

Pantheon Report

Generated at 2018-07-06 01:33:30 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

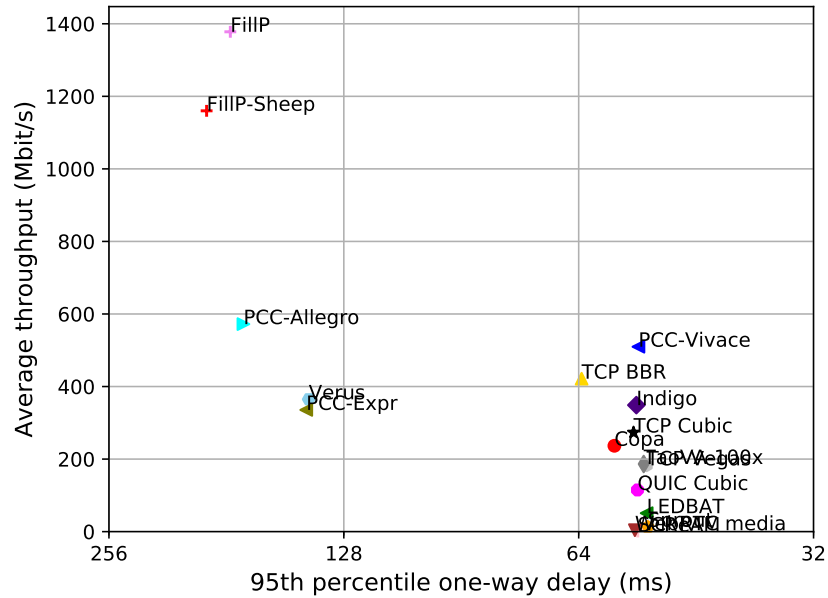
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

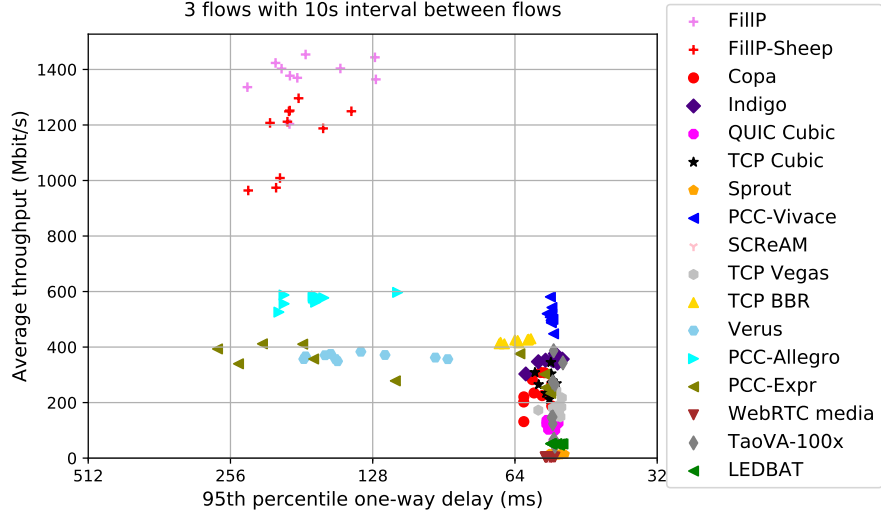
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



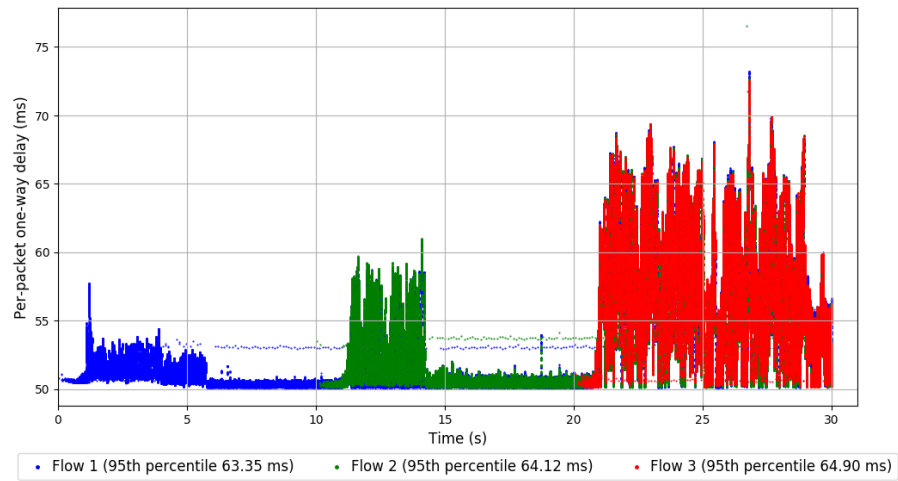
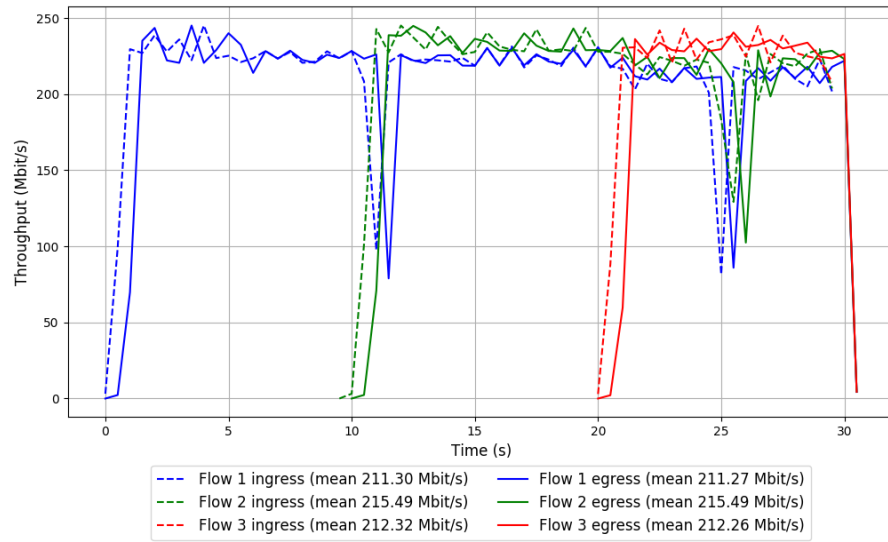
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	213.55	211.18	202.74	62.24	63.51	65.20	0.02	0.03	0.04
Copa	10	123.53	117.44	105.17	54.50	57.39	61.41	0.00	0.00	0.01
TCP Cubic	10	158.25	124.13	97.51	54.50	53.87	54.16	0.00	0.00	0.02
FillP	10	733.13	678.16	584.46	180.35	164.84	99.27	0.89	1.11	0.35
FillP-Sheep	10	580.82	616.27	510.67	205.50	159.83	111.94	2.03	2.84	0.38
Indigo	10	184.90	173.92	149.37	53.16	54.20	55.93	0.00	0.00	0.00
LEDBAT	10	33.16	21.31	10.75	52.15	52.39	52.49	0.00	0.00	0.00
PCC-Allegro	10	529.11	39.58	50.66	172.24	170.11	153.75	1.34	1.43	1.46
PCC-Expr	10	210.43	139.37	98.26	135.16	141.71	118.83	2.52	2.05	2.14
QUIC Cubic	10	61.24	57.97	46.25	53.13	53.00	53.27	0.00	0.00	0.01
SCReAM	10	0.21	0.21	0.22	53.47	52.55	52.51	0.00	0.00	0.00
Sprout	10	6.82	6.32	6.95	52.09	52.60	52.67	0.00	0.00	0.00
TaoVA-100x	10	90.11	84.21	169.28	52.71	53.15	51.62	0.00	0.00	0.00
TCP Vegas	10	96.37	99.49	60.68	52.47	52.10	51.46	0.00	0.01	0.02
Verus	10	229.06	161.55	89.40	139.56	139.43	131.82	0.38	0.77	0.73
PCC-Vivace	10	312.12	258.74	77.56	52.82	53.14	52.03	0.00	0.00	0.01
WebRTC media	10	2.06	1.32	0.55	54.16	53.27	52.86	0.00	0.02	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-05 18:26:05
End at: 2018-07-05 18:26:35
Local clock offset: -0.092 ms
Remote clock offset: -0.118 ms

Below is generated by plot.py at 2018-07-05 22:58:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 425.31 Mbit/s
95th percentile per-packet one-way delay: 64.046 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 211.27 Mbit/s
95th percentile per-packet one-way delay: 63.350 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 215.49 Mbit/s
95th percentile per-packet one-way delay: 64.123 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 212.26 Mbit/s
95th percentile per-packet one-way delay: 64.903 ms
Loss rate: 0.03%

Run 1: Report of TCP BBR — Data Link

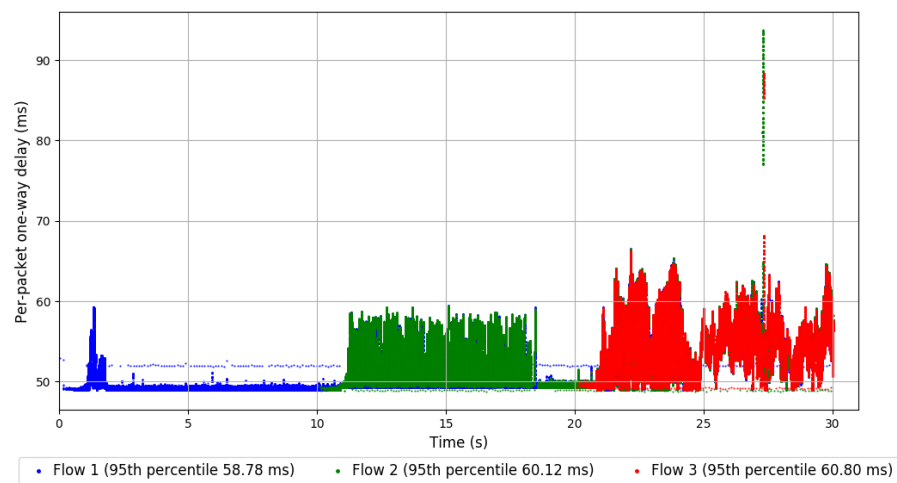
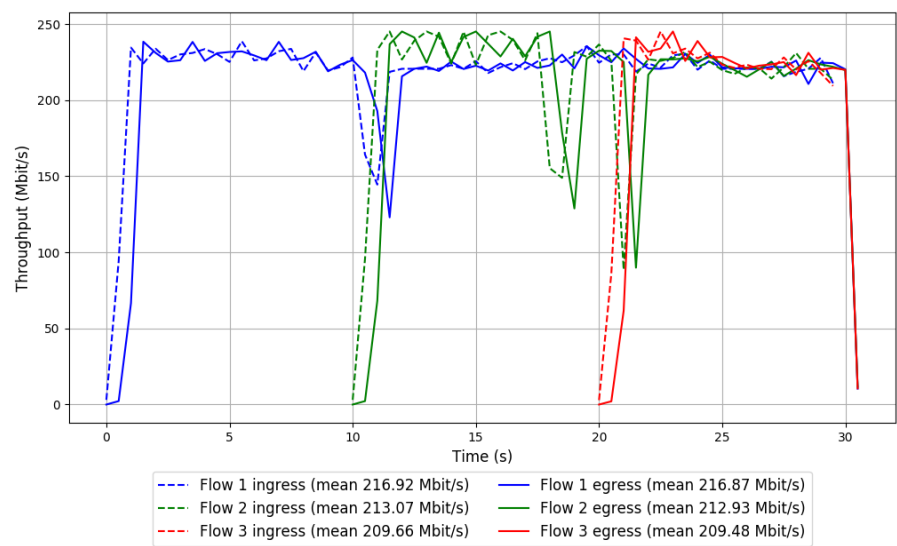


Run 2: Statistics of TCP BBR

Start at: 2018-07-05 18:50:38
End at: 2018-07-05 18:51:08
Local clock offset: -0.103 ms
Remote clock offset: -1.387 ms

Below is generated by plot.py at 2018-07-05 22:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 428.34 Mbit/s
95th percentile per-packet one-way delay: 59.888 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 216.87 Mbit/s
95th percentile per-packet one-way delay: 58.778 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 212.93 Mbit/s
95th percentile per-packet one-way delay: 60.119 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 209.48 Mbit/s
95th percentile per-packet one-way delay: 60.799 ms
Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-05 19:15:42

End at: 2018-07-05 19:16:12

Local clock offset: -0.346 ms

Remote clock offset: 0.991 ms

Below is generated by plot.py at 2018-07-05 22:58:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 412.04 Mbit/s

95th percentile per-packet one-way delay: 69.114 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 208.33 Mbit/s

95th percentile per-packet one-way delay: 67.299 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 203.66 Mbit/s

95th percentile per-packet one-way delay: 69.491 ms

Loss rate: 0.03%

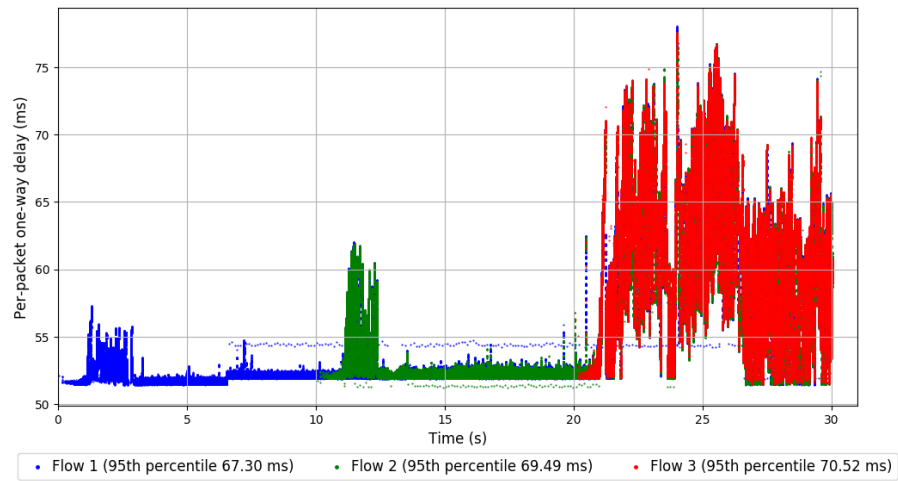
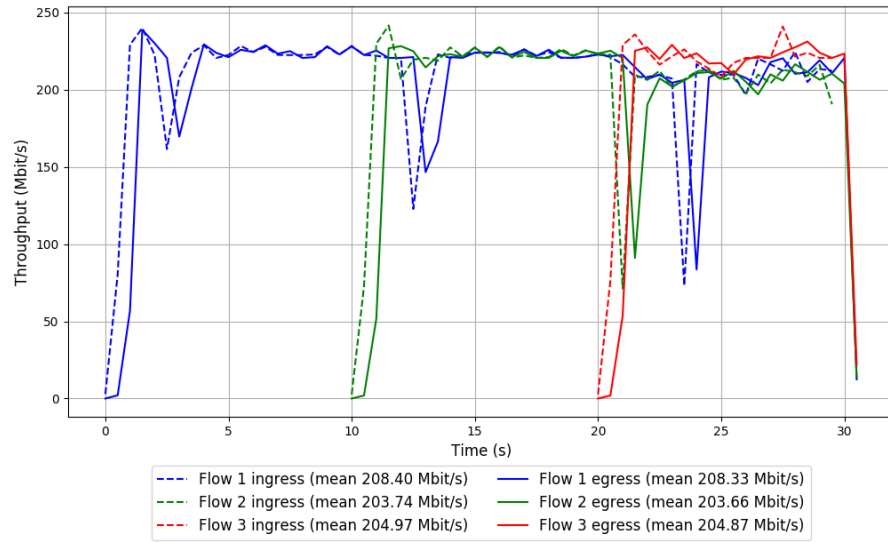
-- Flow 3:

Average throughput: 204.87 Mbit/s

95th percentile per-packet one-way delay: 70.522 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

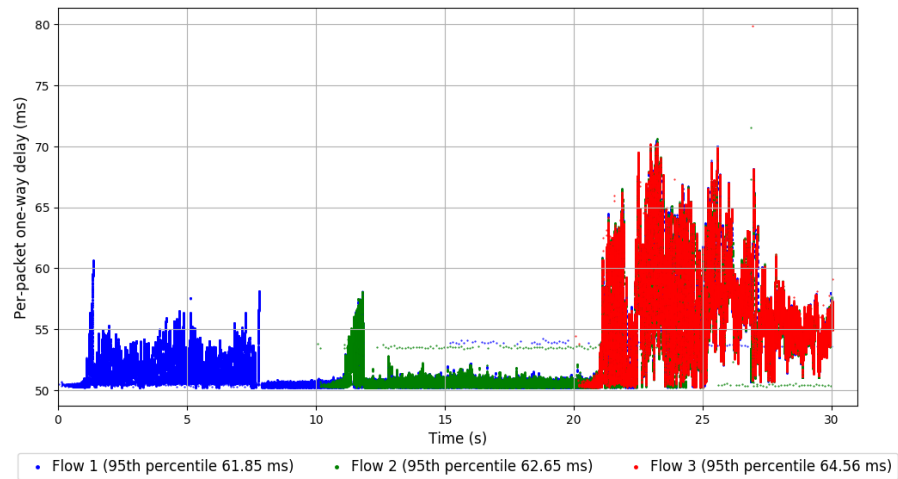
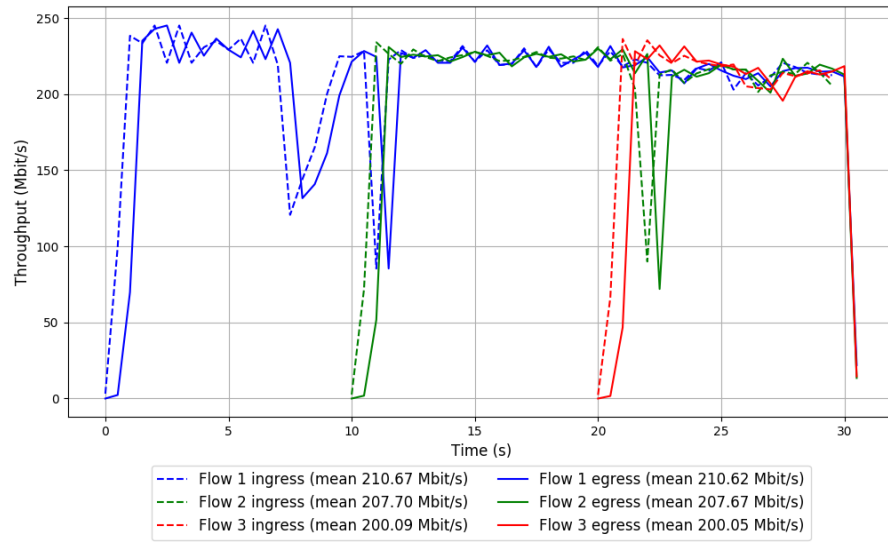


Run 4: Statistics of TCP BBR

Start at: 2018-07-05 19:40:24
End at: 2018-07-05 19:40:54
Local clock offset: -0.118 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-05 22:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 415.34 Mbit/s
95th percentile per-packet one-way delay: 62.826 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 210.62 Mbit/s
95th percentile per-packet one-way delay: 61.847 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 207.67 Mbit/s
95th percentile per-packet one-way delay: 62.651 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 200.05 Mbit/s
95th percentile per-packet one-way delay: 64.562 ms
Loss rate: 0.03%

Run 4: Report of TCP BBR — Data Link

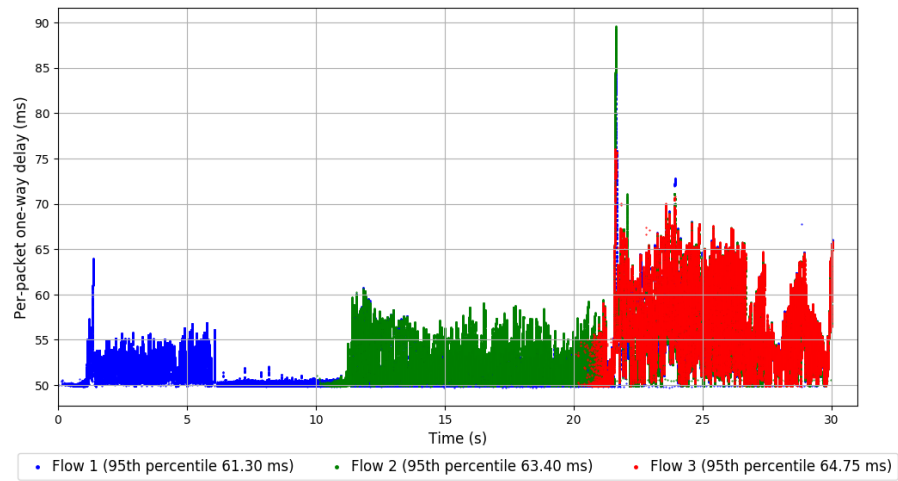
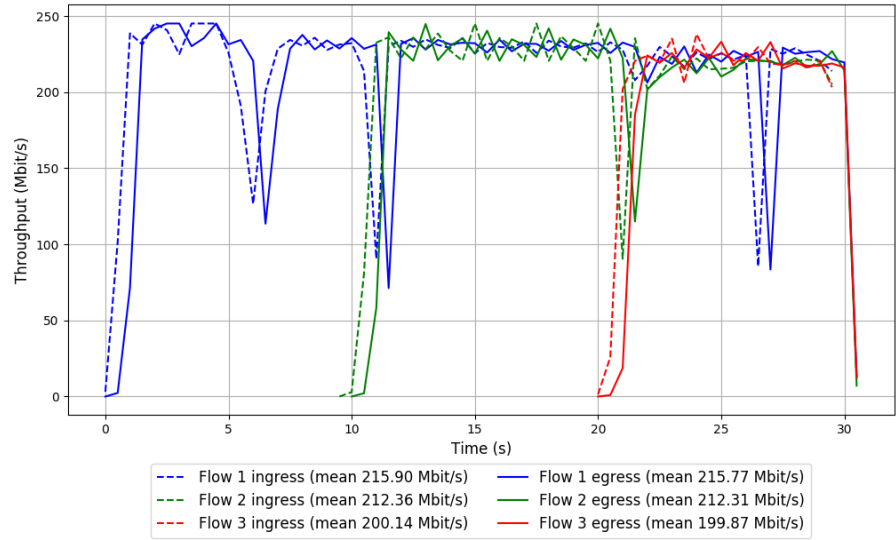


Run 5: Statistics of TCP BBR

Start at: 2018-07-05 20:05:15
End at: 2018-07-05 20:05:45
Local clock offset: -0.036 ms
Remote clock offset: -0.214 ms

Below is generated by plot.py at 2018-07-05 22:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 423.69 Mbit/s
95th percentile per-packet one-way delay: 63.161 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 215.77 Mbit/s
95th percentile per-packet one-way delay: 61.301 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 212.31 Mbit/s
95th percentile per-packet one-way delay: 63.400 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 199.87 Mbit/s
95th percentile per-packet one-way delay: 64.755 ms
Loss rate: 0.03%

Run 5: Report of TCP BBR — Data Link

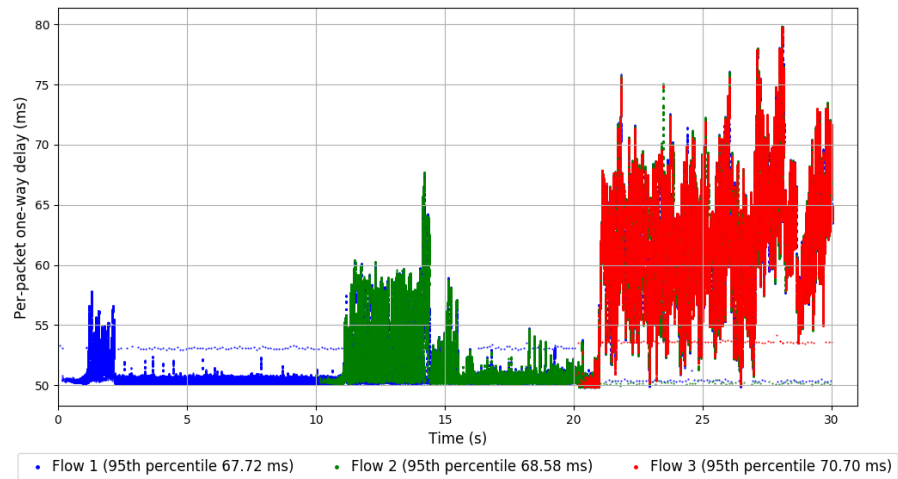
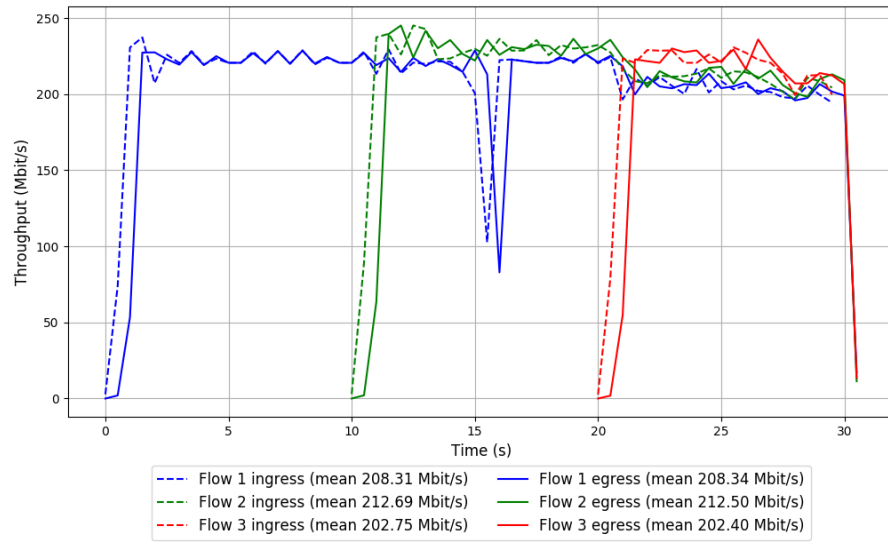


Run 6: Statistics of TCP BBR

Start at: 2018-07-05 20:30:29
End at: 2018-07-05 20:30:59
Local clock offset: 0.013 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-05 22:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 417.07 Mbit/s
95th percentile per-packet one-way delay: 68.664 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 208.34 Mbit/s
95th percentile per-packet one-way delay: 67.720 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 212.50 Mbit/s
95th percentile per-packet one-way delay: 68.584 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 202.40 Mbit/s
95th percentile per-packet one-way delay: 70.699 ms
Loss rate: 0.18%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-05 20:55:33

End at: 2018-07-05 20:56:03

Local clock offset: 0.084 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-05 22:58:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 425.37 Mbit/s

95th percentile per-packet one-way delay: 60.028 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 217.11 Mbit/s

95th percentile per-packet one-way delay: 58.605 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 212.27 Mbit/s

95th percentile per-packet one-way delay: 60.013 ms

Loss rate: 0.01%

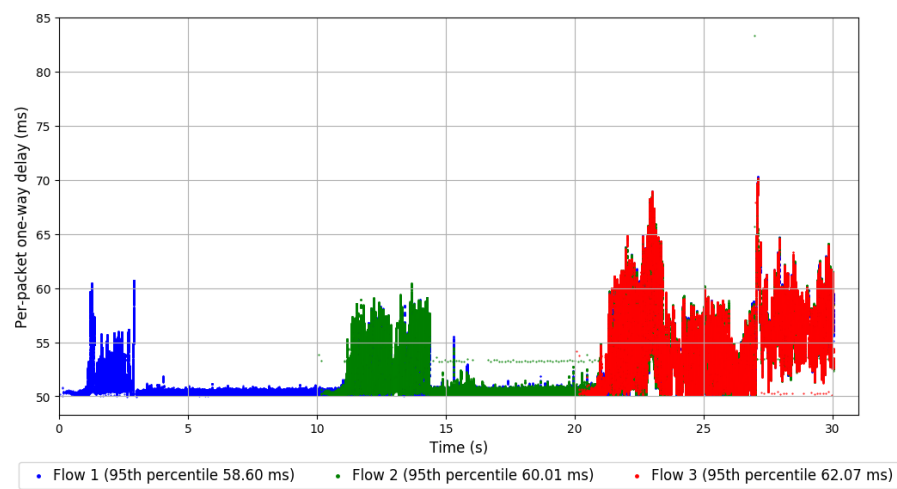
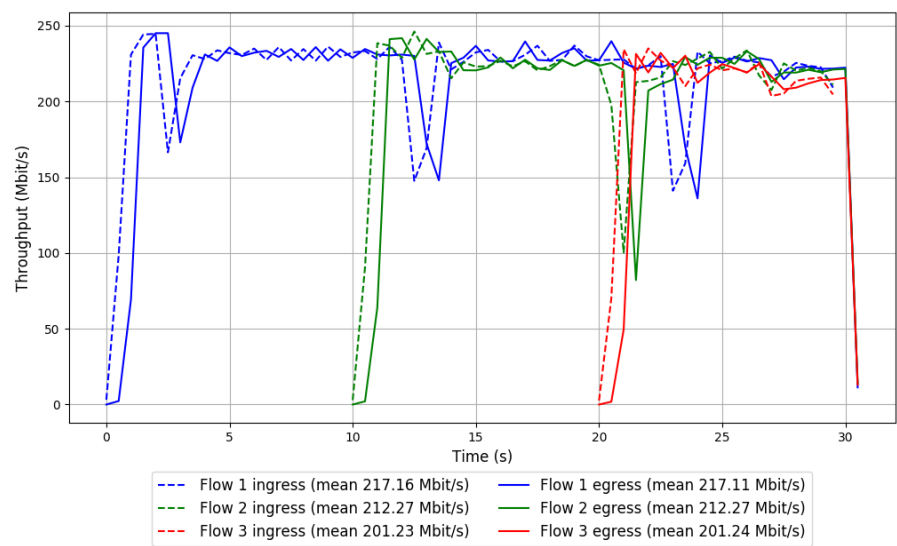
-- Flow 3:

Average throughput: 201.24 Mbit/s

95th percentile per-packet one-way delay: 62.074 ms

Loss rate: 0.02%

Run 7: Report of TCP BBR — Data Link

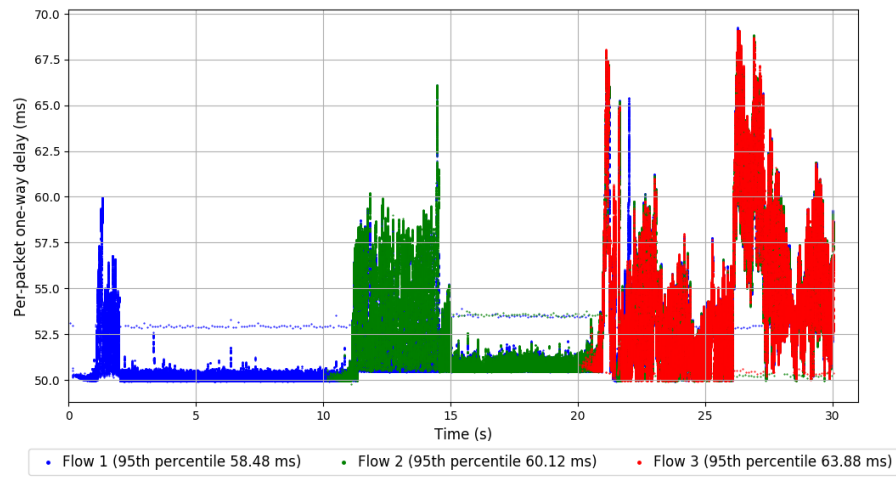
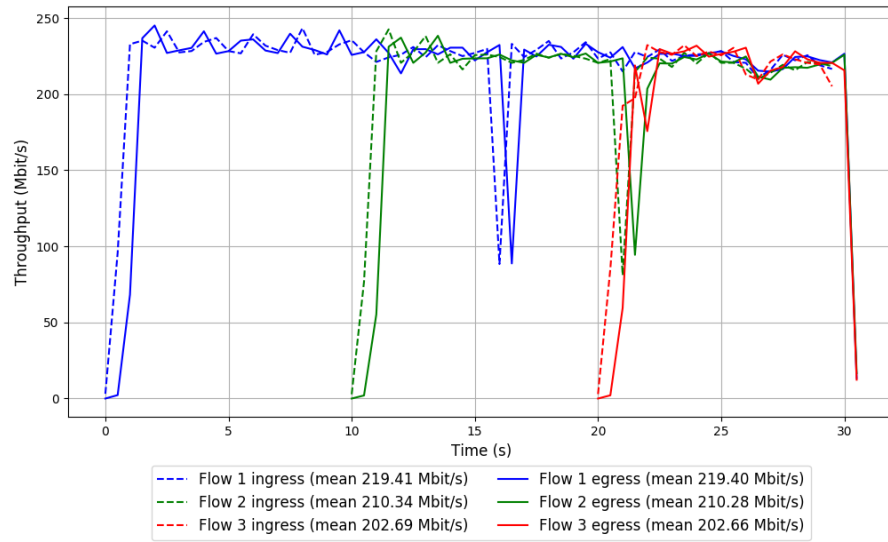


Run 8: Statistics of TCP BBR

Start at: 2018-07-05 21:20:28
End at: 2018-07-05 21:20:58
Local clock offset: 0.034 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-05 22:58:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 426.89 Mbit/s
95th percentile per-packet one-way delay: 60.159 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 219.40 Mbit/s
95th percentile per-packet one-way delay: 58.482 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 210.28 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 202.66 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 0.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-05 21:45:07

End at: 2018-07-05 21:45:37

Local clock offset: -0.03 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2018-07-05 23:04:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 411.76 Mbit/s

95th percentile per-packet one-way delay: 67.383 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 209.95 Mbit/s

95th percentile per-packet one-way delay: 66.278 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 207.29 Mbit/s

95th percentile per-packet one-way delay: 67.211 ms

Loss rate: 0.01%

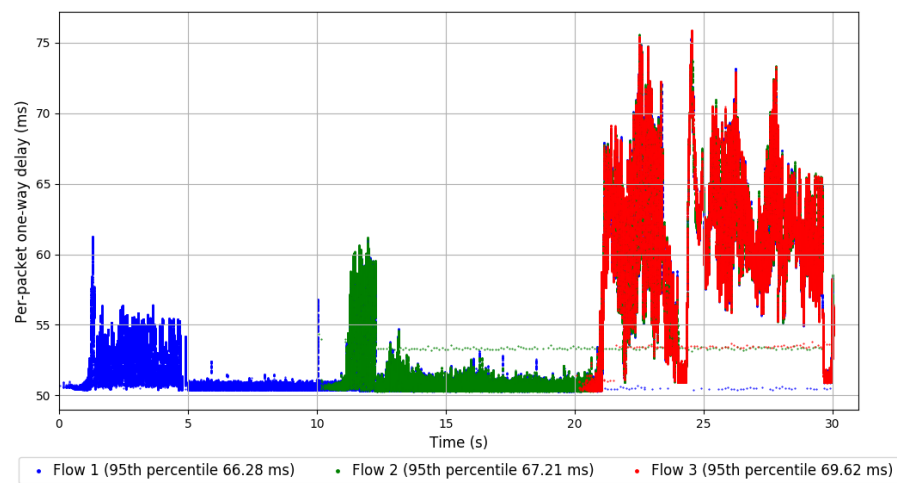
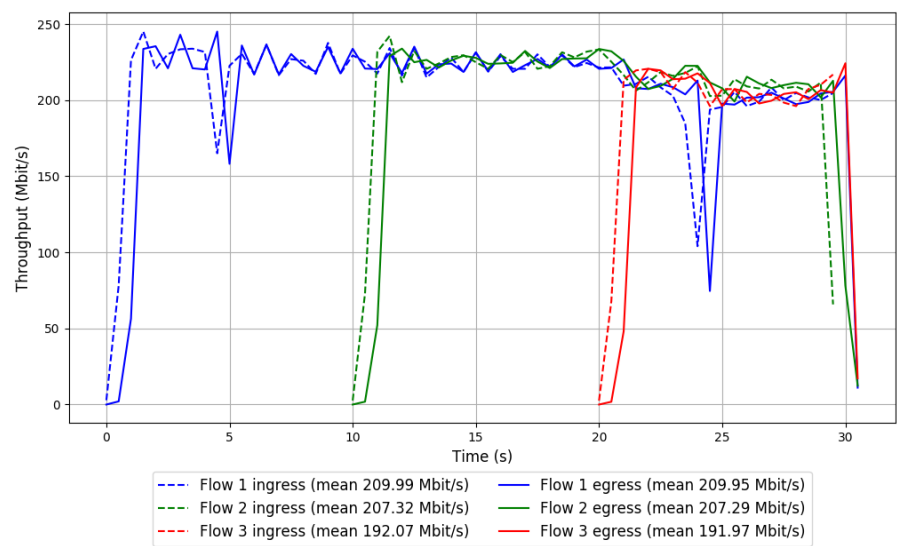
-- Flow 3:

Average throughput: 191.97 Mbit/s

95th percentile per-packet one-way delay: 69.618 ms

Loss rate: 0.02%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-07-05 22:10:17

End at: 2018-07-05 22:10:47

Local clock offset: -0.135 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-05 23:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.10 Mbit/s

95th percentile per-packet one-way delay: 59.215 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 217.85 Mbit/s

95th percentile per-packet one-way delay: 58.787 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 217.37 Mbit/s

95th percentile per-packet one-way delay: 59.401 ms

Loss rate: 0.03%

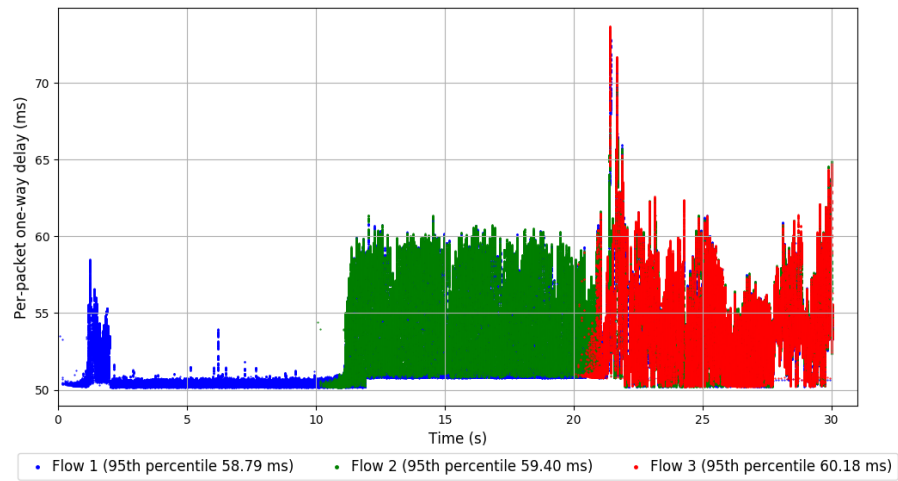
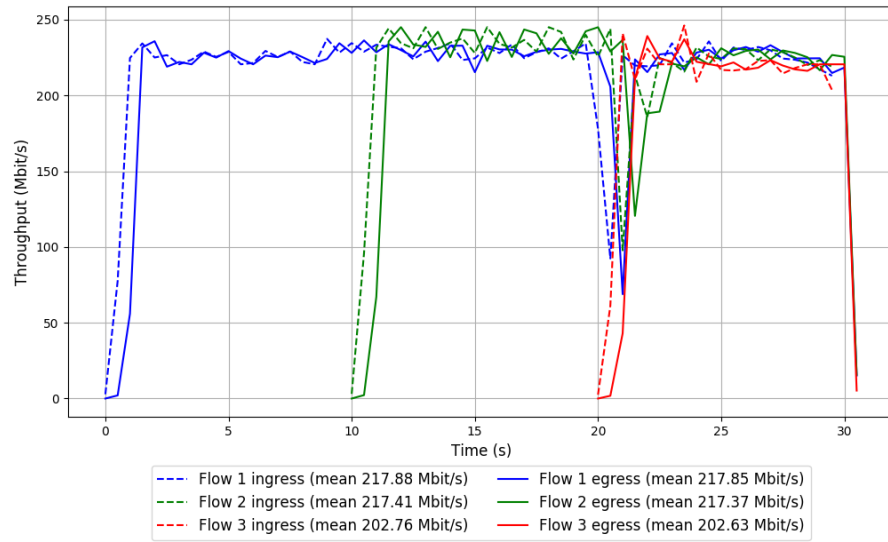
-- Flow 3:

Average throughput: 202.63 Mbit/s

95th percentile per-packet one-way delay: 60.182 ms

Loss rate: 0.06%

Run 10: Report of TCP BBR — Data Link

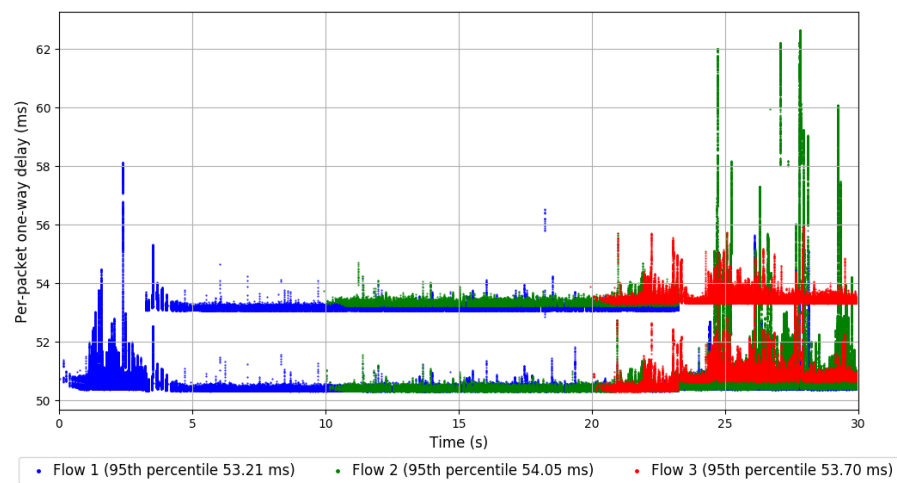
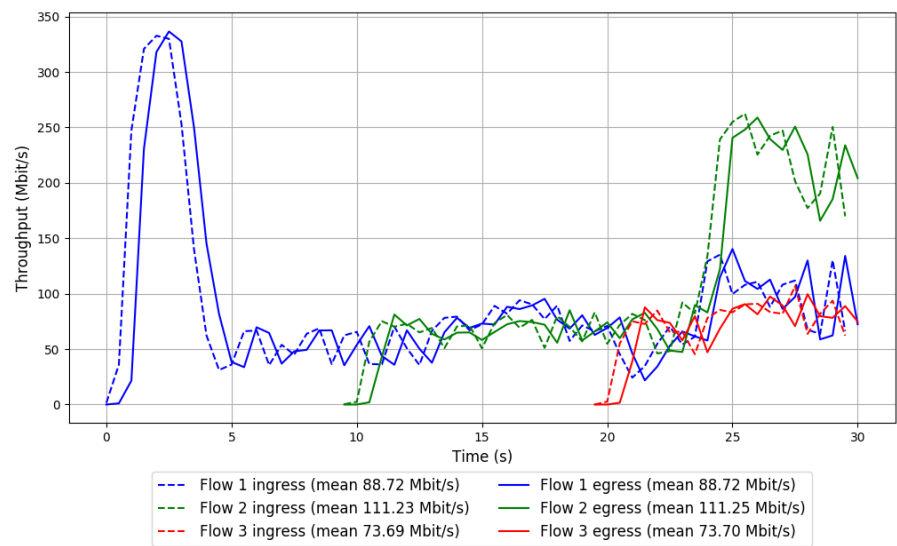


Run 1: Statistics of Copa

Start at: 2018-07-05 18:29:05
End at: 2018-07-05 18:29:35
Local clock offset: -0.347 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-05 23:05:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.71 Mbit/s
95th percentile per-packet one-way delay: 53.499 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 53.213 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 111.25 Mbit/s
95th percentile per-packet one-way delay: 54.046 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 73.70 Mbit/s
95th percentile per-packet one-way delay: 53.704 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-05 18:53:36

End at: 2018-07-05 18:54:06

Local clock offset: -0.05 ms

Remote clock offset: 1.066 ms

Below is generated by plot.py at 2018-07-05 23:05:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 225.12 Mbit/s

95th percentile per-packet one-way delay: 56.059 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.94 Mbit/s

95th percentile per-packet one-way delay: 54.830 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 146.82 Mbit/s

95th percentile per-packet one-way delay: 57.773 ms

Loss rate: 0.00%

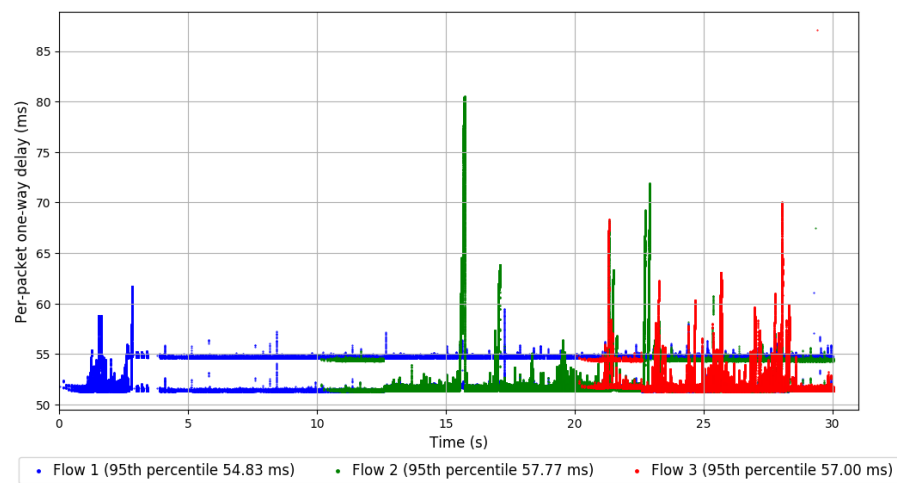
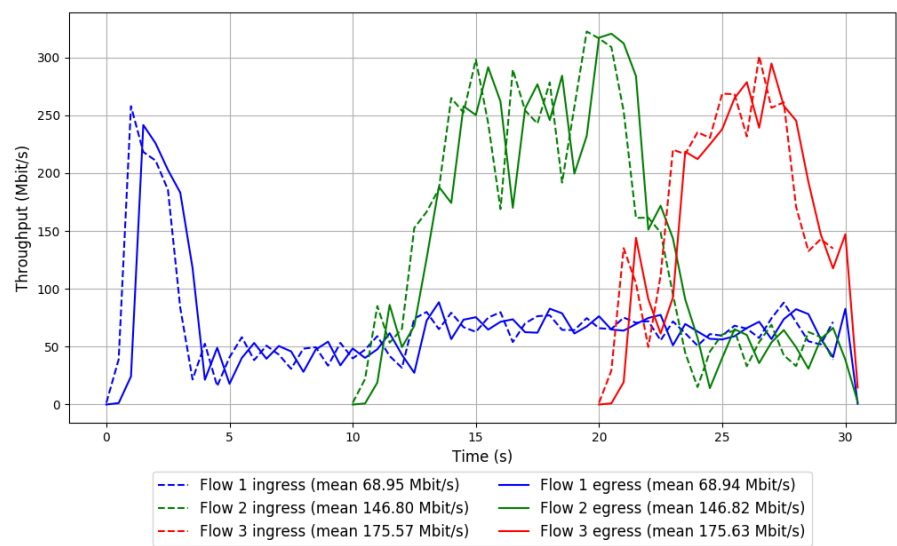
-- Flow 3:

