throughput: 173.19 Mbit/s
95th percentile per-packet one-way delay: 136.172 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 91.89 Mbit/s
95th percentile per-packet one-way delay: 88.815 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 09:48:09

End at: 2018-06-05 09:48:39

Local clock offset: -0.124 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-05 13:50:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 381.66 Mbit/s

95th percentile per-packet one-way delay: 216.877 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 169.89 Mbit/s

95th percentile per-packet one-way delay: 158.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 276.32 Mbit/s

95th percentile per-packet one-way delay: 221.985 ms

Loss rate: 1.97%

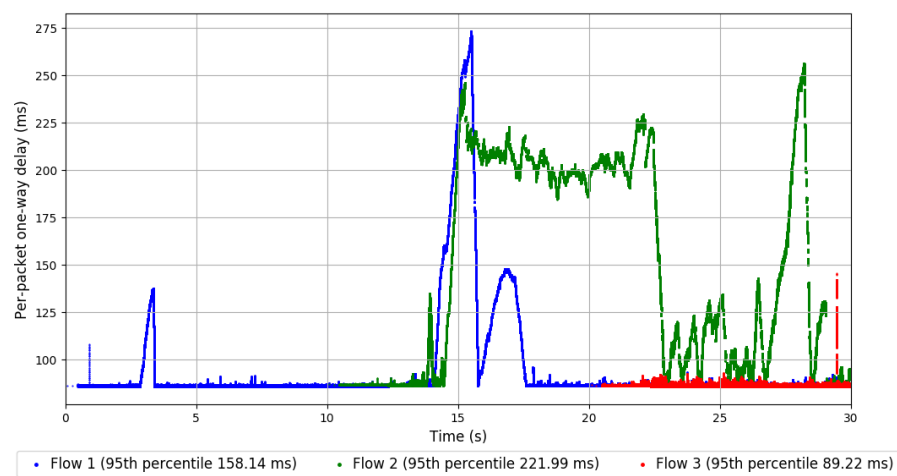
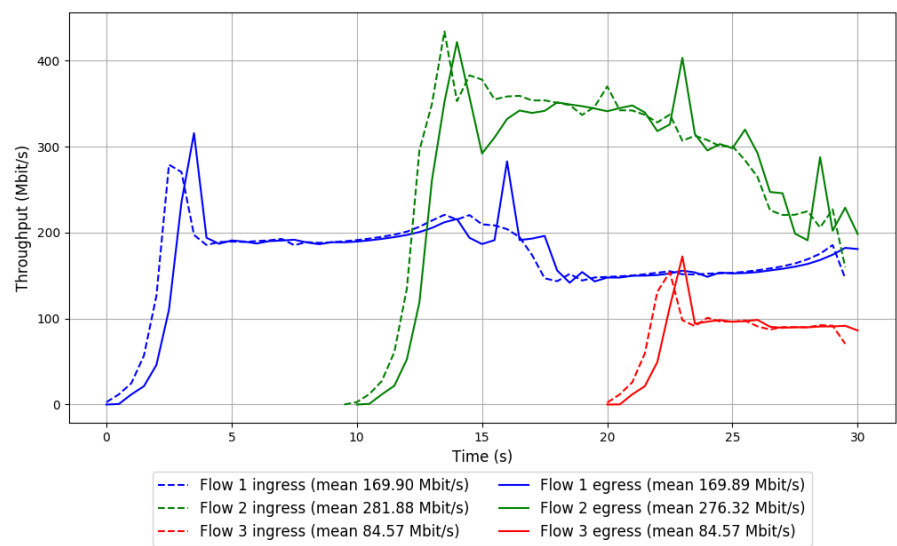
-- Flow 3:

Average throughput: 84.57 Mbit/s

95th percentile per-packet one-way delay: 89.218 ms

Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

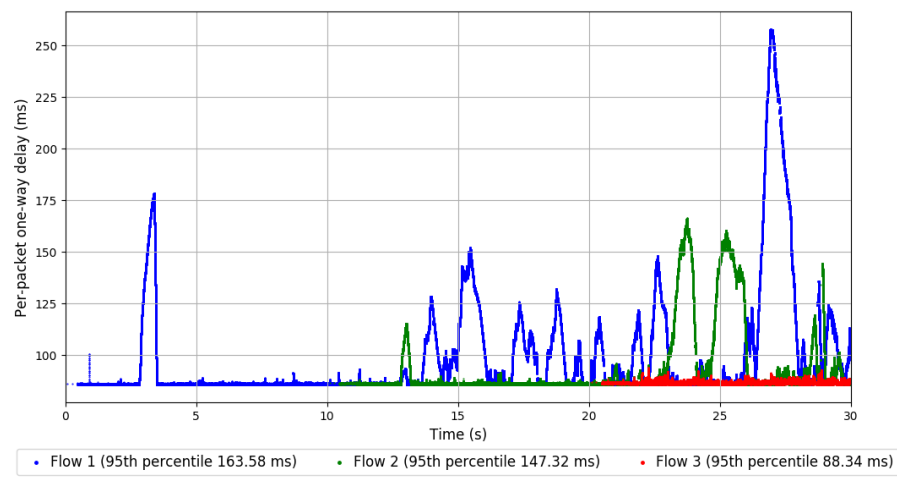
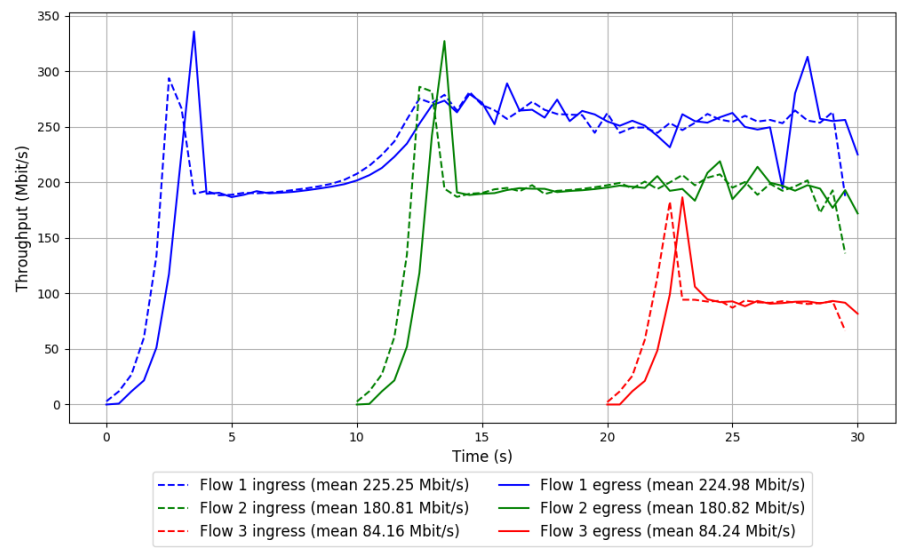


Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 10:12:05
End at: 2018-06-05 10:12:35
Local clock offset: 0.136 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-05 13:50:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.98 Mbit/s
95th percentile per-packet one-way delay: 149.748 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 224.98 Mbit/s
95th percentile per-packet one-way delay: 163.581 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 180.82 Mbit/s
95th percentile per-packet one-way delay: 147.316 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 88.341 ms
Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

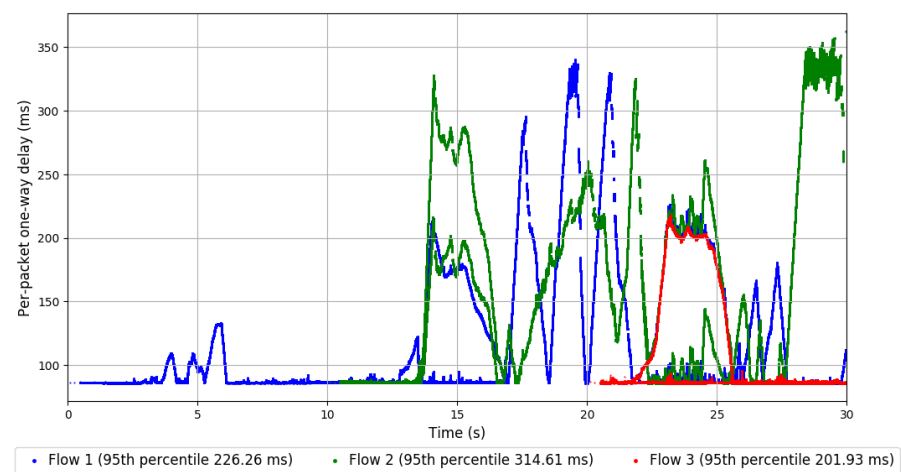
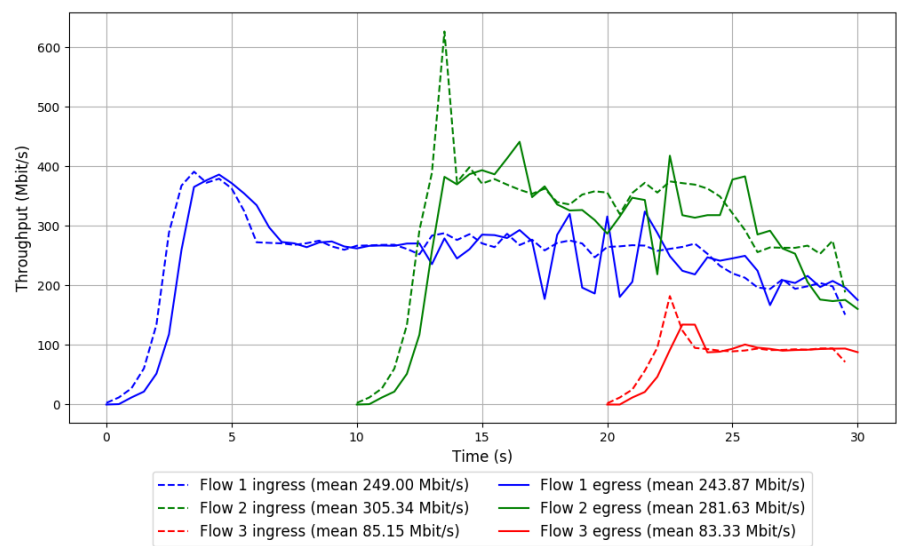


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 10:35:42
End at: 2018-06-05 10:36:12
Local clock offset: 0.117 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 458.65 Mbit/s
95th percentile per-packet one-way delay: 278.614 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 243.87 Mbit/s
95th percentile per-packet one-way delay: 226.258 ms
Loss rate: 2.07%
-- Flow 2:
Average throughput: 281.63 Mbit/s
95th percentile per-packet one-way delay: 314.605 ms
Loss rate: 7.74%
-- Flow 3:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 201.930 ms
Loss rate: 2.15%

Run 7: Report of PCC-Expr — Data Link

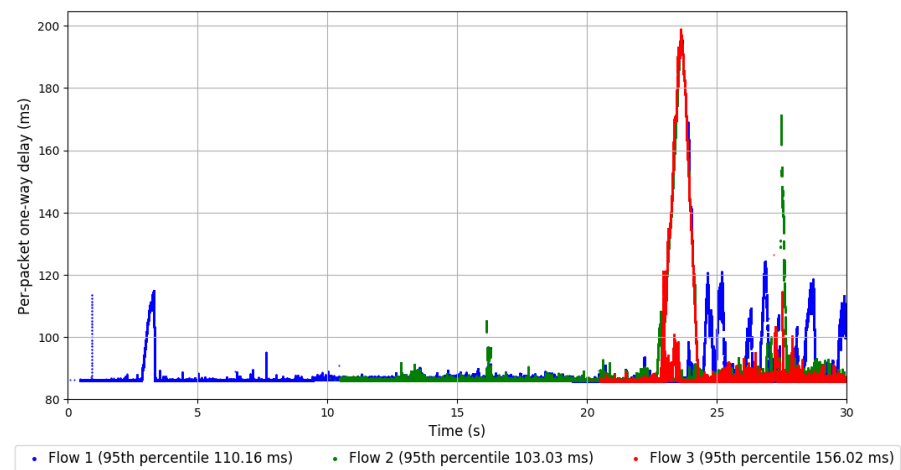
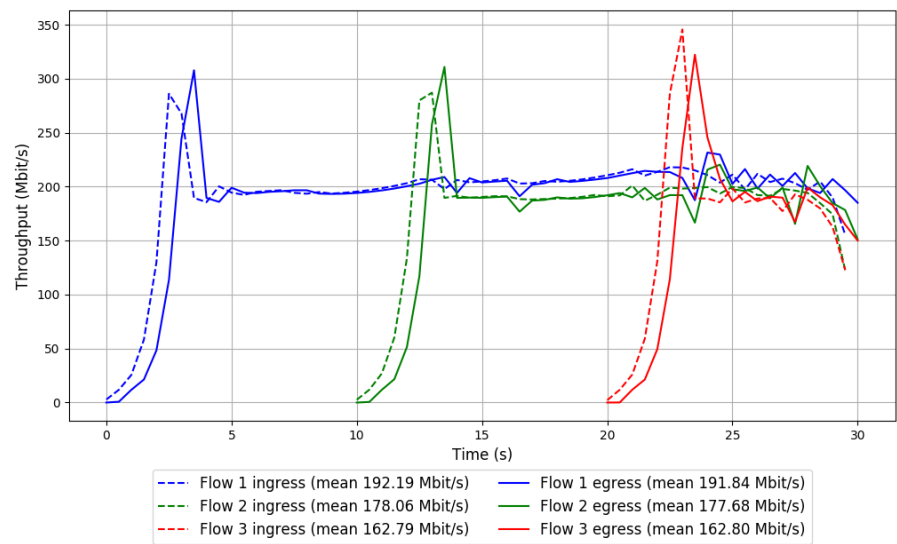


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 10:59:42
End at: 2018-06-05 11:00:12
Local clock offset: 0.015 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.72 Mbit/s
95th percentile per-packet one-way delay: 112.112 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 191.84 Mbit/s
95th percentile per-packet one-way delay: 110.160 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 177.68 Mbit/s
95th percentile per-packet one-way delay: 103.035 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 162.80 Mbit/s
95th percentile per-packet one-way delay: 156.021 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link

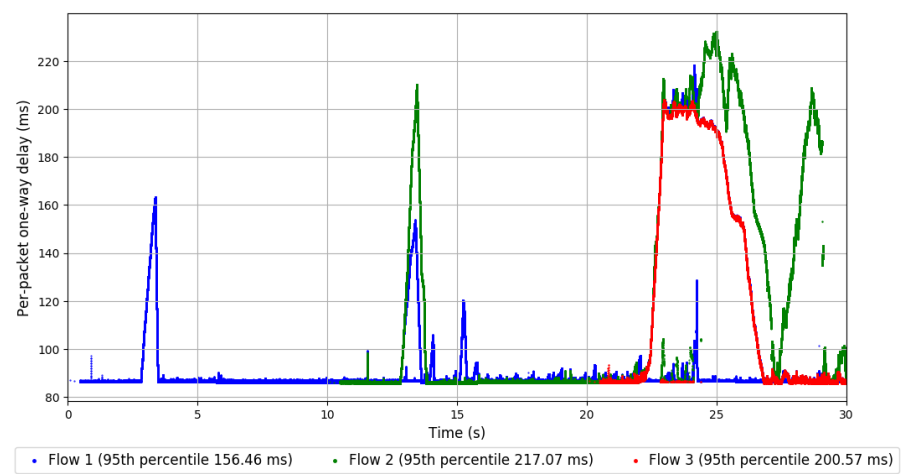
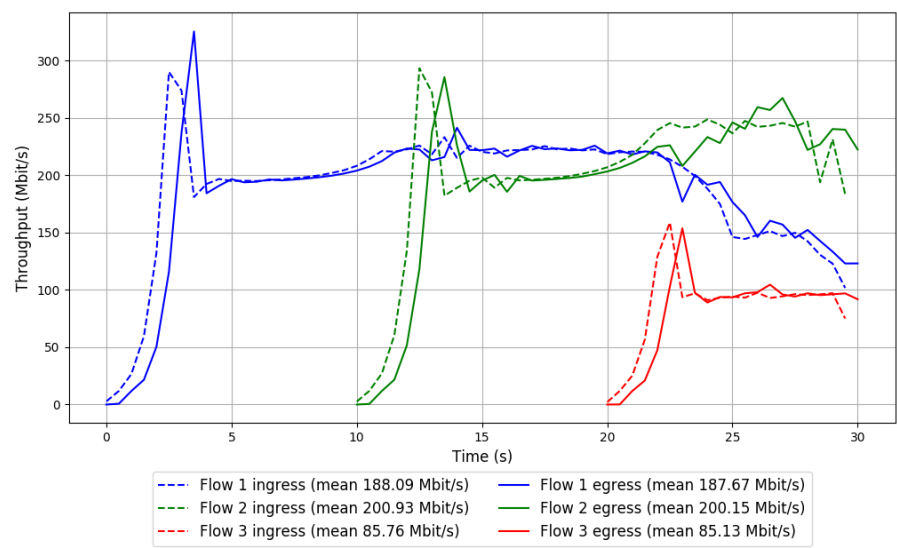


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 11:23:26
End at: 2018-06-05 11:23:56
Local clock offset: 0.026 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.86 Mbit/s
95th percentile per-packet one-way delay: 202.981 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 187.67 Mbit/s
95th percentile per-packet one-way delay: 156.457 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 217.075 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 200.573 ms
Loss rate: 0.75%

Run 9: Report of PCC-Expr — Data Link

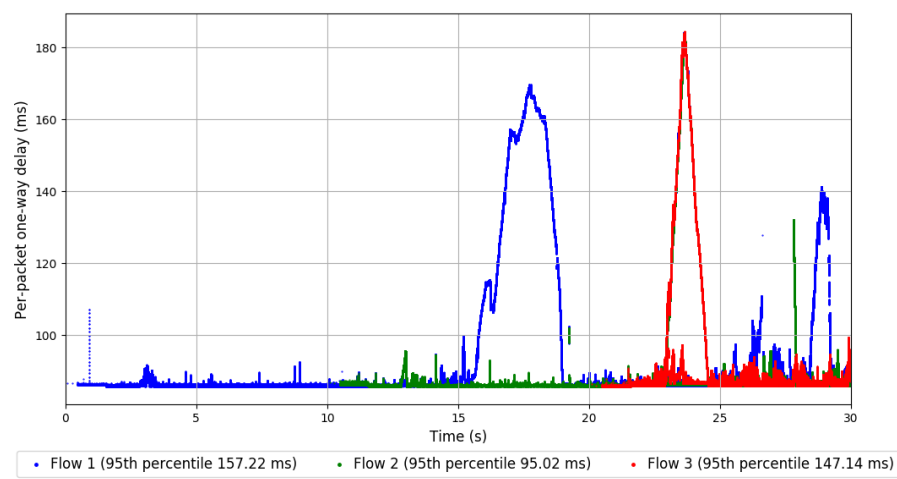
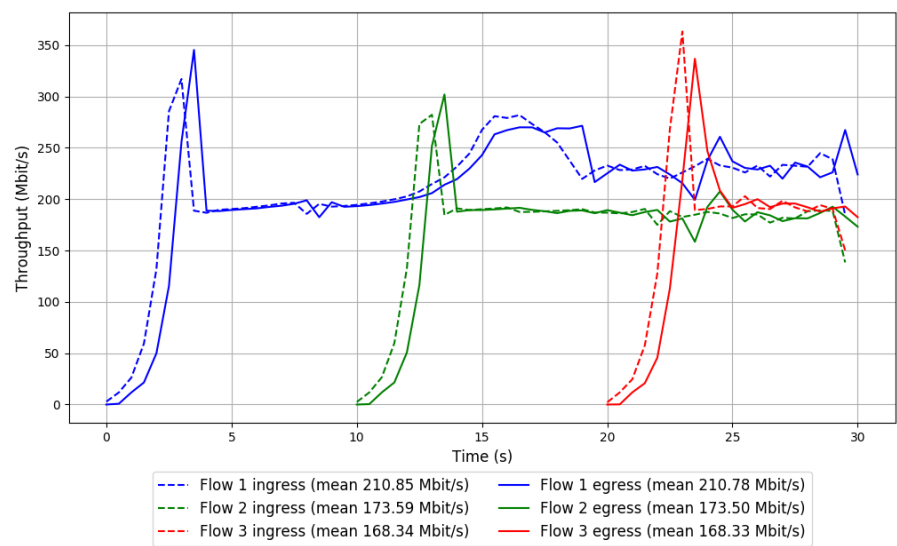


Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 11:47:10
End at: 2018-06-05 11:47:40
Local clock offset: 0.021 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.66 Mbit/s
95th percentile per-packet one-way delay: 152.824 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 210.78 Mbit/s
95th percentile per-packet one-way delay: 157.219 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 173.50 Mbit/s
95th percentile per-packet one-way delay: 95.018 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 168.33 Mbit/s
95th percentile per-packet one-way delay: 147.136 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

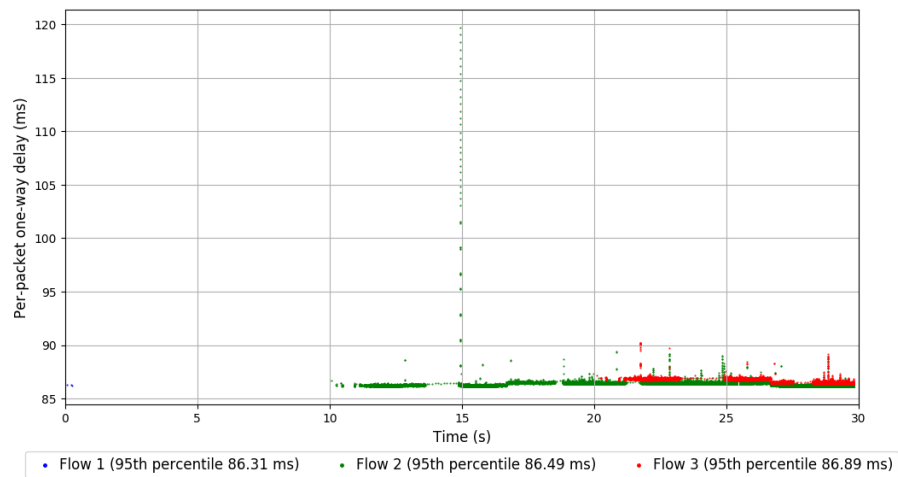
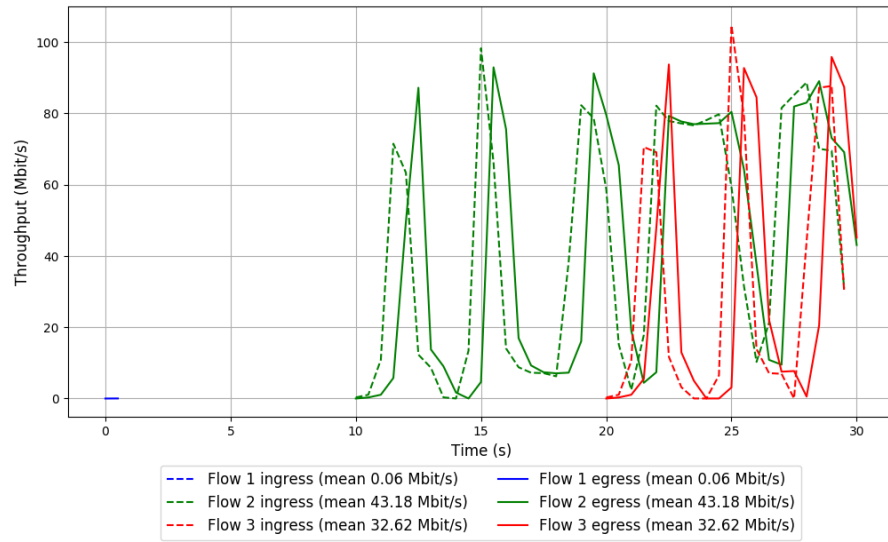


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 08:25:34
End at: 2018-06-05 08:26:05
Local clock offset: -0.507 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 86.830 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.314 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.18 Mbit/s
95th percentile per-packet one-way delay: 86.491 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 86.894 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

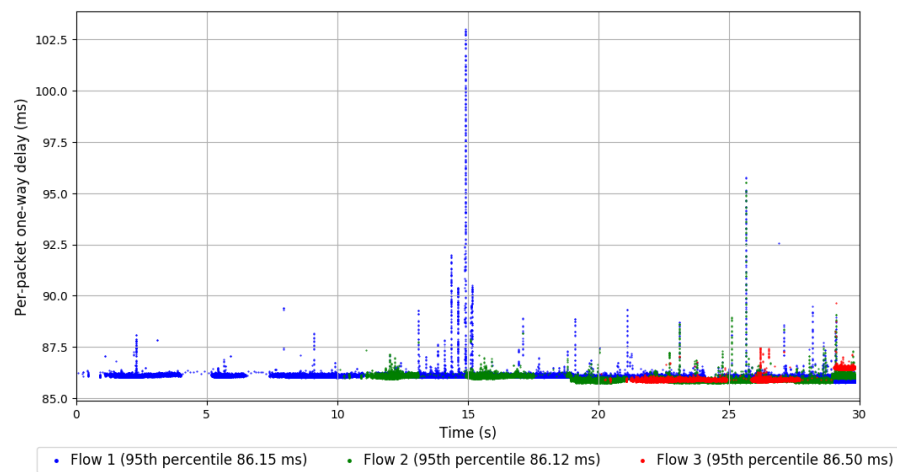
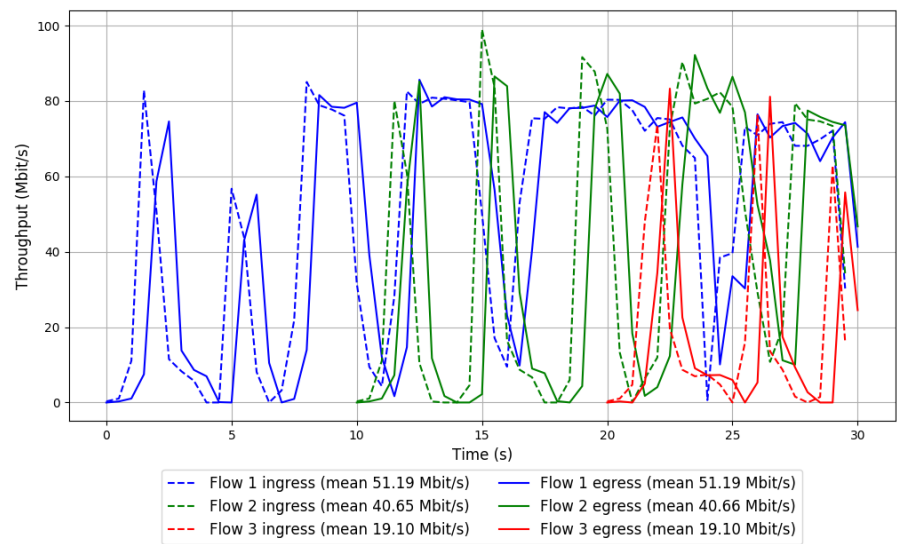


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 08:49:22
End at: 2018-06-05 08:49:52
Local clock offset: -0.109 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 86.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.19 Mbit/s
95th percentile per-packet one-way delay: 86.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.66 Mbit/s
95th percentile per-packet one-way delay: 86.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.10 Mbit/s
95th percentile per-packet one-way delay: 86.500 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

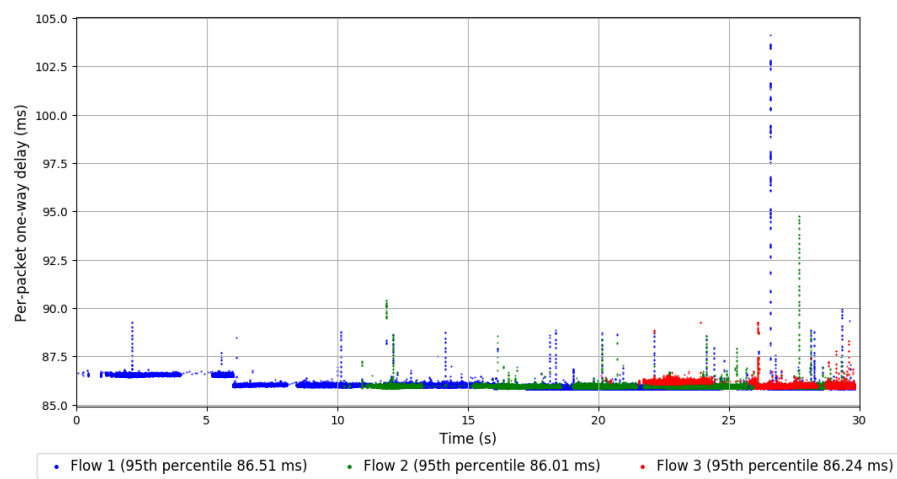
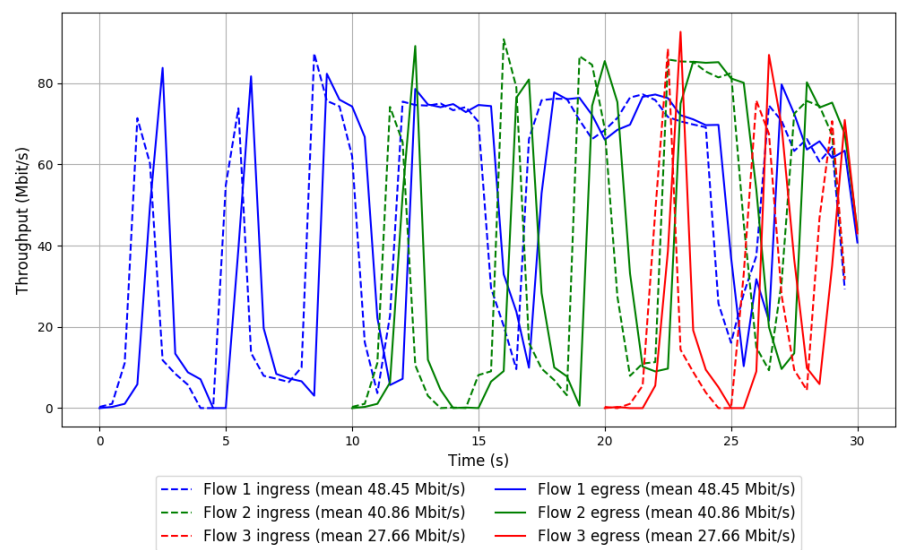


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 09:13:25
End at: 2018-06-05 09:13:55
Local clock offset: -0.138 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: 86.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.45 Mbit/s
95th percentile per-packet one-way delay: 86.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.86 Mbit/s
95th percentile per-packet one-way delay: 86.011 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 27.66 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 09:37:12

End at: 2018-06-05 09:37:42

Local clock offset: -0.101 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-05 13:54:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.68 Mbit/s

95th percentile per-packet one-way delay: 86.137 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 52.59 Mbit/s

95th percentile per-packet one-way delay: 85.980 ms

Loss rate: 0.00%

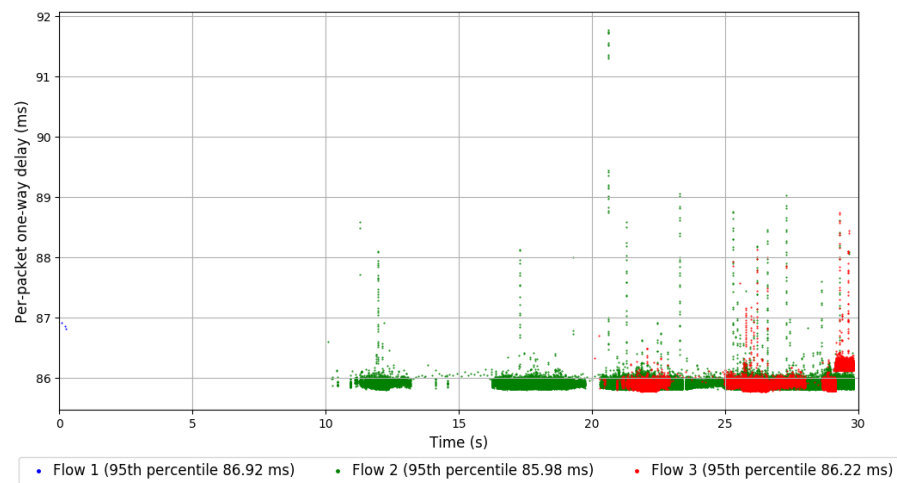
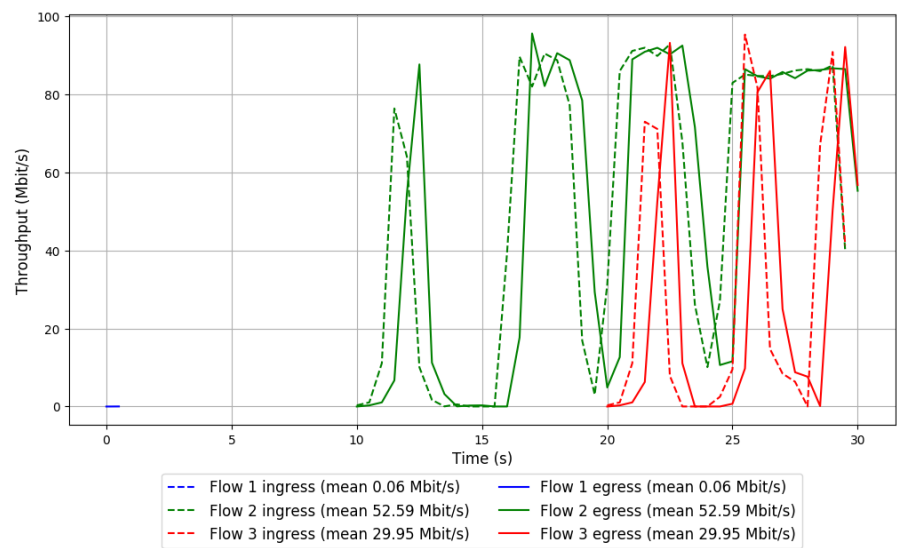
-- Flow 3:

Average throughput: 29.95 Mbit/s

95th percentile per-packet one-way delay: 86.225 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

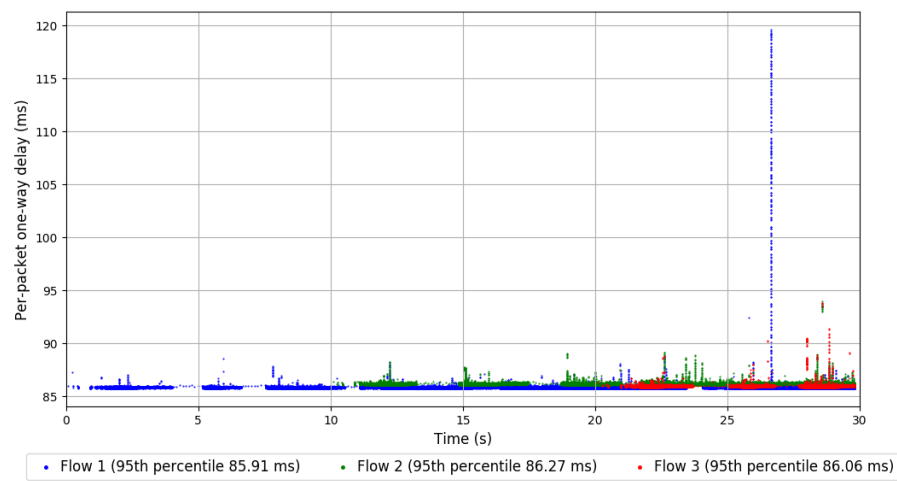
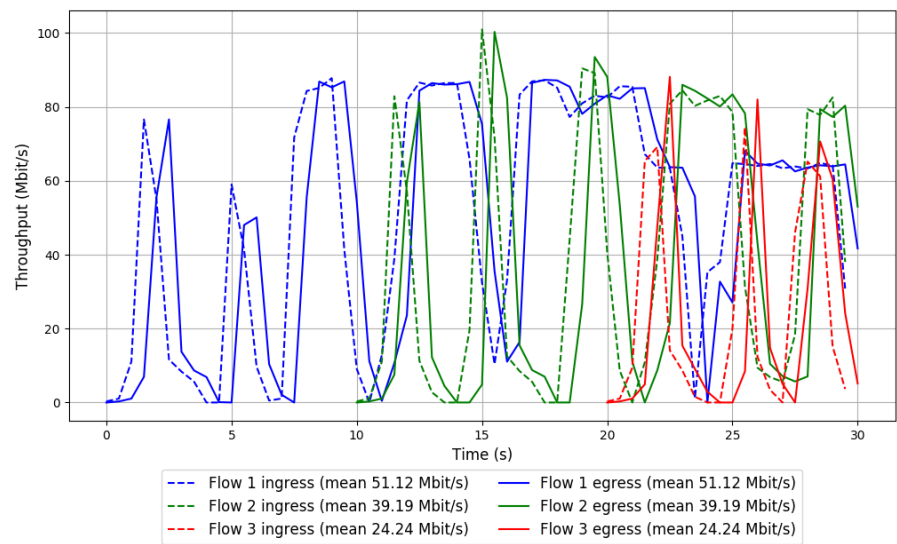


