

Pantheon Report

Generated at 2018-05-24 11:08:22 (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.

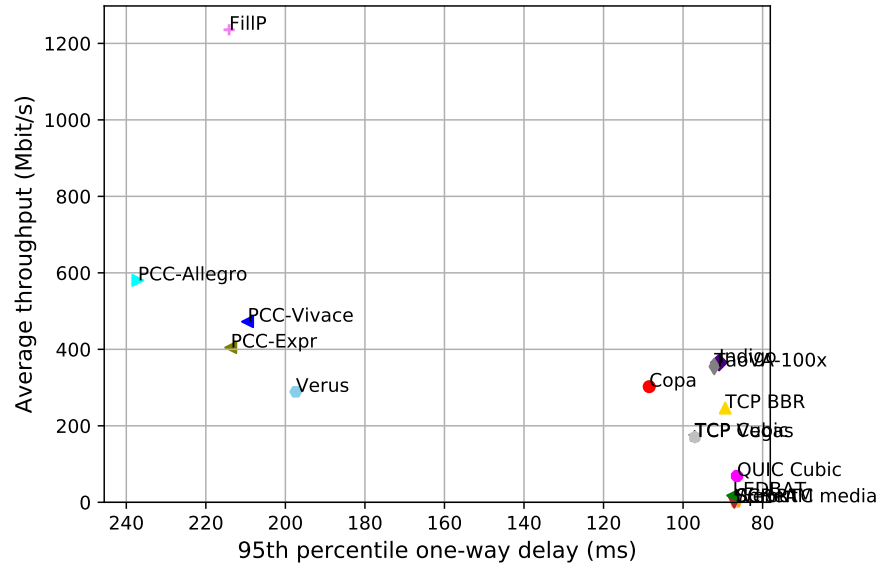
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

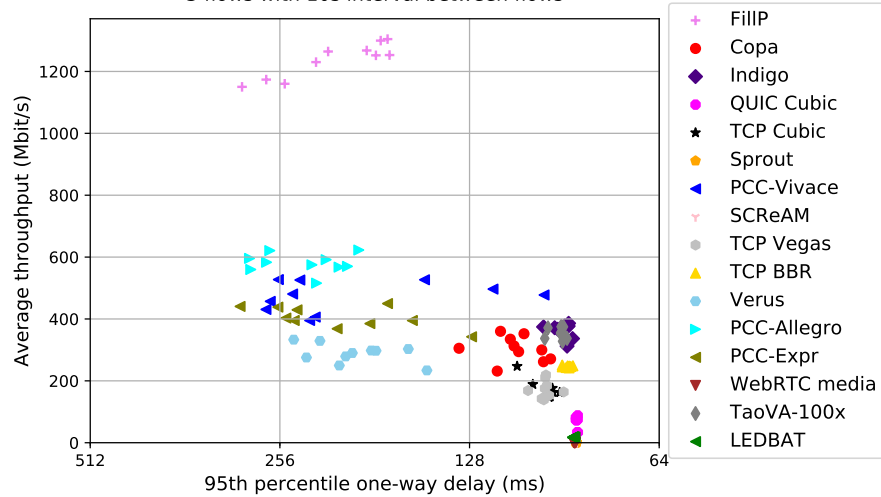
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/illp @ 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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
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



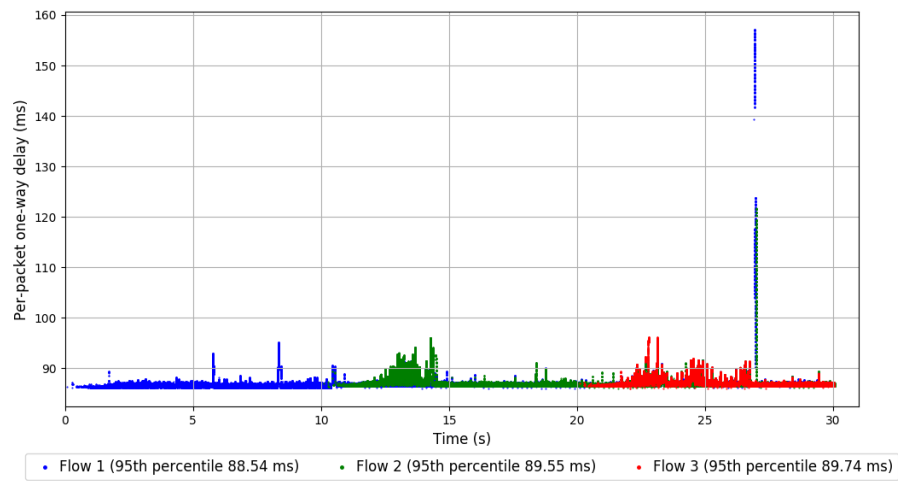
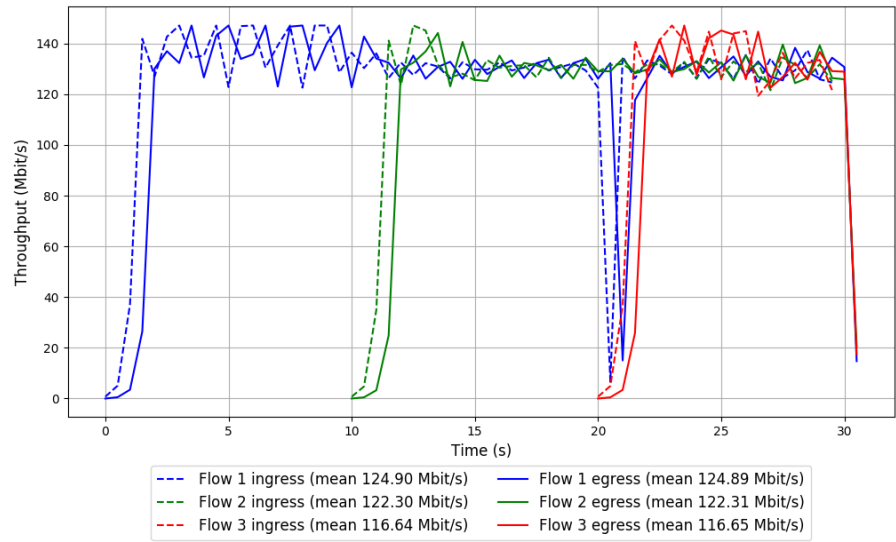
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	125.31	123.35	117.51	88.46	89.73	90.51	0.00	0.00	0.00
Copa	10	173.98	133.97	118.04	109.25	103.00	108.70	0.01	0.04	0.08
TCP Cubic	10	113.57	61.94	51.90	96.87	94.32	94.22	0.01	0.03	0.19
FillP	10	685.36	573.31	508.03	204.07	213.10	203.63	3.60	5.94	3.63
Indigo	10	191.67	183.03	161.98	90.13	91.57	92.36	0.01	0.02	0.04
LEDBAT	10	11.71	7.45	3.39	87.65	87.36	87.13	0.00	0.00	0.00
PCC-Allegro	10	516.16	76.60	40.13	237.72	195.91	181.05	3.95	1.76	1.95
PCC-Expr	10	245.41	171.01	138.01	228.86	157.08	145.37	3.71	1.59	1.11
QUIC Cubic	10	37.70	37.45	19.24	86.43	86.38	86.25	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.80	86.85	86.55	0.00	0.00	0.00
Sprout	10	0.27	0.26	0.31	86.72	86.67	86.57	0.00	0.00	0.00
TaoVA-100x	10	191.17	180.93	134.43	91.02	92.96	94.46	0.00	0.01	0.07
TCP Vegas	10	104.12	68.17	63.71	95.00	97.00	95.39	0.00	0.02	0.20
Verus	10	179.02	130.48	75.40	190.82	200.73	198.96	0.49	1.58	0.63
PCC-Vivace	10	288.70	214.08	124.98	206.62	151.13	121.95	0.88	0.54	0.01
WebRTC media	10	0.05	0.05	0.05	86.99	87.12	87.10	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-24 04:52:39
End at: 2018-05-24 04:53:09
Local clock offset: -0.06 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-24 09:02:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.02 Mbit/s
95th percentile per-packet one-way delay: 89.237 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.89 Mbit/s
95th percentile per-packet one-way delay: 88.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.31 Mbit/s
95th percentile per-packet one-way delay: 89.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 116.65 Mbit/s
95th percentile per-packet one-way delay: 89.738 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

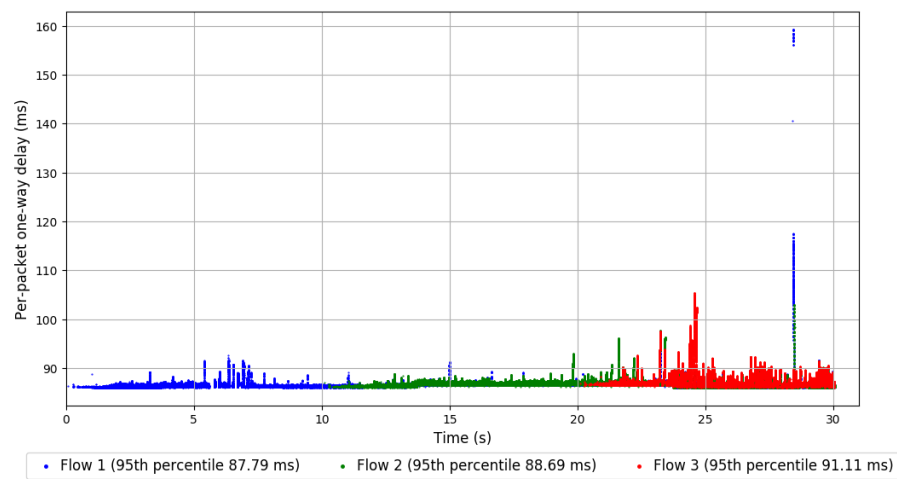
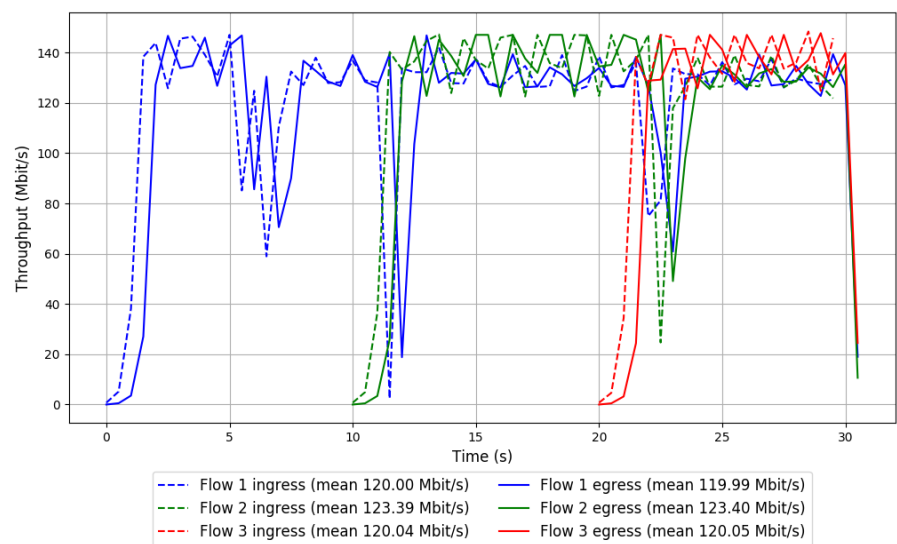


Run 2: Statistics of TCP BBR

Start at: 2018-05-24 05:16:46
End at: 2018-05-24 05:17:16
Local clock offset: -0.036 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-24 09:02:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.01 Mbit/s
95th percentile per-packet one-way delay: 88.968 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 119.99 Mbit/s
95th percentile per-packet one-way delay: 87.792 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 123.40 Mbit/s
95th percentile per-packet one-way delay: 88.685 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.05 Mbit/s
95th percentile per-packet one-way delay: 91.115 ms
Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-05-24 05:40:45

End at: 2018-05-24 05:41:15

Local clock offset: -0.171 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-24 09:03:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 246.83 Mbit/s

95th percentile per-packet one-way delay: 88.998 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.84 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 118.98 Mbit/s

95th percentile per-packet one-way delay: 88.947 ms

Loss rate: 0.00%

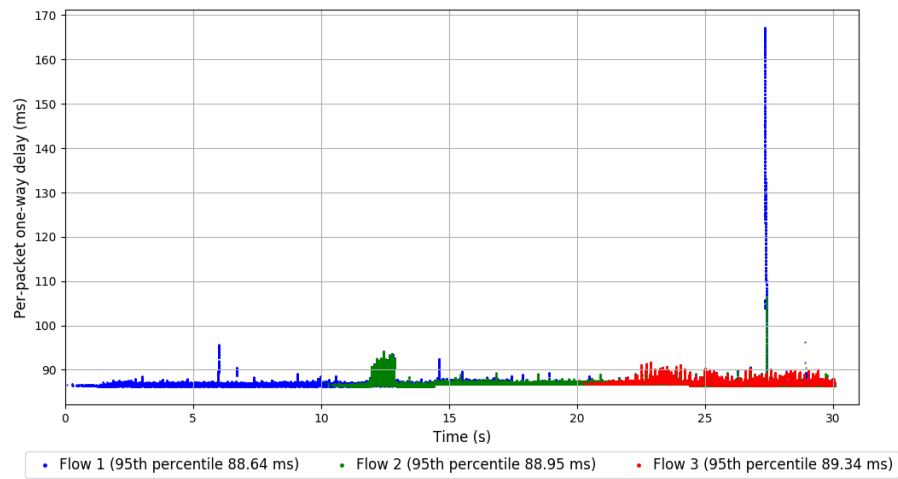
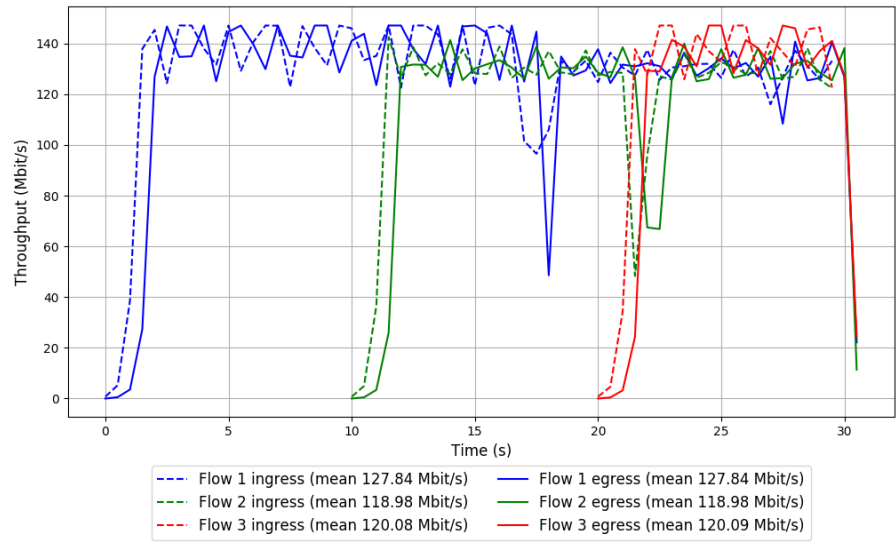
-- Flow 3:

Average throughput: 120.09 Mbit/s

95th percentile per-packet one-way delay: 89.339 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-24 06:04:54

End at: 2018-05-24 06:05:24

Local clock offset: 0.032 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-24 09:03:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.08 Mbit/s

95th percentile per-packet one-way delay: 89.905 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 125.72 Mbit/s

95th percentile per-packet one-way delay: 89.099 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.10 Mbit/s

95th percentile per-packet one-way delay: 89.195 ms

Loss rate: 0.00%

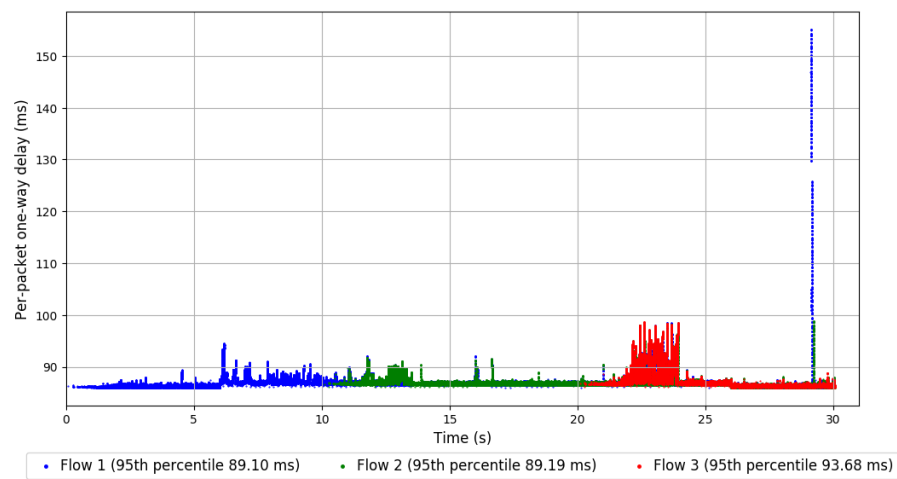
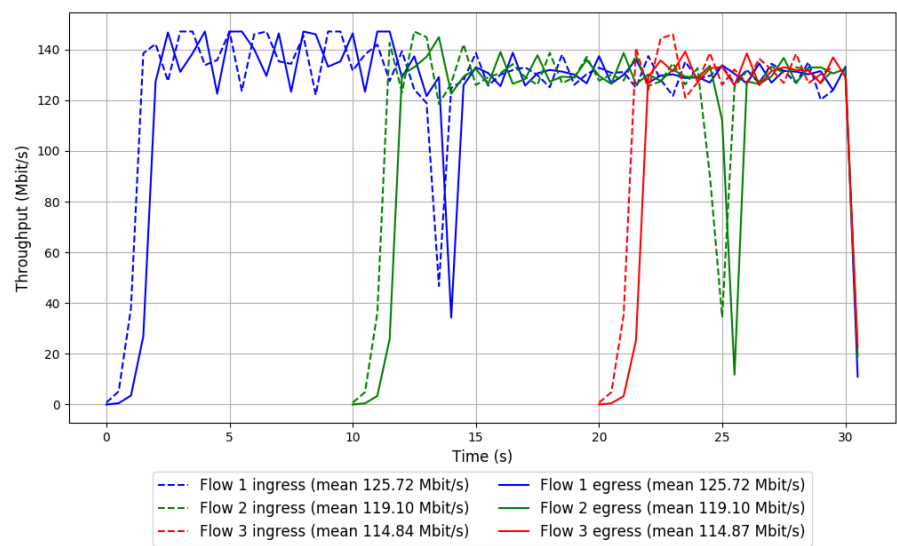
-- Flow 3:

Average throughput: 114.87 Mbit/s

95th percentile per-packet one-way delay: 93.682 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

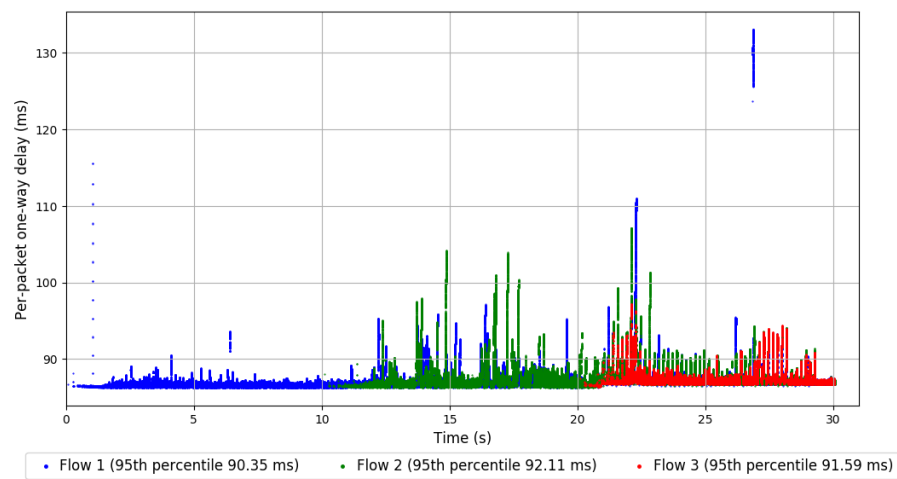
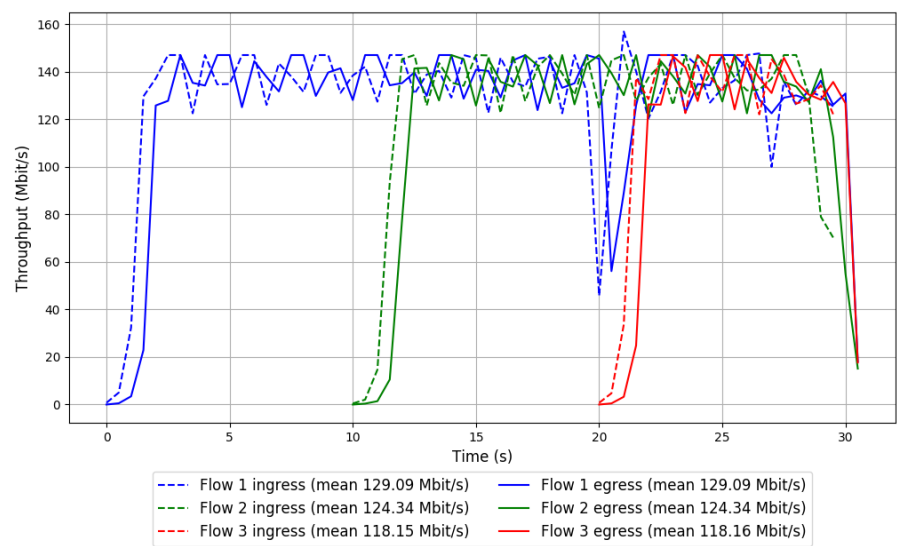


Run 5: Statistics of TCP BBR

Start at: 2018-05-24 06:28:59
End at: 2018-05-24 06:29:29
Local clock offset: -0.247 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-05-24 09:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 251.11 Mbit/s
95th percentile per-packet one-way delay: 91.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.09 Mbit/s
95th percentile per-packet one-way delay: 90.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.34 Mbit/s
95th percentile per-packet one-way delay: 92.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.16 Mbit/s
95th percentile per-packet one-way delay: 91.594 ms
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

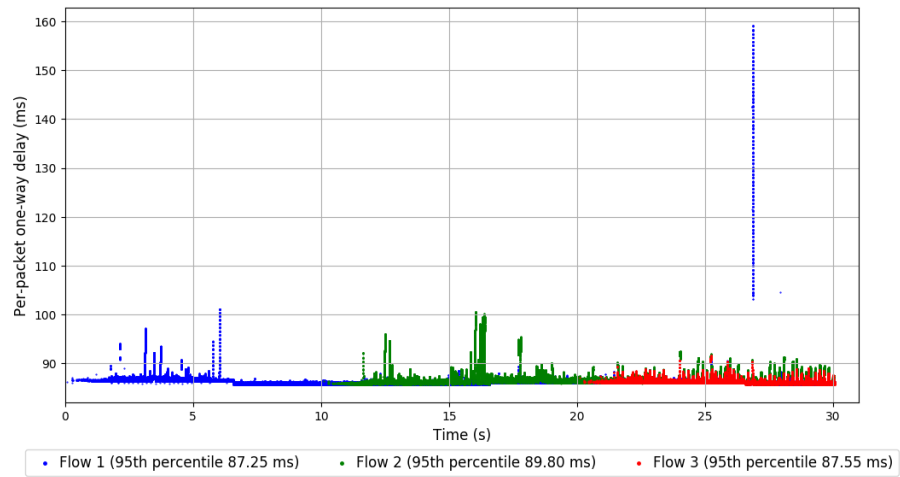
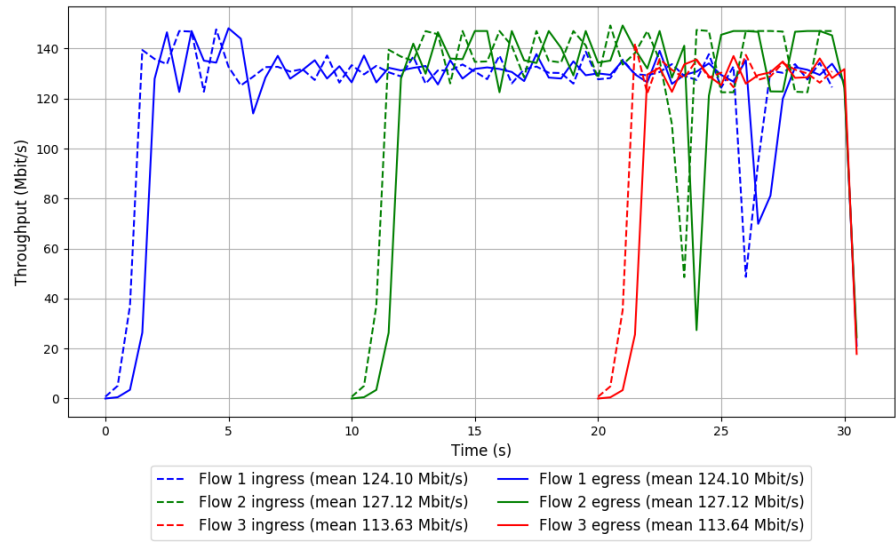


Run 6: Statistics of TCP BBR

Start at: 2018-05-24 06:53:03
End at: 2018-05-24 06:53:33
Local clock offset: 0.129 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-05-24 09:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 246.40 Mbit/s
95th percentile per-packet one-way delay: 88.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.10 Mbit/s
95th percentile per-packet one-way delay: 87.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 127.12 Mbit/s
95th percentile per-packet one-way delay: 89.803 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.64 Mbit/s
95th percentile per-packet one-way delay: 87.553 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

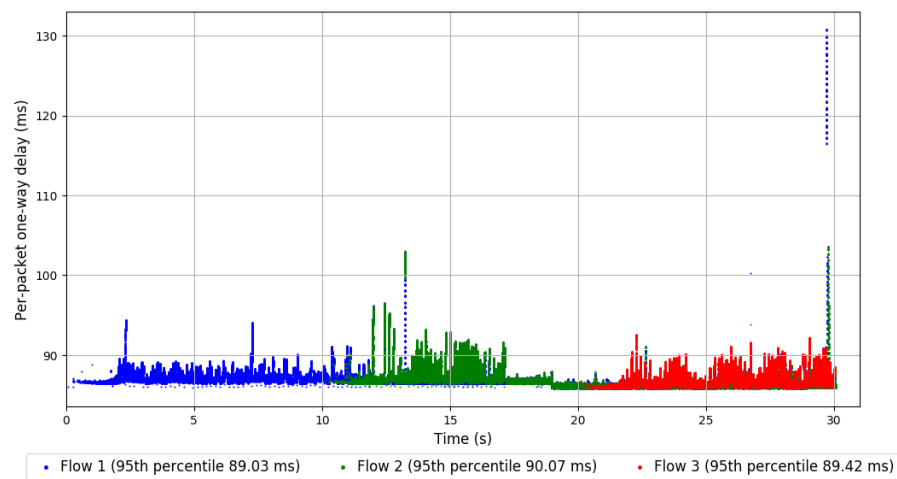
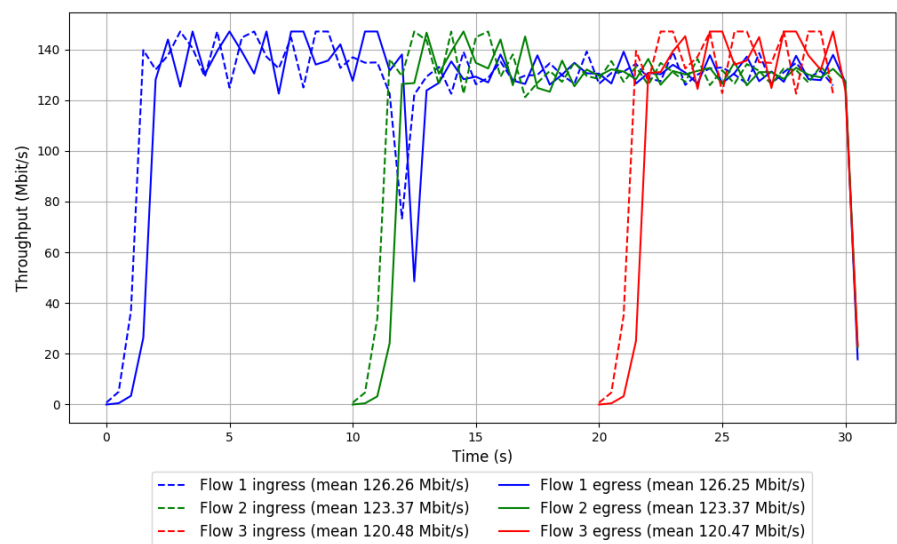


Run 7: Statistics of TCP BBR

Start at: 2018-05-24 07:17:11
End at: 2018-05-24 07:17:41
Local clock offset: 0.017 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-05-24 09:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.22 Mbit/s
95th percentile per-packet one-way delay: 89.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.25 Mbit/s
95th percentile per-packet one-way delay: 89.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.37 Mbit/s
95th percentile per-packet one-way delay: 90.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.47 Mbit/s
95th percentile per-packet one-way delay: 89.420 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

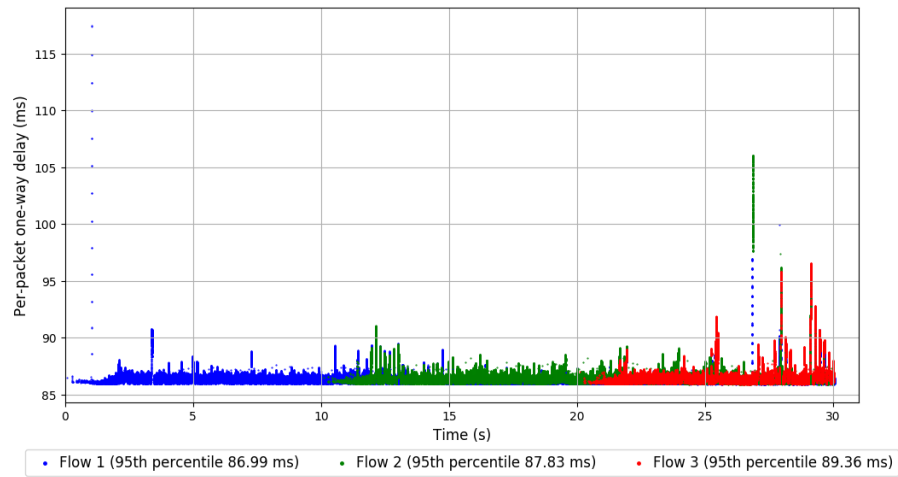
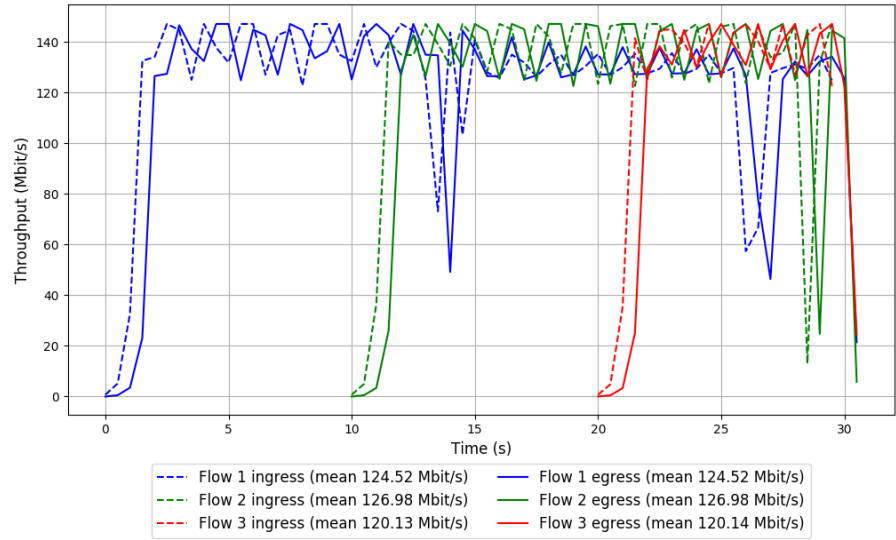


Run 8: Statistics of TCP BBR

Start at: 2018-05-24 07:41:25
End at: 2018-05-24 07:41:55
Local clock offset: -0.028 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-24 09:03:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.68 Mbit/s
95th percentile per-packet one-way delay: 87.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.52 Mbit/s
95th percentile per-packet one-way delay: 86.992 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.98 Mbit/s
95th percentile per-packet one-way delay: 87.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.14 Mbit/s
95th percentile per-packet one-way delay: 89.361 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-24 08:05:30

End at: 2018-05-24 08:06:00

Local clock offset: 0.391 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-05-24 09:06:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.22 Mbit/s

95th percentile per-packet one-way delay: 91.192 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 124.88 Mbit/s

95th percentile per-packet one-way delay: 89.466 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 123.71 Mbit/s

95th percentile per-packet one-way delay: 91.783 ms

Loss rate: 0.00%

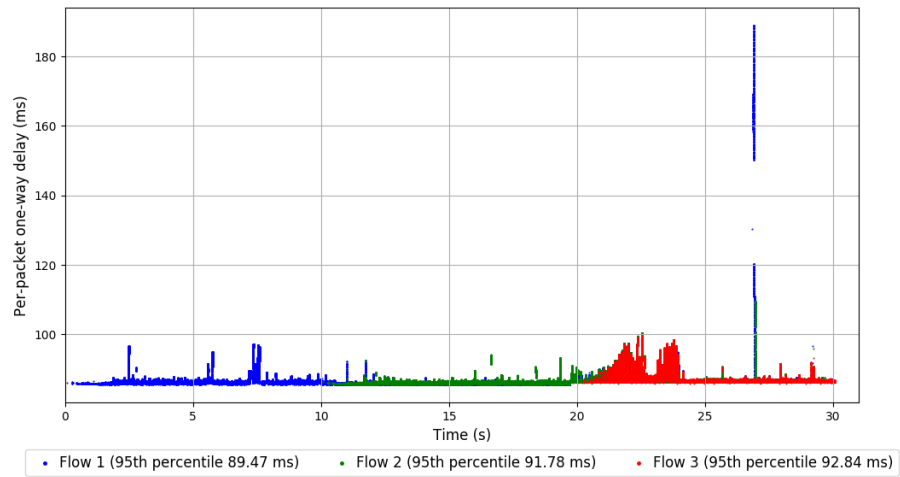
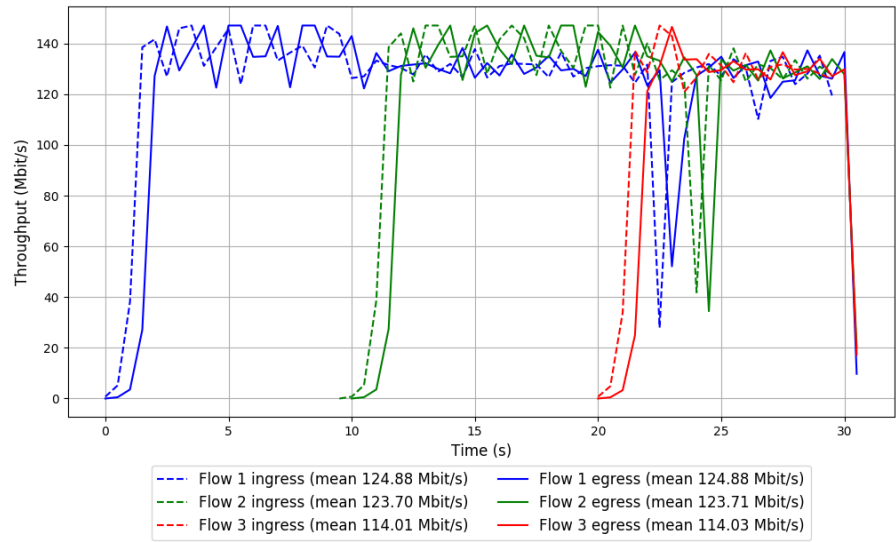
-- Flow 3:

Average throughput: 114.03 Mbit/s

95th percentile per-packet one-way delay: 92.842 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-24 08:29:38

End at: 2018-05-24 08:30:08

Local clock offset: -0.047 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-05-24 09:06:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.48 Mbit/s

95th percentile per-packet one-way delay: 88.891 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 125.84 Mbit/s

95th percentile per-packet one-way delay: 87.426 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 124.24 Mbit/s

95th percentile per-packet one-way delay: 89.364 ms

Loss rate: 0.00%

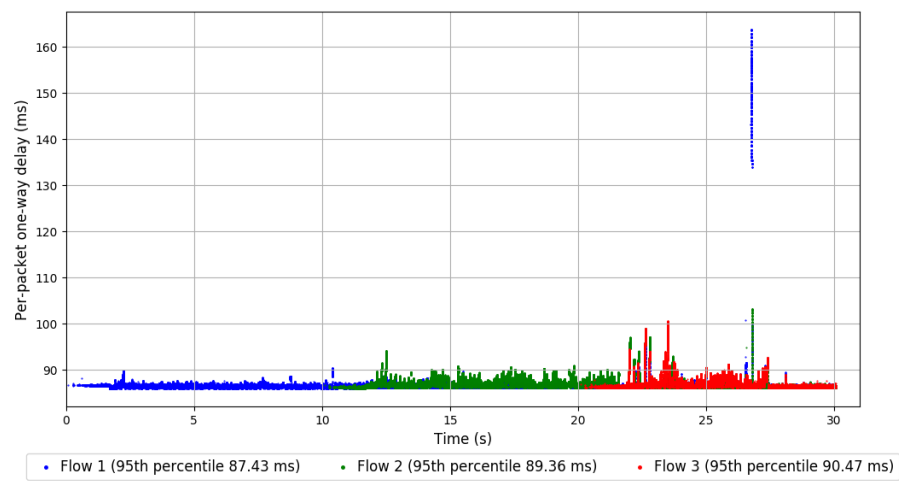
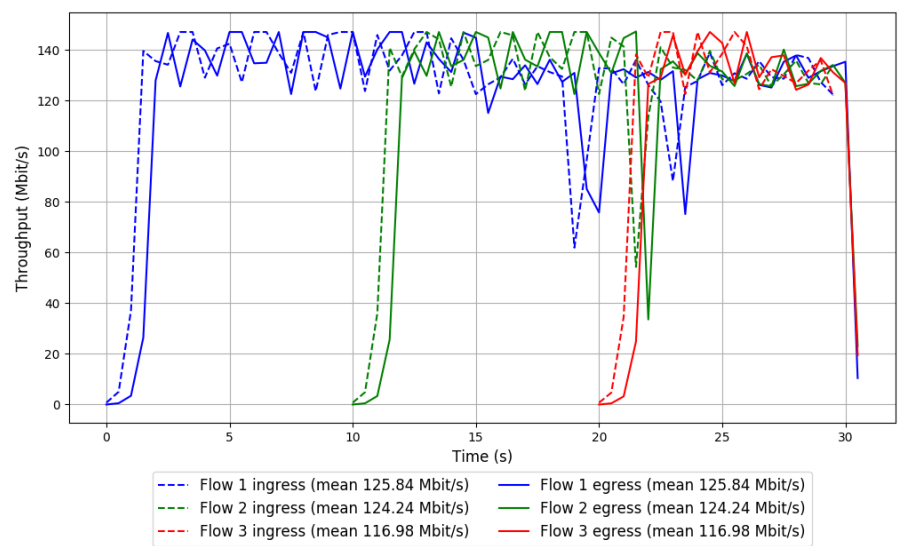
-- Flow 3:

Average throughput: 116.98 Mbit/s

95th percentile per-packet one-way delay: 90.468 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

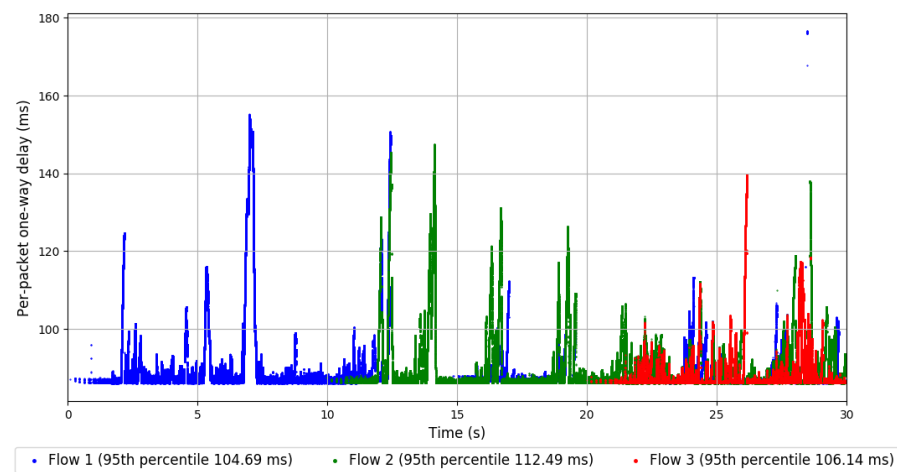
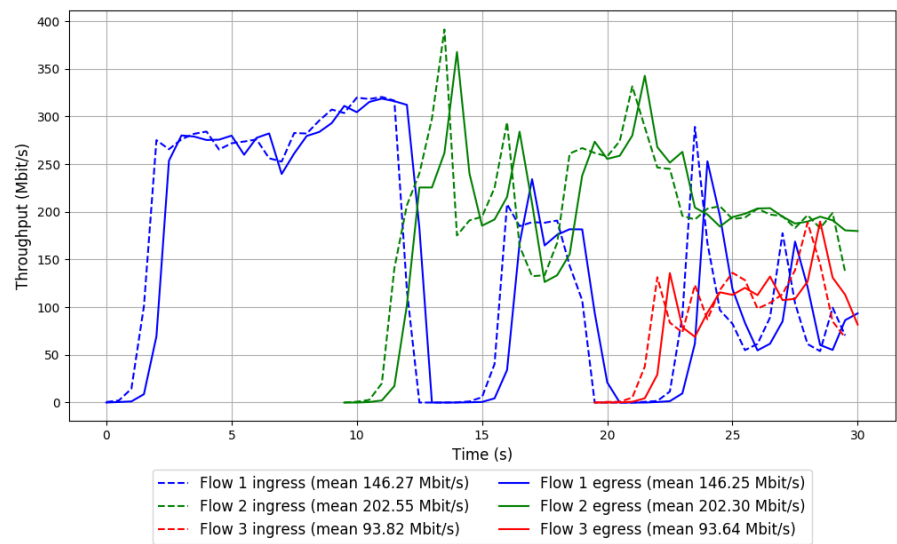


Run 1: Statistics of Copa

Start at: 2018-05-24 04:43:18
End at: 2018-05-24 04:43:48
Local clock offset: -0.161 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-24 09:12:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.79 Mbit/s
95th percentile per-packet one-way delay: 108.783 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 146.25 Mbit/s
95th percentile per-packet one-way delay: 104.695 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 202.30 Mbit/s
95th percentile per-packet one-way delay: 112.489 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 93.64 Mbit/s
95th percentile per-packet one-way delay: 106.145 ms
Loss rate: 0.20%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-24 05:07:19

End at: 2018-05-24 05:07:49

Local clock offset: -0.234 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-24 09:12:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 294.39 Mbit/s

95th percentile per-packet one-way delay: 106.980 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 183.22 Mbit/s

95th percentile per-packet one-way delay: 104.223 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 118.91 Mbit/s

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

Loss rate: 0.01%

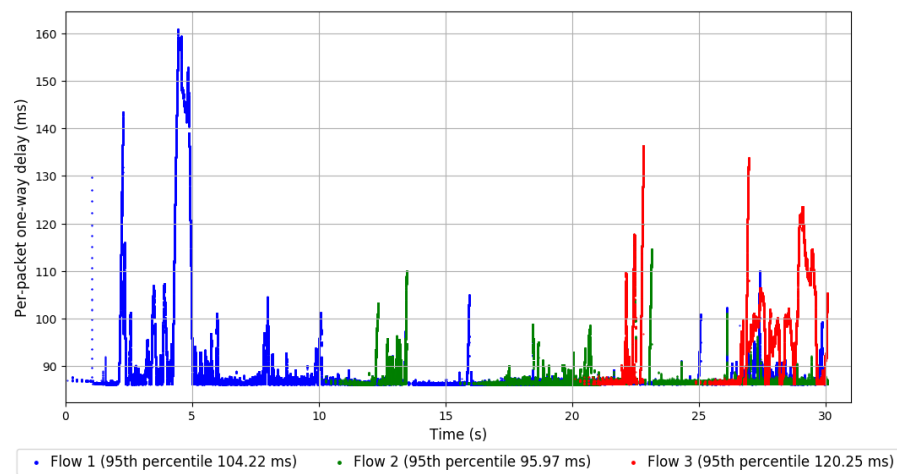
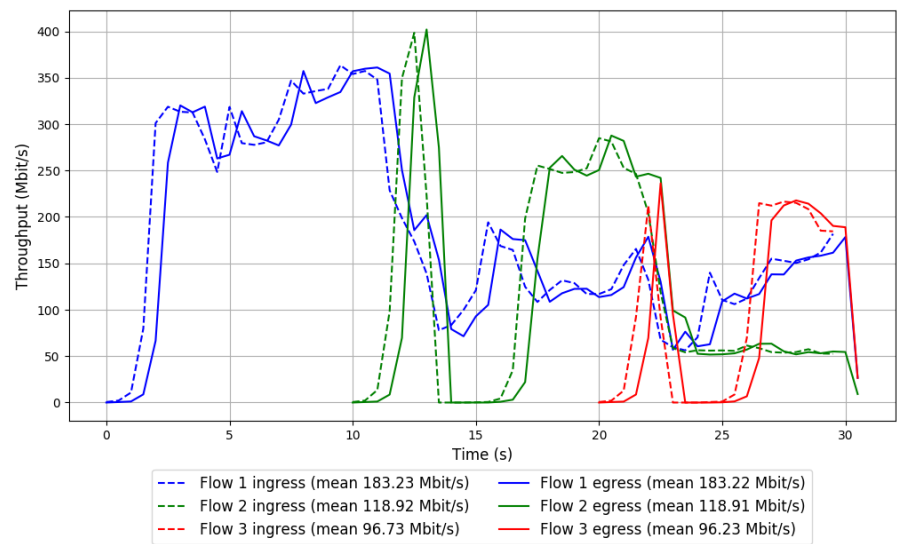
-- Flow 3:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 120.250 ms

Loss rate: 0.52%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-05-24 05:31:21

End at: 2018-05-24 05:31:51

Local clock offset: -0.12 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-05-24 09:12:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 334.62 Mbit/s

95th percentile per-packet one-way delay: 110.274 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 176.64 Mbit/s

95th percentile per-packet one-way delay: 114.970 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.38 Mbit/s

95th percentile per-packet one-way delay: 96.194 ms

Loss rate: 0.00%

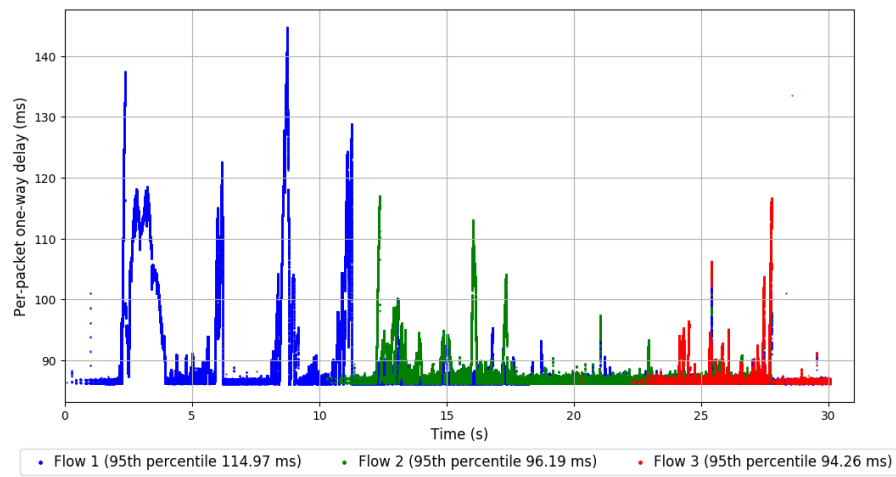
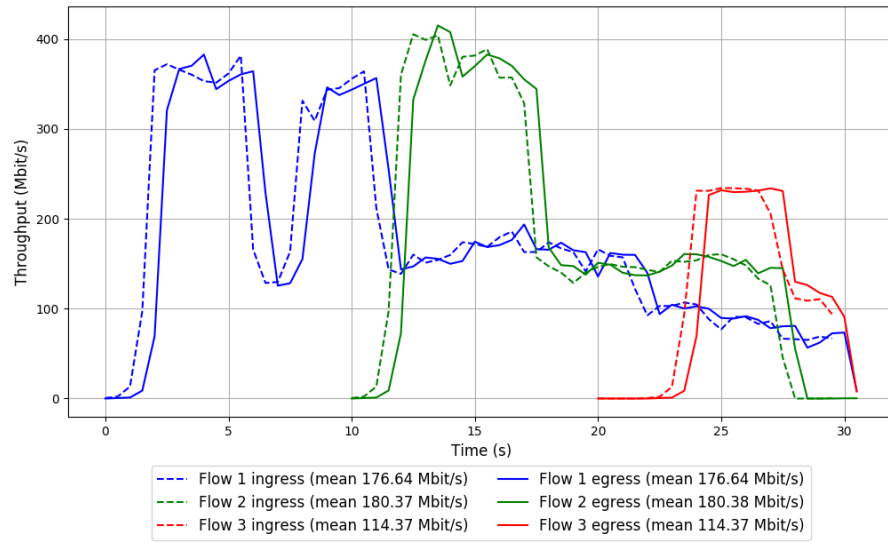
-- Flow 3:

Average throughput: 114.37 Mbit/s

95th percentile per-packet one-way delay: 94.258 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link

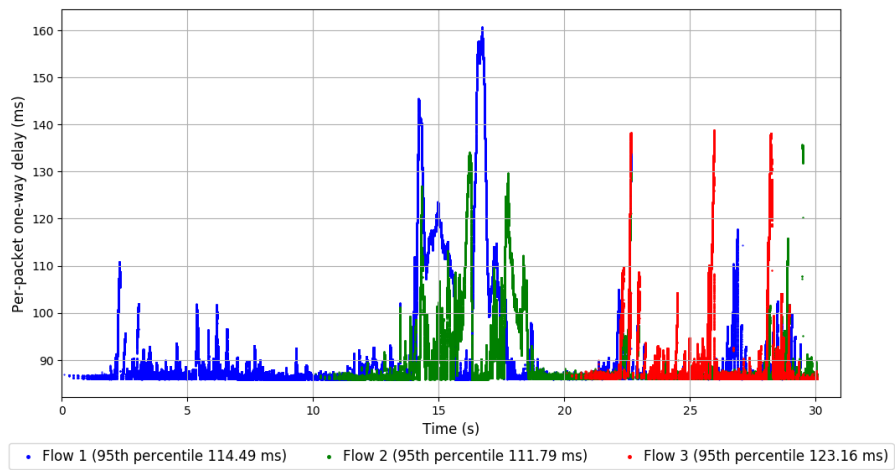
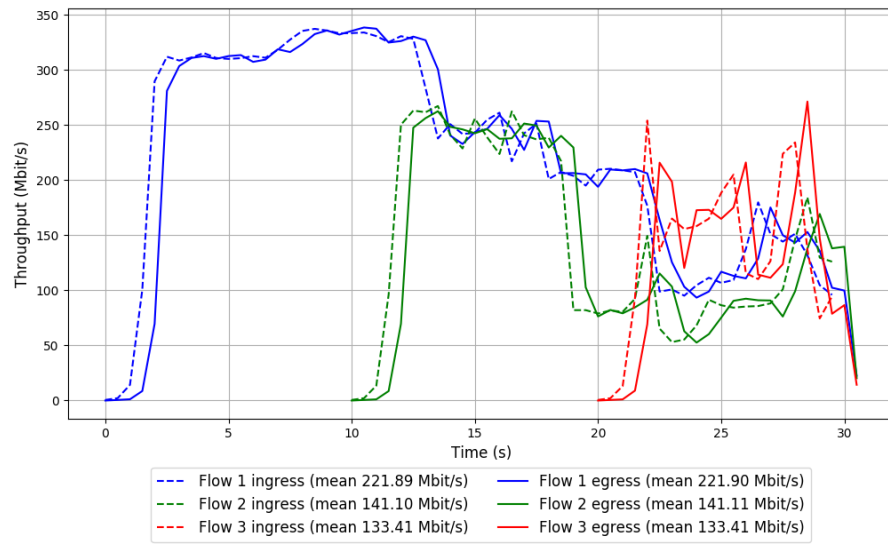


Run 4: Statistics of Copa

Start at: 2018-05-24 05:55:23
End at: 2018-05-24 05:55:53
Local clock offset: 0.111 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-24 09:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.12 Mbit/s
95th percentile per-packet one-way delay: 114.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 221.90 Mbit/s
95th percentile per-packet one-way delay: 114.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 141.11 Mbit/s
95th percentile per-packet one-way delay: 111.794 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.41 Mbit/s
95th percentile per-packet one-way delay: 123.156 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

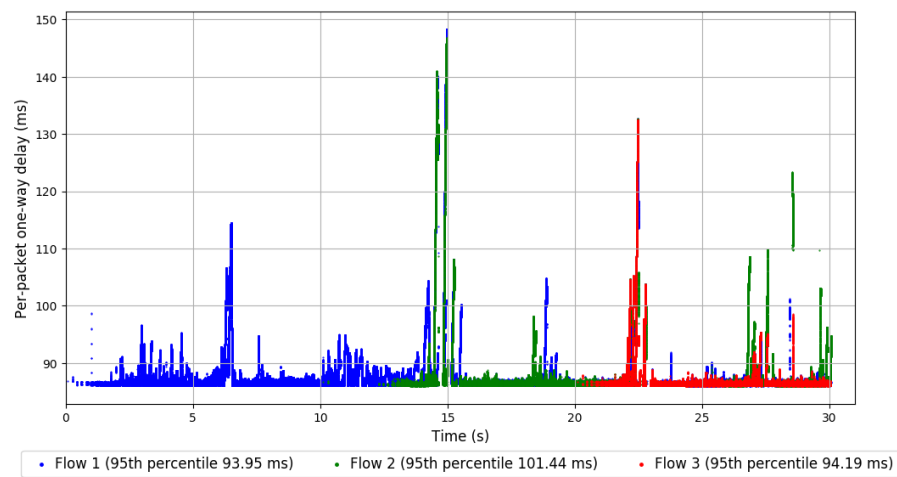
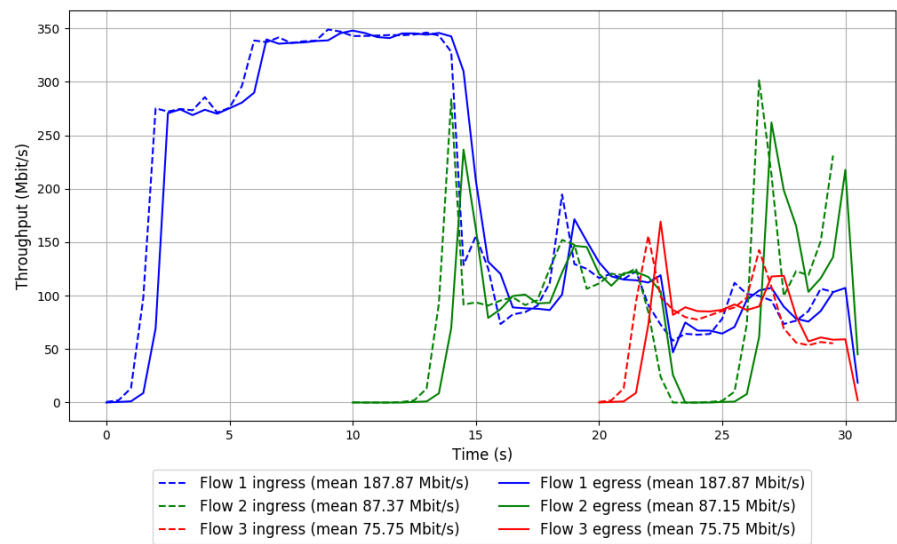


Run 5: Statistics of Copa

Start at: 2018-05-24 06:19:35
End at: 2018-05-24 06:20:05
Local clock offset: -0.006 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-24 09:13:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.97 Mbit/s
95th percentile per-packet one-way delay: 95.185 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 187.87 Mbit/s
95th percentile per-packet one-way delay: 93.948 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 87.15 Mbit/s
95th percentile per-packet one-way delay: 101.435 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 75.75 Mbit/s
95th percentile per-packet one-way delay: 94.187 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-24 06:43:44

End at: 2018-05-24 06:44:14

Local clock offset: -0.303 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 09:13:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.59 Mbit/s

95th percentile per-packet one-way delay: 115.681 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 107.63 Mbit/s

95th percentile per-packet one-way delay: 107.283 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 111.99 Mbit/s

95th percentile per-packet one-way delay: 104.435 ms

Loss rate: 0.00%

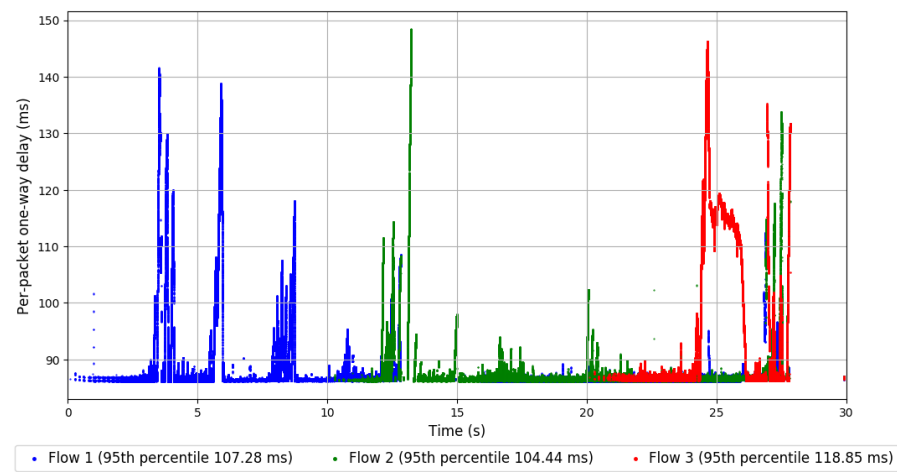
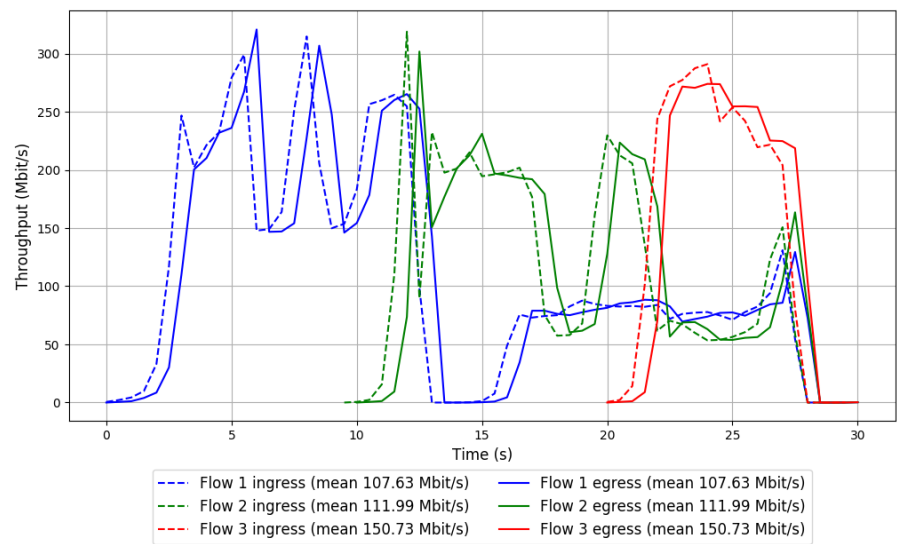
-- Flow 3:

Average throughput: 150.73 Mbit/s

95th percentile per-packet one-way delay: 118.849 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

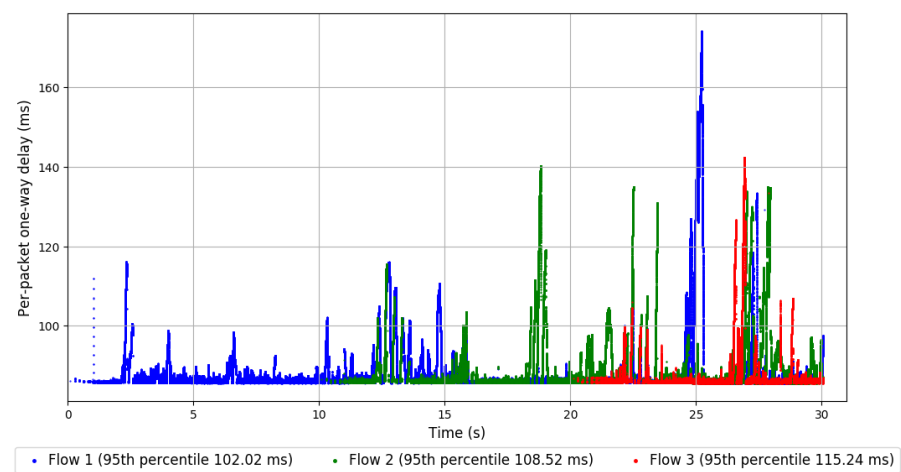
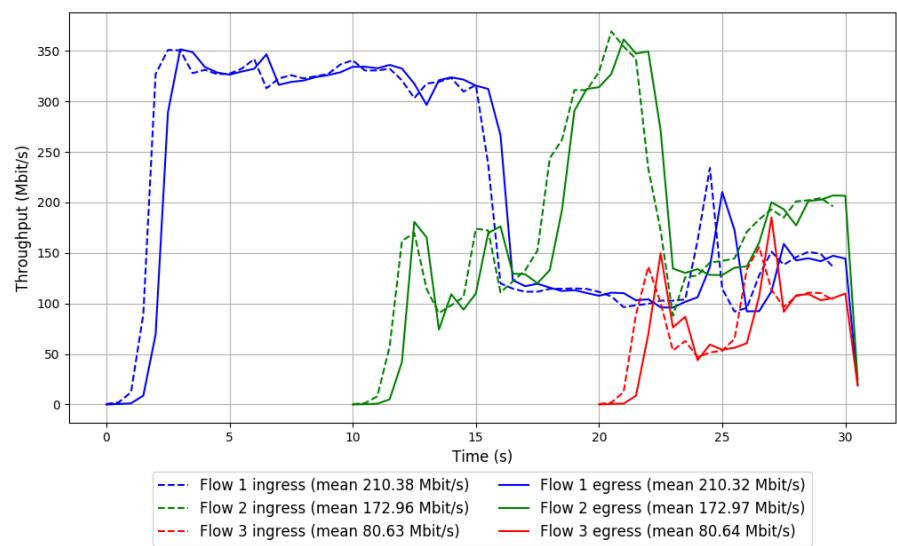


Run 7: Statistics of Copa

Start at: 2018-05-24 07:07:45
End at: 2018-05-24 07:08:15
Local clock offset: 0.258 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 09:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.30 Mbit/s
95th percentile per-packet one-way delay: 104.903 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 210.32 Mbit/s
95th percentile per-packet one-way delay: 102.018 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 172.97 Mbit/s
95th percentile per-packet one-way delay: 108.517 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 115.241 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

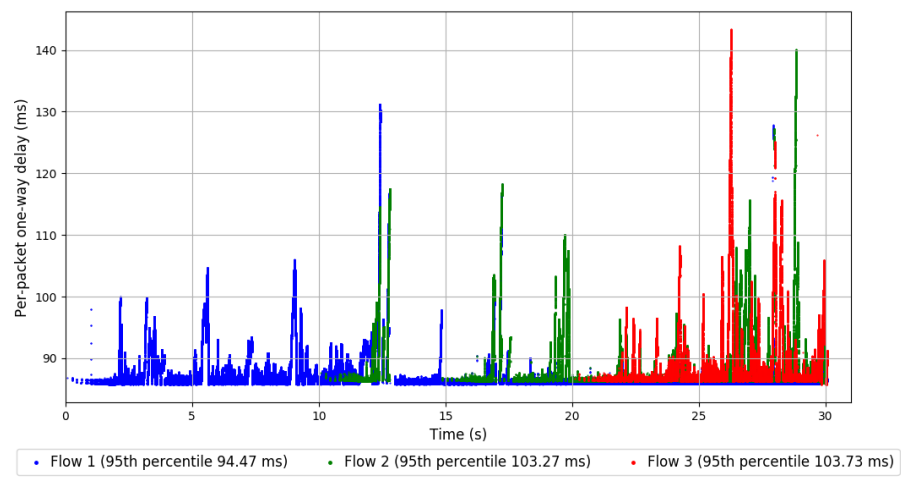
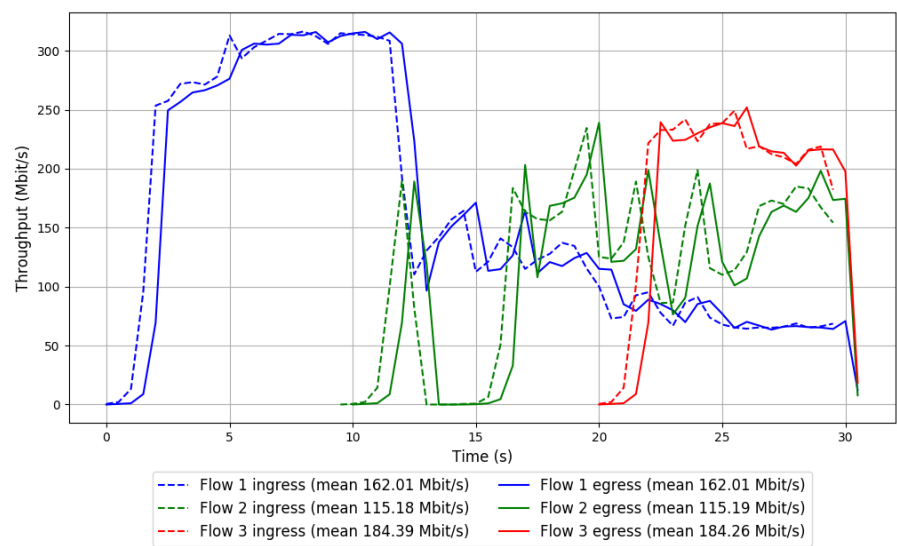


Run 8: Statistics of Copa

Start at: 2018-05-24 07:32:00
End at: 2018-05-24 07:32:30
Local clock offset: 0.126 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 09:18:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.96 Mbit/s
95th percentile per-packet one-way delay: 98.302 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 162.01 Mbit/s
95th percentile per-packet one-way delay: 94.466 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 115.19 Mbit/s
95th percentile per-packet one-way delay: 103.271 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 184.26 Mbit/s
95th percentile per-packet one-way delay: 103.733 ms
Loss rate: 0.07%

Run 8: Report of Copa — Data Link

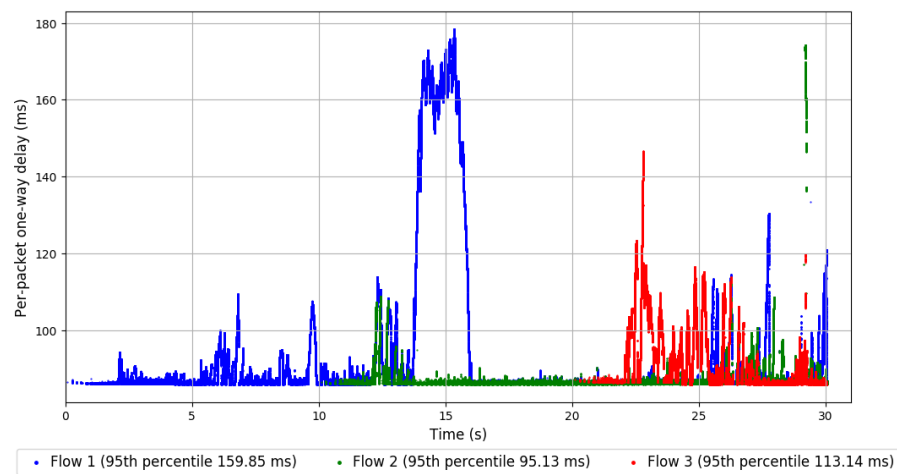
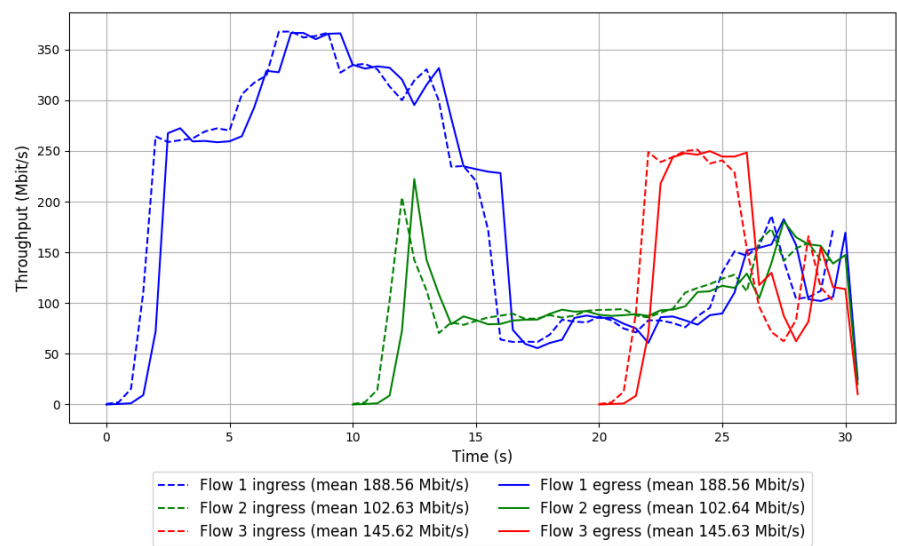


