

Pantheon Report

Generated at 2018-05-31 16:45:14 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

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

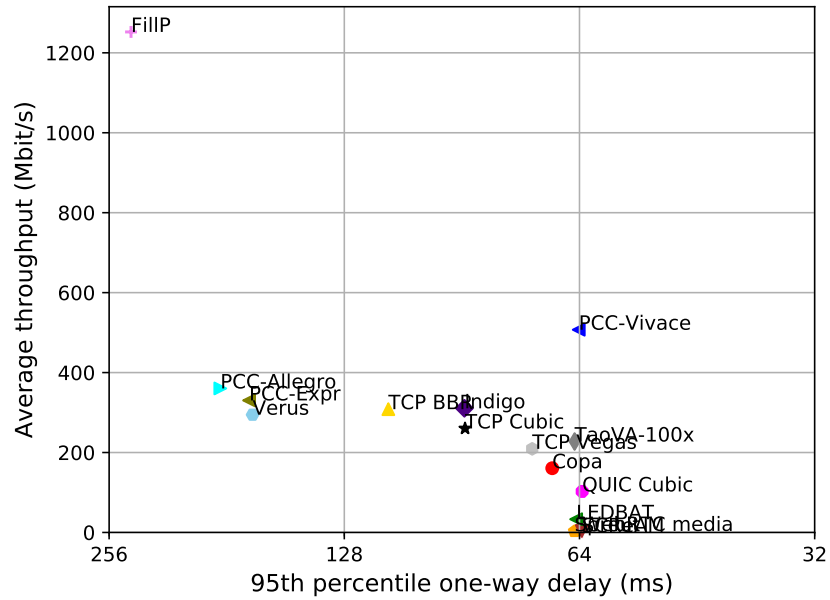
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

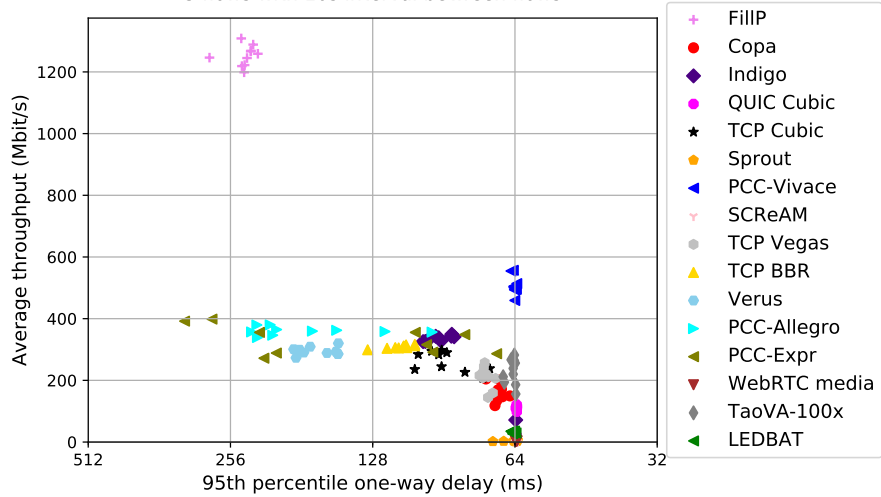
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Iowa to GCE Tokyo, 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	162.23	153.15	133.06	108.66	112.26	117.83	0.09	0.14	0.46
Copa	10	99.68	66.38	57.30	68.12	70.48	71.45	0.00	0.00	0.00
TCP Cubic	10	154.98	114.73	87.09	88.55	88.96	92.12	0.04	0.12	0.24
FillP	10	639.84	631.27	578.80	241.88	241.64	185.52	0.44	0.53	1.02
Indigo	10	177.39	152.41	99.34	86.34	91.34	97.86	0.05	0.06	0.11
LEDBAT	10	20.94	14.67	7.30	64.68	64.56	64.41	0.01	0.00	0.00
PCC-Allegro	10	317.39	48.23	33.06	183.31	186.75	179.96	0.47	0.52	0.78
PCC-Expr	10	235.58	114.63	56.10	169.34	153.68	157.91	2.57	2.12	4.09
QUIC Cubic	10	55.18	46.16	51.43	63.24	63.18	63.67	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	63.56	63.10	63.19	0.00	0.00	0.03
Sprout	10	1.18	1.50	2.23	64.71	65.01	64.66	0.00	0.00	0.00
TaoVA-100x	10	141.03	90.12	82.47	63.96	66.33	68.52	0.00	0.00	0.00
TCP Vegas	10	113.02	107.77	73.65	72.87	73.81	72.68	0.00	0.00	0.11
Verus	10	182.55	122.36	95.52	152.53	174.68	194.73	0.27	0.47	2.08
PCC-Vivace	10	301.75	240.91	137.00	64.71	64.05	63.33	0.00	0.00	0.00
WebRTC media	10	2.00	1.34	0.51	63.35	63.24	63.70	0.01	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-05-31 11:10:46

End at: 2018-05-31 11:11:16

Local clock offset: -0.531 ms

Remote clock offset: -0.27 ms

Below is generated by plot.py at 2018-05-31 14:57:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 306.24 Mbit/s

95th percentile per-packet one-way delay: 114.679 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 162.16 Mbit/s

95th percentile per-packet one-way delay: 111.415 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 148.01 Mbit/s

95th percentile per-packet one-way delay: 114.946 ms

Loss rate: 0.11%

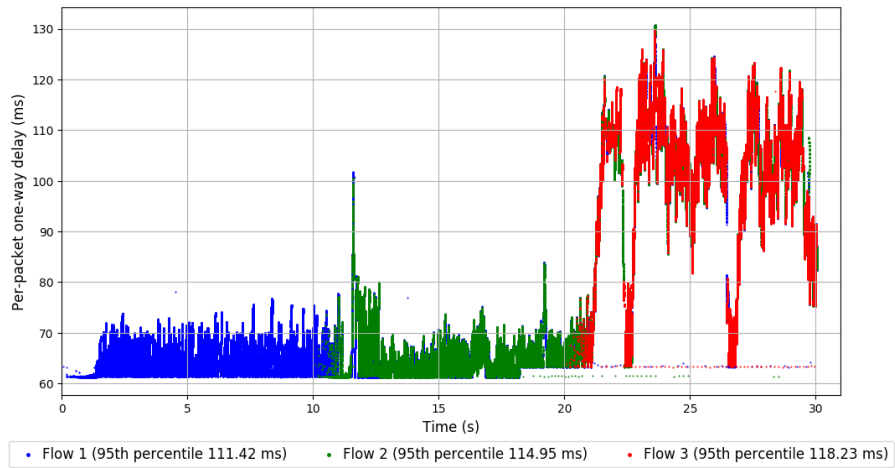
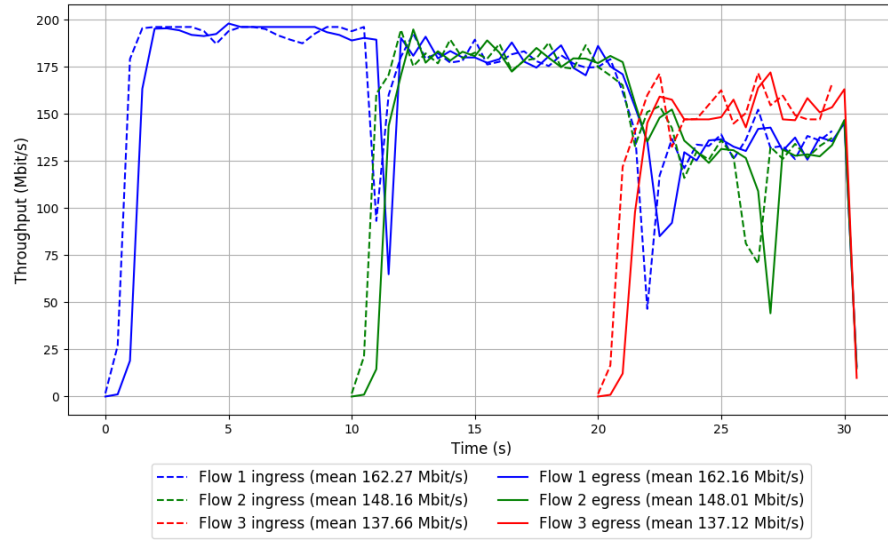
-- Flow 3:

Average throughput: 137.12 Mbit/s

95th percentile per-packet one-way delay: 118.233 ms

Loss rate: 0.69%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-31 11:33:24

End at: 2018-05-31 11:33:54

Local clock offset: -0.106 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-05-31 14:57:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.46 Mbit/s

95th percentile per-packet one-way delay: 110.039 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 160.80 Mbit/s

95th percentile per-packet one-way delay: 105.904 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 154.80 Mbit/s

95th percentile per-packet one-way delay: 108.872 ms

Loss rate: 0.11%

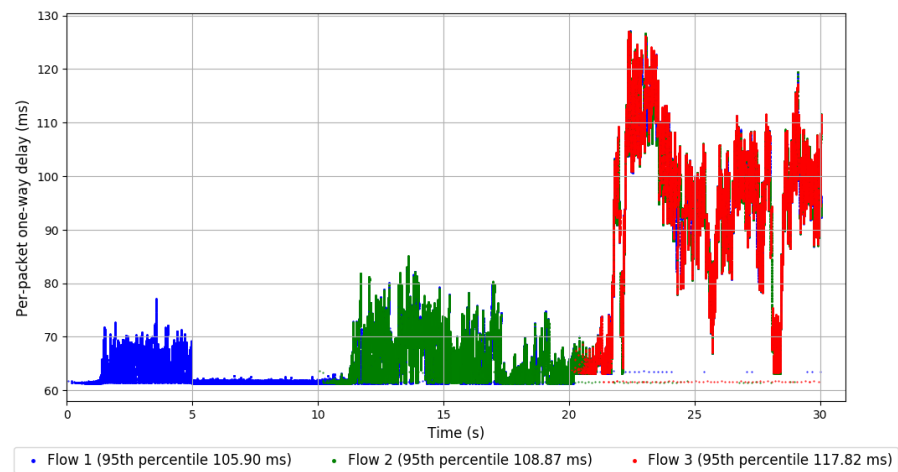
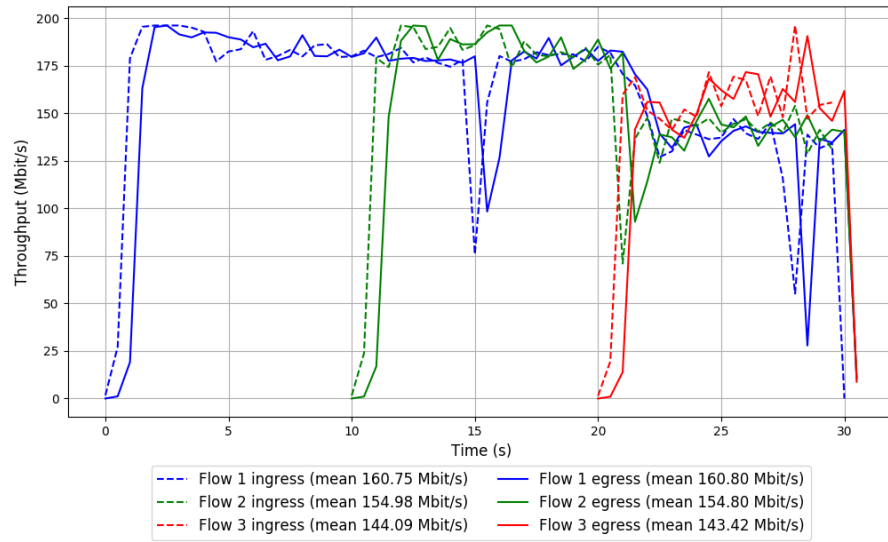
-- Flow 3:

Average throughput: 143.42 Mbit/s

95th percentile per-packet one-way delay: 117.819 ms

Loss rate: 0.63%

Run 2: Report of TCP BBR — Data Link

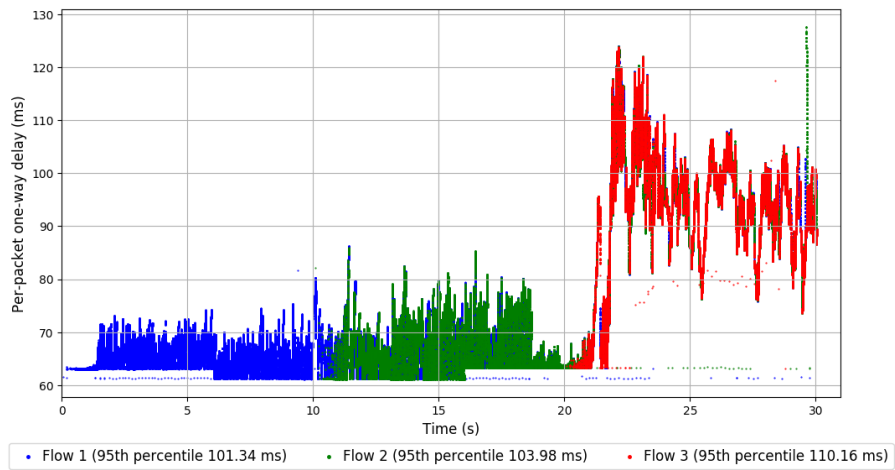
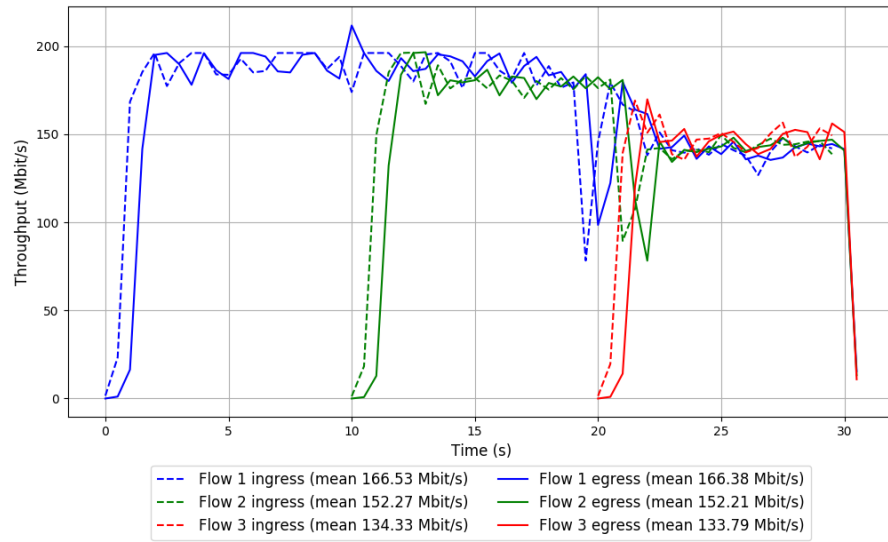


Run 3: Statistics of TCP BBR

Start at: 2018-05-31 11:56:09
End at: 2018-05-31 11:56:39
Local clock offset: 0.136 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-05-31 14:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 312.14 Mbit/s
95th percentile per-packet one-way delay: 104.360 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 166.38 Mbit/s
95th percentile per-packet one-way delay: 101.343 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 152.21 Mbit/s
95th percentile per-packet one-way delay: 103.978 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 133.79 Mbit/s
95th percentile per-packet one-way delay: 110.156 ms
Loss rate: 0.42%

Run 3: Report of TCP BBR — Data Link

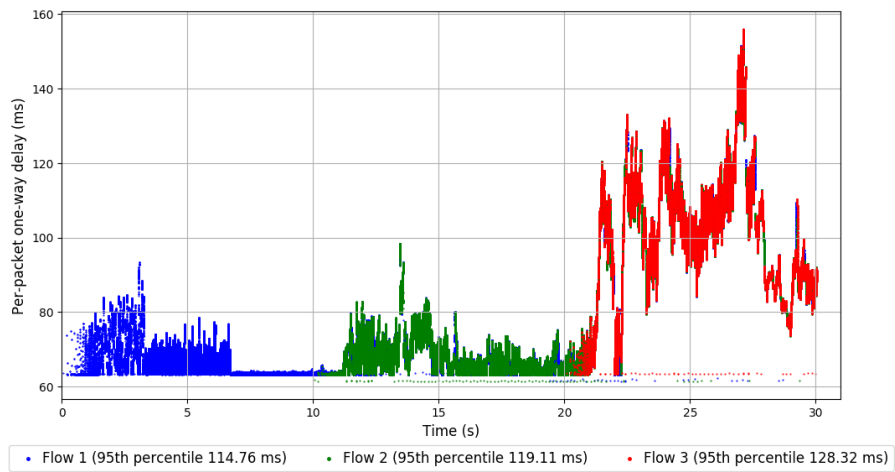
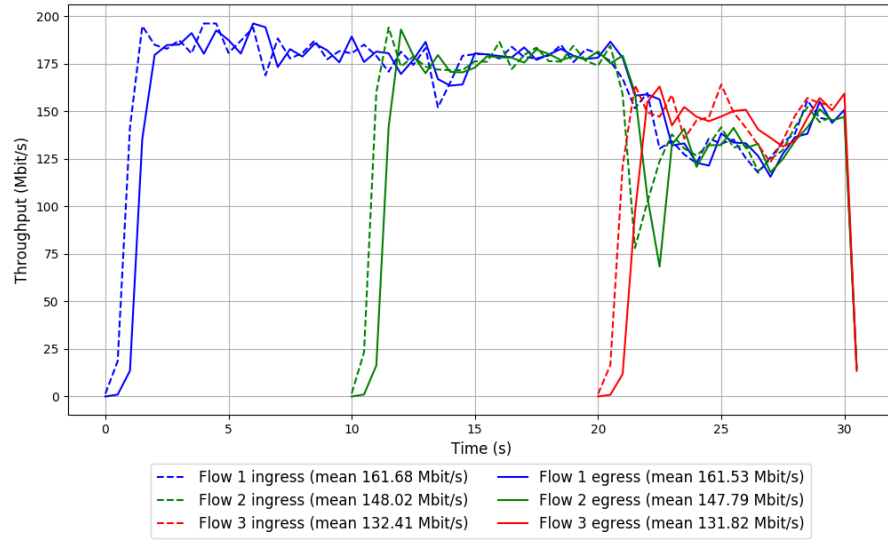


Run 4: Statistics of TCP BBR

Start at: 2018-05-31 12:19:05
End at: 2018-05-31 12:19:35
Local clock offset: 0.064 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-05-31 14:57:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.88 Mbit/s
95th percentile per-packet one-way delay: 119.358 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 161.53 Mbit/s
95th percentile per-packet one-way delay: 114.760 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 147.79 Mbit/s
95th percentile per-packet one-way delay: 119.108 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 131.82 Mbit/s
95th percentile per-packet one-way delay: 128.325 ms
Loss rate: 0.44%

Run 4: Report of TCP BBR — Data Link

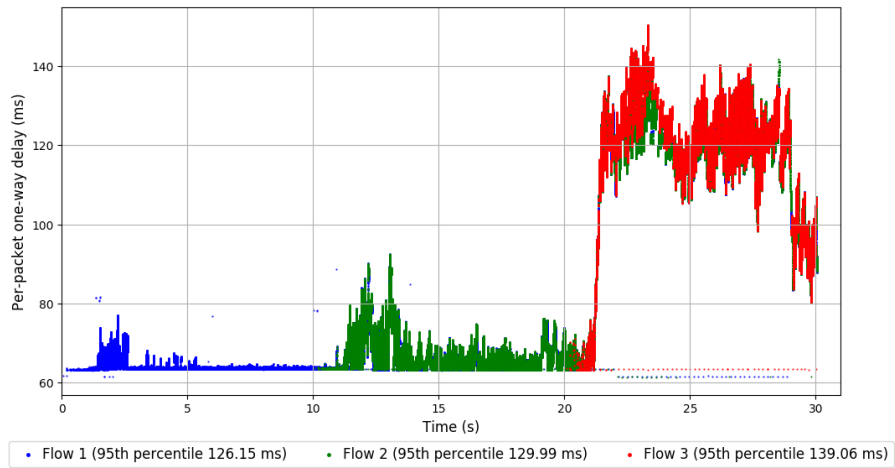
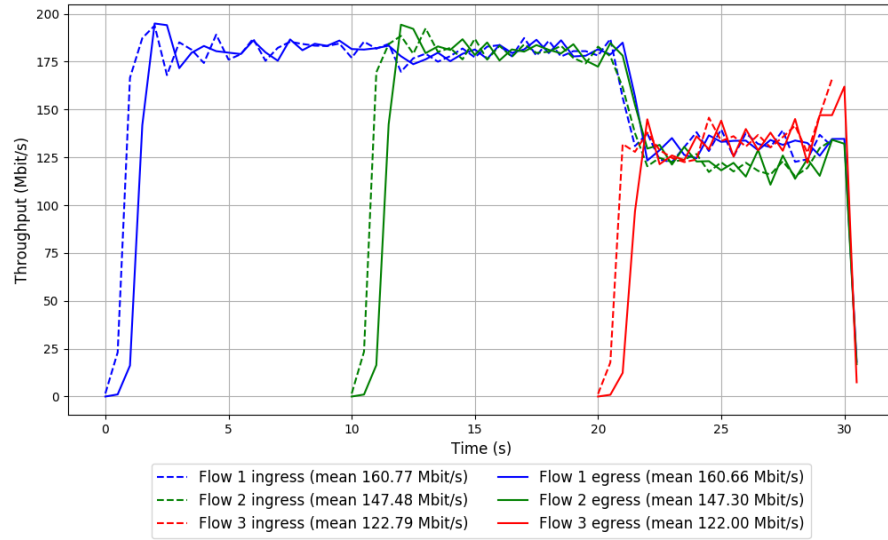


Run 5: Statistics of TCP BBR

Start at: 2018-05-31 12:41:43
End at: 2018-05-31 12:42:13
Local clock offset: -0.033 ms
Remote clock offset: -0.131 ms

Below is generated by plot.py at 2018-05-31 14:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.22 Mbit/s
95th percentile per-packet one-way delay: 131.197 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 160.66 Mbit/s
95th percentile per-packet one-way delay: 126.151 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 147.30 Mbit/s
95th percentile per-packet one-way delay: 129.993 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 122.00 Mbit/s
95th percentile per-packet one-way delay: 139.063 ms
Loss rate: 0.86%

Run 5: Report of TCP BBR — Data Link

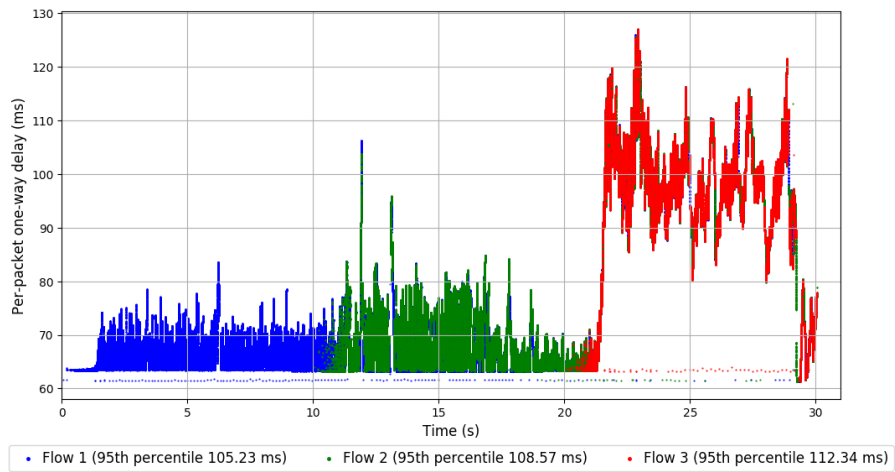
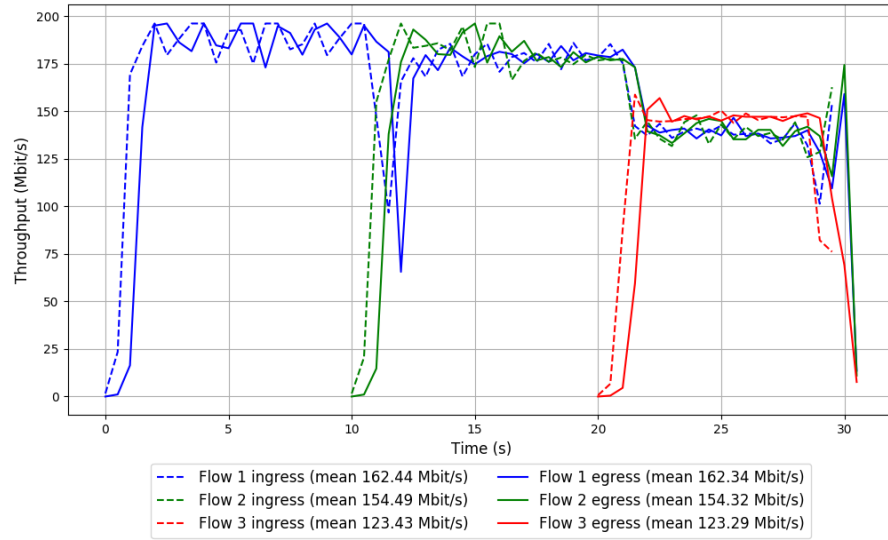


Run 6: Statistics of TCP BBR

Start at: 2018-05-31 13:04:05
End at: 2018-05-31 13:04:35
Local clock offset: -0.02 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-05-31 14:57:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 306.16 Mbit/s
95th percentile per-packet one-way delay: 108.388 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 162.34 Mbit/s
95th percentile per-packet one-way delay: 105.235 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 154.32 Mbit/s
95th percentile per-packet one-way delay: 108.567 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 123.29 Mbit/s
95th percentile per-packet one-way delay: 112.340 ms
Loss rate: 0.11%

Run 6: Report of TCP BBR — Data Link

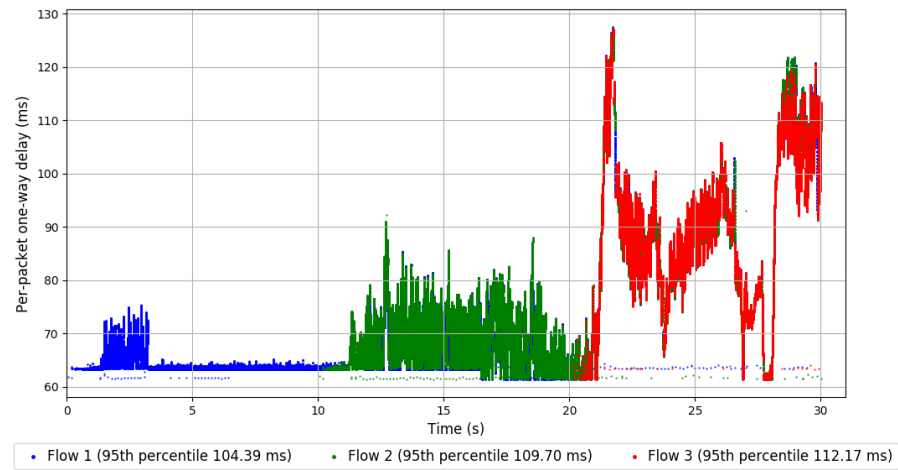
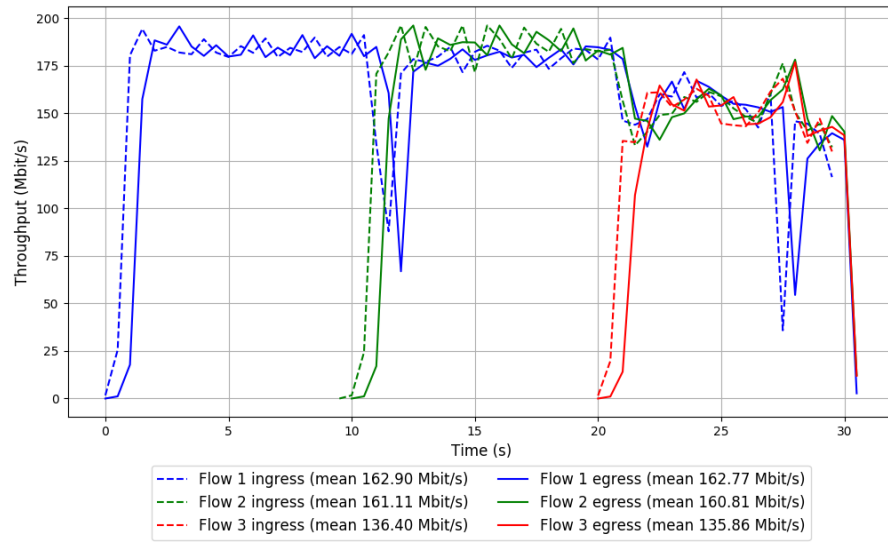


Run 7: Statistics of TCP BBR

Start at: 2018-05-31 13:26:38
End at: 2018-05-31 13:27:08
Local clock offset: -0.039 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-31 14:57:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 315.04 Mbit/s
95th percentile per-packet one-way delay: 108.797 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 162.77 Mbit/s
95th percentile per-packet one-way delay: 104.395 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 160.81 Mbit/s
95th percentile per-packet one-way delay: 109.697 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 135.86 Mbit/s
95th percentile per-packet one-way delay: 112.166 ms
Loss rate: 0.38%

Run 7: Report of TCP BBR — Data Link

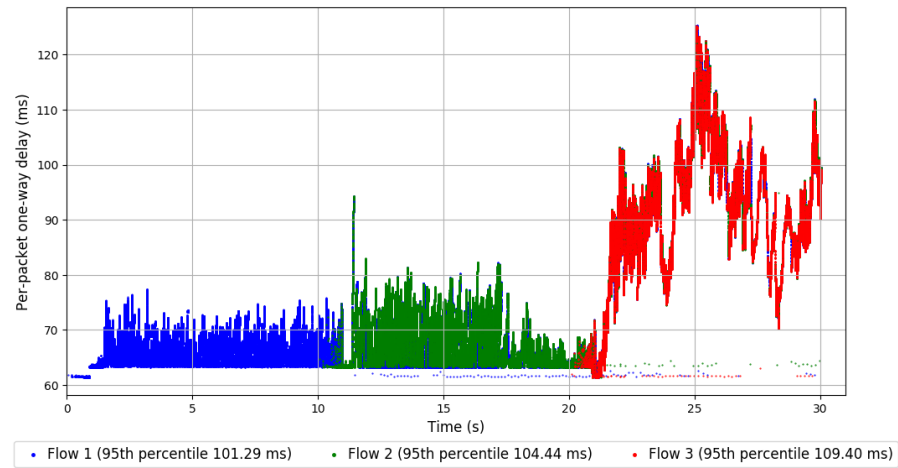
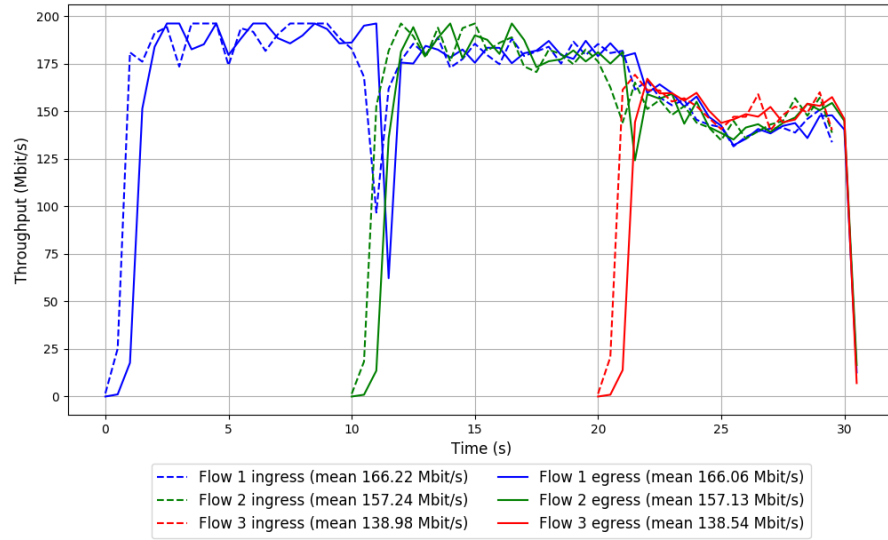


Run 8: Statistics of TCP BBR

Start at: 2018-05-31 13:49:24
End at: 2018-05-31 13:49:54
Local clock offset: -0.017 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-05-31 14:57:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 316.64 Mbit/s
95th percentile per-packet one-way delay: 104.250 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 166.06 Mbit/s
95th percentile per-packet one-way delay: 101.287 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 157.13 Mbit/s
95th percentile per-packet one-way delay: 104.442 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 138.54 Mbit/s
95th percentile per-packet one-way delay: 109.402 ms
Loss rate: 0.51%

Run 8: Report of TCP BBR — Data Link

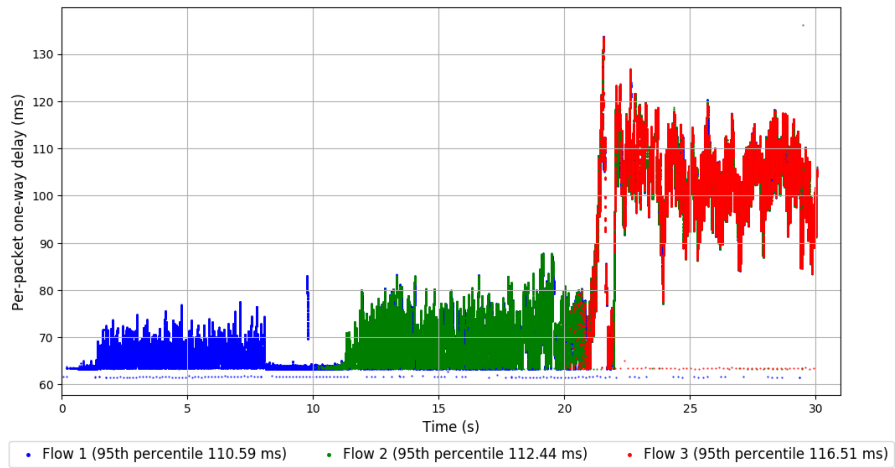
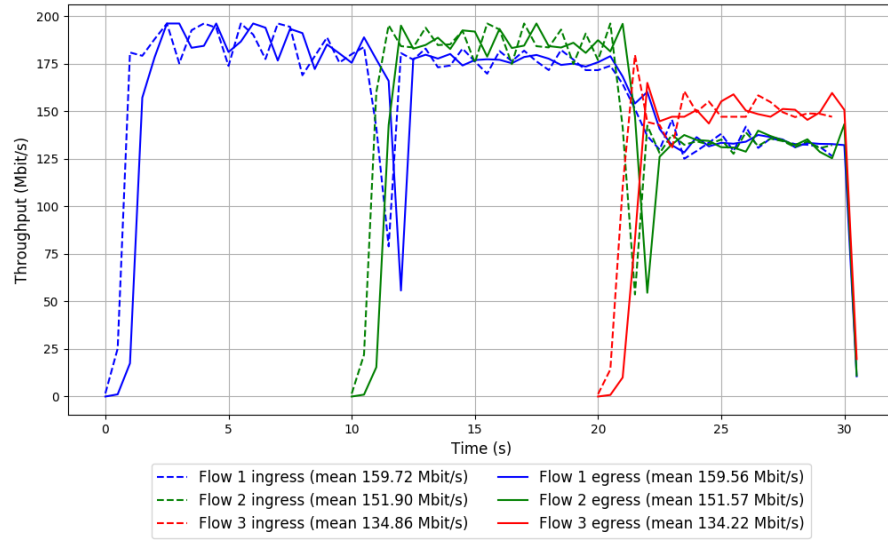


Run 9: Statistics of TCP BBR

Start at: 2018-05-31 14:12:09
End at: 2018-05-31 14:12:39
Local clock offset: -0.01 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-31 15:02:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 305.17 Mbit/s
95th percentile per-packet one-way delay: 112.811 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 159.56 Mbit/s
95th percentile per-packet one-way delay: 110.595 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 112.437 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 134.22 Mbit/s
95th percentile per-packet one-way delay: 116.514 ms
Loss rate: 0.18%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-05-31 14:34:54

End at: 2018-05-31 14:35:24

Local clock offset: -0.084 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-05-31 15:02:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.45 Mbit/s

95th percentile per-packet one-way delay: 110.268 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 160.00 Mbit/s

95th percentile per-packet one-way delay: 105.510 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 157.58 Mbit/s

95th percentile per-packet one-way delay: 110.533 ms

Loss rate: 0.21%

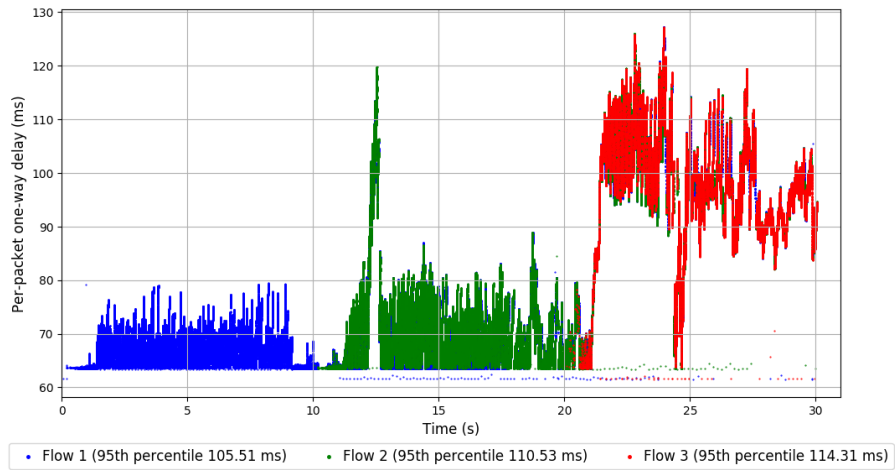
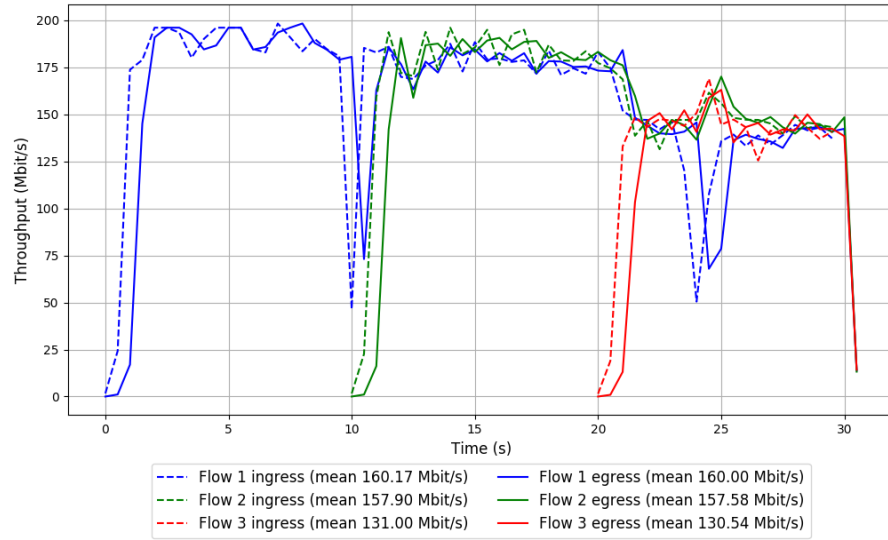
-- Flow 3:

Average throughput: 130.54 Mbit/s

95th percentile per-packet one-way delay: 114.314 ms

Loss rate: 0.36%

Run 10: Report of TCP BBR — Data Link

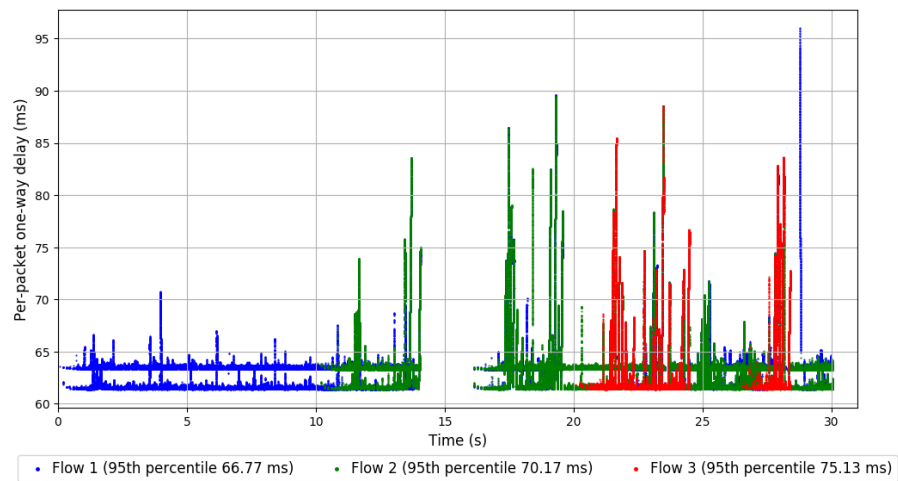
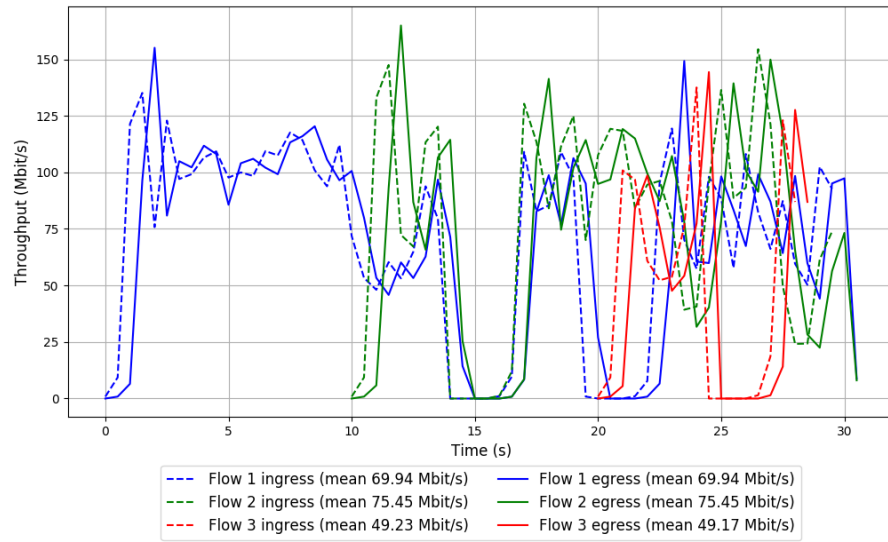


Run 1: Statistics of Copa

Start at: 2018-05-31 11:01:00
End at: 2018-05-31 11:01:30
Local clock offset: -0.482 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-31 15:02:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 133.84 Mbit/s
95th percentile per-packet one-way delay: 69.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 66.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 70.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 75.126 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

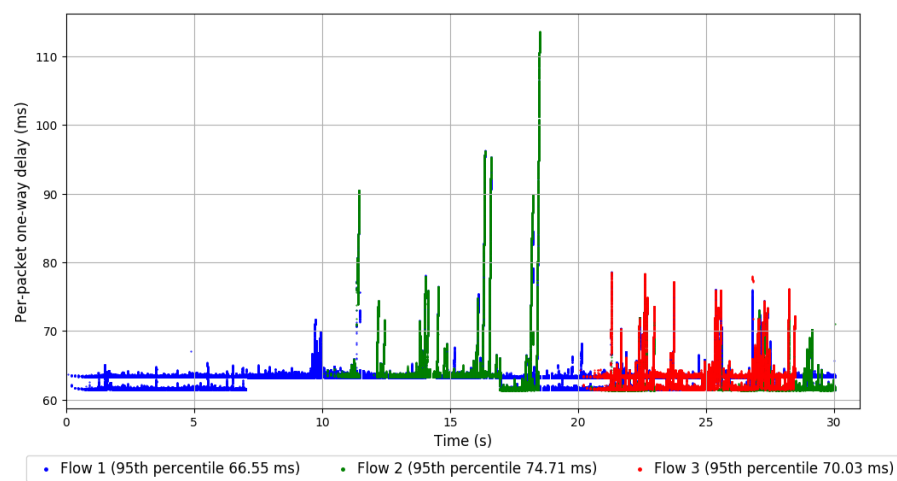
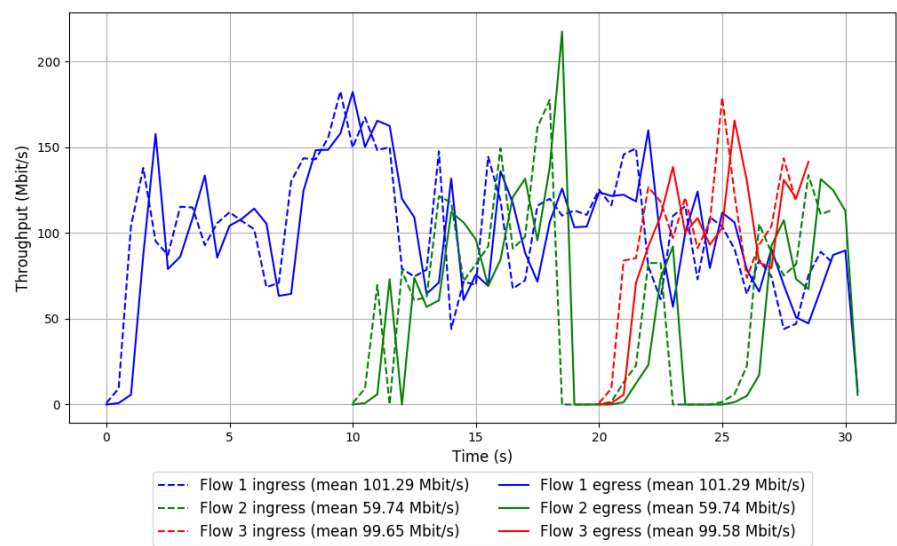


Run 2: Statistics of Copa

Start at: 2018-05-31 11:23:08
End at: 2018-05-31 11:23:38
Local clock offset: -0.557 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-05-31 15:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 168.99 Mbit/s
95th percentile per-packet one-way delay: 69.512 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 101.29 Mbit/s
95th percentile per-packet one-way delay: 66.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 74.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 99.58 Mbit/s
95th percentile per-packet one-way delay: 70.027 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

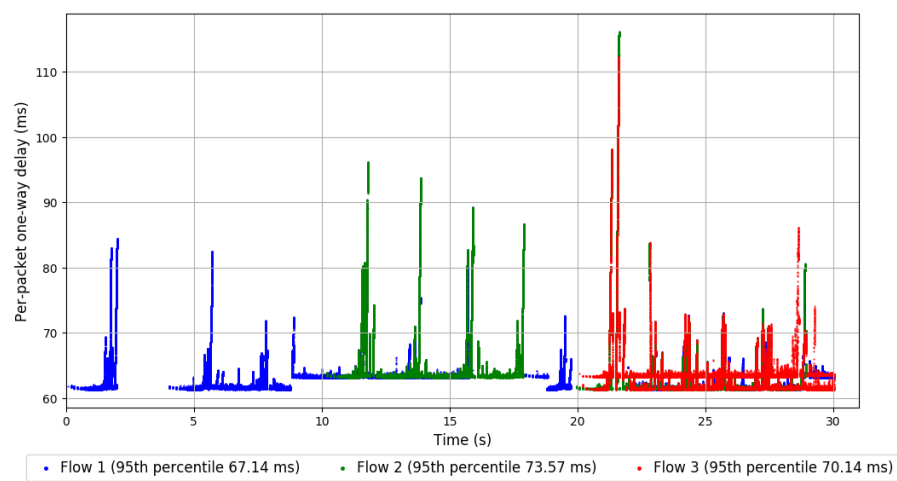
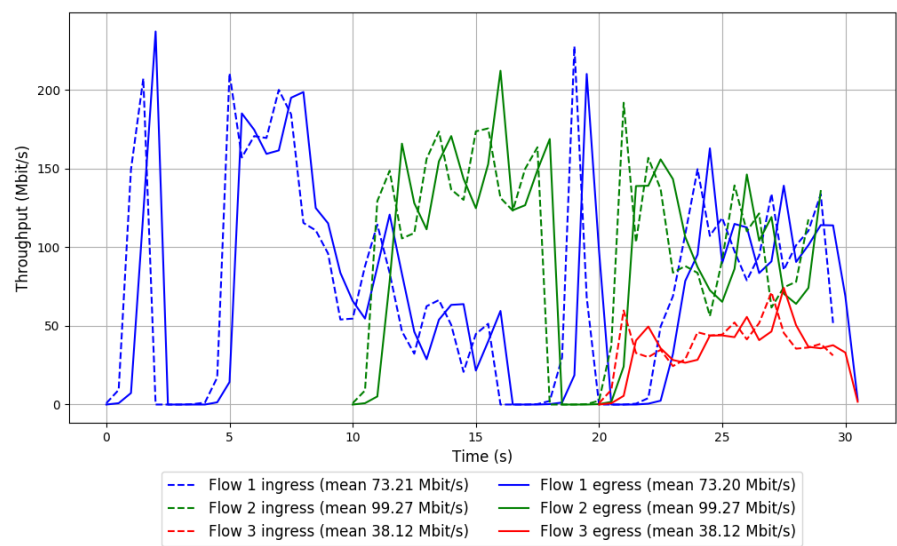


Run 3: Statistics of Copa

Start at: 2018-05-31 11:45:56
End at: 2018-05-31 11:46:26
Local clock offset: 0.083 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-05-31 15:02:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.37 Mbit/s
95th percentile per-packet one-way delay: 70.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.20 Mbit/s
95th percentile per-packet one-way delay: 67.141 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 99.27 Mbit/s
95th percentile per-packet one-way delay: 73.568 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.12 Mbit/s
95th percentile per-packet one-way delay: 70.144 ms
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

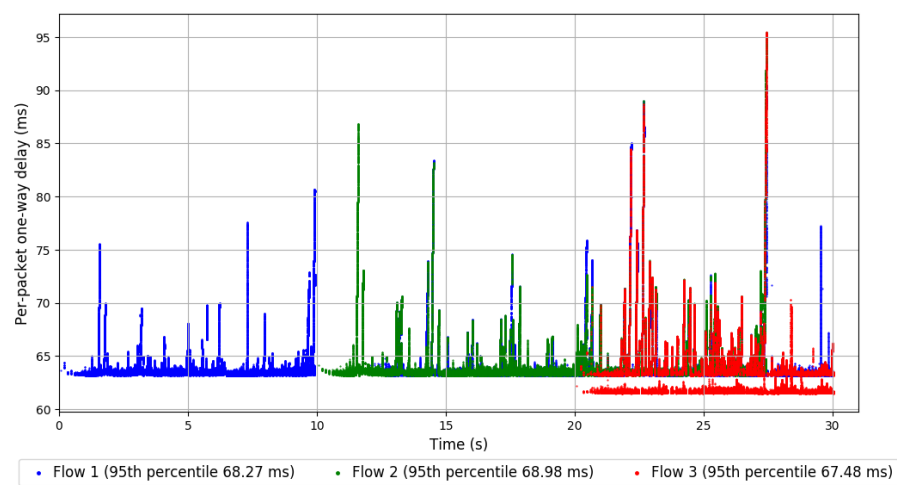
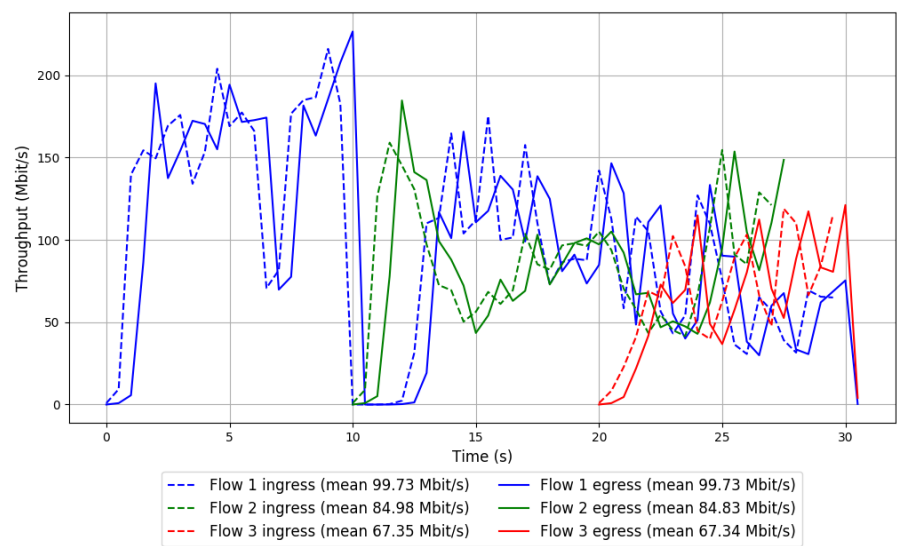


Run 4: Statistics of Copa

Start at: 2018-05-31 12:08:36
End at: 2018-05-31 12:09:06
Local clock offset: 0.031 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-31 15:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 171.23 Mbit/s
95th percentile per-packet one-way delay: 68.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.73 Mbit/s
95th percentile per-packet one-way delay: 68.265 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 68.983 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.34 Mbit/s
95th percentile per-packet one-way delay: 67.476 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link

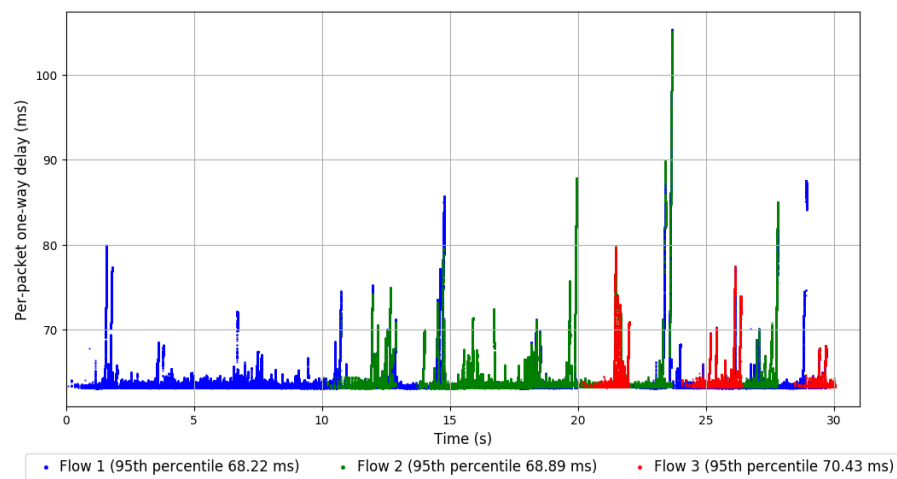
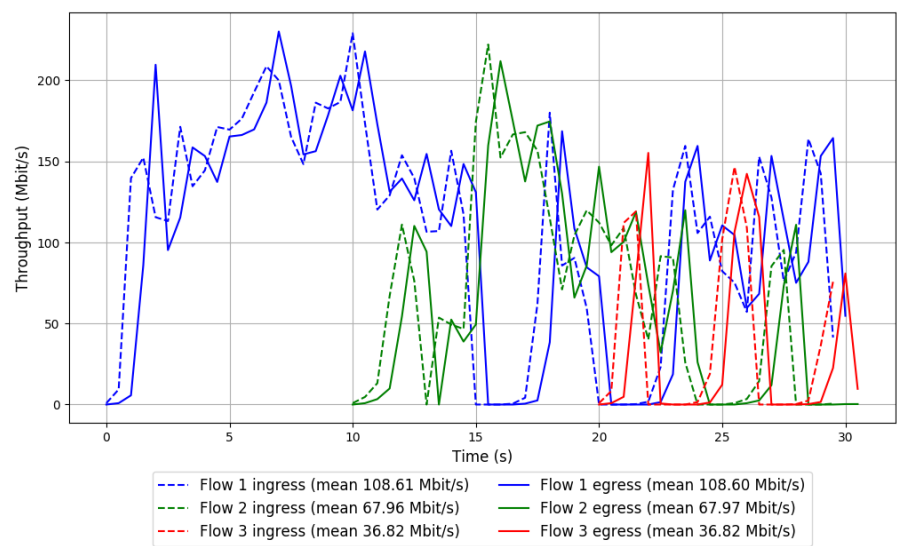


Run 5: Statistics of Copa

Start at: 2018-05-31 12:31:26
End at: 2018-05-31 12:31:56
Local clock offset: 0.058 ms
Remote clock offset: -0.184 ms

Below is generated by plot.py at 2018-05-31 15:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 164.75 Mbit/s
95th percentile per-packet one-way delay: 68.659 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.60 Mbit/s
95th percentile per-packet one-way delay: 68.222 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 68.894 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 36.82 Mbit/s
95th percentile per-packet one-way delay: 70.426 ms
Loss rate: 0.00%

Run 5: Report of Copa — Data Link

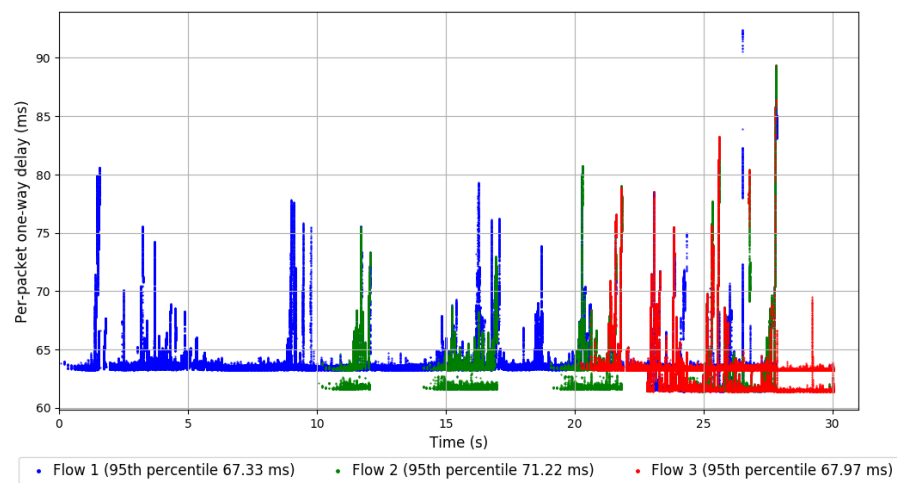
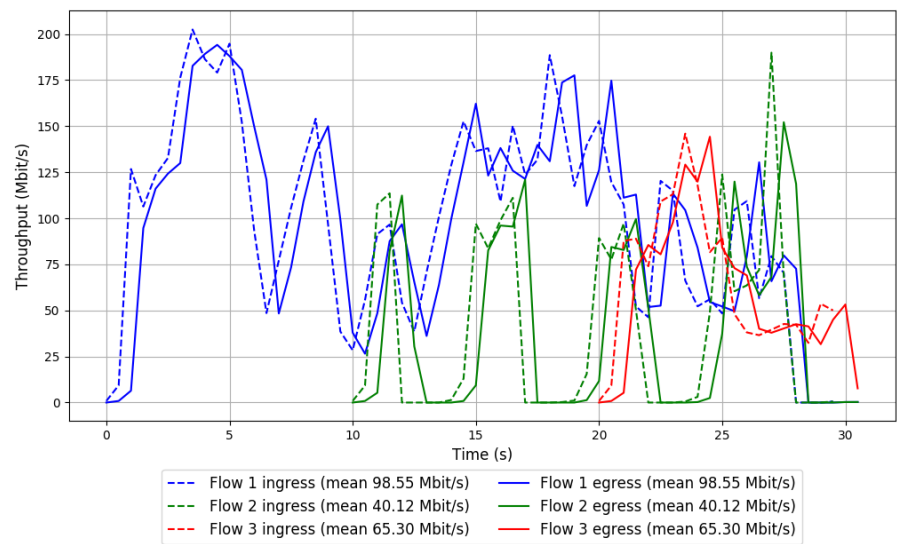


Run 6: Statistics of Copa

Start at: 2018-05-31 12:53:52
End at: 2018-05-31 12:54:22
Local clock offset: -0.005 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 15:02:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 146.80 Mbit/s
95th percentile per-packet one-way delay: 68.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.55 Mbit/s
95th percentile per-packet one-way delay: 67.327 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 71.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.30 Mbit/s
95th percentile per-packet one-way delay: 67.969 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

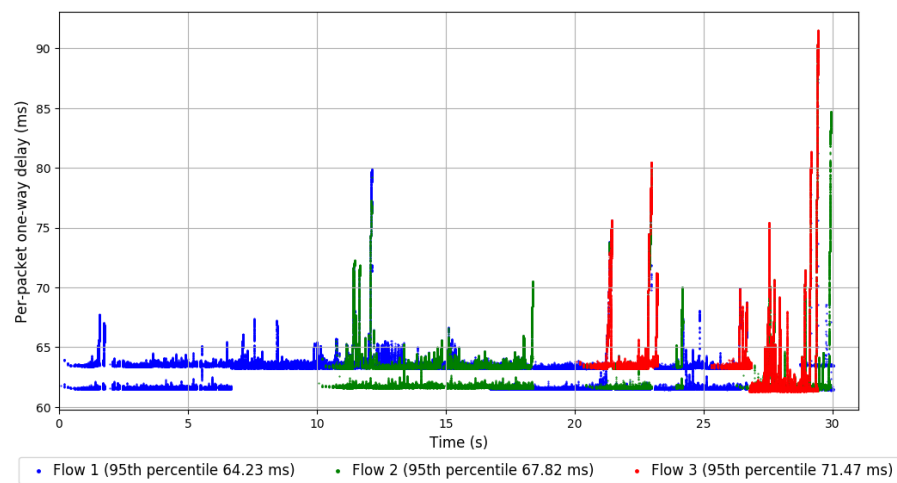
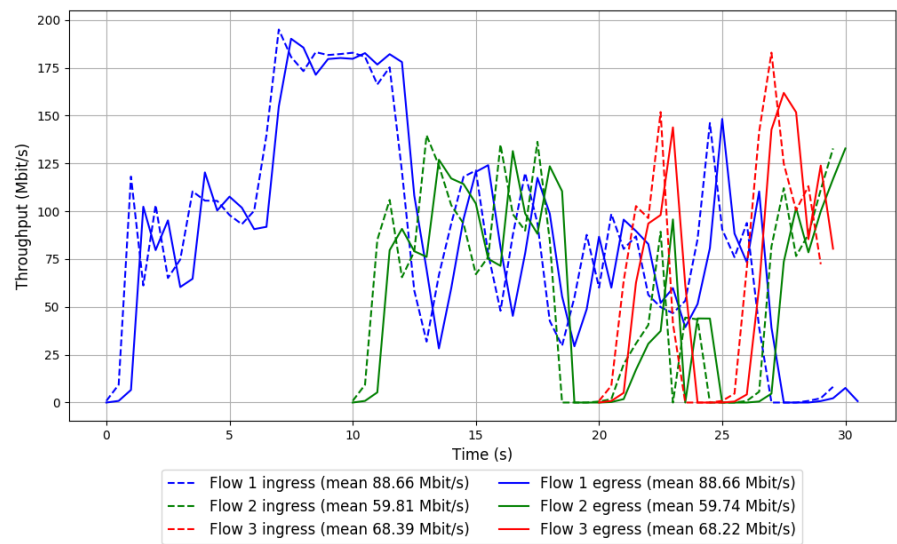


Run 7: Statistics of Copa

Start at: 2018-05-31 13:16:28
End at: 2018-05-31 13:16:58
Local clock offset: -0.039 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-05-31 15:06:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 149.55 Mbit/s
95th percentile per-packet one-way delay: 65.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.66 Mbit/s
95th percentile per-packet one-way delay: 64.234 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.74 Mbit/s
95th percentile per-packet one-way delay: 67.817 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.22 Mbit/s
95th percentile per-packet one-way delay: 71.465 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-05-31 13:39:11

End at: 2018-05-31 13:39:41

Local clock offset: 0.018 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-05-31 15:06:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 118.16 Mbit/s

95th percentile per-packet one-way delay: 70.538 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.05 Mbit/s

95th percentile per-packet one-way delay: 70.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 70.844 ms

Loss rate: 0.00%

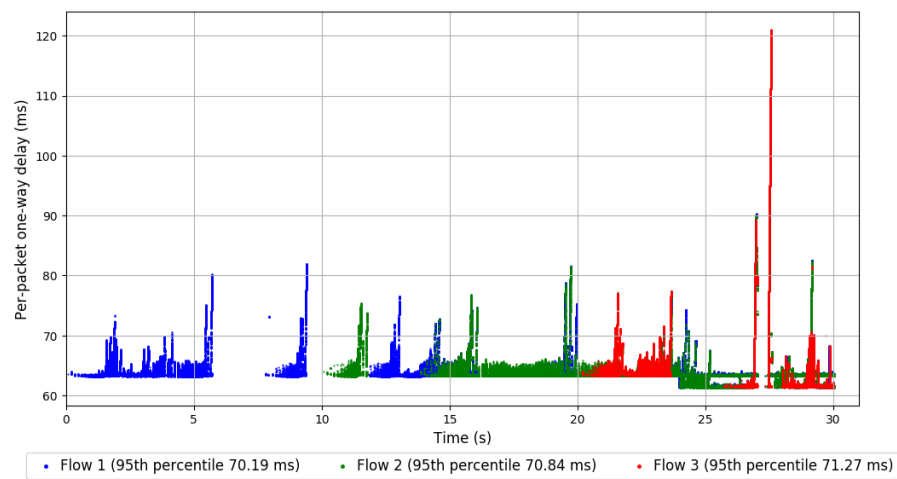
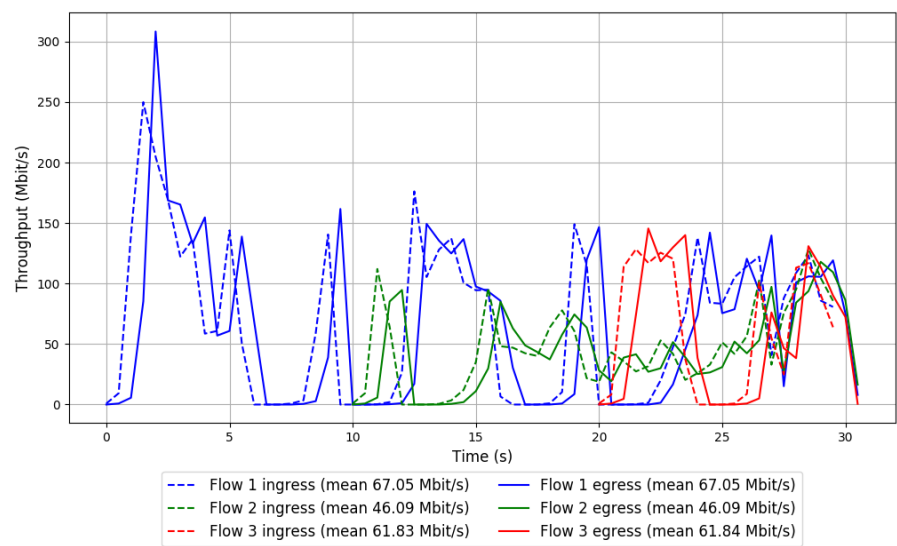
-- Flow 3:

Average throughput: 61.84 Mbit/s

95th percentile per-packet one-way delay: 71.274 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

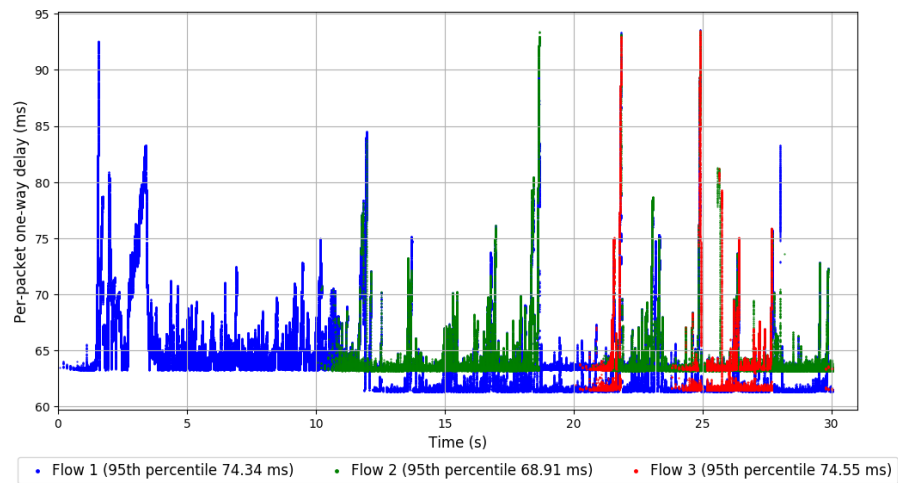
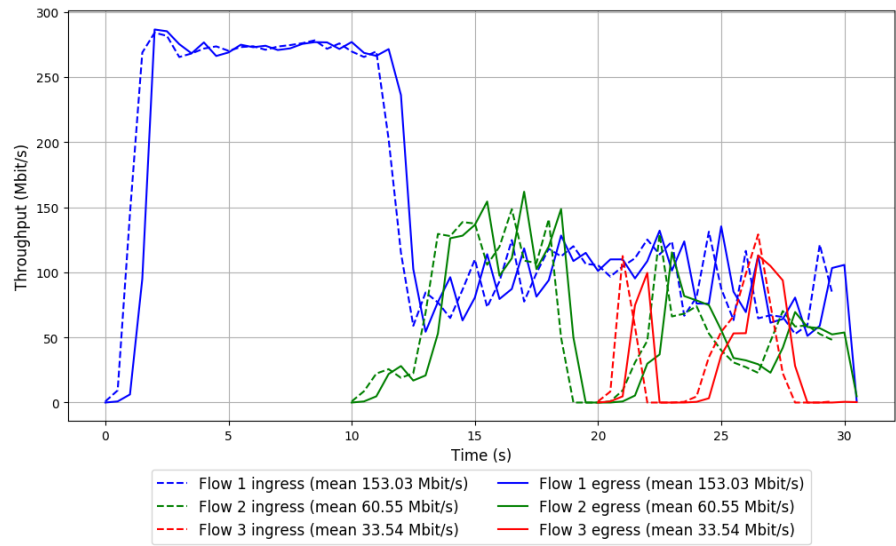