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 10:00:59
End at: 2018-06-05 10:01:29
Local clock offset: 0.042 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 86.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.12 Mbit/s
95th percentile per-packet one-way delay: 85.905 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.19 Mbit/s
95th percentile per-packet one-way delay: 86.265 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.24 Mbit/s
95th percentile per-packet one-way delay: 86.056 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

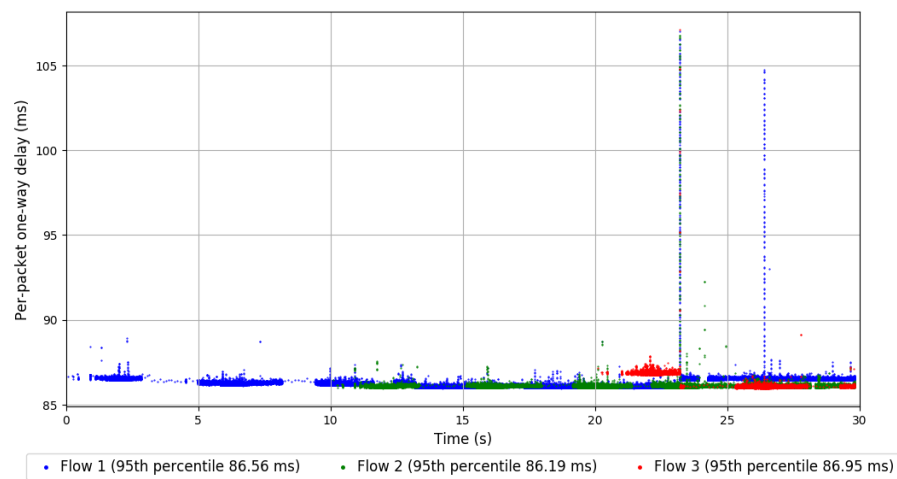
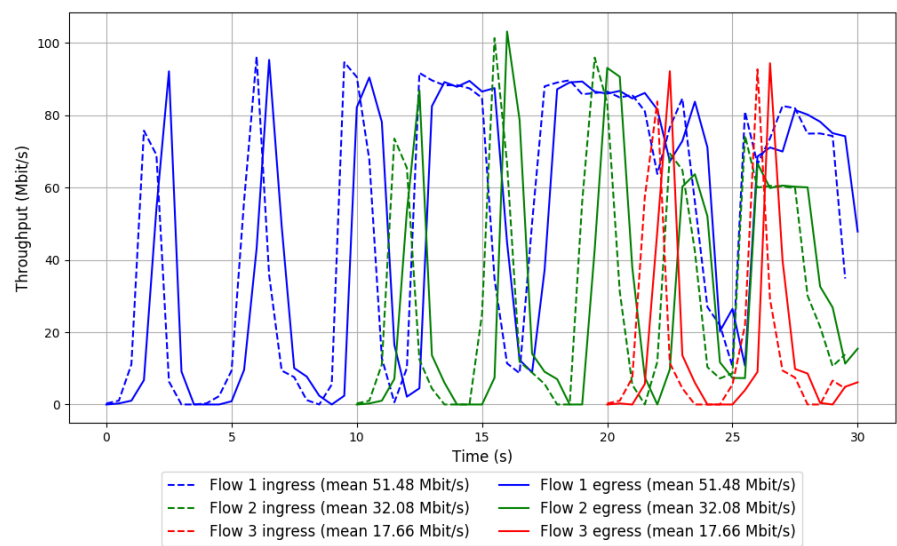


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 10:24:48
End at: 2018-06-05 10:25:18
Local clock offset: -0.21 ms
Remote clock offset: -0.088 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 86.596 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.48 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.08 Mbit/s
95th percentile per-packet one-way delay: 86.193 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.66 Mbit/s
95th percentile per-packet one-way delay: 86.948 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

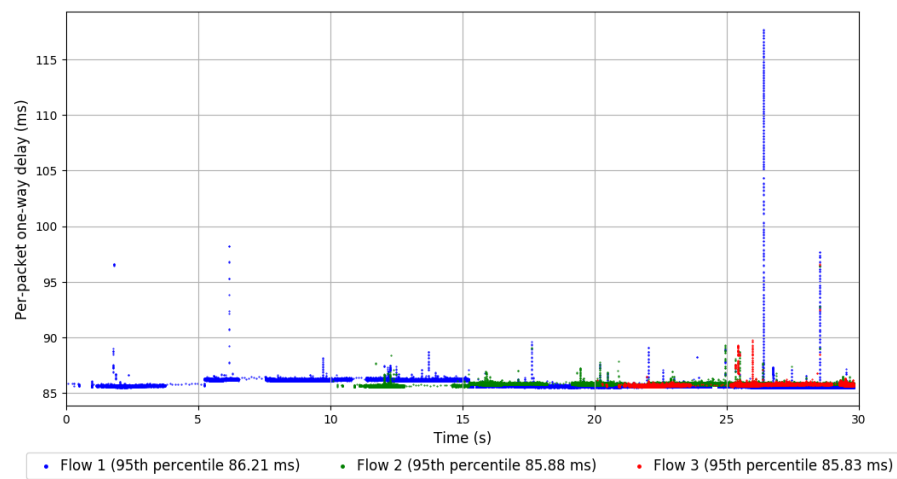
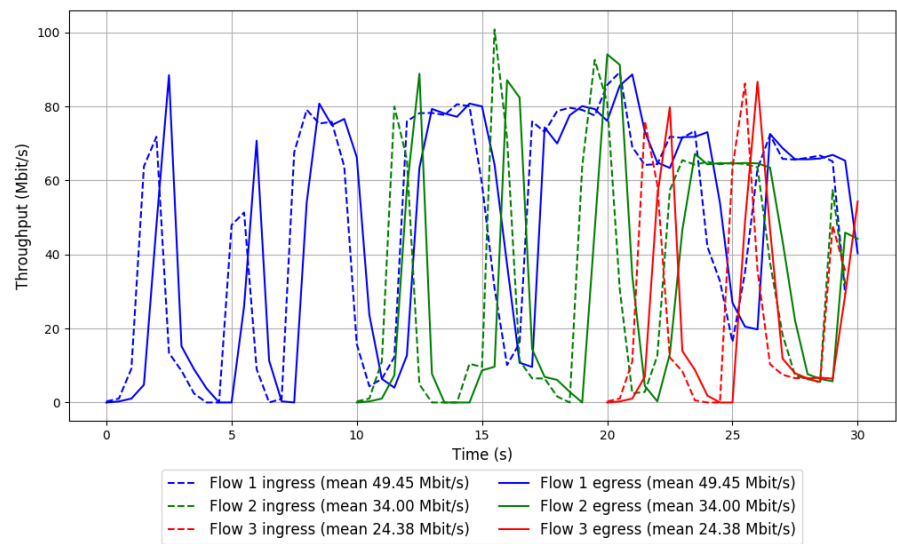


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 10:48:46
End at: 2018-06-05 10:49:16
Local clock offset: 0.284 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.96 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 86.210 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 85.834 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

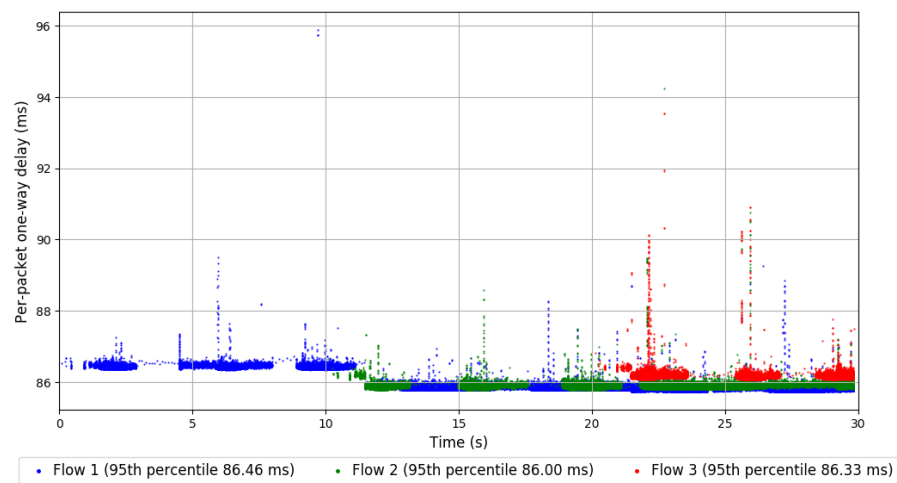
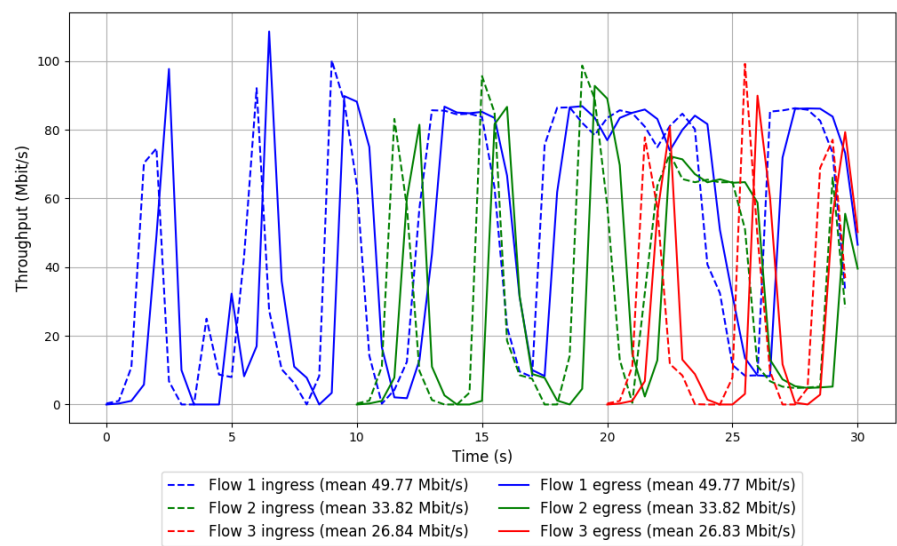


Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 11:12:30
End at: 2018-06-05 11:13:00
Local clock offset: -0.028 ms
Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 86.435 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.77 Mbit/s
95th percentile per-packet one-way delay: 86.456 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.82 Mbit/s
95th percentile per-packet one-way delay: 85.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 86.330 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

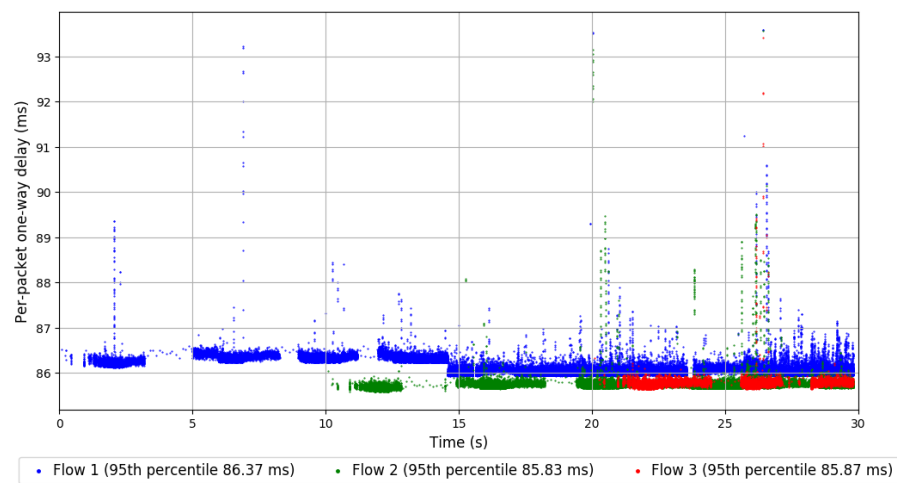
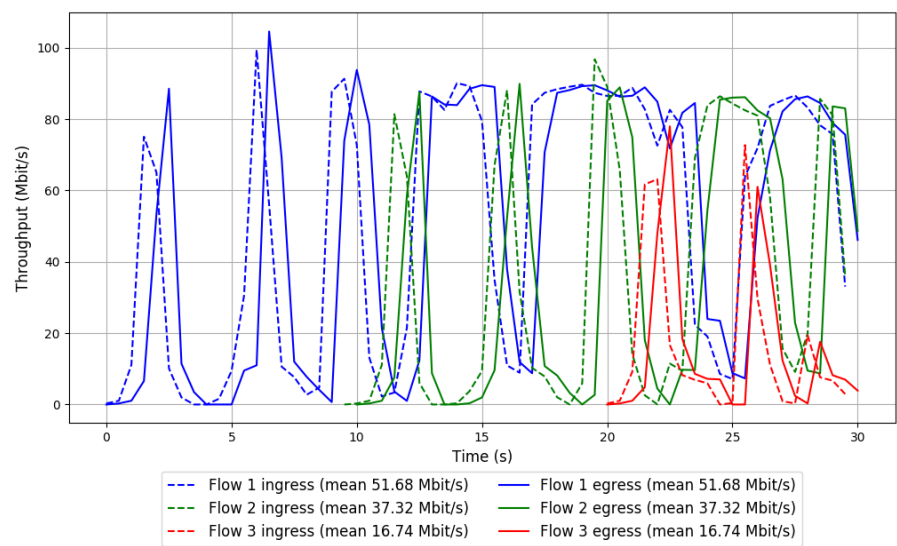


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 11:36:07
End at: 2018-06-05 11:36:37
Local clock offset: 0.108 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-06-05 13:54:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.68 Mbit/s
95th percentile per-packet one-way delay: 86.366 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.32 Mbit/s
95th percentile per-packet one-way delay: 85.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.74 Mbit/s
95th percentile per-packet one-way delay: 85.867 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

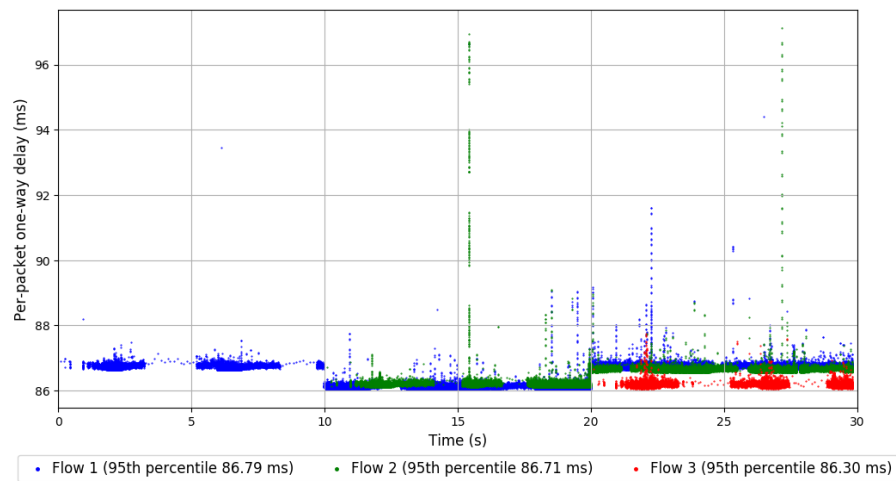
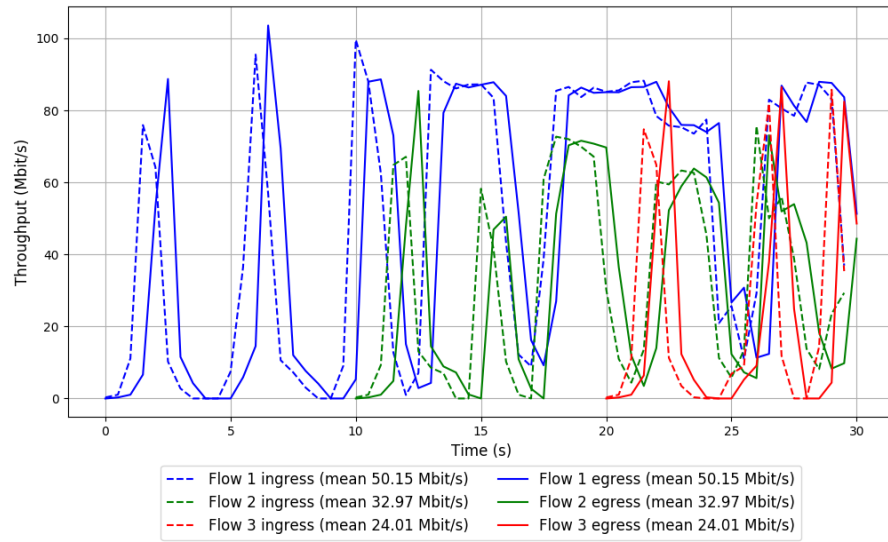


Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 12:00:01
End at: 2018-06-05 12:00:31
Local clock offset: -0.254 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.87 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.97 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 86.303 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

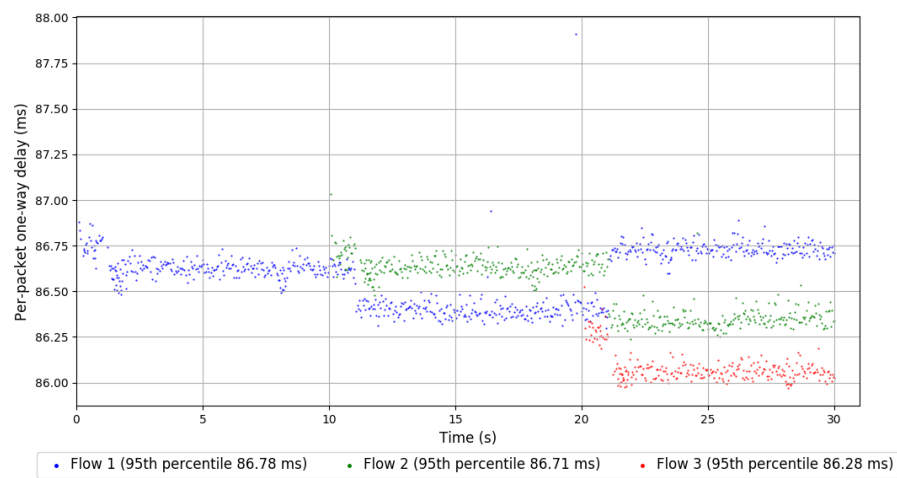
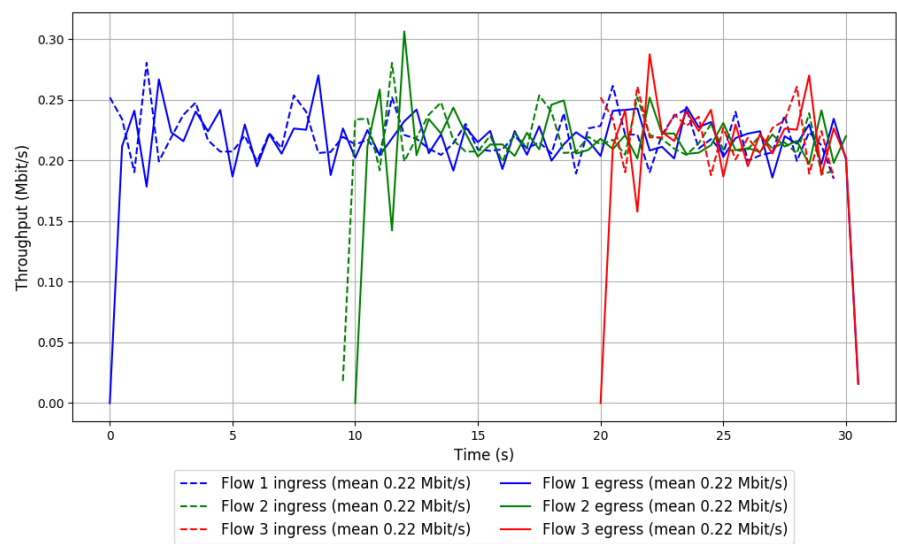


Run 1: Statistics of SReAM

Start at: 2018-06-05 08:33:50
End at: 2018-06-05 08:34:20
Local clock offset: -0.228 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.756 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.776 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.713 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