Run 9: Statistics of Copa

Start at: 2018-05-24 07:56:05
End at: 2018-05-24 07:56:35
Local clock offset: -0.083 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-24 09:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.25 Mbit/s
95th percentile per-packet one-way delay: 133.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.56 Mbit/s
95th percentile per-packet one-way delay: 159.850 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 102.64 Mbit/s
95th percentile per-packet one-way delay: 95.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.63 Mbit/s
95th percentile per-packet one-way delay: 113.139 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-24 08:20:24

End at: 2018-05-24 08:20:54

Local clock offset: 0.264 ms

Remote clock offset: 0.125 ms

Below is generated by plot.py at 2018-05-24 09:20:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 261.79 Mbit/s

95th percentile per-packet one-way delay: 97.697 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 155.38 Mbit/s

95th percentile per-packet one-way delay: 96.554 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 100.750 ms

Loss rate: 0.00%

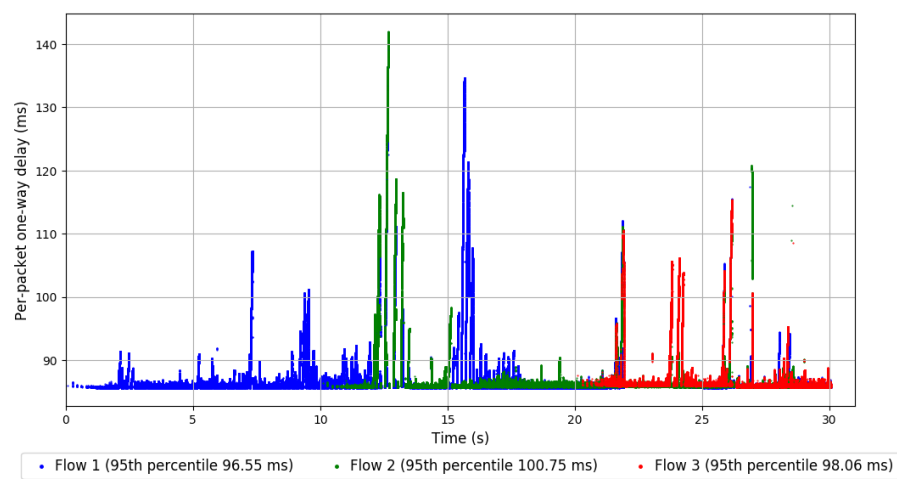
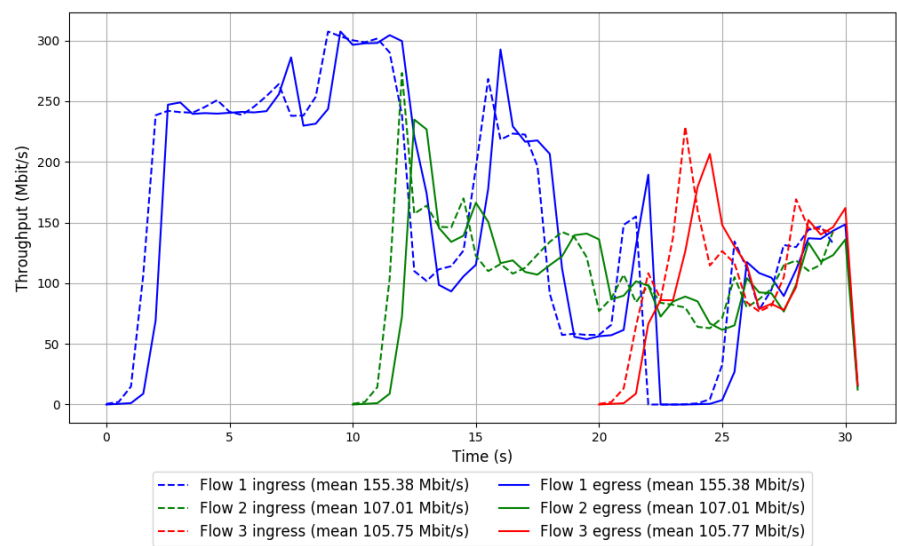
-- Flow 3:

Average throughput: 105.77 Mbit/s

95th percentile per-packet one-way delay: 98.055 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

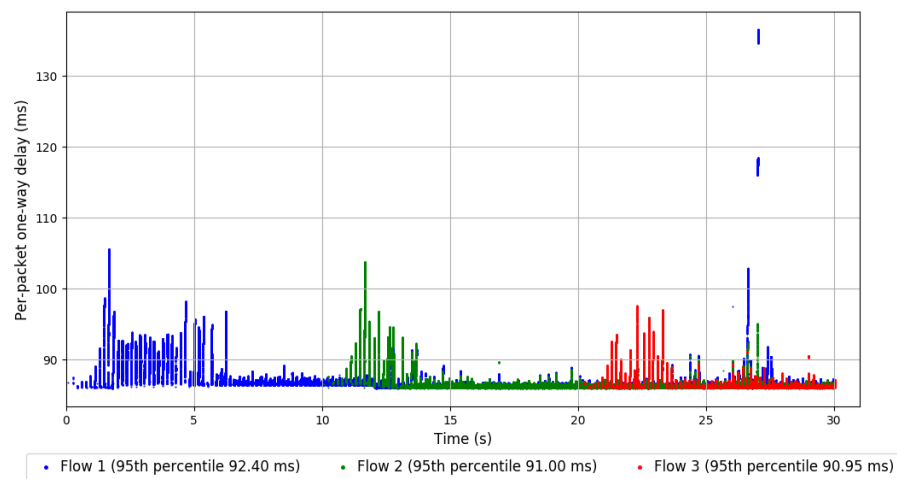
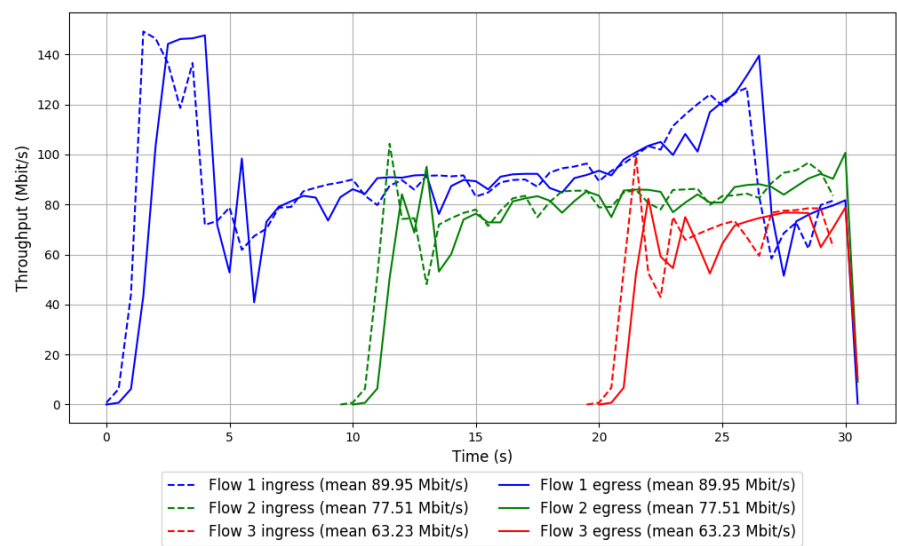


Run 1: Statistics of TCP Cubic

Start at: 2018-05-24 04:41:58
End at: 2018-05-24 04:42:28
Local clock offset: 0.031 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-24 09:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.59 Mbit/s
95th percentile per-packet one-way delay: 92.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 92.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: 91.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 90.949 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

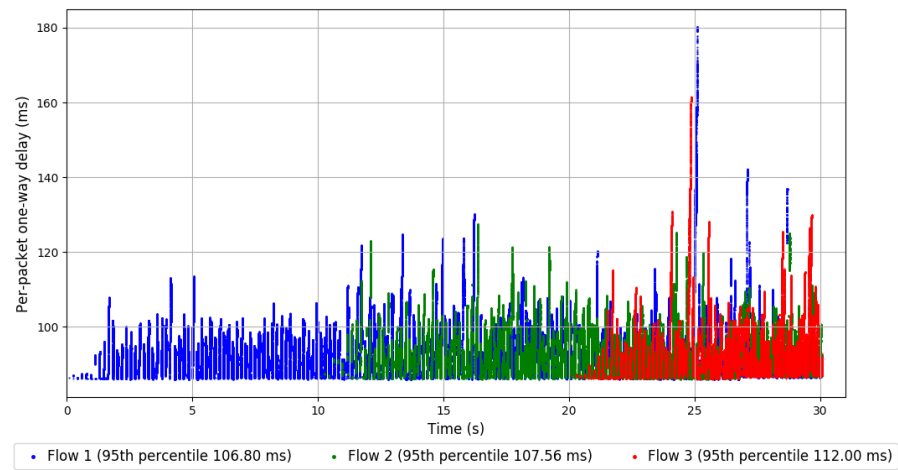
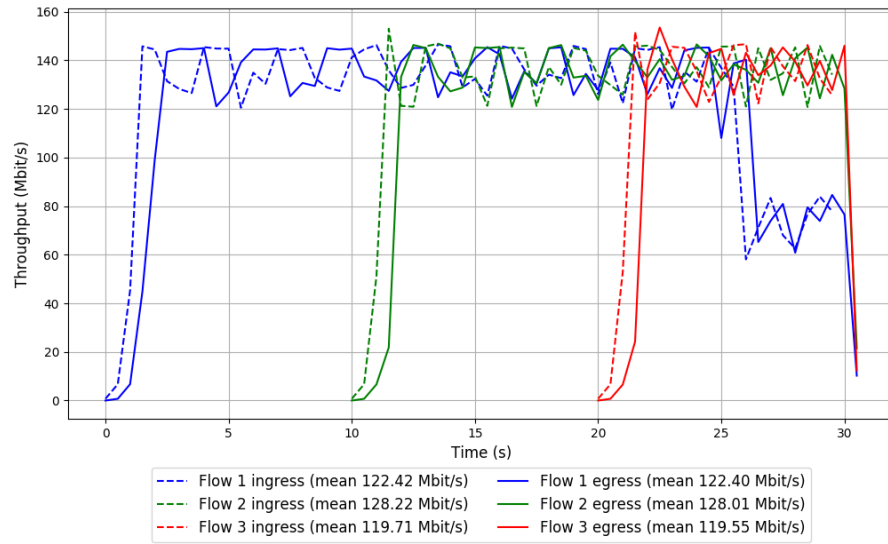


Run 2: Statistics of TCP Cubic

Start at: 2018-05-24 05:05:53
End at: 2018-05-24 05:06:23
Local clock offset: 0.075 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-24 09:20:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.22 Mbit/s
95th percentile per-packet one-way delay: 107.559 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 122.40 Mbit/s
95th percentile per-packet one-way delay: 106.800 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.01 Mbit/s
95th percentile per-packet one-way delay: 107.560 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 119.55 Mbit/s
95th percentile per-packet one-way delay: 111.995 ms
Loss rate: 0.12%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-24 05:30:01

End at: 2018-05-24 05:30:31

Local clock offset: 0.096 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-24 09:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.87 Mbit/s

95th percentile per-packet one-way delay: 95.312 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 132.60 Mbit/s

95th percentile per-packet one-way delay: 95.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.35 Mbit/s

95th percentile per-packet one-way delay: 91.437 ms

Loss rate: 0.03%

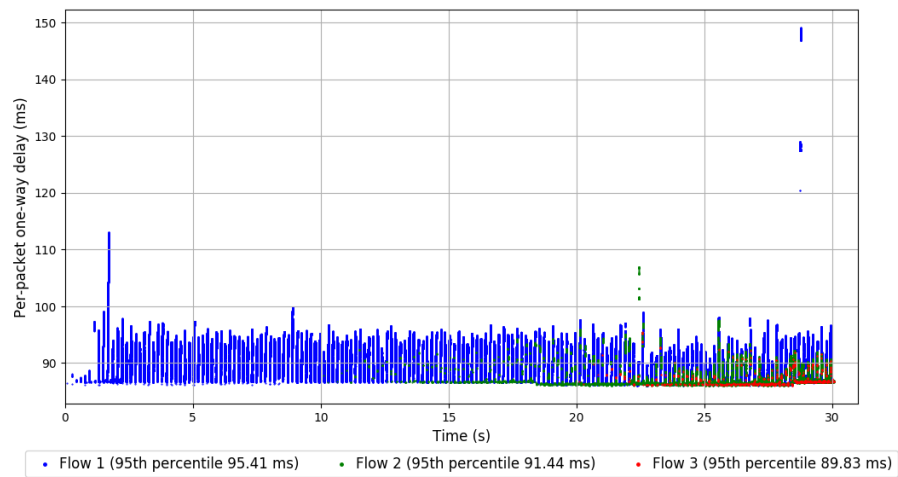
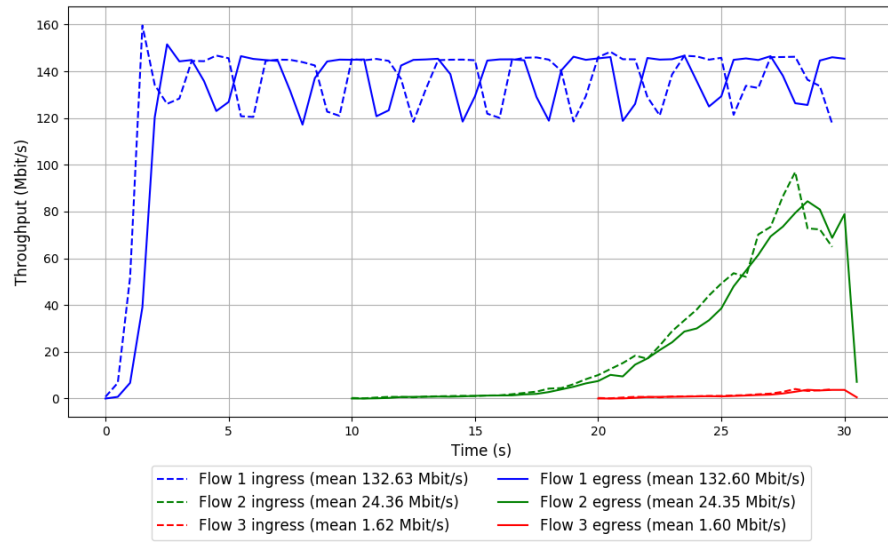
-- Flow 3:

Average throughput: 1.60 Mbit/s

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

Loss rate: 0.89%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-05-24 05:54:02

End at: 2018-05-24 05:54:32

Local clock offset: -0.117 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-24 09:20:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.58 Mbit/s

95th percentile per-packet one-way delay: 96.496 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 118.92 Mbit/s

95th percentile per-packet one-way delay: 97.025 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.58 Mbit/s

95th percentile per-packet one-way delay: 90.142 ms

Loss rate: 0.00%

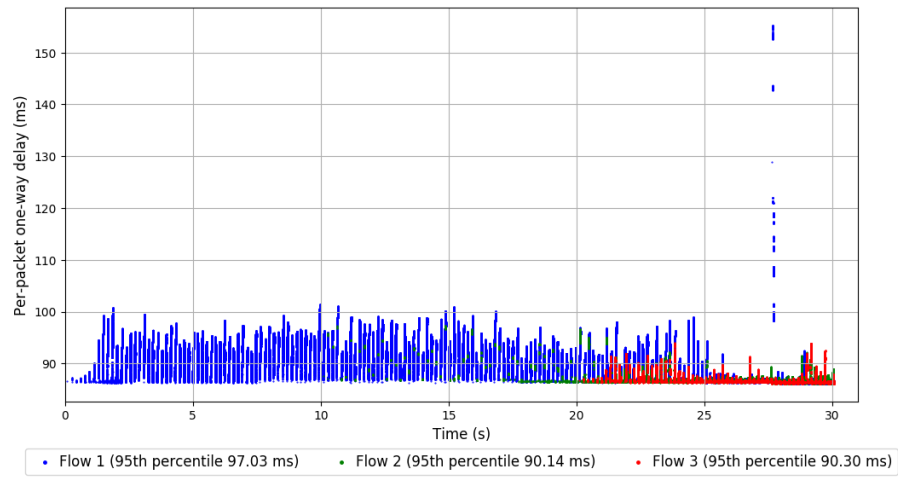
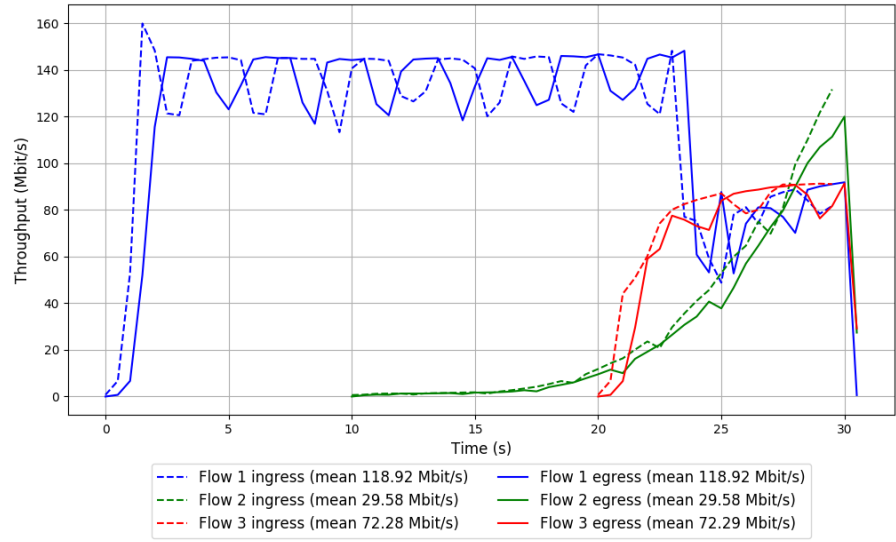
-- Flow 3:

Average throughput: 72.29 Mbit/s

95th percentile per-packet one-way delay: 90.299 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

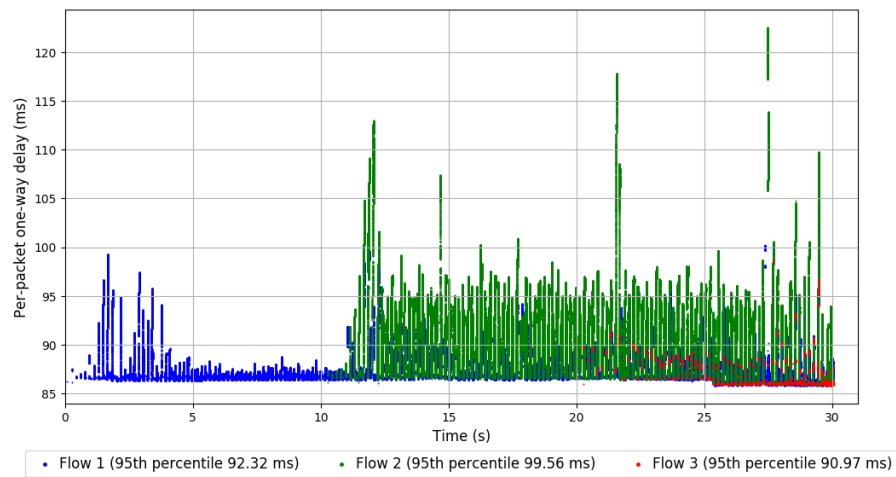
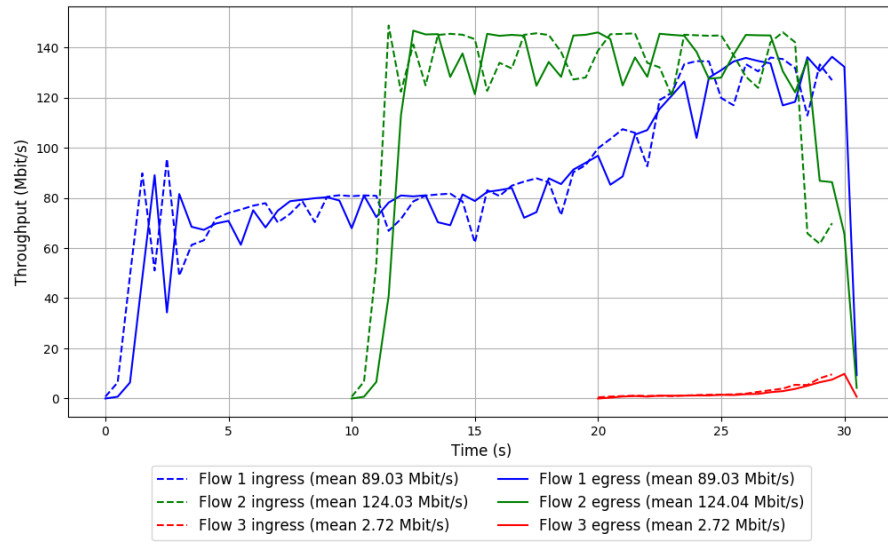


Run 5: Statistics of TCP Cubic

Start at: 2018-05-24 06:18:14
End at: 2018-05-24 06:18:44
Local clock offset: 0.177 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-24 09:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.41 Mbit/s
95th percentile per-packet one-way delay: 96.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 92.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.04 Mbit/s
95th percentile per-packet one-way delay: 99.557 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 90.968 ms
Loss rate: 0.22%

Run 5: Report of TCP Cubic — Data Link

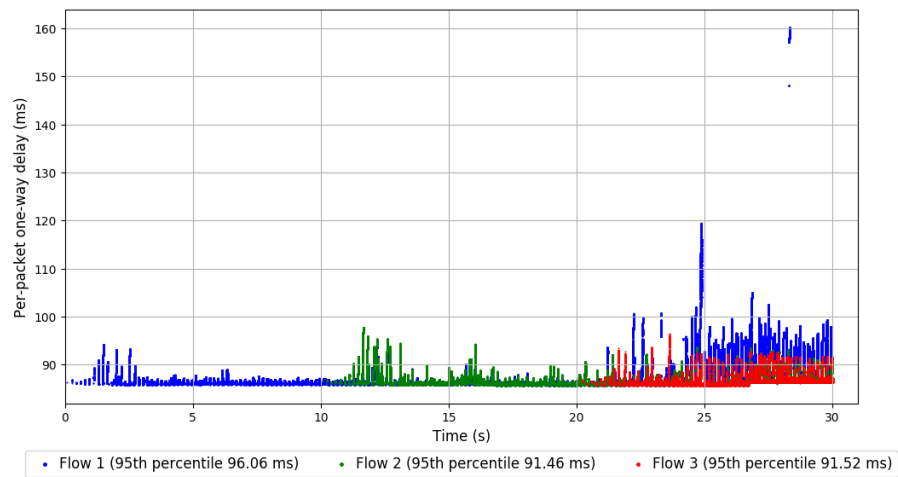
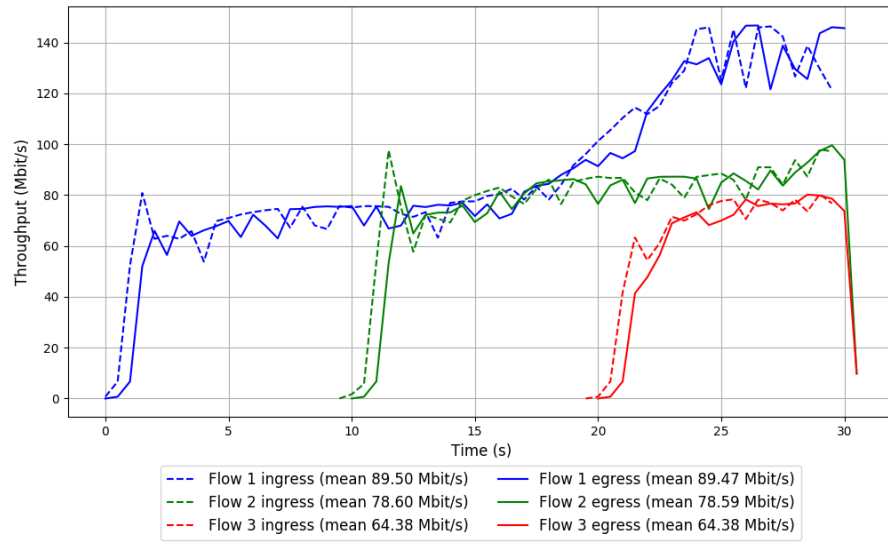


Run 6: Statistics of TCP Cubic

Start at: 2018-05-24 06:42:23
End at: 2018-05-24 06:42:53
Local clock offset: 0.141 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 09:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 163.14 Mbit/s
95th percentile per-packet one-way delay: 94.335 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.47 Mbit/s
95th percentile per-packet one-way delay: 96.061 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 91.459 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.38 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

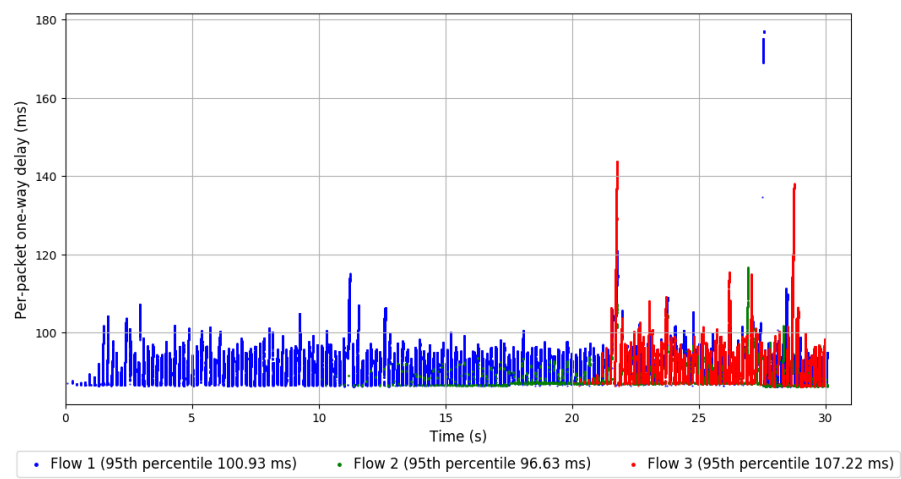
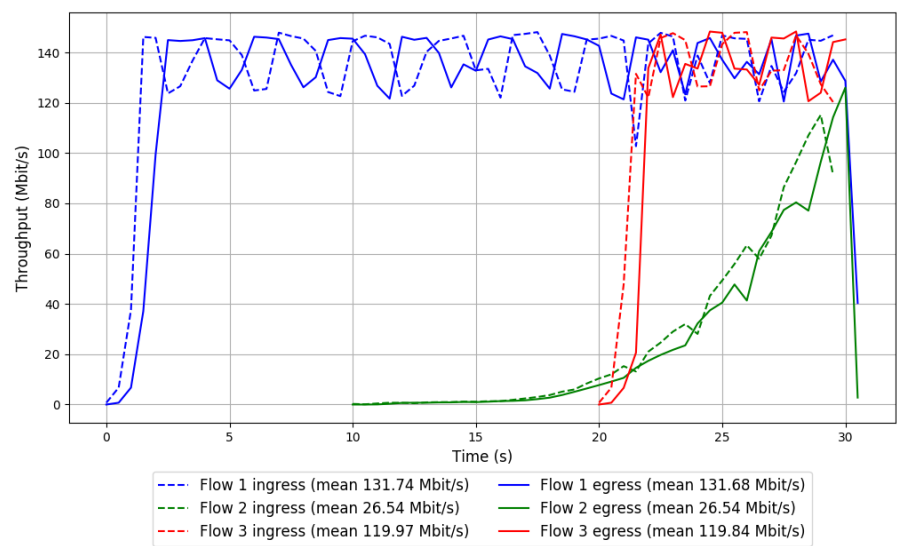


Run 7: Statistics of TCP Cubic

Start at: 2018-05-24 07:06:22
End at: 2018-05-24 07:06:52
Local clock offset: -0.444 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-24 09:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 188.77 Mbit/s
95th percentile per-packet one-way delay: 101.572 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 131.68 Mbit/s
95th percentile per-packet one-way delay: 100.930 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 26.54 Mbit/s
95th percentile per-packet one-way delay: 96.629 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 119.84 Mbit/s
95th percentile per-packet one-way delay: 107.219 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

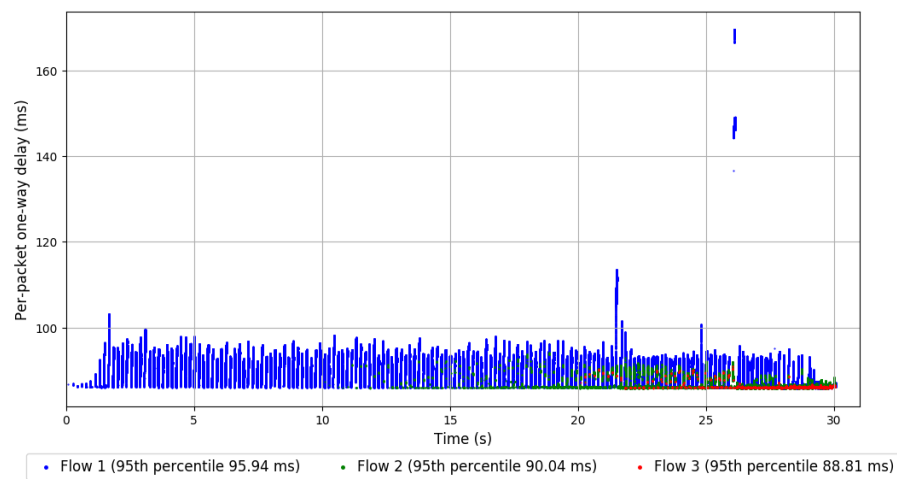
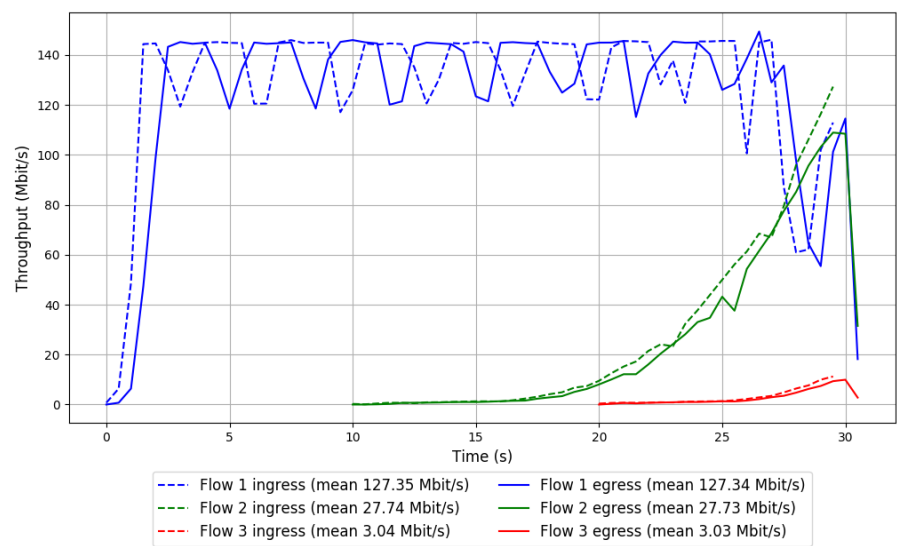


Run 8: Statistics of TCP Cubic

Start at: 2018-05-24 07:30:40
End at: 2018-05-24 07:31:10
Local clock offset: 0.008 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-24 09:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.79 Mbit/s
95th percentile per-packet one-way delay: 95.749 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.34 Mbit/s
95th percentile per-packet one-way delay: 95.936 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.73 Mbit/s
95th percentile per-packet one-way delay: 90.036 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 3.03 Mbit/s
95th percentile per-packet one-way delay: 88.807 ms
Loss rate: 0.12%

Run 8: Report of TCP Cubic — Data Link

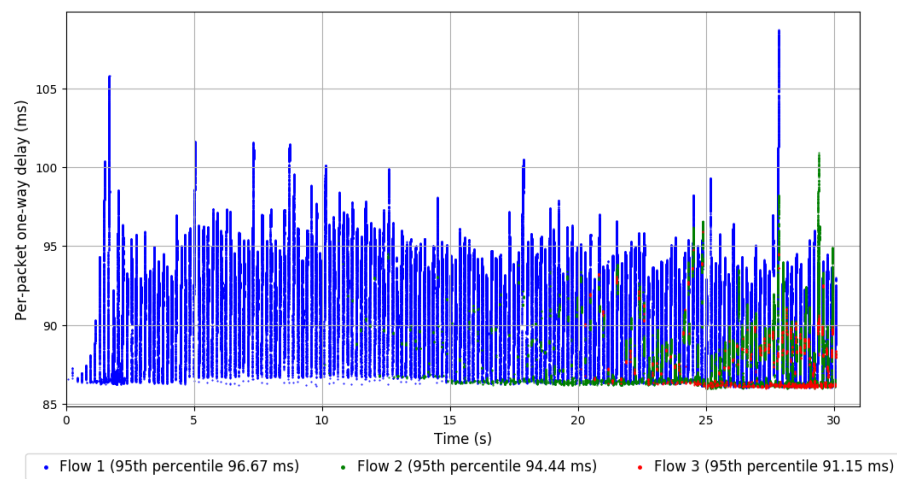
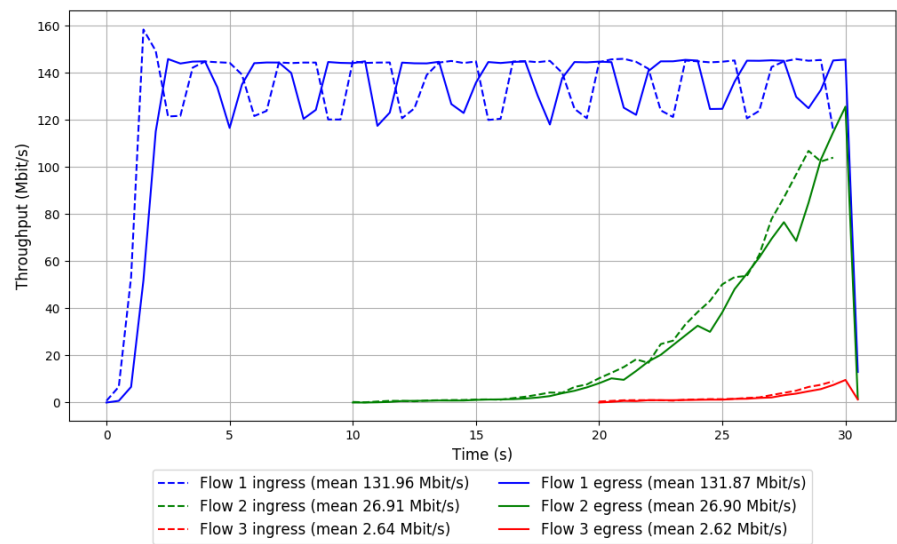


Run 9: Statistics of TCP Cubic

Start at: 2018-05-24 07:54:45
End at: 2018-05-24 07:55:15
Local clock offset: -0.086 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-24 09:20:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 150.66 Mbit/s
95th percentile per-packet one-way delay: 96.508 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 131.87 Mbit/s
95th percentile per-packet one-way delay: 96.674 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 26.90 Mbit/s
95th percentile per-packet one-way delay: 94.439 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 91.150 ms
Loss rate: 0.55%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-24 08:19:02

End at: 2018-05-24 08:19:32

Local clock offset: 0.058 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-05-24 09:21:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.29 Mbit/s

95th percentile per-packet one-way delay: 94.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.42 Mbit/s

95th percentile per-packet one-way delay: 95.173 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.17 Mbit/s

95th percentile per-packet one-way delay: 90.954 ms

Loss rate: 0.00%

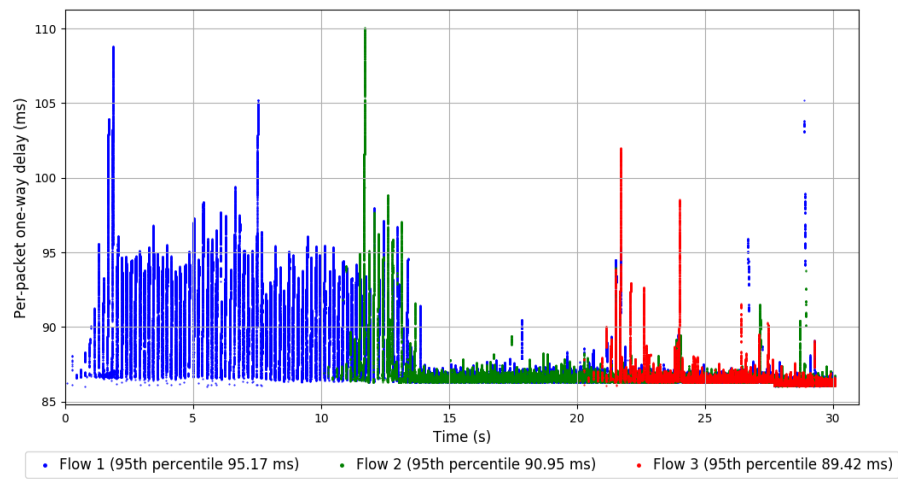
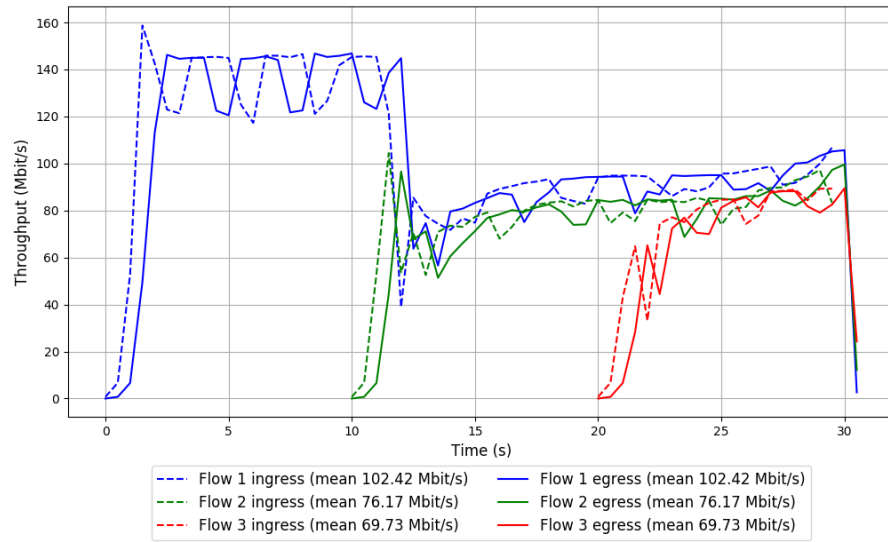
-- Flow 3:

Average throughput: 69.73 Mbit/s

95th percentile per-packet one-way delay: 89.423 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

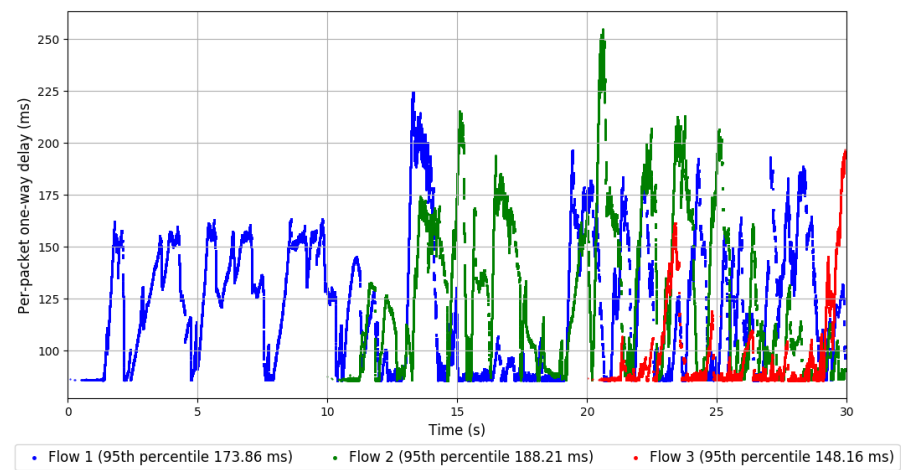
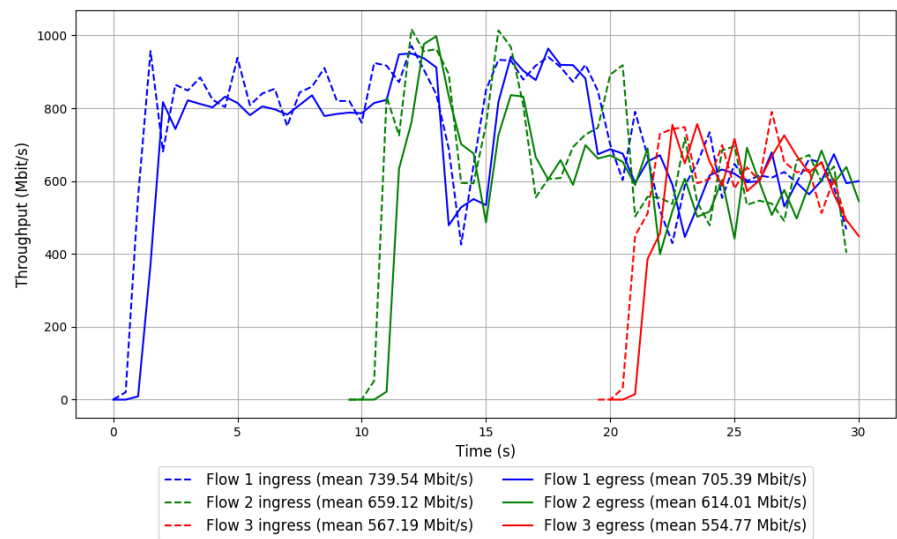


Run 1: Statistics of FillP

Start at: 2018-05-24 04:44:59
End at: 2018-05-24 04:45:29
Local clock offset: 0.281 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-05-24 09:44:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 1299.67 Mbit/s
95th percentile per-packet one-way delay: 177.108 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 705.39 Mbit/s
95th percentile per-packet one-way delay: 173.860 ms
Loss rate: 4.61%
-- Flow 2:
Average throughput: 614.01 Mbit/s
95th percentile per-packet one-way delay: 188.210 ms
Loss rate: 6.85%
-- Flow 3:
Average throughput: 554.77 Mbit/s
95th percentile per-packet one-way delay: 148.162 ms
Loss rate: 2.18%

Run 1: Report of FillP — Data Link

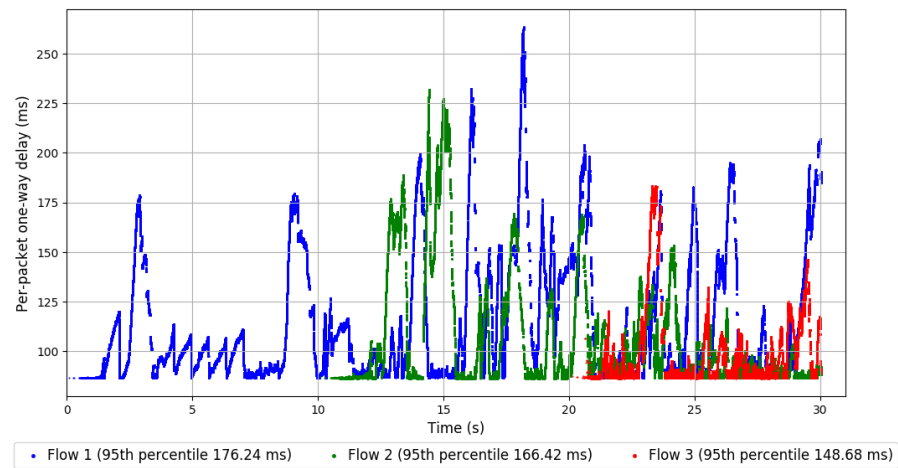
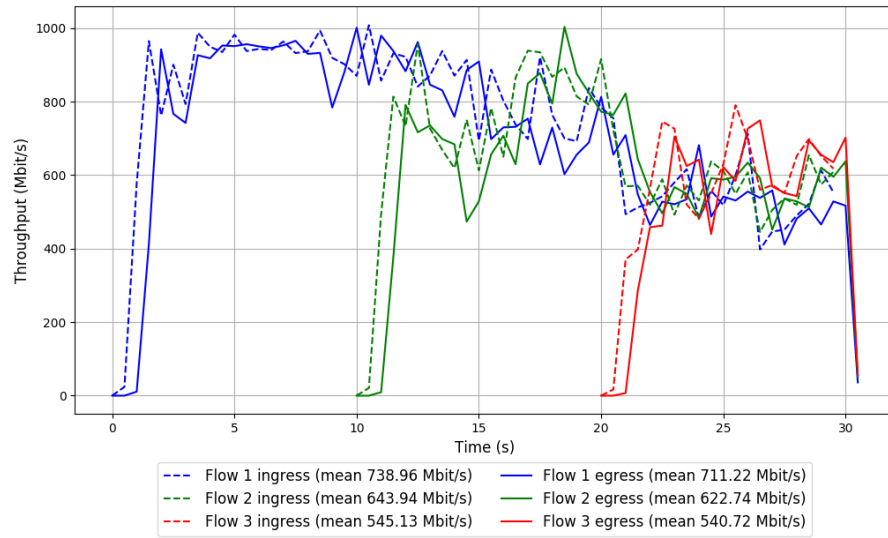


Run 2: Statistics of FillP

Start at: 2018-05-24 05:08:58
End at: 2018-05-24 05:09:28
Local clock offset: -0.17 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-24 09:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1304.51 Mbit/s
95th percentile per-packet one-way delay: 172.715 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 711.22 Mbit/s
95th percentile per-packet one-way delay: 176.240 ms
Loss rate: 3.75%
-- Flow 2:
Average throughput: 622.74 Mbit/s
95th percentile per-packet one-way delay: 166.418 ms
Loss rate: 3.30%
-- Flow 3:
Average throughput: 540.72 Mbit/s
95th percentile per-packet one-way delay: 148.679 ms
Loss rate: 0.77%

Run 2: Report of FillP — Data Link

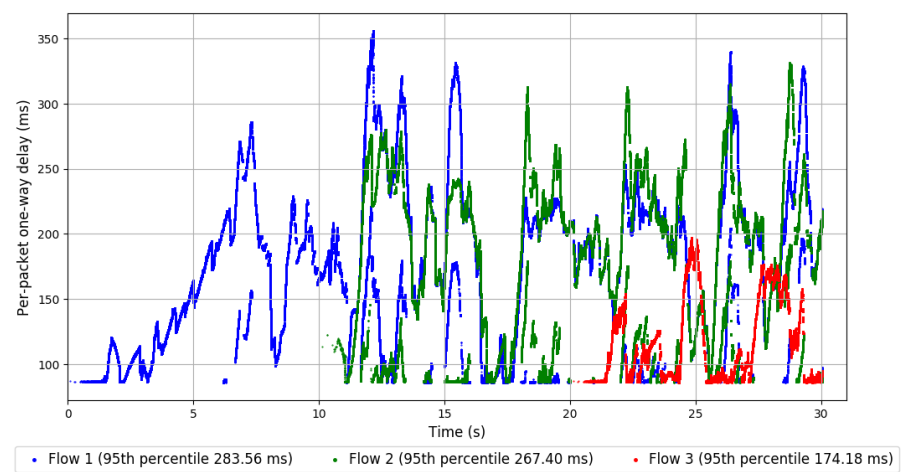
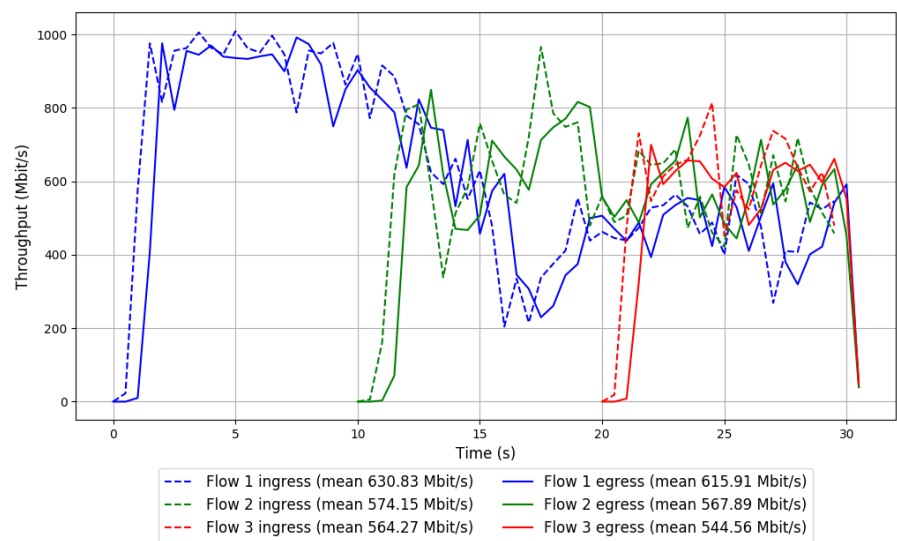


Run 3: Statistics of FillP

Start at: 2018-05-24 05:33:07
End at: 2018-05-24 05:33:37
Local clock offset: 0.182 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-24 09:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1173.67 Mbit/s
95th percentile per-packet one-way delay: 269.099 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 615.91 Mbit/s
95th percentile per-packet one-way delay: 283.558 ms
Loss rate: 2.36%
-- Flow 2:
Average throughput: 567.89 Mbit/s
95th percentile per-packet one-way delay: 267.403 ms
Loss rate: 1.22%
-- Flow 3:
Average throughput: 544.56 Mbit/s
95th percentile per-packet one-way delay: 174.180 ms
Loss rate: 3.50%

Run 3: Report of FillP — Data Link

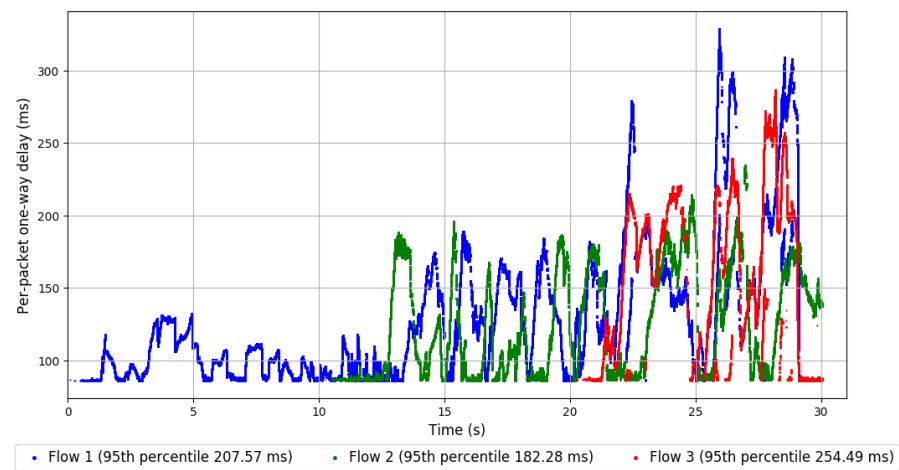
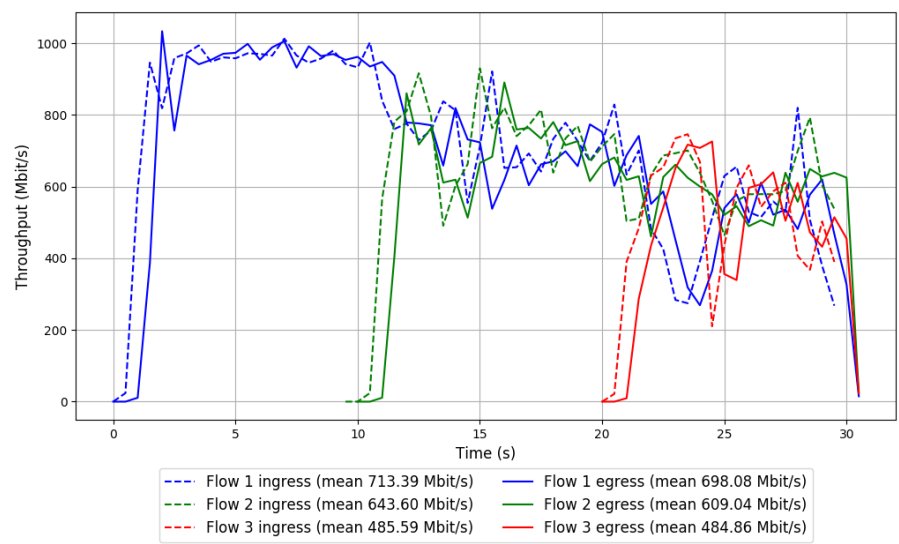


Run 4: Statistics of FillP

Start at: 2018-05-24 05:57:09
End at: 2018-05-24 05:57:39
Local clock offset: 0.062 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-24 09:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1264.46 Mbit/s
95th percentile per-packet one-way delay: 214.629 ms
Loss rate: 2.96%
-- Flow 1:
Average throughput: 698.08 Mbit/s
95th percentile per-packet one-way delay: 207.573 ms
Loss rate: 2.14%
-- Flow 2:
Average throughput: 609.04 Mbit/s
95th percentile per-packet one-way delay: 182.280 ms
Loss rate: 5.37%
-- Flow 3:
Average throughput: 484.86 Mbit/s
95th percentile per-packet one-way delay: 254.493 ms
Loss rate: 0.16%

Run 4: Report of FillP — Data Link

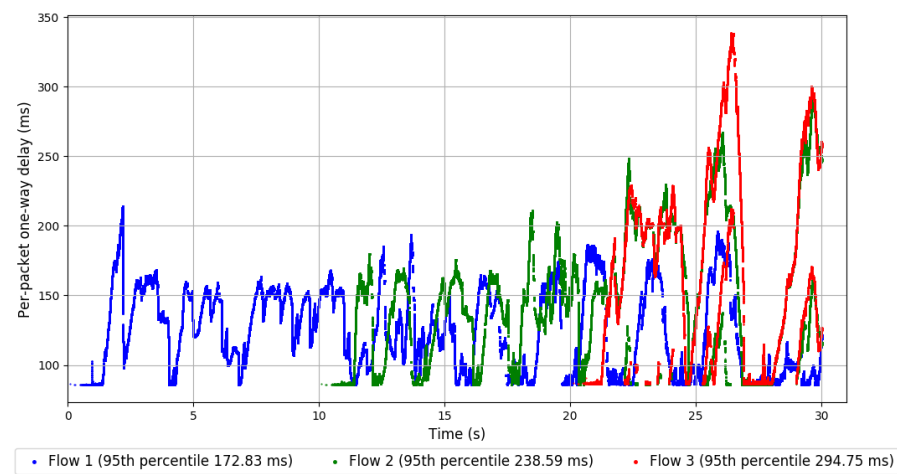
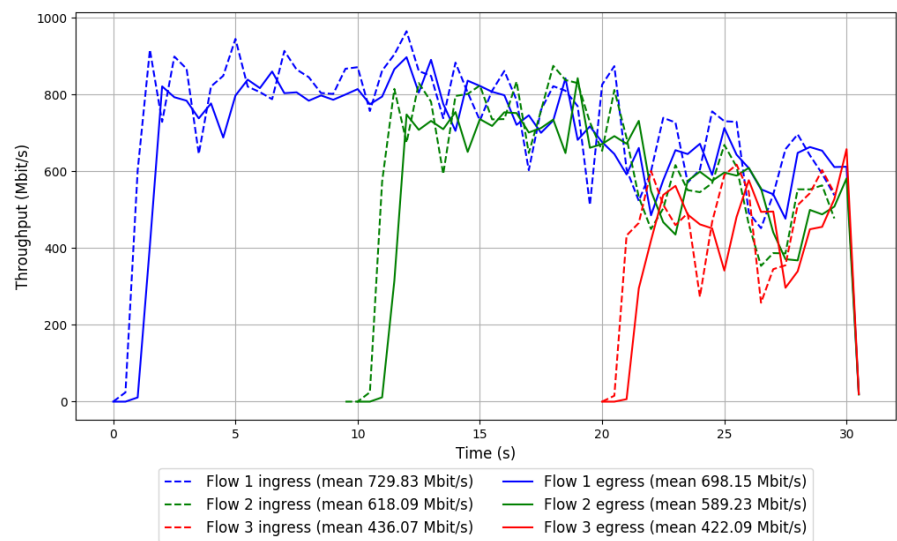


Run 5: Statistics of FillP

Start at: 2018-05-24 06:21:12
End at: 2018-05-24 06:21:42
Local clock offset: 0.2 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-24 09:45:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1230.18 Mbit/s
95th percentile per-packet one-way delay: 224.314 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 698.15 Mbit/s
95th percentile per-packet one-way delay: 172.831 ms
Loss rate: 4.33%
-- Flow 2:
Average throughput: 589.23 Mbit/s
95th percentile per-packet one-way delay: 238.588 ms
Loss rate: 4.67%
-- Flow 3:
Average throughput: 422.09 Mbit/s
95th percentile per-packet one-way delay: 294.748 ms
Loss rate: 3.21%

Run 5: Report of FillP — Data Link

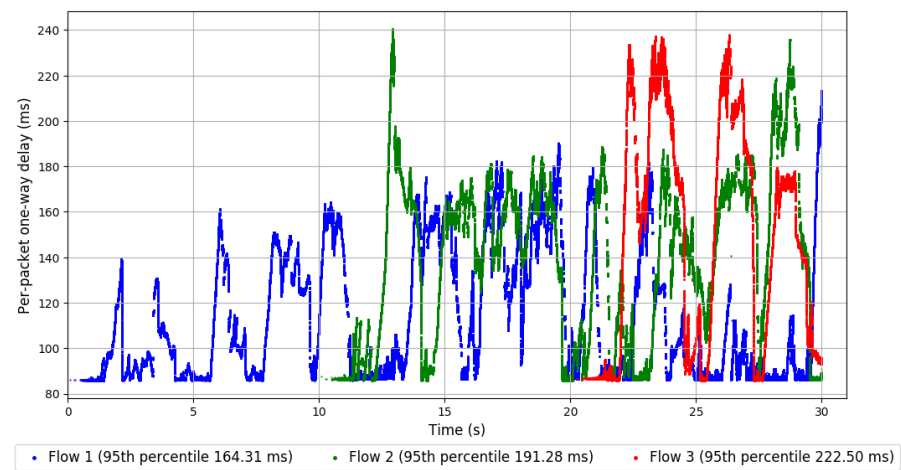
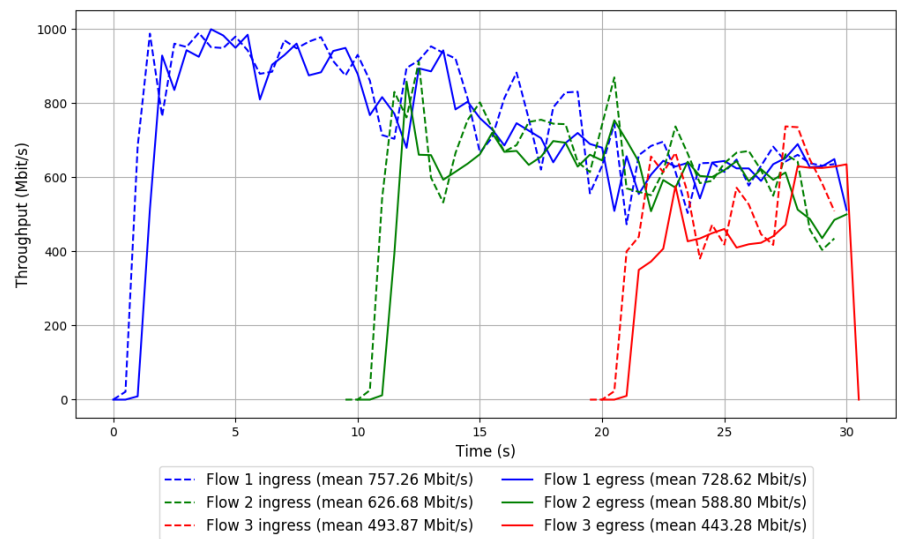


Run 6: Statistics of FillP

Start at: 2018-05-24 06:45:18
End at: 2018-05-24 06:45:48
Local clock offset: 0.224 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-24 09:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1267.79 Mbit/s
95th percentile per-packet one-way delay: 186.386 ms
Loss rate: 5.28%
-- Flow 1:
Average throughput: 728.62 Mbit/s
95th percentile per-packet one-way delay: 164.307 ms
Loss rate: 3.78%
-- Flow 2:
Average throughput: 588.80 Mbit/s
95th percentile per-packet one-way delay: 191.276 ms
Loss rate: 6.05%
-- Flow 3:
Average throughput: 443.28 Mbit/s
95th percentile per-packet one-way delay: 222.504 ms
Loss rate: 10.24%

Run 6: Report of FillP — Data Link

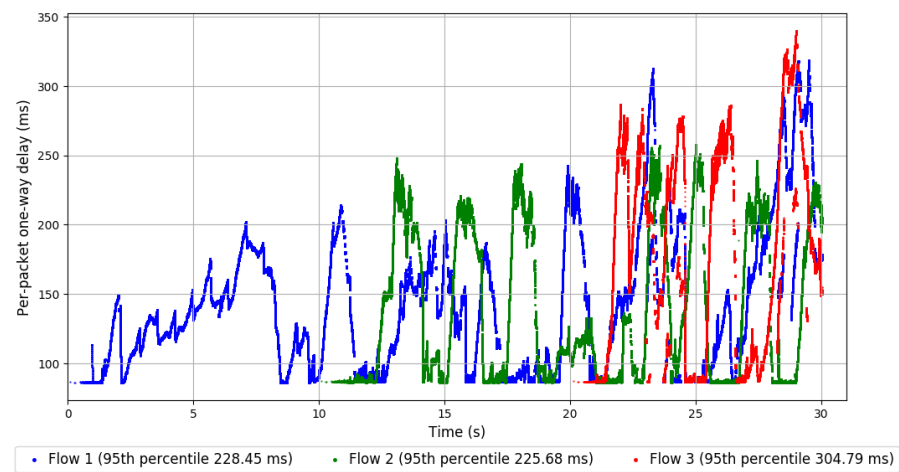
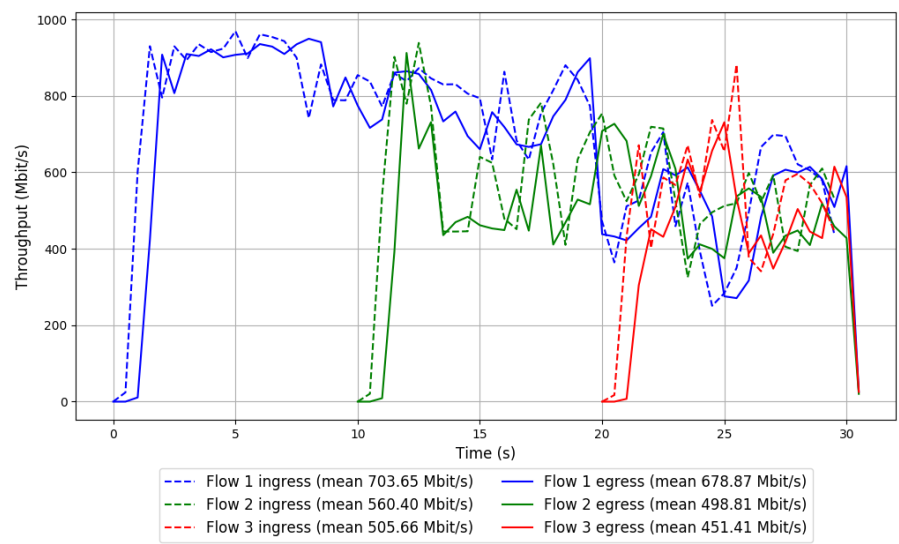


Run 7: Statistics of FillP

Start at: 2018-05-24 07:09:30
End at: 2018-05-24 07:10:00
Local clock offset: -0.054 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-24 09:45:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1160.16 Mbit/s
95th percentile per-packet one-way delay: 251.498 ms
Loss rate: 6.72%
-- Flow 1:
Average throughput: 678.87 Mbit/s
95th percentile per-packet one-way delay: 228.446 ms
Loss rate: 3.51%
-- Flow 2:
Average throughput: 498.81 Mbit/s
95th percentile per-packet one-way delay: 225.677 ms
Loss rate: 10.99%
-- Flow 3:
Average throughput: 451.41 Mbit/s
95th percentile per-packet one-way delay: 304.794 ms
Loss rate: 10.71%

Run 7: Report of FillP — Data Link

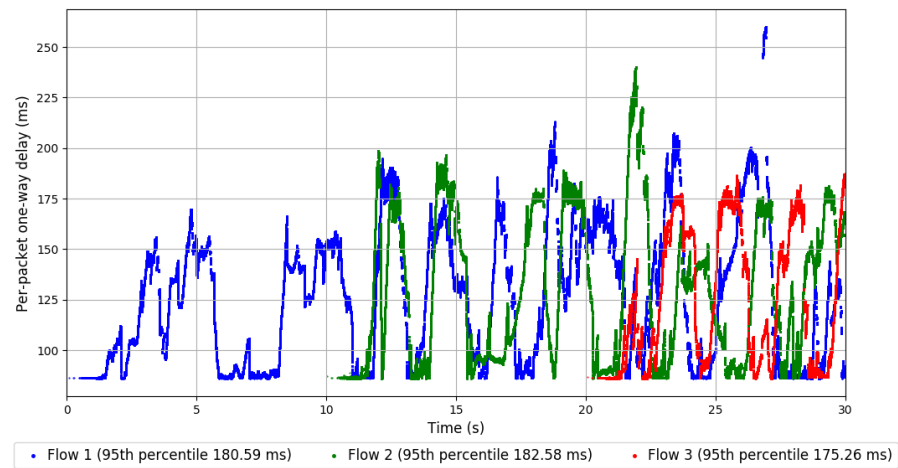
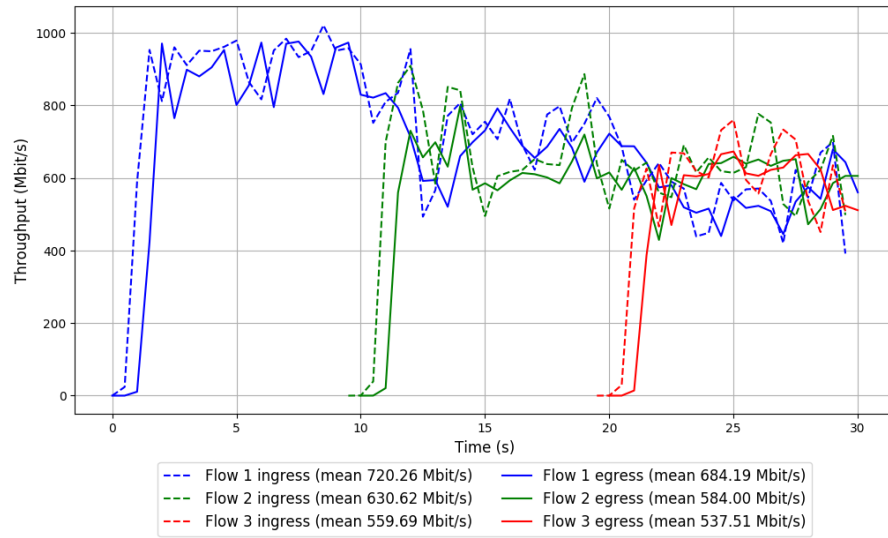