Run 9: Statistics of Copa

Start at: 2018-05-31 14:01:53
End at: 2018-05-31 14:02:23
Local clock offset: -0.006 ms
Remote clock offset: -0.079 ms

Below is generated by plot.py at 2018-05-31 15:08:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.48 Mbit/s
95th percentile per-packet one-way delay: 73.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 153.03 Mbit/s
95th percentile per-packet one-way delay: 74.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 60.55 Mbit/s
95th percentile per-packet one-way delay: 68.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.54 Mbit/s
95th percentile per-packet one-way delay: 74.549 ms
Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-05-31 14:24:37

End at: 2018-05-31 14:25:07

Local clock offset: -0.023 ms

Remote clock offset: 0.124 ms

Below is generated by plot.py at 2018-05-31 15:08:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 200.90 Mbit/s

95th percentile per-packet one-way delay: 68.847 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 136.76 Mbit/s

95th percentile per-packet one-way delay: 68.183 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 70.05 Mbit/s

95th percentile per-packet one-way delay: 69.690 ms

Loss rate: 0.00%

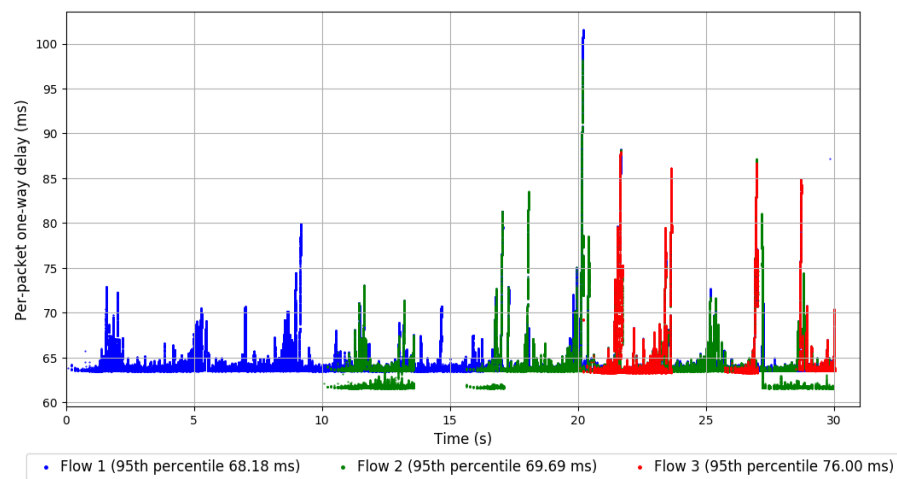
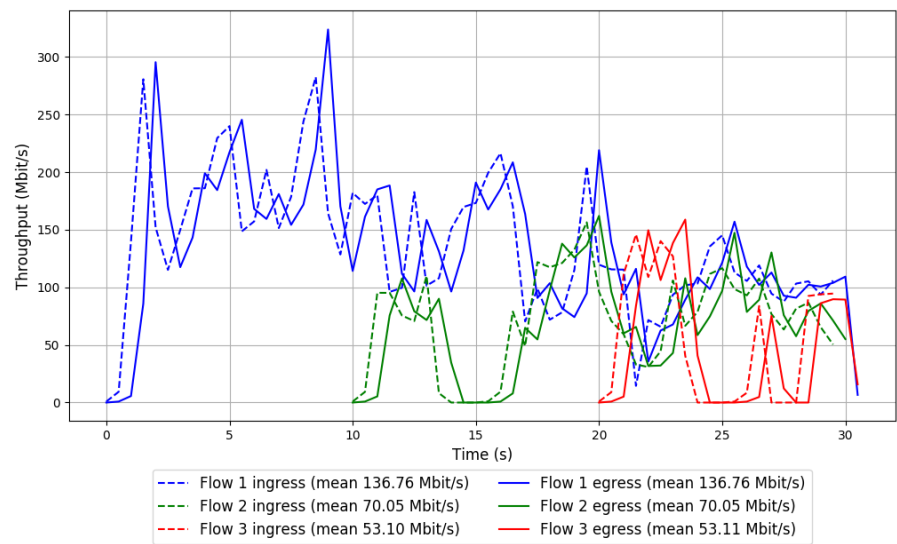
-- Flow 3:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 76.001 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

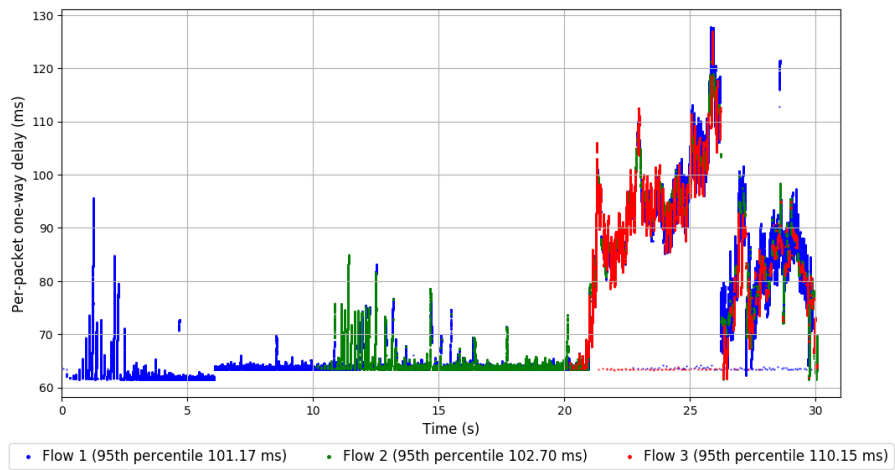
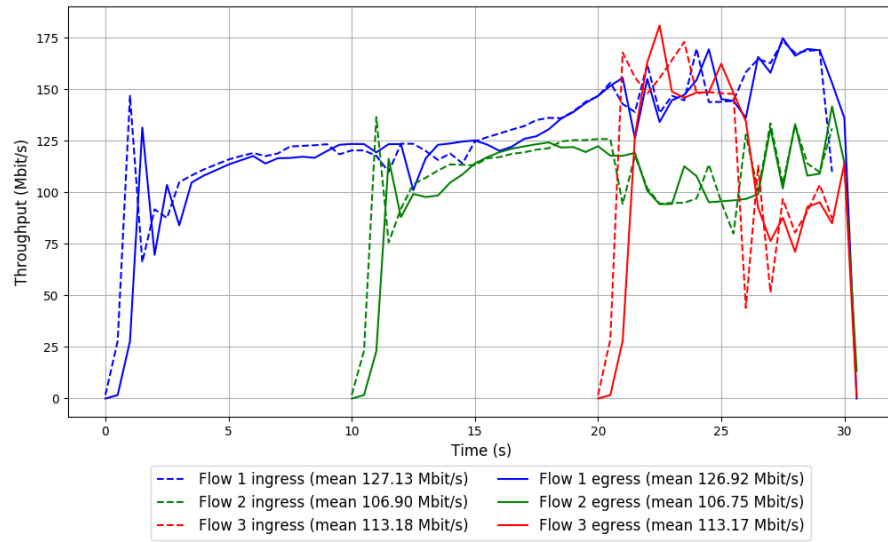


Run 1: Statistics of TCP Cubic

Start at: 2018-05-31 10:59:39
End at: 2018-05-31 11:00:09
Local clock offset: -0.496 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-05-31 15:08:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 235.59 Mbit/s
95th percentile per-packet one-way delay: 104.276 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 126.92 Mbit/s
95th percentile per-packet one-way delay: 101.171 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 106.75 Mbit/s
95th percentile per-packet one-way delay: 102.700 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 113.17 Mbit/s
95th percentile per-packet one-way delay: 110.149 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

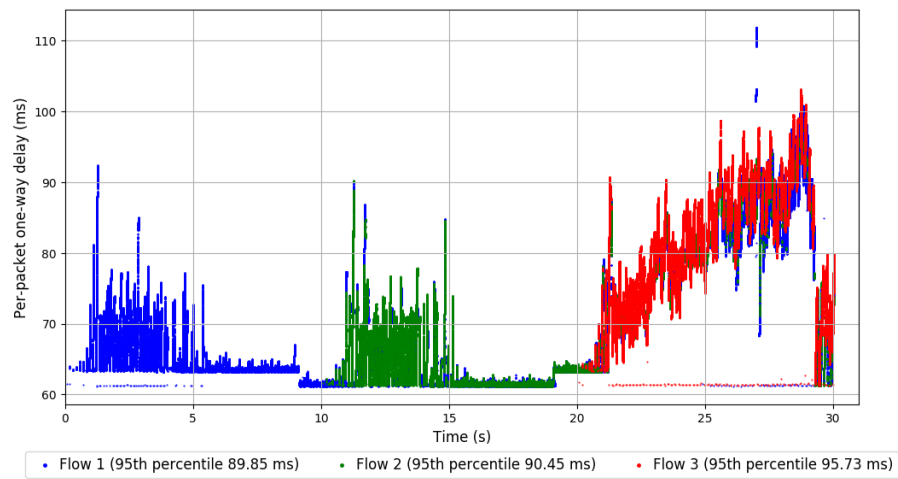
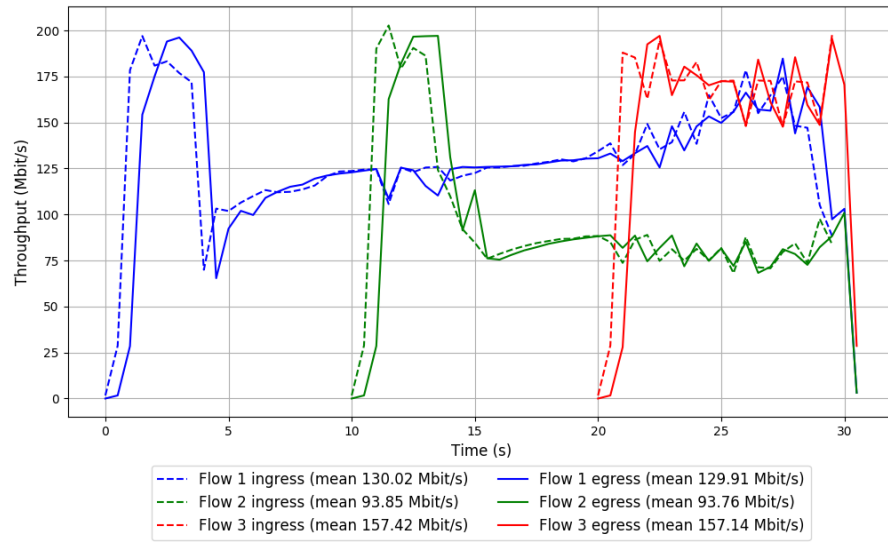


Run 2: Statistics of TCP Cubic

Start at: 2018-05-31 11:21:45
End at: 2018-05-31 11:22:15
Local clock offset: -0.609 ms
Remote clock offset: -0.339 ms

Below is generated by plot.py at 2018-05-31 15:08:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.54 Mbit/s
95th percentile per-packet one-way delay: 91.520 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 89.847 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 93.76 Mbit/s
95th percentile per-packet one-way delay: 90.452 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 157.14 Mbit/s
95th percentile per-packet one-way delay: 95.728 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

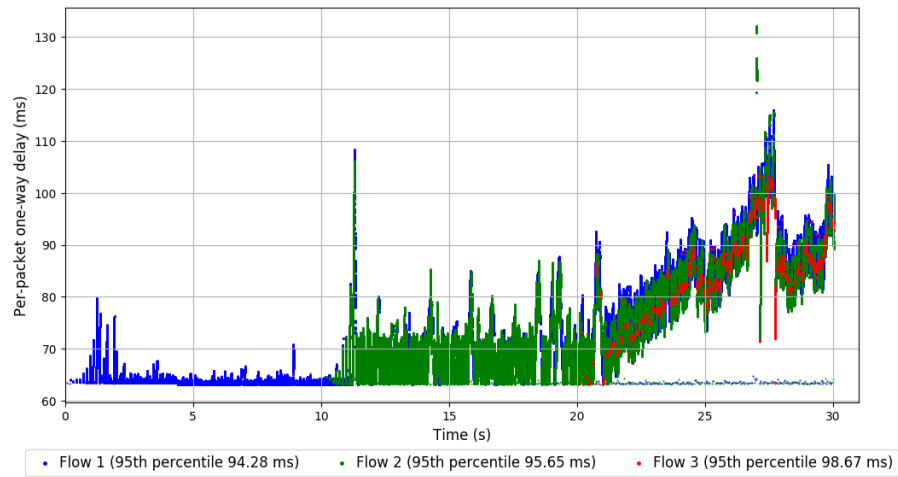
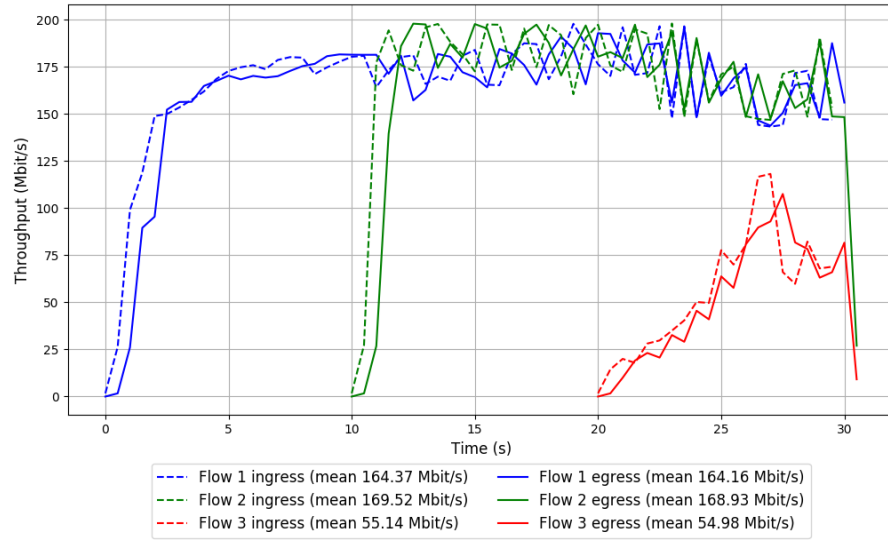


Run 3: Statistics of TCP Cubic

Start at: 2018-05-31 11:44:30
End at: 2018-05-31 11:45:00
Local clock offset: 0.059 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-05-31 15:08:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 294.59 Mbit/s
95th percentile per-packet one-way delay: 96.018 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 164.16 Mbit/s
95th percentile per-packet one-way delay: 94.279 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.93 Mbit/s
95th percentile per-packet one-way delay: 95.654 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 98.673 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

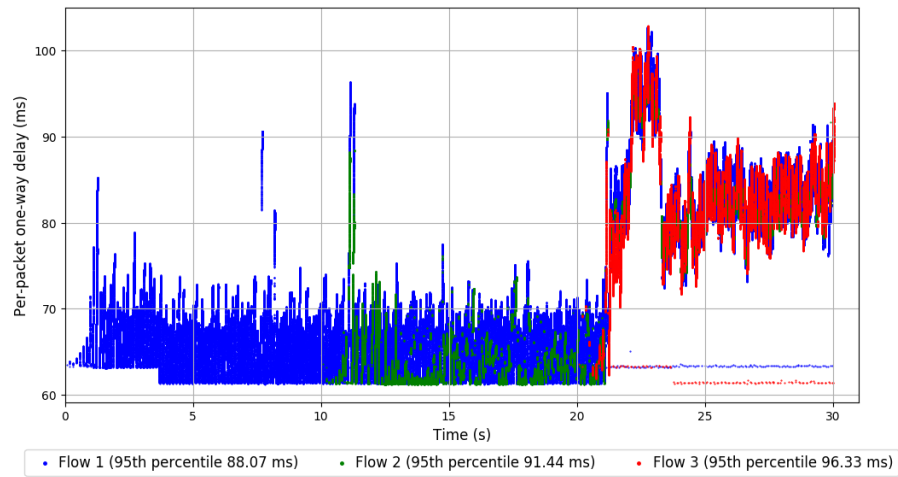
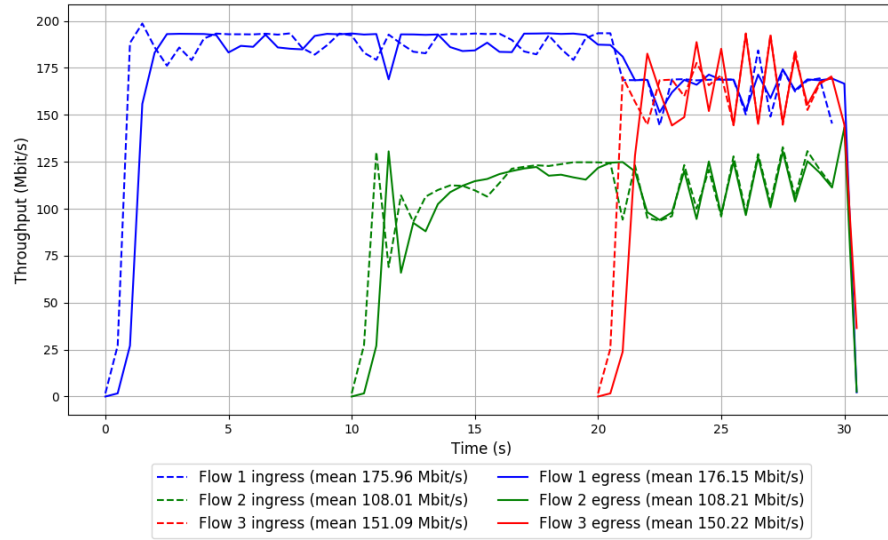


Run 4: Statistics of TCP Cubic

Start at: 2018-05-31 12:07:11
End at: 2018-05-31 12:07:41
Local clock offset: 0.068 ms
Remote clock offset: -0.142 ms

Below is generated by plot.py at 2018-05-31 15:08:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 297.74 Mbit/s
95th percentile per-packet one-way delay: 91.477 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 176.15 Mbit/s
95th percentile per-packet one-way delay: 88.066 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 108.21 Mbit/s
95th percentile per-packet one-way delay: 91.438 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 150.22 Mbit/s
95th percentile per-packet one-way delay: 96.329 ms
Loss rate: 0.39%

Run 4: Report of TCP Cubic — Data Link

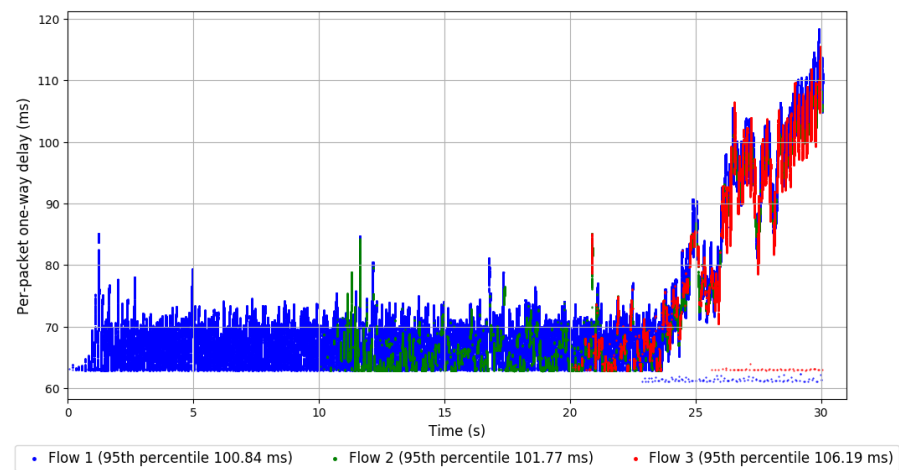
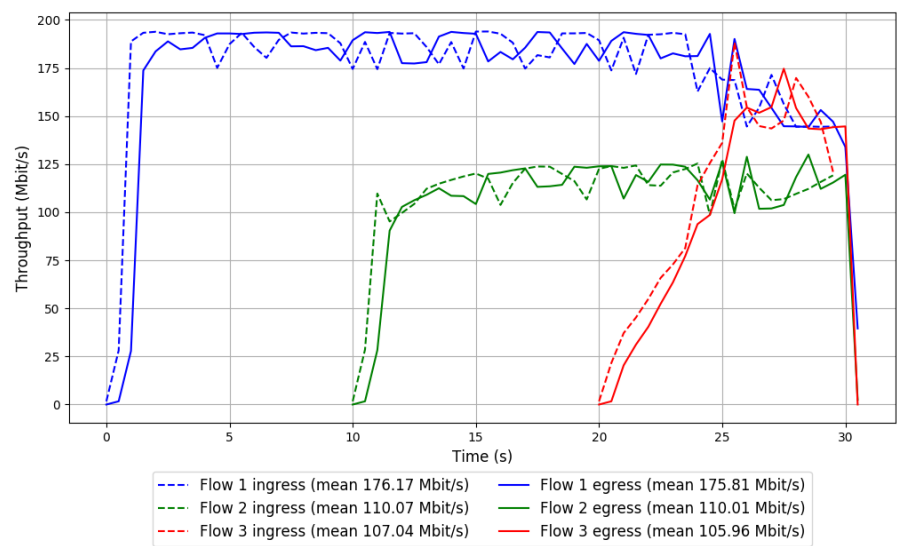


Run 5: Statistics of TCP Cubic

Start at: 2018-05-31 12:30:02
End at: 2018-05-31 12:30:32
Local clock offset: 0.06 ms
Remote clock offset: -0.435 ms

Below is generated by plot.py at 2018-05-31 15:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 284.18 Mbit/s
95th percentile per-packet one-way delay: 102.554 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 175.81 Mbit/s
95th percentile per-packet one-way delay: 100.837 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 110.01 Mbit/s
95th percentile per-packet one-way delay: 101.769 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.96 Mbit/s
95th percentile per-packet one-way delay: 106.189 ms
Loss rate: 1.13%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-31 12:52:32

End at: 2018-05-31 12:53:02

Local clock offset: 0.003 ms

Remote clock offset: 0.162 ms

Below is generated by plot.py at 2018-05-31 15:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.29 Mbit/s

95th percentile per-packet one-way delay: 74.830 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 178.01 Mbit/s

95th percentile per-packet one-way delay: 74.627 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.15 Mbit/s

95th percentile per-packet one-way delay: 75.778 ms

Loss rate: 0.12%

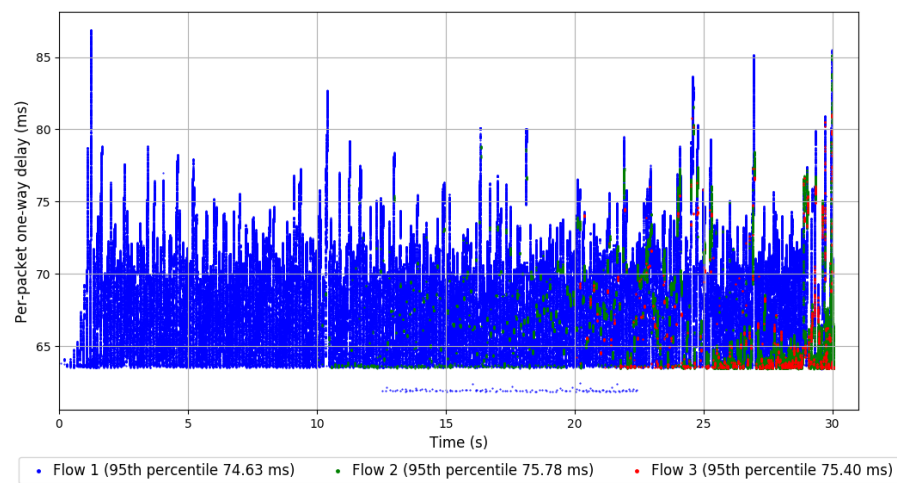
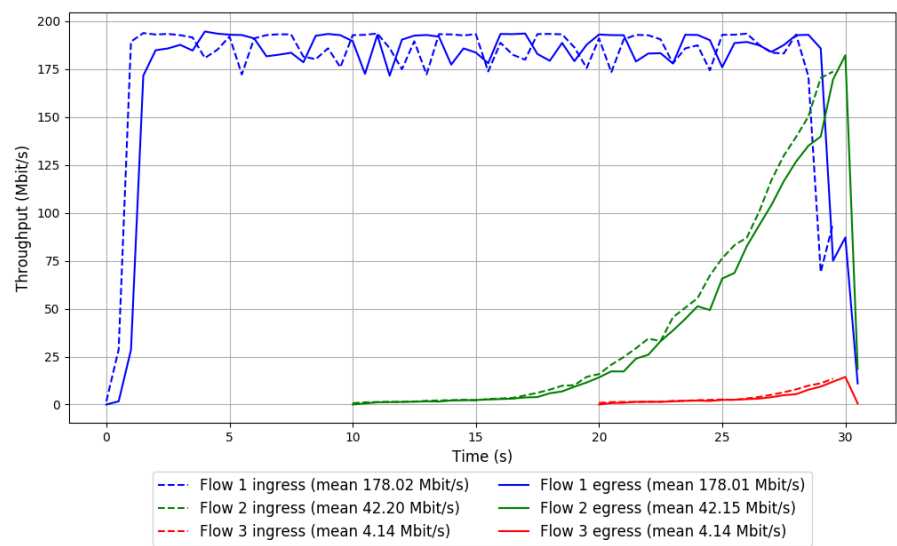
-- Flow 3:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 75.396 ms

Loss rate: 0.03%

Run 6: Report of TCP Cubic — Data Link

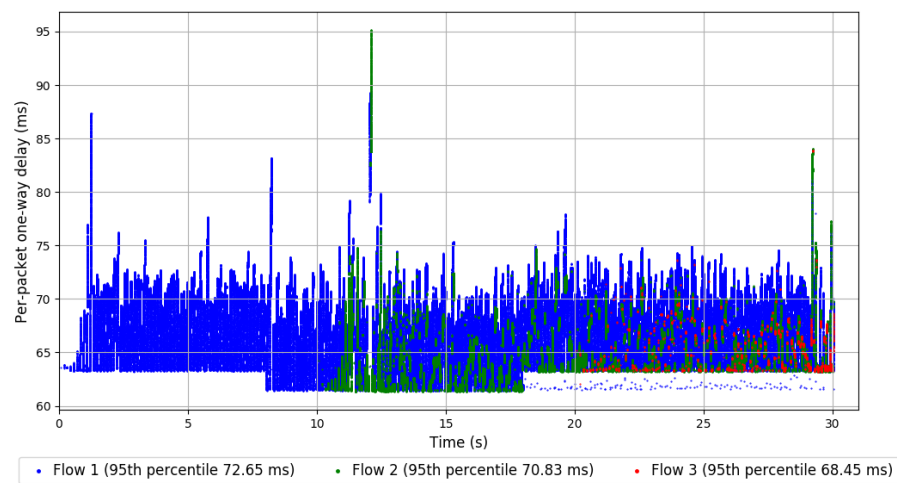
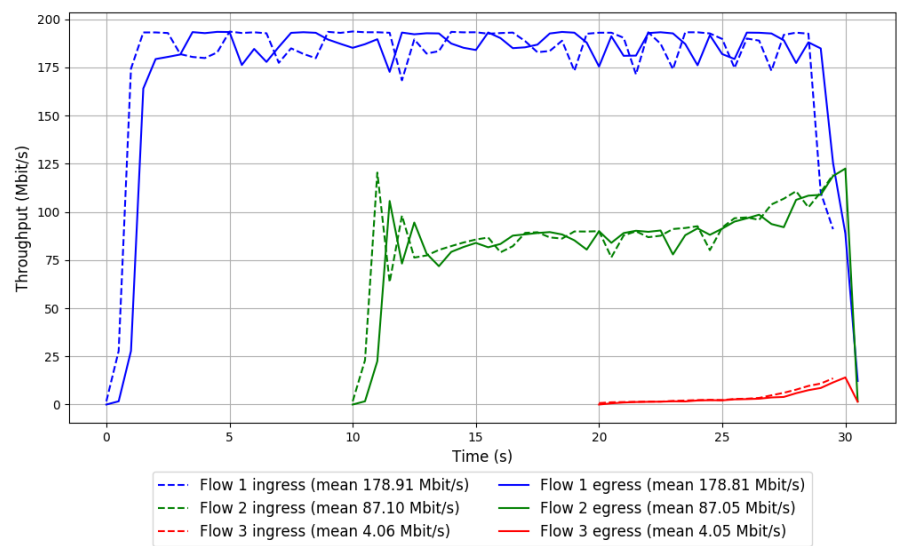


Run 7: Statistics of TCP Cubic

Start at: 2018-05-31 13:15:07
End at: 2018-05-31 13:15:37
Local clock offset: -0.022 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-05-31 15:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.15 Mbit/s
95th percentile per-packet one-way delay: 72.390 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 178.81 Mbit/s
95th percentile per-packet one-way delay: 72.653 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 87.05 Mbit/s
95th percentile per-packet one-way delay: 70.827 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.05 Mbit/s
95th percentile per-packet one-way delay: 68.449 ms
Loss rate: 0.12%

Run 7: Report of TCP Cubic — Data Link

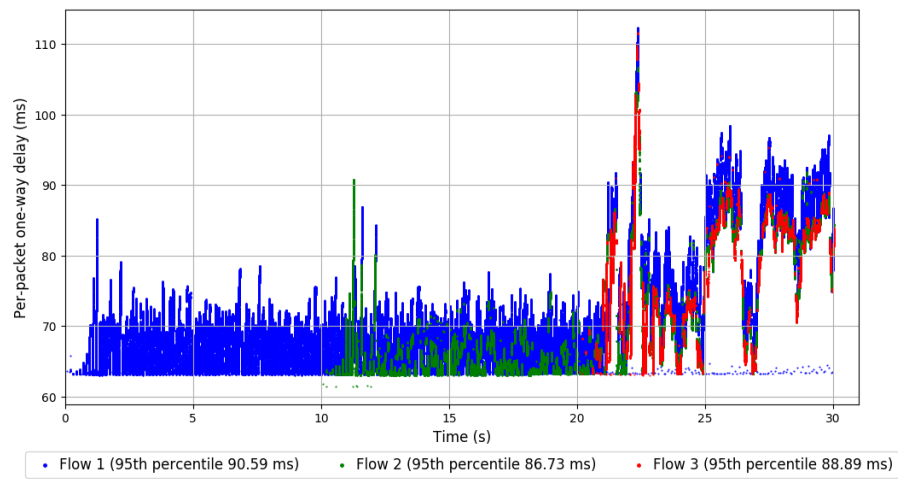
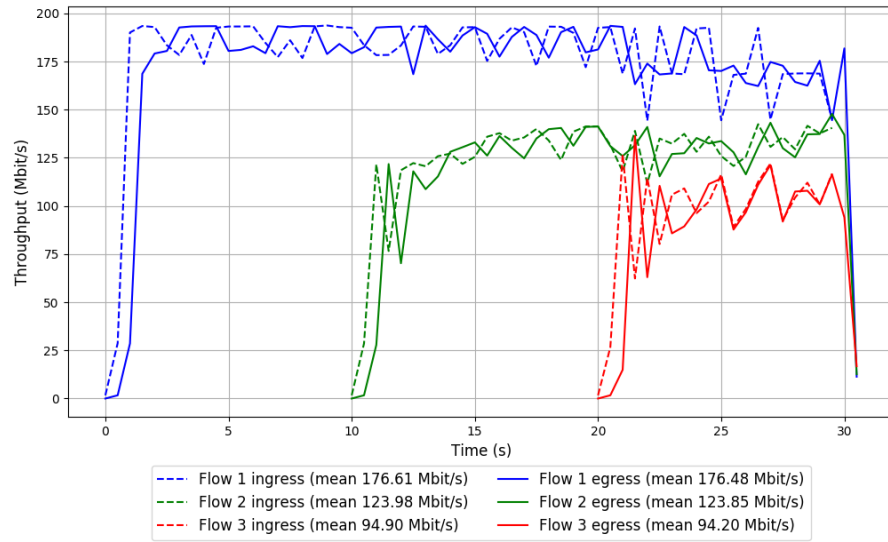


Run 8: Statistics of TCP Cubic

Start at: 2018-05-31 13:37:46
End at: 2018-05-31 13:38:16
Local clock offset: 0.009 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-05-31 15:11:28
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.07 Mbit/s
95th percentile per-packet one-way delay: 89.205 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 176.48 Mbit/s
95th percentile per-packet one-way delay: 90.593 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.85 Mbit/s
95th percentile per-packet one-way delay: 86.727 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 88.893 ms
Loss rate: 0.72%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-05-31 14:00:32

End at: 2018-05-31 14:01:02

Local clock offset: -0.023 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-05-31 15:11:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 226.43 Mbit/s

95th percentile per-packet one-way delay: 81.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.17 Mbit/s

95th percentile per-packet one-way delay: 82.665 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 139.61 Mbit/s

95th percentile per-packet one-way delay: 80.054 ms

Loss rate: 0.00%

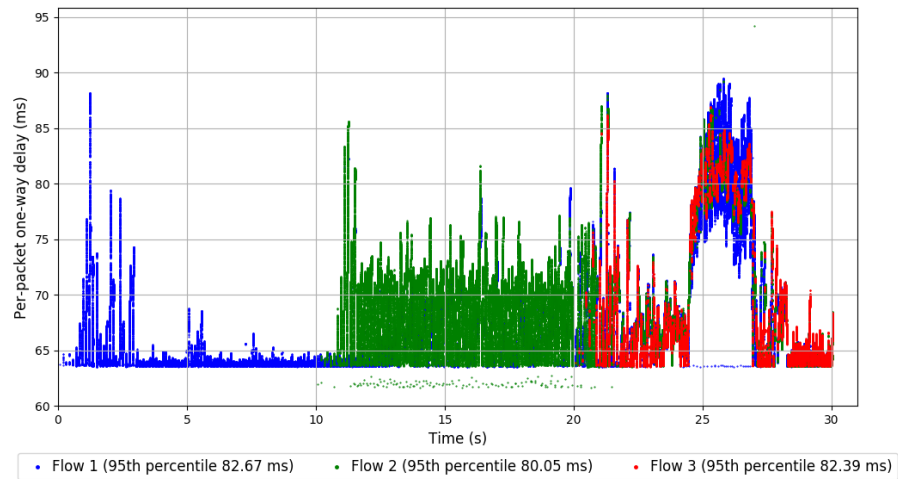
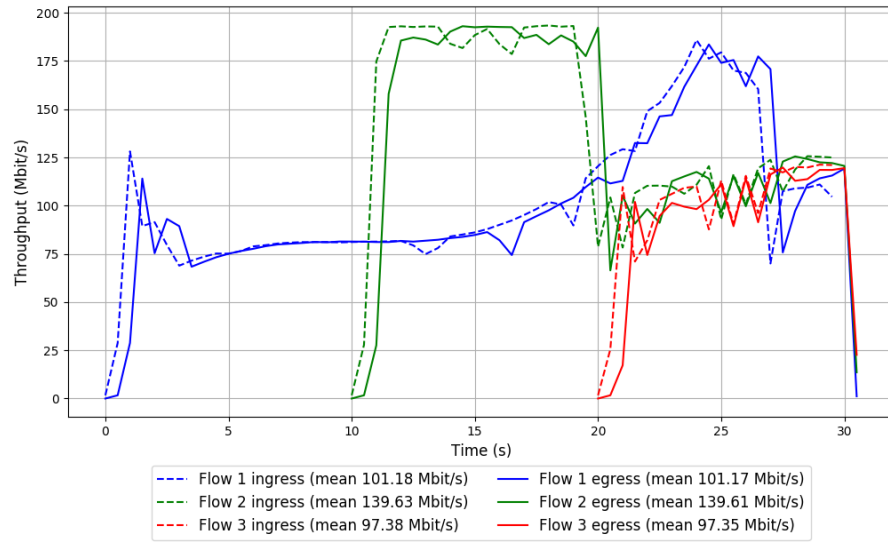
-- Flow 3:

Average throughput: 97.35 Mbit/s

95th percentile per-packet one-way delay: 82.389 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-05-31 14:23:12

End at: 2018-05-31 14:23:43

Local clock offset: -0.019 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-05-31 15:12:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.37 Mbit/s

95th percentile per-packet one-way delay: 92.789 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 142.38 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.97 Mbit/s

95th percentile per-packet one-way delay: 94.193 ms

Loss rate: 0.36%

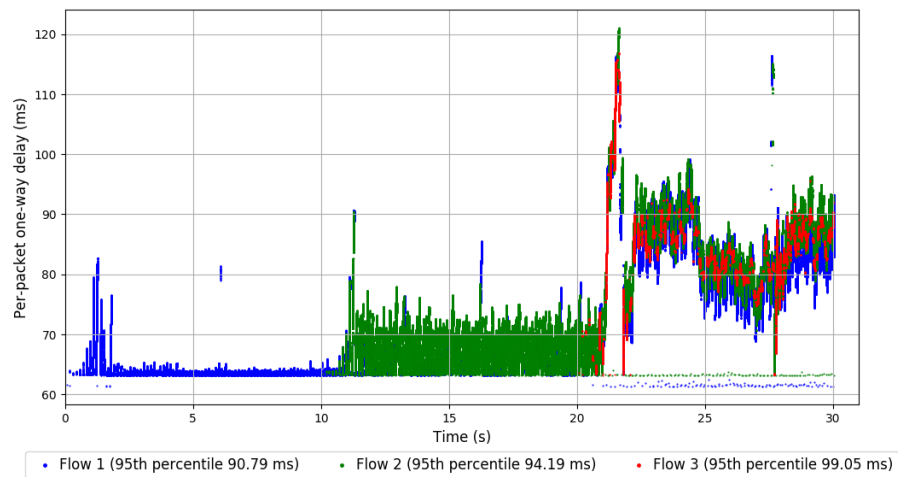
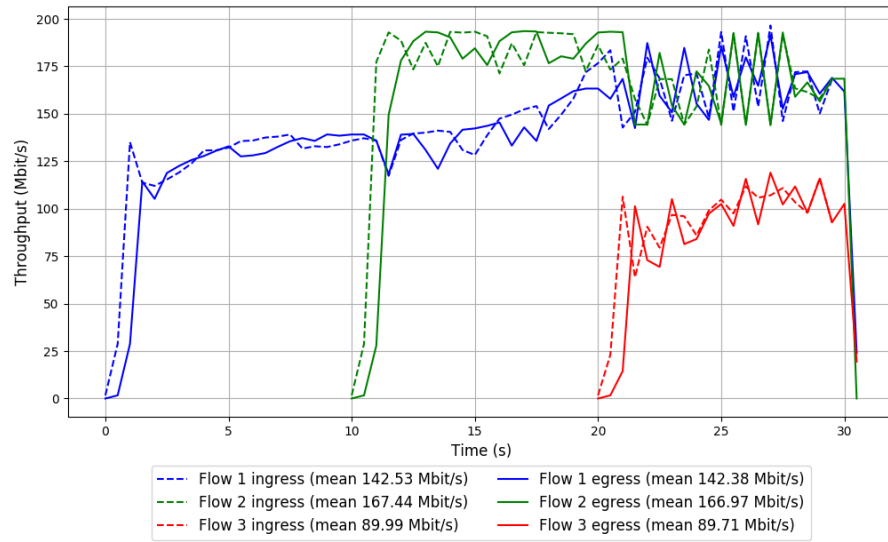
-- Flow 3:

Average throughput: 89.71 Mbit/s

95th percentile per-packet one-way delay: 99.054 ms

Loss rate: 0.03%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-31 11:03:32

End at: 2018-05-31 11:04:02

Local clock offset: -0.529 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-05-31 15:33:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1245.00 Mbit/s

95th percentile per-packet one-way delay: 236.157 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 647.50 Mbit/s

95th percentile per-packet one-way delay: 237.084 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 611.33 Mbit/s

95th percentile per-packet one-way delay: 236.928 ms

Loss rate: 0.47%

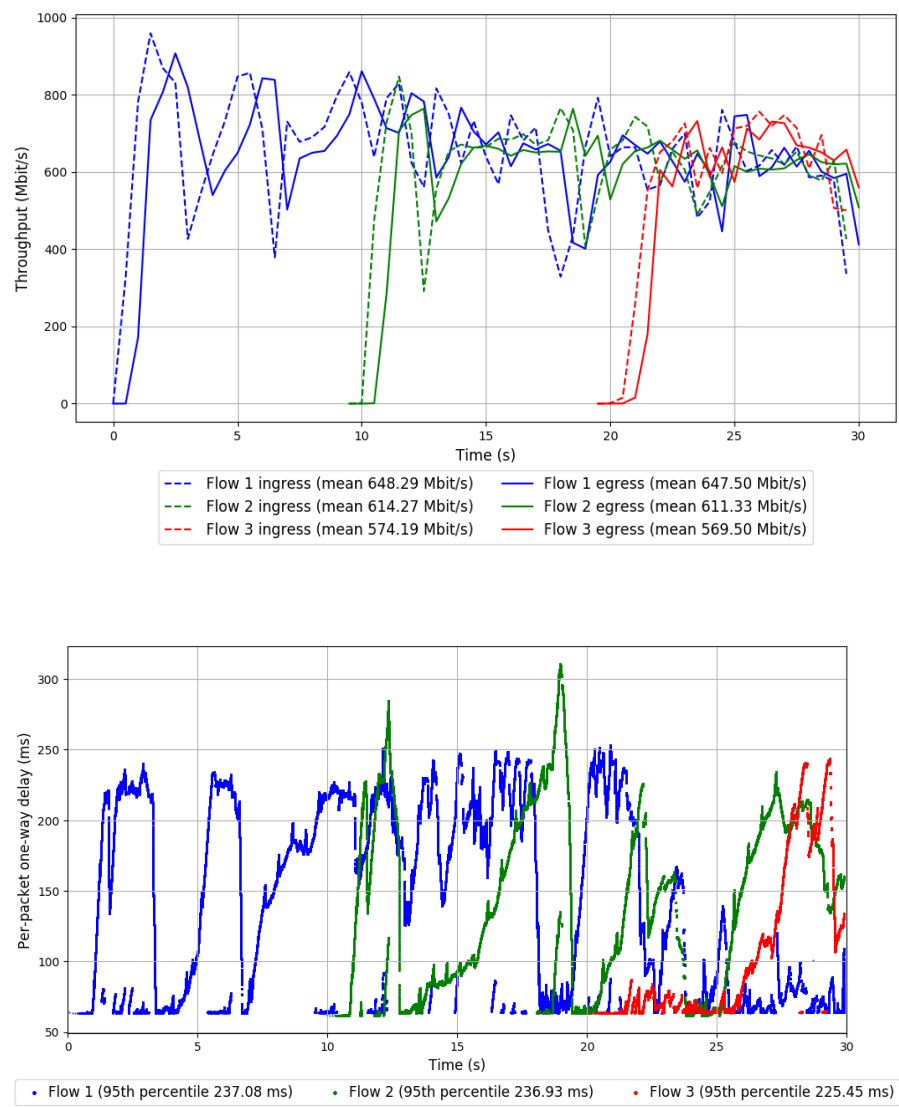
-- Flow 3:

Average throughput: 569.50 Mbit/s

95th percentile per-packet one-way delay: 225.446 ms

Loss rate: 0.83%

Run 1: Report of FillP — Data Link

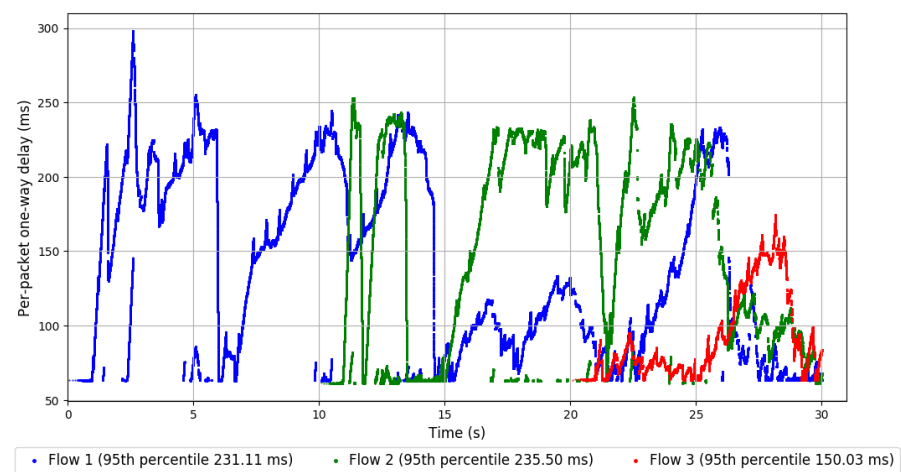
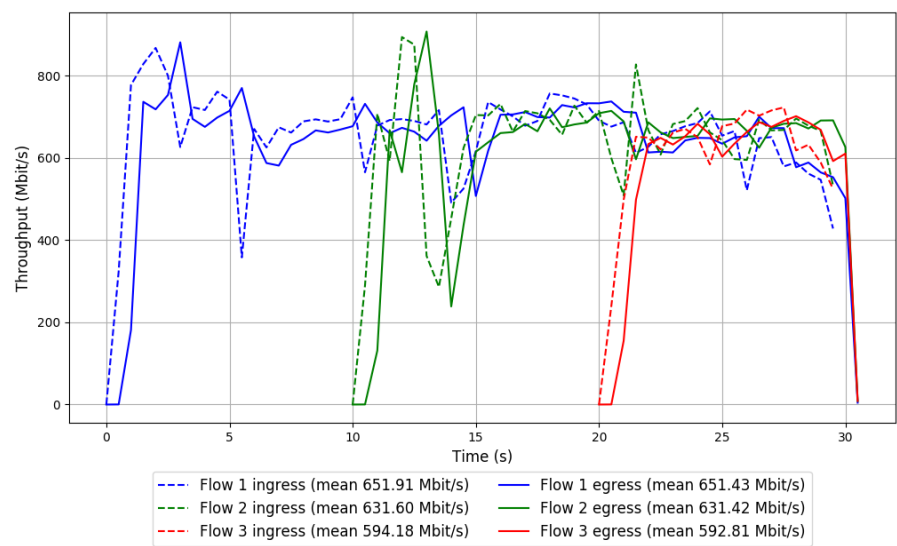


Run 2: Statistics of FillP

Start at: 2018-05-31 11:25:41
End at: 2018-05-31 11:26:11
Local clock offset: -0.459 ms
Remote clock offset: -0.458 ms

Below is generated by plot.py at 2018-05-31 15:33:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1268.37 Mbit/s
95th percentile per-packet one-way delay: 231.658 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 651.43 Mbit/s
95th percentile per-packet one-way delay: 231.114 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 631.42 Mbit/s
95th percentile per-packet one-way delay: 235.500 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 592.81 Mbit/s
95th percentile per-packet one-way delay: 150.027 ms
Loss rate: 0.23%

Run 2: Report of FillP — Data Link

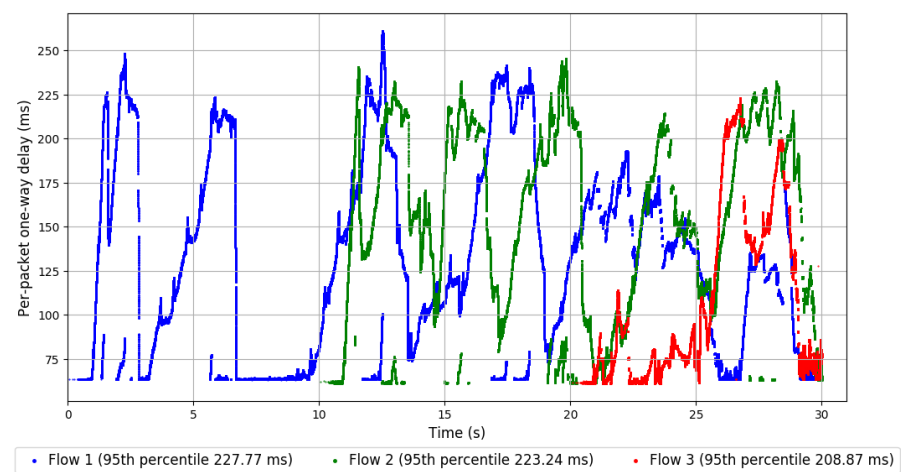
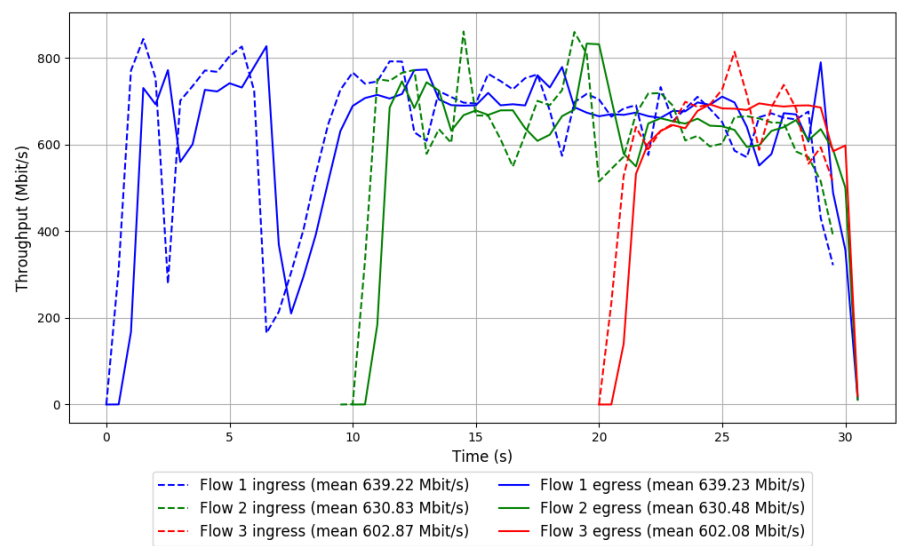


Run 3: Statistics of FillP

Start at: 2018-05-31 11:48:29
End at: 2018-05-31 11:48:59
Local clock offset: 0.124 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-05-31 15:34:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1258.84 Mbit/s
95th percentile per-packet one-way delay: 223.986 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 639.23 Mbit/s
95th percentile per-packet one-way delay: 227.771 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 630.48 Mbit/s
95th percentile per-packet one-way delay: 223.241 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 602.08 Mbit/s
95th percentile per-packet one-way delay: 208.870 ms
Loss rate: 0.12%

Run 3: Report of FillP — Data Link

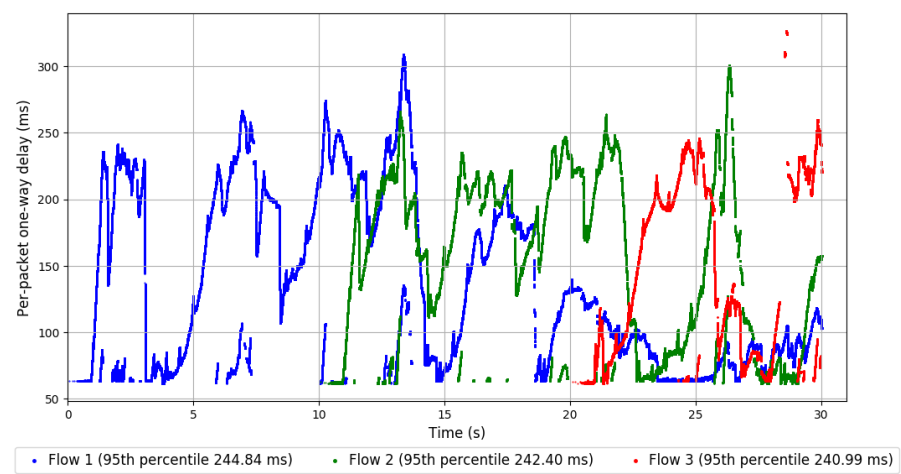
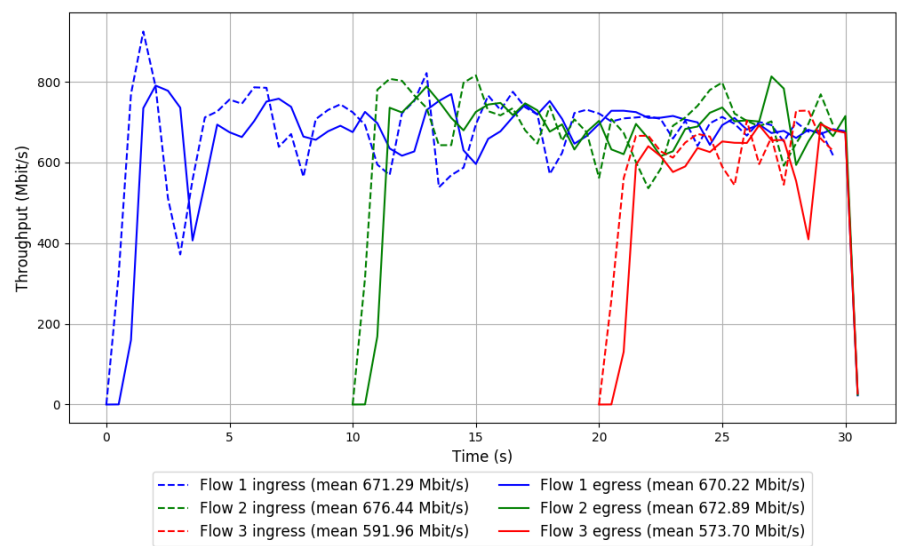


Run 4: Statistics of FillP

Start at: 2018-05-31 12:11:11
End at: 2018-05-31 12:11:41
Local clock offset: 0.041 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-05-31 15:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 1308.55 Mbit/s
95th percentile per-packet one-way delay: 242.878 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 670.22 Mbit/s
95th percentile per-packet one-way delay: 244.845 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 672.89 Mbit/s
95th percentile per-packet one-way delay: 242.395 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 573.70 Mbit/s
95th percentile per-packet one-way delay: 240.993 ms
Loss rate: 3.06%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-31 12:34:01

End at: 2018-05-31 12:34:31

Local clock offset: 0.021 ms

Remote clock offset: -0.26 ms

Below is generated by plot.py at 2018-05-31 15:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1288.59 Mbit/s

95th percentile per-packet one-way delay: 229.178 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 664.14 Mbit/s

95th percentile per-packet one-way delay: 234.338 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 646.59 Mbit/s

95th percentile per-packet one-way delay: 226.720 ms

Loss rate: 0.09%

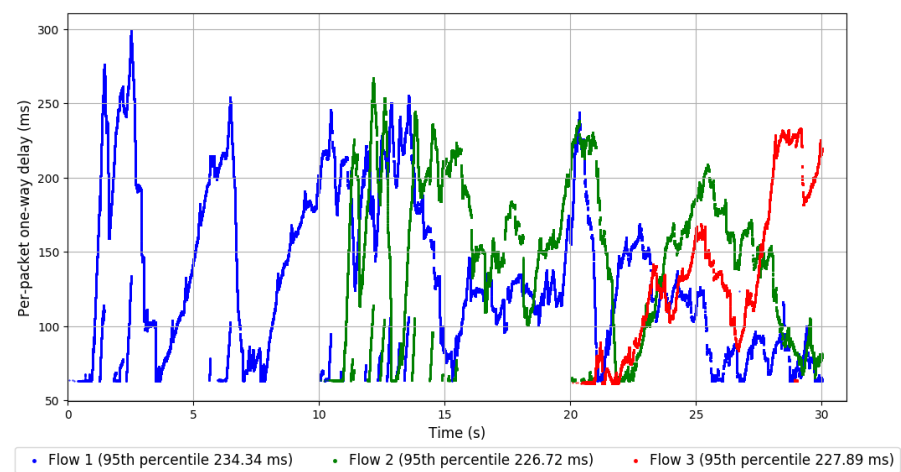
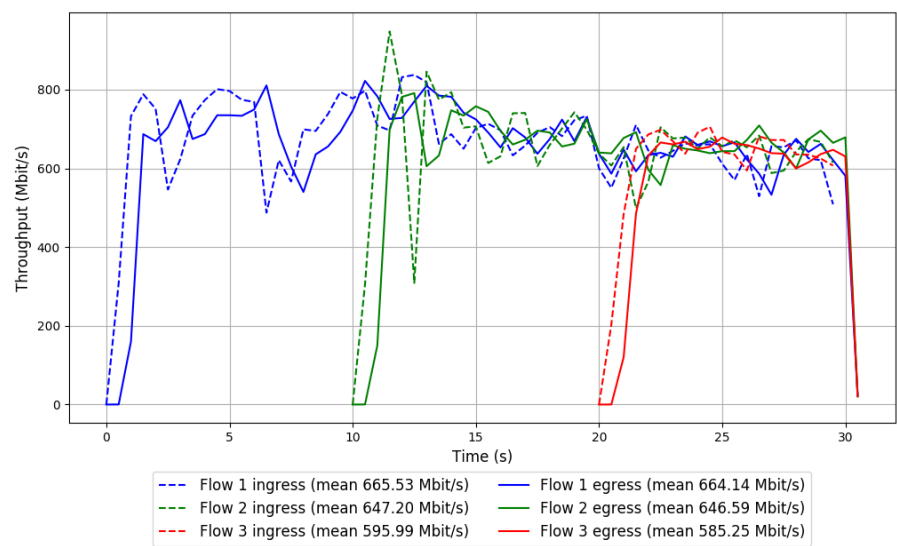
-- Flow 3:

Average throughput: 585.25 Mbit/s

95th percentile per-packet one-way delay: 227.891 ms

Loss rate: 1.78%

Run 5: Report of FillP — Data Link

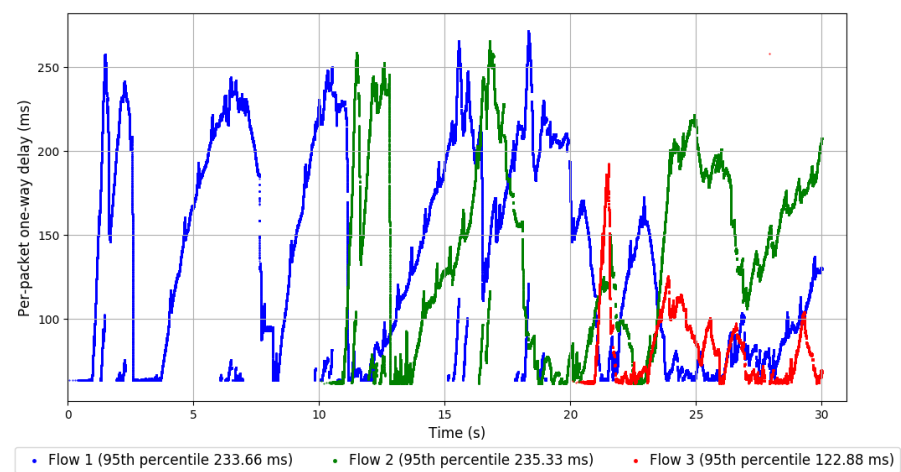
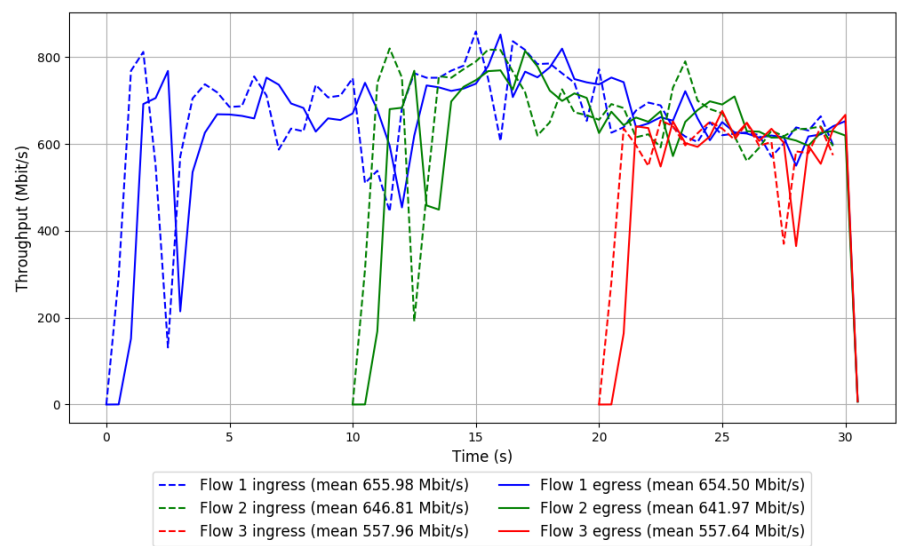


Run 6: Statistics of FillP

Start at: 2018-05-31 12:56:25
End at: 2018-05-31 12:56:55
Local clock offset: -0.033 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-31 15:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1266.66 Mbit/s
95th percentile per-packet one-way delay: 232.003 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 654.50 Mbit/s
95th percentile per-packet one-way delay: 233.658 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 641.97 Mbit/s
95th percentile per-packet one-way delay: 235.326 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 557.64 Mbit/s
95th percentile per-packet one-way delay: 122.878 ms
Loss rate: 0.05%

Run 6: Report of FillP — Data Link

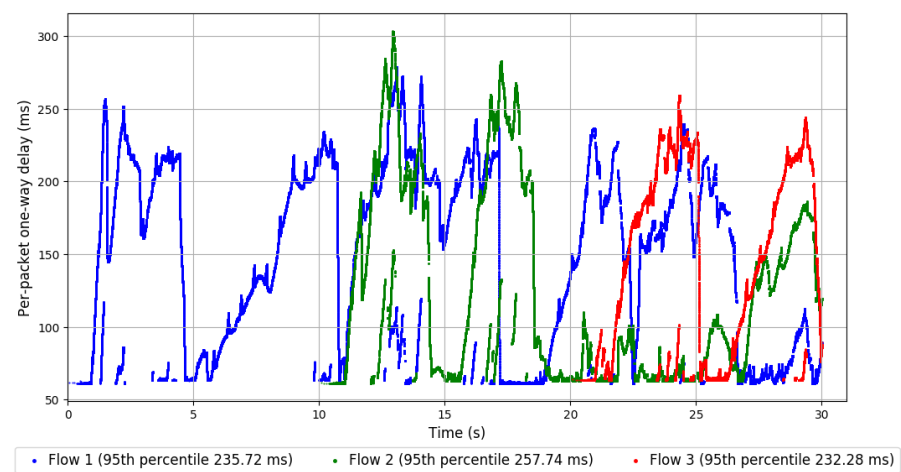
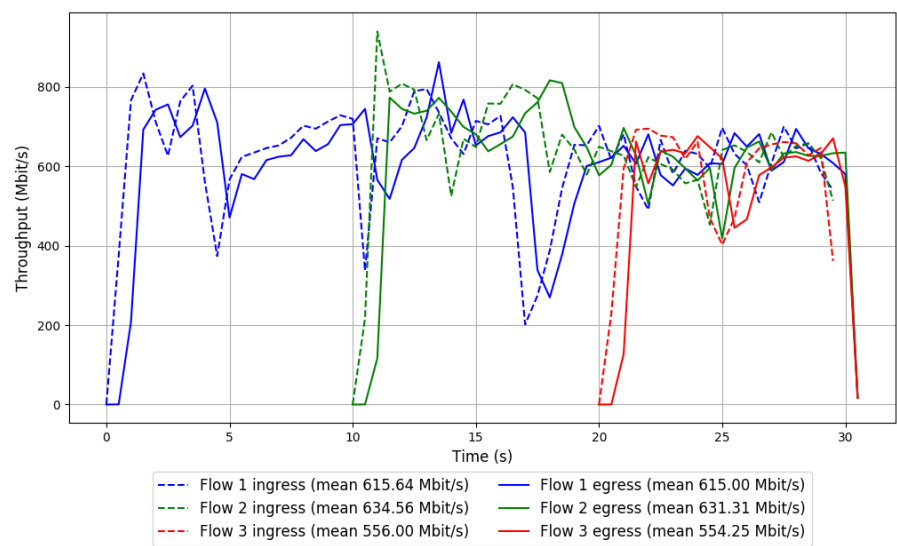


Run 7: Statistics of FillP

Start at: 2018-05-31 13:19:01
End at: 2018-05-31 13:19:31
Local clock offset: -0.009 ms
Remote clock offset: -0.234 ms

Below is generated by plot.py at 2018-05-31 15:36:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 1218.85 Mbit/s
95th percentile per-packet one-way delay: 242.136 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 615.00 Mbit/s
95th percentile per-packet one-way delay: 235.725 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 631.31 Mbit/s
95th percentile per-packet one-way delay: 257.743 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 554.25 Mbit/s
95th percentile per-packet one-way delay: 232.278 ms
Loss rate: 0.30%

Run 7: Report of FillP — Data Link

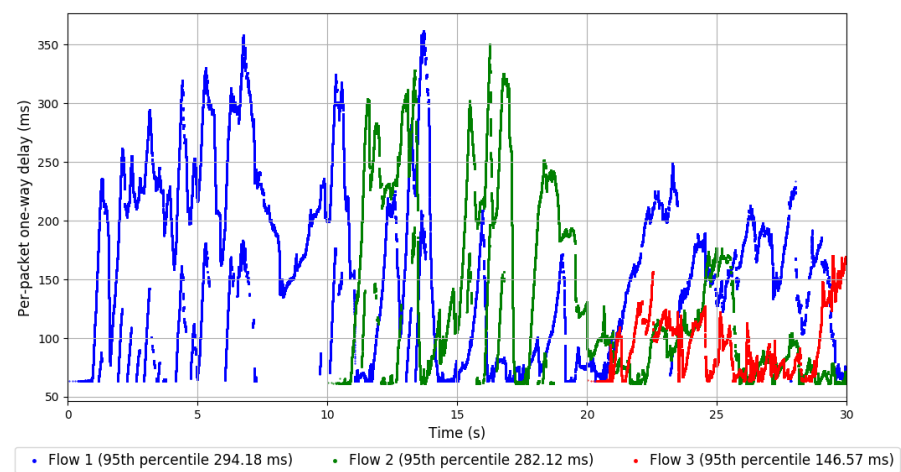
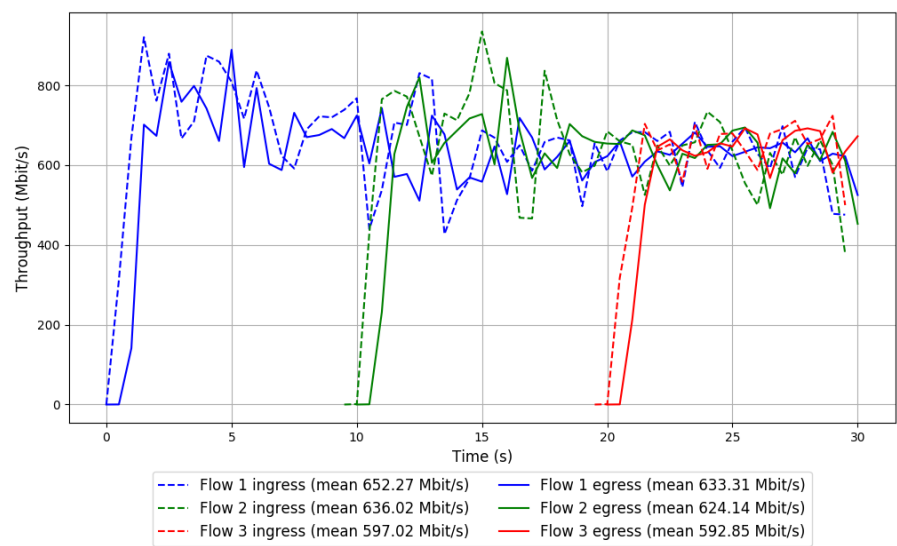


Run 8: Statistics of FillP

Start at: 2018-05-31 13:41:41
End at: 2018-05-31 13:42:11
Local clock offset: -0.03 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-31 15:38:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 1246.34 Mbit/s
95th percentile per-packet one-way delay: 283.544 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 633.31 Mbit/s
95th percentile per-packet one-way delay: 294.183 ms
Loss rate: 2.91%
-- Flow 2:
Average throughput: 624.14 Mbit/s
95th percentile per-packet one-way delay: 282.125 ms
Loss rate: 1.87%
-- Flow 3:
Average throughput: 592.85 Mbit/s
95th percentile per-packet one-way delay: 146.572 ms
Loss rate: 0.74%