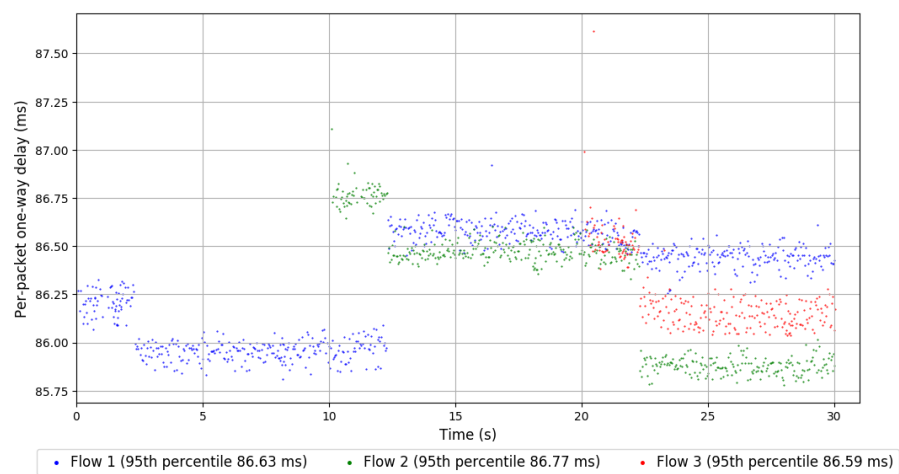
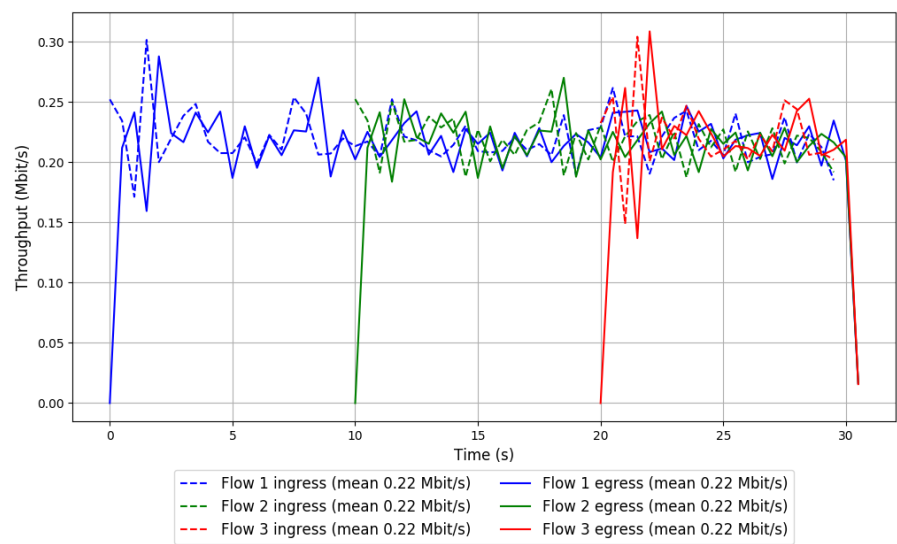


```
Run 2: Statistics of SReAM

Start at: 2018-06-05 08:57:49
End at: 2018-06-05 08:58:19
Local clock offset: -0.006 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-05 13:54:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.587 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

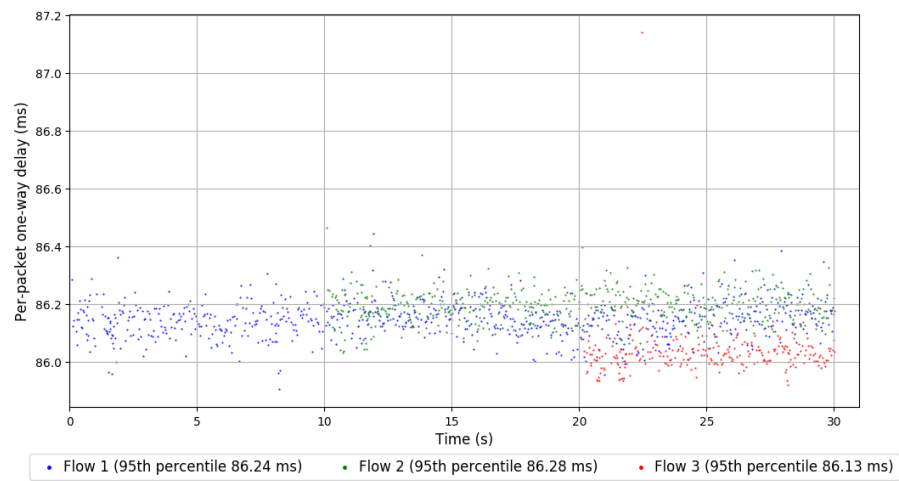
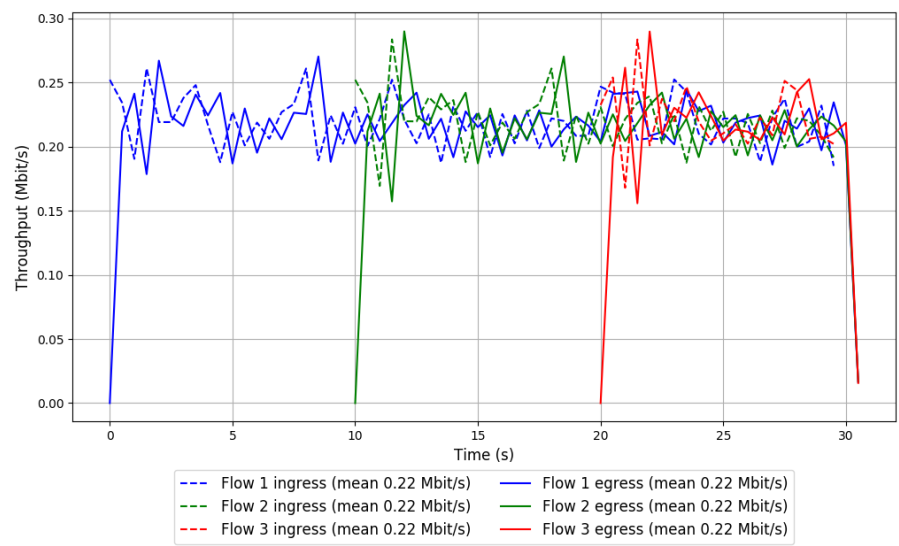


Run 3: Statistics of SReAM

Start at: 2018-06-05 09:21:49
End at: 2018-06-05 09:22:19
Local clock offset: 0.125 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.281 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.128 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

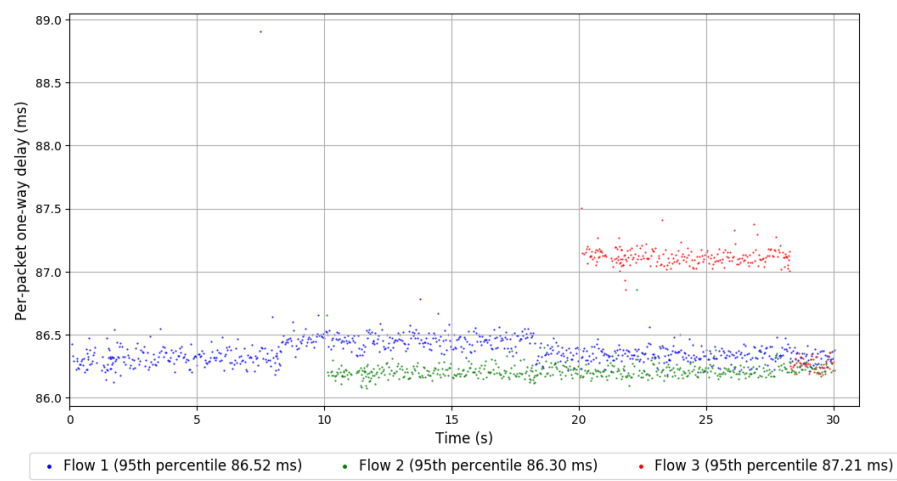
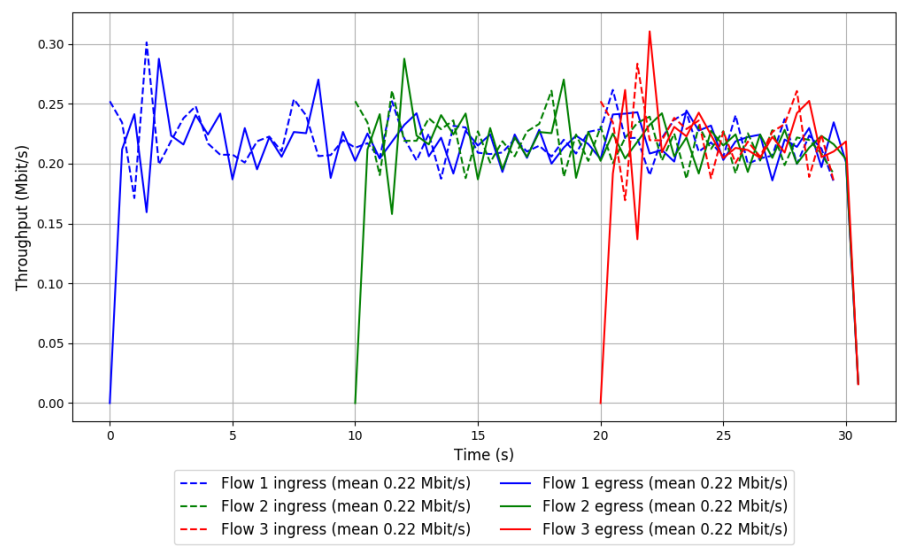


Run 4: Statistics of SReAM

Start at: 2018-06-05 09:45:33
End at: 2018-06-05 09:46:03
Local clock offset: -0.199 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.135 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.300 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.208 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

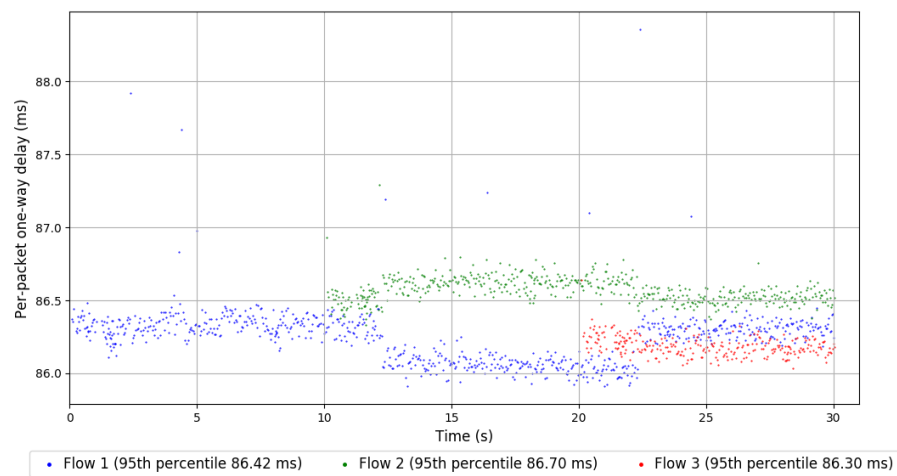
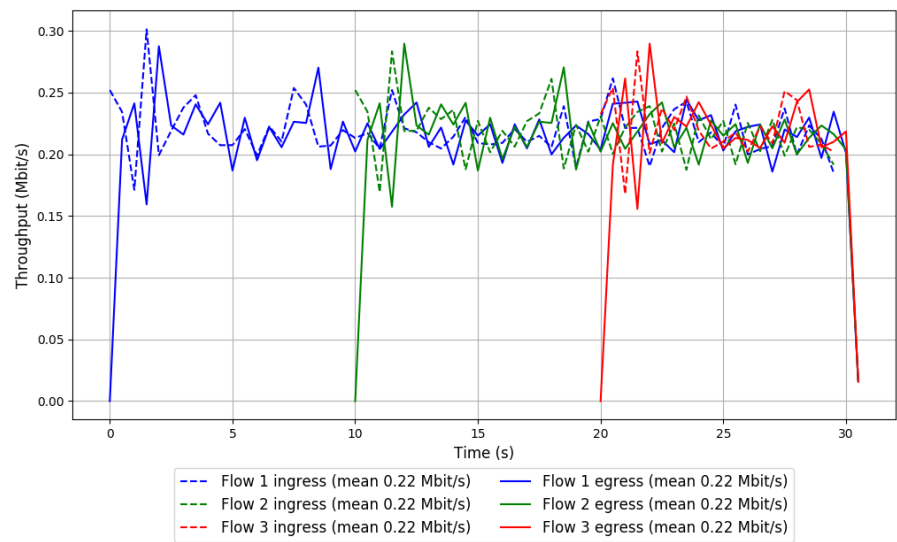


Run 5: Statistics of SReAM

Start at: 2018-06-05 10:09:29
End at: 2018-06-05 10:09:59
Local clock offset: 0.069 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

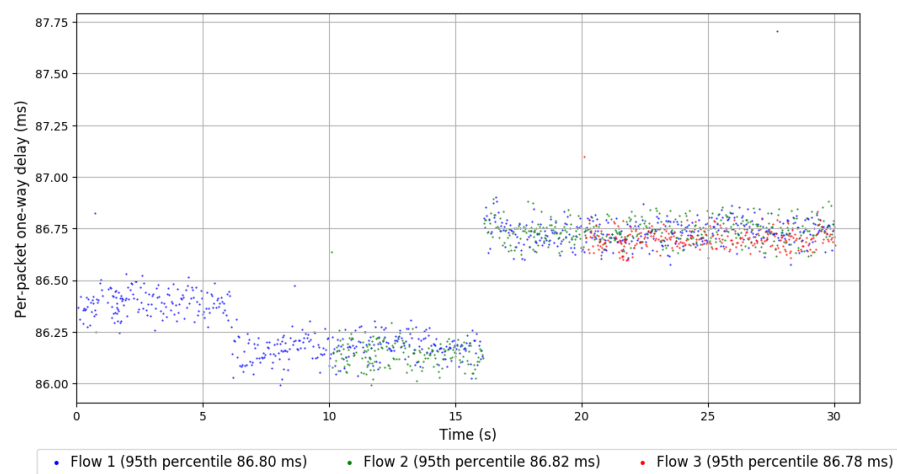
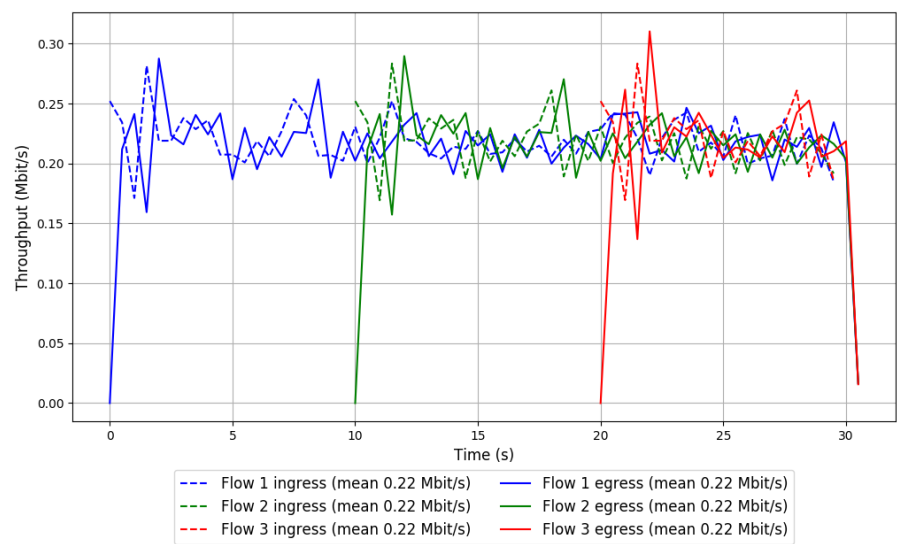


Run 6: Statistics of SReAM

Start at: 2018-06-05 10:33:05
End at: 2018-06-05 10:33:35
Local clock offset: -0.045 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

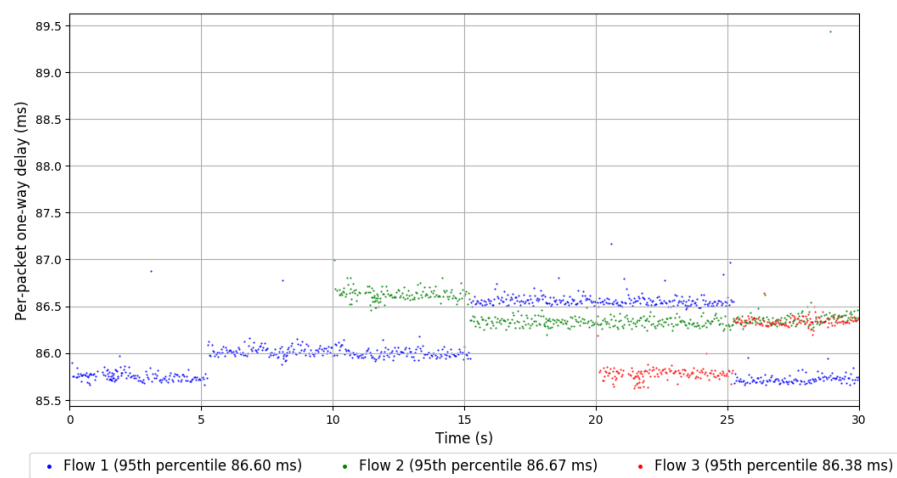
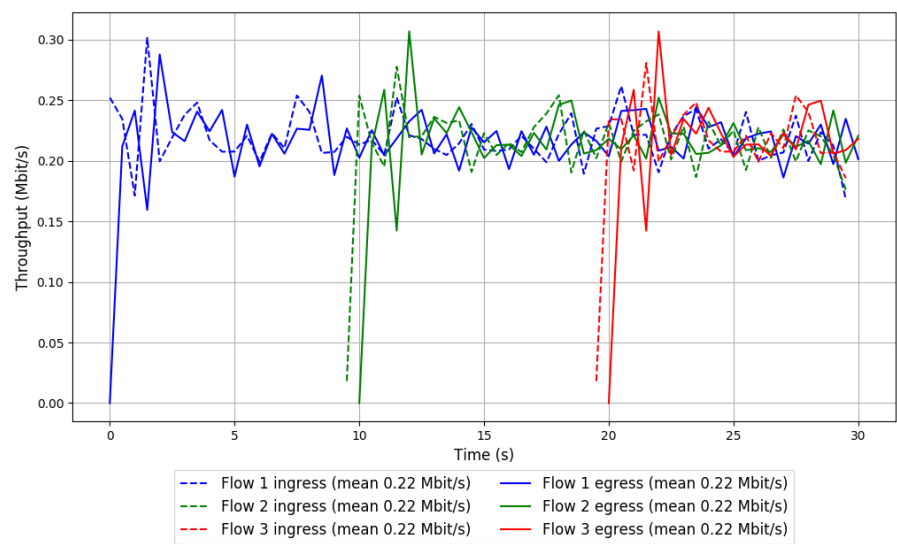


Run 7: Statistics of SReAM

Start at: 2018-06-05 10:57:06
End at: 2018-06-05 10:57:36
Local clock offset: 0.277 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.384 ms
Loss rate: 0.00%

Run 7: Report of SCSReAM — Data Link

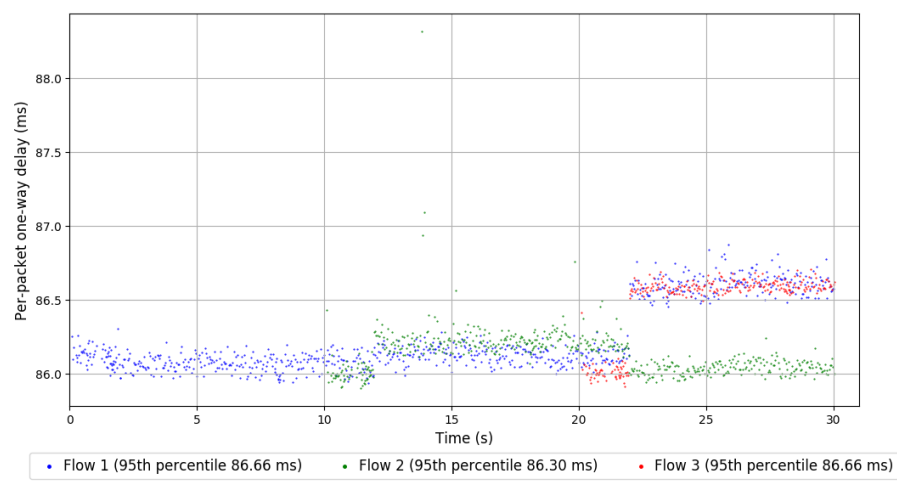
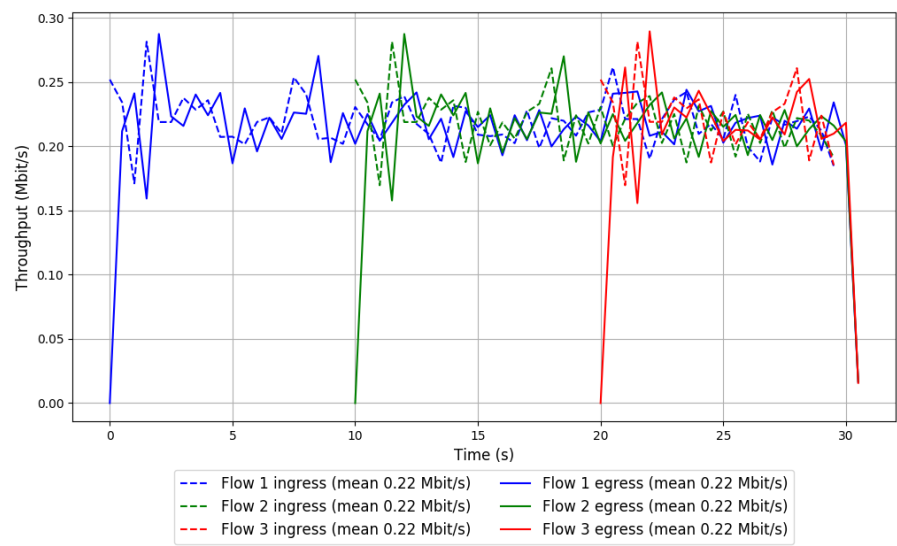


Run 8: Statistics of SReAM

Start at: 2018-06-05 11:20:50
End at: 2018-06-05 11:21:20
Local clock offset: -0.066 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.647 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.663 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.304 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.662 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

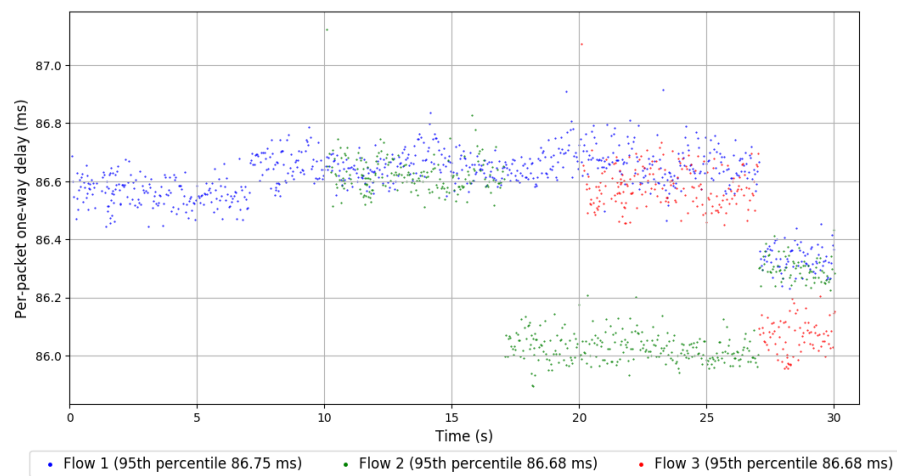
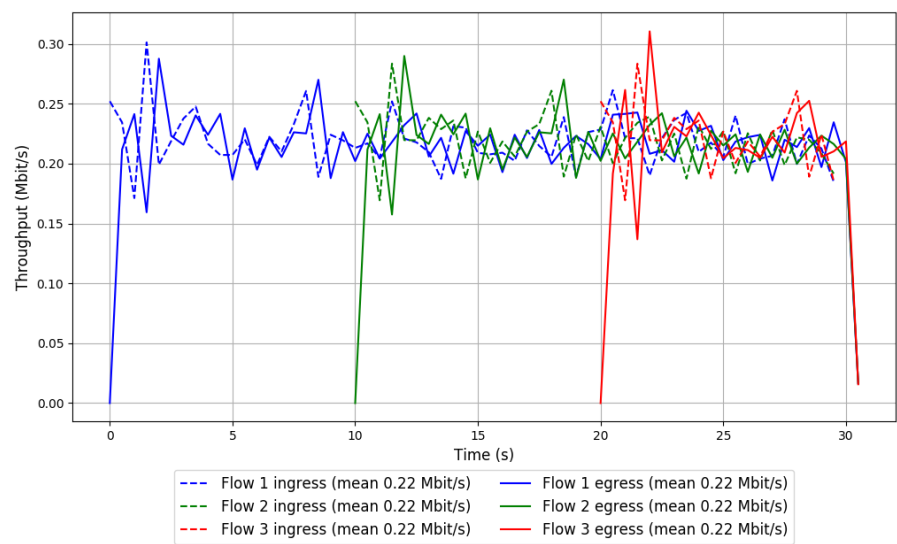


Run 9: Statistics of SReAM

Start at: 2018-06-05 11:44:34
End at: 2018-06-05 11:45:04
Local clock offset: -0.042 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.745 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.682 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.683 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

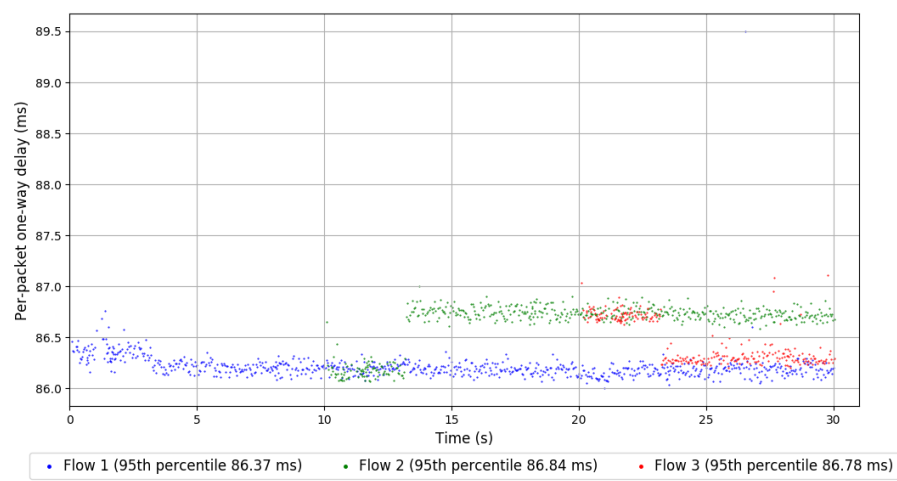
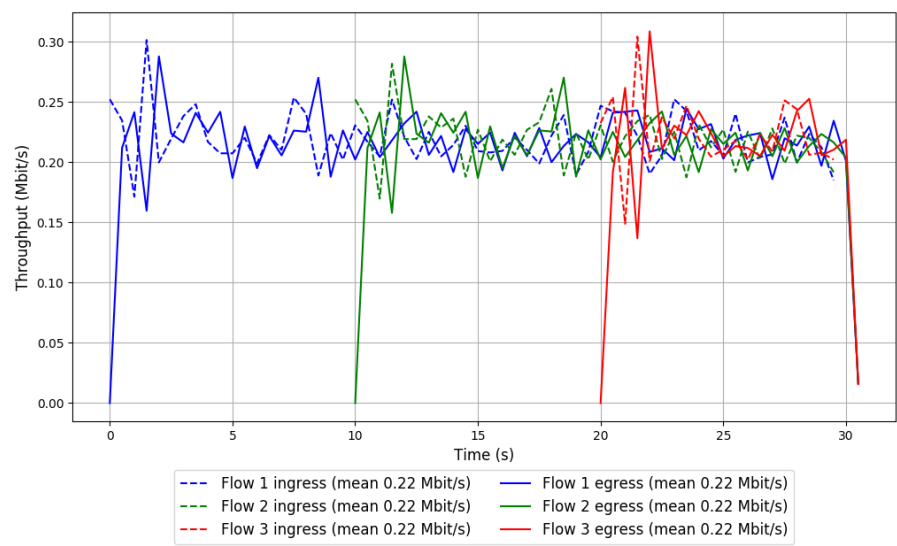


Run 10: Statistics of SReAM

Start at: 2018-06-05 12:08:28
End at: 2018-06-05 12:08:58
Local clock offset: -0.093 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.794 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.373 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.839 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.784 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-06-05 08:21:25

End at: 2018-06-05 08:21:55

Local clock offset: -0.247 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-06-05 13:54:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 86.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 86.733 ms

Loss rate: 0.00%

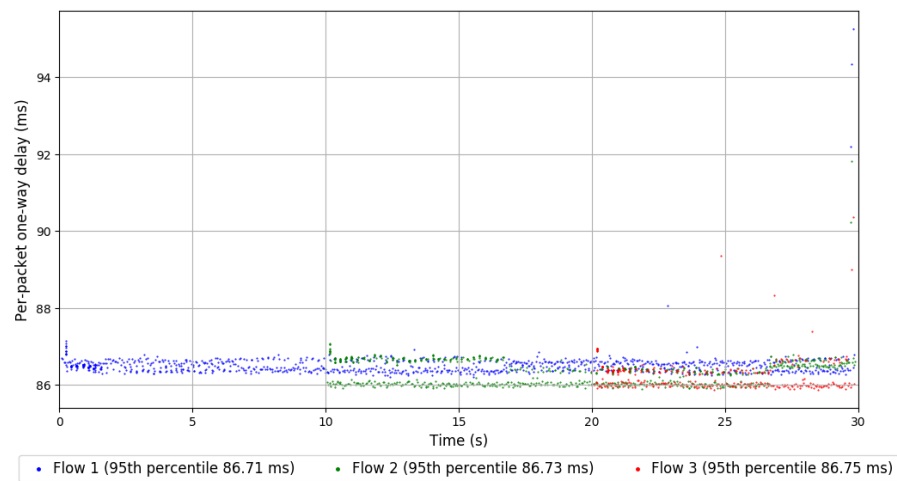
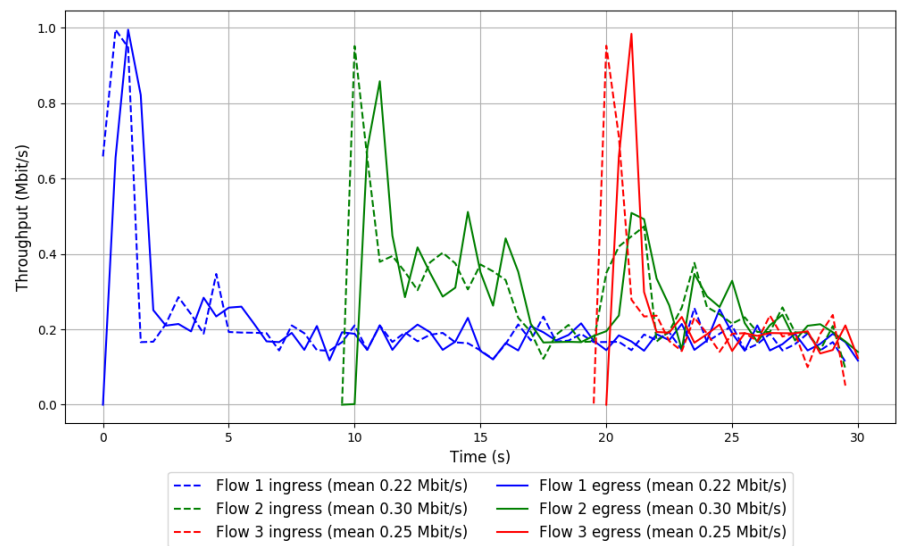
-- Flow 3:

Average throughput: 0.25 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

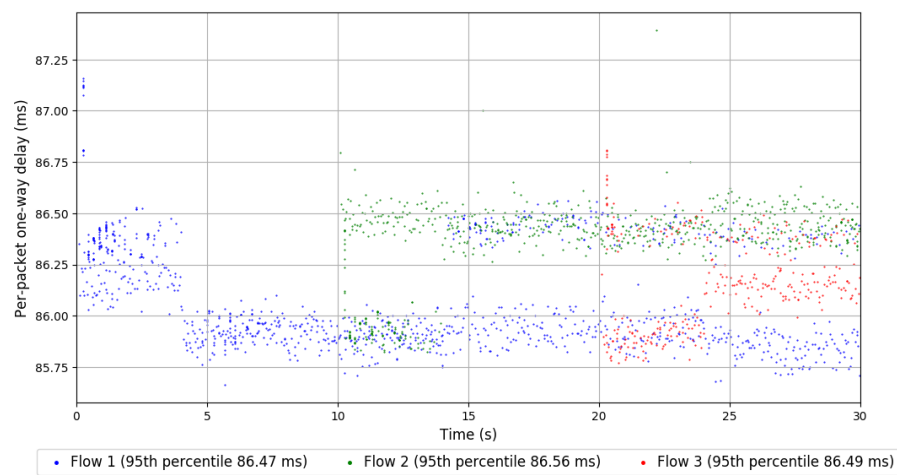
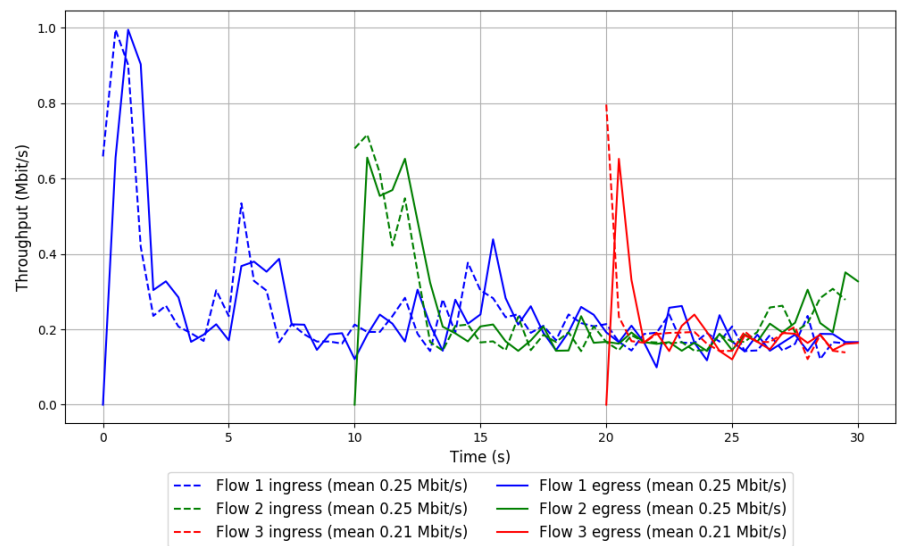


Run 2: Statistics of Sprout

Start at: 2018-06-05 08:45:07
End at: 2018-06-05 08:45:37
Local clock offset: 0.046 ms
Remote clock offset: -0.019 ms

```
# Below is generated by plot.py at 2018-06-05 13:54:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 86.534 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.486 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

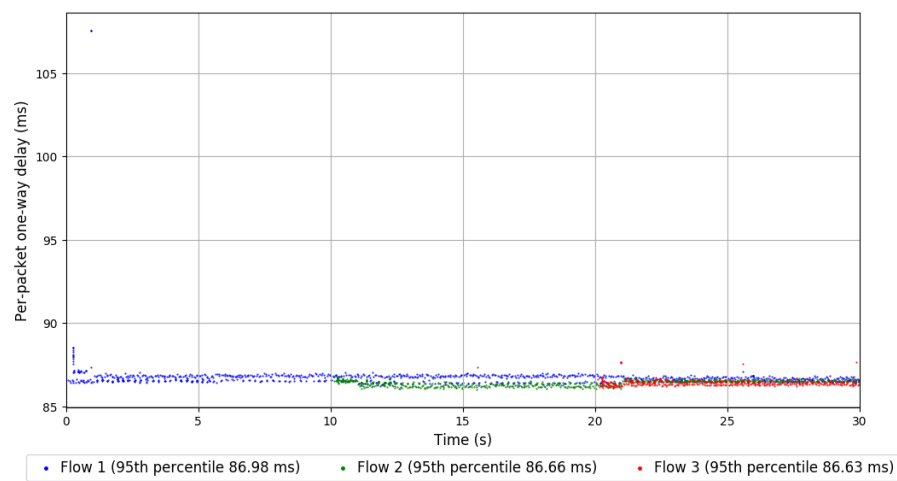
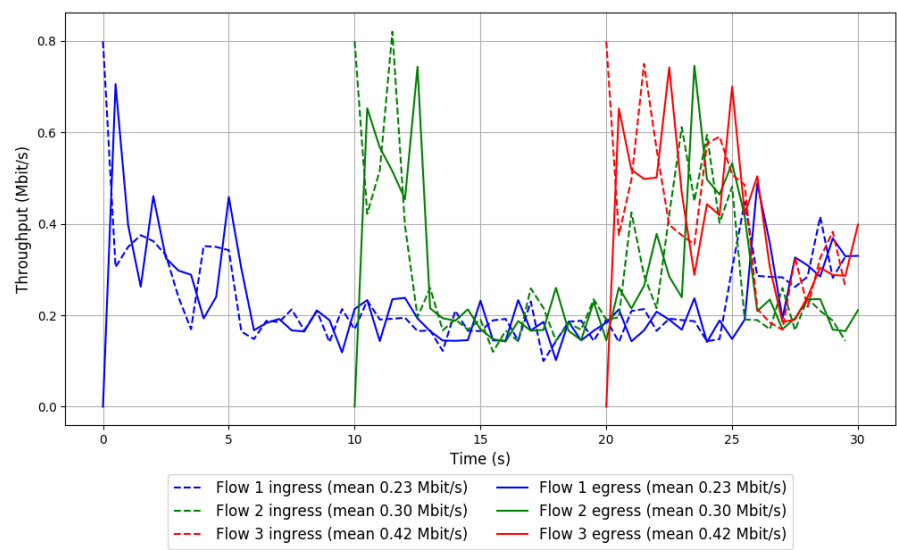


Run 3: Statistics of Sprout

Start at: 2018-06-05 09:09:10
End at: 2018-06-05 09:09:40
Local clock offset: -0.288 ms
Remote clock offset: -0.079 ms

```
# Below is generated by plot.py at 2018-06-05 13:54:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.906 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.980 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.626 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

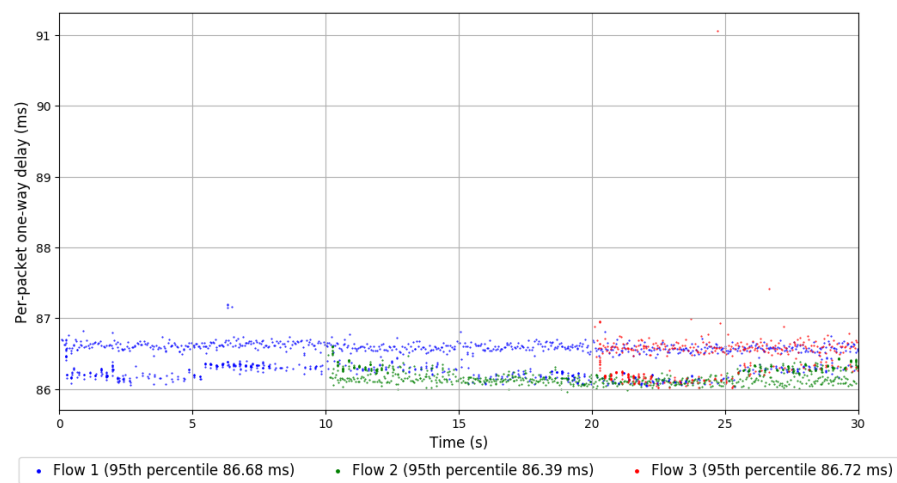
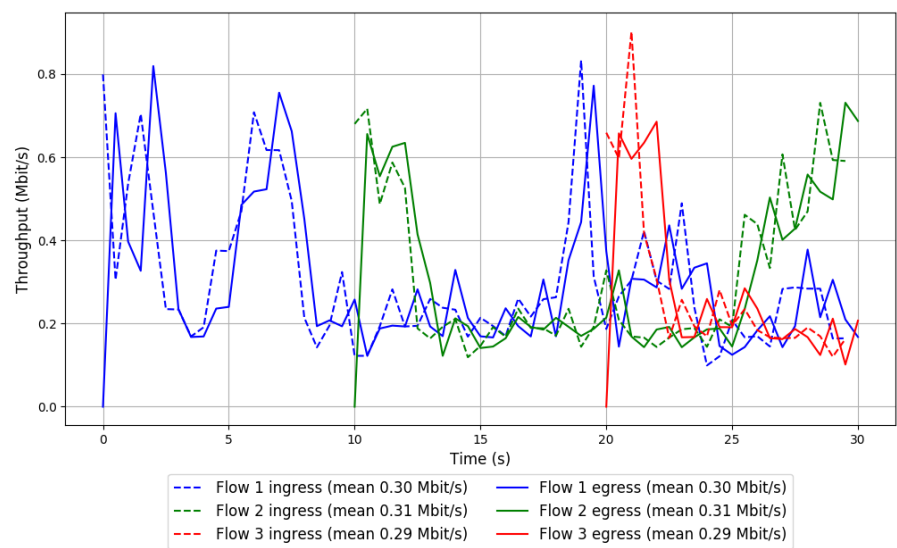


Run 4: Statistics of Sprout

Start at: 2018-06-05 09:33:06
End at: 2018-06-05 09:33:36
Local clock offset: -0.193 ms
Remote clock offset: -0.061 ms

```
# Below is generated by plot.py at 2018-06-05 13:54:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 86.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

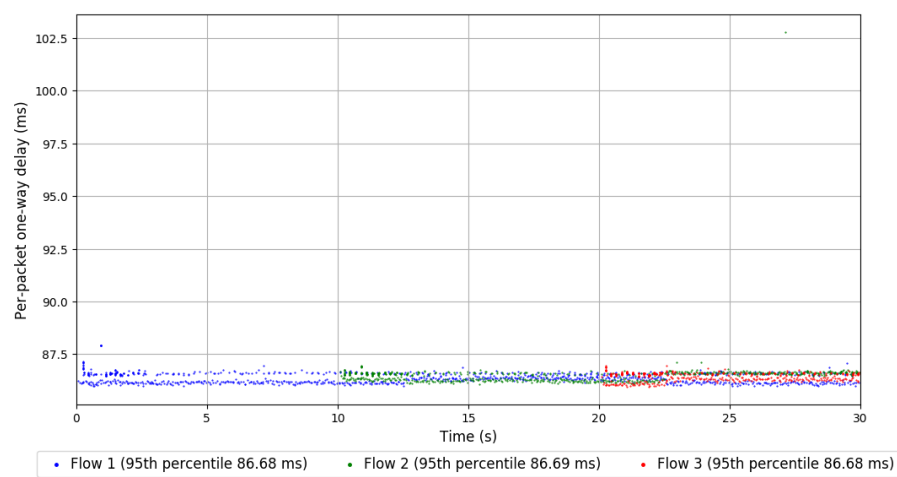
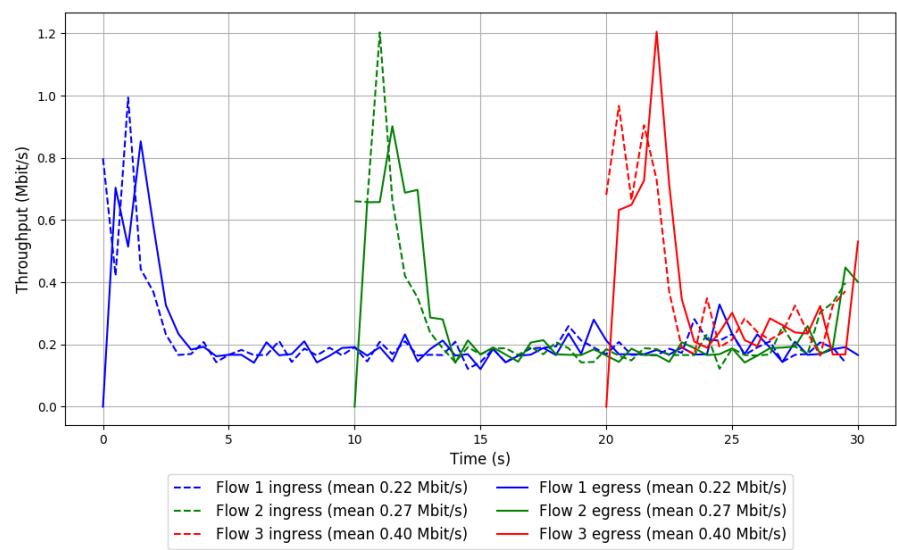


Run 5: Statistics of Sprout

Start at: 2018-06-05 09:56:49
End at: 2018-06-05 09:57:19
Local clock offset: -0.012 ms
Remote clock offset: 0.017 ms

```
# Below is generated by plot.py at 2018-06-05 13:54:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.676 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.680 ms
Loss rate: 0.00%
```


Run 5: Report of Sprout — Data Link

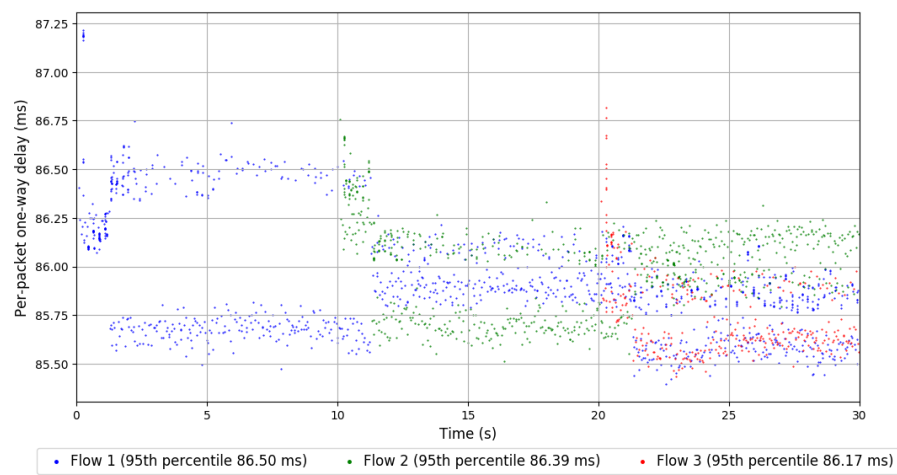
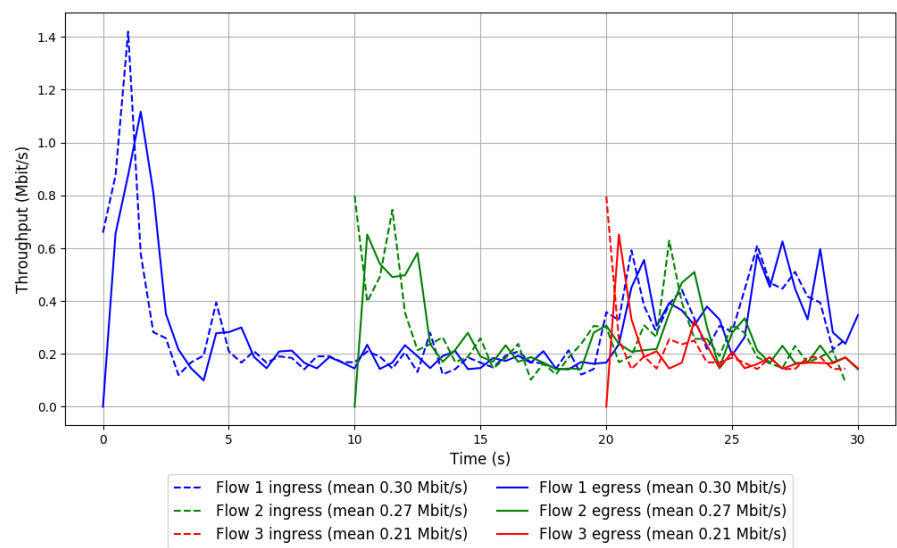


Run 6: Statistics of Sprout

Start at: 2018-06-05 10:20:40
End at: 2018-06-05 10:21:10
Local clock offset: 0.412 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 86.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.500 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.389 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.165 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

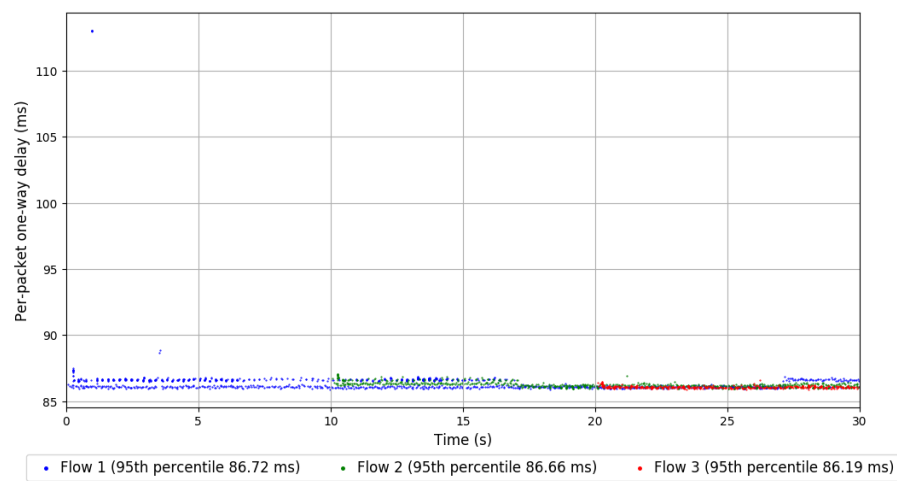
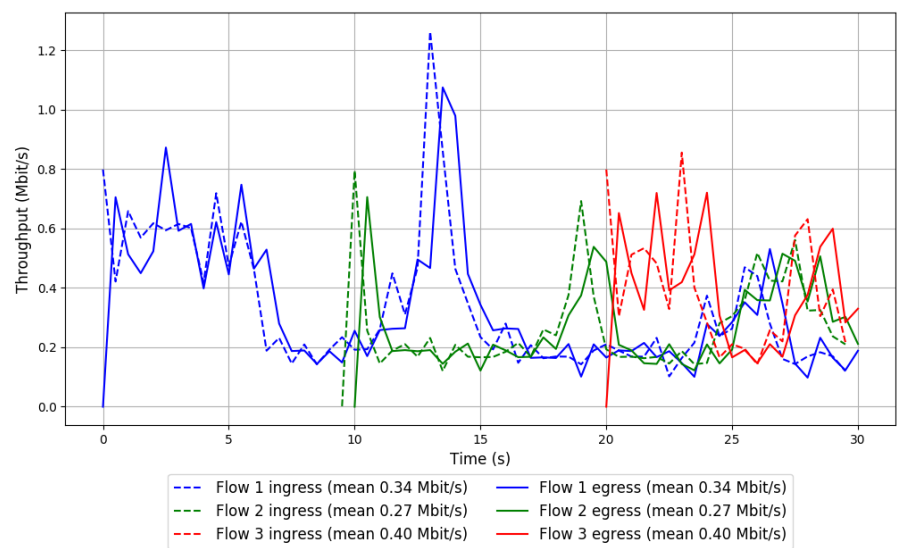