Run 8: Statistics of FillP

Start at: 2018-05-24 07:33:41
End at: 2018-05-24 07:34:11
Local clock offset: -0.015 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-05-24 09:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.06 Mbit/s
95th percentile per-packet one-way delay: 180.225 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 684.19 Mbit/s
95th percentile per-packet one-way delay: 180.593 ms
Loss rate: 5.01%
-- Flow 2:
Average throughput: 584.00 Mbit/s
95th percentile per-packet one-way delay: 182.584 ms
Loss rate: 7.39%
-- Flow 3:
Average throughput: 537.51 Mbit/s
95th percentile per-packet one-way delay: 175.265 ms
Loss rate: 3.96%

Run 8: Report of FillP — Data Link

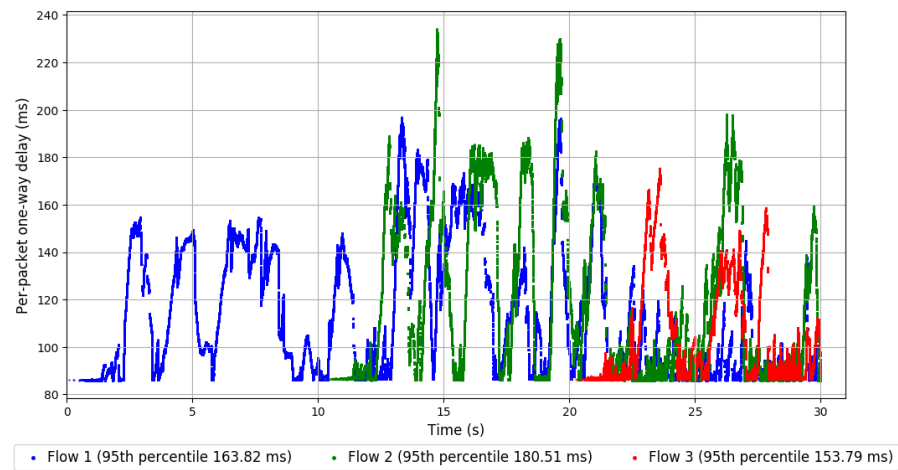
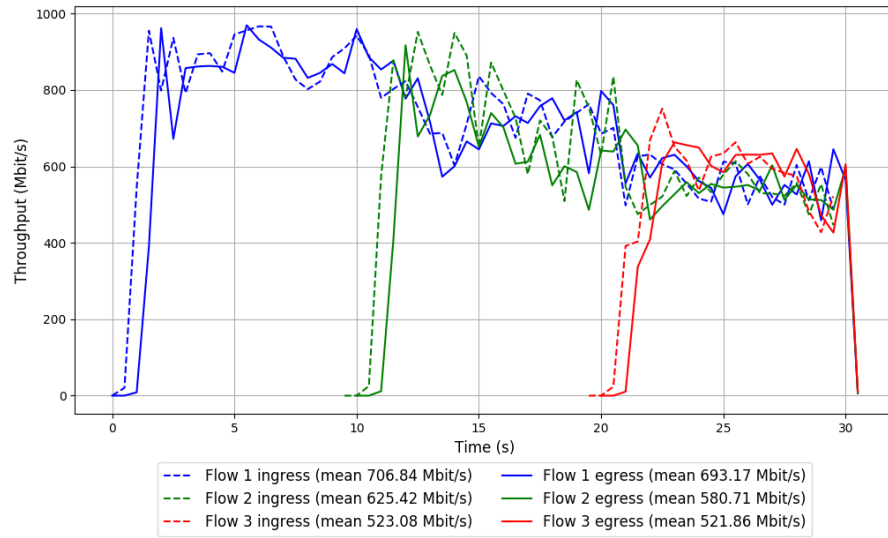


Run 9: Statistics of FillP

Start at: 2018-05-24 07:57:48
End at: 2018-05-24 07:58:18
Local clock offset: 0.168 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1252.99 Mbit/s
95th percentile per-packet one-way delay: 171.466 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 693.17 Mbit/s
95th percentile per-packet one-way delay: 163.818 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 580.71 Mbit/s
95th percentile per-packet one-way delay: 180.511 ms
Loss rate: 7.14%
-- Flow 3:
Average throughput: 521.86 Mbit/s
95th percentile per-packet one-way delay: 153.794 ms
Loss rate: 0.22%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-24 08:22:01

End at: 2018-05-24 08:22:31

Local clock offset: 0.002 ms

Remote clock offset: 0.153 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 1150.20 Mbit/s

95th percentile per-packet one-way delay: 293.970 ms

Loss rate: 4.61%

-- Flow 1:

Average throughput: 639.97 Mbit/s

95th percentile per-packet one-way delay: 289.438 ms

Loss rate: 4.63%

-- Flow 2:

Average throughput: 477.89 Mbit/s

95th percentile per-packet one-way delay: 308.038 ms

Loss rate: 6.42%

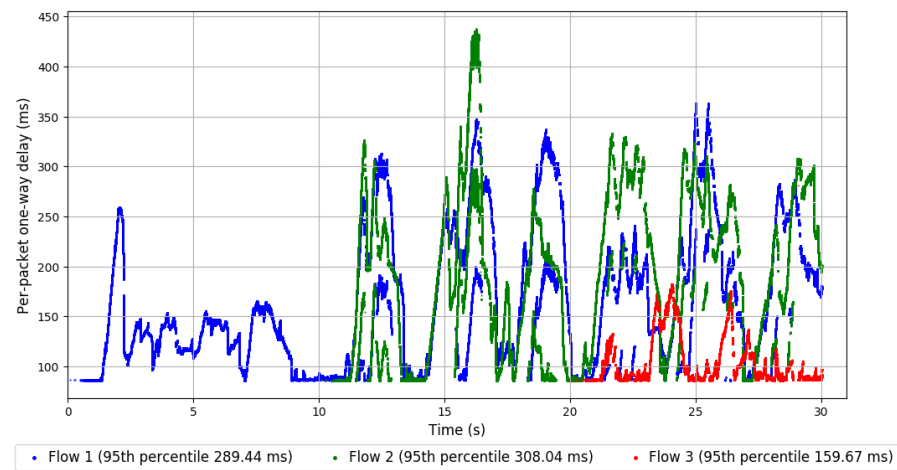
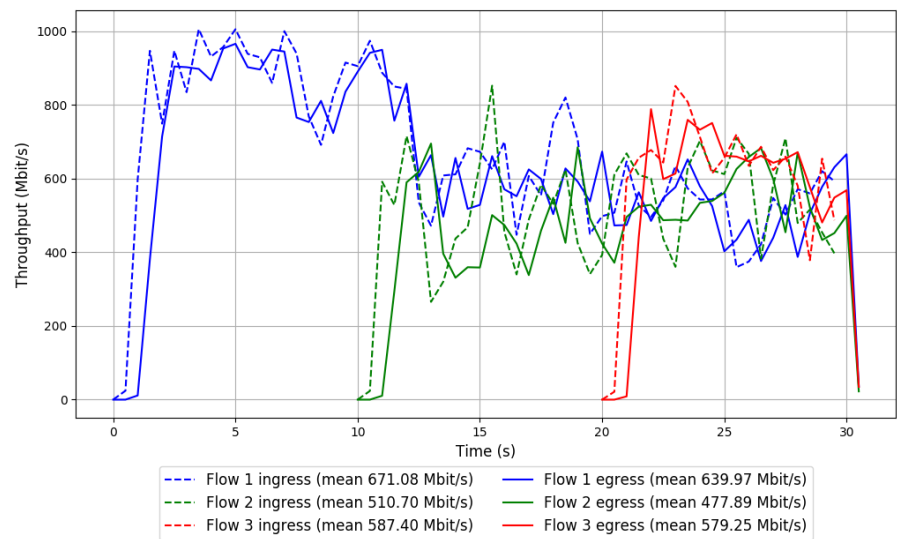
-- Flow 3:

Average throughput: 579.25 Mbit/s

95th percentile per-packet one-way delay: 159.667 ms

Loss rate: 1.39%

Run 10: Report of FillP — Data Link

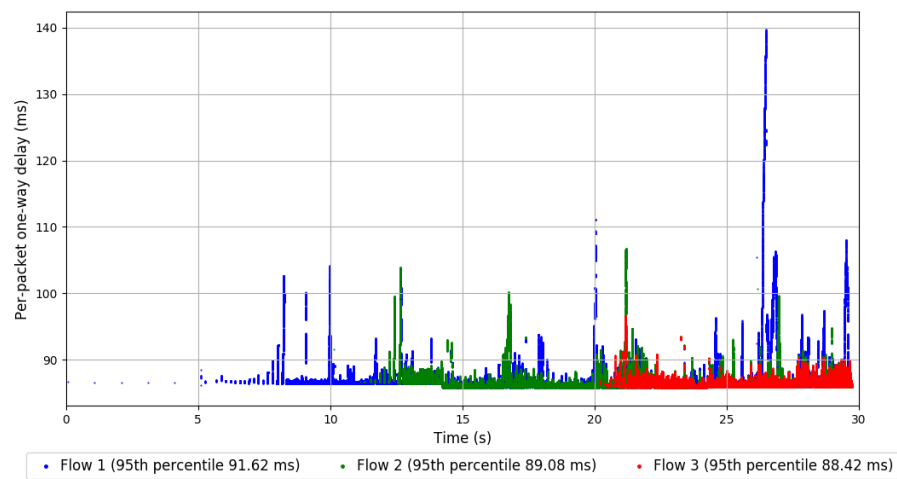
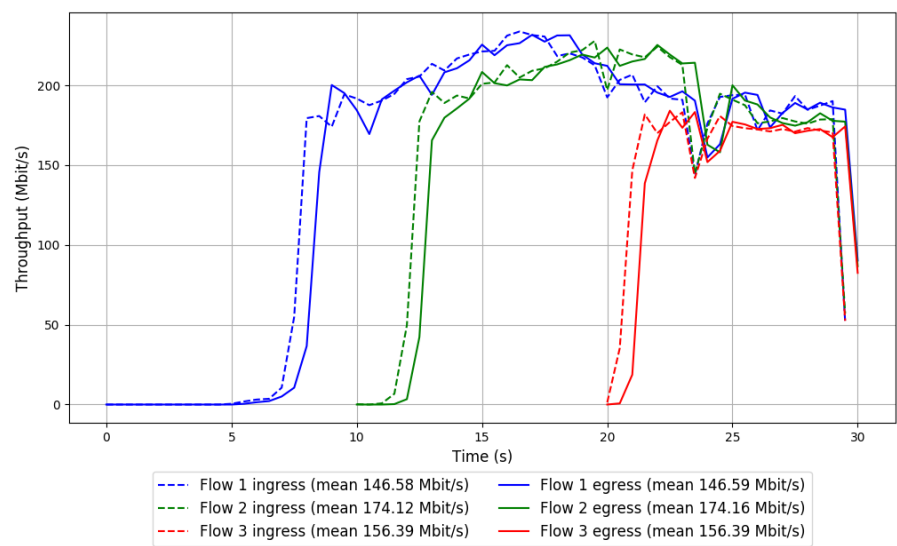


```
Run 1: Statistics of Indigo

Start at: 2018-05-24 04:51:05
End at: 2018-05-24 04:51:35
Local clock offset: 0.013 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2018-05-24 10:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 312.13 Mbit/s
95th percentile per-packet one-way delay: 89.619 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 146.59 Mbit/s
95th percentile per-packet one-way delay: 91.621 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 174.16 Mbit/s
95th percentile per-packet one-way delay: 89.082 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 156.39 Mbit/s
95th percentile per-packet one-way delay: 88.425 ms
Loss rate: 0.00%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-24 05:15:07

End at: 2018-05-24 05:15:37

Local clock offset: 0.414 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.42 Mbit/s

95th percentile per-packet one-way delay: 97.671 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 202.37 Mbit/s

95th percentile per-packet one-way delay: 95.531 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 186.39 Mbit/s

95th percentile per-packet one-way delay: 99.237 ms

Loss rate: 0.00%

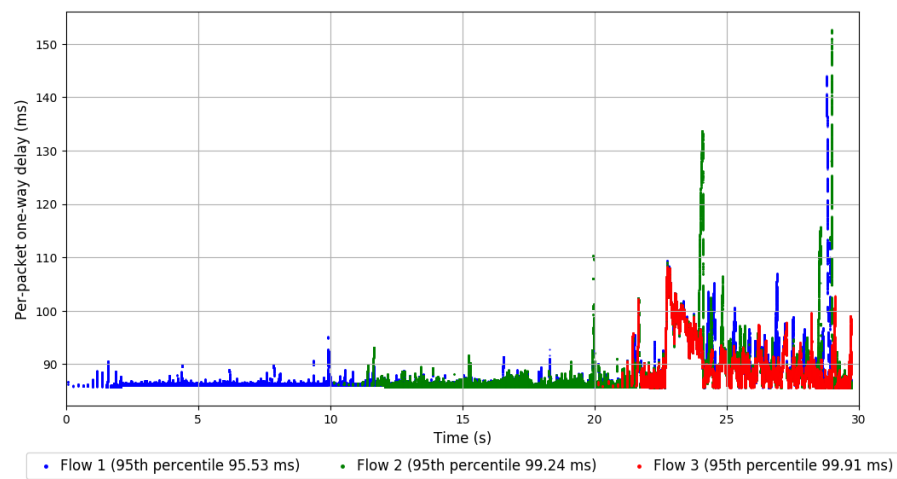
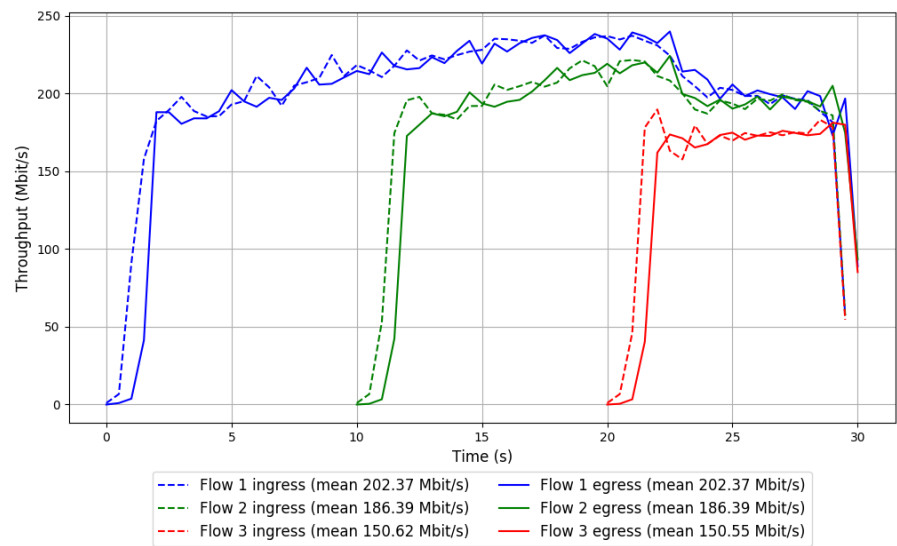
-- Flow 3:

Average throughput: 150.55 Mbit/s

95th percentile per-packet one-way delay: 99.911 ms

Loss rate: 0.04%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-24 05:39:06

End at: 2018-05-24 05:39:36

Local clock offset: 0.0 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 377.67 Mbit/s

95th percentile per-packet one-way delay: 90.454 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.15 Mbit/s

95th percentile per-packet one-way delay: 89.604 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 188.22 Mbit/s

95th percentile per-packet one-way delay: 91.094 ms

Loss rate: 0.01%

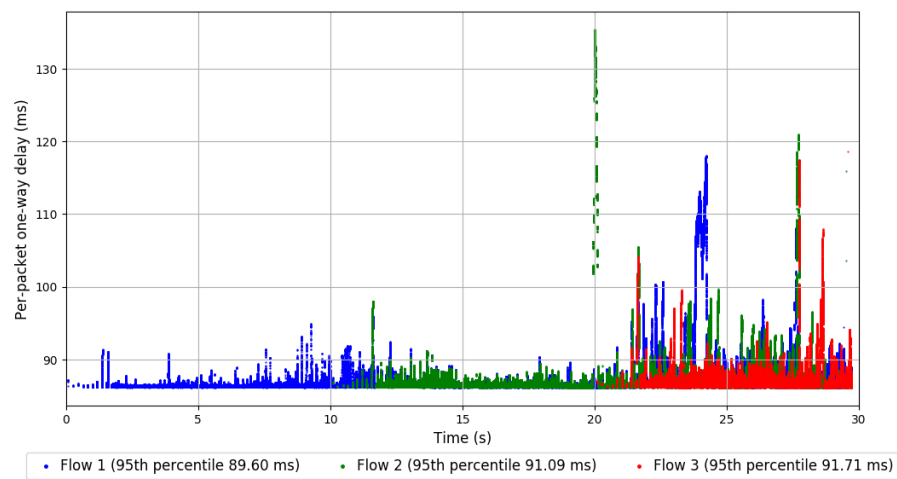
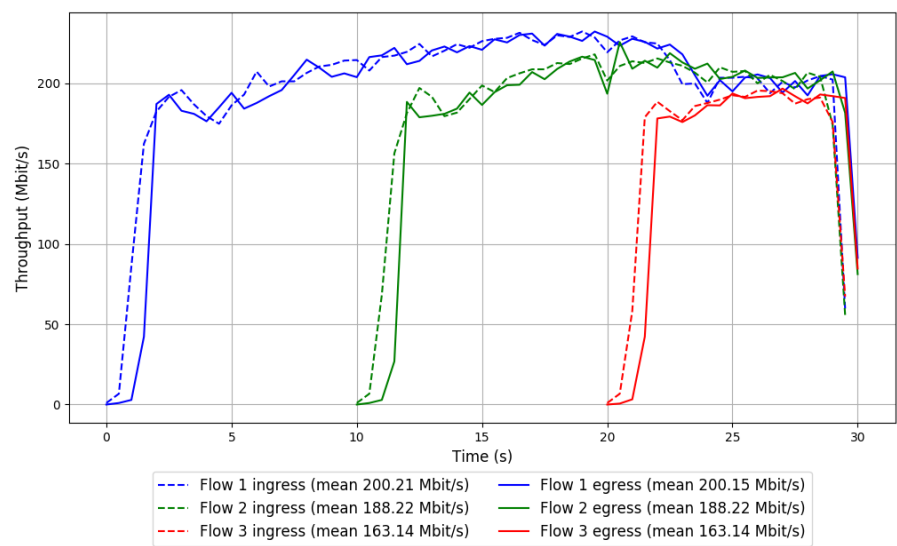
-- Flow 3:

Average throughput: 163.14 Mbit/s

95th percentile per-packet one-way delay: 91.709 ms

Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

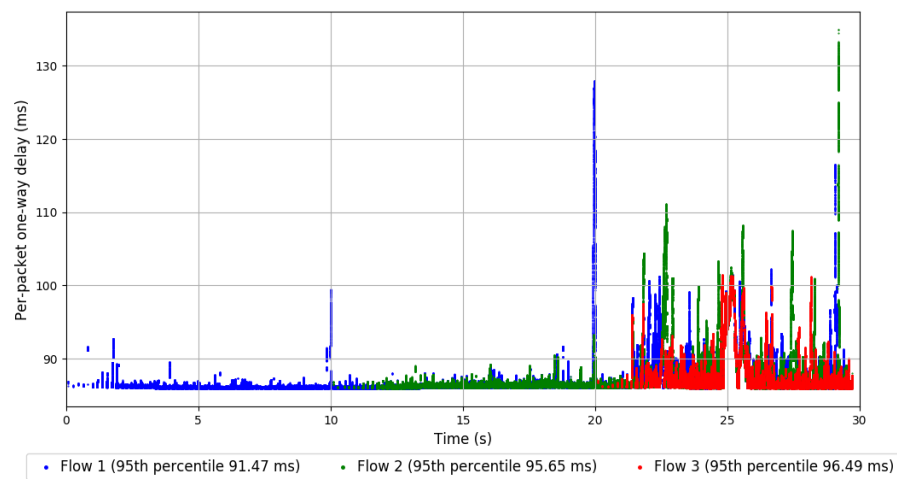
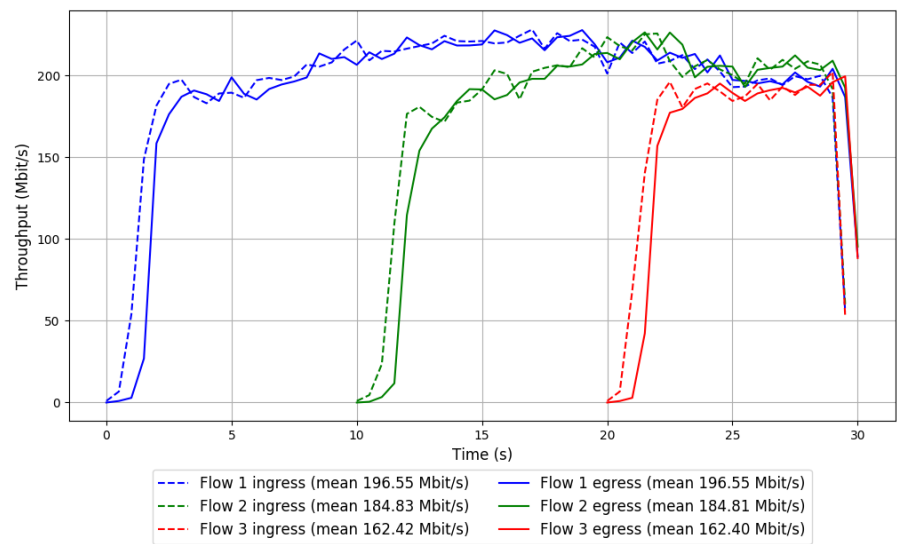


Run 4: Statistics of Indigo

Start at: 2018-05-24 06:03:16
End at: 2018-05-24 06:03:46
Local clock offset: 0.066 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.68 Mbit/s
95th percentile per-packet one-way delay: 93.782 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 196.55 Mbit/s
95th percentile per-packet one-way delay: 91.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.81 Mbit/s
95th percentile per-packet one-way delay: 95.650 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 162.40 Mbit/s
95th percentile per-packet one-way delay: 96.489 ms
Loss rate: 0.03%

Run 4: Report of Indigo — Data Link

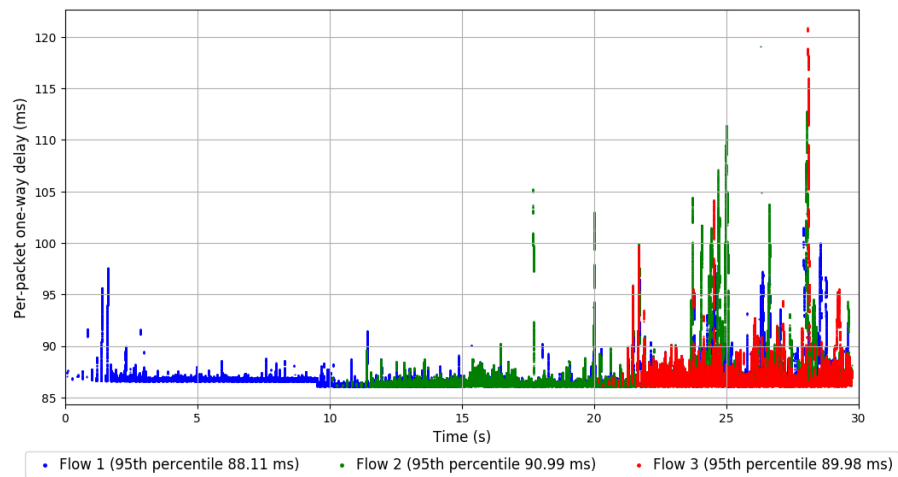
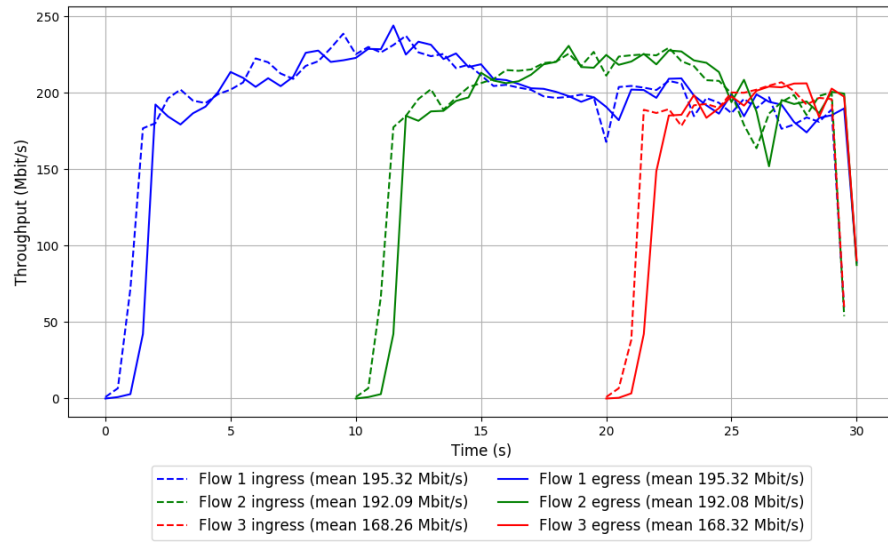


Run 5: Statistics of Indigo

Start at: 2018-05-24 06:27:20
End at: 2018-05-24 06:27:50
Local clock offset: -0.096 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.88 Mbit/s
95th percentile per-packet one-way delay: 89.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.32 Mbit/s
95th percentile per-packet one-way delay: 88.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 192.08 Mbit/s
95th percentile per-packet one-way delay: 90.988 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.32 Mbit/s
95th percentile per-packet one-way delay: 89.984 ms
Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

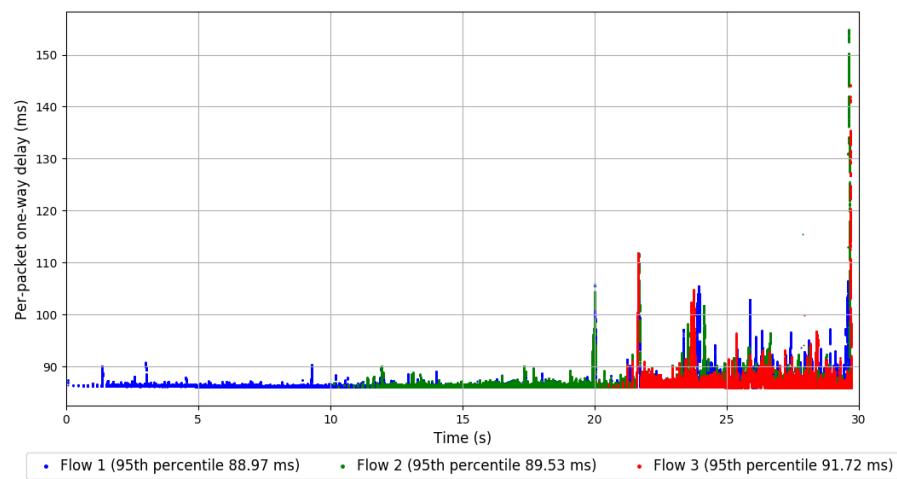
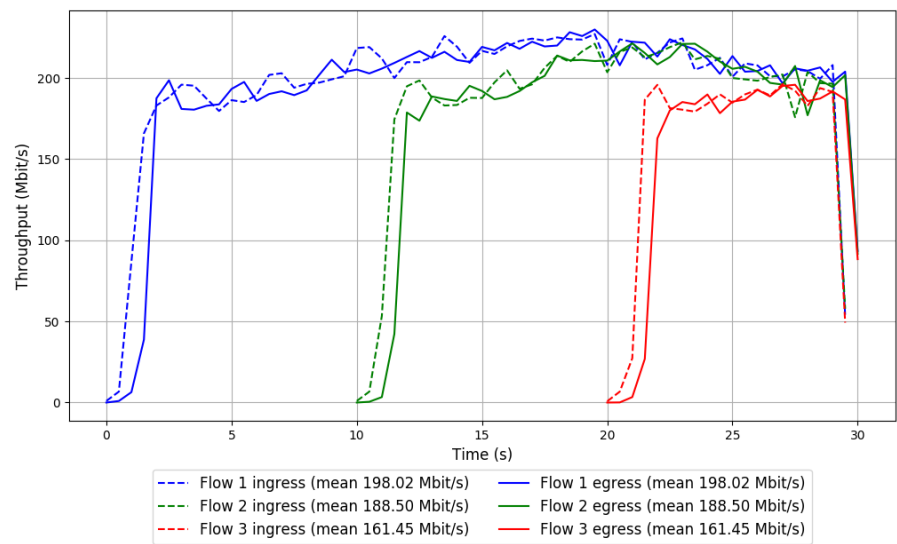


Run 6: Statistics of Indigo

Start at: 2018-05-24 06:51:24
End at: 2018-05-24 06:51:54
Local clock offset: -0.14 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.86 Mbit/s
95th percentile per-packet one-way delay: 89.617 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.02 Mbit/s
95th percentile per-packet one-way delay: 88.967 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 188.50 Mbit/s
95th percentile per-packet one-way delay: 89.528 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.45 Mbit/s
95th percentile per-packet one-way delay: 91.724 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

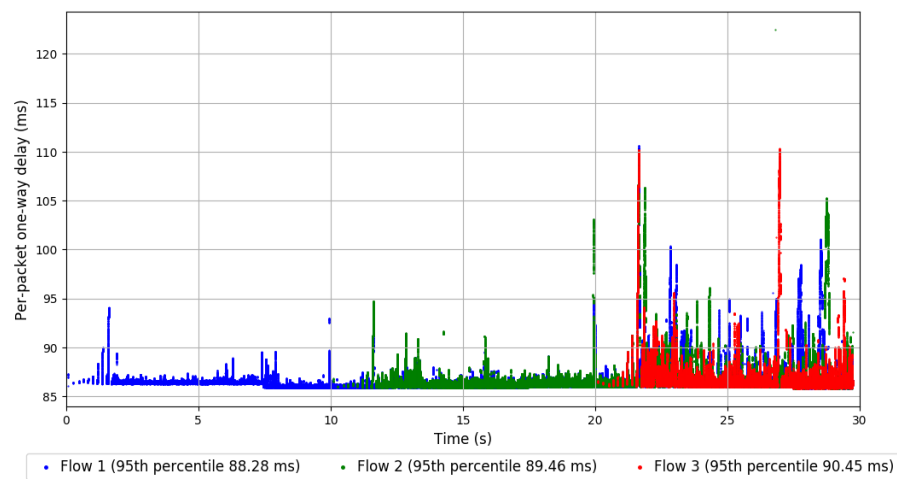
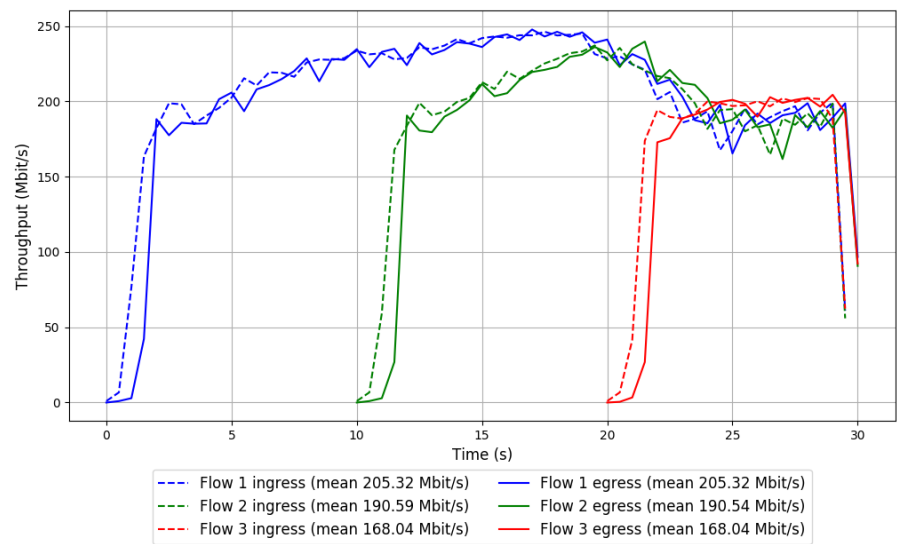


Run 7: Statistics of Indigo

Start at: 2018-05-24 07:15:32
End at: 2018-05-24 07:16:02
Local clock offset: 0.132 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.97 Mbit/s
95th percentile per-packet one-way delay: 89.116 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 88.282 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 190.54 Mbit/s
95th percentile per-packet one-way delay: 89.456 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 168.04 Mbit/s
95th percentile per-packet one-way delay: 90.446 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

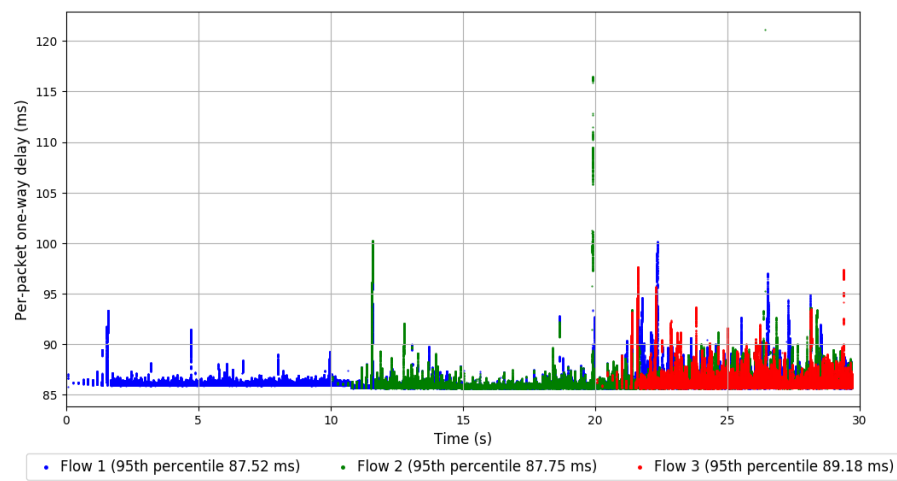
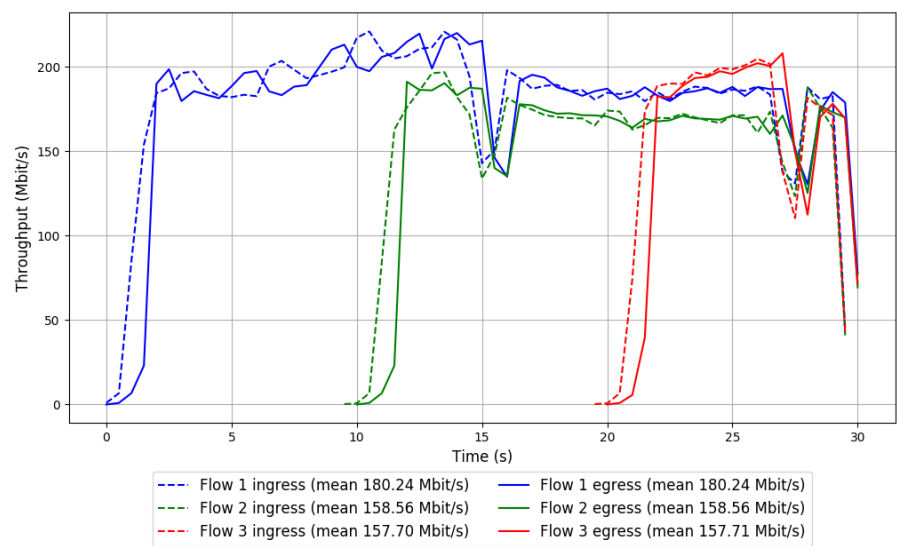


Run 8: Statistics of Indigo

Start at: 2018-05-24 07:39:49
End at: 2018-05-24 07:40:19
Local clock offset: 0.239 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 336.61 Mbit/s
95th percentile per-packet one-way delay: 87.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 180.24 Mbit/s
95th percentile per-packet one-way delay: 87.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.56 Mbit/s
95th percentile per-packet one-way delay: 87.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 157.71 Mbit/s
95th percentile per-packet one-way delay: 89.176 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-24 08:03:51

End at: 2018-05-24 08:04:21

Local clock offset: -0.028 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.22 Mbit/s

95th percentile per-packet one-way delay: 89.571 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 197.59 Mbit/s

95th percentile per-packet one-way delay: 88.611 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 187.24 Mbit/s

95th percentile per-packet one-way delay: 89.905 ms

Loss rate: 0.00%

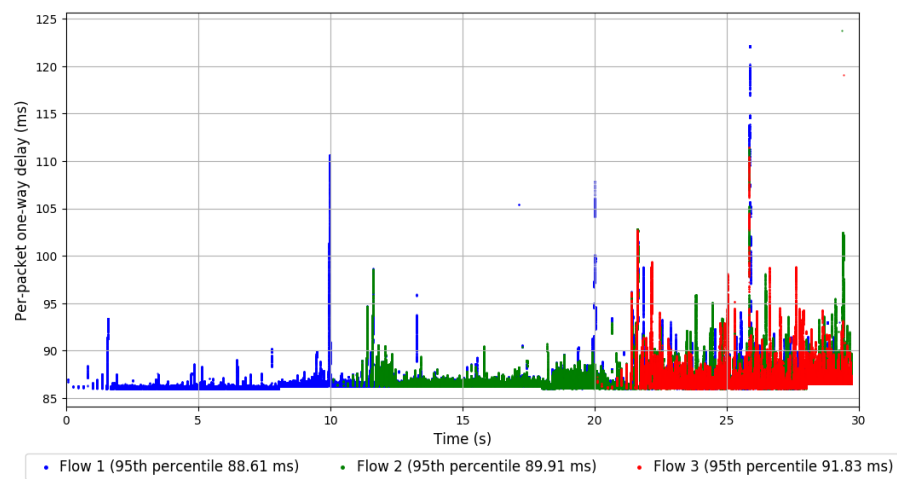
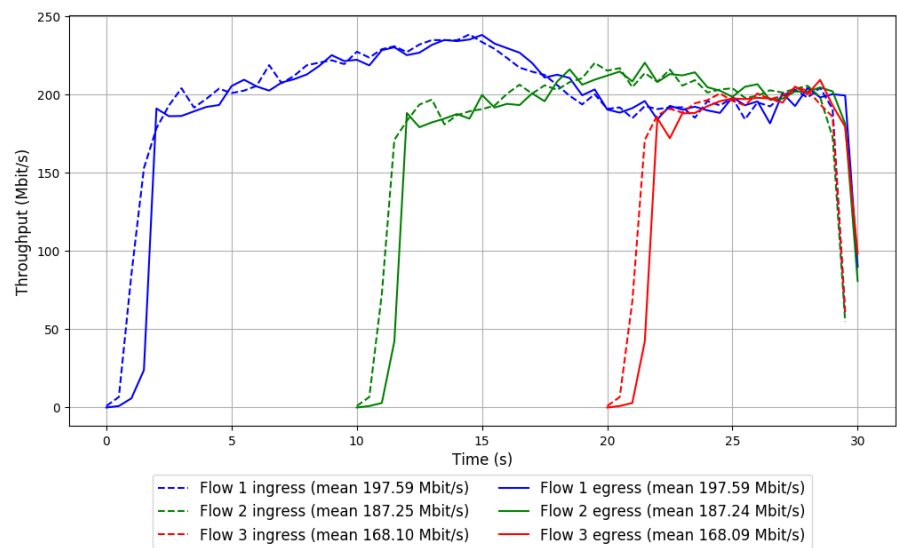
-- Flow 3:

Average throughput: 168.09 Mbit/s

95th percentile per-packet one-way delay: 91.829 ms

Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

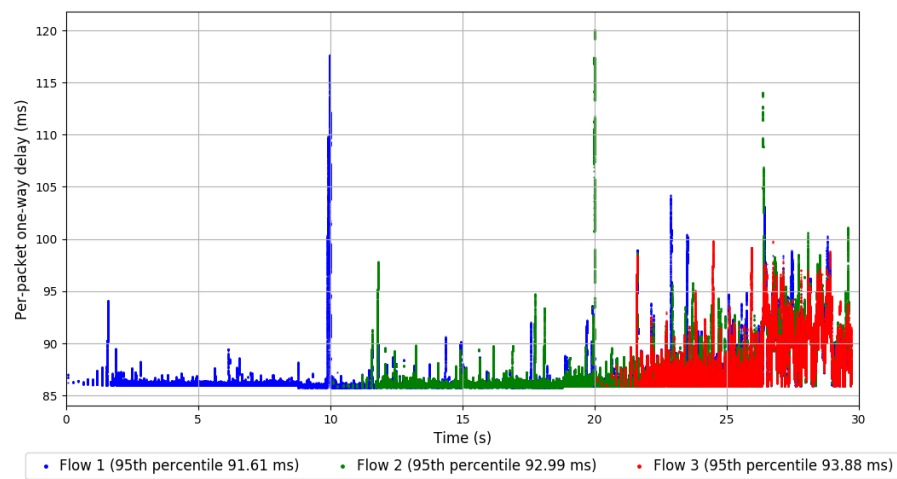
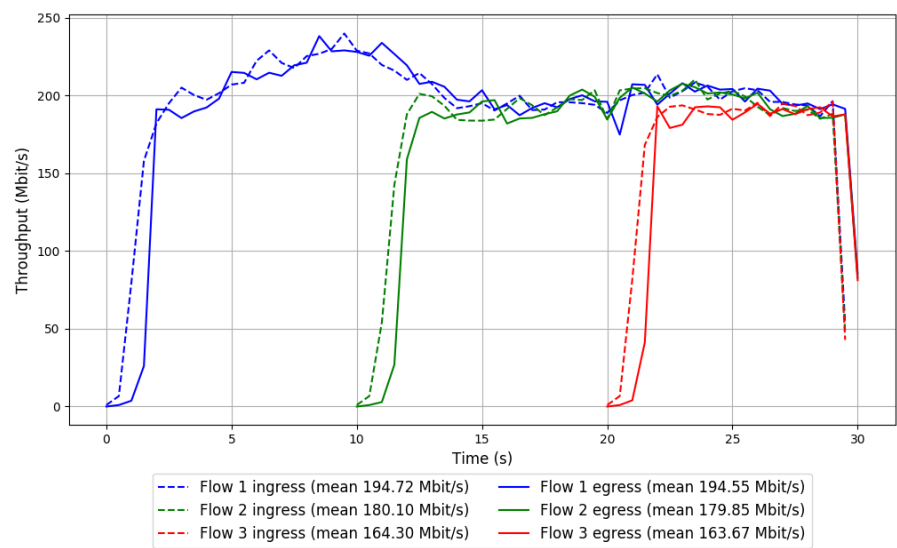


```
Run 10: Statistics of Indigo

Start at: 2018-05-24 08:28:01
End at: 2018-05-24 08:28:31
Local clock offset: 0.095 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at 2018-05-24 10:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 366.83 Mbit/s
95th percentile per-packet one-way delay: 92.673 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 194.55 Mbit/s
95th percentile per-packet one-way delay: 91.615 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 179.85 Mbit/s
95th percentile per-packet one-way delay: 92.987 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 163.67 Mbit/s
95th percentile per-packet one-way delay: 93.883 ms
Loss rate: 0.37%
```

Run 10: Report of Indigo — Data Link

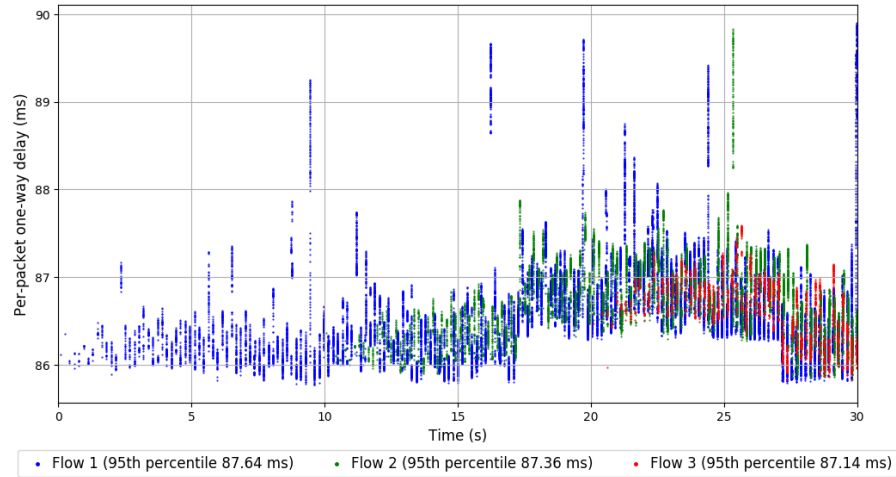
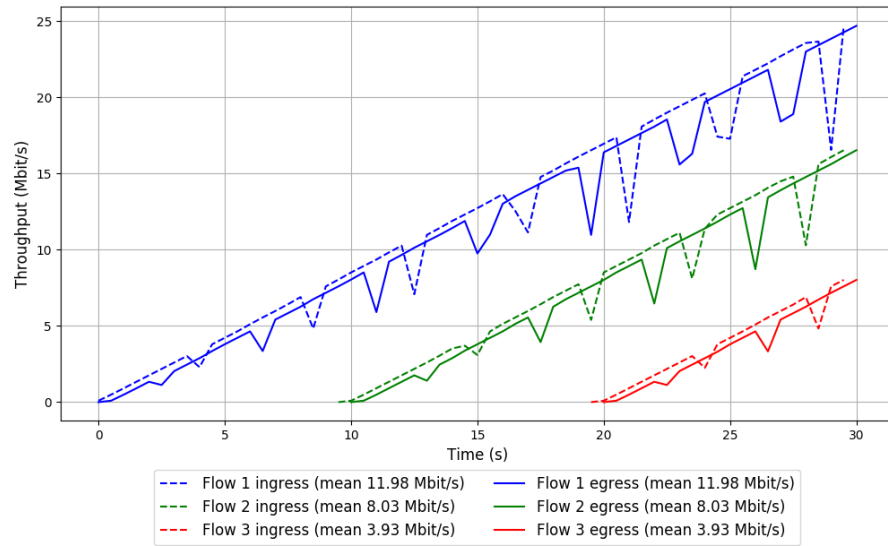


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-24 04:49:52
End at: 2018-05-24 04:50:23
Local clock offset: 0.21 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-24 10:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 87.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 87.642 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 87.362 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.137 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-24 05:13:55

End at: 2018-05-24 05:14:25

Local clock offset: 0.189 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.43 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.82 Mbit/s

95th percentile per-packet one-way delay: 87.979 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 87.772 ms

Loss rate: 0.00%

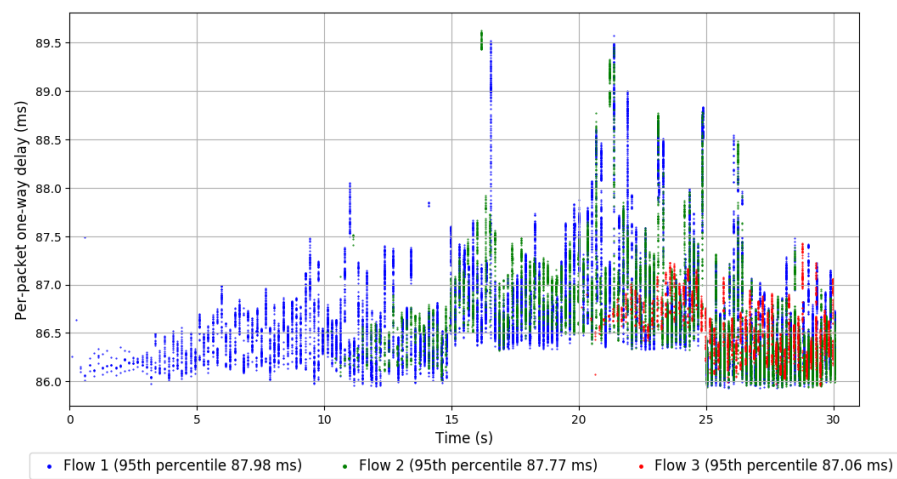
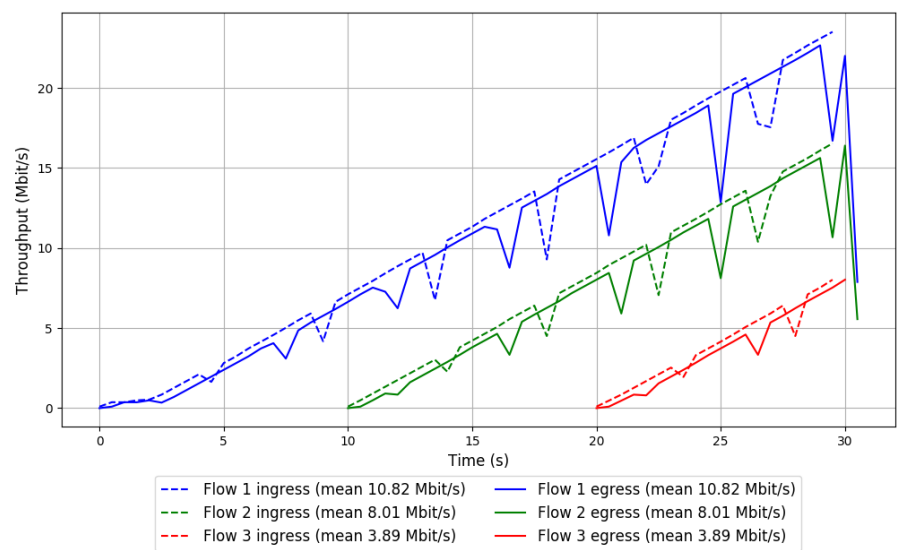
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 87.060 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

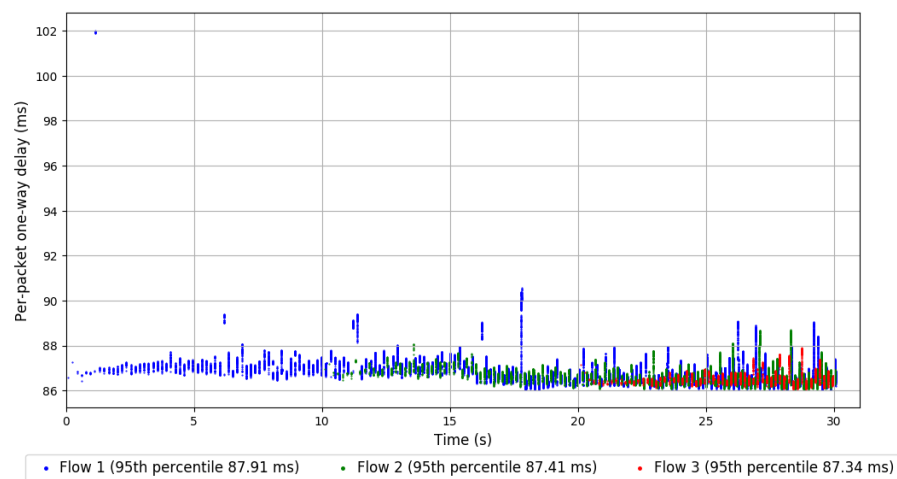
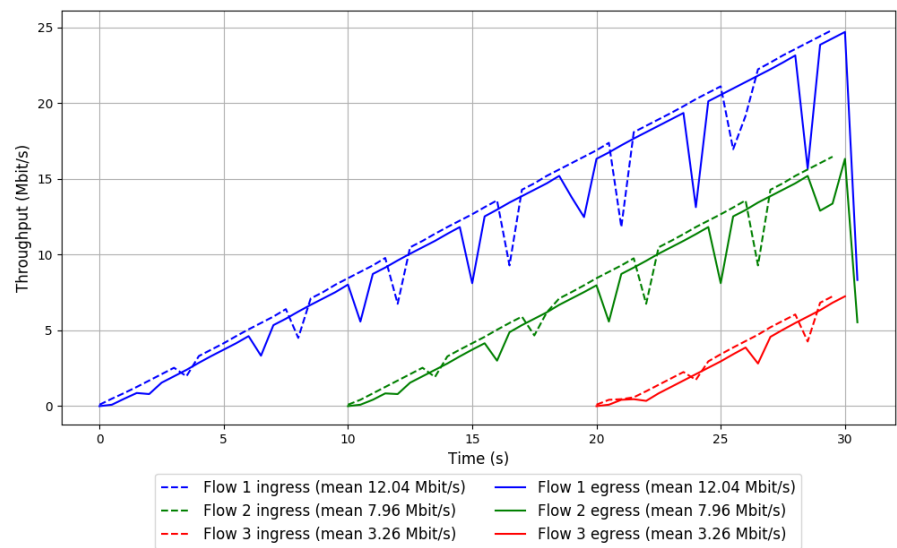


Run 3: Statistics of LEDBAT

Start at: 2018-05-24 05:37:54
End at: 2018-05-24 05:38:24
Local clock offset: 0.035 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 87.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 87.909 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 87.408 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.26 Mbit/s
95th percentile per-packet one-way delay: 87.341 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

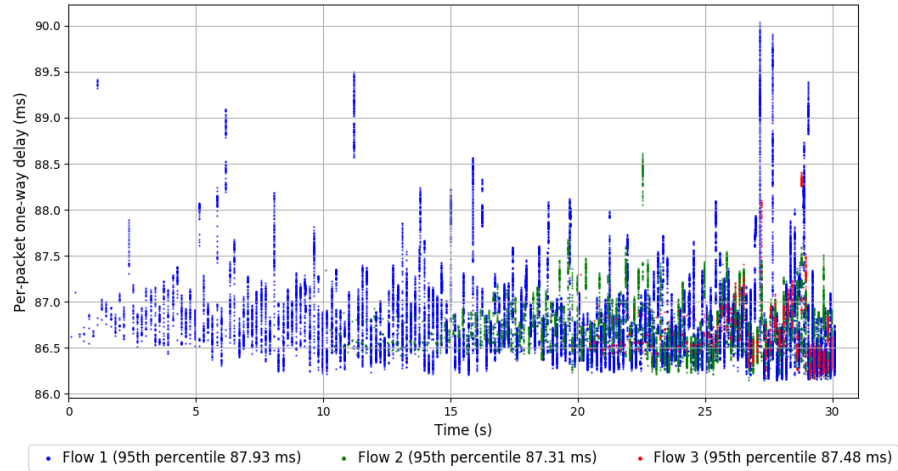
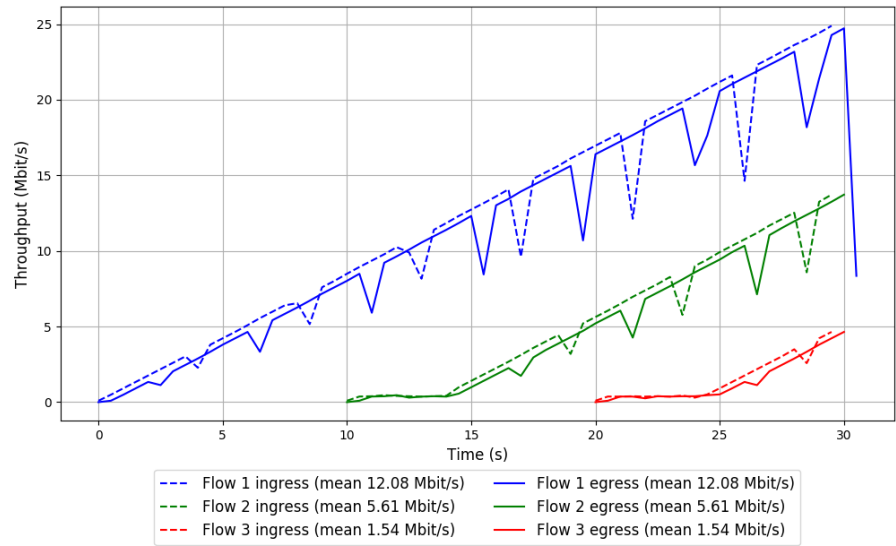


Run 4: Statistics of LEDBAT

Start at: 2018-05-24 06:02:04
End at: 2018-05-24 06:02:34
Local clock offset: -0.129 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 87.793 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 87.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.61 Mbit/s
95th percentile per-packet one-way delay: 87.315 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 87.482 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

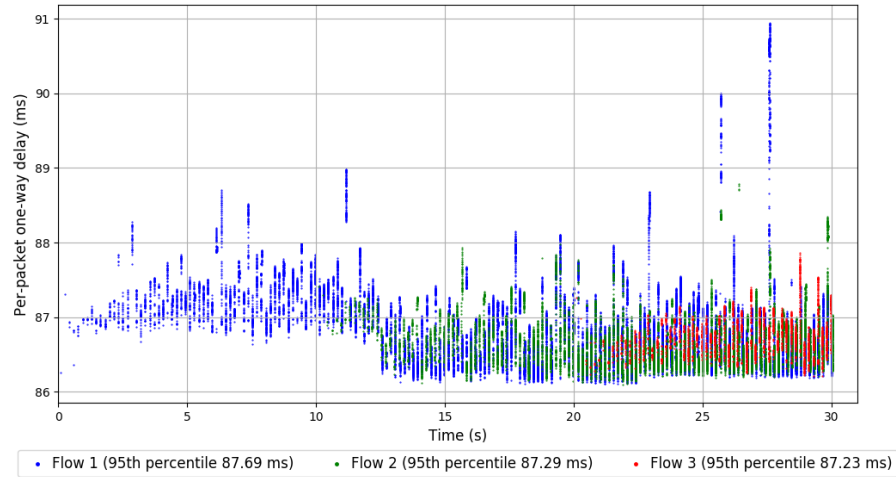
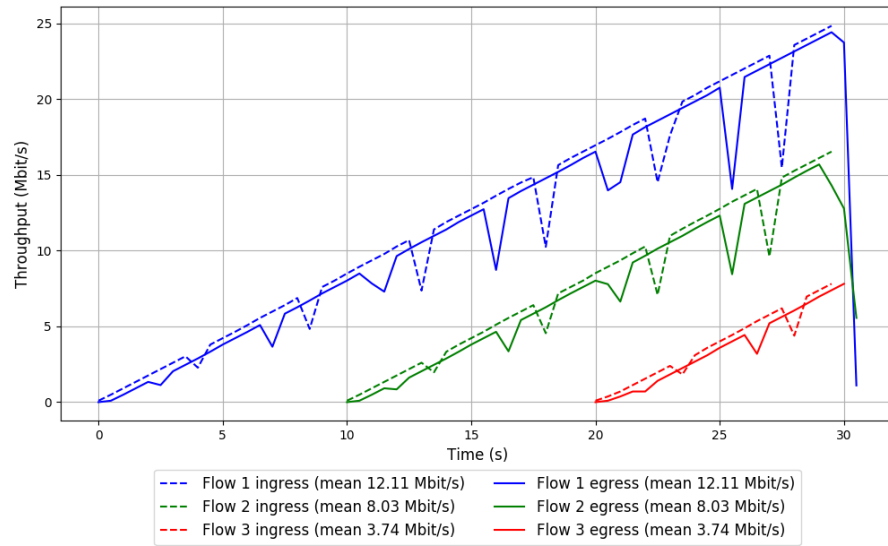


Run 5: Statistics of LEDBAT

Start at: 2018-05-24 06:26:07
End at: 2018-05-24 06:26:37
Local clock offset: -0.131 ms
Remote clock offset: -0.063 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 87.584 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 87.686 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 87.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 87.232 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

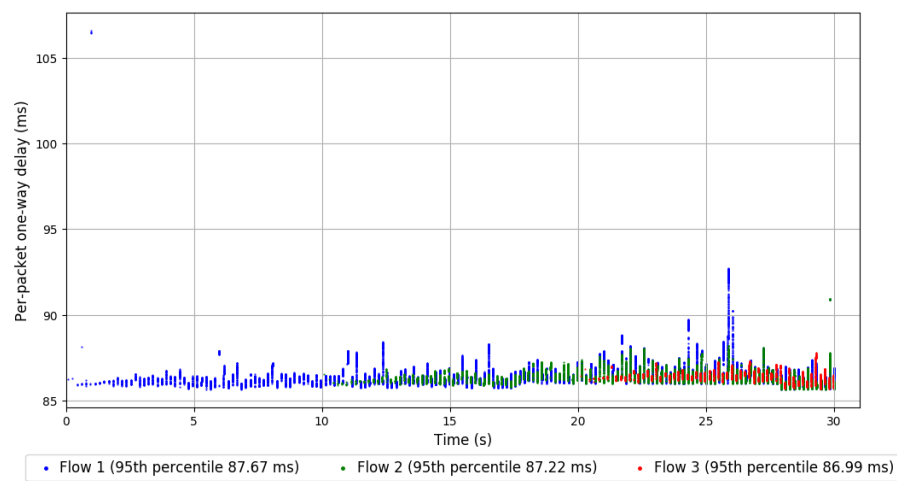
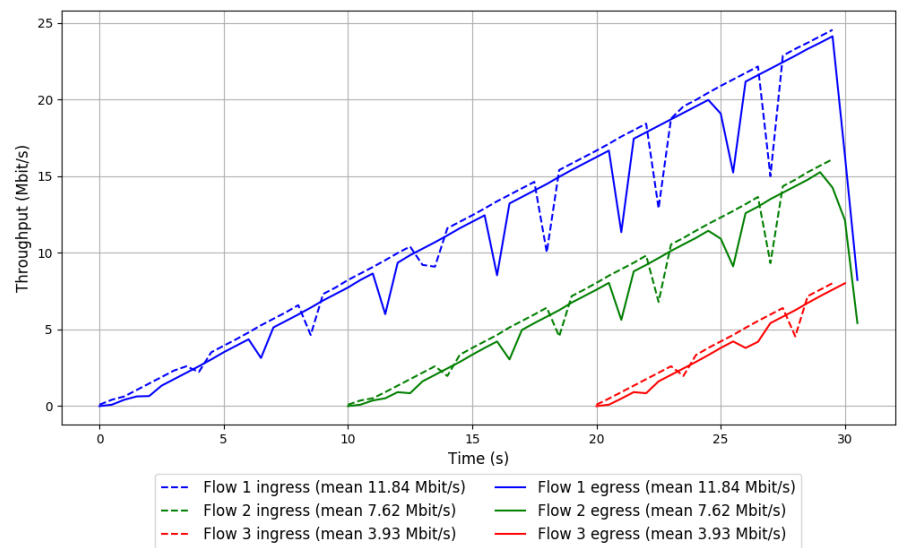


Run 6: Statistics of LEDBAT

Start at: 2018-05-24 06:50:12
End at: 2018-05-24 06:50:42
Local clock offset: 0.179 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 87.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.84 Mbit/s
95th percentile per-packet one-way delay: 87.672 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 87.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 86.987 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

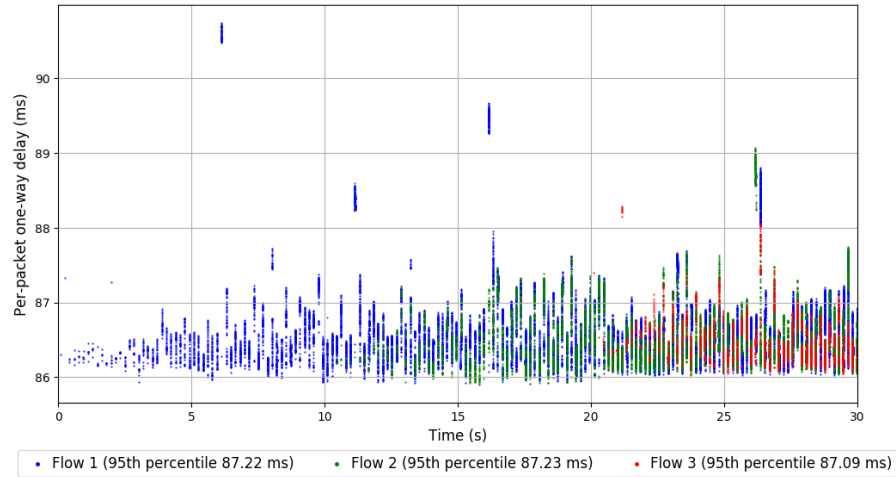
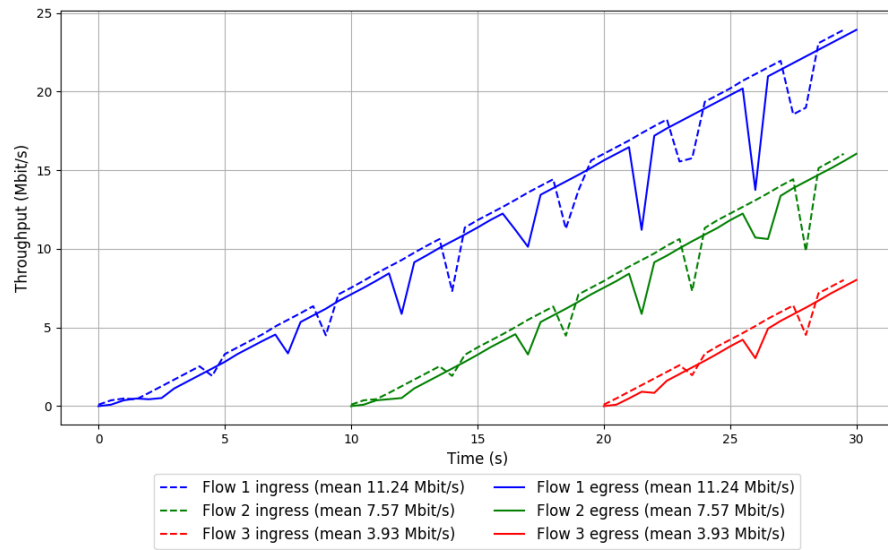


Run 7: Statistics of LEDBAT

Start at: 2018-05-24 07:14:19
End at: 2018-05-24 07:14:49
Local clock offset: -0.092 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.57 Mbit/s
95th percentile per-packet one-way delay: 87.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 87.216 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.57 Mbit/s
95th percentile per-packet one-way delay: 87.234 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.092 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-24 07:38:36

End at: 2018-05-24 07:39:06

Local clock offset: -0.185 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.91 Mbit/s

95th percentile per-packet one-way delay: 87.758 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 87.805 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 87.650 ms

Loss rate: 0.00%

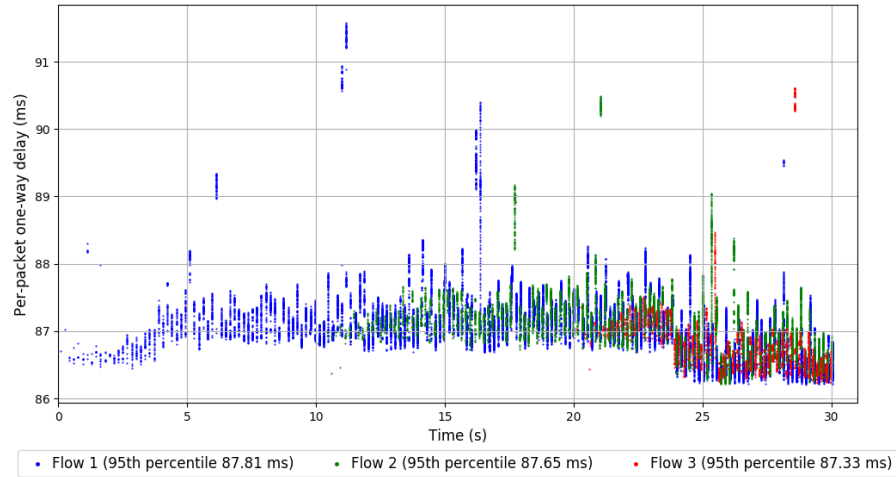
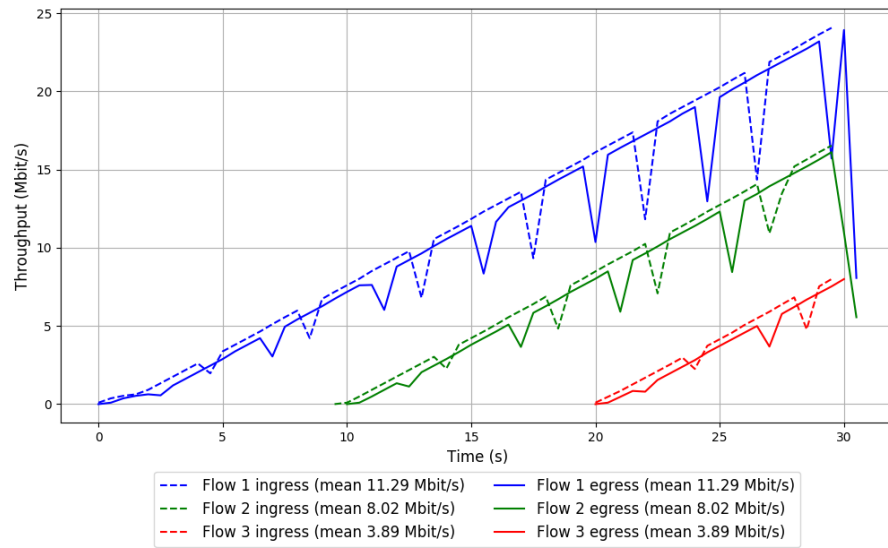
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 87.327 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-24 08:02:39

End at: 2018-05-24 08:03:09

Local clock offset: 0.018 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.49 Mbit/s

95th percentile per-packet one-way delay: 87.475 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.62 Mbit/s

95th percentile per-packet one-way delay: 87.503 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 87.468 ms

Loss rate: 0.00%

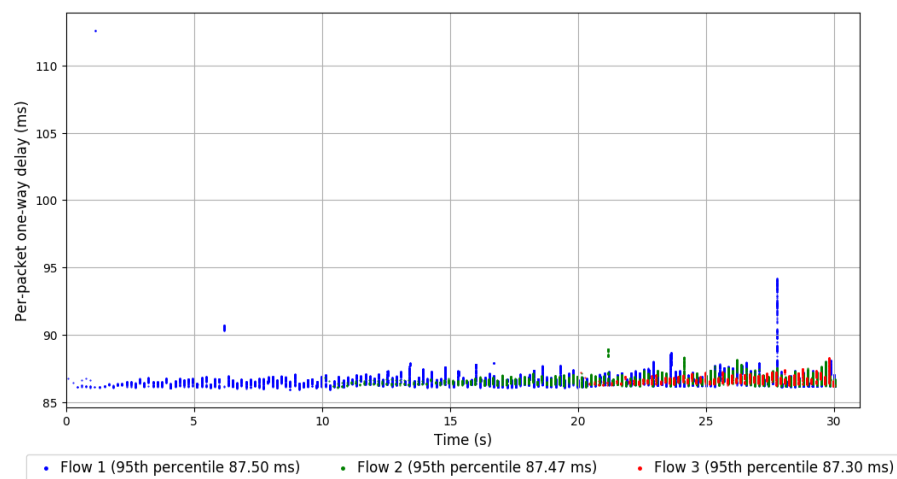
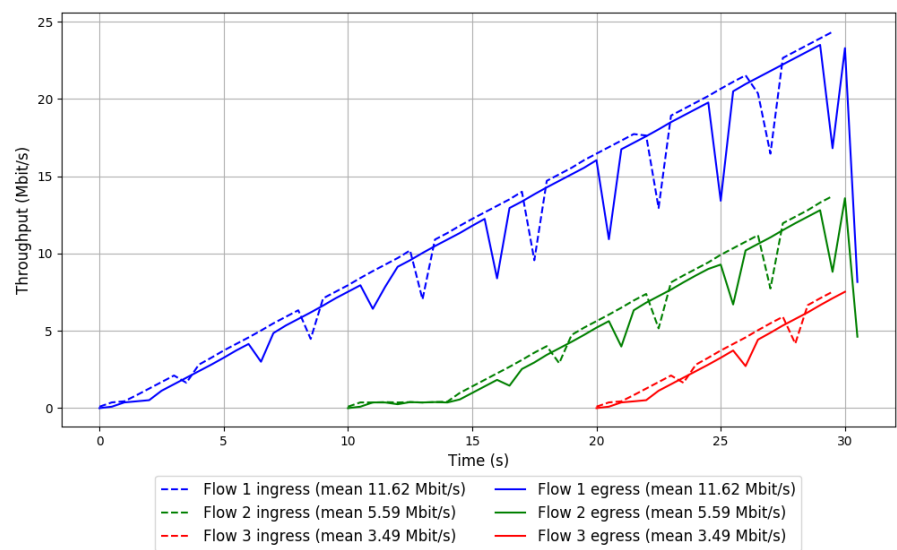
-- Flow 3:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 87.295 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-24 08:26:48

End at: 2018-05-24 08:27:18

Local clock offset: 0.405 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.22 Mbit/s

95th percentile per-packet one-way delay: 87.070 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.166 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 86.850 ms

Loss rate: 0.00%

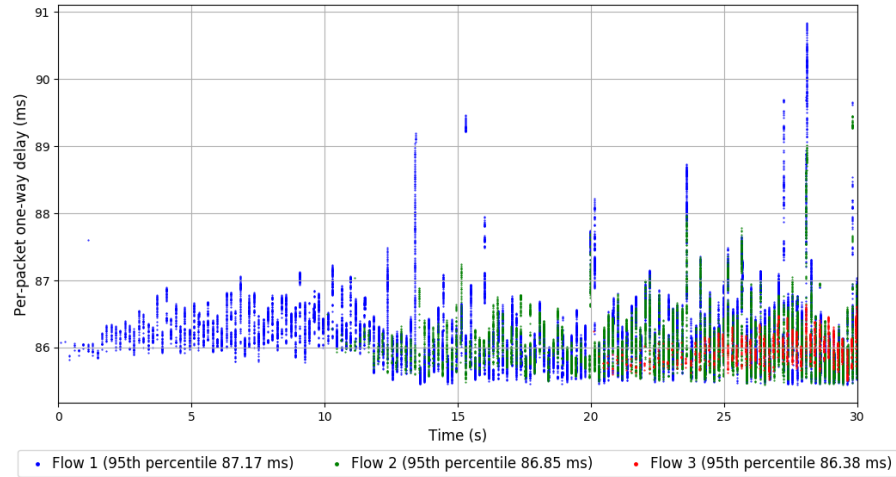
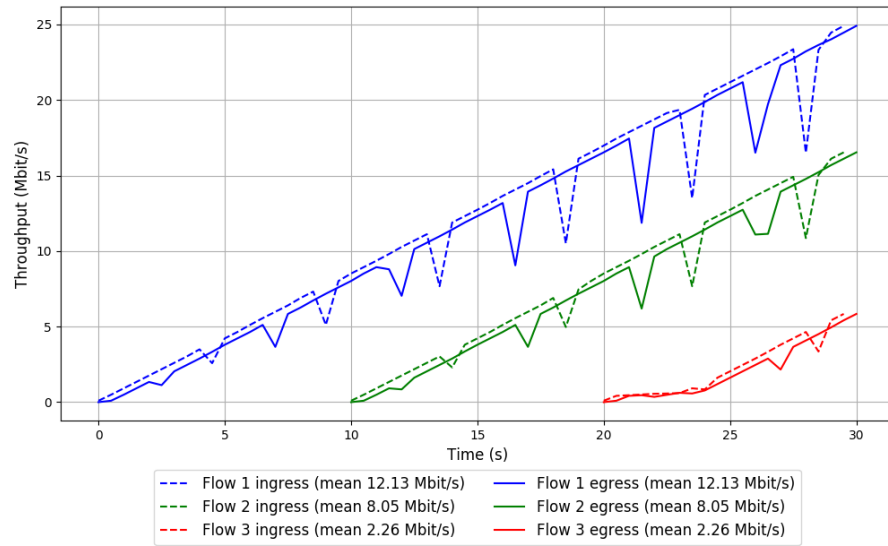
-- Flow 3:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 86.378 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

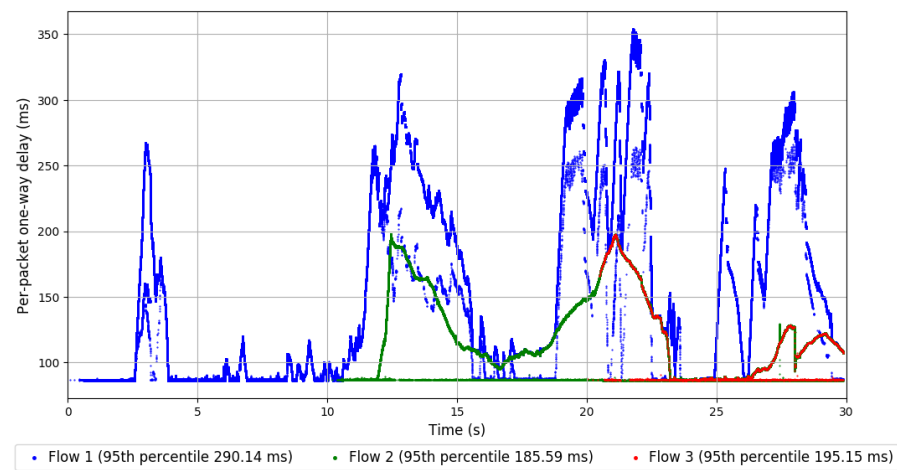
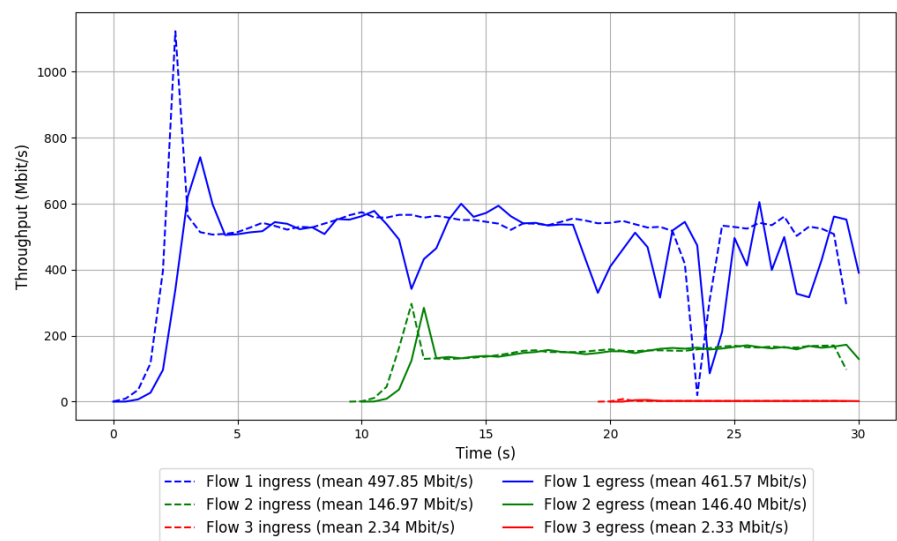


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-24 04:48:19
End at: 2018-05-24 04:48:49
Local clock offset: -0.292 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 559.87 Mbit/s
95th percentile per-packet one-way delay: 284.724 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 461.57 Mbit/s
95th percentile per-packet one-way delay: 290.140 ms
Loss rate: 7.28%
-- Flow 2:
Average throughput: 146.40 Mbit/s
95th percentile per-packet one-way delay: 185.590 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 195.154 ms
Loss rate: 0.37%

Run 1: Report of PCC-Allegro — Data Link

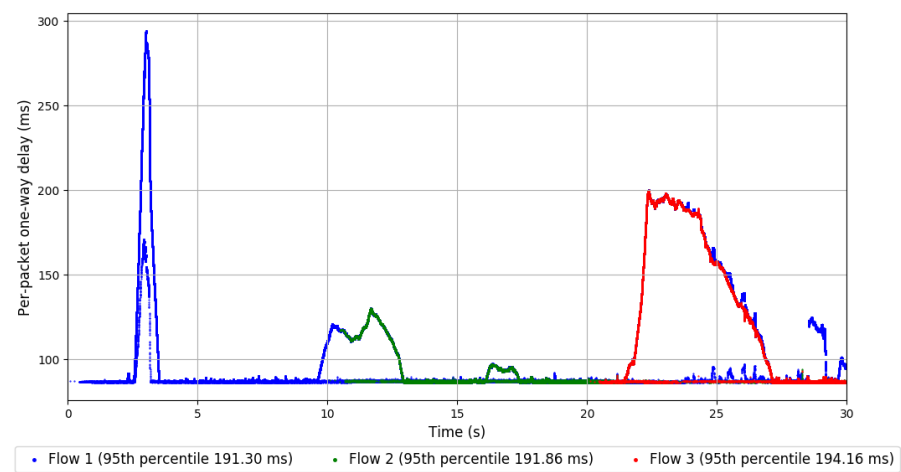
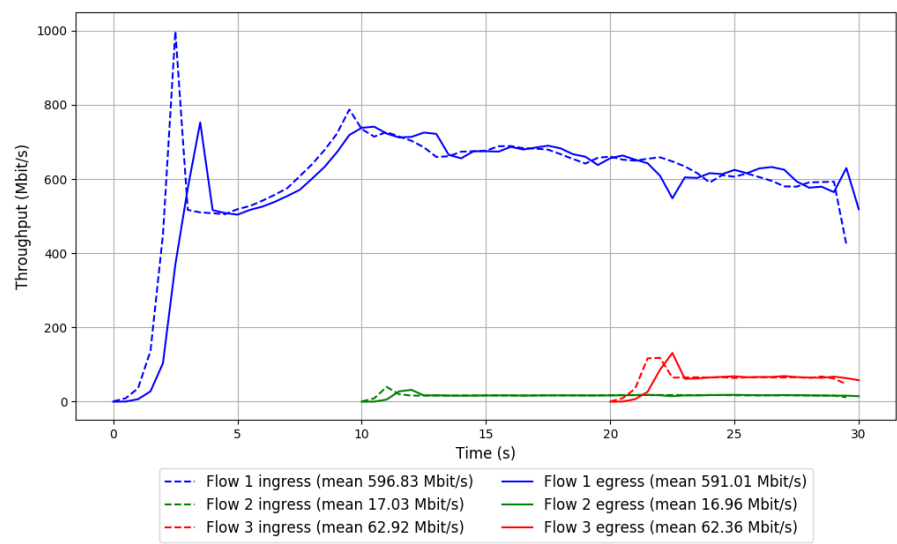


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-24 05:12:19
End at: 2018-05-24 05:12:49
Local clock offset: -0.234 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 622.82 Mbit/s
95th percentile per-packet one-way delay: 191.847 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 591.01 Mbit/s
95th percentile per-packet one-way delay: 191.297 ms
Loss rate: 0.97%
-- Flow 2:
Average throughput: 16.96 Mbit/s
95th percentile per-packet one-way delay: 191.862 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 194.156 ms
Loss rate: 0.89%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-24 05:36:22

End at: 2018-05-24 05:36:52

Local clock offset: 0.106 ms

Remote clock offset: 0.009 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 515.81 Mbit/s

95th percentile per-packet one-way delay: 223.878 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 492.38 Mbit/s

95th percentile per-packet one-way delay: 216.976 ms

Loss rate: 2.33%

-- Flow 2:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 224.521 ms

Loss rate: 2.38%

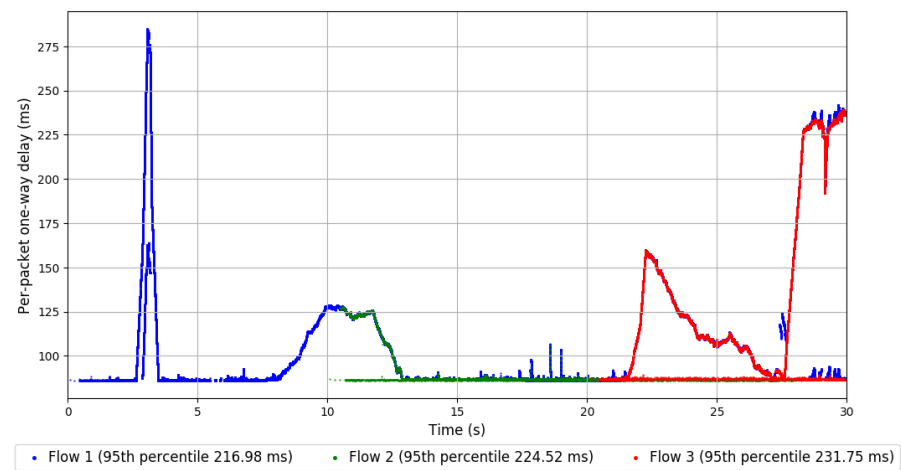
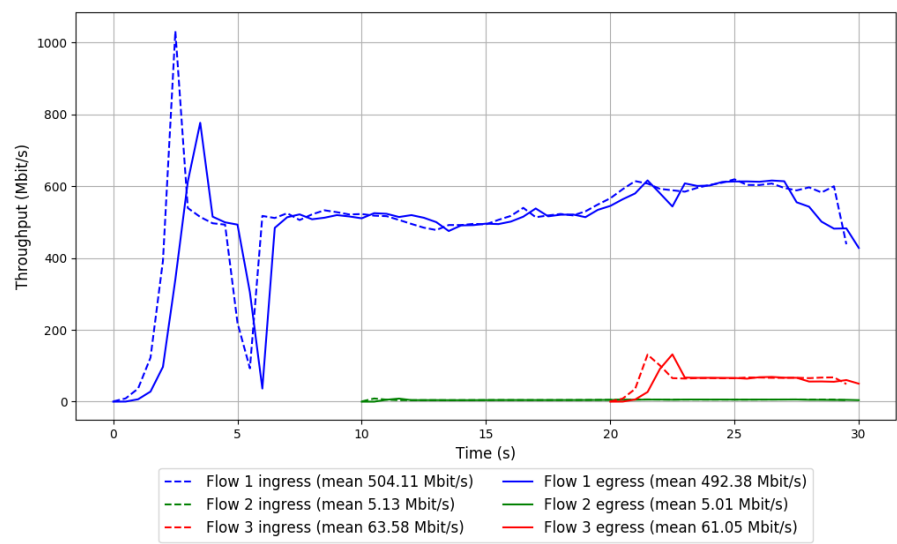
-- Flow 3:

Average throughput: 61.05 Mbit/s

95th percentile per-packet one-way delay: 231.745 ms

Loss rate: 3.97%

Run 3: Report of PCC-Allegro — Data Link

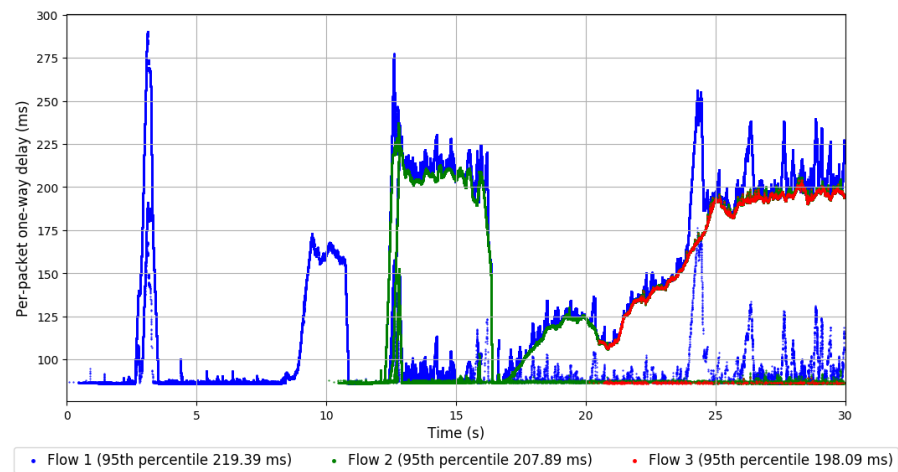
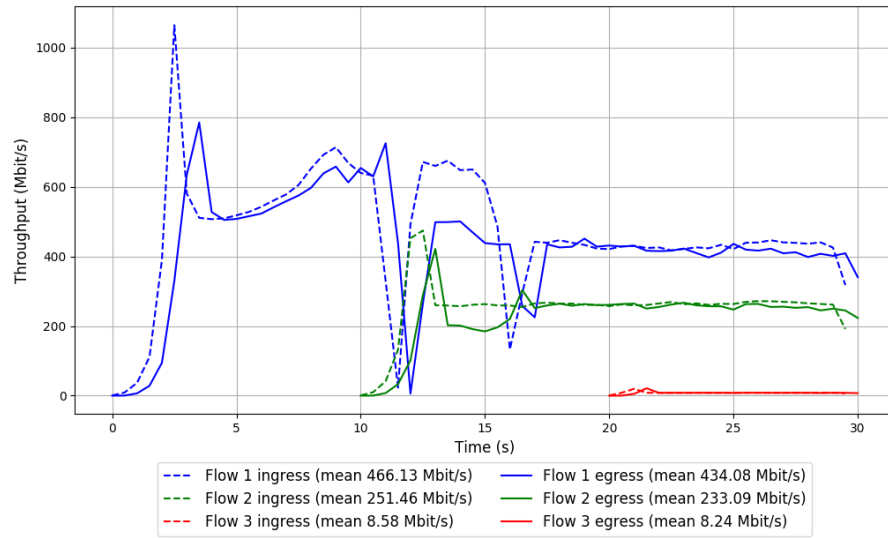


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-24 06:00:28
End at: 2018-05-24 06:00:58
Local clock offset: 0.0 ms
Remote clock offset: -0.038 ms