Run 8: Report of FillP — Data Link

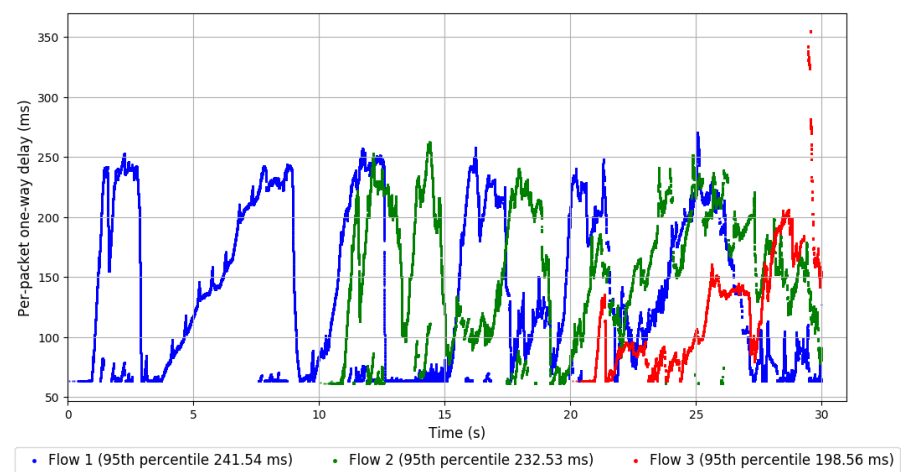
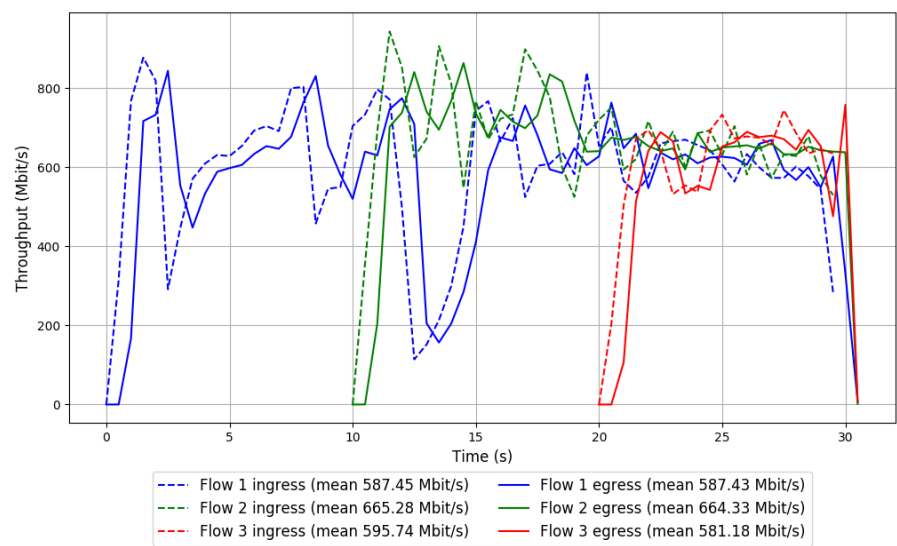


Run 9: Statistics of FillP

Start at: 2018-05-31 14:04:31
End at: 2018-05-31 14:05:01
Local clock offset: -0.009 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 1222.20 Mbit/s
95th percentile per-packet one-way delay: 238.933 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 587.43 Mbit/s
95th percentile per-packet one-way delay: 241.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 664.33 Mbit/s
95th percentile per-packet one-way delay: 232.531 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 581.18 Mbit/s
95th percentile per-packet one-way delay: 198.563 ms
Loss rate: 2.40%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-31 14:27:15

End at: 2018-05-31 14:27:45

Local clock offset: 0.033 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 1198.78 Mbit/s

95th percentile per-packet one-way delay: 239.507 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 635.65 Mbit/s

95th percentile per-packet one-way delay: 238.500 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 558.21 Mbit/s

95th percentile per-packet one-way delay: 243.879 ms

Loss rate: 0.89%

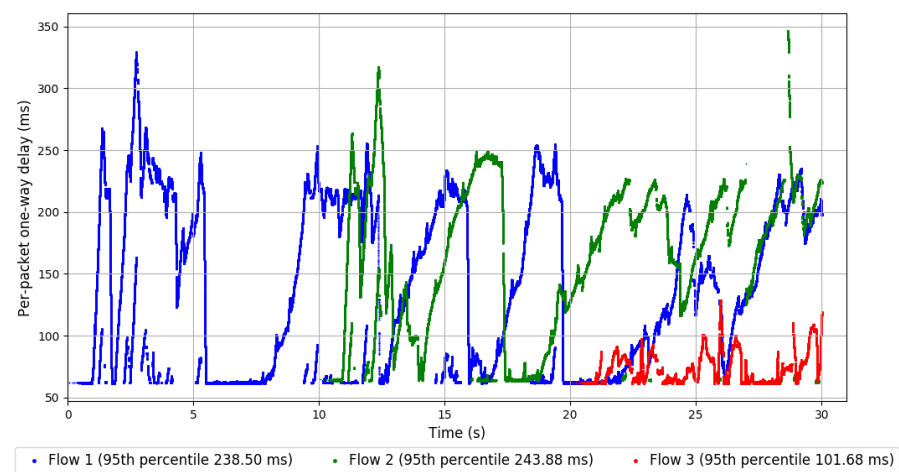
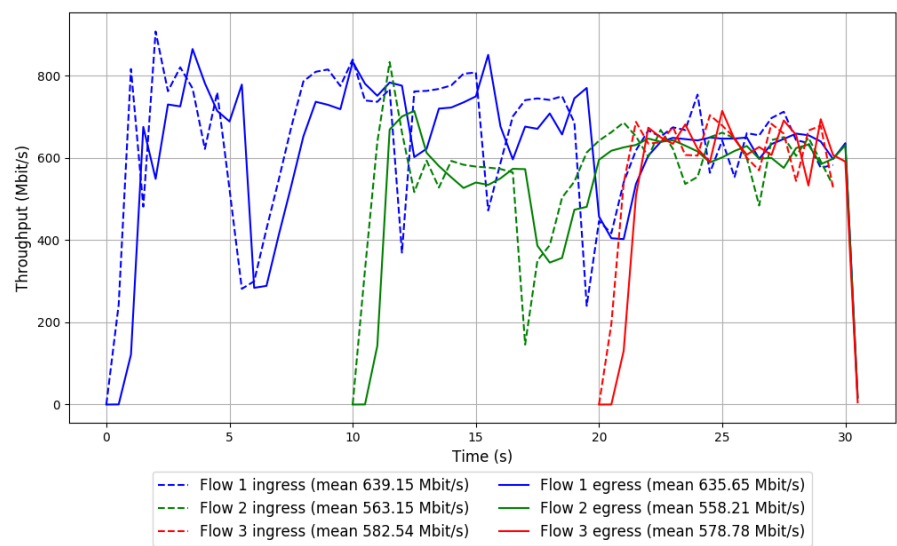
-- Flow 3:

Average throughput: 578.78 Mbit/s

95th percentile per-packet one-way delay: 101.676 ms

Loss rate: 0.64%

Run 10: Report of FillP — Data Link

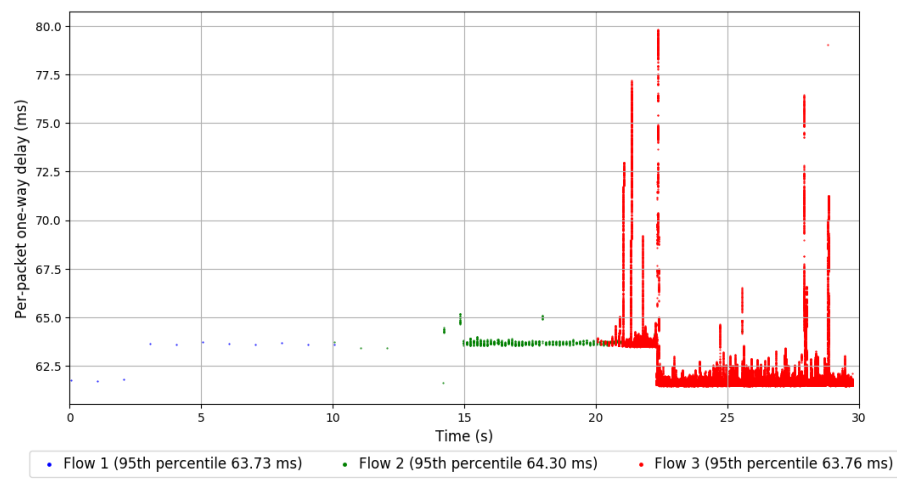
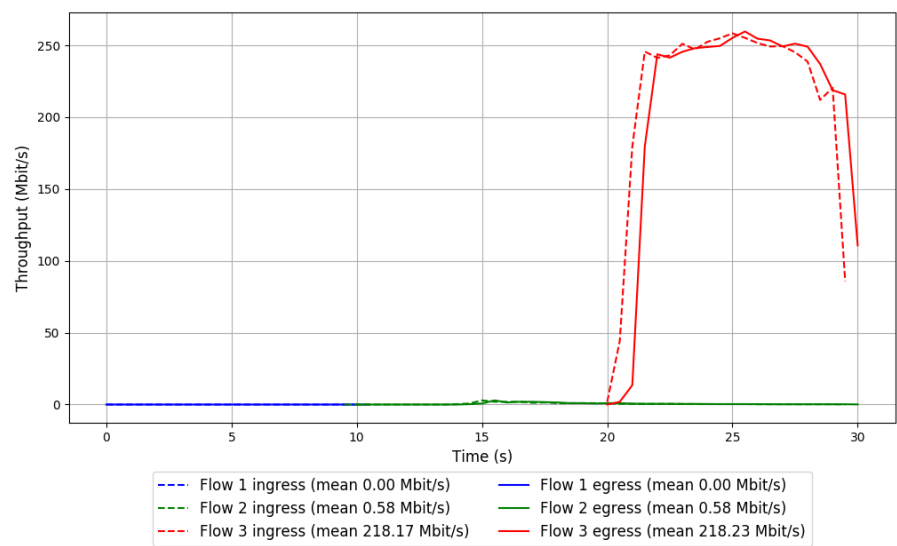


Run 1: Statistics of Indigo

Start at: 2018-05-31 11:05:32
End at: 2018-05-31 11:06:02
Local clock offset: -0.52 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.57 Mbit/s
95th percentile per-packet one-way delay: 63.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 63.733 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 64.295 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 218.23 Mbit/s
95th percentile per-packet one-way delay: 63.755 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

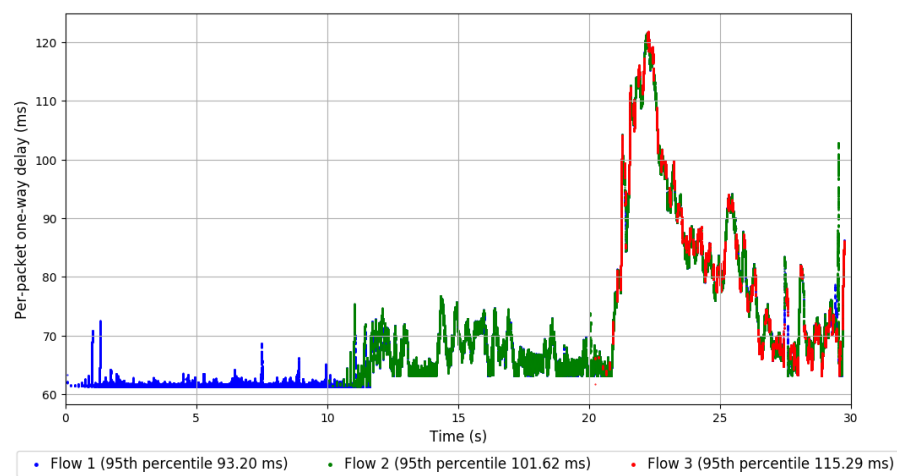
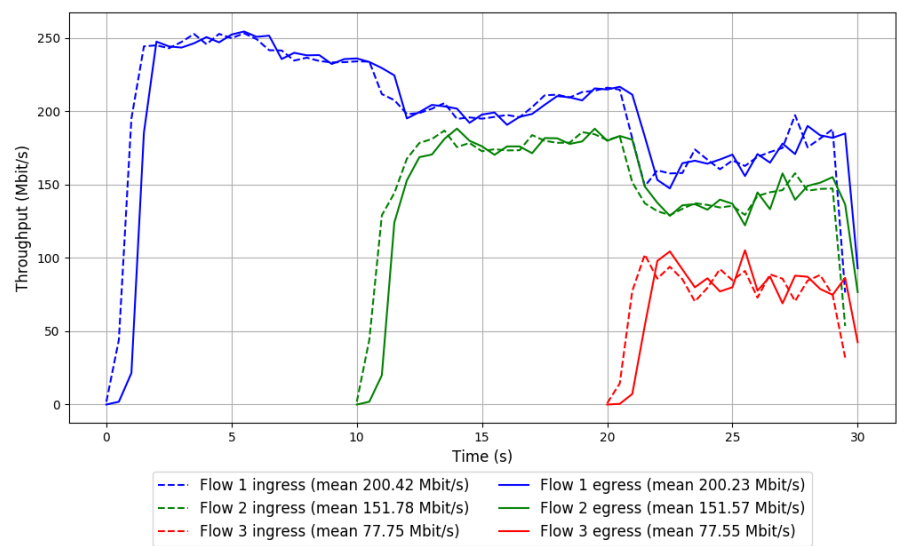


Run 2: Statistics of Indigo

Start at: 2018-05-31 11:27:42
End at: 2018-05-31 11:28:12
Local clock offset: -0.309 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 325.59 Mbit/s
95th percentile per-packet one-way delay: 100.114 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 200.23 Mbit/s
95th percentile per-packet one-way delay: 93.203 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 151.57 Mbit/s
95th percentile per-packet one-way delay: 101.624 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 115.293 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-31 11:50:29

End at: 2018-05-31 11:50:59

Local clock offset: 0.083 ms

Remote clock offset: 0.249 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 343.12 Mbit/s

95th percentile per-packet one-way delay: 87.272 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 201.75 Mbit/s

95th percentile per-packet one-way delay: 84.861 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 170.20 Mbit/s

95th percentile per-packet one-way delay: 88.027 ms

Loss rate: 0.13%

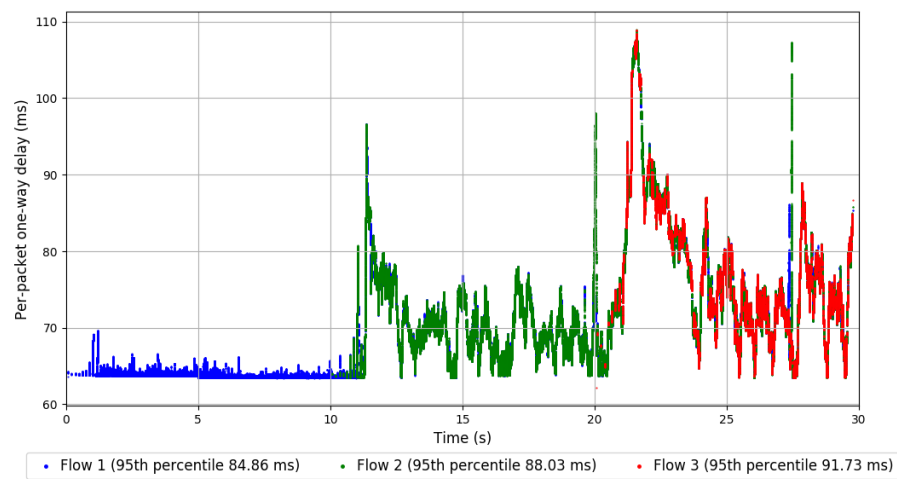
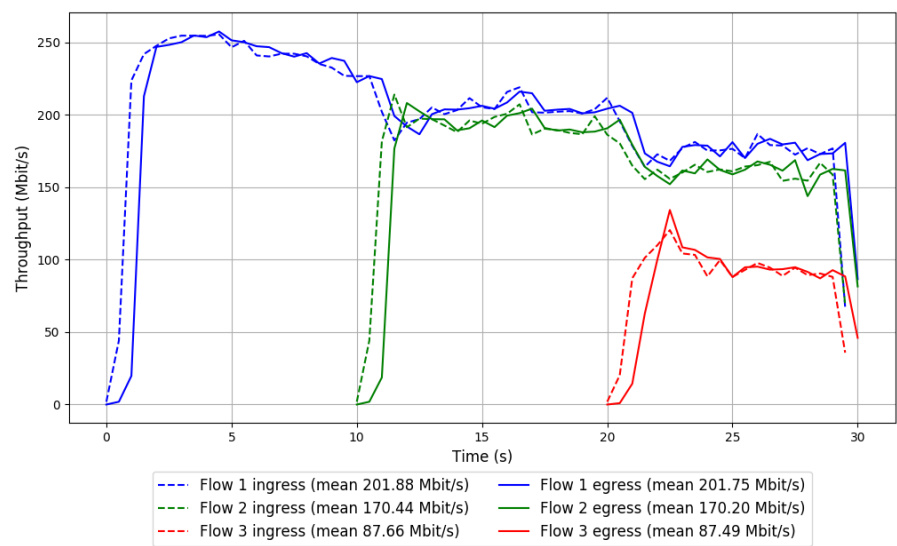
-- Flow 3:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 91.730 ms

Loss rate: 0.12%

Run 3: Report of Indigo — Data Link

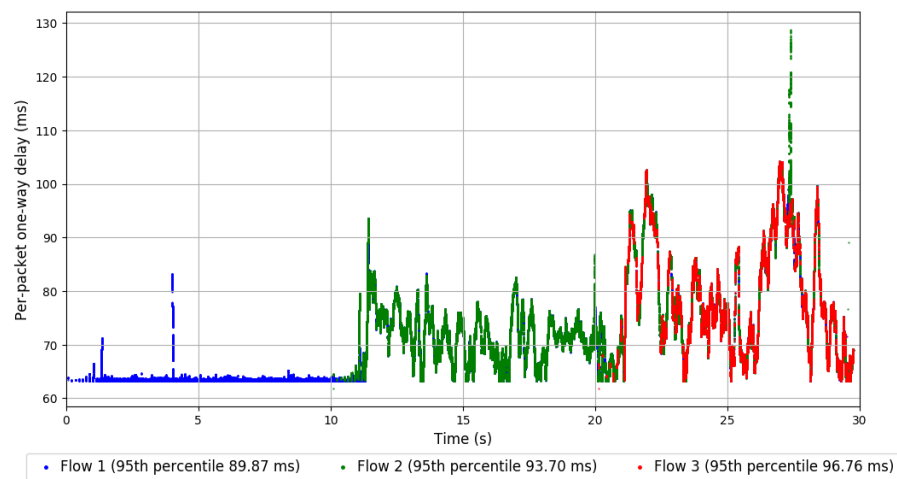
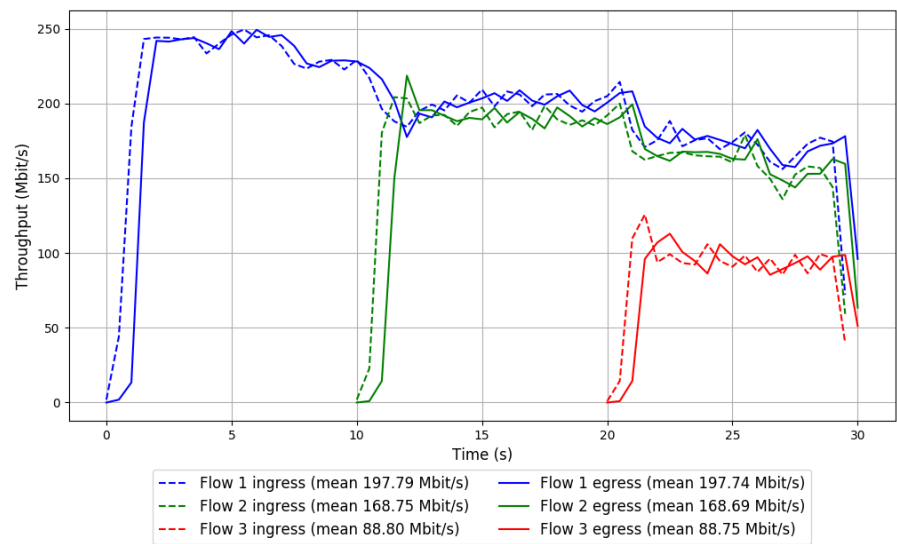


Run 4: Statistics of Indigo

Start at: 2018-05-31 12:13:14
End at: 2018-05-31 12:13:44
Local clock offset: 0.022 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 338.11 Mbit/s
95th percentile per-packet one-way delay: 92.815 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 197.74 Mbit/s
95th percentile per-packet one-way delay: 89.867 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 168.69 Mbit/s
95th percentile per-packet one-way delay: 93.704 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 88.75 Mbit/s
95th percentile per-packet one-way delay: 96.761 ms
Loss rate: 0.04%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-05-31 12:36:03

End at: 2018-05-31 12:36:33

Local clock offset: -0.053 ms

Remote clock offset: -0.32 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 341.34 Mbit/s

95th percentile per-packet one-way delay: 86.090 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 193.59 Mbit/s

95th percentile per-packet one-way delay: 81.119 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 179.10 Mbit/s

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

Loss rate: 0.08%

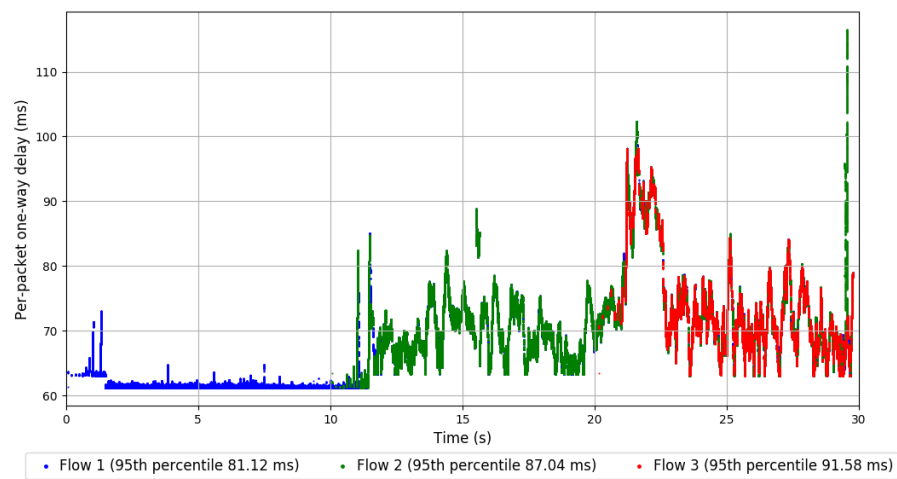
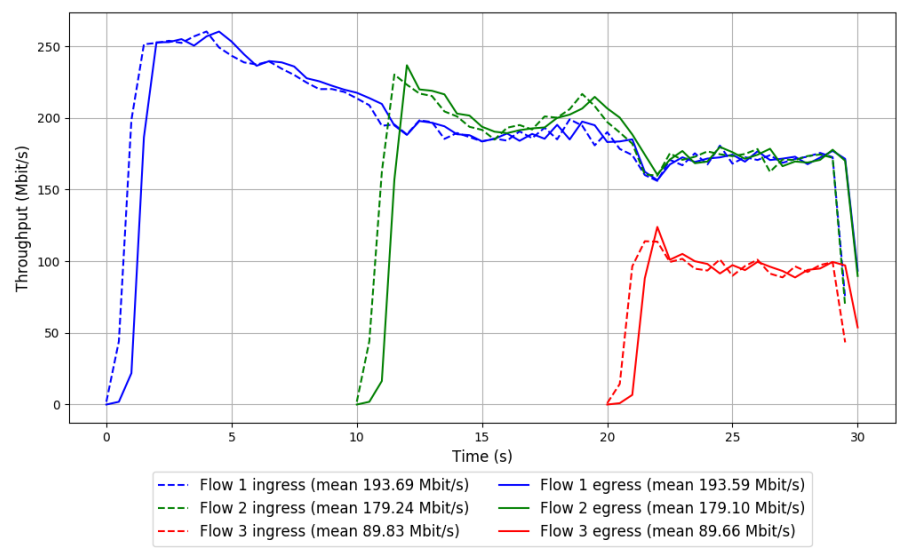
-- Flow 3:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 91.578 ms

Loss rate: 0.19%

Run 5: Report of Indigo — Data Link

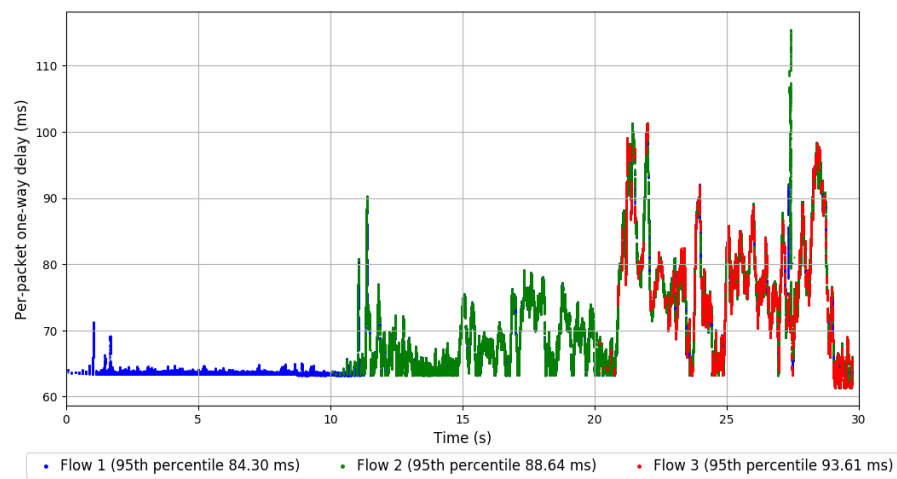
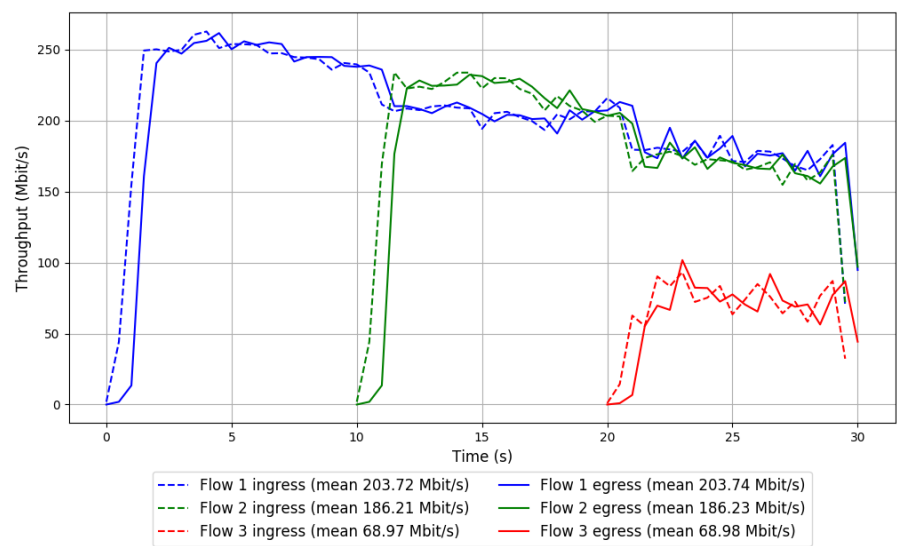


Run 6: Statistics of Indigo

Start at: 2018-05-31 12:58:26
End at: 2018-05-31 12:58:56
Local clock offset: -0.041 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.40 Mbit/s
95th percentile per-packet one-way delay: 87.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.74 Mbit/s
95th percentile per-packet one-way delay: 84.301 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.23 Mbit/s
95th percentile per-packet one-way delay: 88.637 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 93.607 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-31 13:21:00

End at: 2018-05-31 13:21:30

Local clock offset: 0.004 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 326.11 Mbit/s

95th percentile per-packet one-way delay: 99.035 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 194.68 Mbit/s

95th percentile per-packet one-way delay: 91.260 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 161.27 Mbit/s

95th percentile per-packet one-way delay: 106.065 ms

Loss rate: 0.04%

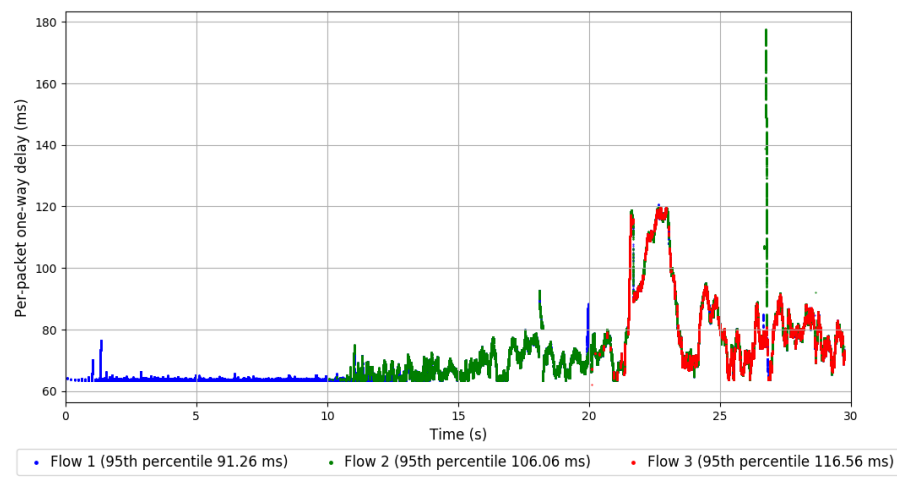
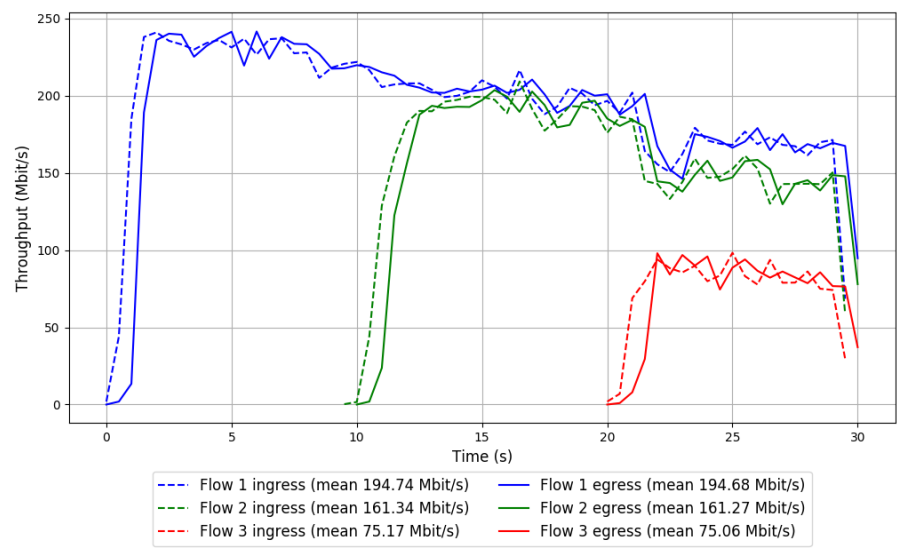
-- Flow 3:

Average throughput: 75.06 Mbit/s

95th percentile per-packet one-way delay: 116.560 ms

Loss rate: 0.15%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-31 13:43:44

End at: 2018-05-31 13:44:14

Local clock offset: -0.012 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.56 Mbit/s

95th percentile per-packet one-way delay: 96.285 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 198.37 Mbit/s

95th percentile per-packet one-way delay: 93.967 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 174.18 Mbit/s

95th percentile per-packet one-way delay: 96.800 ms

Loss rate: 0.04%

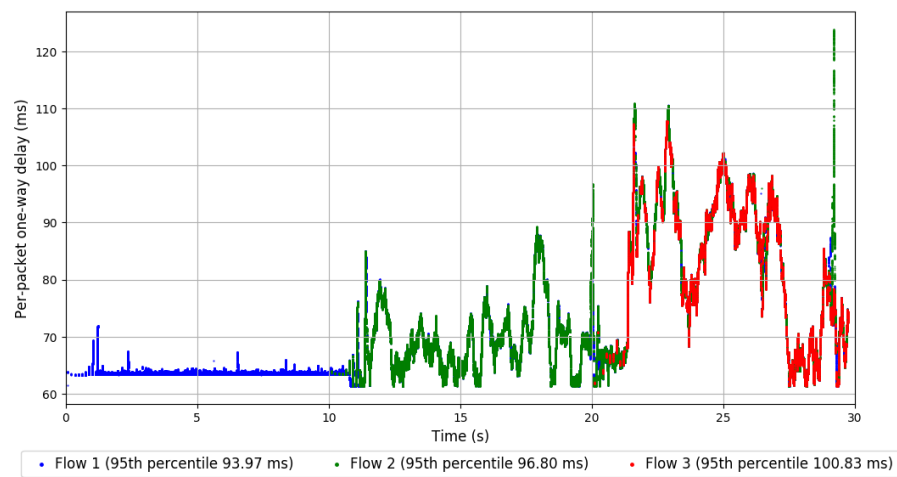
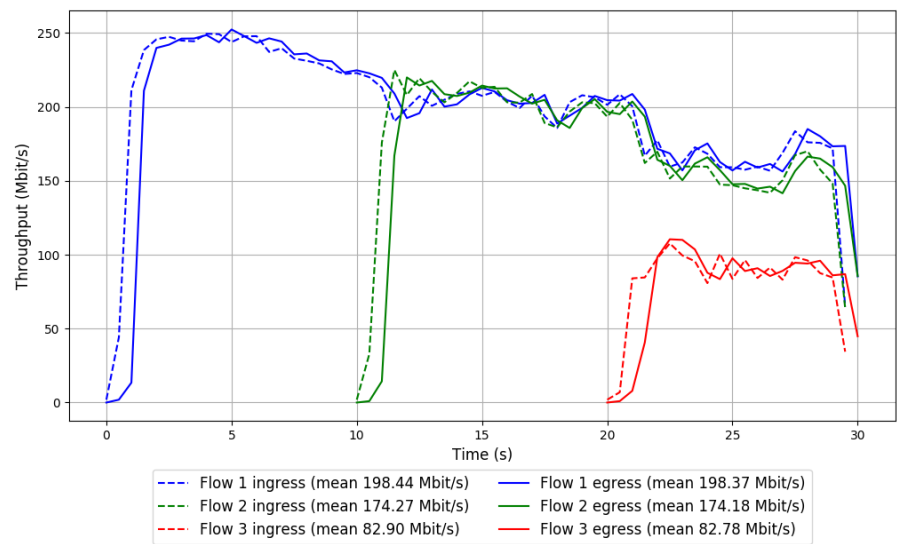
-- Flow 3:

Average throughput: 82.78 Mbit/s

95th percentile per-packet one-way delay: 100.825 ms

Loss rate: 0.09%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-05-31 14:06:30

End at: 2018-05-31 14:07:00

Local clock offset: 0.012 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 327.67 Mbit/s

95th percentile per-packet one-way delay: 91.799 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 186.87 Mbit/s

95th percentile per-packet one-way delay: 88.565 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 164.93 Mbit/s

95th percentile per-packet one-way delay: 92.486 ms

Loss rate: 0.14%

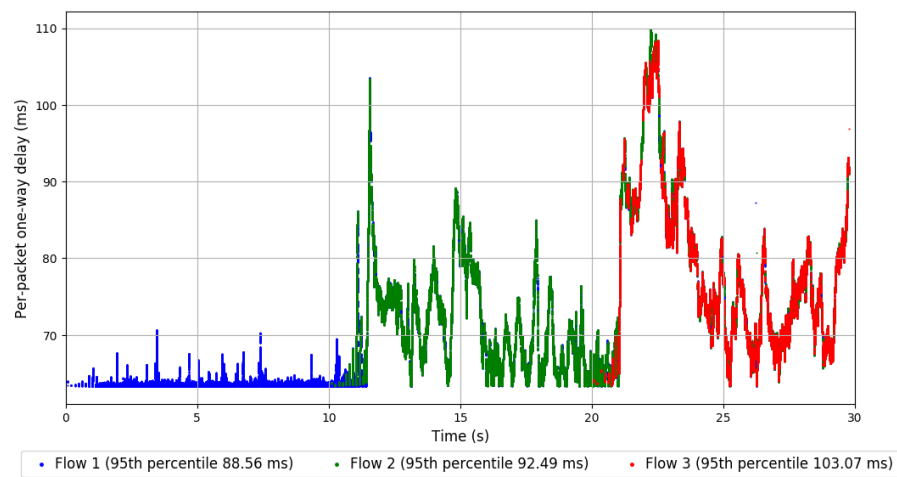
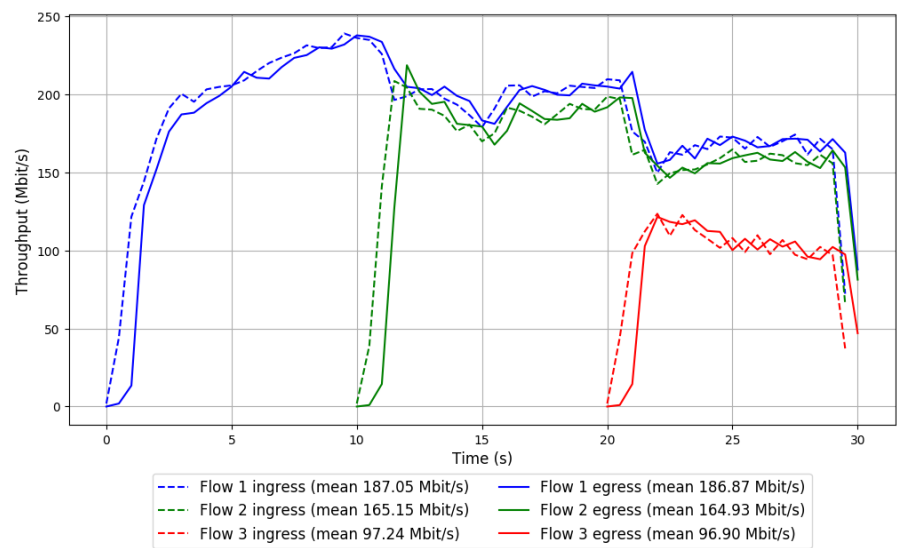
-- Flow 3:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 103.070 ms

Loss rate: 0.23%

Run 9: Report of Indigo — Data Link

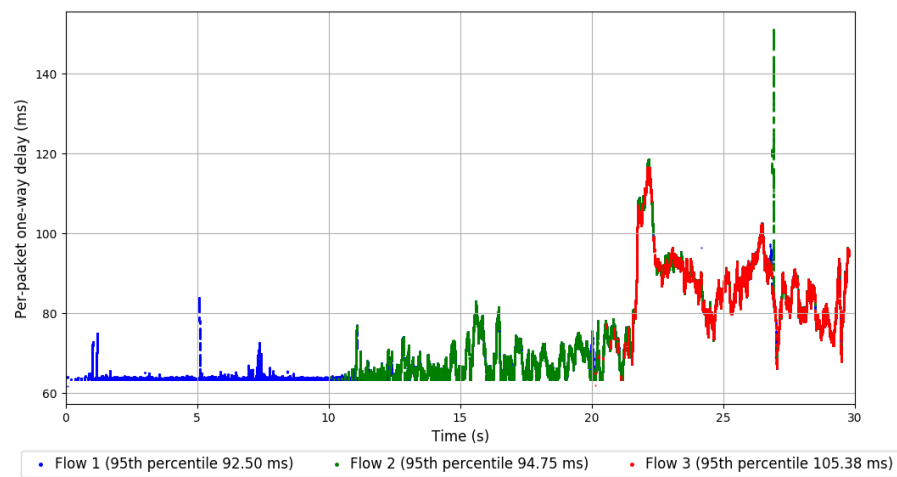
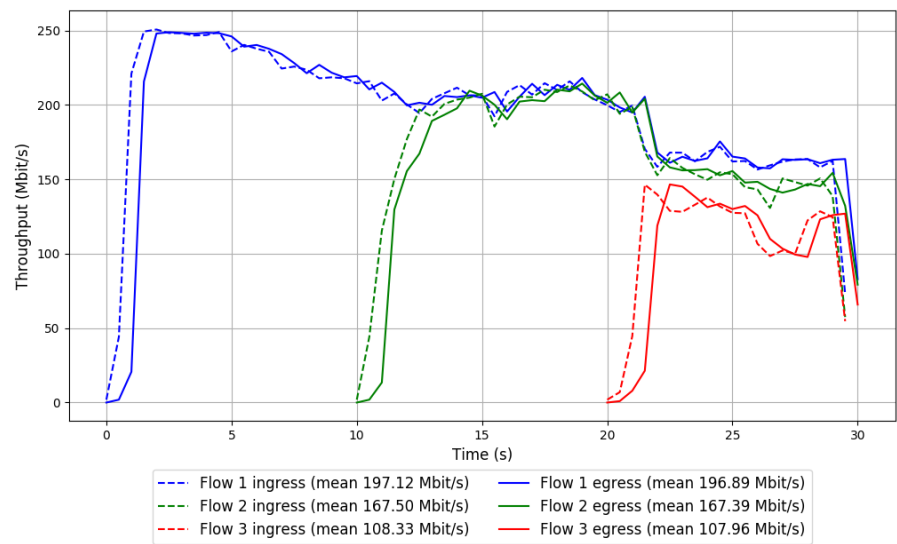


Run 10: Statistics of Indigo

Start at: 2018-05-31 14:29:13
End at: 2018-05-31 14:29:43
Local clock offset: -0.026 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.91 Mbit/s
95th percentile per-packet one-way delay: 94.170 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 196.89 Mbit/s
95th percentile per-packet one-way delay: 92.501 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 167.39 Mbit/s
95th percentile per-packet one-way delay: 94.747 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 107.96 Mbit/s
95th percentile per-packet one-way delay: 105.382 ms
Loss rate: 0.32%

Run 10: Report of Indigo — Data Link

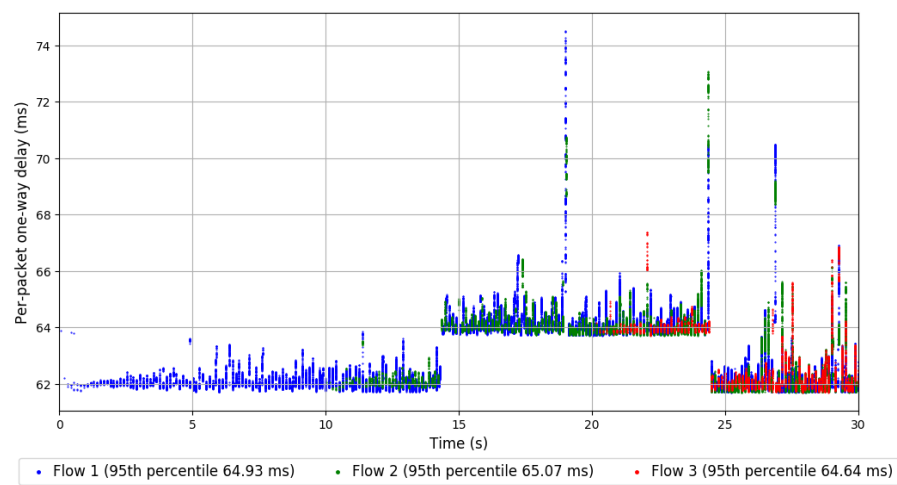
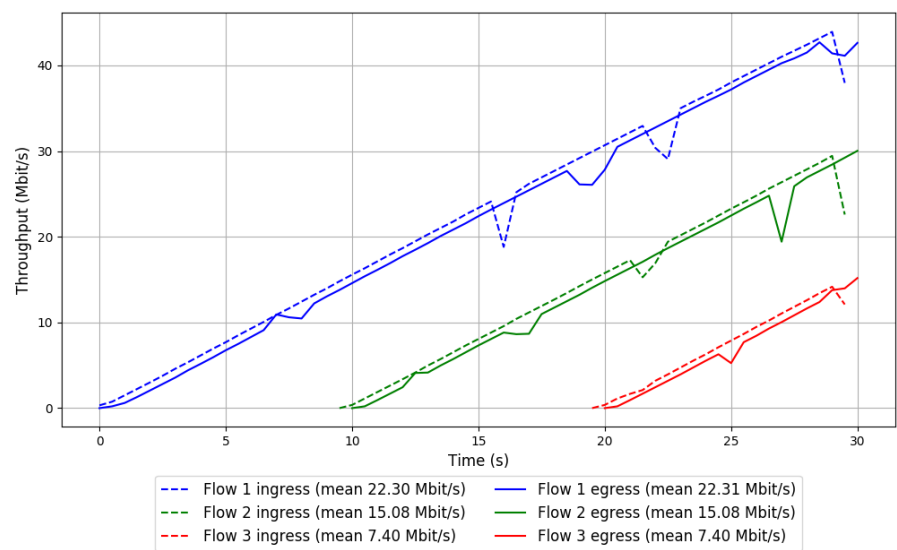


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-31 11:02:20
End at: 2018-05-31 11:02:50
Local clock offset: -0.483 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-05-31 15:59:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 64.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.31 Mbit/s
95th percentile per-packet one-way delay: 64.927 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 65.071 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.40 Mbit/s
95th percentile per-packet one-way delay: 64.638 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

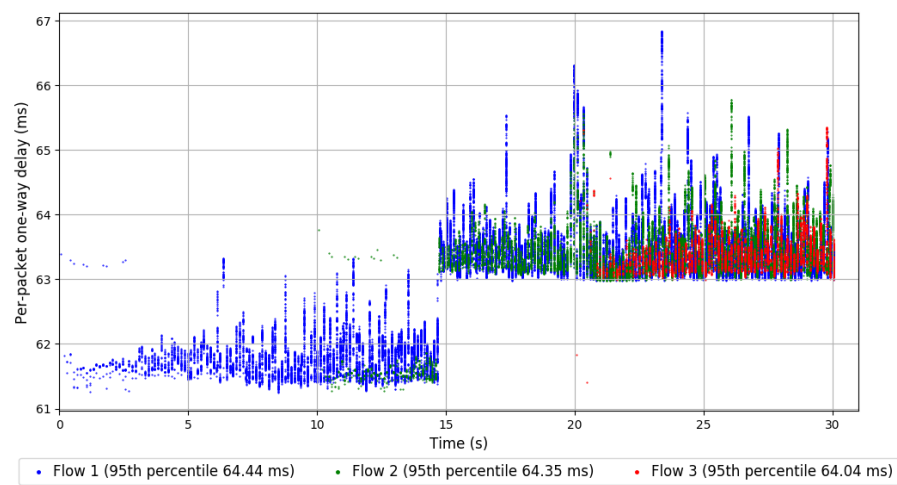
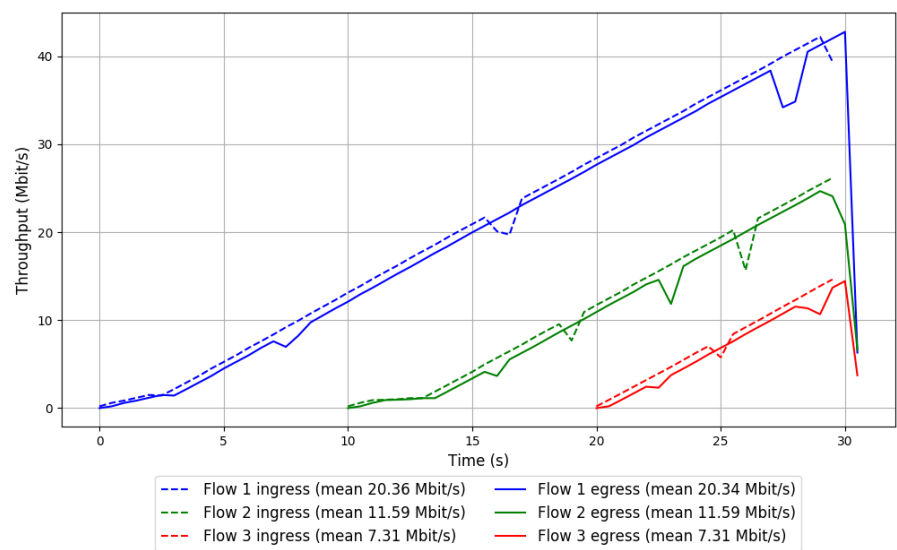


Run 2: Statistics of LEDBAT

Start at: 2018-05-31 11:24:30
End at: 2018-05-31 11:25:00
Local clock offset: -0.508 ms
Remote clock offset: -0.307 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 30.47 Mbit/s
95th percentile per-packet one-way delay: 64.371 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 64.442 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 11.59 Mbit/s
95th percentile per-packet one-way delay: 64.348 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

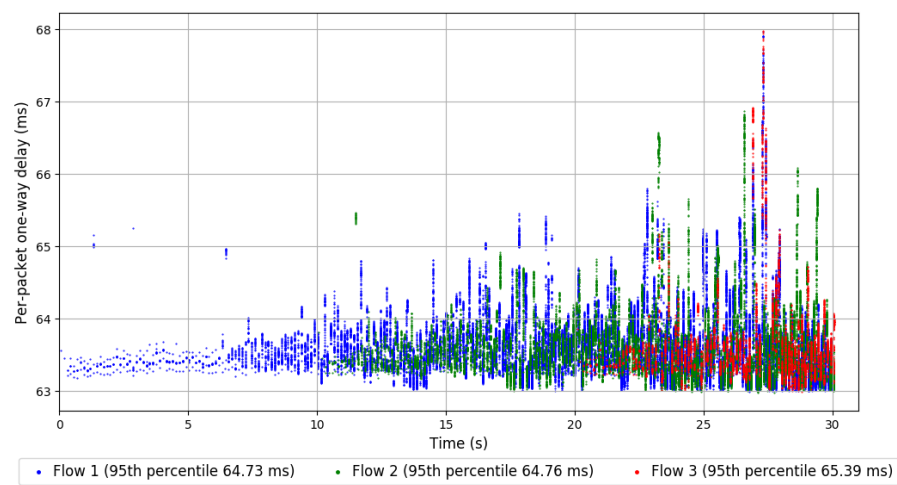
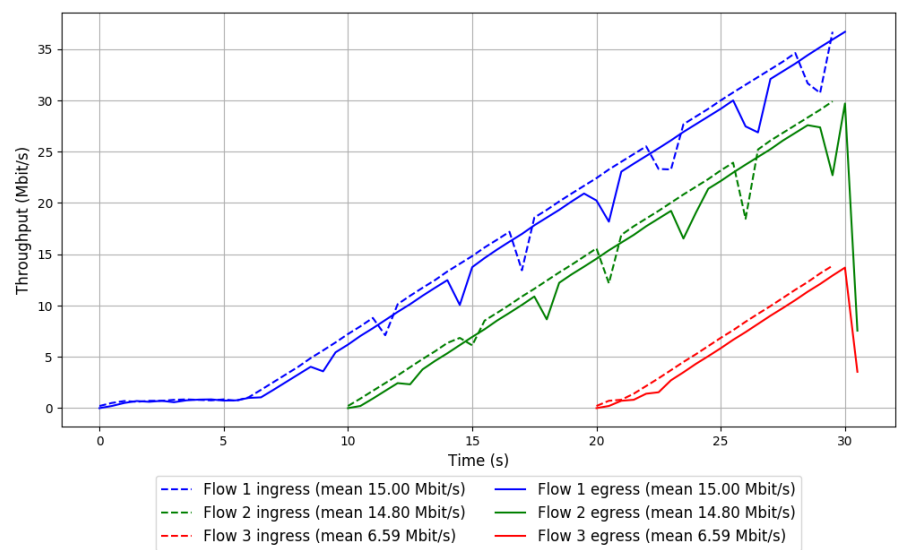


Run 3: Statistics of LEDBAT

Start at: 2018-05-31 11:47:18
End at: 2018-05-31 11:47:48
Local clock offset: 0.057 ms
Remote clock offset: -0.218 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 64.757 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.00 Mbit/s
95th percentile per-packet one-way delay: 64.727 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 64.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.59 Mbit/s
95th percentile per-packet one-way delay: 65.389 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

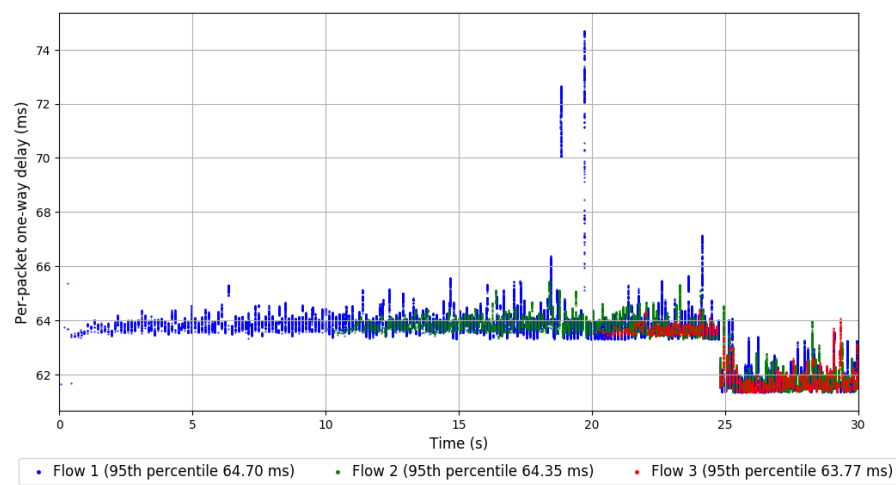
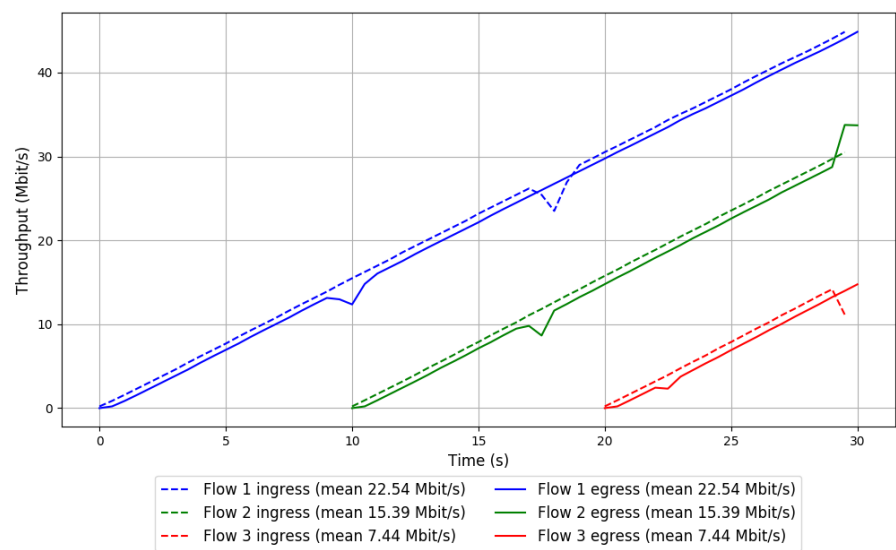


Run 4: Statistics of LEDBAT

Start at: 2018-05-31 12:10:00
End at: 2018-05-31 12:10:30
Local clock offset: 0.083 ms
Remote clock offset: -0.113 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 35.20 Mbit/s
95th percentile per-packet one-way delay: 64.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 64.704 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 64.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: 63.769 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-31 12:32:50

End at: 2018-05-31 12:33:20

Local clock offset: 0.034 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 29.47 Mbit/s

95th percentile per-packet one-way delay: 63.674 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.97 Mbit/s

95th percentile per-packet one-way delay: 63.790 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.00 Mbit/s

95th percentile per-packet one-way delay: 63.298 ms

Loss rate: 0.00%

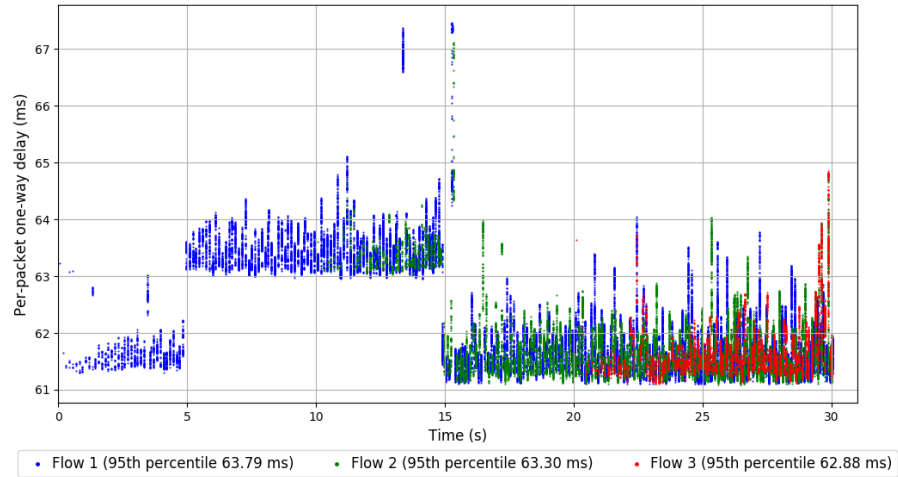
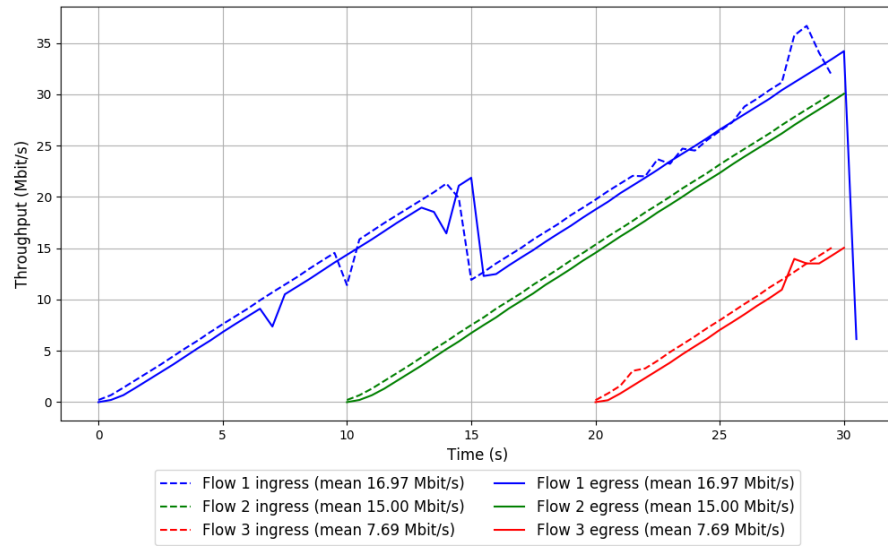
-- Flow 3:

Average throughput: 7.69 Mbit/s

95th percentile per-packet one-way delay: 62.880 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

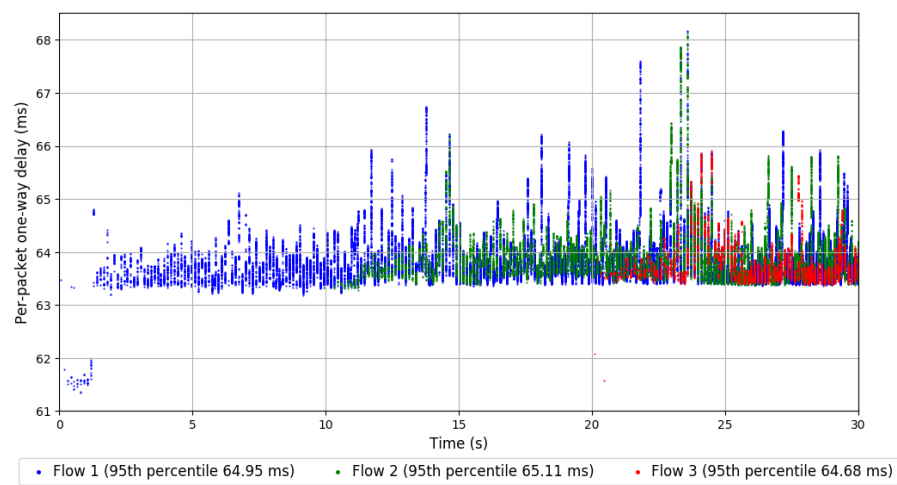
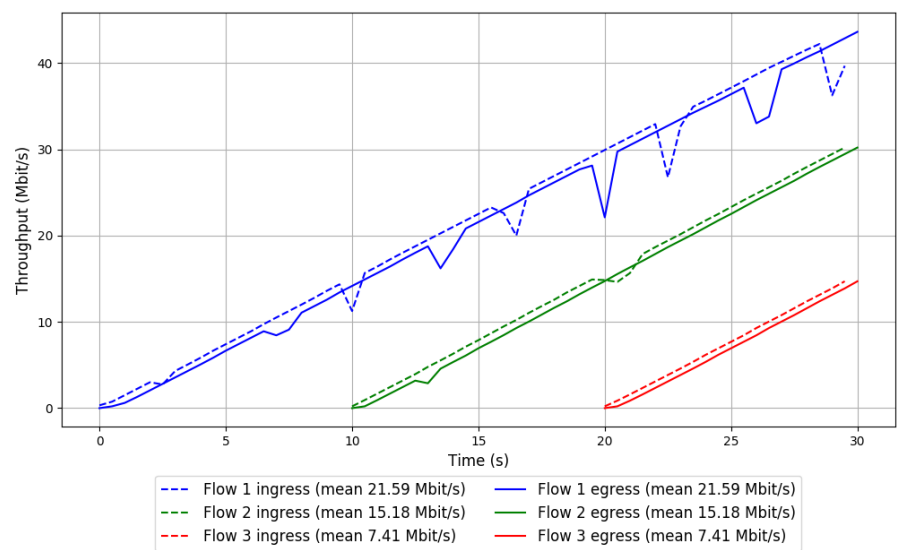


Run 6: Statistics of LEDBAT

Start at: 2018-05-31 12:55:13
End at: 2018-05-31 12:55:43
Local clock offset: -0.016 ms
Remote clock offset: -0.137 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 64.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 21.59 Mbit/s
95th percentile per-packet one-way delay: 64.949 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 65.108 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 64.684 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

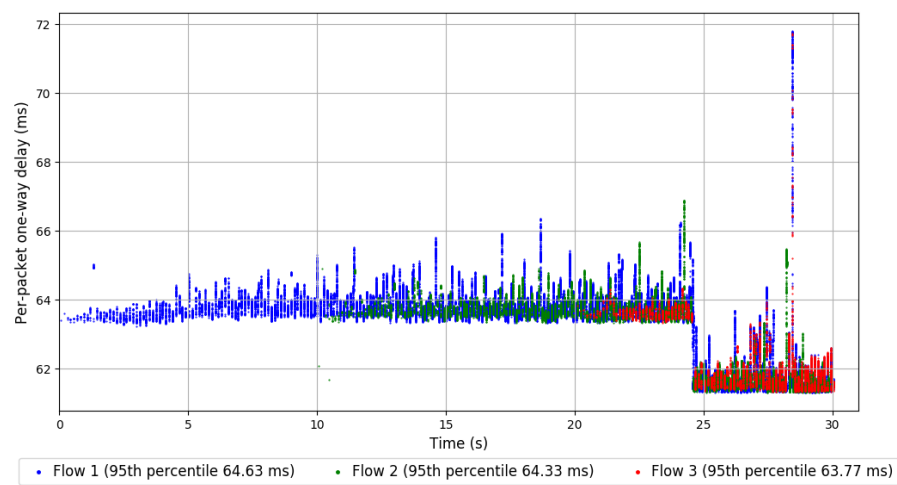
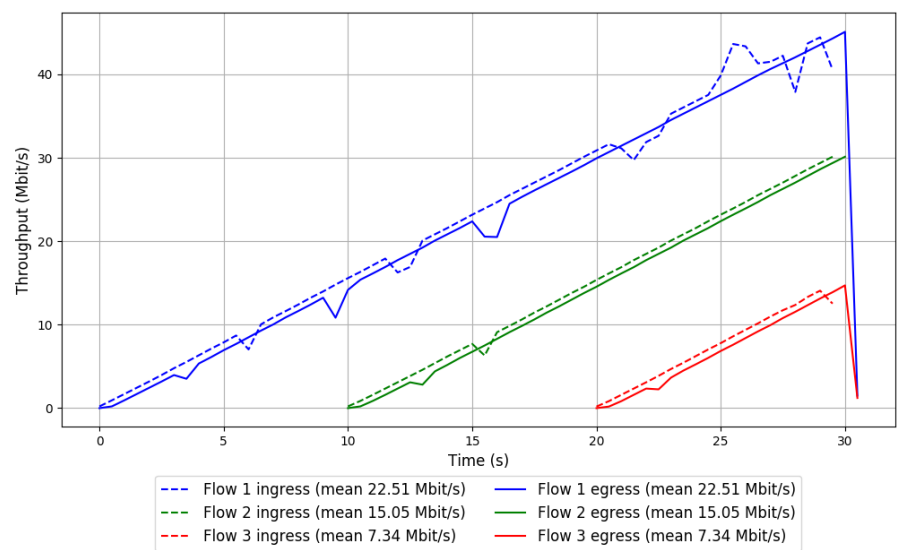


Run 7: Statistics of LEDBAT

Start at: 2018-05-31 13:17:50
End at: 2018-05-31 13:18:20
Local clock offset: 0.017 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.94 Mbit/s
95th percentile per-packet one-way delay: 64.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: 64.633 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 64.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 63.768 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-31 13:40:30

End at: 2018-05-31 13:41:00

Local clock offset: 0.02 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.38 Mbit/s

95th percentile per-packet one-way delay: 64.121 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 64.063 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.16 Mbit/s

95th percentile per-packet one-way delay: 64.311 ms

Loss rate: 0.00%

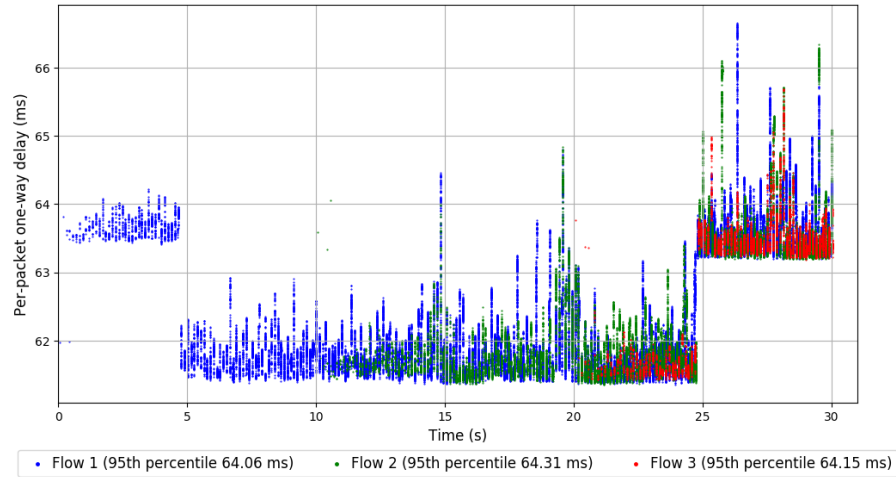
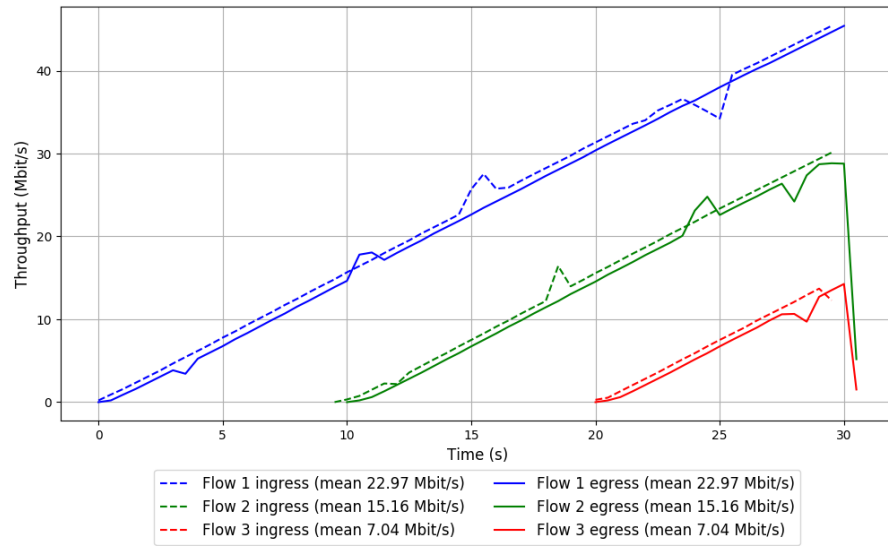
-- Flow 3:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 64.149 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-05-31 14:03:20

End at: 2018-05-31 14:03:50

Local clock offset: -0.023 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.83 Mbit/s

95th percentile per-packet one-way delay: 65.290 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.71 Mbit/s

95th percentile per-packet one-way delay: 65.433 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 65.011 ms