Run 7: Statistics of Sprout

Start at: 2018-06-05 10:44:34
End at: 2018-06-05 10:45:04
Local clock offset: -0.064 ms
Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.719 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.195 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

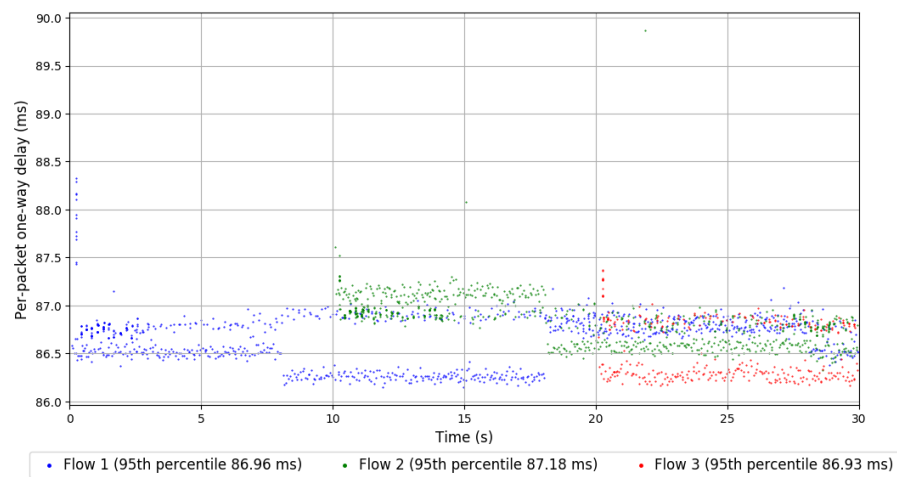
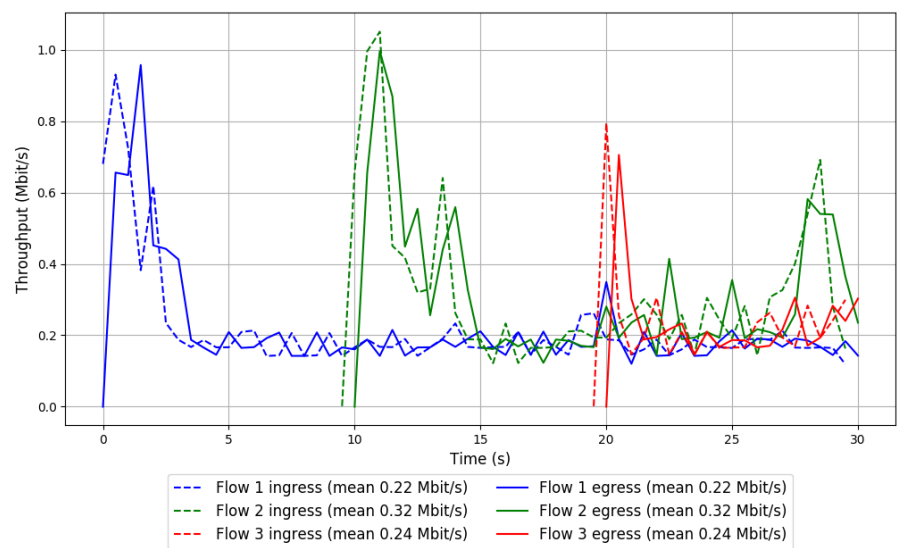


Run 8: Statistics of Sprout

Start at: 2018-06-05 11:08:23
End at: 2018-06-05 11:08:53
Local clock offset: -0.314 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 87.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 87.184 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.931 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

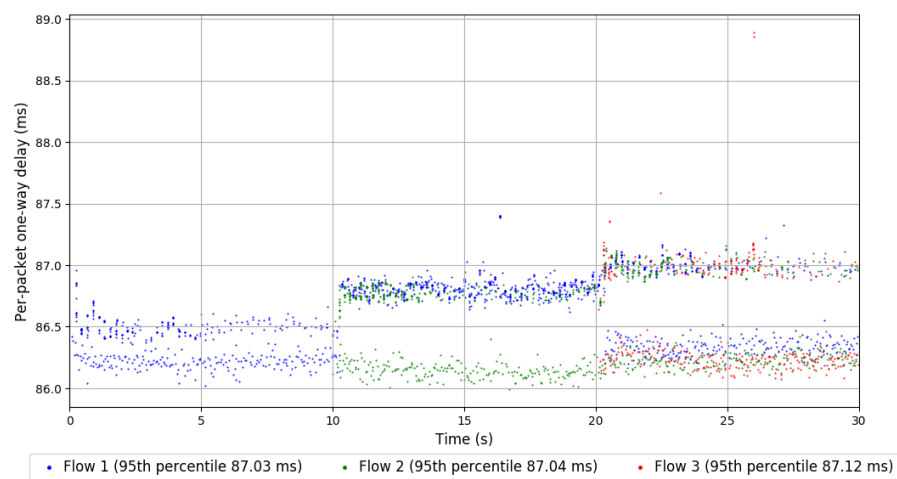
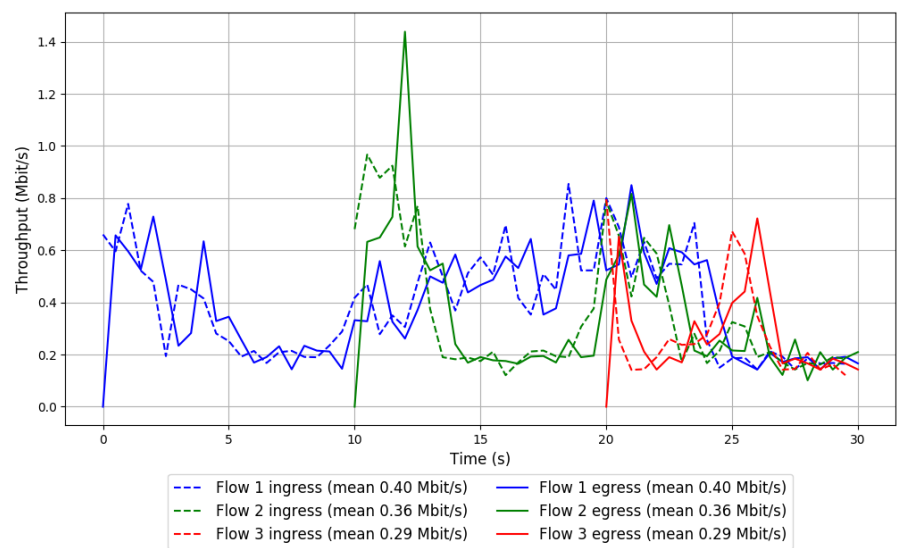


Run 9: Statistics of Sprout

Start at: 2018-06-05 11:32:01
End at: 2018-06-05 11:32:31
Local clock offset: -0.186 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 87.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 87.029 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 87.036 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 87.123 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

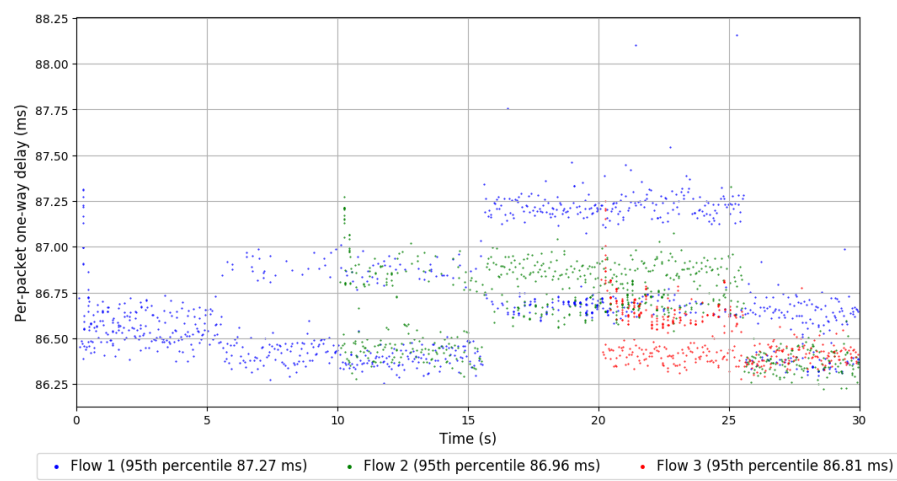
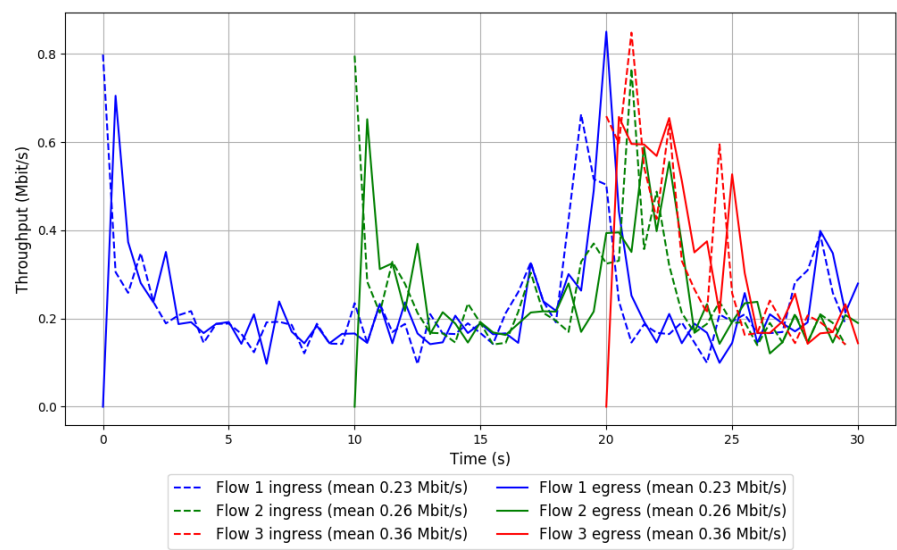


Run 10: Statistics of Sprout

Start at: 2018-06-05 11:55:56
End at: 2018-06-05 11:56:26
Local clock offset: -0.407 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-05 13:54:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 87.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.806 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 08:16:05

End at: 2018-06-05 08:16:35

Local clock offset: 0.052 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-06-05 14:01:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 333.21 Mbit/s

95th percentile per-packet one-way delay: 94.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 190.38 Mbit/s

95th percentile per-packet one-way delay: 93.167 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 156.47 Mbit/s

95th percentile per-packet one-way delay: 97.403 ms

Loss rate: 0.00%

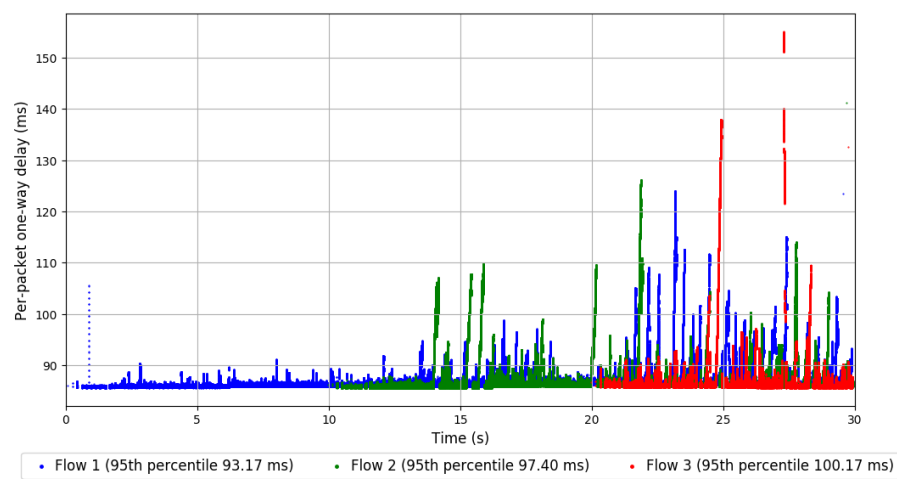
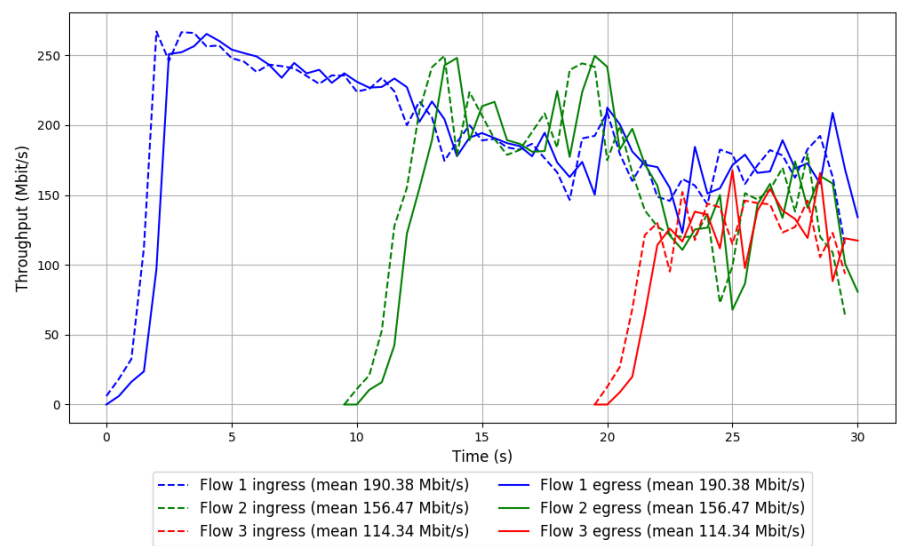
-- Flow 3:

Average throughput: 114.34 Mbit/s

95th percentile per-packet one-way delay: 100.170 ms

Loss rate: 0.00%

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

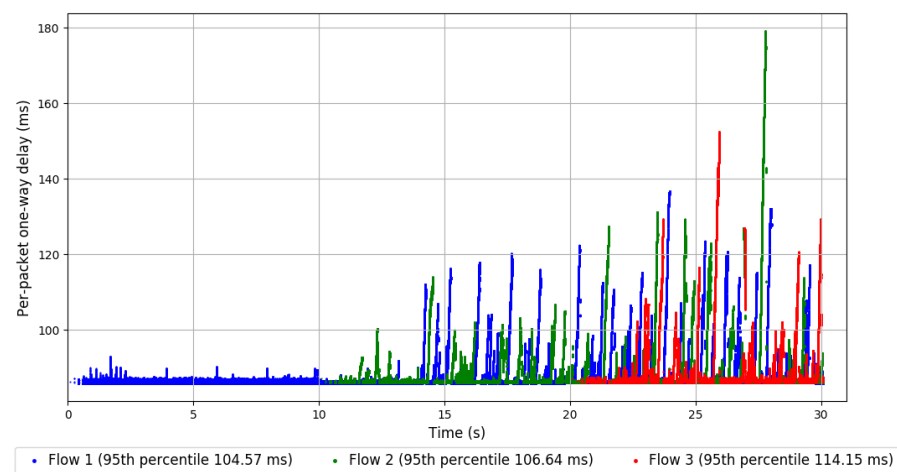
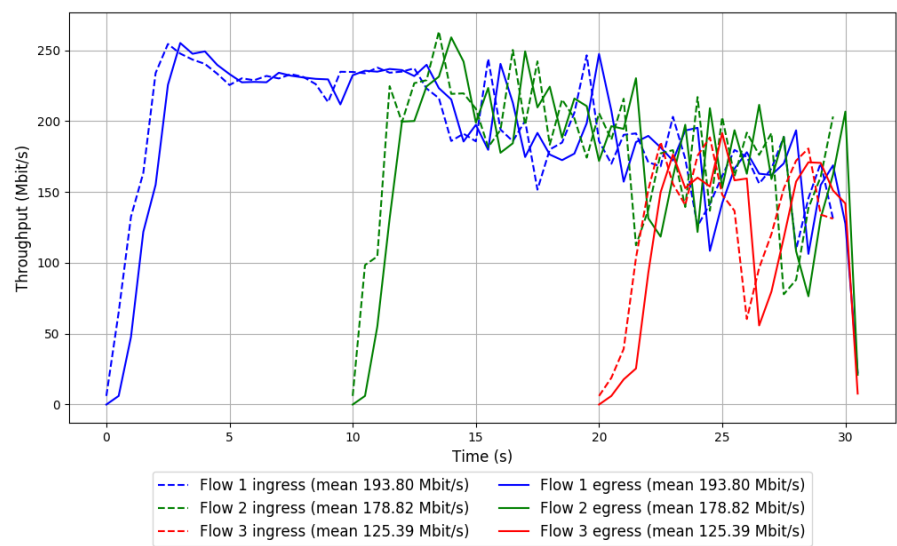


Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 08:39:42
End at: 2018-06-05 08:40:12
Local clock offset: -0.001 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-05 14:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 354.54 Mbit/s
95th percentile per-packet one-way delay: 106.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.80 Mbit/s
95th percentile per-packet one-way delay: 104.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.82 Mbit/s
95th percentile per-packet one-way delay: 106.641 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 125.39 Mbit/s
95th percentile per-packet one-way delay: 114.149 ms
Loss rate: 0.00%

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

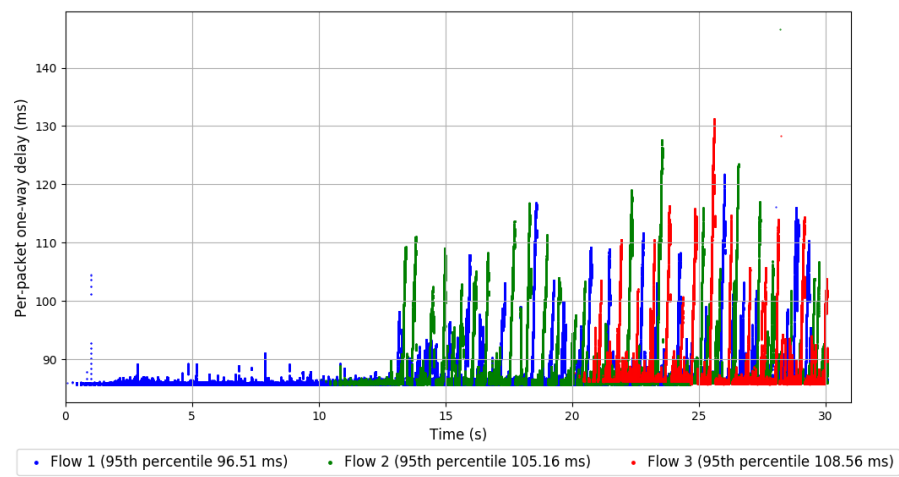
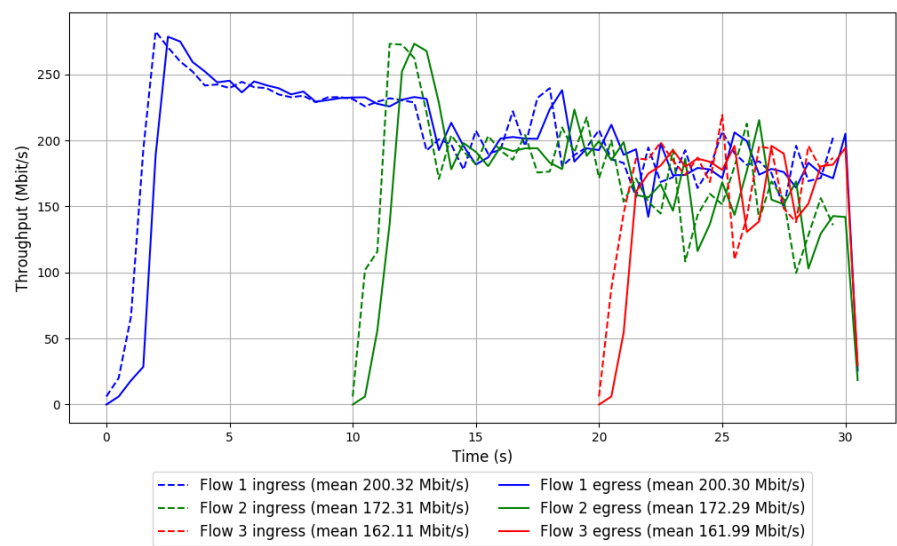


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 09:03:47
End at: 2018-06-05 09:04:17
Local clock offset: 0.063 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-05 14:01:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.88 Mbit/s
95th percentile per-packet one-way delay: 102.139 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 200.30 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 172.29 Mbit/s
95th percentile per-packet one-way delay: 105.159 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.99 Mbit/s
95th percentile per-packet one-way delay: 108.556 ms
Loss rate: 0.10%

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

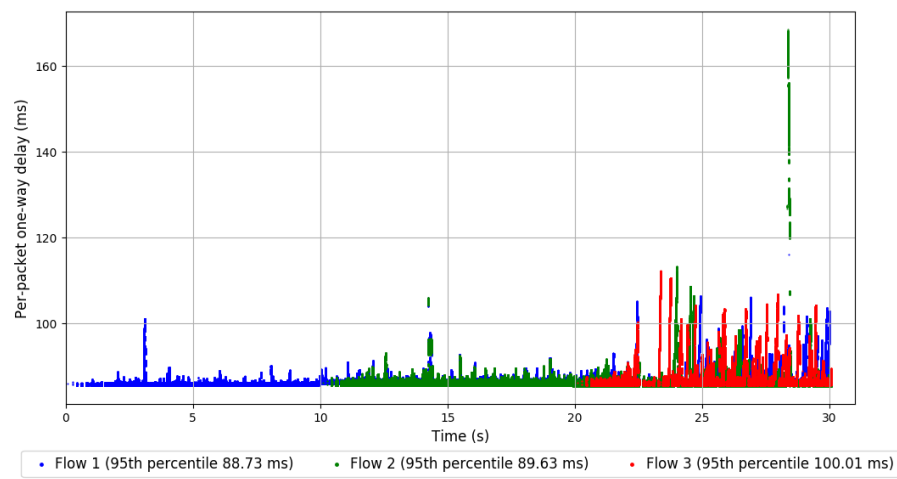
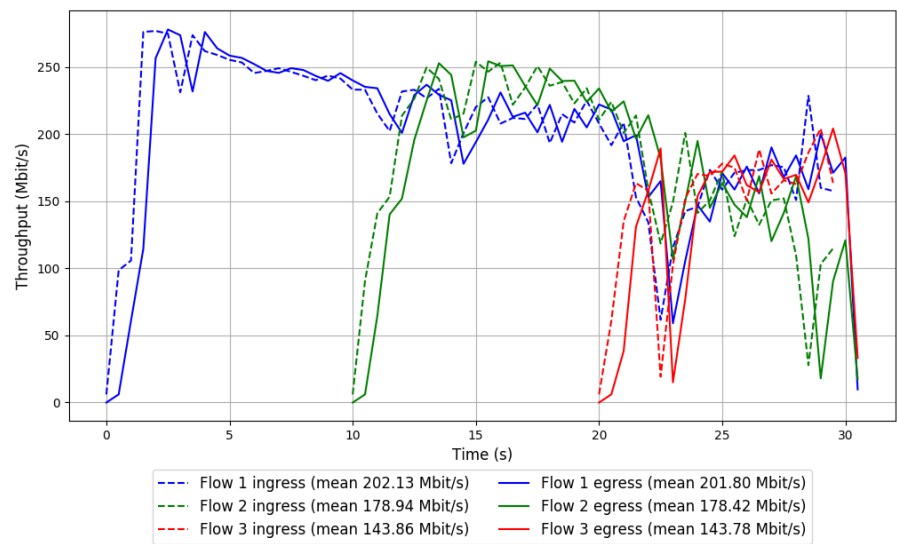


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 09:27:42
End at: 2018-06-05 09:28:12
Local clock offset: 0.28 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-06-05 14:02:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.43 Mbit/s
95th percentile per-packet one-way delay: 91.444 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 201.80 Mbit/s
95th percentile per-packet one-way delay: 88.728 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 178.42 Mbit/s
95th percentile per-packet one-way delay: 89.626 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 143.78 Mbit/s
95th percentile per-packet one-way delay: 100.007 ms
Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 09:51:25

End at: 2018-06-05 09:51:55

Local clock offset: 0.254 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-06-05 14:02:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 355.63 Mbit/s

95th percentile per-packet one-way delay: 92.080 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 193.24 Mbit/s

95th percentile per-packet one-way delay: 88.189 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 192.48 Mbit/s

95th percentile per-packet one-way delay: 96.982 ms

Loss rate: 0.01%

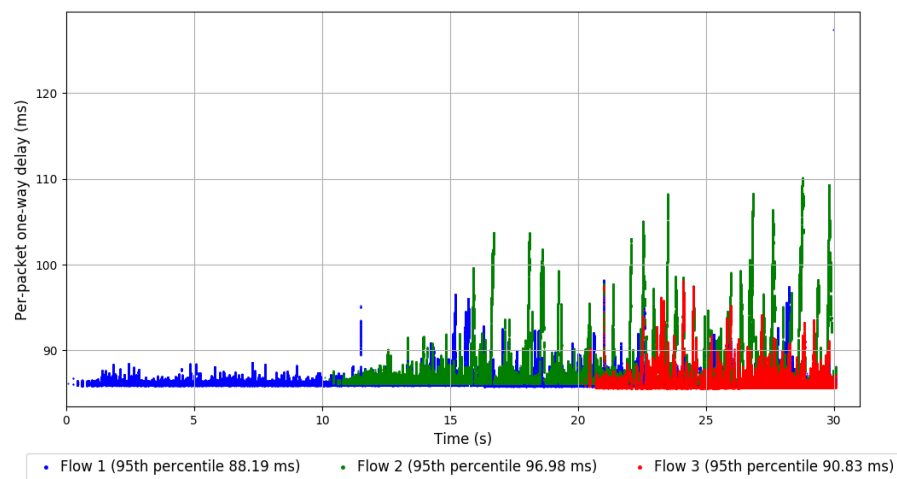
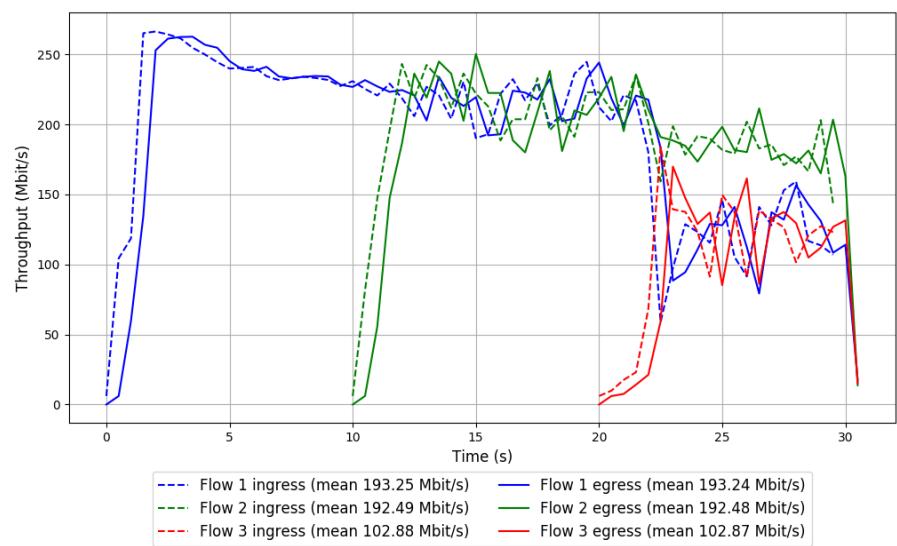
-- Flow 3:

Average throughput: 102.87 Mbit/s

95th percentile per-packet one-way delay: 90.830 ms

Loss rate: 0.00%

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

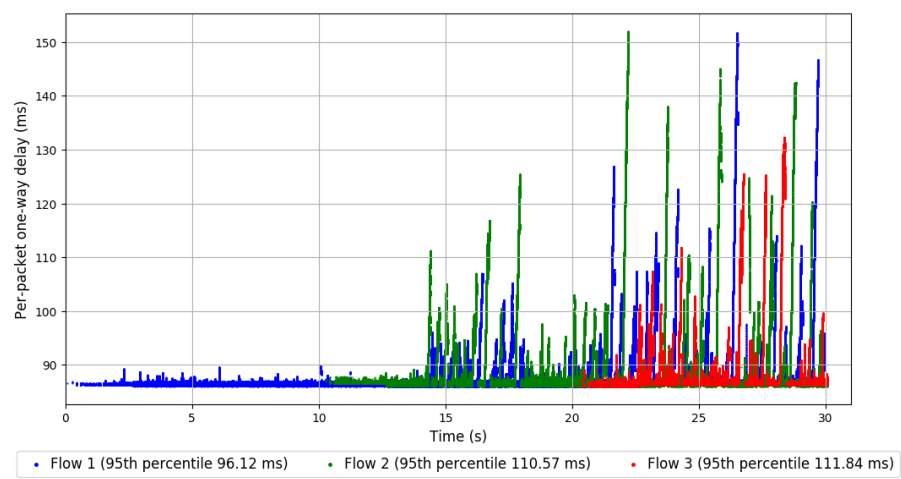
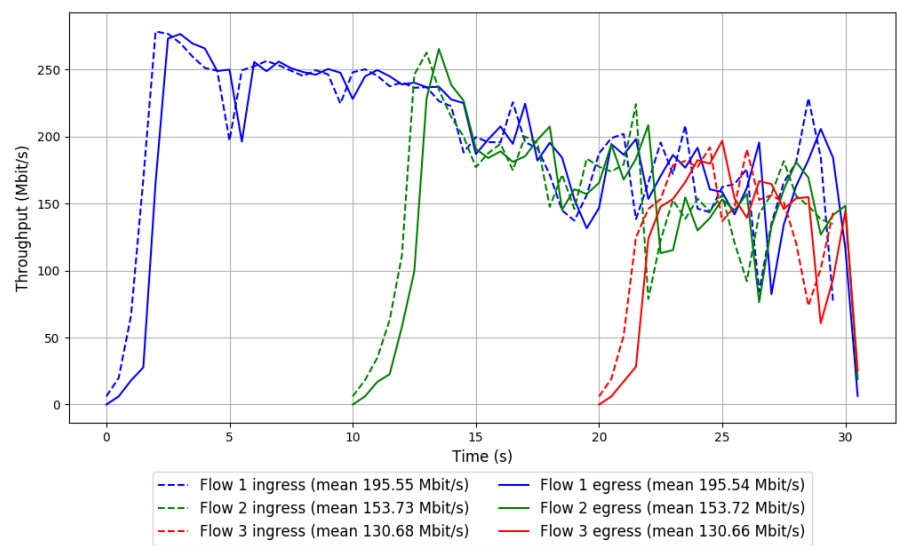


Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 10:15:29
End at: 2018-06-05 10:15:59
Local clock offset: -0.243 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-05 14:03:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.34 Mbit/s
95th percentile per-packet one-way delay: 103.395 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 195.54 Mbit/s
95th percentile per-packet one-way delay: 96.116 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 153.72 Mbit/s
95th percentile per-packet one-way delay: 110.566 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 130.66 Mbit/s
95th percentile per-packet one-way delay: 111.845 ms
Loss rate: 0.01%

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

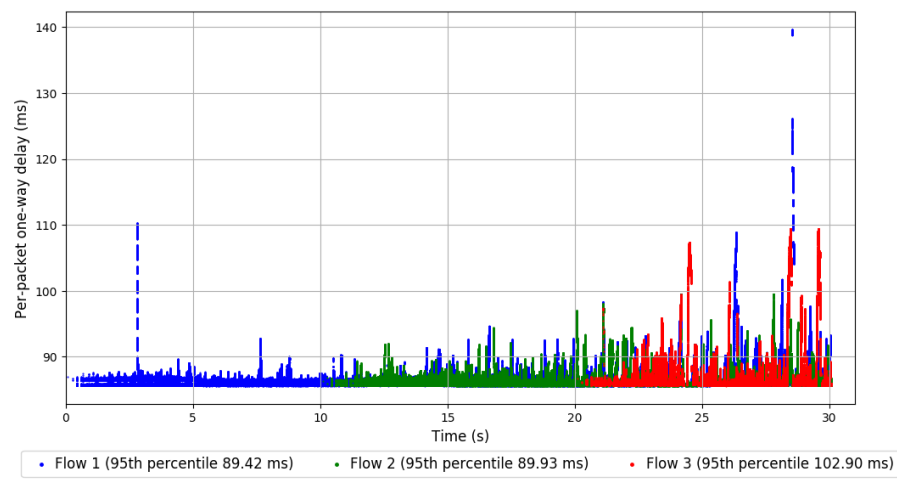
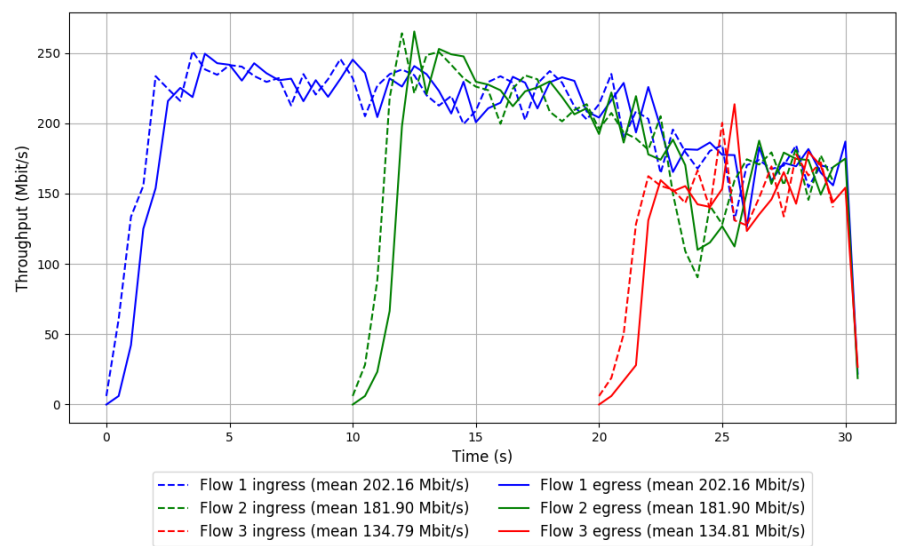


Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 10:39:06
End at: 2018-06-05 10:39:36
Local clock offset: 0.181 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-06-05 14:06:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.12 Mbit/s
95th percentile per-packet one-way delay: 90.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.16 Mbit/s
95th percentile per-packet one-way delay: 89.418 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.90 Mbit/s
95th percentile per-packet one-way delay: 89.931 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 134.81 Mbit/s
95th percentile per-packet one-way delay: 102.897 ms
Loss rate: 0.00%