```
# Below is generated by plot.py at 2018-05-24 10:10:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 591.74 Mbit/s
95th percentile per-packet one-way delay: 216.170 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 434.08 Mbit/s
95th percentile per-packet one-way delay: 219.390 ms
Loss rate: 6.88%
-- Flow 2:
Average throughput: 233.09 Mbit/s
95th percentile per-packet one-way delay: 207.887 ms
Loss rate: 7.31%
-- Flow 3:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 198.085 ms
Loss rate: 4.04%
```

Run 4: Report of PCC-Allegro — Data Link

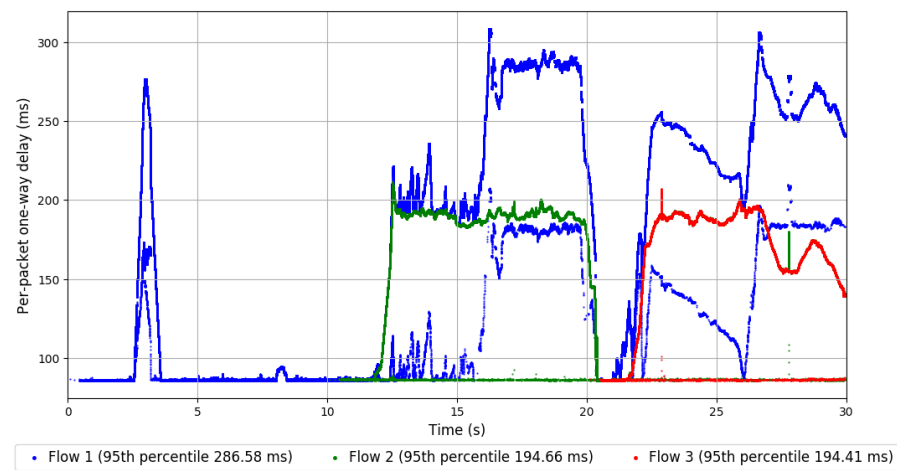
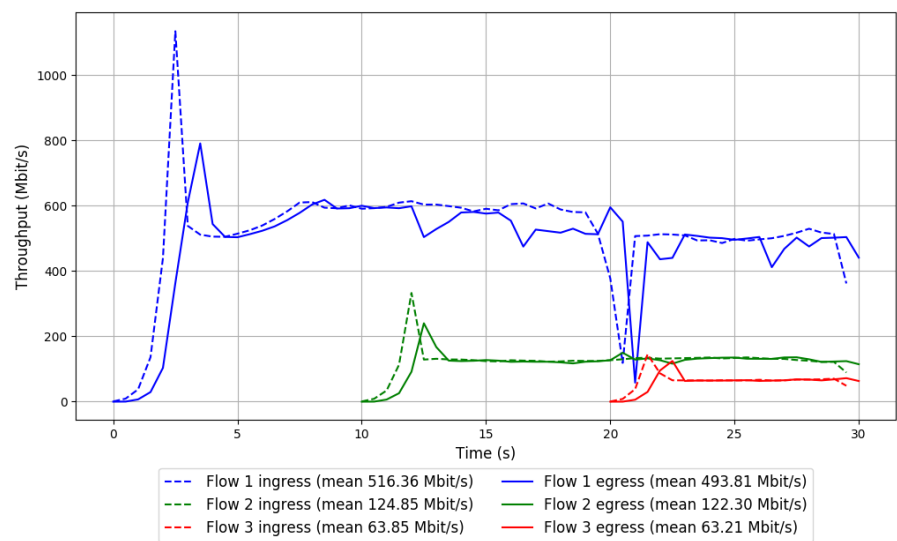


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-24 06:24:31
End at: 2018-05-24 06:25:01
Local clock offset: 0.344 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-24 10:10:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 595.85 Mbit/s
95th percentile per-packet one-way delay: 286.038 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 493.81 Mbit/s
95th percentile per-packet one-way delay: 286.580 ms
Loss rate: 4.37%
-- Flow 2:
Average throughput: 122.30 Mbit/s
95th percentile per-packet one-way delay: 194.663 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 194.411 ms
Loss rate: 0.98%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-24 06:48:37

End at: 2018-05-24 06:49:07

Local clock offset: -0.217 ms

Remote clock offset: 0.088 ms

Below is generated by plot.py at 2018-05-24 10:10:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 583.27 Mbit/s

95th percentile per-packet one-way delay: 268.779 ms

Loss rate: 5.39%

-- Flow 1:

Average throughput: 538.51 Mbit/s

95th percentile per-packet one-way delay: 271.250 ms

Loss rate: 5.56%

-- Flow 2:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 189.765 ms

Loss rate: 1.17%

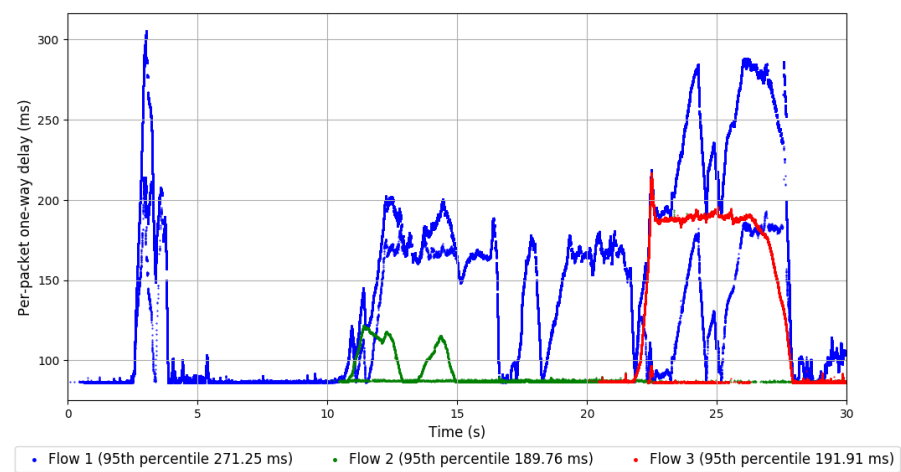
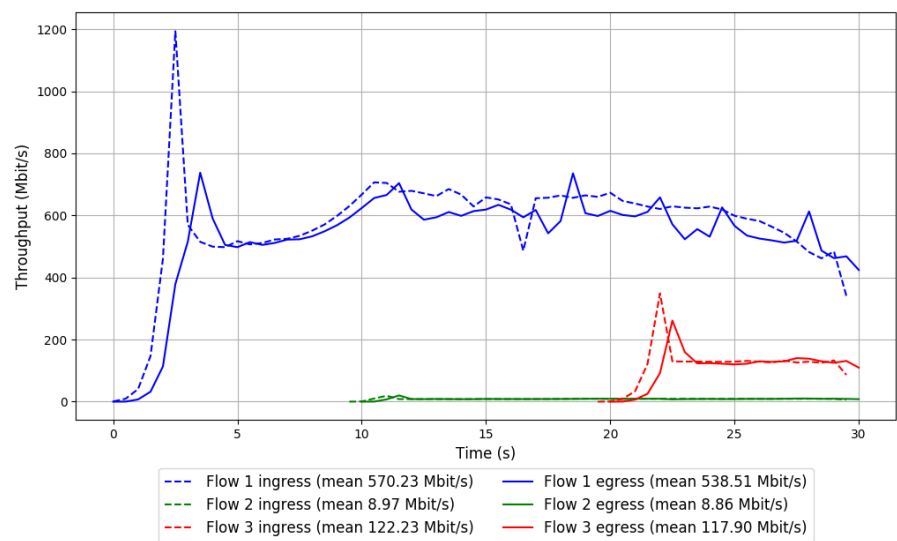
-- Flow 3:

Average throughput: 117.90 Mbit/s

95th percentile per-packet one-way delay: 191.914 ms

Loss rate: 3.56%

Run 6: Report of PCC-Allegro — Data Link

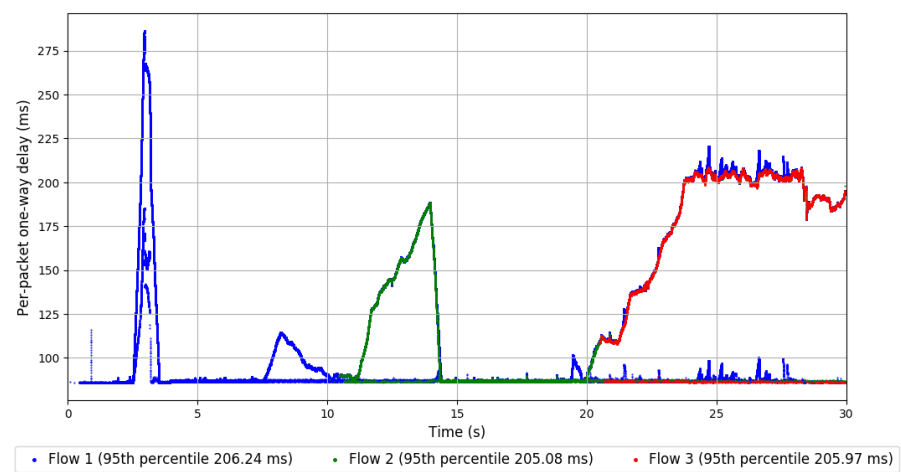
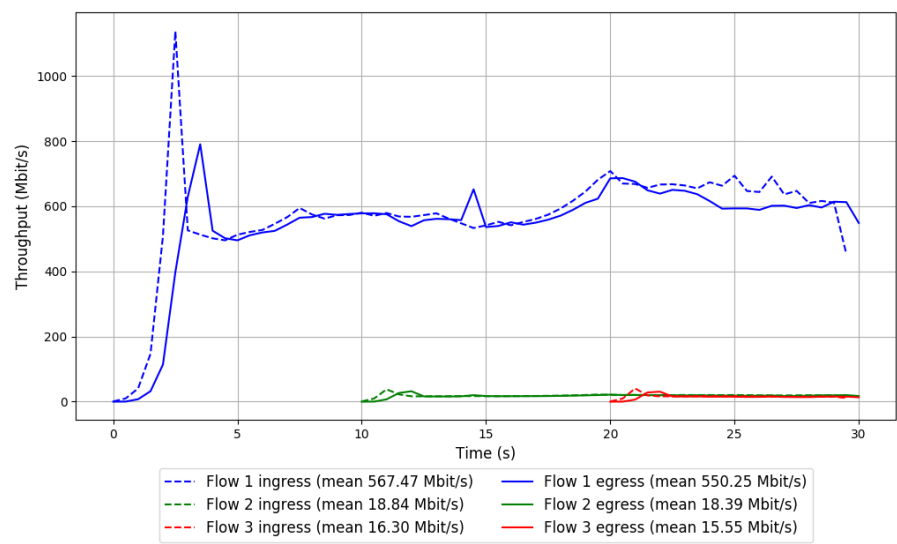


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-24 07:12:46
End at: 2018-05-24 07:13:16
Local clock offset: -0.048 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 10:15:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 567.53 Mbit/s
95th percentile per-packet one-way delay: 206.198 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 550.25 Mbit/s
95th percentile per-packet one-way delay: 206.238 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 205.078 ms
Loss rate: 2.40%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 205.973 ms
Loss rate: 4.63%

Run 7: Report of PCC-Allegro — Data Link

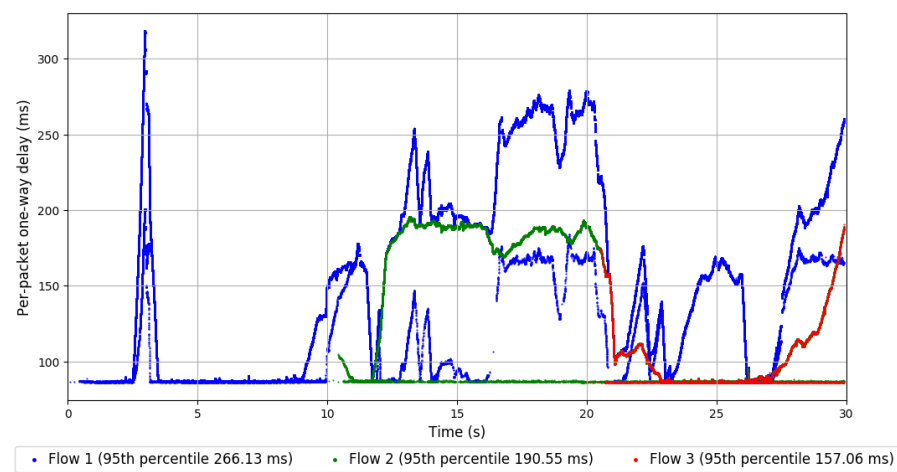
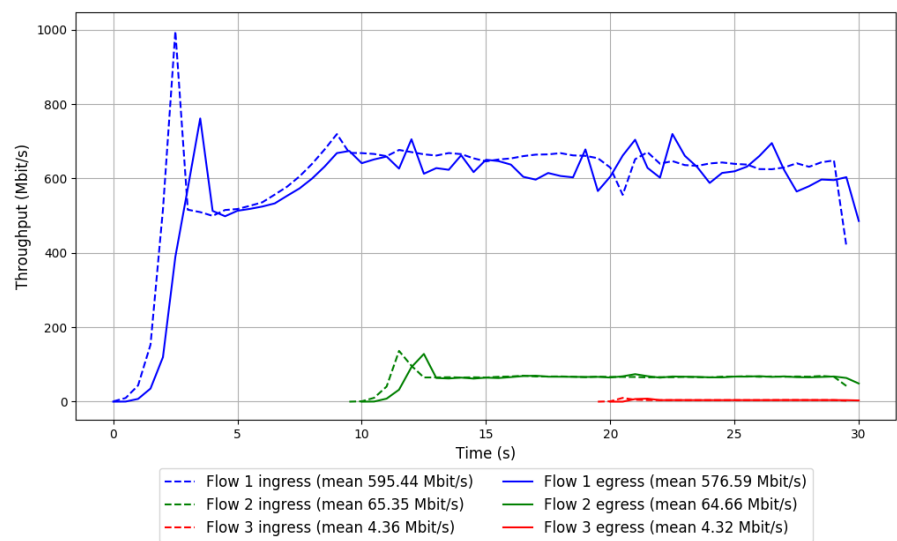


Run 8: Statistics of PCC-Allegro

Start at: 2018-05-24 07:37:00
End at: 2018-05-24 07:37:30
Local clock offset: -0.275 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 10:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 621.01 Mbit/s
95th percentile per-packet one-way delay: 265.591 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 576.59 Mbit/s
95th percentile per-packet one-way delay: 266.133 ms
Loss rate: 3.17%
-- Flow 2:
Average throughput: 64.66 Mbit/s
95th percentile per-packet one-way delay: 190.552 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 4.32 Mbit/s
95th percentile per-packet one-way delay: 157.056 ms
Loss rate: 0.87%

Run 8: Report of PCC-Allegro — Data Link

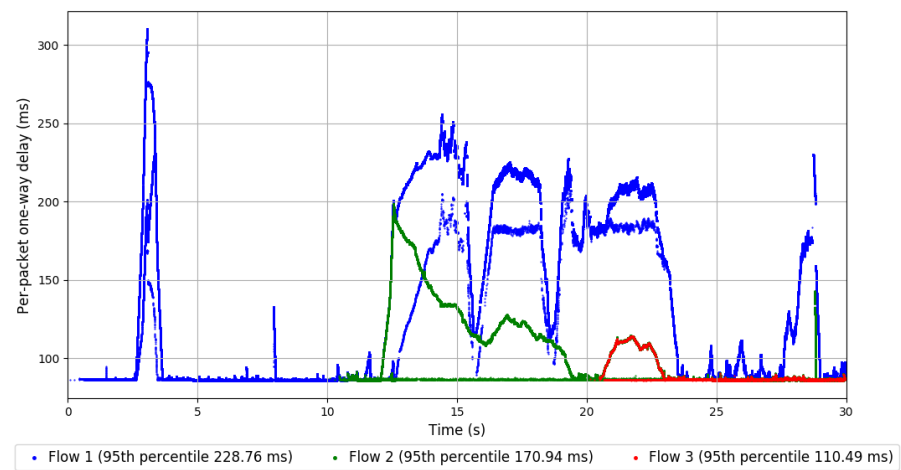
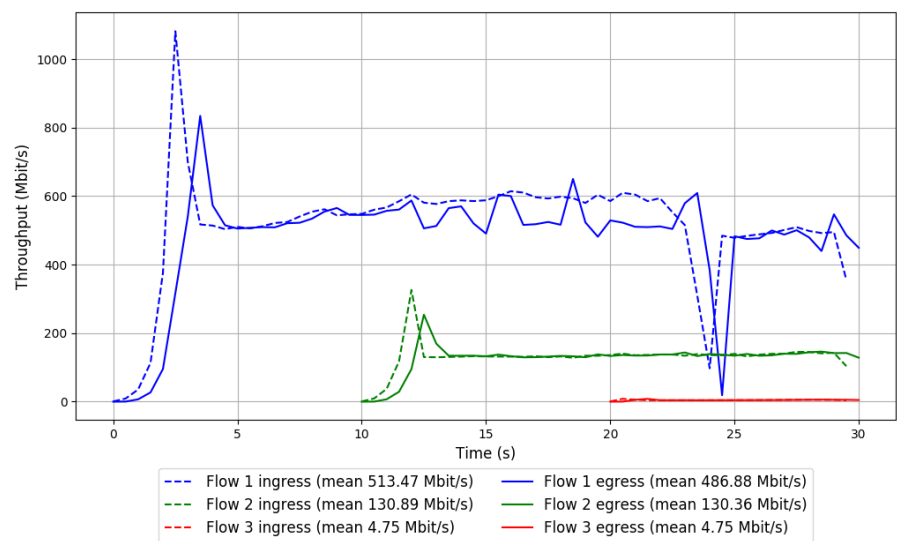


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-24 08:01:05
End at: 2018-05-24 08:01:35
Local clock offset: 0.181 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-24 10:16:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 575.09 Mbit/s
95th percentile per-packet one-way delay: 227.692 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 486.88 Mbit/s
95th percentile per-packet one-way delay: 228.762 ms
Loss rate: 5.17%
-- Flow 2:
Average throughput: 130.36 Mbit/s
95th percentile per-packet one-way delay: 170.935 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 4.75 Mbit/s
95th percentile per-packet one-way delay: 110.494 ms
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-24 08:25:15

End at: 2018-05-24 08:25:45

Local clock offset: 0.168 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-05-24 10:17:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 570.05 Mbit/s

95th percentile per-packet one-way delay: 199.955 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 536.51 Mbit/s

95th percentile per-packet one-way delay: 200.463 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 19.98 Mbit/s

95th percentile per-packet one-way delay: 198.287 ms

Loss rate: 0.10%

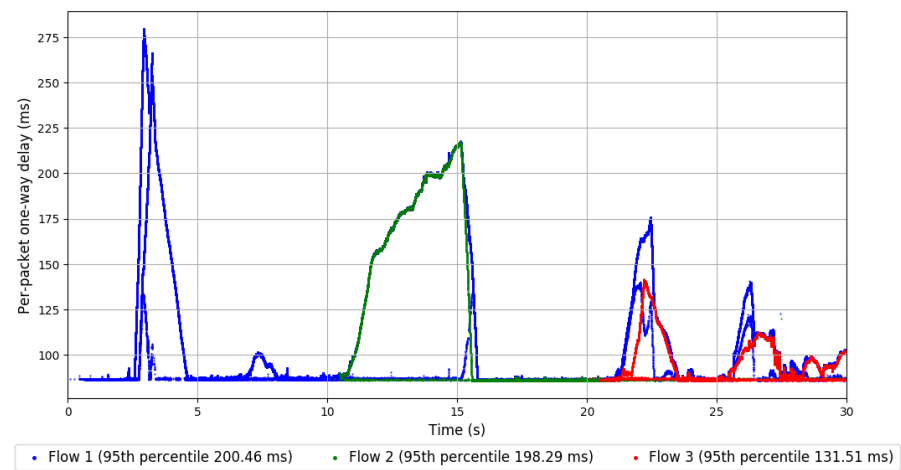
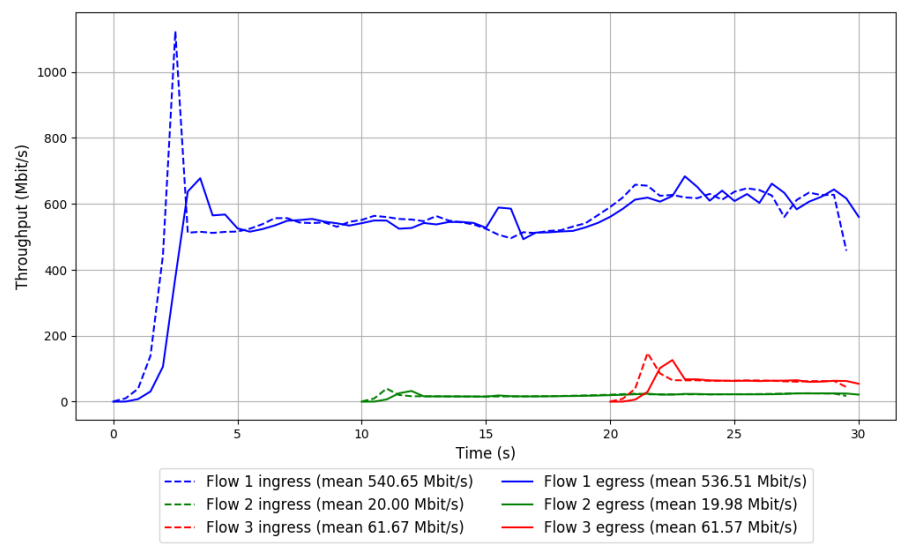
-- Flow 3:

Average throughput: 61.57 Mbit/s

95th percentile per-packet one-way delay: 131.514 ms

Loss rate: 0.17%

Run 10: Report of PCC-Allegro — Data Link

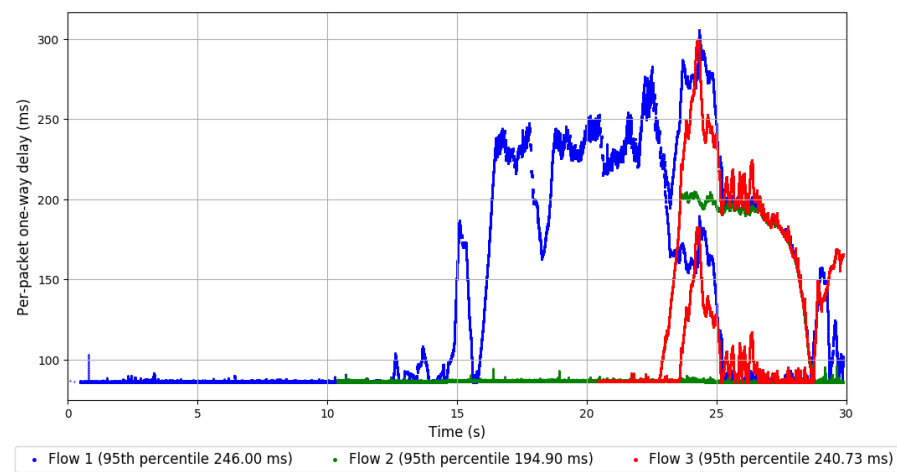
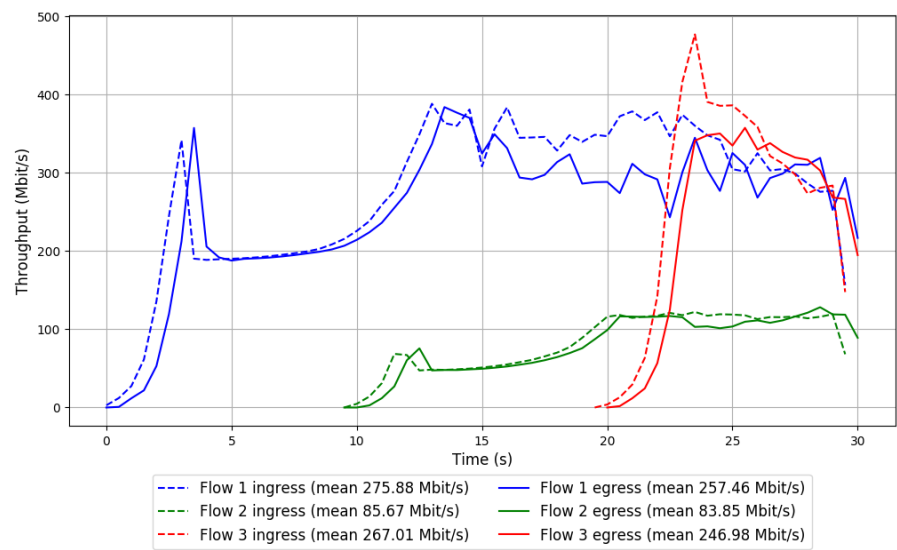


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-24 04:56:45
End at: 2018-05-24 04:57:15
Local clock offset: 0.14 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2018-05-24 10:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 395.12 Mbit/s
95th percentile per-packet one-way delay: 242.960 ms
Loss rate: 6.23%
-- Flow 1:
Average throughput: 257.46 Mbit/s
95th percentile per-packet one-way delay: 245.995 ms
Loss rate: 6.68%
-- Flow 2:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 194.902 ms
Loss rate: 2.13%
-- Flow 3:
Average throughput: 246.98 Mbit/s
95th percentile per-packet one-way delay: 240.731 ms
Loss rate: 7.50%
```

Run 1: Report of PCC-Expr — Data Link

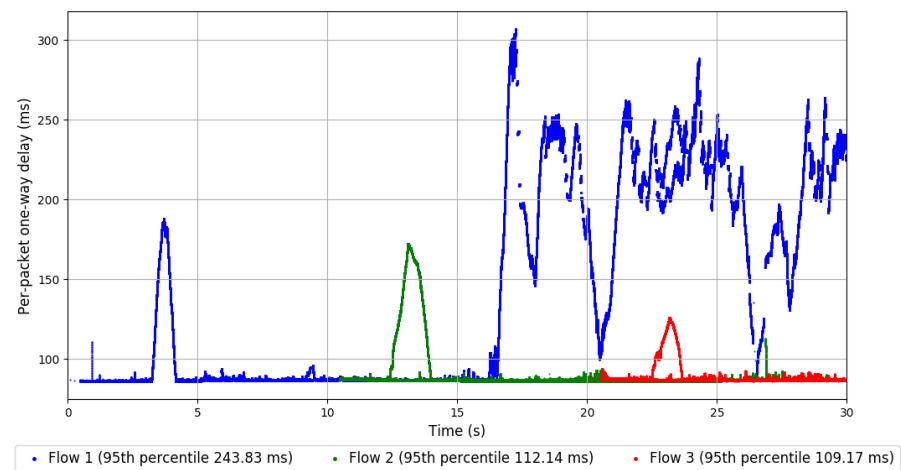
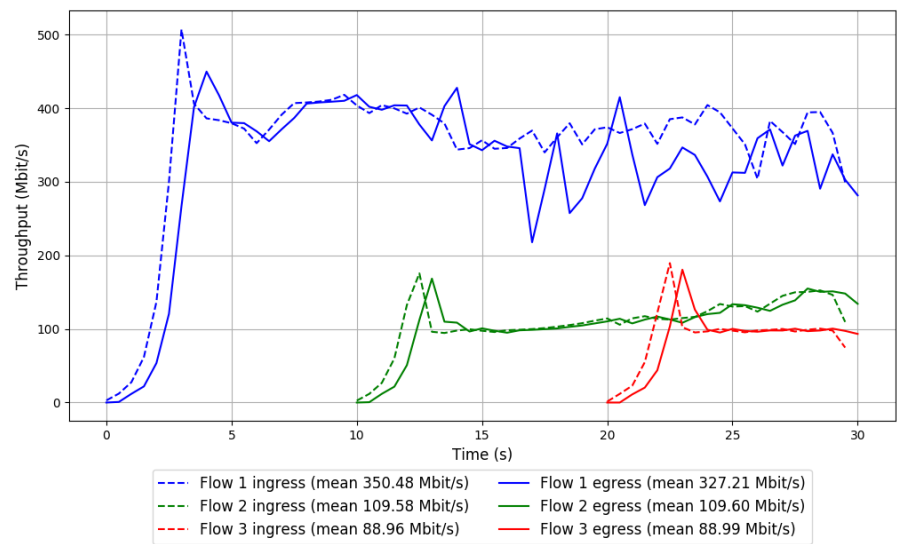


Run 2: Statistics of PCC-Expr

Start at: 2018-05-24 05:20:54
End at: 2018-05-24 05:21:24
Local clock offset: 0.026 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 10:22:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 429.46 Mbit/s
95th percentile per-packet one-way delay: 240.469 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 327.21 Mbit/s
95th percentile per-packet one-way delay: 243.828 ms
Loss rate: 6.64%
-- Flow 2:
Average throughput: 109.60 Mbit/s
95th percentile per-packet one-way delay: 112.144 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 88.99 Mbit/s
95th percentile per-packet one-way delay: 109.169 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-05-24 05:44:57

End at: 2018-05-24 05:45:27

Local clock offset: 0.162 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-05-24 10:22:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.48 Mbit/s

95th percentile per-packet one-way delay: 207.693 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 196.24 Mbit/s

95th percentile per-packet one-way delay: 218.984 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 181.61 Mbit/s

95th percentile per-packet one-way delay: 201.461 ms

Loss rate: 1.23%

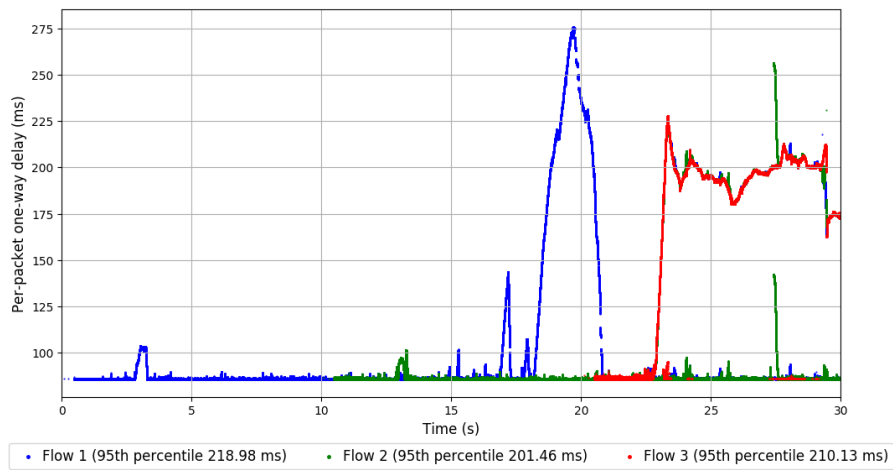
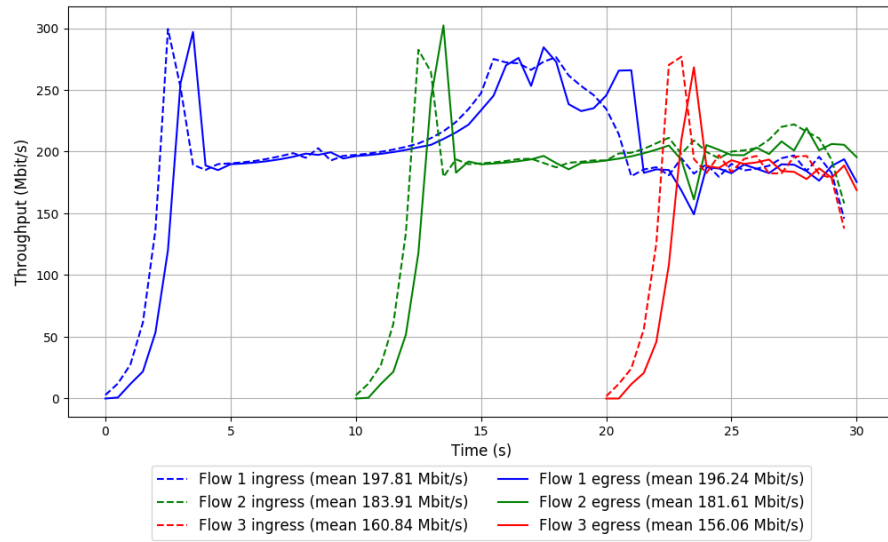
-- Flow 3:

Average throughput: 156.06 Mbit/s

95th percentile per-packet one-way delay: 210.135 ms

Loss rate: 2.97%

Run 3: Report of PCC-Expr — Data Link

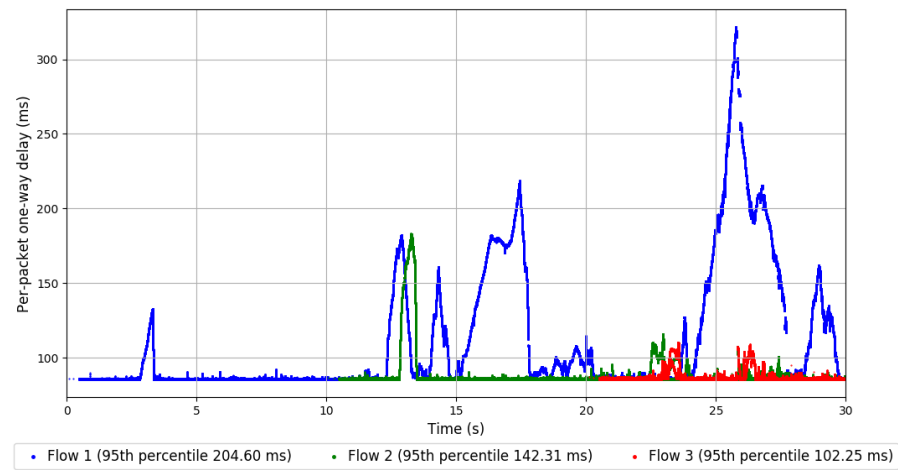
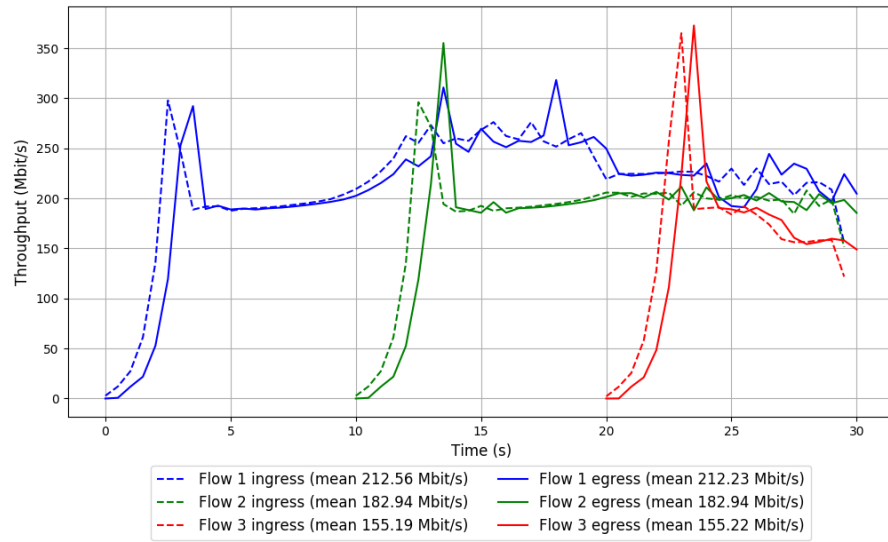


Run 4: Statistics of PCC-Expr

Start at: 2018-05-24 06:09:08
End at: 2018-05-24 06:09:38
Local clock offset: 0.352 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-24 10:22:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 385.11 Mbit/s
95th percentile per-packet one-way delay: 184.266 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 212.23 Mbit/s
95th percentile per-packet one-way delay: 204.599 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 182.94 Mbit/s
95th percentile per-packet one-way delay: 142.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.22 Mbit/s
95th percentile per-packet one-way delay: 102.248 ms
Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

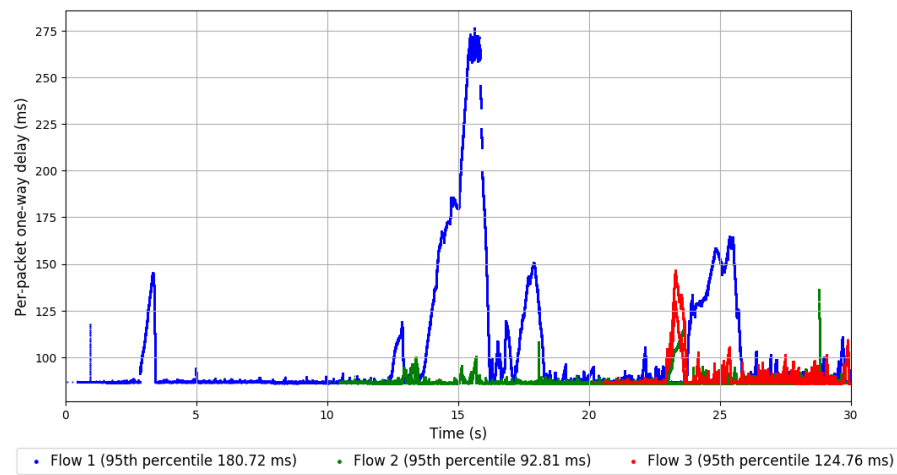
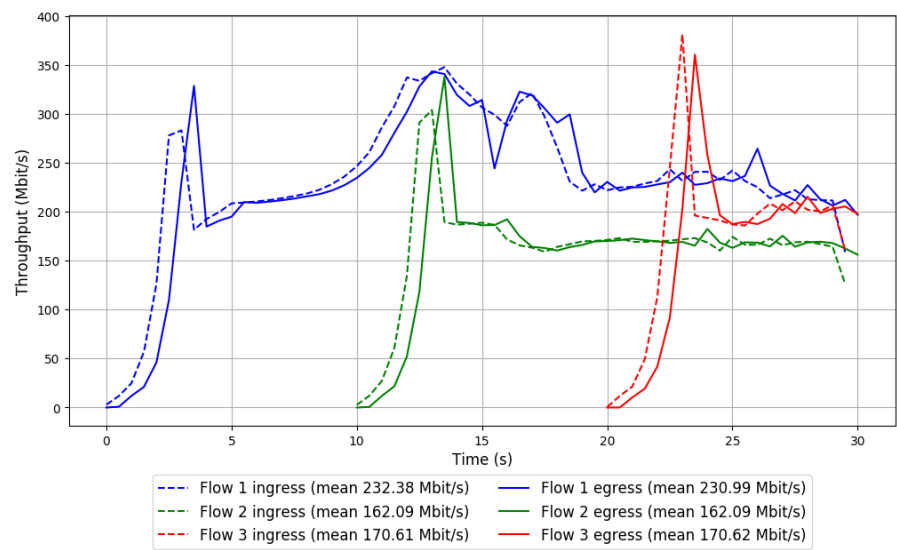


Run 5: Statistics of PCC-Expr

Start at: 2018-05-24 06:33:12
End at: 2018-05-24 06:33:42
Local clock offset: -0.064 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 10:28:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.09 Mbit/s
95th percentile per-packet one-way delay: 157.788 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 230.99 Mbit/s
95th percentile per-packet one-way delay: 180.718 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 162.09 Mbit/s
95th percentile per-packet one-way delay: 92.805 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 170.62 Mbit/s
95th percentile per-packet one-way delay: 124.756 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link

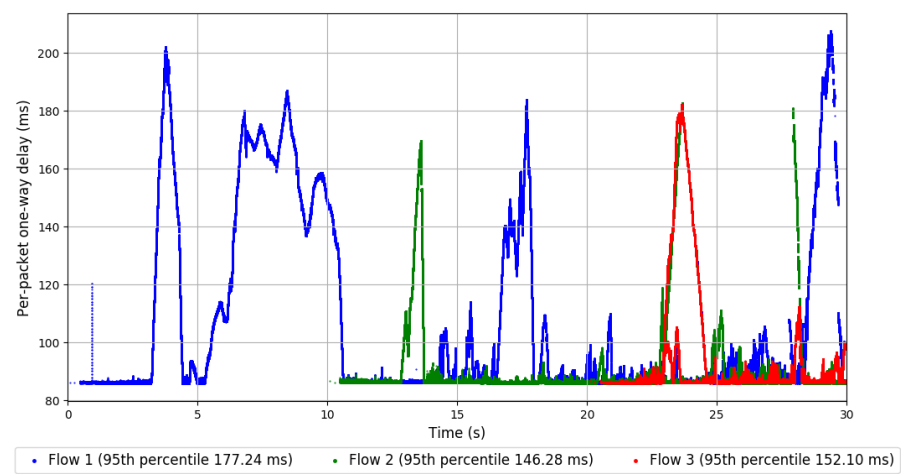
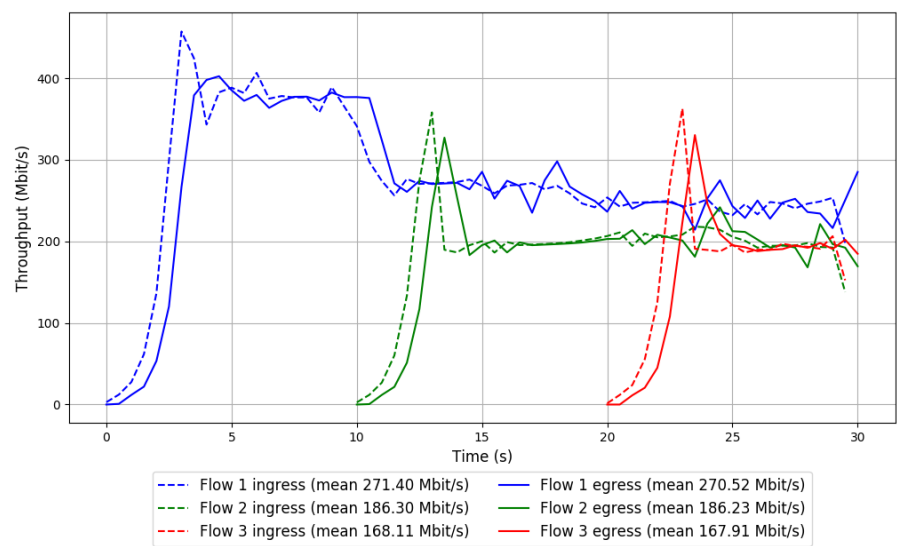


Run 6: Statistics of PCC-Expr

Start at: 2018-05-24 06:57:14
End at: 2018-05-24 06:57:44
Local clock offset: -0.169 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-05-24 10:31:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 449.79 Mbit/s
95th percentile per-packet one-way delay: 172.762 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 270.52 Mbit/s
95th percentile per-packet one-way delay: 177.236 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 186.23 Mbit/s
95th percentile per-packet one-way delay: 146.285 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 167.91 Mbit/s
95th percentile per-packet one-way delay: 152.101 ms
Loss rate: 0.11%

Run 6: Report of PCC-Expr — Data Link

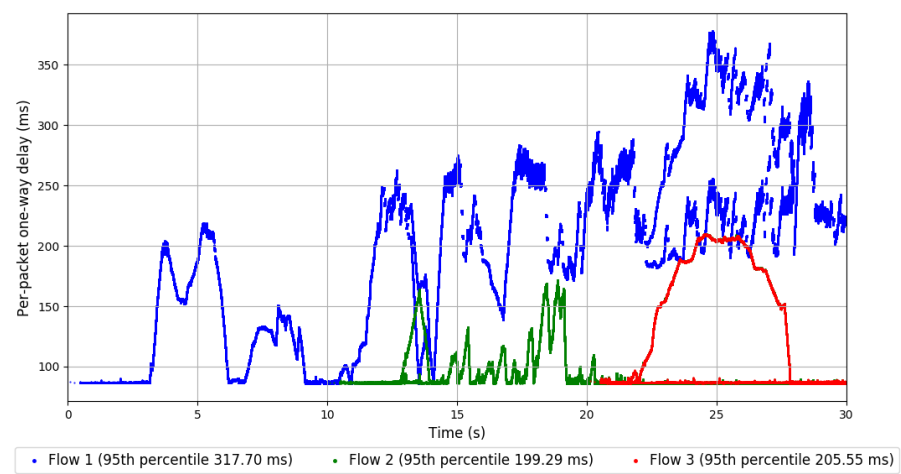
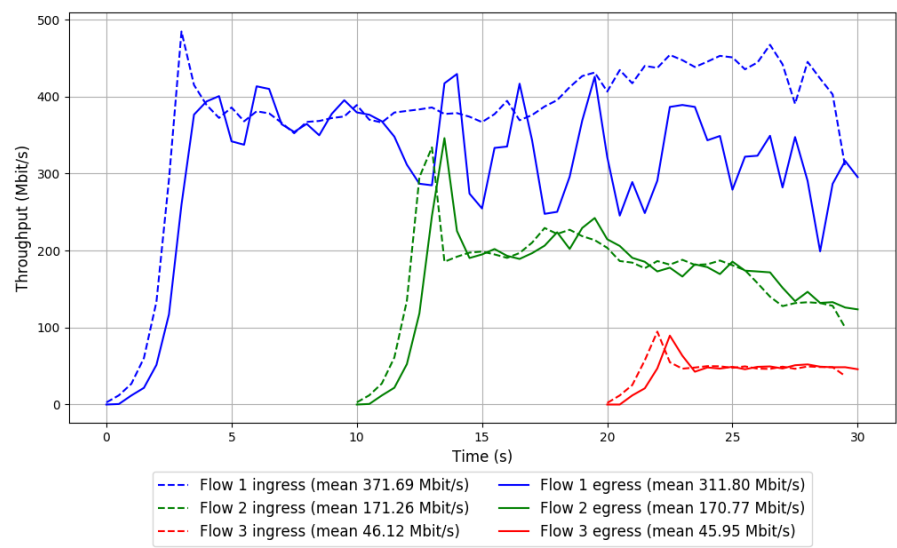


Run 7: Statistics of PCC-Expr

Start at: 2018-05-24 07:21:22
End at: 2018-05-24 07:21:52
Local clock offset: -0.206 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-24 10:33:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 440.54 Mbit/s
95th percentile per-packet one-way delay: 296.122 ms
Loss rate: 12.05%
-- Flow 1:
Average throughput: 311.80 Mbit/s
95th percentile per-packet one-way delay: 317.697 ms
Loss rate: 16.12%
-- Flow 2:
Average throughput: 170.77 Mbit/s
95th percentile per-packet one-way delay: 199.290 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 45.95 Mbit/s
95th percentile per-packet one-way delay: 205.548 ms
Loss rate: 0.50%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-24 07:45:34

End at: 2018-05-24 07:46:04

Local clock offset: 0.083 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 10:33:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.41 Mbit/s

95th percentile per-packet one-way delay: 127.070 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 186.23 Mbit/s

95th percentile per-packet one-way delay: 136.478 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 188.28 Mbit/s

95th percentile per-packet one-way delay: 124.161 ms

Loss rate: 0.06%

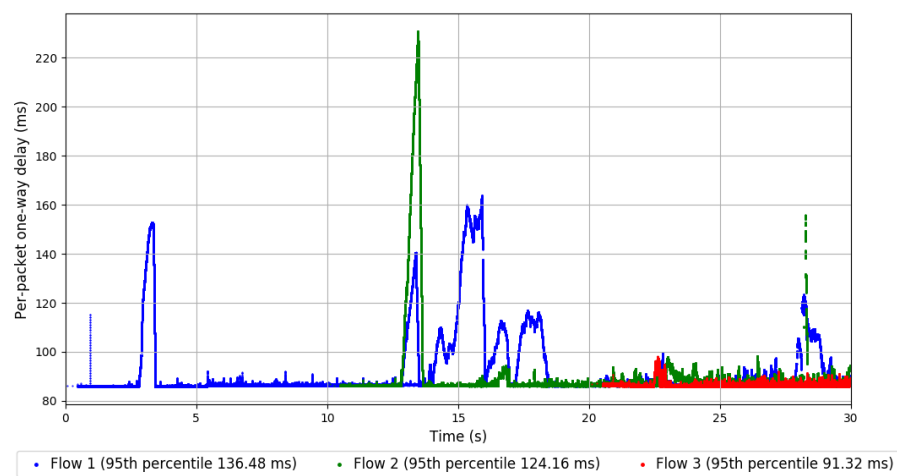
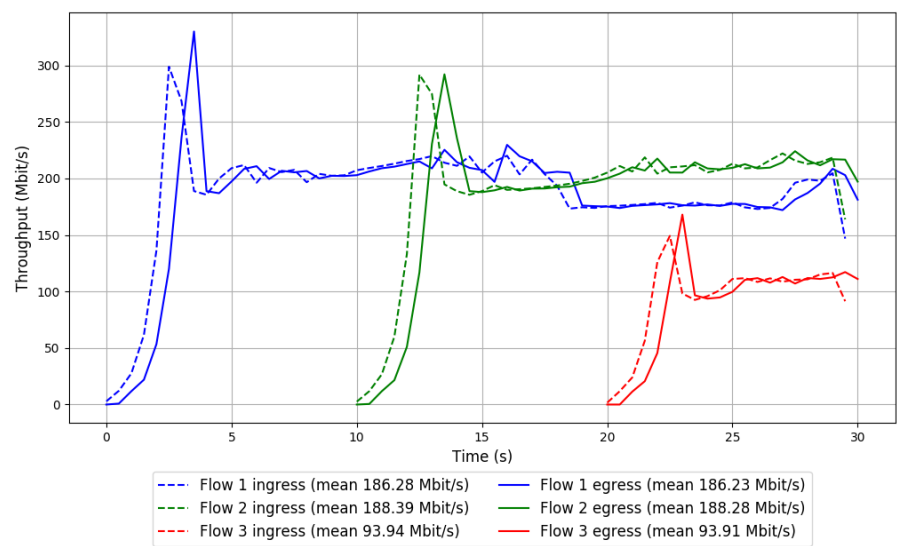
-- Flow 3:

Average throughput: 93.91 Mbit/s

95th percentile per-packet one-way delay: 91.322 ms

Loss rate: 0.02%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-24 08:09:43

End at: 2018-05-24 08:10:13

Local clock offset: 0.099 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 438.25 Mbit/s

95th percentile per-packet one-way delay: 257.889 ms

Loss rate: 6.64%

-- Flow 1:

Average throughput: 232.58 Mbit/s

95th percentile per-packet one-way delay: 256.967 ms

Loss rate: 2.85%

-- Flow 2:

Average throughput: 264.64 Mbit/s

95th percentile per-packet one-way delay: 260.330 ms

Loss rate: 12.16%

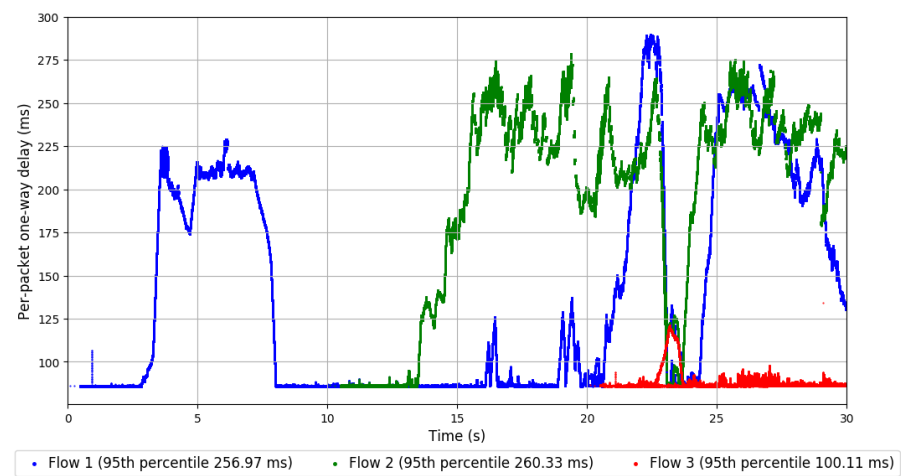
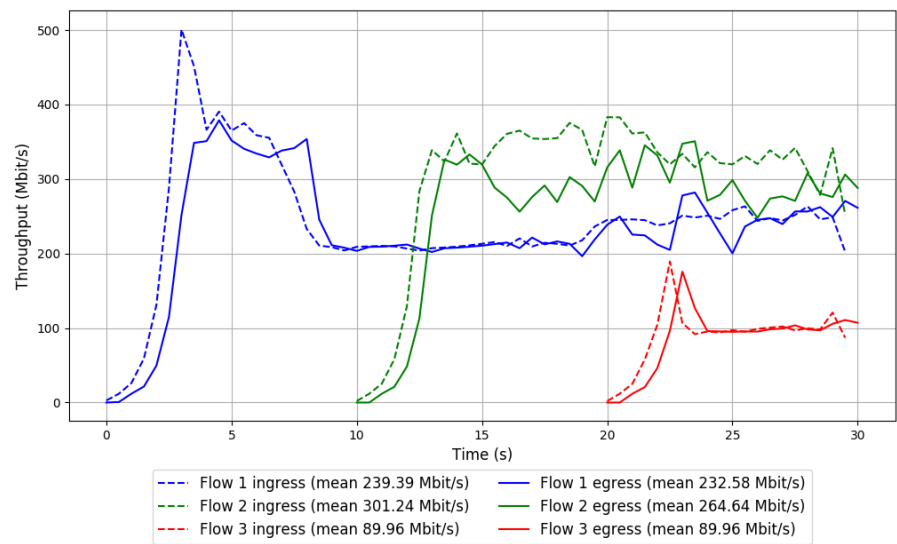
-- Flow 3:

Average throughput: 89.96 Mbit/s

95th percentile per-packet one-way delay: 100.105 ms

Loss rate: 0.01%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-24 08:33:45

End at: 2018-05-24 08:34:15

Local clock offset: -0.072 ms

Remote clock offset: 0.194 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.90 Mbit/s

95th percentile per-packet one-way delay: 250.479 ms

Loss rate: 1.69%

-- Flow 1:

Average throughput: 228.87 Mbit/s

95th percentile per-packet one-way delay: 306.143 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 180.14 Mbit/s

95th percentile per-packet one-way delay: 97.105 ms

Loss rate: 0.00%

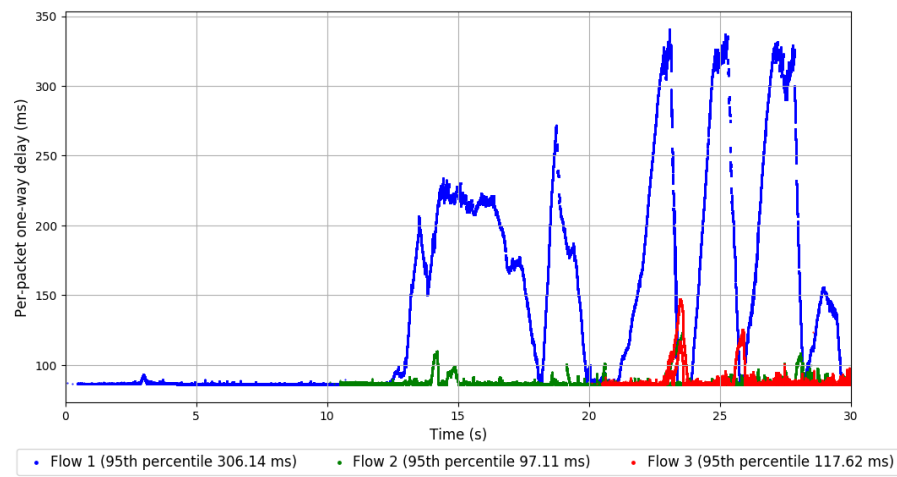
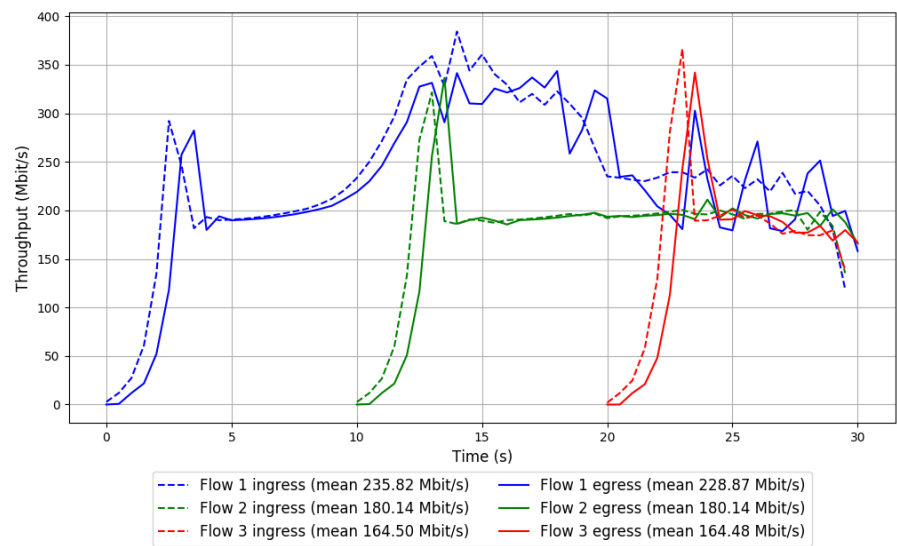
-- Flow 3:

Average throughput: 164.48 Mbit/s

95th percentile per-packet one-way delay: 117.624 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

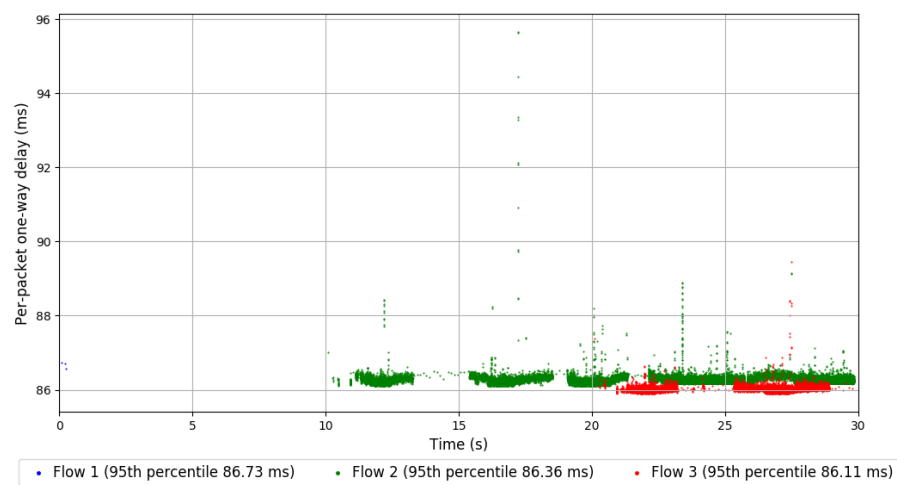
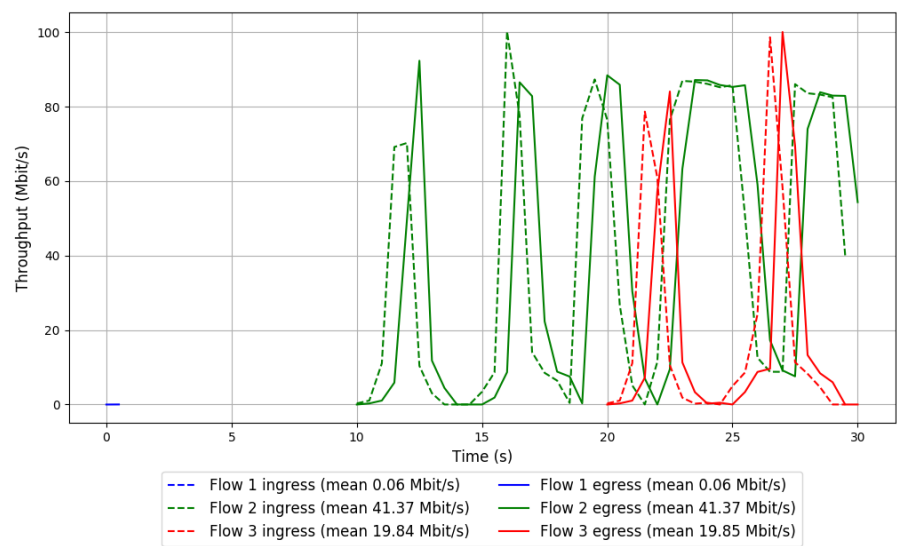


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-24 05:03:29
End at: 2018-05-24 05:03:59
Local clock offset: -0.08 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.90 Mbit/s
95th percentile per-packet one-way delay: 86.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.731 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.37 Mbit/s
95th percentile per-packet one-way delay: 86.355 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.85 Mbit/s
95th percentile per-packet one-way delay: 86.108 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

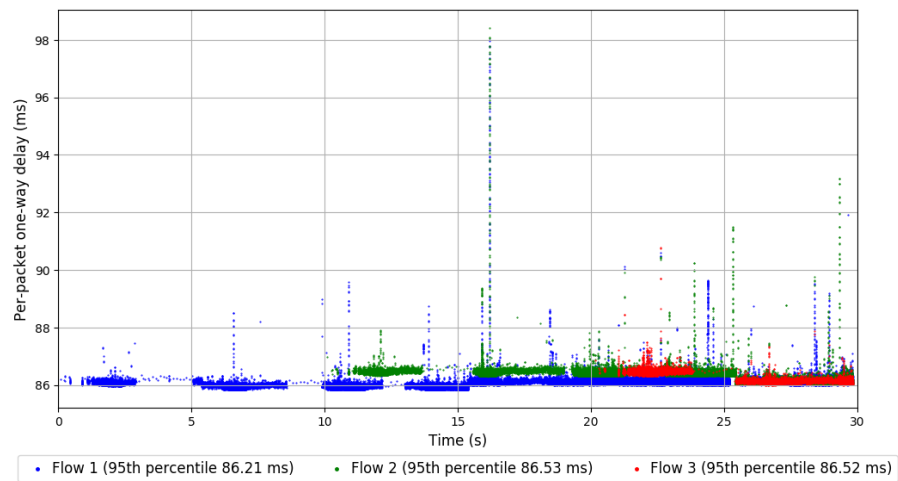
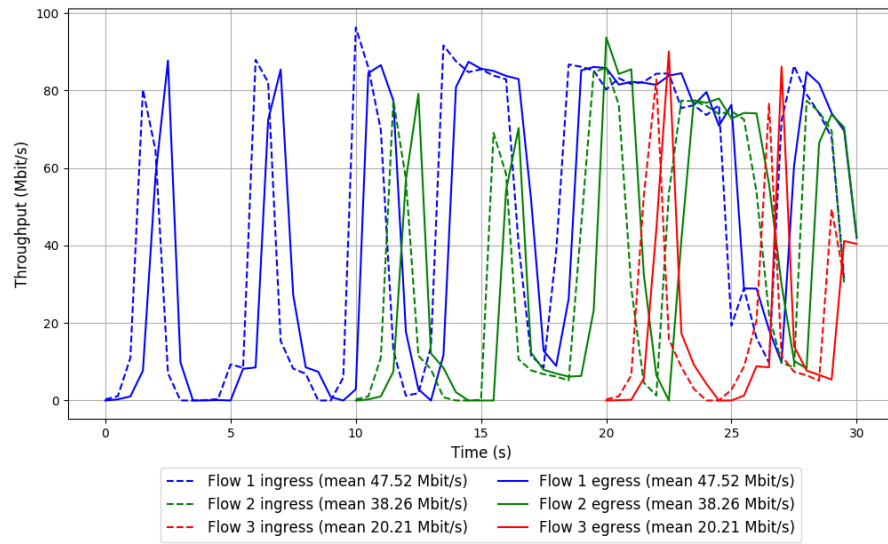


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-24 05:27:34
End at: 2018-05-24 05:28:04
Local clock offset: 0.217 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 86.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.52 Mbit/s
95th percentile per-packet one-way delay: 86.209 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.26 Mbit/s
95th percentile per-packet one-way delay: 86.526 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 86.522 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

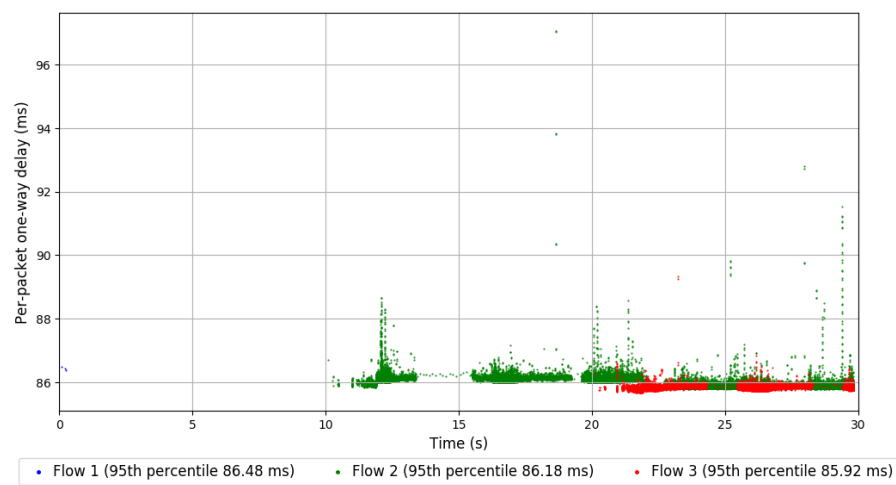
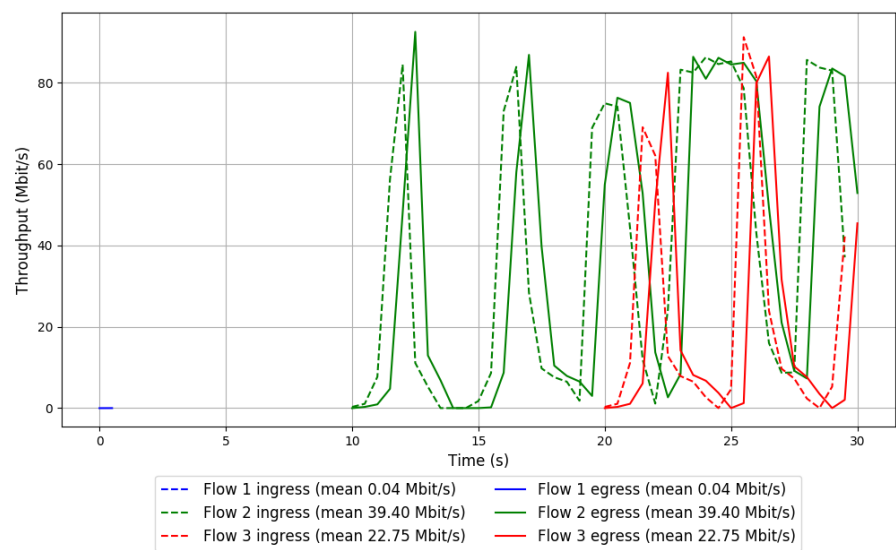


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-24 05:51:38
End at: 2018-05-24 05:52:08
Local clock offset: 0.33 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 86.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 86.479 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.40 Mbit/s
95th percentile per-packet one-way delay: 86.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 85.925 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

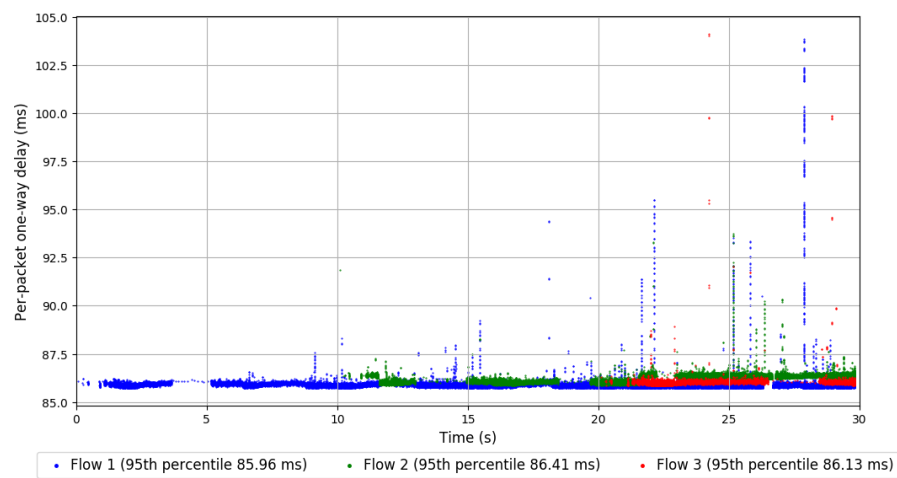
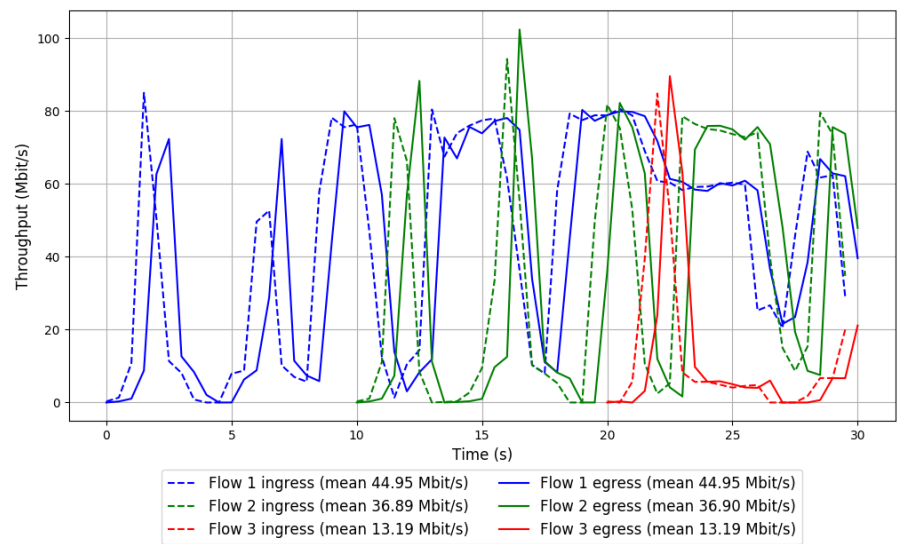


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-24 06:15:48
End at: 2018-05-24 06:16:18
Local clock offset: 0.233 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 73.73 Mbit/s
95th percentile per-packet one-way delay: 86.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.95 Mbit/s
95th percentile per-packet one-way delay: 85.963 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.90 Mbit/s
95th percentile per-packet one-way delay: 86.411 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 86.131 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

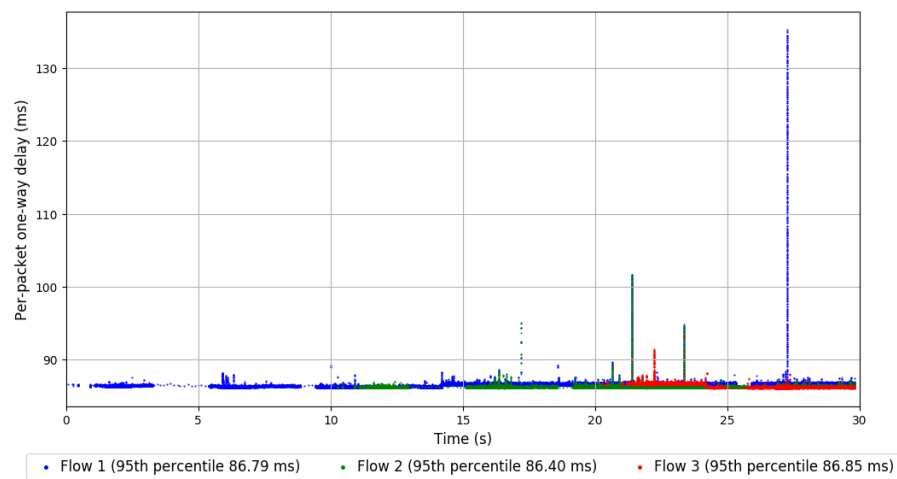
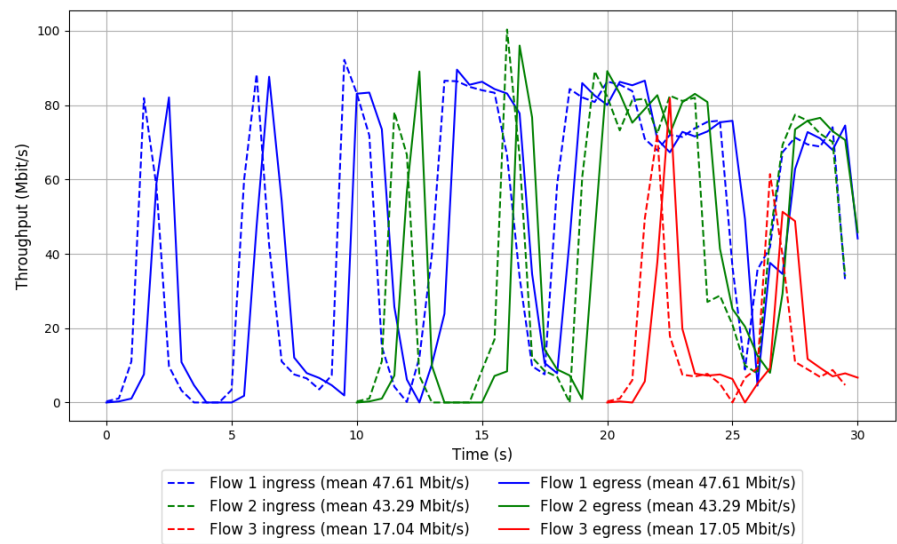


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-24 06:39:55
End at: 2018-05-24 06:40:25
Local clock offset: -0.205 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 86.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 86.788 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.05 Mbit/s
95th percentile per-packet one-way delay: 86.851 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

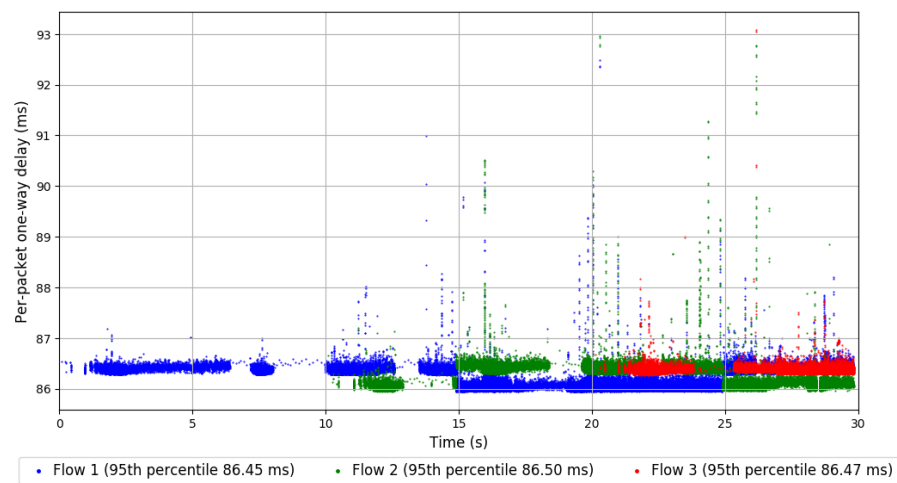
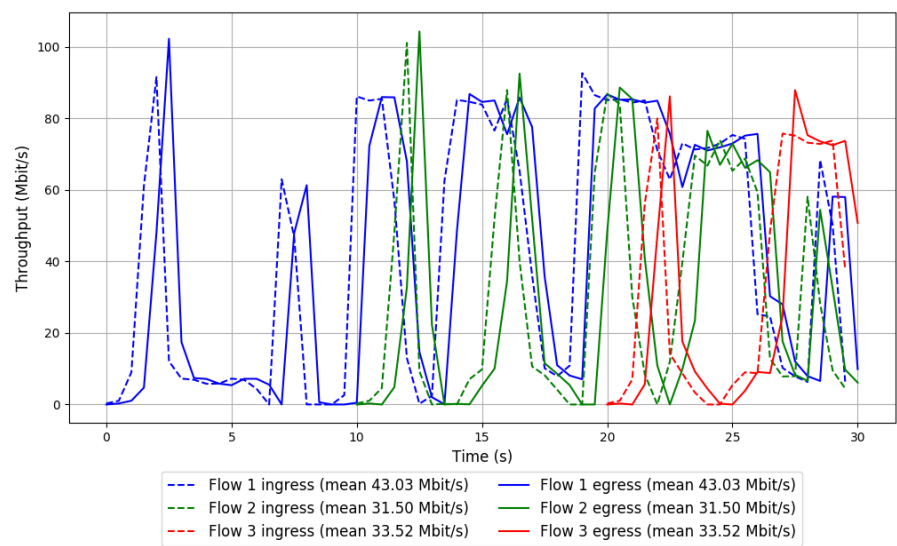


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-24 07:03:55
End at: 2018-05-24 07:04:25
Local clock offset: 0.076 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 86.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.03 Mbit/s
95th percentile per-packet one-way delay: 86.455 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.50 Mbit/s
95th percentile per-packet one-way delay: 86.500 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.52 Mbit/s
95th percentile per-packet one-way delay: 86.475 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

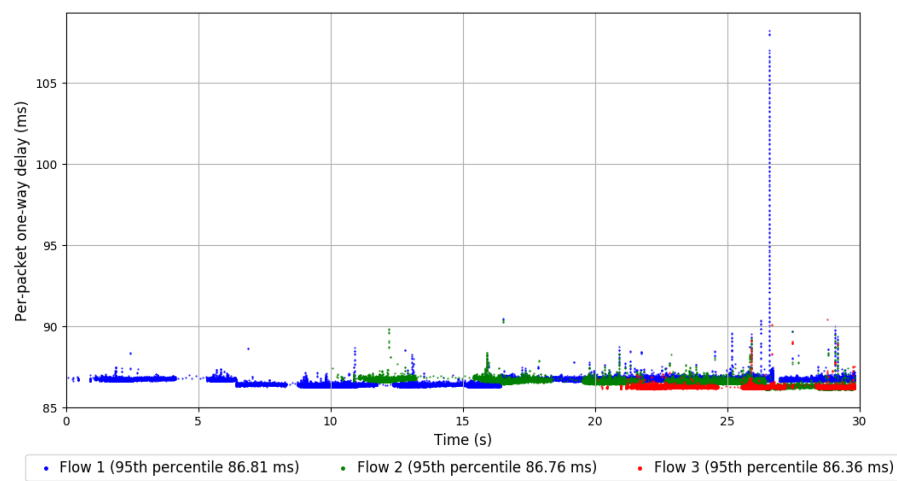
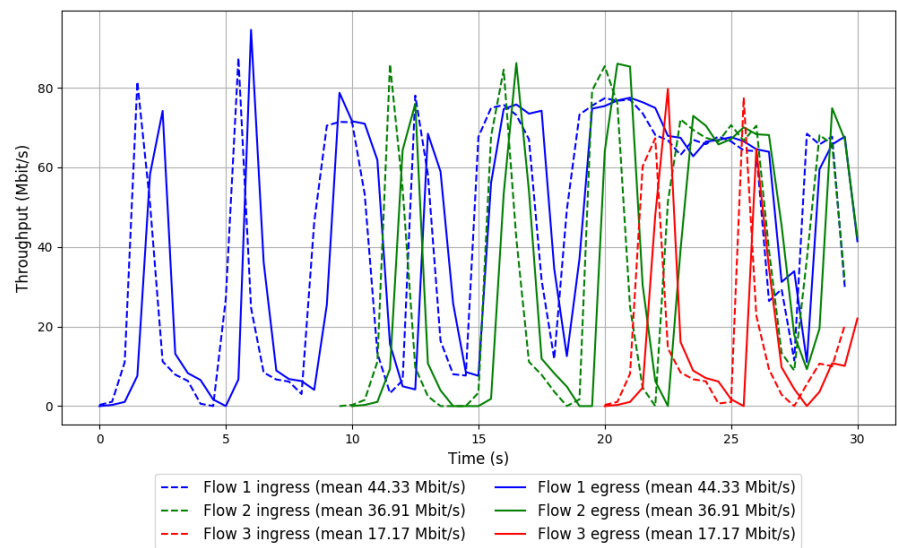


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-24 07:28:13
End at: 2018-05-24 07:28:43
Local clock offset: -0.265 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 86.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.33 Mbit/s
95th percentile per-packet one-way delay: 86.810 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.91 Mbit/s
95th percentile per-packet one-way delay: 86.756 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 17.17 Mbit/s
95th percentile per-packet one-way delay: 86.358 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

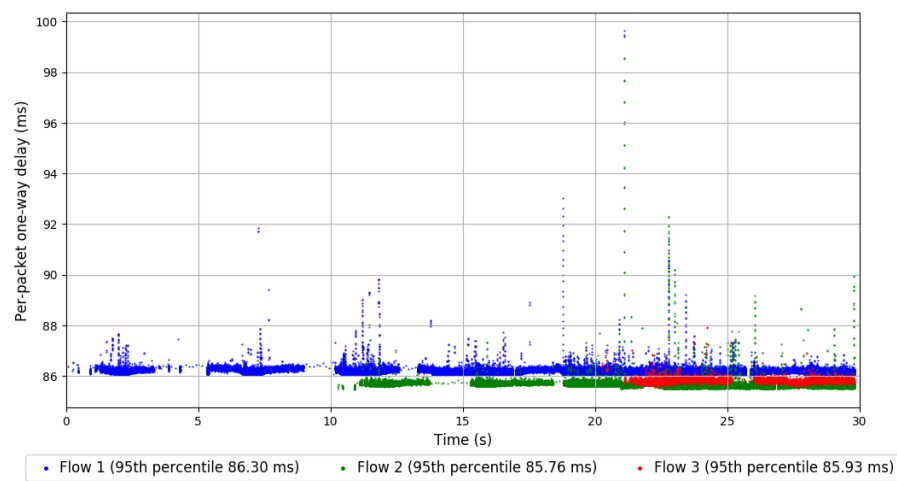
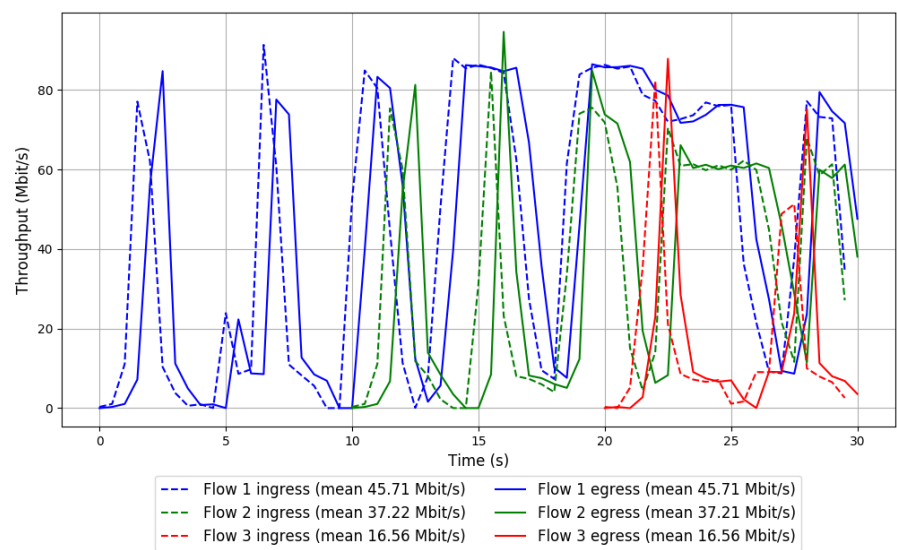


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-24 07:52:19
End at: 2018-05-24 07:52:49
Local clock offset: 0.353 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 86.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 86.296 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 85.764 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.56 Mbit/s
95th percentile per-packet one-way delay: 85.929 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-05-24 08:16:36

End at: 2018-05-24 08:17:06

Local clock offset: -0.026 ms

Remote clock offset: 0.127 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 86.615 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 86.568 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.50 Mbit/s

95th percentile per-packet one-way delay: 86.687 ms

Loss rate: 0.00%

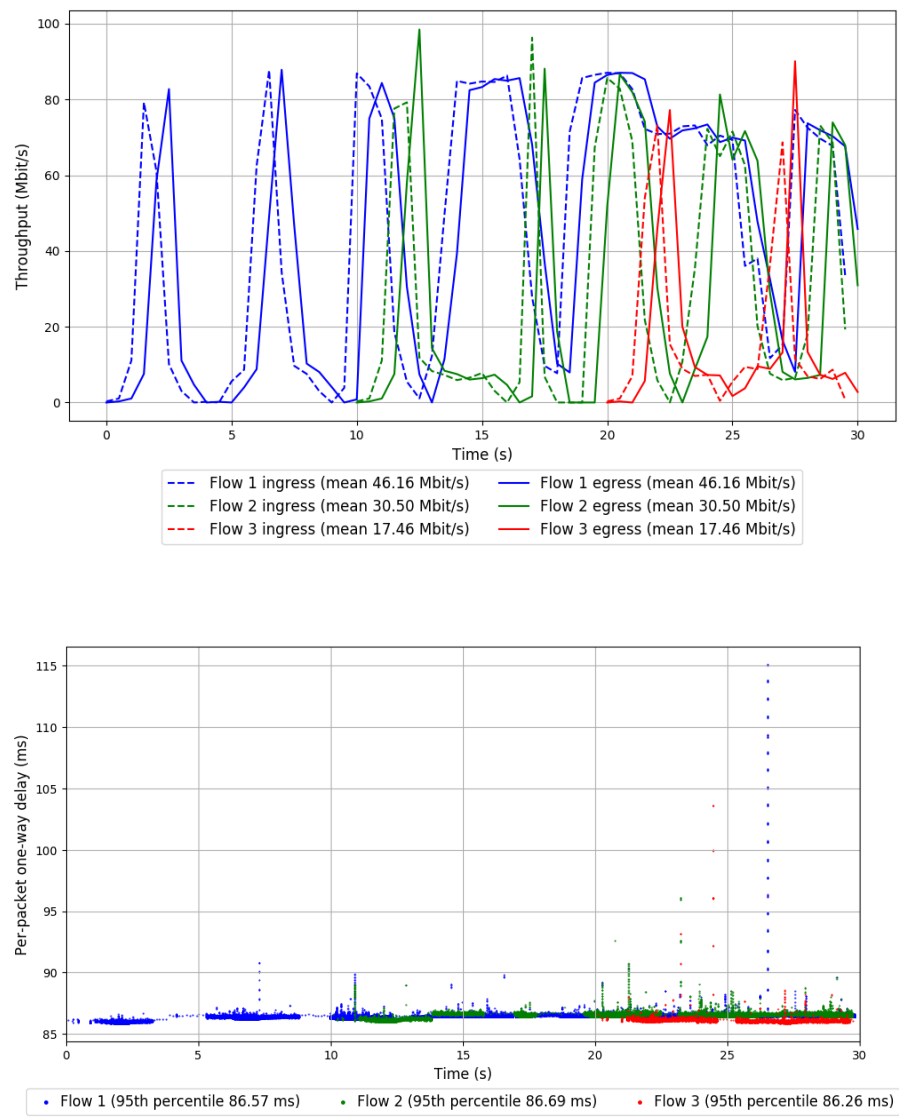
-- Flow 3:

Average throughput: 17.46 Mbit/s

95th percentile per-packet one-way delay: 86.257 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-05-24 08:40:35

End at: 2018-05-24 08:41:05

Local clock offset: 0.359 ms

Remote clock offset: 0.19 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 86.207 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.57 Mbit/s

95th percentile per-packet one-way delay: 86.008 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.17 Mbit/s

95th percentile per-packet one-way delay: 86.261 ms

Loss rate: 0.00%

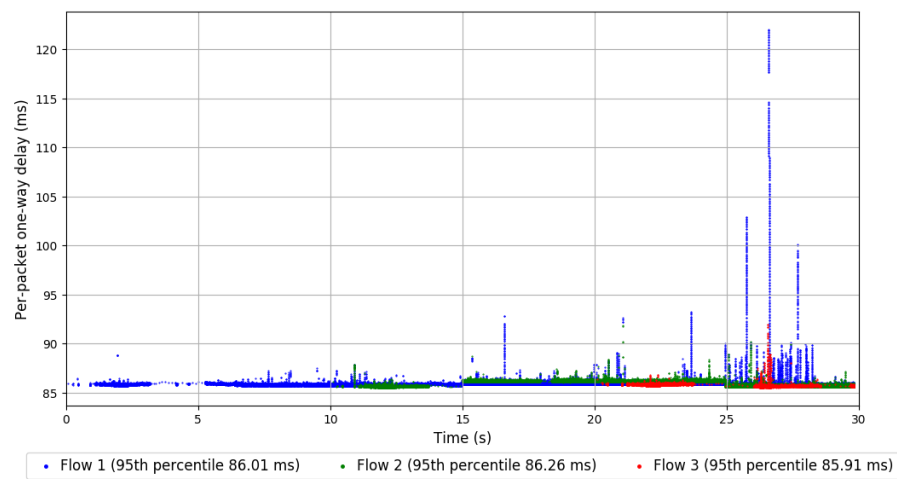
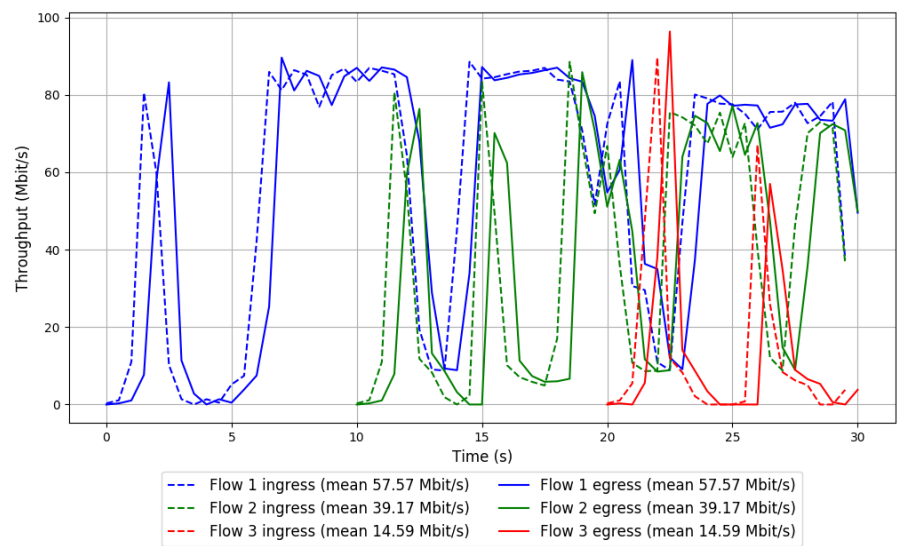
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 85.909 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

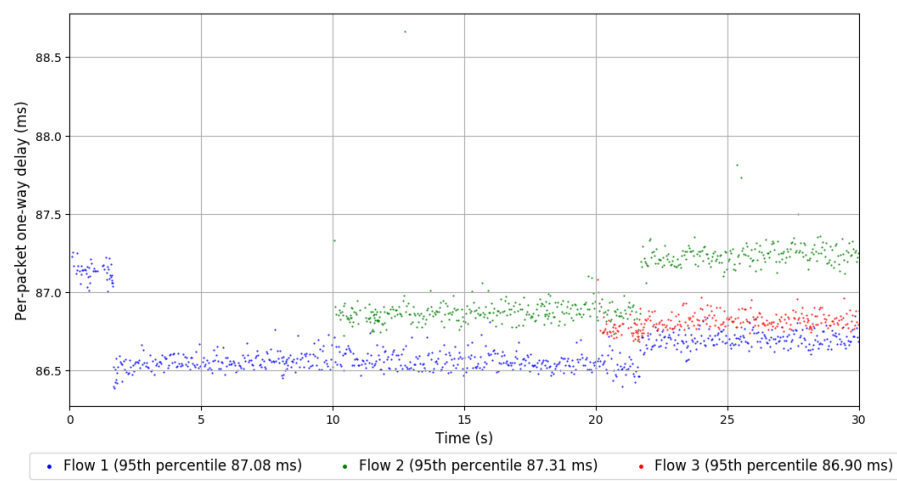
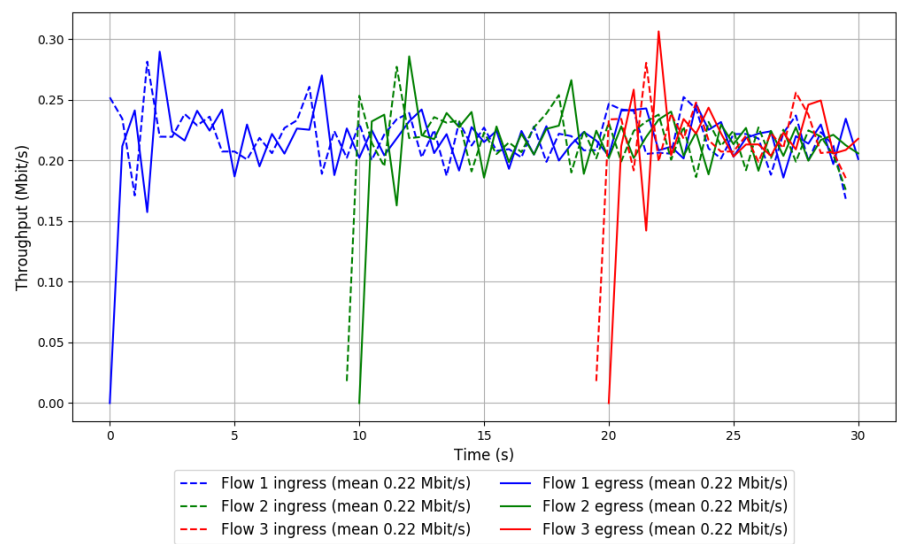


```
Run 1: Statistics of SReAM

Start at: 2018-05-24 04:47:08
End at: 2018-05-24 04:47:38
Local clock offset: -0.392 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.083 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.310 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

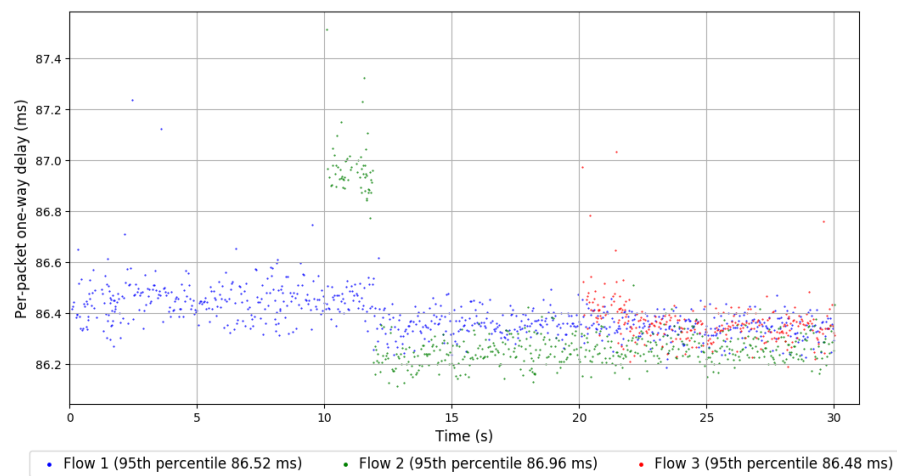
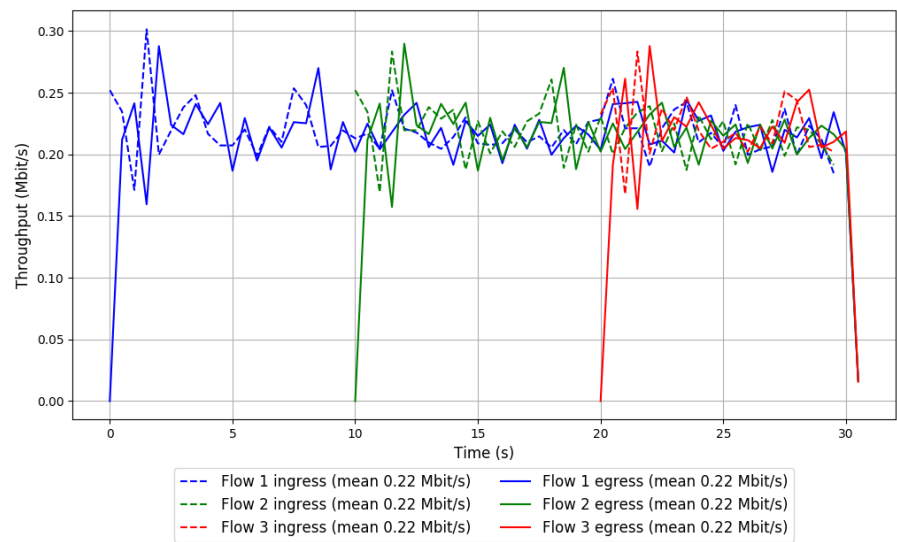


Run 2: Statistics of SReAM

Start at: 2018-05-24 05:11:08
End at: 2018-05-24 05:11:38
Local clock offset: -0.046 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.959 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.477 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

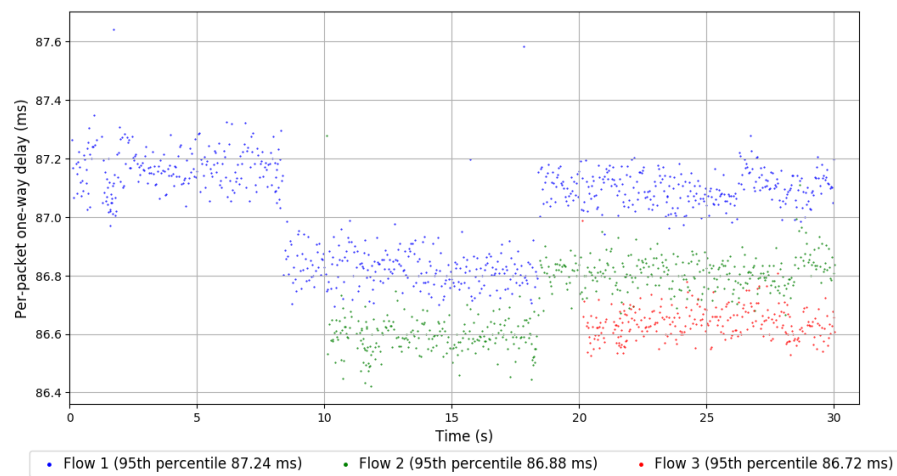
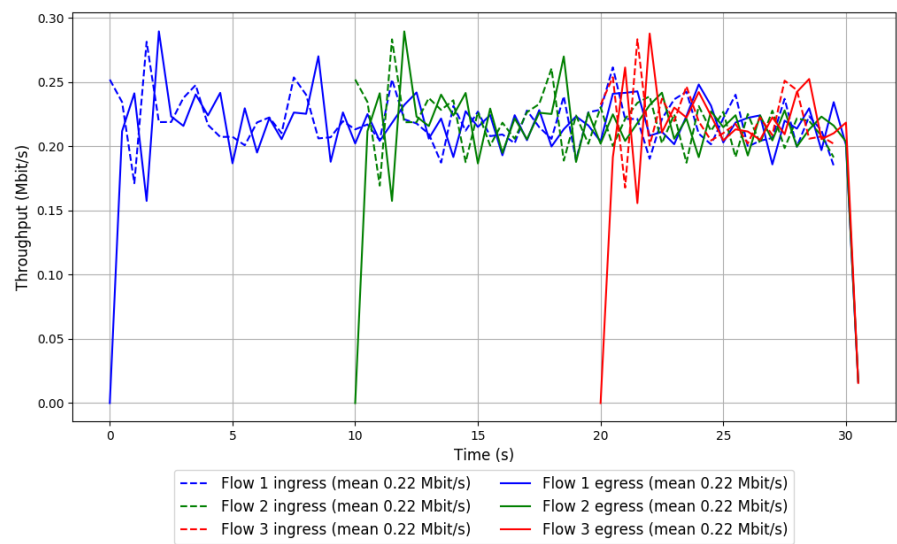


Run 3: Statistics of SReAM

Start at: 2018-05-24 05:35:11
End at: 2018-05-24 05:35:41
Local clock offset: -0.275 ms
Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.236 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.725 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

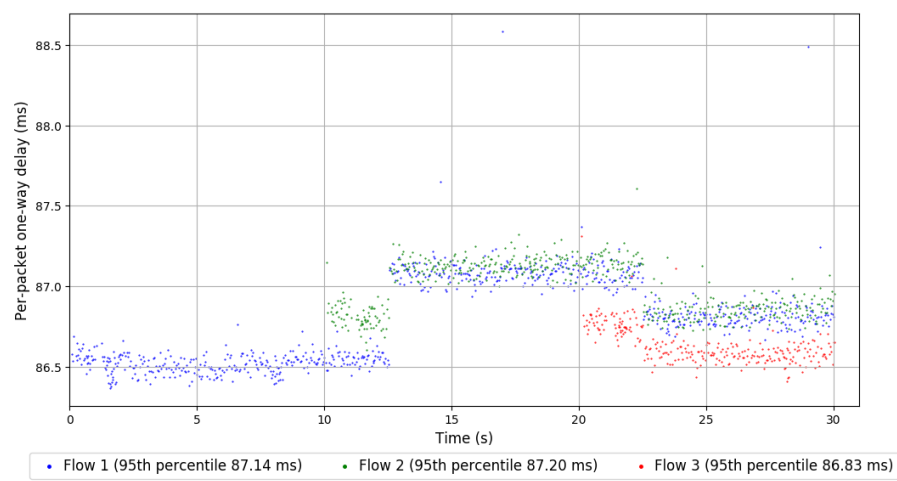
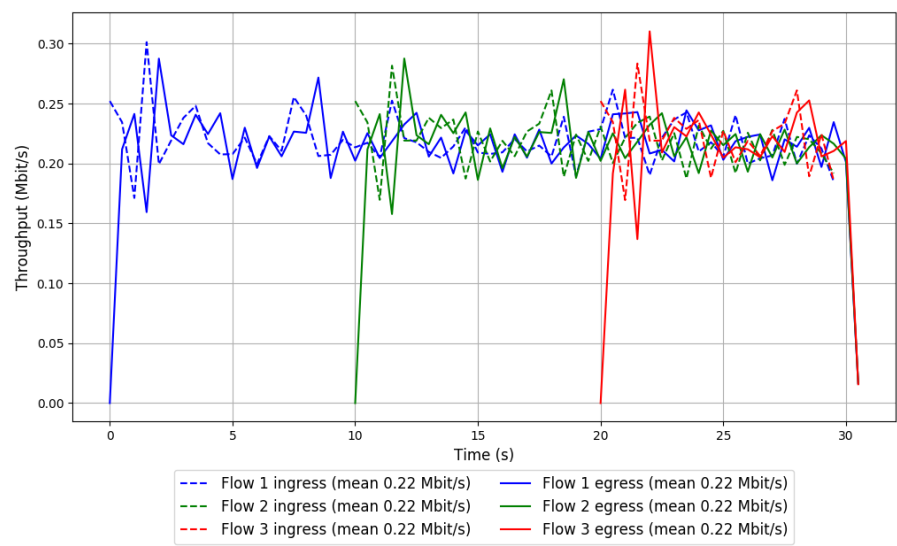


Run 4: Statistics of SReAM

Start at: 2018-05-24 05:59:17
End at: 2018-05-24 05:59:47
Local clock offset: -0.32 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.143 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.204 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.829 ms
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

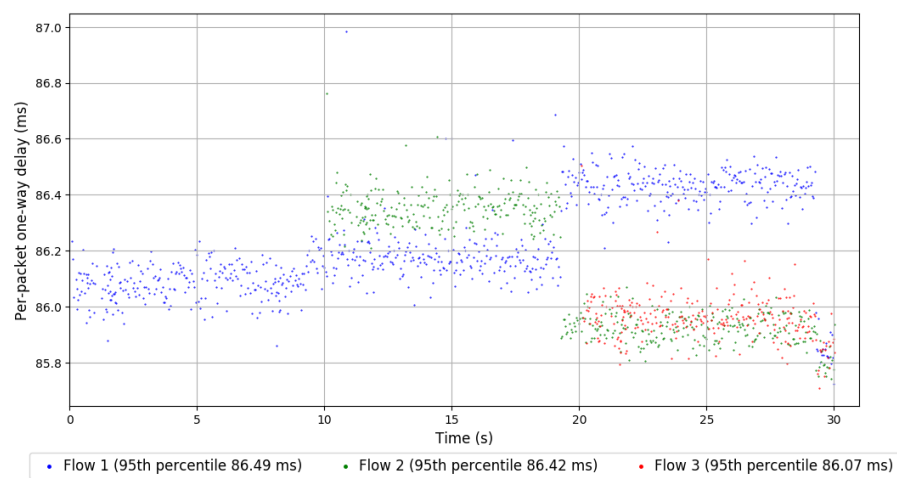
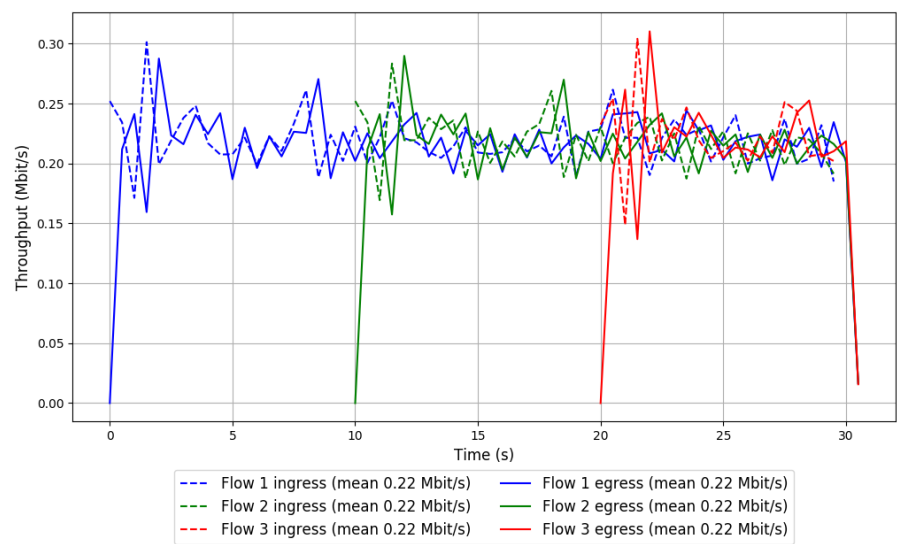


Run 5: Statistics of SReAM

Start at: 2018-05-24 06:23:20
End at: 2018-05-24 06:23:50
Local clock offset: 0.358 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.470 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.489 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.418 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.068 ms
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-05-24 06:47:27

End at: 2018-05-24 06:47:57

Local clock offset: 0.069 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.701 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.664 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.722 ms

Loss rate: 0.00%

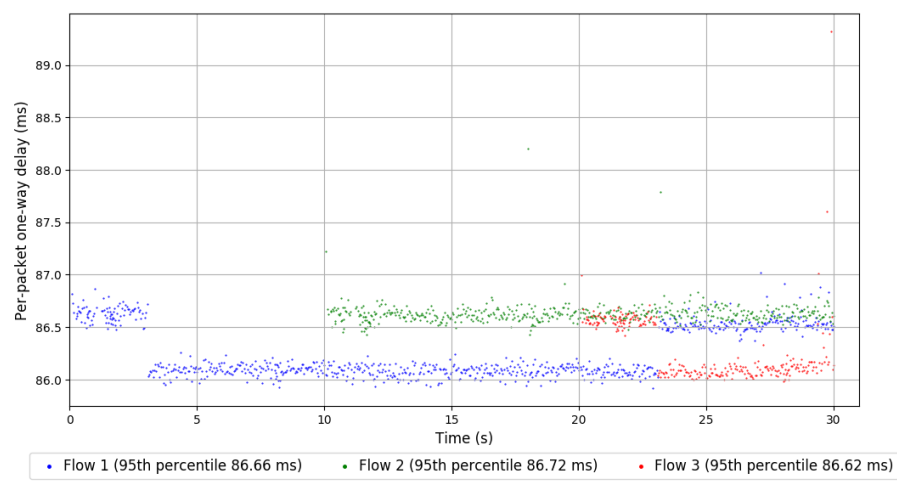
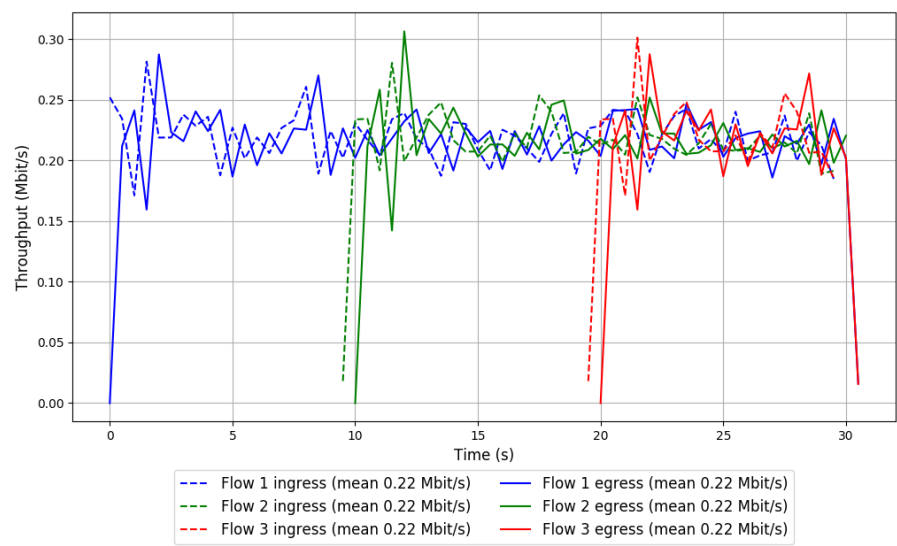
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.624 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

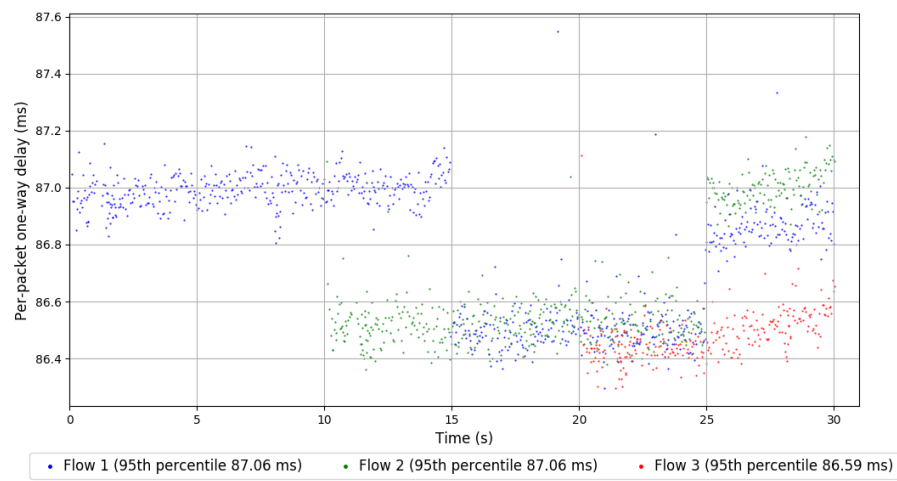
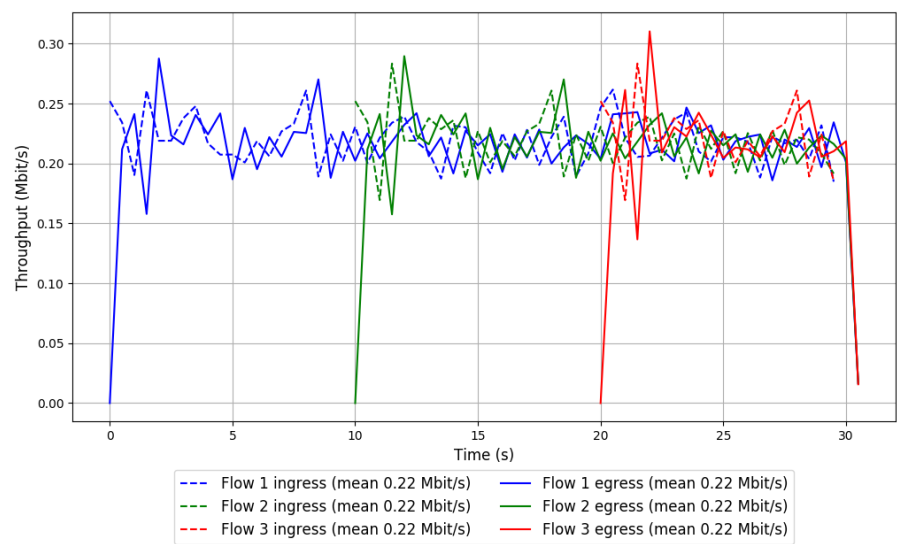


Run 7: Statistics of SReAM

Start at: 2018-05-24 07:11:35
End at: 2018-05-24 07:12:05
Local clock offset: -0.299 ms
Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.054 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.062 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

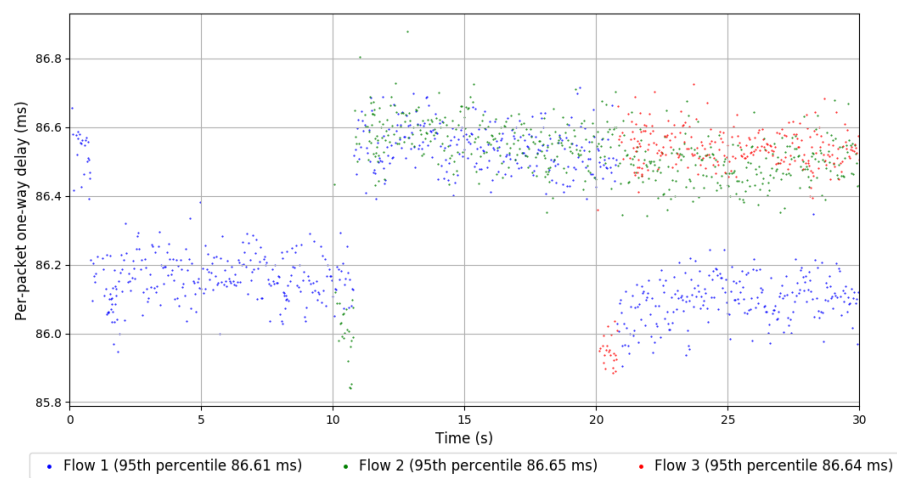
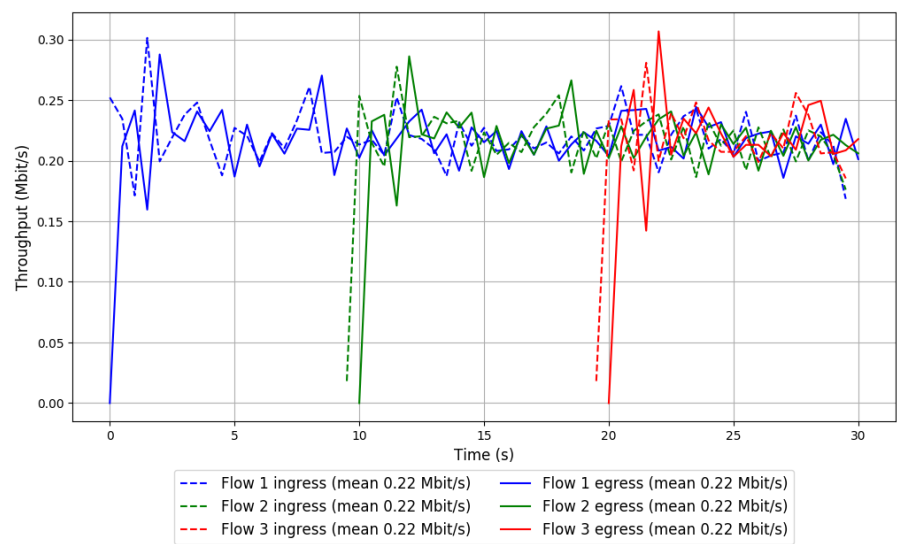


Run 8: Statistics of SReAM

Start at: 2018-05-24 07:35:49
End at: 2018-05-24 07:36:19
Local clock offset: 0.14 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 10:36:15
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: 86.606 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.635 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-05-24 07:59:54

End at: 2018-05-24 08:00:24

Local clock offset: -0.18 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.846 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

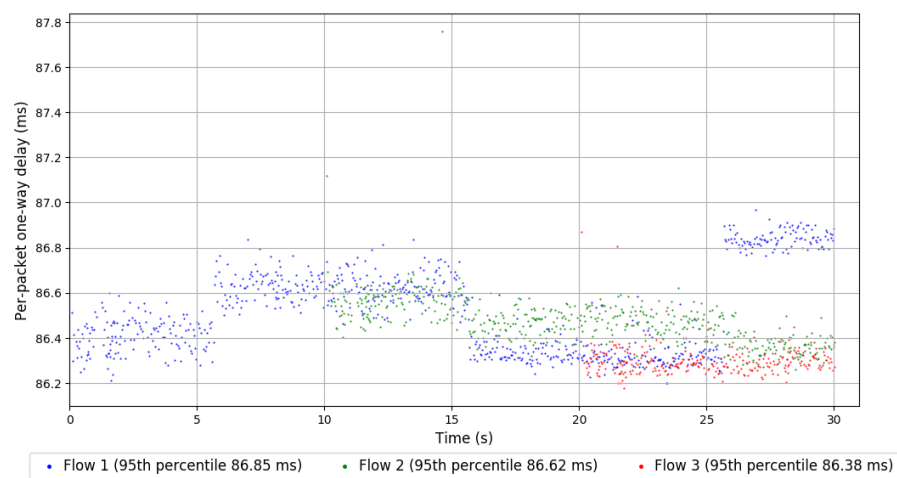
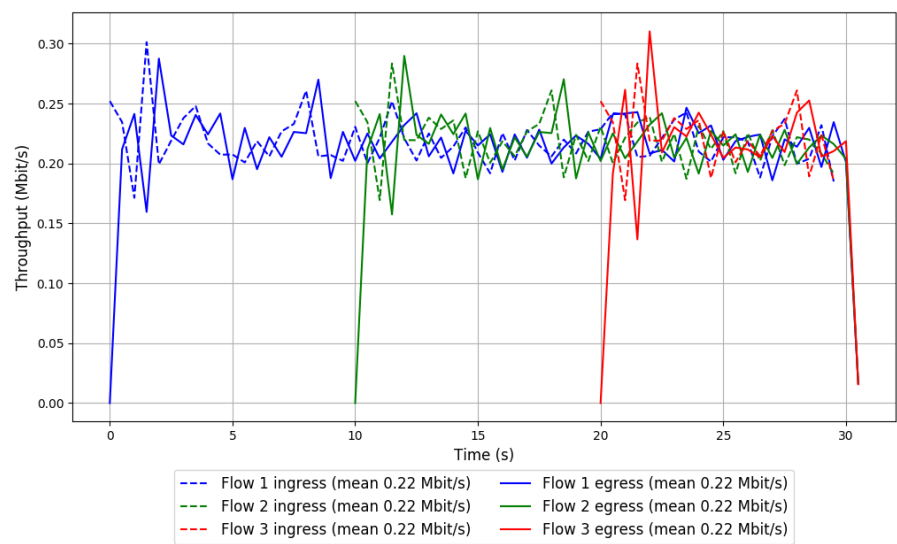
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.379 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

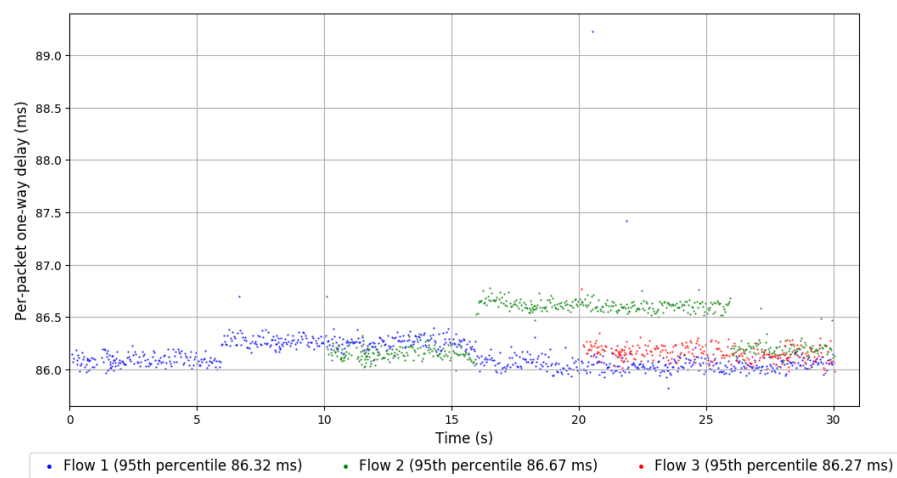
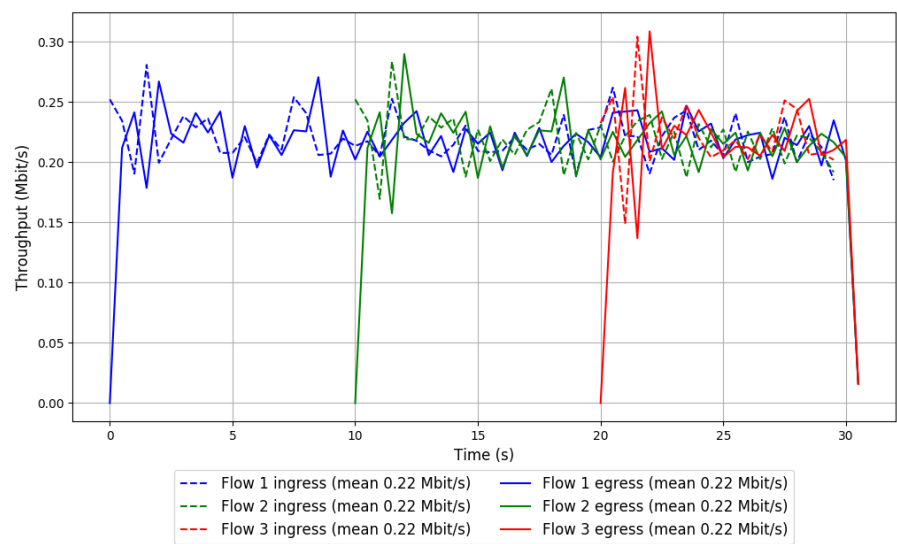