Average throughput: 175.63 Mbit/s

95th percentile per-packet one-way delay: 56.997 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link

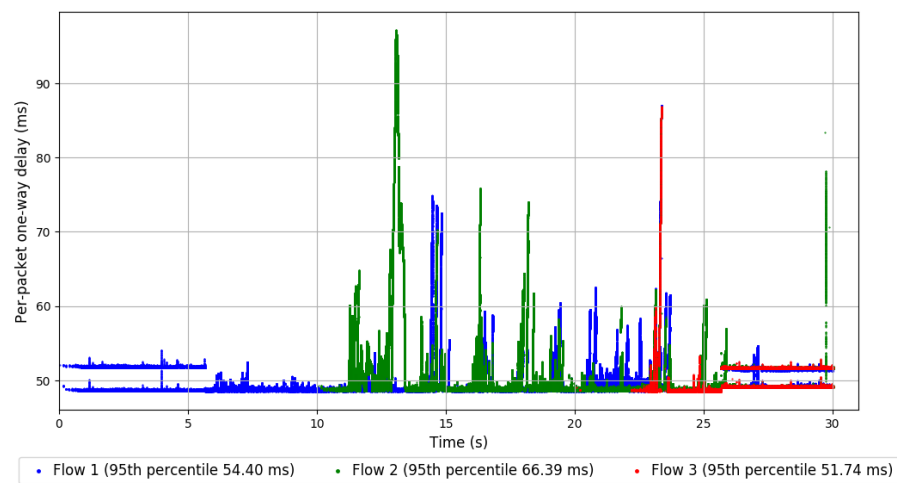
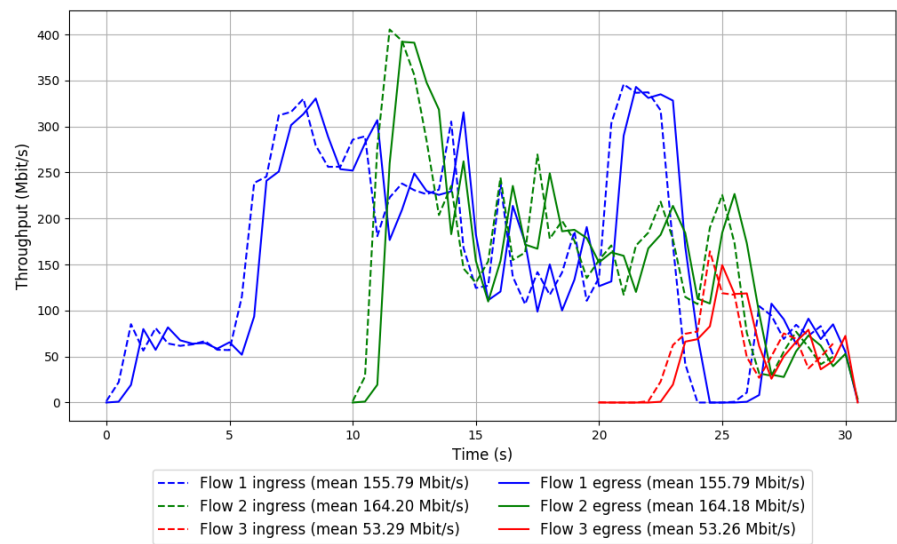


Run 3: Statistics of Copa

Start at: 2018-07-05 19:18:43
End at: 2018-07-05 19:19:13
Local clock offset: 0.04 ms
Remote clock offset: -1.431 ms

Below is generated by plot.py at 2018-07-05 23:07:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.75 Mbit/s
95th percentile per-packet one-way delay: 58.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.79 Mbit/s
95th percentile per-packet one-way delay: 54.401 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.18 Mbit/s
95th percentile per-packet one-way delay: 66.388 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 51.736 ms
Loss rate: 0.02%

Run 3: Report of Copa — Data Link

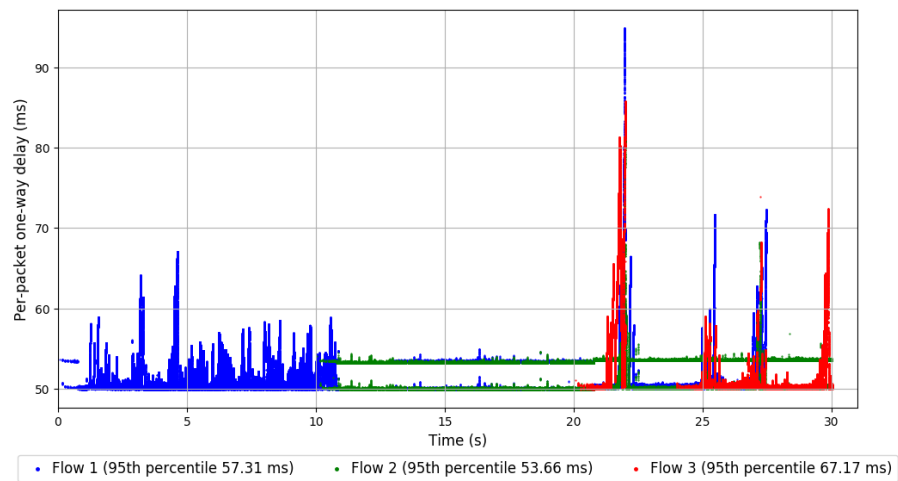
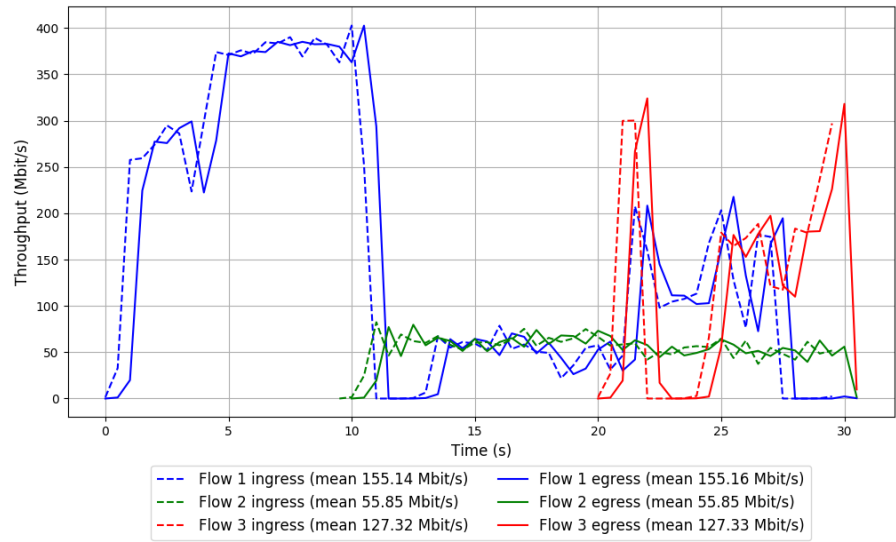


Run 4: Statistics of Copa

Start at: 2018-07-05 19:43:28
End at: 2018-07-05 19:43:58
Local clock offset: 0.041 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-05 23:07:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 234.62 Mbit/s
95th percentile per-packet one-way delay: 58.320 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 155.16 Mbit/s
95th percentile per-packet one-way delay: 57.310 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 53.656 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.33 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-05 20:08:17

End at: 2018-07-05 20:08:47

Local clock offset: -0.036 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-05 23:07:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.41 Mbit/s

95th percentile per-packet one-way delay: 61.300 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.06 Mbit/s

95th percentile per-packet one-way delay: 53.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 0.00%

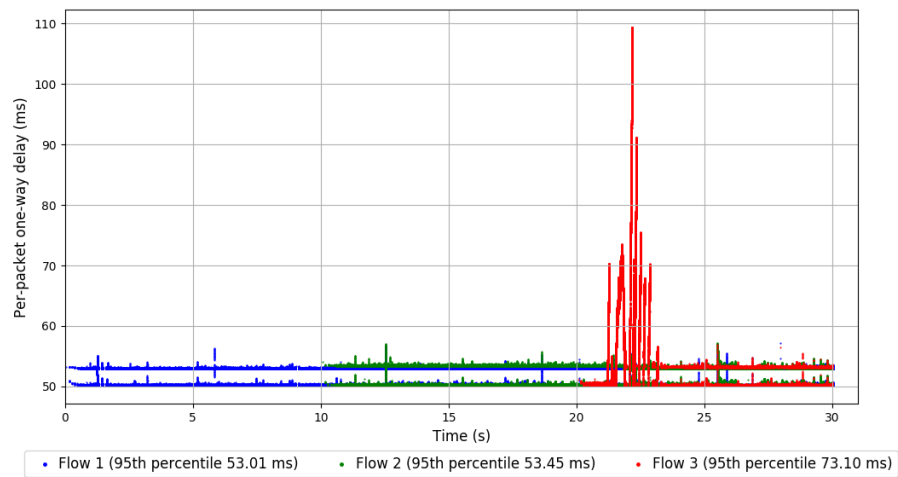
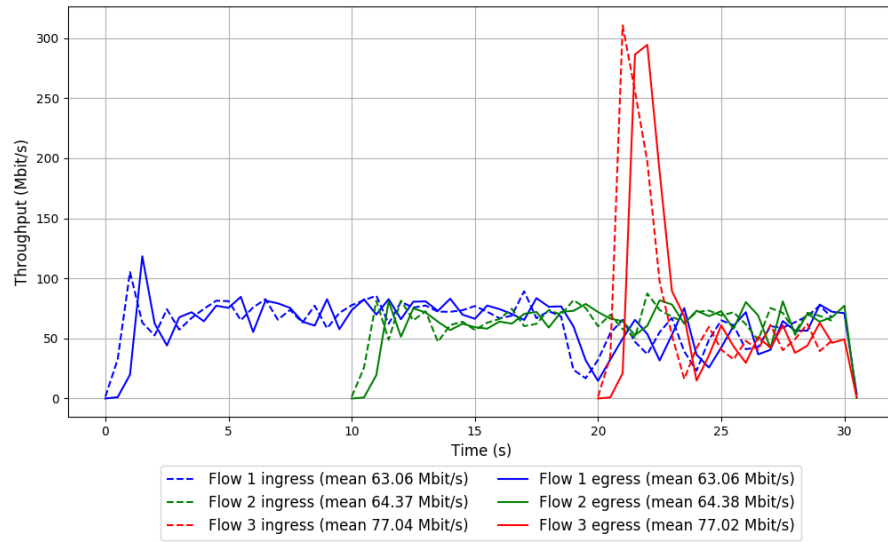
-- Flow 3:

Average throughput: 77.02 Mbit/s

95th percentile per-packet one-way delay: 73.097 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-05 20:33:31

End at: 2018-07-05 20:34:01

Local clock offset: -0.047 ms

Remote clock offset: 1.425 ms

Below is generated by plot.py at 2018-07-05 23:08:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.40 Mbit/s

95th percentile per-packet one-way delay: 56.484 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 182.39 Mbit/s

95th percentile per-packet one-way delay: 55.402 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 160.87 Mbit/s

95th percentile per-packet one-way delay: 58.332 ms

Loss rate: 0.00%

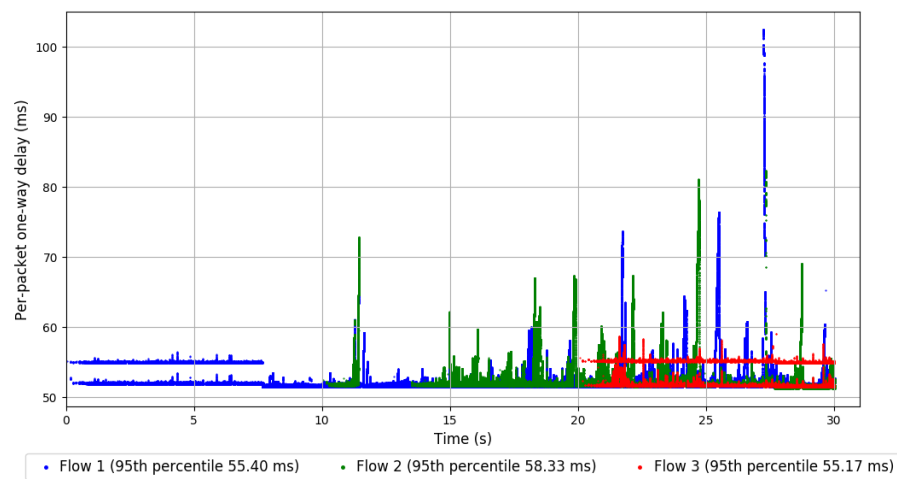
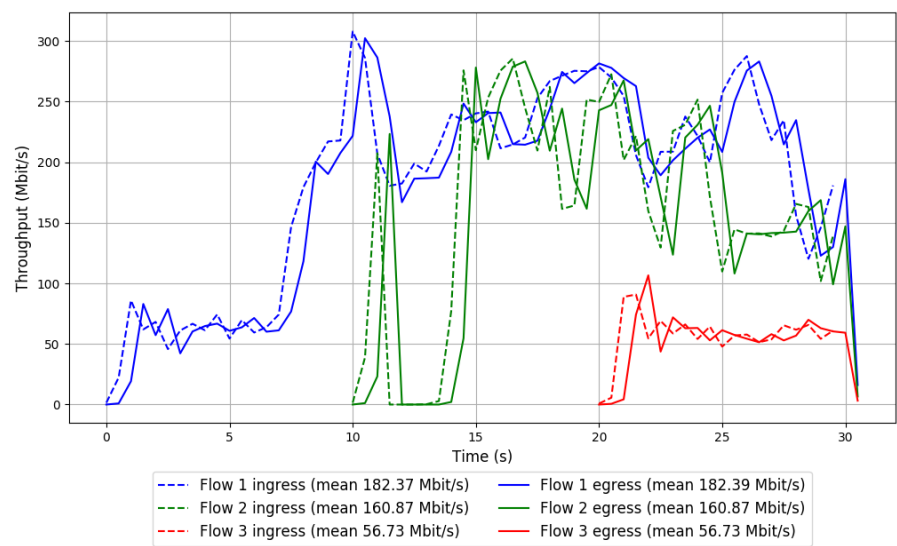
-- Flow 3:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 55.173 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-07-05 20:58:40

End at: 2018-07-05 20:59:10

Local clock offset: -0.052 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-07-05 23:09:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 220.58 Mbit/s

95th percentile per-packet one-way delay: 61.286 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 53.387 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 168.79 Mbit/s

95th percentile per-packet one-way delay: 61.685 ms

Loss rate: 0.00%

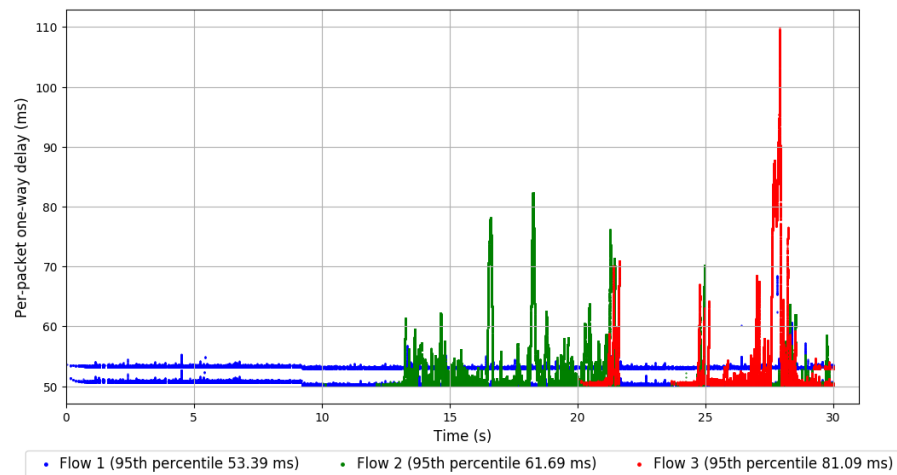
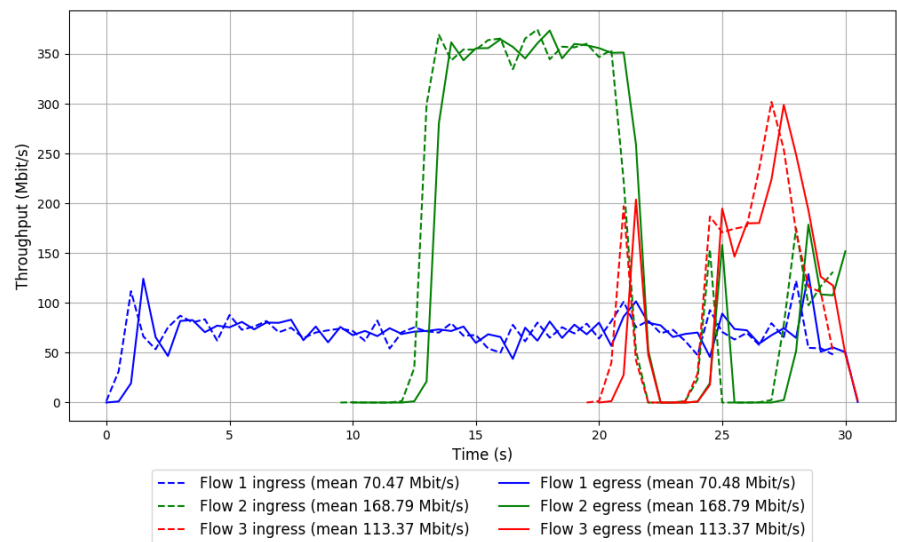
-- Flow 3:

Average throughput: 113.37 Mbit/s

95th percentile per-packet one-way delay: 81.092 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-05 21:23:27

End at: 2018-07-05 21:23:57

Local clock offset: 0.122 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-05 23:10:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 202.14 Mbit/s

95th percentile per-packet one-way delay: 61.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 55.436 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.78 Mbit/s

95th percentile per-packet one-way delay: 56.346 ms

Loss rate: 0.00%

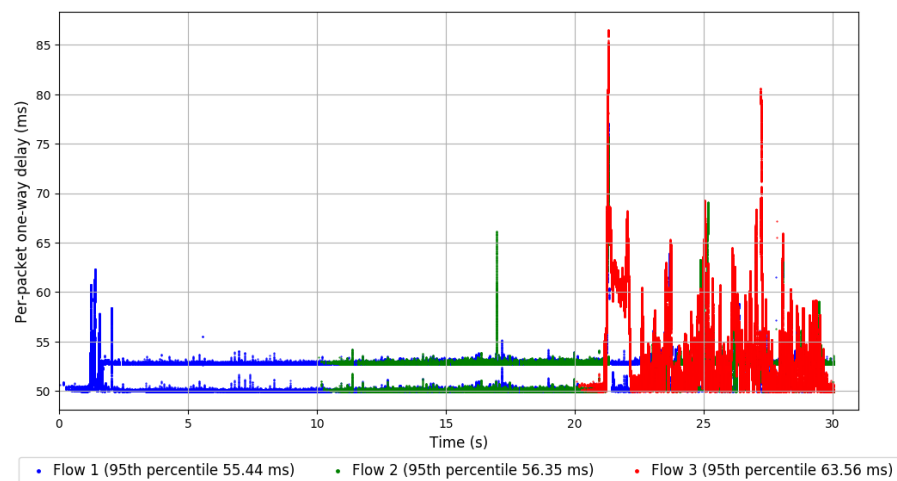
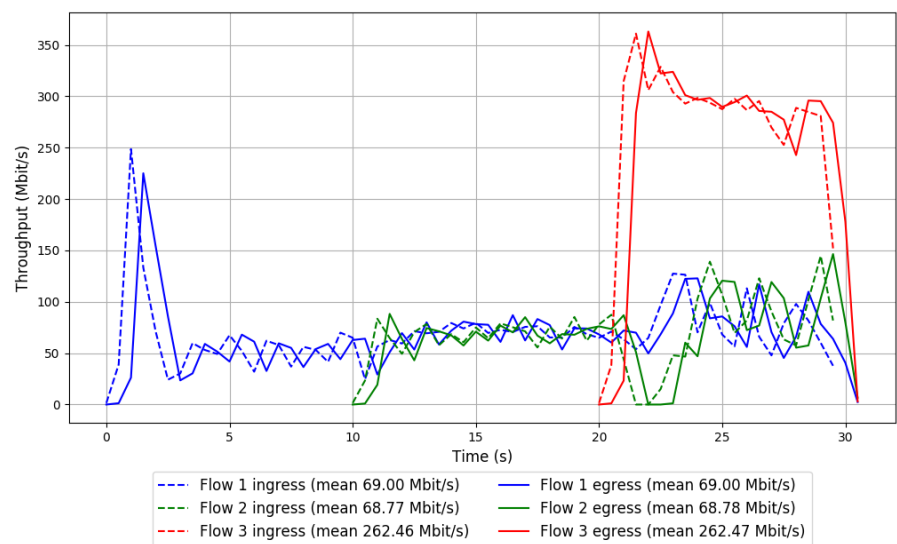
-- Flow 3:

Average throughput: 262.47 Mbit/s

95th percentile per-packet one-way delay: 63.565 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

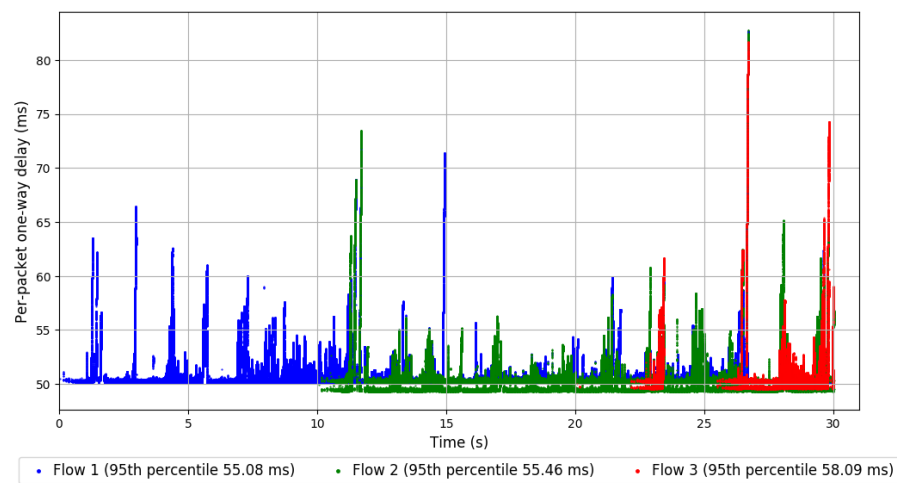
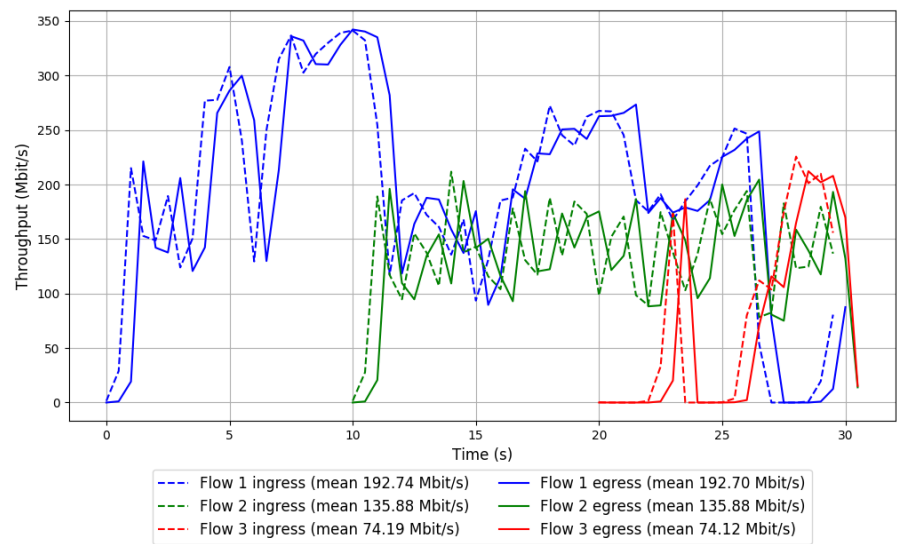


Run 9: Statistics of Copa

Start at: 2018-07-05 21:48:07
End at: 2018-07-05 21:48:37
Local clock offset: 0.119 ms
Remote clock offset: -0.349 ms

Below is generated by plot.py at 2018-07-05 23:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 307.57 Mbit/s
95th percentile per-packet one-way delay: 55.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.70 Mbit/s
95th percentile per-packet one-way delay: 55.078 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 135.88 Mbit/s
95th percentile per-packet one-way delay: 55.460 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 74.12 Mbit/s
95th percentile per-packet one-way delay: 58.093 ms
Loss rate: 0.02%

Run 9: Report of Copa — Data Link

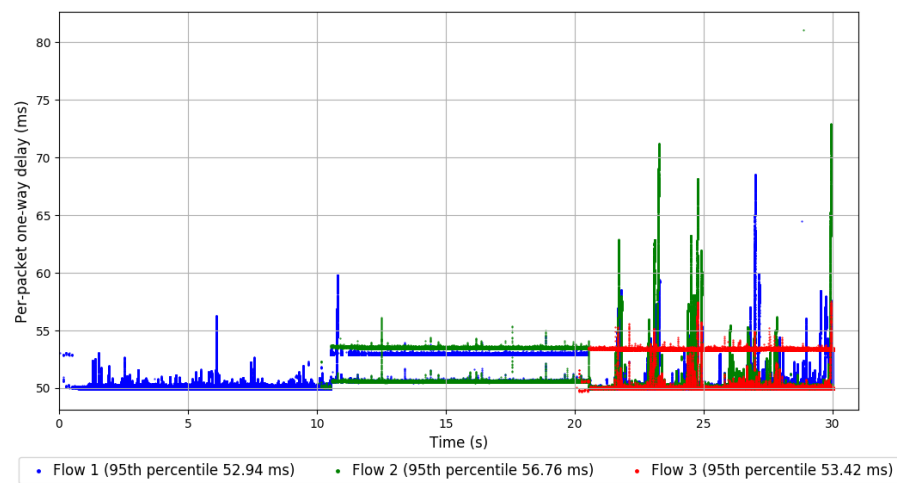
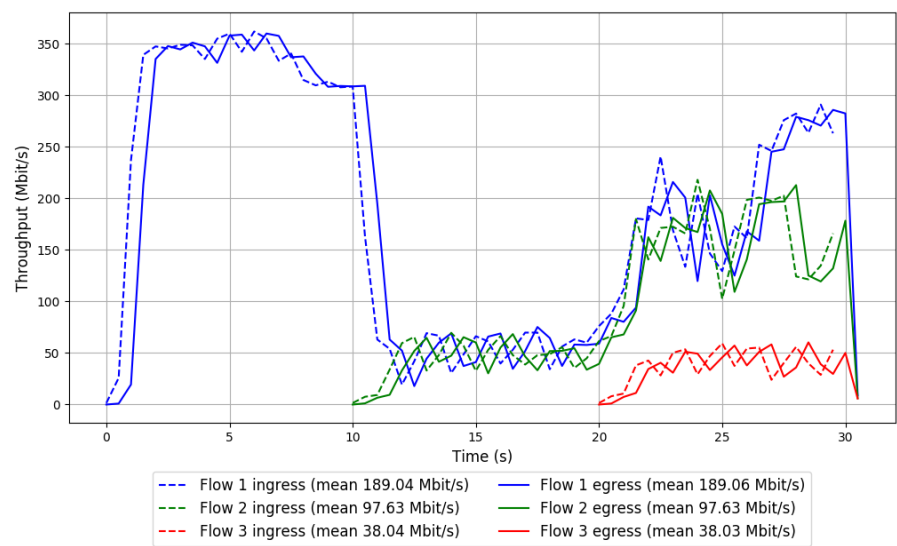


Run 10: Statistics of Copa

Start at: 2018-07-05 22:13:18
End at: 2018-07-05 22:13:48
Local clock offset: 0.048 ms
Remote clock offset: -0.135 ms

Below is generated by plot.py at 2018-07-05 23:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 266.58 Mbit/s
95th percentile per-packet one-way delay: 53.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.06 Mbit/s
95th percentile per-packet one-way delay: 52.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 97.63 Mbit/s
95th percentile per-packet one-way delay: 56.763 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 53.424 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-05 18:35:06

End at: 2018-07-05 18:35:36

Local clock offset: 0.107 ms

Remote clock offset: 0.089 ms

Below is generated by plot.py at 2018-07-05 23:15:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 264.96 Mbit/s

95th percentile per-packet one-way delay: 57.022 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 164.77 Mbit/s

95th percentile per-packet one-way delay: 56.309 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 147.97 Mbit/s

95th percentile per-packet one-way delay: 57.445 ms

Loss rate: 0.00%

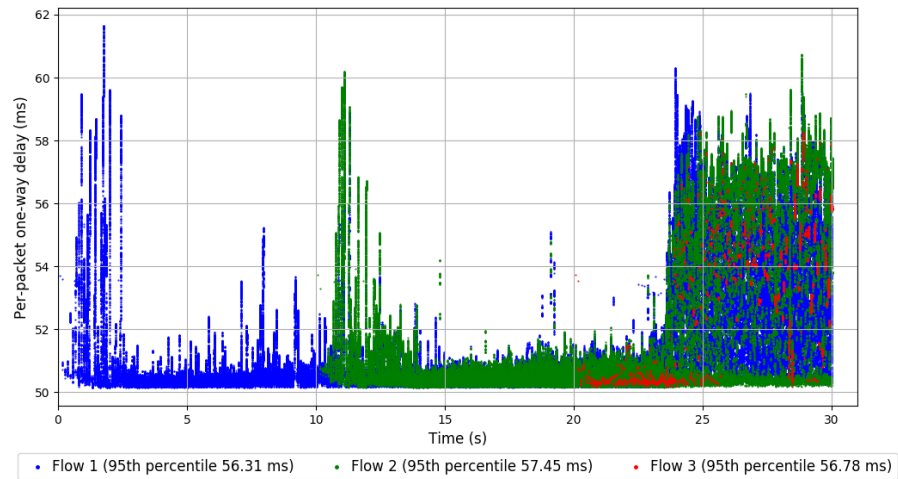
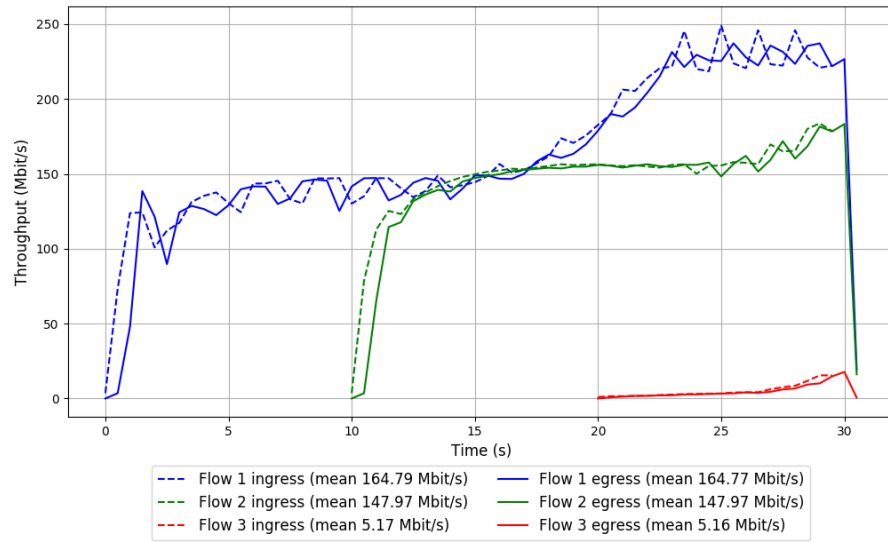
-- Flow 3:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 56.780 ms

Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: 2018-07-05 18:59:37

End at: 2018-07-05 19:00:07

Local clock offset: -0.079 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-07-05 23:15:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 271.68 Mbit/s

95th percentile per-packet one-way delay: 53.243 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 159.87 Mbit/s

95th percentile per-packet one-way delay: 53.354 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.63 Mbit/s

95th percentile per-packet one-way delay: 52.649 ms

Loss rate: 0.00%

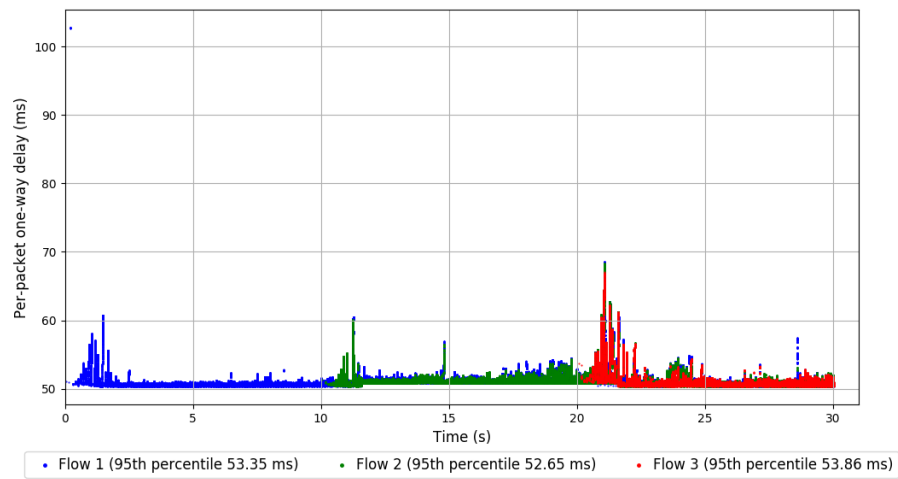
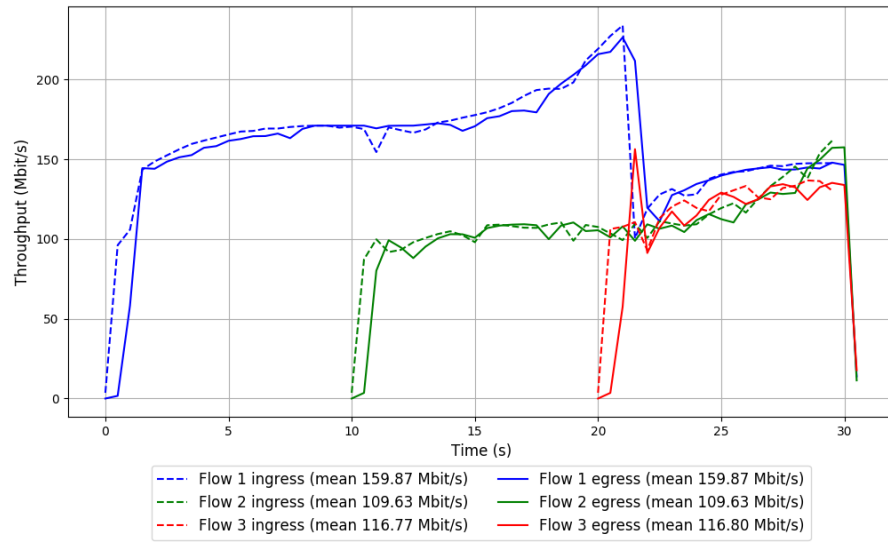
-- Flow 3:

Average throughput: 116.80 Mbit/s

95th percentile per-packet one-way delay: 53.860 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

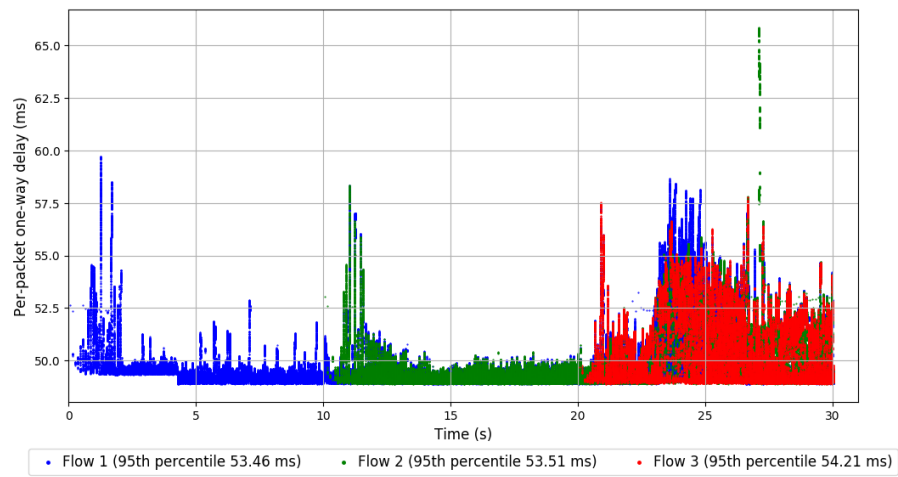
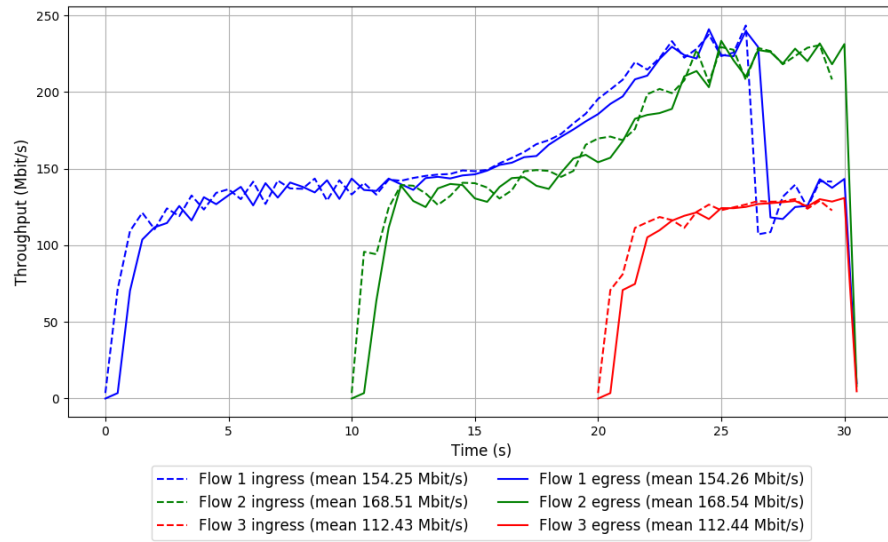


Run 3: Statistics of TCP Cubic

Start at: 2018-07-05 19:24:55
End at: 2018-07-05 19:25:25
Local clock offset: -0.154 ms
Remote clock offset: -1.326 ms

Below is generated by plot.py at 2018-07-05 23:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 303.98 Mbit/s
95th percentile per-packet one-way delay: 53.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.26 Mbit/s
95th percentile per-packet one-way delay: 53.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 168.54 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.44 Mbit/s
95th percentile per-packet one-way delay: 54.210 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

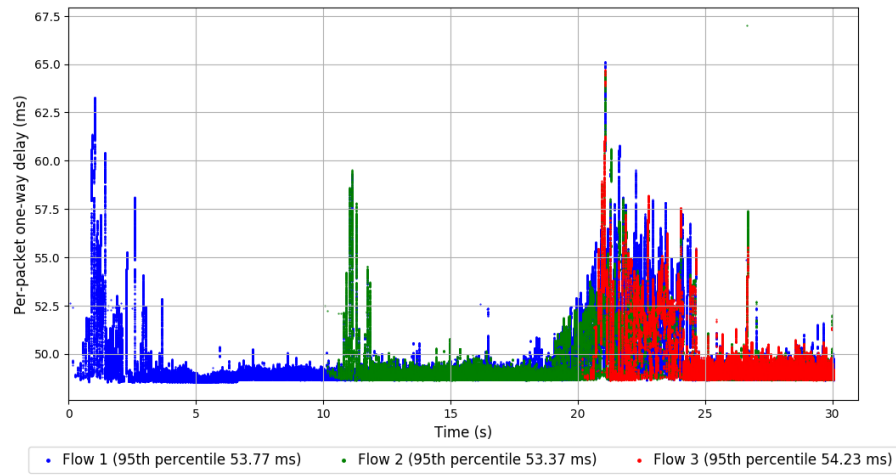
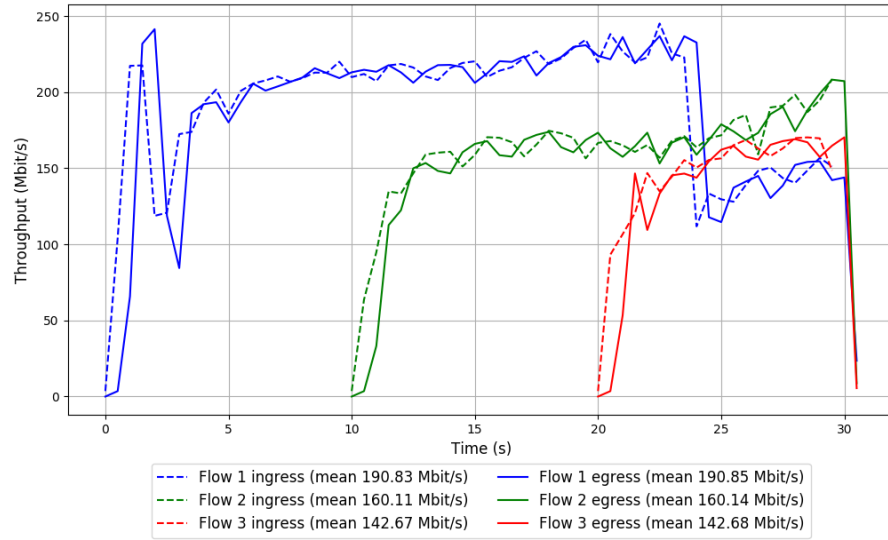


Run 4: Statistics of TCP Cubic

Start at: 2018-07-05 19:49:32
End at: 2018-07-05 19:50:02
Local clock offset: 0.212 ms
Remote clock offset: -1.287 ms

Below is generated by plot.py at 2018-07-05 23:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 344.89 Mbit/s
95th percentile per-packet one-way delay: 53.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 190.85 Mbit/s
95th percentile per-packet one-way delay: 53.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 160.14 Mbit/s
95th percentile per-packet one-way delay: 53.366 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 142.68 Mbit/s
95th percentile per-packet one-way delay: 54.233 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link

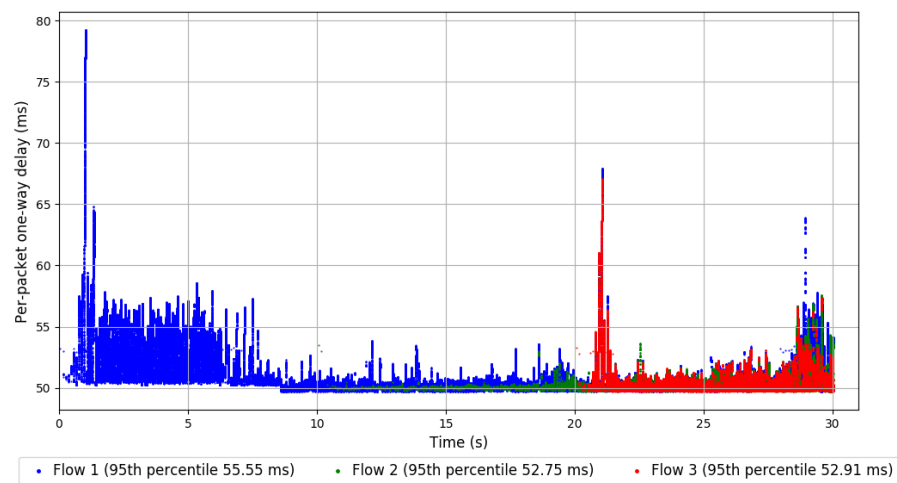
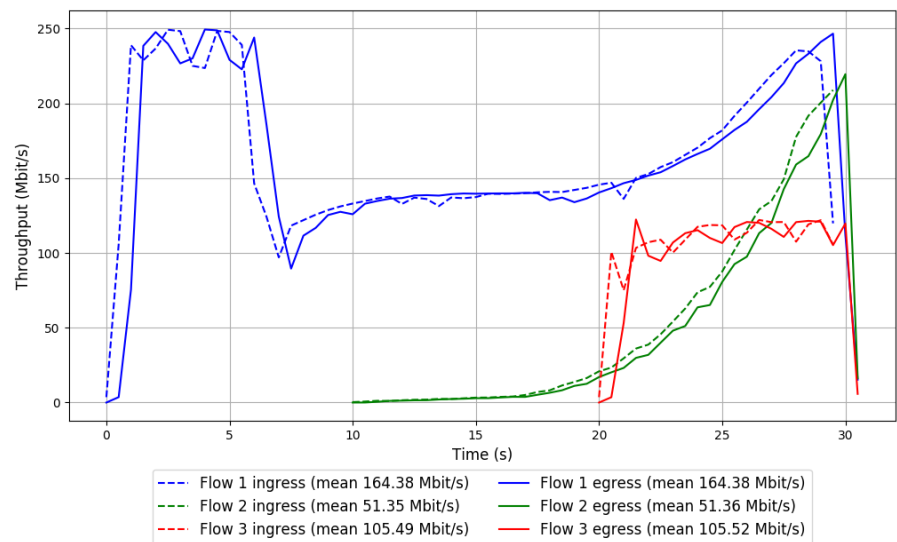


Run 5: Statistics of TCP Cubic

Start at: 2018-07-05 20:14:10
End at: 2018-07-05 20:14:40
Local clock offset: 0.094 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-05 23:15:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.63 Mbit/s
95th percentile per-packet one-way delay: 55.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 164.38 Mbit/s
95th percentile per-packet one-way delay: 55.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.36 Mbit/s
95th percentile per-packet one-way delay: 52.748 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 105.52 Mbit/s
95th percentile per-packet one-way delay: 52.915 ms
Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-05 20:39:41

End at: 2018-07-05 20:40:11

Local clock offset: -0.103 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-05 23:15:02

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.17 Mbit/s

95th percentile per-packet one-way delay: 54.126 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 141.66 Mbit/s

95th percentile per-packet one-way delay: 54.441 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 52.781 ms