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

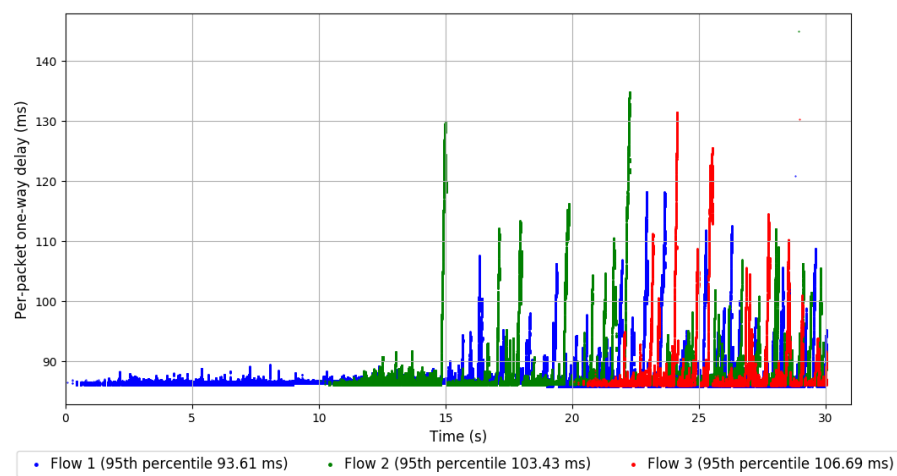
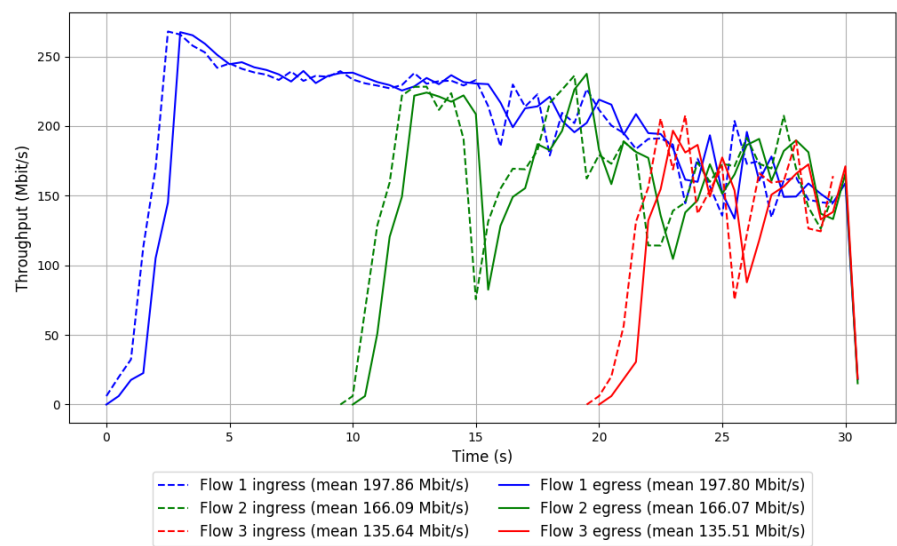


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 11:03:02
End at: 2018-06-05 11:03:32
Local clock offset: -0.044 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-05 14:06:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 353.57 Mbit/s
95th percentile per-packet one-way delay: 98.989 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 197.80 Mbit/s
95th percentile per-packet one-way delay: 93.611 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 166.07 Mbit/s
95th percentile per-packet one-way delay: 103.430 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 135.51 Mbit/s
95th percentile per-packet one-way delay: 106.694 ms
Loss rate: 0.10%

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

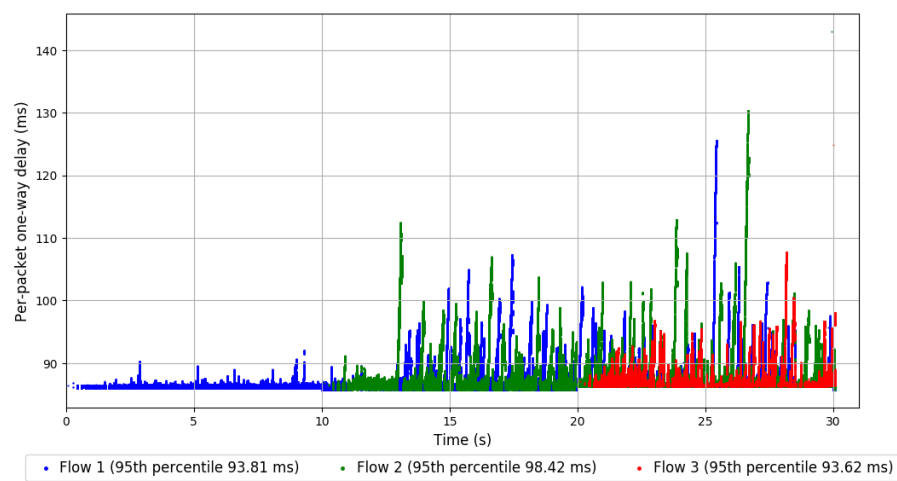
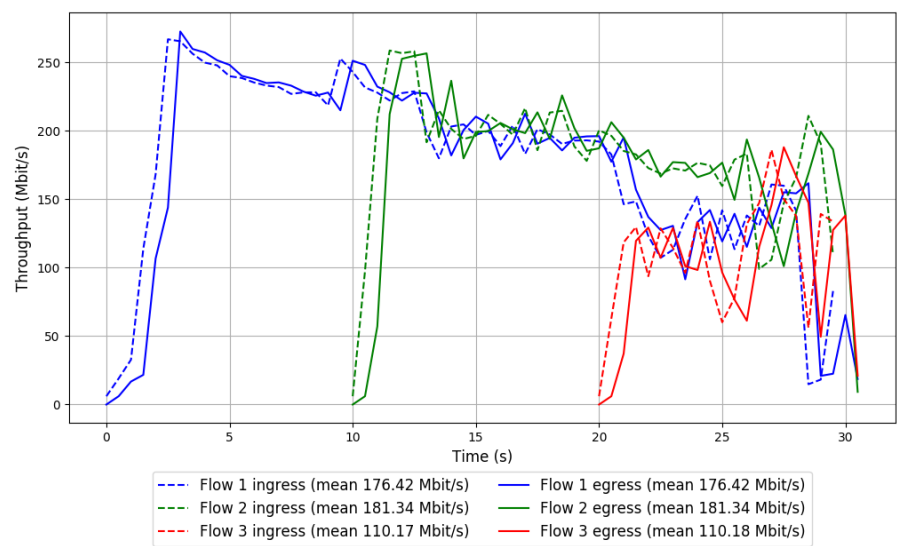


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 11:26:42
End at: 2018-06-05 11:27:12
Local clock offset: -0.01 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-05 14:11:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.80 Mbit/s
95th percentile per-packet one-way delay: 95.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.42 Mbit/s
95th percentile per-packet one-way delay: 93.806 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.34 Mbit/s
95th percentile per-packet one-way delay: 98.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 110.18 Mbit/s
95th percentile per-packet one-way delay: 93.618 ms
Loss rate: 0.00%

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

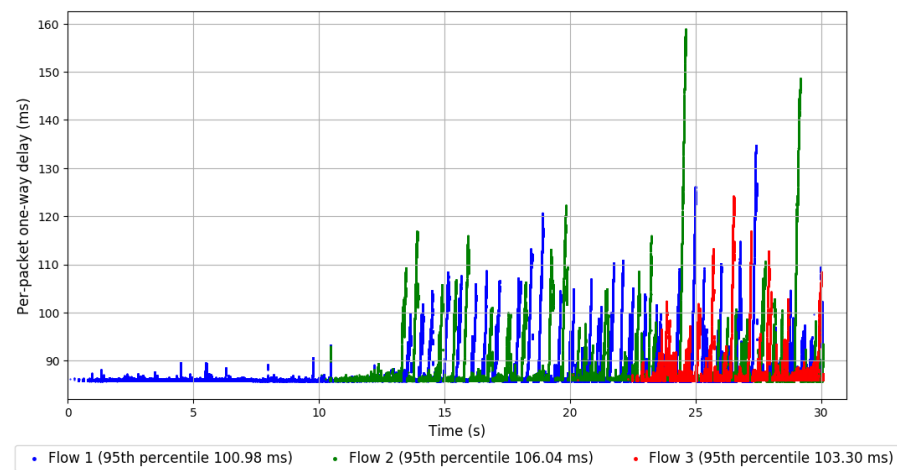
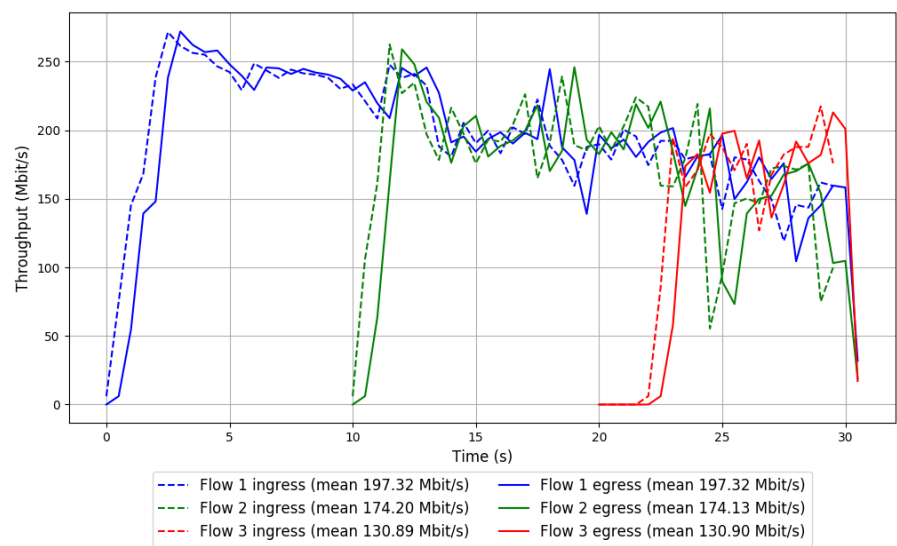


Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 11:50:34
End at: 2018-06-05 11:51:04
Local clock offset: 0.023 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.76 Mbit/s
95th percentile per-packet one-way delay: 103.181 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 197.32 Mbit/s
95th percentile per-packet one-way delay: 100.978 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.13 Mbit/s
95th percentile per-packet one-way delay: 106.038 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 103.296 ms
Loss rate: 0.00%

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

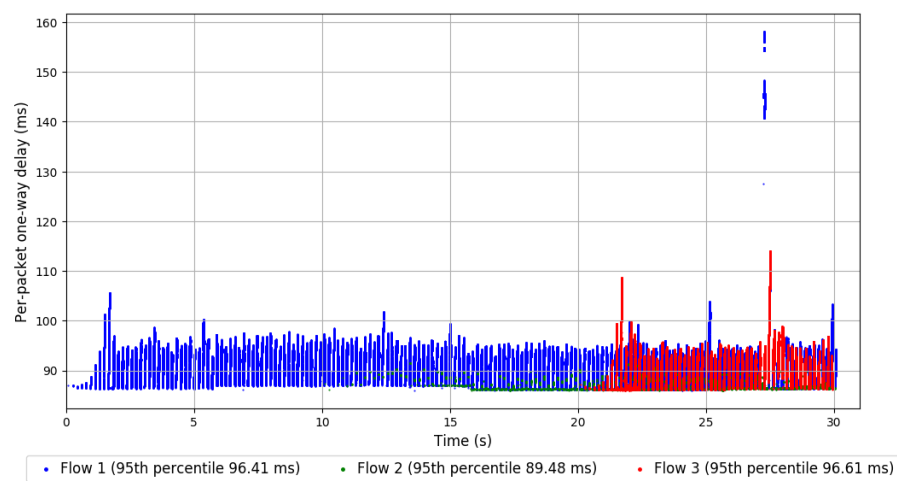
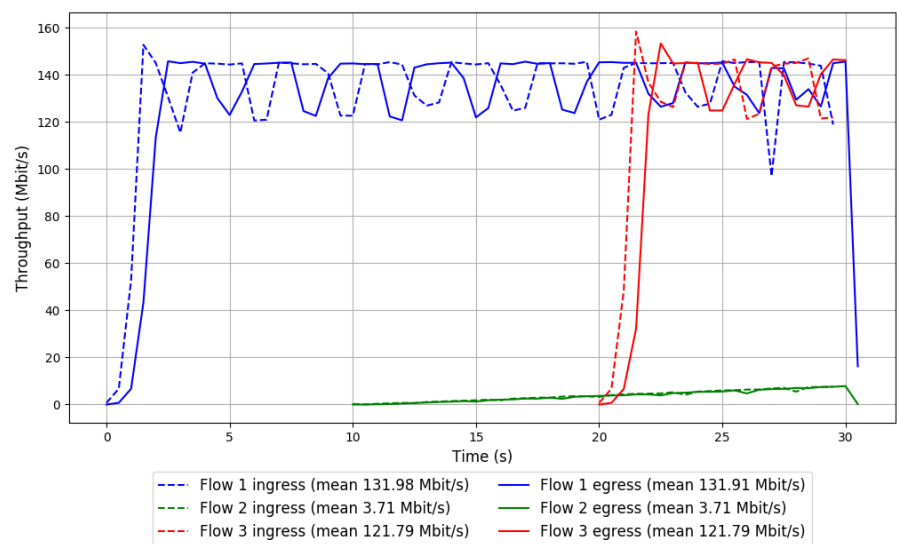


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 08:22:36
End at: 2018-06-05 08:23:06
Local clock offset: -0.351 ms
Remote clock offset: -0.069 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.39 Mbit/s
95th percentile per-packet one-way delay: 96.412 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 131.91 Mbit/s
95th percentile per-packet one-way delay: 96.405 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 89.483 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 121.79 Mbit/s
95th percentile per-packet one-way delay: 96.605 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

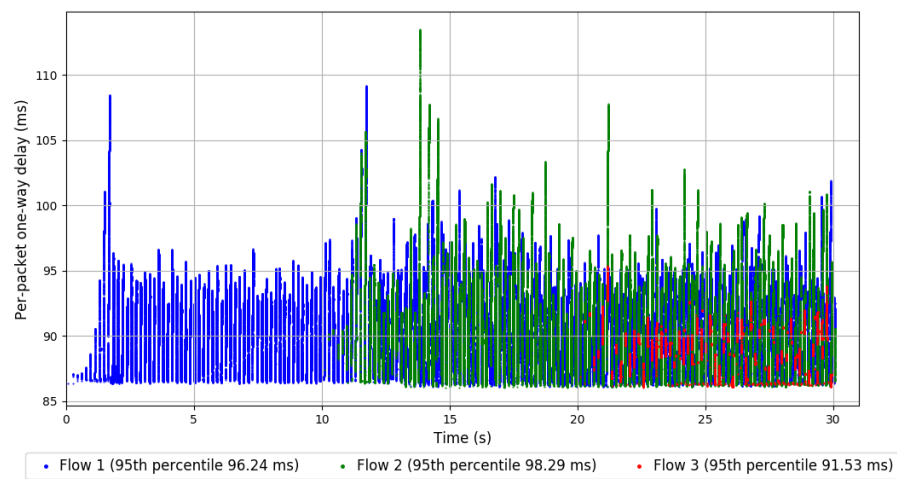
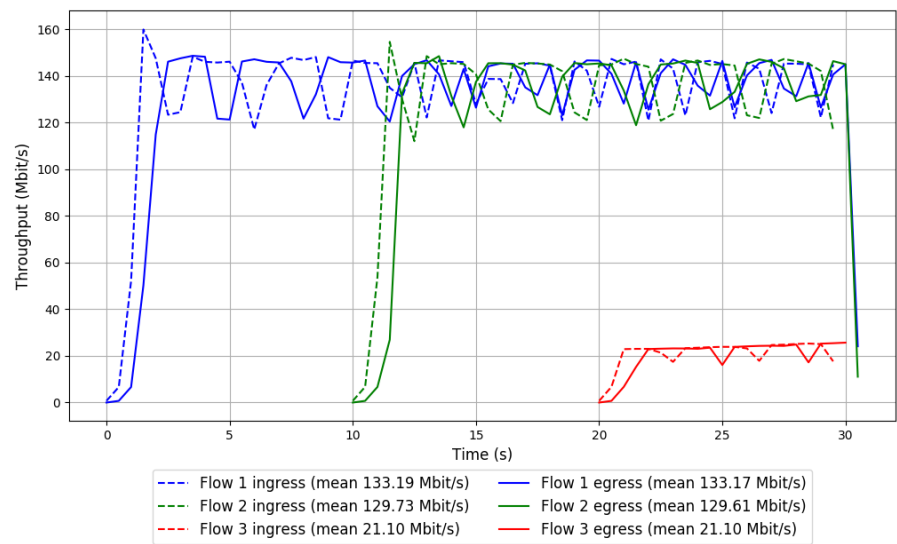


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 08:46:18
End at: 2018-06-05 08:46:48
Local clock offset: -0.328 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 226.46 Mbit/s
95th percentile per-packet one-way delay: 96.925 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 133.17 Mbit/s
95th percentile per-packet one-way delay: 96.241 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.61 Mbit/s
95th percentile per-packet one-way delay: 98.286 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 21.10 Mbit/s
95th percentile per-packet one-way delay: 91.534 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 09:10:21

End at: 2018-06-05 09:10:51

Local clock offset: 0.055 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-05 14:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.42 Mbit/s

95th percentile per-packet one-way delay: 88.537 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 87.883 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.53 Mbit/s

95th percentile per-packet one-way delay: 89.221 ms

Loss rate: 0.00%

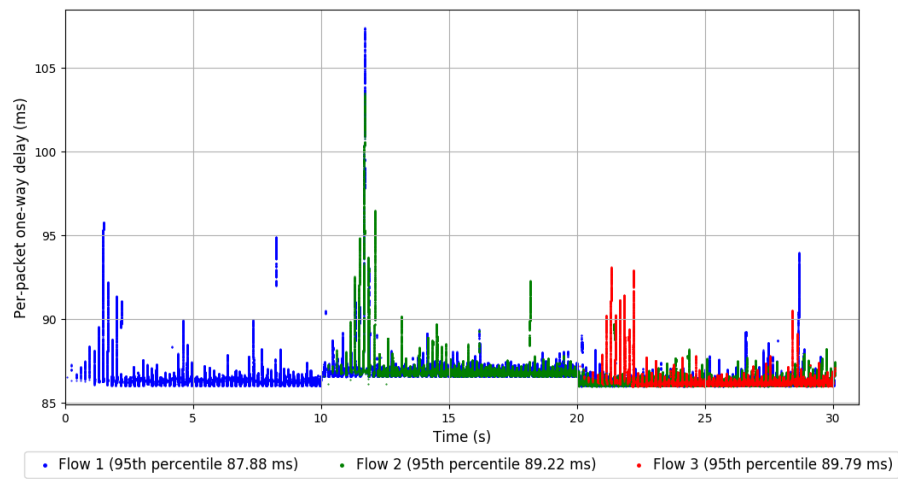
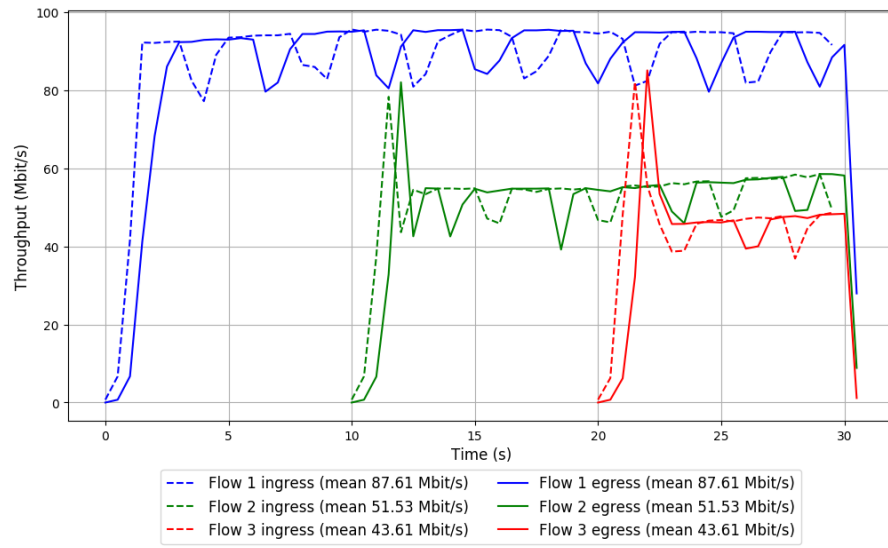
-- Flow 3:

Average throughput: 43.61 Mbit/s

95th percentile per-packet one-way delay: 89.788 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

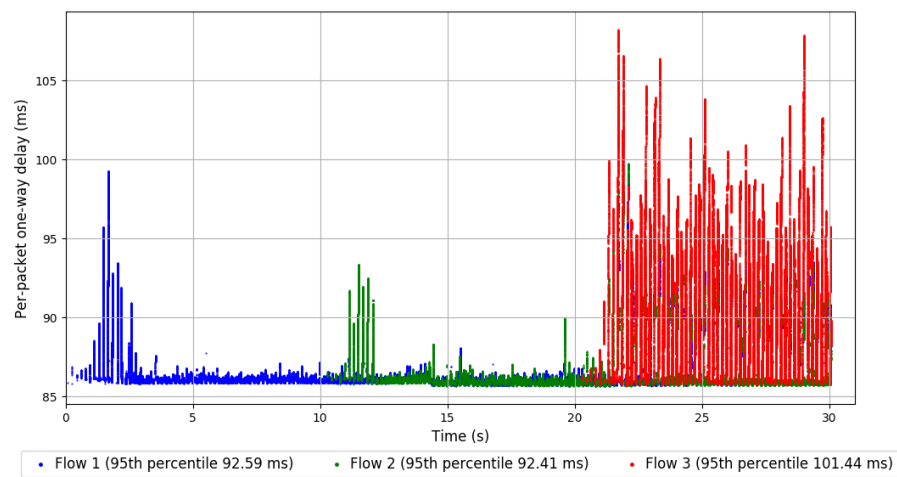
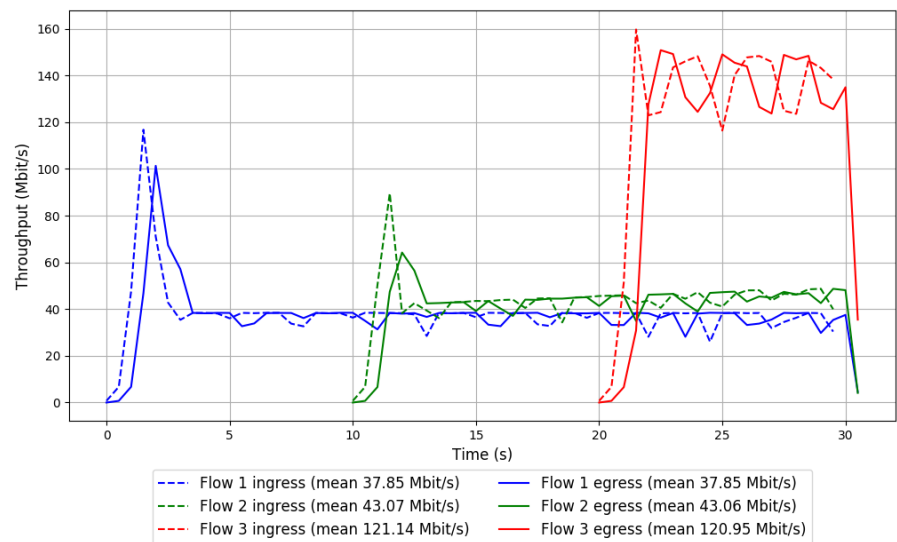


Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 09:34:17
End at: 2018-06-05 09:34:47
Local clock offset: 0.071 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.73 Mbit/s
95th percentile per-packet one-way delay: 97.796 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 37.85 Mbit/s
95th percentile per-packet one-way delay: 92.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.06 Mbit/s
95th percentile per-packet one-way delay: 92.406 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 120.95 Mbit/s
95th percentile per-packet one-way delay: 101.445 ms
Loss rate: 0.15%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 09:58:00

End at: 2018-06-05 09:58:30

Local clock offset: 0.059 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-06-05 14:13:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.51 Mbit/s

95th percentile per-packet one-way delay: 89.676 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 88.641 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.04 Mbit/s

95th percentile per-packet one-way delay: 89.043 ms

Loss rate: 0.00%

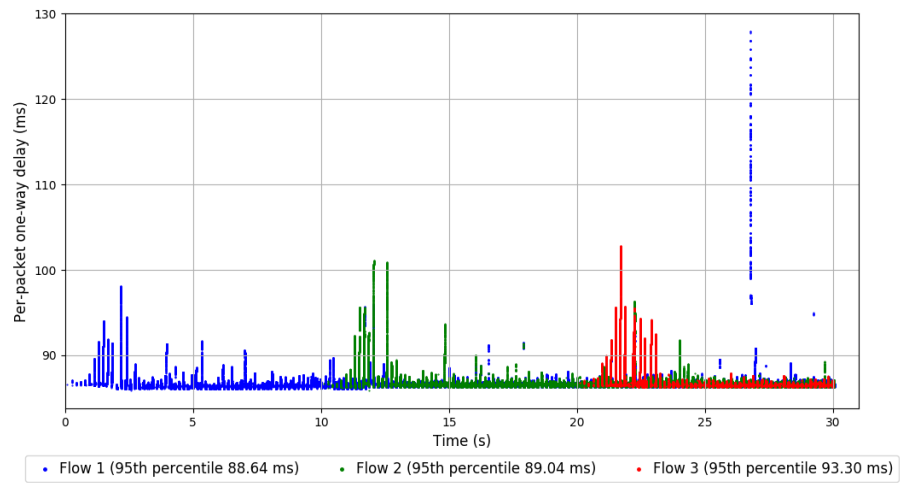
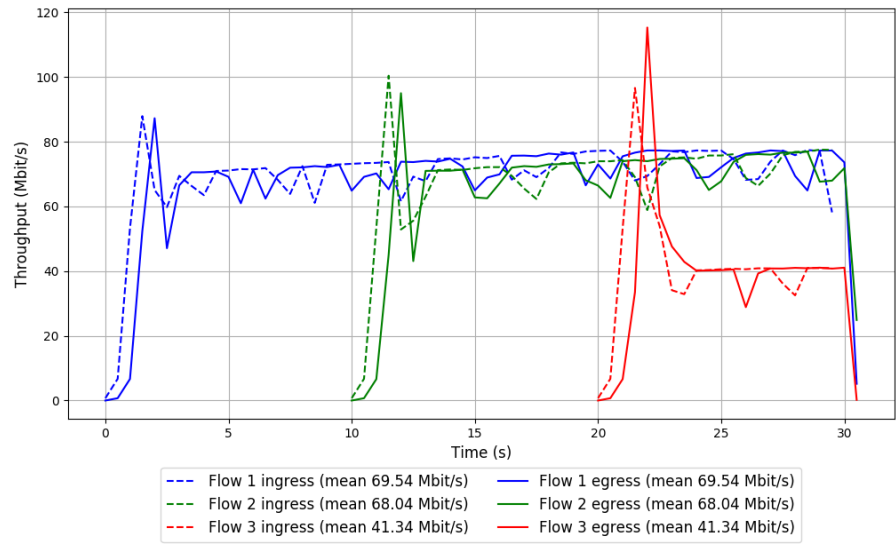
-- Flow 3:

Average throughput: 41.34 Mbit/s

95th percentile per-packet one-way delay: 93.302 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

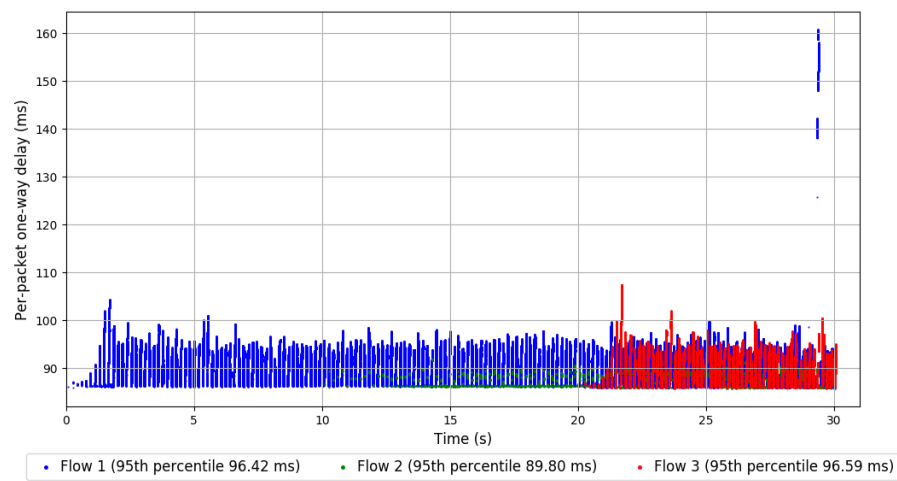
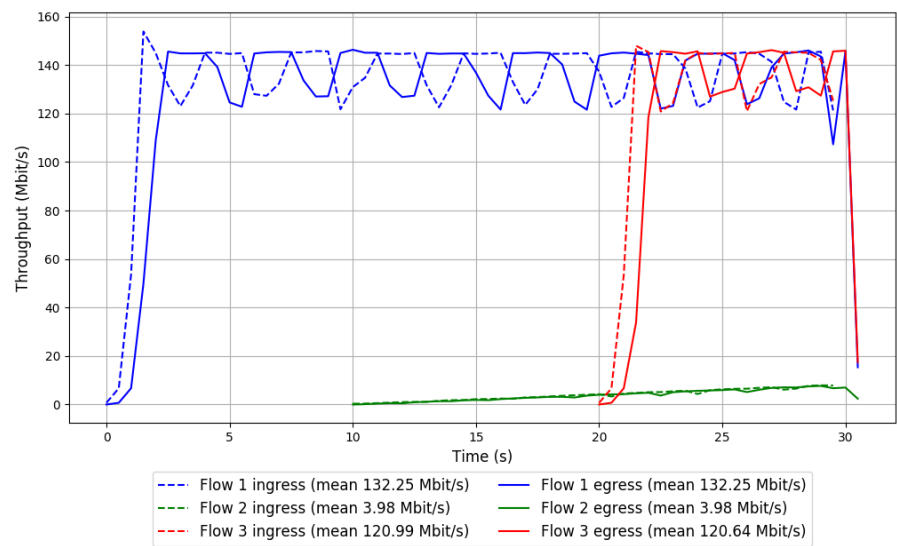


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 10:21:51
End at: 2018-06-05 10:22:21
Local clock offset: 0.089 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 174.84 Mbit/s
95th percentile per-packet one-way delay: 96.440 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 132.25 Mbit/s
95th percentile per-packet one-way delay: 96.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 89.800 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 120.64 Mbit/s
95th percentile per-packet one-way delay: 96.591 ms
Loss rate: 0.28%

Run 6: Report of TCP Vegas — Data Link

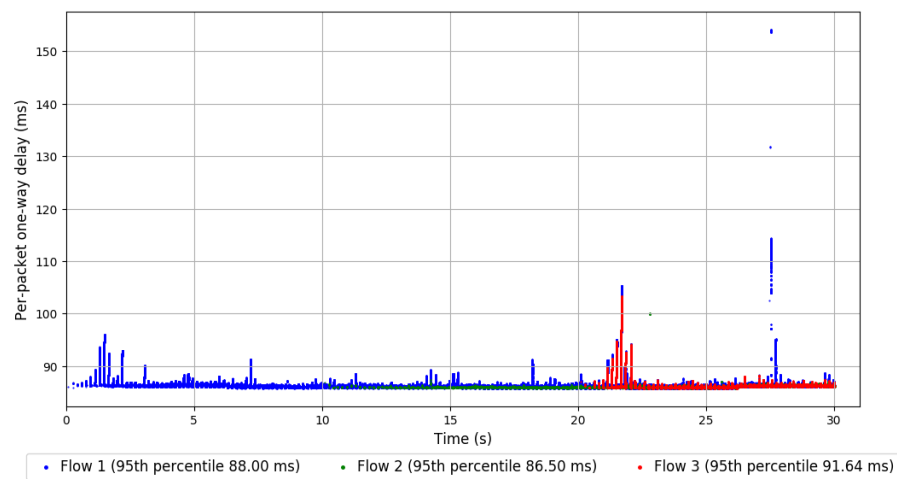
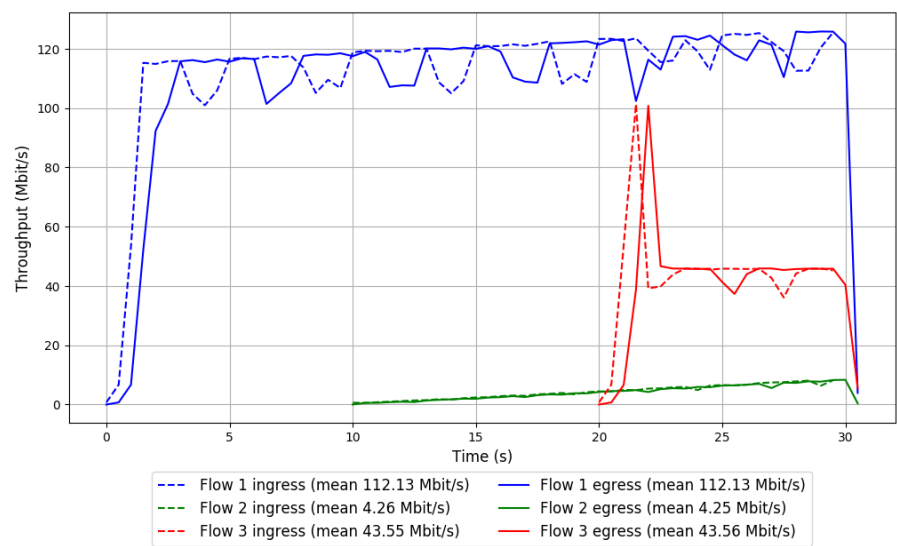


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 10:45:45
End at: 2018-06-05 10:46:15
Local clock offset: 0.022 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.41 Mbit/s
95th percentile per-packet one-way delay: 88.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.13 Mbit/s
95th percentile per-packet one-way delay: 87.996 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 86.501 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 91.639 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

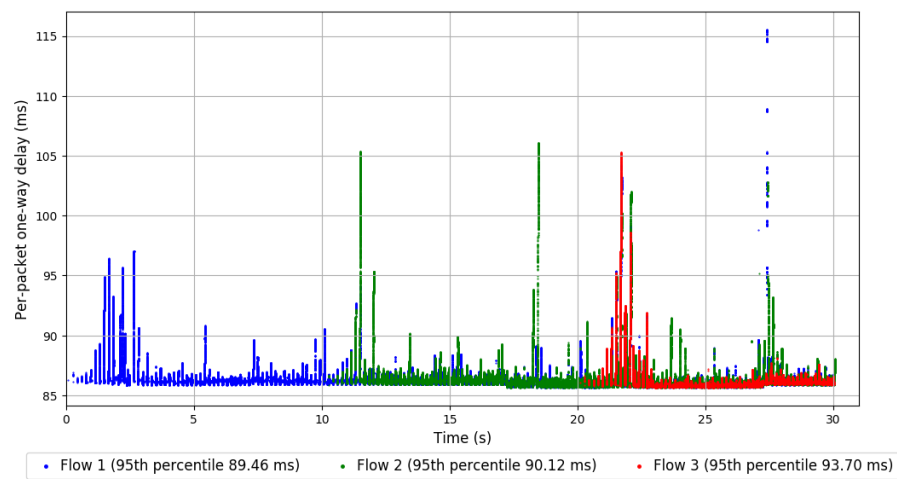
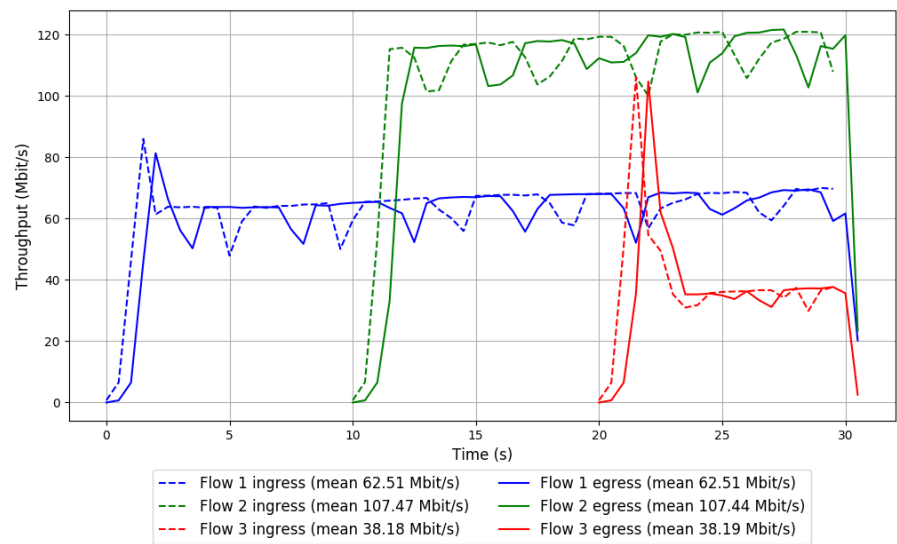


Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 11:09:34
End at: 2018-06-05 11:10:04
Local clock offset: 0.422 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.69 Mbit/s
95th percentile per-packet one-way delay: 90.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.51 Mbit/s
95th percentile per-packet one-way delay: 89.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 107.44 Mbit/s
95th percentile per-packet one-way delay: 90.119 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 93.703 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

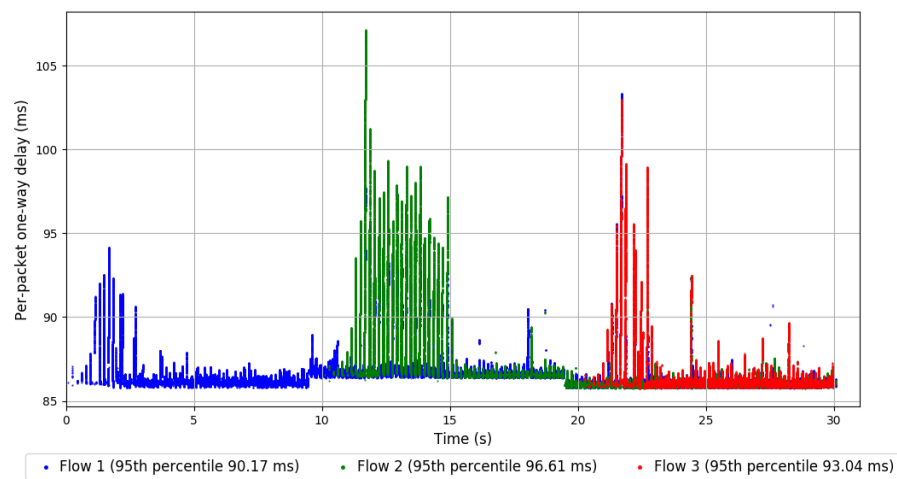
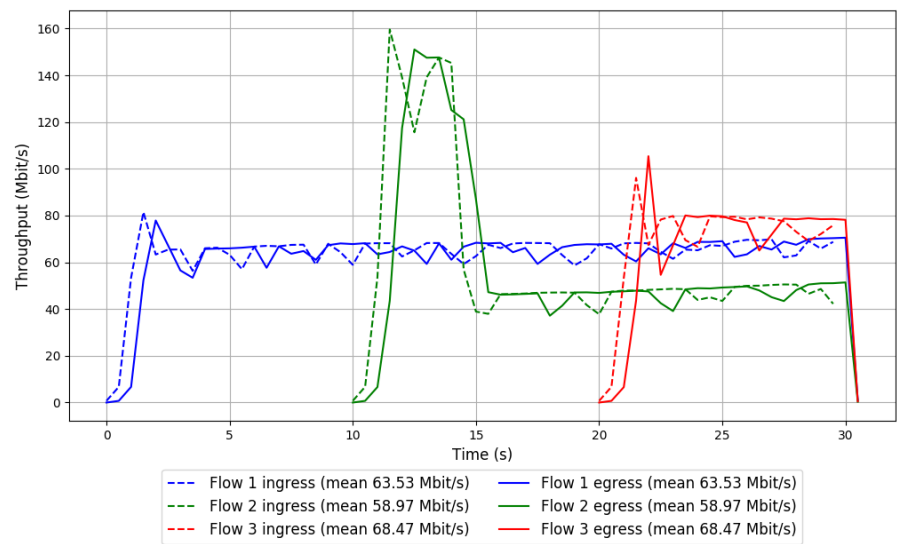


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 11:33:12
End at: 2018-06-05 11:33:42
Local clock offset: -0.012 ms
Remote clock offset: -0.122 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 125.49 Mbit/s
95th percentile per-packet one-way delay: 94.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.53 Mbit/s
95th percentile per-packet one-way delay: 90.166 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 58.97 Mbit/s
95th percentile per-packet one-way delay: 96.605 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.47 Mbit/s
95th percentile per-packet one-way delay: 93.044 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

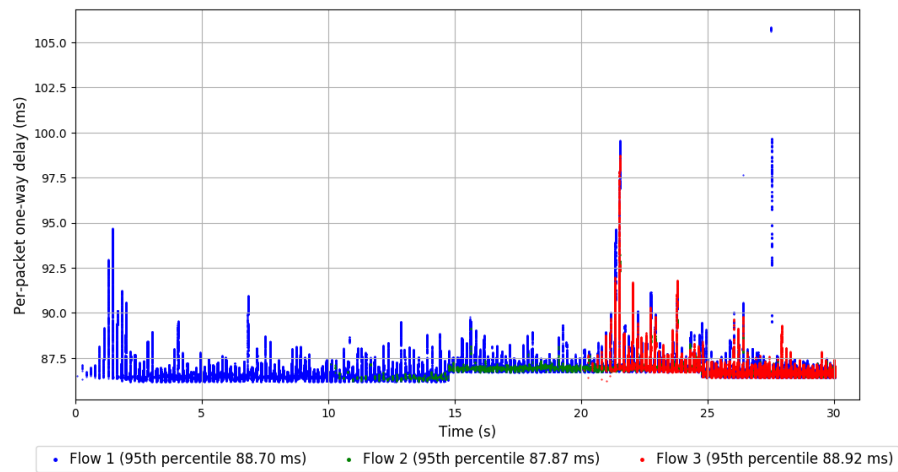
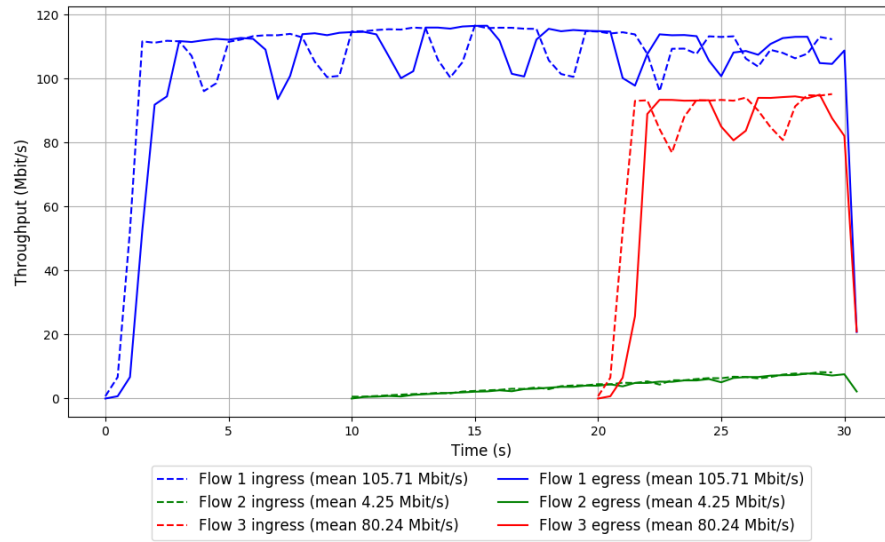


Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 11:57:07
End at: 2018-06-05 11:57:37
Local clock offset: -0.362 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 135.12 Mbit/s
95th percentile per-packet one-way delay: 88.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.71 Mbit/s
95th percentile per-packet one-way delay: 88.700 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 87.868 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: 88.924 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

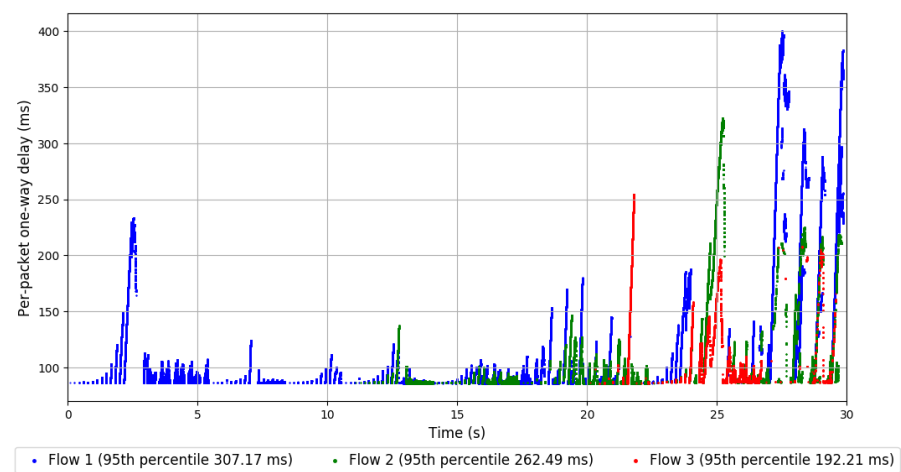
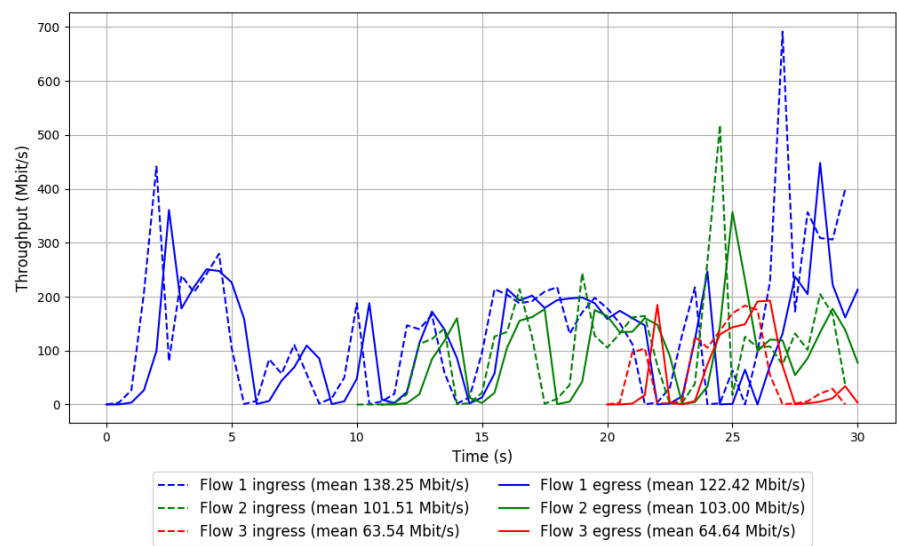


Run 1: Statistics of Verus

Start at: 2018-06-05 08:14:38
End at: 2018-06-05 08:15:08
Local clock offset: -0.16 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 207.66 Mbit/s
95th percentile per-packet one-way delay: 283.079 ms
Loss rate: 7.87%
-- Flow 1:
Average throughput: 122.42 Mbit/s
95th percentile per-packet one-way delay: 307.169 ms
Loss rate: 11.35%
-- Flow 2:
Average throughput: 103.00 Mbit/s
95th percentile per-packet one-way delay: 262.487 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 64.64 Mbit/s
95th percentile per-packet one-way delay: 192.212 ms
Loss rate: 0.09%

Run 1: Report of Verus — Data Link

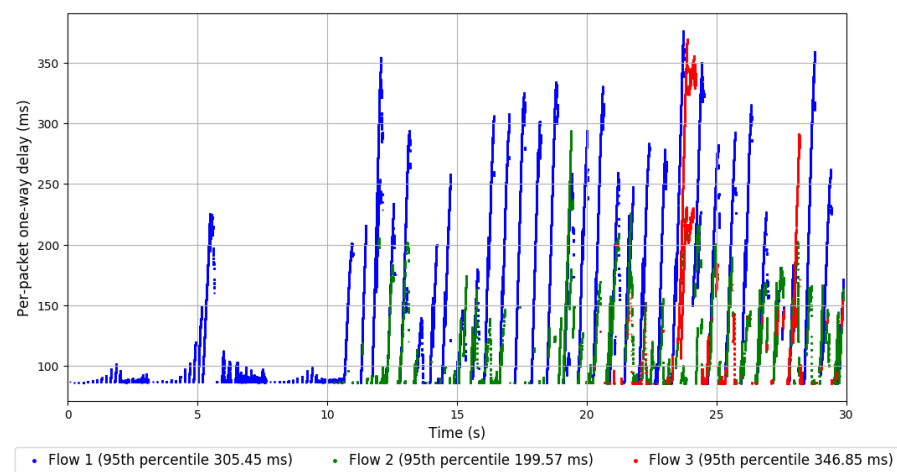
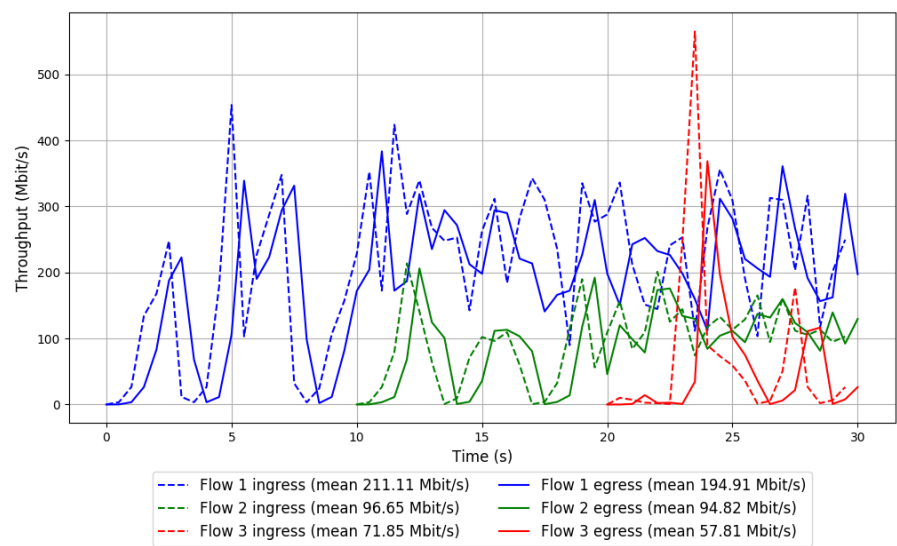


Run 2: Statistics of Verus

Start at: 2018-06-05 08:38:11
End at: 2018-06-05 08:38:41
Local clock offset: -0.177 ms
Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-05 14:13:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 276.75 Mbit/s
95th percentile per-packet one-way delay: 307.323 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 194.91 Mbit/s
95th percentile per-packet one-way delay: 305.453 ms
Loss rate: 7.61%
-- Flow 2:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 199.574 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: 346.853 ms
Loss rate: 18.99%

Run 2: Report of Verus — Data Link

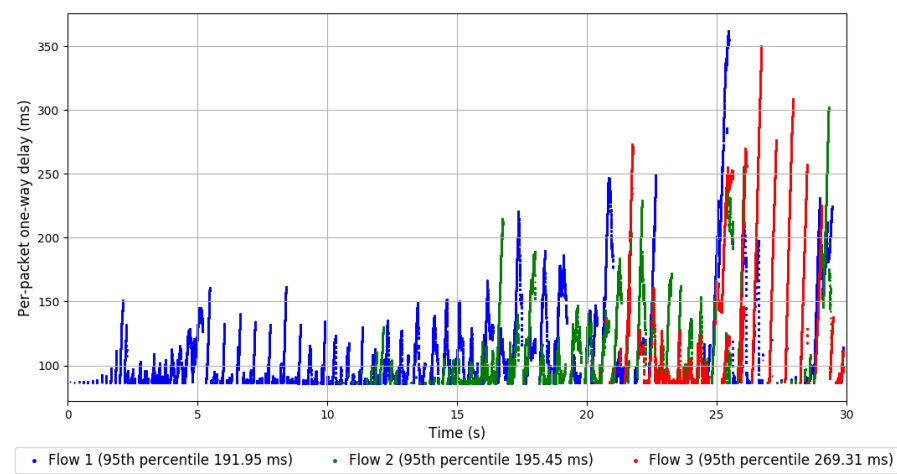
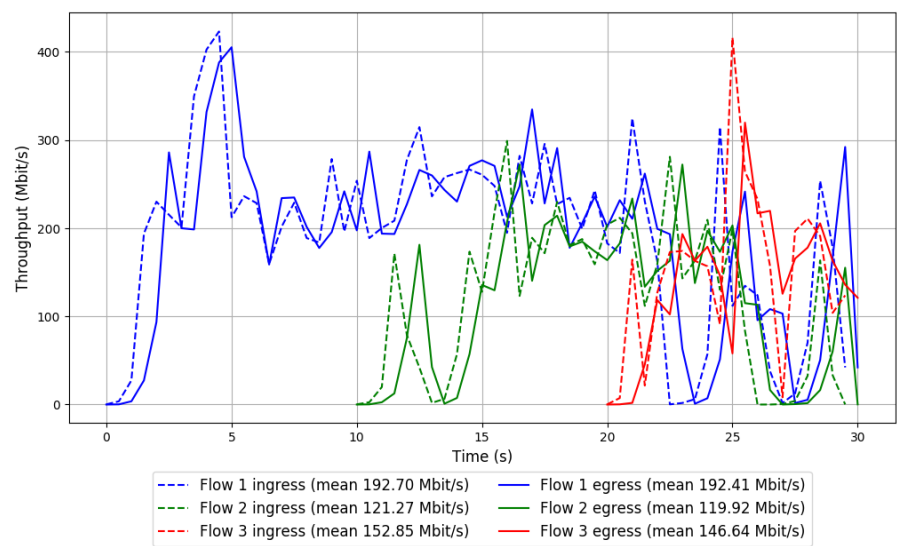


Run 3: Statistics of Verus

Start at: 2018-06-05 09:02:12
End at: 2018-06-05 09:02:42
Local clock offset: 0.004 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-06-05 14:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.33 Mbit/s
95th percentile per-packet one-way delay: 225.024 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 192.41 Mbit/s
95th percentile per-packet one-way delay: 191.949 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 119.92 Mbit/s
95th percentile per-packet one-way delay: 195.451 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 146.64 Mbit/s
95th percentile per-packet one-way delay: 269.313 ms
Loss rate: 4.18%

Run 3: Report of Verus — Data Link

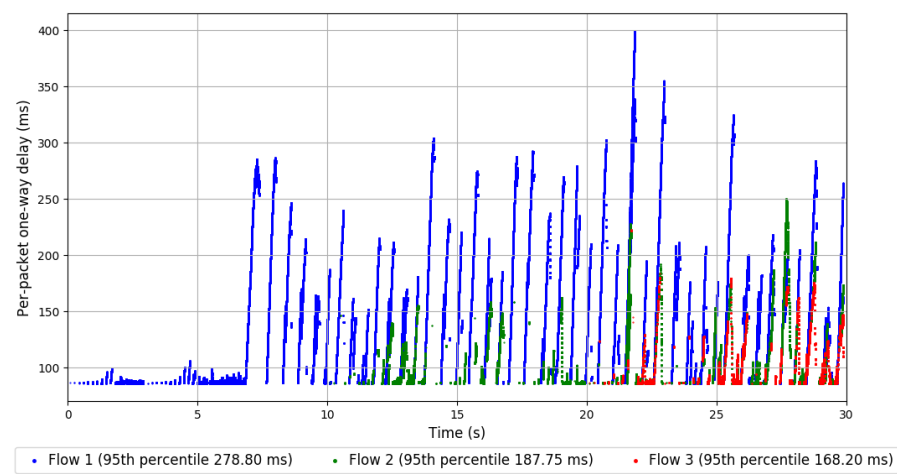
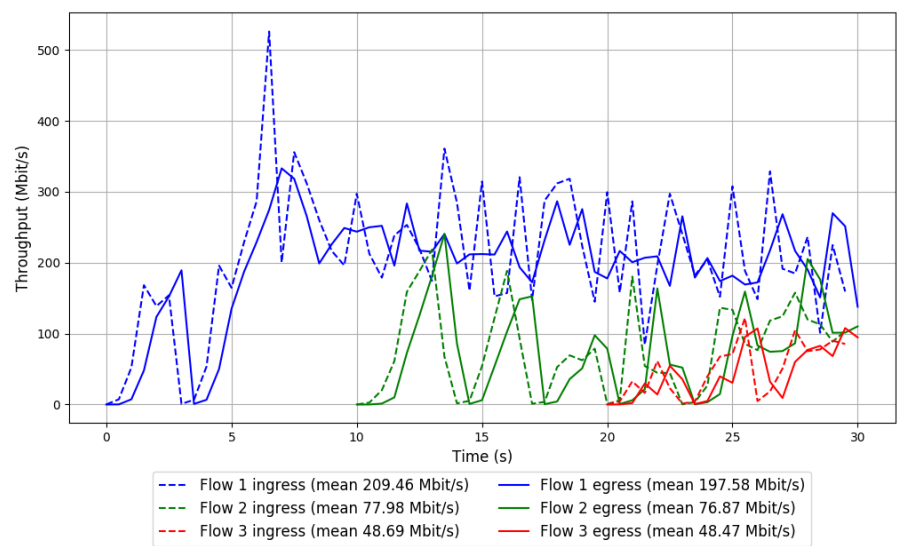


Run 4: Statistics of Verus

Start at: 2018-06-05 09:26:11
End at: 2018-06-05 09:26:41
Local clock offset: 0.043 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-05 14:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 264.48 Mbit/s
95th percentile per-packet one-way delay: 271.321 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 197.58 Mbit/s
95th percentile per-packet one-way delay: 278.802 ms
Loss rate: 5.48%
-- Flow 2:
Average throughput: 76.87 Mbit/s
95th percentile per-packet one-way delay: 187.754 ms
Loss rate: 0.98%
-- Flow 3:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 168.197 ms
Loss rate: 0.44%

Run 4: Report of Verus — Data Link

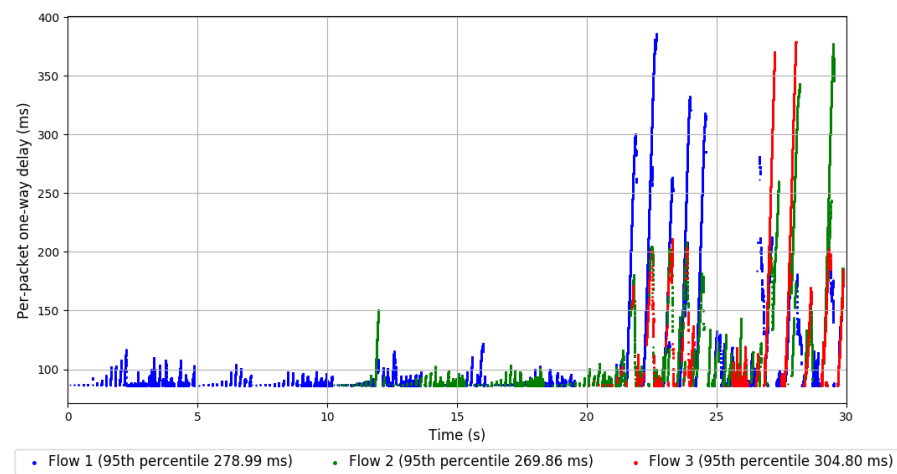
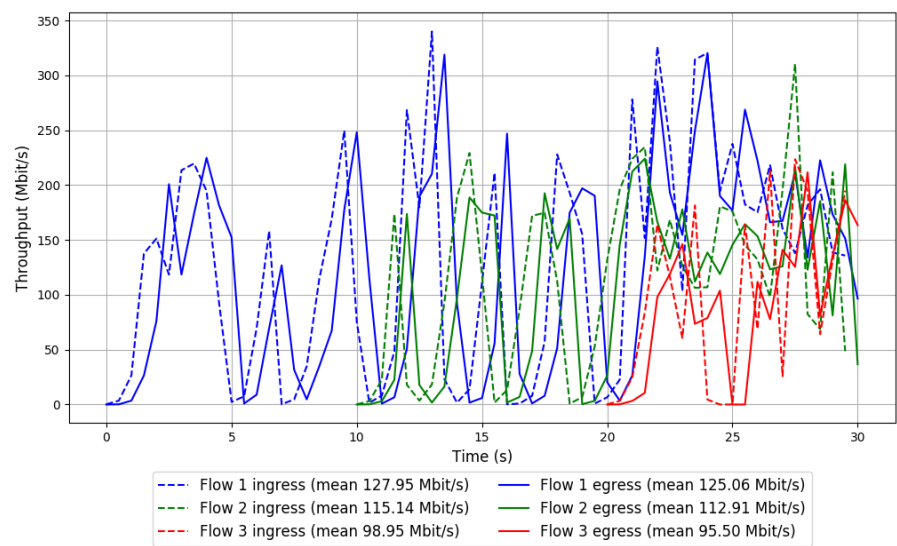


Run 5: Statistics of Verus

Start at: 2018-06-05 09:49:56
End at: 2018-06-05 09:50:26
Local clock offset: 0.056 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-05 14:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 231.29 Mbit/s
95th percentile per-packet one-way delay: 281.869 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 125.06 Mbit/s
95th percentile per-packet one-way delay: 278.994 ms
Loss rate: 2.16%
-- Flow 2:
Average throughput: 112.91 Mbit/s
95th percentile per-packet one-way delay: 269.857 ms
Loss rate: 2.04%
-- Flow 3:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 304.798 ms
Loss rate: 2.66%

Run 5: Report of Verus — Data Link

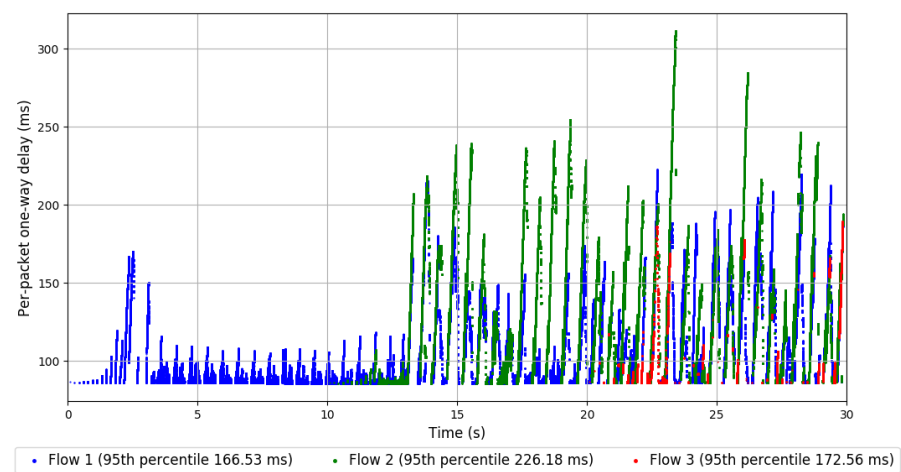
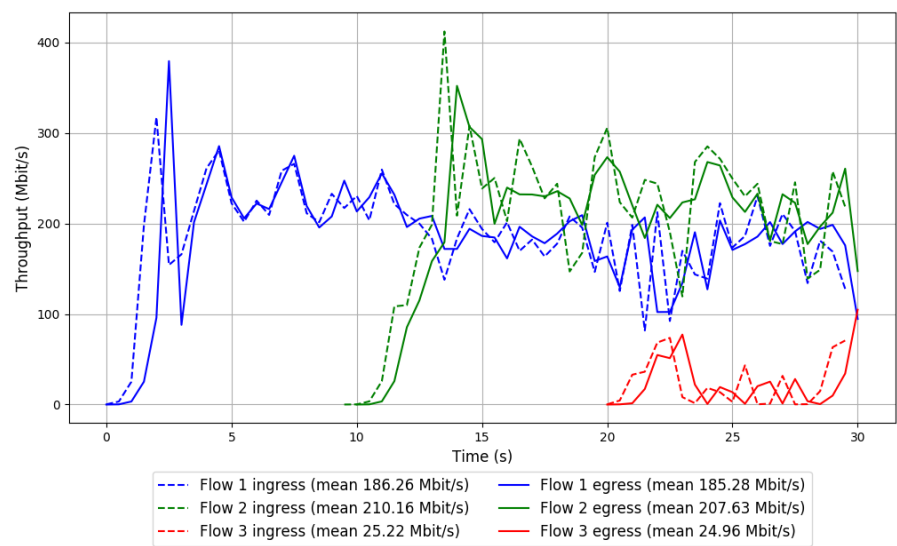


Run 6: Statistics of Verus

Start at: 2018-06-05 10:13:54
End at: 2018-06-05 10:14:24
Local clock offset: 0.098 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-05 14:14:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 331.41 Mbit/s
95th percentile per-packet one-way delay: 204.565 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 185.28 Mbit/s
95th percentile per-packet one-way delay: 166.529 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 207.63 Mbit/s
95th percentile per-packet one-way delay: 226.183 ms
Loss rate: 1.12%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 172.561 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

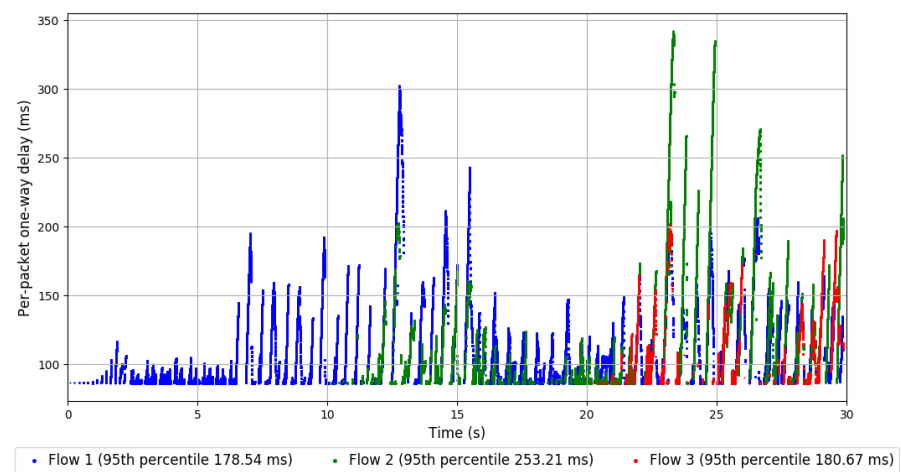
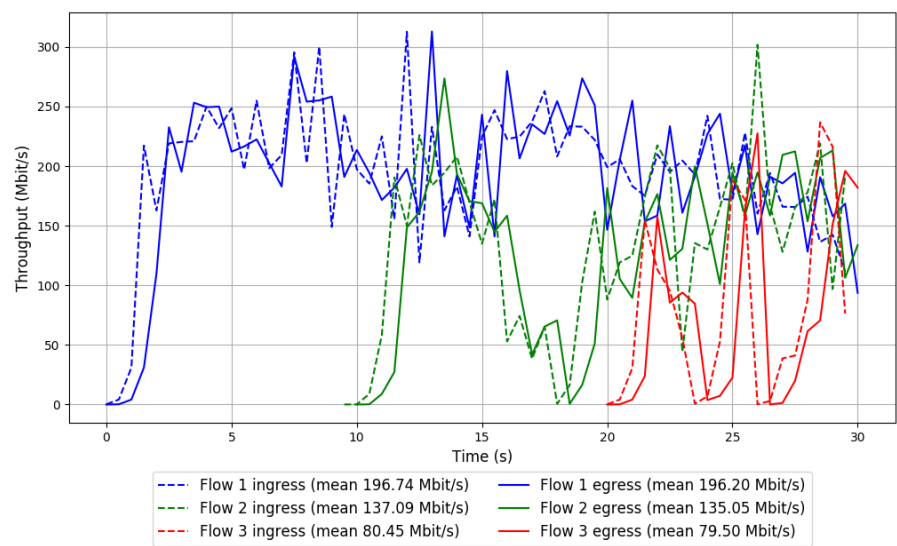


Run 7: Statistics of Verus

Start at: 2018-06-05 10:37:33
End at: 2018-06-05 10:38:03
Local clock offset: -0.171 ms
Remote clock offset: -0.081 ms

Below is generated by plot.py at 2018-06-05 14:16:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.03 Mbit/s
95th percentile per-packet one-way delay: 196.690 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 196.20 Mbit/s
95th percentile per-packet one-way delay: 178.542 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 135.05 Mbit/s
95th percentile per-packet one-way delay: 253.212 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 79.50 Mbit/s
95th percentile per-packet one-way delay: 180.669 ms
Loss rate: 1.18%

Run 7: Report of Verus — Data Link

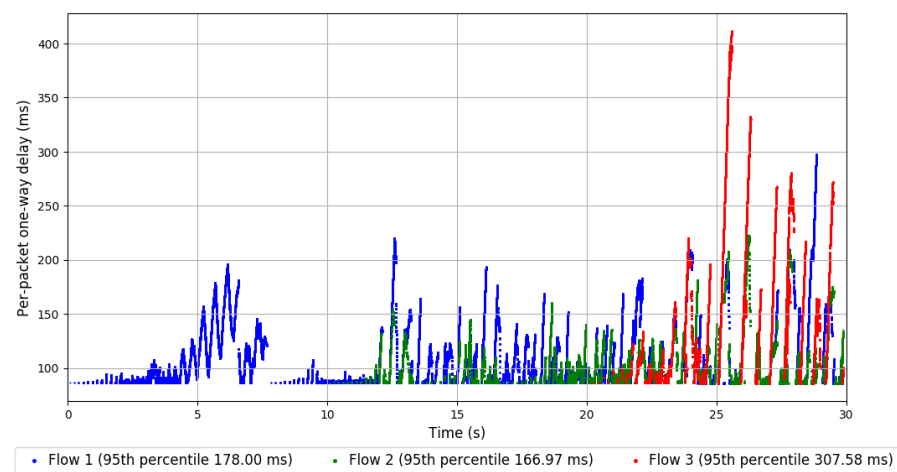
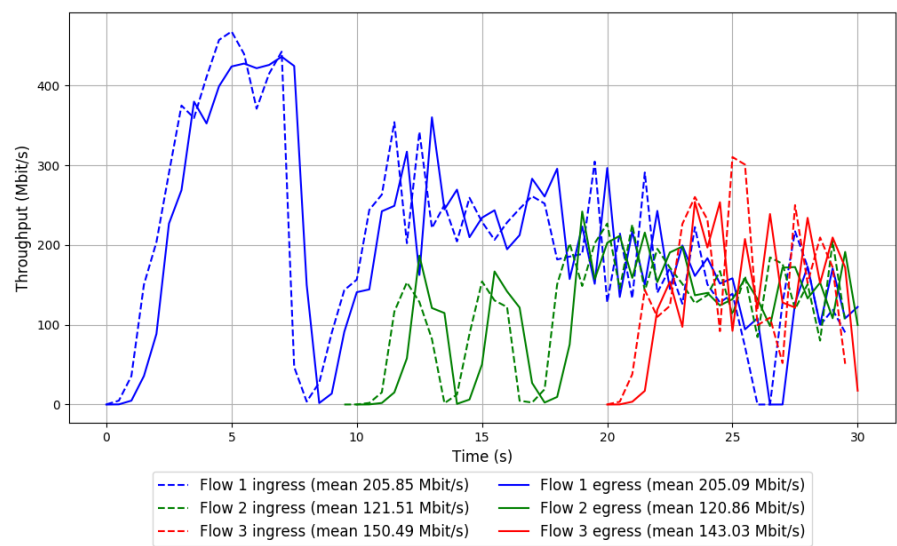