Loss rate: 0.00%

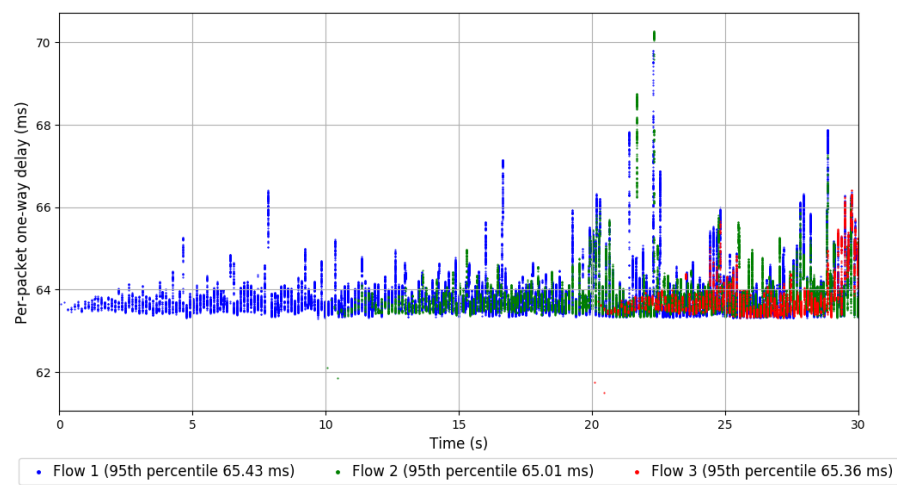
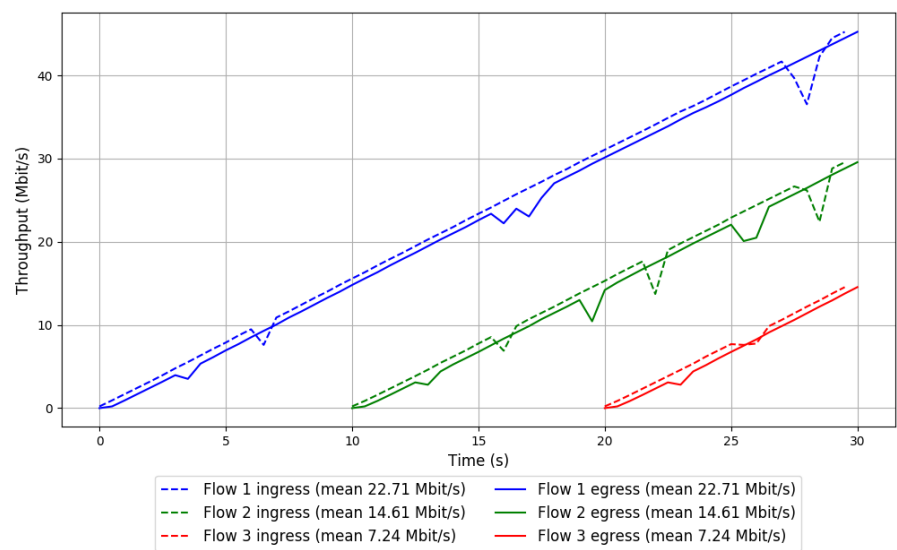
-- Flow 3:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 65.360 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-05-31 14:26:04

End at: 2018-05-31 14:26:34

Local clock offset: -0.02 ms

Remote clock offset: 0.147 ms

Below is generated by plot.py at 2018-05-31 15:59:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 65.151 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 65.165 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 64.971 ms

Loss rate: 0.00%

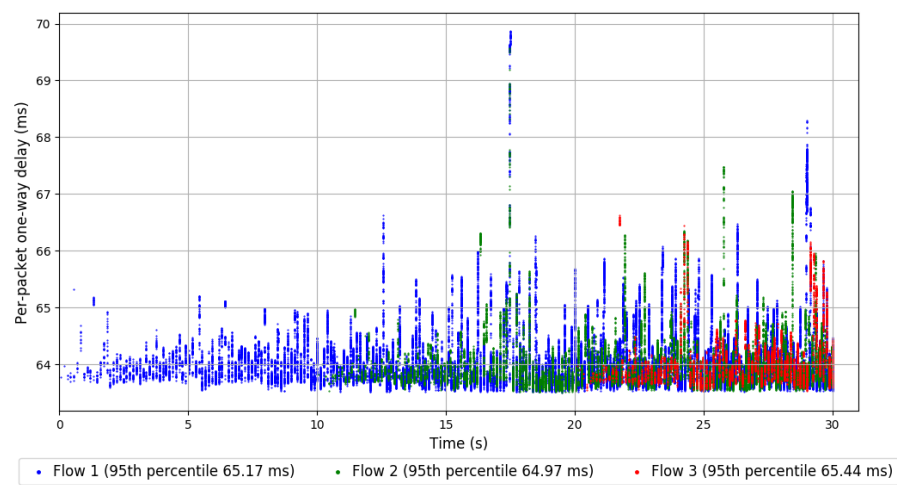
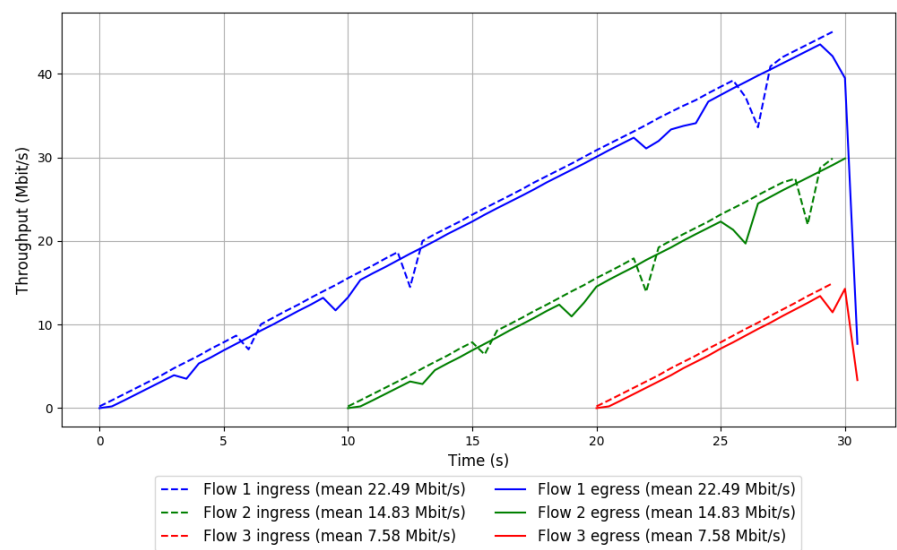
-- Flow 3:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 65.441 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

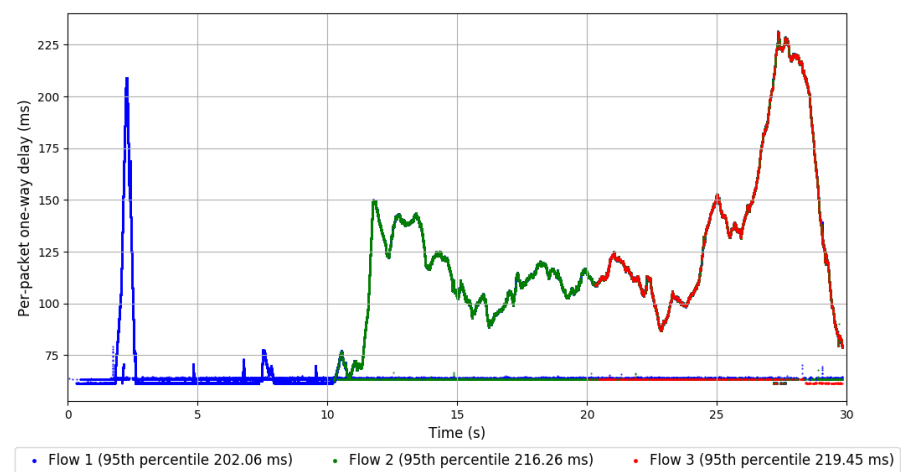
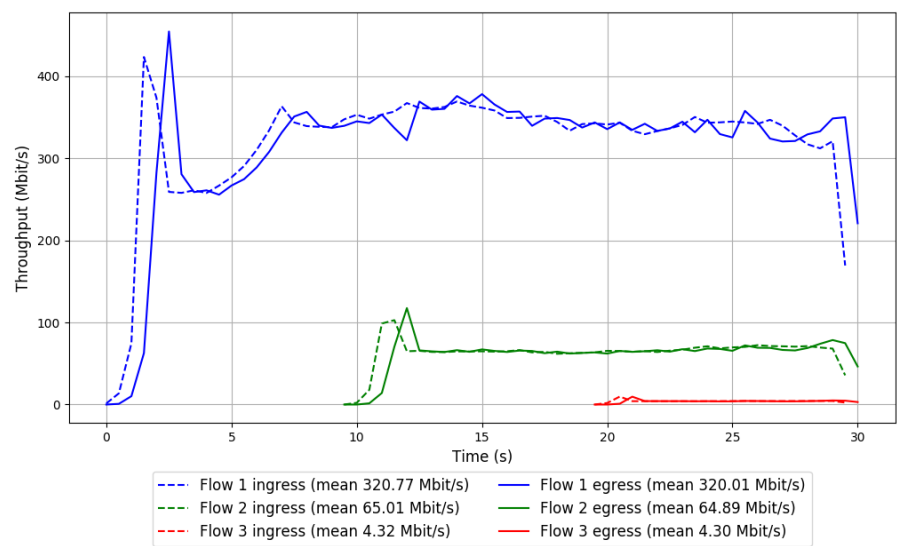


Run 1: Statistics of PCC-Allegro

Start at: 2018-05-31 10:58:16
End at: 2018-05-31 10:58:46
Local clock offset: -0.436 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-05-31 15:59:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 364.69 Mbit/s
95th percentile per-packet one-way delay: 204.392 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 320.01 Mbit/s
95th percentile per-packet one-way delay: 202.064 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 216.258 ms
Loss rate: 0.19%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 219.451 ms
Loss rate: 0.37%

Run 1: Report of PCC-Allegro — Data Link

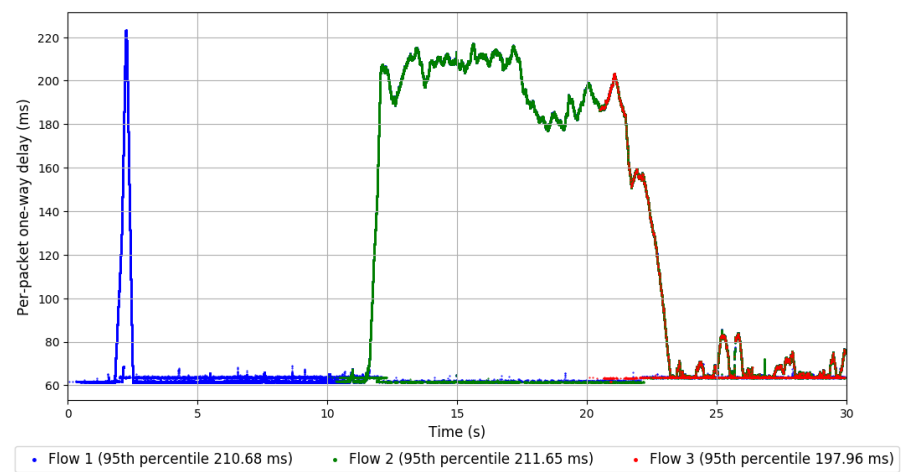
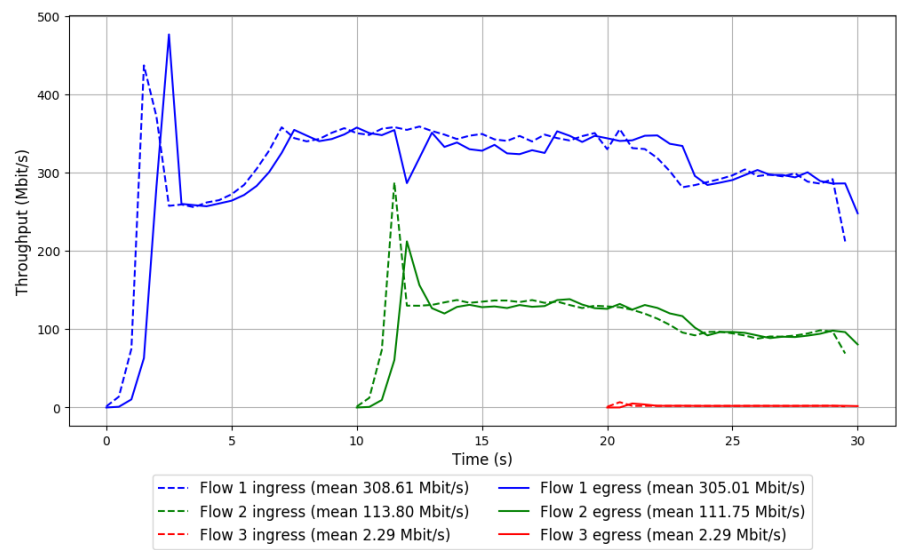


Run 2: Statistics of PCC-Allegro

Start at: 2018-05-31 11:20:22
End at: 2018-05-31 11:20:52
Local clock offset: -0.584 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-31 15:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 380.05 Mbit/s
95th percentile per-packet one-way delay: 210.927 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 305.01 Mbit/s
95th percentile per-packet one-way delay: 210.684 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 111.75 Mbit/s
95th percentile per-packet one-way delay: 211.647 ms
Loss rate: 1.80%
-- Flow 3:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 197.964 ms
Loss rate: 0.32%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-31 11:43:08

End at: 2018-05-31 11:43:38

Local clock offset: 0.034 ms

Remote clock offset: 0.022 ms

Below is generated by plot.py at 2018-05-31 15:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 346.33 Mbit/s

95th percentile per-packet one-way delay: 208.304 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 303.67 Mbit/s

95th percentile per-packet one-way delay: 206.960 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 209.367 ms

Loss rate: 0.38%

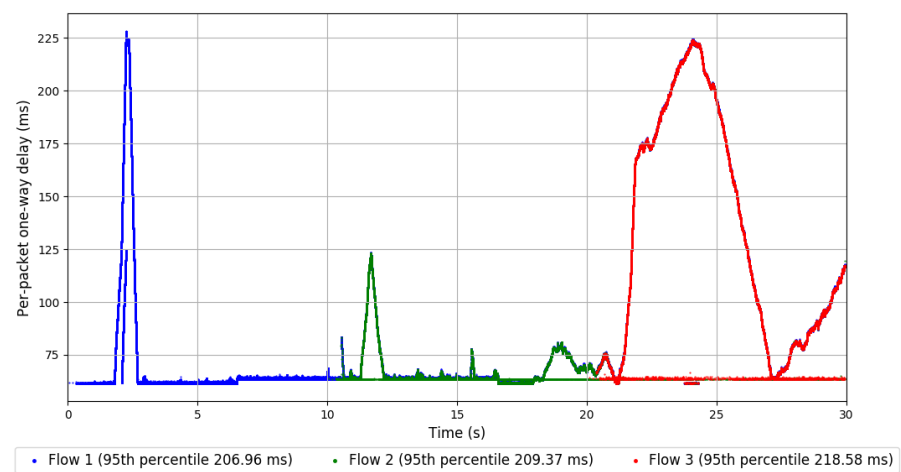
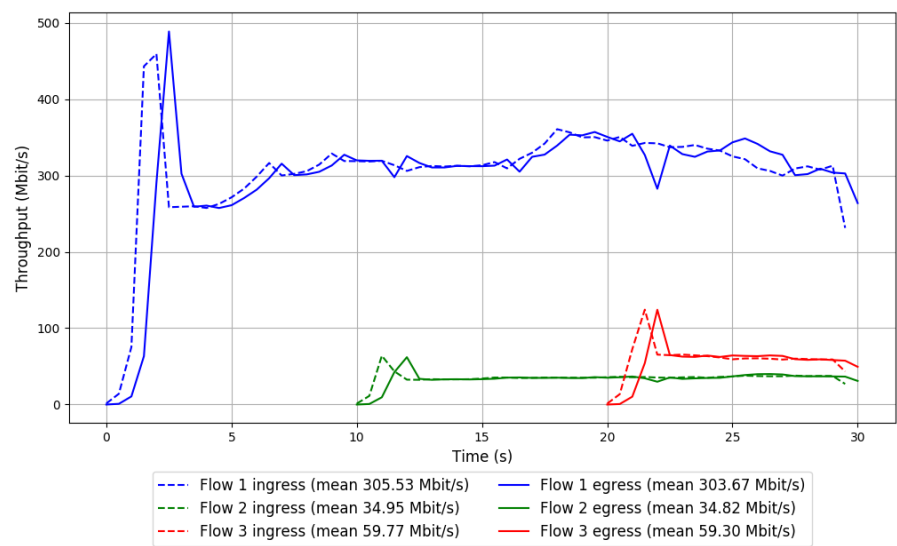
-- Flow 3:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 218.579 ms

Loss rate: 0.78%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-31 12:05:47

End at: 2018-05-31 12:06:17

Local clock offset: 0.044 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-31 15:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 379.59 Mbit/s

95th percentile per-packet one-way delay: 225.045 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 356.99 Mbit/s

95th percentile per-packet one-way delay: 224.953 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 33.03 Mbit/s

95th percentile per-packet one-way delay: 225.811 ms

Loss rate: 0.94%

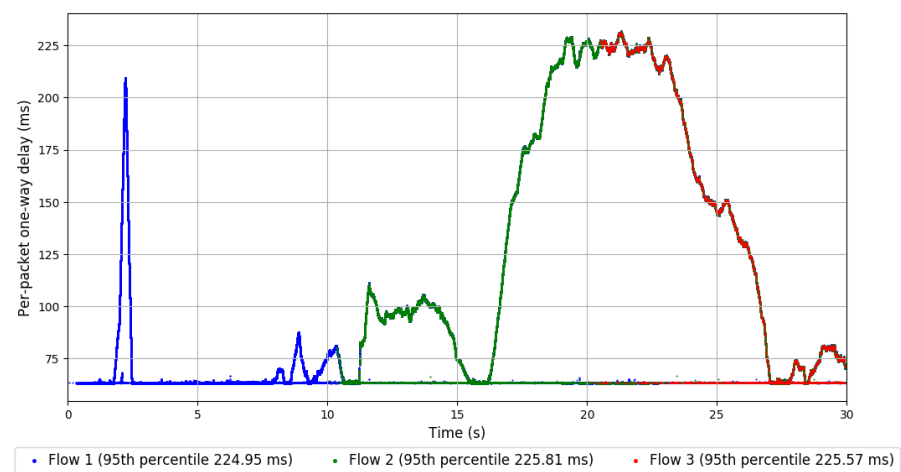
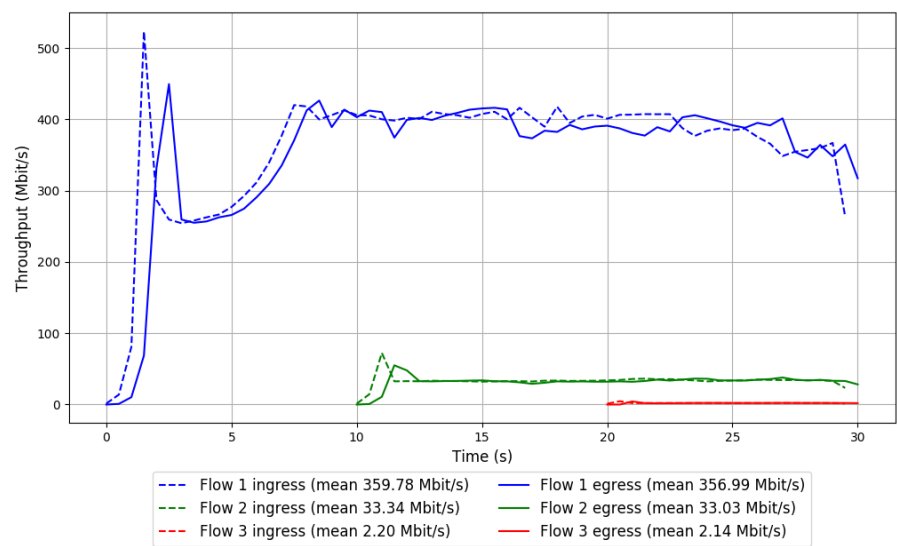
-- Flow 3:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 225.570 ms

Loss rate: 2.50%

Run 4: Report of PCC-Allegro — Data Link

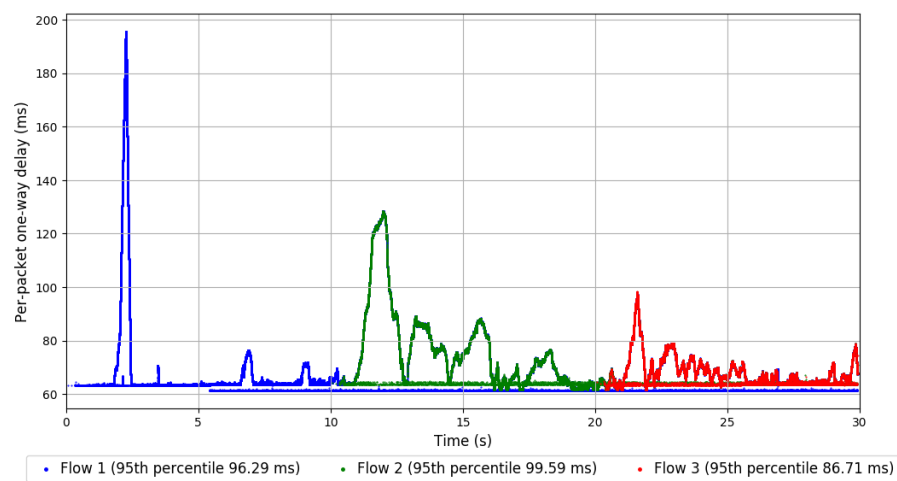
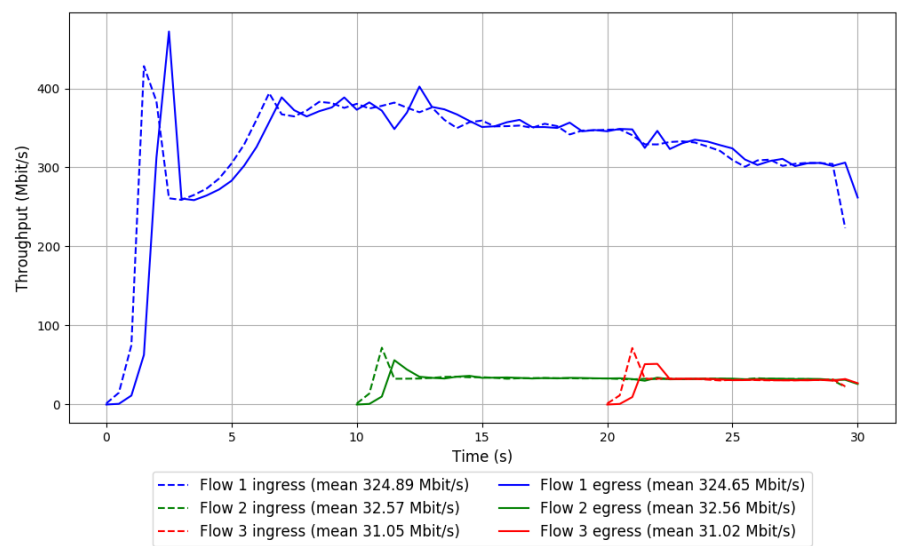


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-31 12:28:39
End at: 2018-05-31 12:29:09
Local clock offset: 0.051 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-05-31 15:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.46 Mbit/s
95th percentile per-packet one-way delay: 95.832 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 324.65 Mbit/s
95th percentile per-packet one-way delay: 96.286 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 99.595 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.02 Mbit/s
95th percentile per-packet one-way delay: 86.712 ms
Loss rate: 0.03%

Run 5: Report of PCC-Allegro — Data Link

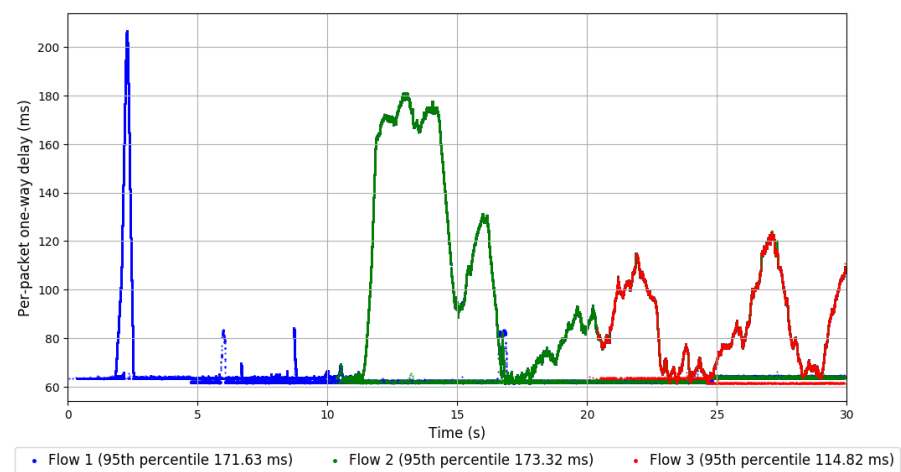
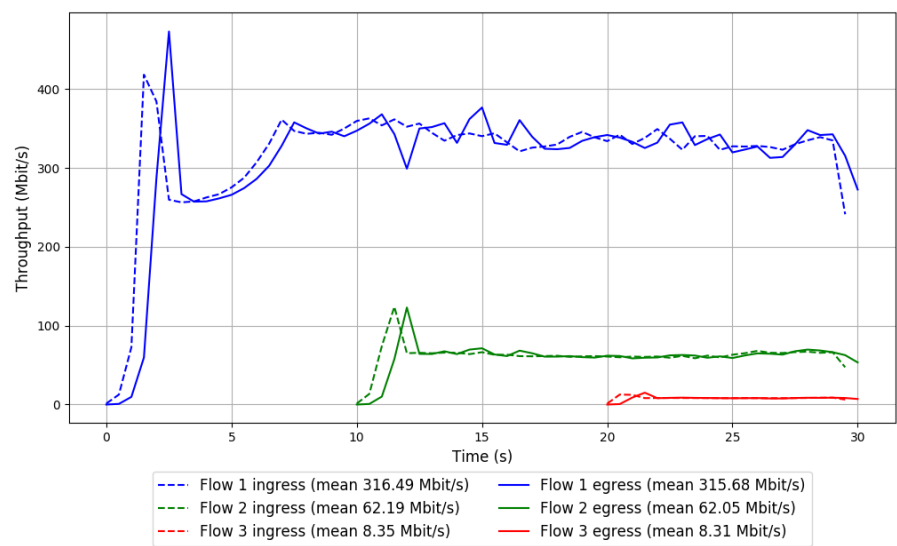


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-31 12:51:10
End at: 2018-05-31 12:51:40
Local clock offset: -0.035 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-05-31 15:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 359.65 Mbit/s
95th percentile per-packet one-way delay: 171.703 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 315.68 Mbit/s
95th percentile per-packet one-way delay: 171.629 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 62.05 Mbit/s
95th percentile per-packet one-way delay: 173.317 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 114.818 ms
Loss rate: 0.48%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-05-31 13:13:44

End at: 2018-05-31 13:14:14

Local clock offset: -0.017 ms

Remote clock offset: 0.146 ms

Below is generated by plot.py at 2018-05-31 15:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 362.34 Mbit/s

95th percentile per-packet one-way delay: 152.543 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 330.57 Mbit/s

95th percentile per-packet one-way delay: 150.143 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 16.78 Mbit/s

95th percentile per-packet one-way delay: 152.448 ms

Loss rate: 0.00%

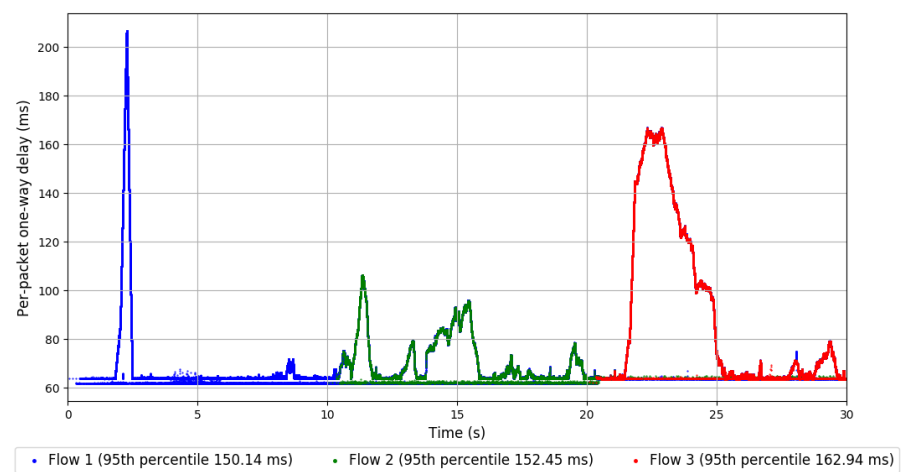
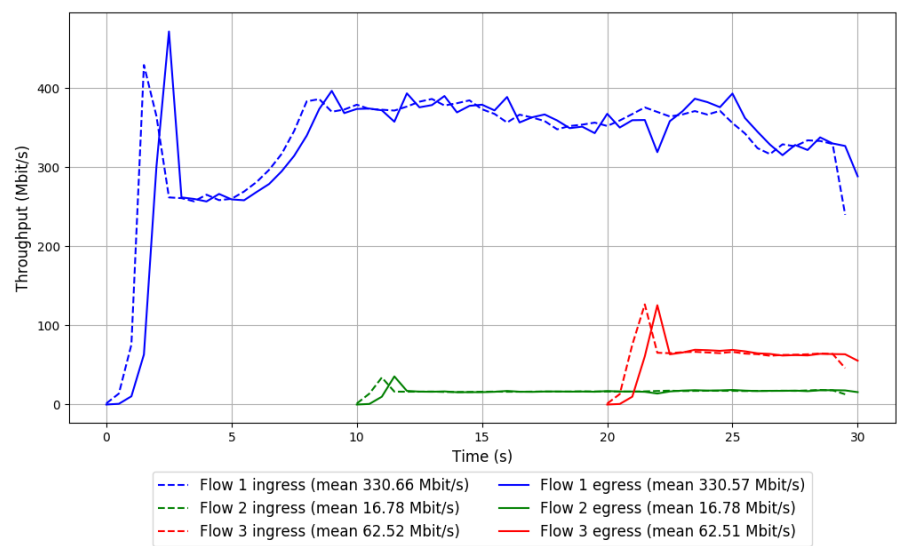
-- Flow 3:

Average throughput: 62.51 Mbit/s

95th percentile per-packet one-way delay: 162.935 ms

Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-31 13:36:24

End at: 2018-05-31 13:36:54

Local clock offset: -0.045 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-05-31 15:59:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.93 Mbit/s

95th percentile per-packet one-way delay: 230.967 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 299.52 Mbit/s

95th percentile per-packet one-way delay: 230.687 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 55.31 Mbit/s

95th percentile per-packet one-way delay: 234.082 ms

Loss rate: 1.01%

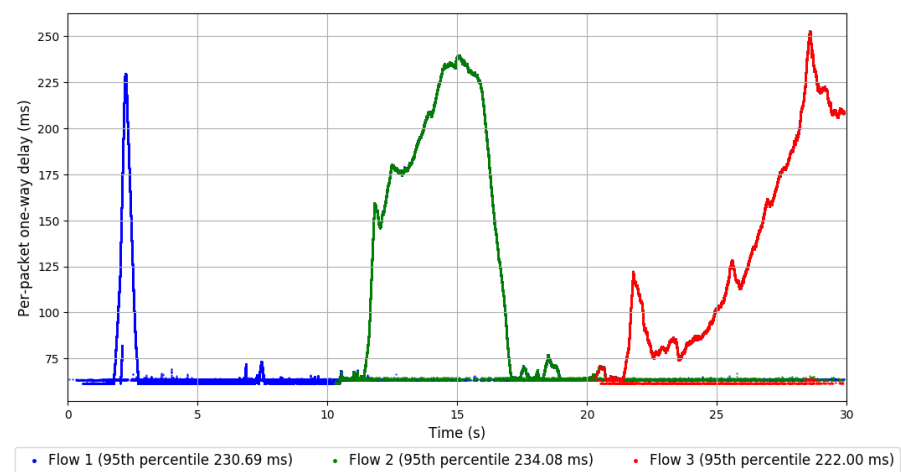
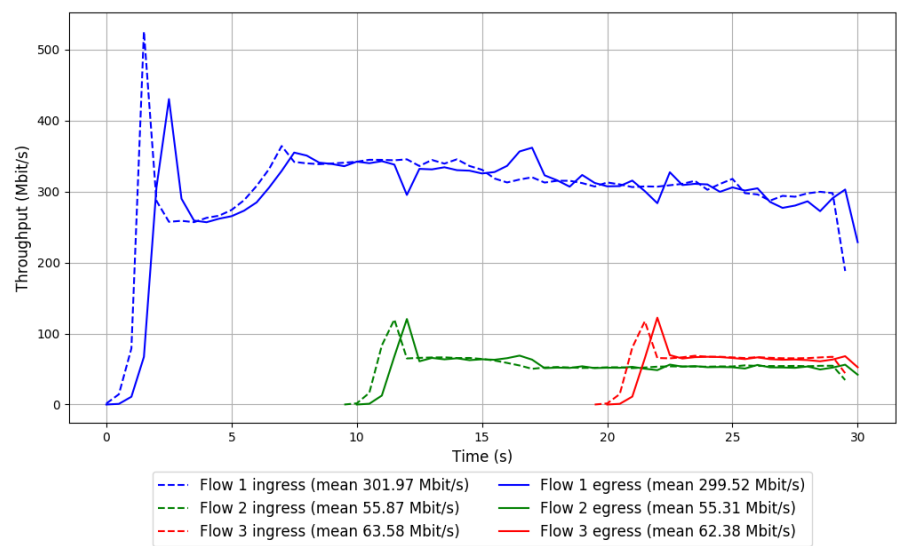
-- Flow 3:

Average throughput: 62.38 Mbit/s

95th percentile per-packet one-way delay: 221.995 ms

Loss rate: 1.89%

Run 8: Report of PCC-Allegro — Data Link

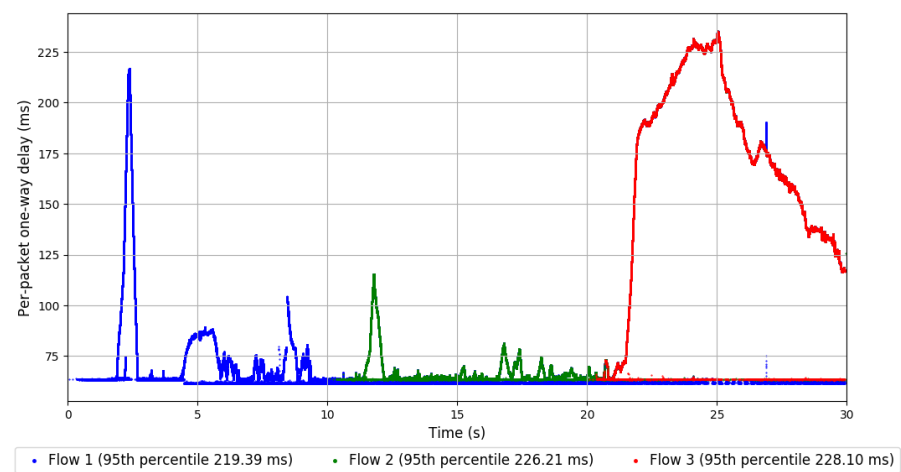
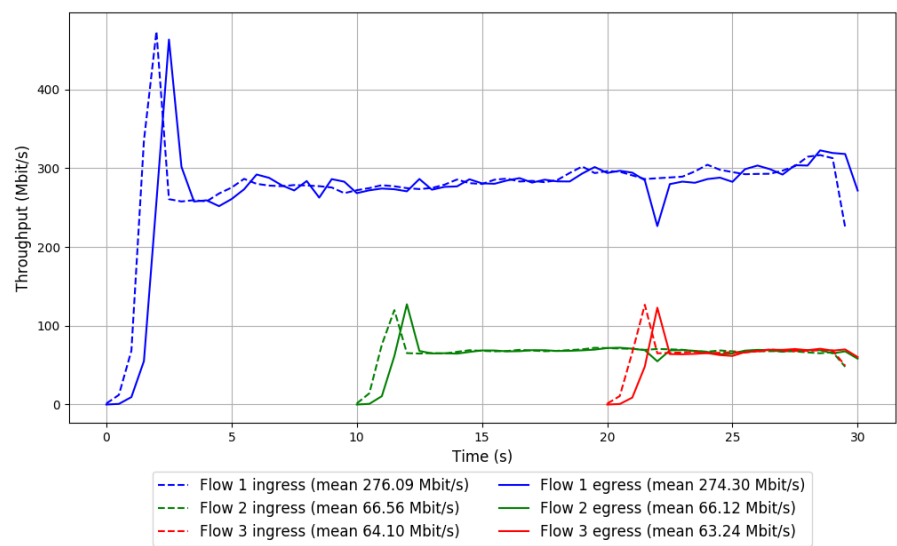


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-31 13:59:10
End at: 2018-05-31 13:59:40
Local clock offset: -0.014 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-05-31 15:59:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.02 Mbit/s
95th percentile per-packet one-way delay: 224.416 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 274.30 Mbit/s
95th percentile per-packet one-way delay: 219.393 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 226.208 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 63.24 Mbit/s
95th percentile per-packet one-way delay: 228.105 ms
Loss rate: 1.34%

Run 9: Report of PCC-Allegro — Data Link

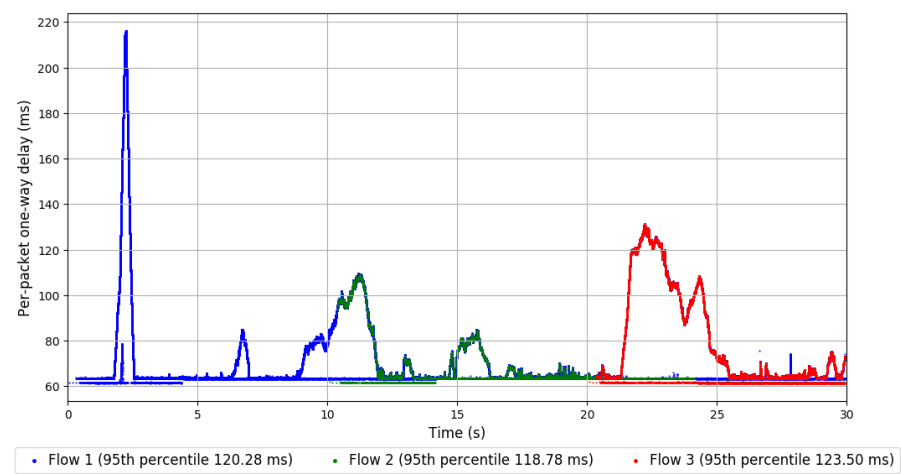
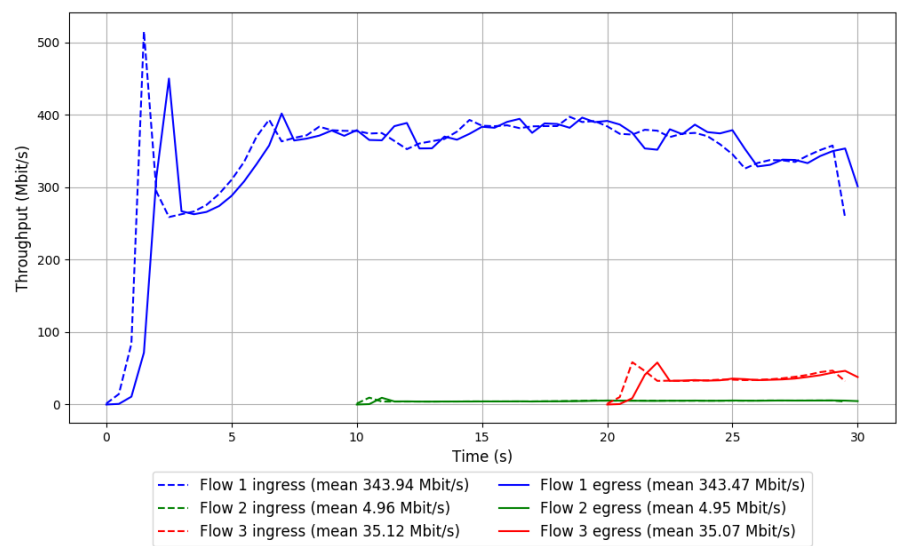


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-31 14:21:50
End at: 2018-05-31 14:22:20
Local clock offset: 0.003 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-31 15:59:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 358.32 Mbit/s
95th percentile per-packet one-way delay: 120.521 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 343.47 Mbit/s
95th percentile per-packet one-way delay: 120.285 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 4.95 Mbit/s
95th percentile per-packet one-way delay: 118.775 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 123.505 ms
Loss rate: 0.10%

Run 10: Report of PCC-Allegro — Data Link

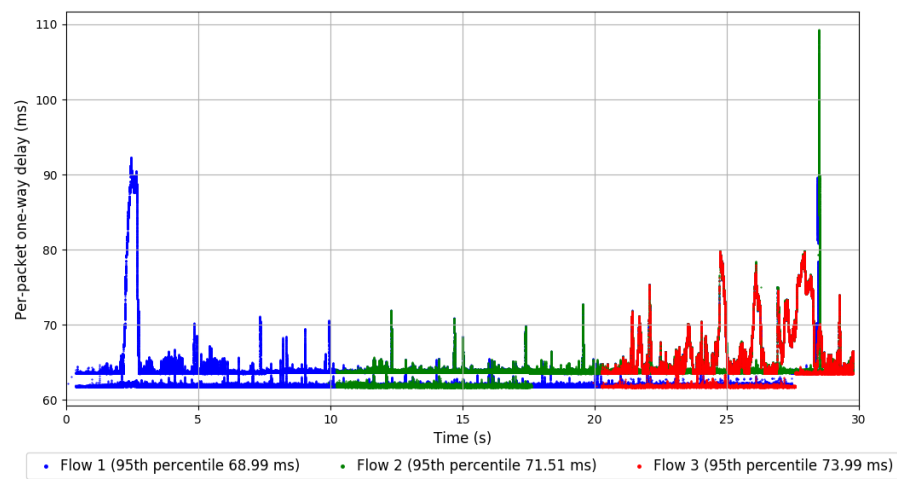
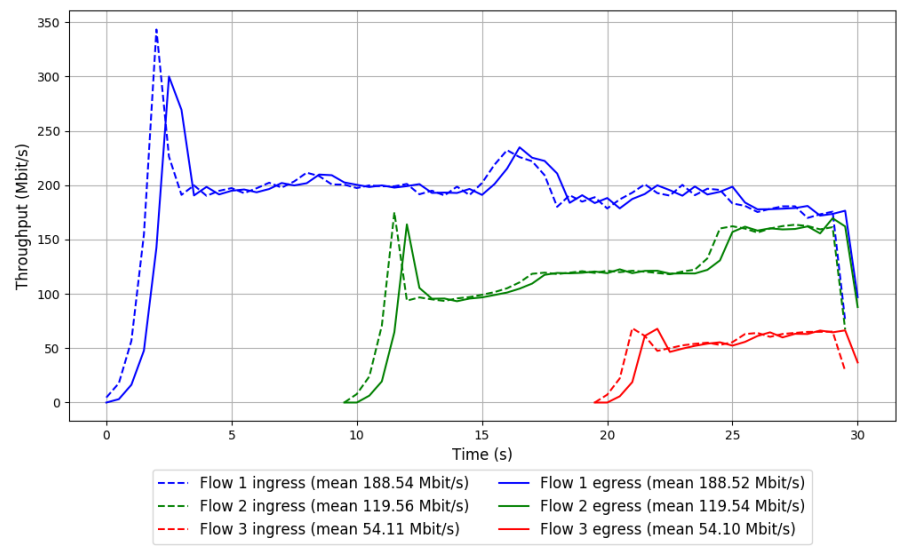


```
Run 1: Statistics of PCC-Expr

Start at: 2018-05-31 10:54:07
End at: 2018-05-31 10:54:37
Local clock offset: -0.441 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at 2018-05-31 16:02:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 286.38 Mbit/s
95th percentile per-packet one-way delay: 69.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.52 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.54 Mbit/s
95th percentile per-packet one-way delay: 71.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.10 Mbit/s
95th percentile per-packet one-way delay: 73.994 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Expr — Data Link

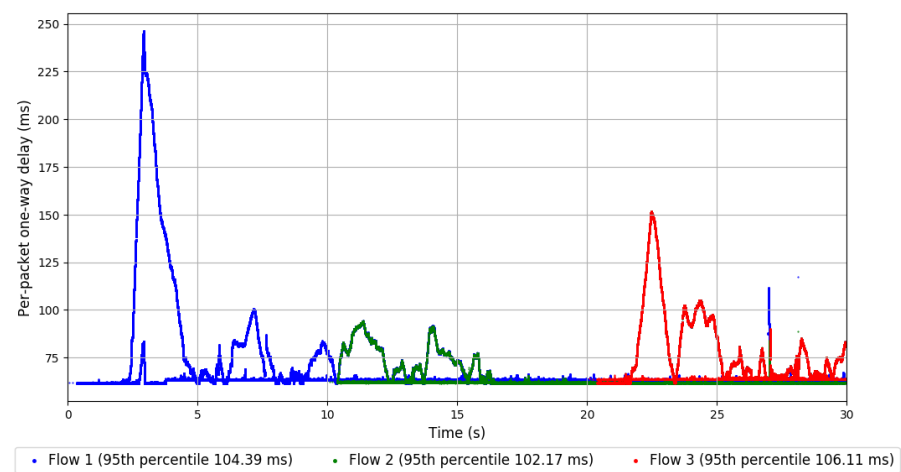
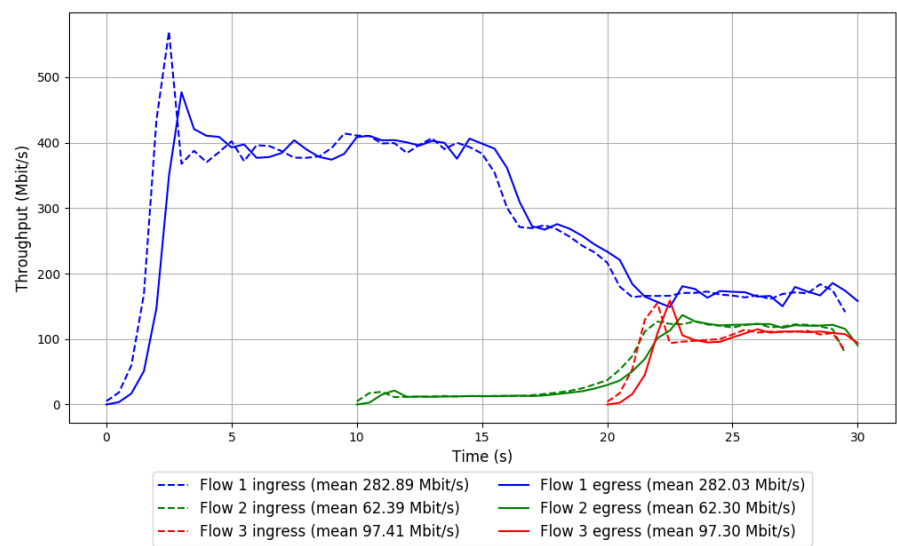