Loss rate: 0.00%

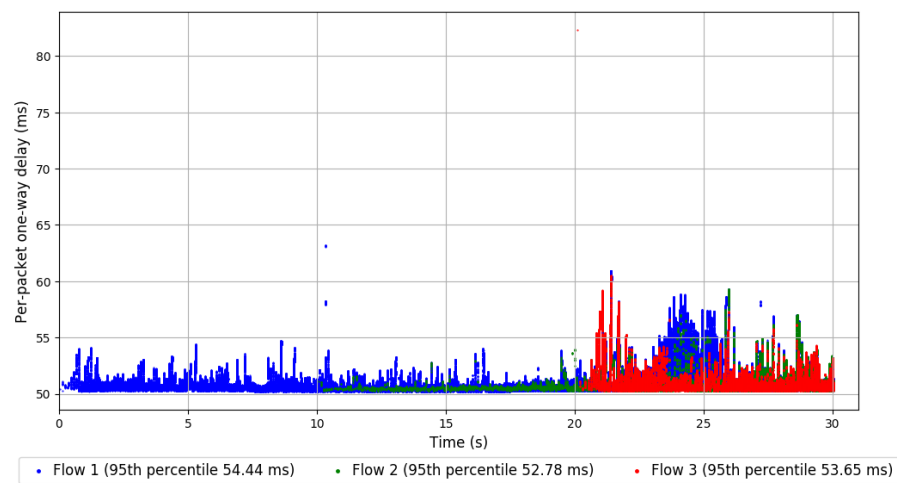
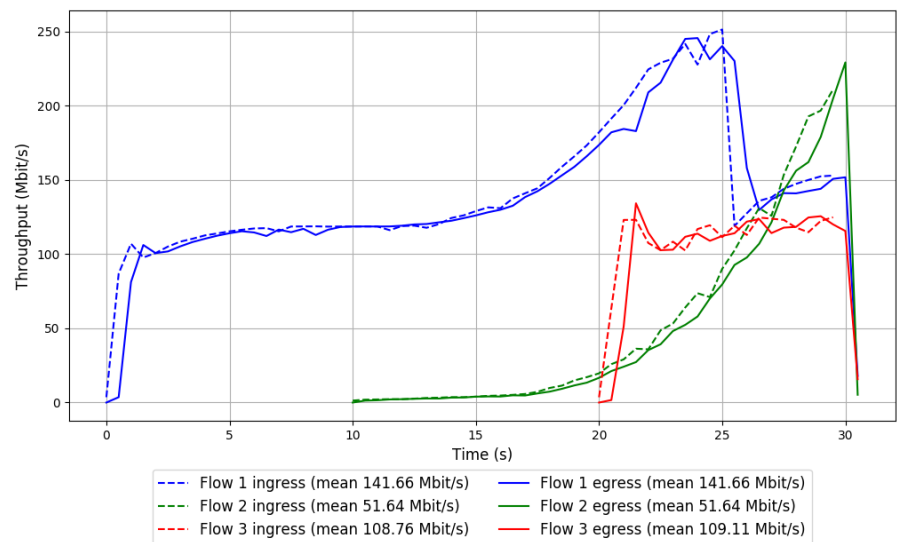
-- Flow 3:

Average throughput: 109.11 Mbit/s

95th percentile per-packet one-way delay: 53.647 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-07-05 21:04:35

End at: 2018-07-05 21:05:05

Local clock offset: -0.247 ms

Remote clock offset: -0.3 ms

Below is generated by plot.py at 2018-07-05 23:15:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.42 Mbit/s

95th percentile per-packet one-way delay: 52.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 122.95 Mbit/s

95th percentile per-packet one-way delay: 52.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 150.48 Mbit/s

95th percentile per-packet one-way delay: 51.804 ms

Loss rate: 0.00%

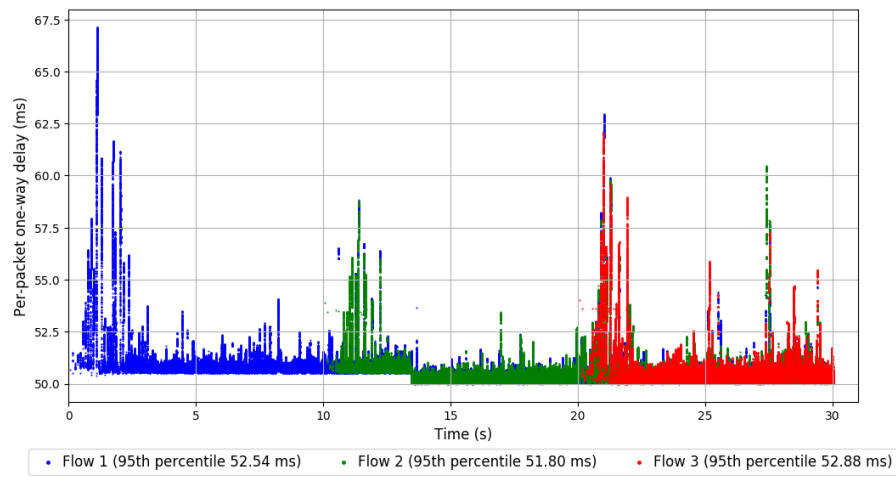
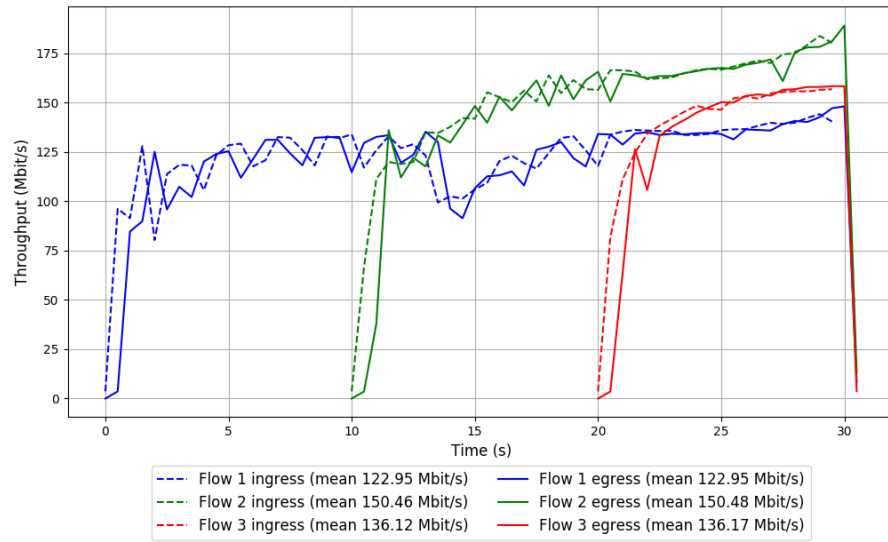
-- Flow 3:

Average throughput: 136.17 Mbit/s

95th percentile per-packet one-way delay: 52.884 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-07-05 21:29:27

End at: 2018-07-05 21:29:57

Local clock offset: 0.107 ms

Remote clock offset: 1.287 ms

Below is generated by plot.py at 2018-07-05 23:15:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 269.64 Mbit/s

95th percentile per-packet one-way delay: 53.494 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 159.87 Mbit/s

95th percentile per-packet one-way delay: 53.603 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.19 Mbit/s

95th percentile per-packet one-way delay: 53.018 ms

Loss rate: 0.00%

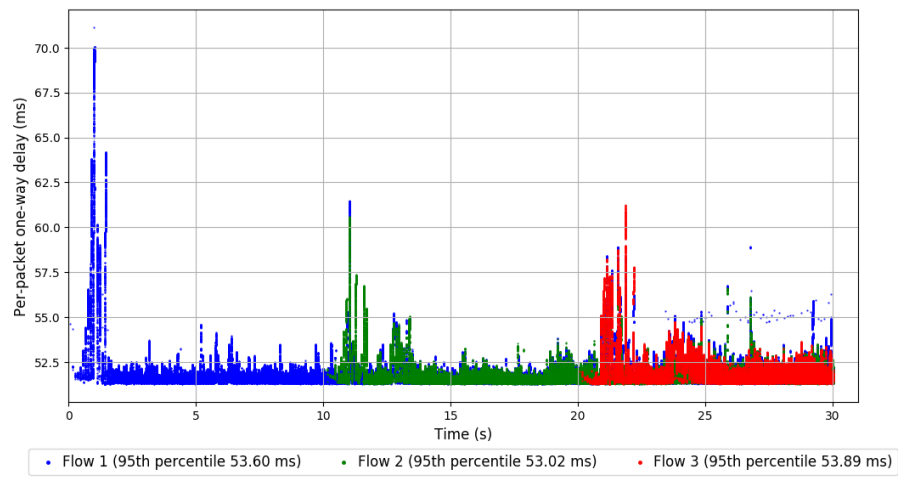
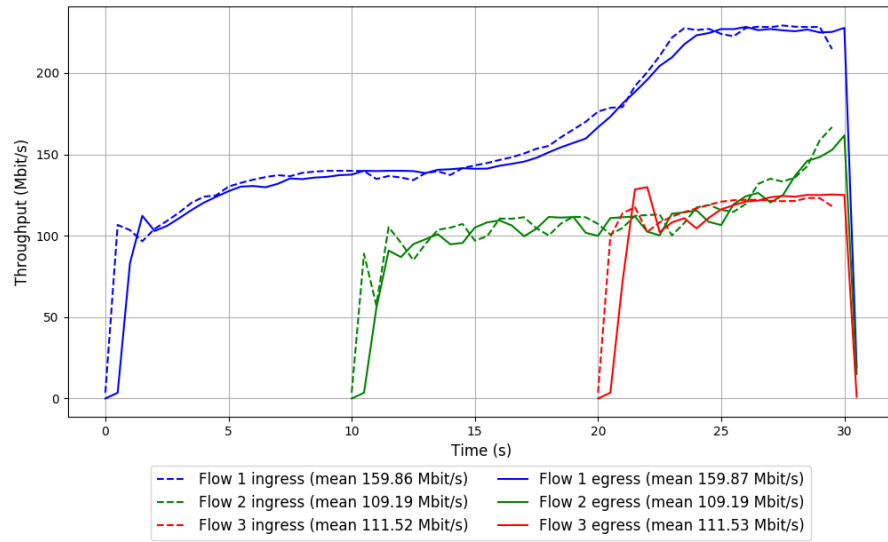
-- Flow 3:

Average throughput: 111.53 Mbit/s

95th percentile per-packet one-way delay: 53.887 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-05 21:54:17

End at: 2018-07-05 21:54:47

Local clock offset: -0.032 ms

Remote clock offset: 1.24 ms

Below is generated by plot.py at 2018-07-05 23:17:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 308.52 Mbit/s

95th percentile per-packet one-way delay: 58.063 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 165.34 Mbit/s

95th percentile per-packet one-way delay: 57.933 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 150.13 Mbit/s

95th percentile per-packet one-way delay: 58.286 ms

Loss rate: 0.00%

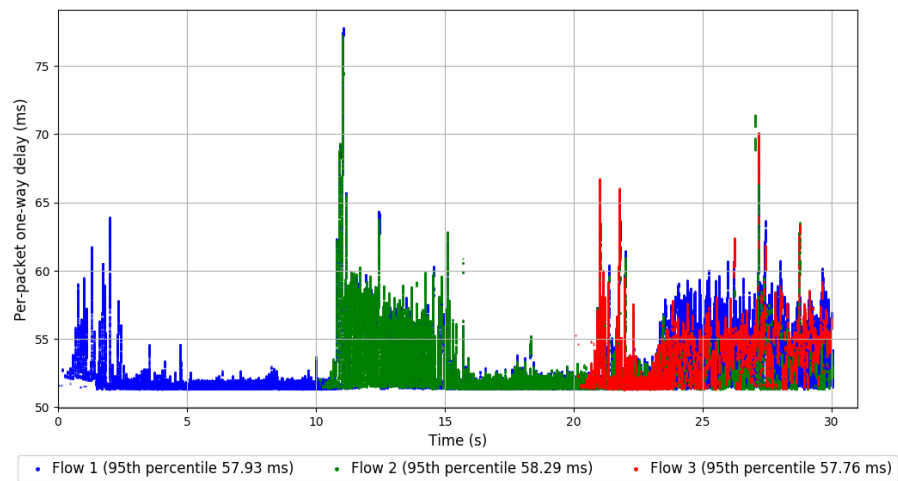
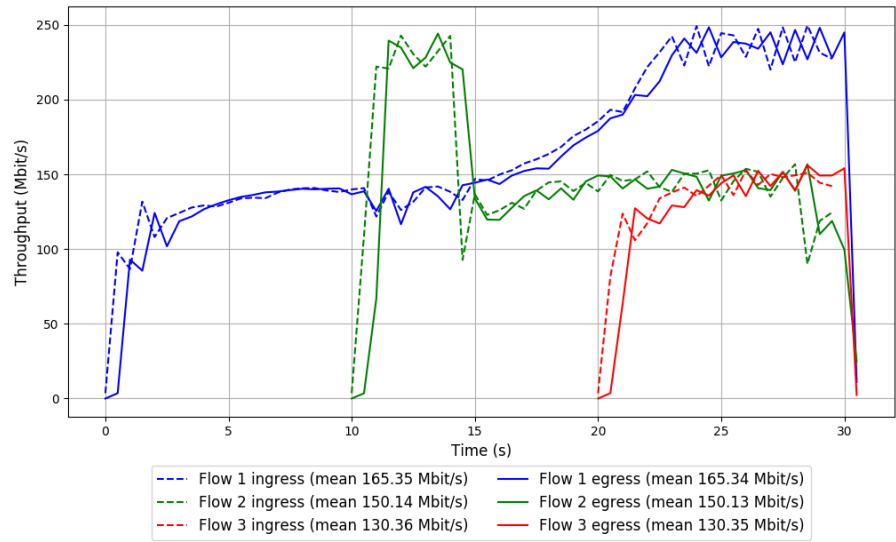
-- Flow 3:

Average throughput: 130.35 Mbit/s

95th percentile per-packet one-way delay: 57.759 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-05 22:19:29

End at: 2018-07-05 22:19:59

Local clock offset: -0.02 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-05 23:17:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 255.02 Mbit/s

95th percentile per-packet one-way delay: 53.696 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 158.60 Mbit/s

95th percentile per-packet one-way delay: 54.084 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 142.21 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 0.00%

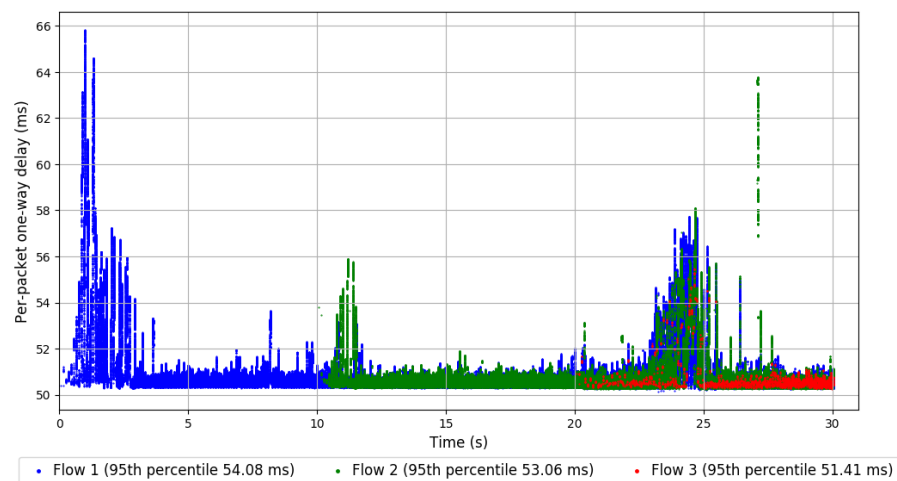
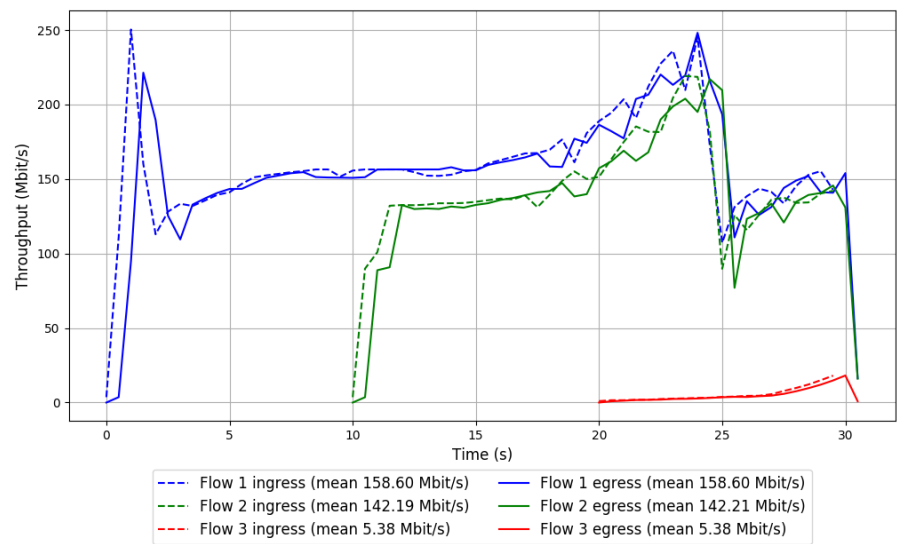
-- Flow 3:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 51.415 ms

Loss rate: 0.11%

Run 10: Report of TCP Cubic — Data Link

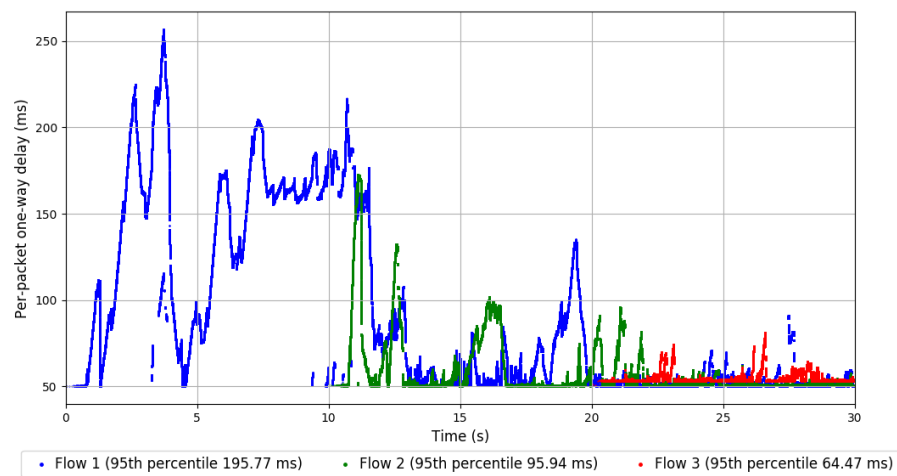
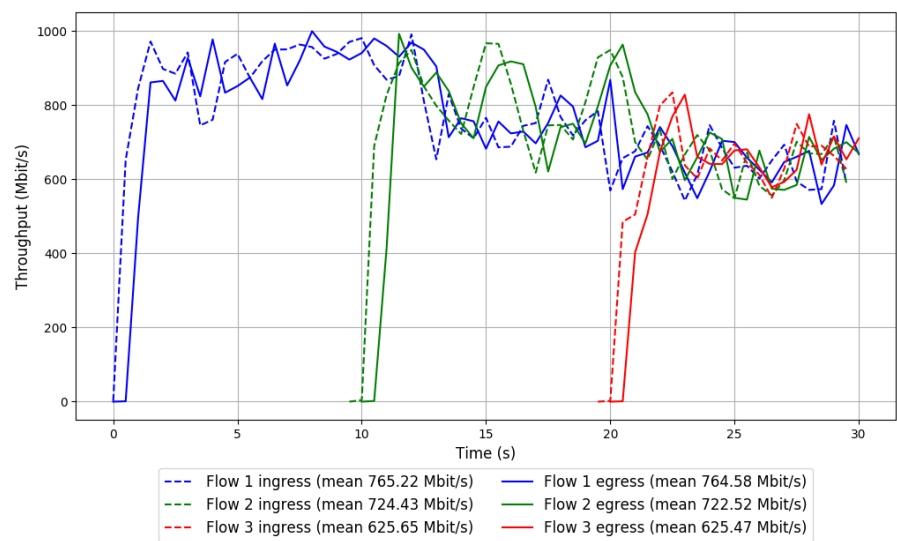


Run 1: Statistics of FillP

Start at: 2018-07-05 18:32:59
End at: 2018-07-05 18:33:29
Local clock offset: -0.268 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-05 23:44:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1453.92 Mbit/s
95th percentile per-packet one-way delay: 177.503 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 764.58 Mbit/s
95th percentile per-packet one-way delay: 195.773 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 722.52 Mbit/s
95th percentile per-packet one-way delay: 95.938 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 625.47 Mbit/s
95th percentile per-packet one-way delay: 64.468 ms
Loss rate: 0.02%

Run 1: Report of FillP — Data Link

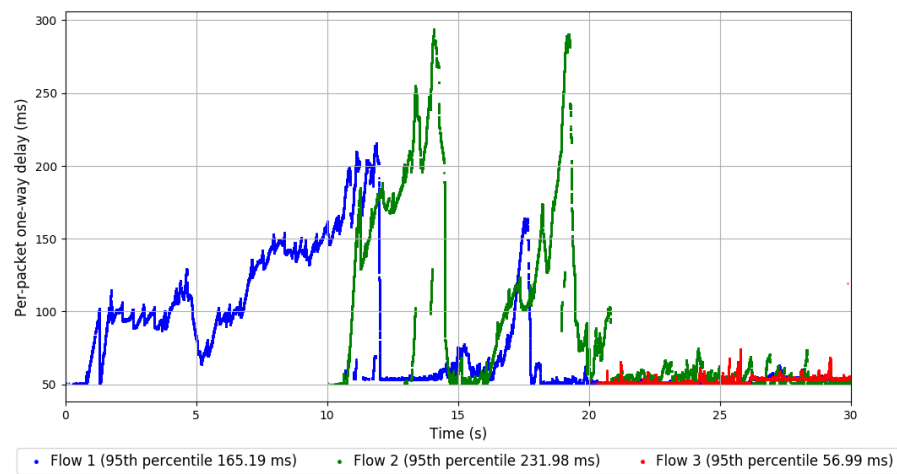
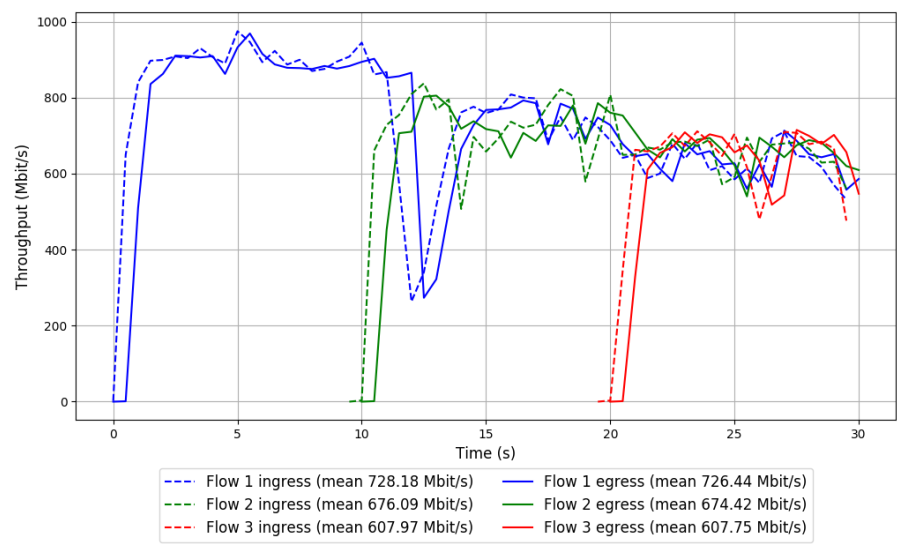


Run 2: Statistics of FillP

Start at: 2018-07-05 18:57:33
End at: 2018-07-05 18:58:03
Local clock offset: -0.225 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-05 23:44:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1377.41 Mbit/s
95th percentile per-packet one-way delay: 191.619 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 726.44 Mbit/s
95th percentile per-packet one-way delay: 165.185 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 674.42 Mbit/s
95th percentile per-packet one-way delay: 231.976 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 607.75 Mbit/s
95th percentile per-packet one-way delay: 56.990 ms
Loss rate: 0.00%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-05 19:22:47

End at: 2018-07-05 19:23:17

Local clock offset: -0.048 ms

Remote clock offset: 1.236 ms

Below is generated by plot.py at 2018-07-05 23:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1443.64 Mbit/s

95th percentile per-packet one-way delay: 126.612 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 769.32 Mbit/s

95th percentile per-packet one-way delay: 148.254 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 717.07 Mbit/s

95th percentile per-packet one-way delay: 114.598 ms

Loss rate: 0.56%

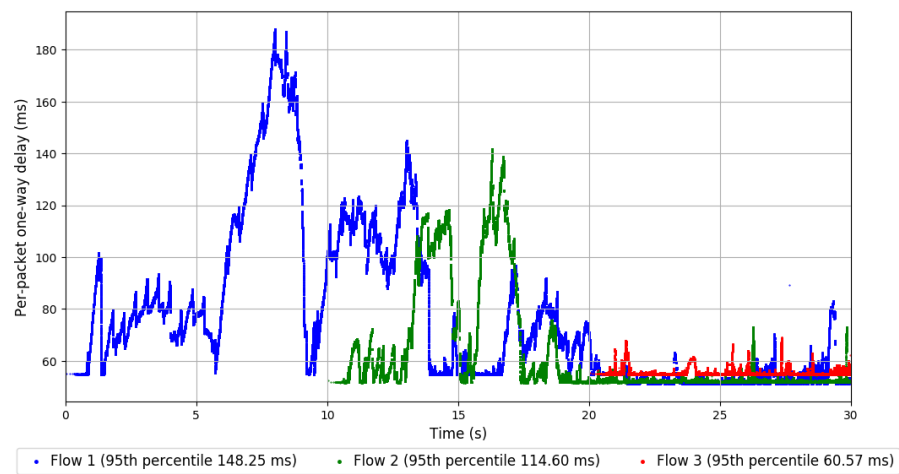
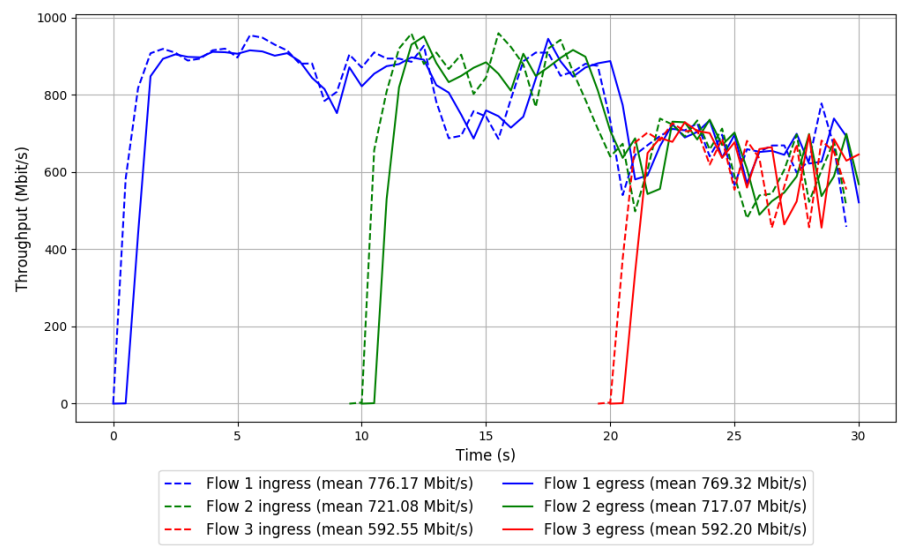
-- Flow 3:

Average throughput: 592.20 Mbit/s

95th percentile per-packet one-way delay: 60.567 ms

Loss rate: 0.00%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-05 19:47:25

End at: 2018-07-05 19:47:55

Local clock offset: 0.006 ms

Remote clock offset: 0.174 ms

Below is generated by plot.py at 2018-07-05 23:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1423.47 Mbit/s

95th percentile per-packet one-way delay: 205.508 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 734.96 Mbit/s

95th percentile per-packet one-way delay: 233.272 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 727.53 Mbit/s

95th percentile per-packet one-way delay: 113.126 ms

Loss rate: 0.70%

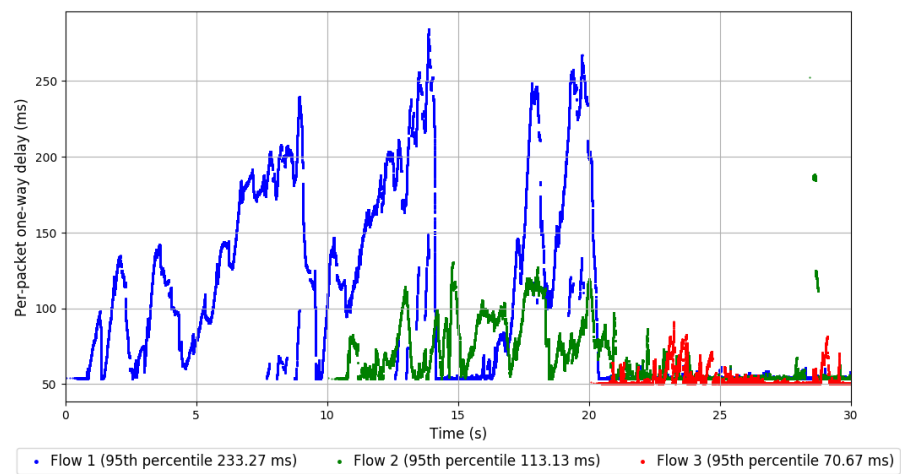
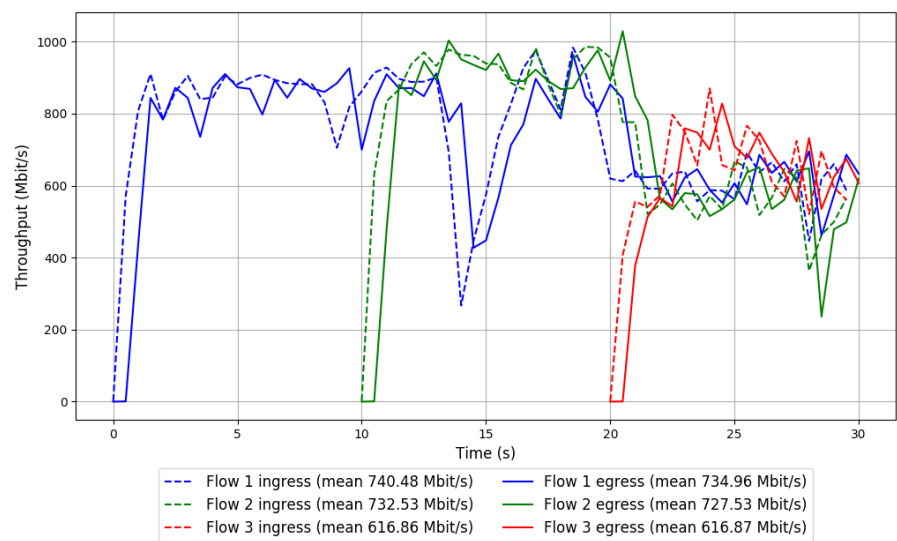
-- Flow 3:

Average throughput: 616.87 Mbit/s

95th percentile per-packet one-way delay: 70.671 ms

Loss rate: 0.00%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-05 20:12:04

End at: 2018-07-05 20:12:34

Local clock offset: -0.091 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-05 23:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1369.84 Mbit/s

95th percentile per-packet one-way delay: 184.833 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 739.47 Mbit/s

95th percentile per-packet one-way delay: 206.476 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 657.88 Mbit/s

95th percentile per-packet one-way delay: 175.190 ms

Loss rate: 1.11%

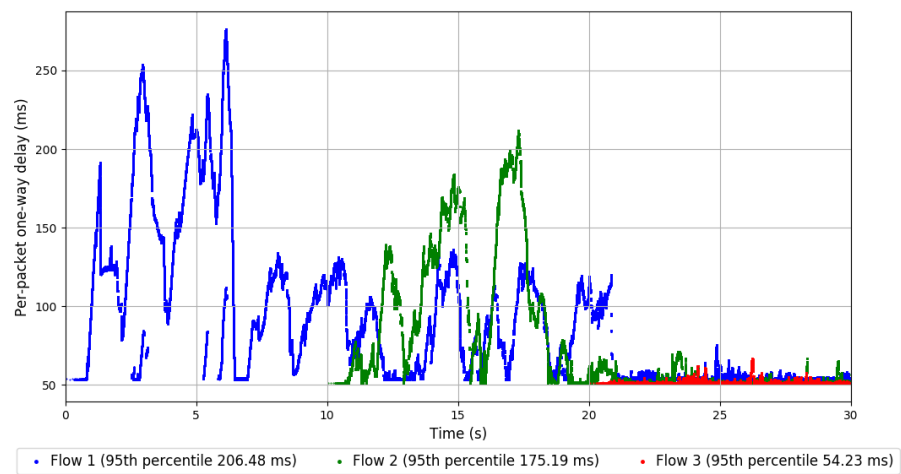
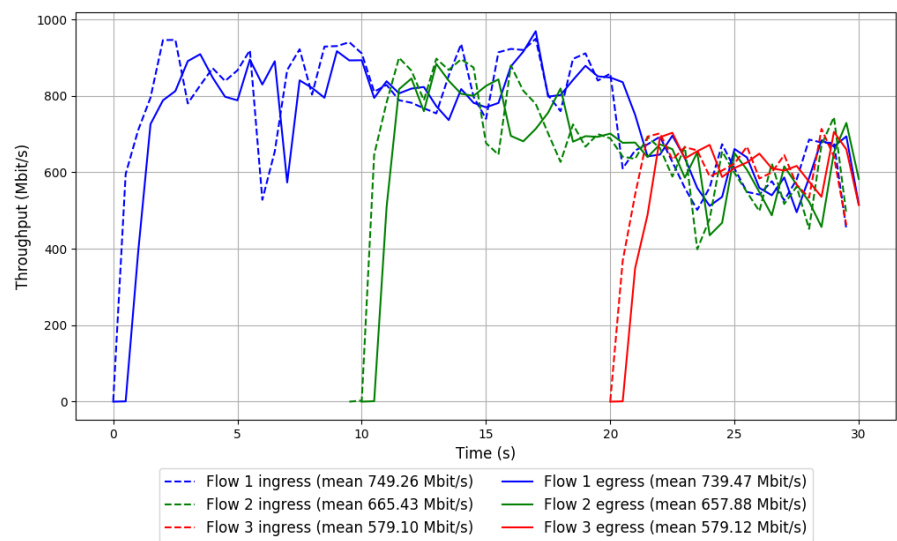
-- Flow 3:

Average throughput: 579.12 Mbit/s

95th percentile per-packet one-way delay: 54.235 ms

Loss rate: 0.00%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-05 20:37:36

End at: 2018-07-05 20:38:06

Local clock offset: -0.214 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-05 23:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1364.25 Mbit/s

95th percentile per-packet one-way delay: 126.040 ms

Loss rate: 1.64%

-- Flow 1:

Average throughput: 717.71 Mbit/s

95th percentile per-packet one-way delay: 131.456 ms

Loss rate: 2.25%

-- Flow 2:

Average throughput: 688.72 Mbit/s

95th percentile per-packet one-way delay: 120.178 ms

Loss rate: 1.36%

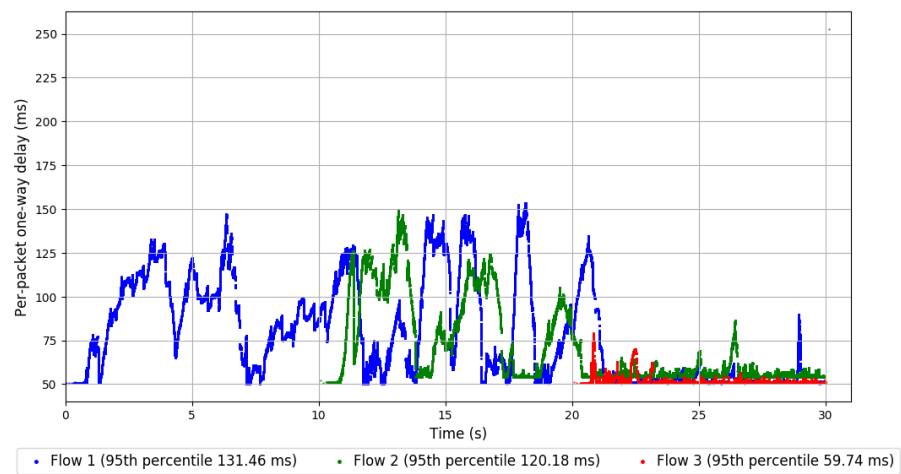
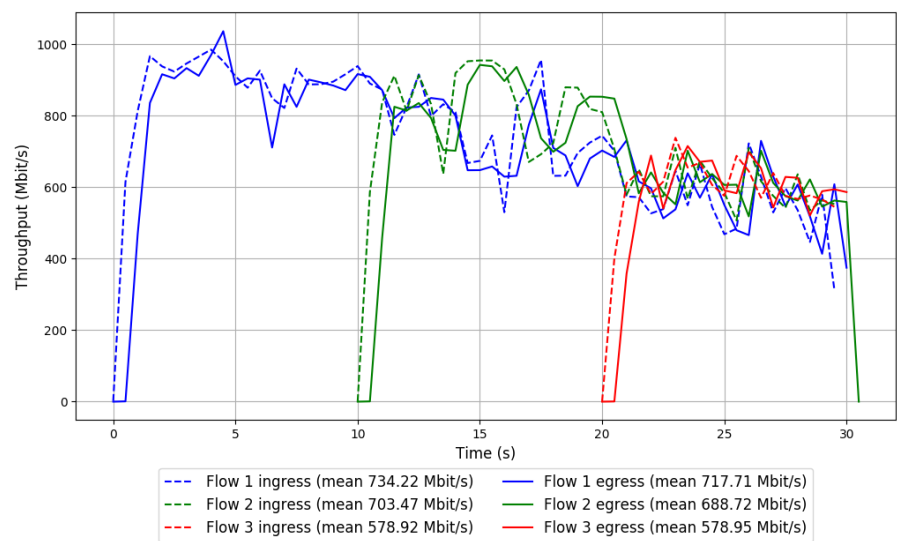
-- Flow 3:

Average throughput: 578.95 Mbit/s

95th percentile per-packet one-way delay: 59.745 ms

Loss rate: 0.00%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-05 21:02:37

End at: 2018-07-05 21:03:07

Local clock offset: 0.075 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-05 23:44:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1203.53 Mbit/s

95th percentile per-packet one-way delay: 192.018 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 658.93 Mbit/s

95th percentile per-packet one-way delay: 193.294 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 492.30 Mbit/s

95th percentile per-packet one-way delay: 194.138 ms

Loss rate: 0.04%

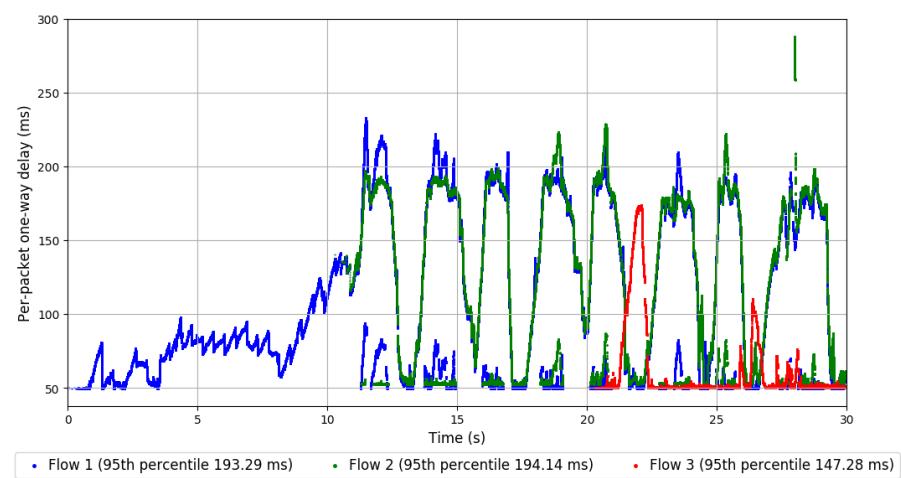
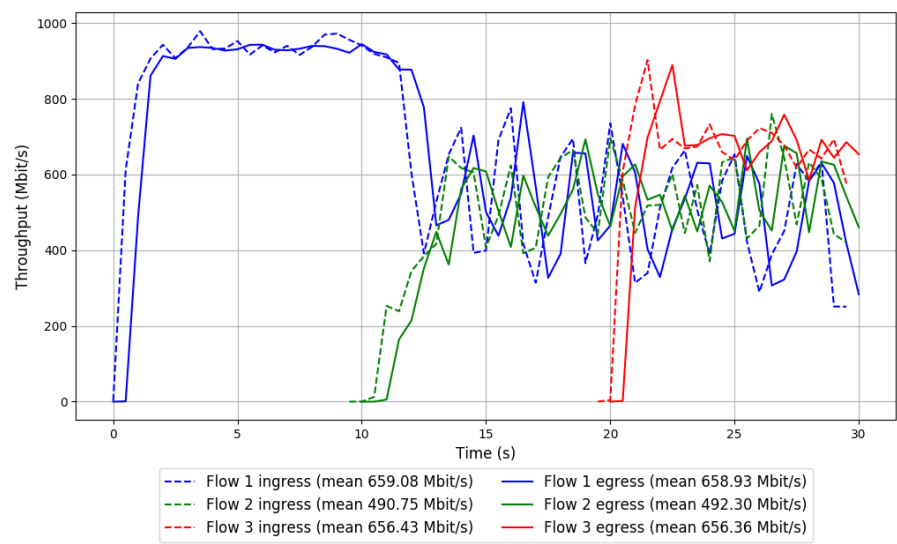
-- Flow 3:

Average throughput: 656.36 Mbit/s

95th percentile per-packet one-way delay: 147.281 ms

Loss rate: 0.02%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-07-05 21:27:22

End at: 2018-07-05 21:27:52

Local clock offset: 0.144 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-05 23:46:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 1336.28 Mbit/s

95th percentile per-packet one-way delay: 235.719 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 737.83 Mbit/s

95th percentile per-packet one-way delay: 195.198 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 708.00 Mbit/s

95th percentile per-packet one-way delay: 271.280 ms

Loss rate: 1.88%

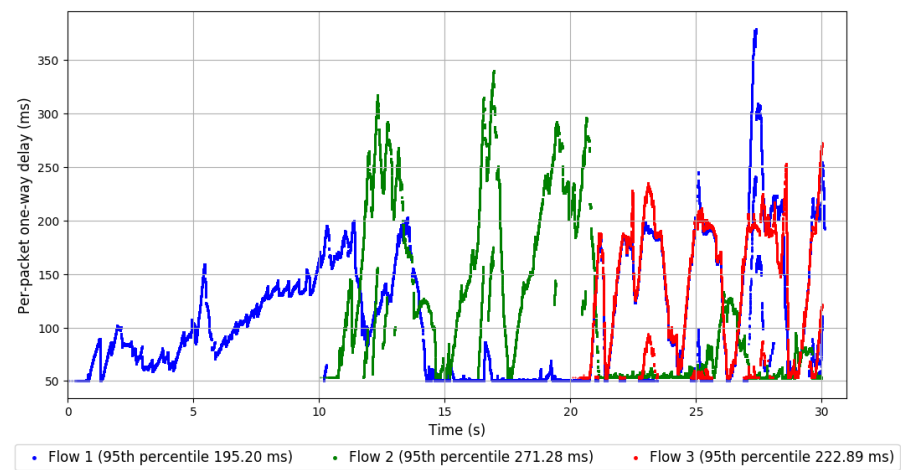
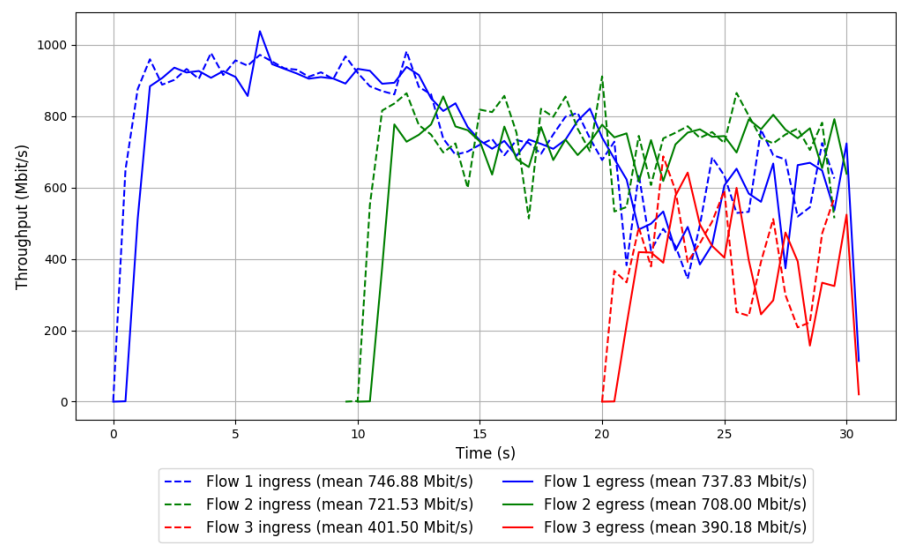
-- Flow 3:

Average throughput: 390.18 Mbit/s

95th percentile per-packet one-way delay: 222.889 ms

Loss rate: 2.50%

Run 8: Report of FillP — Data Link

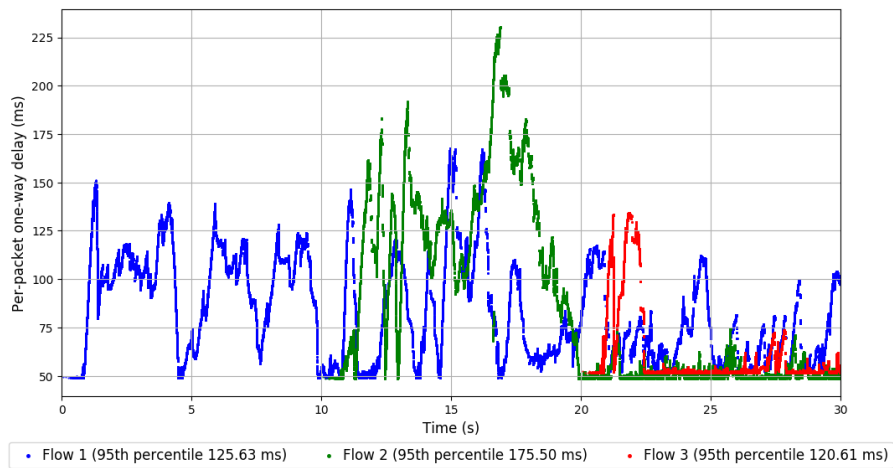
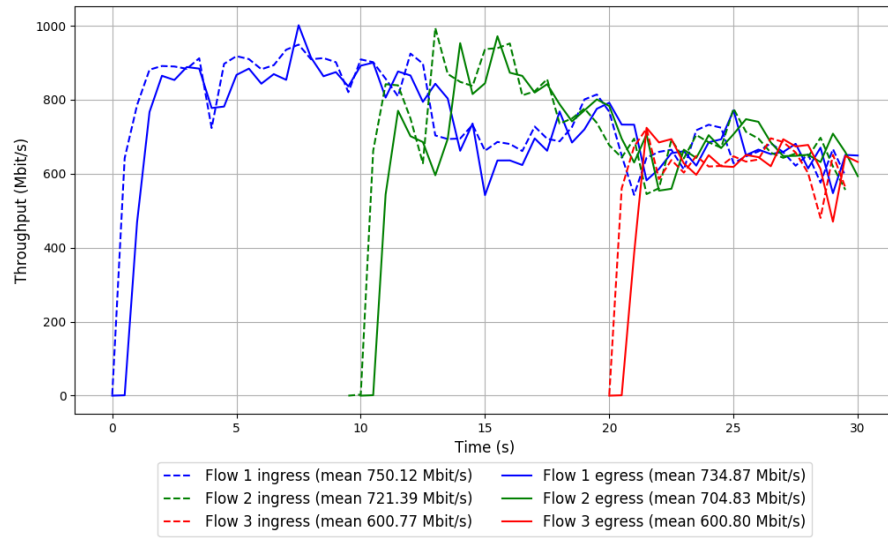


Run 9: Statistics of FillP

Start at: 2018-07-05 21:52:12
End at: 2018-07-05 21:52:42
Local clock offset: -0.071 ms
Remote clock offset: -1.334 ms

Below is generated by plot.py at 2018-07-06 00:11:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1403.50 Mbit/s
95th percentile per-packet one-way delay: 149.845 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 734.87 Mbit/s
95th percentile per-packet one-way delay: 125.634 ms
Loss rate: 2.02%
-- Flow 2:
Average throughput: 704.83 Mbit/s
95th percentile per-packet one-way delay: 175.499 ms
Loss rate: 2.28%
-- Flow 3:
Average throughput: 600.80 Mbit/s
95th percentile per-packet one-way delay: 120.610 ms
Loss rate: 0.00%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-05 22:17:23

End at: 2018-07-05 22:17:53

Local clock offset: -0.107 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-07-06 00:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1402.84 Mbit/s

95th percentile per-packet one-way delay: 199.569 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 747.18 Mbit/s

95th percentile per-packet one-way delay: 208.935 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 688.33 Mbit/s

95th percentile per-packet one-way delay: 156.472 ms

Loss rate: 2.65%

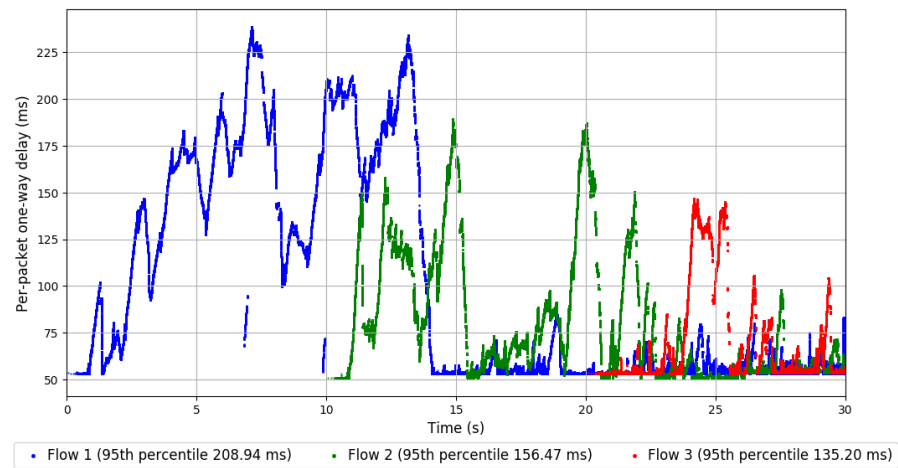
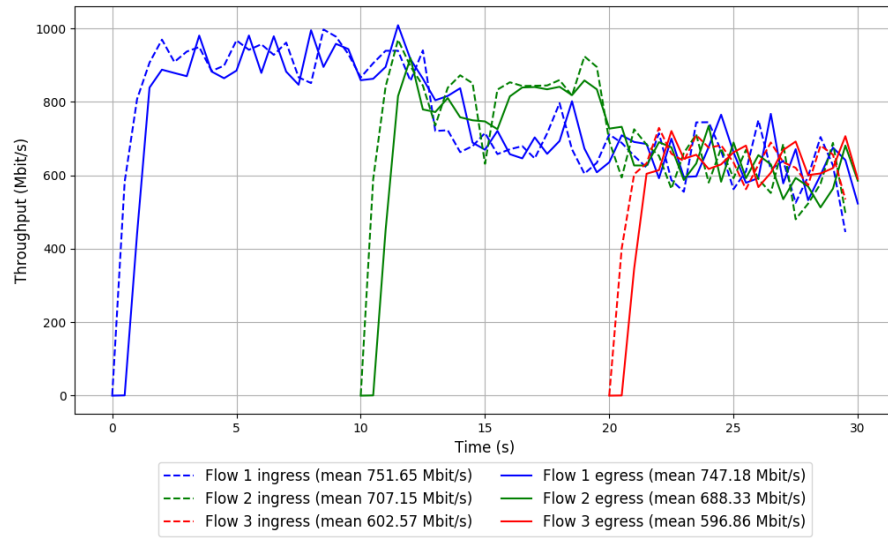
-- Flow 3:

Average throughput: 596.86 Mbit/s

95th percentile per-packet one-way delay: 135.202 ms

Loss rate: 0.94%

Run 10: Report of FillP — Data Link

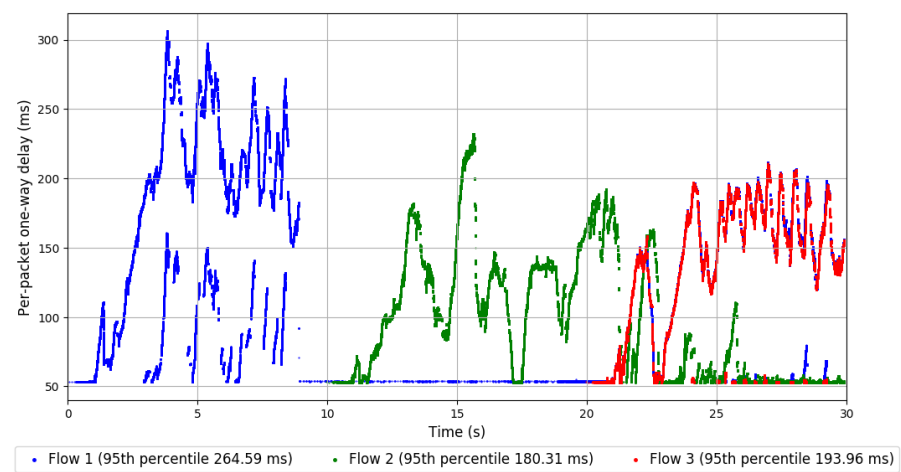
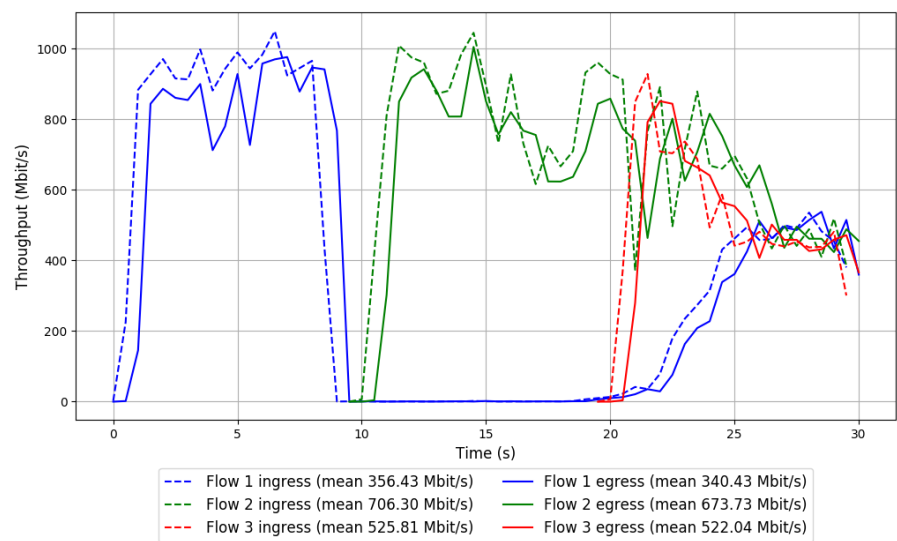


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-05 18:39:13
End at: 2018-07-05 18:39:43
Local clock offset: -0.049 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-07-06 00:11:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 964.06 Mbit/s
95th percentile per-packet one-way delay: 234.772 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 340.43 Mbit/s
95th percentile per-packet one-way delay: 264.594 ms
Loss rate: 4.46%
-- Flow 2:
Average throughput: 673.73 Mbit/s
95th percentile per-packet one-way delay: 180.307 ms
Loss rate: 4.61%
-- Flow 3:
Average throughput: 522.04 Mbit/s
95th percentile per-packet one-way delay: 193.961 ms
Loss rate: 0.74%

Run 1: Report of FillP-Sheep — Data Link

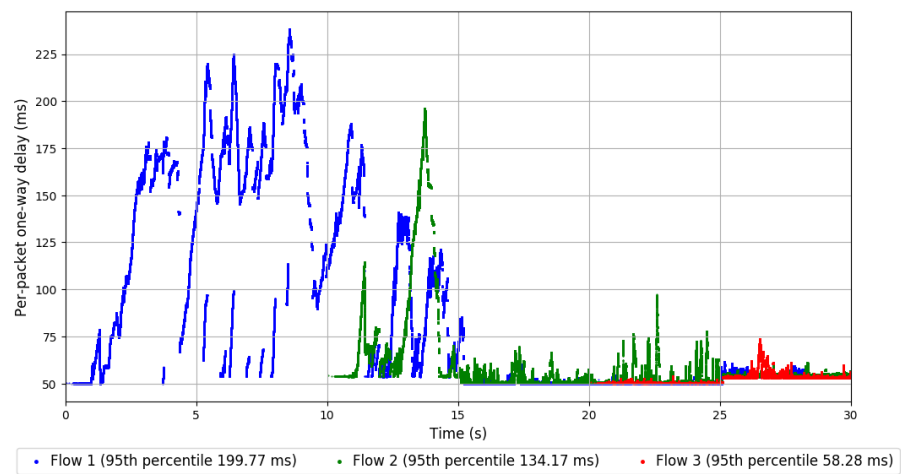
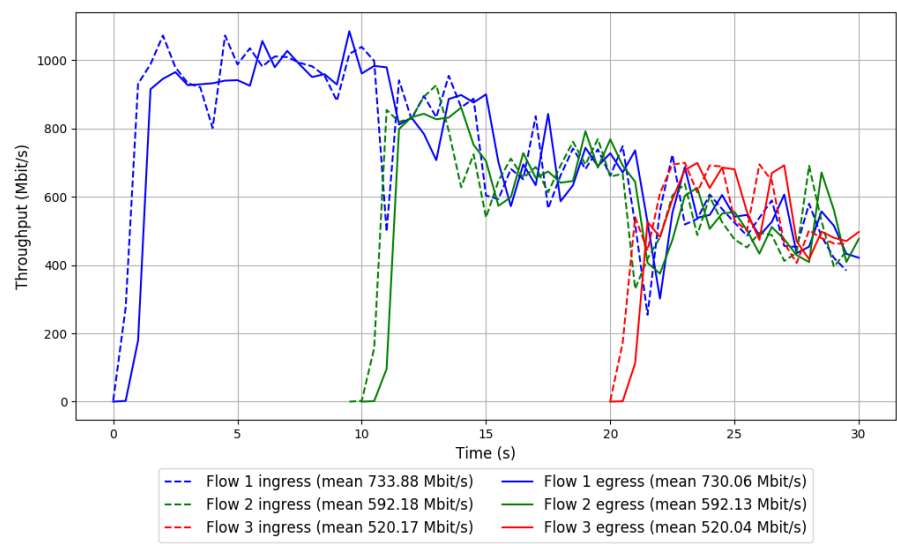


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-05 19:03:44
End at: 2018-07-05 19:04:14
Local clock offset: -0.111 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-06 00:11:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1296.24 Mbit/s
95th percentile per-packet one-way delay: 183.681 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 730.06 Mbit/s
95th percentile per-packet one-way delay: 199.767 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 592.13 Mbit/s
95th percentile per-packet one-way delay: 134.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 520.04 Mbit/s
95th percentile per-packet one-way delay: 58.284 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-05 19:28:58

End at: 2018-07-05 19:29:28

Local clock offset: -0.078 ms

Remote clock offset: 0.091 ms

Below is generated by plot.py at 2018-07-06 00:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 974.02 Mbit/s

95th percentile per-packet one-way delay: 204.979 ms

Loss rate: 3.12%

-- Flow 1:

Average throughput: 348.54 Mbit/s

95th percentile per-packet one-way delay: 205.608 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 646.18 Mbit/s

95th percentile per-packet one-way delay: 202.867 ms

Loss rate: 5.67%

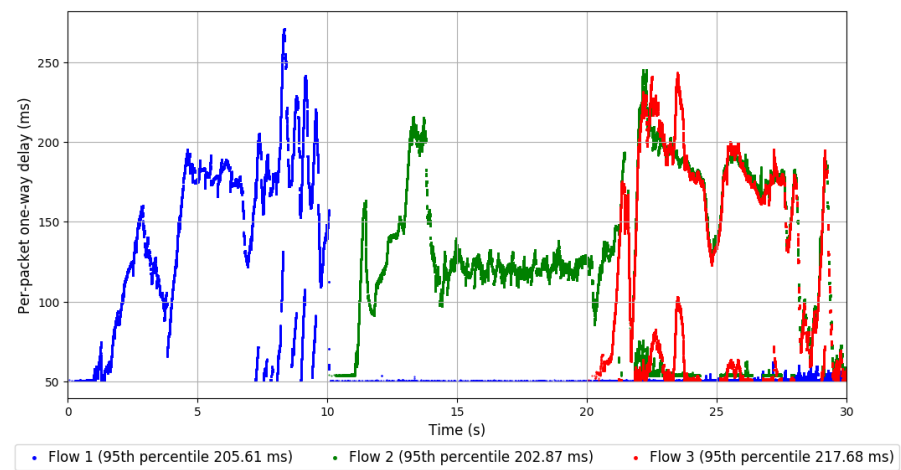
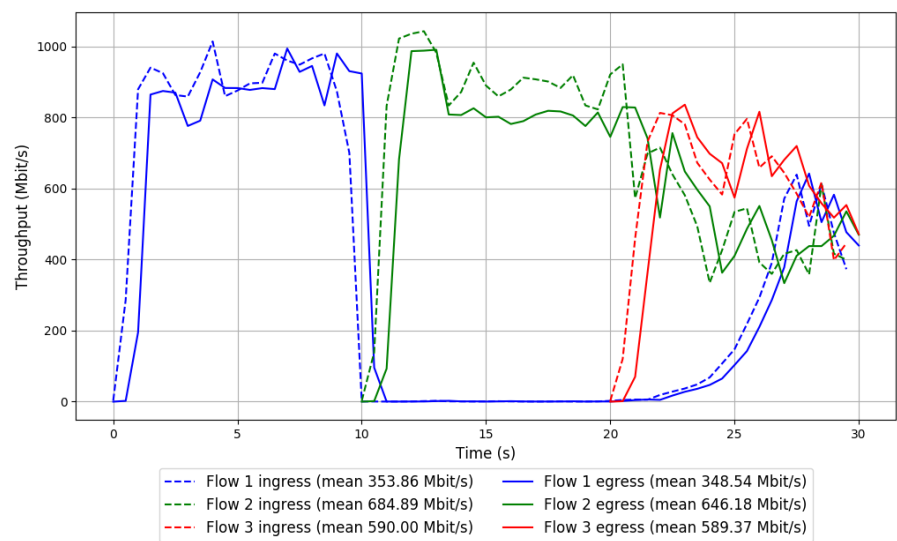
-- Flow 3:

Average throughput: 589.37 Mbit/s

95th percentile per-packet one-way delay: 217.682 ms

Loss rate: 0.08%

Run 3: Report of FillP-Sheep — Data Link

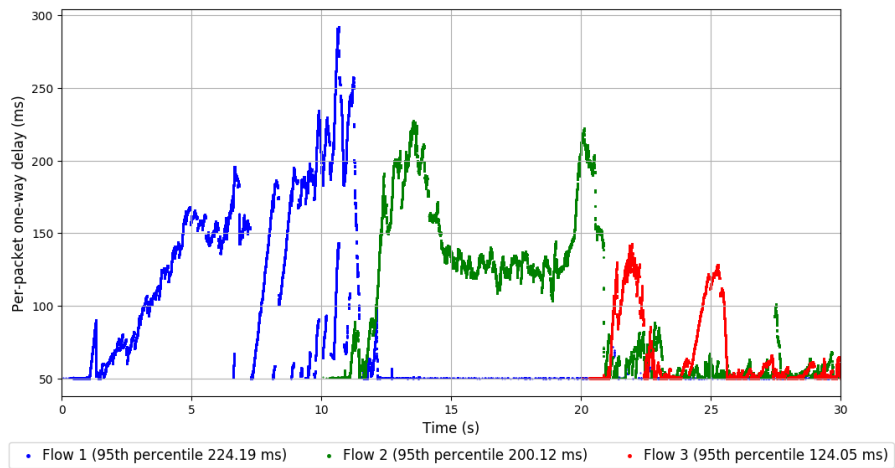
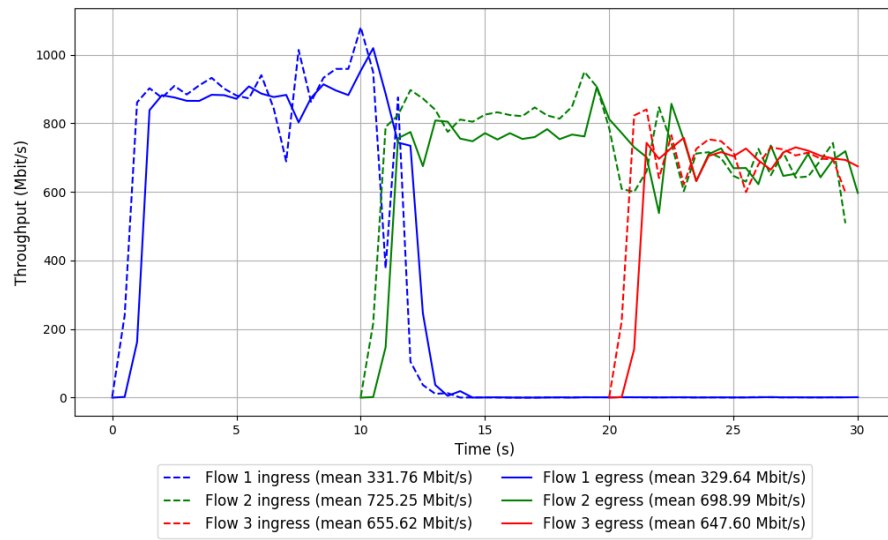


Run 4: Statistics of FillP-Sheep

Start at: 2018-07-05 19:53:51
End at: 2018-07-05 19:54:21
Local clock offset: 0.052 ms
Remote clock offset: -0.211 ms

Below is generated by plot.py at 2018-07-06 00:11:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1008.91 Mbit/s
95th percentile per-packet one-way delay: 201.116 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 329.64 Mbit/s
95th percentile per-packet one-way delay: 224.187 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 698.99 Mbit/s
95th percentile per-packet one-way delay: 200.124 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 647.60 Mbit/s
95th percentile per-packet one-way delay: 124.047 ms
Loss rate: 1.22%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-05 20:18:24

End at: 2018-07-05 20:18:54

Local clock offset: 0.089 ms

Remote clock offset: 0.187 ms

Below is generated by plot.py at 2018-07-06 00:11:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 1251.82 Mbit/s

95th percentile per-packet one-way delay: 191.753 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 680.80 Mbit/s

95th percentile per-packet one-way delay: 210.530 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 620.27 Mbit/s

95th percentile per-packet one-way delay: 95.600 ms

Loss rate: 0.00%

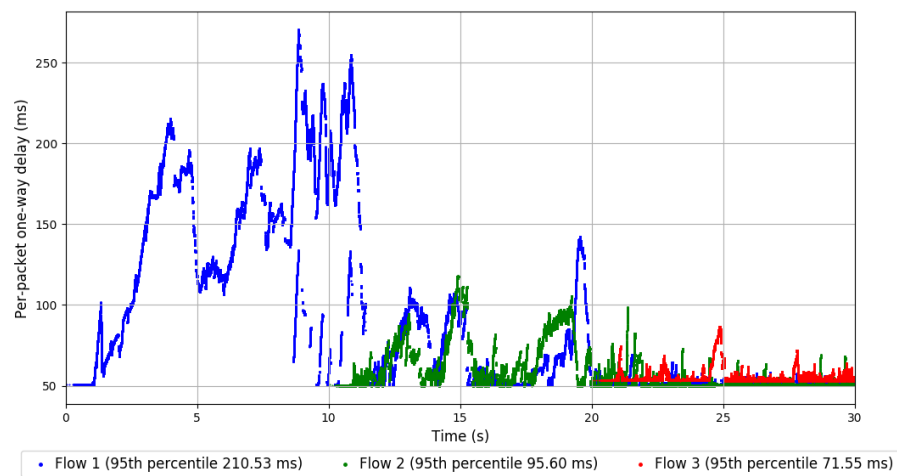
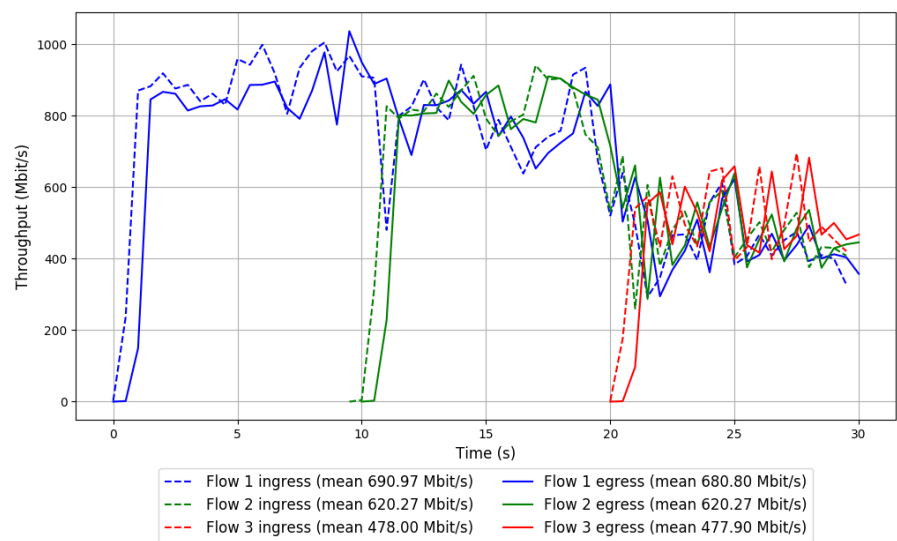
-- Flow 3:

Average throughput: 477.90 Mbit/s

95th percentile per-packet one-way delay: 71.546 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

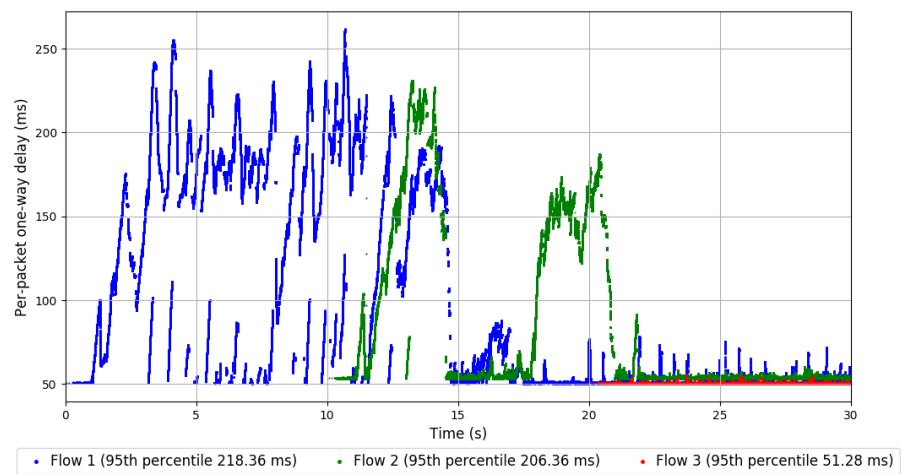
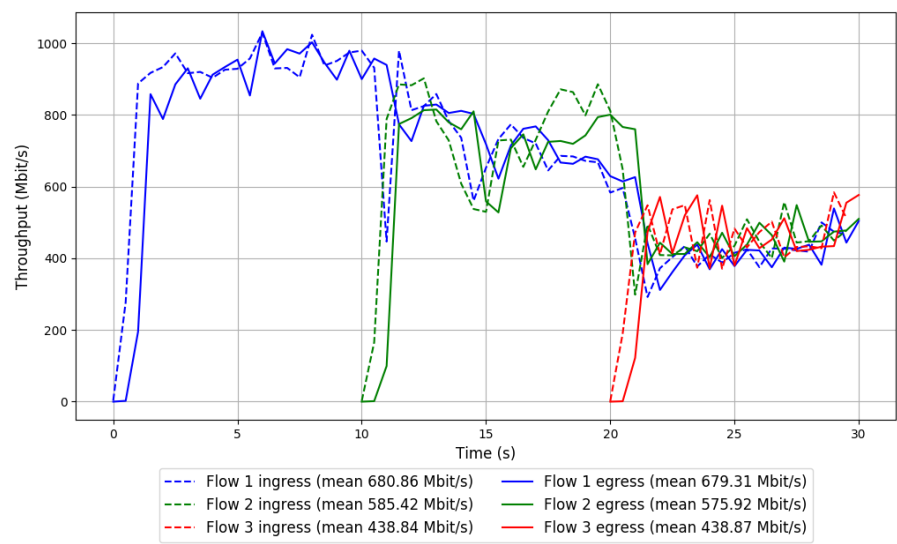


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-05 20:43:43
End at: 2018-07-05 20:44:13
Local clock offset: -0.107 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-06 00:11:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 1207.55 Mbit/s
95th percentile per-packet one-way delay: 211.106 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 679.31 Mbit/s
95th percentile per-packet one-way delay: 218.359 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 575.92 Mbit/s
95th percentile per-packet one-way delay: 206.363 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 438.87 Mbit/s
95th percentile per-packet one-way delay: 51.283 ms
Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link

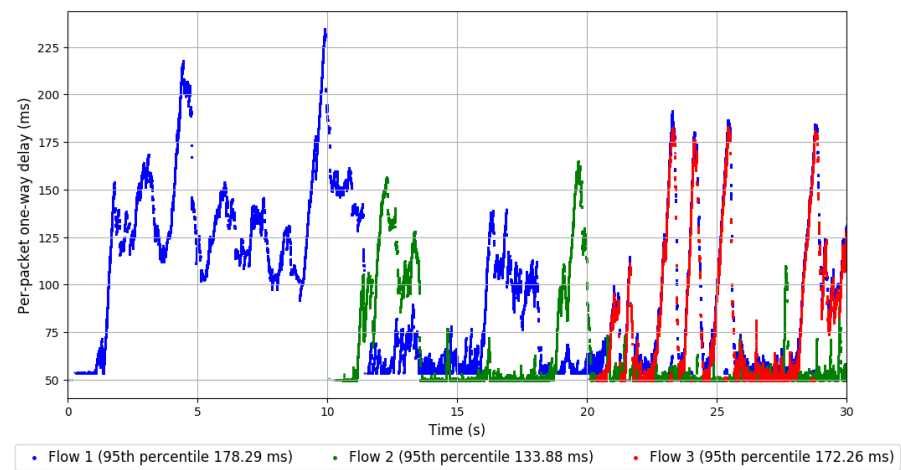
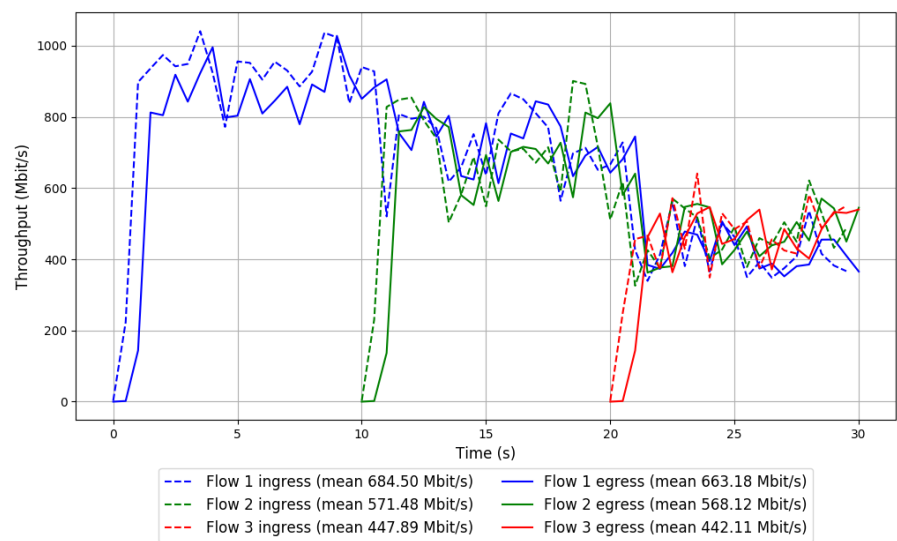


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-05 21:08:49
End at: 2018-07-05 21:09:19
Local clock offset: -0.101 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-06 00:30:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 1187.66 Mbit/s
95th percentile per-packet one-way delay: 162.973 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 663.18 Mbit/s
95th percentile per-packet one-way delay: 178.290 ms
Loss rate: 3.10%
-- Flow 2:
Average throughput: 568.12 Mbit/s
95th percentile per-packet one-way delay: 133.881 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 442.11 Mbit/s
95th percentile per-packet one-way delay: 172.257 ms
Loss rate: 1.27%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-07-05 21:33:33

End at: 2018-07-05 21:34:03

Local clock offset: -0.05 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-06 00:32:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 1249.41 Mbit/s

95th percentile per-packet one-way delay: 142.015 ms

Loss rate: 3.82%

-- Flow 1:

Average throughput: 682.02 Mbit/s

95th percentile per-packet one-way delay: 150.154 ms

Loss rate: 4.42%

-- Flow 2:

Average throughput: 599.85 Mbit/s

95th percentile per-packet one-way delay: 138.554 ms

Loss rate: 4.17%

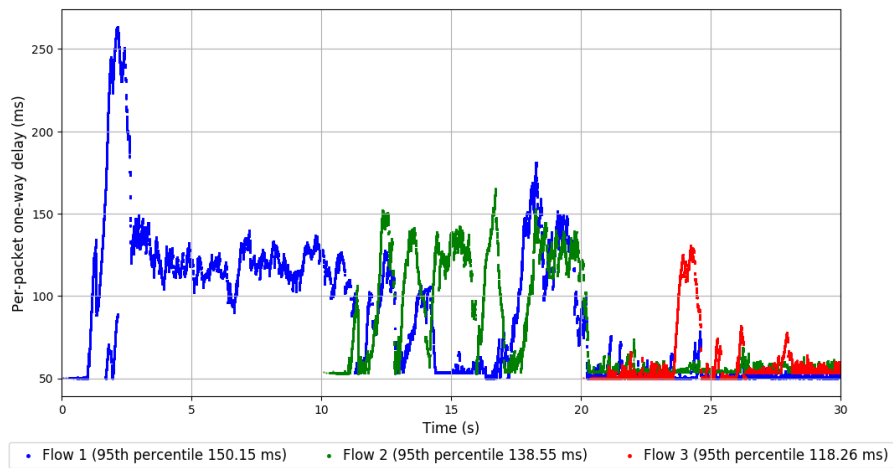
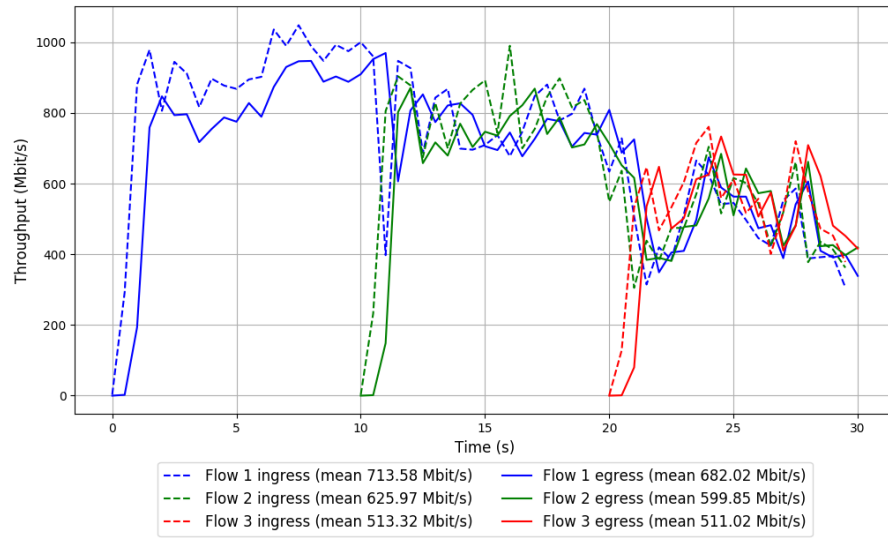
-- Flow 3:

Average throughput: 511.02 Mbit/s

95th percentile per-packet one-way delay: 118.257 ms

Loss rate: 0.42%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-05 21:58:31

End at: 2018-07-05 21:59:01

Local clock offset: -0.069 ms

Remote clock offset: 1.065 ms

Below is generated by plot.py at 2018-07-06 00:32:28

Datalink statistics

-- Total of 3 flows:

Average throughput: 1248.99 Mbit/s

95th percentile per-packet one-way delay: 192.560 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 683.62 Mbit/s

95th percentile per-packet one-way delay: 199.076 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 609.86 Mbit/s

95th percentile per-packet one-way delay: 134.345 ms

Loss rate: 2.36%

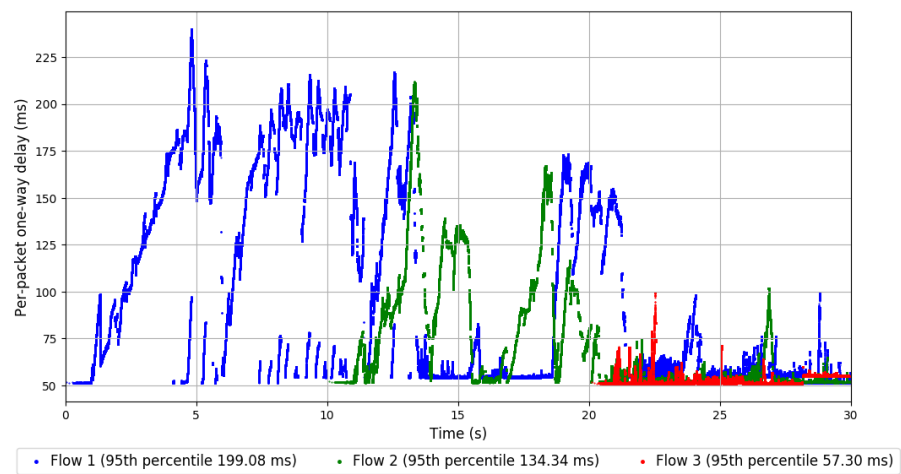
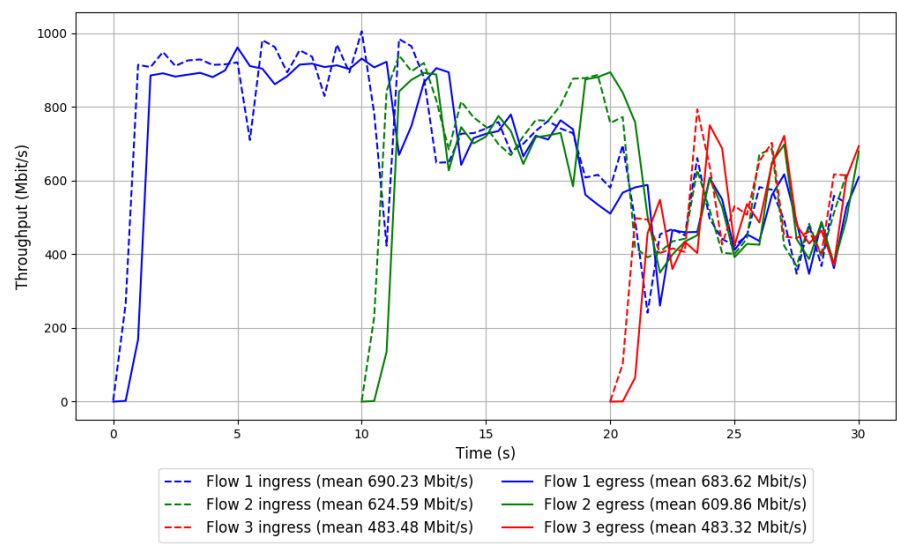
-- Flow 3:

Average throughput: 483.32 Mbit/s

95th percentile per-packet one-way delay: 57.302 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

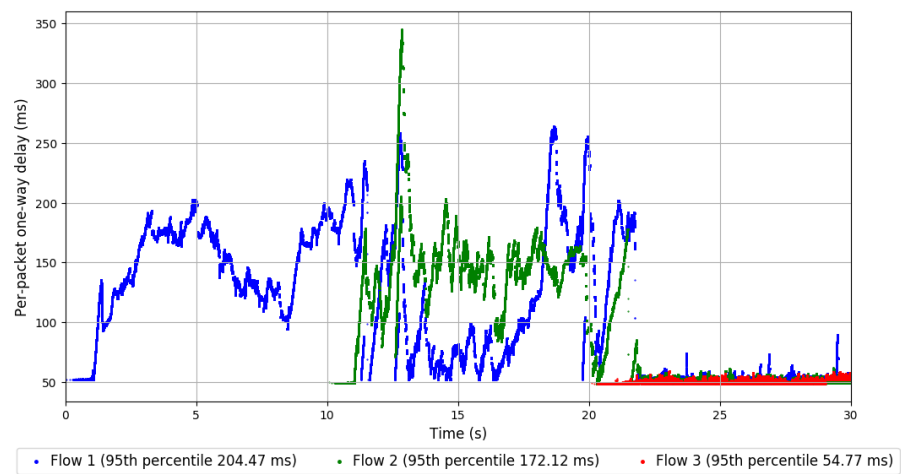
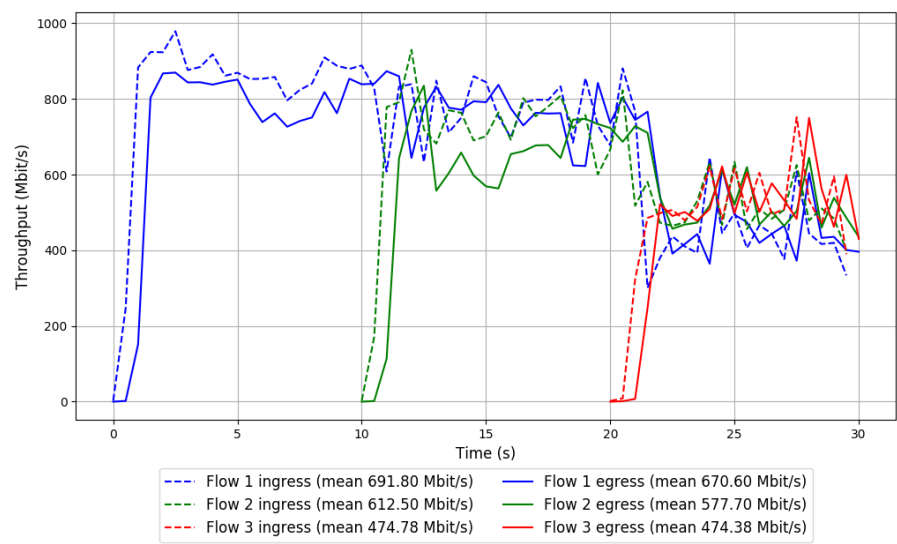


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-05 22:23:30
End at: 2018-07-05 22:24:00
Local clock offset: -0.102 ms
Remote clock offset: -1.406 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 1211.80 Mbit/s
95th percentile per-packet one-way delay: 193.957 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 670.60 Mbit/s
95th percentile per-packet one-way delay: 204.475 ms
Loss rate: 3.06%
-- Flow 2:
Average throughput: 577.70 Mbit/s
95th percentile per-packet one-way delay: 172.121 ms
Loss rate: 5.68%
-- Flow 3:
Average throughput: 474.38 Mbit/s
95th percentile per-packet one-way delay: 54.773 ms
Loss rate: 0.08%