```
Run 10: Statistics of SReAM

Start at: 2018-05-24 08:24:04
End at: 2018-05-24 08:24:34
Local clock offset: 0.052 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.638 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.323 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.273 ms
Loss rate: 0.00%
```

Run 10: Report of SReAM — Data Link

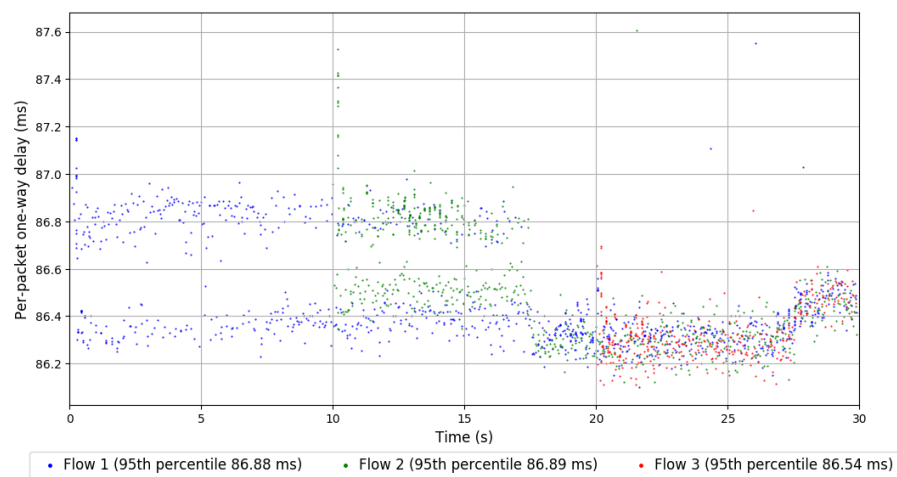
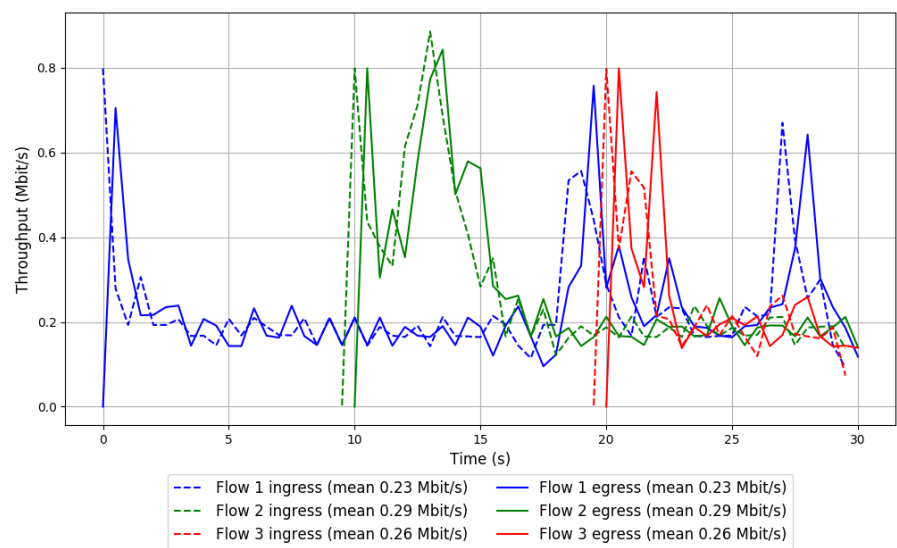


Run 1: Statistics of Sprout

Start at: 2018-05-24 05:04:42
End at: 2018-05-24 05:05:12
Local clock offset: -0.149 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 86.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.875 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.889 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.543 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

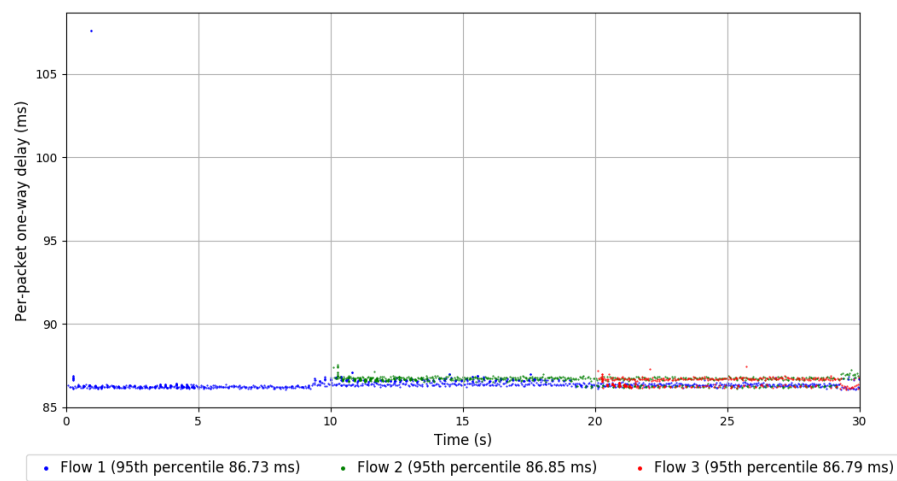
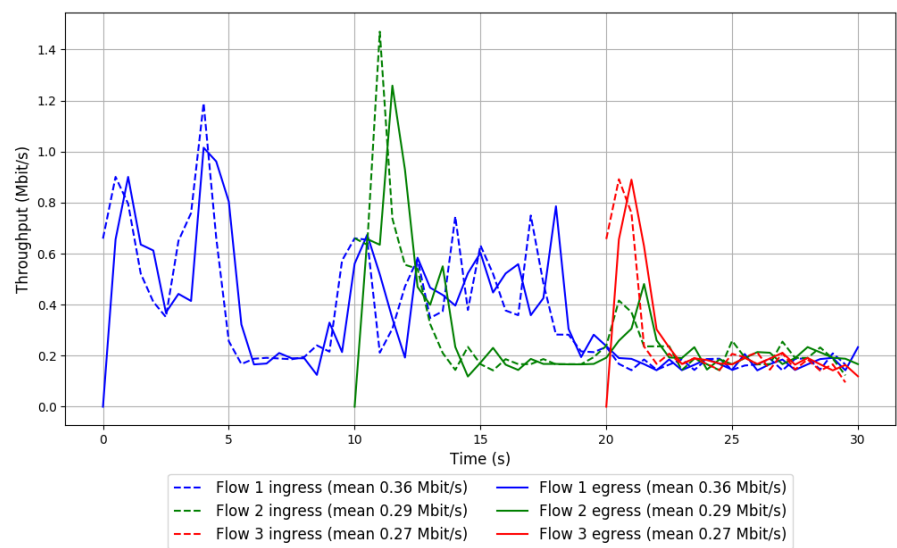


Run 2: Statistics of Sprout

Start at: 2018-05-24 05:28:50
End at: 2018-05-24 05:29:20
Local clock offset: 0.075 ms
Remote clock offset: 0.017 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 86.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.848 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.791 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

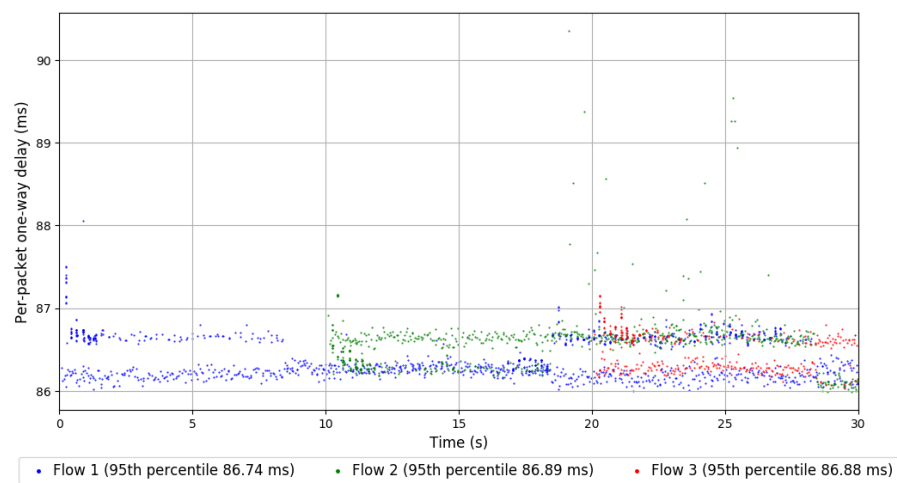
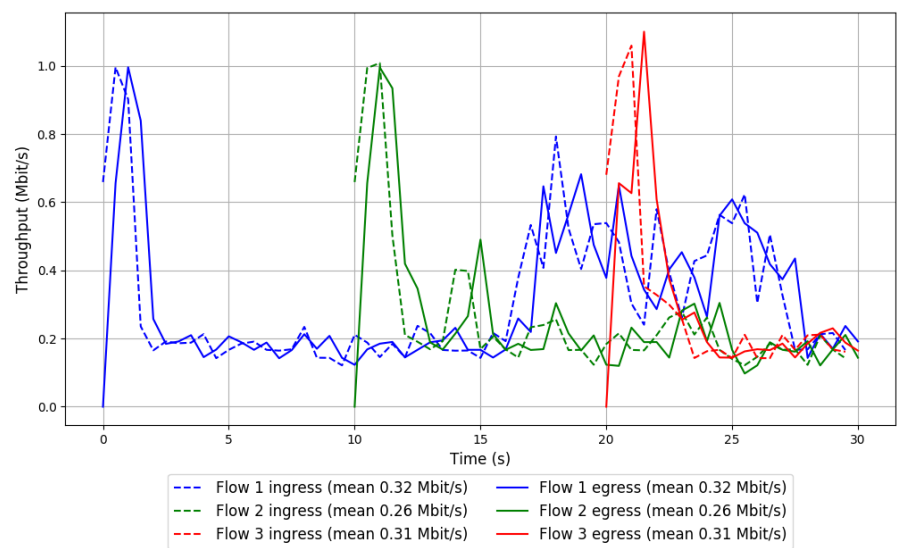


Run 3: Statistics of Sprout

Start at: 2018-05-24 05:52:51
End at: 2018-05-24 05:53:21
Local clock offset: 0.153 ms
Remote clock offset: 0.007 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 86.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 86.738 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.887 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.881 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

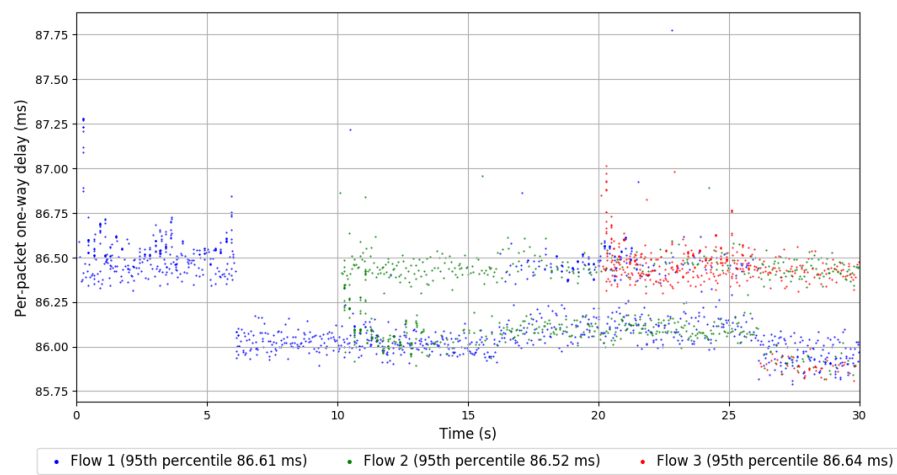
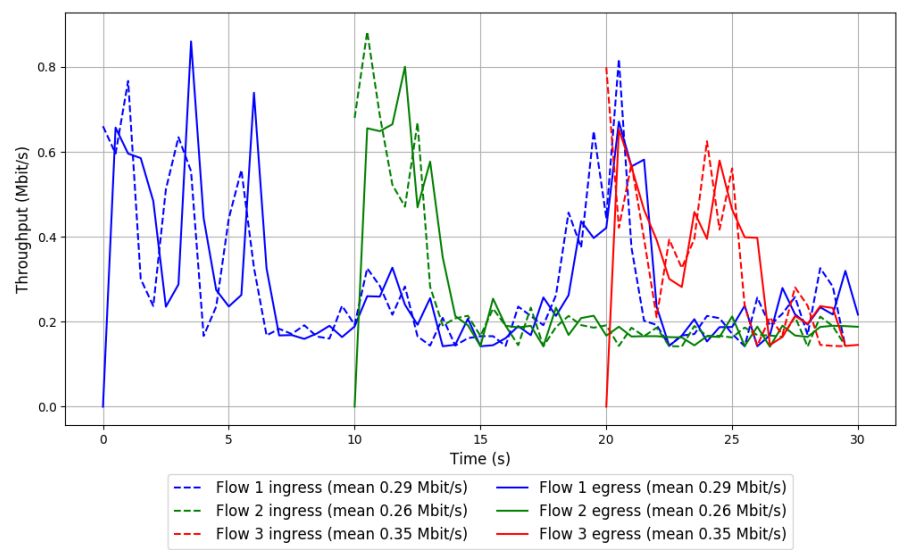


Run 4: Statistics of Sprout

Start at: 2018-05-24 06:17:04
End at: 2018-05-24 06:17:34
Local clock offset: 0.262 ms
Remote clock offset: -0.073 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.599 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.610 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.523 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.636 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

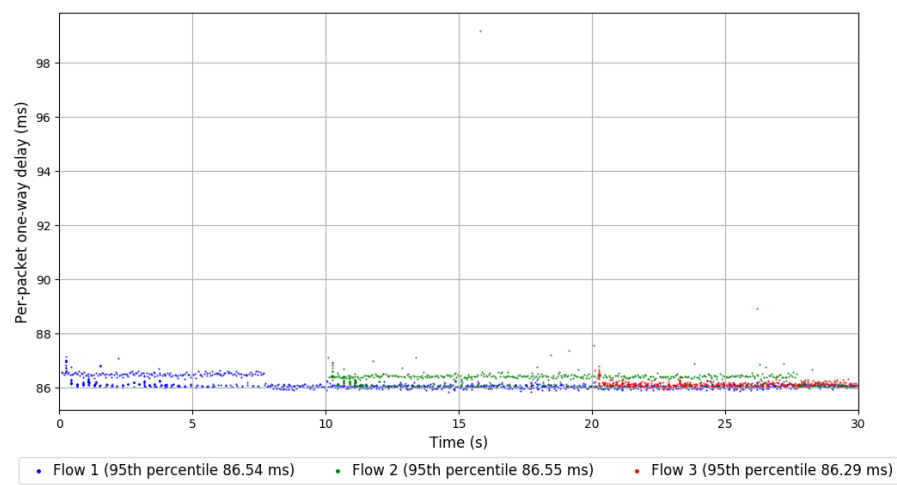
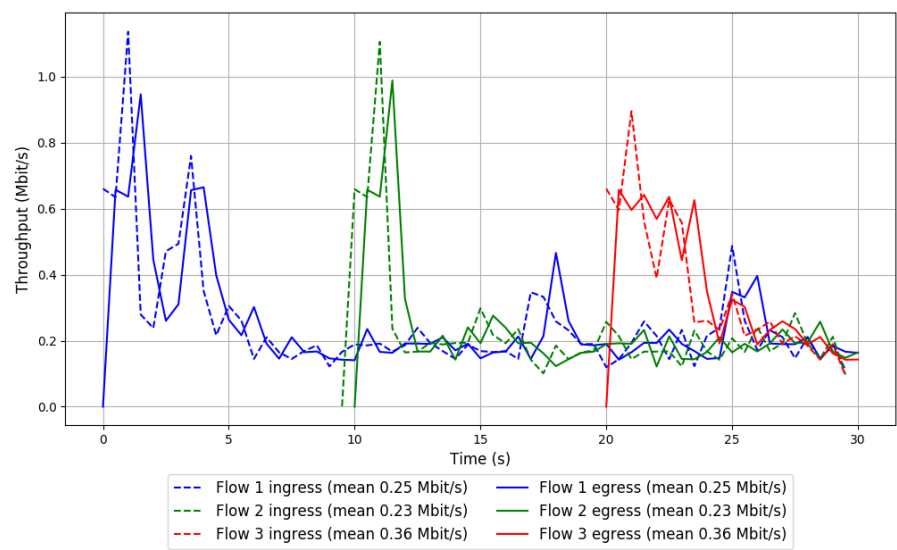


Run 5: Statistics of Sprout

Start at: 2018-05-24 06:41:12
End at: 2018-05-24 06:41:42
Local clock offset: 0.087 ms
Remote clock offset: -0.038 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.545 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 86.287 ms
Loss rate: 0.00%
```


Run 5: Report of Sprout — Data Link

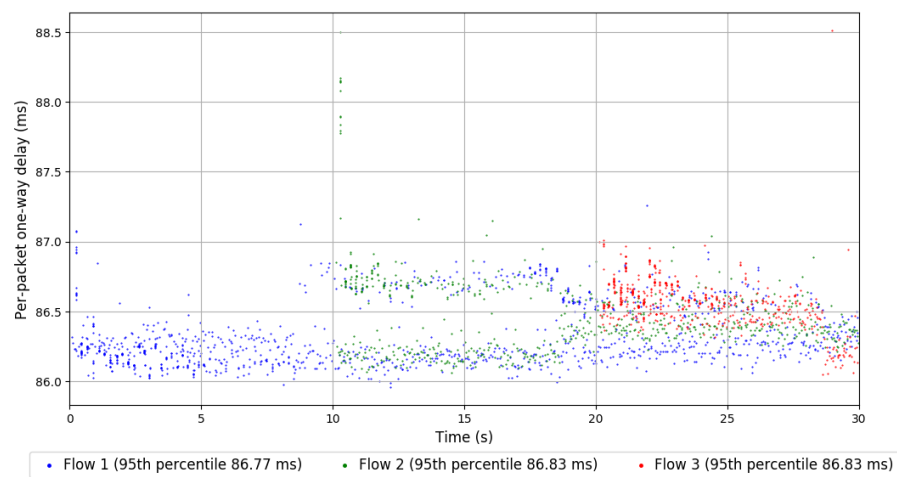
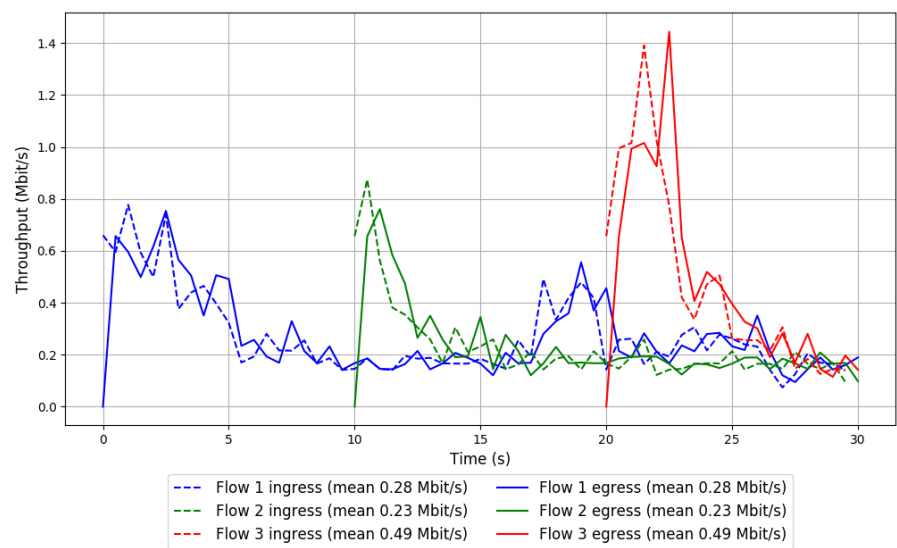


Run 6: Statistics of Sprout

Start at: 2018-05-24 07:05:11
End at: 2018-05-24 07:05:41
Local clock offset: -0.065 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 86.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.767 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.834 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

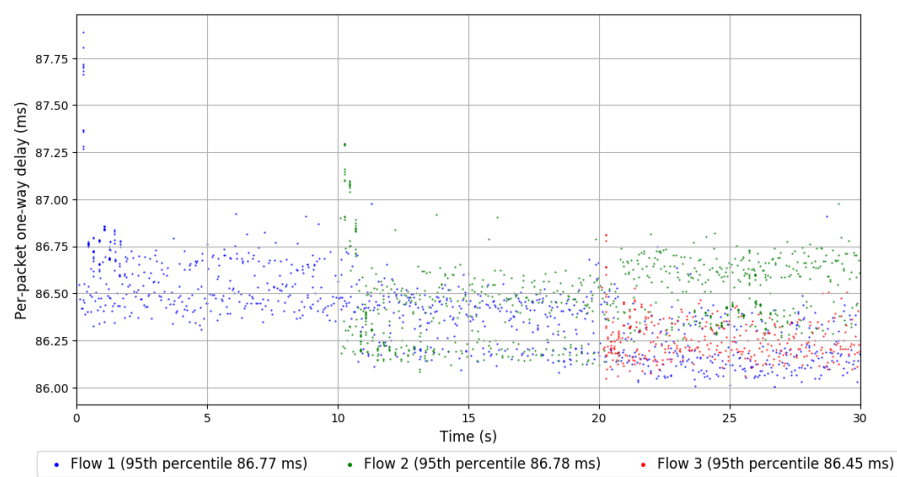
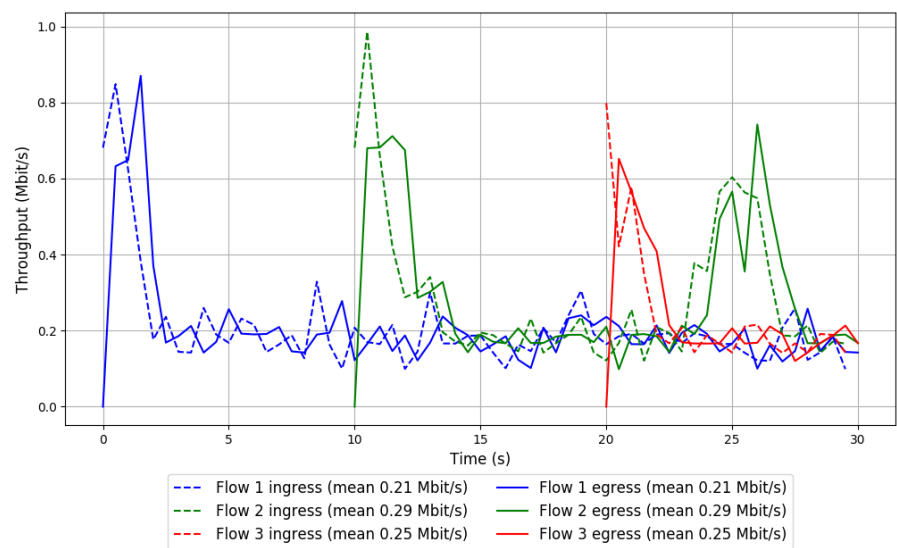


Run 7: Statistics of Sprout

Start at: 2018-05-24 07:29:29
End at: 2018-05-24 07:29:59
Local clock offset: -0.038 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-24 10:36:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 86.752 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 86.765 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.451 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

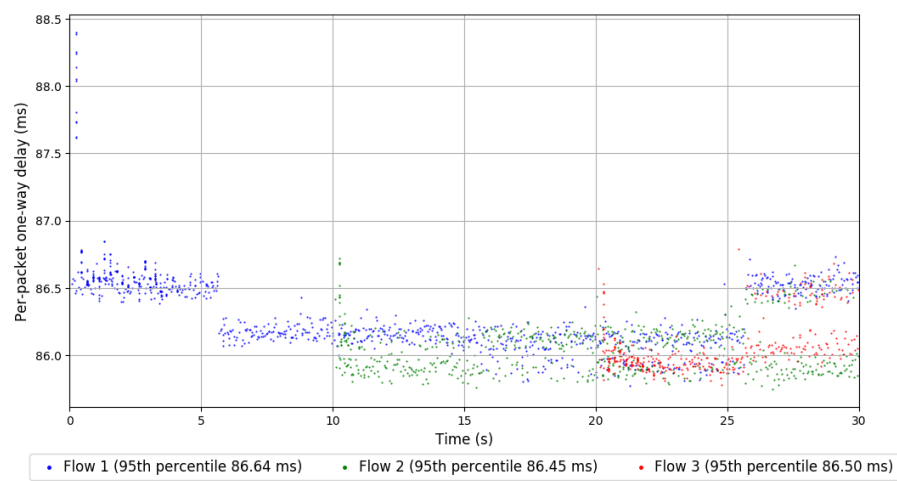
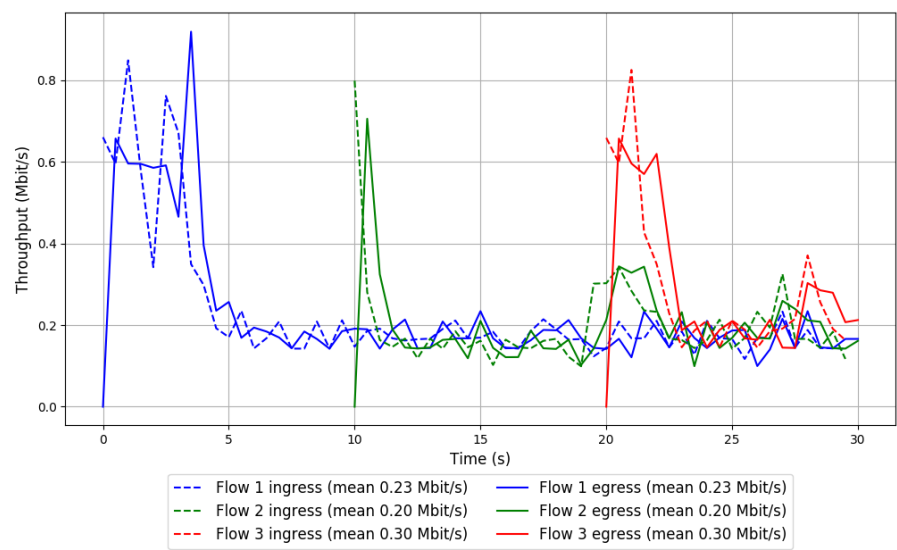


Run 8: Statistics of Sprout

Start at: 2018-05-24 07:53:34
End at: 2018-05-24 07:54:04
Local clock offset: 0.166 ms
Remote clock offset: -0.037 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.638 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 86.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.505 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-24 08:17:51

End at: 2018-05-24 08:18:21

Local clock offset: 0.202 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at 2018-05-24 10:36:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 86.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.561 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.251 ms

Loss rate: 0.00%

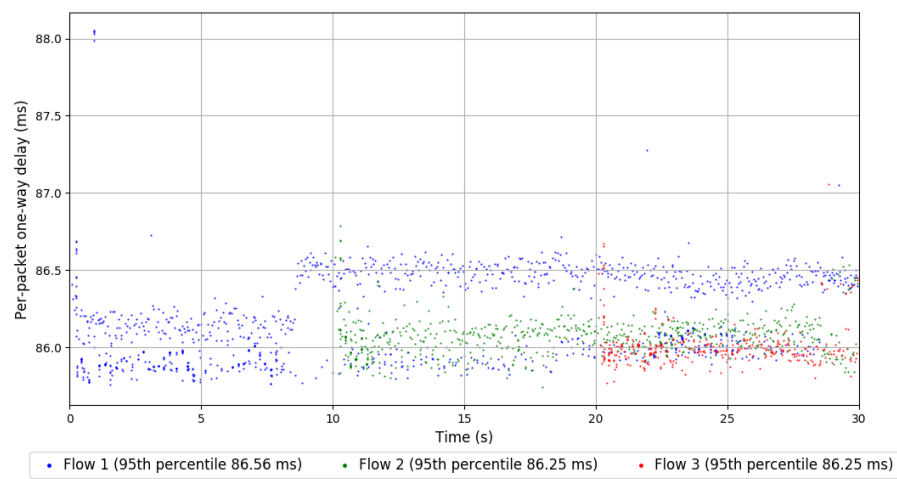
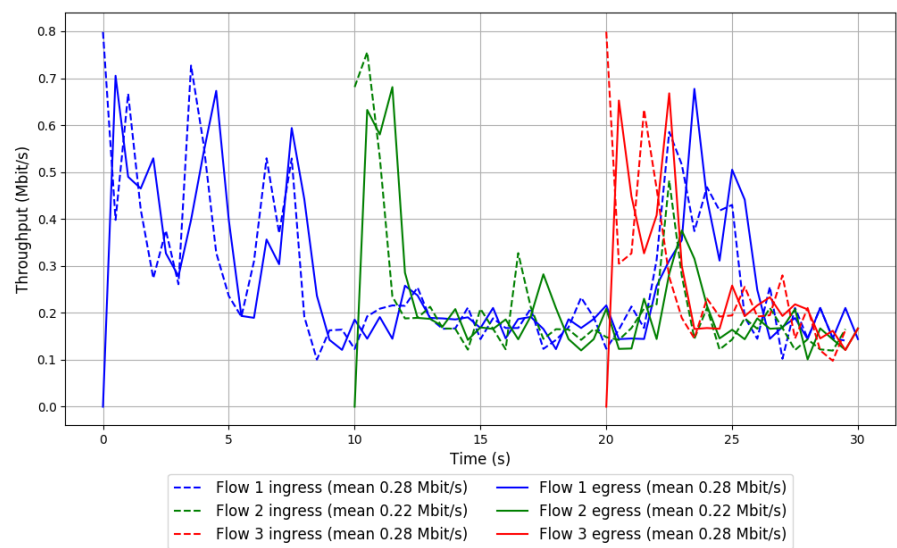
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.254 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

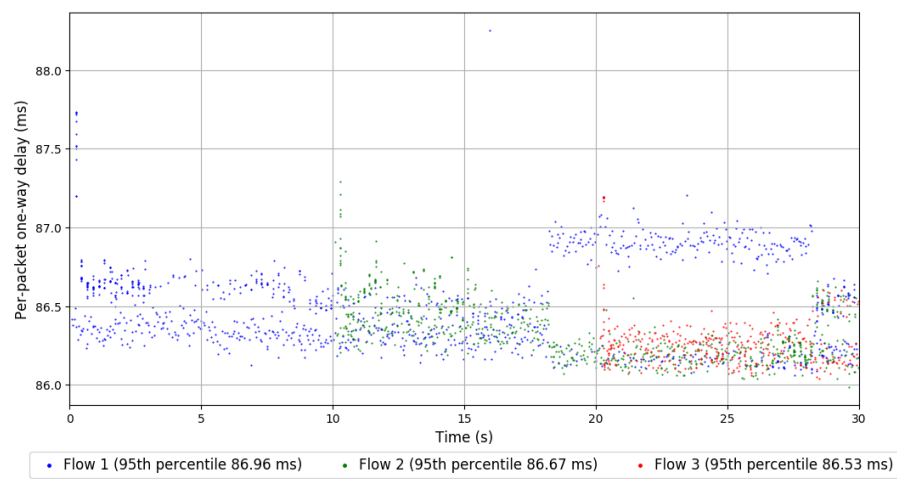
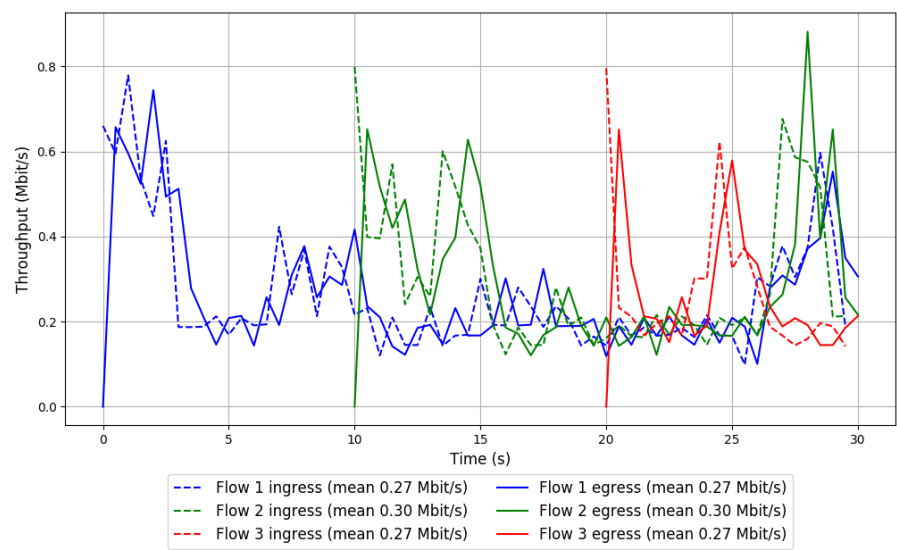


Run 10: Statistics of Sprout

Start at: 2018-05-24 08:41:51
End at: 2018-05-24 08:42:21
Local clock offset: 0.031 ms
Remote clock offset: 0.195 ms

```
# Below is generated by plot.py at 2018-05-24 10:36:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.531 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-24 05:01:43

End at: 2018-05-24 05:02:13

Local clock offset: -0.061 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 10:40:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.78 Mbit/s

95th percentile per-packet one-way delay: 90.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.07 Mbit/s

95th percentile per-packet one-way delay: 92.238 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 164.31 Mbit/s

95th percentile per-packet one-way delay: 88.077 ms

Loss rate: 0.00%

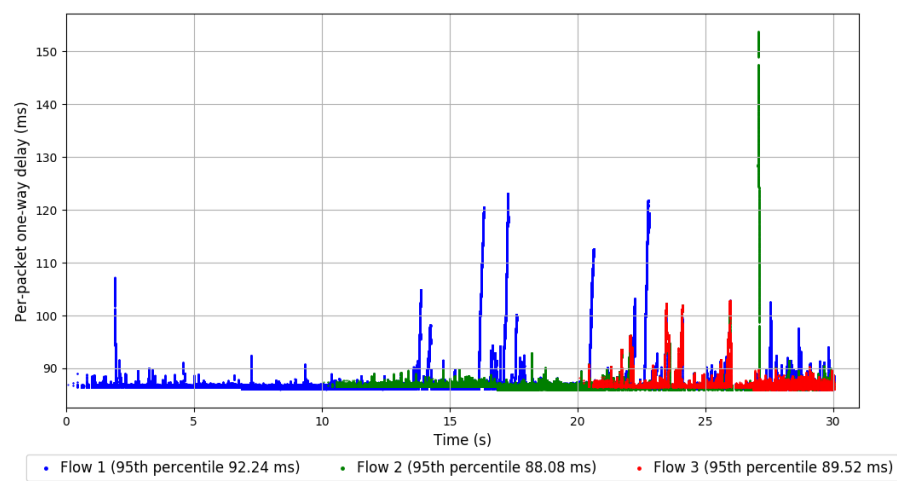
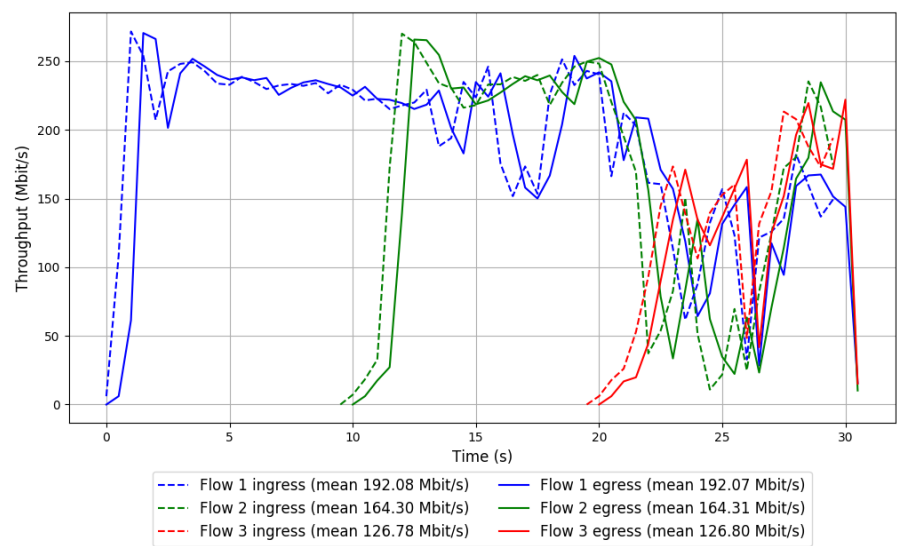
-- Flow 3:

Average throughput: 126.80 Mbit/s

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

Loss rate: 0.00%

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

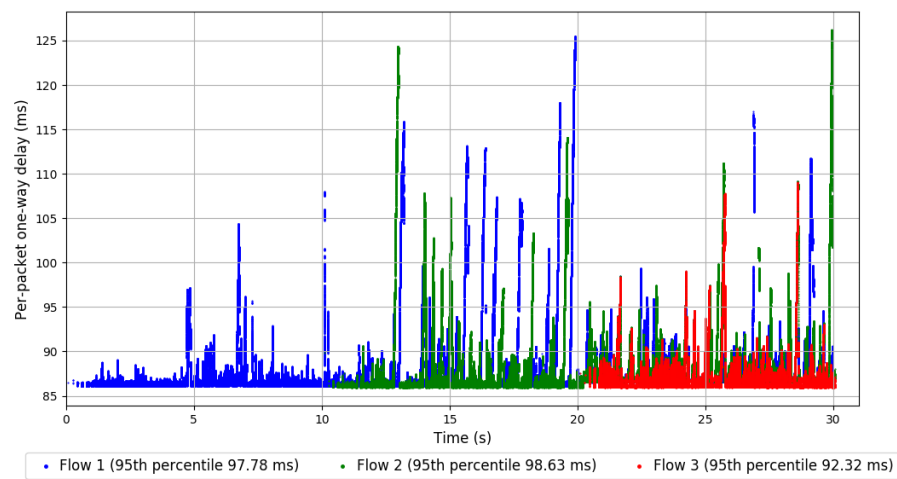
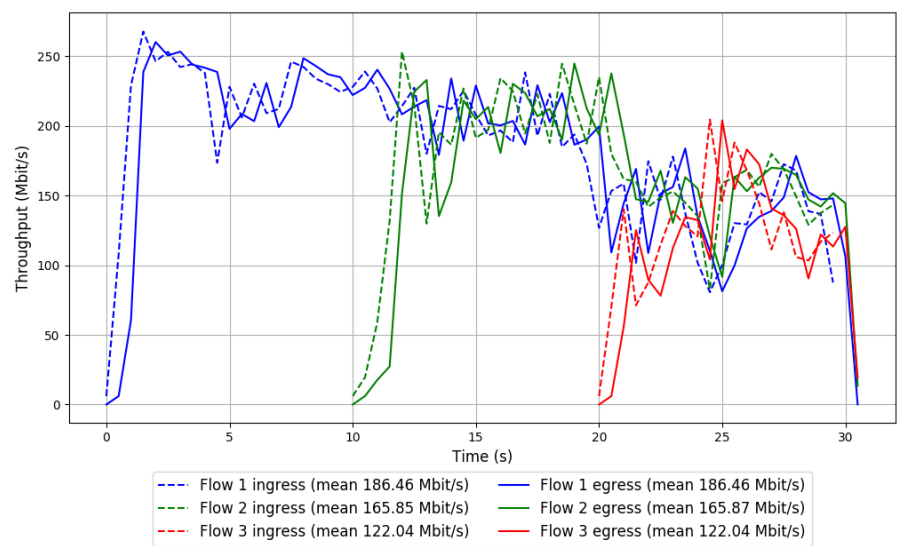


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-05-24 05:25:49
End at: 2018-05-24 05:26:19
Local clock offset: -0.019 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-05-24 10:40:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 337.04 Mbit/s
95th percentile per-packet one-way delay: 97.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 186.46 Mbit/s
95th percentile per-packet one-way delay: 97.777 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 165.87 Mbit/s
95th percentile per-packet one-way delay: 98.633 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.04 Mbit/s
95th percentile per-packet one-way delay: 92.322 ms
Loss rate: 0.00%
```

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

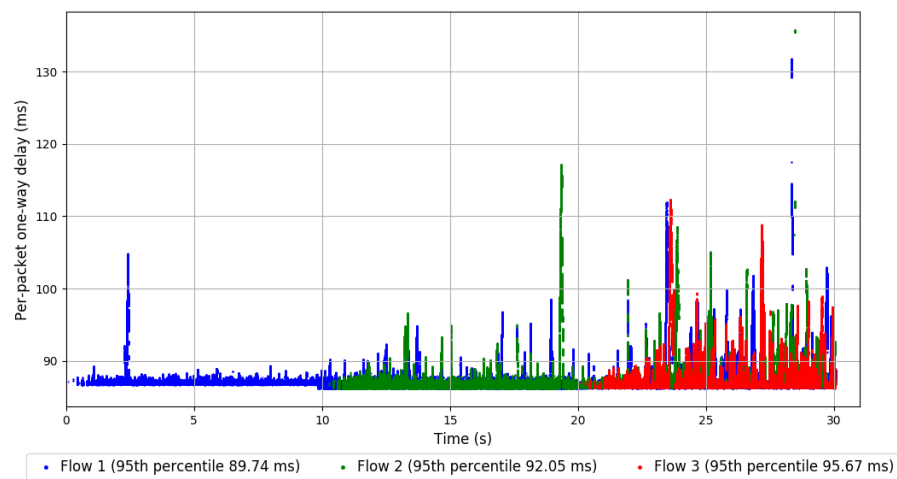
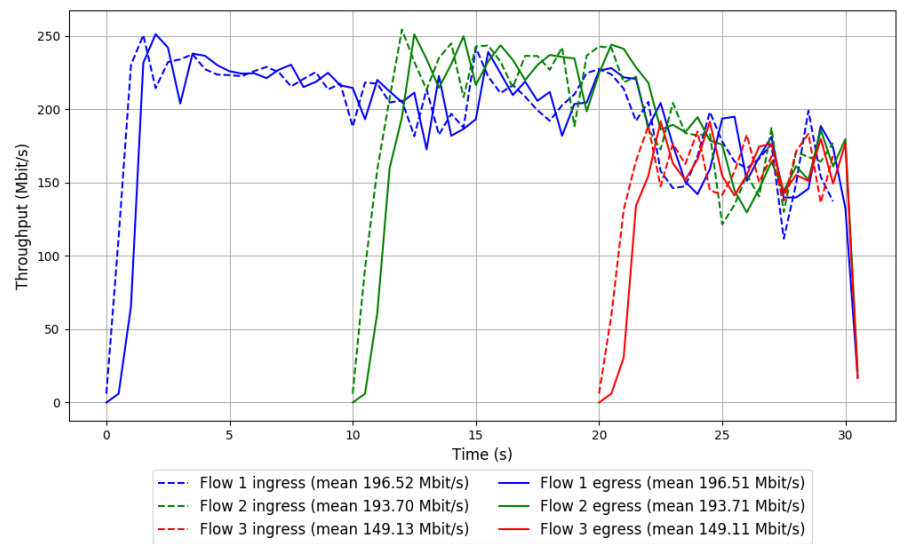


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-24 05:49:50
End at: 2018-05-24 05:50:20
Local clock offset: -0.246 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-24 10:41:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 374.92 Mbit/s
95th percentile per-packet one-way delay: 91.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.51 Mbit/s
95th percentile per-packet one-way delay: 89.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 193.71 Mbit/s
95th percentile per-packet one-way delay: 92.050 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 149.11 Mbit/s
95th percentile per-packet one-way delay: 95.672 ms
Loss rate: 0.00%

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

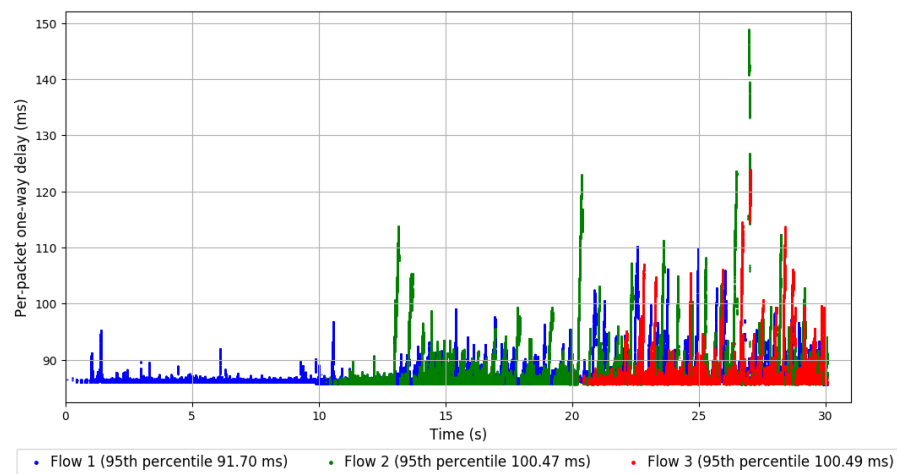
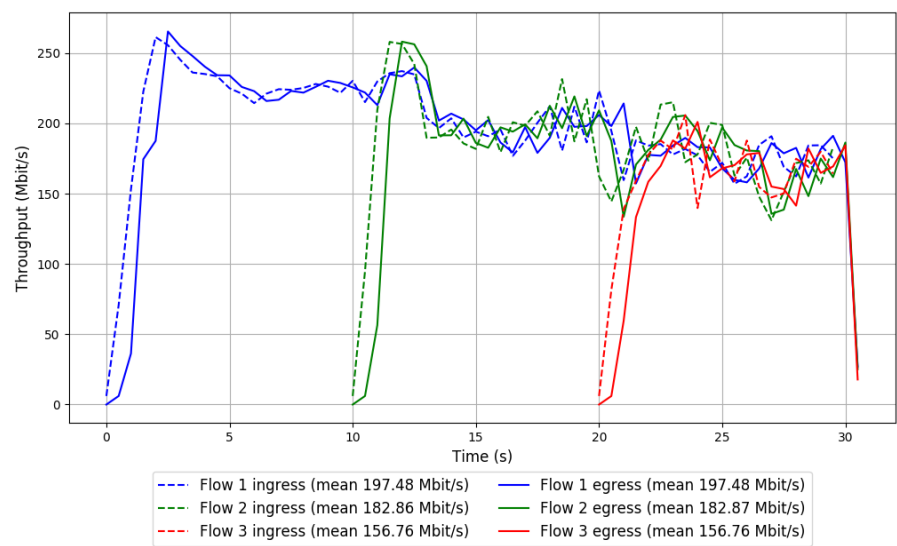


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-24 06:14:00
End at: 2018-05-24 06:14:30
Local clock offset: 0.421 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-05-24 10:42:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.36 Mbit/s
95th percentile per-packet one-way delay: 96.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.48 Mbit/s
95th percentile per-packet one-way delay: 91.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 182.87 Mbit/s
95th percentile per-packet one-way delay: 100.471 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 156.76 Mbit/s
95th percentile per-packet one-way delay: 100.494 ms
Loss rate: 0.00%

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

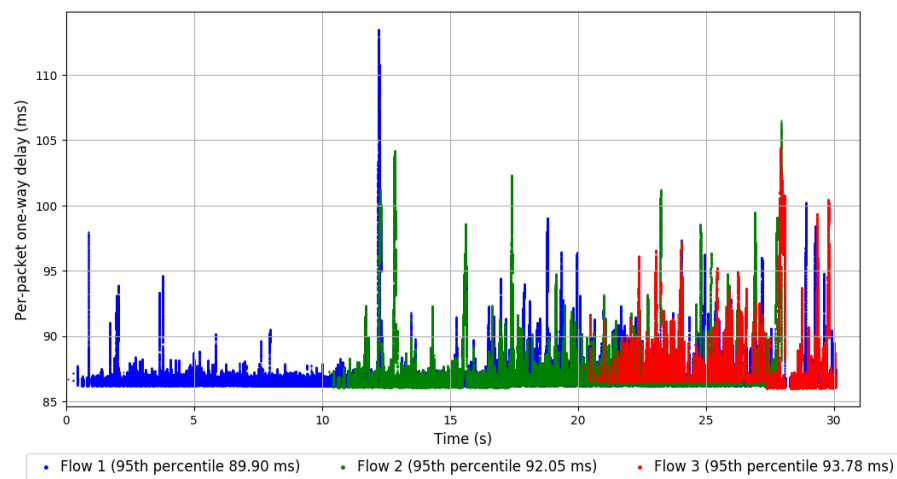
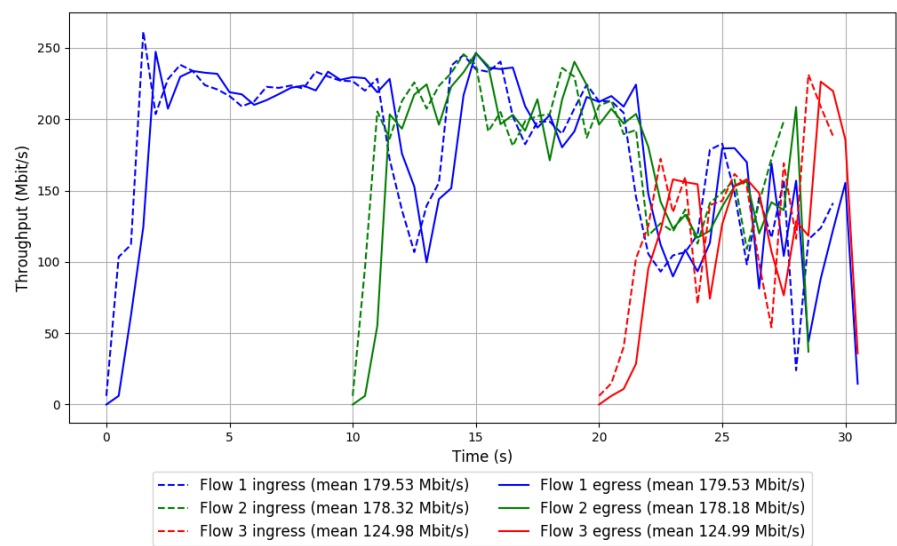


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-24 06:38:12
End at: 2018-05-24 06:38:42
Local clock offset: -0.111 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-24 10:42:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 327.85 Mbit/s
95th percentile per-packet one-way delay: 91.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.53 Mbit/s
95th percentile per-packet one-way delay: 89.897 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.18 Mbit/s
95th percentile per-packet one-way delay: 92.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.99 Mbit/s
95th percentile per-packet one-way delay: 93.779 ms
Loss rate: 0.00%

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

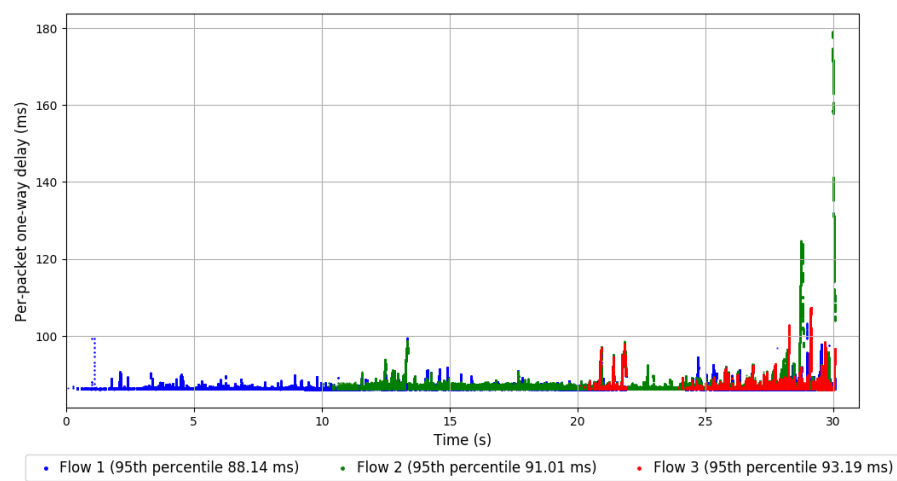
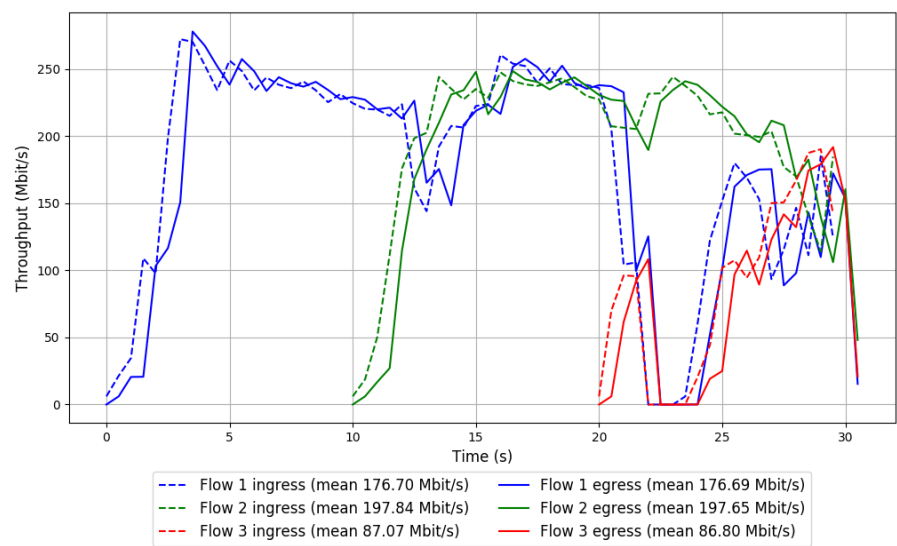


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-24 07:02:10
End at: 2018-05-24 07:02:40
Local clock offset: -0.139 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-05-24 10:44:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 337.16 Mbit/s
95th percentile per-packet one-way delay: 89.623 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 176.69 Mbit/s
95th percentile per-packet one-way delay: 88.141 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 197.65 Mbit/s
95th percentile per-packet one-way delay: 91.011 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 93.195 ms
Loss rate: 0.30%

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

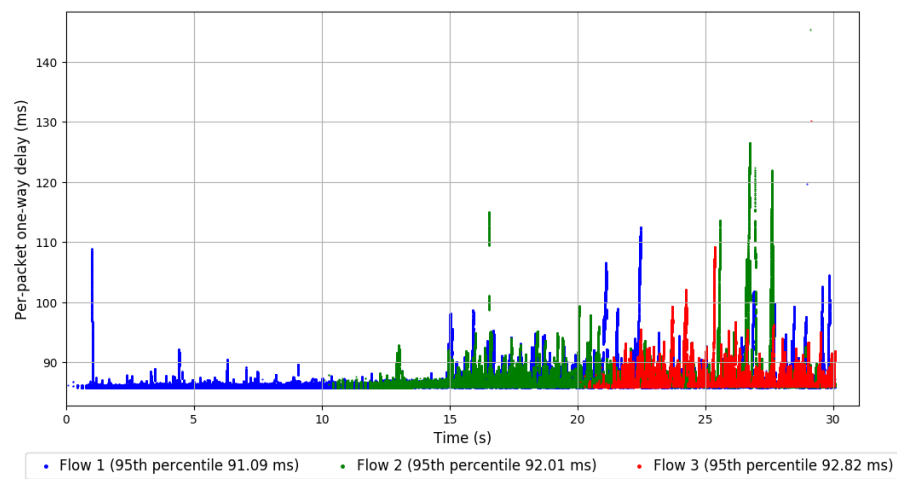
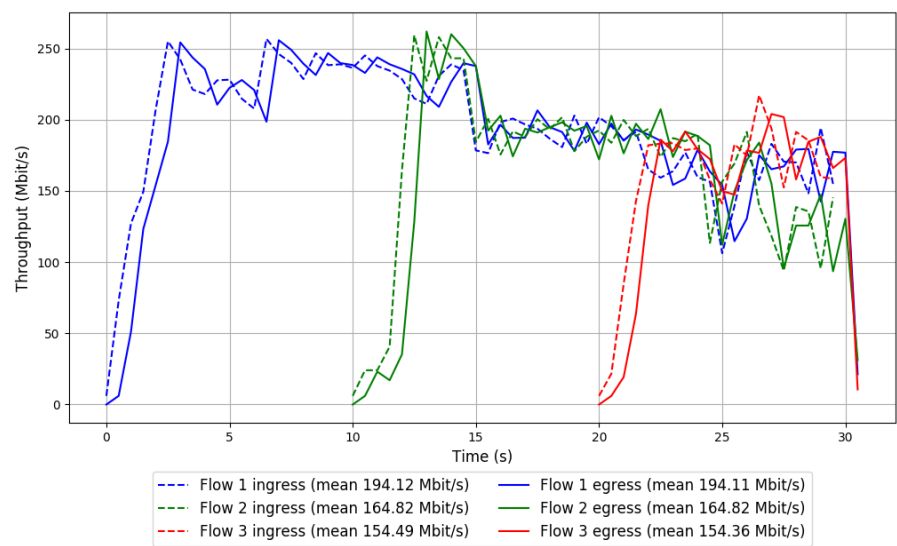


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-24 07:26:26
End at: 2018-05-24 07:26:56
Local clock offset: -0.011 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-05-24 10:47:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.17 Mbit/s
95th percentile per-packet one-way delay: 91.762 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 194.11 Mbit/s
95th percentile per-packet one-way delay: 91.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.82 Mbit/s
95th percentile per-packet one-way delay: 92.014 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 154.36 Mbit/s
95th percentile per-packet one-way delay: 92.818 ms
Loss rate: 0.09%

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

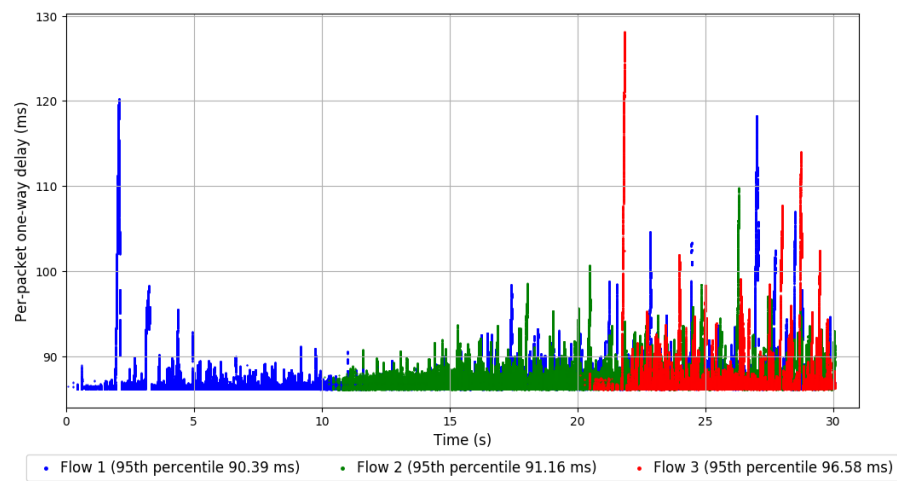
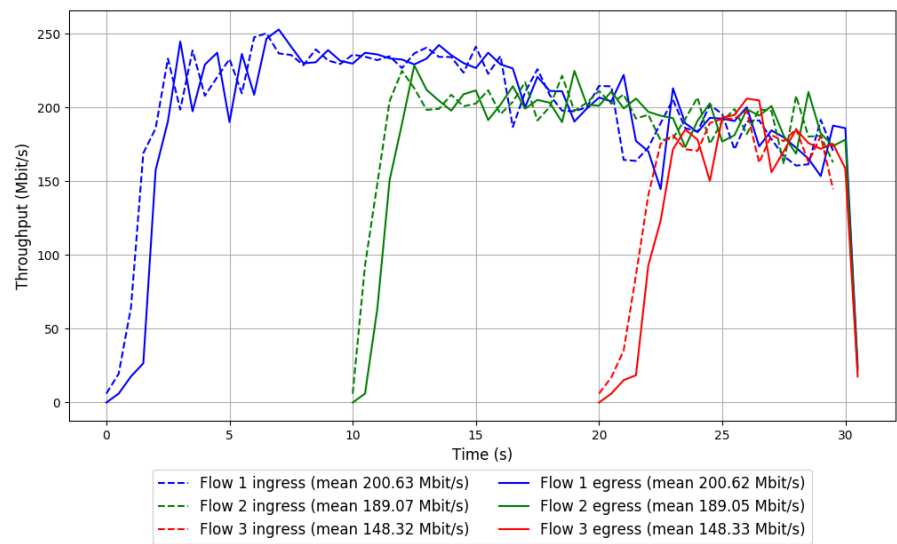


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-24 07:50:30
End at: 2018-05-24 07:51:00
Local clock offset: -0.2 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-24 10:49:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 375.75 Mbit/s
95th percentile per-packet one-way delay: 91.515 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.62 Mbit/s
95th percentile per-packet one-way delay: 90.386 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 189.05 Mbit/s
95th percentile per-packet one-way delay: 91.160 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 148.33 Mbit/s
95th percentile per-packet one-way delay: 96.582 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-24 08:14:47

End at: 2018-05-24 08:15:17

Local clock offset: 0.024 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at 2018-05-24 10:53:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 374.73 Mbit/s

95th percentile per-packet one-way delay: 90.795 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 198.10 Mbit/s

95th percentile per-packet one-way delay: 89.675 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 188.14 Mbit/s

95th percentile per-packet one-way delay: 90.792 ms

Loss rate: 0.00%

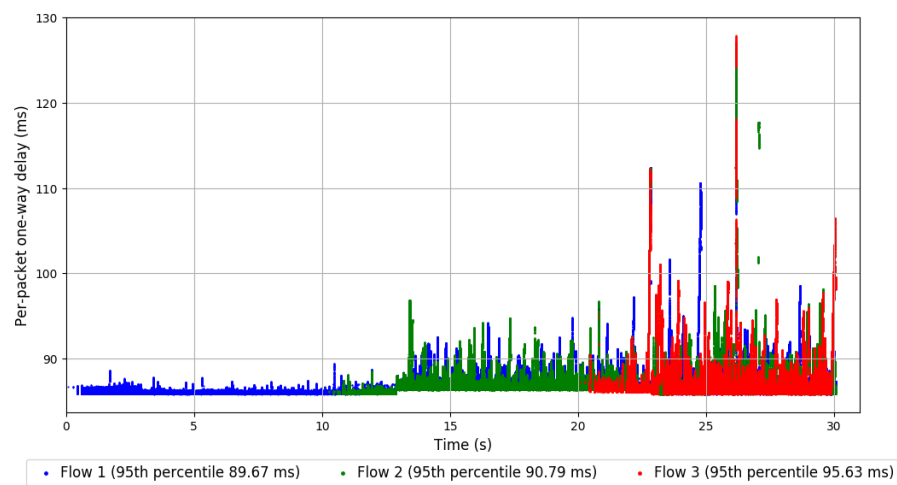
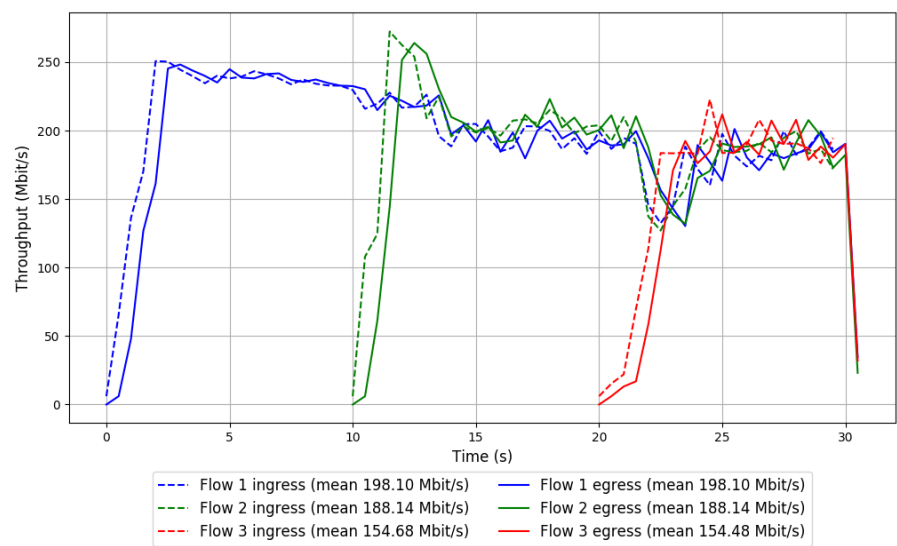
-- Flow 3:

Average throughput: 154.48 Mbit/s

95th percentile per-packet one-way delay: 95.627 ms

Loss rate: 0.13%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-05-24 08:38:48

End at: 2018-05-24 08:39:18

Local clock offset: 0.023 ms

Remote clock offset: 0.196 ms

Below is generated by plot.py at 2018-05-24 10:53:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 353.28 Mbit/s

95th percentile per-packet one-way delay: 91.761 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 190.17 Mbit/s

95th percentile per-packet one-way delay: 89.573 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 184.67 Mbit/s

95th percentile per-packet one-way delay: 93.345 ms

Loss rate: 0.00%

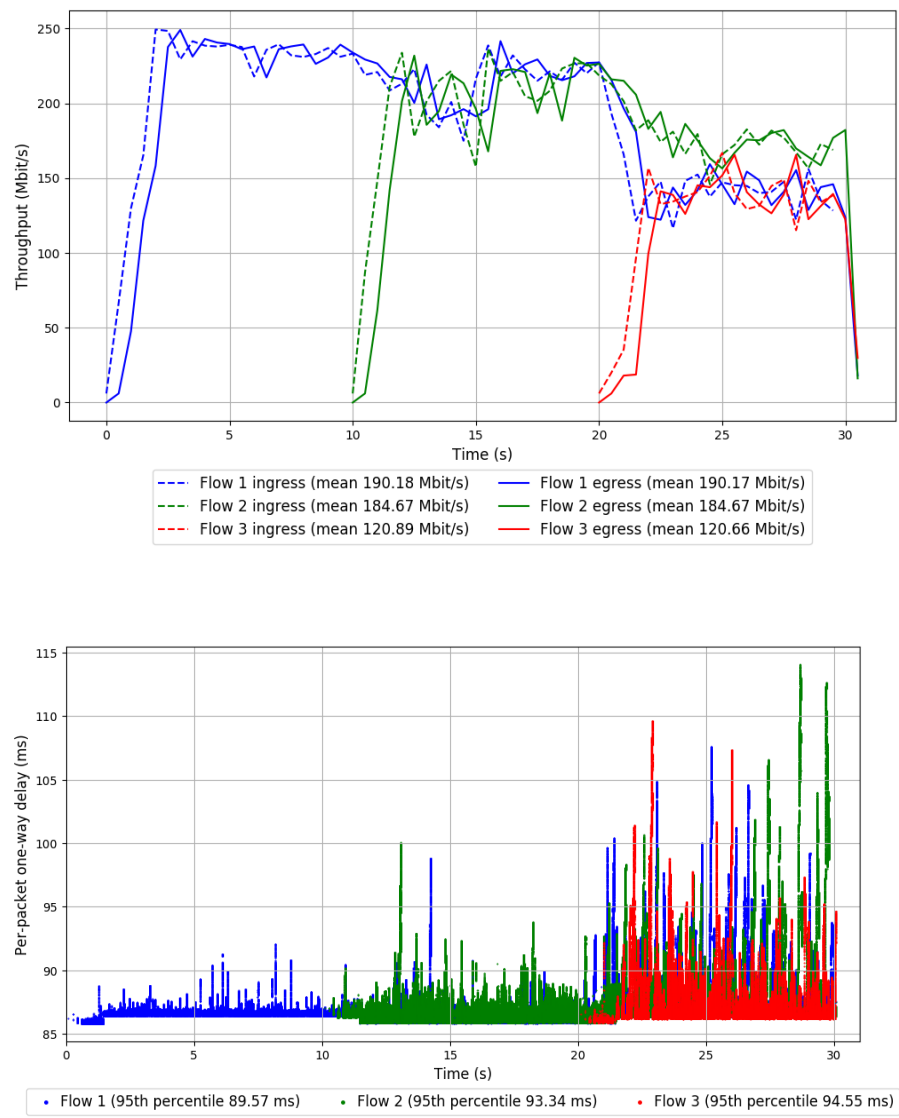
-- Flow 3:

Average throughput: 120.66 Mbit/s

95th percentile per-packet one-way delay: 94.550 ms

Loss rate: 0.19%

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

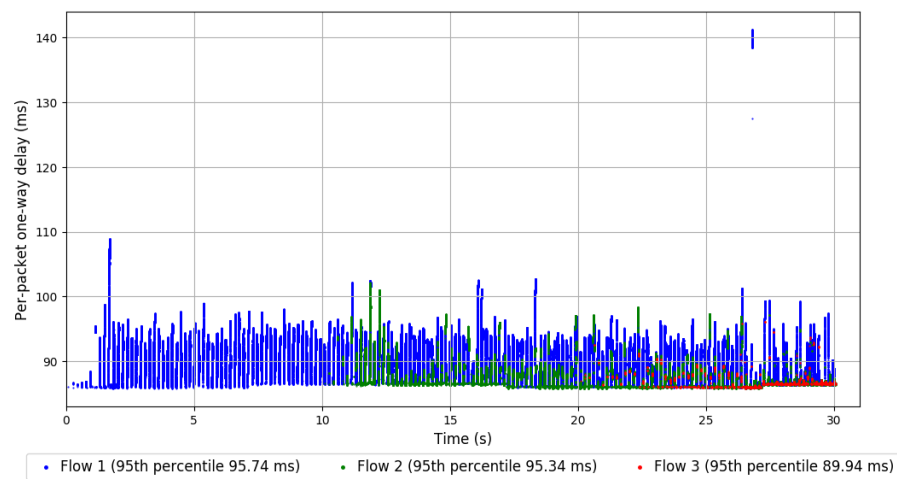
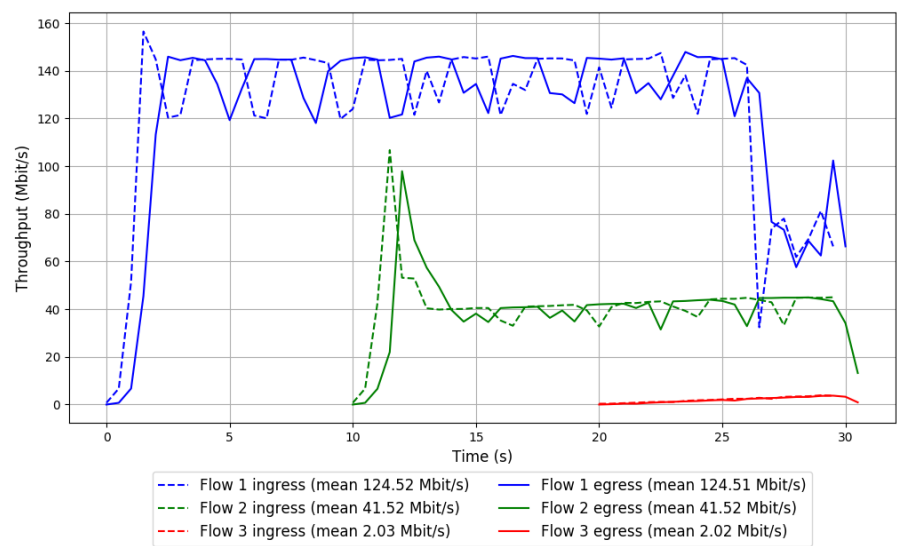


Run 1: Statistics of TCP Vegas

Start at: 2018-05-24 05:00:22
End at: 2018-05-24 05:00:52
Local clock offset: 0.11 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 152.55 Mbit/s
95th percentile per-packet one-way delay: 95.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.51 Mbit/s
95th percentile per-packet one-way delay: 95.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.52 Mbit/s
95th percentile per-packet one-way delay: 95.340 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 89.939 ms
Loss rate: 0.47%

Run 1: Report of TCP Vegas — Data Link

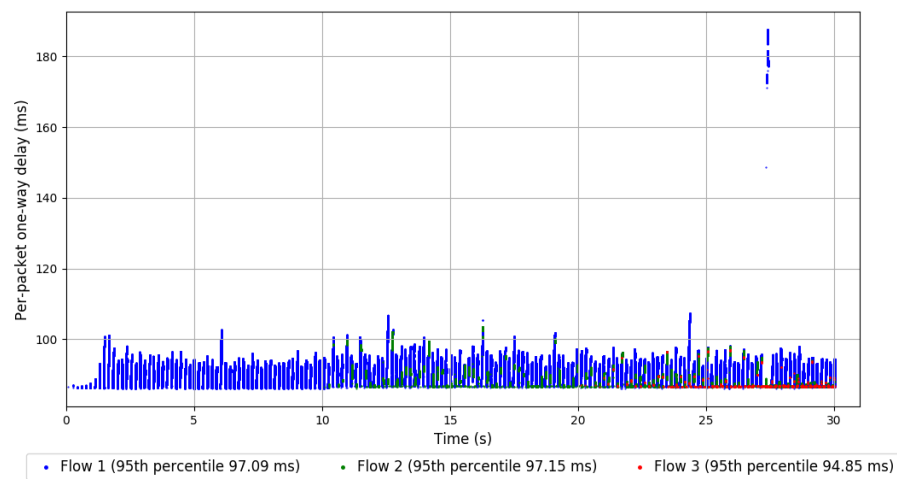
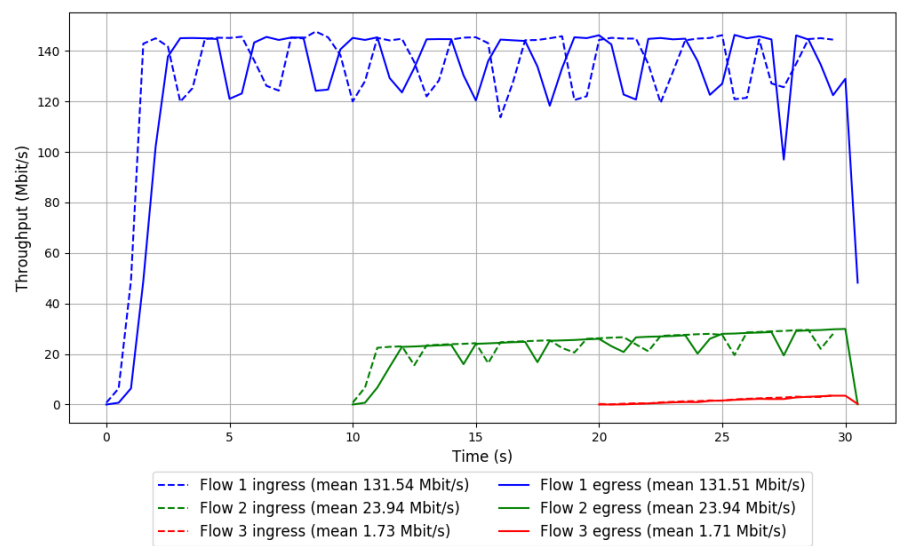


Run 2: Statistics of TCP Vegas

Start at: 2018-05-24 05:24:29
End at: 2018-05-24 05:24:59
Local clock offset: 0.039 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.02 Mbit/s
95th percentile per-packet one-way delay: 97.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.51 Mbit/s
95th percentile per-packet one-way delay: 97.090 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 23.94 Mbit/s
95th percentile per-packet one-way delay: 97.154 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.71 Mbit/s
95th percentile per-packet one-way delay: 94.847 ms
Loss rate: 0.70%

Run 2: Report of TCP Vegas — Data Link

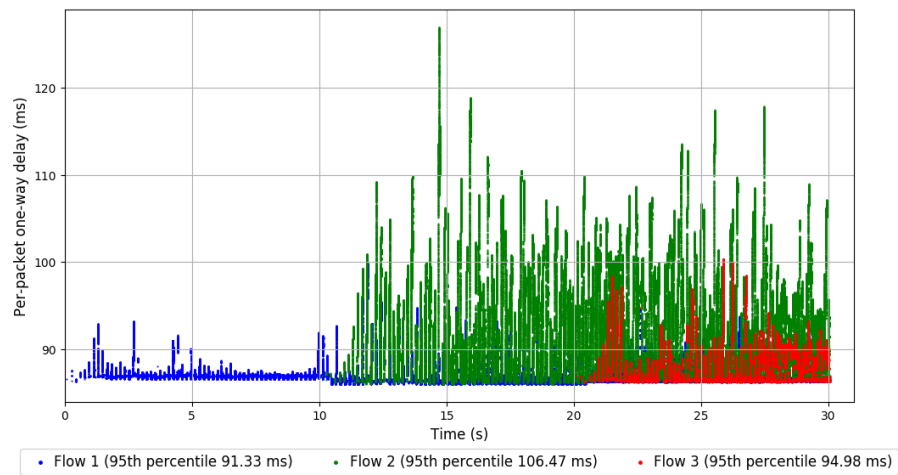
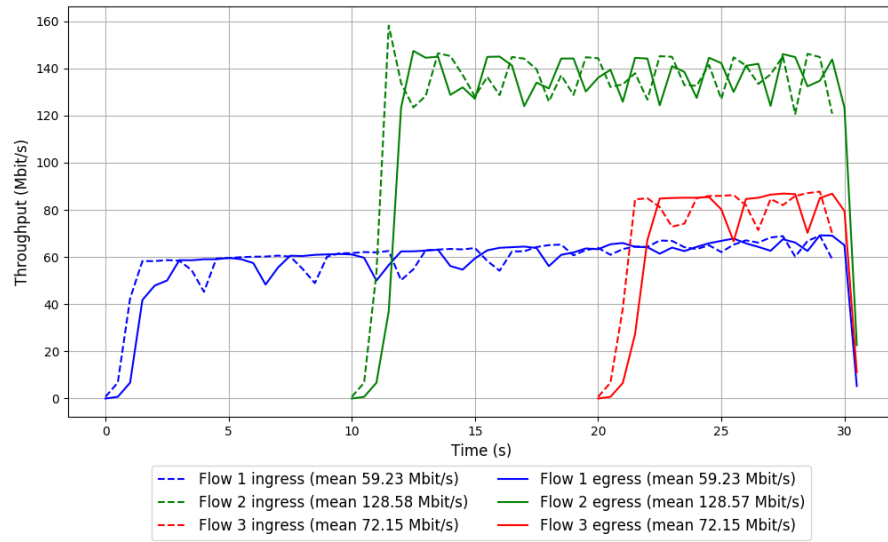


Run 3: Statistics of TCP Vegas

Start at: 2018-05-24 05:48:29
End at: 2018-05-24 05:48:59
Local clock offset: -0.014 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.65 Mbit/s
95th percentile per-packet one-way delay: 103.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 91.332 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 128.57 Mbit/s
95th percentile per-packet one-way delay: 106.471 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 94.976 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

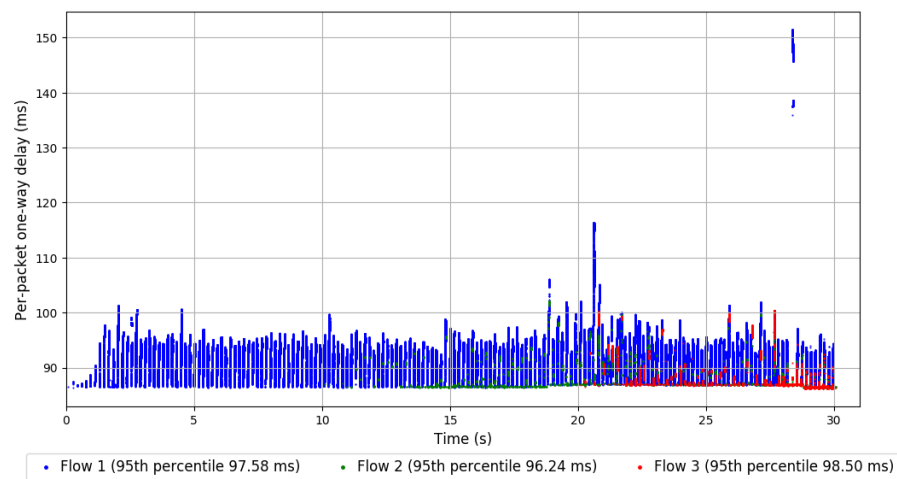
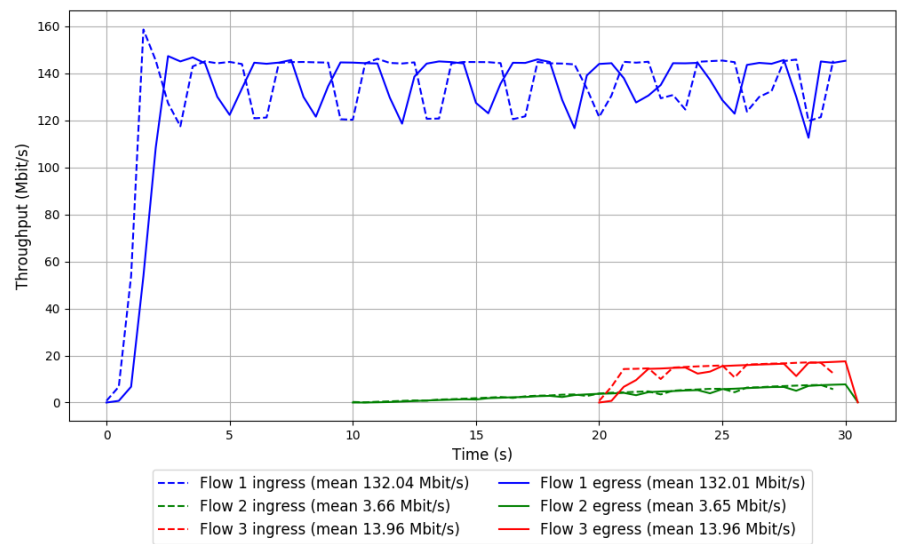


Run 4: Statistics of TCP Vegas

Start at: 2018-05-24 06:12:41
End at: 2018-05-24 06:13:11
Local clock offset: -0.166 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.75 Mbit/s
95th percentile per-packet one-way delay: 97.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.01 Mbit/s
95th percentile per-packet one-way delay: 97.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 96.239 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 98.496 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

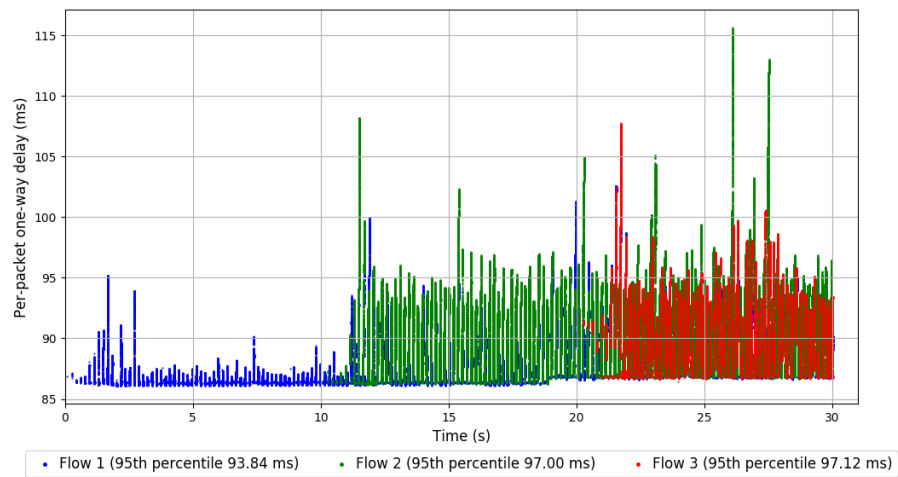
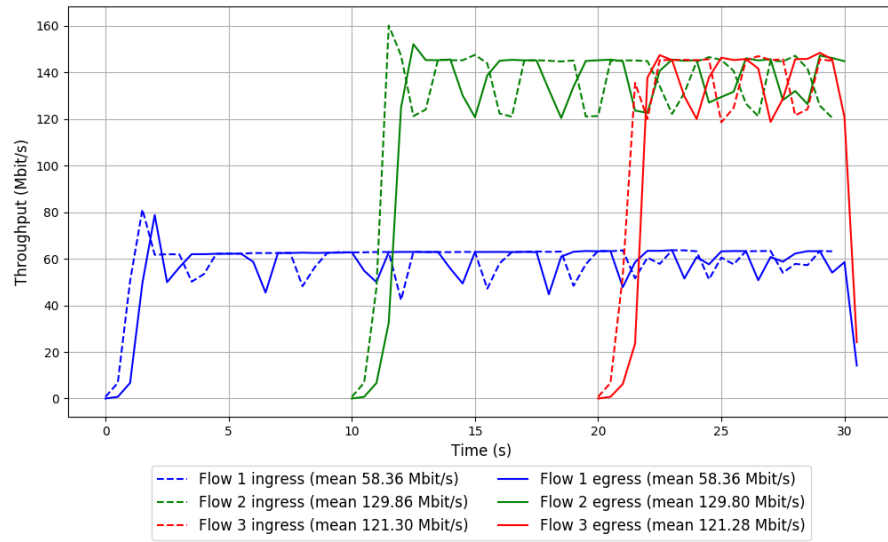


Run 5: Statistics of TCP Vegas

Start at: 2018-05-24 06:36:51
End at: 2018-05-24 06:37:21
Local clock offset: -0.127 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 184.66 Mbit/s
95th percentile per-packet one-way delay: 96.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.36 Mbit/s
95th percentile per-packet one-way delay: 93.838 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.80 Mbit/s
95th percentile per-packet one-way delay: 96.999 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 121.28 Mbit/s
95th percentile per-packet one-way delay: 97.122 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

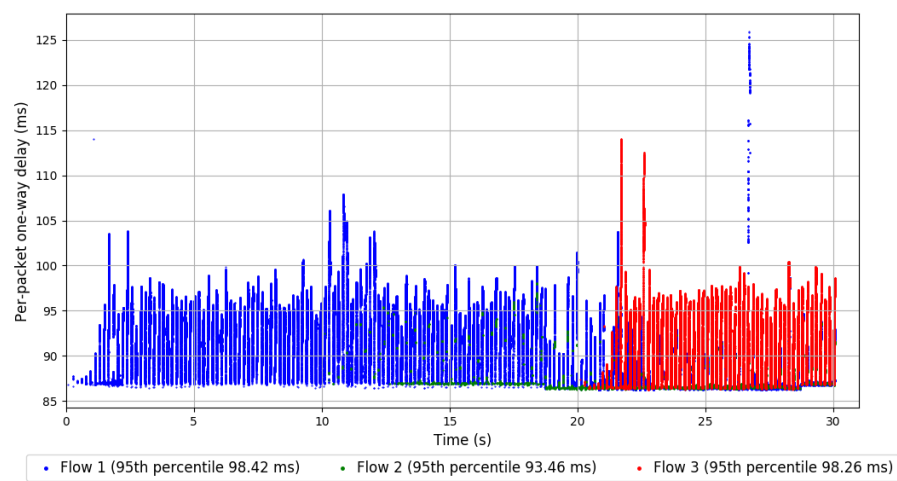
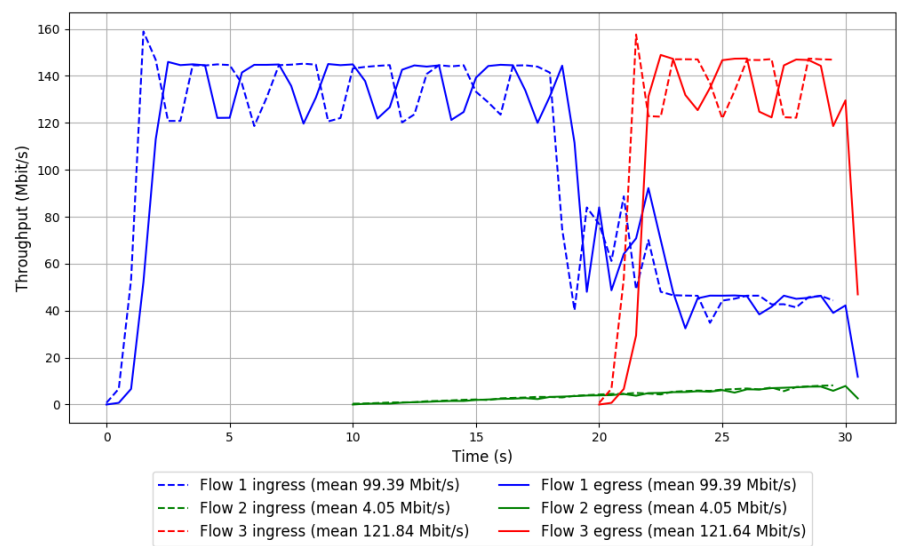


Run 6: Statistics of TCP Vegas

Start at: 2018-05-24 07:00:51
End at: 2018-05-24 07:01:21
Local clock offset: -0.348 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 142.47 Mbit/s
95th percentile per-packet one-way delay: 98.329 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 99.39 Mbit/s
95th percentile per-packet one-way delay: 98.422 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 93.462 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 121.64 Mbit/s
95th percentile per-packet one-way delay: 98.256 ms
Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link

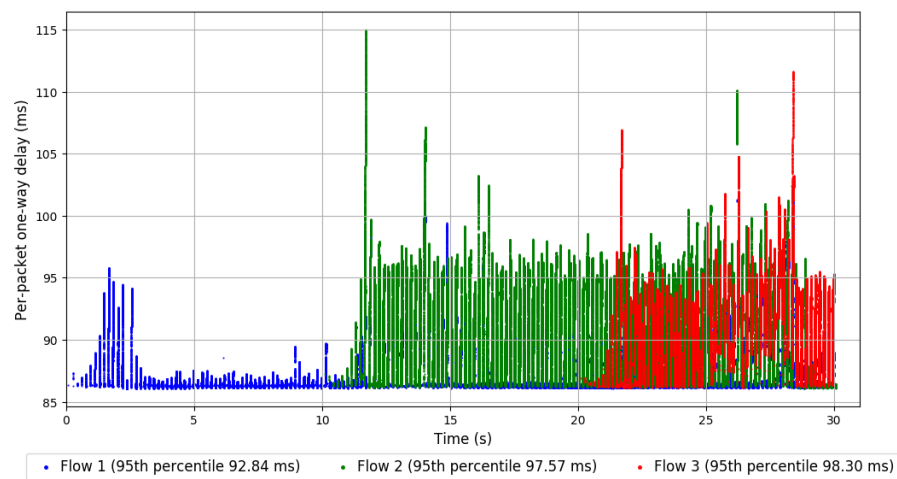
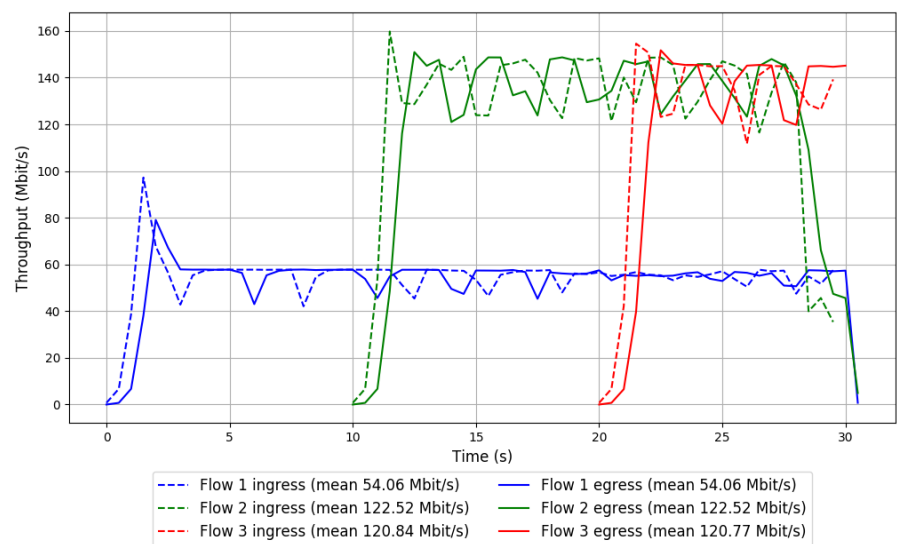


Run 7: Statistics of TCP Vegas

Start at: 2018-05-24 07:25:05
End at: 2018-05-24 07:25:35
Local clock offset: -0.252 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 175.54 Mbit/s
95th percentile per-packet one-way delay: 97.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.06 Mbit/s
95th percentile per-packet one-way delay: 92.843 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 122.52 Mbit/s
95th percentile per-packet one-way delay: 97.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 120.77 Mbit/s
95th percentile per-packet one-way delay: 98.296 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

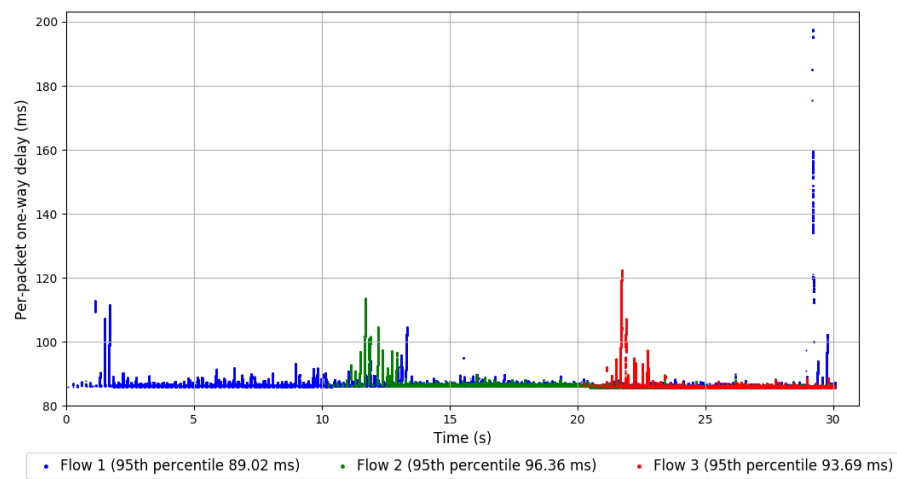
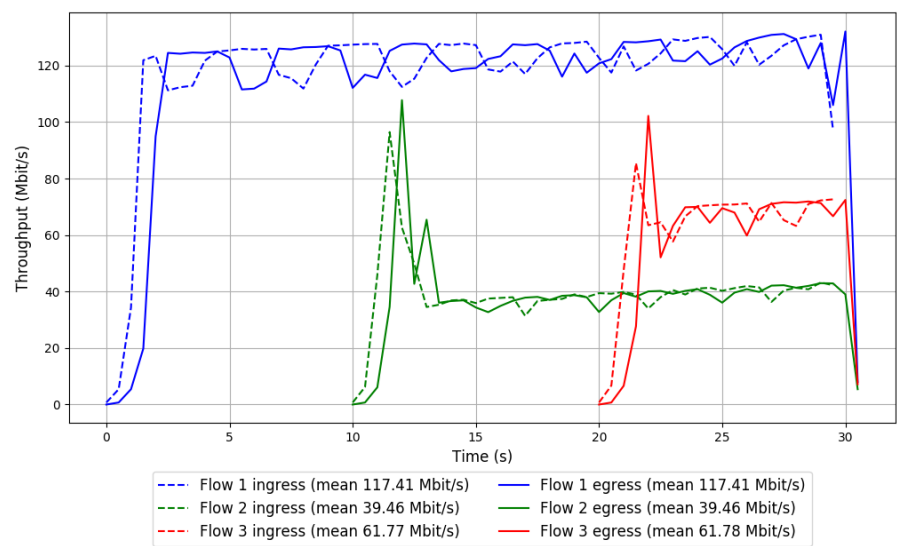


Run 8: Statistics of TCP Vegas

Start at: 2018-05-24 07:49:09
End at: 2018-05-24 07:49:39
Local clock offset: 0.274 ms
Remote clock offset: -0.015 ms

```
# Below is generated by plot.py at 2018-05-24 10:53:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 164.13 Mbit/s
95th percentile per-packet one-way delay: 90.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: 89.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 96.357 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.78 Mbit/s
95th percentile per-packet one-way delay: 93.691 ms
Loss rate: 0.00%
```

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-24 08:13:23

End at: 2018-05-24 08:13:53

Local clock offset: 0.201 ms

Remote clock offset: 0.077 ms

Below is generated by plot.py at 2018-05-24 10:53:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 210.97 Mbit/s

95th percentile per-packet one-way delay: 97.089 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 132.41 Mbit/s

95th percentile per-packet one-way delay: 97.488 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 58.67 Mbit/s

95th percentile per-packet one-way delay: 93.189 ms

Loss rate: 0.00%

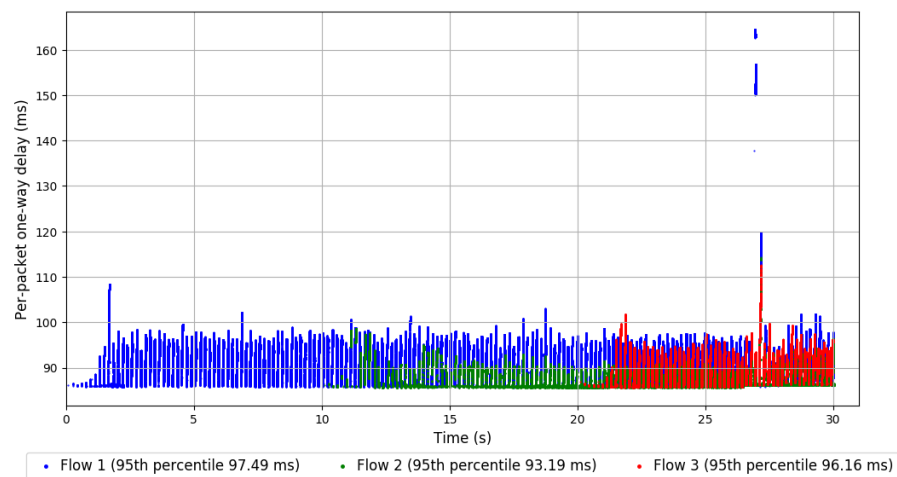
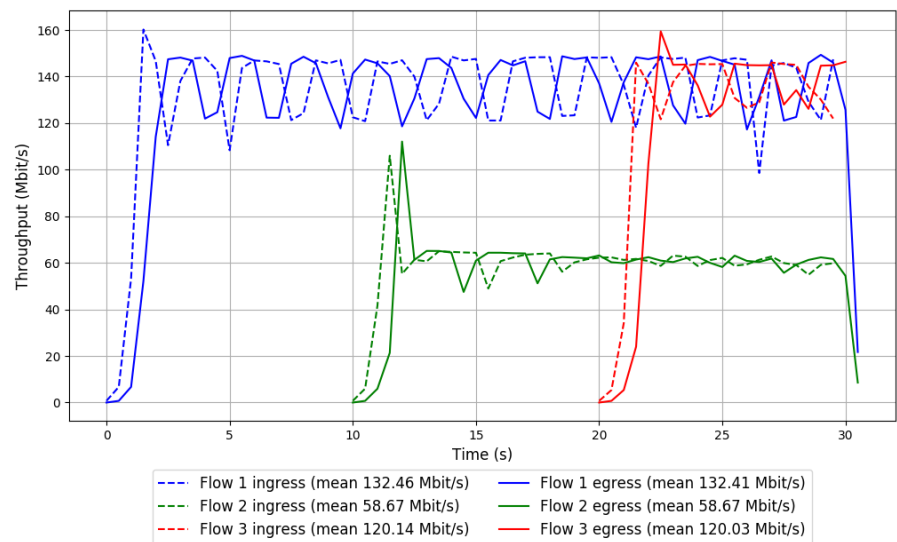
-- Flow 3:

Average throughput: 120.03 Mbit/s

95th percentile per-packet one-way delay: 96.160 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-24 08:37:25

End at: 2018-05-24 08:37:55

Local clock offset: 0.142 ms

Remote clock offset: 0.211 ms

Below is generated by plot.py at 2018-05-24 10:53:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 96.806 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 132.32 Mbit/s

95th percentile per-packet one-way delay: 96.632 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 129.54 Mbit/s

95th percentile per-packet one-way delay: 97.172 ms

Loss rate: 0.00%

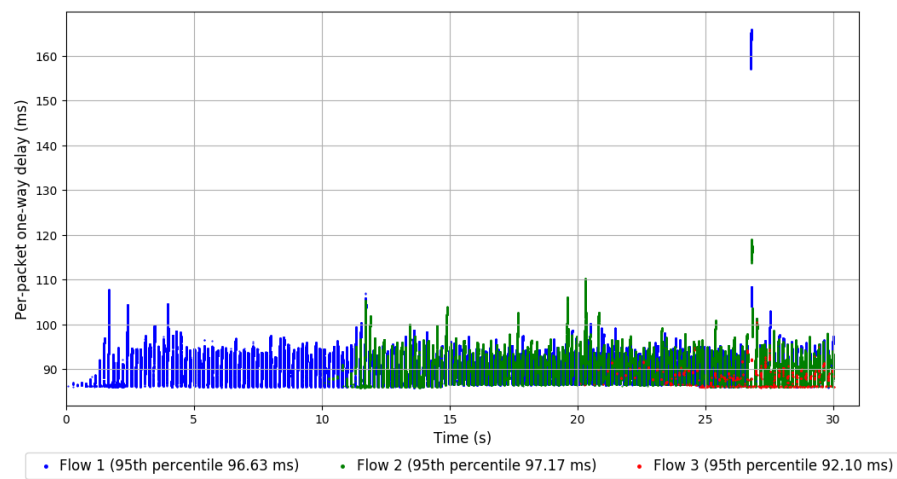
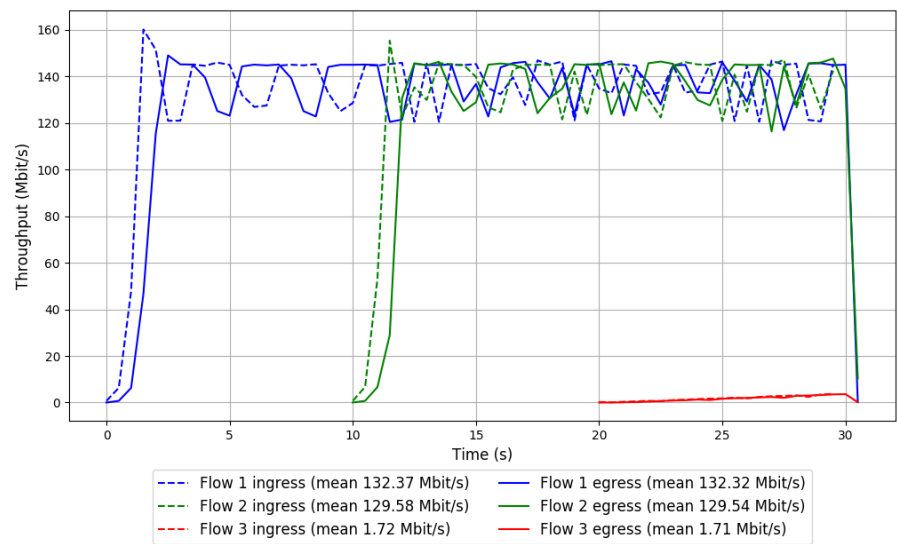
-- Flow 3:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 92.102 ms

Loss rate: 0.70%

Run 10: Report of TCP Vegas — Data Link

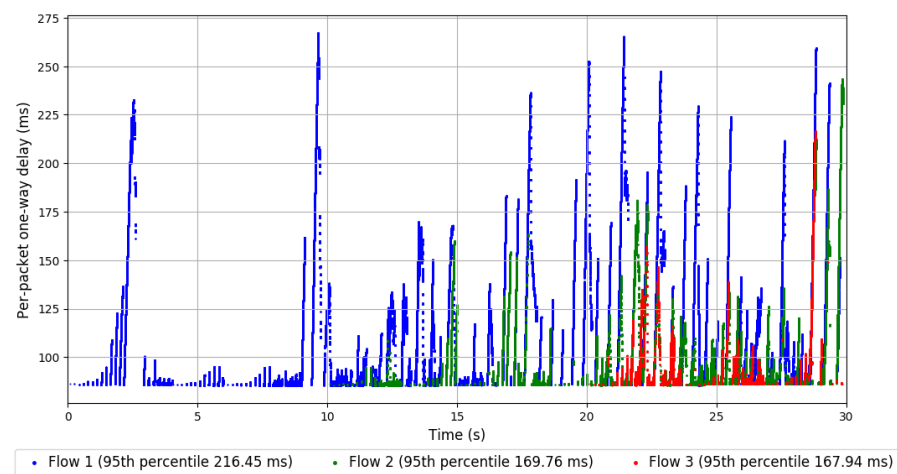
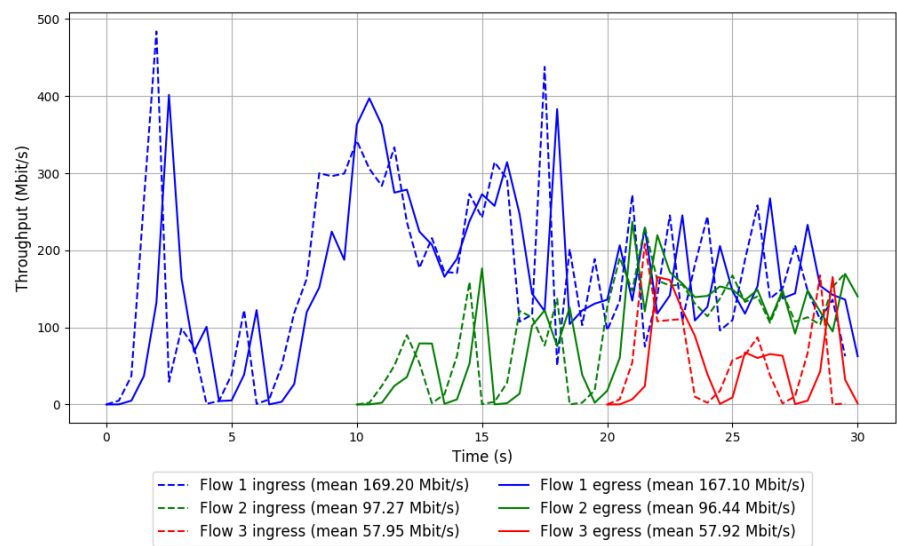


Run 1: Statistics of Verus

Start at: 2018-05-24 04:55:15
End at: 2018-05-24 04:55:45
Local clock offset: 0.357 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-24 10:53:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.71 Mbit/s
95th percentile per-packet one-way delay: 206.022 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 167.10 Mbit/s
95th percentile per-packet one-way delay: 216.453 ms
Loss rate: 1.24%
-- Flow 2:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 169.759 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 167.943 ms
Loss rate: 0.04%

Run 1: Report of Verus — Data Link

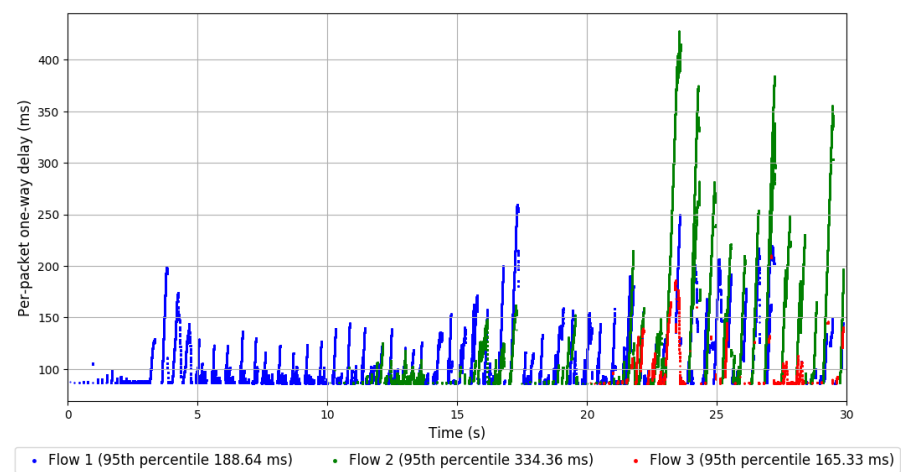
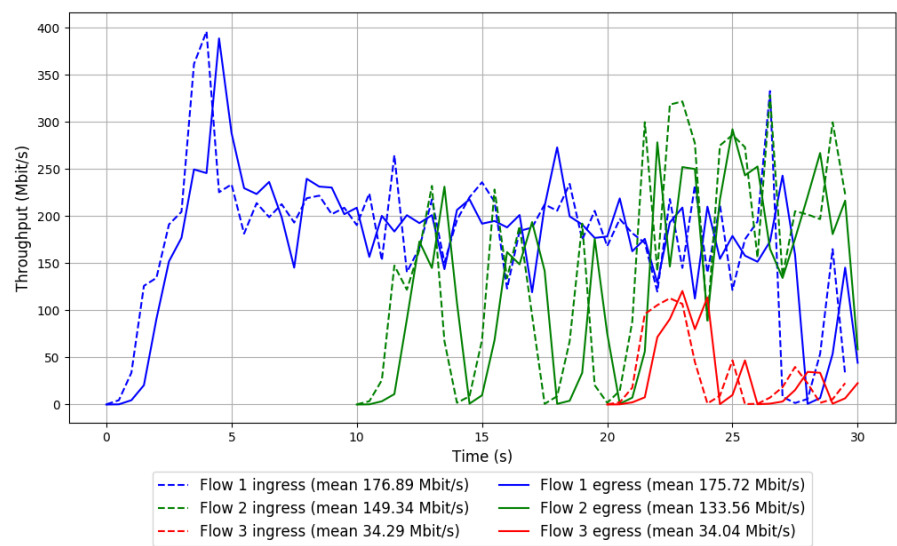


Run 2: Statistics of Verus

Start at: 2018-05-24 05:19:22
End at: 2018-05-24 05:19:52
Local clock offset: -0.099 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-05-24 10:54:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 275.52 Mbit/s
95th percentile per-packet one-way delay: 232.316 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 175.72 Mbit/s
95th percentile per-packet one-way delay: 188.641 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 133.56 Mbit/s
95th percentile per-packet one-way delay: 334.361 ms
Loss rate: 10.56%
-- Flow 3:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 165.329 ms
Loss rate: 0.18%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-05-24 05:43:22

End at: 2018-05-24 05:43:52

Local clock offset: -0.044 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-05-24 10:55:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 298.04 Mbit/s

95th percentile per-packet one-way delay: 183.303 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 186.62 Mbit/s

95th percentile per-packet one-way delay: 189.530 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 141.25 Mbit/s

95th percentile per-packet one-way delay: 170.946 ms

Loss rate: 0.47%

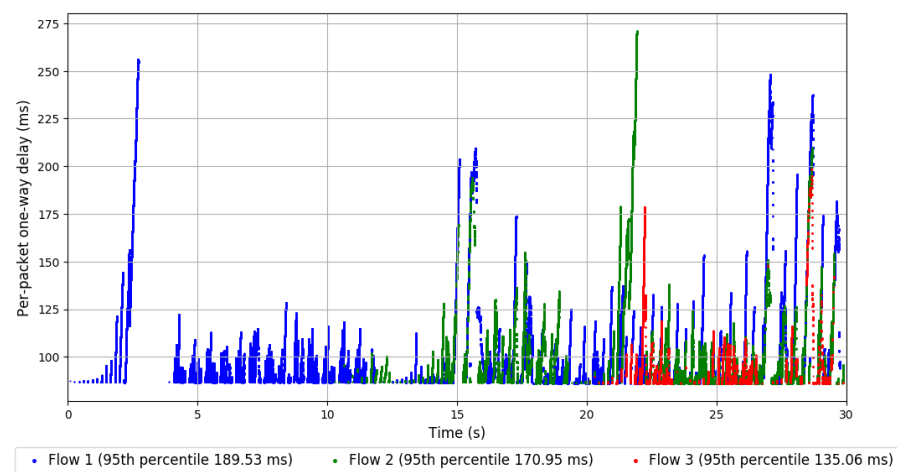
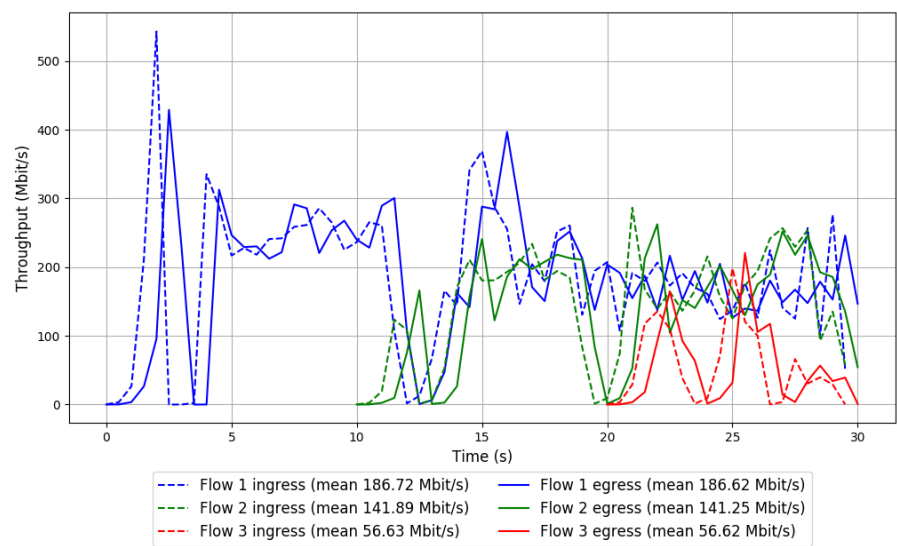
-- Flow 3:

Average throughput: 56.62 Mbit/s

95th percentile per-packet one-way delay: 135.059 ms

Loss rate: 0.02%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-05-24 06:07:30

End at: 2018-05-24 06:08:00

Local clock offset: 0.19 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 10:56:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.17 Mbit/s

95th percentile per-packet one-way delay: 221.137 ms

Loss rate: 0.96%

-- Flow 1:

Average throughput: 209.60 Mbit/s

95th percentile per-packet one-way delay: 201.546 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 120.11 Mbit/s

95th percentile per-packet one-way delay: 201.899 ms

Loss rate: 0.89%

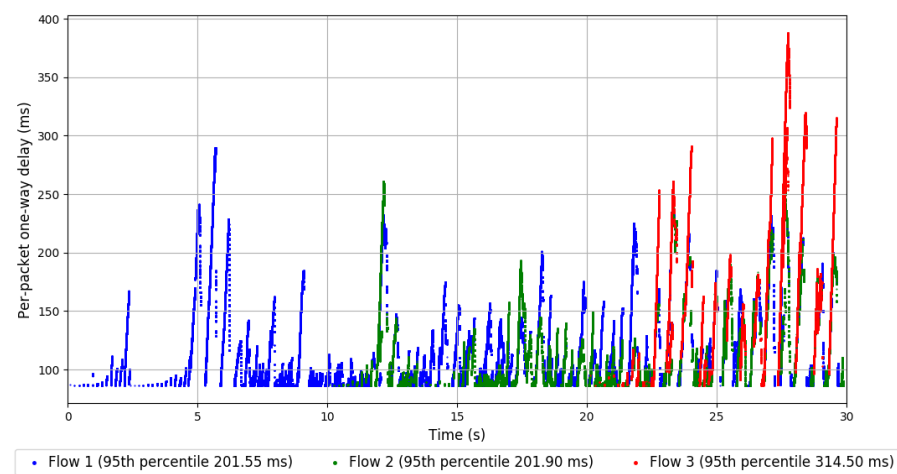
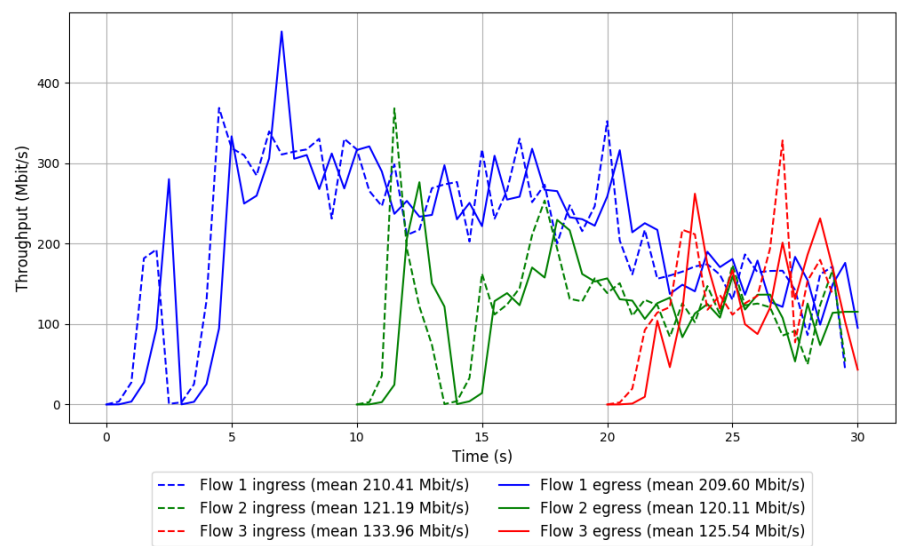
-- Flow 3:

Average throughput: 125.54 Mbit/s

95th percentile per-packet one-way delay: 314.500 ms

Loss rate: 4.05%

Run 4: Report of Verus — Data Link

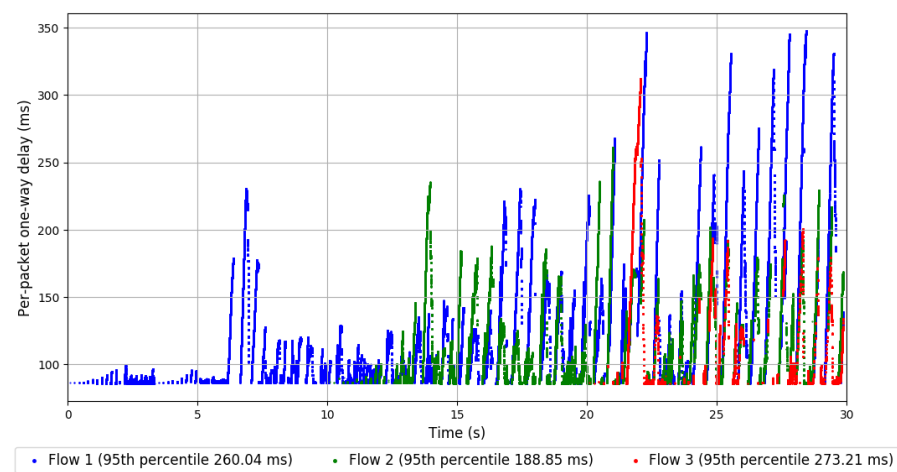
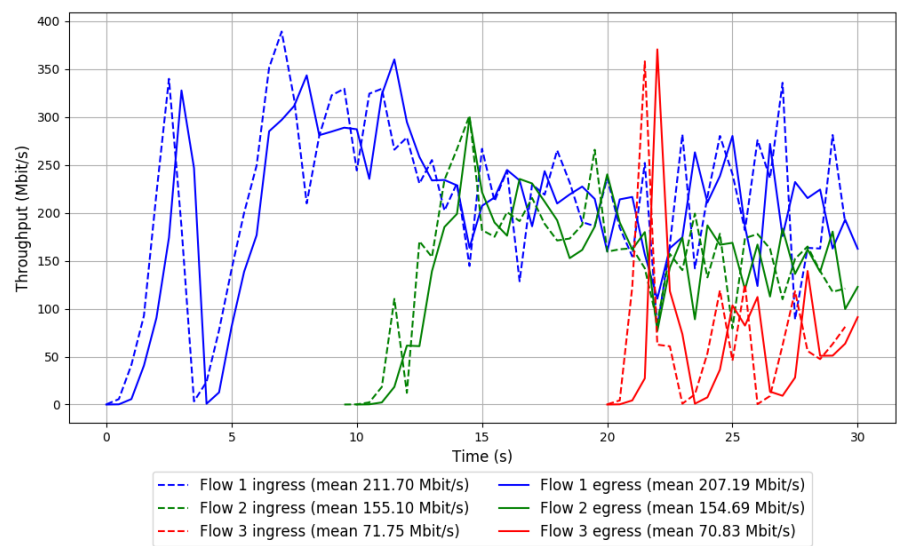


Run 5: Statistics of Verus

Start at: 2018-05-24 06:31:35
End at: 2018-05-24 06:32:05
Local clock offset: -0.083 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-24 10:57:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 333.17 Mbit/s
95th percentile per-packet one-way delay: 243.378 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 207.19 Mbit/s
95th percentile per-packet one-way delay: 260.043 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 154.69 Mbit/s
95th percentile per-packet one-way delay: 188.850 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 70.83 Mbit/s
95th percentile per-packet one-way delay: 273.209 ms
Loss rate: 1.23%

Run 5: Report of Verus — Data Link

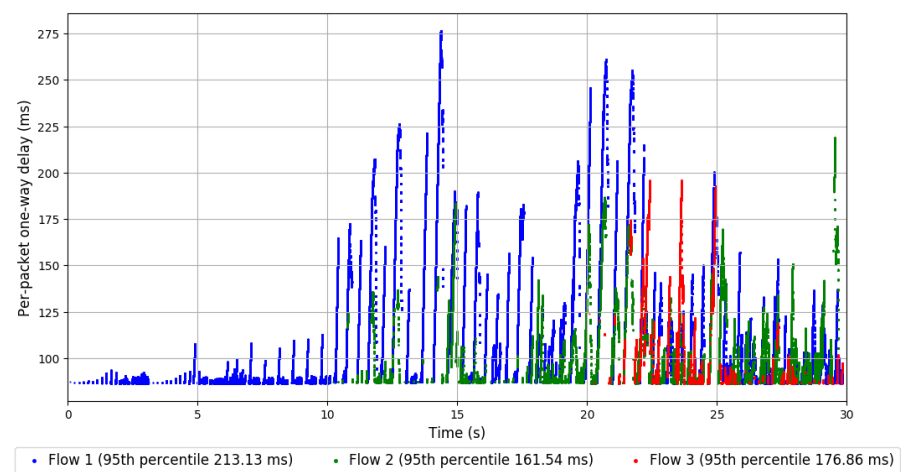
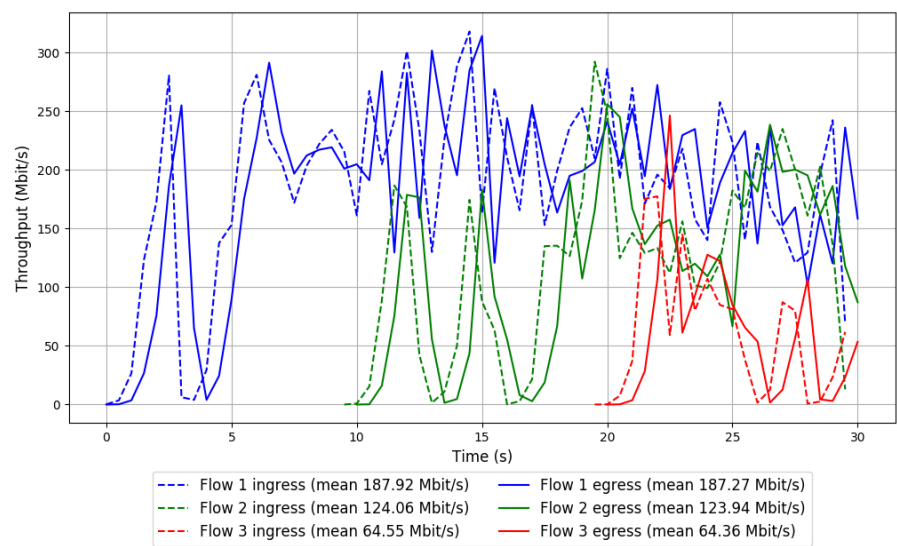


Run 6: Statistics of Verus

Start at: 2018-05-24 06:55:39
End at: 2018-05-24 06:56:09
Local clock offset: -0.53 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-24 10:57:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 196.454 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 187.27 Mbit/s
95th percentile per-packet one-way delay: 213.134 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 123.94 Mbit/s
95th percentile per-packet one-way delay: 161.539 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.36 Mbit/s
95th percentile per-packet one-way delay: 176.864 ms
Loss rate: 0.67%

Run 6: Report of Verus — Data Link

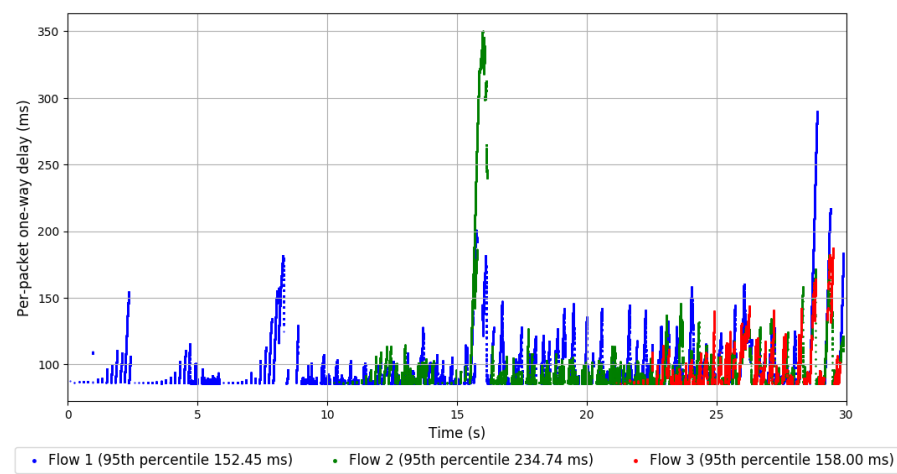
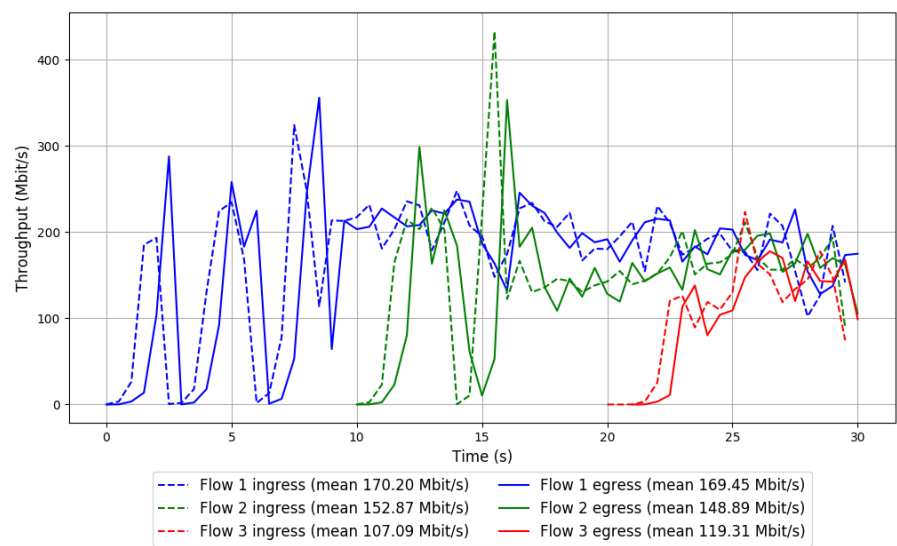


Run 7: Statistics of Verus

Start at: 2018-05-24 07:19:47
End at: 2018-05-24 07:20:17
Local clock offset: -0.035 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-24 10:58:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 302.89 Mbit/s
95th percentile per-packet one-way delay: 160.098 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 169.45 Mbit/s
95th percentile per-packet one-way delay: 152.454 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 148.89 Mbit/s
95th percentile per-packet one-way delay: 234.743 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 119.31 Mbit/s
95th percentile per-packet one-way delay: 157.998 ms
Loss rate: 0.00%

Run 7: Report of Verus — Data Link

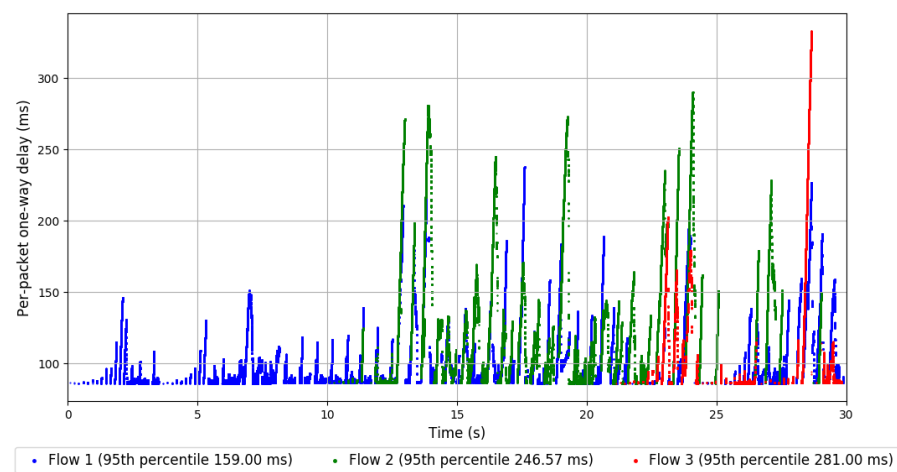
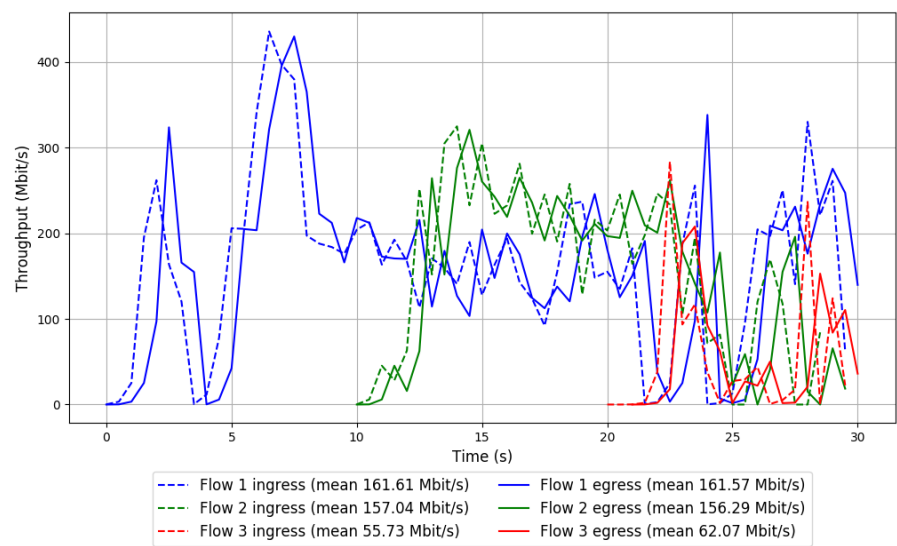


Run 8: Statistics of Verus

Start at: 2018-05-24 07:44:02
End at: 2018-05-24 07:44:32
Local clock offset: -0.074 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-24 10:58:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.04 Mbit/s
95th percentile per-packet one-way delay: 201.276 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 161.57 Mbit/s
95th percentile per-packet one-way delay: 158.995 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 156.29 Mbit/s
95th percentile per-packet one-way delay: 246.573 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 62.07 Mbit/s
95th percentile per-packet one-way delay: 280.998 ms
Loss rate: 0.10%

Run 8: Report of Verus — Data Link

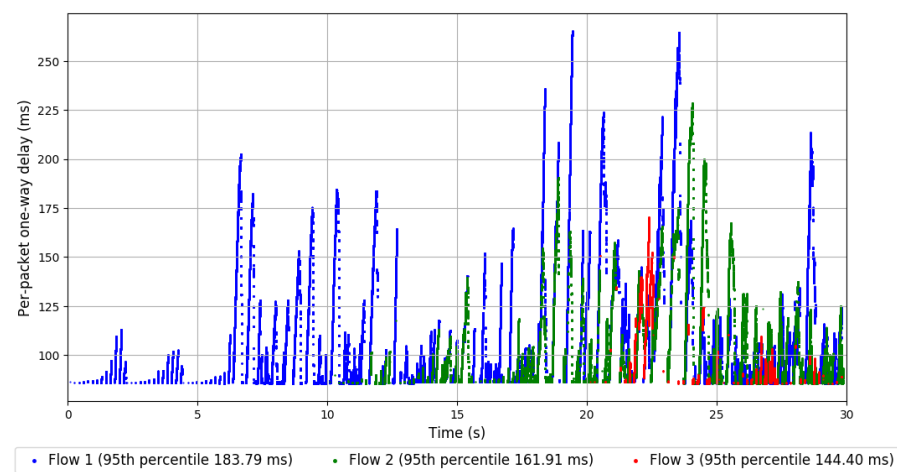
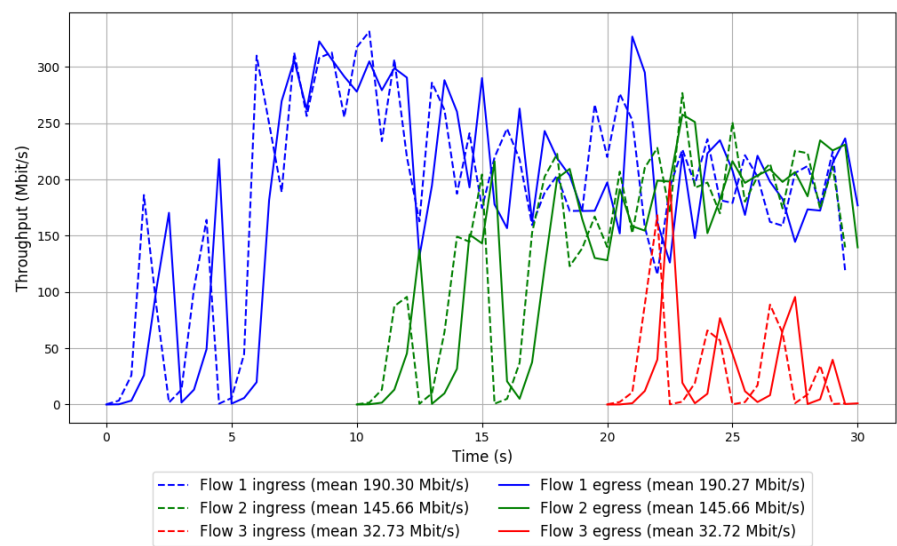