```
Run 2: Statistics of PCC-Expr

Start at: 2018-05-31 11:16:11
End at: 2018-05-31 11:16:41
Local clock offset: -0.578 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-05-31 16:05:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.55 Mbit/s
95th percentile per-packet one-way delay: 104.043 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 282.03 Mbit/s
95th percentile per-packet one-way delay: 104.386 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 62.30 Mbit/s
95th percentile per-packet one-way delay: 102.168 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 106.107 ms
Loss rate: 0.19%
```

Run 2: Report of PCC-Expr — Data Link

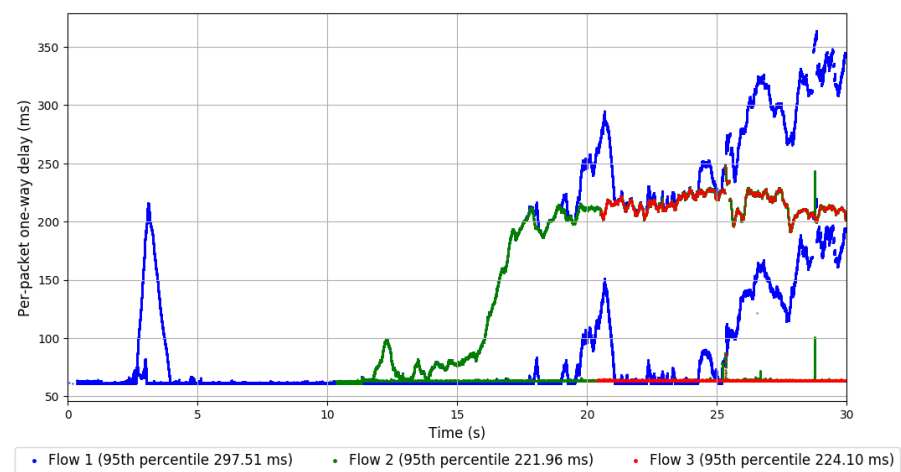
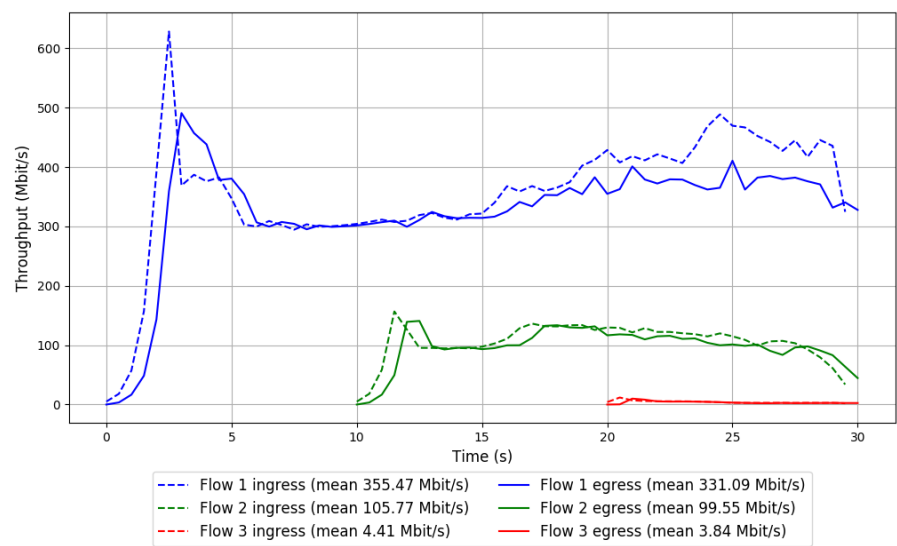


Run 3: Statistics of PCC-Expr

Start at: 2018-05-31 11:38:53
End at: 2018-05-31 11:39:23
Local clock offset: -0.027 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-05-31 16:10:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 398.56 Mbit/s
95th percentile per-packet one-way delay: 280.170 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 331.09 Mbit/s
95th percentile per-packet one-way delay: 297.515 ms
Loss rate: 6.85%
-- Flow 2:
Average throughput: 99.55 Mbit/s
95th percentile per-packet one-way delay: 221.959 ms
Loss rate: 5.88%
-- Flow 3:
Average throughput: 3.84 Mbit/s
95th percentile per-packet one-way delay: 224.098 ms
Loss rate: 12.76%

Run 3: Report of PCC-Expr — Data Link

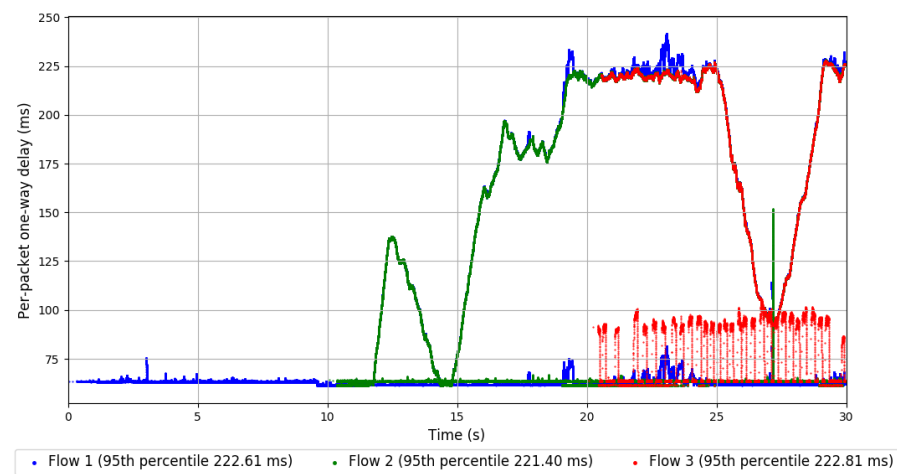
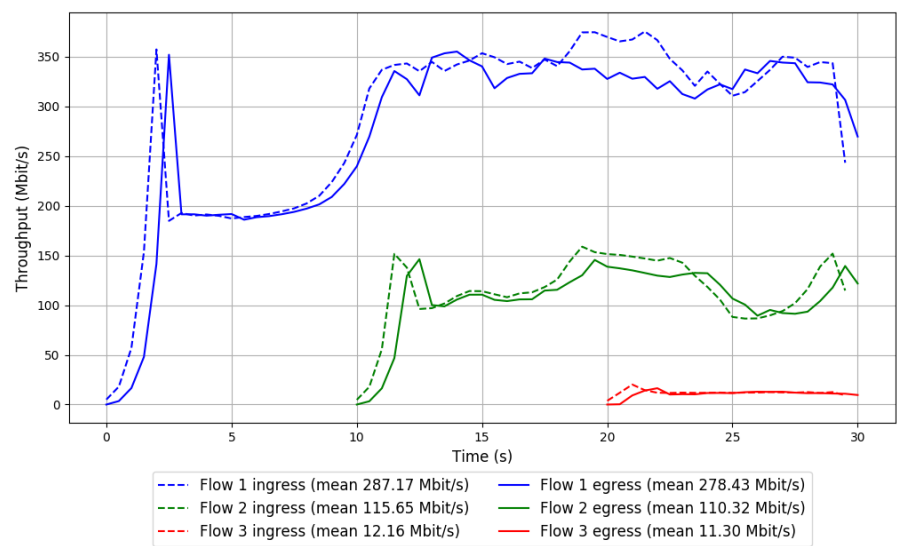


Run 4: Statistics of PCC-Expr

Start at: 2018-05-31 12:01:35
End at: 2018-05-31 12:02:05
Local clock offset: 0.119 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-05-31 16:10:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 355.51 Mbit/s
95th percentile per-packet one-way delay: 222.290 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 278.43 Mbit/s
95th percentile per-packet one-way delay: 222.610 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 110.32 Mbit/s
95th percentile per-packet one-way delay: 221.401 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 11.30 Mbit/s
95th percentile per-packet one-way delay: 222.812 ms
Loss rate: 7.06%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-05-31 12:24:30

End at: 2018-05-31 12:25:00

Local clock offset: 0.117 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at 2018-05-31 16:10:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.56 Mbit/s

95th percentile per-packet one-way delay: 204.753 ms

Loss rate: 2.91%

-- Flow 1:

Average throughput: 119.20 Mbit/s

95th percentile per-packet one-way delay: 202.960 ms

Loss rate: 1.88%

-- Flow 2:

Average throughput: 191.16 Mbit/s

95th percentile per-packet one-way delay: 204.152 ms

Loss rate: 2.65%

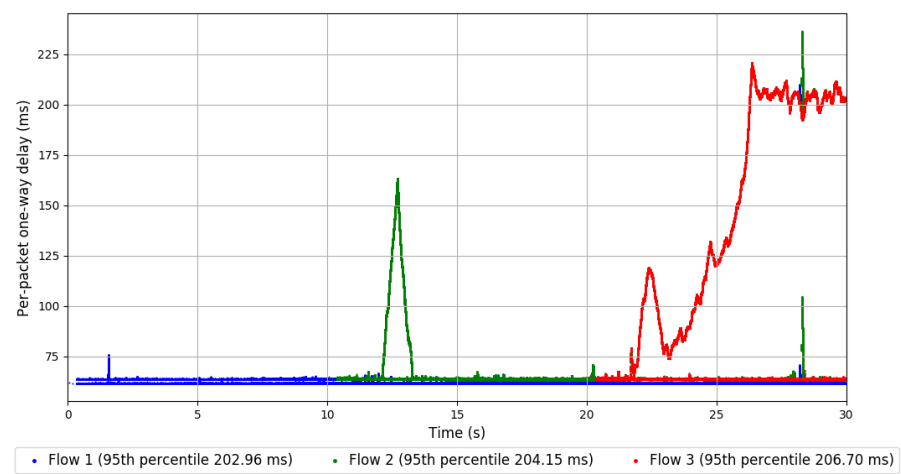
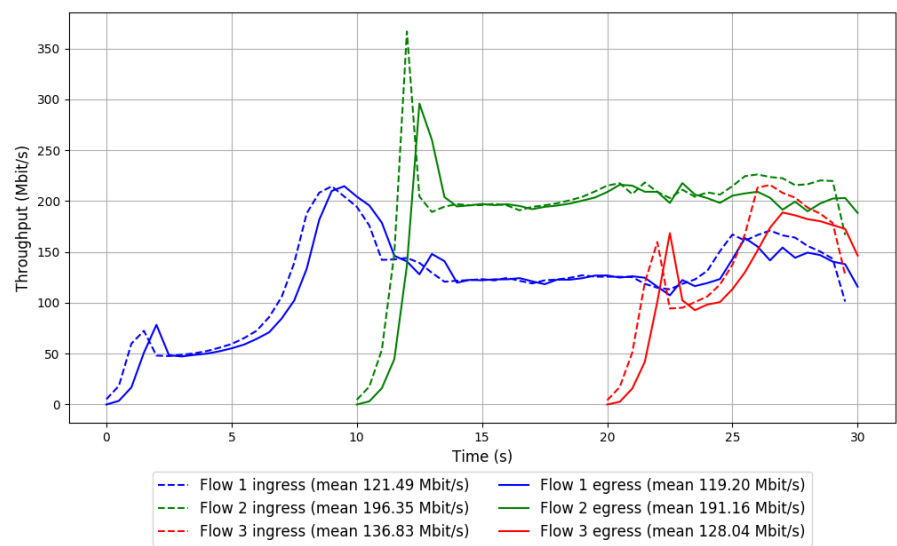
-- Flow 3:

Average throughput: 128.04 Mbit/s

95th percentile per-packet one-way delay: 206.703 ms

Loss rate: 6.43%

Run 5: Report of PCC-Expr — Data Link

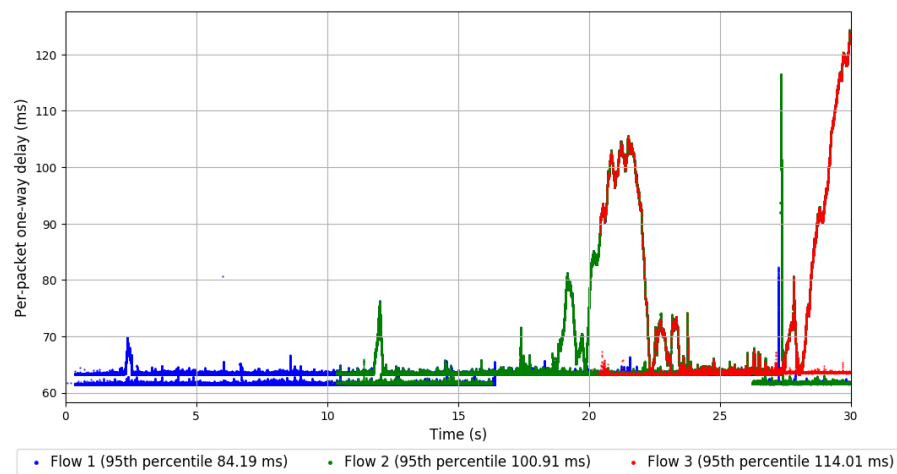
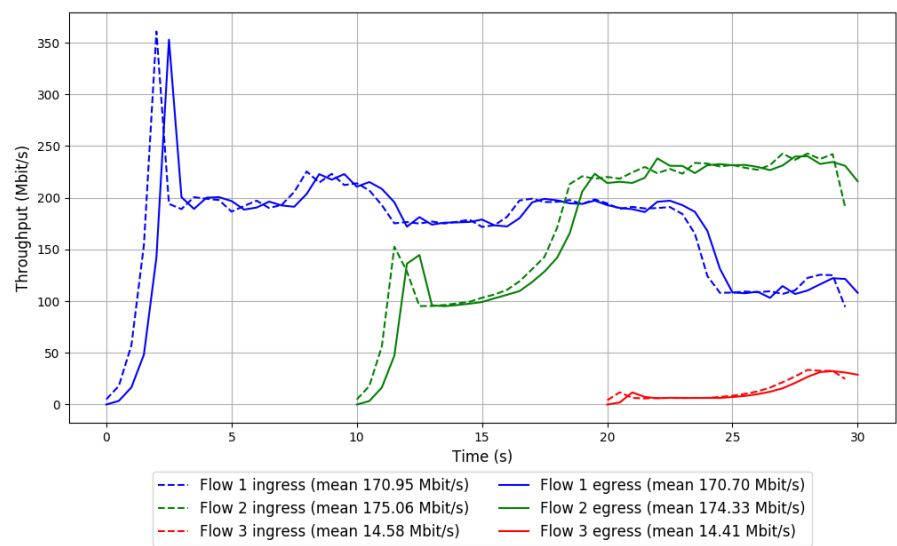


Run 6: Statistics of PCC-Expr

Start at: 2018-05-31 12:46:58
End at: 2018-05-31 12:47:28
Local clock offset: -0.044 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-05-31 16:10:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.39 Mbit/s
95th percentile per-packet one-way delay: 95.524 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 170.70 Mbit/s
95th percentile per-packet one-way delay: 84.193 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 174.33 Mbit/s
95th percentile per-packet one-way delay: 100.910 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 114.011 ms
Loss rate: 1.21%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-05-31 13:09:34

End at: 2018-05-31 13:10:04

Local clock offset: -0.044 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-05-31 16:10:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.76 Mbit/s

95th percentile per-packet one-way delay: 217.557 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 156.30 Mbit/s

95th percentile per-packet one-way delay: 215.816 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 123.99 Mbit/s

95th percentile per-packet one-way delay: 218.016 ms

Loss rate: 1.81%

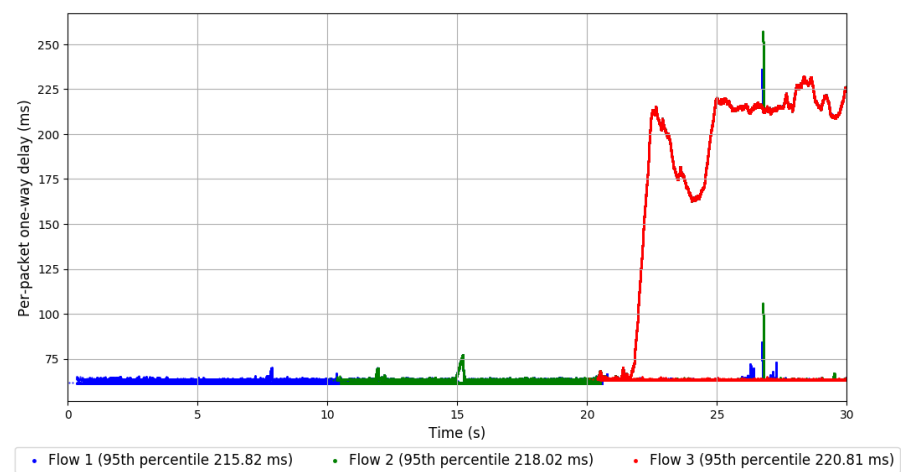
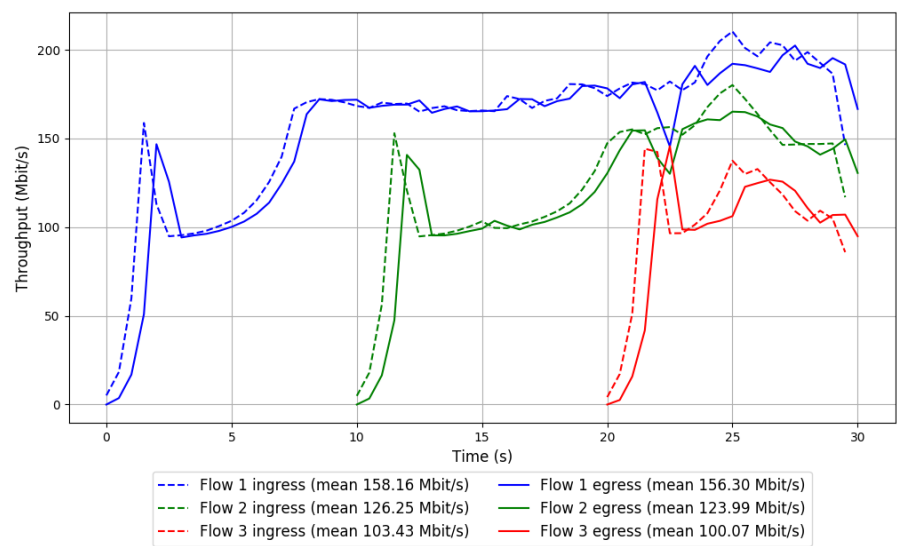
-- Flow 3:

Average throughput: 100.07 Mbit/s

95th percentile per-packet one-way delay: 220.812 ms

Loss rate: 3.24%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-05-31 13:32:11

End at: 2018-05-31 13:32:41

Local clock offset: -0.013 ms

Remote clock offset: 0.198 ms

Below is generated by plot.py at 2018-05-31 16:10:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.60 Mbit/s

95th percentile per-packet one-way delay: 98.455 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 179.63 Mbit/s

95th percentile per-packet one-way delay: 92.664 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 180.38 Mbit/s

95th percentile per-packet one-way delay: 106.772 ms

Loss rate: 0.45%

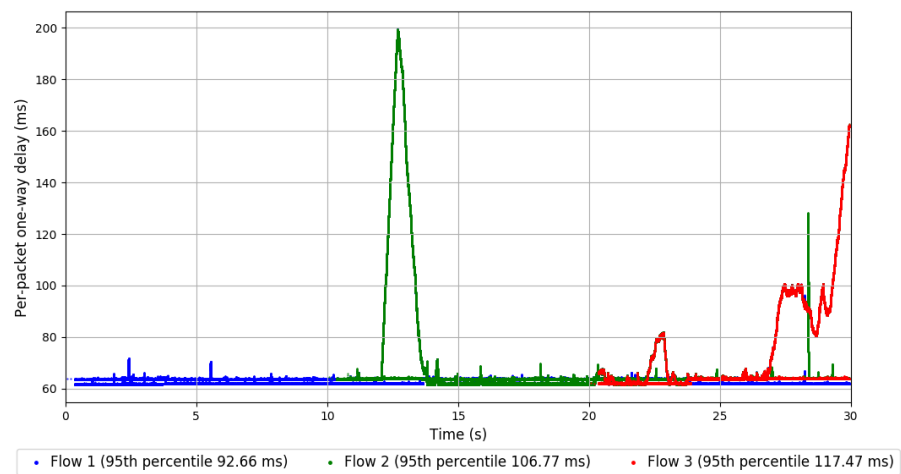
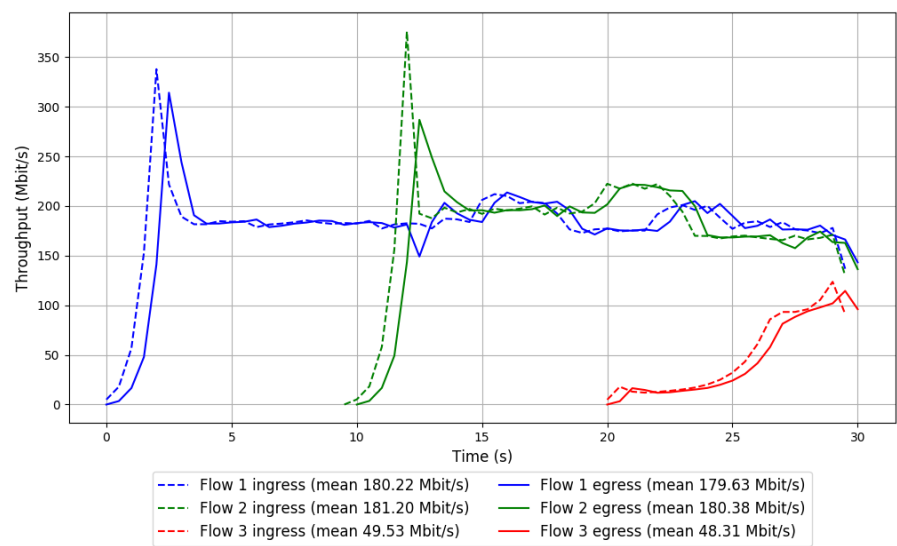
-- Flow 3:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 117.466 ms

Loss rate: 2.46%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-05-31 13:54:53

End at: 2018-05-31 13:55:23

Local clock offset: -0.002 ms

Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-05-31 16:14:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 348.38 Mbit/s

95th percentile per-packet one-way delay: 81.727 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 275.23 Mbit/s

95th percentile per-packet one-way delay: 83.851 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.87 Mbit/s

95th percentile per-packet one-way delay: 68.292 ms

Loss rate: 0.01%

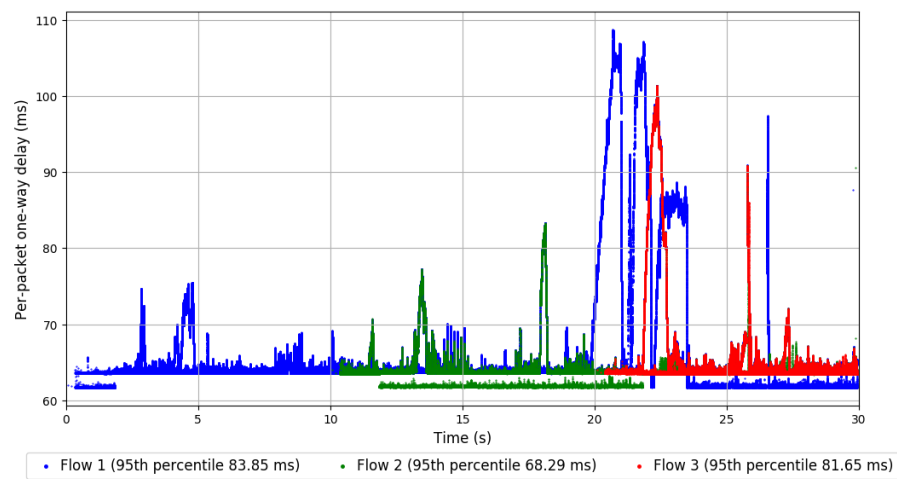
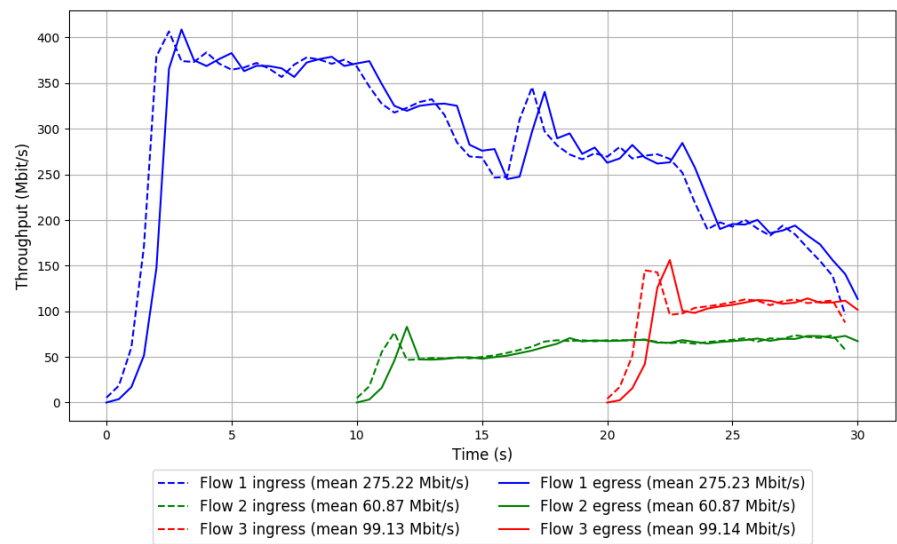
-- Flow 3:

Average throughput: 99.14 Mbit/s

95th percentile per-packet one-way delay: 81.650 ms

Loss rate: 0.02%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-05-31 14:17:35

End at: 2018-05-31 14:18:05

Local clock offset: -0.012 ms

Remote clock offset: 0.199 ms

Below is generated by plot.py at 2018-05-31 16:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 392.00 Mbit/s

95th percentile per-packet one-way delay: 320.216 ms

Loss rate: 11.77%

-- Flow 1:

Average throughput: 374.67 Mbit/s

95th percentile per-packet one-way delay: 320.399 ms

Loss rate: 12.04%

-- Flow 2:

Average throughput: 23.85 Mbit/s

95th percentile per-packet one-way delay: 221.600 ms

Loss rate: 5.24%

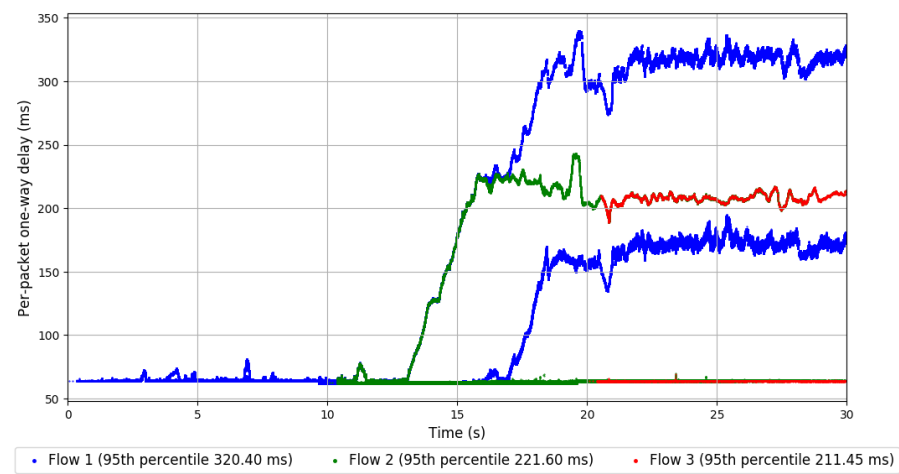
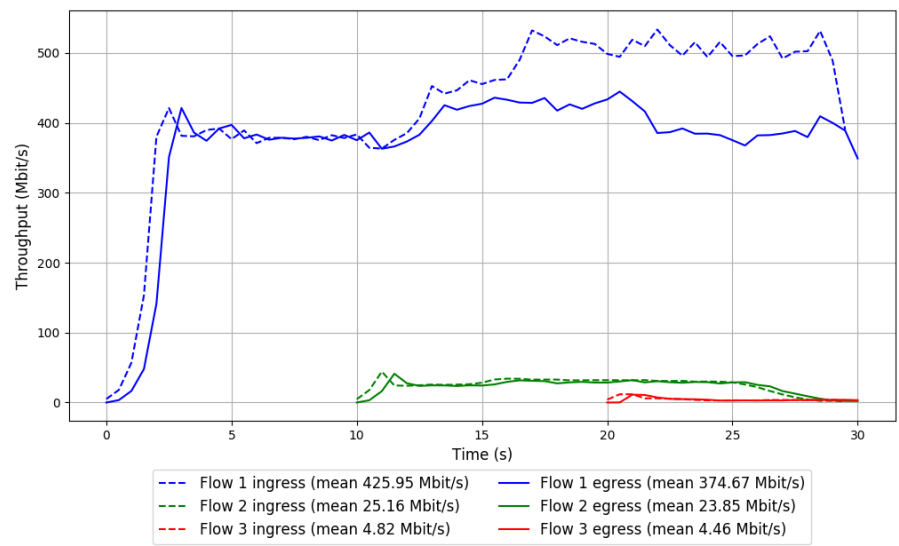
-- Flow 3:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 211.448 ms

Loss rate: 7.55%

Run 10: Report of PCC-Expr — Data Link

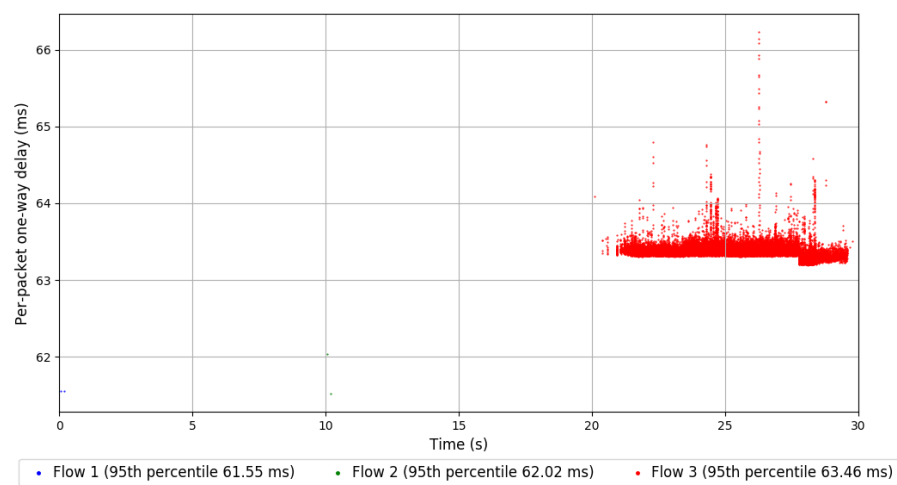
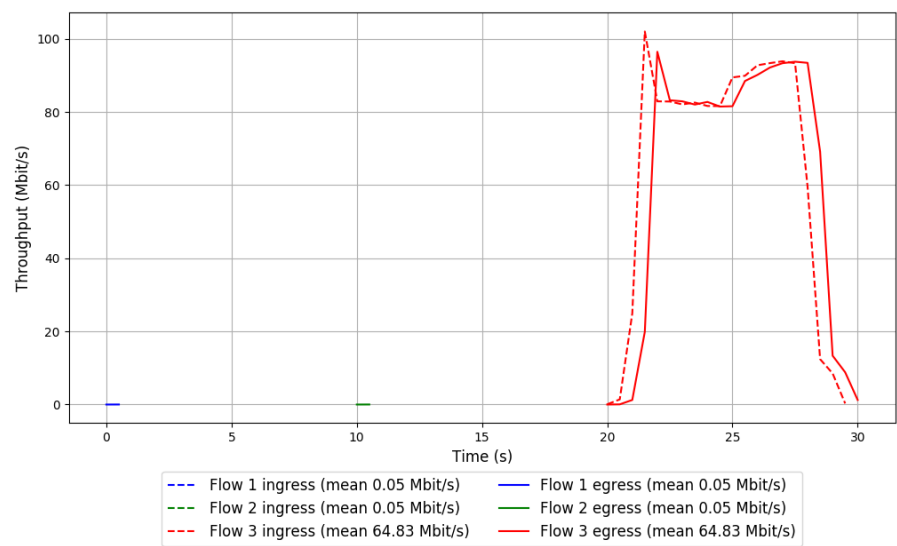


Run 1: Statistics of QUIC Cubic

Start at: 2018-05-31 11:08:27
End at: 2018-05-31 11:08:57
Local clock offset: -0.561 ms
Remote clock offset: -0.094 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 61.551 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.025 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

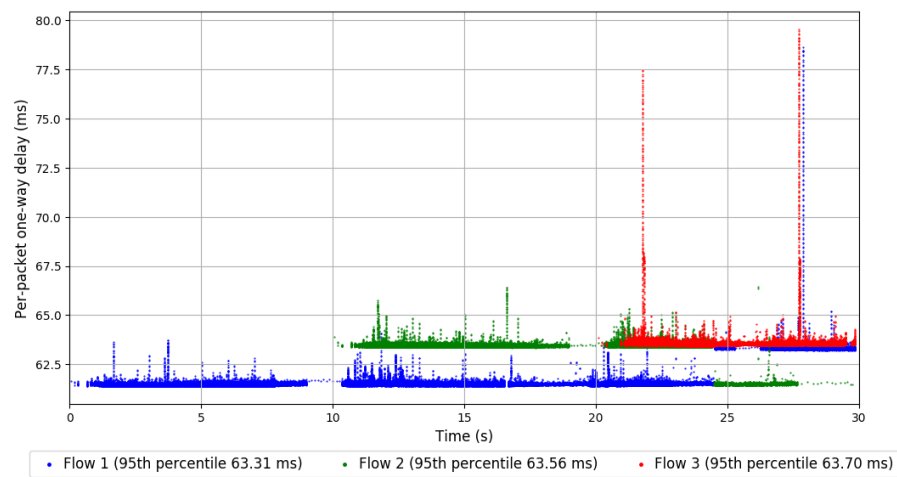
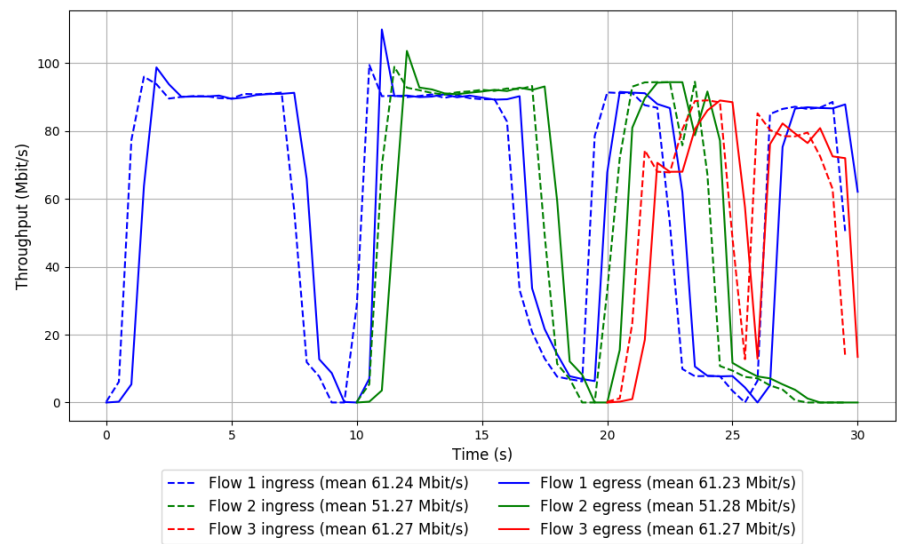


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-31 11:31:00
End at: 2018-05-31 11:31:30
Local clock offset: -0.18 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.17 Mbit/s
95th percentile per-packet one-way delay: 63.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.23 Mbit/s
95th percentile per-packet one-way delay: 63.306 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 63.562 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 63.695 ms
Loss rate: 0.02%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-31 11:53:44

End at: 2018-05-31 11:54:14

Local clock offset: 0.131 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-05-31 16:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.61 Mbit/s

95th percentile per-packet one-way delay: 63.571 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.07 Mbit/s

95th percentile per-packet one-way delay: 63.545 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 63.604 ms

Loss rate: 0.00%

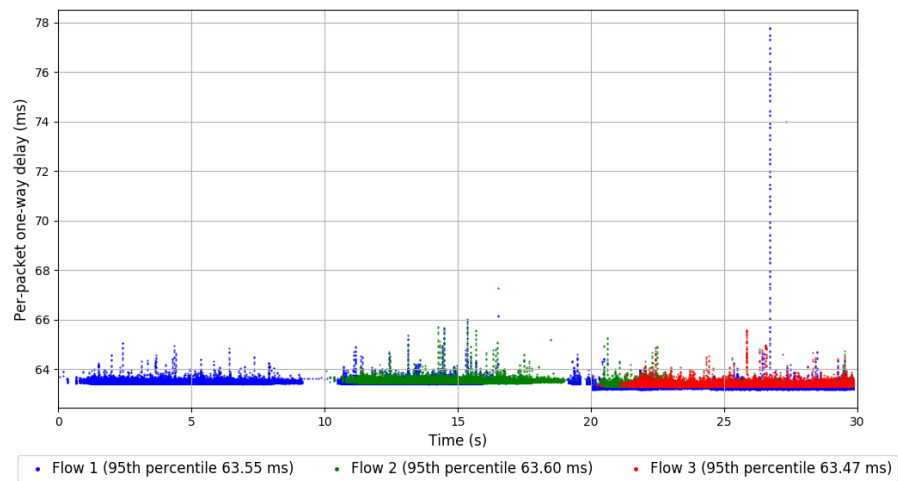
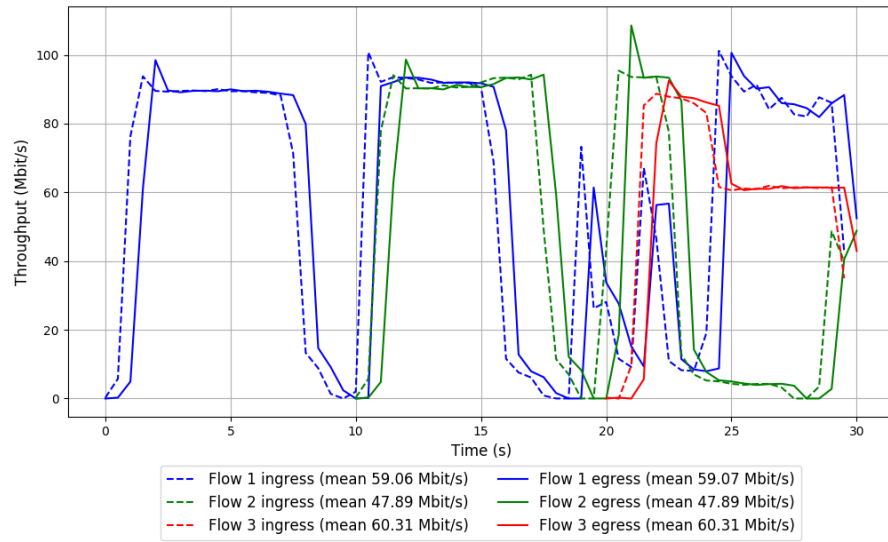
-- Flow 3:

Average throughput: 60.31 Mbit/s

95th percentile per-packet one-way delay: 63.469 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link

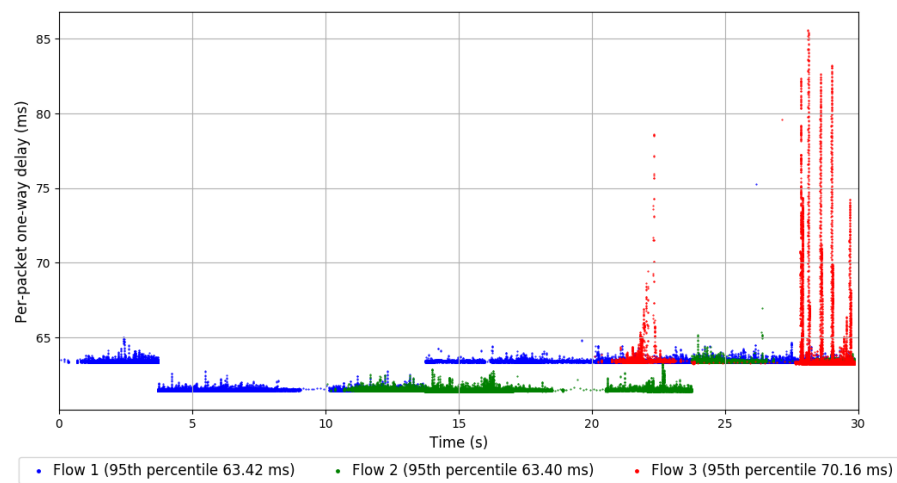
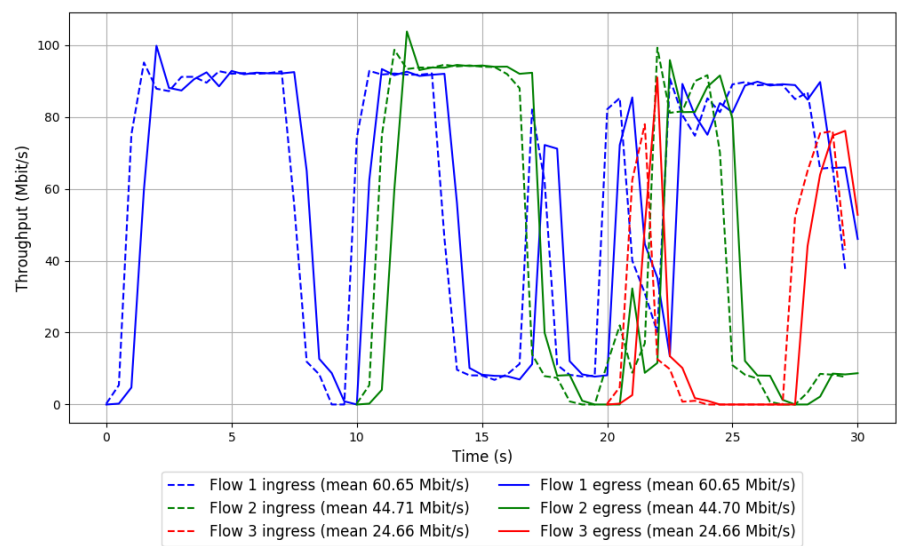


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-31 12:16:41
End at: 2018-05-31 12:17:11
Local clock offset: 0.004 ms
Remote clock offset: -0.138 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.42 Mbit/s
95th percentile per-packet one-way delay: 63.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.65 Mbit/s
95th percentile per-packet one-way delay: 63.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.70 Mbit/s
95th percentile per-packet one-way delay: 63.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 70.158 ms
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

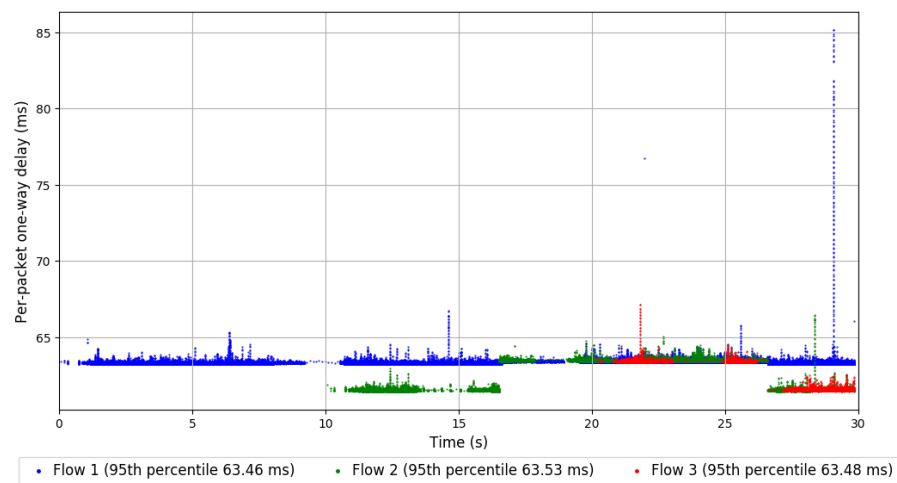
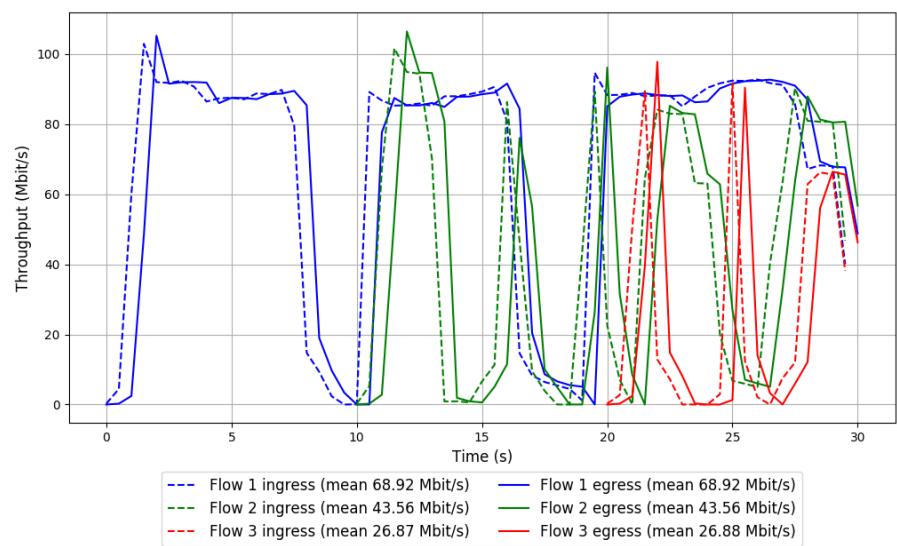


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-31 12:39:18
End at: 2018-05-31 12:39:48
Local clock offset: -0.011 ms
Remote clock offset: -0.102 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 106.64 Mbit/s
95th percentile per-packet one-way delay: 63.495 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 63.463 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.56 Mbit/s
95th percentile per-packet one-way delay: 63.530 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 63.484 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-31 13:01:41

End at: 2018-05-31 13:02:11

Local clock offset: -0.057 ms

Remote clock offset: 0.086 ms

Below is generated by plot.py at 2018-05-31 16:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.42 Mbit/s

95th percentile per-packet one-way delay: 63.763 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 63.583 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.10 Mbit/s

95th percentile per-packet one-way delay: 63.833 ms

Loss rate: 0.01%

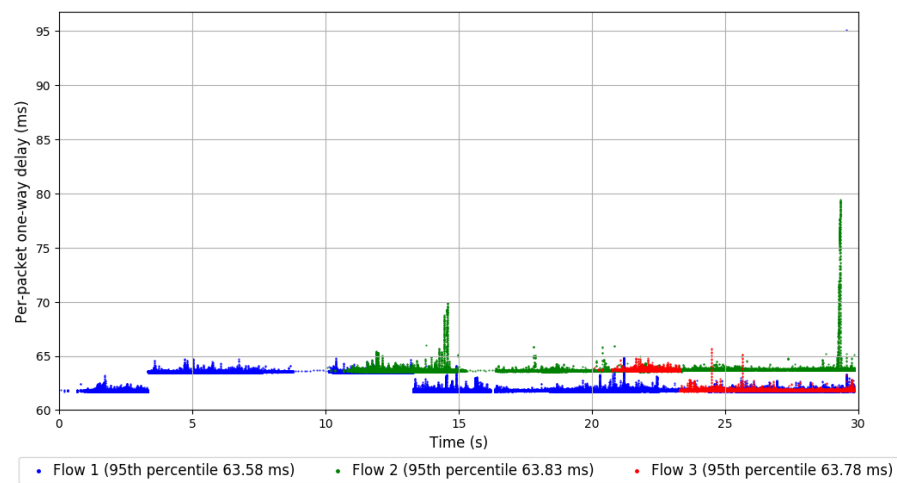
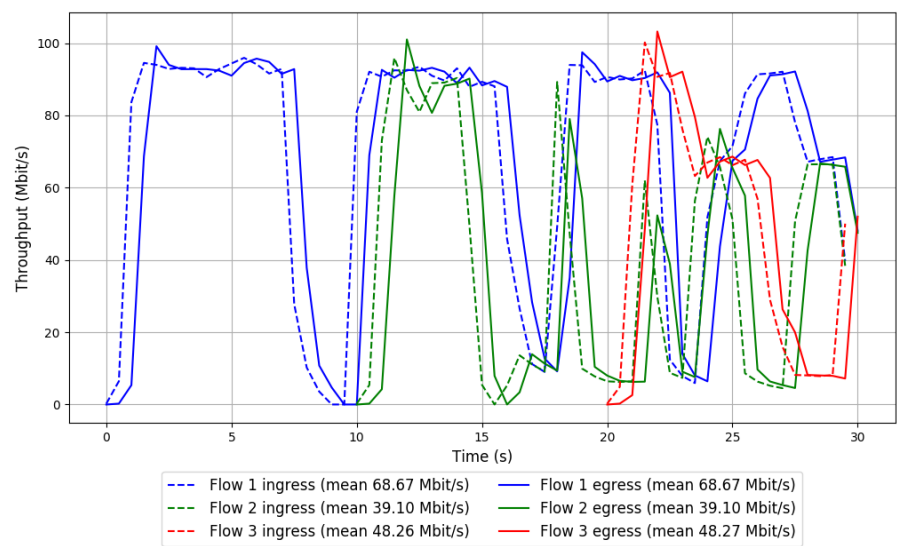
-- Flow 3:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 63.778 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

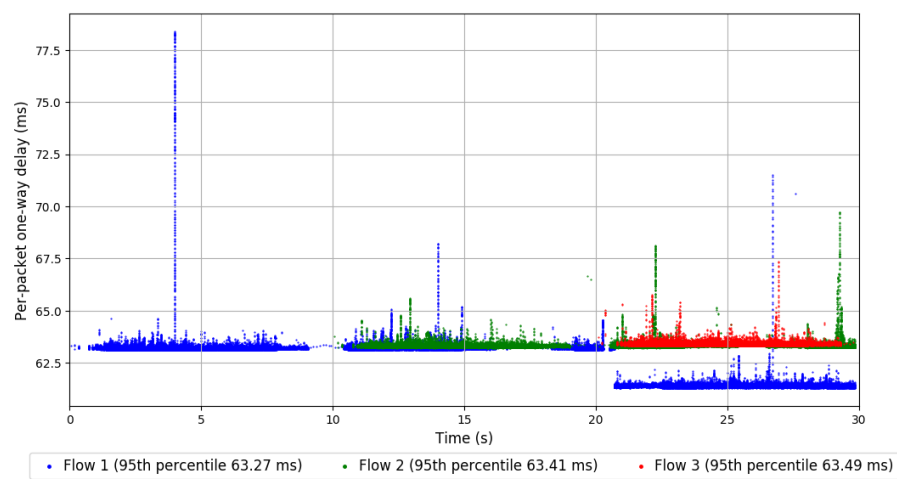
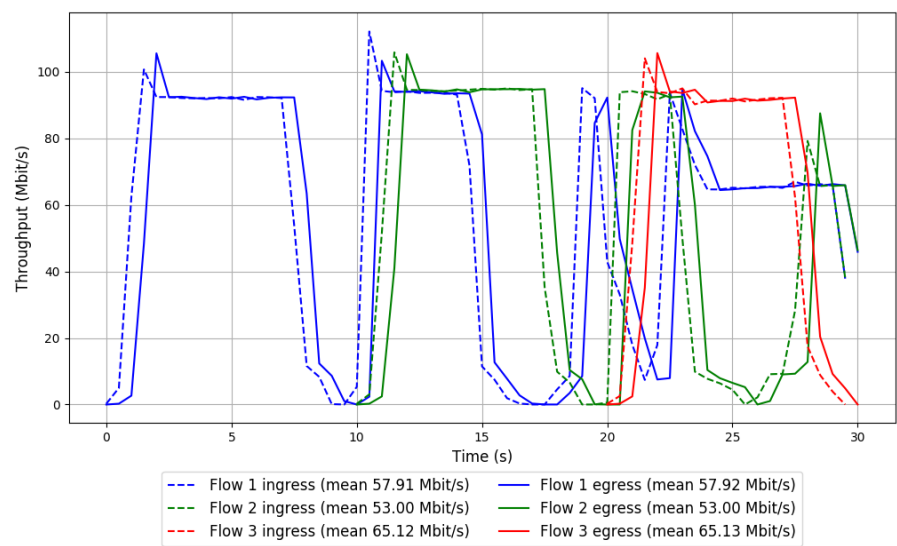


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-31 13:24:14
End at: 2018-05-31 13:24:44
Local clock offset: -0.004 ms
Remote clock offset: -0.196 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 114.29 Mbit/s
95th percentile per-packet one-way delay: 63.433 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 63.275 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 53.00 Mbit/s
95th percentile per-packet one-way delay: 63.415 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.13 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

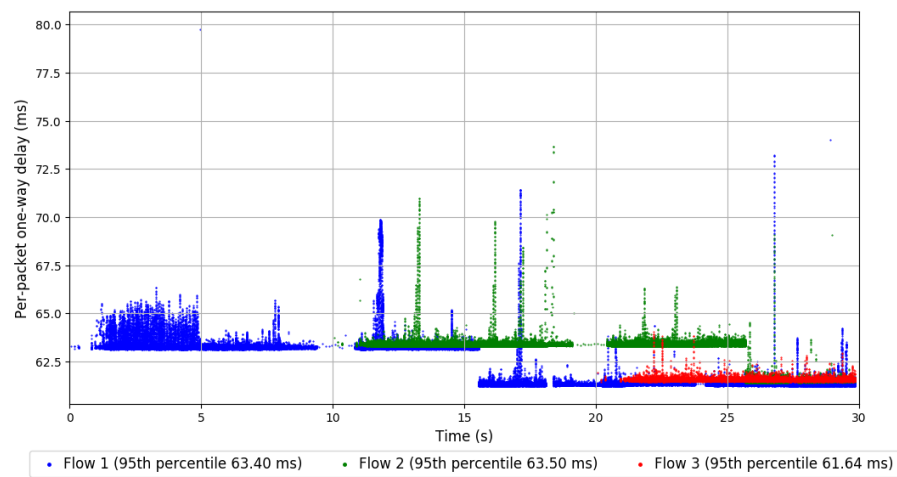
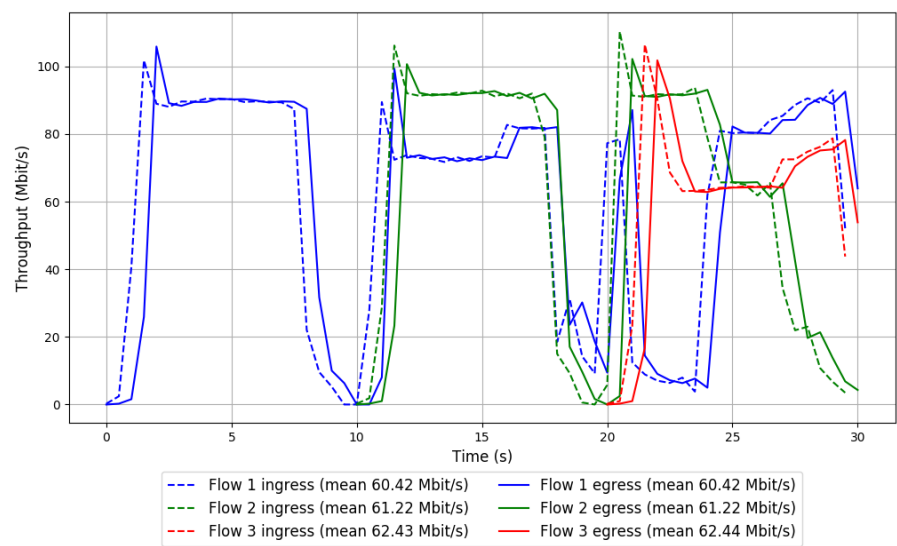


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-31 13:46:59
End at: 2018-05-31 13:47:29
Local clock offset: -0.004 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 121.56 Mbit/s
95th percentile per-packet one-way delay: 63.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.42 Mbit/s
95th percentile per-packet one-way delay: 63.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.22 Mbit/s
95th percentile per-packet one-way delay: 63.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.44 Mbit/s
95th percentile per-packet one-way delay: 61.637 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

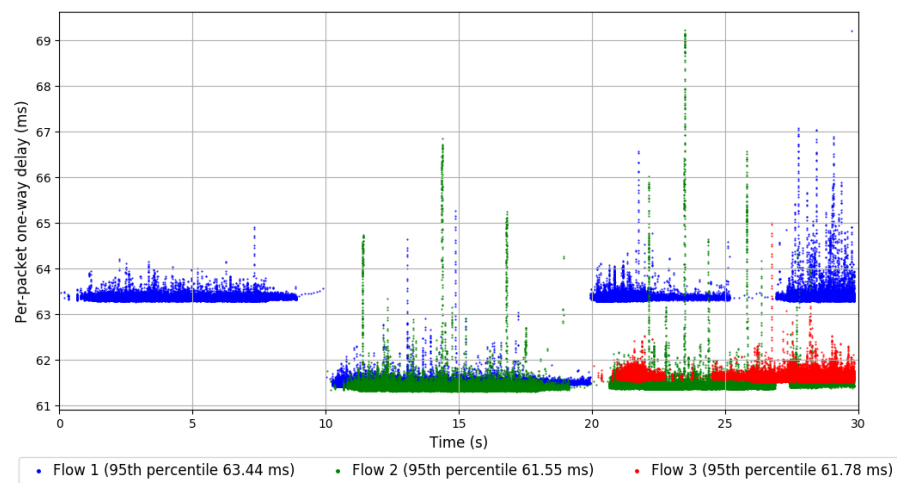
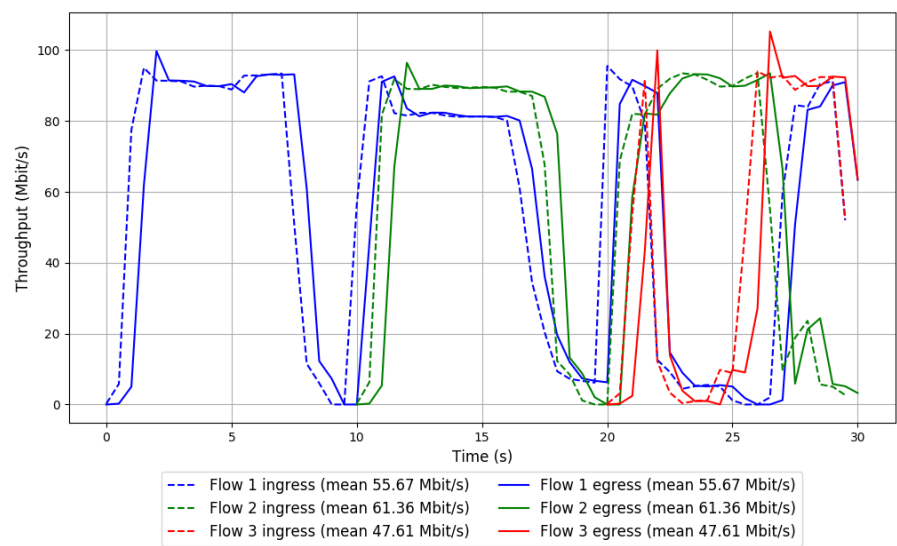


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-31 14:09:45
End at: 2018-05-31 14:10:15
Local clock offset: 0.04 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 112.01 Mbit/s
95th percentile per-packet one-way delay: 63.403 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.67 Mbit/s
95th percentile per-packet one-way delay: 63.437 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 61.36 Mbit/s
95th percentile per-packet one-way delay: 61.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 47.61 Mbit/s
95th percentile per-packet one-way delay: 61.779 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

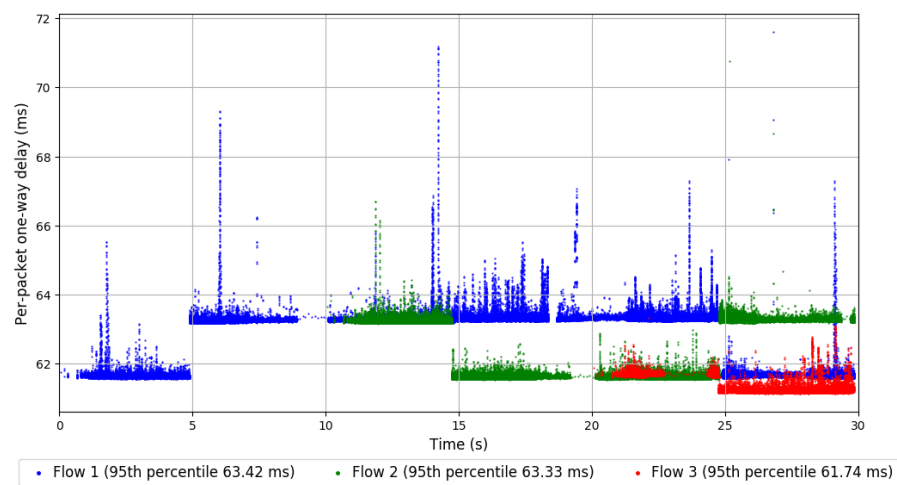
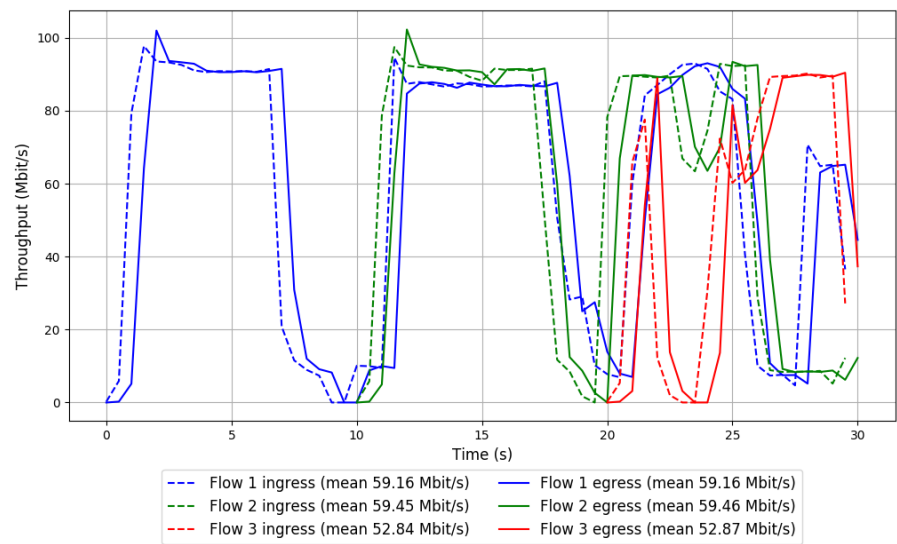


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-31 14:32:30
End at: 2018-05-31 14:33:00
Local clock offset: -0.033 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 115.98 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 63.425 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.46 Mbit/s
95th percentile per-packet one-way delay: 63.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 61.743 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

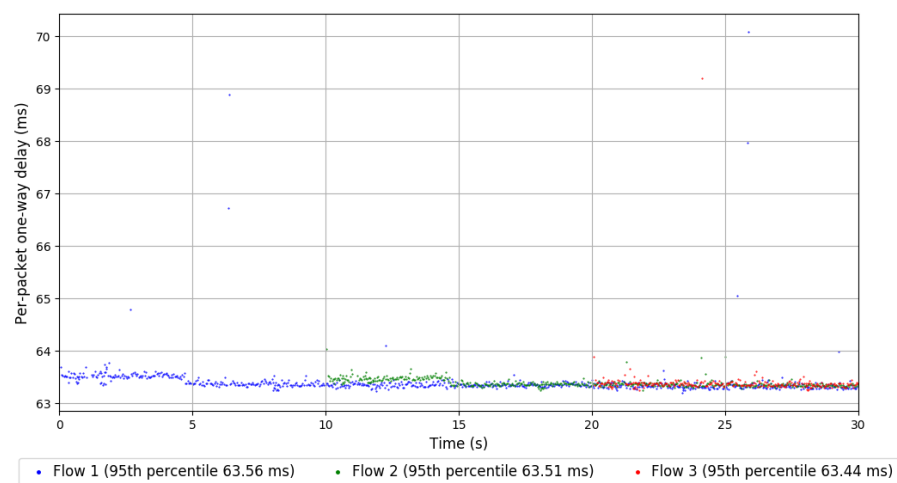
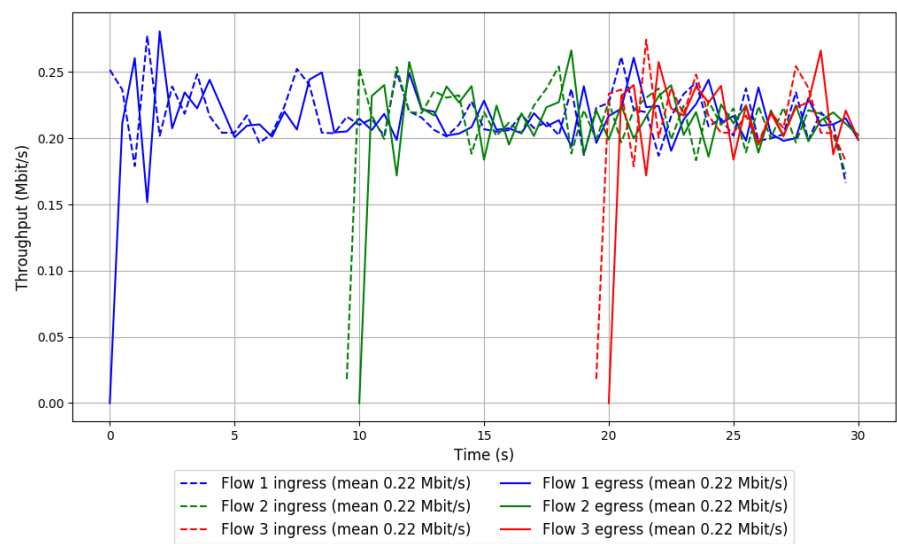


Run 1: Statistics of SReAM

Start at: 2018-05-31 10:55:40
End at: 2018-05-31 10:56:10
Local clock offset: -0.426 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.443 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

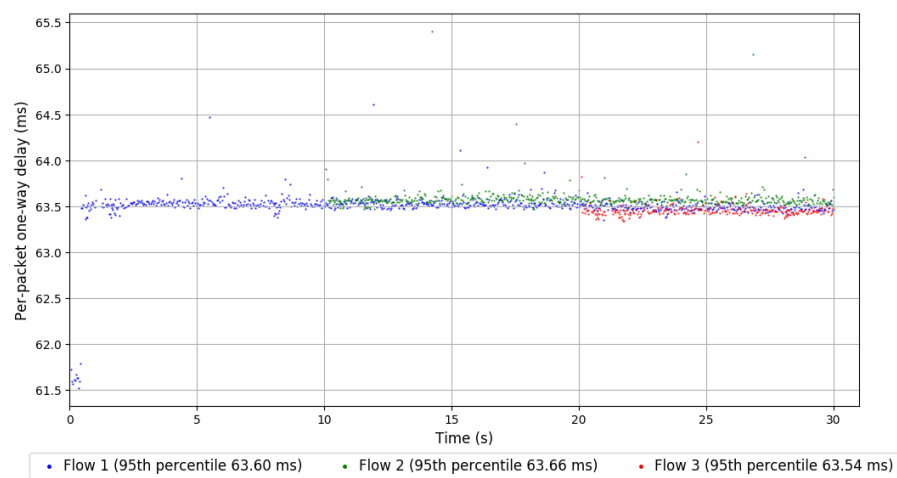
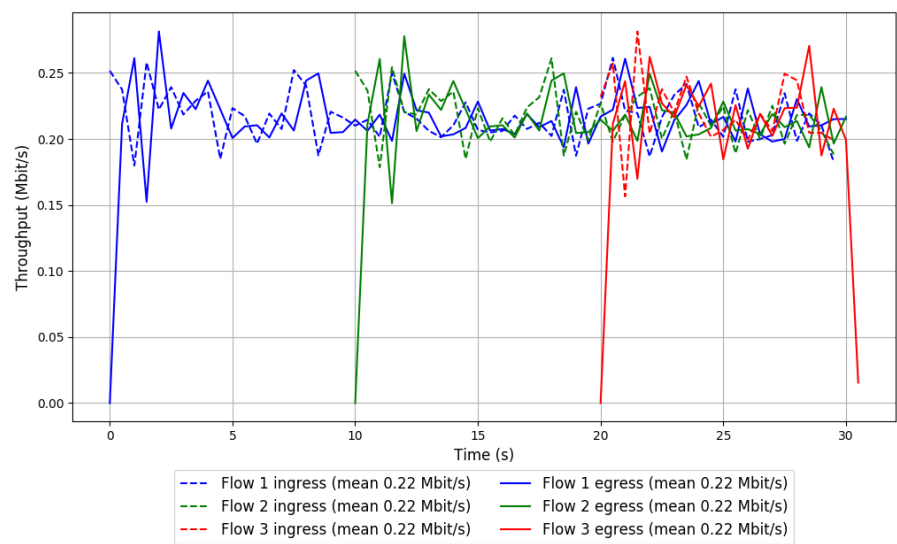


Run 2: Statistics of SReAM

Start at: 2018-05-31 11:17:44
End at: 2018-05-31 11:18:14
Local clock offset: -0.575 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.664 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.538 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

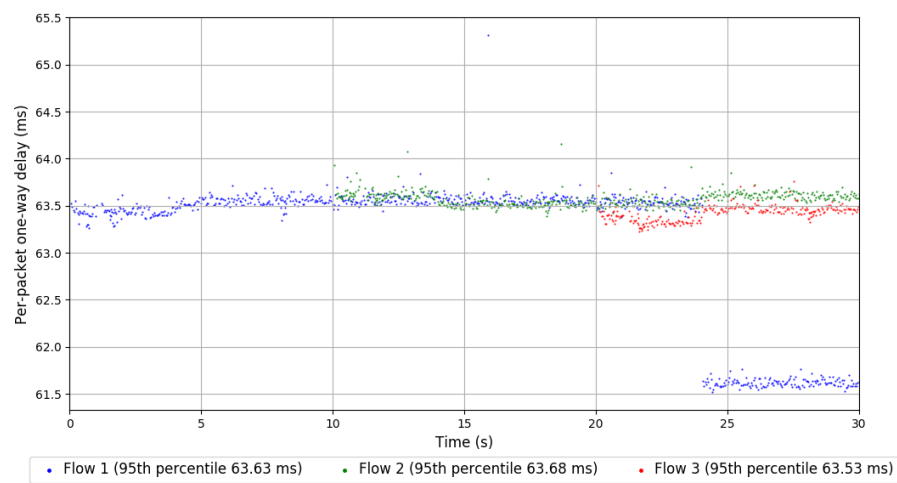
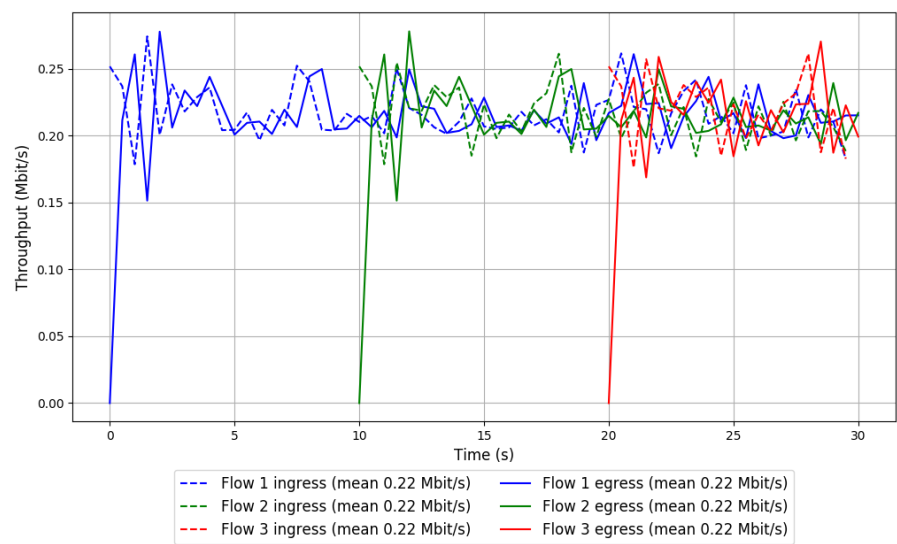


Run 3: Statistics of SCReAM

Start at: 2018-05-31 11:40:31
End at: 2018-05-31 11:41:01
Local clock offset: -0.006 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.650 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.526 ms
Loss rate: 0.35%

Run 3: Report of SReAM — Data Link

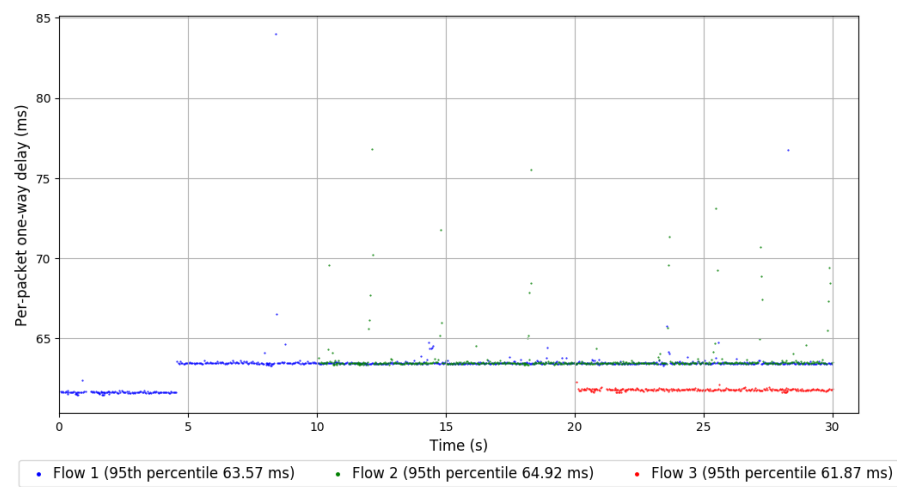
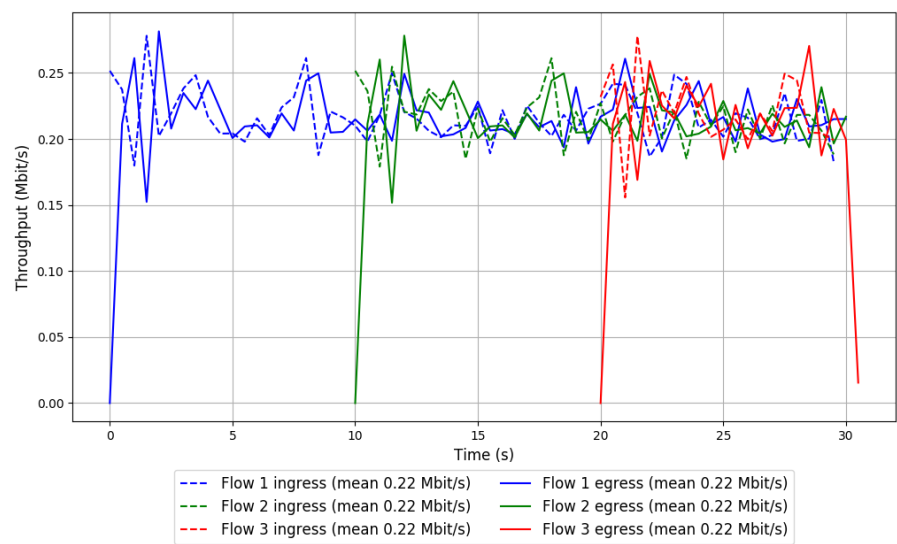


Run 4: Statistics of SReAM

Start at: 2018-05-31 12:03:10
End at: 2018-05-31 12:03:40
Local clock offset: 0.095 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.574 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.925 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.866 ms
Loss rate: 0.00%

Run 4: Report of SCReAM — Data Link

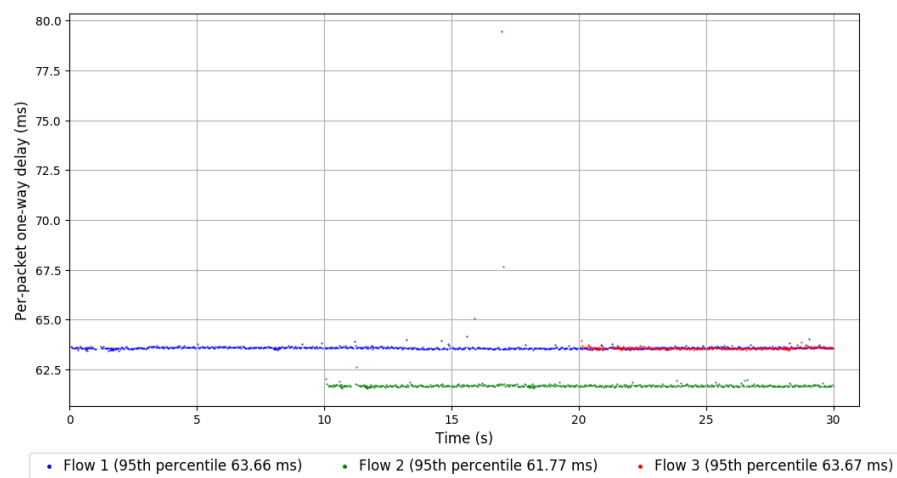
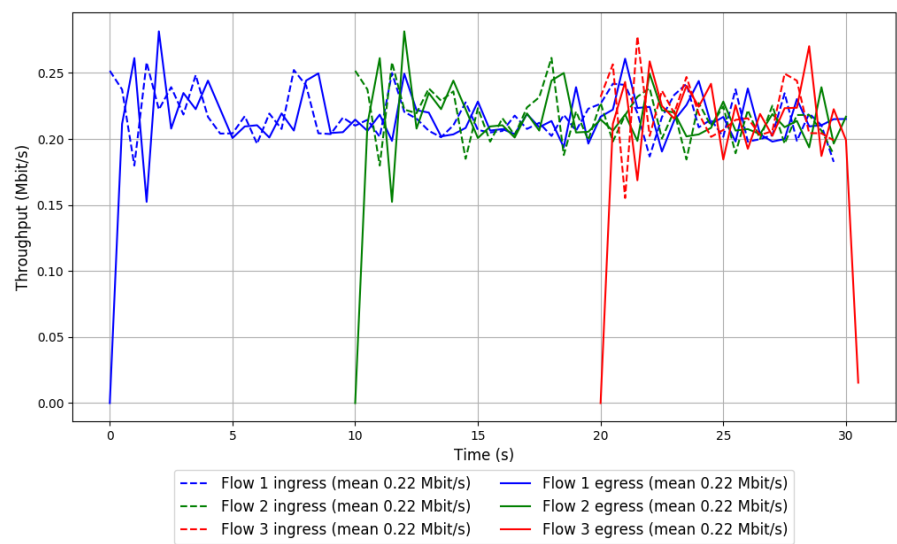


Run 5: Statistics of SReAM

Start at: 2018-05-31 12:26:02
End at: 2018-05-31 12:26:32
Local clock offset: 0.063 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.772 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%

Run 5: Report of SCSReAM — Data Link

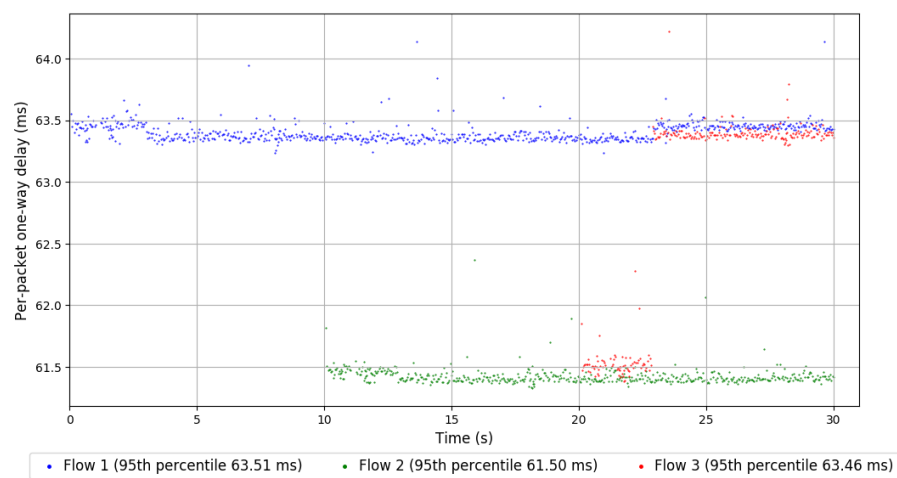
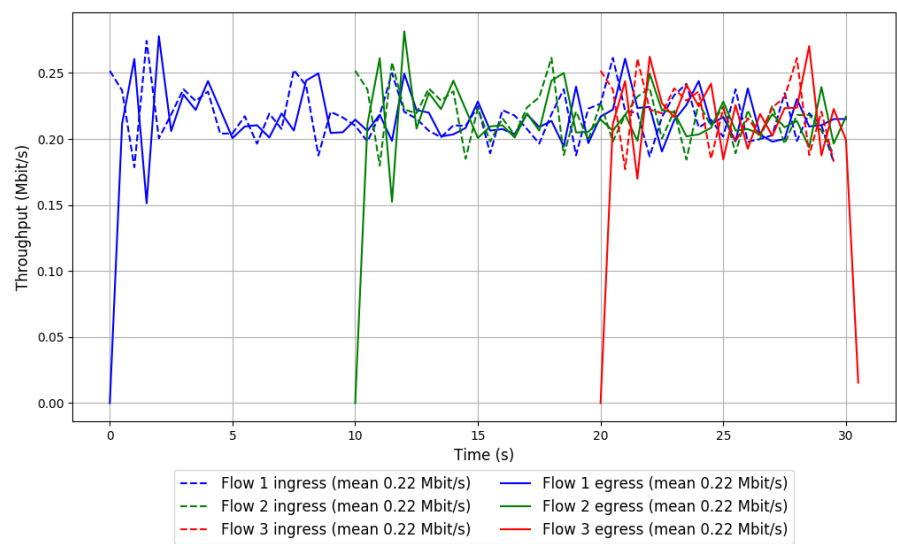


Run 6: Statistics of SReAM

Start at: 2018-05-31 12:48:32
End at: 2018-05-31 12:49:02
Local clock offset: -0.047 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.506 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.499 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.459 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

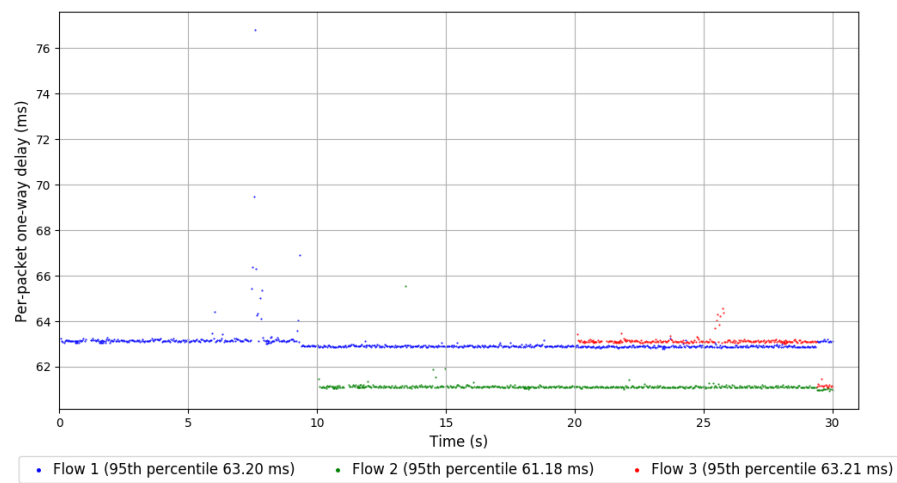
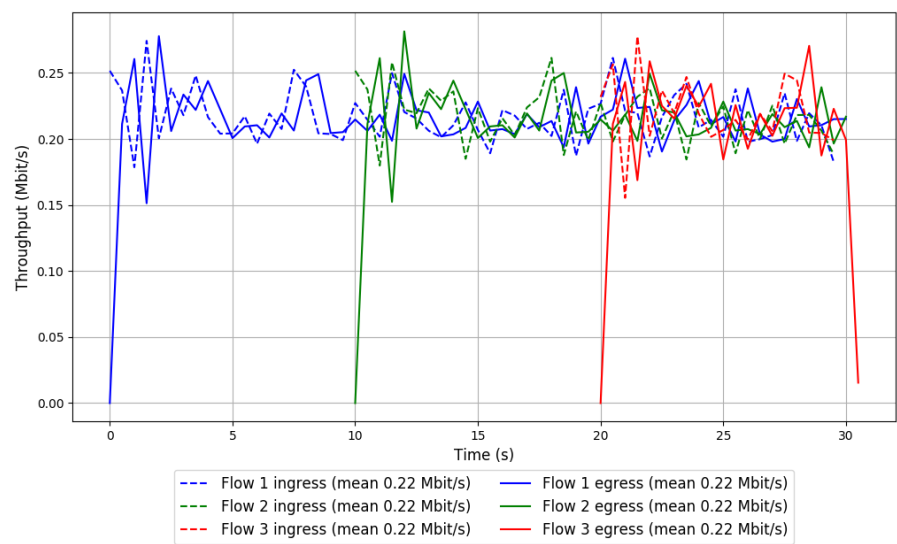


Run 7: Statistics of SReAM

Start at: 2018-05-31 13:11:05
End at: 2018-05-31 13:11:35
Local clock offset: -0.013 ms
Remote clock offset: -0.462 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.177 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.206 ms
Loss rate: 0.00%

Run 7: Report of SCSReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-05-31 13:33:47

End at: 2018-05-31 13:34:17

Local clock offset: -0.017 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at 2018-05-31 16:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 64.018 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.899 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.881 ms

Loss rate: 0.00%

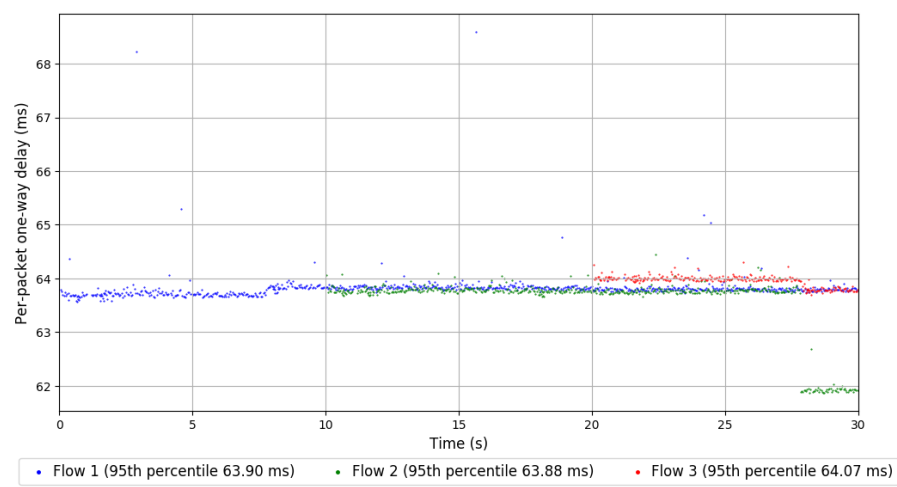
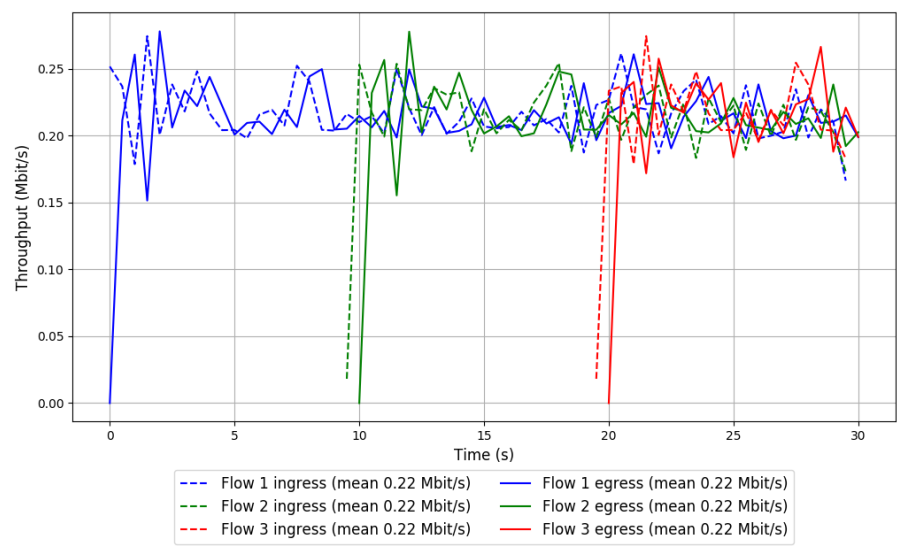
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.073 ms

Loss rate: 0.00%

Run 8: Report of SCReAM — Data Link

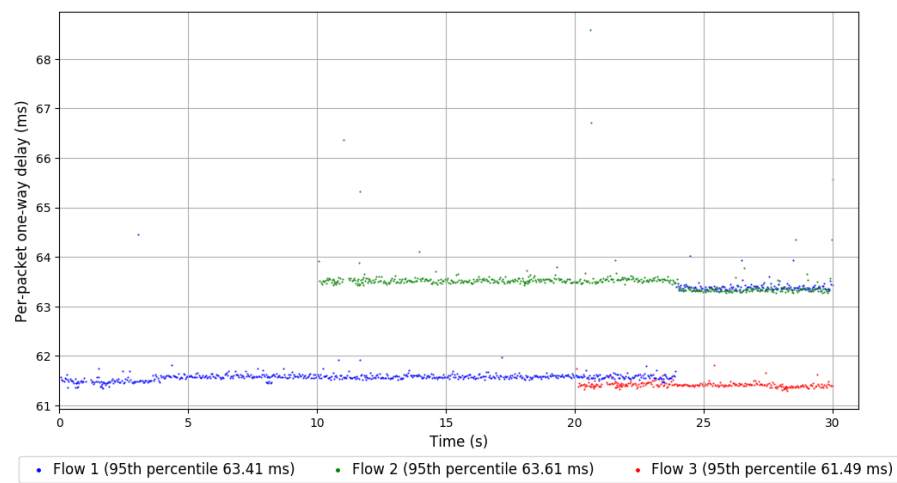
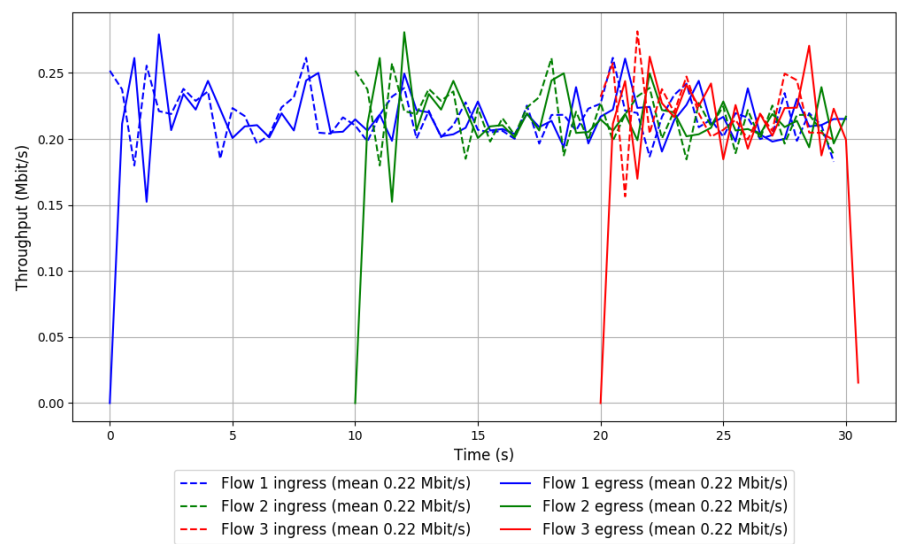


Run 9: Statistics of SReAM

Start at: 2018-05-31 13:56:31
End at: 2018-05-31 13:57:01
Local clock offset: 0.017 ms
Remote clock offset: -0.121 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.407 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.494 ms
Loss rate: 0.00%

Run 9: Report of SCSReAM — Data Link

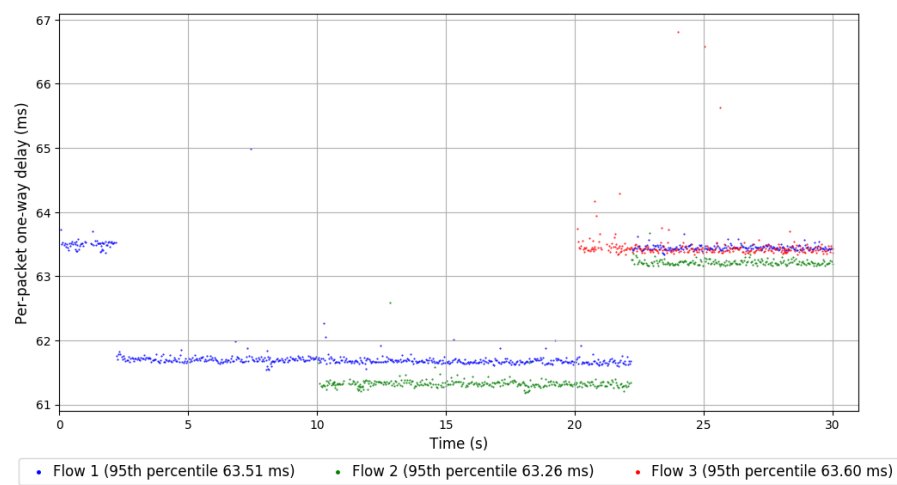
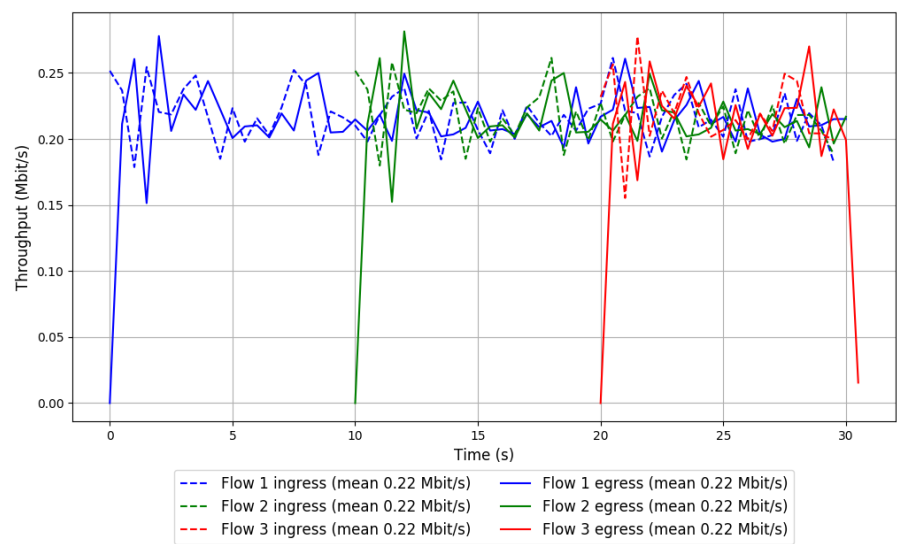


Run 10: Statistics of SReAM

Start at: 2018-05-31 14:19:12
End at: 2018-05-31 14:19:42
Local clock offset: -0.031 ms
Remote clock offset: -0.124 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 63.503 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.260 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.597 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

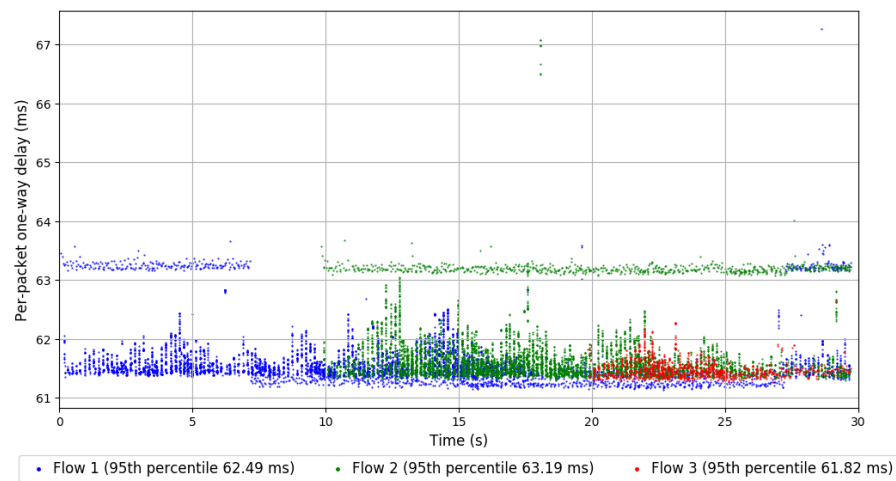
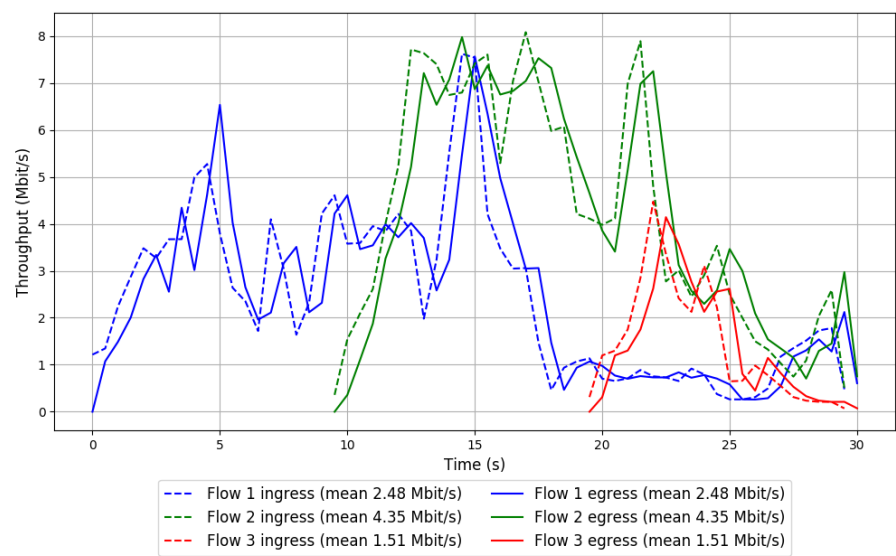


Run 1: Statistics of Sprout

Start at: 2018-05-31 11:09:37
End at: 2018-05-31 11:10:07
Local clock offset: -0.556 ms
Remote clock offset: -0.257 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 63.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 62.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 63.186 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 61.822 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

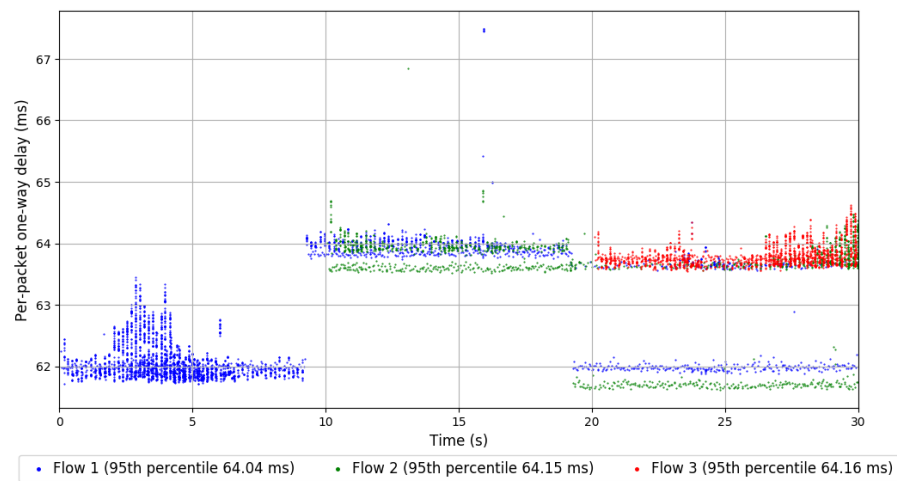
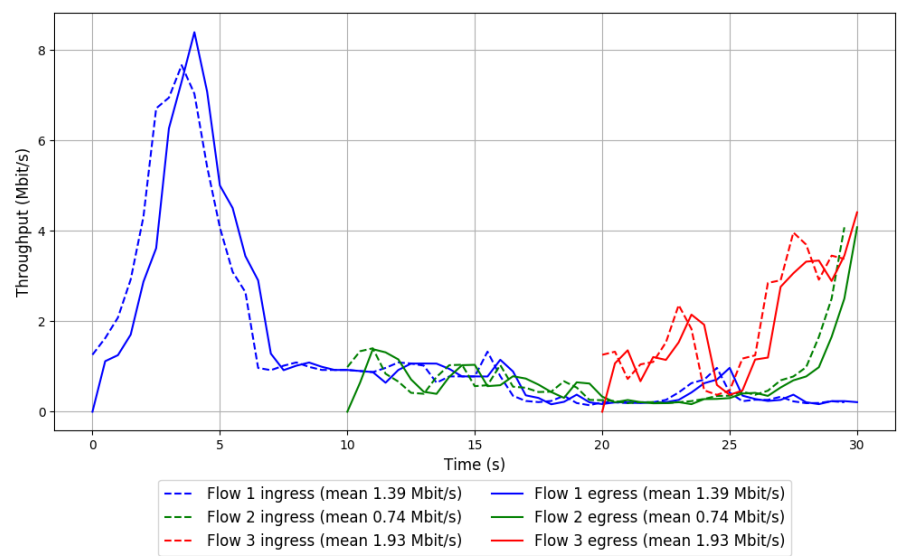


Run 2: Statistics of Sprout

Start at: 2018-05-31 11:32:15
End at: 2018-05-31 11:32:45
Local clock offset: -0.171 ms
Remote clock offset: 0.27 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 64.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 64.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 64.151 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 64.163 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

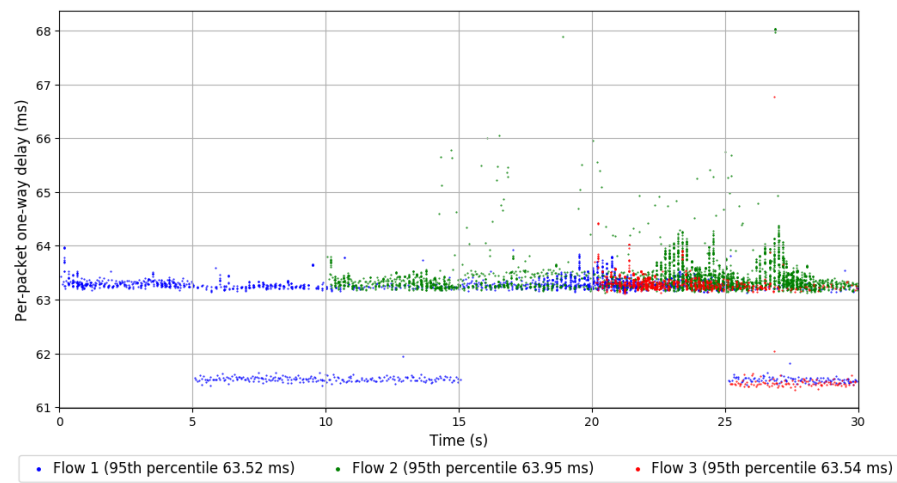
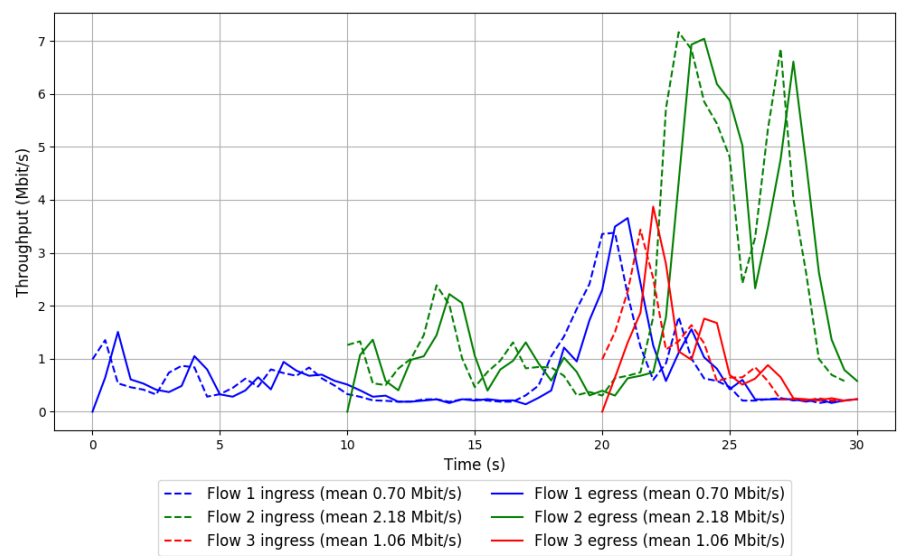


Run 3: Statistics of Sprout

Start at: 2018-05-31 11:54:59
End at: 2018-05-31 11:55:29
Local clock offset: 0.135 ms
Remote clock offset: -0.104 ms