Run 10: Report of FillP-Sheep — Data Link

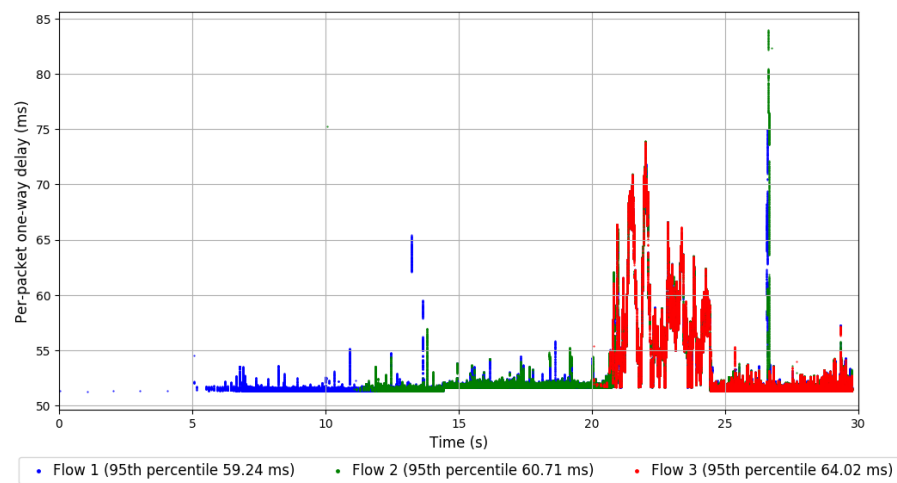
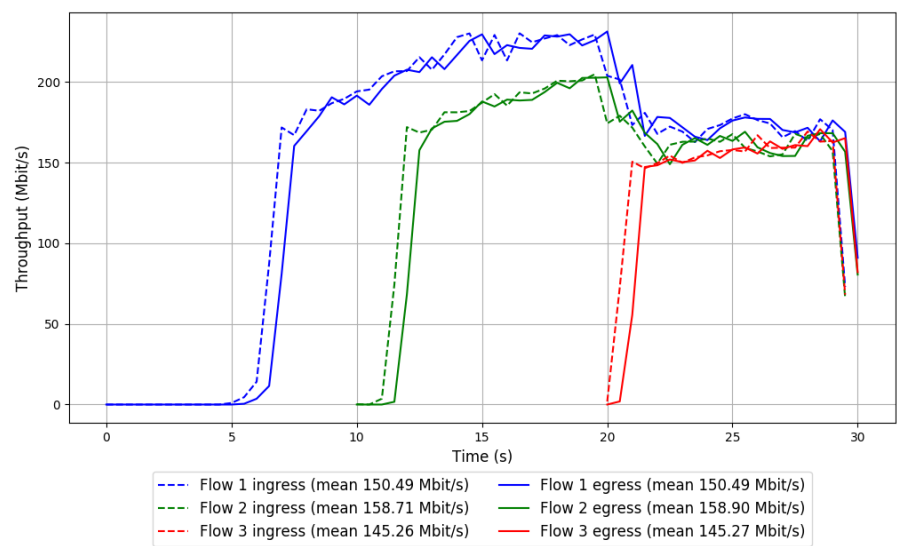


```
Run 1: Statistics of Indigo

Start at: 2018-07-05 18:43:34
End at: 2018-07-05 18:44:04
Local clock offset: -0.03 ms
Remote clock offset: 1.106 ms

# Below is generated by plot.py at 2018-07-06 00:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 303.11 Mbit/s
95th percentile per-packet one-way delay: 60.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 150.49 Mbit/s
95th percentile per-packet one-way delay: 59.242 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 158.90 Mbit/s
95th percentile per-packet one-way delay: 60.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 145.27 Mbit/s
95th percentile per-packet one-way delay: 64.022 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-05 19:08:33

End at: 2018-07-05 19:09:03

Local clock offset: -0.144 ms

Remote clock offset: 0.985 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 376.19 Mbit/s

95th percentile per-packet one-way delay: 52.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 203.75 Mbit/s

95th percentile per-packet one-way delay: 52.254 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 183.25 Mbit/s

95th percentile per-packet one-way delay: 52.603 ms

Loss rate: 0.00%

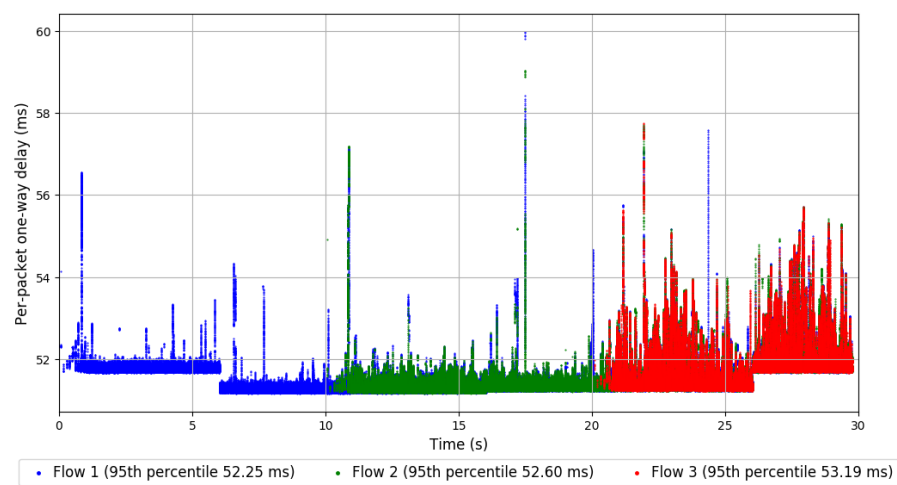
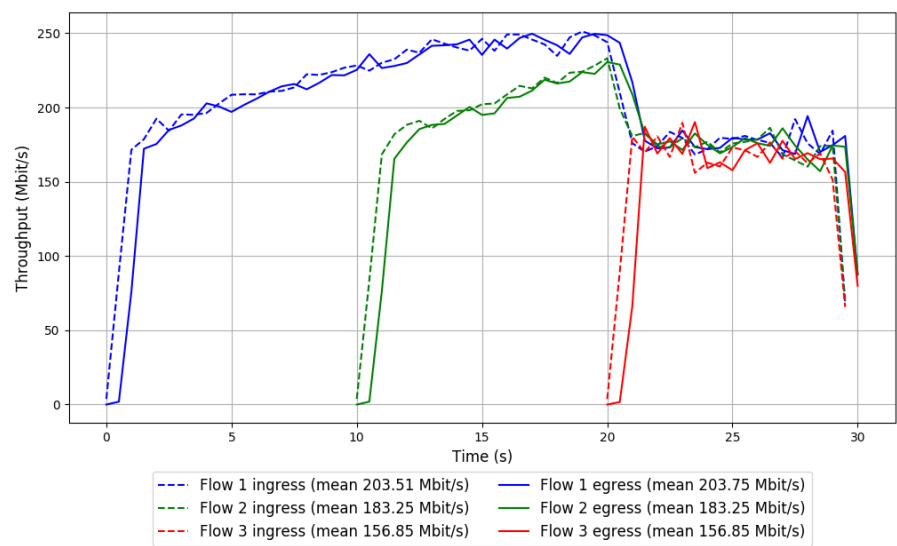
-- Flow 3:

Average throughput: 156.85 Mbit/s

95th percentile per-packet one-way delay: 53.186 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

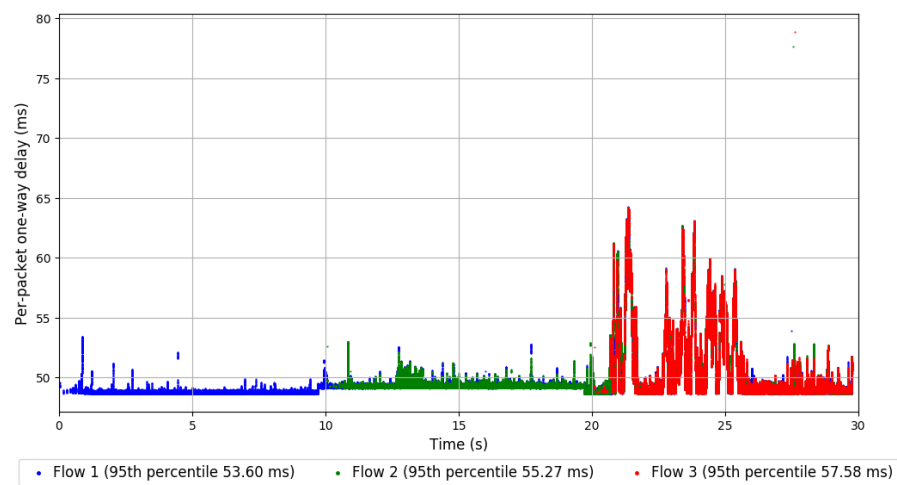
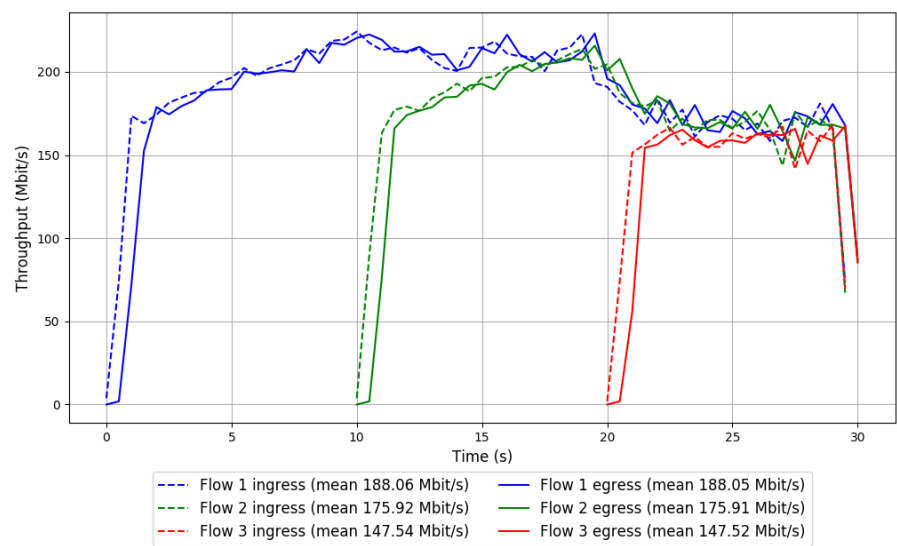


Run 3: Statistics of Indigo

Start at: 2018-07-05 19:33:09
End at: 2018-07-05 19:33:39
Local clock offset: -0.049 ms
Remote clock offset: -1.479 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 352.76 Mbit/s
95th percentile per-packet one-way delay: 55.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.05 Mbit/s
95th percentile per-packet one-way delay: 53.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 175.91 Mbit/s
95th percentile per-packet one-way delay: 55.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.52 Mbit/s
95th percentile per-packet one-way delay: 57.582 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-05 19:58:06

End at: 2018-07-05 19:58:36

Local clock offset: 0.143 ms

Remote clock offset: 1.064 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.82 Mbit/s

95th percentile per-packet one-way delay: 53.075 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.27 Mbit/s

95th percentile per-packet one-way delay: 52.072 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.08 Mbit/s

95th percentile per-packet one-way delay: 54.492 ms

Loss rate: 0.00%

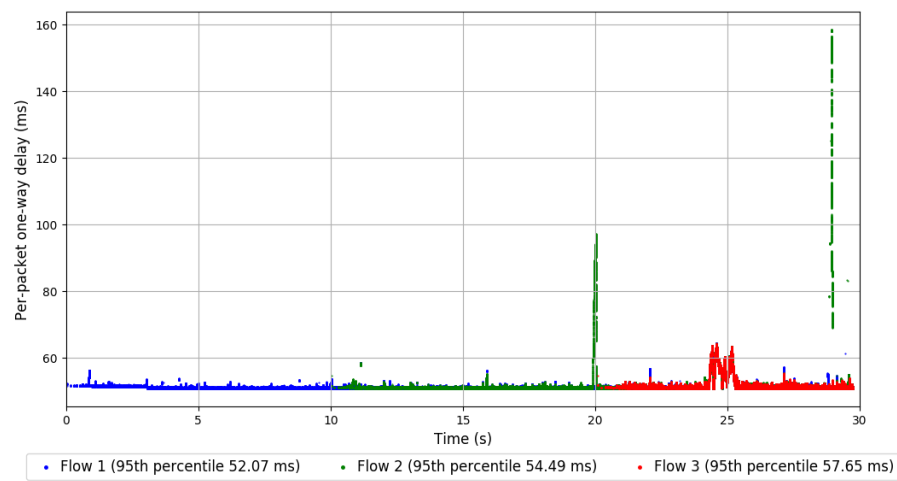
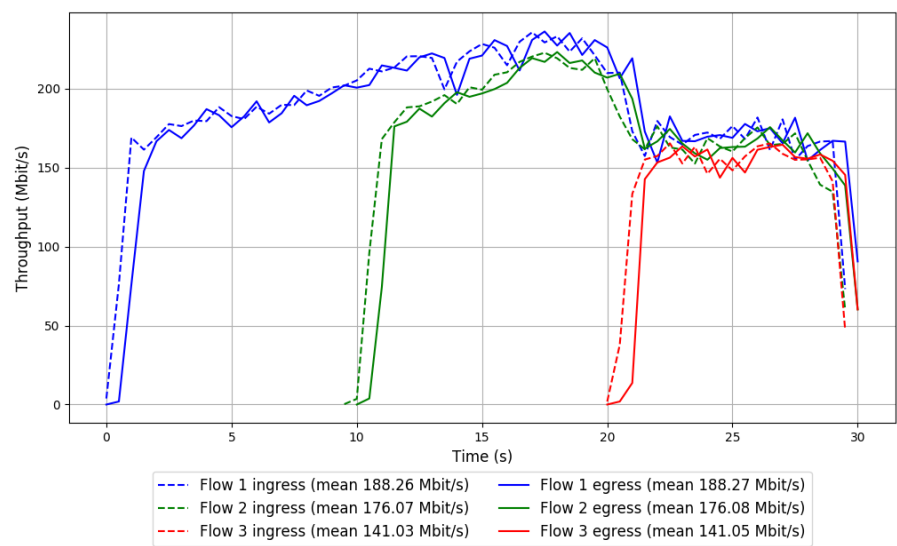
-- Flow 3:

Average throughput: 141.05 Mbit/s

95th percentile per-packet one-way delay: 57.654 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-05 20:23:19

End at: 2018-07-05 20:23:49

Local clock offset: 0.03 ms

Remote clock offset: 0.958 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 351.23 Mbit/s

95th percentile per-packet one-way delay: 51.708 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 189.08 Mbit/s

95th percentile per-packet one-way delay: 51.558 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 170.34 Mbit/s

95th percentile per-packet one-way delay: 51.803 ms

Loss rate: 0.00%

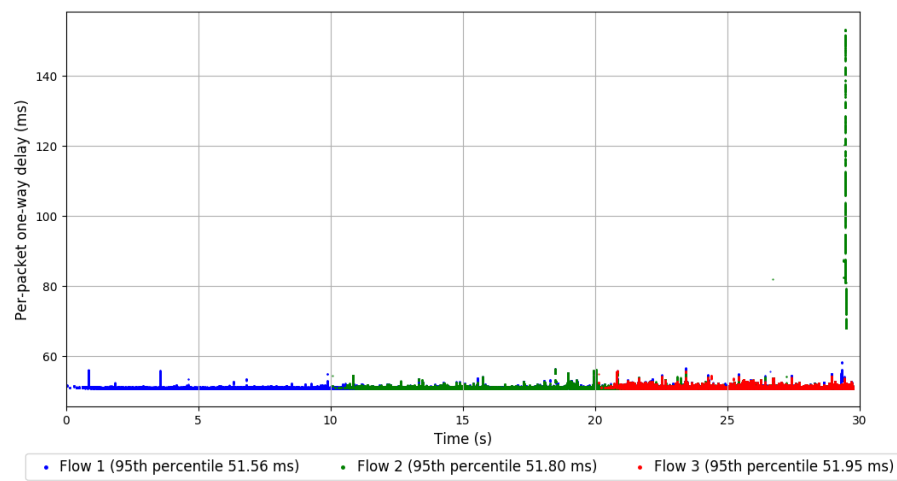
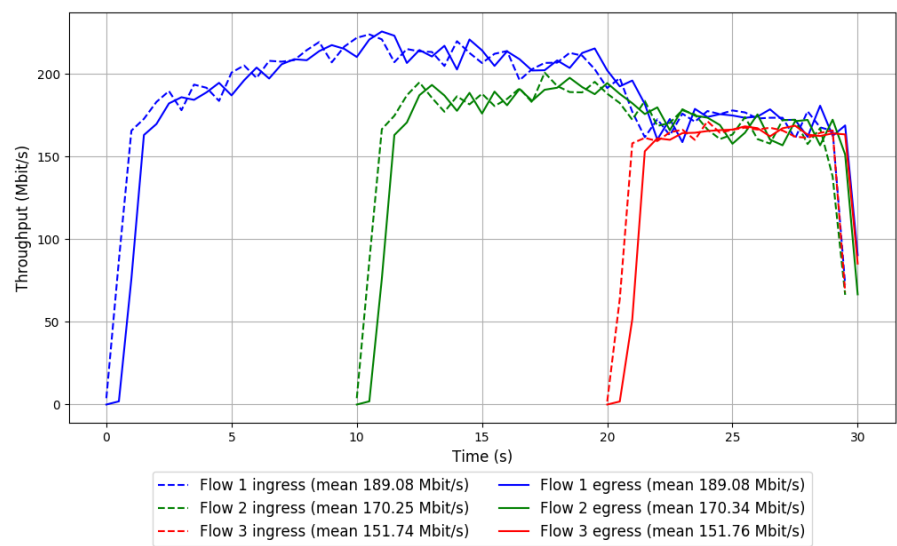
-- Flow 3:

Average throughput: 151.76 Mbit/s

95th percentile per-packet one-way delay: 51.946 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link

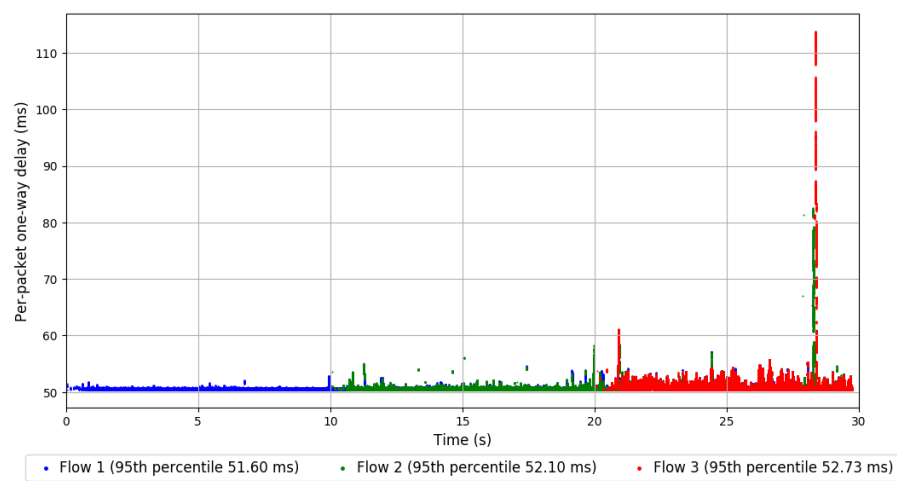
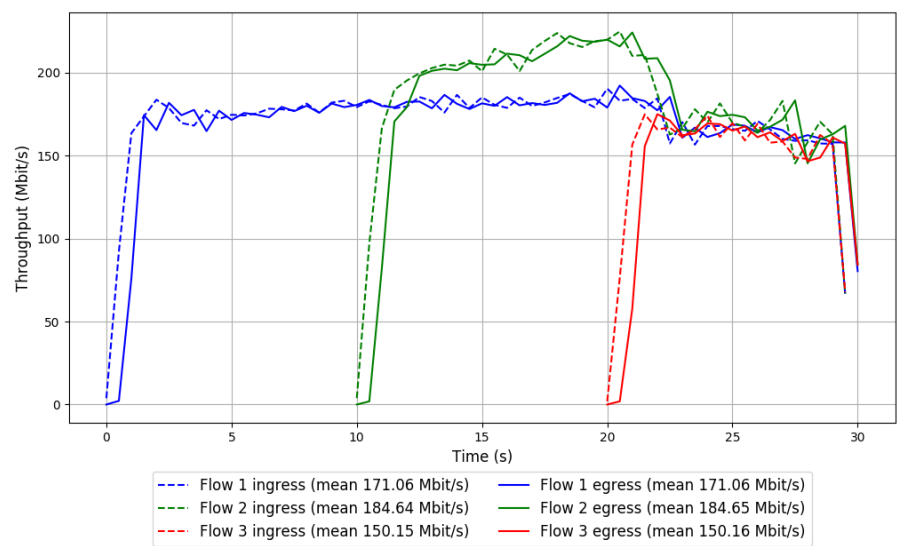


Run 6: Statistics of Indigo

Start at: 2018-07-05 20:48:23
End at: 2018-07-05 20:48:53
Local clock offset: -0.15 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 342.35 Mbit/s
95th percentile per-packet one-way delay: 52.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 171.06 Mbit/s
95th percentile per-packet one-way delay: 51.603 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.65 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 150.16 Mbit/s
95th percentile per-packet one-way delay: 52.731 ms
Loss rate: 0.00%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-05 21:13:16

End at: 2018-07-05 21:13:46

Local clock offset: -0.151 ms

Remote clock offset: 1.164 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 352.96 Mbit/s

95th percentile per-packet one-way delay: 53.477 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 188.97 Mbit/s

95th percentile per-packet one-way delay: 52.650 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 169.91 Mbit/s

95th percentile per-packet one-way delay: 53.523 ms

Loss rate: 0.01%

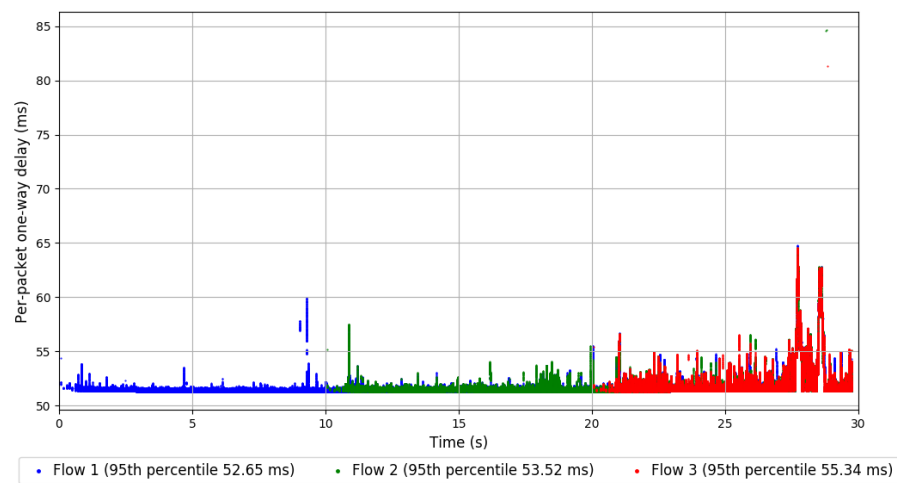
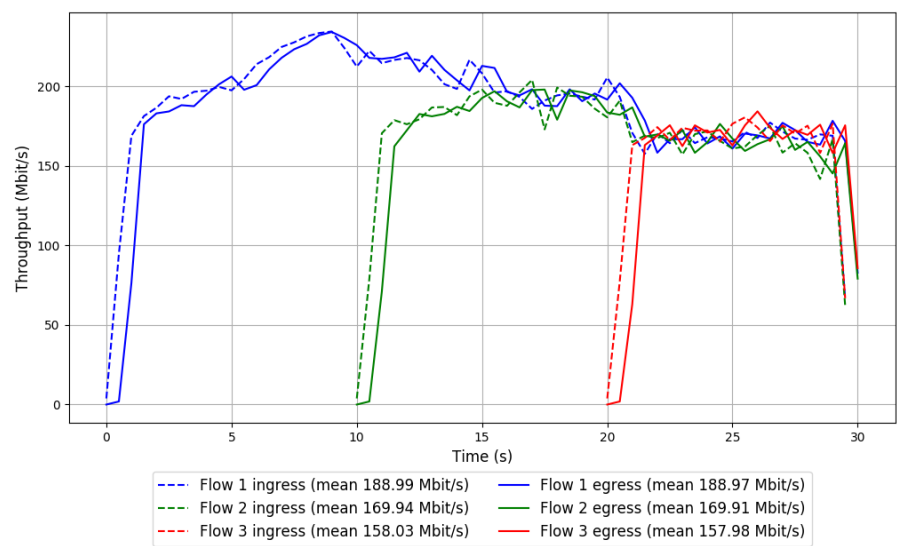
-- Flow 3:

Average throughput: 157.98 Mbit/s

95th percentile per-packet one-way delay: 55.345 ms

Loss rate: 0.01%

Run 7: Report of Indigo — Data Link

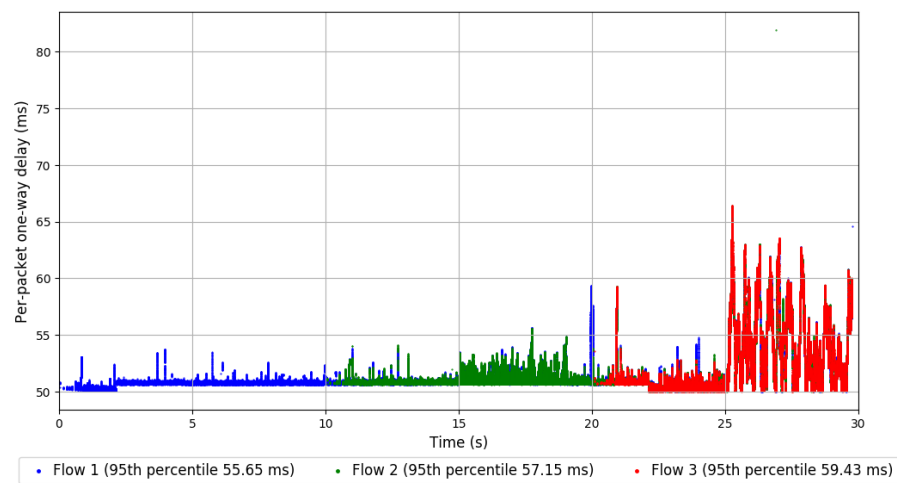
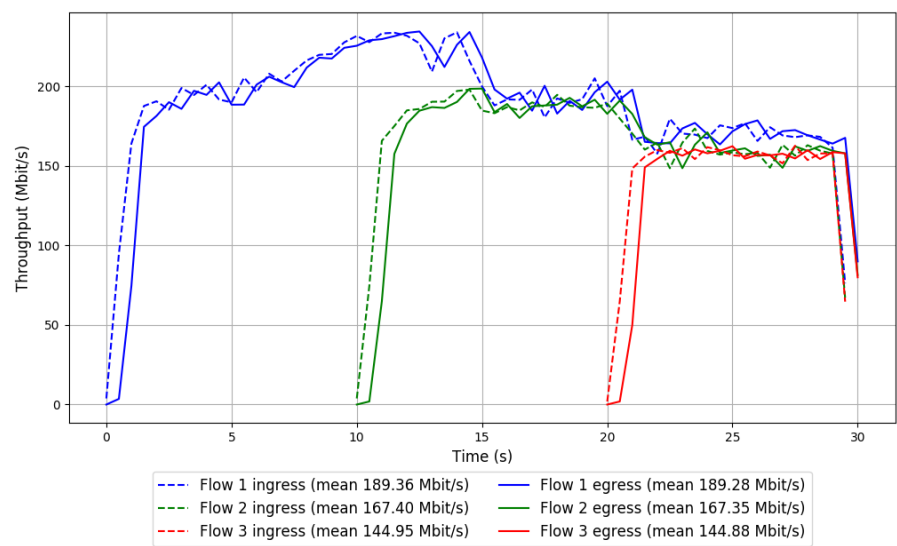


Run 8: Statistics of Indigo

Start at: 2018-07-05 21:37:56
End at: 2018-07-05 21:38:26
Local clock offset: -0.134 ms
Remote clock offset: -0.122 ms

```
# Below is generated by plot.py at 2018-07-06 00:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 347.32 Mbit/s
95th percentile per-packet one-way delay: 57.100 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 189.28 Mbit/s
95th percentile per-packet one-way delay: 55.649 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 167.35 Mbit/s
95th percentile per-packet one-way delay: 57.146 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 144.88 Mbit/s
95th percentile per-packet one-way delay: 59.430 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

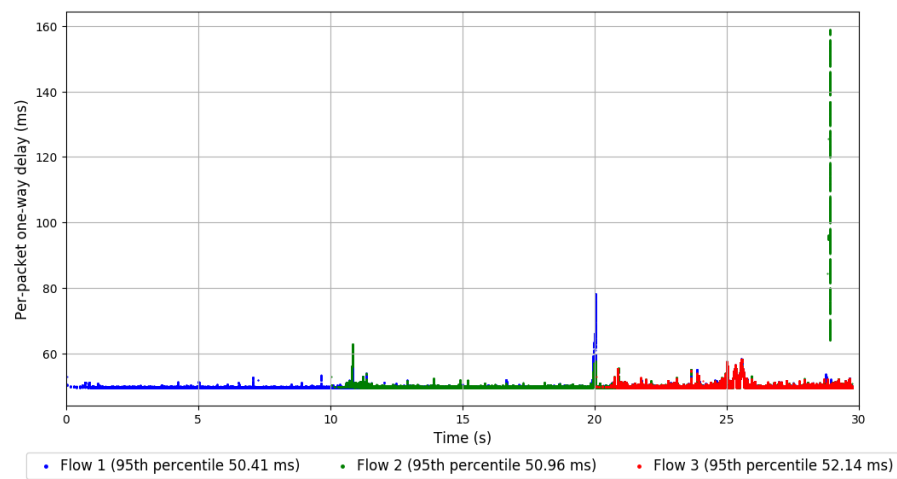
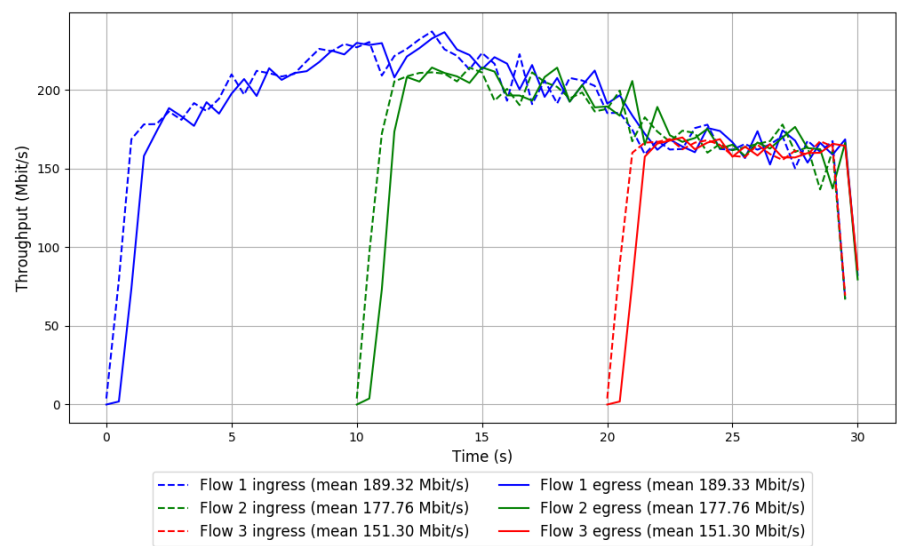


Run 9: Statistics of Indigo

Start at: 2018-07-05 22:03:01
End at: 2018-07-05 22:03:31
Local clock offset: 0.217 ms
Remote clock offset: -0.224 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.61 Mbit/s
95th percentile per-packet one-way delay: 50.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.33 Mbit/s
95th percentile per-packet one-way delay: 50.405 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.76 Mbit/s
95th percentile per-packet one-way delay: 50.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.30 Mbit/s
95th percentile per-packet one-way delay: 52.143 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-05 22:28:10

End at: 2018-07-05 22:28:40

Local clock offset: -0.061 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 354.52 Mbit/s

95th percentile per-packet one-way delay: 53.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 190.70 Mbit/s

95th percentile per-packet one-way delay: 52.612 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.04 Mbit/s

95th percentile per-packet one-way delay: 53.344 ms

Loss rate: 0.00%

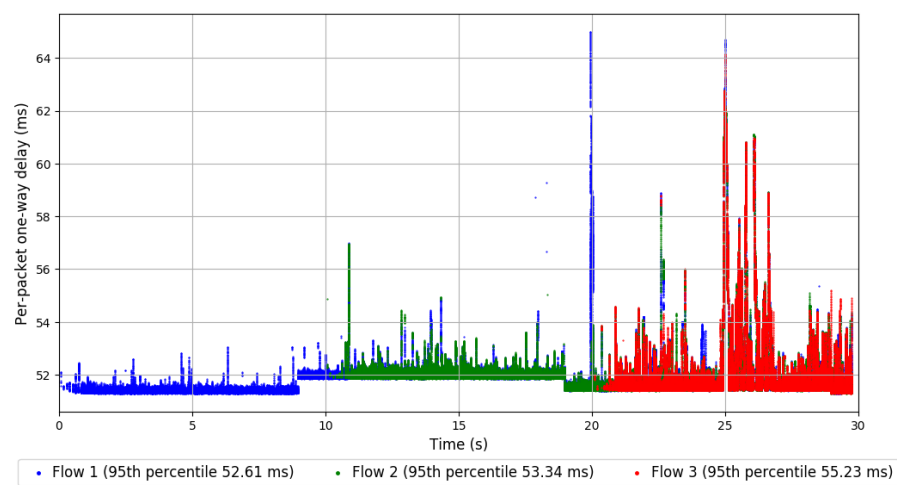
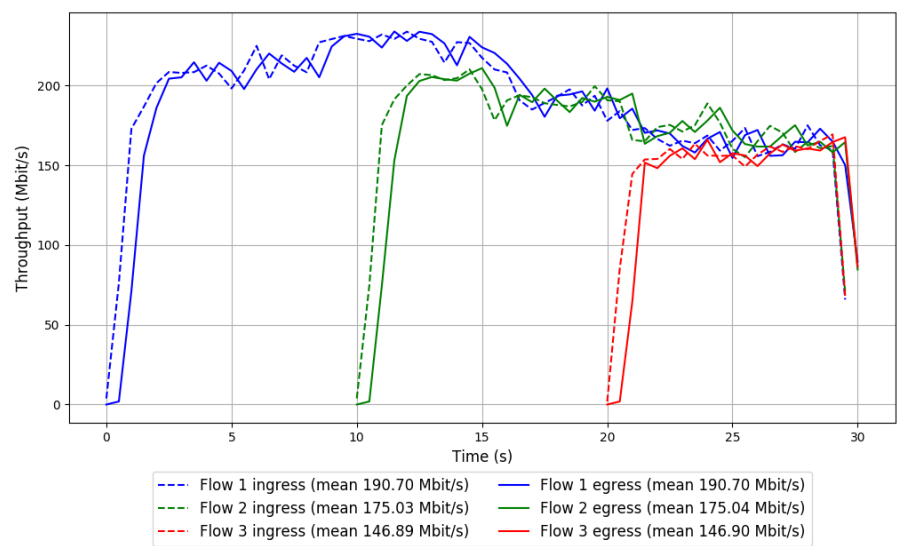
-- Flow 3:

Average throughput: 146.90 Mbit/s

95th percentile per-packet one-way delay: 55.231 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

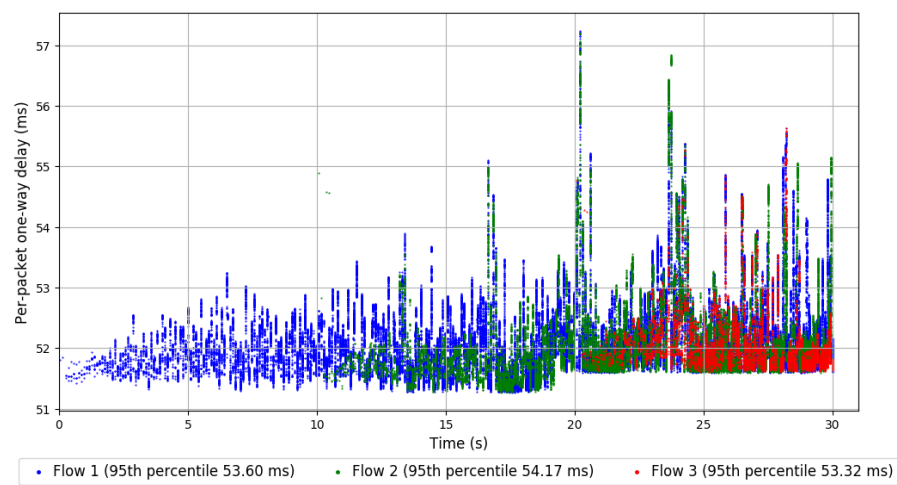
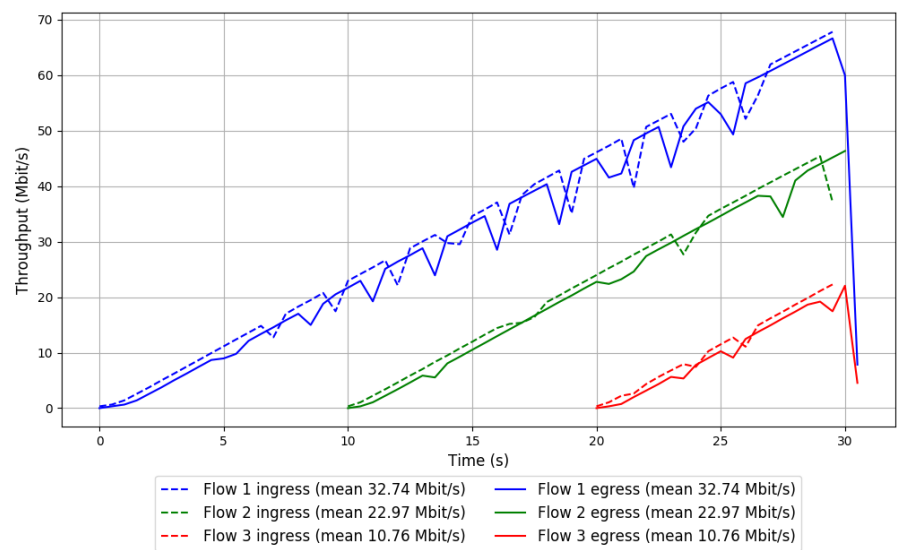


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-05 18:30:30
End at: 2018-07-05 18:31:00
Local clock offset: -0.047 ms
Remote clock offset: 1.081 ms

# Below is generated by plot.py at 2018-07-06 00:38:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.56 Mbit/s
95th percentile per-packet one-way delay: 53.749 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.74 Mbit/s
95th percentile per-packet one-way delay: 53.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 54.174 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 53.323 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

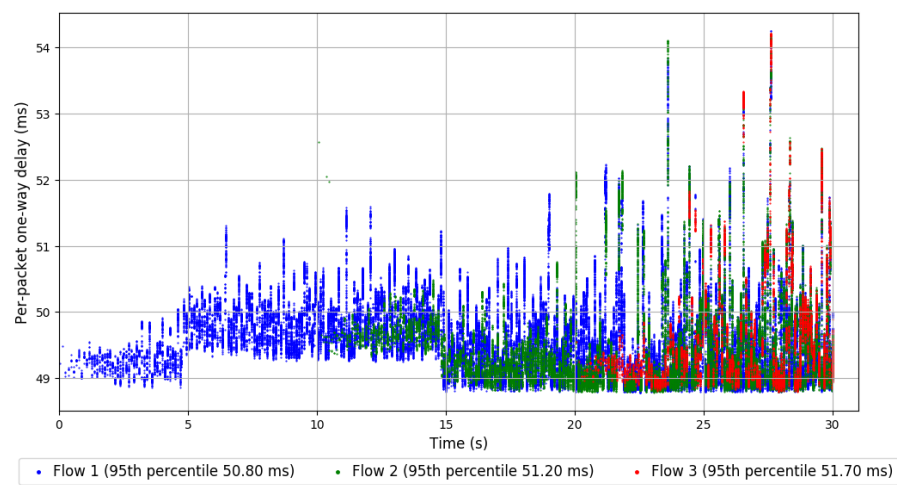
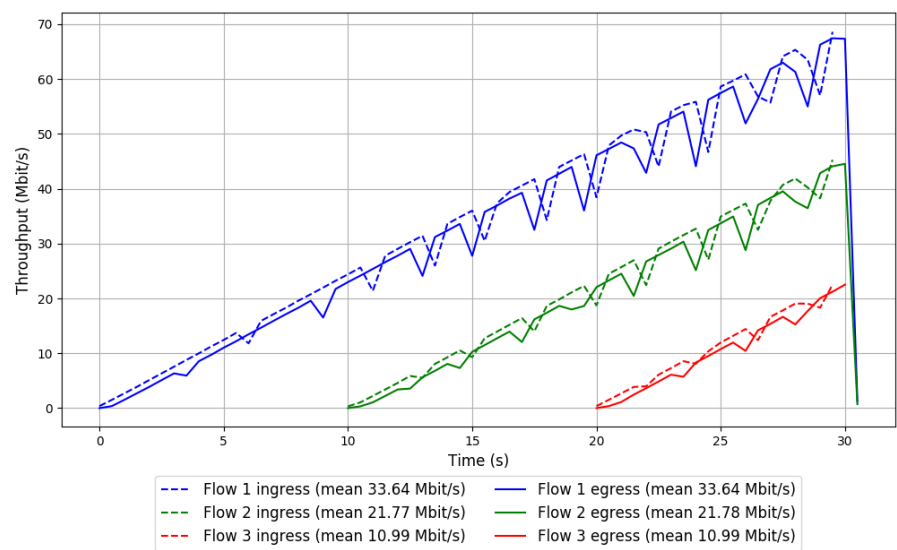


Run 2: Statistics of LEDBAT

Start at: 2018-07-05 18:55:04
End at: 2018-07-05 18:55:34
Local clock offset: -0.021 ms
Remote clock offset: -1.432 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.78 Mbit/s
95th percentile per-packet one-way delay: 50.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.78 Mbit/s
95th percentile per-packet one-way delay: 51.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-05 19:20:16

End at: 2018-07-05 19:20:46

Local clock offset: -0.038 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.57 Mbit/s

95th percentile per-packet one-way delay: 51.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 51.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.17 Mbit/s

95th percentile per-packet one-way delay: 51.346 ms

Loss rate: 0.00%

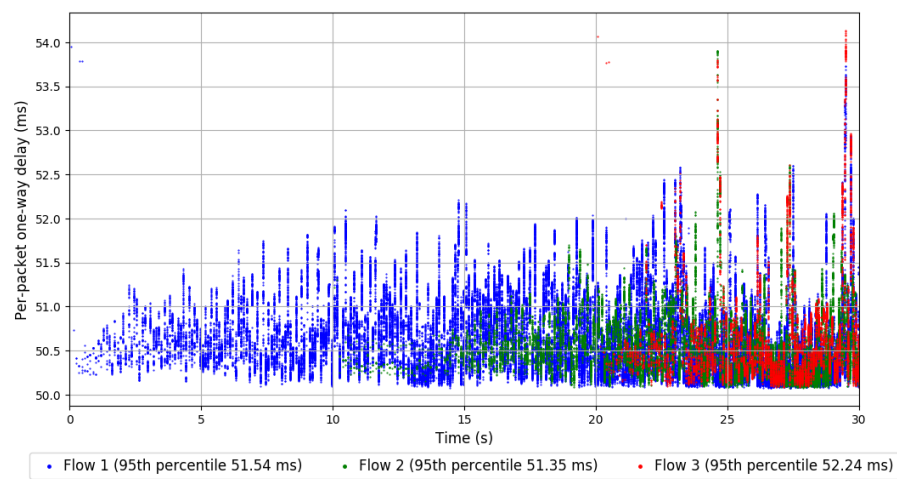
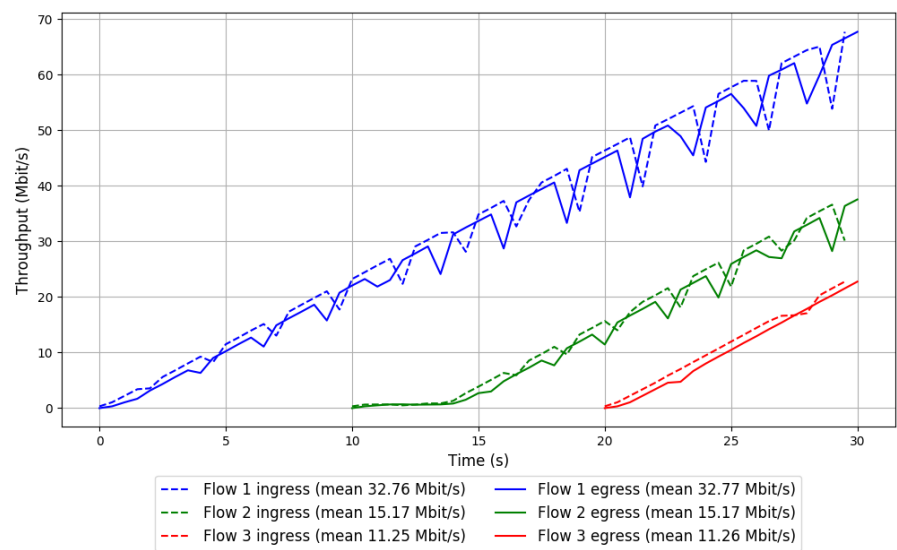
-- Flow 3:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 52.241 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-05 19:44:57

End at: 2018-07-05 19:45:27

Local clock offset: -0.035 ms

Remote clock offset: 1.514 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.29 Mbit/s

95th percentile per-packet one-way delay: 53.780 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.72 Mbit/s

95th percentile per-packet one-way delay: 53.594 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 54.184 ms

Loss rate: 0.00%

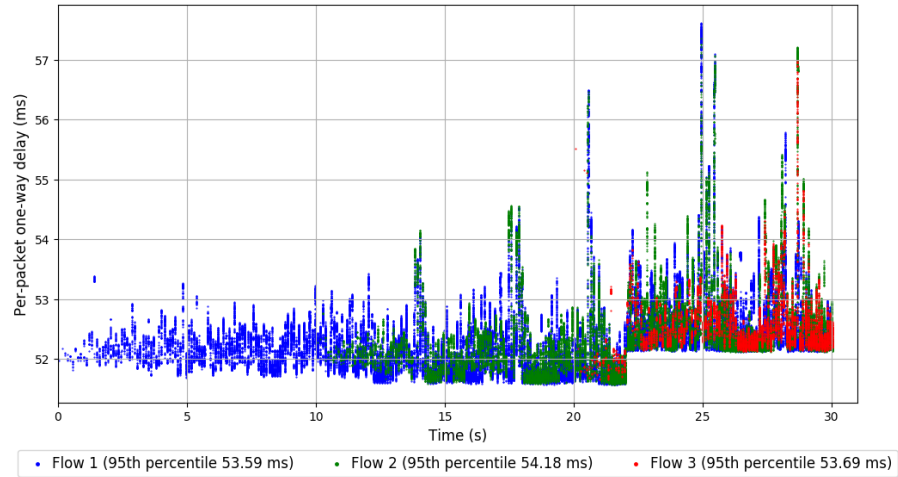
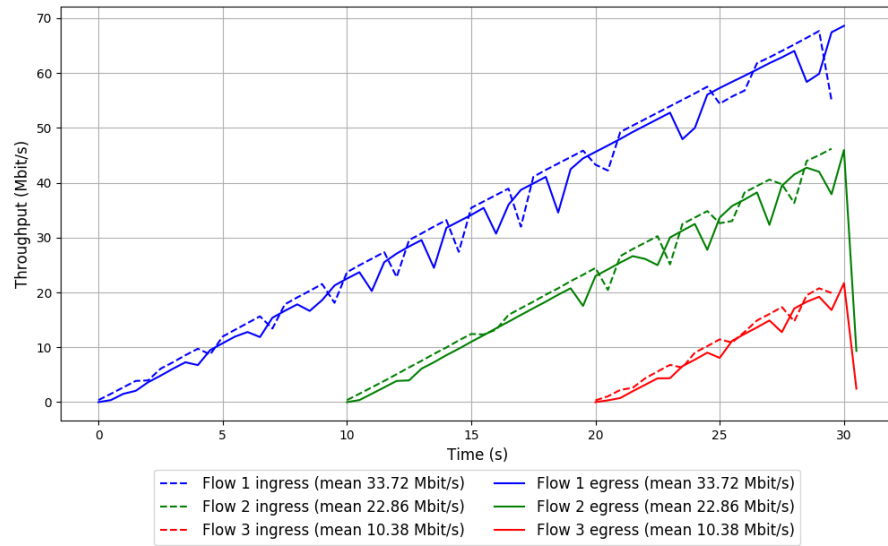
-- Flow 3:

Average throughput: 10.38 Mbit/s

95th percentile per-packet one-way delay: 53.691 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

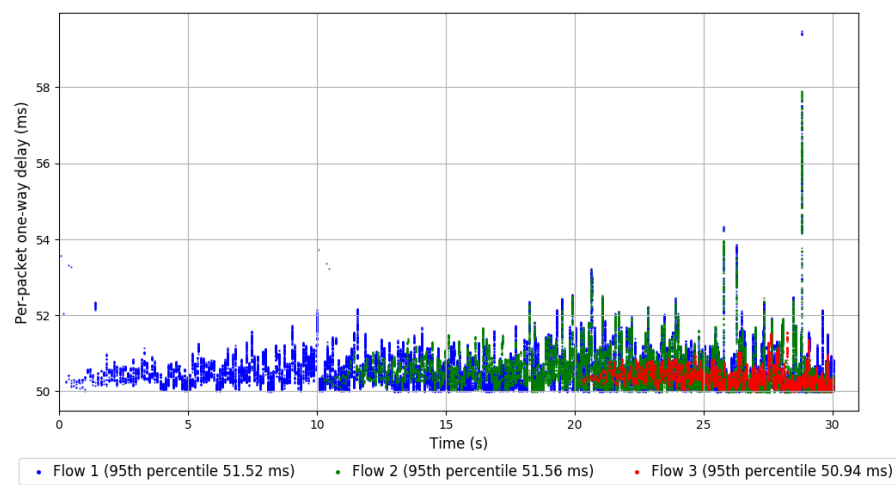
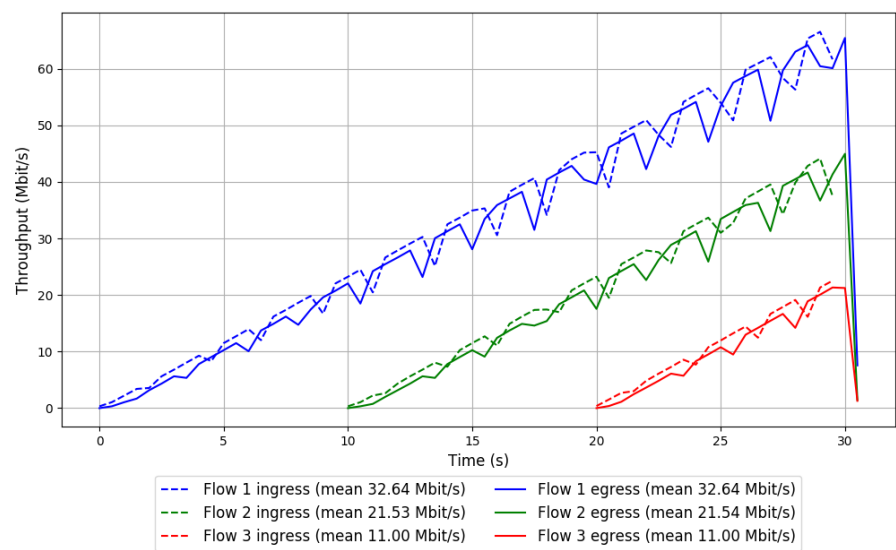