Run 9: Statistics of Verus

Start at: 2018-05-24 08:08:06
End at: 2018-05-24 08:08:36
Local clock offset: 0.228 ms
Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-05-24 10:58:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.30 Mbit/s
95th percentile per-packet one-way delay: 180.154 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.27 Mbit/s
95th percentile per-packet one-way delay: 183.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.66 Mbit/s
95th percentile per-packet one-way delay: 161.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.72 Mbit/s
95th percentile per-packet one-way delay: 144.399 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-24 08:32:15

End at: 2018-05-24 08:32:45

Local clock offset: -0.046 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-05-24 10:58:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.78 Mbit/s

95th percentile per-packet one-way delay: 149.594 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 135.43 Mbit/s

95th percentile per-packet one-way delay: 143.636 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 136.670 ms

Loss rate: 0.00%

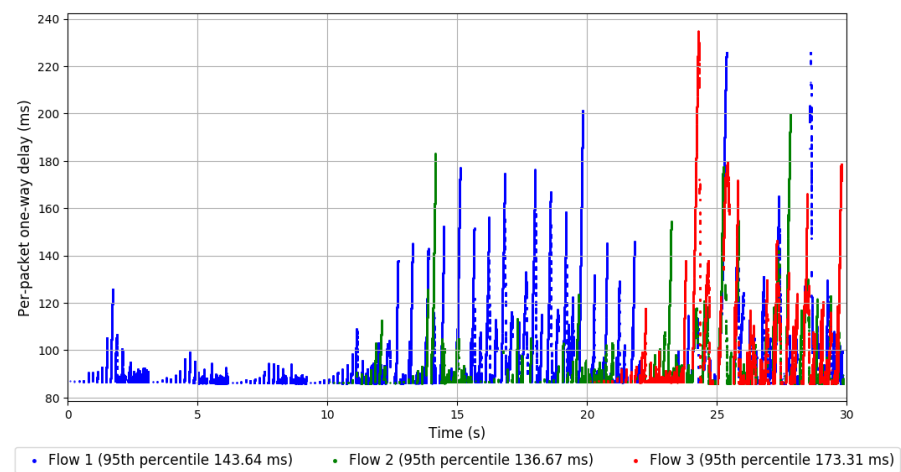
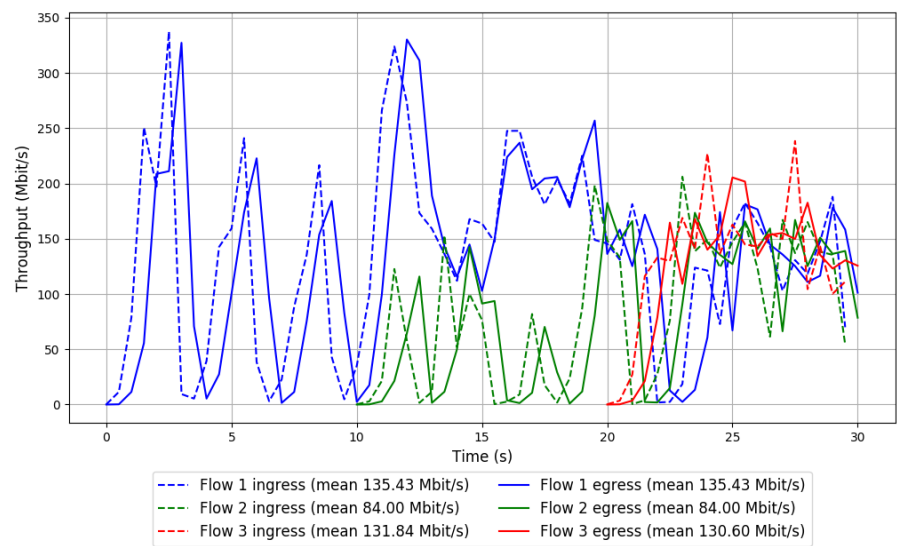
-- Flow 3:

Average throughput: 130.60 Mbit/s

95th percentile per-packet one-way delay: 173.315 ms

Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-24 04:58:32

End at: 2018-05-24 04:59:02

Local clock offset: -0.005 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-05-24 11:04:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 527.33 Mbit/s

95th percentile per-packet one-way delay: 257.485 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 311.17 Mbit/s

95th percentile per-packet one-way delay: 240.124 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 249.68 Mbit/s

95th percentile per-packet one-way delay: 270.214 ms

Loss rate: 0.75%

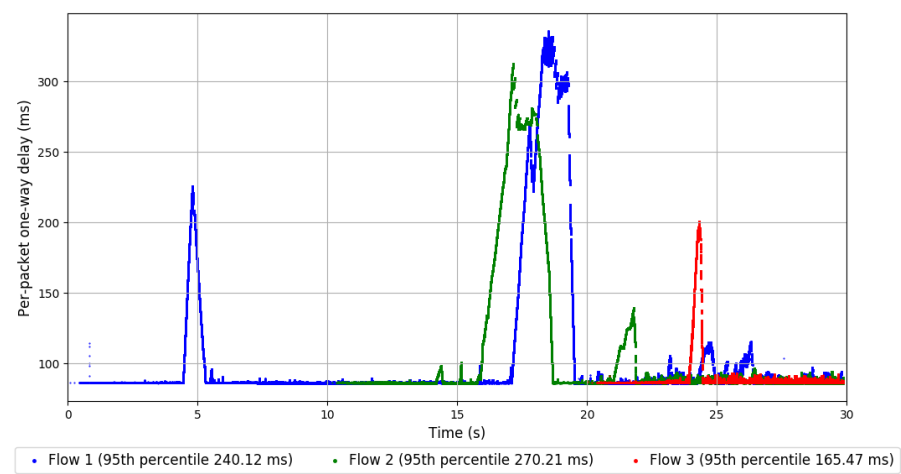
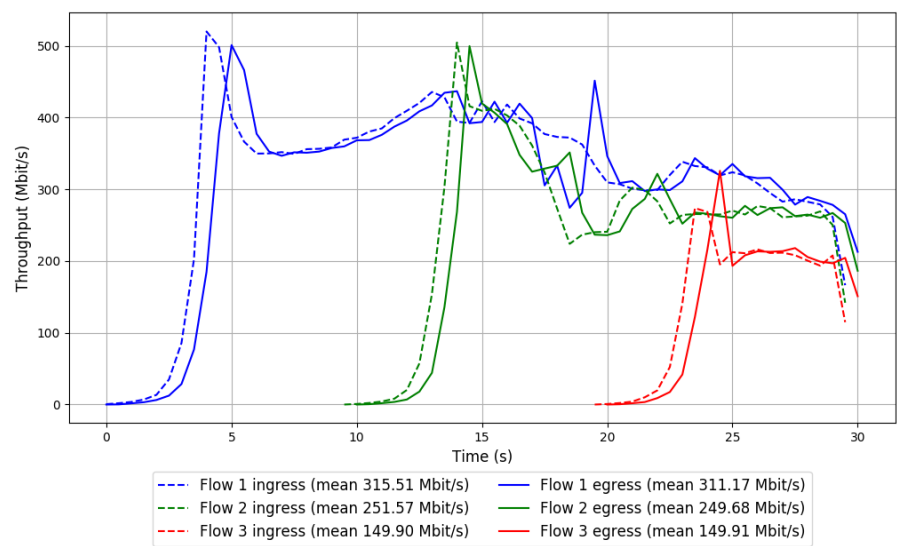
-- Flow 3:

Average throughput: 149.91 Mbit/s

95th percentile per-packet one-way delay: 165.468 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link

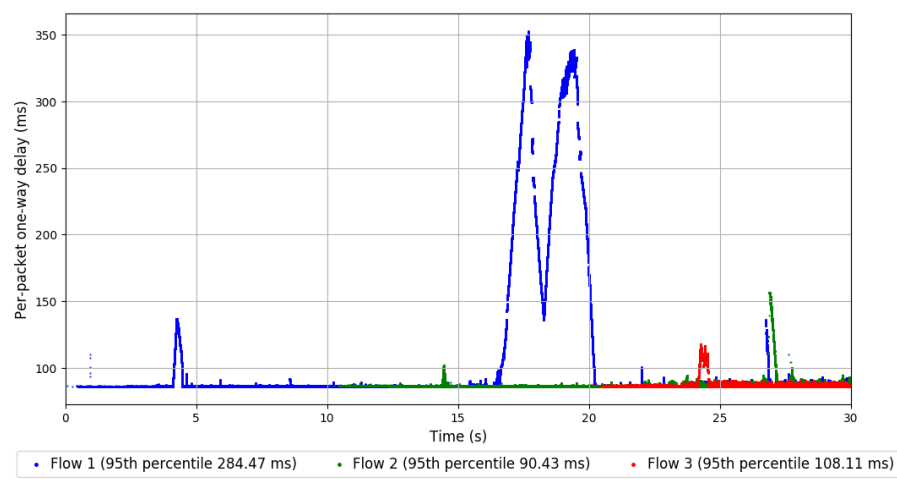
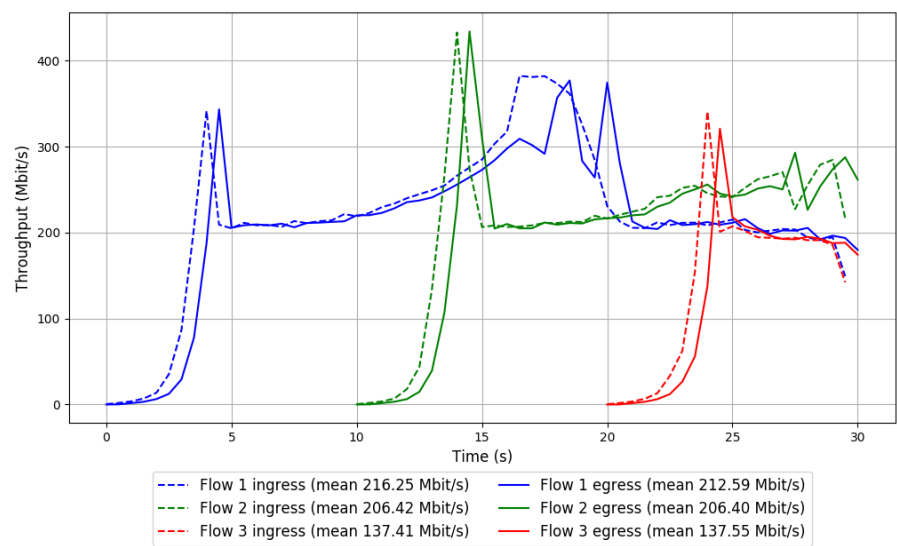


Run 2: Statistics of PCC-Vivace

Start at: 2018-05-24 05:22:47
End at: 2018-05-24 05:23:17
Local clock offset: 0.081 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-05-24 11:04:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 395.23 Mbit/s
95th percentile per-packet one-way delay: 229.654 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 212.59 Mbit/s
95th percentile per-packet one-way delay: 284.469 ms
Loss rate: 1.70%
-- Flow 2:
Average throughput: 206.40 Mbit/s
95th percentile per-packet one-way delay: 90.429 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 137.55 Mbit/s
95th percentile per-packet one-way delay: 108.108 ms
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

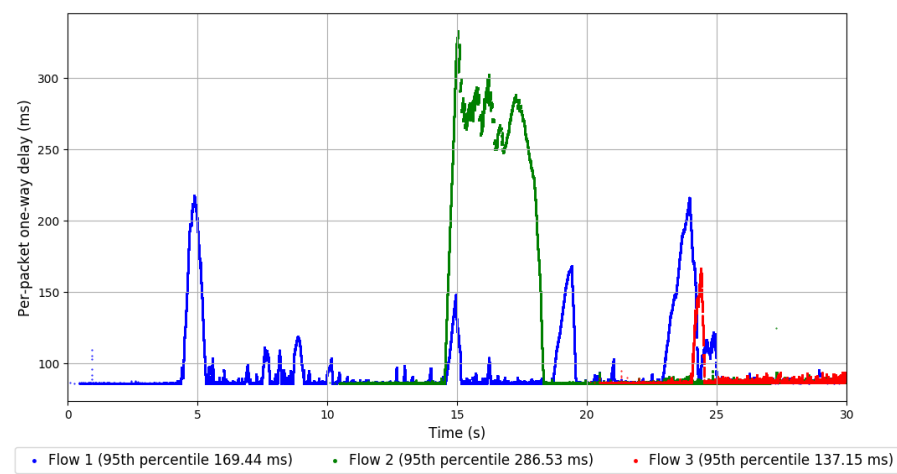
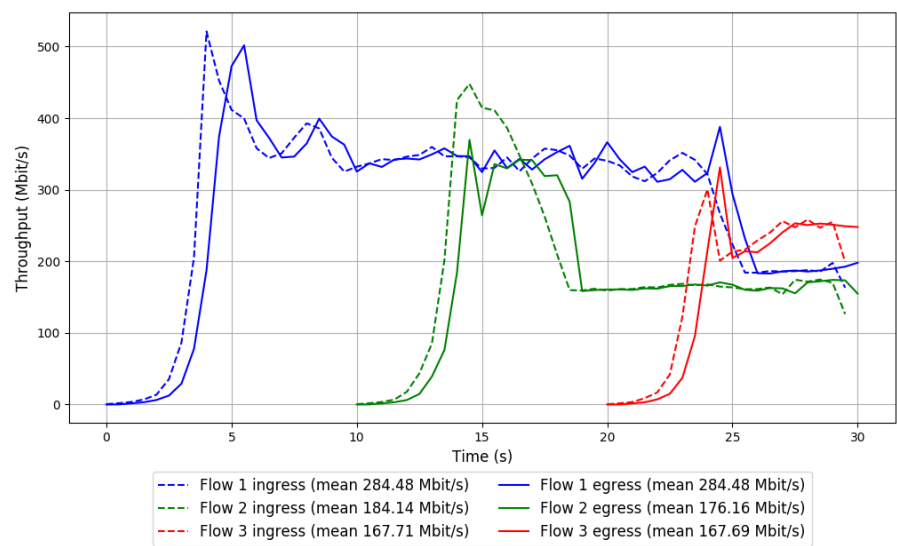


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-24 05:46:43
End at: 2018-05-24 05:47:13
Local clock offset: 0.054 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-24 11:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 456.94 Mbit/s
95th percentile per-packet one-way delay: 265.216 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 284.48 Mbit/s
95th percentile per-packet one-way delay: 169.443 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.16 Mbit/s
95th percentile per-packet one-way delay: 286.529 ms
Loss rate: 4.33%
-- Flow 3:
Average throughput: 167.69 Mbit/s
95th percentile per-packet one-way delay: 137.152 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

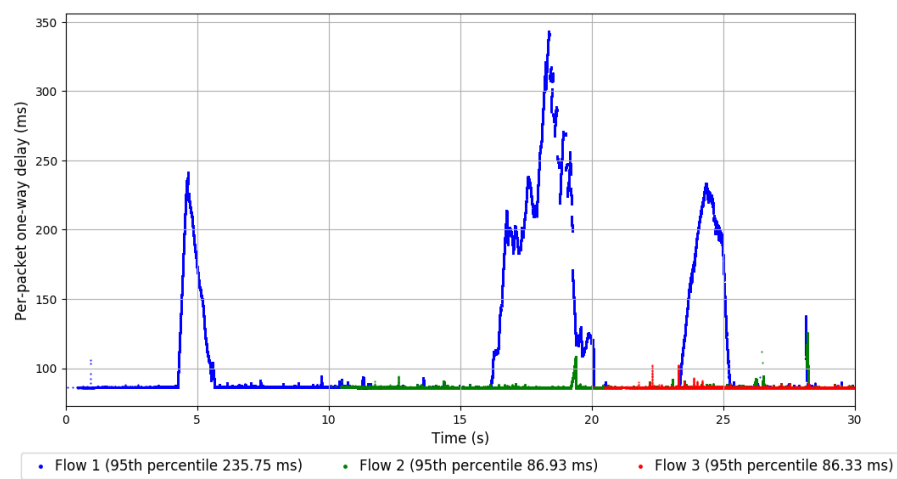
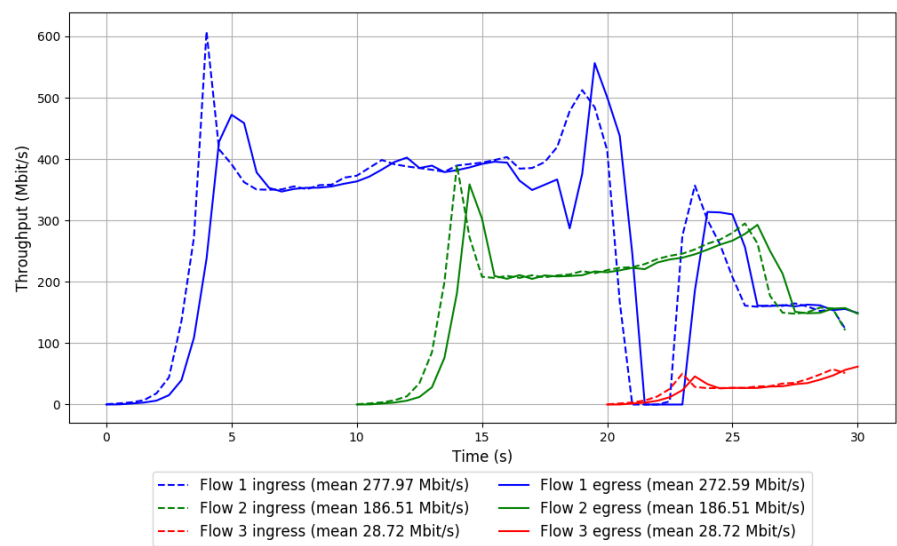


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-24 06:10:59
End at: 2018-05-24 06:11:29
Local clock offset: 0.194 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-05-24 11:05:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 406.10 Mbit/s
95th percentile per-packet one-way delay: 225.013 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 272.59 Mbit/s
95th percentile per-packet one-way delay: 235.751 ms
Loss rate: 1.93%
-- Flow 2:
Average throughput: 186.51 Mbit/s
95th percentile per-packet one-way delay: 86.926 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.72 Mbit/s
95th percentile per-packet one-way delay: 86.331 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

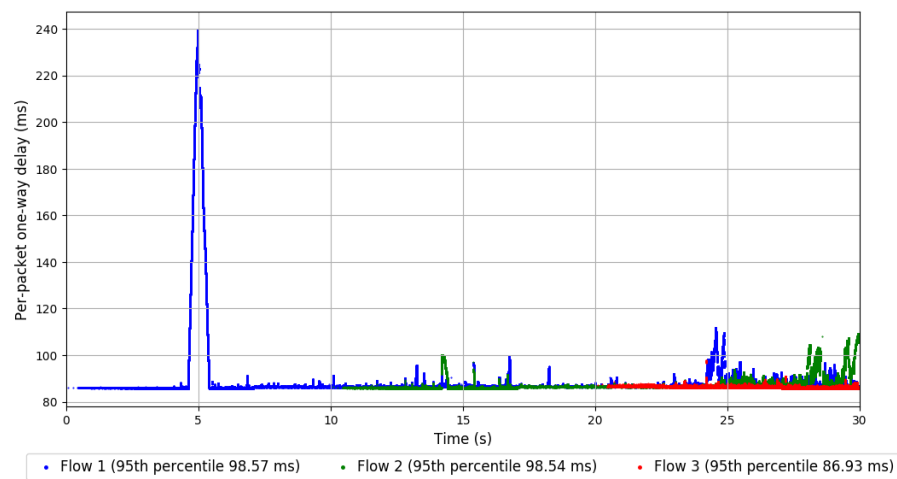
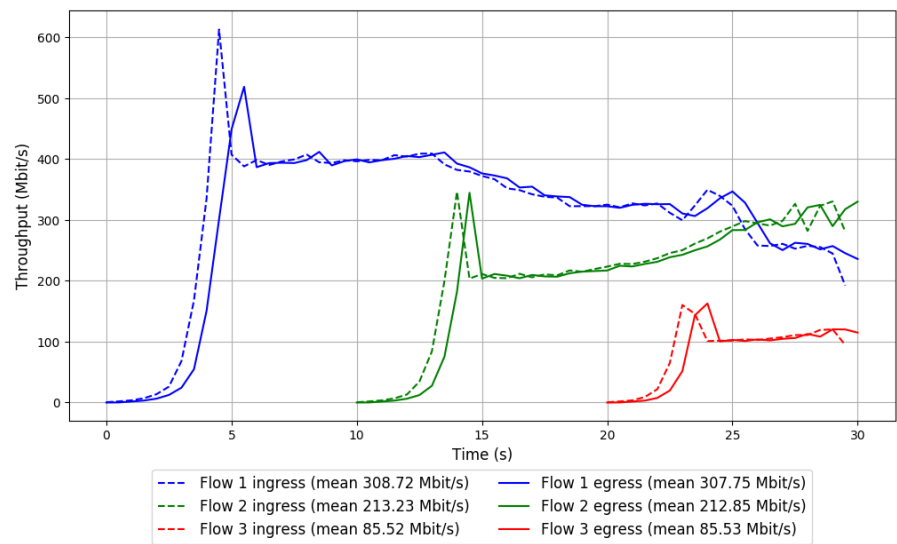


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-24 06:35:03
End at: 2018-05-24 06:35:33
Local clock offset: 0.162 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-05-24 11:06:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.53 Mbit/s
95th percentile per-packet one-way delay: 97.497 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 307.75 Mbit/s
95th percentile per-packet one-way delay: 98.566 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 212.85 Mbit/s
95th percentile per-packet one-way delay: 98.537 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 86.926 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-24 06:59:07

End at: 2018-05-24 06:59:37

Local clock offset: -0.322 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 11:06:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.79 Mbit/s

95th percentile per-packet one-way delay: 269.412 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 282.48 Mbit/s

95th percentile per-packet one-way delay: 288.330 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 182.09 Mbit/s

95th percentile per-packet one-way delay: 88.092 ms

Loss rate: 0.00%

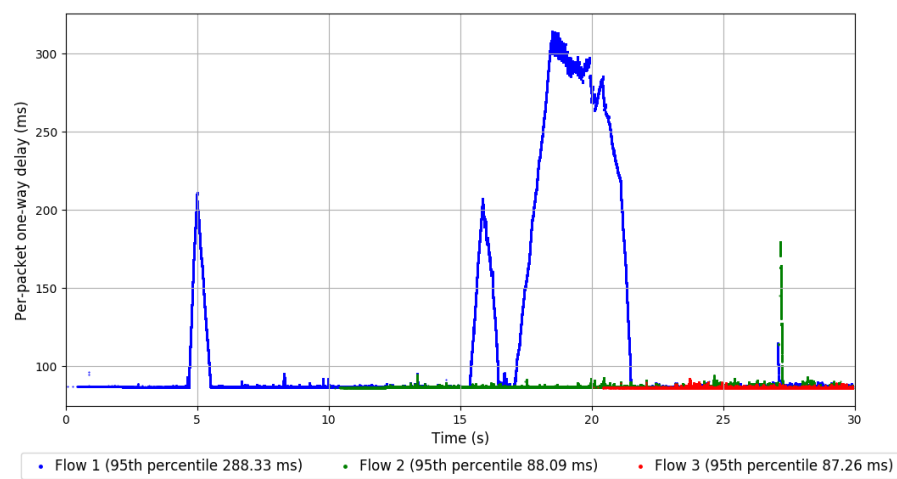
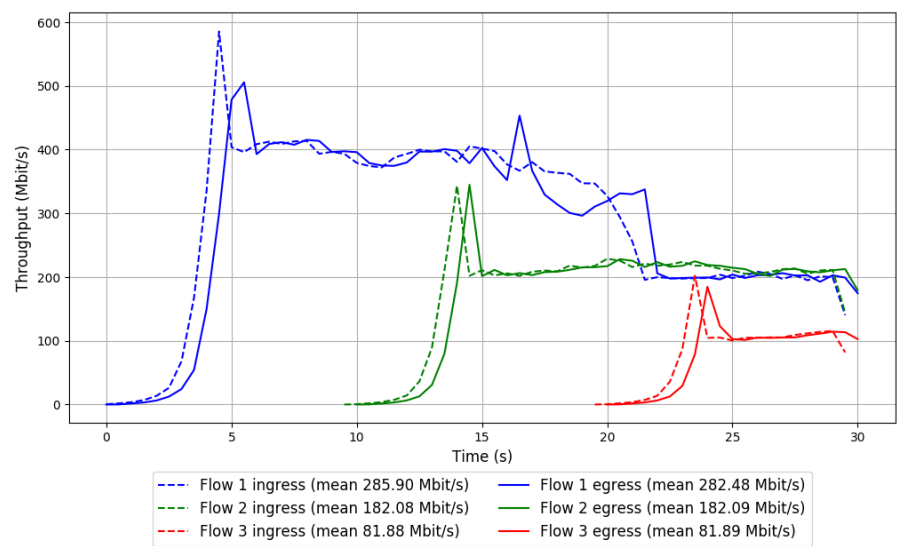
-- Flow 3:

Average throughput: 81.89 Mbit/s

95th percentile per-packet one-way delay: 87.261 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

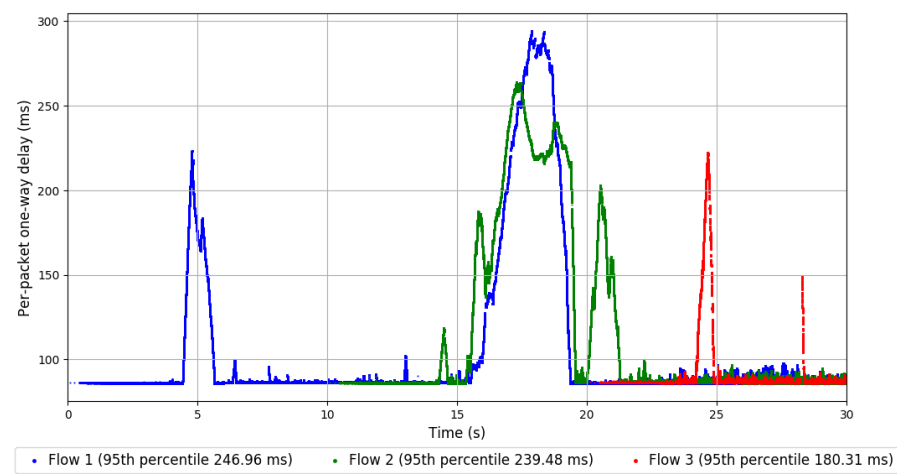
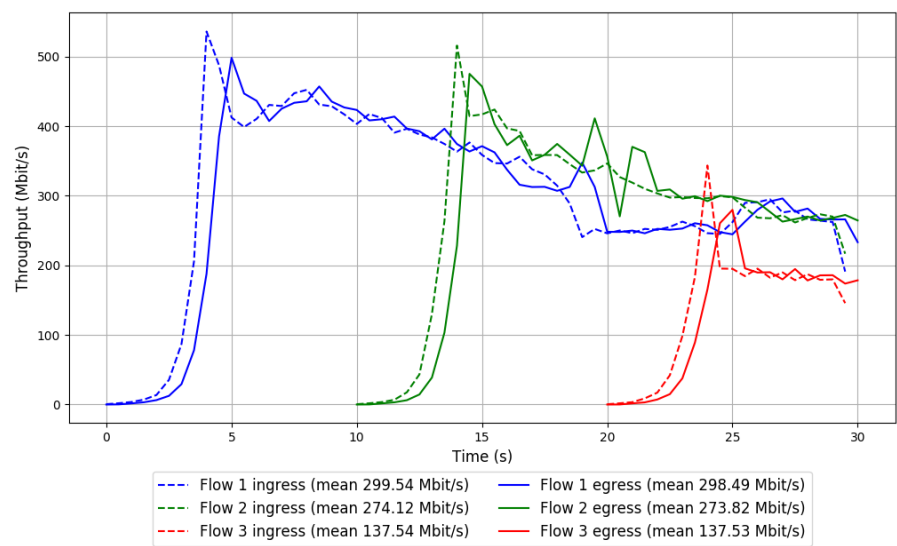


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-24 07:23:14
End at: 2018-05-24 07:23:44
Local clock offset: -0.106 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-24 11:07:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.89 Mbit/s
95th percentile per-packet one-way delay: 238.011 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 298.49 Mbit/s
95th percentile per-packet one-way delay: 246.955 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 273.82 Mbit/s
95th percentile per-packet one-way delay: 239.483 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 137.53 Mbit/s
95th percentile per-packet one-way delay: 180.314 ms
Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link

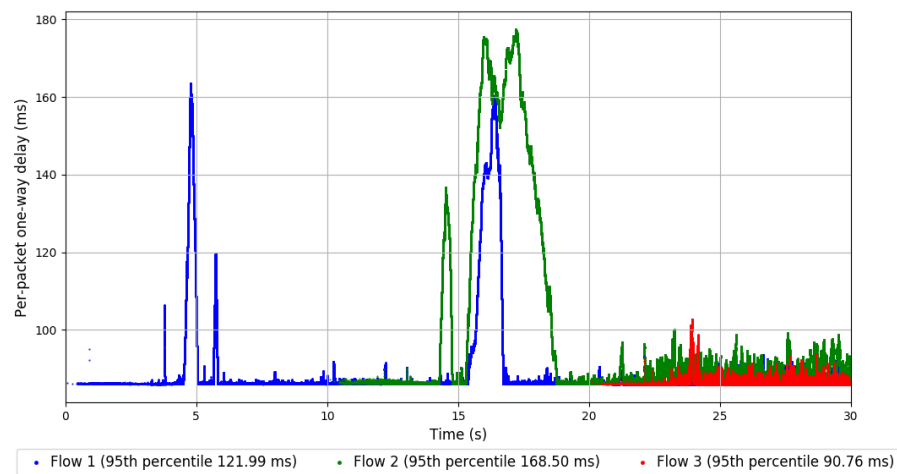
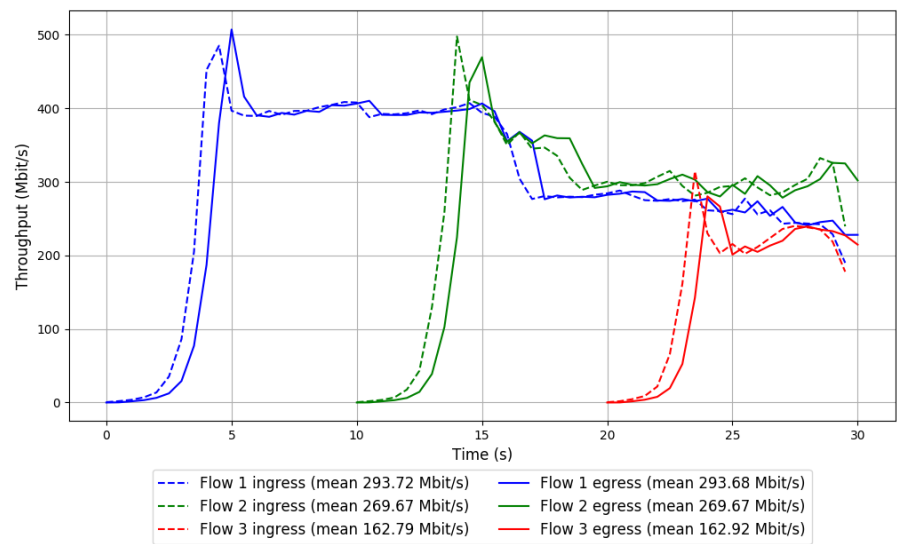


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-24 07:47:19
End at: 2018-05-24 07:47:49
Local clock offset: -0.14 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 11:07:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 526.67 Mbit/s
95th percentile per-packet one-way delay: 150.922 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 293.68 Mbit/s
95th percentile per-packet one-way delay: 121.992 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 269.67 Mbit/s
95th percentile per-packet one-way delay: 168.498 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 162.92 Mbit/s
95th percentile per-packet one-way delay: 90.764 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-24 08:11:36

End at: 2018-05-24 08:12:06

Local clock offset: -0.0 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-05-24 11:08:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 480.69 Mbit/s

95th percentile per-packet one-way delay: 244.401 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 302.81 Mbit/s

95th percentile per-packet one-way delay: 260.509 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 193.36 Mbit/s

95th percentile per-packet one-way delay: 88.362 ms

Loss rate: 0.02%

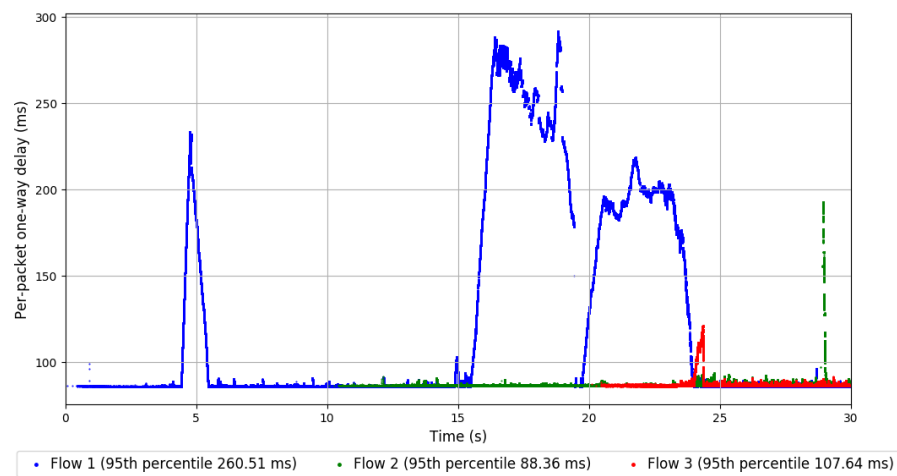
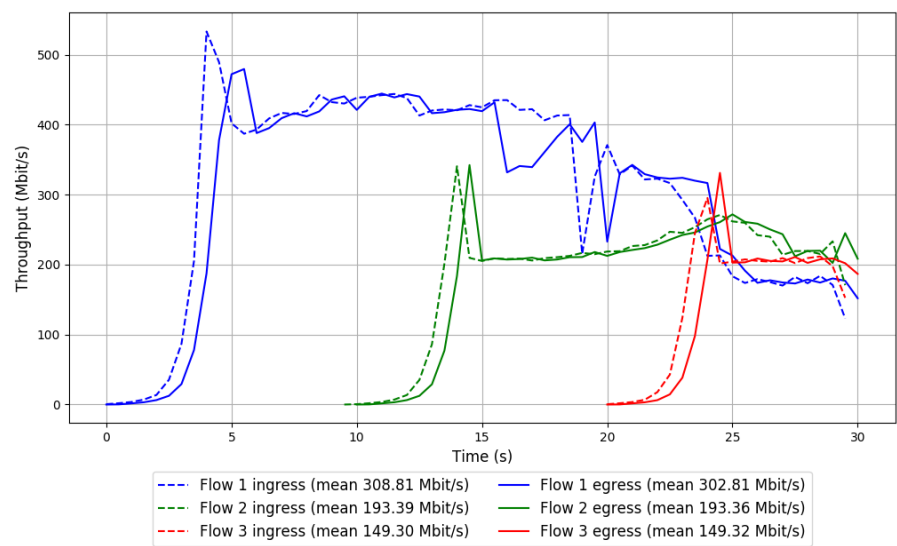
-- Flow 3:

Average throughput: 149.32 Mbit/s

95th percentile per-packet one-way delay: 107.644 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-24 08:35:36

End at: 2018-05-24 08:36:06

Local clock offset: -0.233 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-05-24 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 496.56 Mbit/s

95th percentile per-packet one-way delay: 117.500 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 320.96 Mbit/s

95th percentile per-packet one-way delay: 120.106 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 190.22 Mbit/s

95th percentile per-packet one-way delay: 94.244 ms

Loss rate: 0.00%

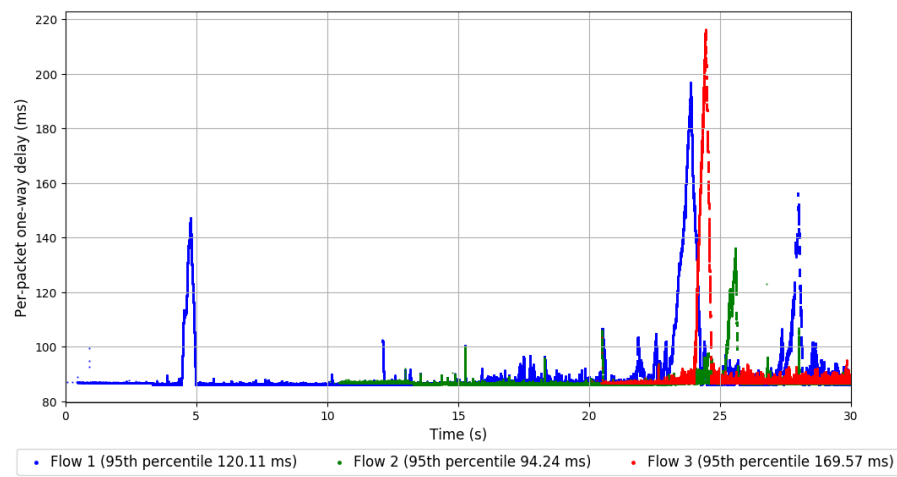
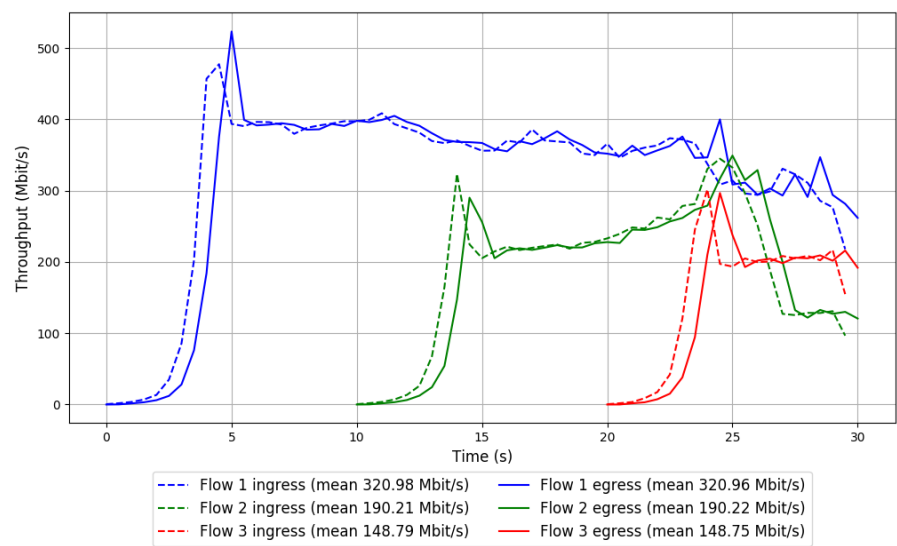
-- Flow 3:

Average throughput: 148.75 Mbit/s

95th percentile per-packet one-way delay: 169.569 ms

Loss rate: 0.04%

Run 10: Report of PCC-Vivace — Data Link

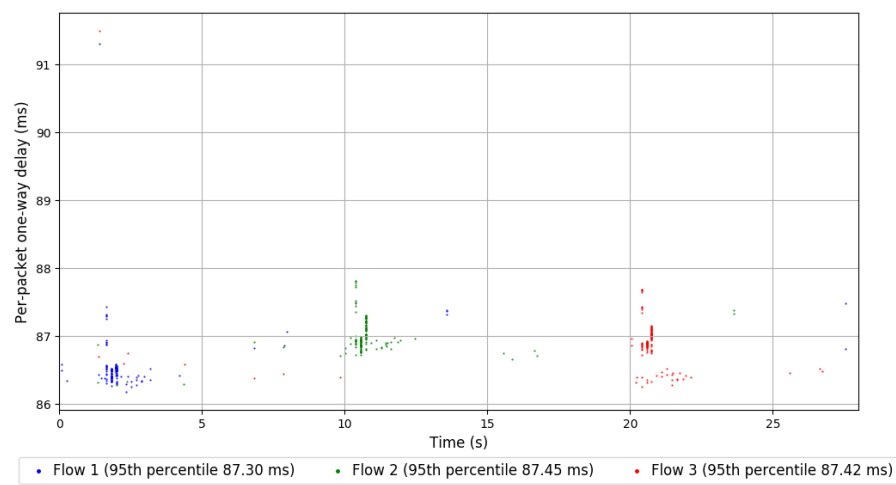
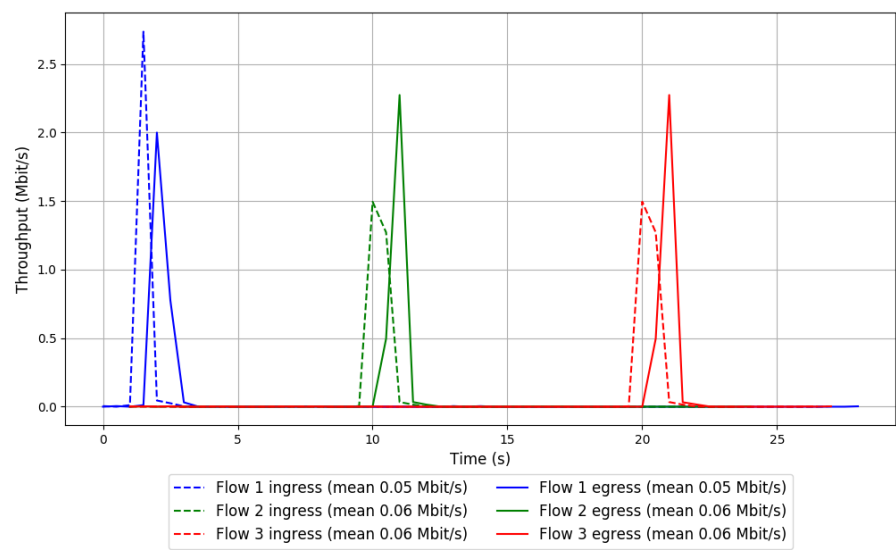


Run 1: Statistics of WebRTC media

Start at: 2018-05-24 04:54:04
End at: 2018-05-24 04:54:34
Local clock offset: -0.173 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 87.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 87.446 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 87.415 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

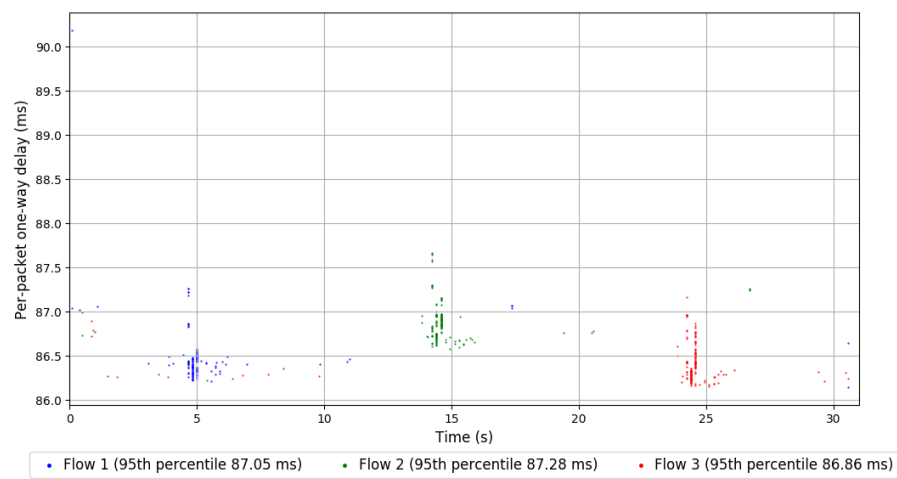
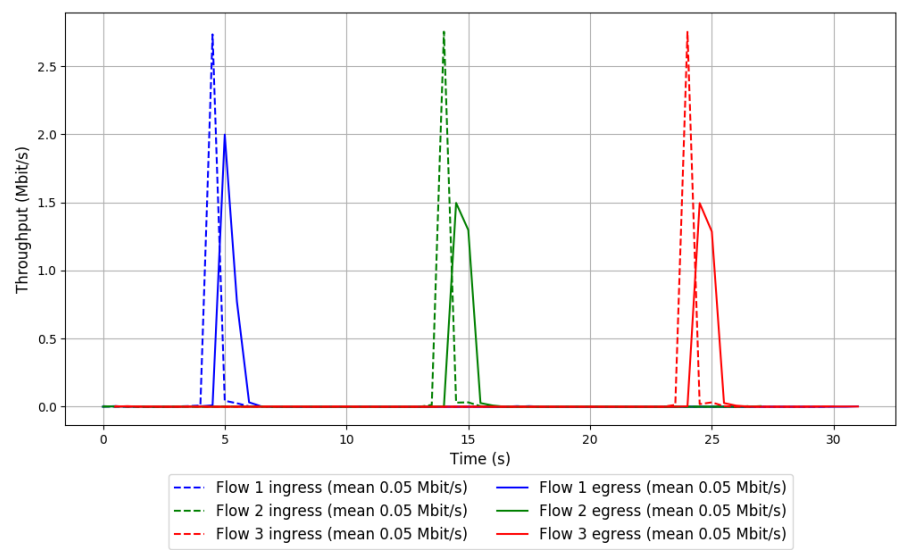


Run 2: Statistics of WebRTC media

Start at: 2018-05-24 05:18:12
End at: 2018-05-24 05:18:42
Local clock offset: -0.061 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.054 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.283 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.865 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-24 05:42:11

End at: 2018-05-24 05:42:41

Local clock offset: 0.179 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-24 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 87.271 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.362 ms

Loss rate: 0.00%

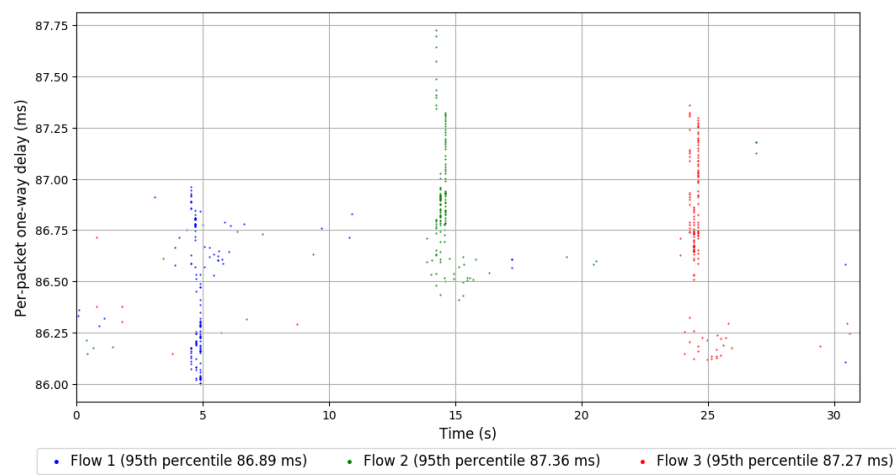
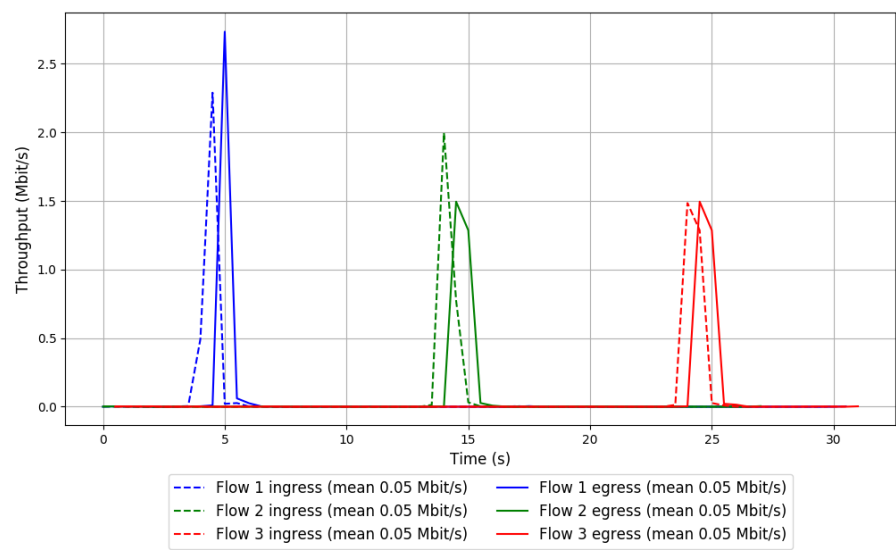
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.268 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-24 06:06:19

End at: 2018-05-24 06:06:49

Local clock offset: 0.15 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-24 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 87.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.308 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.001 ms

Loss rate: 0.00%

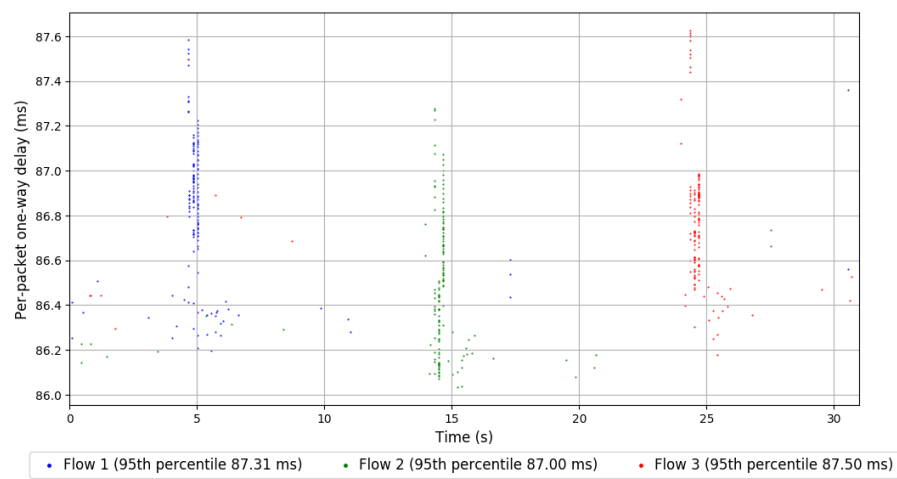
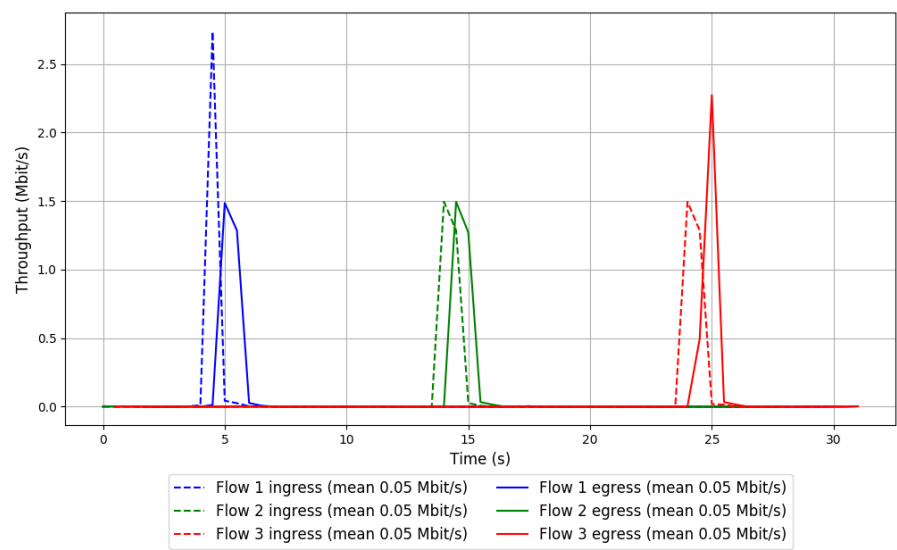
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.503 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

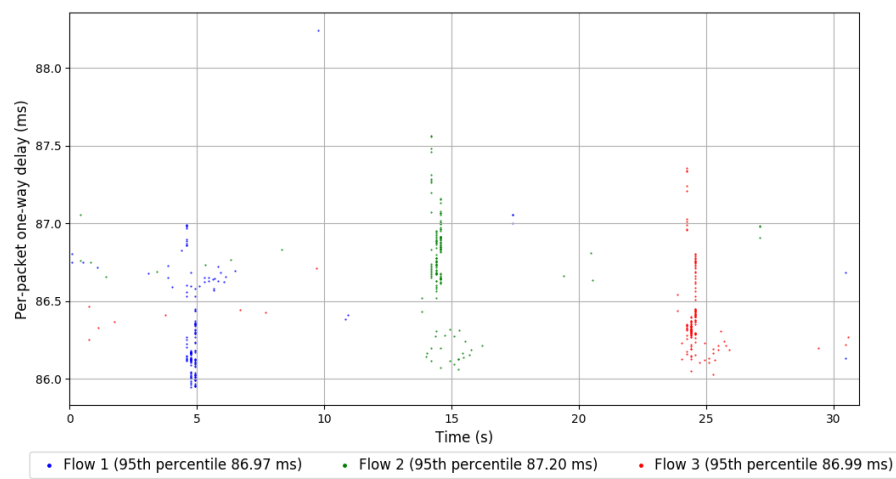
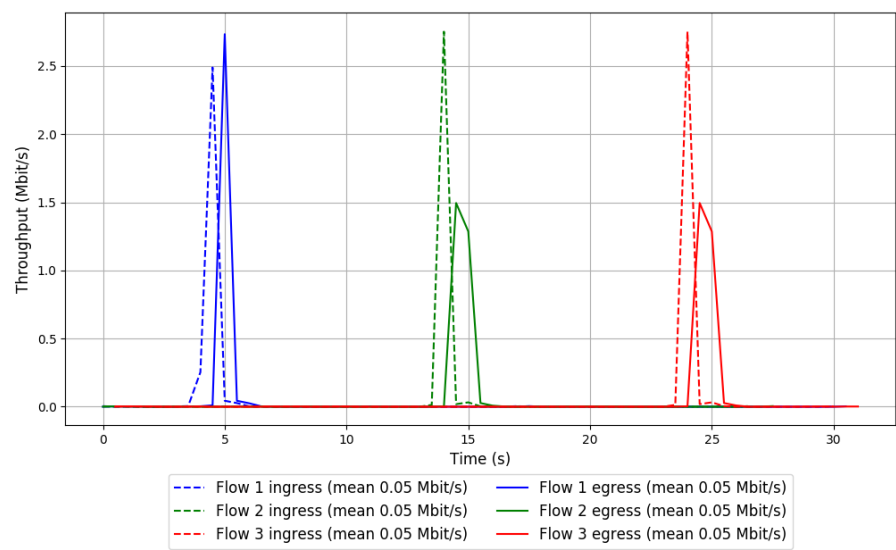


Run 5: Statistics of WebRTC media

Start at: 2018-05-24 06:30:24
End at: 2018-05-24 06:30:54
Local clock offset: 0.012 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.965 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.196 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.990 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

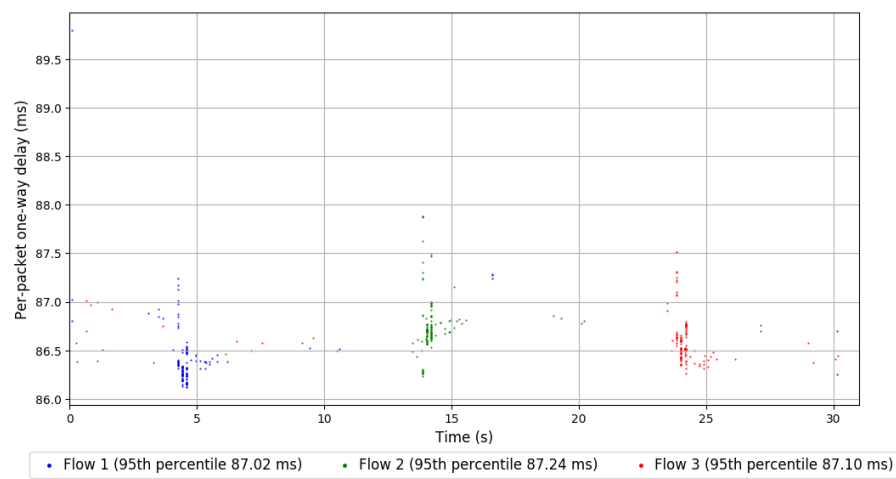
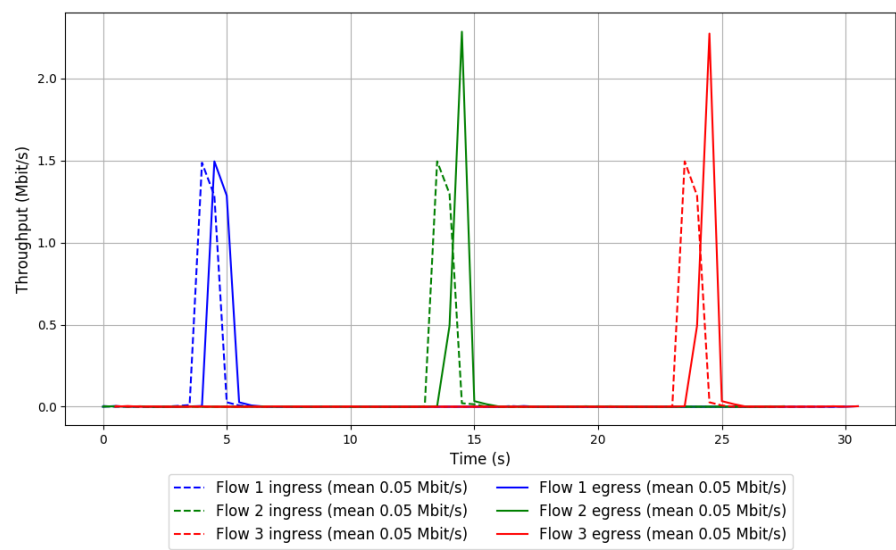


Run 6: Statistics of WebRTC media

Start at: 2018-05-24 06:54:29
End at: 2018-05-24 06:54:59
Local clock offset: -0.178 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.018 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.242 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.098 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

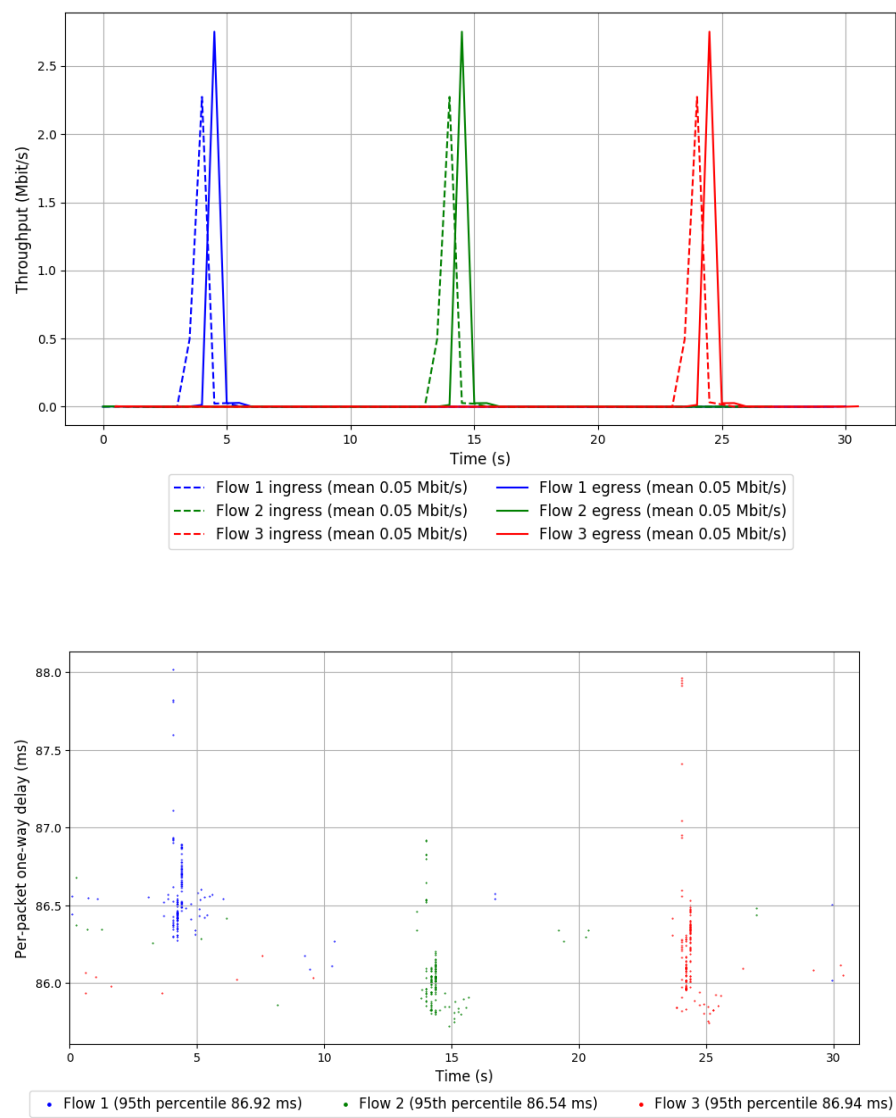


Run 7: Statistics of WebRTC media

Start at: 2018-05-24 07:18:36
End at: 2018-05-24 07:19:07
Local clock offset: 0.16 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 86.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.536 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

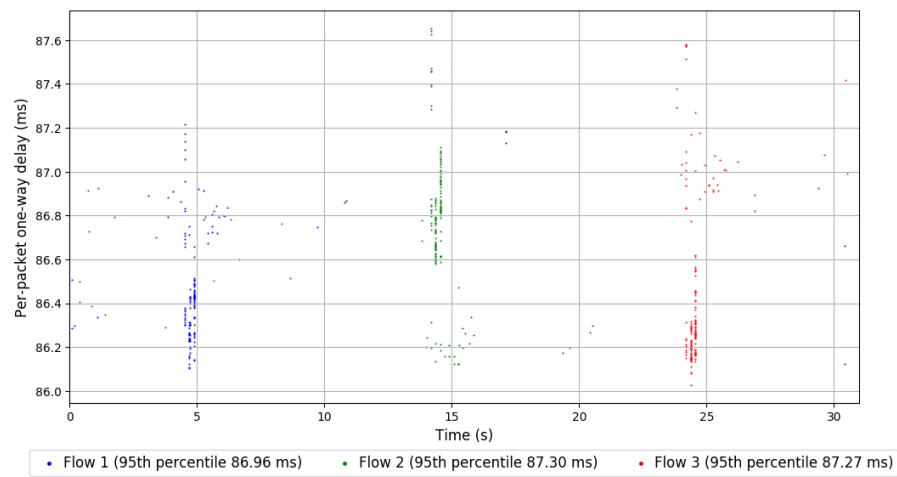
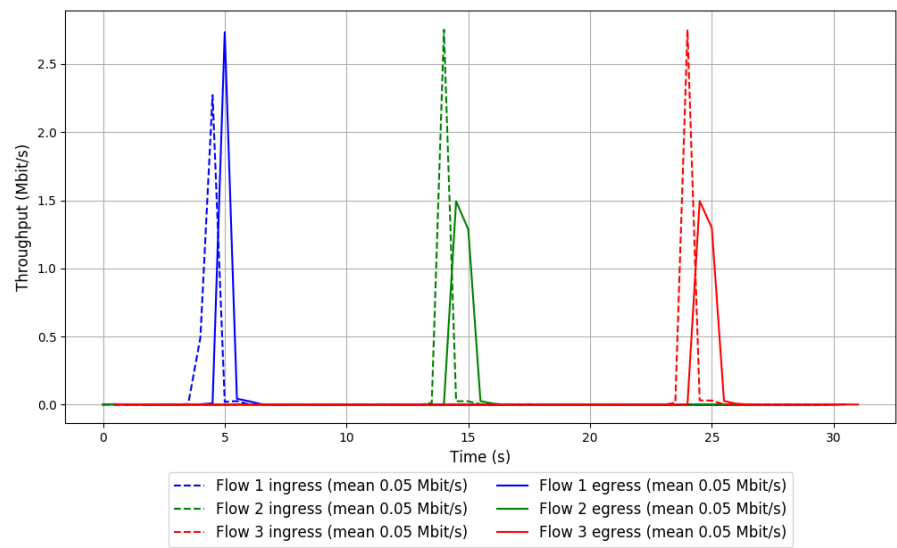


Run 8: Statistics of WebRTC media

Start at: 2018-05-24 07:42:51
End at: 2018-05-24 07:43:21
Local clock offset: -0.084 ms
Remote clock offset: -0.062 ms

Below is generated by plot.py at 2018-05-24 11:08:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.299 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 87.269 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-05-24 08:06:55

End at: 2018-05-24 08:07:25

Local clock offset: 0.27 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-05-24 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 86.941 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.089 ms

Loss rate: 0.00%

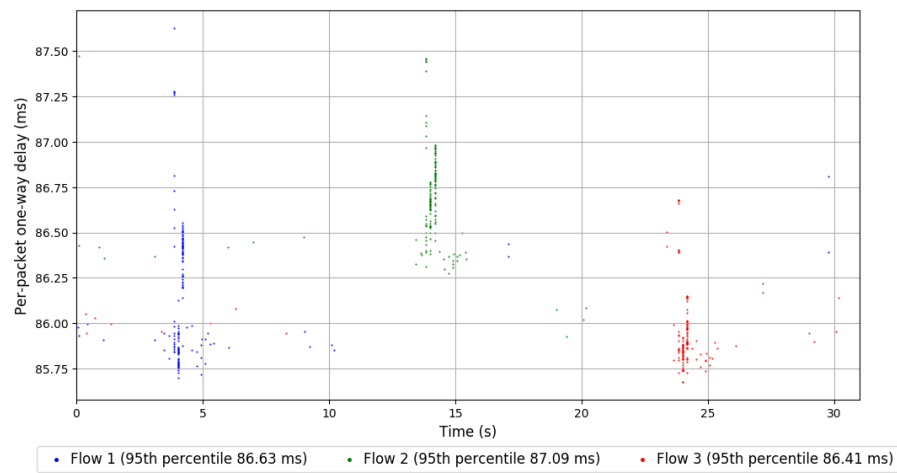
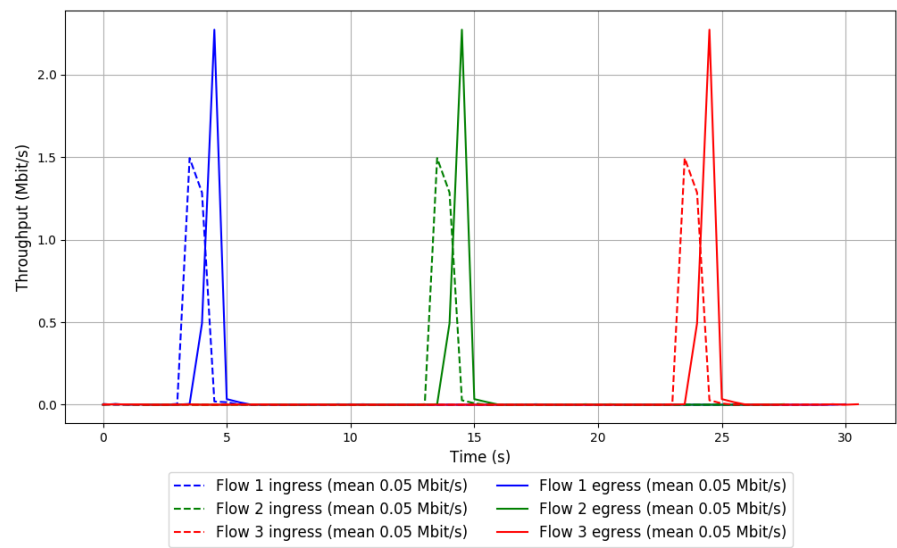
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.406 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-24 08:31:04

End at: 2018-05-24 08:31:34

Local clock offset: -0.09 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-05-24 11:08:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 87.070 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.909 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 86.786 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 87.278 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