```
# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 63.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 63.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 63.945 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 63.537 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

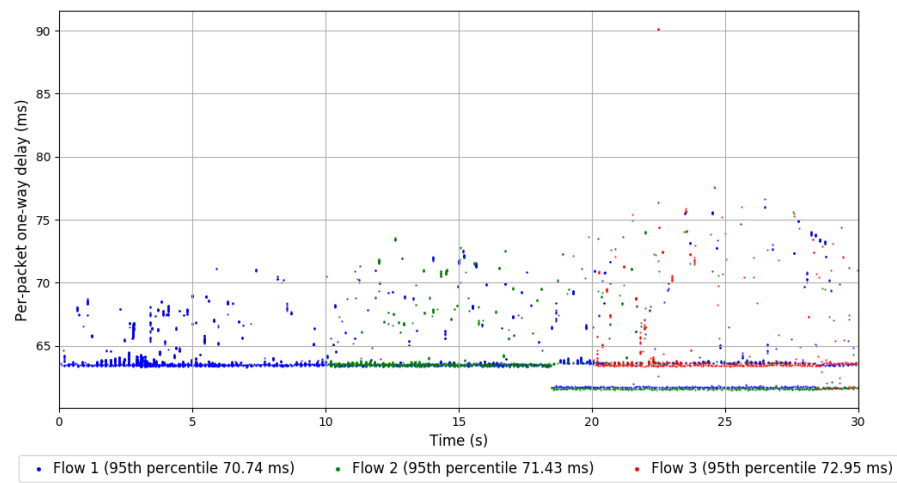
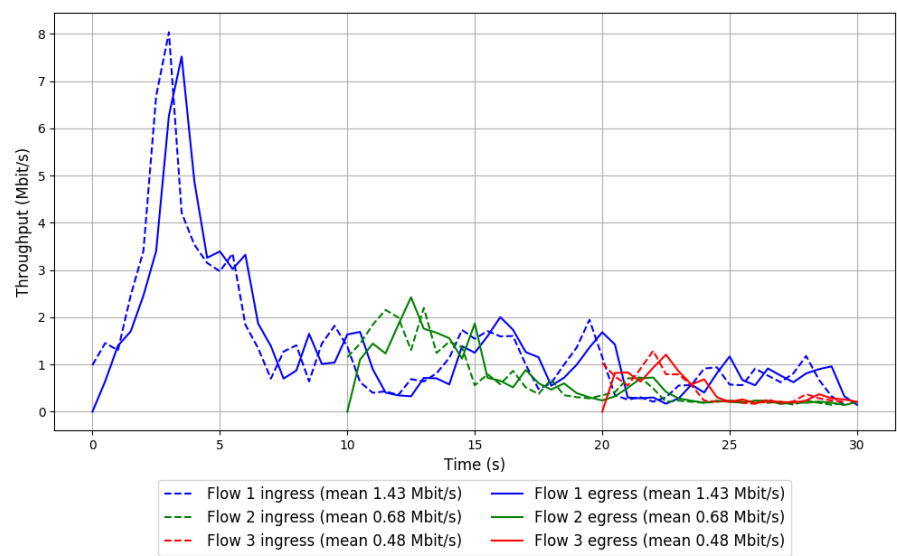