Run 8: Statistics of Verus

Start at: 2018-06-05 11:01:27
End at: 2018-06-05 11:01:57
Local clock offset: 0.064 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-06-05 14:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 332.22 Mbit/s
95th percentile per-packet one-way delay: 200.072 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 205.09 Mbit/s
95th percentile per-packet one-way delay: 178.004 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 120.86 Mbit/s
95th percentile per-packet one-way delay: 166.968 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 143.03 Mbit/s
95th percentile per-packet one-way delay: 307.579 ms
Loss rate: 4.97%

Run 8: Report of Verus — Data Link

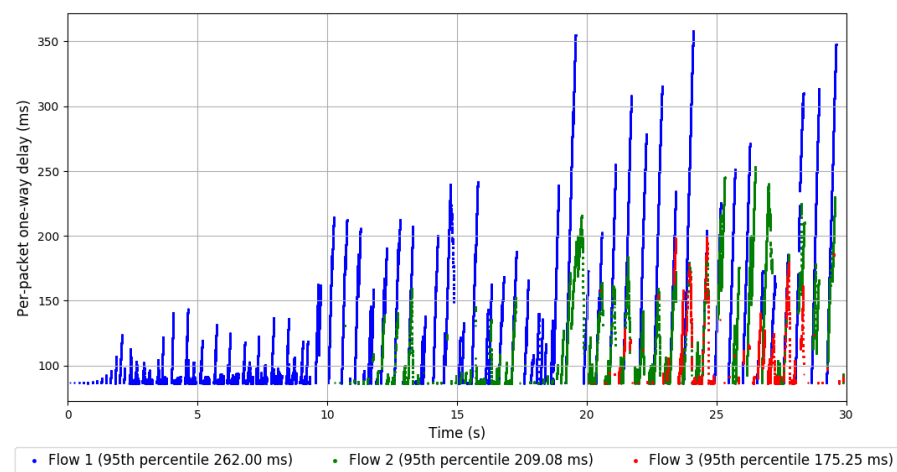
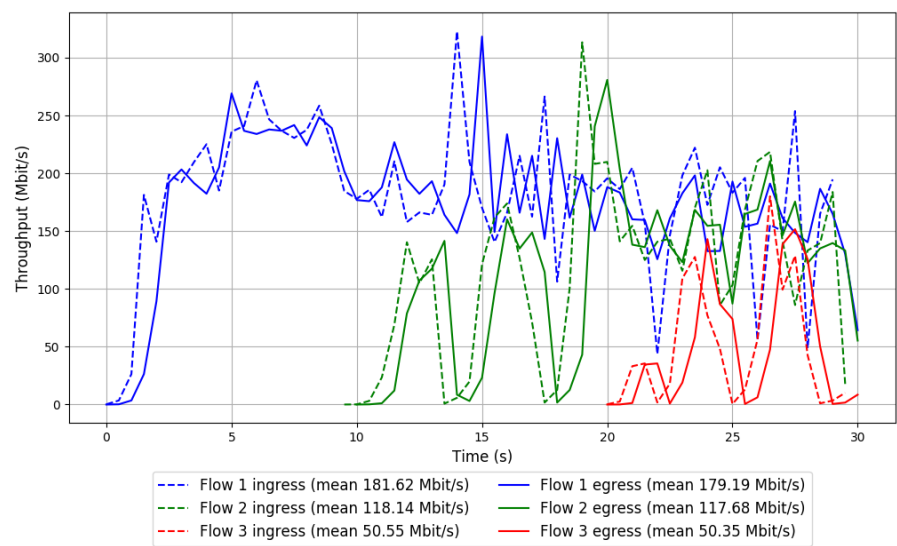


Run 9: Statistics of Verus

Start at: 2018-06-05 11:25:11
End at: 2018-06-05 11:25:41
Local clock offset: -0.027 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-05 14:17:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.05 Mbit/s
95th percentile per-packet one-way delay: 237.417 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 179.19 Mbit/s
95th percentile per-packet one-way delay: 262.005 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 117.68 Mbit/s
95th percentile per-packet one-way delay: 209.083 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 50.35 Mbit/s
95th percentile per-packet one-way delay: 175.248 ms
Loss rate: 0.39%

Run 9: Report of Verus — Data Link

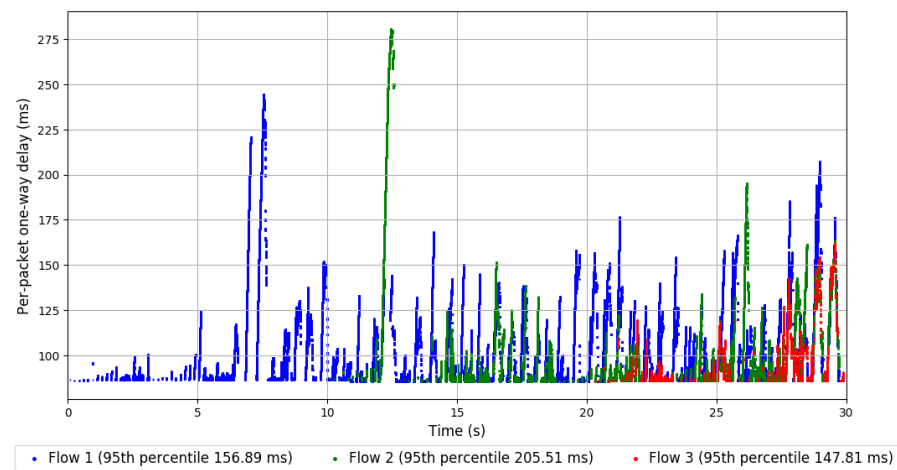
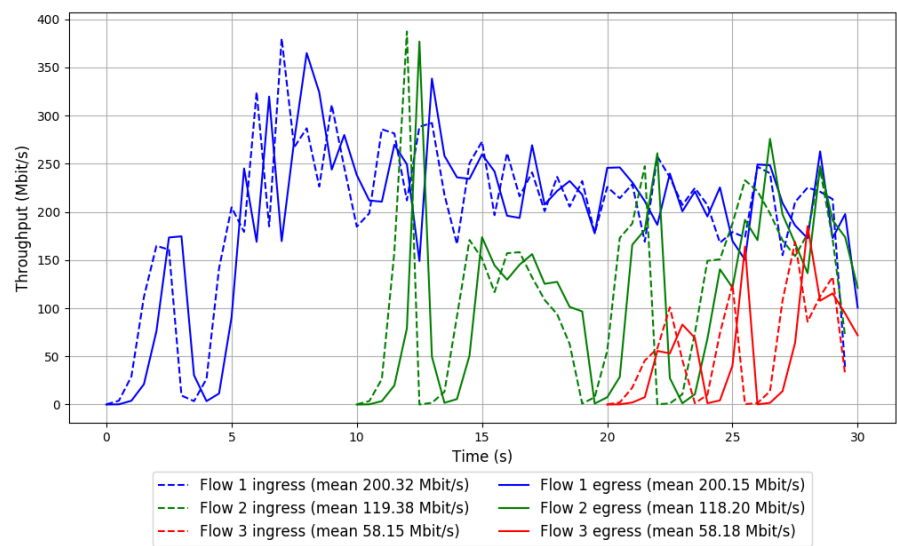


Run 10: Statistics of Verus

Start at: 2018-06-05 11:49:00
End at: 2018-06-05 11:49:30
Local clock offset: 0.05 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-06-05 14:17:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.49 Mbit/s
95th percentile per-packet one-way delay: 160.955 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 200.15 Mbit/s
95th percentile per-packet one-way delay: 156.888 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 118.20 Mbit/s
95th percentile per-packet one-way delay: 205.511 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 147.812 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link

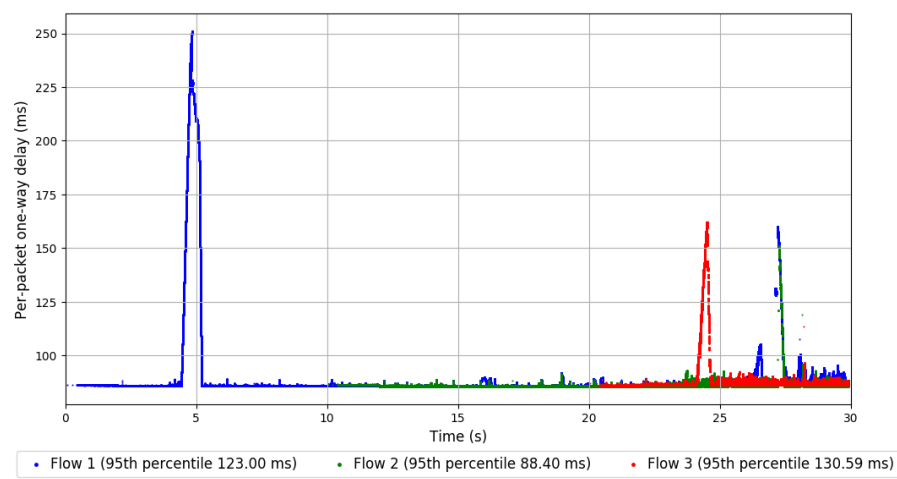
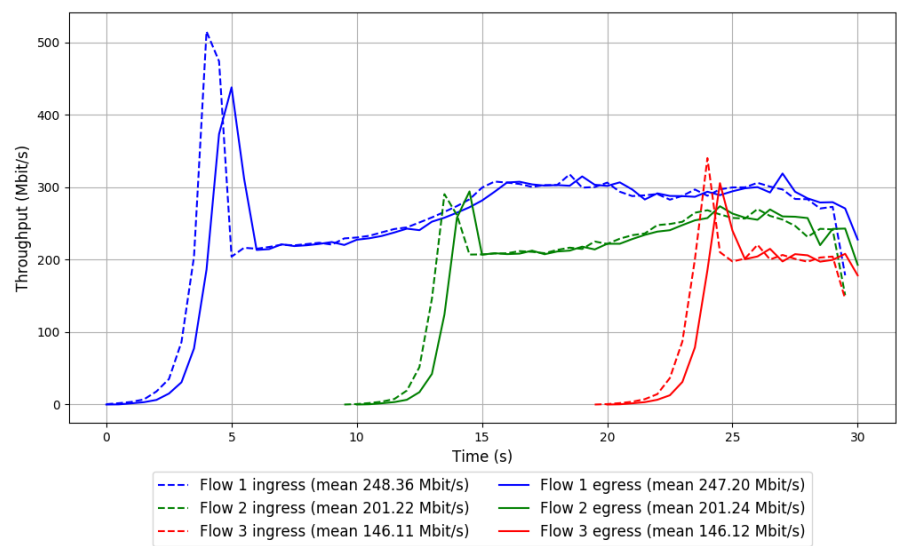


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 08:27:59
End at: 2018-06-05 08:28:29
Local clock offset: 0.175 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-06-05 14:20:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.57 Mbit/s
95th percentile per-packet one-way delay: 100.739 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 247.20 Mbit/s
95th percentile per-packet one-way delay: 123.005 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 201.24 Mbit/s
95th percentile per-packet one-way delay: 88.399 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 146.12 Mbit/s
95th percentile per-packet one-way delay: 130.594 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

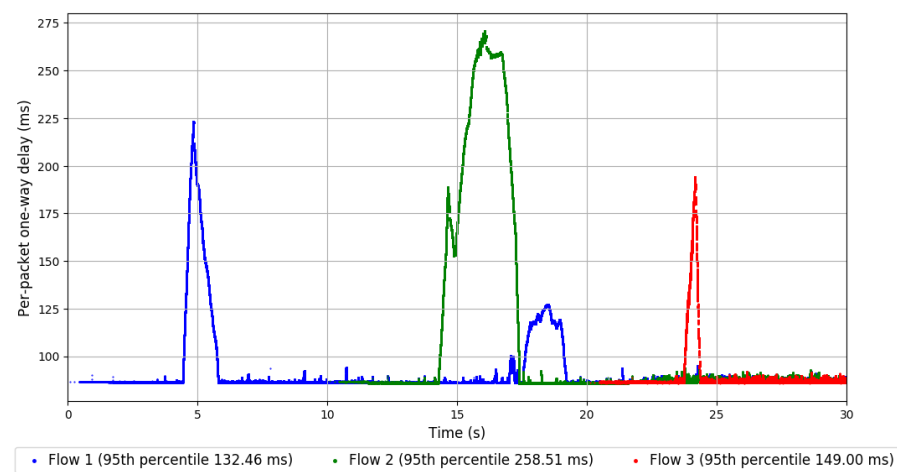
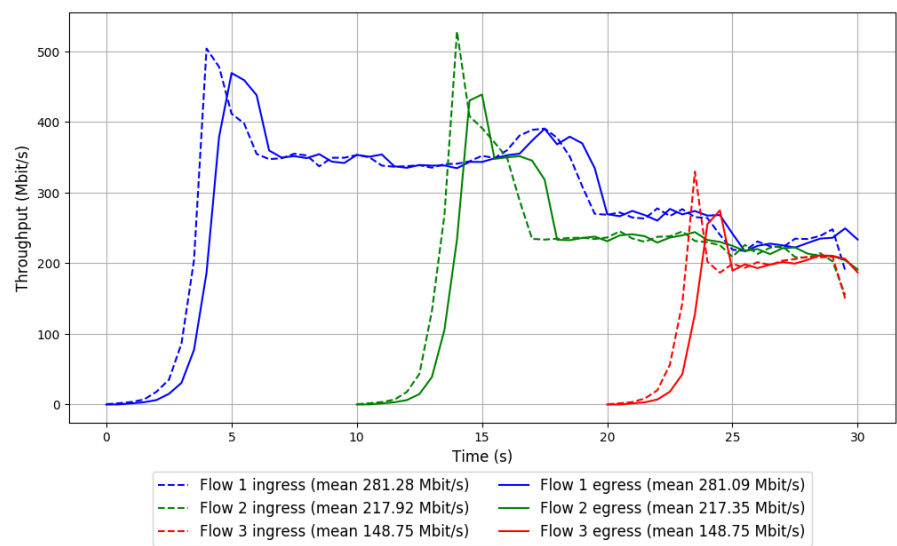


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 08:51:50
End at: 2018-06-05 08:52:20
Local clock offset: -0.112 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-05 14:21:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 474.67 Mbit/s
95th percentile per-packet one-way delay: 202.390 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 281.09 Mbit/s
95th percentile per-packet one-way delay: 132.458 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 217.35 Mbit/s
95th percentile per-packet one-way delay: 258.509 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 148.75 Mbit/s
95th percentile per-packet one-way delay: 149.000 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

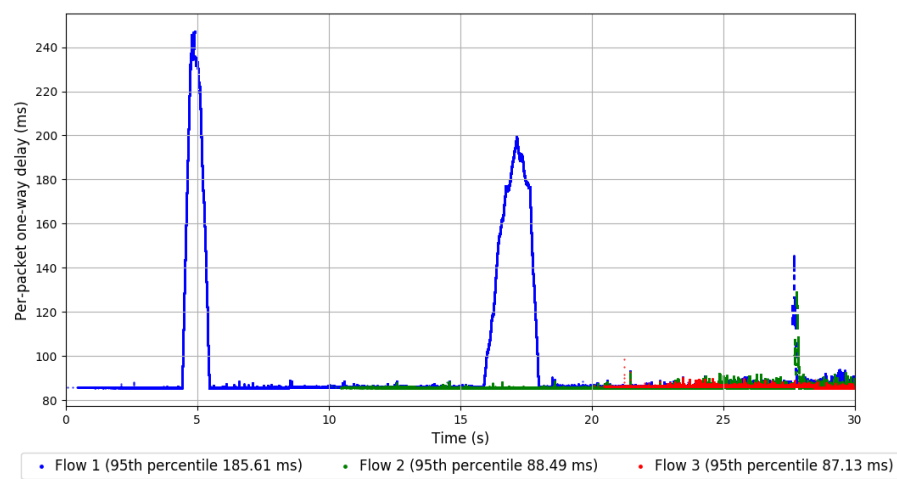
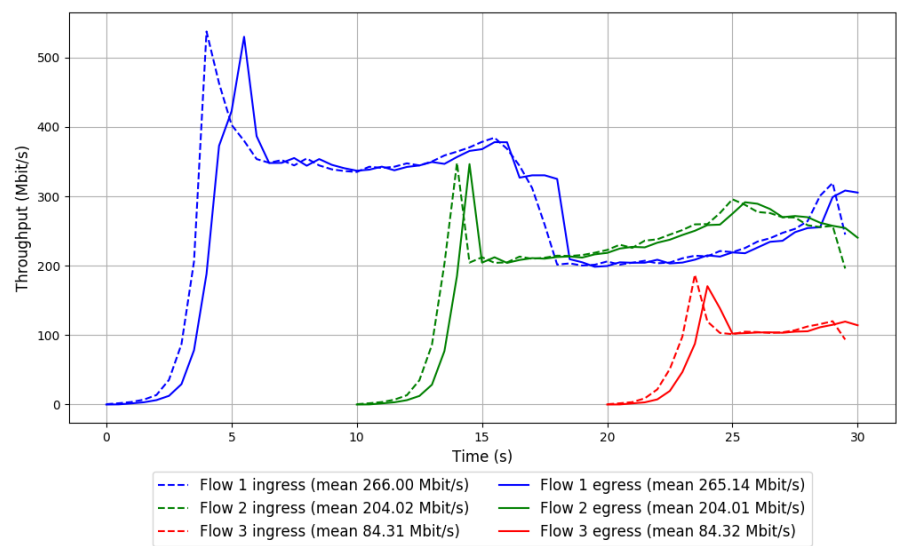


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 09:15:53
End at: 2018-06-05 09:16:23
Local clock offset: 0.185 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-05 14:21:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.62 Mbit/s
95th percentile per-packet one-way delay: 166.532 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 265.14 Mbit/s
95th percentile per-packet one-way delay: 185.614 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 204.01 Mbit/s
95th percentile per-packet one-way delay: 88.487 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 87.131 ms
Loss rate: 0.01%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 09:39:38

End at: 2018-06-05 09:40:08

Local clock offset: 0.105 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-06-05 14:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.35 Mbit/s

95th percentile per-packet one-way delay: 200.569 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 264.43 Mbit/s

95th percentile per-packet one-way delay: 211.046 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 201.95 Mbit/s

95th percentile per-packet one-way delay: 90.524 ms

Loss rate: 0.00%

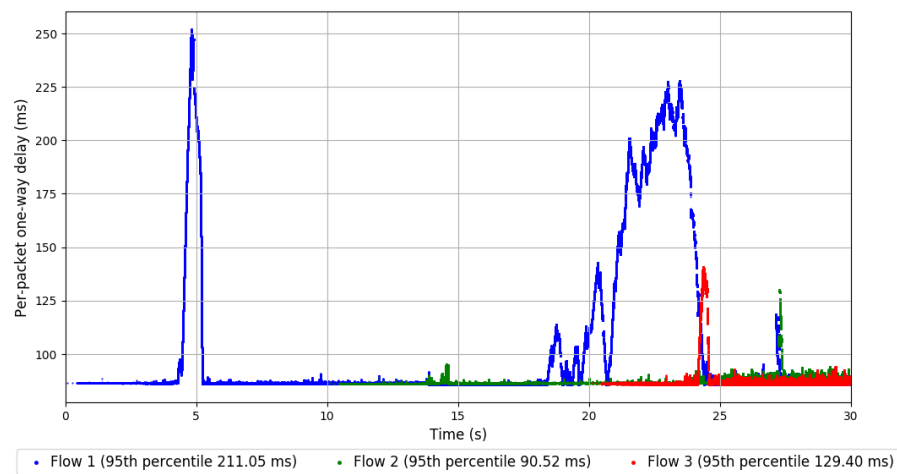
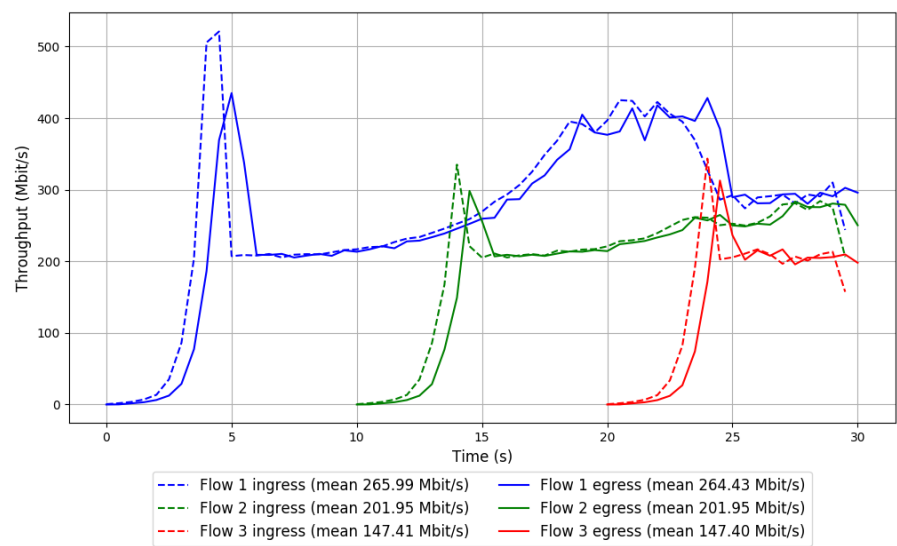
-- Flow 3:

Average throughput: 147.40 Mbit/s

95th percentile per-packet one-way delay: 129.402 ms

Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

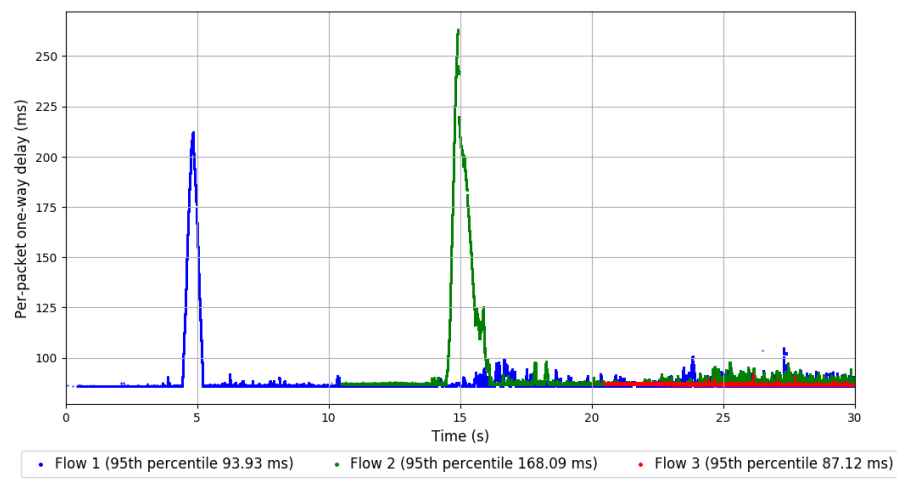
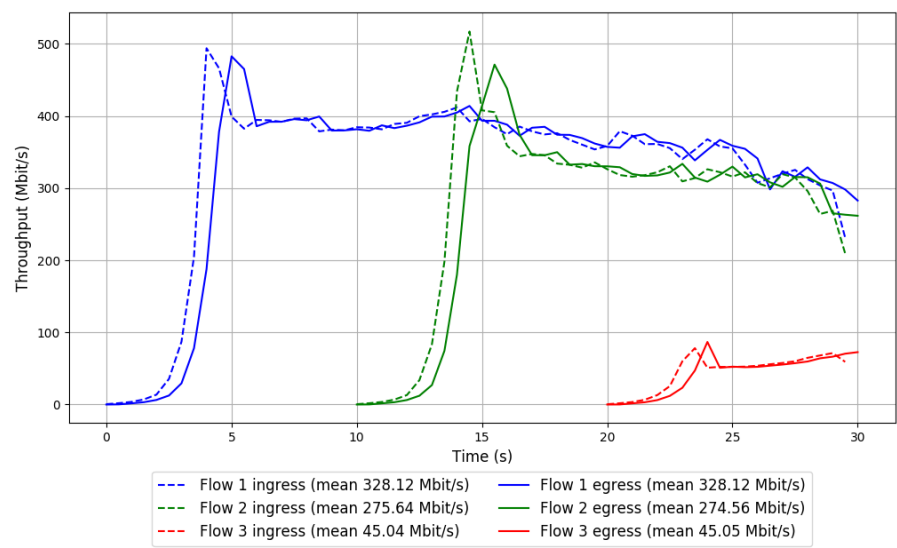


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 10:03:27
End at: 2018-06-05 10:03:57
Local clock offset: -0.047 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-05 14:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.52 Mbit/s
95th percentile per-packet one-way delay: 117.953 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 328.12 Mbit/s
95th percentile per-packet one-way delay: 93.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 274.56 Mbit/s
95th percentile per-packet one-way delay: 168.093 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 87.121 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

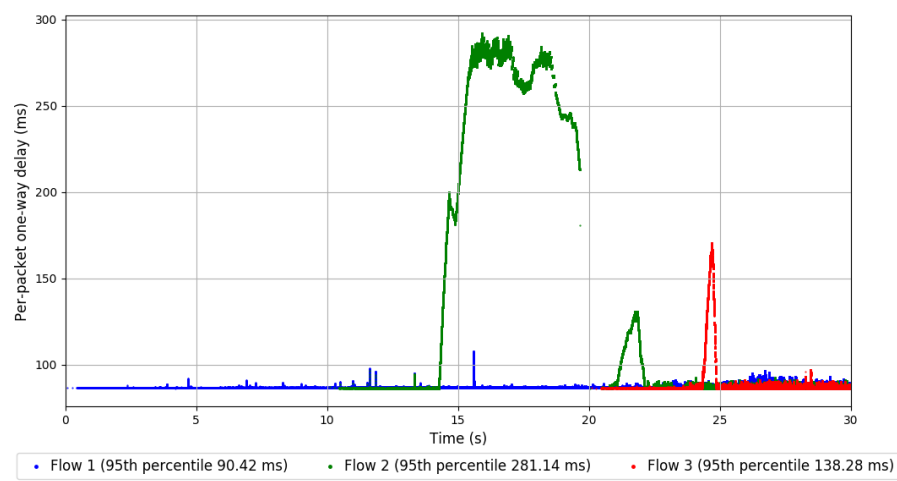
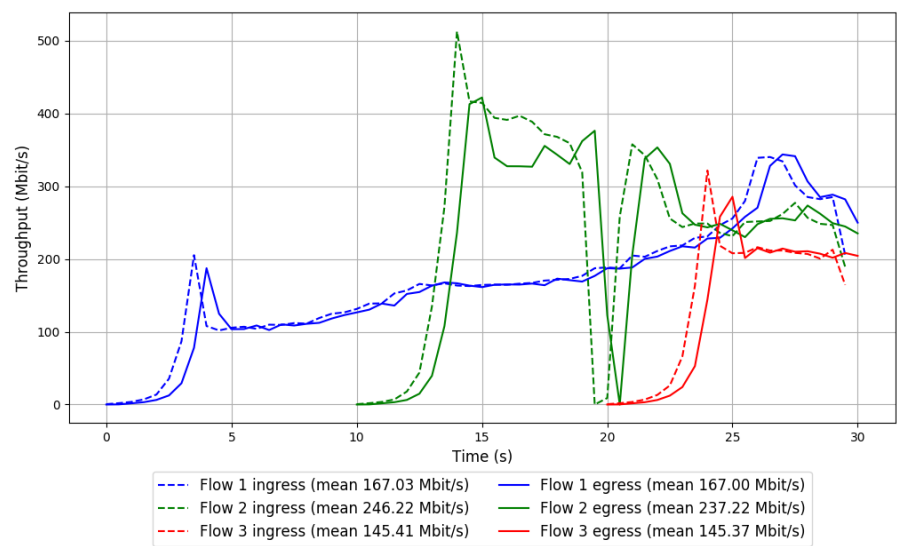


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 10:27:15
End at: 2018-06-05 10:27:45
Local clock offset: -0.344 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-05 14:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.76 Mbit/s
95th percentile per-packet one-way delay: 275.972 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 167.00 Mbit/s
95th percentile per-packet one-way delay: 90.423 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 237.22 Mbit/s
95th percentile per-packet one-way delay: 281.136 ms
Loss rate: 3.65%
-- Flow 3:
Average throughput: 145.37 Mbit/s
95th percentile per-packet one-way delay: 138.281 ms
Loss rate: 0.01%

Run 6: Report of PCC-Vivace — Data Link

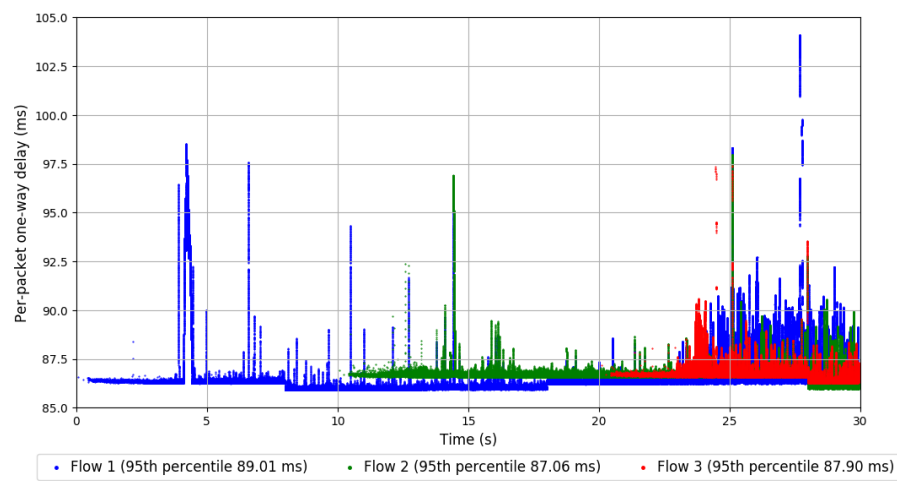
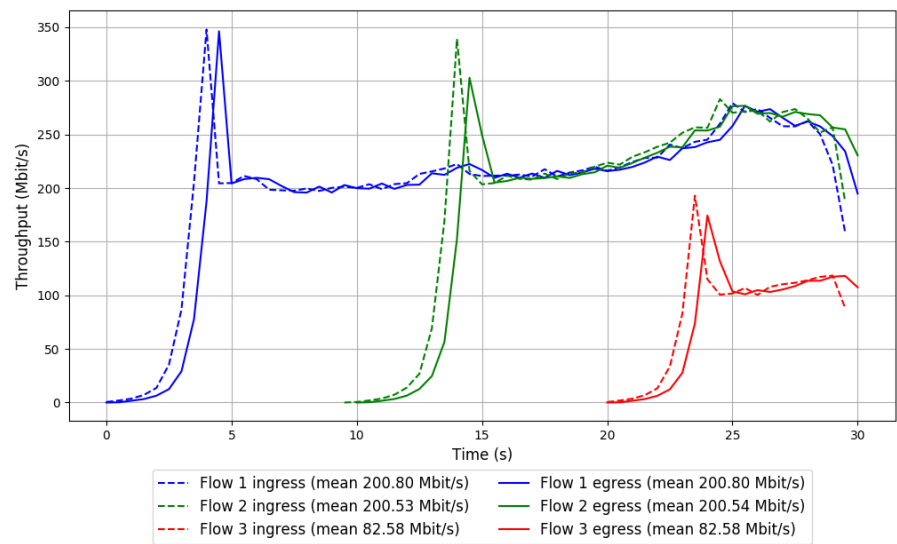


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 10:51:13
End at: 2018-06-05 10:51:43
Local clock offset: -0.188 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-05 14:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 361.51 Mbit/s
95th percentile per-packet one-way delay: 88.273 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.80 Mbit/s
95th percentile per-packet one-way delay: 89.007 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 200.54 Mbit/s
95th percentile per-packet one-way delay: 87.055 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 87.900 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

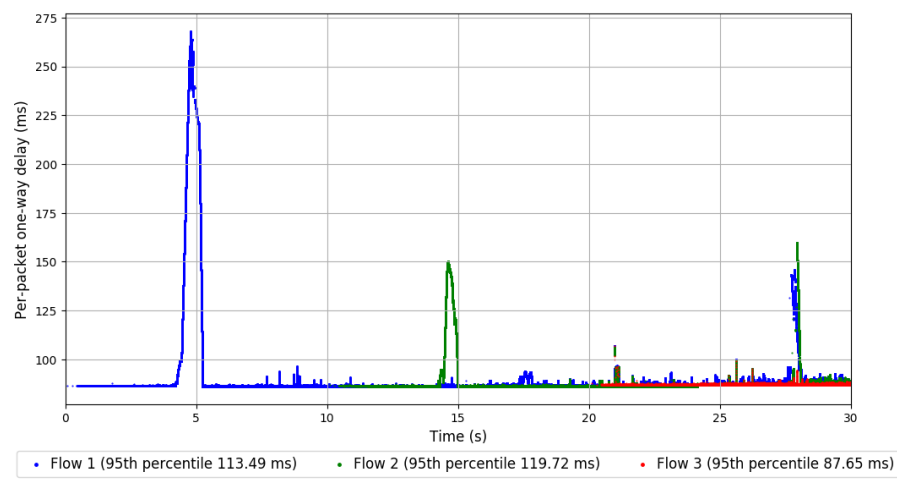
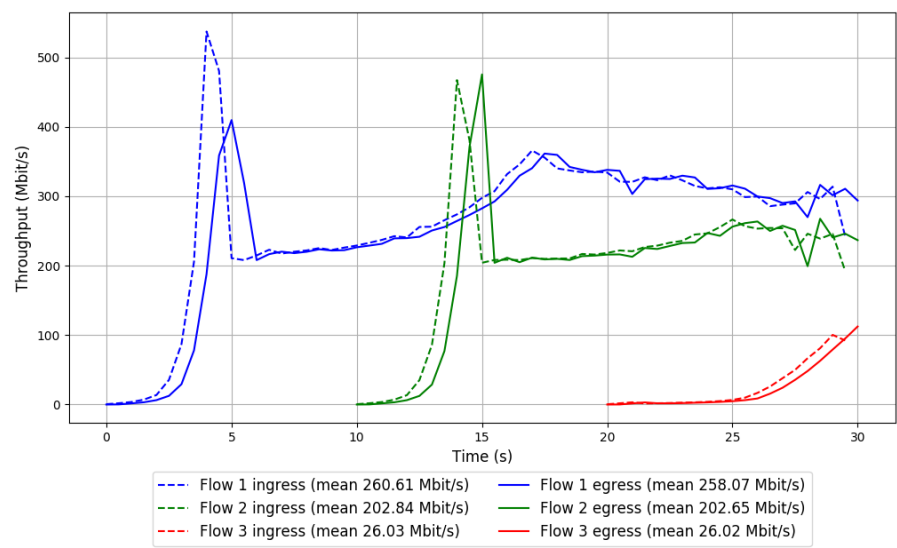


Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 11:14:57
End at: 2018-06-05 11:15:27
Local clock offset: -0.381 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-06-05 14:24:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 401.44 Mbit/s
95th percentile per-packet one-way delay: 116.032 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 258.07 Mbit/s
95th percentile per-packet one-way delay: 113.486 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 202.65 Mbit/s
95th percentile per-packet one-way delay: 119.722 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 26.02 Mbit/s
95th percentile per-packet one-way delay: 87.647 ms
Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 11:38:34

End at: 2018-06-05 11:39:04

Local clock offset: 0.168 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-06-05 14:25:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 516.67 Mbit/s

95th percentile per-packet one-way delay: 258.138 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 280.95 Mbit/s

95th percentile per-packet one-way delay: 275.122 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 284.14 Mbit/s