Run 5: Statistics of LEDBAT

Start at: 2018-07-05 20:09:36
End at: 2018-07-05 20:10:06
Local clock offset: 0.025 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.63 Mbit/s
95th percentile per-packet one-way delay: 51.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 51.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 51.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.00 Mbit/s
95th percentile per-packet one-way delay: 50.935 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

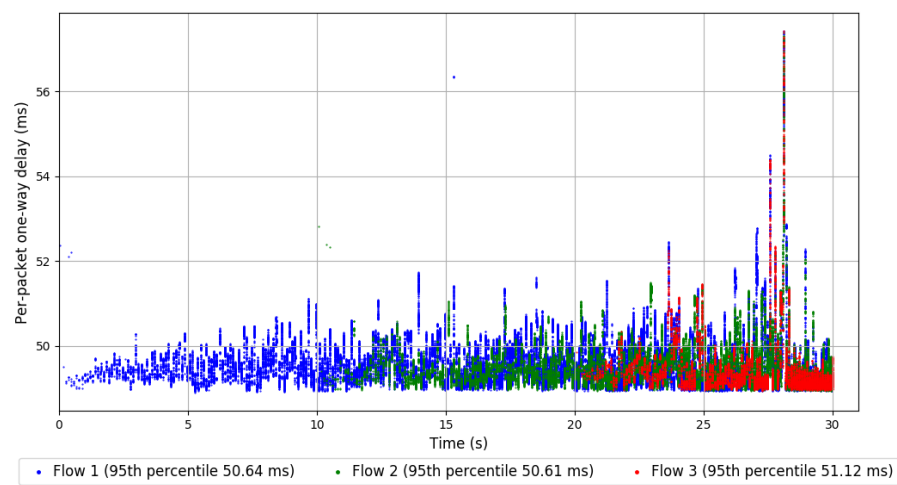
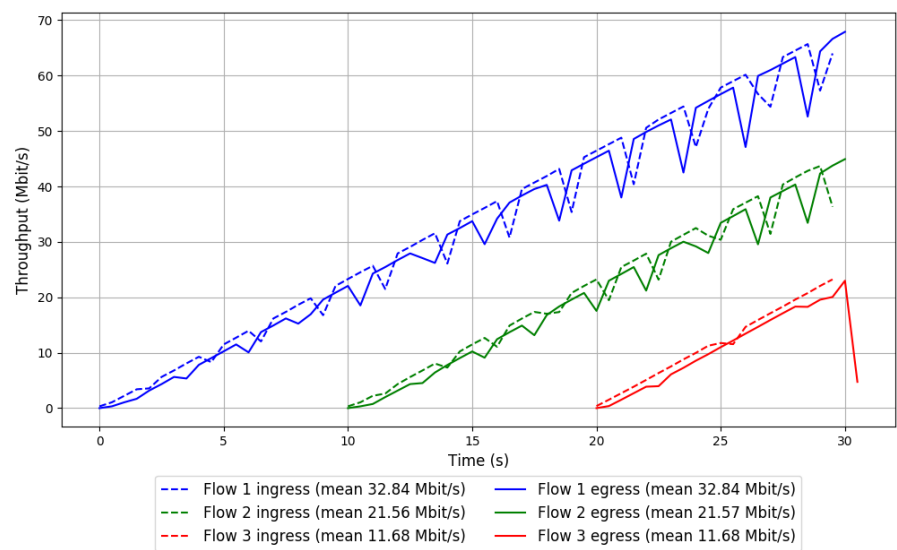


Run 6: Statistics of LEDBAT

Start at: 2018-07-05 20:35:07
End at: 2018-07-05 20:35:37
Local clock offset: -0.194 ms
Remote clock offset: -1.274 ms

Below is generated by plot.py at 2018-07-06 00:38:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.99 Mbit/s
95th percentile per-packet one-way delay: 50.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.84 Mbit/s
95th percentile per-packet one-way delay: 50.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.57 Mbit/s
95th percentile per-packet one-way delay: 50.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 51.122 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-05 21:00:07

End at: 2018-07-05 21:00:37

Local clock offset: -0.266 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.46 Mbit/s

95th percentile per-packet one-way delay: 52.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.77 Mbit/s

95th percentile per-packet one-way delay: 52.338 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 52.425 ms

Loss rate: 0.00%

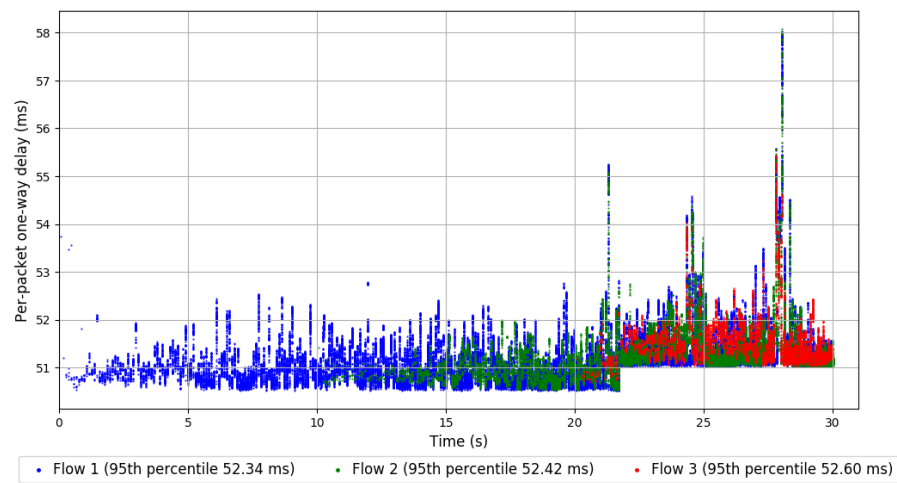
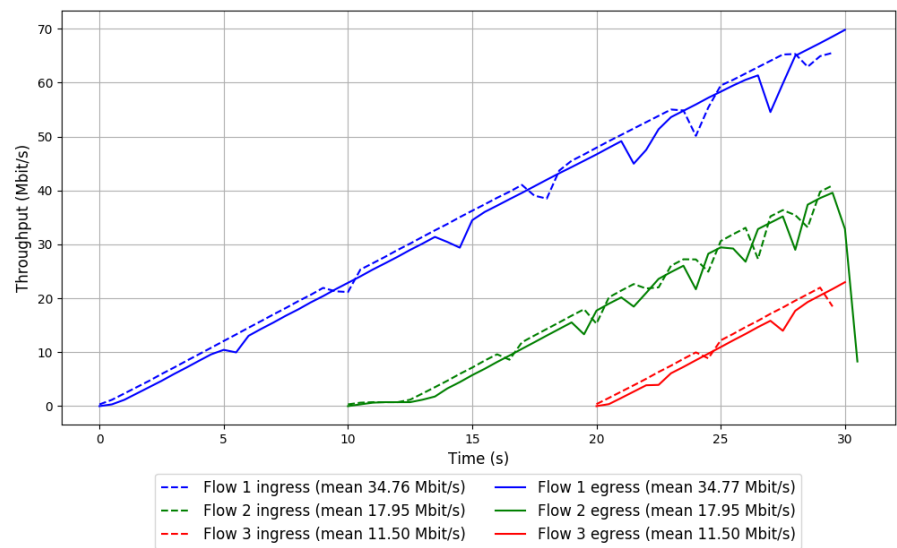
-- Flow 3:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 52.600 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-05 21:24:53

End at: 2018-07-05 21:25:23

Local clock offset: 0.023 ms

Remote clock offset: 0.137 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.06 Mbit/s

95th percentile per-packet one-way delay: 52.178 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 52.078 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.57 Mbit/s

95th percentile per-packet one-way delay: 52.710 ms

Loss rate: 0.00%

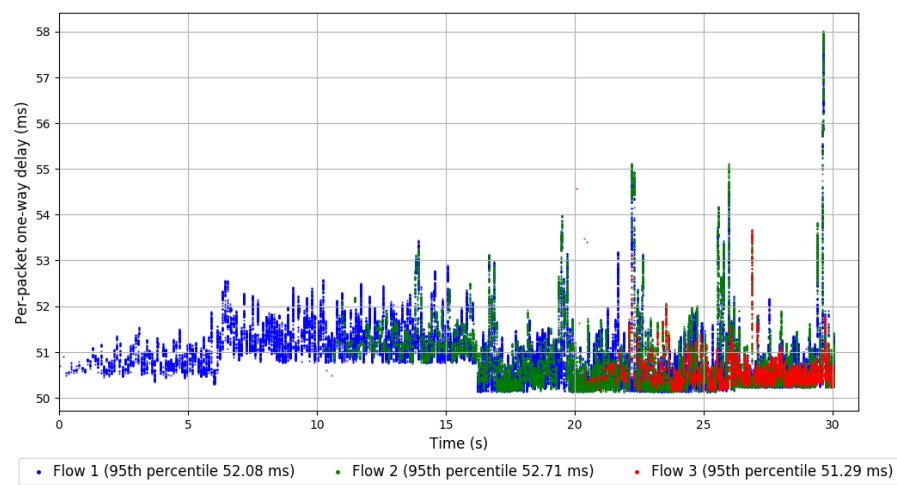
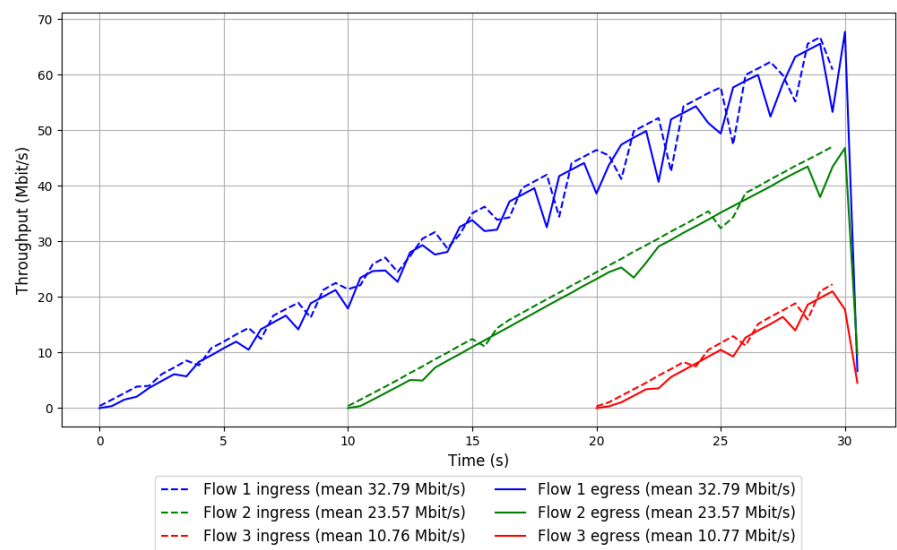
-- Flow 3:

Average throughput: 10.77 Mbit/s

95th percentile per-packet one-way delay: 51.290 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-05 21:49:43

End at: 2018-07-05 21:50:13

Local clock offset: -0.164 ms

Remote clock offset: 1.248 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 53.464 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.94 Mbit/s

95th percentile per-packet one-way delay: 53.456 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 53.682 ms

Loss rate: 0.00%

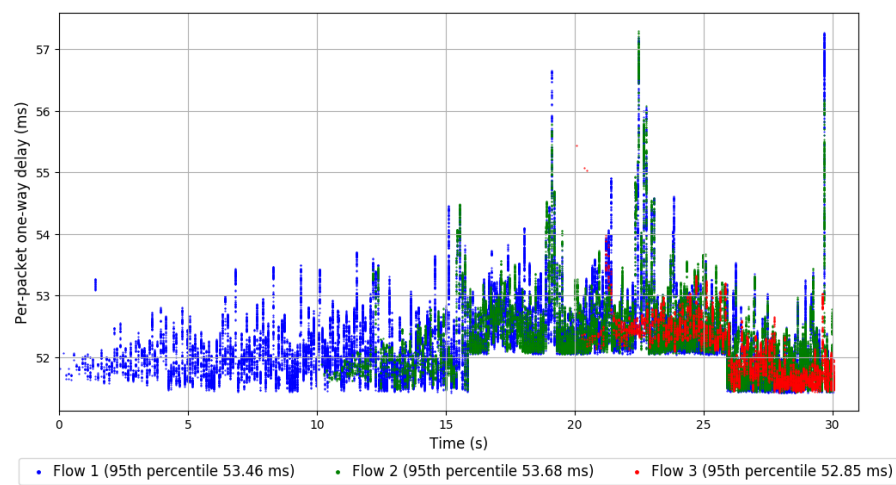
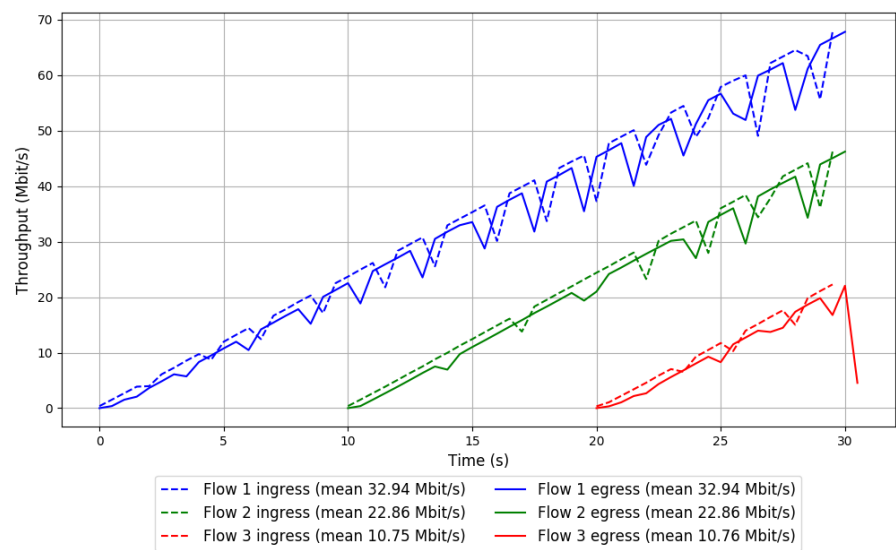
-- Flow 3:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 52.850 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-07-05 22:14:51

End at: 2018-07-05 22:15:21

Local clock offset: -0.212 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-07-06 00:38:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: 53.503 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.71 Mbit/s

95th percentile per-packet one-way delay: 51.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 0.00%

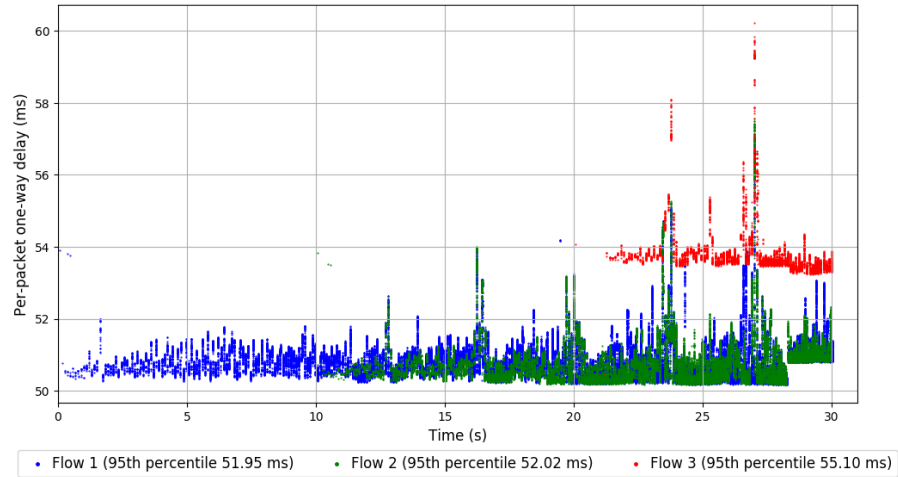
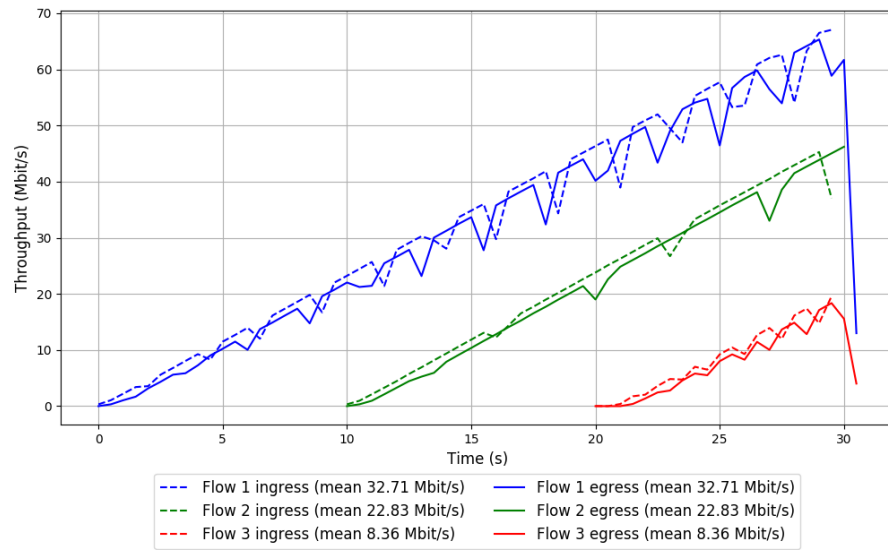
-- Flow 3:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 55.102 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link

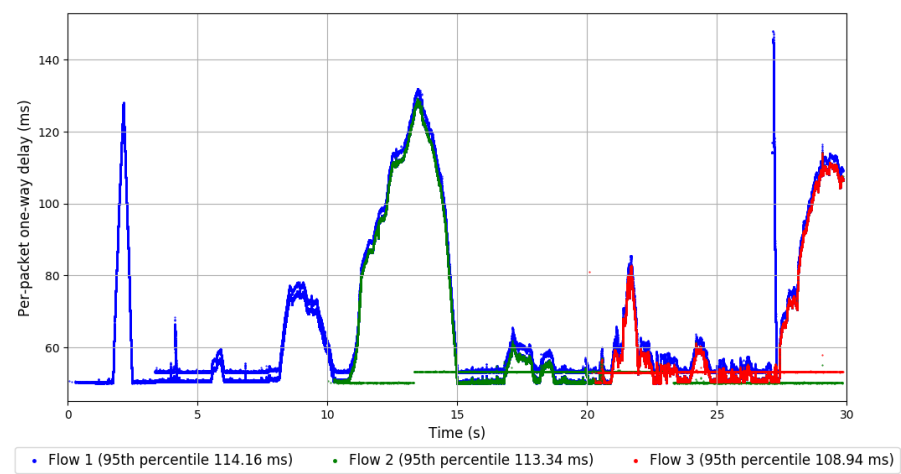
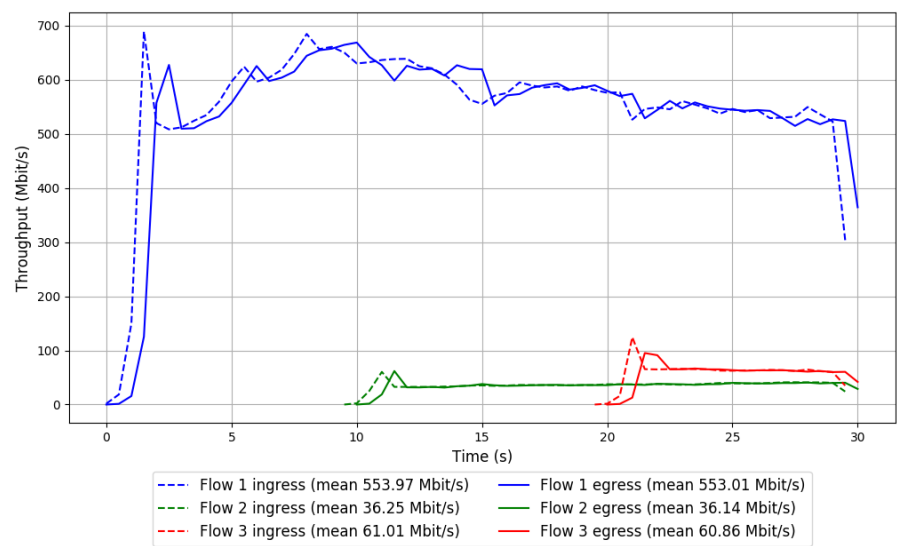


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-05 18:27:35
End at: 2018-07-05 18:28:05
Local clock offset: -0.096 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-07-06 00:40:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 597.01 Mbit/s
95th percentile per-packet one-way delay: 113.370 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 553.01 Mbit/s
95th percentile per-packet one-way delay: 114.158 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 113.336 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 108.945 ms
Loss rate: 0.52%
```

Run 1: Report of PCC-Allegro — Data Link

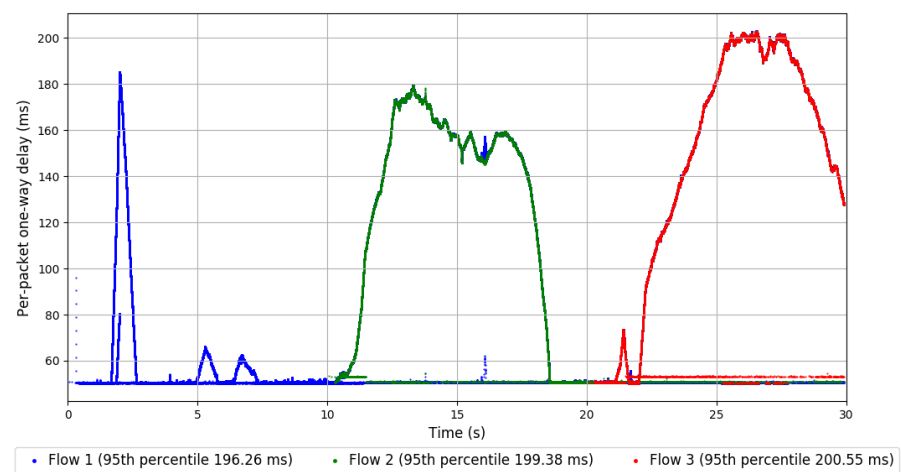
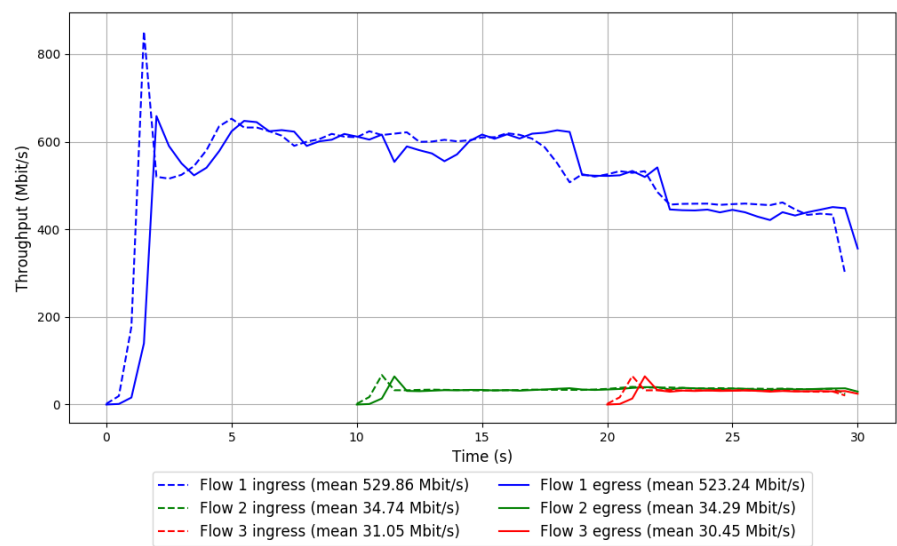


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-05 18:52:07
End at: 2018-07-05 18:52:37
Local clock offset: -0.017 ms
Remote clock offset: -0.173 ms

Below is generated by plot.py at 2018-07-06 00:40:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 556.06 Mbit/s
95th percentile per-packet one-way delay: 197.089 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 523.24 Mbit/s
95th percentile per-packet one-way delay: 196.262 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 34.29 Mbit/s
95th percentile per-packet one-way delay: 199.379 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 30.45 Mbit/s
95th percentile per-packet one-way delay: 200.552 ms
Loss rate: 1.94%

Run 2: Report of PCC-Allegro — Data Link

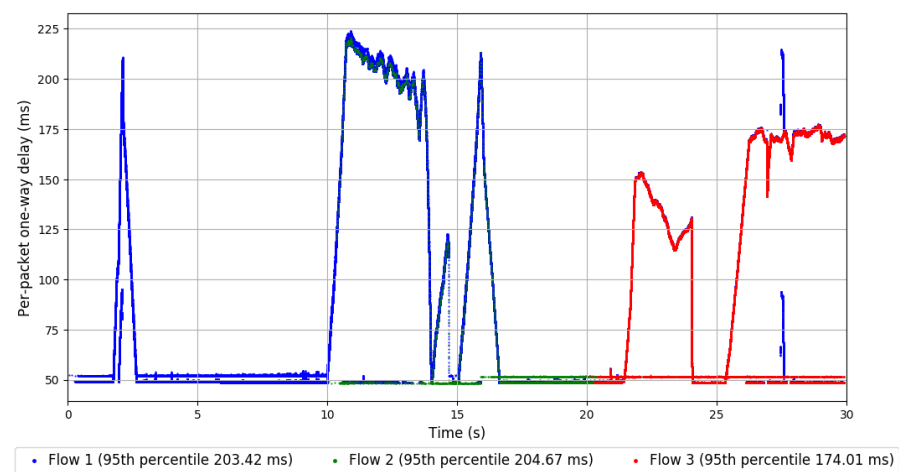
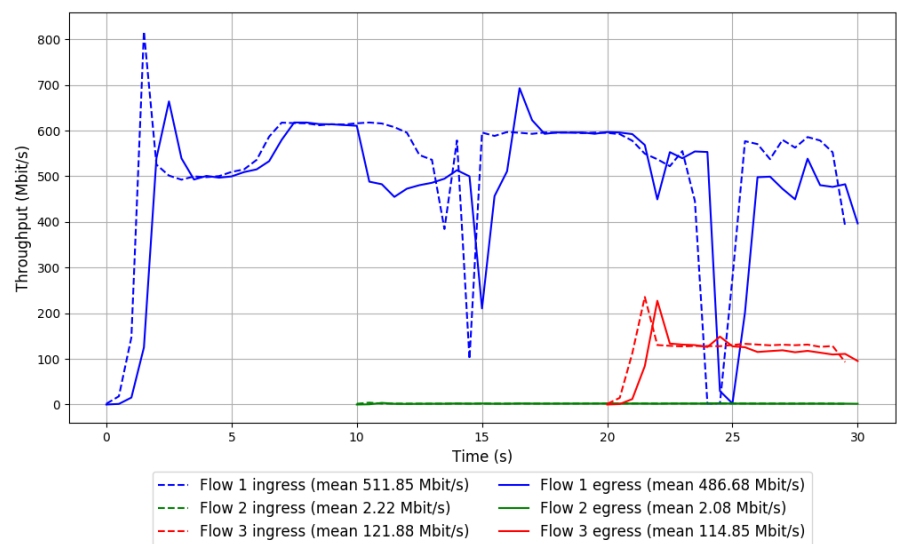


Run 3: Statistics of PCC-Allegro

Start at: 2018-07-05 19:17:13
End at: 2018-07-05 19:17:43
Local clock offset: 0.073 ms
Remote clock offset: -1.502 ms

Below is generated by plot.py at 2018-07-06 00:40:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 525.87 Mbit/s
95th percentile per-packet one-way delay: 202.165 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 486.68 Mbit/s
95th percentile per-packet one-way delay: 203.417 ms
Loss rate: 4.92%
-- Flow 2:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 204.666 ms
Loss rate: 6.21%
-- Flow 3:
Average throughput: 114.85 Mbit/s
95th percentile per-packet one-way delay: 174.007 ms
Loss rate: 5.78%

Run 3: Report of PCC-Allegro — Data Link

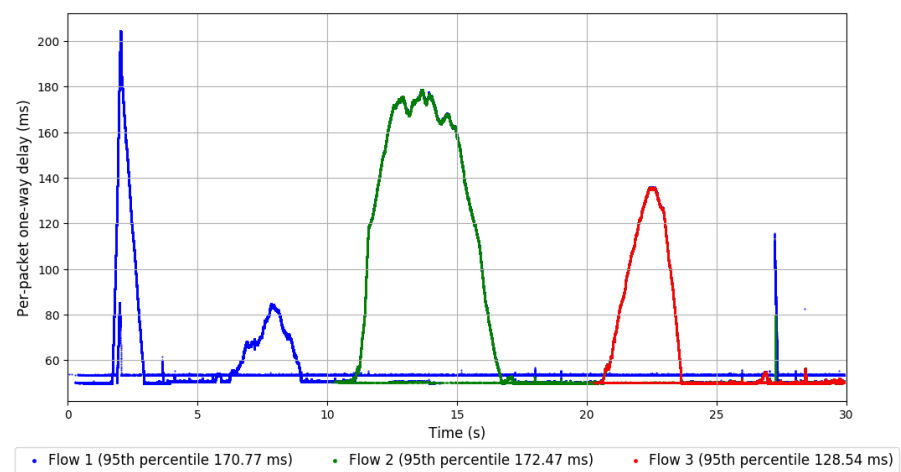
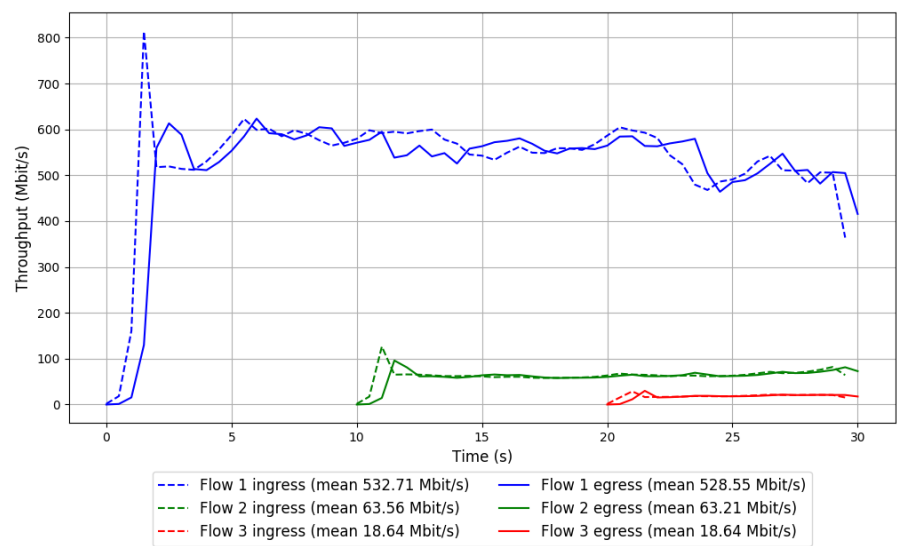


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-05 19:41:55
End at: 2018-07-05 19:42:25
Local clock offset: -0.113 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-06 00:40:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 576.65 Mbit/s
95th percentile per-packet one-way delay: 170.898 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 528.55 Mbit/s
95th percentile per-packet one-way delay: 170.766 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 63.21 Mbit/s
95th percentile per-packet one-way delay: 172.472 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 128.545 ms
Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-05 20:06:46

End at: 2018-07-05 20:07:16

Local clock offset: 0.061 ms

Remote clock offset: 0.192 ms

Below is generated by plot.py at 2018-07-06 00:41:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 583.79 Mbit/s

95th percentile per-packet one-way delay: 168.506 ms

Loss rate: 1.12%

-- Flow 1:

Average throughput: 516.53 Mbit/s

95th percentile per-packet one-way delay: 168.631 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 168.726 ms

Loss rate: 1.04%

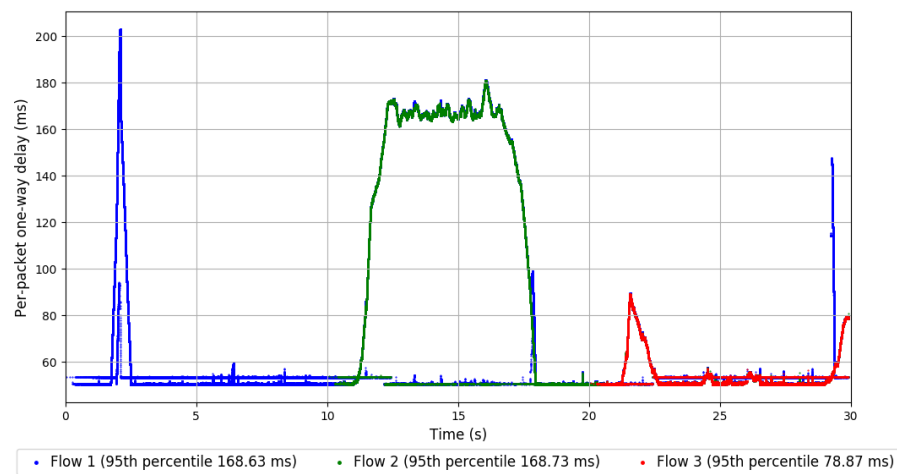
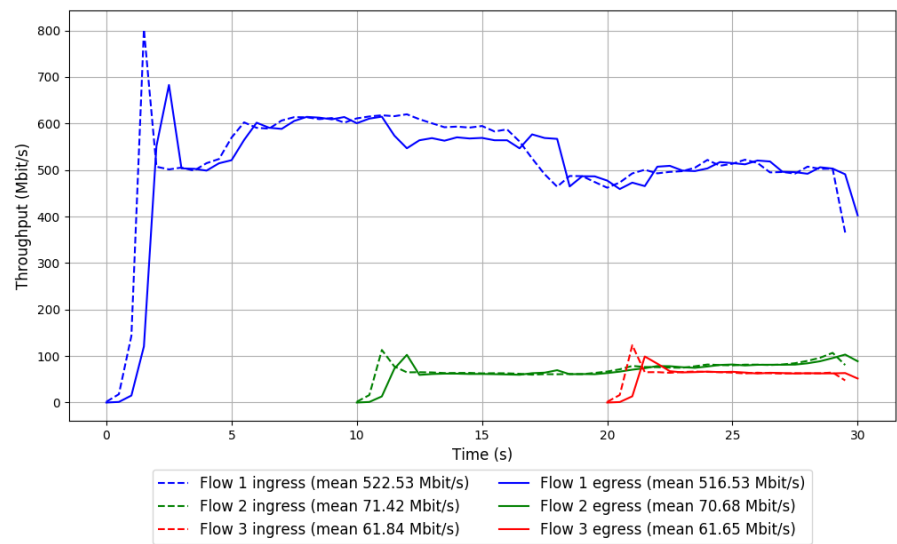
-- Flow 3:

Average throughput: 61.65 Mbit/s

95th percentile per-packet one-way delay: 78.871 ms

Loss rate: 0.30%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-05 20:31:58

End at: 2018-07-05 20:32:28

Local clock offset: 0.077 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-06 00:42:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 582.38 Mbit/s

95th percentile per-packet one-way delay: 171.071 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 548.27 Mbit/s

95th percentile per-packet one-way delay: 170.923 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 36.12 Mbit/s

95th percentile per-packet one-way delay: 171.760 ms

Loss rate: 1.09%

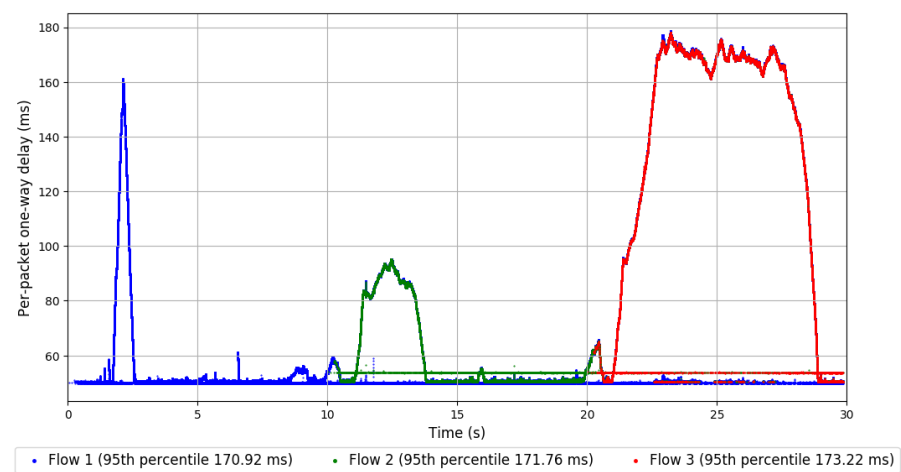
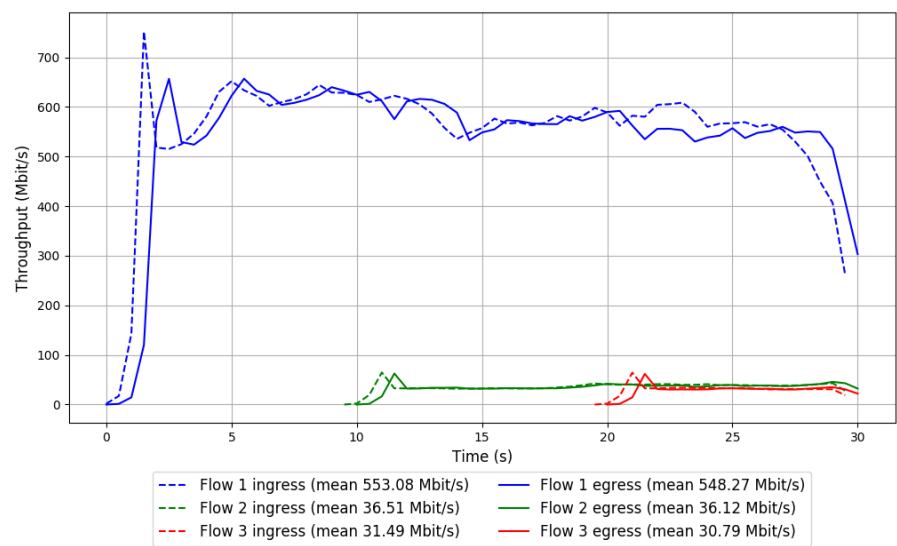
-- Flow 3:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 173.225 ms

Loss rate: 2.20%

Run 6: Report of PCC-Allegro — Data Link

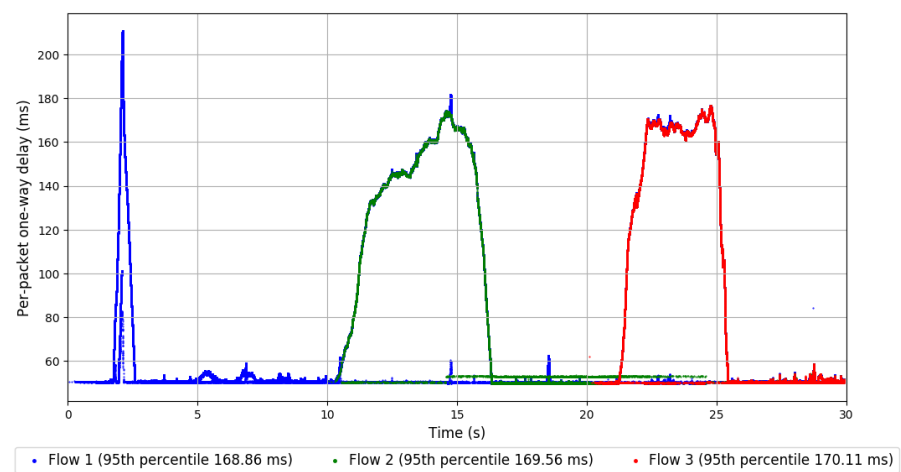
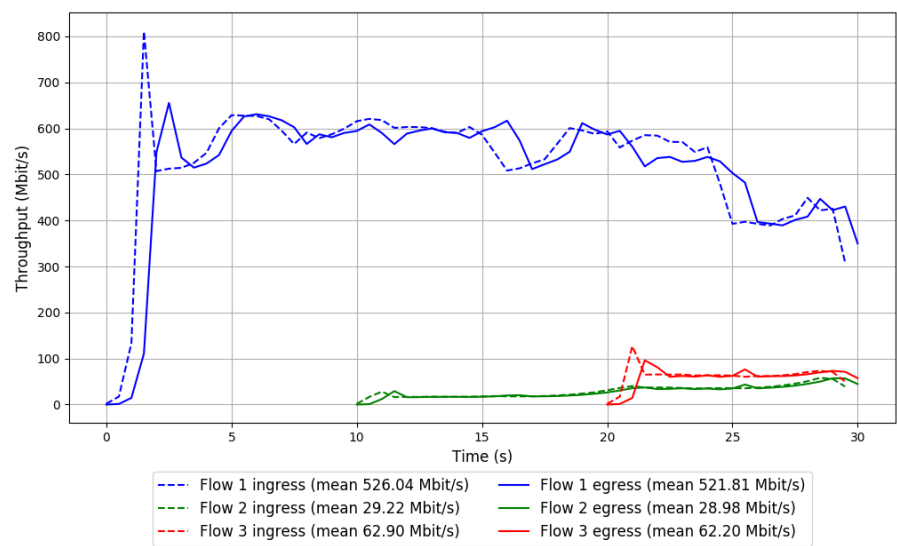


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-05 20:57:04
End at: 2018-07-05 20:57:34
Local clock offset: 0.069 ms
Remote clock offset: -0.108 ms

Below is generated by plot.py at 2018-07-06 00:42:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 561.53 Mbit/s
95th percentile per-packet one-way delay: 168.997 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 521.81 Mbit/s
95th percentile per-packet one-way delay: 168.857 ms
Loss rate: 0.80%
-- Flow 2:
Average throughput: 28.98 Mbit/s
95th percentile per-packet one-way delay: 169.557 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 62.20 Mbit/s
95th percentile per-packet one-way delay: 170.111 ms
Loss rate: 1.23%

Run 7: Report of PCC-Allegro — Data Link

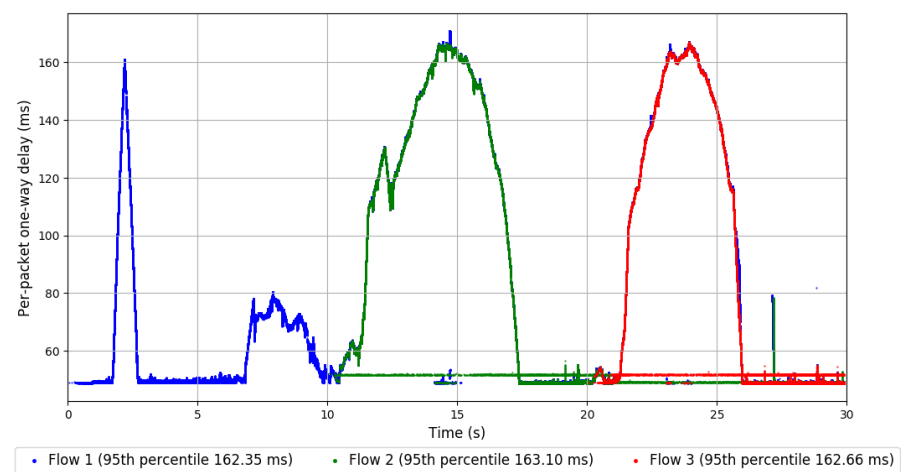
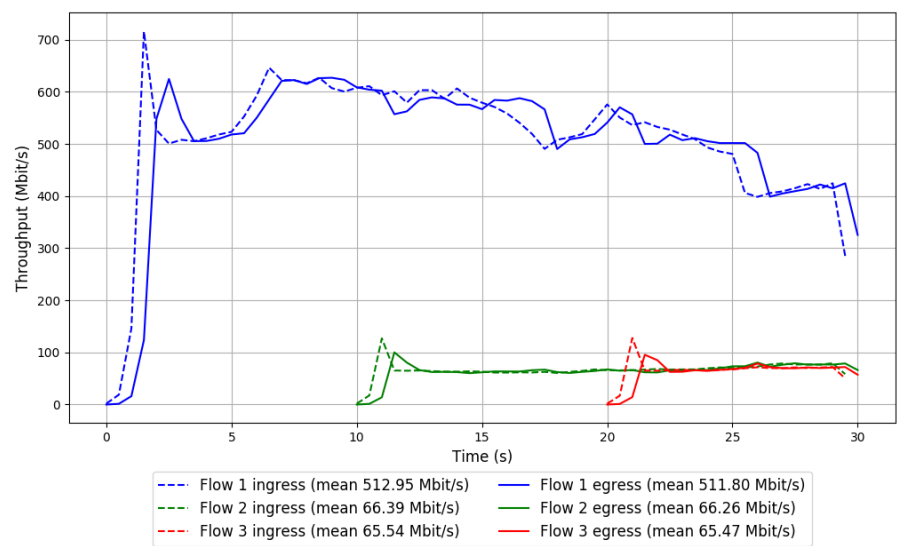


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-05 21:21:58
End at: 2018-07-05 21:22:28
Local clock offset: 0.019 ms
Remote clock offset: -1.294 ms

Below is generated by plot.py at 2018-07-06 00:48:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 577.41 Mbit/s
95th percentile per-packet one-way delay: 162.433 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 511.80 Mbit/s
95th percentile per-packet one-way delay: 162.349 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 163.104 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 162.655 ms
Loss rate: 0.10%

Run 8: Report of PCC-Allegro — Data Link

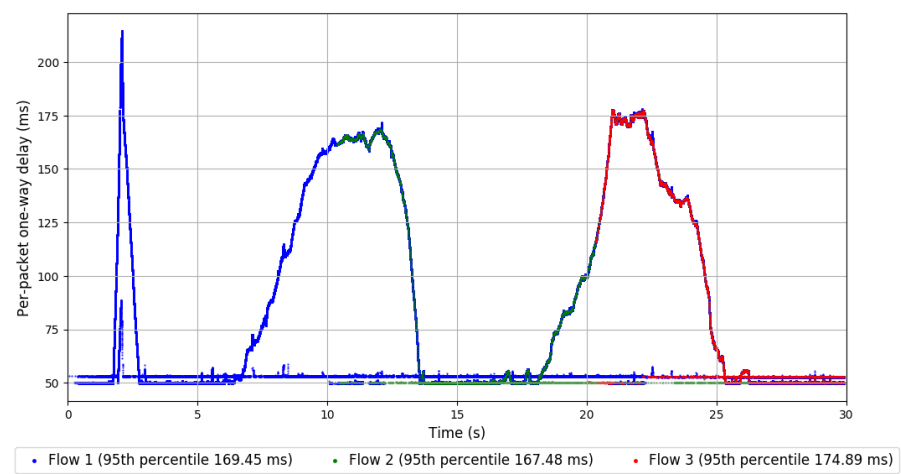
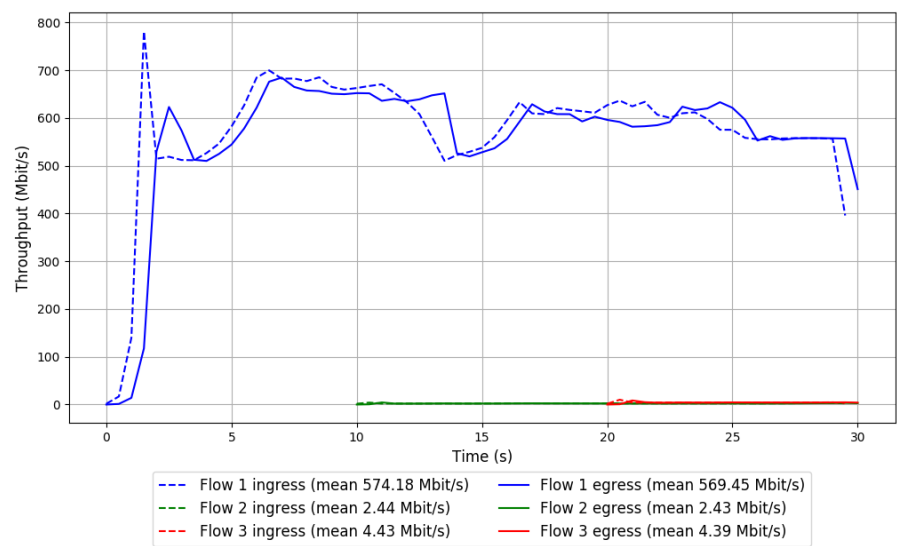


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-05 21:46:37
End at: 2018-07-05 21:47:07
Local clock offset: -0.013 ms
Remote clock offset: -0.267 ms

Below is generated by plot.py at 2018-07-06 00:49:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 572.51 Mbit/s
95th percentile per-packet one-way delay: 169.567 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 569.45 Mbit/s
95th percentile per-packet one-way delay: 169.452 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 167.480 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 174.893 ms
Loss rate: 0.91%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-07-05 22:11:47

End at: 2018-07-05 22:12:17

Local clock offset: 0.037 ms

Remote clock offset: 0.081 ms

Below is generated by plot.py at 2018-07-06 00:49:32

Datalink statistics

-- Total of 3 flows:

Average throughput: 587.49 Mbit/s

95th percentile per-packet one-way delay: 197.190 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 531.76 Mbit/s

95th percentile per-packet one-way delay: 197.550 ms

Loss rate: 2.42%

-- Flow 2:

Average throughput: 55.56 Mbit/s

95th percentile per-packet one-way delay: 170.639 ms

Loss rate: 2.13%

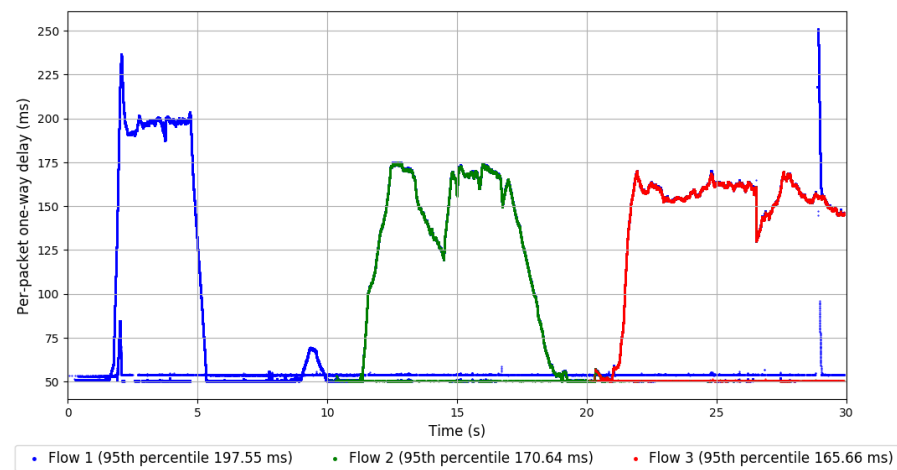
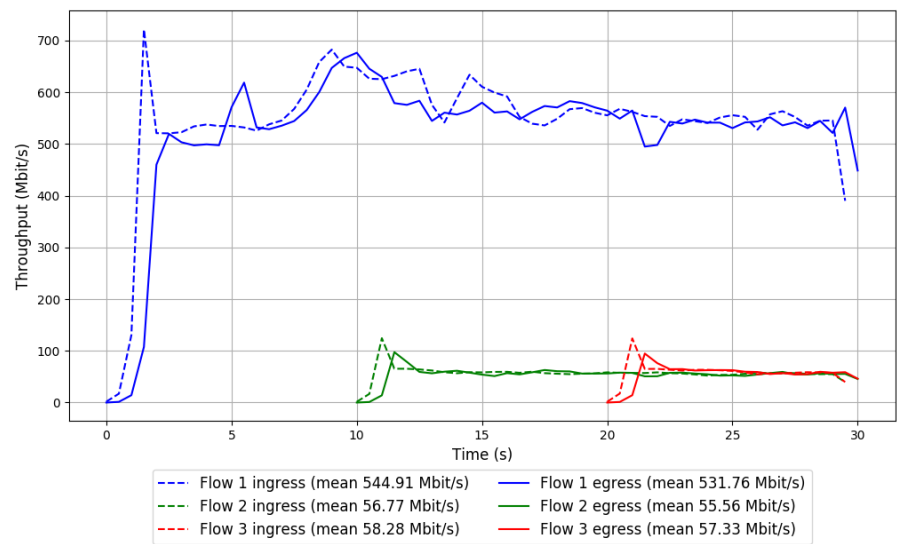
-- Flow 3:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 165.660 ms

Loss rate: 1.60%

Run 10: Report of PCC-Allegro — Data Link

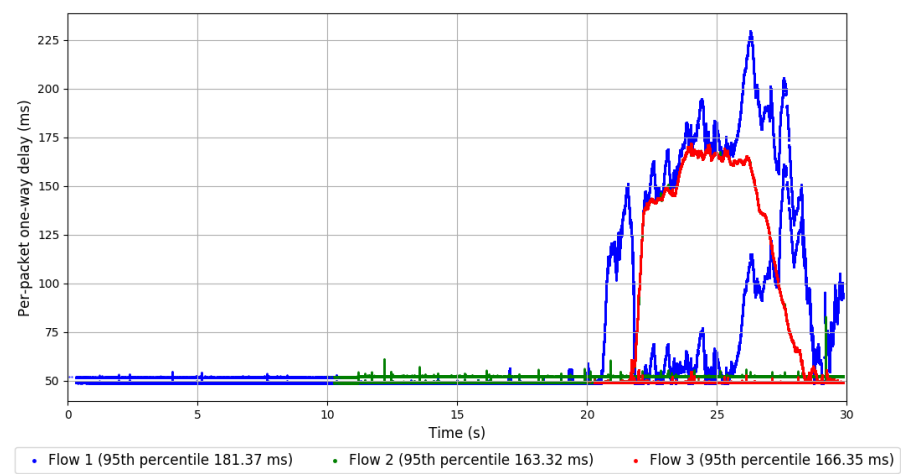
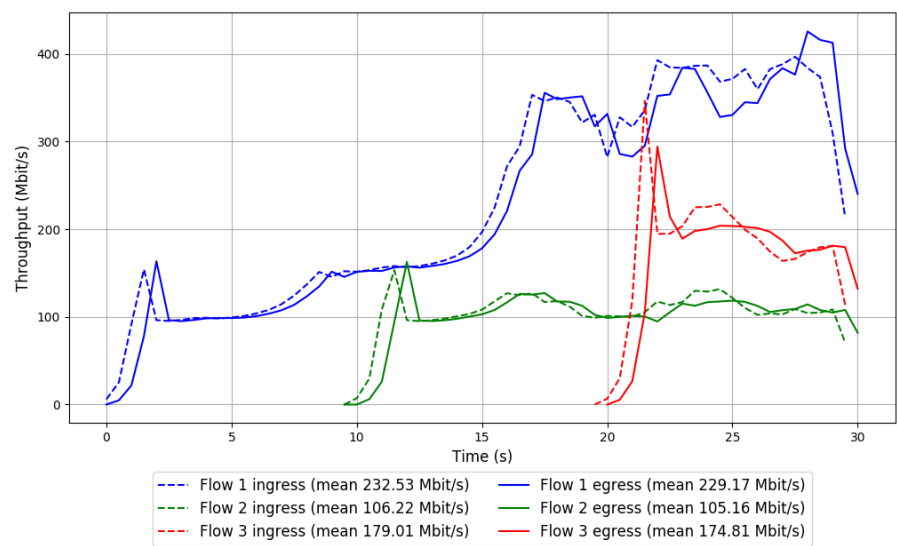


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-05 18:37:37
End at: 2018-07-05 18:38:07
Local clock offset: 0.048 ms
Remote clock offset: -1.371 ms

# Below is generated by plot.py at 2018-07-06 00:51:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.04 Mbit/s
95th percentile per-packet one-way delay: 170.718 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 229.17 Mbit/s
95th percentile per-packet one-way delay: 181.365 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 105.16 Mbit/s
95th percentile per-packet one-way delay: 163.324 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 174.81 Mbit/s
95th percentile per-packet one-way delay: 166.346 ms
Loss rate: 2.35%
```