Run 4: Statistics of Sprout

Start at: 2018-05-31 12:17:56
End at: 2018-05-31 12:18:26
Local clock offset: 0.056 ms
Remote clock offset: 0.027 ms

```
# Below is generated by plot.py at 2018-05-31 16:19:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 71.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 70.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 71.431 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 72.955 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

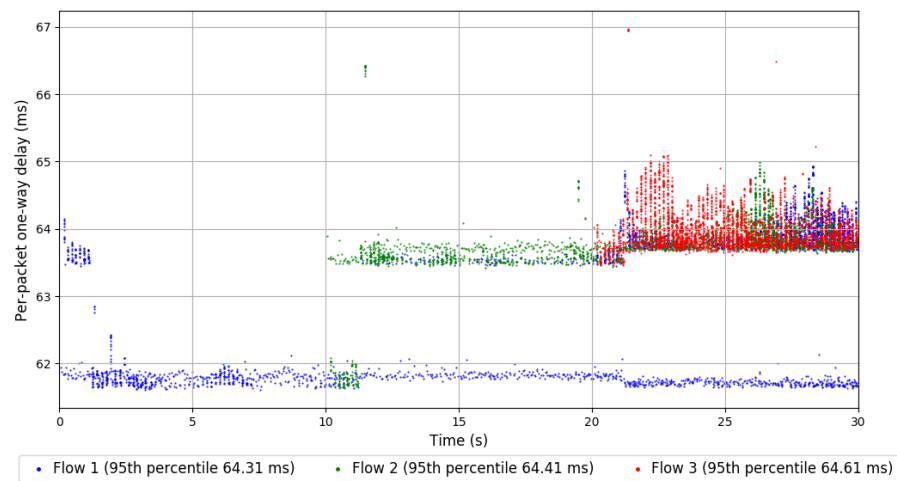
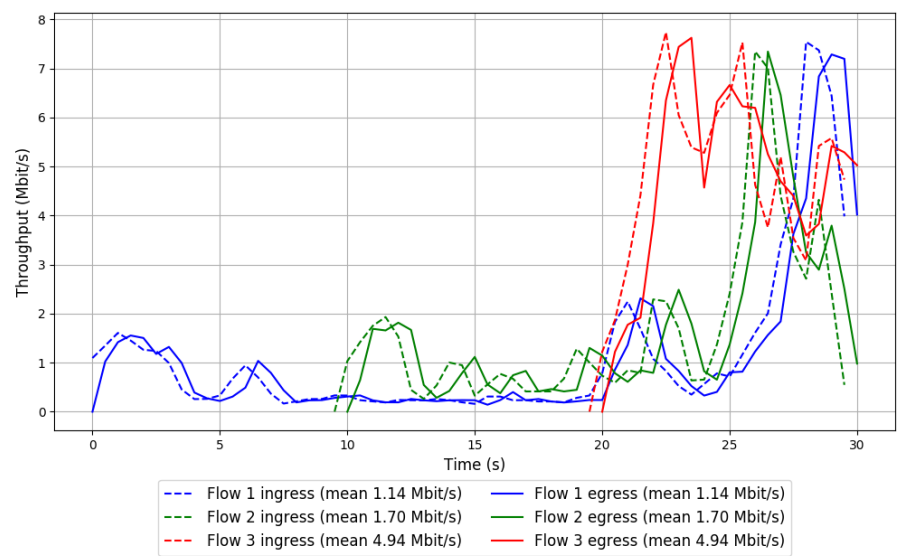


Run 5: Statistics of Sprout

Start at: 2018-05-31 12:40:33
End at: 2018-05-31 12:41:03
Local clock offset: -0.019 ms
Remote clock offset: 0.107 ms

Below is generated by plot.py at 2018-05-31 16:19:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 64.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 64.308 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 64.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.94 Mbit/s
95th percentile per-packet one-way delay: 64.606 ms
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-31 13:02:56

End at: 2018-05-31 13:03:26

Local clock offset: -0.04 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-05-31 16:19:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 63.986 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.65 Mbit/s

95th percentile per-packet one-way delay: 64.037 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 63.839 ms

Loss rate: 0.00%

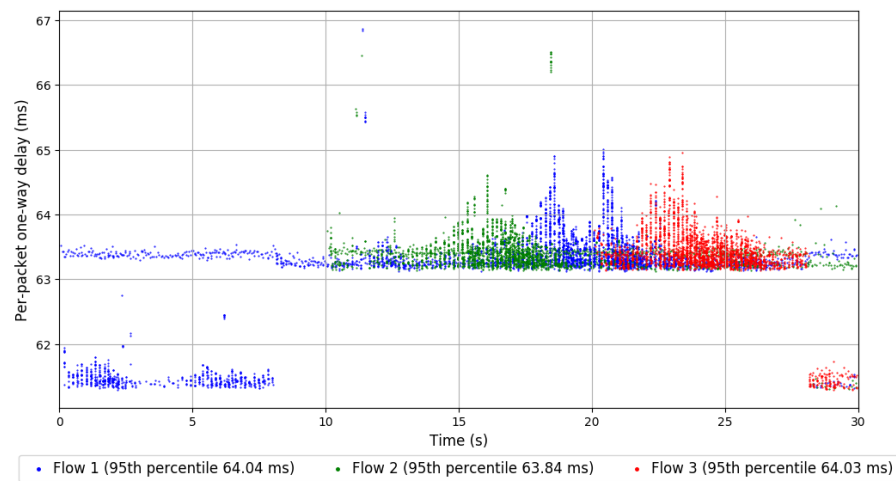
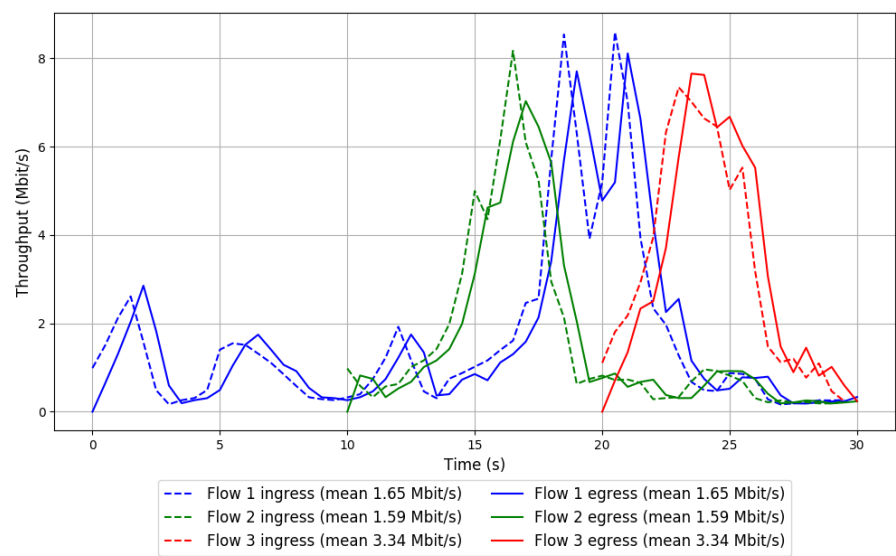
-- Flow 3:

Average throughput: 3.34 Mbit/s

95th percentile per-packet one-way delay: 64.032 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

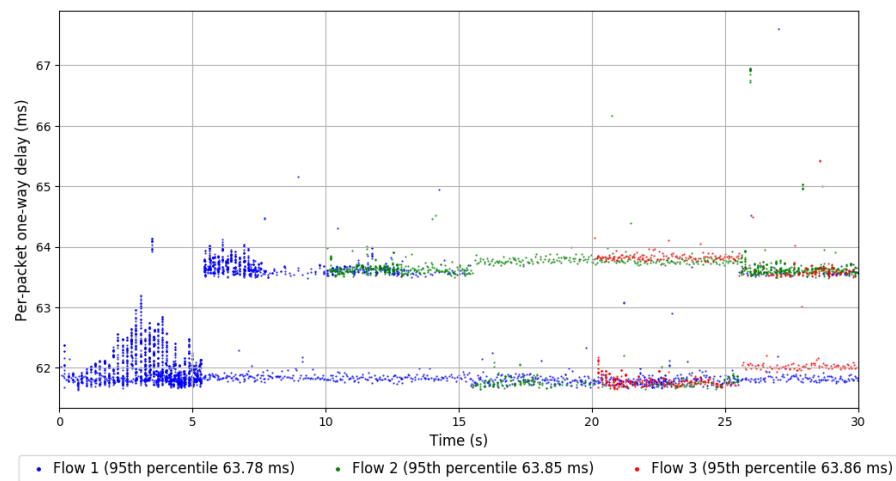
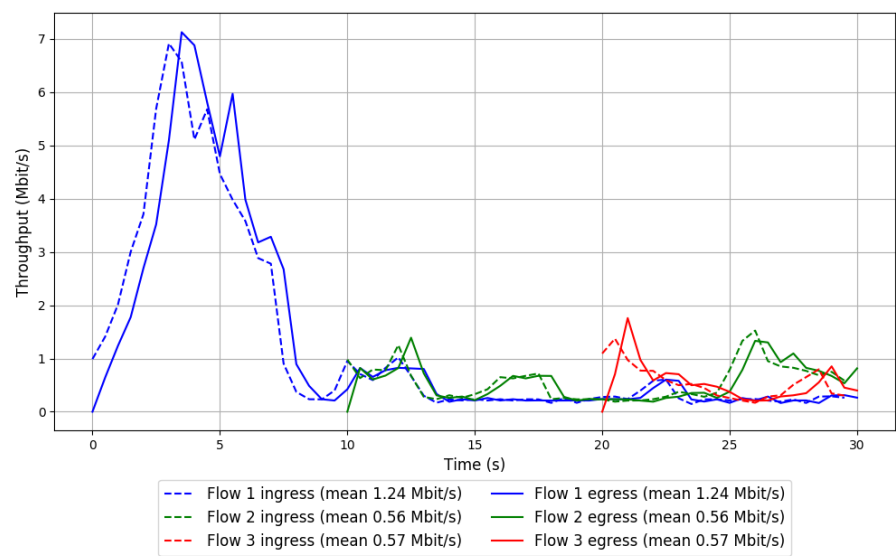


Run 7: Statistics of Sprout

Start at: 2018-05-31 13:25:29
End at: 2018-05-31 13:25:59
Local clock offset: -0.073 ms
Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-05-31 16:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 63.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 63.785 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 63.851 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 63.861 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

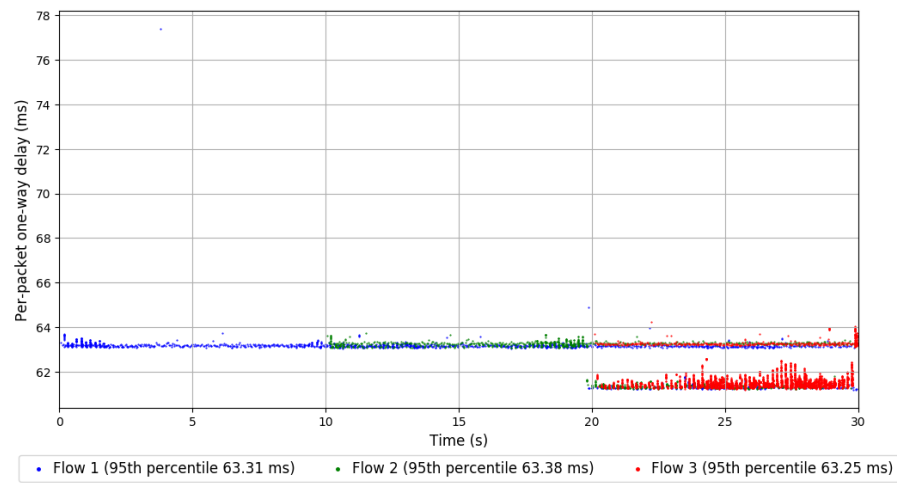
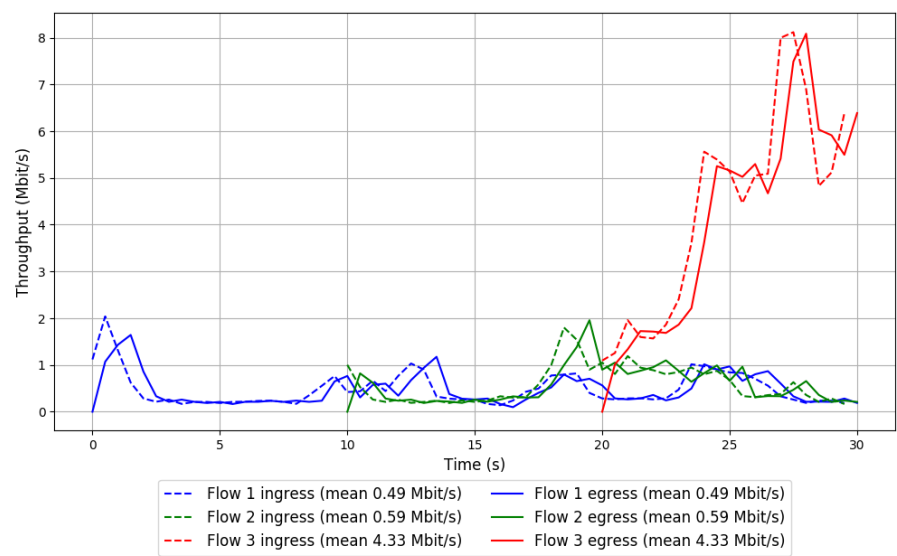


Run 8: Statistics of Sprout

Start at: 2018-05-31 13:48:15
End at: 2018-05-31 13:48:45
Local clock offset: 0.027 ms
Remote clock offset: -0.168 ms

Below is generated by plot.py at 2018-05-31 16:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 63.309 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 63.381 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 63.253 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2018-05-31 14:11:00

End at: 2018-05-31 14:11:30

Local clock offset: 0.008 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-05-31 16:19:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 63.968 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 63.904 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 63.988 ms

Loss rate: 0.00%

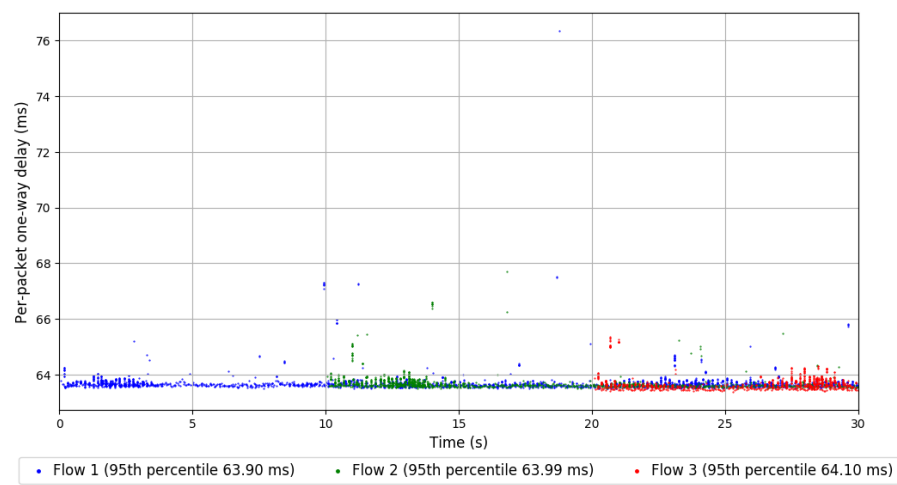
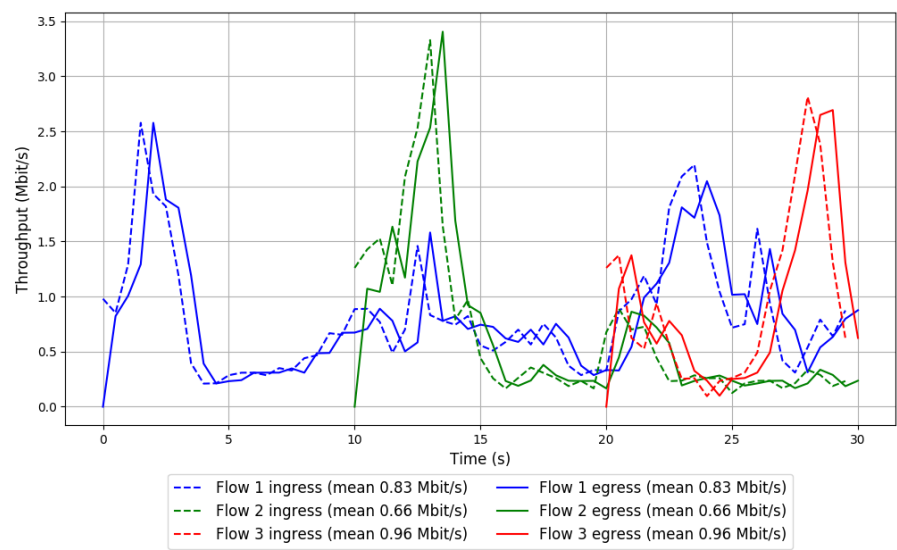
-- Flow 3:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 64.104 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

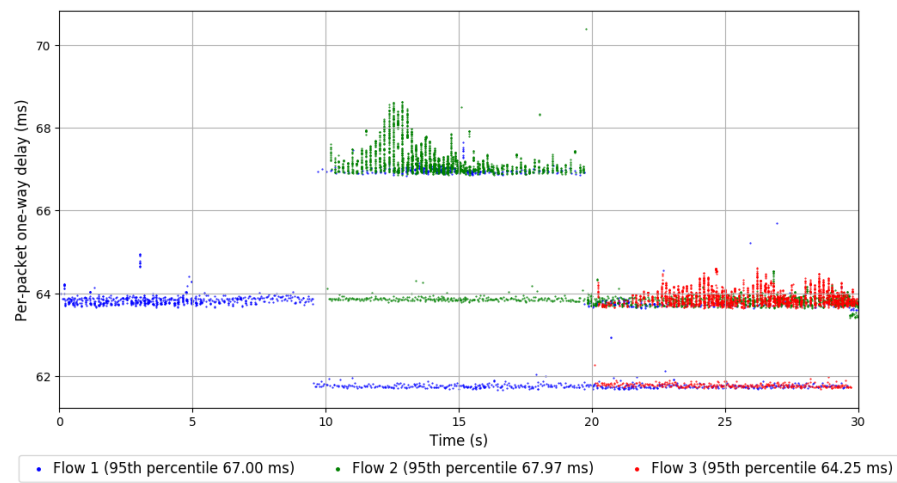
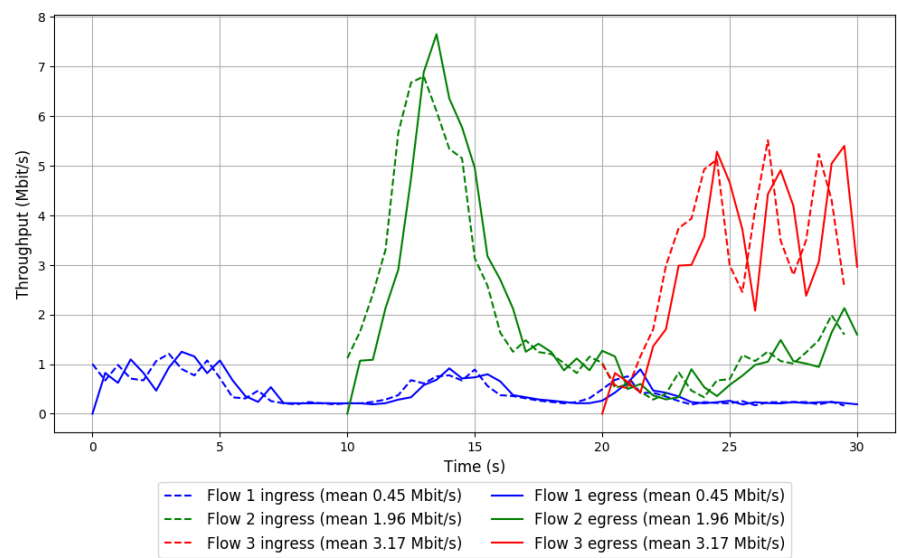


Run 10: Statistics of Sprout

Start at: 2018-05-31 14:33:45
End at: 2018-05-31 14:34:15
Local clock offset: -0.016 ms
Remote clock offset: 0.255 ms

Below is generated by plot.py at 2018-05-31 16:19:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 67.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 66.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 67.967 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.17 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

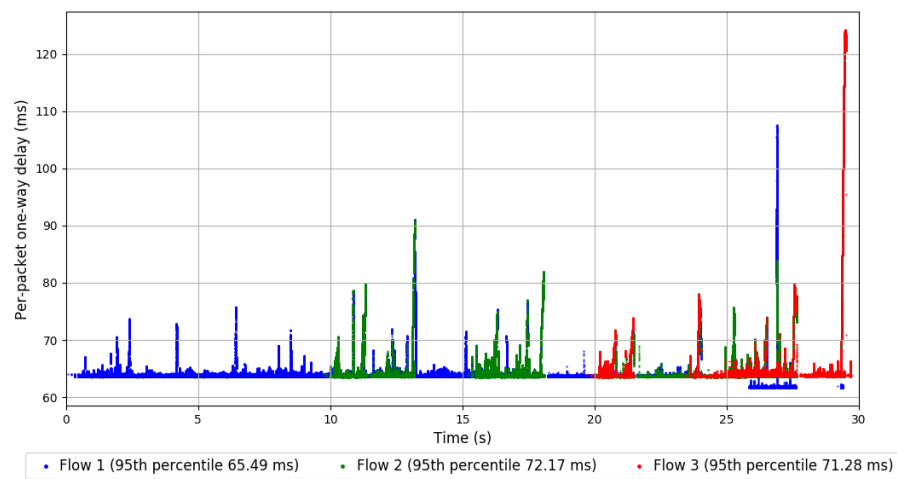
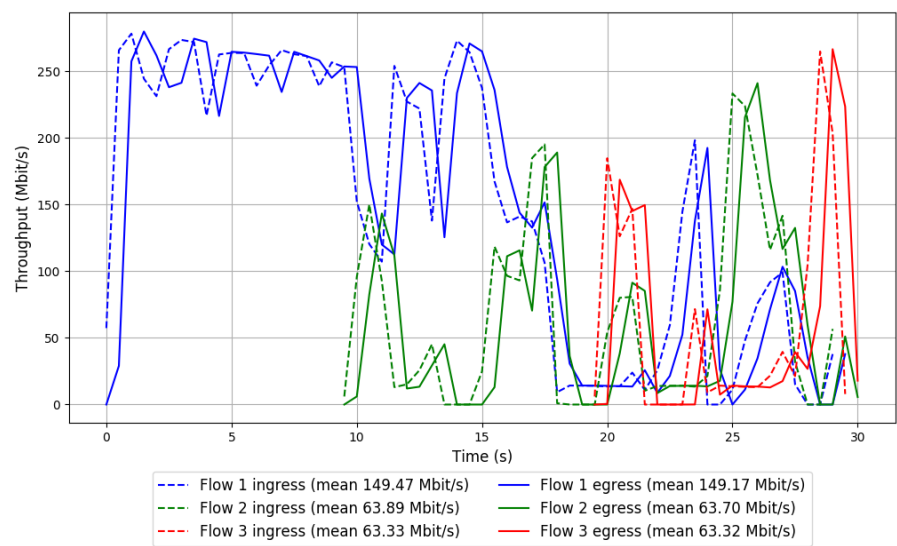


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-05-31 10:51:18
End at: 2018-05-31 10:51:48
Local clock offset: -0.461 ms
Remote clock offset: 0.145 ms

# Below is generated by plot.py at 2018-05-31 16:19:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 211.76 Mbit/s
95th percentile per-packet one-way delay: 67.780 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 149.17 Mbit/s
95th percentile per-packet one-way delay: 65.487 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 63.70 Mbit/s
95th percentile per-packet one-way delay: 72.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 71.279 ms
Loss rate: 0.00%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-31 11:13:21

End at: 2018-05-31 11:13:51

Local clock offset: -0.582 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-05-31 16:19:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.96 Mbit/s

95th percentile per-packet one-way delay: 63.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 137.48 Mbit/s

95th percentile per-packet one-way delay: 62.452 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.18 Mbit/s

95th percentile per-packet one-way delay: 63.931 ms

Loss rate: 0.00%

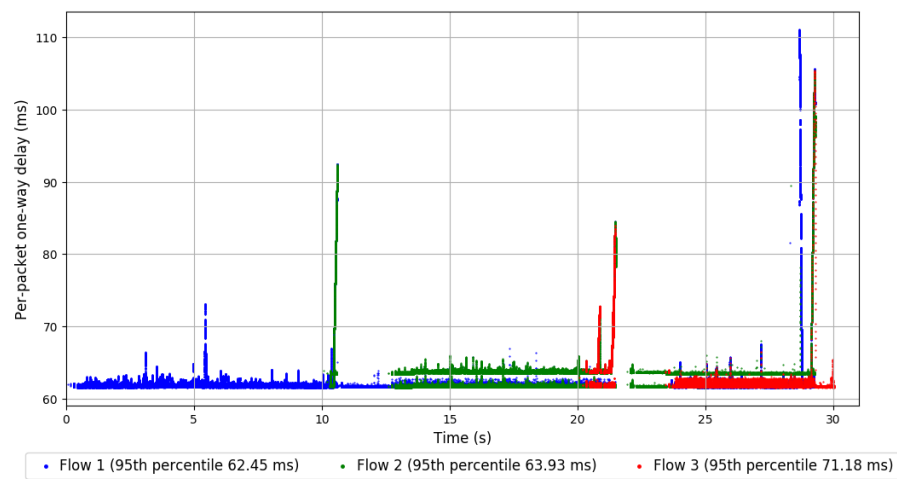
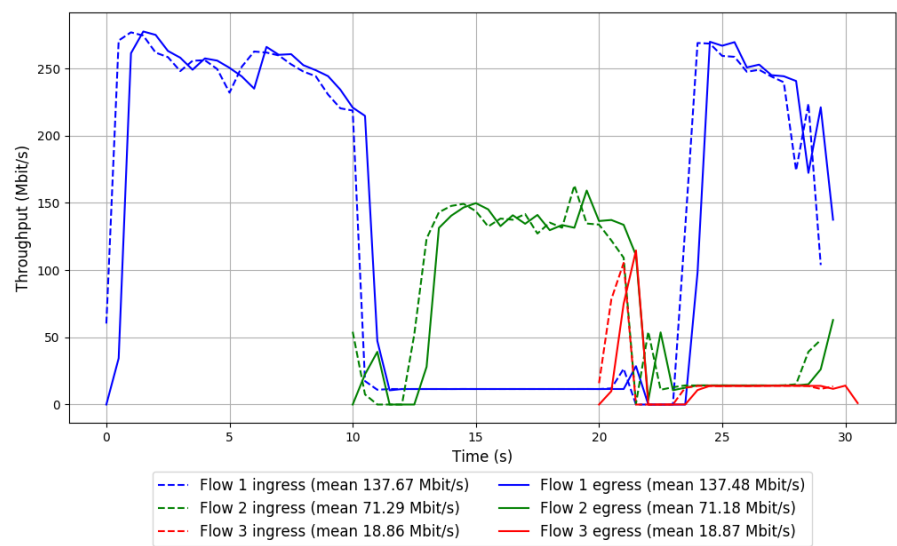
-- Flow 3:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 71.176 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-05-31 11:35:59

End at: 2018-05-31 11:36:29

Local clock offset: -0.059 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-05-31 16:21:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 266.68 Mbit/s

95th percentile per-packet one-way delay: 65.209 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 164.42 Mbit/s

95th percentile per-packet one-way delay: 64.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 85.36 Mbit/s

95th percentile per-packet one-way delay: 67.307 ms

Loss rate: 0.00%

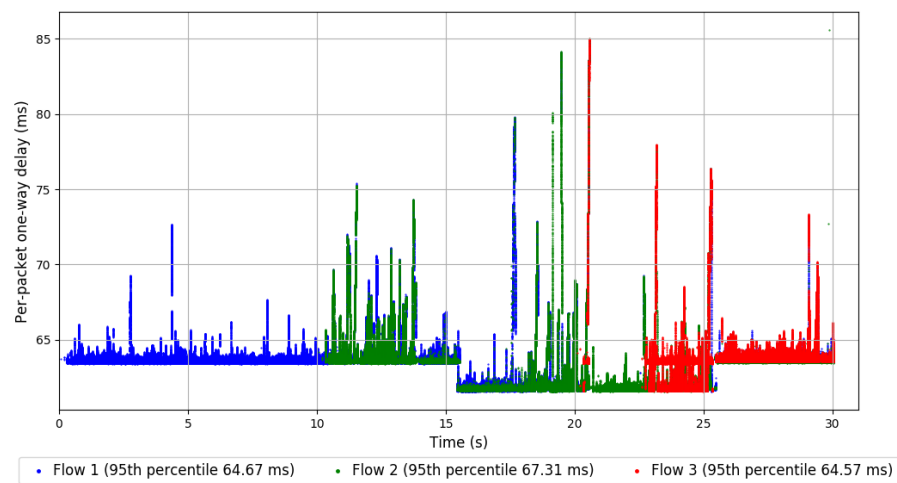
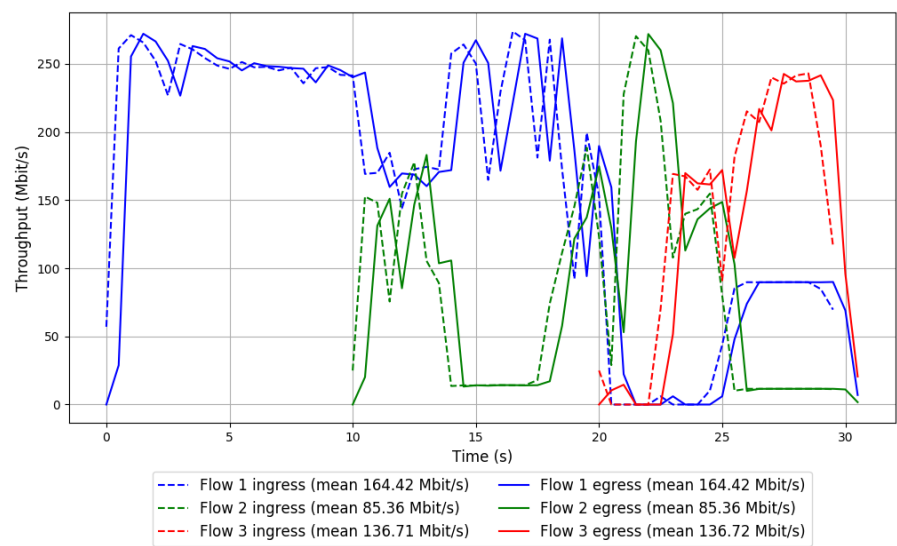
-- Flow 3:

Average throughput: 136.72 Mbit/s

95th percentile per-packet one-way delay: 64.566 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-05-31 11:58:43

End at: 2018-05-31 11:59:13

Local clock offset: 0.124 ms

Remote clock offset: -0.12 ms

Below is generated by plot.py at 2018-05-31 16:21:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.08 Mbit/s

95th percentile per-packet one-way delay: 64.191 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 139.62 Mbit/s

95th percentile per-packet one-way delay: 63.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 64.482 ms

Loss rate: 0.00%

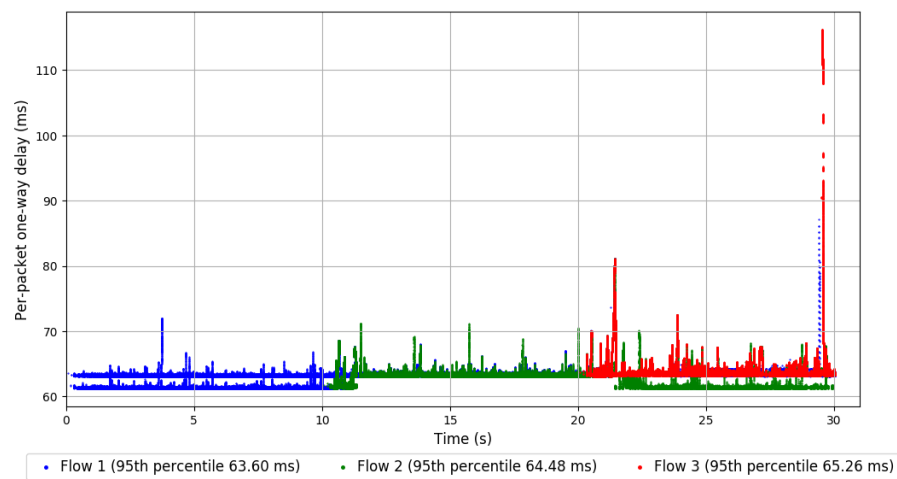
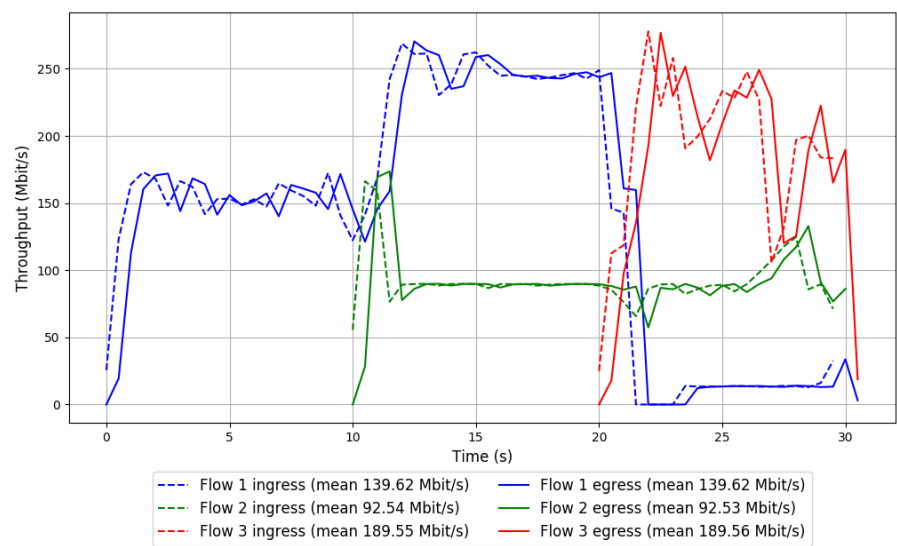
-- Flow 3:

Average throughput: 189.56 Mbit/s

95th percentile per-packet one-way delay: 65.263 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-05-31 12:21:40

End at: 2018-05-31 12:22:10

Local clock offset: -0.004 ms

Remote clock offset: 0.16 ms

Below is generated by plot.py at 2018-05-31 16:21:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 194.05 Mbit/s

95th percentile per-packet one-way delay: 67.388 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 129.75 Mbit/s

95th percentile per-packet one-way delay: 64.752 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 70.543 ms

Loss rate: 0.00%

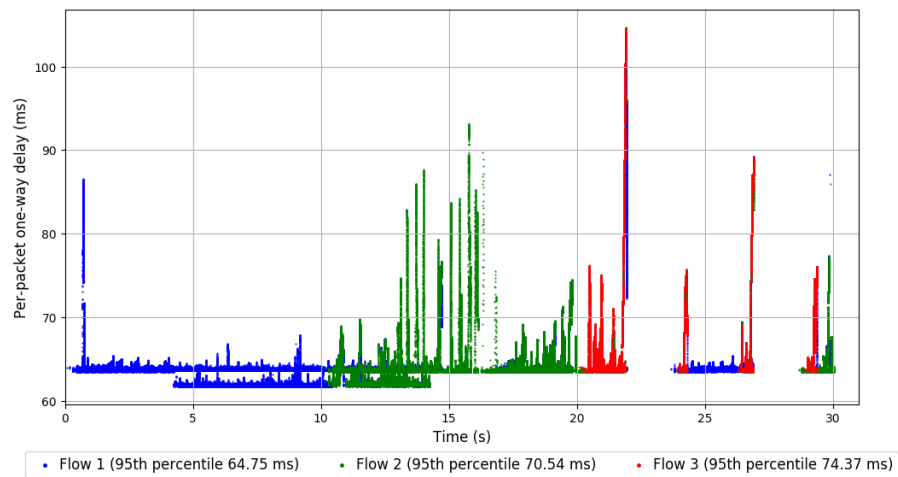
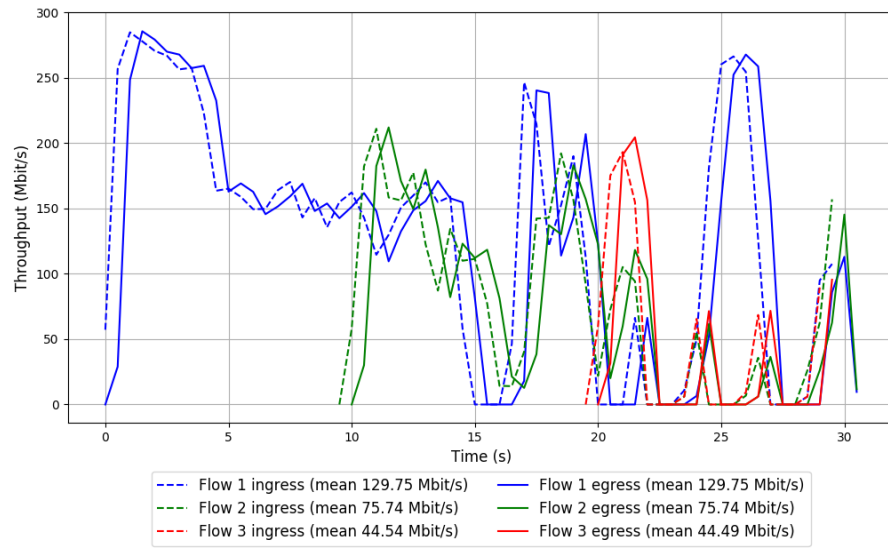
-- Flow 3:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 74.366 ms

Loss rate: 0.00%

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

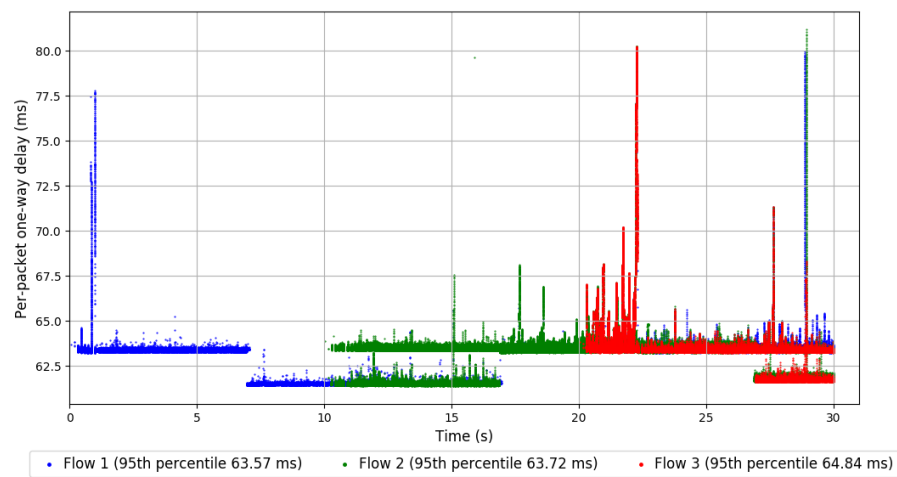
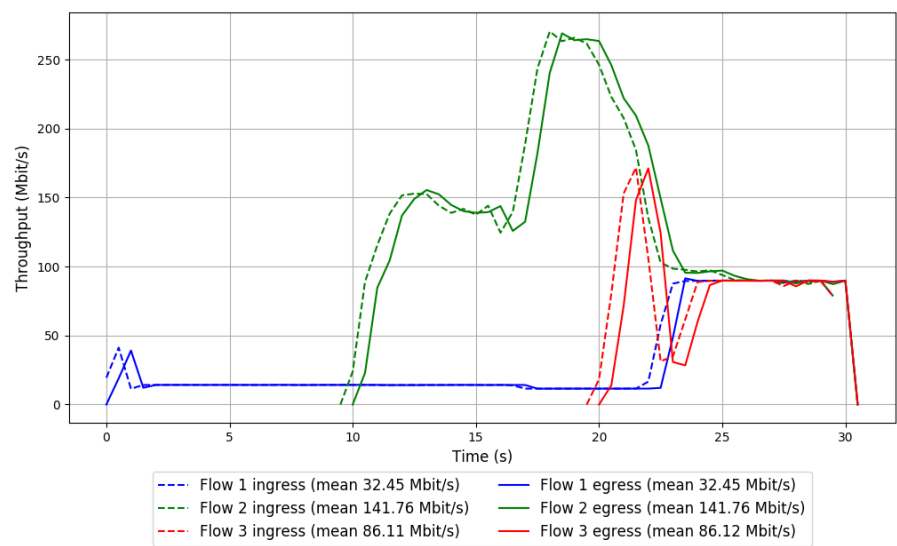


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-31 12:44:18
End at: 2018-05-31 12:44:48
Local clock offset: -0.004 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-05-31 16:21:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 155.70 Mbit/s
95th percentile per-packet one-way delay: 63.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 63.571 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 141.76 Mbit/s
95th percentile per-packet one-way delay: 63.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.12 Mbit/s
95th percentile per-packet one-way delay: 64.838 ms
Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-05-31 13:06:40

End at: 2018-05-31 13:07:10

Local clock offset: -0.024 ms

Remote clock offset: 0.092 ms

Below is generated by plot.py at 2018-05-31 16:22:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.05 Mbit/s

95th percentile per-packet one-way delay: 64.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 173.43 Mbit/s

95th percentile per-packet one-way delay: 63.819 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 67.337 ms

Loss rate: 0.02%

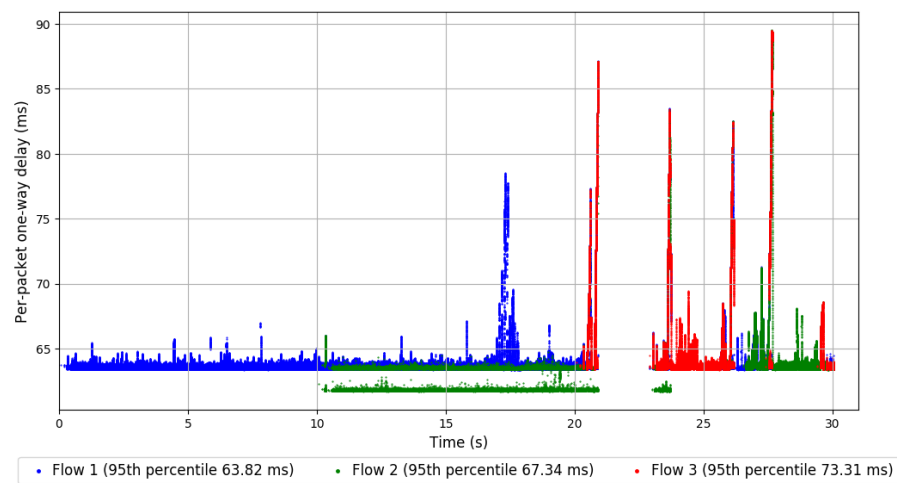
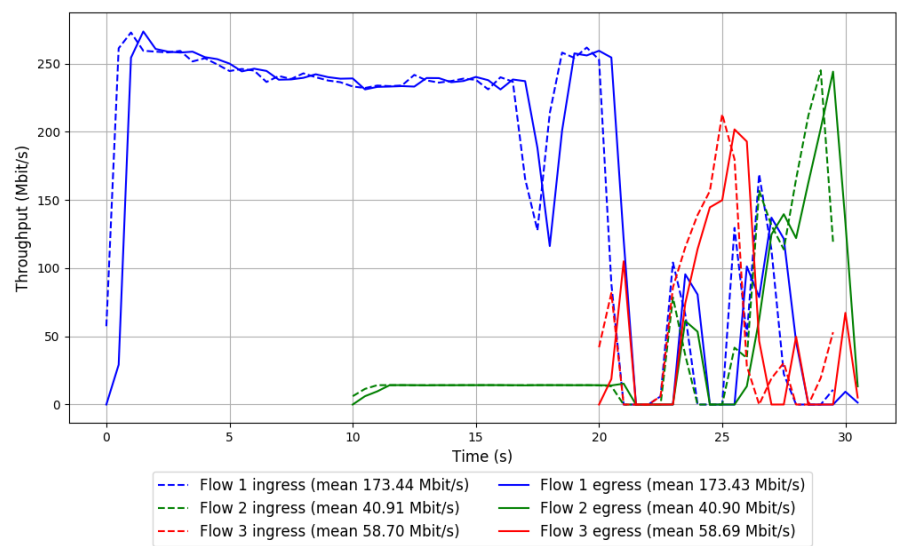
-- Flow 3:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: 73.311 ms

Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-31 13:29:13

End at: 2018-05-31 13:29:43

Local clock offset: -0.022 ms

Remote clock offset: 0.225 ms

Below is generated by plot.py at 2018-05-31 16:26:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.98 Mbit/s

95th percentile per-packet one-way delay: 63.889 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.91 Mbit/s

95th percentile per-packet one-way delay: 63.829 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 63.972 ms

Loss rate: 0.00%

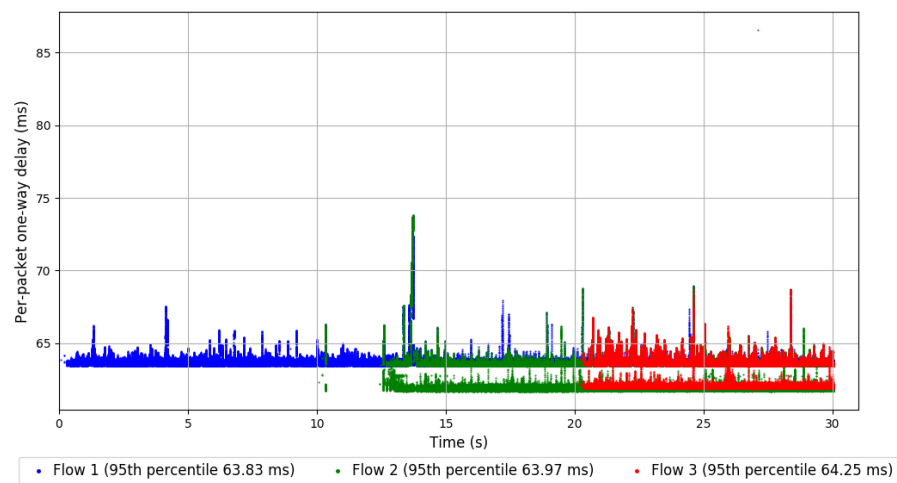
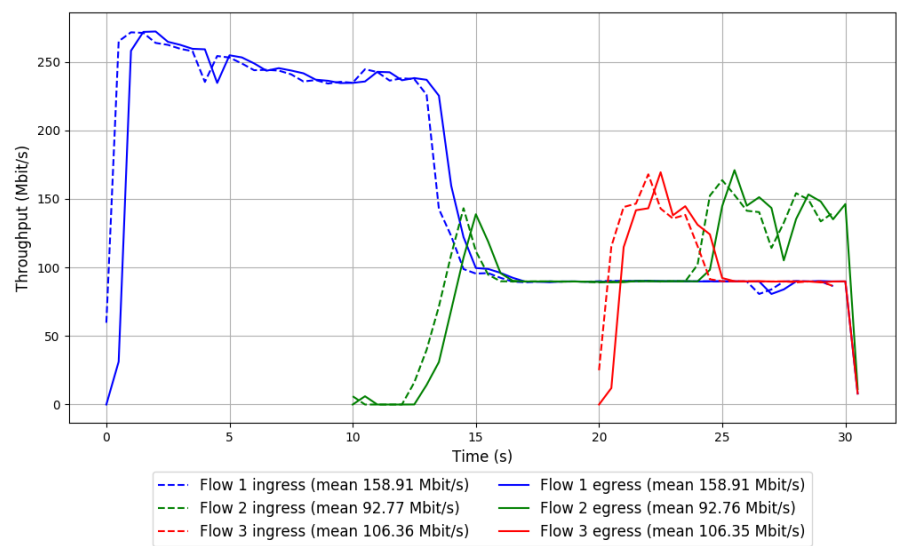
-- Flow 3:

Average throughput: 106.35 Mbit/s

95th percentile per-packet one-way delay: 64.253 ms

Loss rate: 0.00%

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

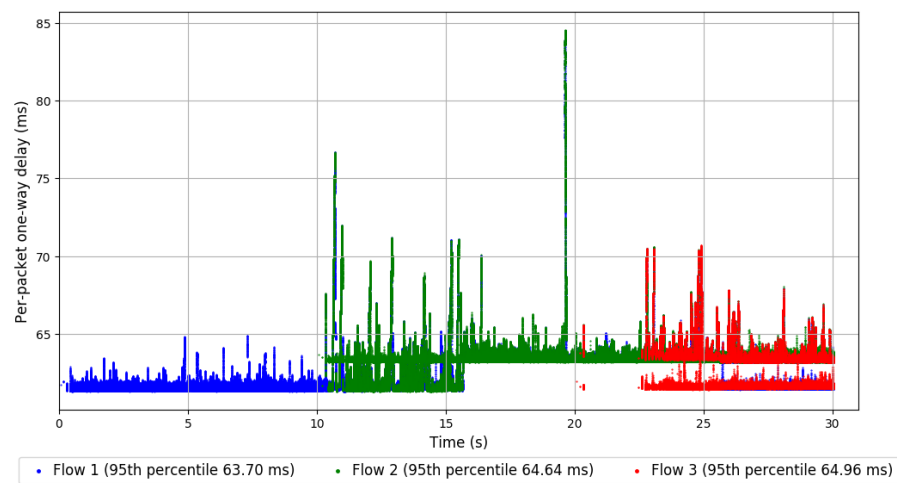
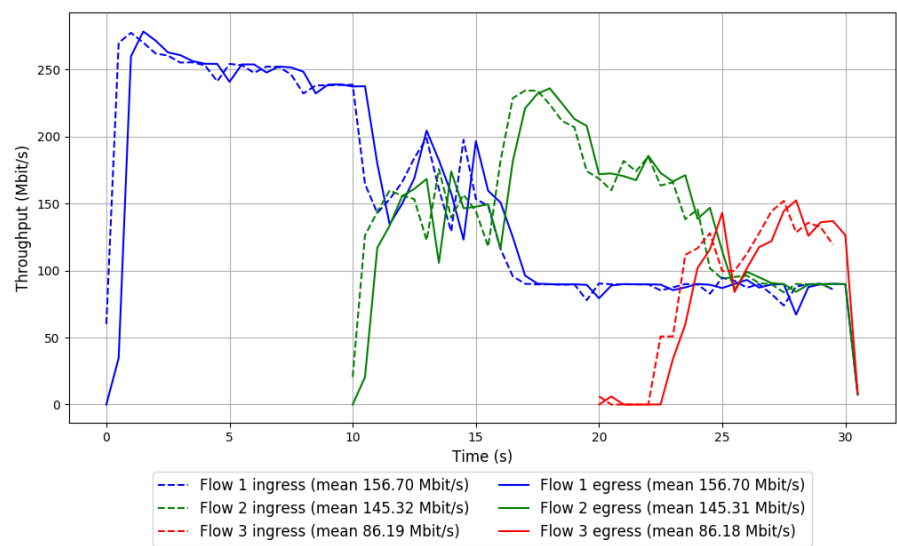


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-31 13:51:59
End at: 2018-05-31 13:52:29
Local clock offset: 0.012 ms
Remote clock offset: -0.035 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.11 Mbit/s
95th percentile per-packet one-way delay: 64.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 156.70 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 145.31 Mbit/s
95th percentile per-packet one-way delay: 64.640 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 64.960 ms
Loss rate: 0.00%

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

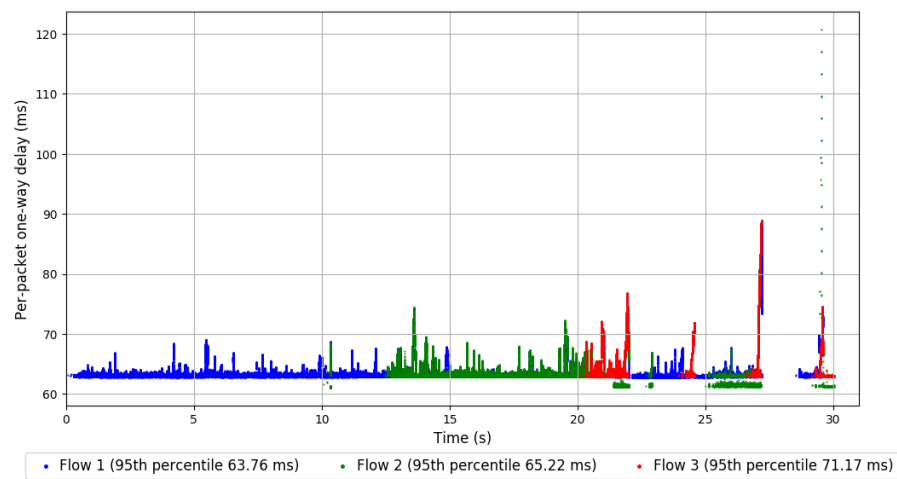
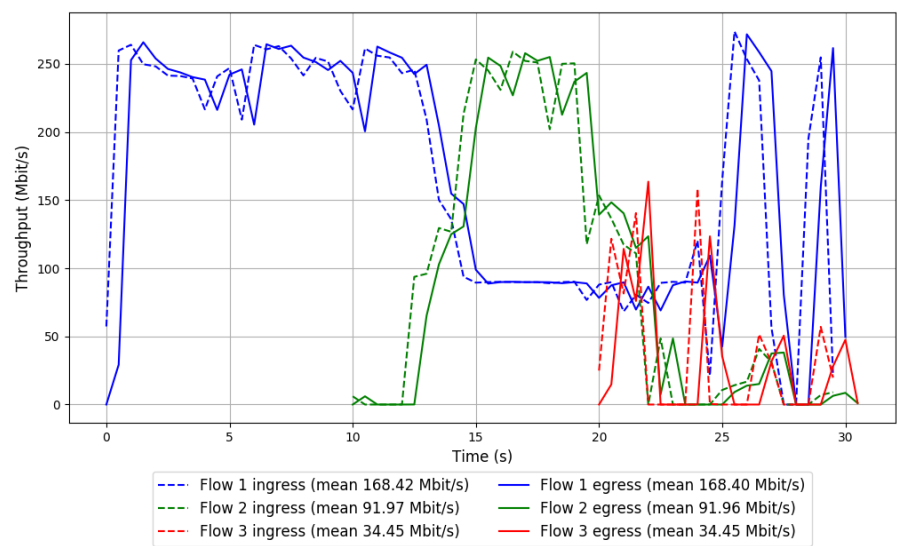


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-31 14:14:43
End at: 2018-05-31 14:15:13
Local clock offset: 0.01 ms
Remote clock offset: -0.451 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 238.70 Mbit/s
95th percentile per-packet one-way delay: 64.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 168.40 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 91.96 Mbit/s
95th percentile per-packet one-way delay: 65.221 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.45 Mbit/s
95th percentile per-packet one-way delay: 71.166 ms
Loss rate: 0.00%

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

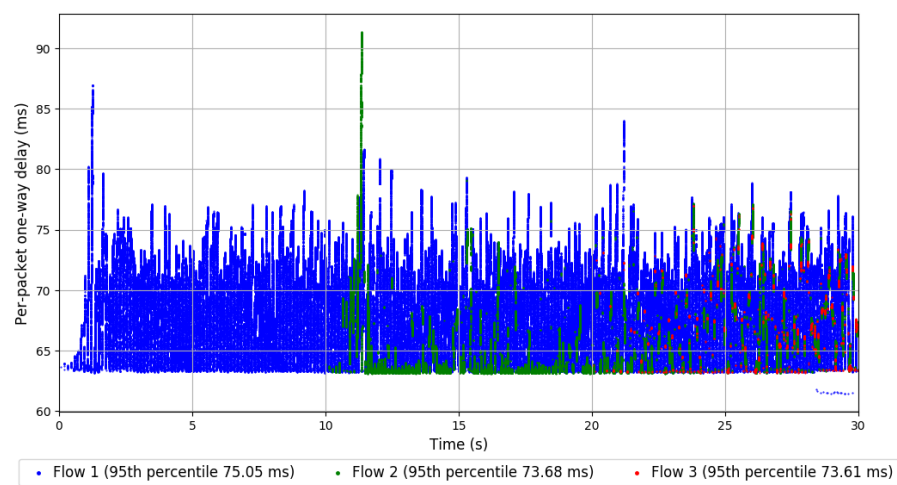
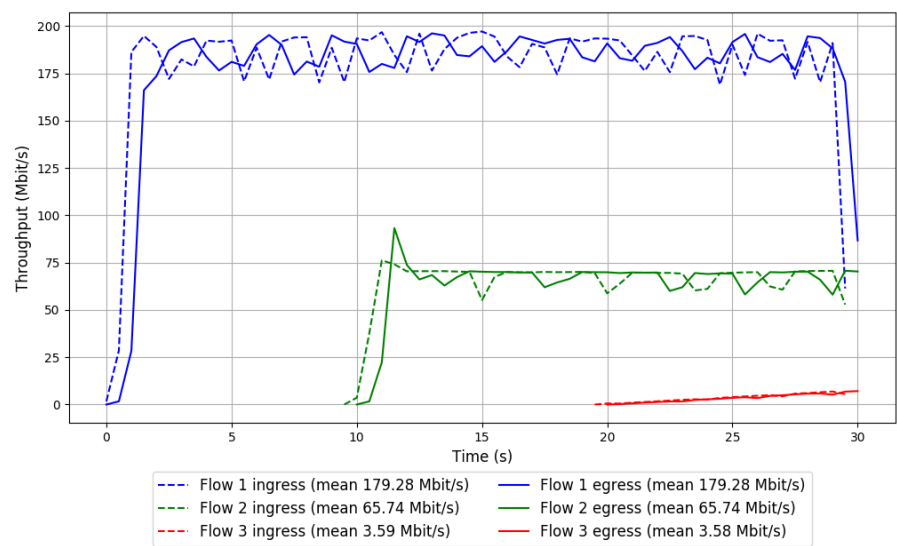


Run 1: Statistics of TCP Vegas

Start at: 2018-05-31 10:52:46
End at: 2018-05-31 10:53:16
Local clock offset: -0.458 ms
Remote clock offset: -0.188 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 224.20 Mbit/s
95th percentile per-packet one-way delay: 74.881 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 179.28 Mbit/s
95th percentile per-packet one-way delay: 75.050 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 73.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 73.609 ms
Loss rate: 0.27%

Run 1: Report of TCP Vegas — Data Link

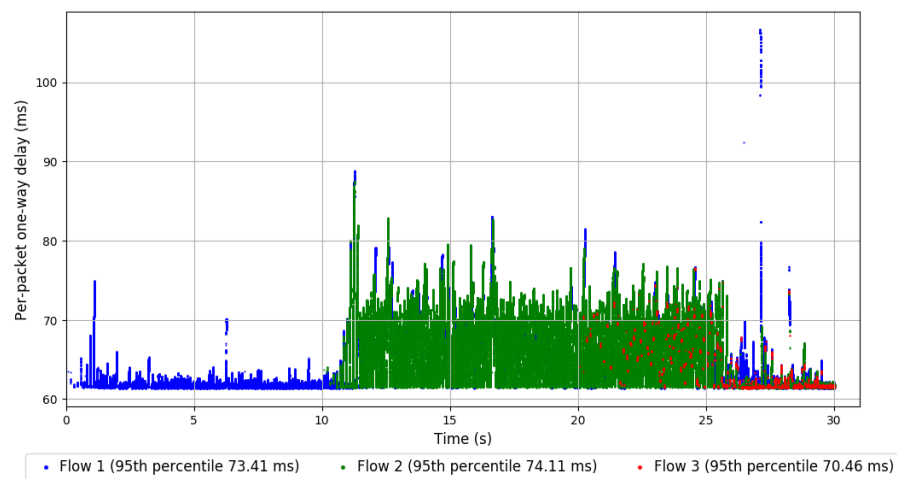
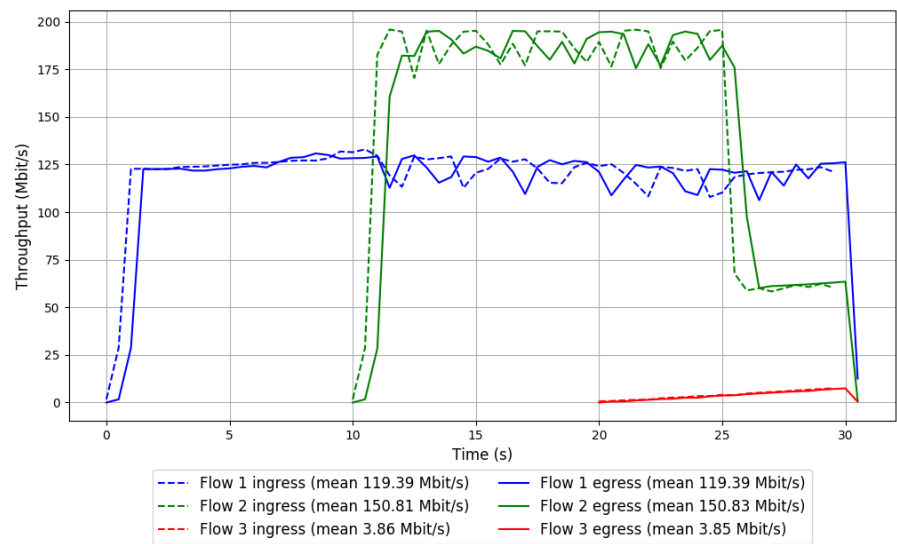


Run 2: Statistics of TCP Vegas

Start at: 2018-05-31 11:14:50
End at: 2018-05-31 11:15:20
Local clock offset: -0.544 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 221.18 Mbit/s
95th percentile per-packet one-way delay: 73.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 73.409 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.83 Mbit/s
95th percentile per-packet one-way delay: 74.107 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 70.458 ms
Loss rate: 0.16%

Run 2: Report of TCP Vegas — Data Link

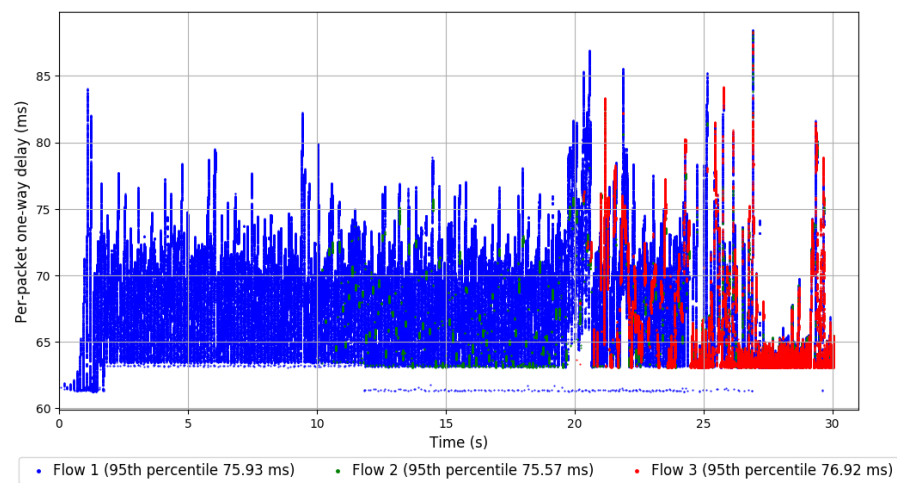
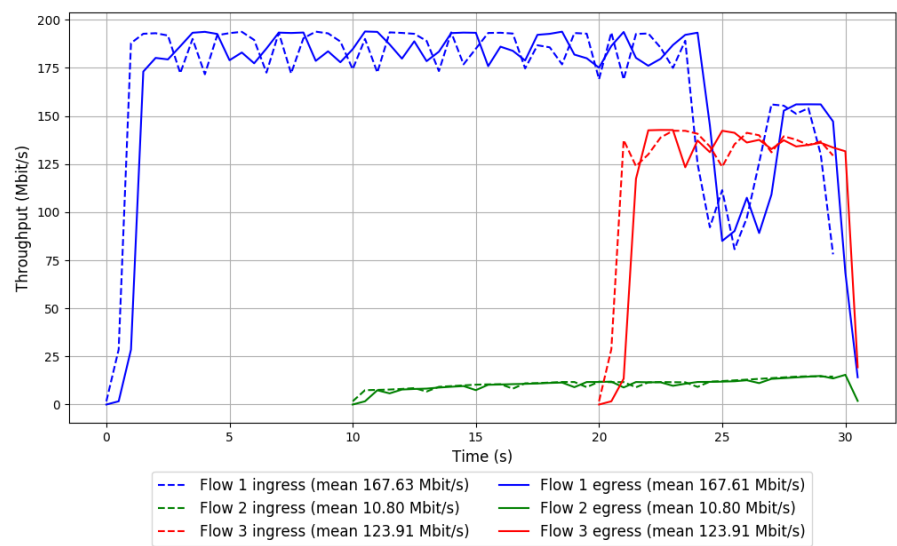


Run 3: Statistics of TCP Vegas

Start at: 2018-05-31 11:37:33
End at: 2018-05-31 11:38:03
Local clock offset: -0.069 ms
Remote clock offset: -0.197 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.91 Mbit/s
95th percentile per-packet one-way delay: 76.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 167.61 Mbit/s
95th percentile per-packet one-way delay: 75.932 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 75.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 123.91 Mbit/s
95th percentile per-packet one-way delay: 76.916 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

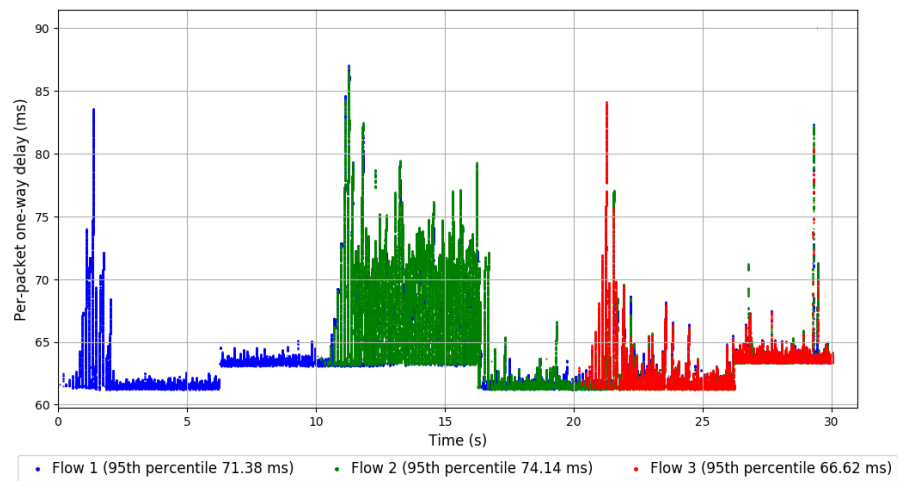
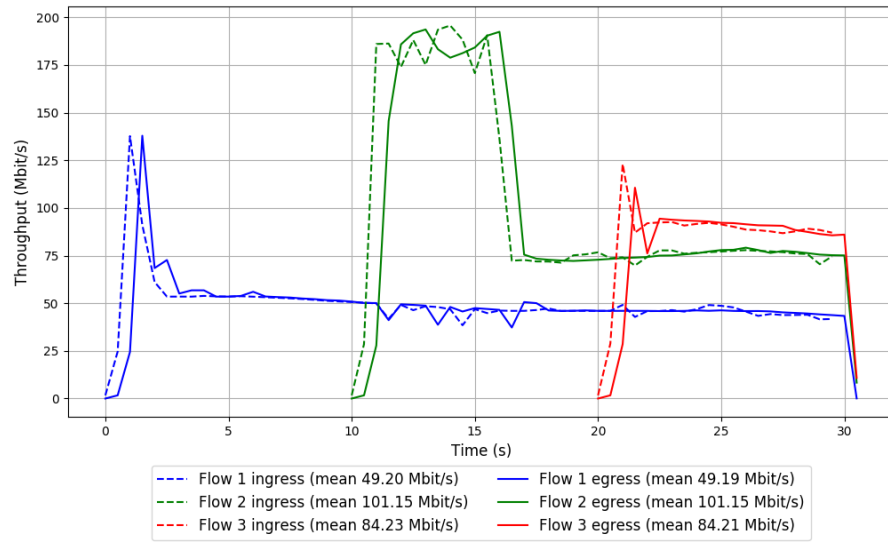


Run 4: Statistics of TCP Vegas

Start at: 2018-05-31 12:00:18
End at: 2018-05-31 12:00:48
Local clock offset: 0.135 ms
Remote clock offset: -0.103 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 72.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.19 Mbit/s
95th percentile per-packet one-way delay: 71.384 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 101.15 Mbit/s
95th percentile per-packet one-way delay: 74.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 84.21 Mbit/s
95th percentile per-packet one-way delay: 66.625 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

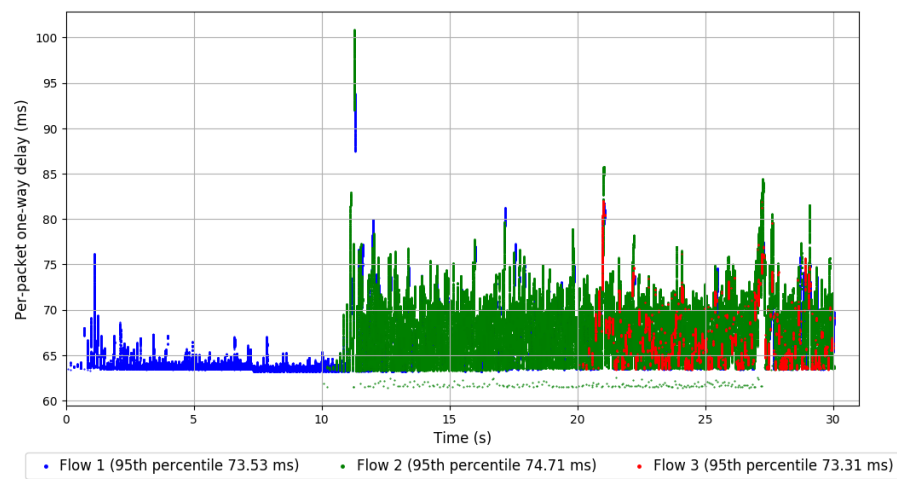
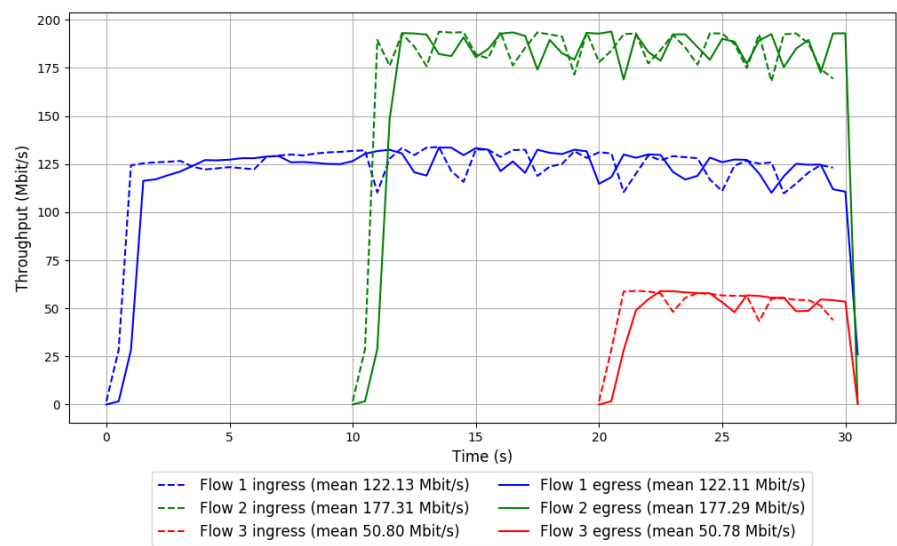


Run 5: Statistics of TCP Vegas

Start at: 2018-05-31 12:23:07
End at: 2018-05-31 12:23:37
Local clock offset: 0.085 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 257.05 Mbit/s
95th percentile per-packet one-way delay: 74.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.11 Mbit/s
95th percentile per-packet one-way delay: 73.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.29 Mbit/s
95th percentile per-packet one-way delay: 74.710 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.78 Mbit/s
95th percentile per-packet one-way delay: 73.313 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

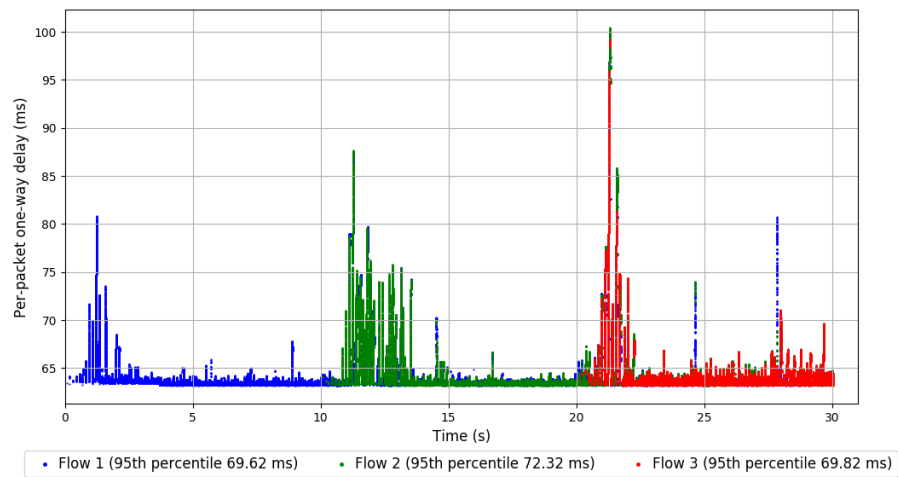
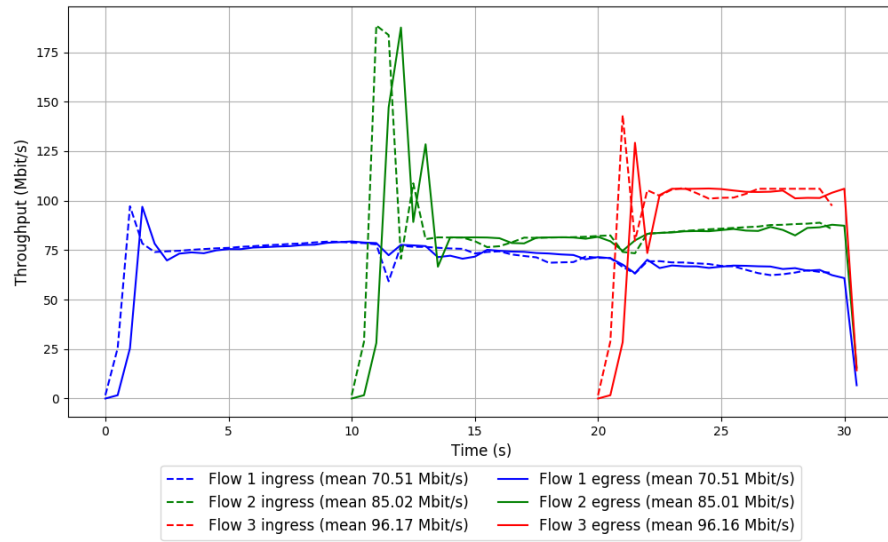


Run 6: Statistics of TCP Vegas

Start at: 2018-05-31 12:45:41
End at: 2018-05-31 12:46:11
Local clock offset: -0.001 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-05-31 16:27:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 159.10 Mbit/s
95th percentile per-packet one-way delay: 71.273 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 69.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 72.317 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 69.823 ms
Loss rate: 0.01%

Run 6: Report of TCP Vegas — Data Link

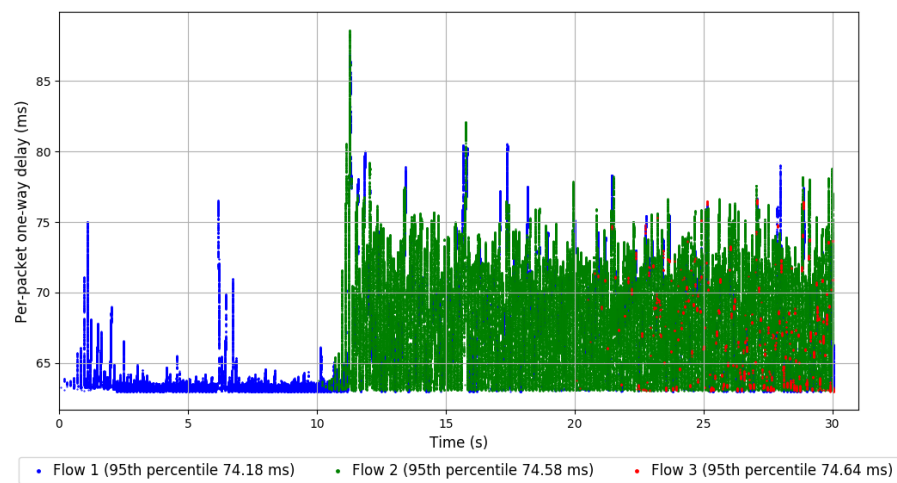
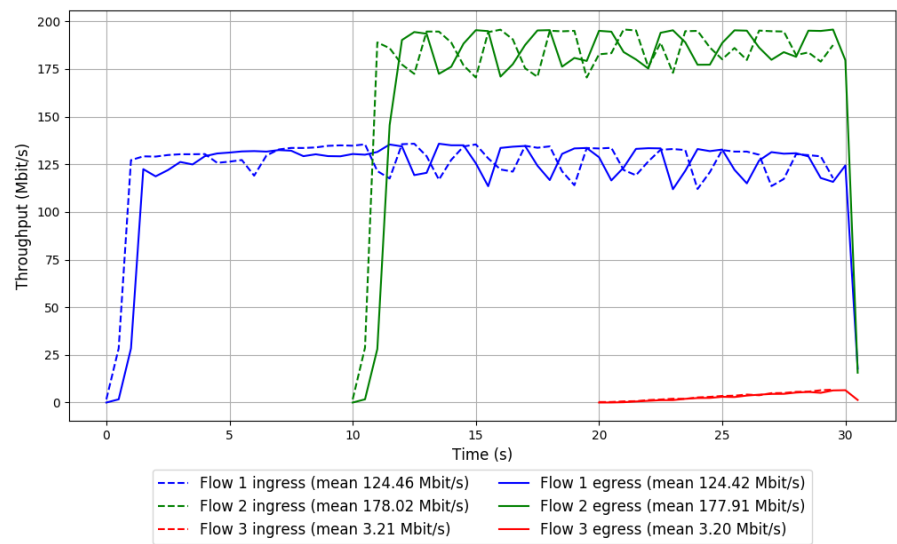


Run 7: Statistics of TCP Vegas

Start at: 2018-05-31 13:08:12
End at: 2018-05-31 13:08:42
Local clock offset: -0.026 ms
Remote clock offset: -0.312 ms

Below is generated by plot.py at 2018-05-31 16:27:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 243.81 Mbit/s
95th percentile per-packet one-way delay: 74.462 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 124.42 Mbit/s
95th percentile per-packet one-way delay: 74.179 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 177.91 Mbit/s
95th percentile per-packet one-way delay: 74.584 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 74.638 ms
Loss rate: 0.38%

Run 7: Report of TCP Vegas — Data Link

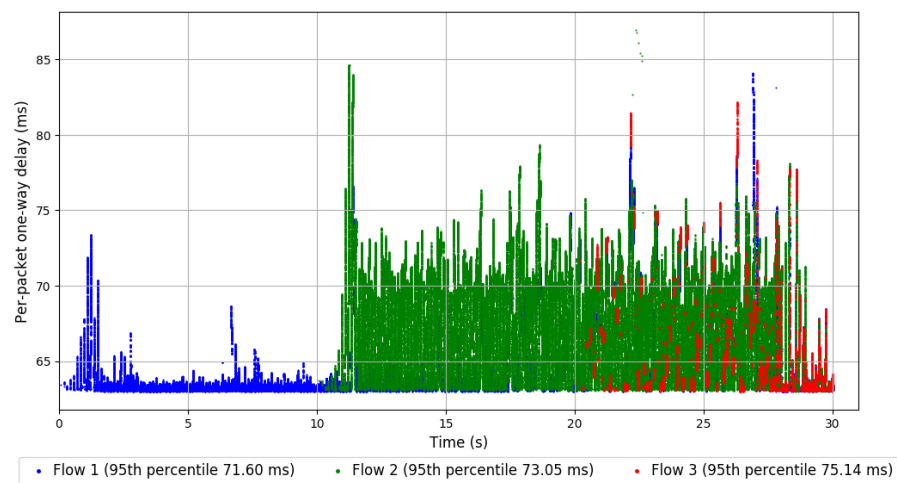
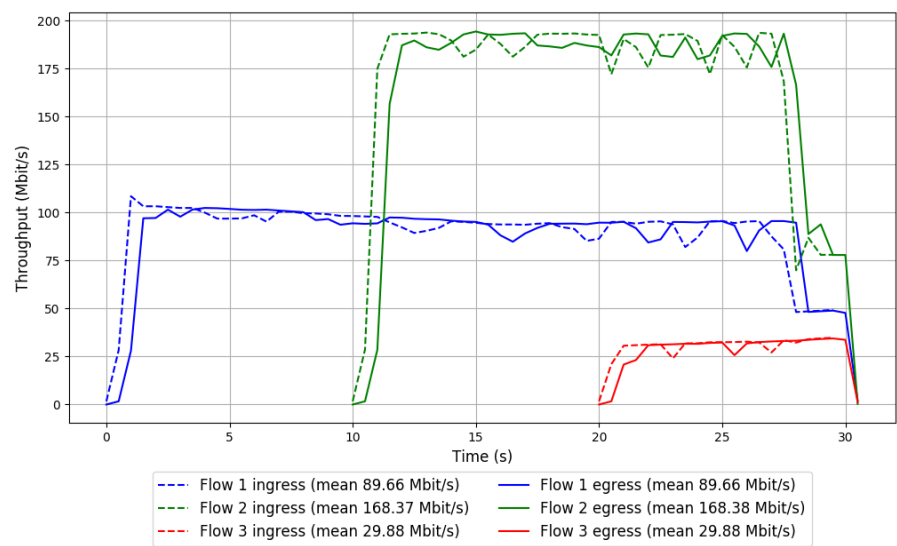


Run 8: Statistics of TCP Vegas

Start at: 2018-05-31 13:30:50
End at: 2018-05-31 13:31:20
Local clock offset: 0.026 ms
Remote clock offset: -0.151 ms

Below is generated by plot.py at 2018-05-31 16:27:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 211.68 Mbit/s
95th percentile per-packet one-way delay: 72.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.66 Mbit/s
95th percentile per-packet one-way delay: 71.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.38 Mbit/s
95th percentile per-packet one-way delay: 73.045 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 29.88 Mbit/s
95th percentile per-packet one-way delay: 75.139 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

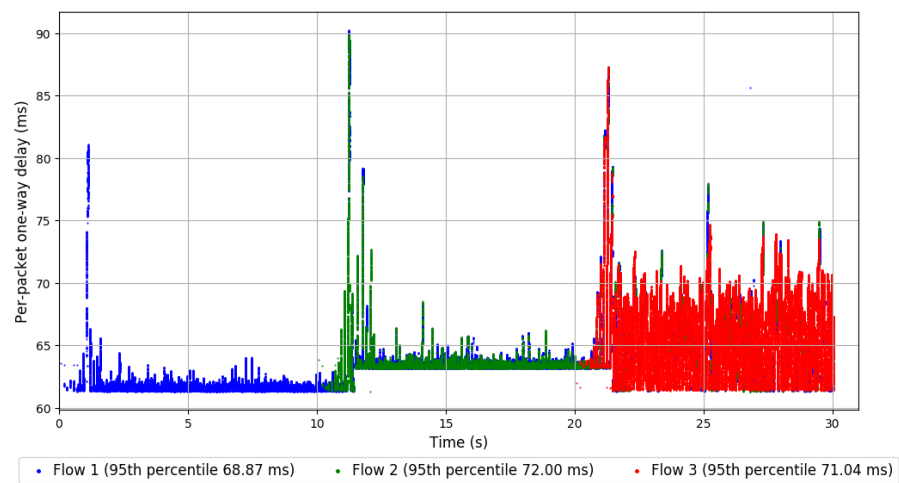
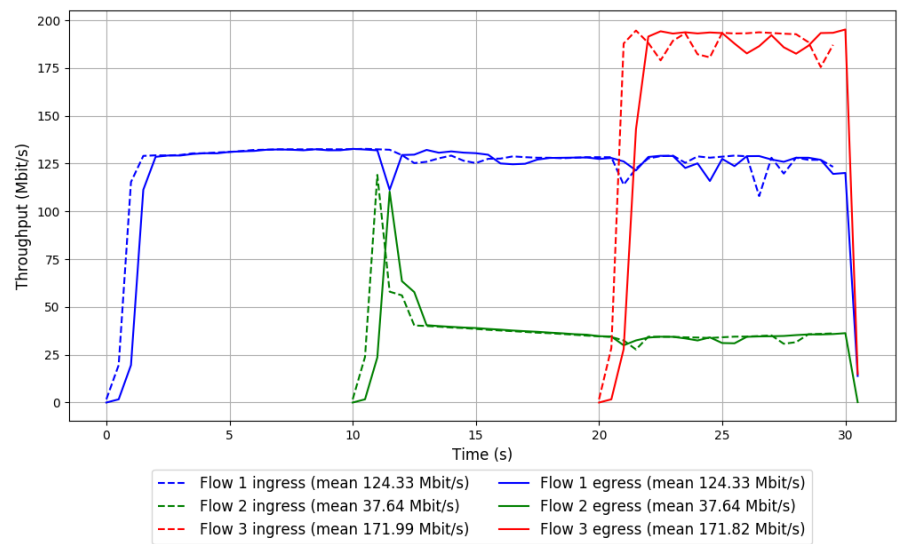


Run 9: Statistics of TCP Vegas

Start at: 2018-05-31 13:53:33
End at: 2018-05-31 13:54:03
Local clock offset: -0.025 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-05-31 16:28:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 206.35 Mbit/s
95th percentile per-packet one-way delay: 70.370 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 124.33 Mbit/s
95th percentile per-packet one-way delay: 68.869 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.64 Mbit/s
95th percentile per-packet one-way delay: 72.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 171.82 Mbit/s
95th percentile per-packet one-way delay: 71.043 ms
Loss rate: 0.08%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-05-31 14:16:15

End at: 2018-05-31 14:16:45

Local clock offset: -0.019 ms

Remote clock offset: 0.171 ms

Below is generated by plot.py at 2018-05-31 16:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 208.30 Mbit/s

95th percentile per-packet one-way delay: 74.883 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 75.103 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 102.92 Mbit/s

95th percentile per-packet one-way delay: 73.924 ms

Loss rate: 0.00%

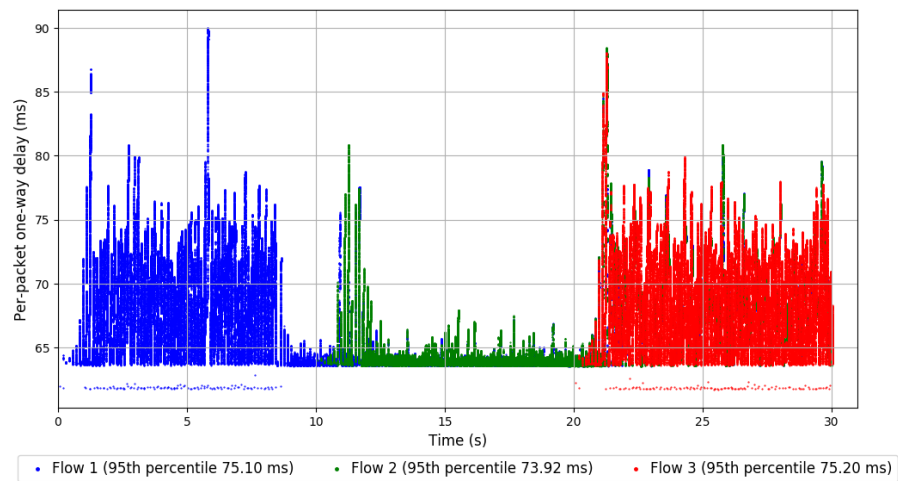
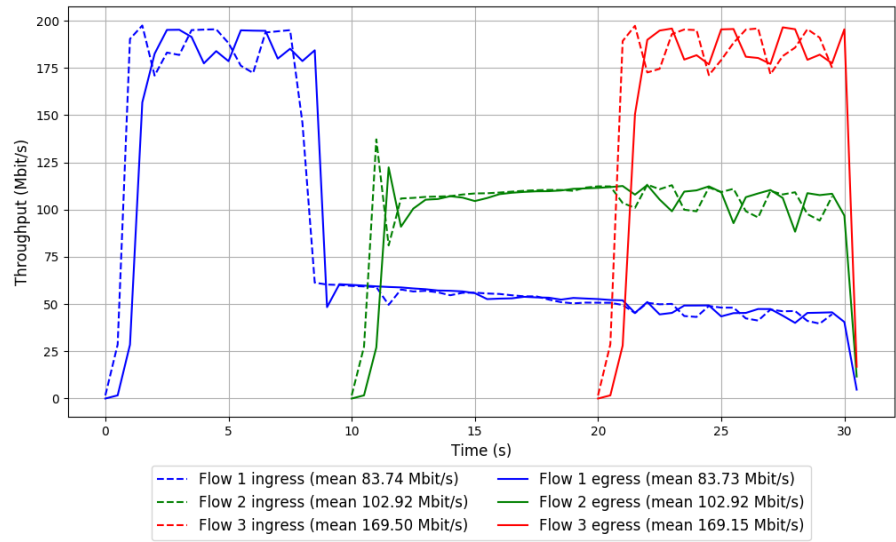
-- Flow 3:

Average throughput: 169.15 Mbit/s

95th percentile per-packet one-way delay: 75.200 ms

Loss rate: 0.19%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-31 10:56:49

End at: 2018-05-31 10:57:19

Local clock offset: -0.47 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-05-31 16:31:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 273.18 Mbit/s

95th percentile per-packet one-way delay: 185.998 ms

Loss rate: 1.47%

-- Flow 1:

Average throughput: 176.72 Mbit/s

95th percentile per-packet one-way delay: 173.274 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 95.41 Mbit/s

95th percentile per-packet one-way delay: 177.663 ms

Loss rate: 0.43%

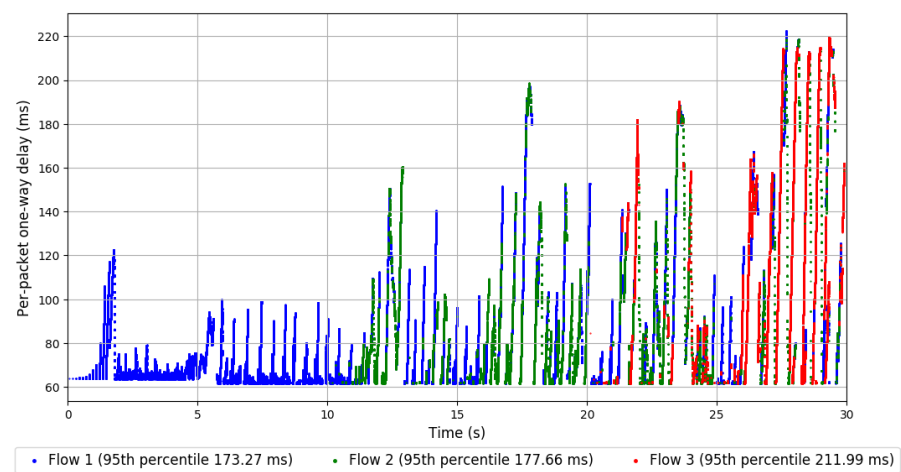
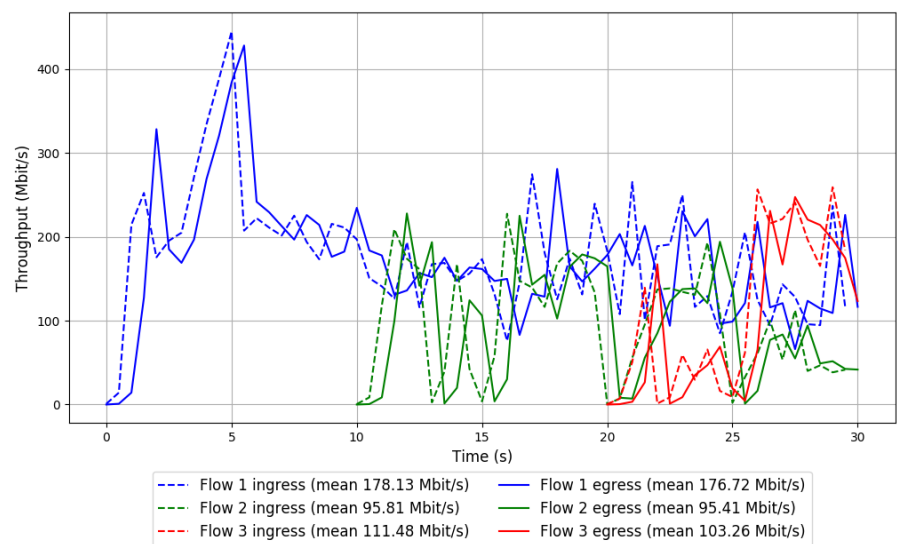
-- Flow 3:

Average throughput: 103.26 Mbit/s

95th percentile per-packet one-way delay: 211.987 ms

Loss rate: 7.57%

Run 1: Report of Verus — Data Link

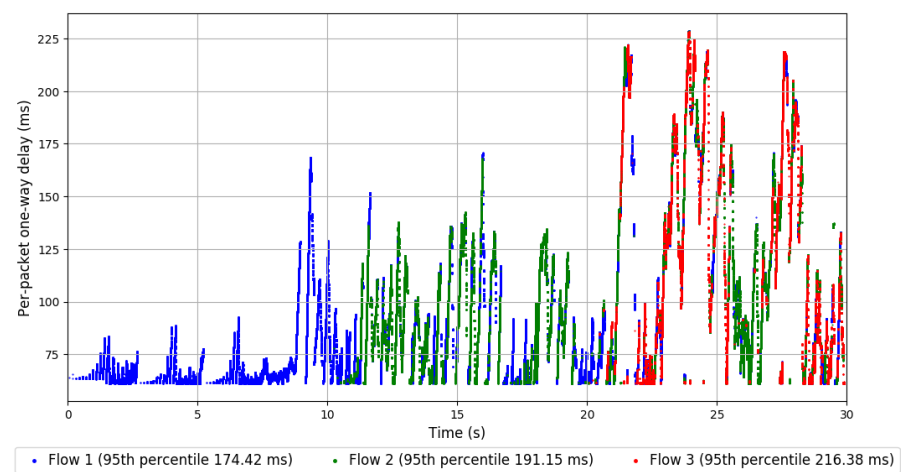
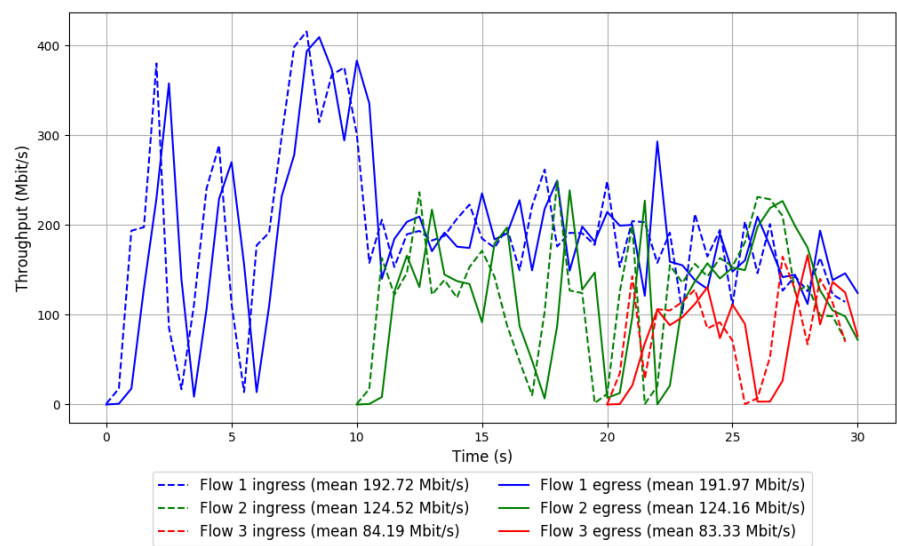


Run 2: Statistics of Verus

Start at: 2018-05-31 11:18:53
End at: 2018-05-31 11:19:23
Local clock offset: -0.572 ms
Remote clock offset: -0.231 ms

Below is generated by plot.py at 2018-05-31 16:31:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 300.87 Mbit/s