95th percentile per-packet one-way delay: 245.274 ms

Loss rate: 0.12%

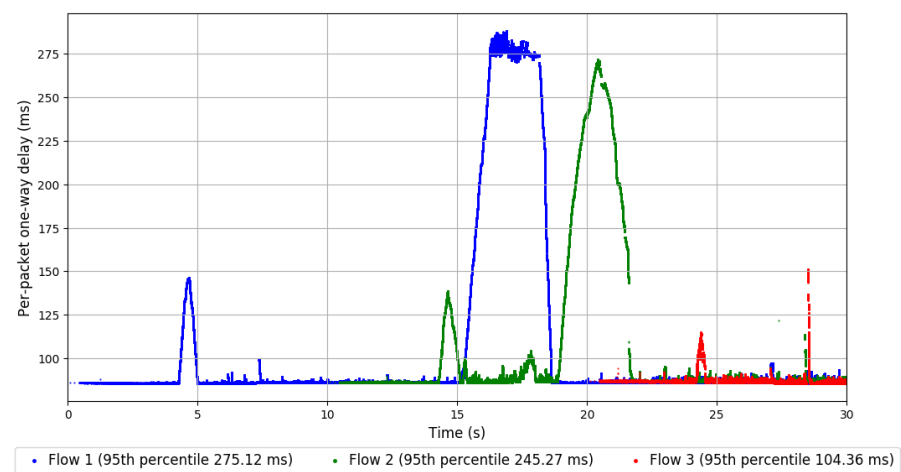
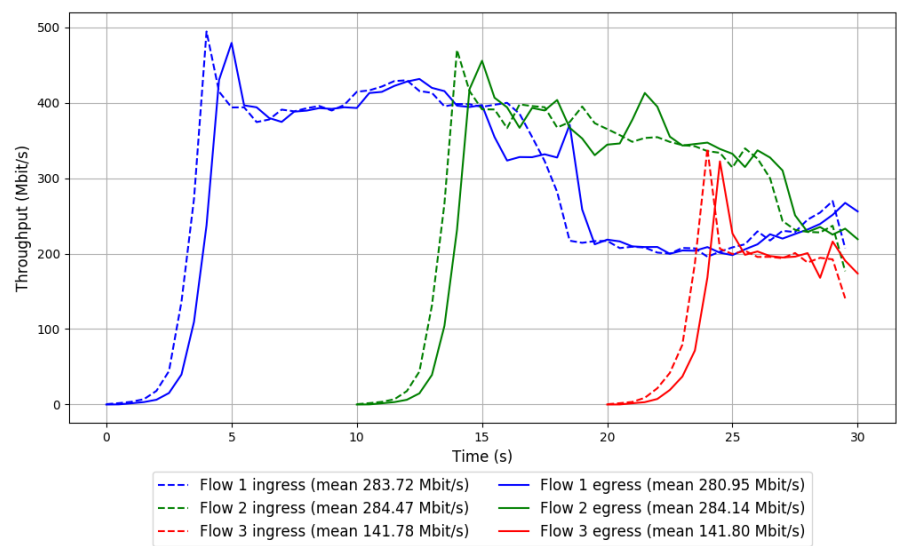
-- Flow 3:

Average throughput: 141.80 Mbit/s

95th percentile per-packet one-way delay: 104.356 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

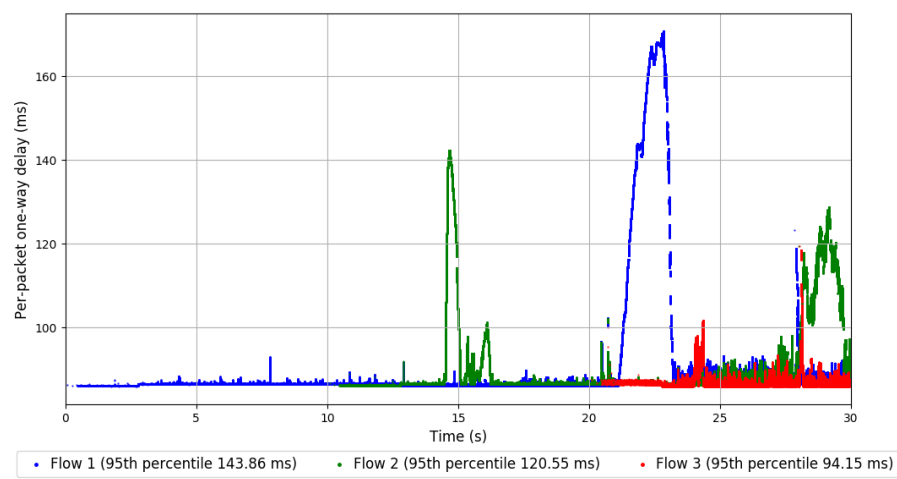
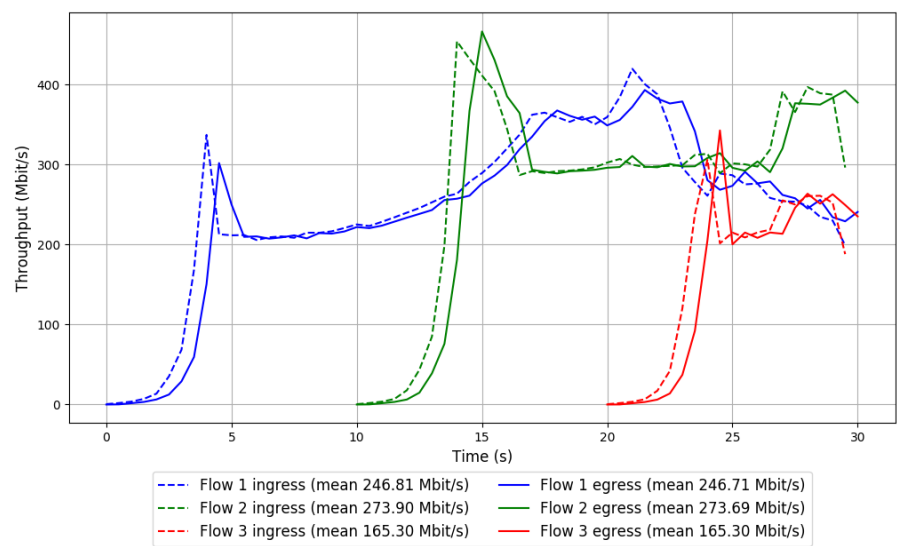


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 12:02:29
End at: 2018-06-05 12:02:59
Local clock offset: -0.073 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 483.26 Mbit/s
95th percentile per-packet one-way delay: 125.934 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 246.71 Mbit/s
95th percentile per-packet one-way delay: 143.857 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 273.69 Mbit/s
95th percentile per-packet one-way delay: 120.550 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 165.30 Mbit/s
95th percentile per-packet one-way delay: 94.146 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

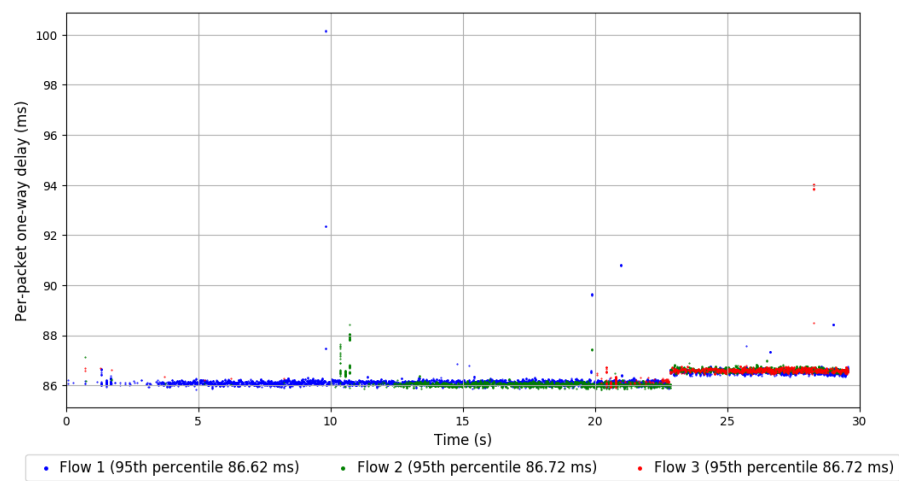
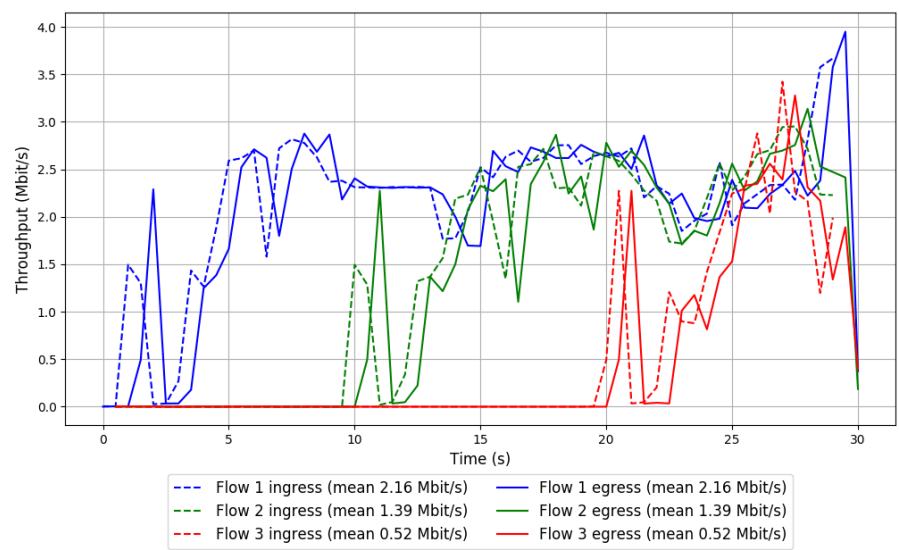


Run 1: Statistics of WebRTC media

Start at: 2018-06-05 08:26:48
End at: 2018-06-05 08:27:18
Local clock offset: -0.194 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 86.680 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 86.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 86.715 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.718 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

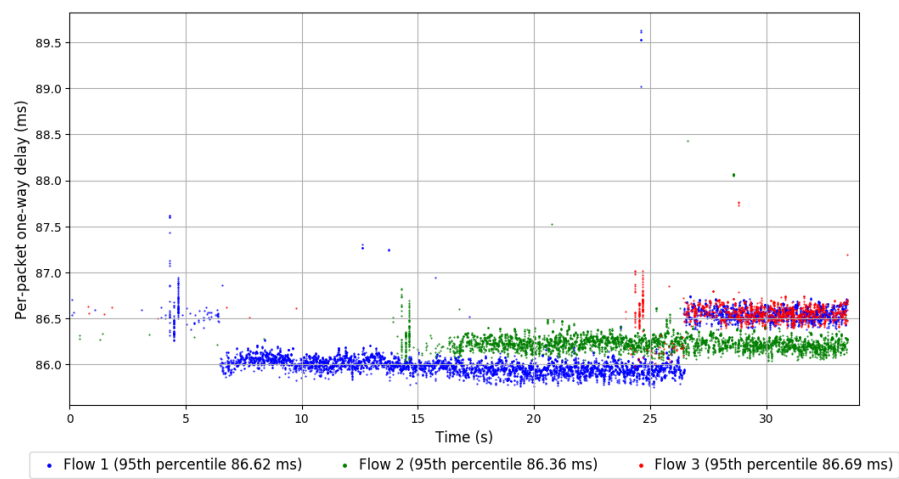
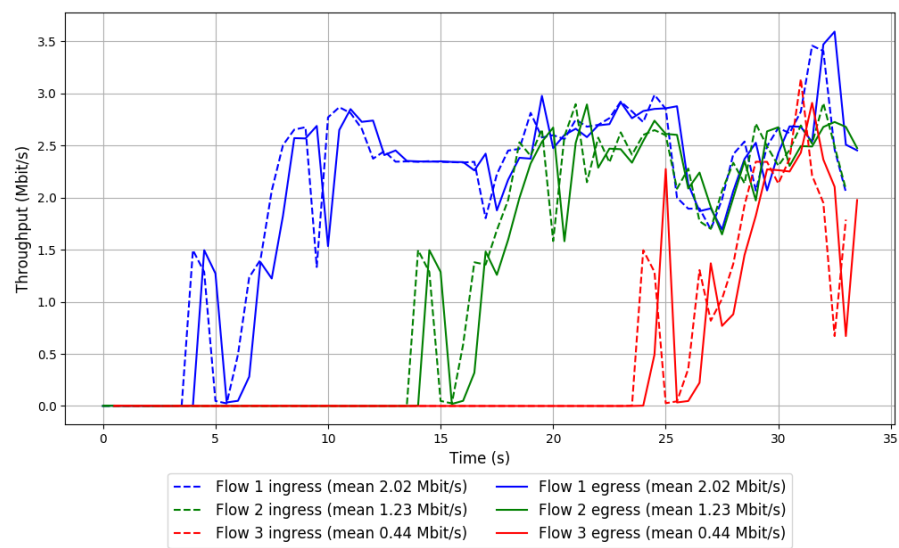


Run 2: Statistics of WebRTC media

Start at: 2018-06-05 08:50:38
End at: 2018-06-05 08:51:08
Local clock offset: -0.023 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 86.629 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.359 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

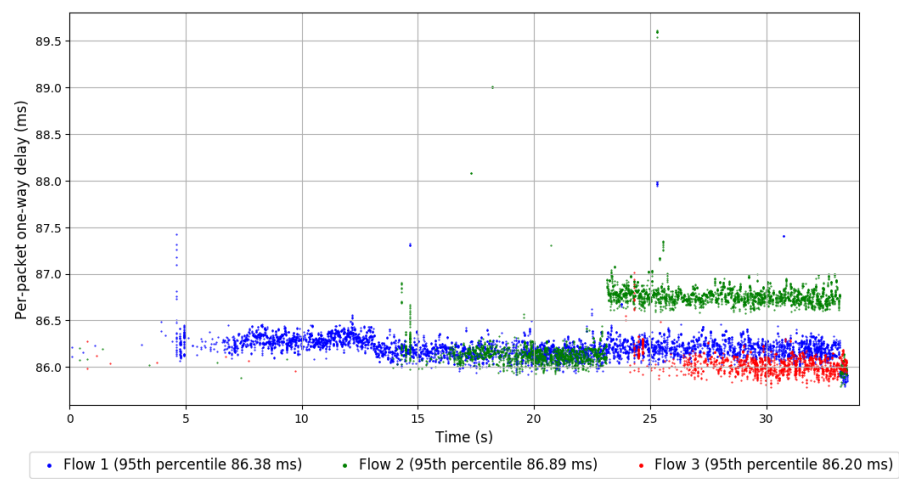
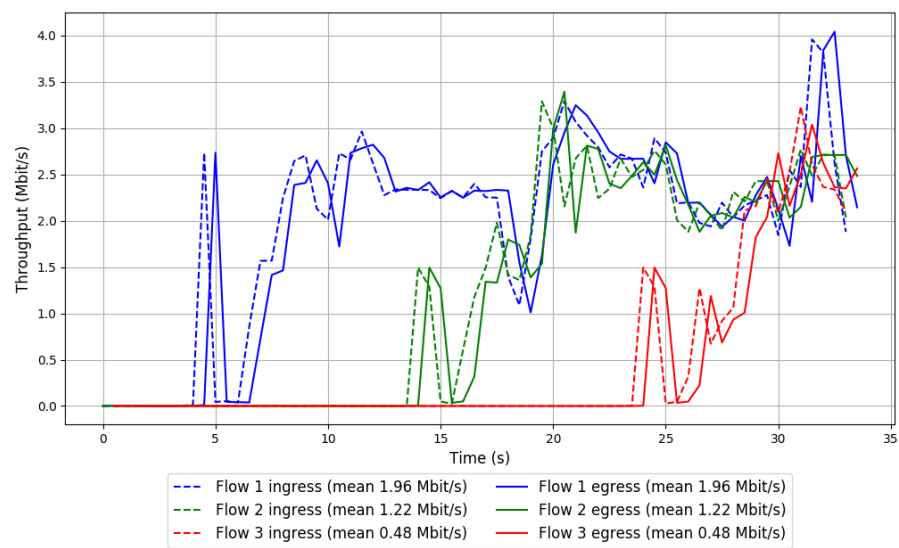


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 09:14:42
End at: 2018-06-05 09:15:12
Local clock offset: -0.021 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.376 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.885 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 86.201 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

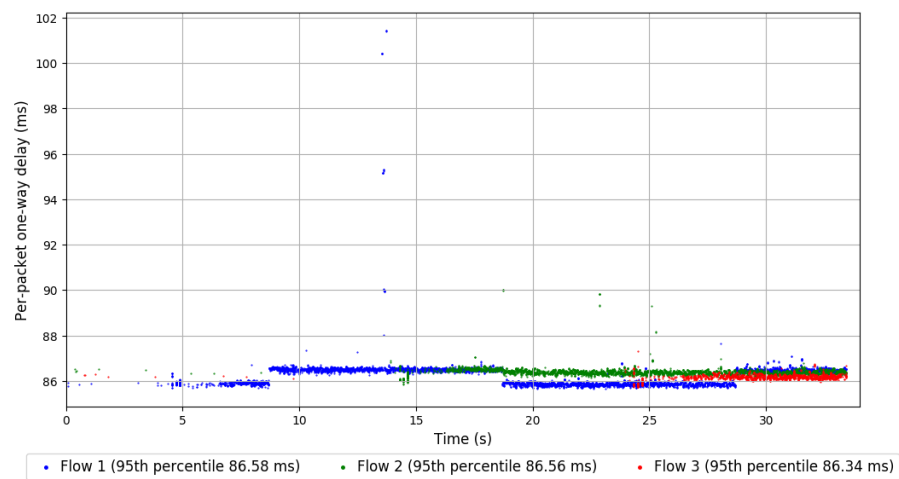
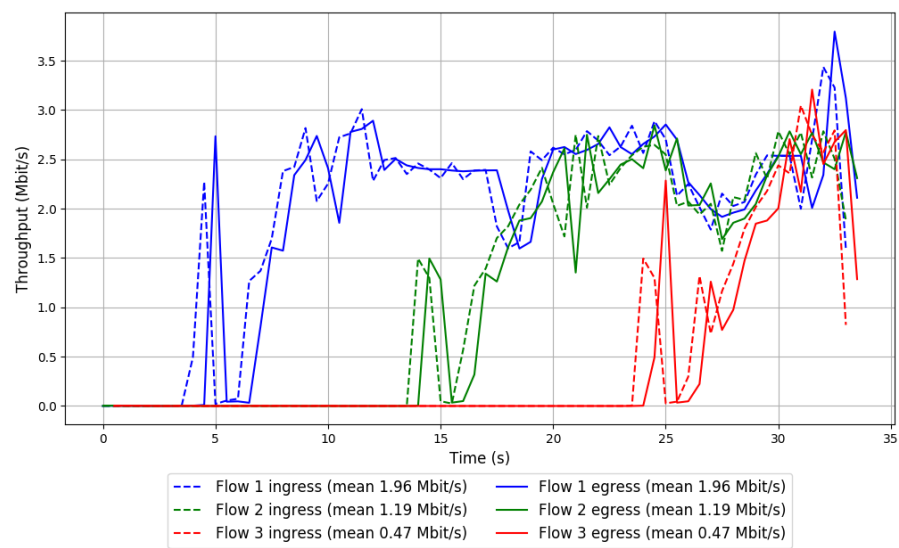


Run 4: Statistics of WebRTC media

Start at: 2018-06-05 09:38:26
End at: 2018-06-05 09:38:56
Local clock offset: 0.104 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.60 Mbit/s
95th percentile per-packet one-way delay: 86.572 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.584 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 86.556 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.340 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

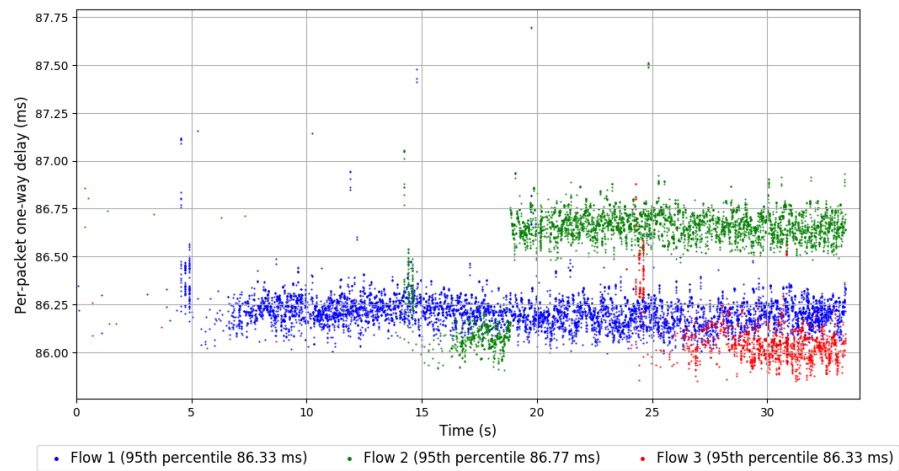
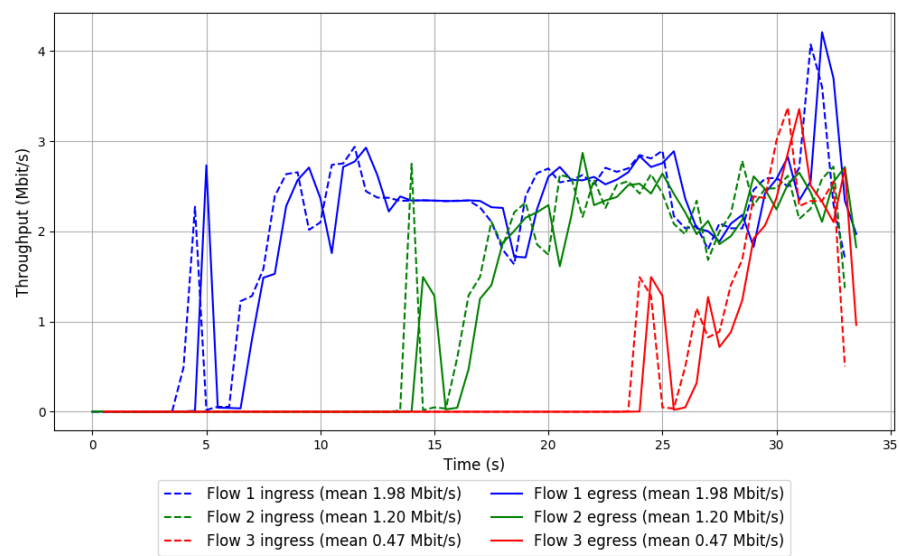


Run 5: Statistics of WebRTC media

Start at: 2018-06-05 10:02:16
End at: 2018-06-05 10:02:46
Local clock offset: -0.038 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 86.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.330 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

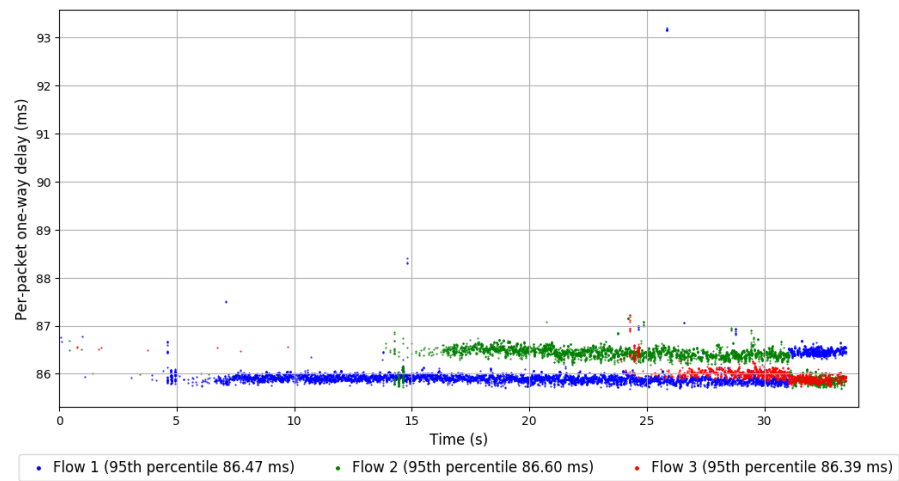
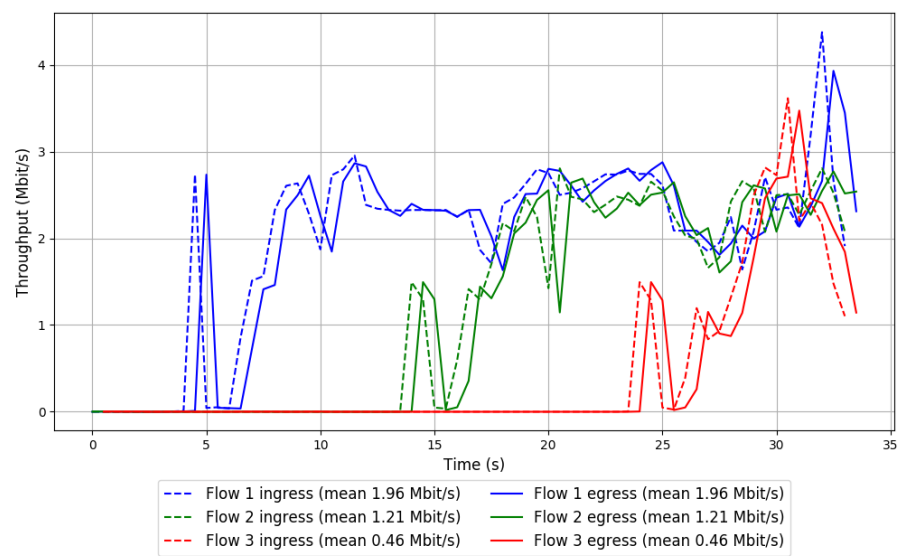


Run 6: Statistics of WebRTC media

Start at: 2018-06-05 10:26:04
End at: 2018-06-05 10:26:34
Local clock offset: 0.106 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.473 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.385 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

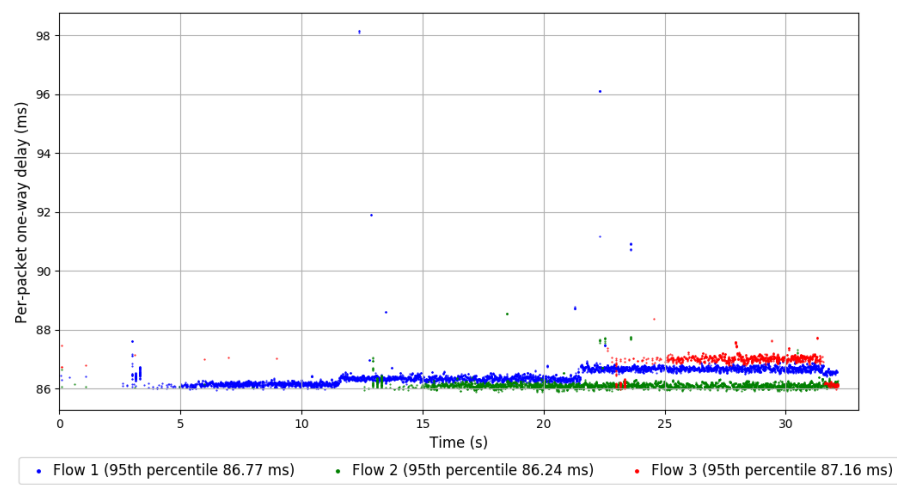
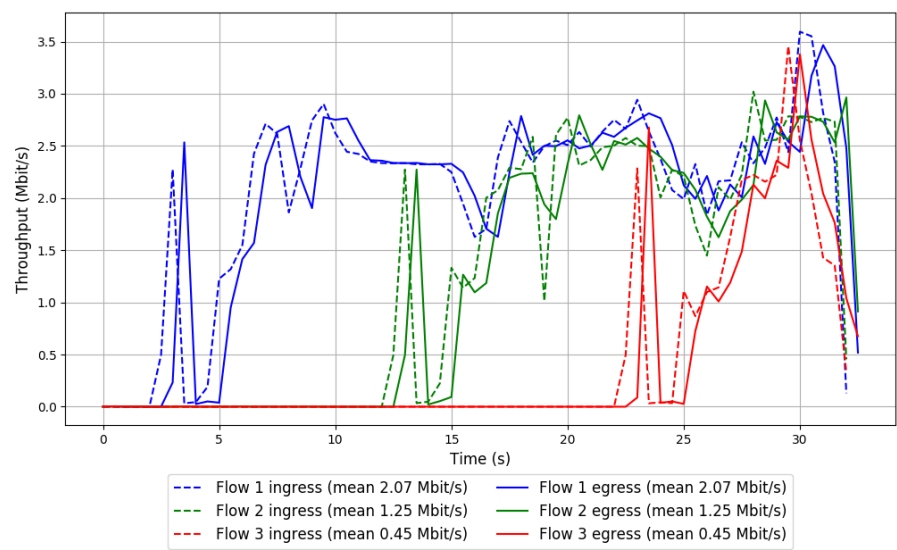


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 10:50:02
End at: 2018-06-05 10:50:32
Local clock offset: -0.124 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 87.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 86.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 86.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 87.161 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

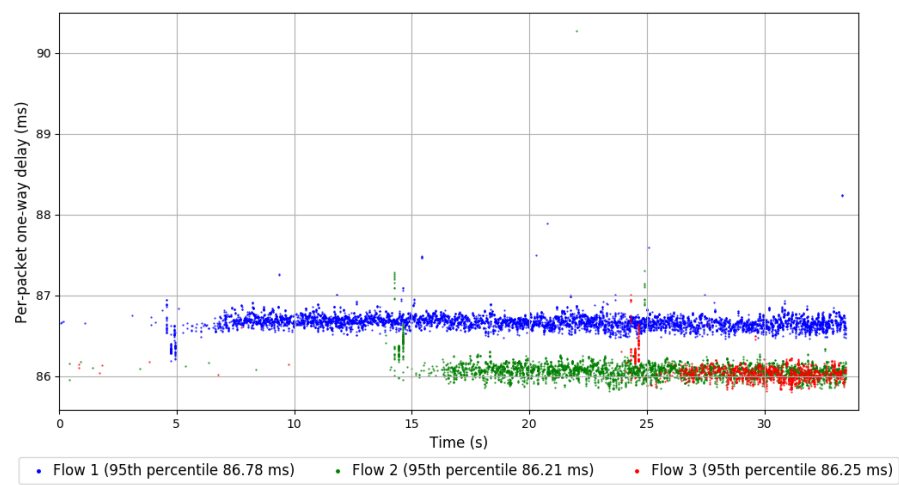
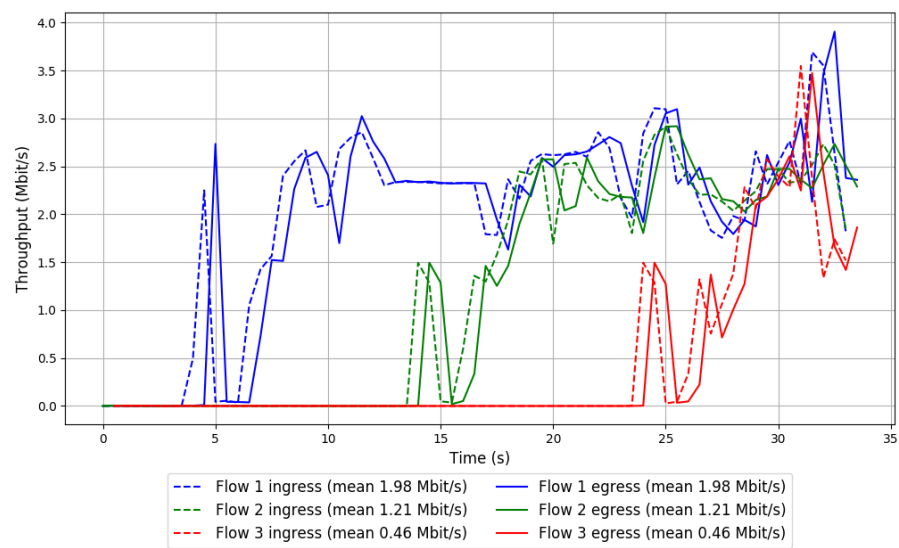


Run 8: Statistics of WebRTC media

Start at: 2018-06-05 11:13:46
End at: 2018-06-05 11:14:16
Local clock offset: -0.049 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 86.760 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.784 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 86.206 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.255 ms
Loss rate: 0.07%

Run 8: Report of WebRTC media — Data Link

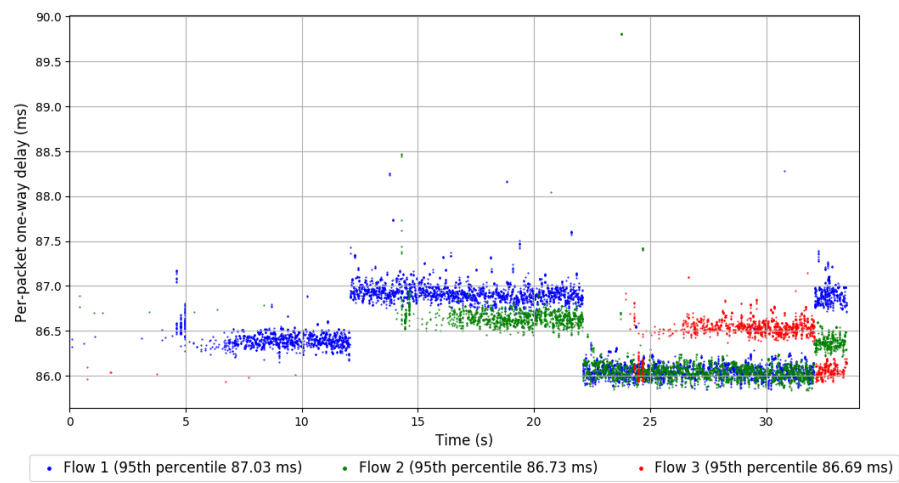
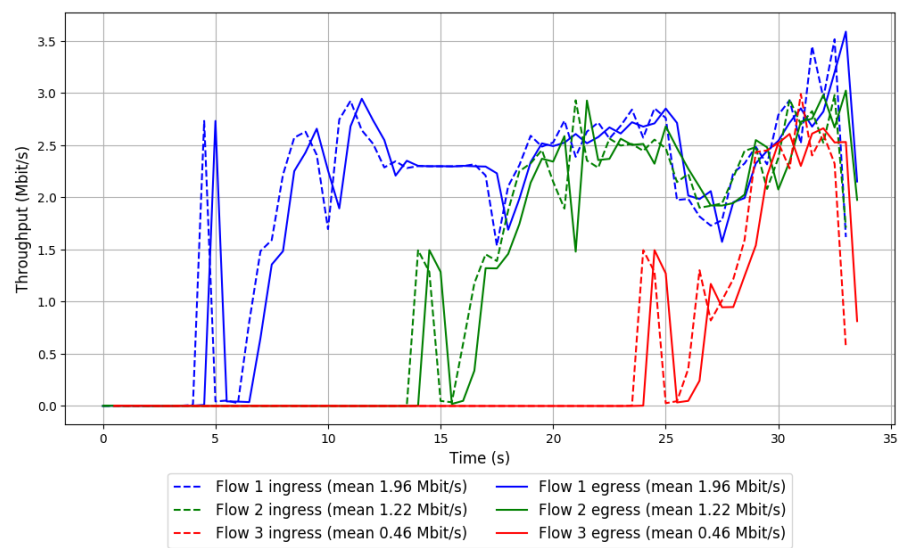


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 11:37:23
End at: 2018-06-05 11:37:53
Local clock offset: -0.066 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.61 Mbit/s
95th percentile per-packet one-way delay: 86.988 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 87.035 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.728 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 12:01:17
End at: 2018-06-05 12:01:47
Local clock offset: -0.163 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-06-05 14:25:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 86.673 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 86.387 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.583 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