95th percentile per-packet one-way delay: 188.164 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 191.97 Mbit/s
95th percentile per-packet one-way delay: 174.422 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 124.16 Mbit/s
95th percentile per-packet one-way delay: 191.145 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 216.380 ms
Loss rate: 1.06%

Run 2: Report of Verus — Data Link

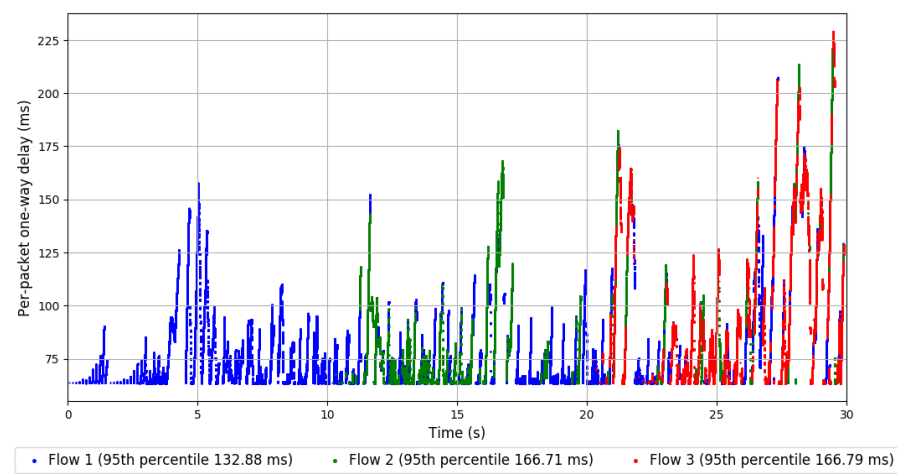
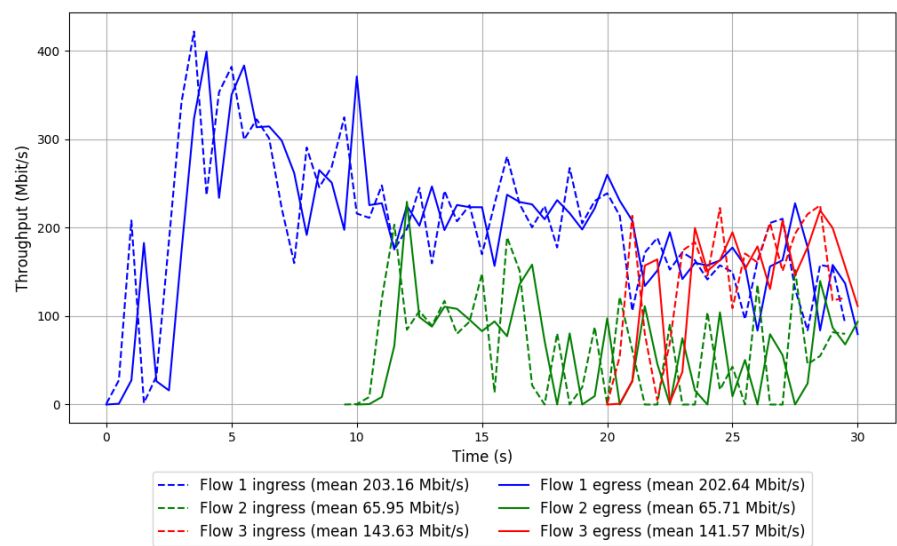


Run 3: Statistics of Verus

Start at: 2018-05-31 11:41:39
End at: 2018-05-31 11:42:09
Local clock offset: 0.014 ms
Remote clock offset: 0.239 ms

Below is generated by plot.py at 2018-05-31 16:31:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.84 Mbit/s
95th percentile per-packet one-way delay: 153.096 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 202.64 Mbit/s
95th percentile per-packet one-way delay: 132.885 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 65.71 Mbit/s
95th percentile per-packet one-way delay: 166.709 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 141.57 Mbit/s
95th percentile per-packet one-way delay: 166.791 ms
Loss rate: 1.42%

Run 3: Report of Verus — Data Link

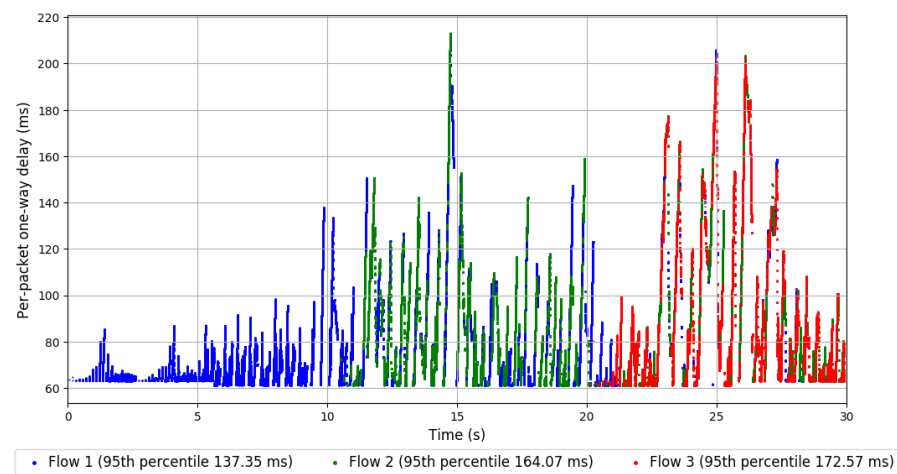
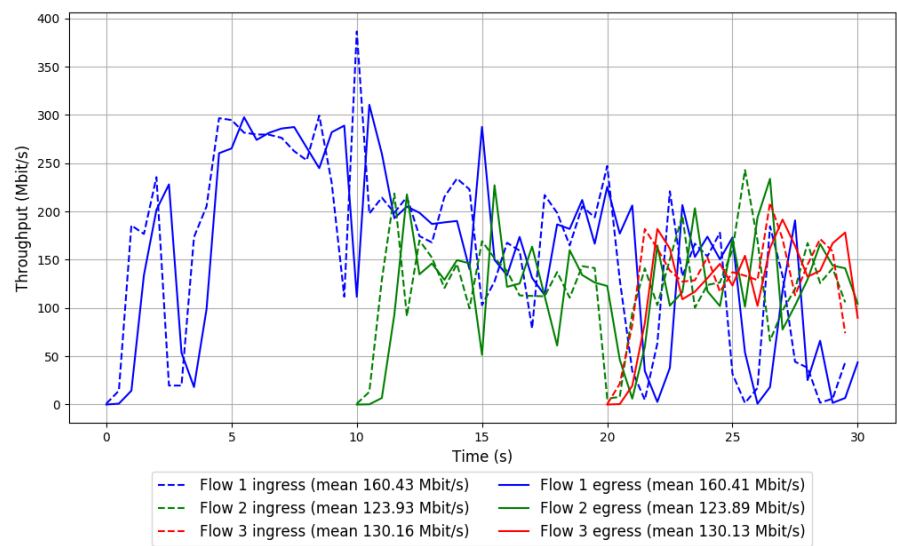


Run 4: Statistics of Verus

Start at: 2018-05-31 12:04:19
End at: 2018-05-31 12:04:49
Local clock offset: 0.076 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-05-31 16:32:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.54 Mbit/s
95th percentile per-packet one-way delay: 151.530 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 160.41 Mbit/s
95th percentile per-packet one-way delay: 137.346 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.89 Mbit/s
95th percentile per-packet one-way delay: 164.075 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 130.13 Mbit/s
95th percentile per-packet one-way delay: 172.573 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

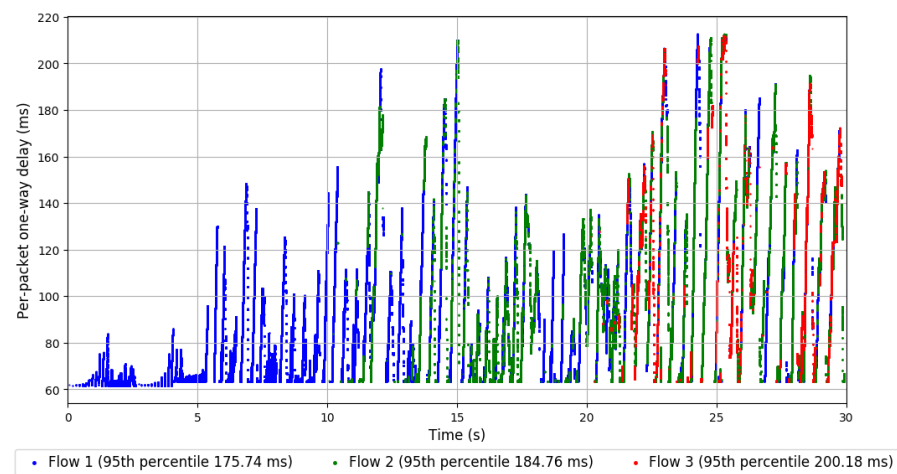
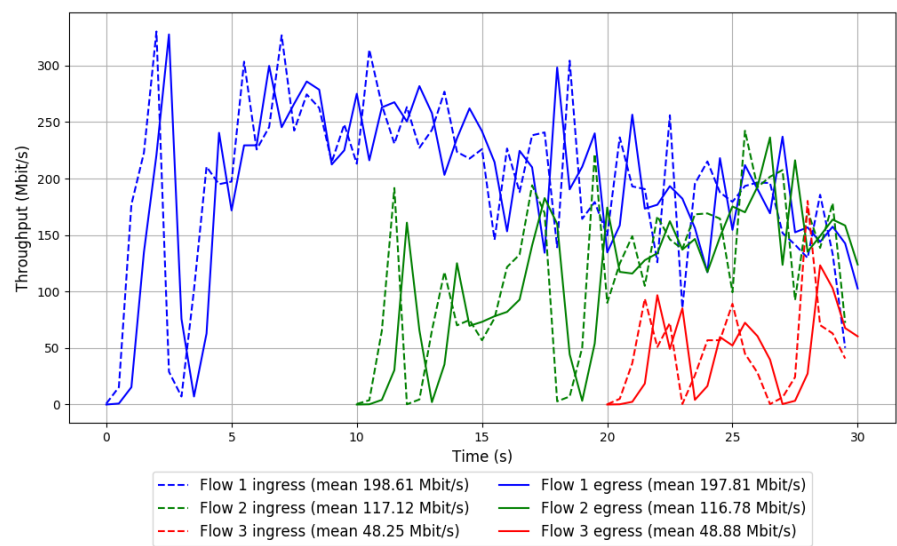


Run 5: Statistics of Verus

Start at: 2018-05-31 12:27:10
End at: 2018-05-31 12:27:40
Local clock offset: 0.034 ms
Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-05-31 16:32:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 290.26 Mbit/s
95th percentile per-packet one-way delay: 179.088 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 197.81 Mbit/s
95th percentile per-packet one-way delay: 175.739 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 116.78 Mbit/s
95th percentile per-packet one-way delay: 184.762 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 48.88 Mbit/s
95th percentile per-packet one-way delay: 200.181 ms
Loss rate: 0.38%

Run 5: Report of Verus — Data Link

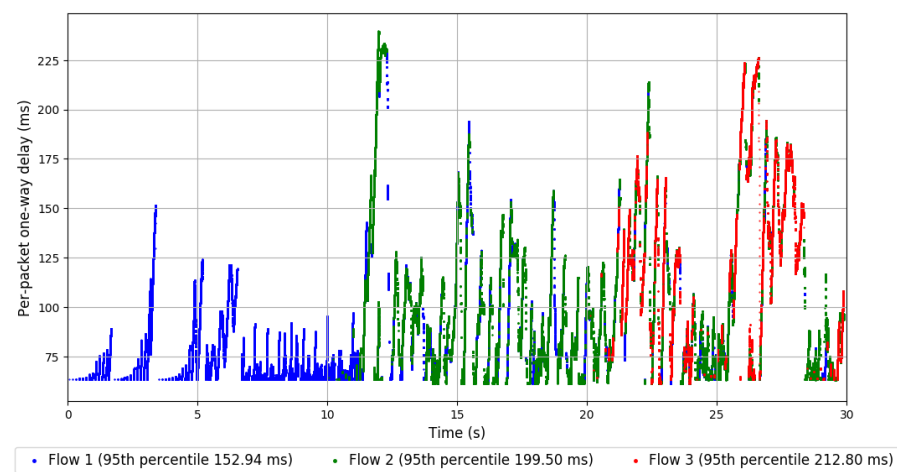
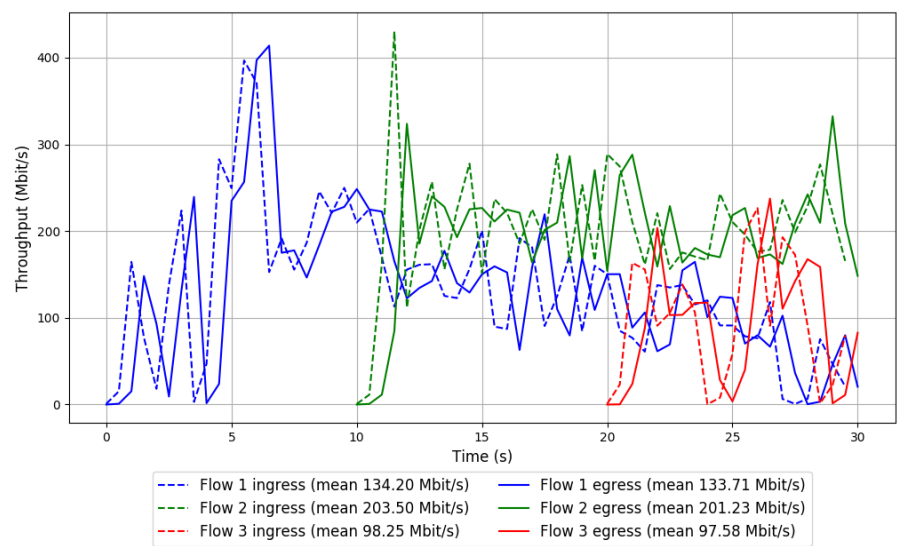


Run 6: Statistics of Verus

Start at: 2018-05-31 12:49:40
End at: 2018-05-31 12:50:10
Local clock offset: -0.025 ms
Remote clock offset: -0.128 ms

Below is generated by plot.py at 2018-05-31 16:33:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 299.29 Mbit/s
95th percentile per-packet one-way delay: 182.710 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 133.71 Mbit/s
95th percentile per-packet one-way delay: 152.944 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 201.23 Mbit/s
95th percentile per-packet one-way delay: 199.505 ms
Loss rate: 1.13%
-- Flow 3:
Average throughput: 97.58 Mbit/s
95th percentile per-packet one-way delay: 212.797 ms
Loss rate: 1.33%

Run 6: Report of Verus — Data Link

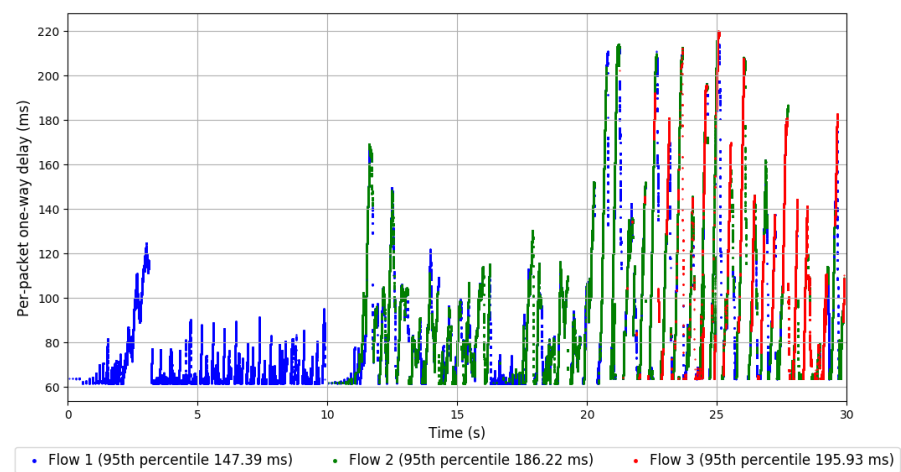
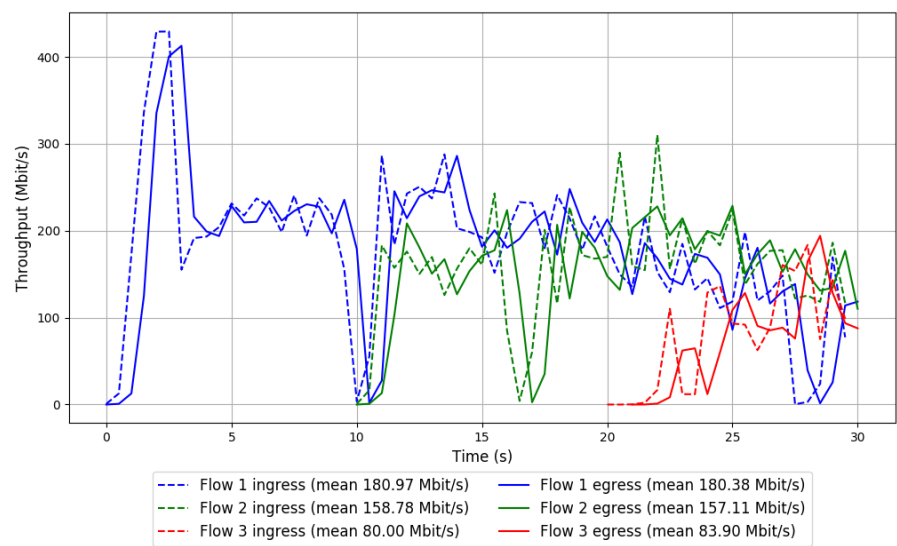


Run 7: Statistics of Verus

Start at: 2018-05-31 13:12:14
End at: 2018-05-31 13:12:44
Local clock offset: 0.019 ms
Remote clock offset: 0.136 ms

Below is generated by plot.py at 2018-05-31 16:34:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 309.15 Mbit/s
95th percentile per-packet one-way delay: 173.603 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 180.38 Mbit/s
95th percentile per-packet one-way delay: 147.394 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 157.11 Mbit/s
95th percentile per-packet one-way delay: 186.224 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 195.931 ms
Loss rate: 7.31%

Run 7: Report of Verus — Data Link

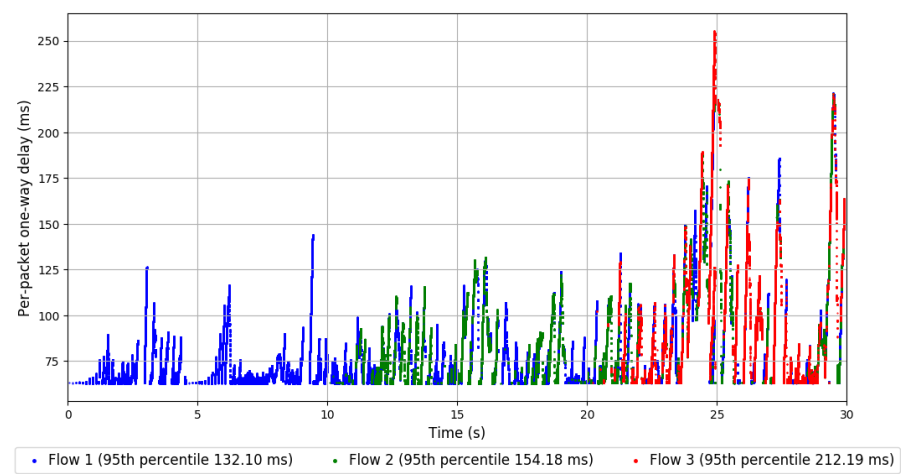
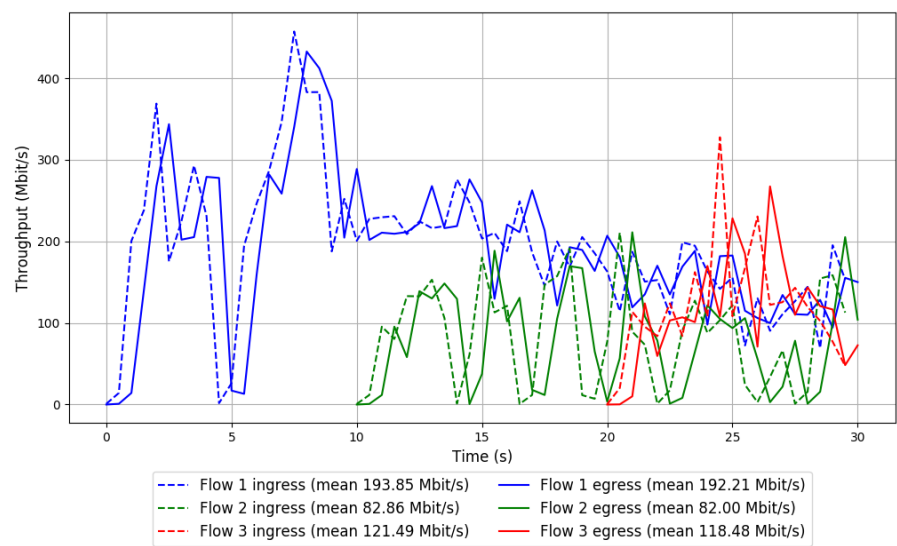


Run 8: Statistics of Verus

Start at: 2018-05-31 13:34:56
End at: 2018-05-31 13:35:26
Local clock offset: 0.01 ms
Remote clock offset: -0.326 ms

Below is generated by plot.py at 2018-05-31 16:34:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.71 Mbit/s
95th percentile per-packet one-way delay: 151.826 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 192.21 Mbit/s
95th percentile per-packet one-way delay: 132.102 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 154.175 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 118.48 Mbit/s
95th percentile per-packet one-way delay: 212.192 ms
Loss rate: 1.50%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-05-31 13:57:39

End at: 2018-05-31 13:58:09

Local clock offset: -0.02 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-05-31 16:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 320.12 Mbit/s

95th percentile per-packet one-way delay: 151.321 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 187.58 Mbit/s

95th percentile per-packet one-way delay: 142.435 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 160.38 Mbit/s

95th percentile per-packet one-way delay: 154.541 ms

Loss rate: 0.09%

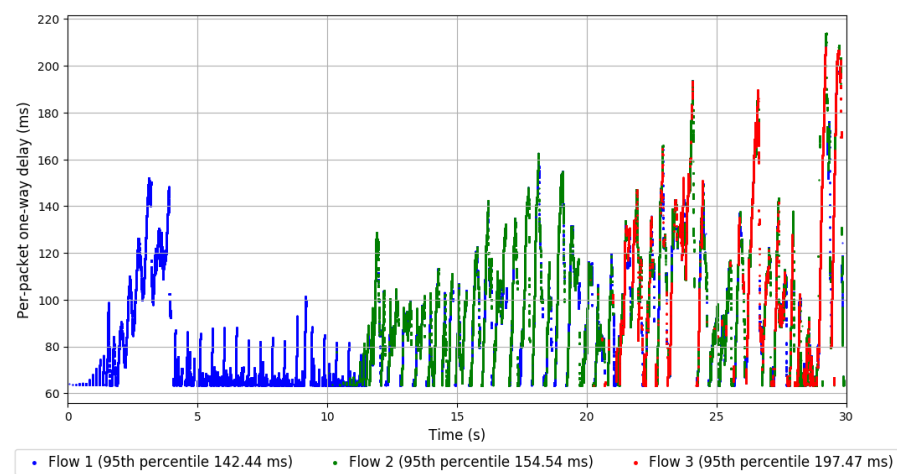
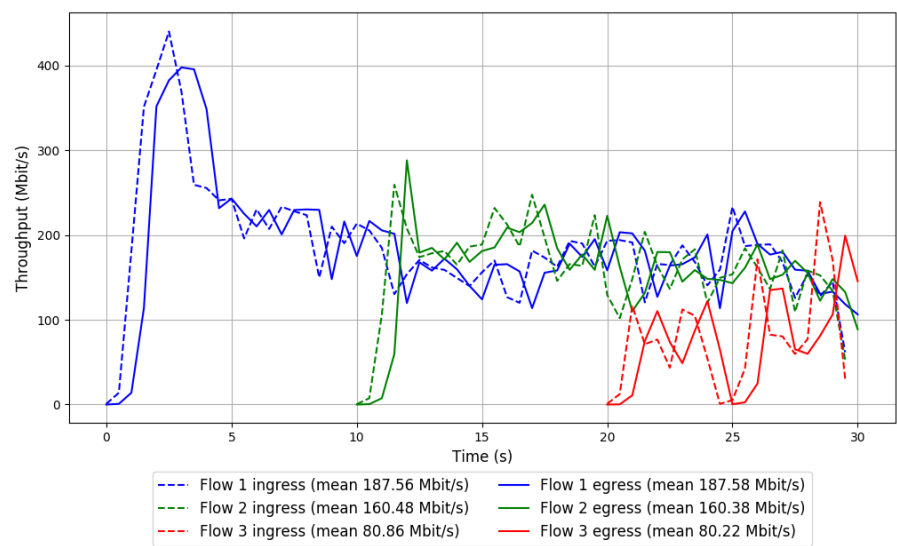
-- Flow 3:

Average throughput: 80.22 Mbit/s

95th percentile per-packet one-way delay: 197.474 ms

Loss rate: 0.13%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-05-31 14:20:21

End at: 2018-05-31 14:20:51

Local clock offset: 0.033 ms

Remote clock offset: 0.145 ms

Below is generated by plot.py at 2018-05-31 16:36:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.74 Mbit/s

95th percentile per-packet one-way delay: 159.921 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 202.08 Mbit/s

95th percentile per-packet one-way delay: 156.709 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 96.97 Mbit/s

95th percentile per-packet one-way delay: 167.994 ms

Loss rate: 0.24%

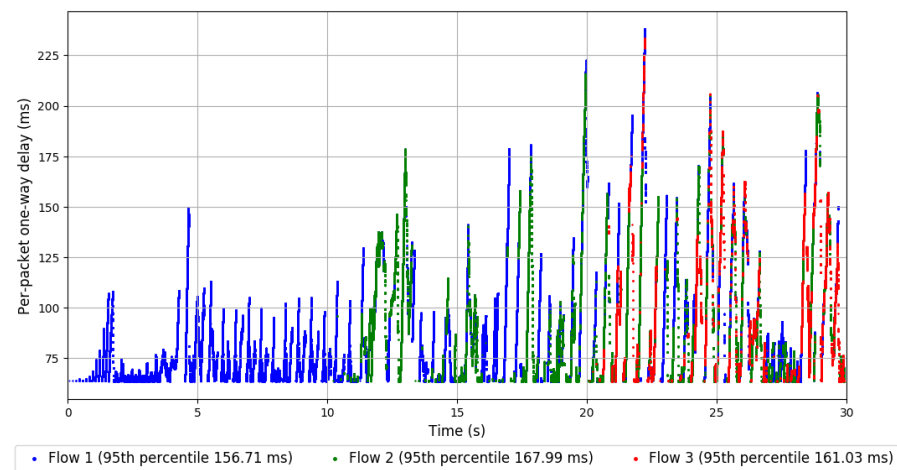
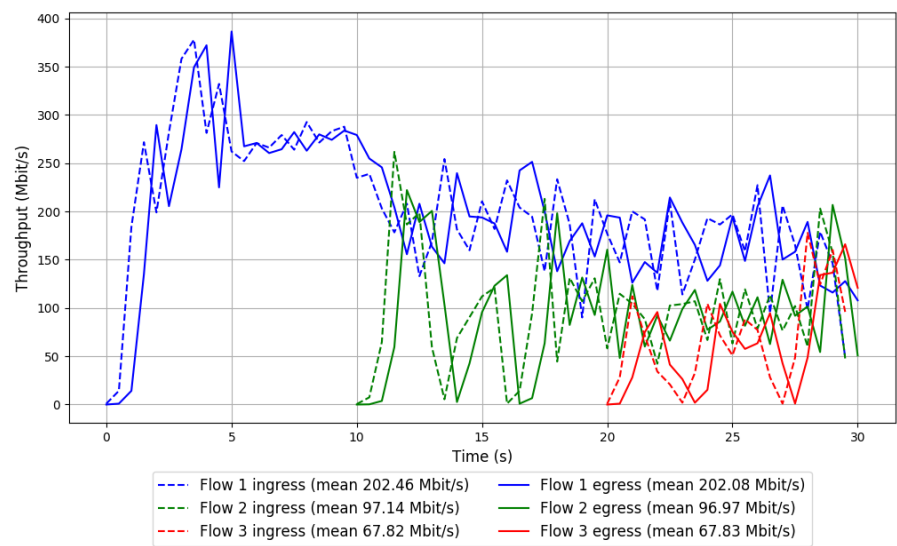
-- Flow 3:

Average throughput: 67.83 Mbit/s

95th percentile per-packet one-way delay: 161.029 ms

Loss rate: 0.05%

Run 10: Report of Verus — Data Link

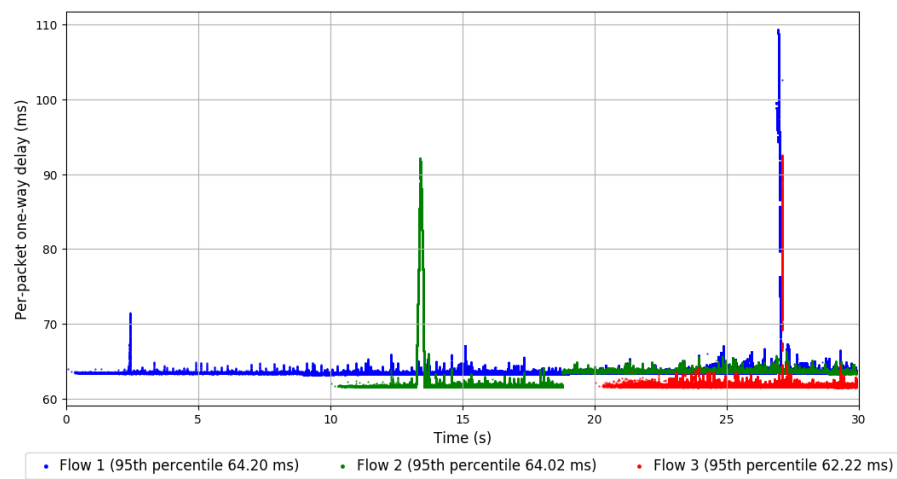
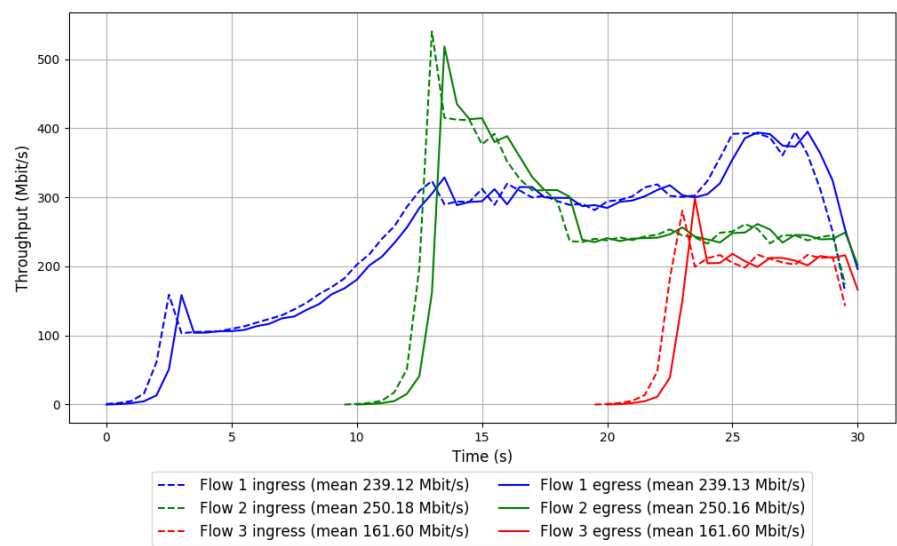


Run 1: Statistics of PCC-Vivace

Start at: 2018-05-31 11:06:46
End at: 2018-05-31 11:07:16
Local clock offset: -0.526 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-05-31 16:39:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 459.11 Mbit/s
95th percentile per-packet one-way delay: 64.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 239.13 Mbit/s
95th percentile per-packet one-way delay: 64.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.16 Mbit/s
95th percentile per-packet one-way delay: 64.015 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.60 Mbit/s
95th percentile per-packet one-way delay: 62.221 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-31 11:29:13

End at: 2018-05-31 11:29:43

Local clock offset: -0.279 ms

Remote clock offset: 0.143 ms

Below is generated by plot.py at 2018-05-31 16:41:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 554.56 Mbit/s

95th percentile per-packet one-way delay: 65.271 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 348.46 Mbit/s

95th percentile per-packet one-way delay: 71.448 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 228.70 Mbit/s

95th percentile per-packet one-way delay: 63.904 ms

Loss rate: 0.00%

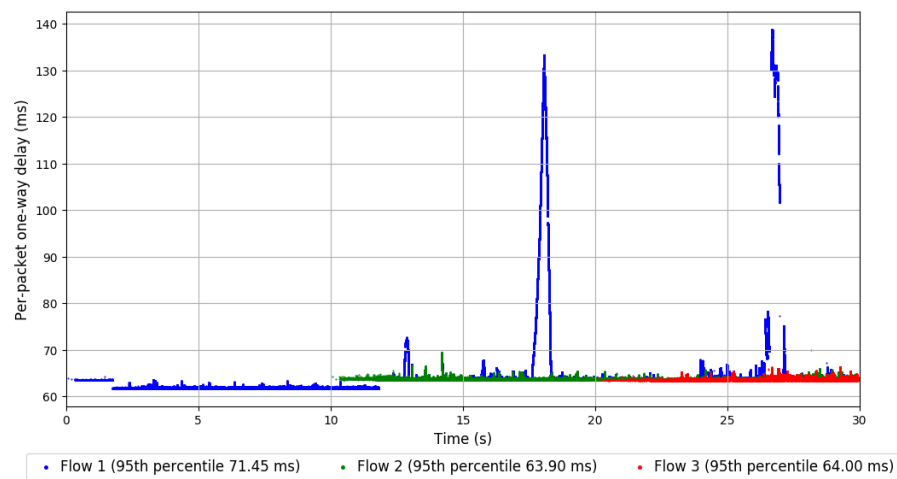
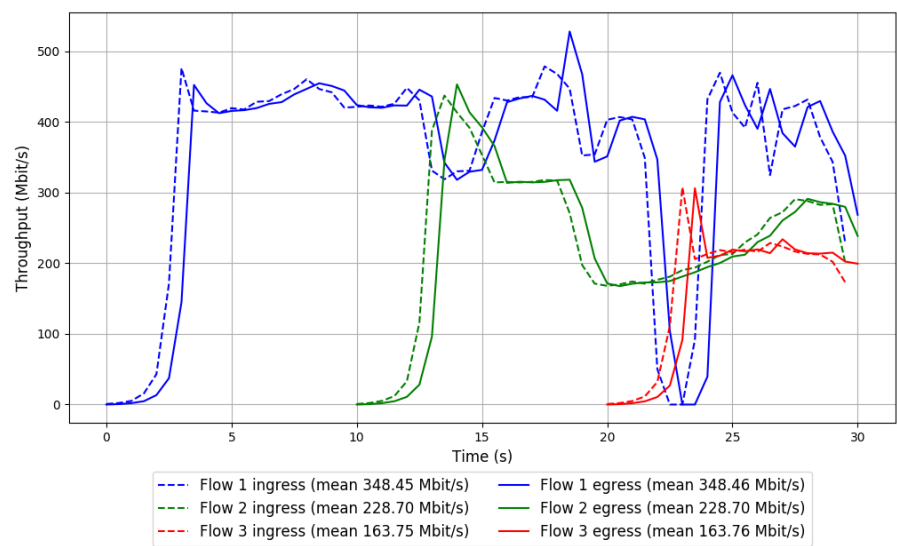
-- Flow 3:

Average throughput: 163.76 Mbit/s

95th percentile per-packet one-way delay: 64.000 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-05-31 11:52:01

End at: 2018-05-31 11:52:31

Local clock offset: 0.094 ms

Remote clock offset: 0.212 ms

Below is generated by plot.py at 2018-05-31 16:41:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 497.08 Mbit/s

95th percentile per-packet one-way delay: 63.949 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 278.07 Mbit/s

95th percentile per-packet one-way delay: 63.927 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 248.09 Mbit/s

95th percentile per-packet one-way delay: 64.063 ms

Loss rate: 0.00%

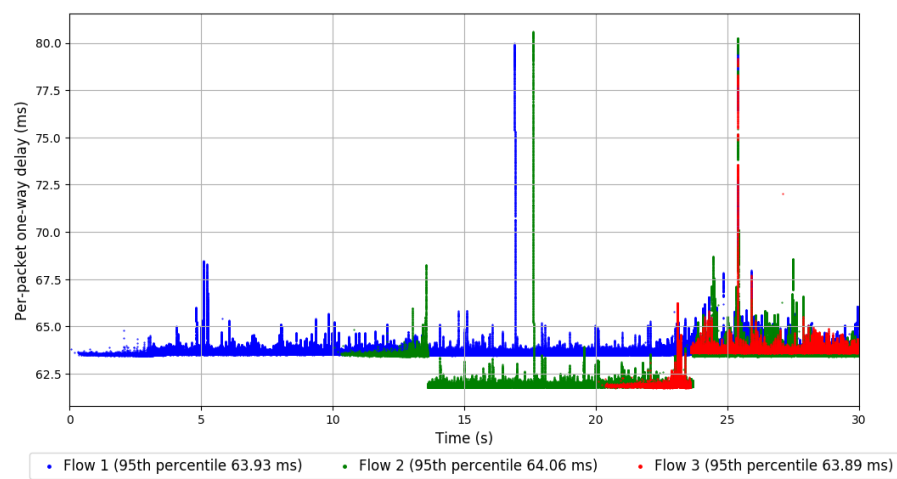
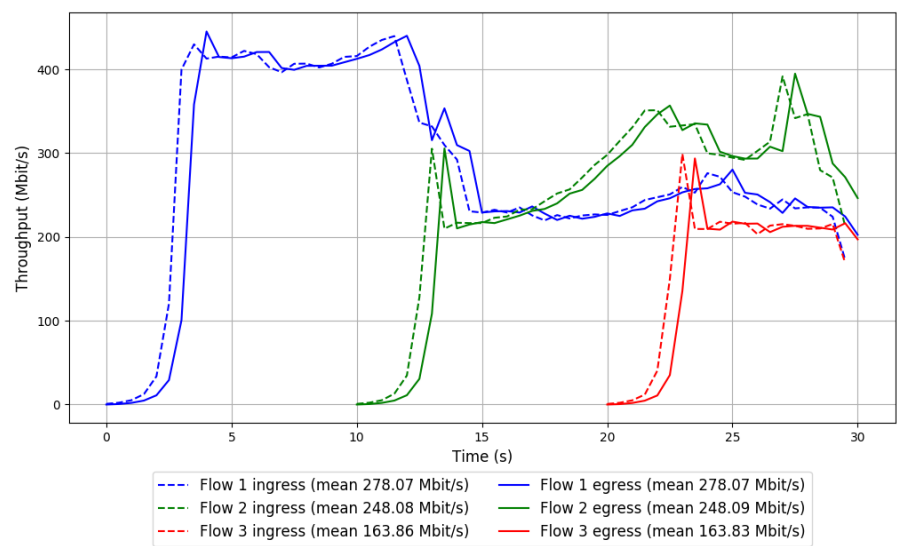
-- Flow 3:

Average throughput: 163.83 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-05-31 12:14:47

End at: 2018-05-31 12:15:17

Local clock offset: 0.042 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-05-31 16:43:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 556.85 Mbit/s

95th percentile per-packet one-way delay: 64.526 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 308.93 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 283.85 Mbit/s

95th percentile per-packet one-way delay: 66.022 ms

Loss rate: 0.00%

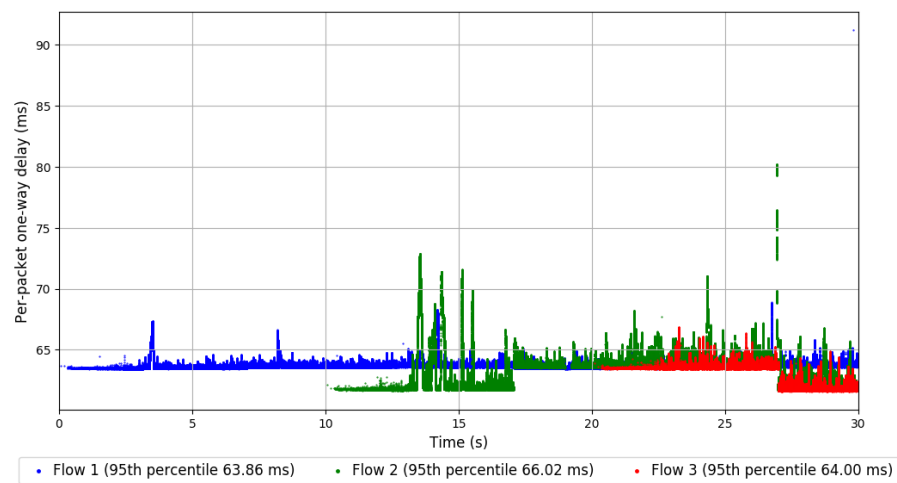
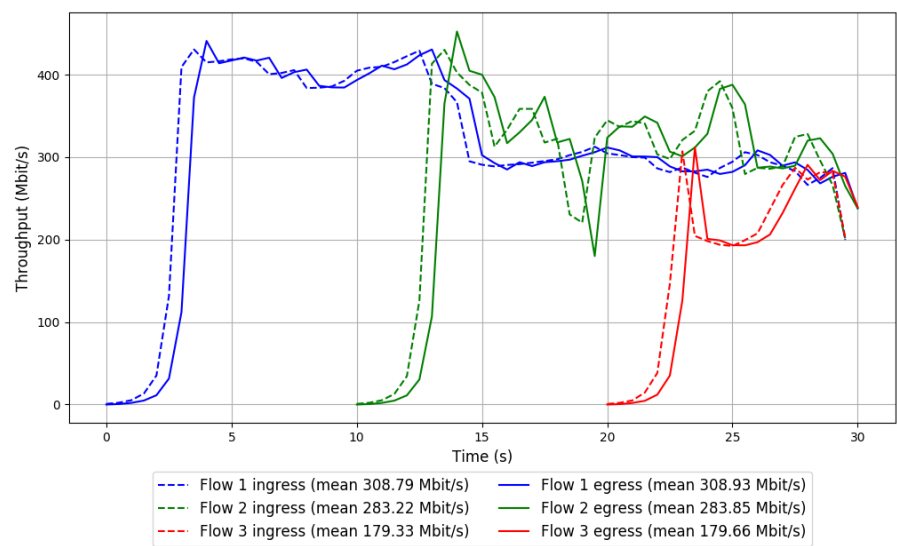
-- Flow 3:

Average throughput: 179.66 Mbit/s

95th percentile per-packet one-way delay: 63.996 ms

Loss rate: 0.01%

Run 4: Report of PCC-Vivace — Data Link

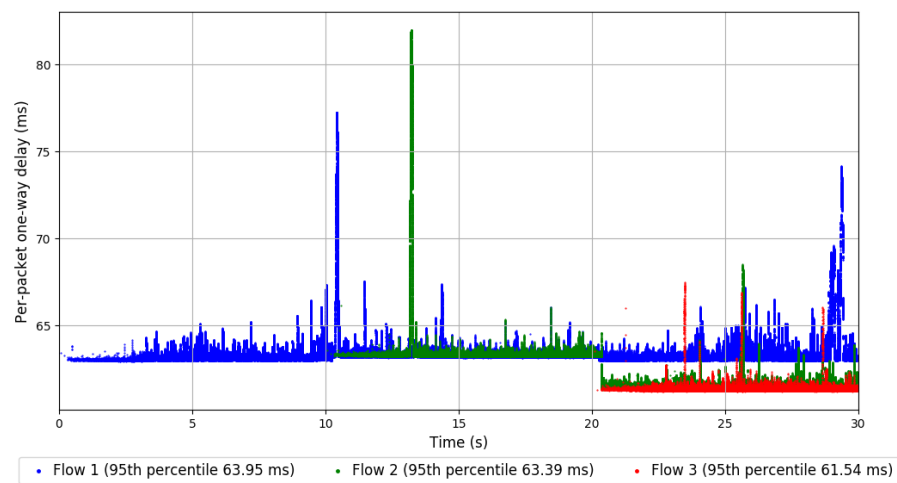
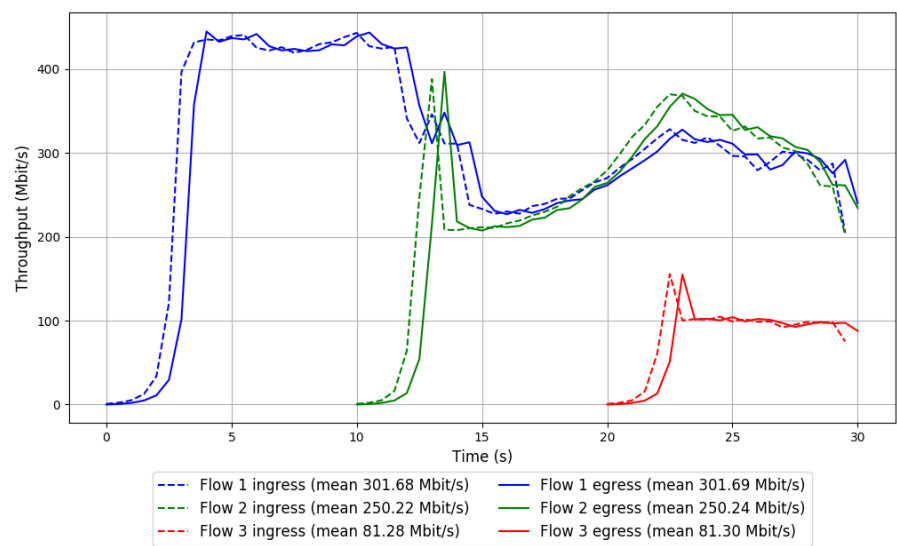


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-31 12:37:34
End at: 2018-05-31 12:38:04
Local clock offset: 0.022 ms
Remote clock offset: -0.289 ms

Below is generated by plot.py at 2018-05-31 16:43:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.93 Mbit/s
95th percentile per-packet one-way delay: 63.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 301.69 Mbit/s
95th percentile per-packet one-way delay: 63.952 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 250.24 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 61.539 ms
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link

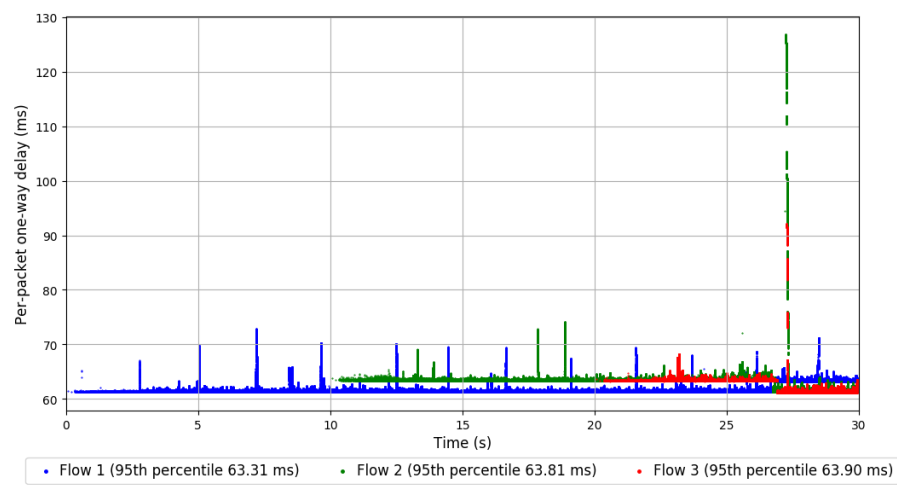
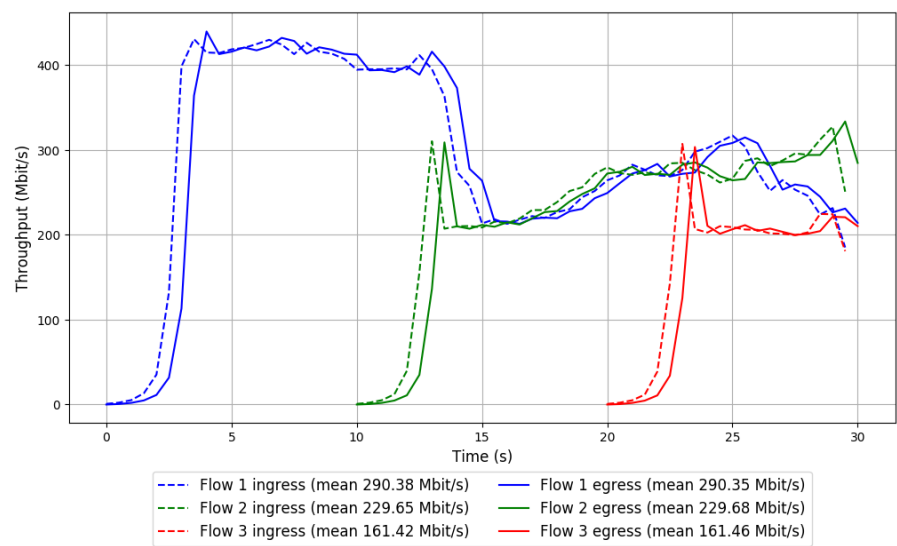


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-31 12:59:58
End at: 2018-05-31 13:00:28
Local clock offset: -0.04 ms
Remote clock offset: -0.275 ms

Below is generated by plot.py at 2018-05-31 16:43:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 496.38 Mbit/s
95th percentile per-packet one-way delay: 63.607 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 290.35 Mbit/s
95th percentile per-packet one-way delay: 63.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 229.68 Mbit/s
95th percentile per-packet one-way delay: 63.814 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 161.46 Mbit/s
95th percentile per-packet one-way delay: 63.896 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-05-31 13:22:31

End at: 2018-05-31 13:23:01

Local clock offset: 0.005 ms

Remote clock offset: 0.155 ms

Below is generated by plot.py at 2018-05-31 16:44:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 493.68 Mbit/s

95th percentile per-packet one-way delay: 64.182 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 303.26 Mbit/s

95th percentile per-packet one-way delay: 64.390 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 200.67 Mbit/s

95th percentile per-packet one-way delay: 63.848 ms

Loss rate: 0.00%

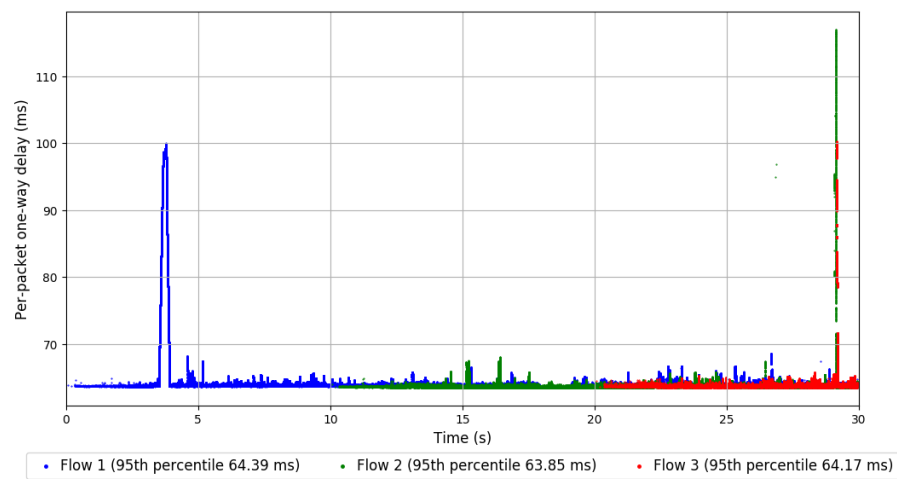
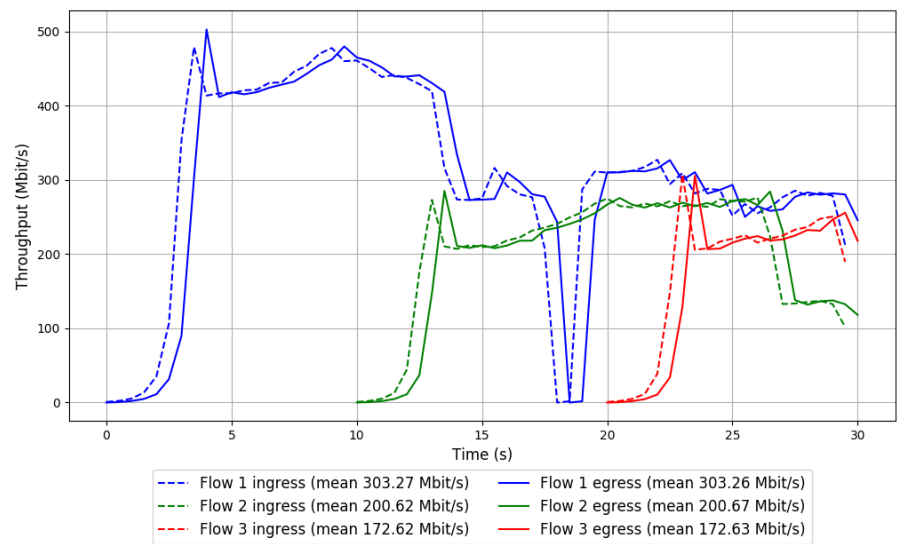
-- Flow 3:

Average throughput: 172.63 Mbit/s

95th percentile per-packet one-way delay: 64.174 ms

Loss rate: 0.02%

Run 7: Report of PCC-Vivace — Data Link

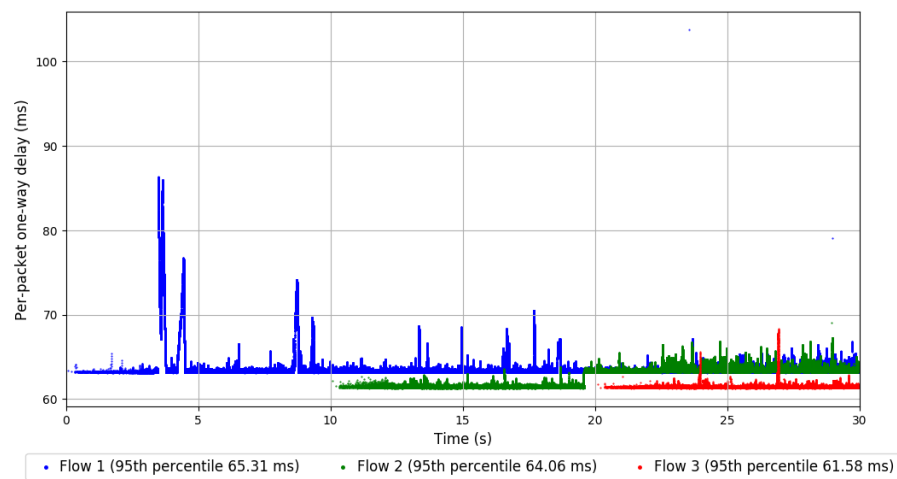
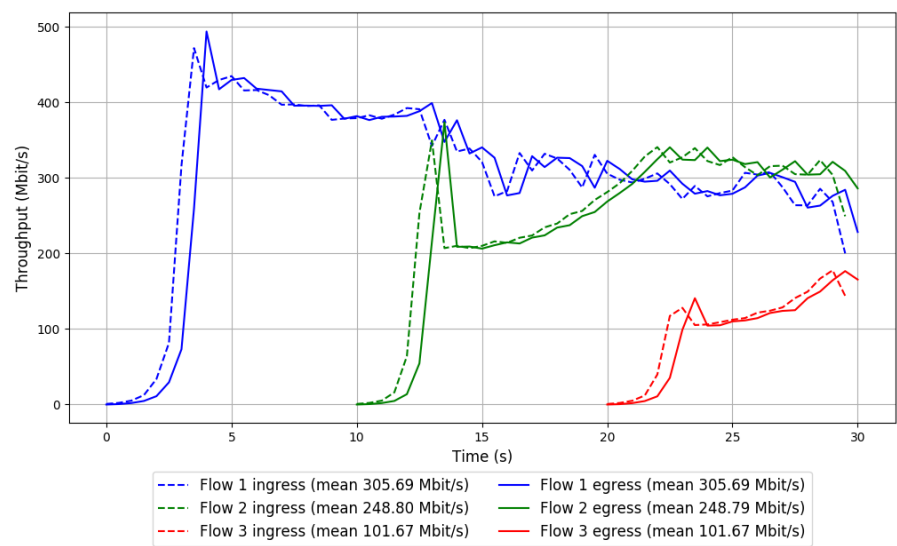


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-31 13:45:15
End at: 2018-05-31 13:45:45
Local clock offset: 0.013 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-05-31 16:44:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 504.67 Mbit/s
95th percentile per-packet one-way delay: 64.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 305.69 Mbit/s
95th percentile per-packet one-way delay: 65.311 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 248.79 Mbit/s
95th percentile per-packet one-way delay: 64.060 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 101.67 Mbit/s
95th percentile per-packet one-way delay: 61.579 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-05-31 14:08:01

End at: 2018-05-31 14:08:31

Local clock offset: 0.029 ms

Remote clock offset: 0.278 ms

Below is generated by plot.py at 2018-05-31 16:44:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 500.68 Mbit/s

95th percentile per-packet one-way delay: 64.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 311.38 Mbit/s

95th percentile per-packet one-way delay: 64.595 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 241.87 Mbit/s

95th percentile per-packet one-way delay: 63.997 ms

Loss rate: 0.00%

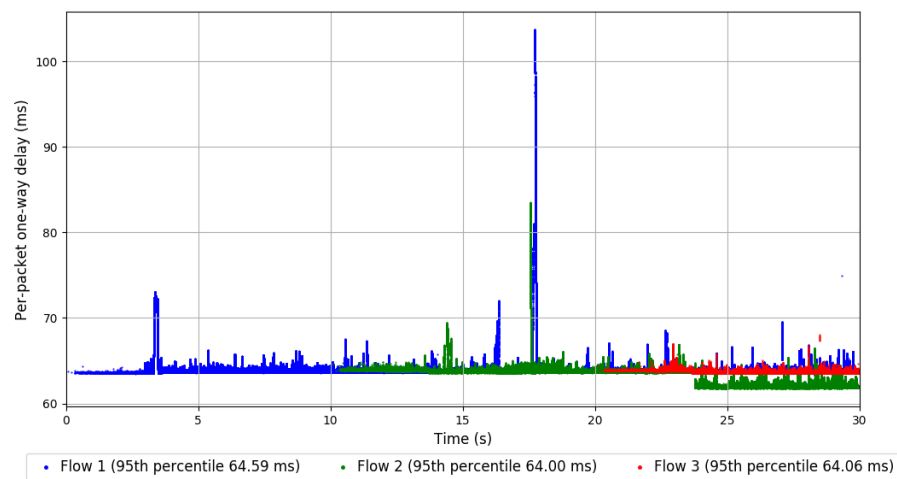
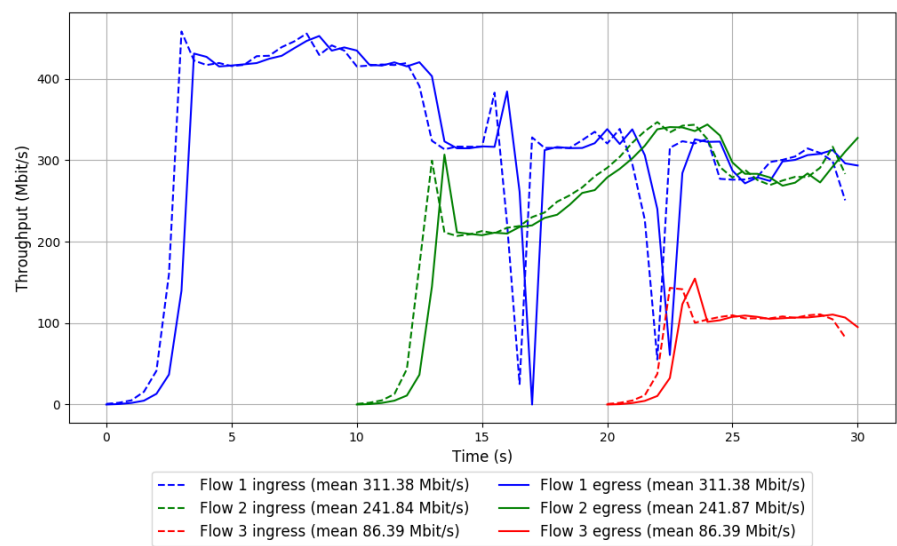
-- Flow 3:

Average throughput: 86.39 Mbit/s

95th percentile per-packet one-way delay: 64.058 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

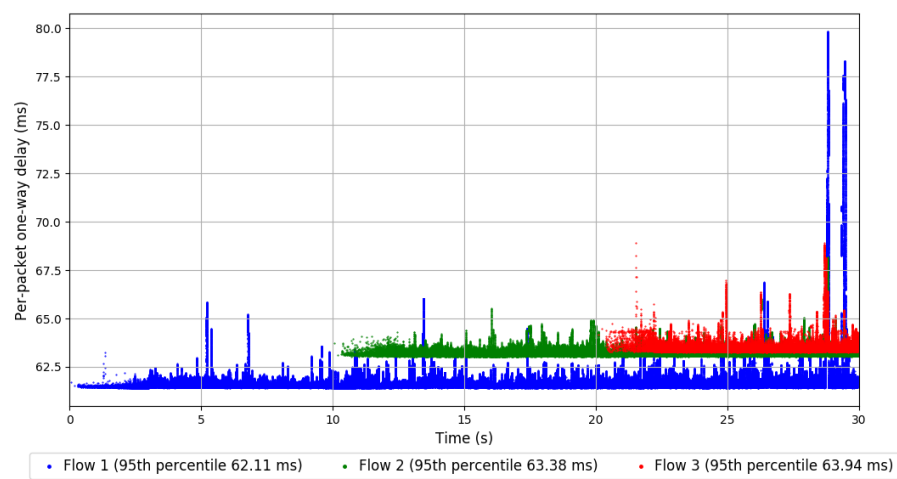
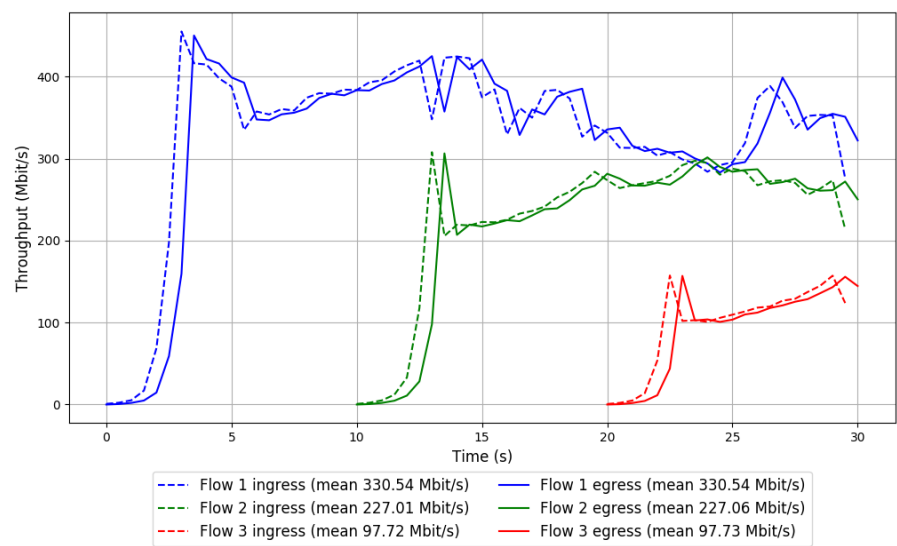


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-31 14:30:45
End at: 2018-05-31 14:31:15
Local clock offset: -0.011 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 513.71 Mbit/s
95th percentile per-packet one-way delay: 63.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 330.54 Mbit/s
95th percentile per-packet one-way delay: 62.106 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 227.06 Mbit/s
95th percentile per-packet one-way delay: 63.377 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.73 Mbit/s
95th percentile per-packet one-way delay: 63.942 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

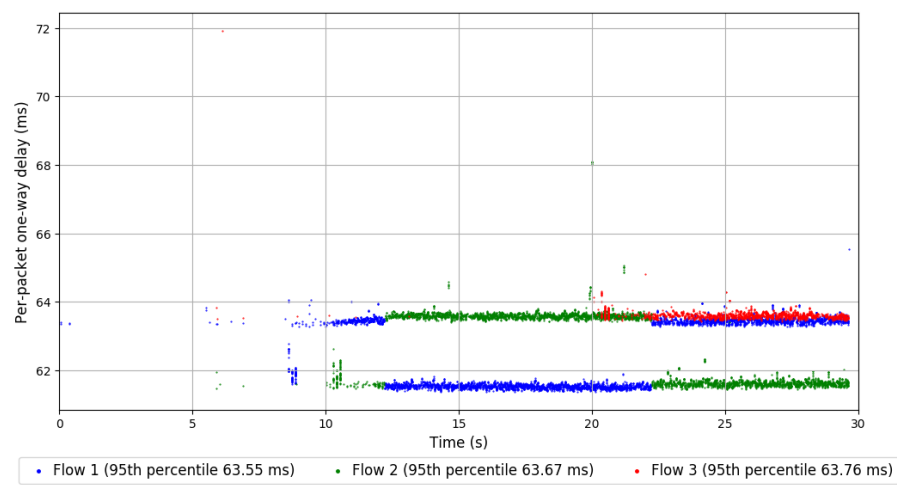
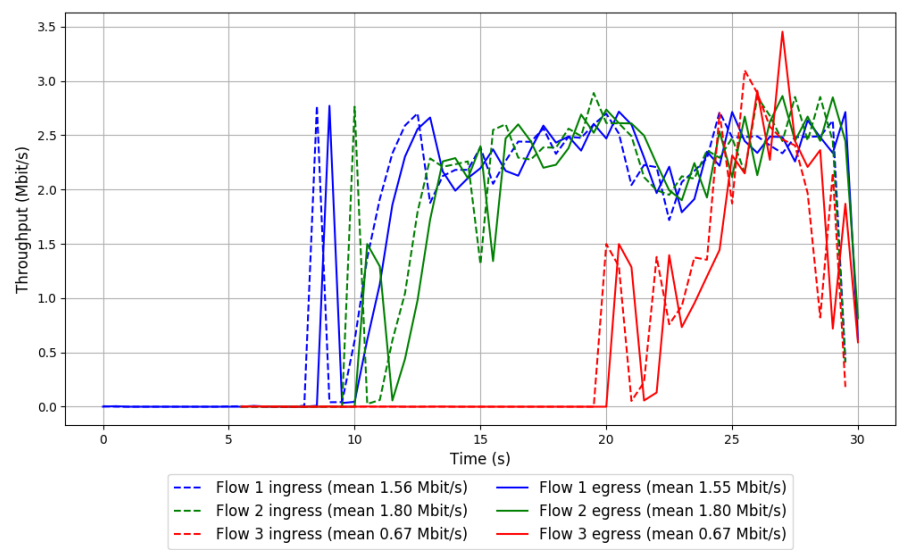


Run 1: Statistics of WebRTC media

Start at: 2018-05-31 11:12:12
End at: 2018-05-31 11:12:42
Local clock offset: -0.55 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 63.673 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 63.548 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 63.674 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 63.757 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-31 11:34:50

End at: 2018-05-31 11:35:20

Local clock offset: -0.067 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-05-31 16:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 63.575 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 63.595 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 61.806 ms

Loss rate: 0.00%

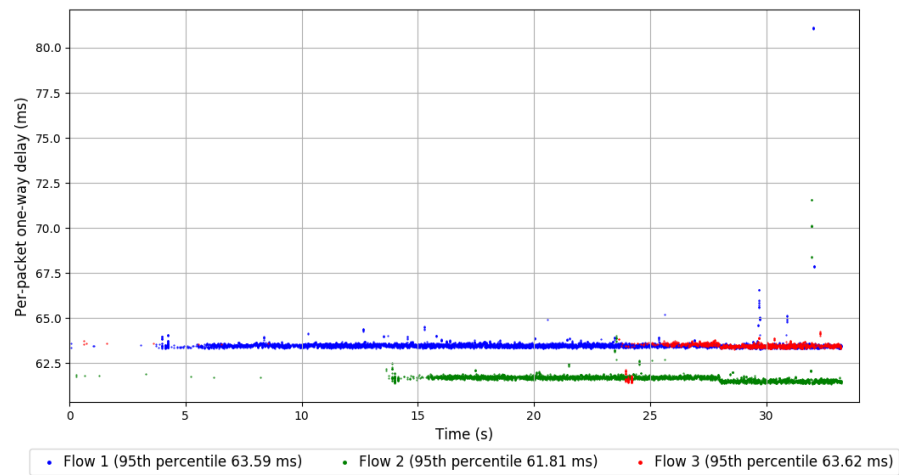
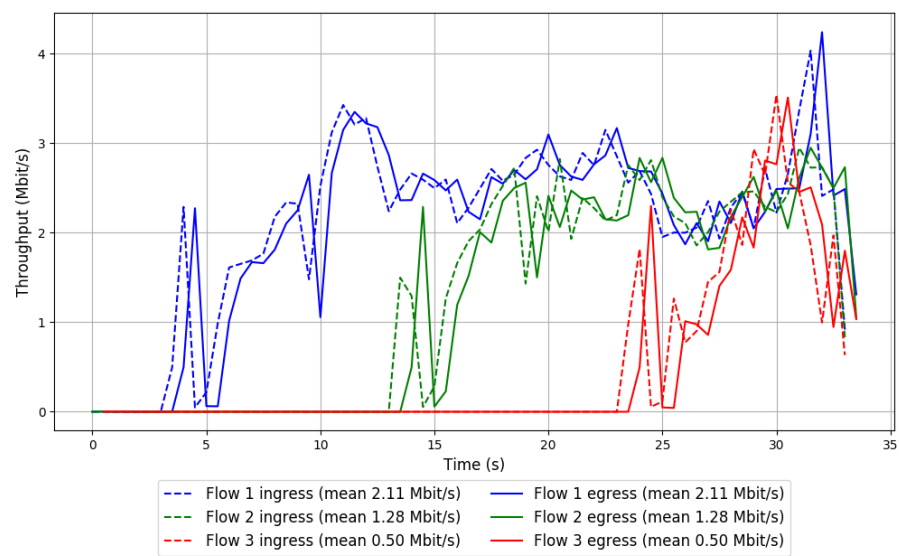
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 63.617 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-05-31 11:57:34

End at: 2018-05-31 11:58:04

Local clock offset: 0.15 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-05-31 16:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.62 Mbit/s

95th percentile per-packet one-way delay: 63.738 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 63.731 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 63.674 ms

Loss rate: 0.00%

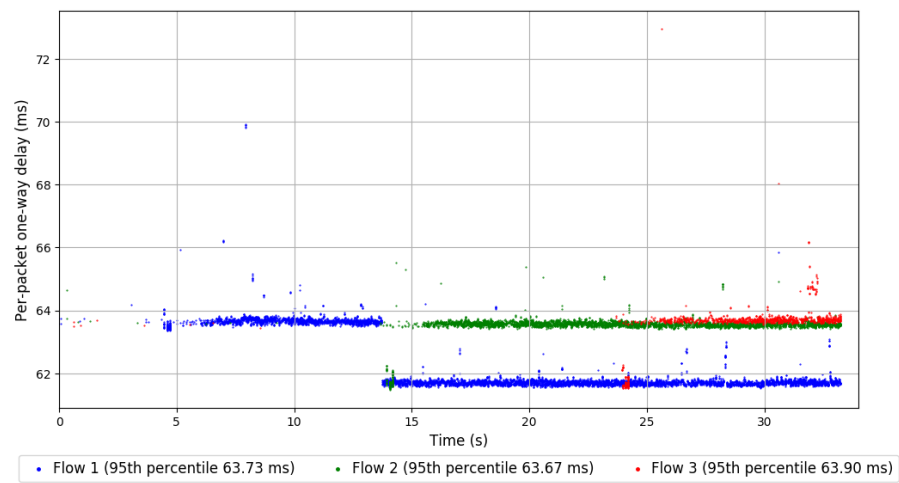
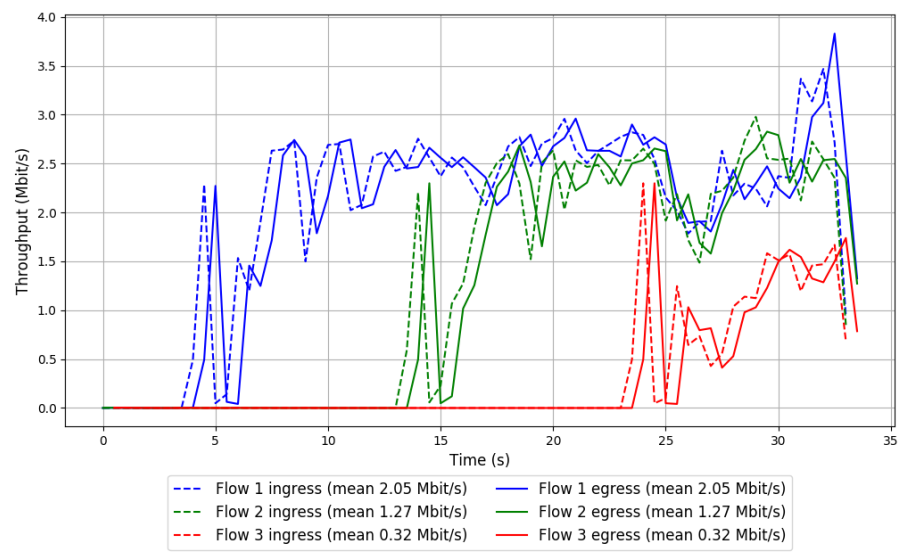
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 63.898 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-05-31 12:20:31

End at: 2018-05-31 12:21:01

Local clock offset: 0.04 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-05-31 16:45:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 63.704 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 63.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 63.614 ms

Loss rate: 0.00%

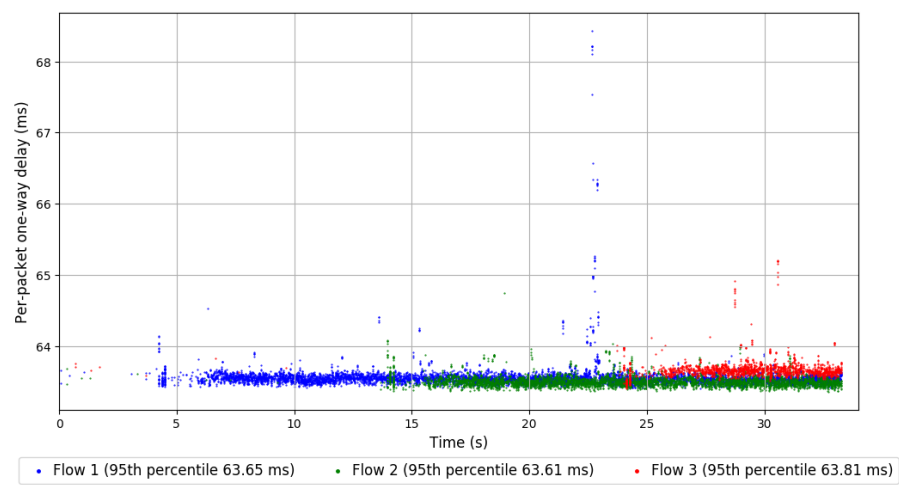
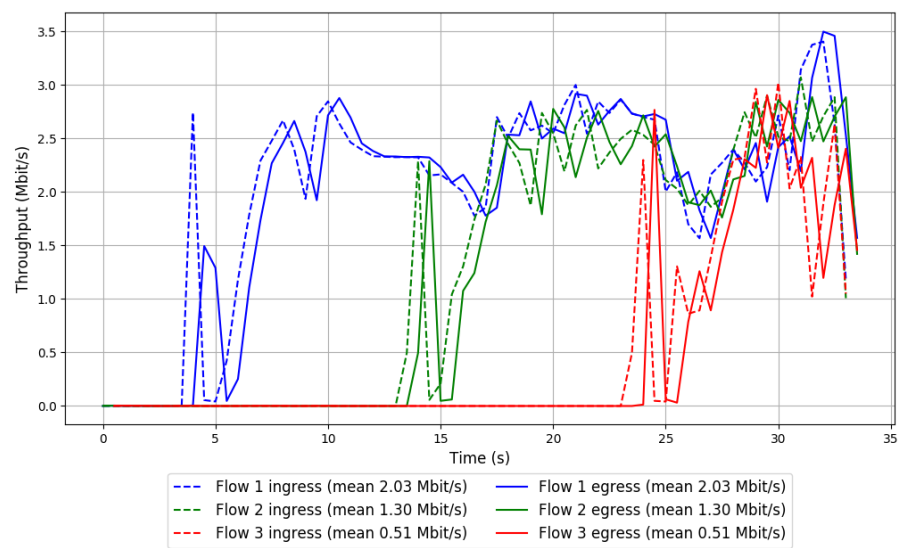
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 63.808 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

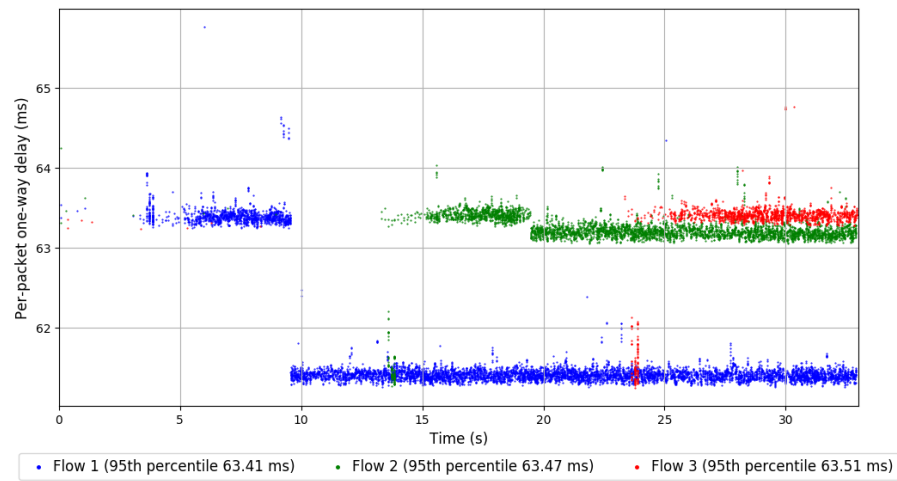
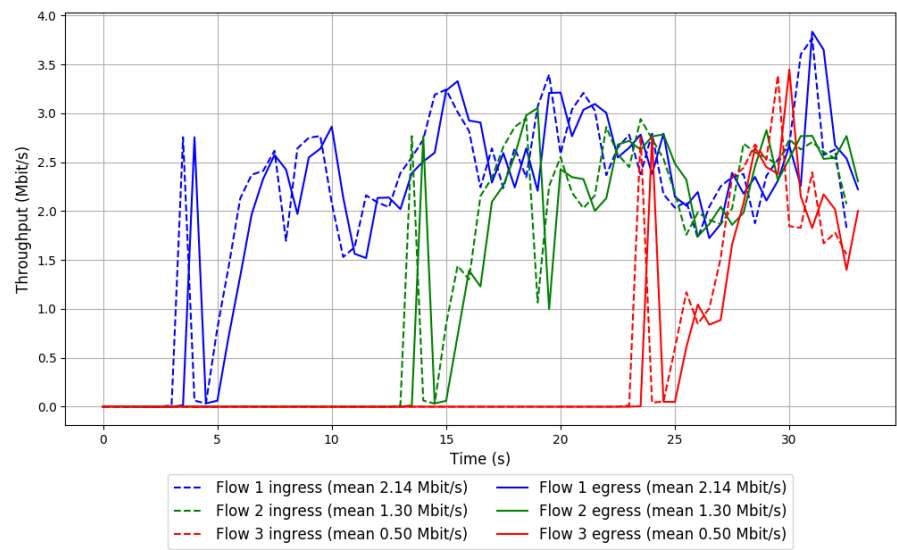


Run 5: Statistics of WebRTC media

Start at: 2018-05-31 12:43:08
End at: 2018-05-31 12:43:38
Local clock offset: -0.004 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 63.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 63.412 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 63.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

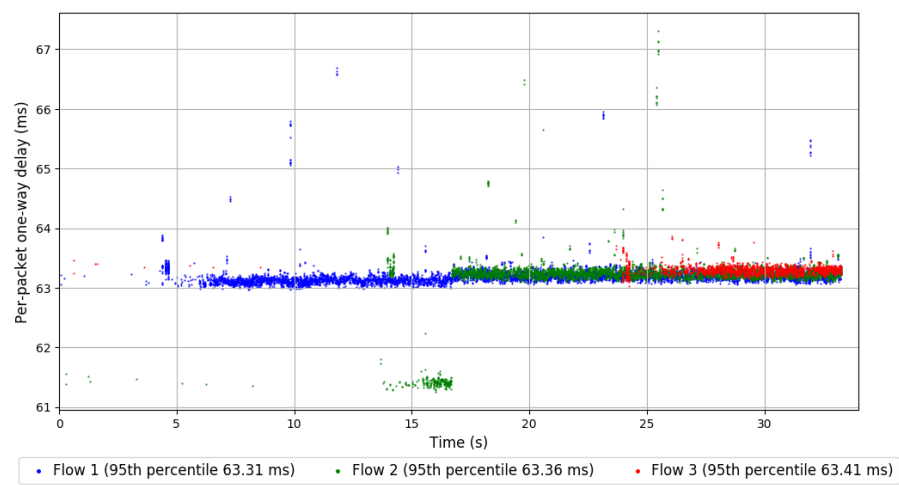
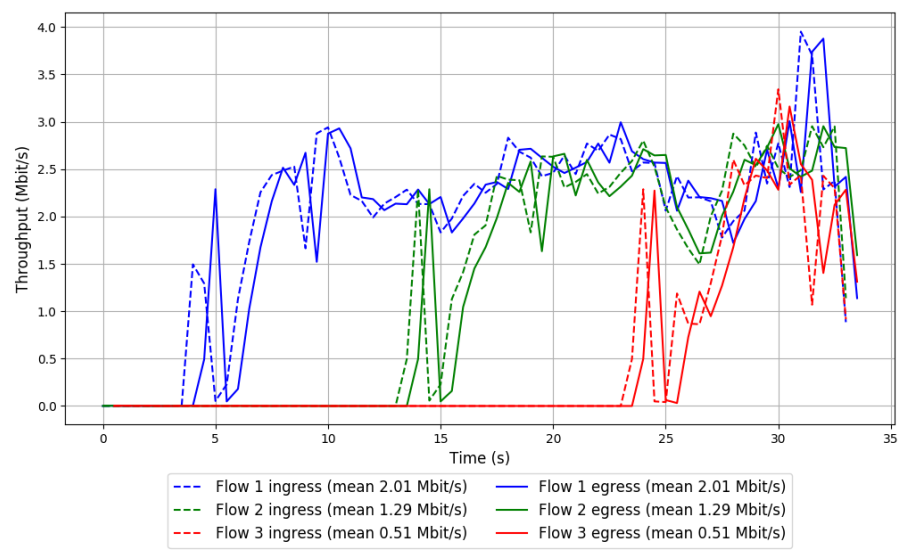


Run 6: Statistics of WebRTC media

Start at: 2018-05-31 13:05:31
End at: 2018-05-31 13:06:01
Local clock offset: 0.02 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 63.360 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 63.315 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 63.364 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.407 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

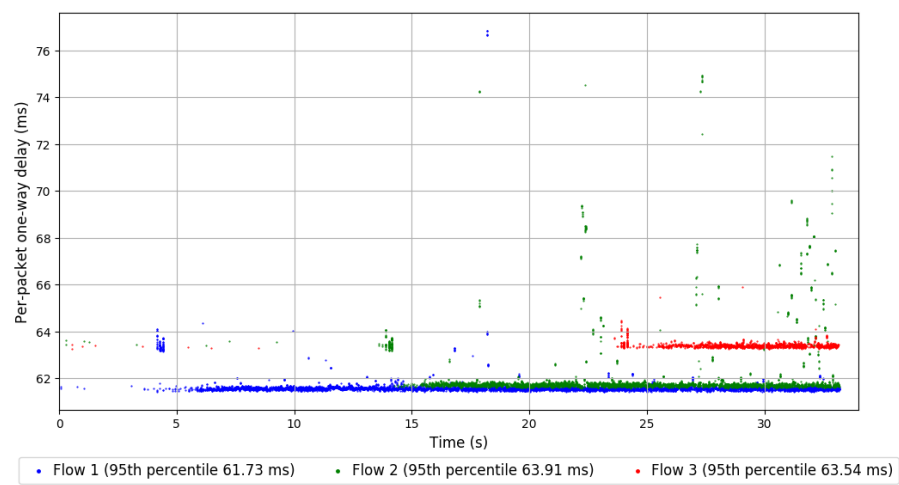
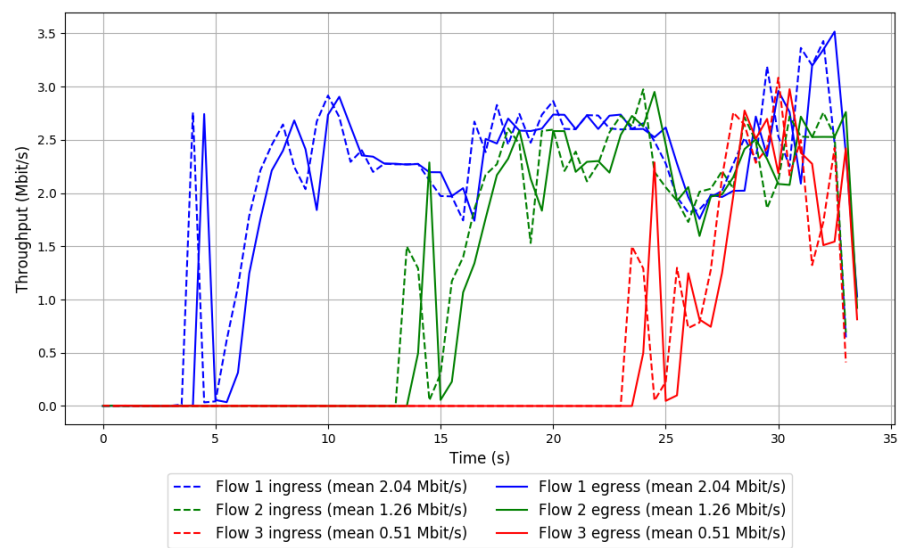


Run 7: Statistics of WebRTC media

Start at: 2018-05-31 13:28:04
End at: 2018-05-31 13:28:34
Local clock offset: -0.021 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 63.446 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.726 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 63.907 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.541 ms
Loss rate: 0.01%

Run 7: Report of WebRTC media — Data Link

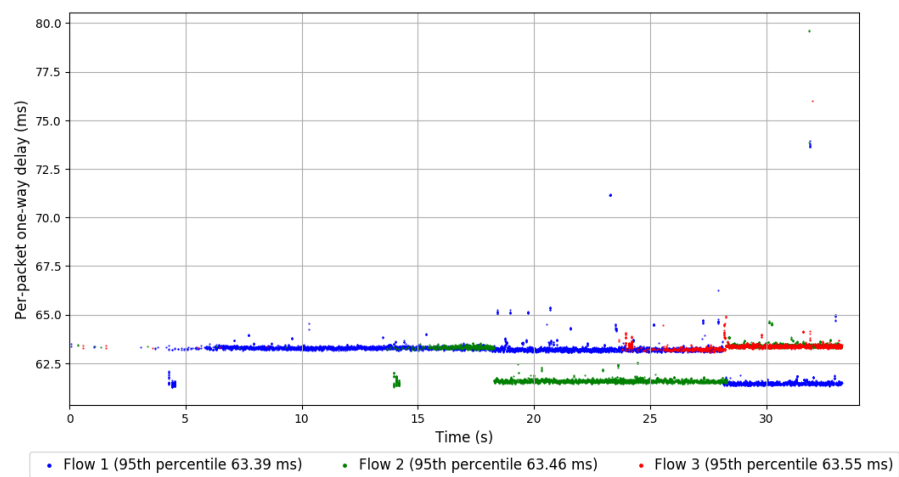
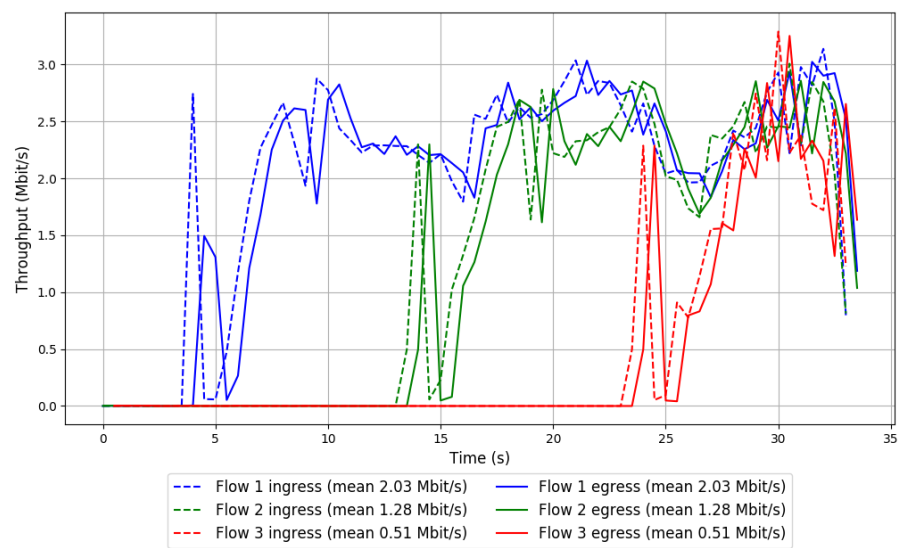


Run 8: Statistics of WebRTC media

Start at: 2018-05-31 13:50:50
End at: 2018-05-31 13:51:20
Local clock offset: 0.029 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 63.458 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 63.389 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 63.462 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 63.555 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

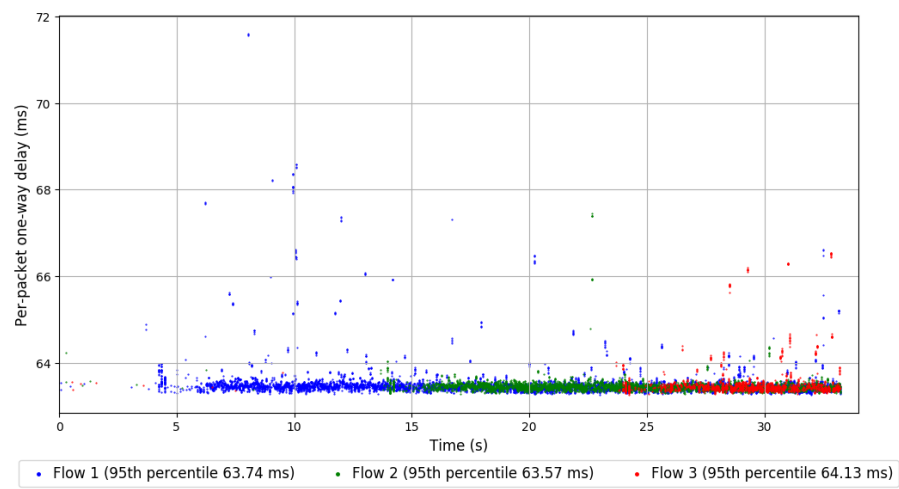
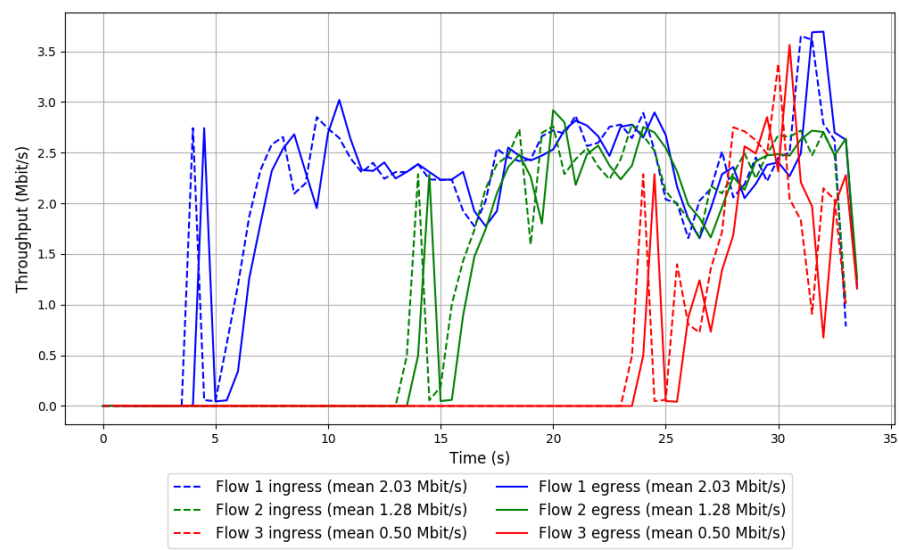


Run 9: Statistics of WebRTC media

Start at: 2018-05-31 14:13:34
End at: 2018-05-31 14:14:04
Local clock offset: 0.014 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 63.665 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 63.744 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 63.570 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 64.128 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-31 14:36:19
End at: 2018-05-31 14:36:49
Local clock offset: -0.059 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-05-31 16:45:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 63.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 63.429 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 61.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 63.780 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