Run 1: Report of PCC-Expr — Data Link

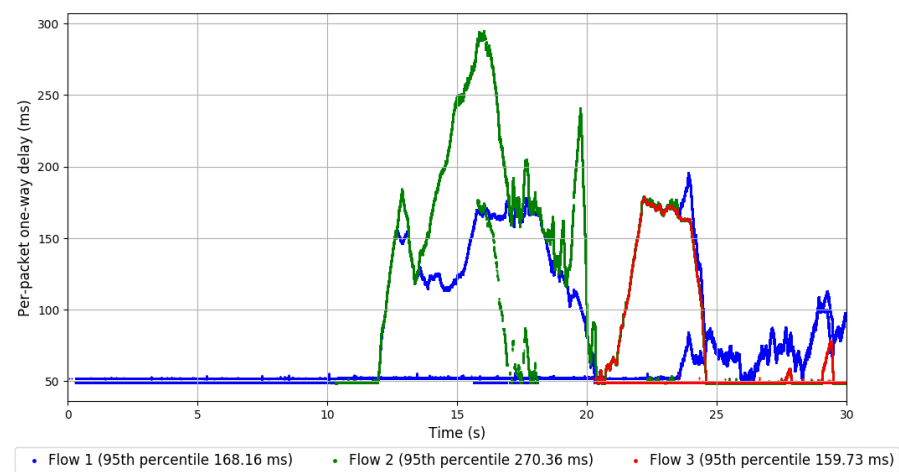
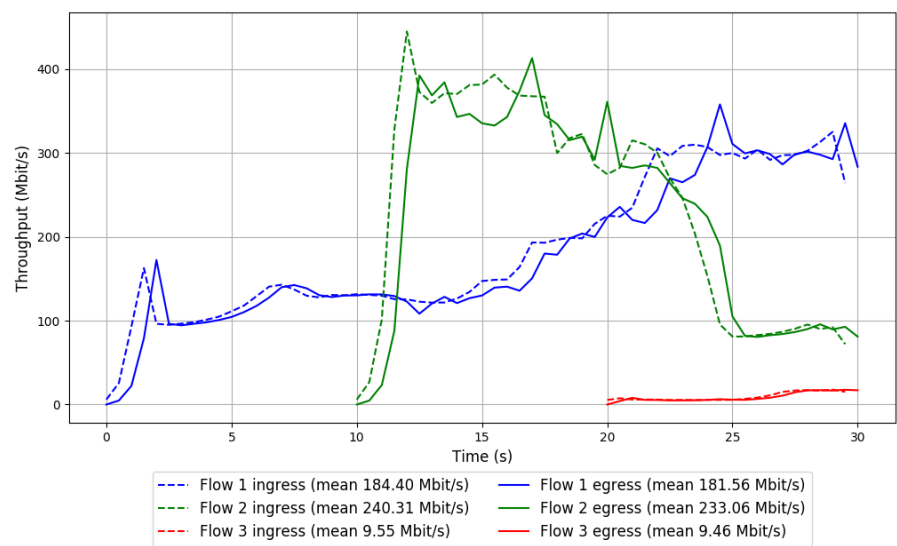


Run 2: Statistics of PCC-Expr

Start at: 2018-07-05 19:02:08
End at: 2018-07-05 19:02:38
Local clock offset: -0.108 ms
Remote clock offset: -1.428 ms

Below is generated by plot.py at 2018-07-06 00:51:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 339.70 Mbit/s
95th percentile per-packet one-way delay: 246.199 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 181.56 Mbit/s
95th percentile per-packet one-way delay: 168.159 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 233.06 Mbit/s
95th percentile per-packet one-way delay: 270.361 ms
Loss rate: 3.02%
-- Flow 3:
Average throughput: 9.46 Mbit/s
95th percentile per-packet one-way delay: 159.729 ms
Loss rate: 0.94%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-05 19:27:28

End at: 2018-07-05 19:27:58

Local clock offset: -0.11 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-06 00:51:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.41 Mbit/s

95th percentile per-packet one-way delay: 53.767 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 142.09 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 104.35 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

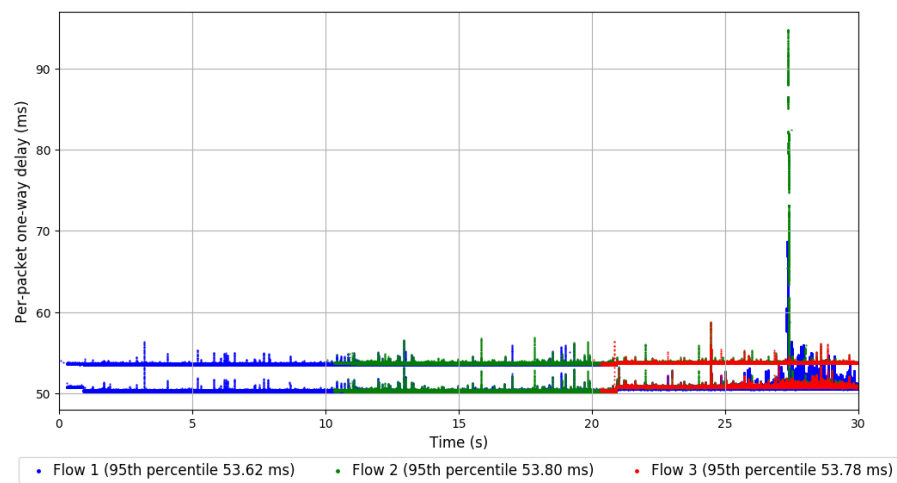
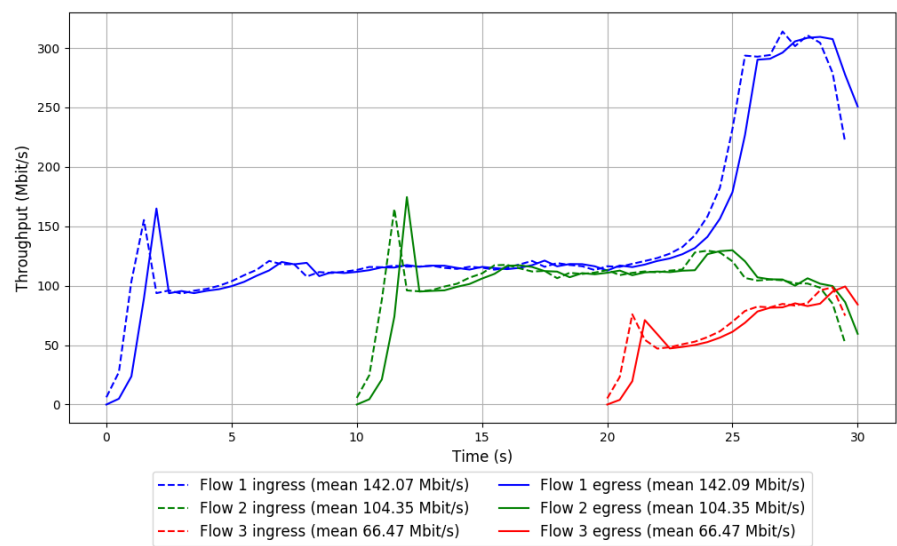
-- Flow 3:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 53.782 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-05 19:52:08

End at: 2018-07-05 19:52:38

Local clock offset: 0.075 ms

Remote clock offset: 0.164 ms

Below is generated by plot.py at 2018-07-06 00:55:20

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.83 Mbit/s

95th percentile per-packet one-way delay: 62.480 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 285.62 Mbit/s

95th percentile per-packet one-way delay: 68.073 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.95 Mbit/s

95th percentile per-packet one-way delay: 54.286 ms

Loss rate: 0.00%

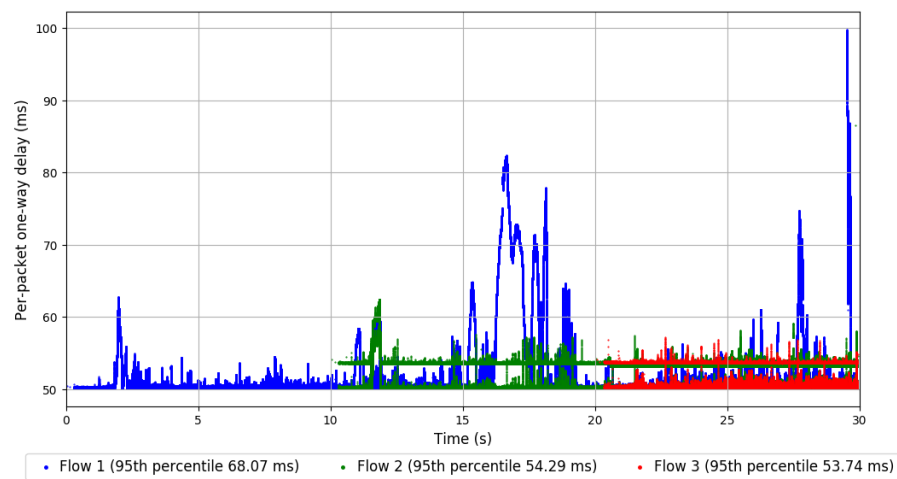
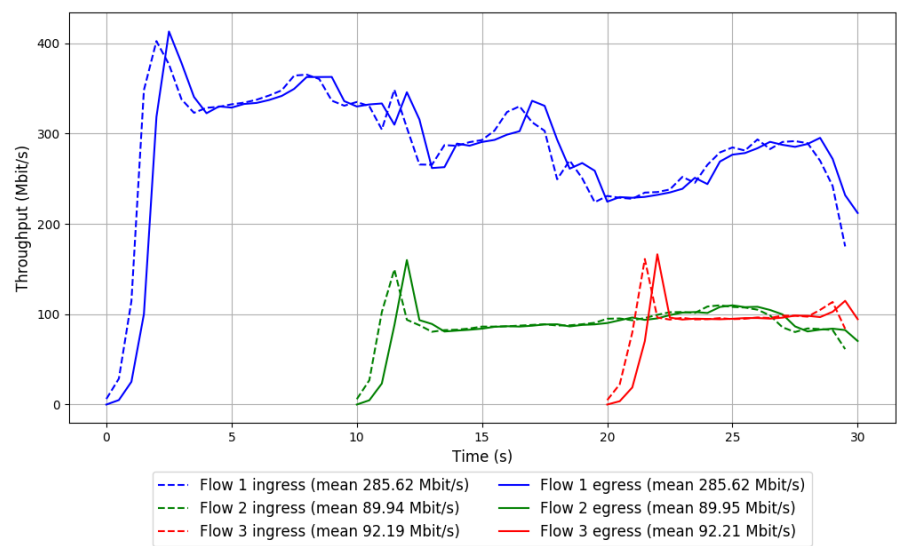
-- Flow 3:

Average throughput: 92.21 Mbit/s

95th percentile per-packet one-way delay: 53.740 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-05 20:16:41

End at: 2018-07-05 20:17:11

Local clock offset: -0.06 ms

Remote clock offset: 0.074 ms

Below is generated by plot.py at 2018-07-06 00:56:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 410.50 Mbit/s

95th percentile per-packet one-way delay: 180.079 ms

Loss rate: 2.22%

-- Flow 1:

Average throughput: 280.36 Mbit/s

95th percentile per-packet one-way delay: 173.280 ms

Loss rate: 1.45%

-- Flow 2:

Average throughput: 132.82 Mbit/s

95th percentile per-packet one-way delay: 182.445 ms

Loss rate: 2.97%

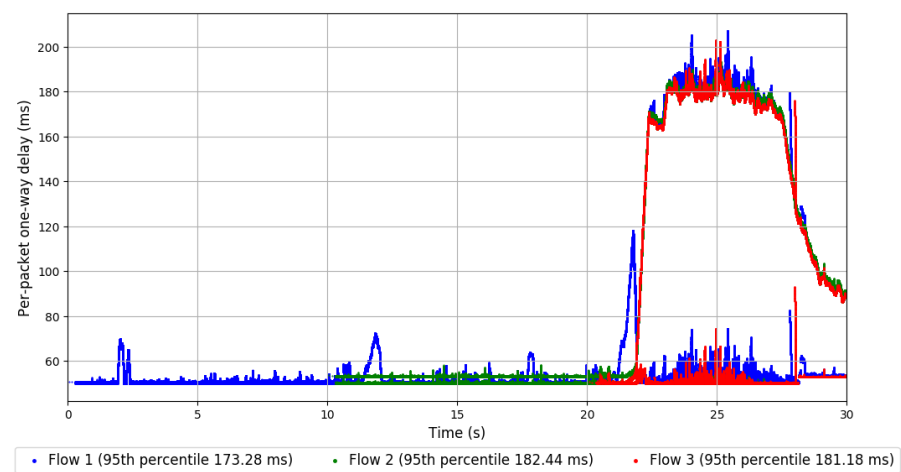
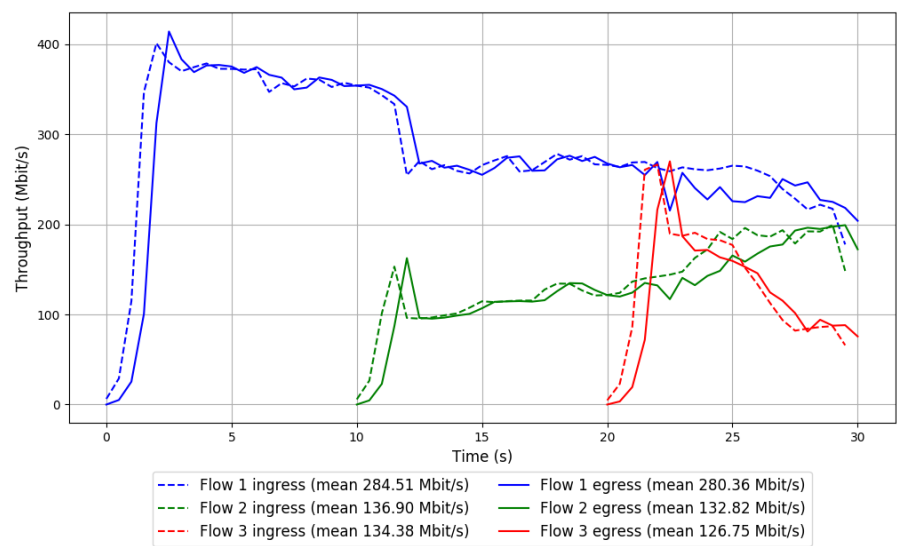
-- Flow 3:

Average throughput: 126.75 Mbit/s

95th percentile per-packet one-way delay: 181.175 ms

Loss rate: 5.63%

Run 5: Report of PCC-Expr — Data Link

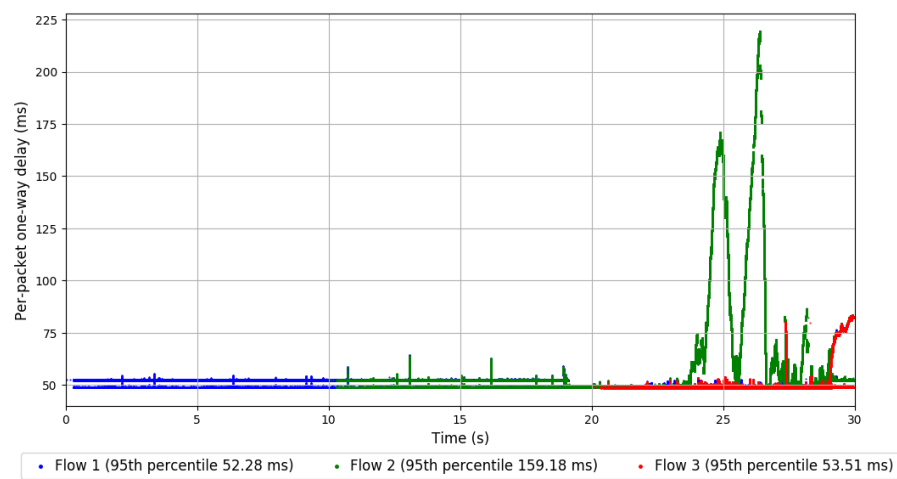
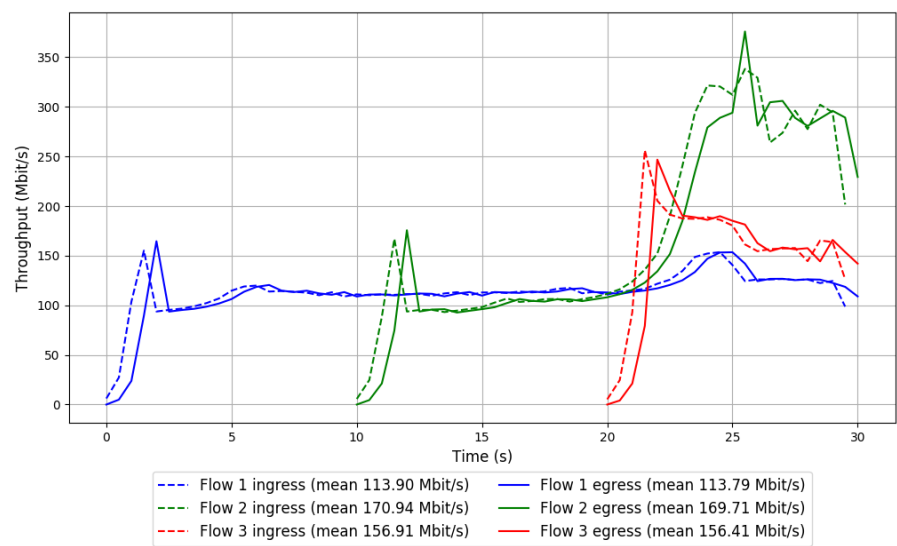


Run 6: Statistics of PCC-Expr

Start at: 2018-07-05 20:42:10
End at: 2018-07-05 20:42:40
Local clock offset: -0.191 ms
Remote clock offset: -1.475 ms

Below is generated by plot.py at 2018-07-06 00:57:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.23 Mbit/s
95th percentile per-packet one-way delay: 114.656 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 113.79 Mbit/s
95th percentile per-packet one-way delay: 52.278 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 169.71 Mbit/s
95th percentile per-packet one-way delay: 159.179 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 156.41 Mbit/s
95th percentile per-packet one-way delay: 53.508 ms
Loss rate: 0.30%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-05 21:07:07

End at: 2018-07-05 21:07:37

Local clock offset: -0.206 ms

Remote clock offset: 1.243 ms

Below is generated by plot.py at 2018-07-06 01:02:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 393.28 Mbit/s

95th percentile per-packet one-way delay: 272.719 ms

Loss rate: 4.53%

-- Flow 1:

Average throughput: 297.83 Mbit/s

95th percentile per-packet one-way delay: 325.486 ms

Loss rate: 4.96%

-- Flow 2:

Average throughput: 103.93 Mbit/s

95th percentile per-packet one-way delay: 207.323 ms

Loss rate: 2.44%

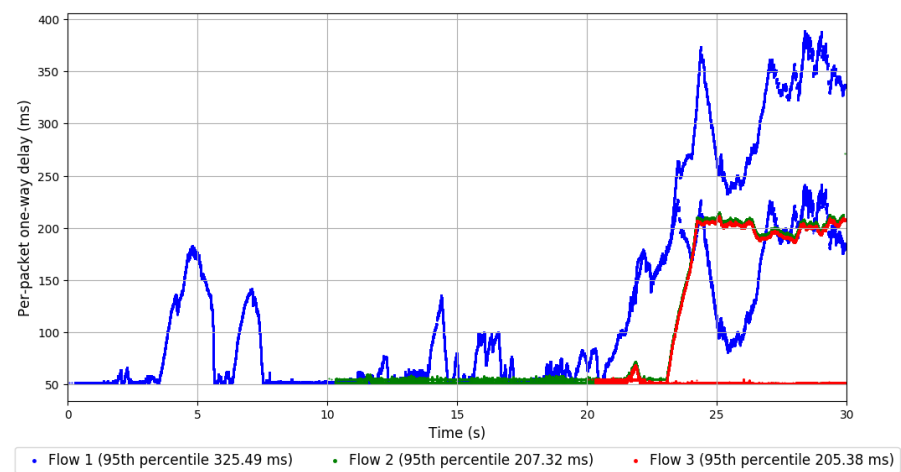
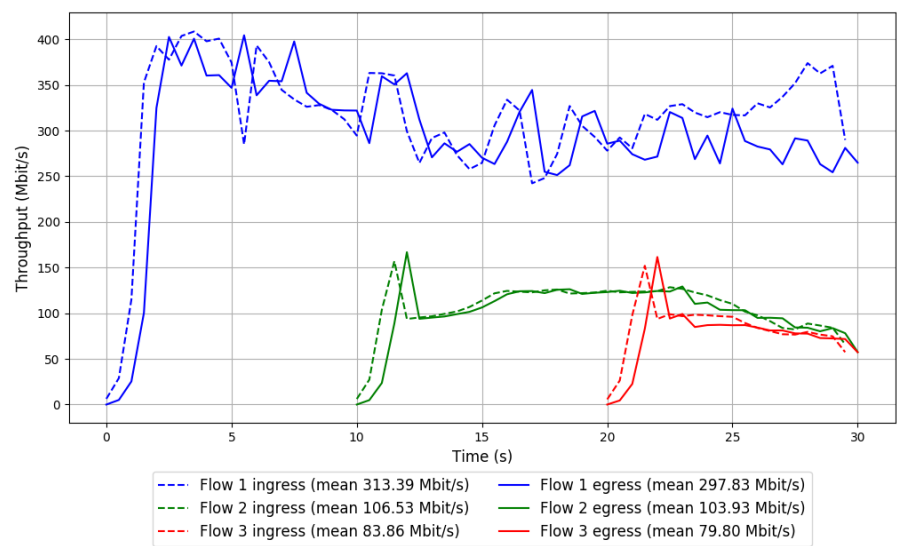
-- Flow 3:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 205.375 ms

Loss rate: 4.92%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-07-05 21:31:59

End at: 2018-07-05 21:32:29

Local clock offset: -0.097 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-06 01:02:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.00 Mbit/s

95th percentile per-packet one-way delay: 55.398 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 125.60 Mbit/s

95th percentile per-packet one-way delay: 53.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 224.17 Mbit/s

95th percentile per-packet one-way delay: 58.959 ms

Loss rate: 0.01%

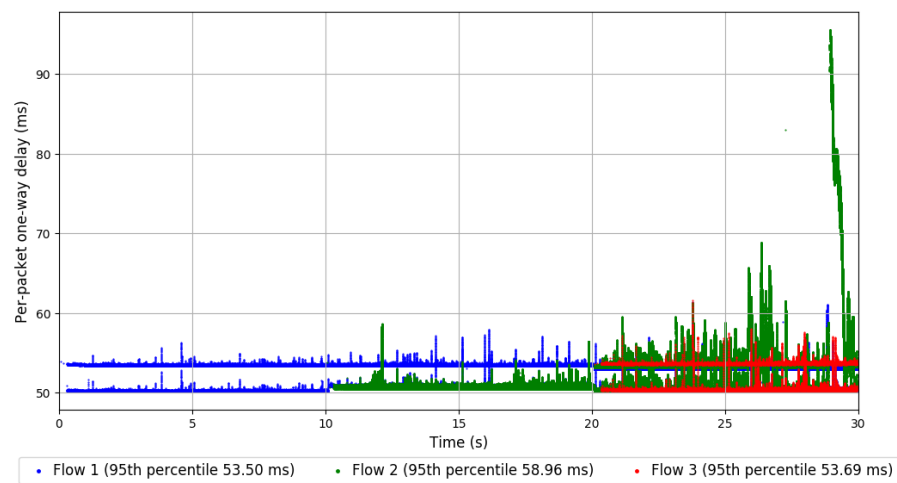
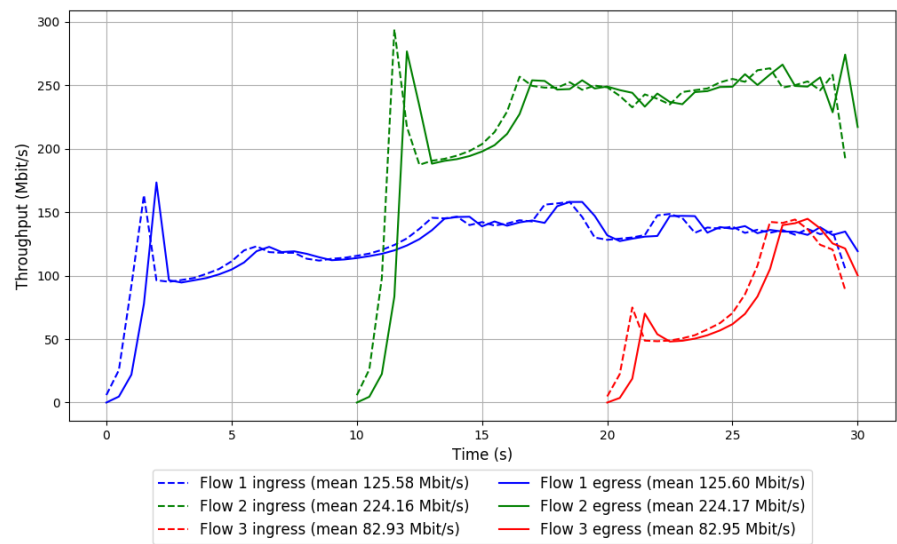
-- Flow 3:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 53.688 ms

Loss rate: 0.01%

Run 8: Report of PCC-Expr — Data Link

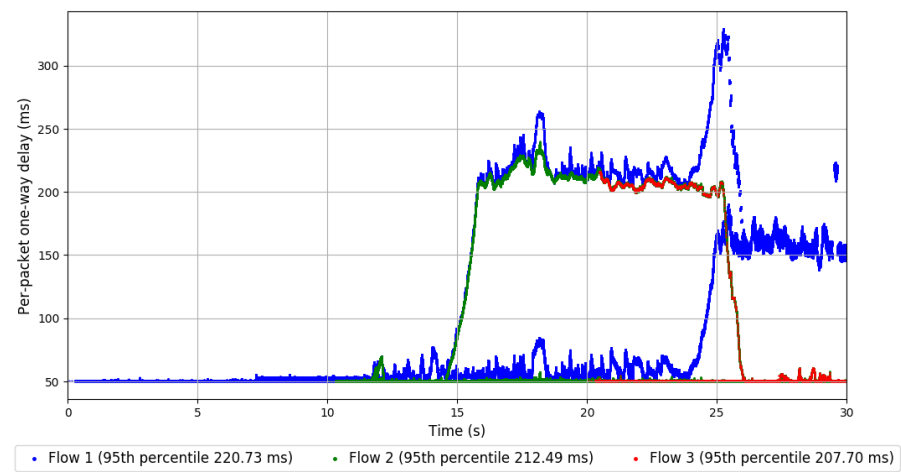
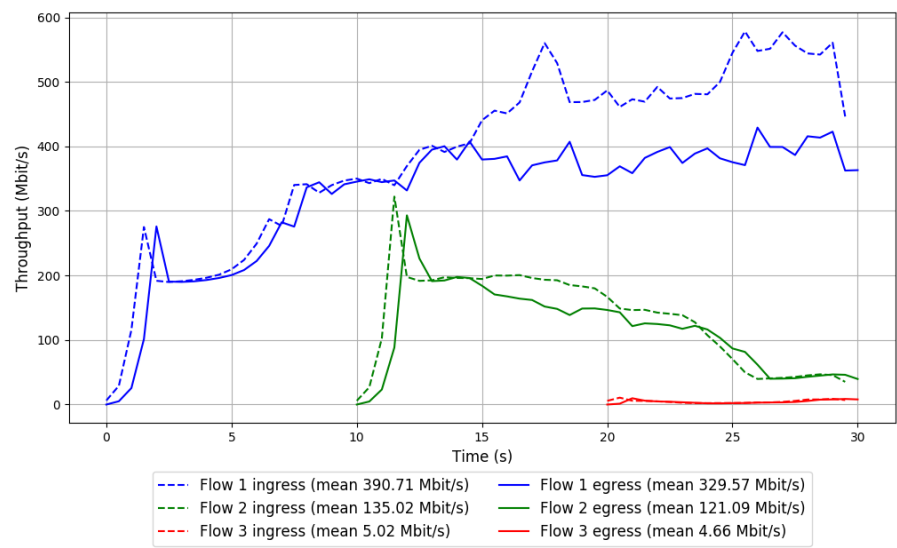


Run 9: Statistics of PCC-Expr

Start at: 2018-07-05 21:56:51
End at: 2018-07-05 21:57:21
Local clock offset: -0.058 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 411.64 Mbit/s
95th percentile per-packet one-way delay: 219.098 ms
Loss rate: 14.63%
-- Flow 1:
Average throughput: 329.57 Mbit/s
95th percentile per-packet one-way delay: 220.732 ms
Loss rate: 15.65%
-- Flow 2:
Average throughput: 121.09 Mbit/s
95th percentile per-packet one-way delay: 212.485 ms
Loss rate: 10.32%
-- Flow 3:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 207.698 ms
Loss rate: 7.29%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-05 22:21:59

End at: 2018-07-05 22:22:29

Local clock offset: -0.058 ms

Remote clock offset: 1.328 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 253.87 Mbit/s

95th percentile per-packet one-way delay: 55.071 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 118.68 Mbit/s

95th percentile per-packet one-way delay: 55.096 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.49 Mbit/s

95th percentile per-packet one-way delay: 54.919 ms

Loss rate: 0.00%

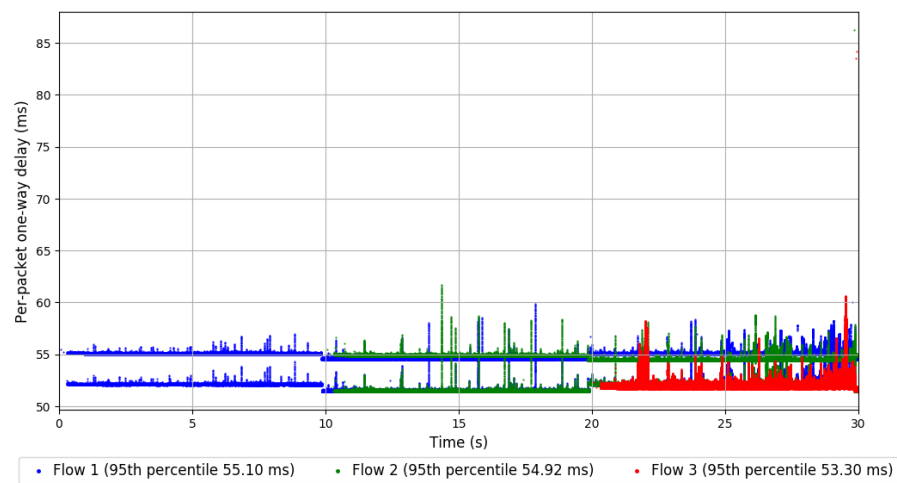
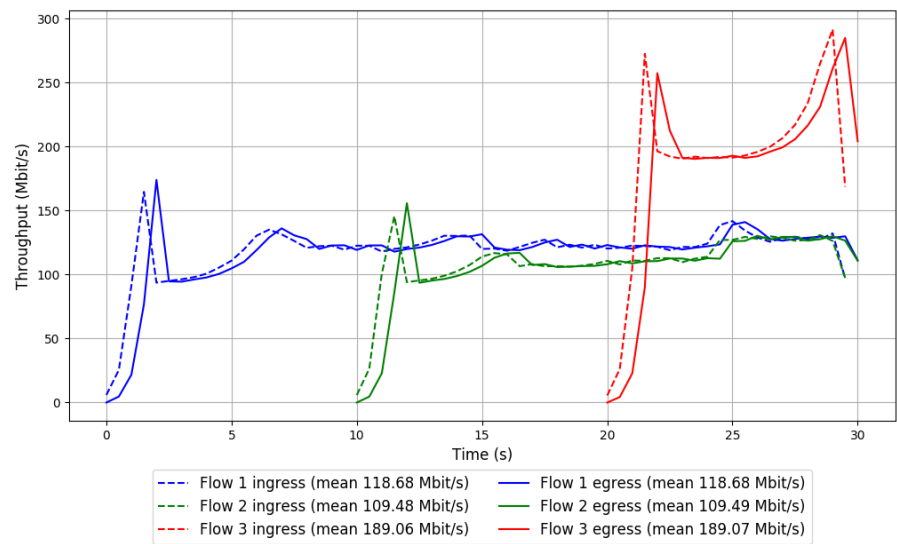
-- Flow 3:

Average throughput: 189.07 Mbit/s

95th percentile per-packet one-way delay: 53.304 ms

Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

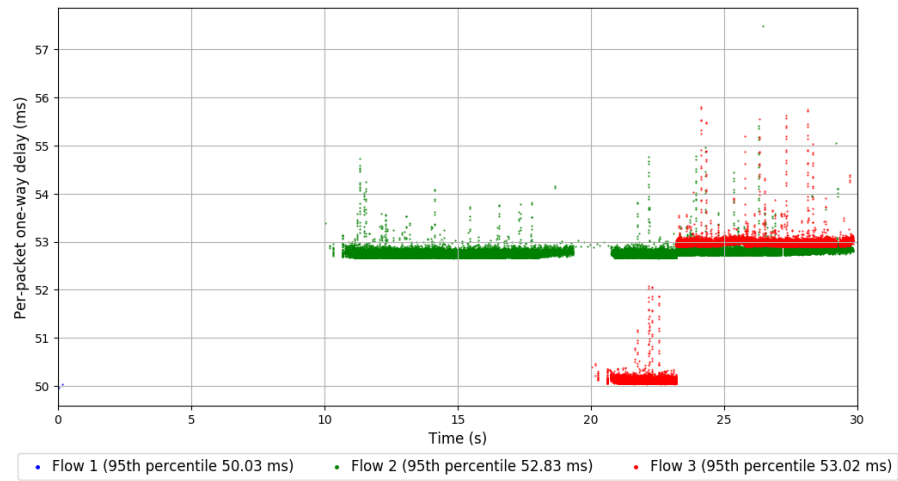
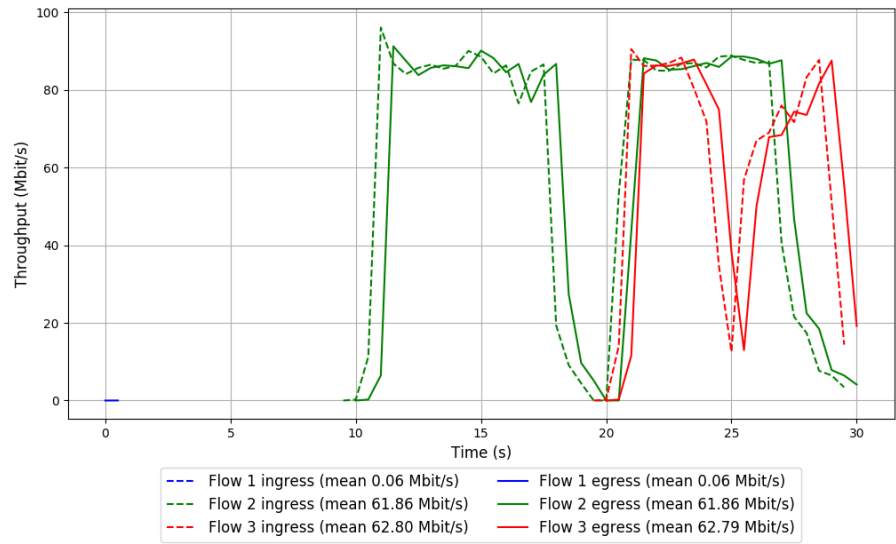


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-05 18:46:35
End at: 2018-07-05 18:47:05
Local clock offset: 0.166 ms
Remote clock offset: -0.293 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.72 Mbit/s
95th percentile per-packet one-way delay: 52.984 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 50.034 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 52.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 53.018 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-05 19:11:38

End at: 2018-07-05 19:12:08

Local clock offset: -0.005 ms

Remote clock offset: 1.268 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.02 Mbit/s

95th percentile per-packet one-way delay: 54.397 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.01 Mbit/s

95th percentile per-packet one-way delay: 54.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 51.980 ms

Loss rate: 0.00%

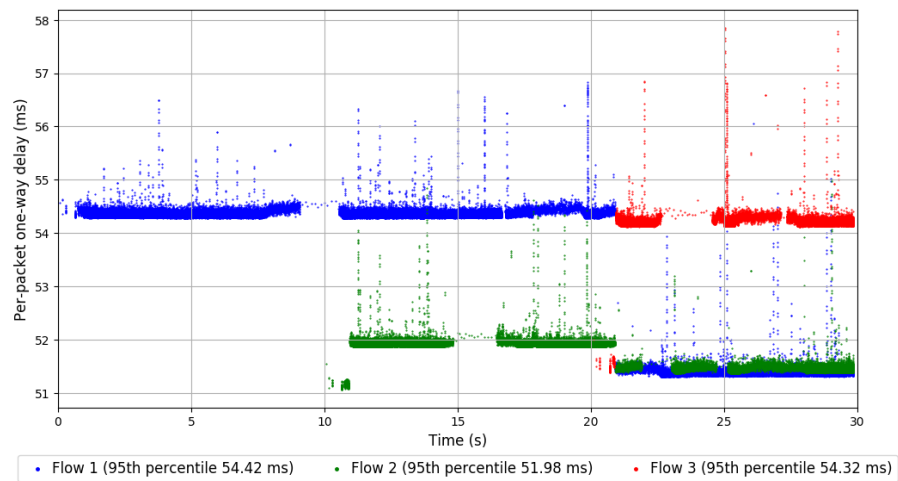
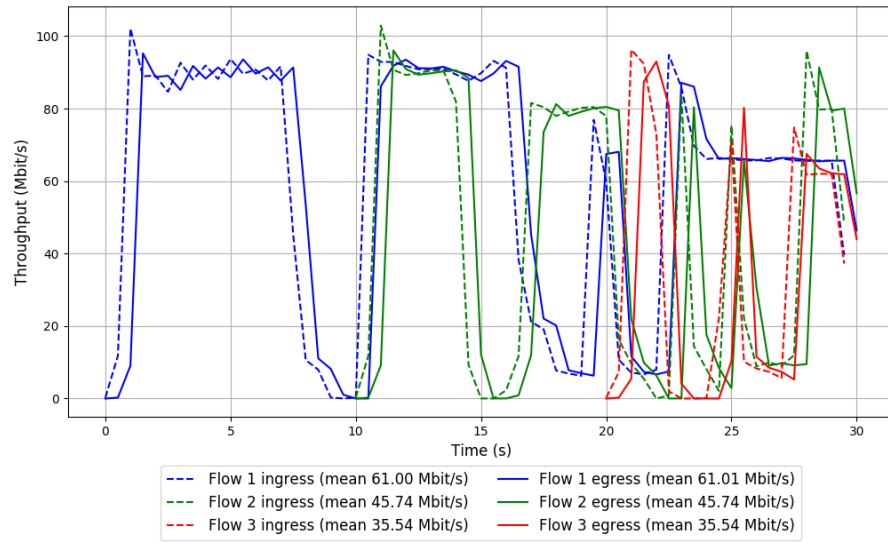
-- Flow 3:

Average throughput: 35.54 Mbit/s

95th percentile per-packet one-way delay: 54.319 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-05 19:36:15

End at: 2018-07-05 19:36:45

Local clock offset: -0.017 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 136.76 Mbit/s

95th percentile per-packet one-way delay: 54.806 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 54.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 68.11 Mbit/s

95th percentile per-packet one-way delay: 54.780 ms

Loss rate: 0.00%

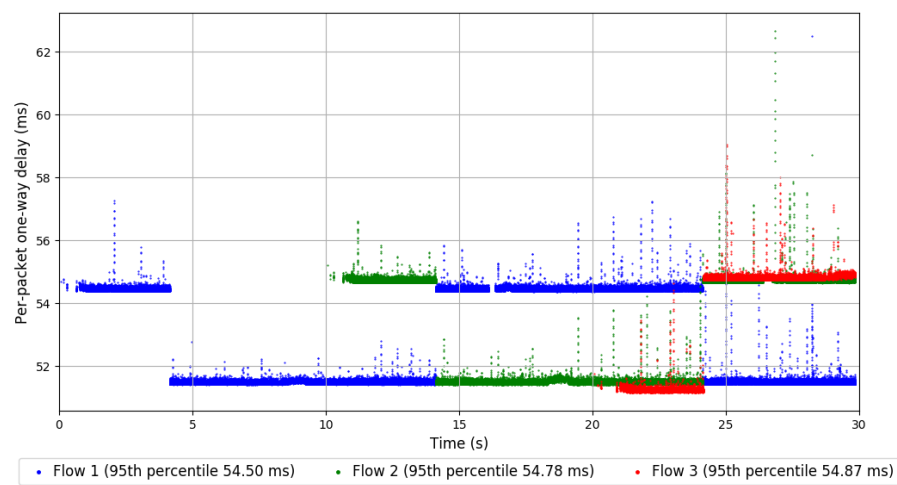
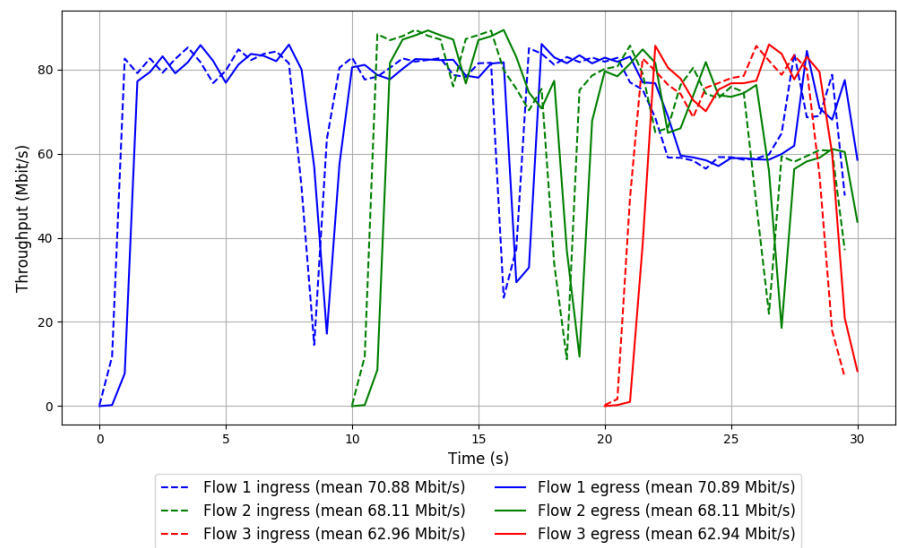
-- Flow 3:

Average throughput: 62.94 Mbit/s

95th percentile per-packet one-way delay: 54.868 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-05 20:01:10

End at: 2018-07-05 20:01:40

Local clock offset: 0.006 ms

Remote clock offset: 1.293 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 114.48 Mbit/s

95th percentile per-packet one-way delay: 54.305 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 75.00 Mbit/s

95th percentile per-packet one-way delay: 54.273 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.56 Mbit/s

95th percentile per-packet one-way delay: 54.334 ms

Loss rate: 0.02%

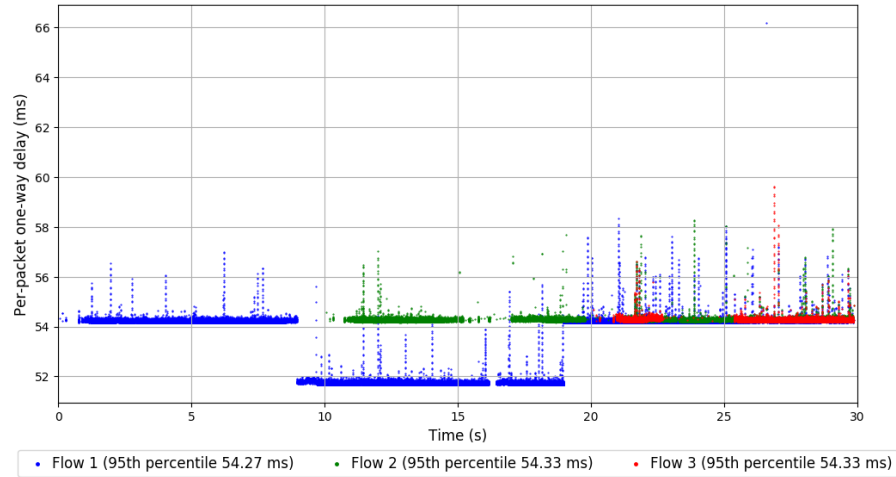
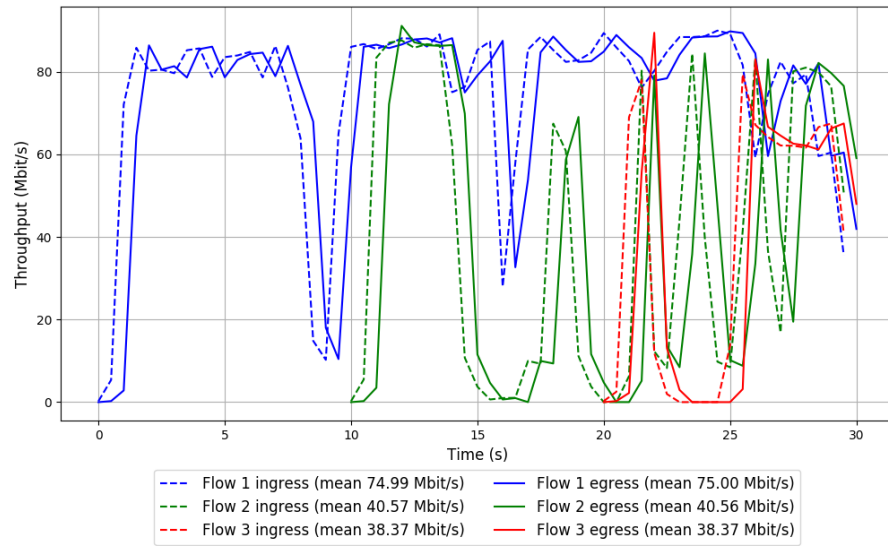
-- Flow 3:

Average throughput: 38.37 Mbit/s

95th percentile per-packet one-way delay: 54.333 ms

Loss rate: 0.03%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-05 20:26:26

End at: 2018-07-05 20:26:56

Local clock offset: 0.036 ms

Remote clock offset: 1.403 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 121.82 Mbit/s

95th percentile per-packet one-way delay: 54.865 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 54.835 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.68 Mbit/s

95th percentile per-packet one-way delay: 54.893 ms

Loss rate: 0.00%

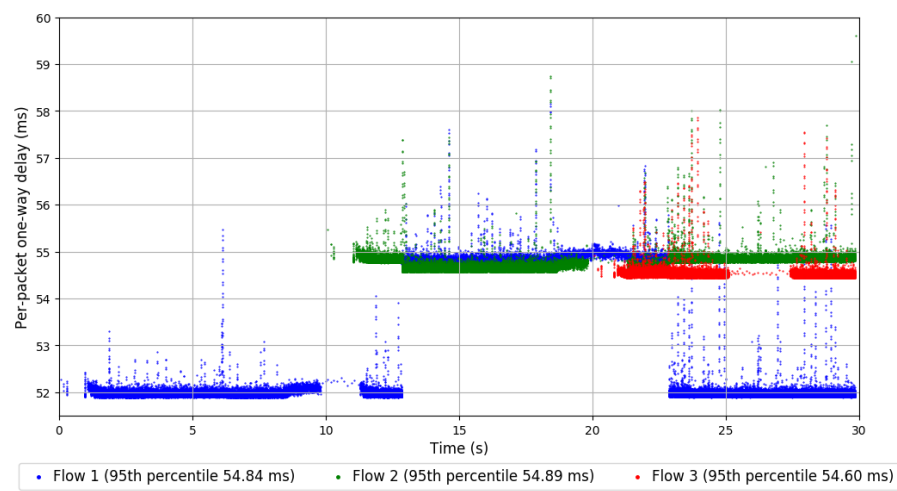
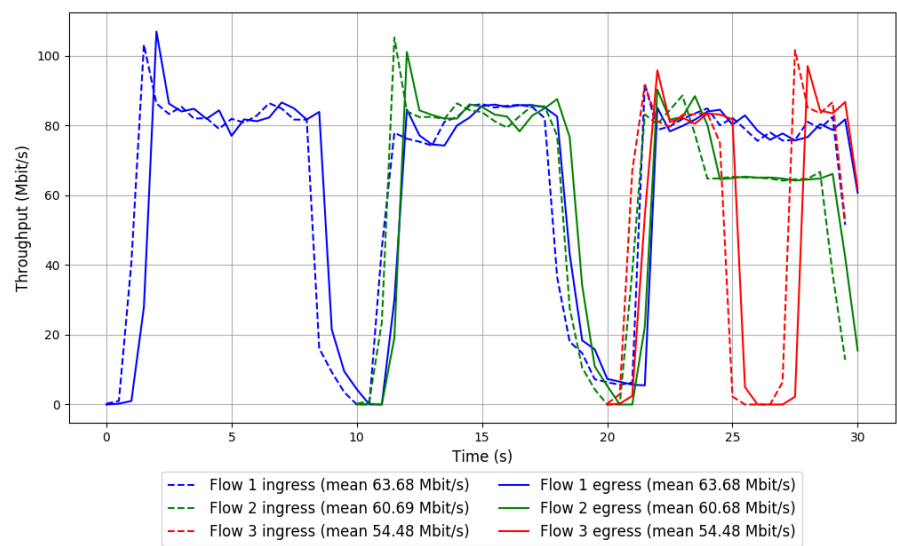
-- Flow 3:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 54.597 ms

Loss rate: 0.03%

Run 5: Report of QUIC Cubic — Data Link

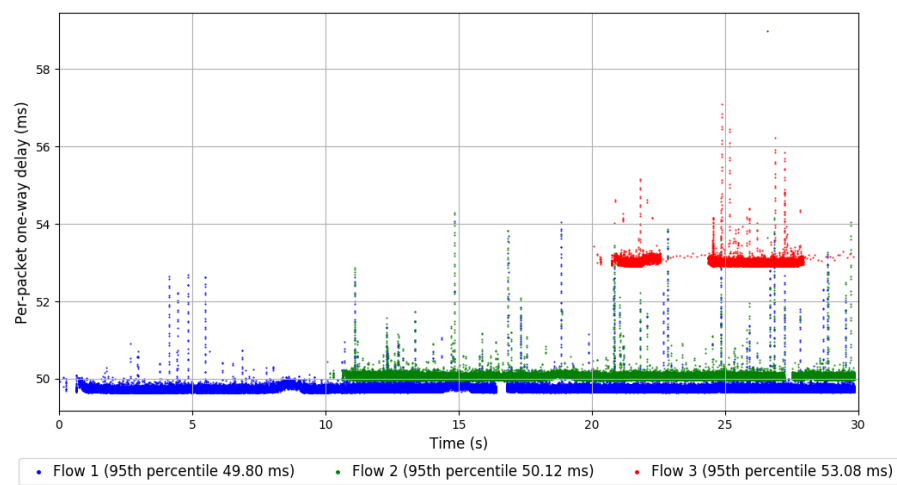
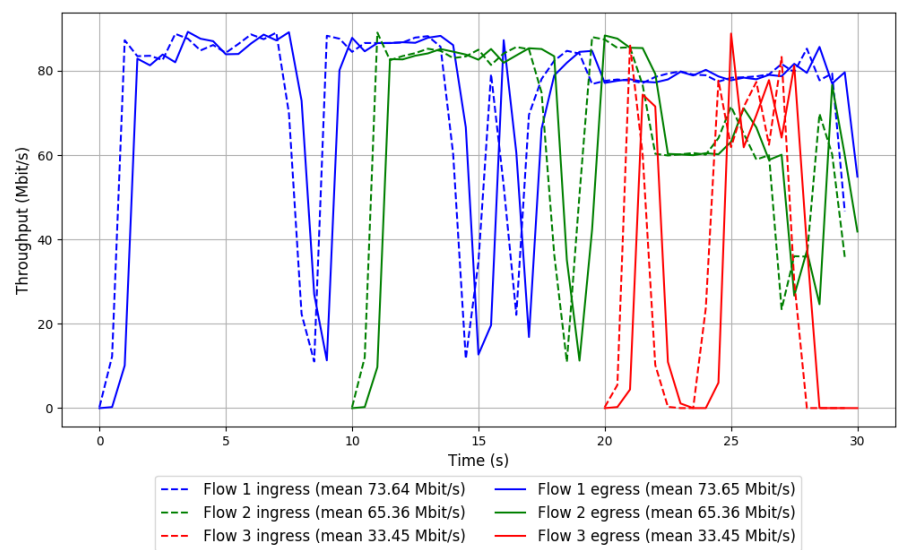


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-05 20:51:26
End at: 2018-07-05 20:51:56
Local clock offset: 0.043 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 127.96 Mbit/s
95th percentile per-packet one-way delay: 52.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.65 Mbit/s
95th percentile per-packet one-way delay: 49.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 50.115 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 53.084 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-05 21:16:21

End at: 2018-07-05 21:16:51

Local clock offset: -0.109 ms

Remote clock offset: 1.312 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 130.65 Mbit/s

95th percentile per-packet one-way delay: 54.803 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 54.824 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: 54.648 ms

Loss rate: 0.01%

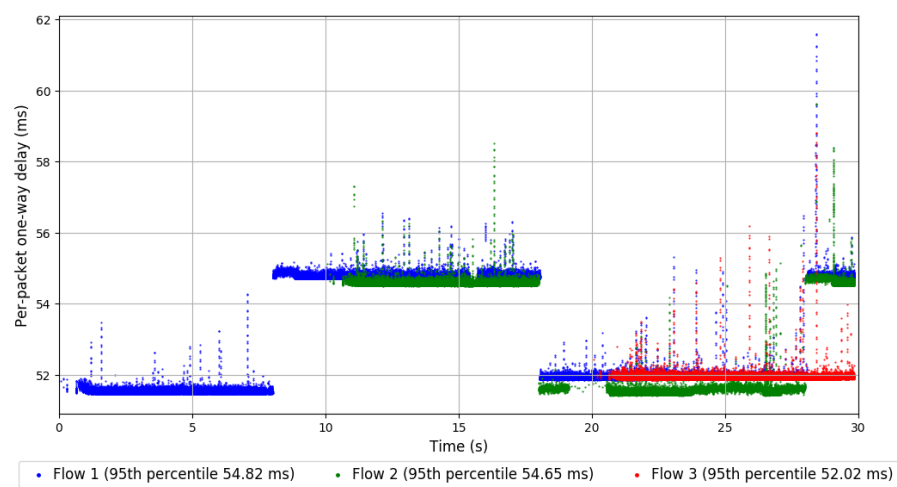
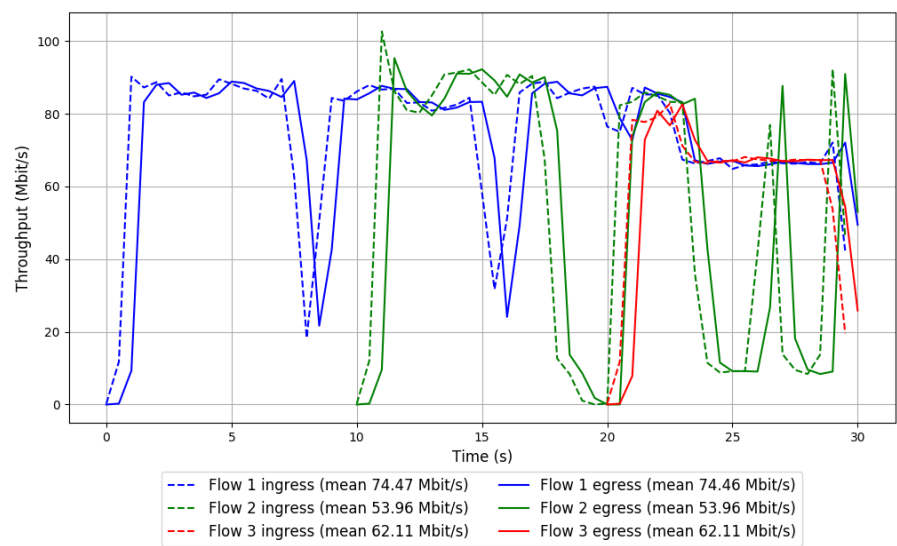
-- Flow 3:

Average throughput: 62.11 Mbit/s

95th percentile per-packet one-way delay: 52.018 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

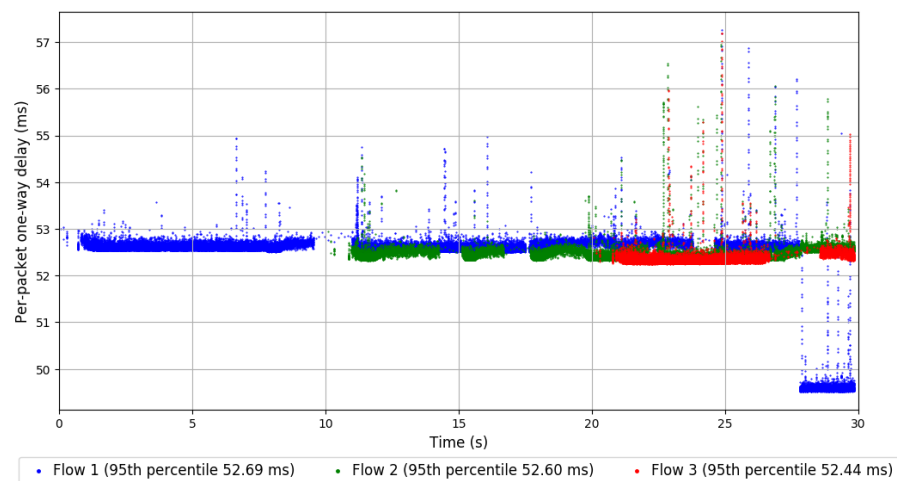
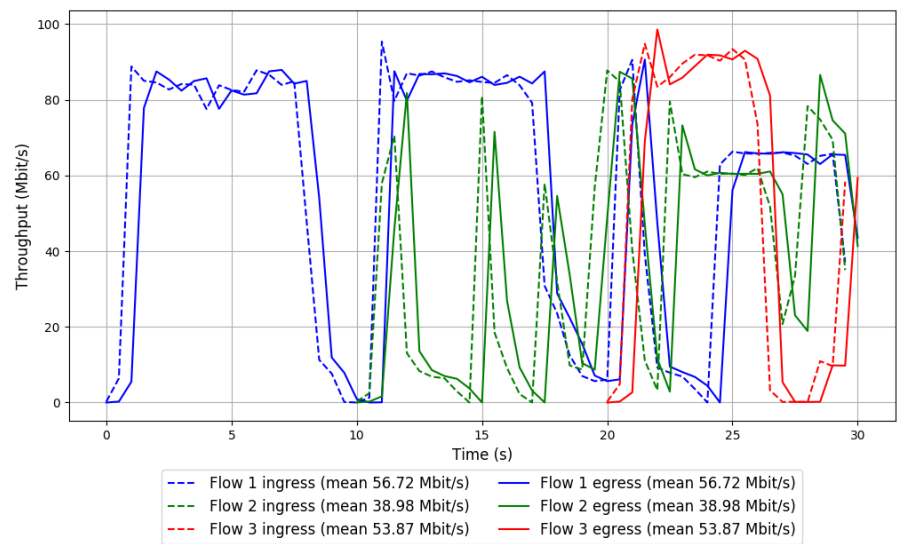


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-05 21:41:01
End at: 2018-07-05 21:41:31
Local clock offset: -0.095 ms
Remote clock offset: -1.136 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 100.24 Mbit/s
95th percentile per-packet one-way delay: 52.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.72 Mbit/s
95th percentile per-packet one-way delay: 52.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 52.603 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 53.87 Mbit/s
95th percentile per-packet one-way delay: 52.444 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-05 22:06:06

End at: 2018-07-05 22:06:36

Local clock offset: -0.043 ms

Remote clock offset: -1.19 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.80 Mbit/s

95th percentile per-packet one-way delay: 51.813 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.55 Mbit/s

95th percentile per-packet one-way delay: 51.839 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 71.84 Mbit/s

95th percentile per-packet one-way delay: 49.292 ms

Loss rate: 0.00%

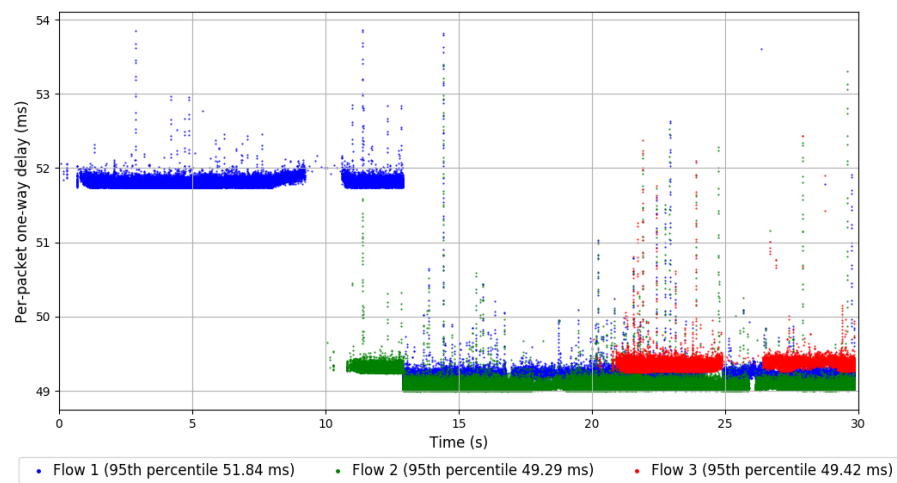
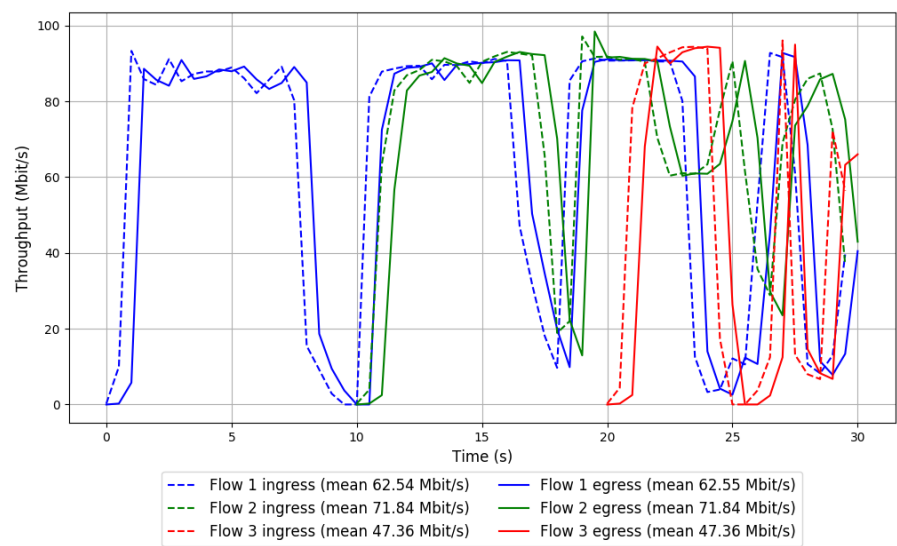
-- Flow 3:

Average throughput: 47.36 Mbit/s

95th percentile per-packet one-way delay: 49.420 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-05 22:31:14

End at: 2018-07-05 22:31:44

Local clock offset: 0.075 ms

Remote clock offset: 1.028 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.40 Mbit/s

95th percentile per-packet one-way delay: 54.477 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 74.40 Mbit/s

95th percentile per-packet one-way delay: 54.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.63 Mbit/s

95th percentile per-packet one-way delay: 54.503 ms

Loss rate: 0.00%

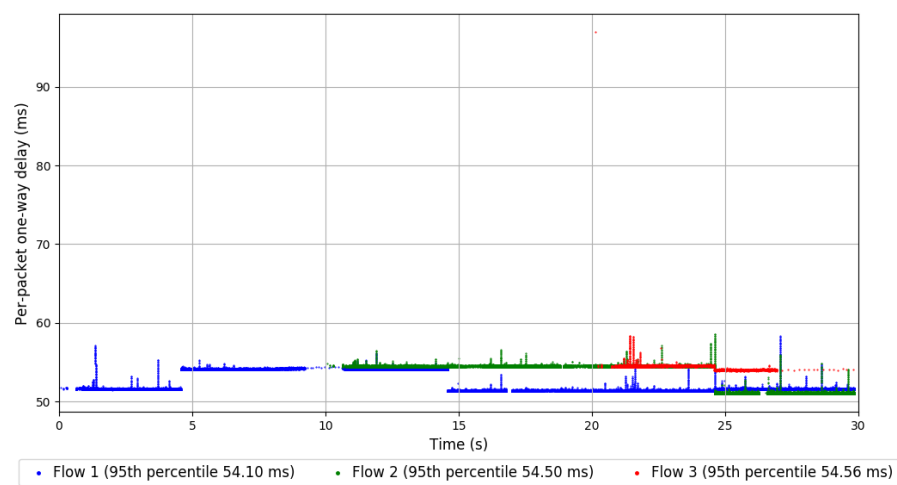
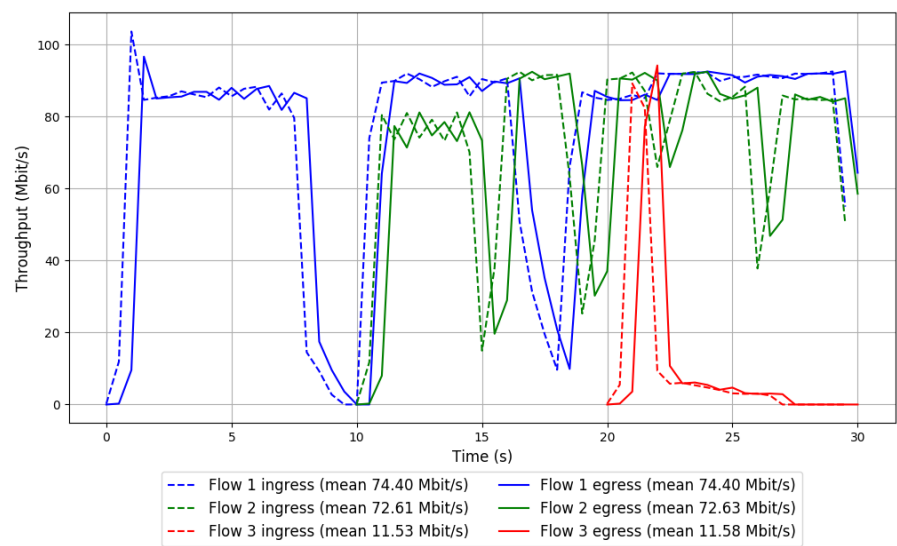
-- Flow 3:

Average throughput: 11.58 Mbit/s

95th percentile per-packet one-way delay: 54.561 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

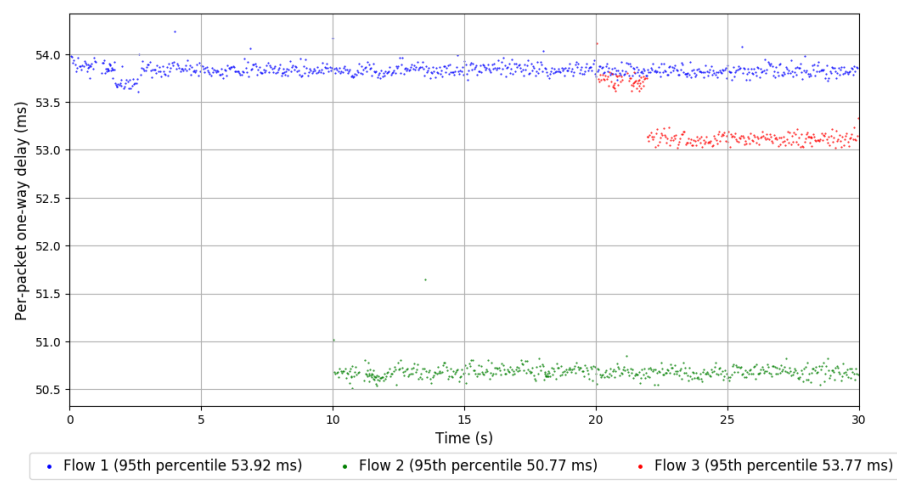
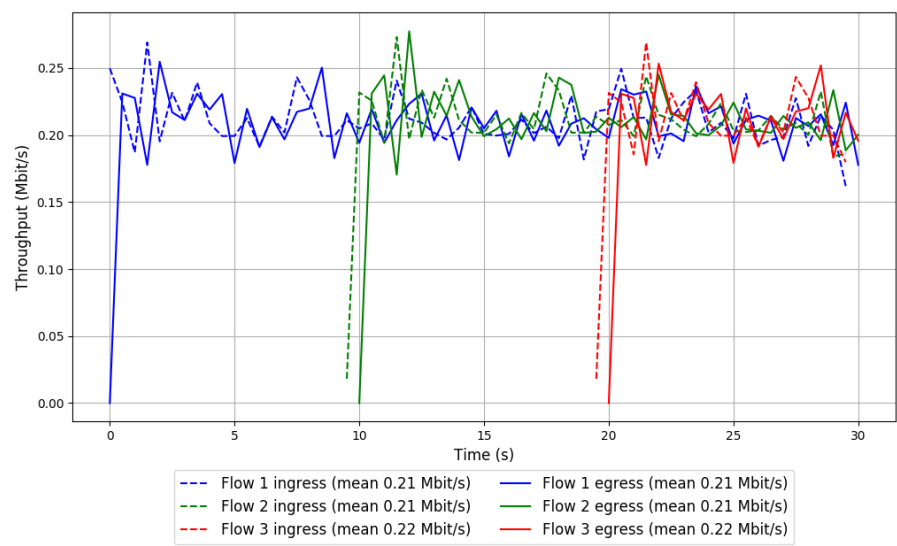


Run 1: Statistics of SCReAM

Start at: 2018-07-05 18:24:57
End at: 2018-07-05 18:25:27
Local clock offset: -0.07 ms
Remote clock offset: -0.149 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.919 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.769 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.766 ms
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

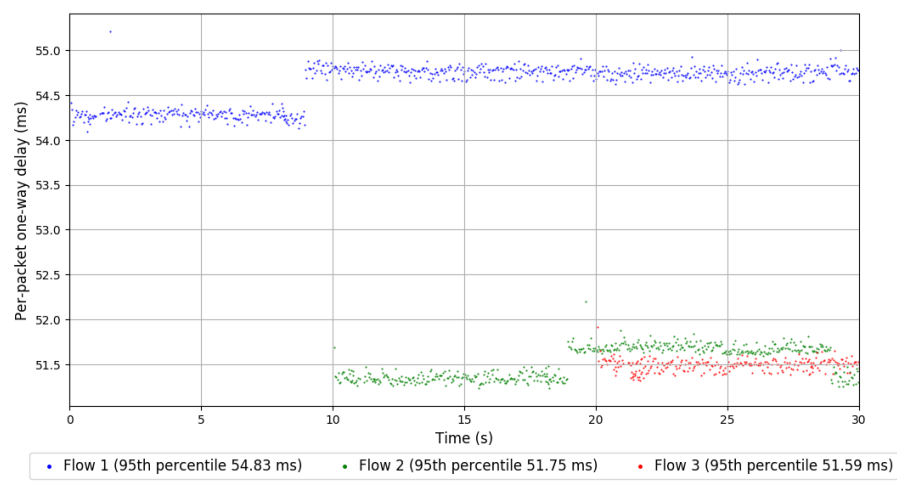
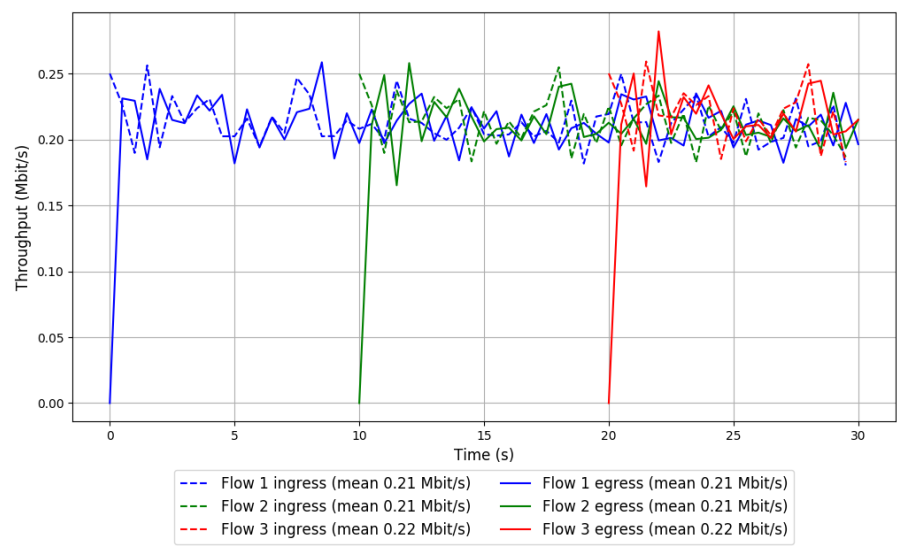


```
Run 2: Statistics of SReAM

Start at: 2018-07-05 18:49:30
End at: 2018-07-05 18:50:00
Local clock offset: 0.151 ms
Remote clock offset: 1.095 ms

# Below is generated by plot.py at 2018-07-06 01:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 54.815 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 54.832 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 51.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.590 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link

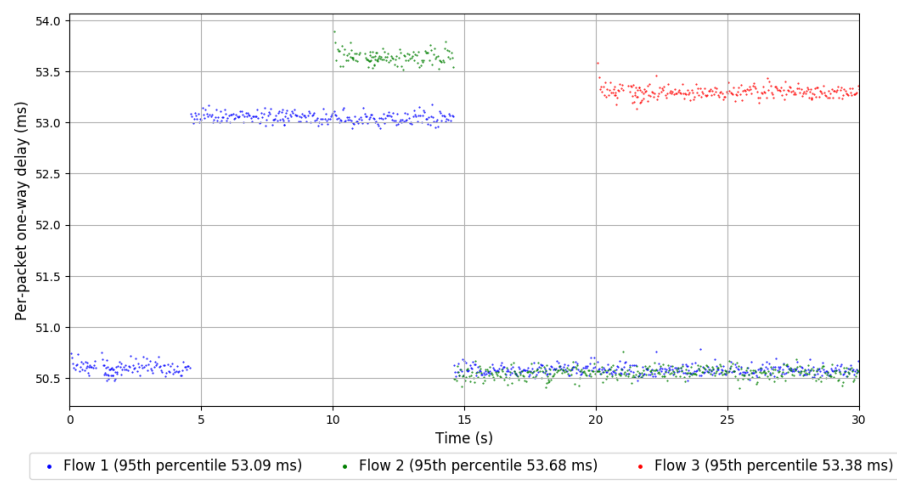
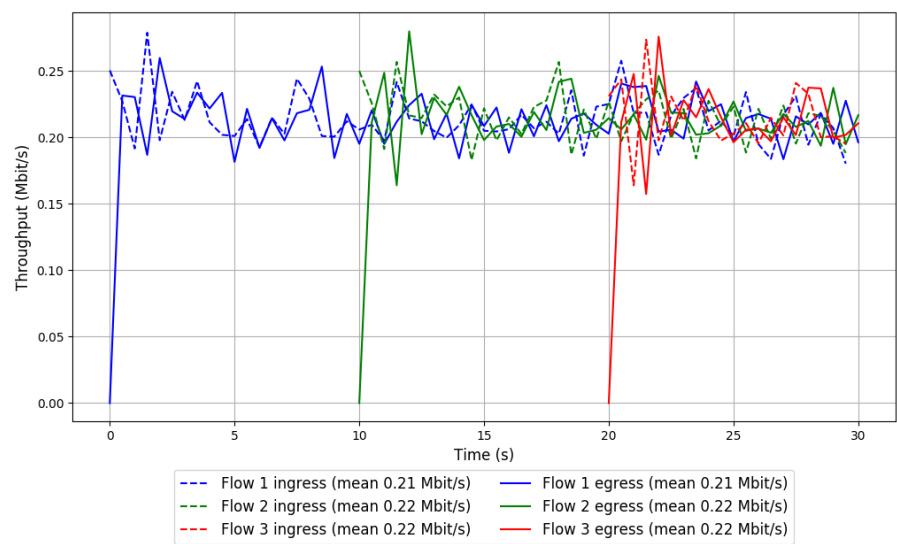


Run 3: Statistics of SReAM

Start at: 2018-07-05 19:14:34
End at: 2018-07-05 19:15:04
Local clock offset: -0.113 ms
Remote clock offset: -0.129 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.093 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.684 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.376 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-05 19:39:15

End at: 2018-07-05 19:39:45

Local clock offset: -0.158 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.058 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.080 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.936 ms

Loss rate: 0.00%

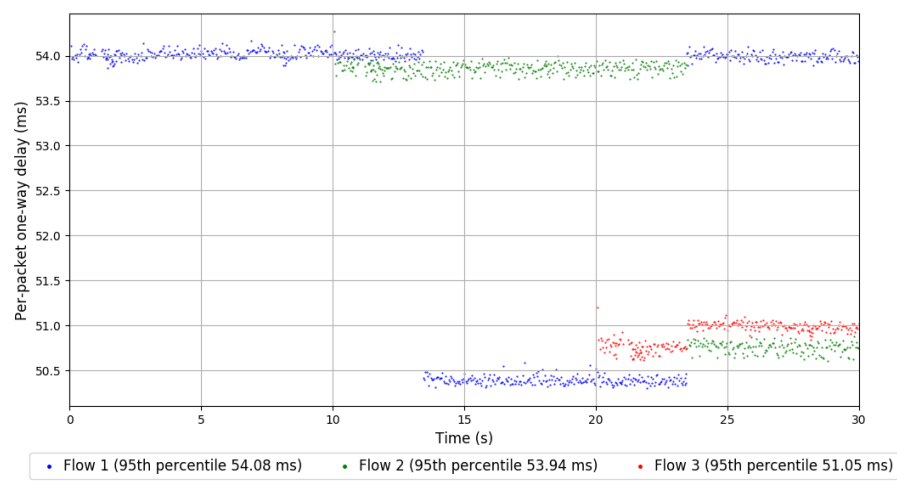
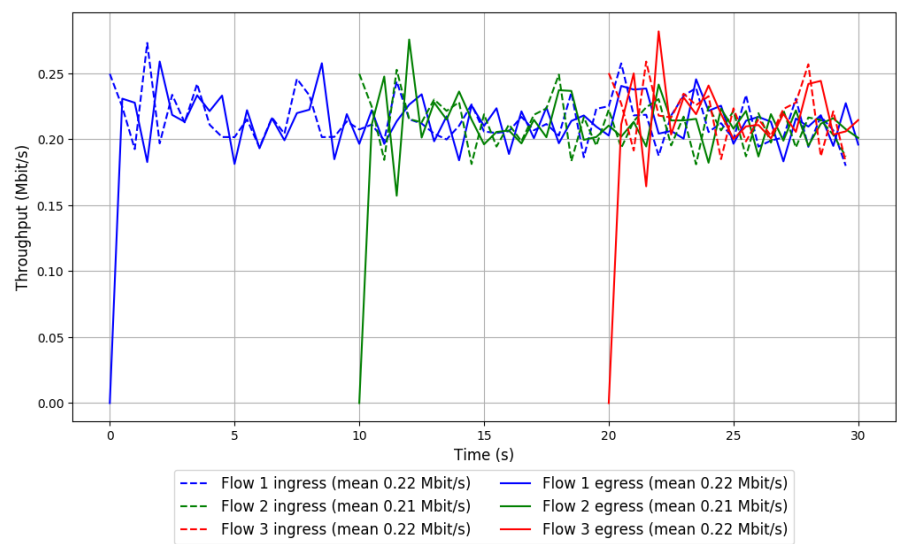
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.051 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-05 20:04:07

End at: 2018-07-05 20:04:37

Local clock offset: 0.077 ms

Remote clock offset: 1.05 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 54.380 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 54.409 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.693 ms

Loss rate: 0.00%

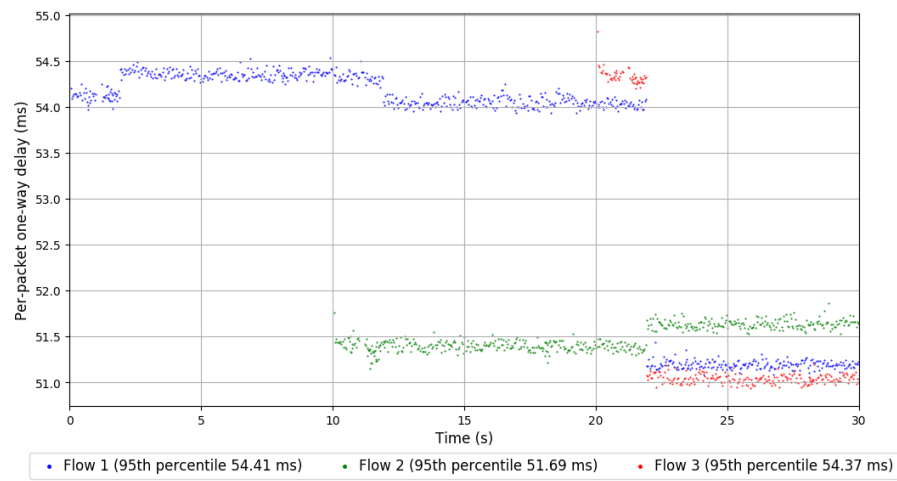
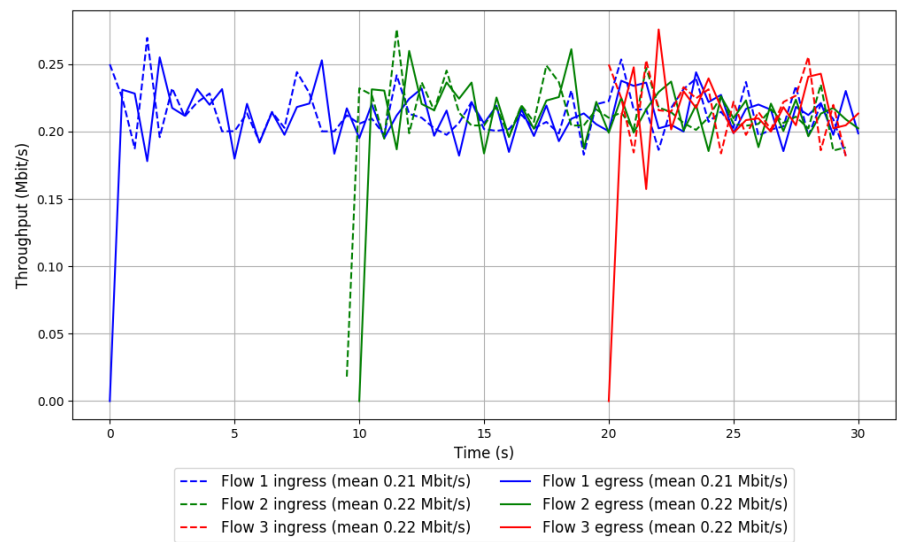
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 54.368 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

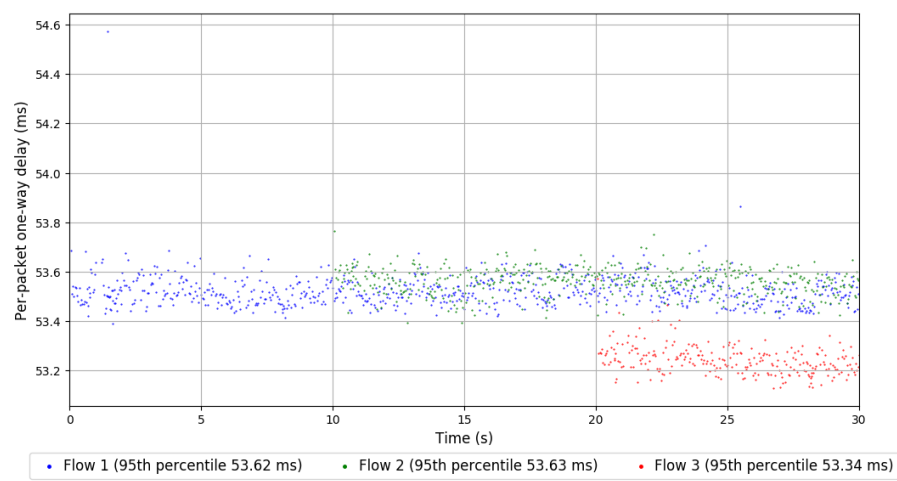
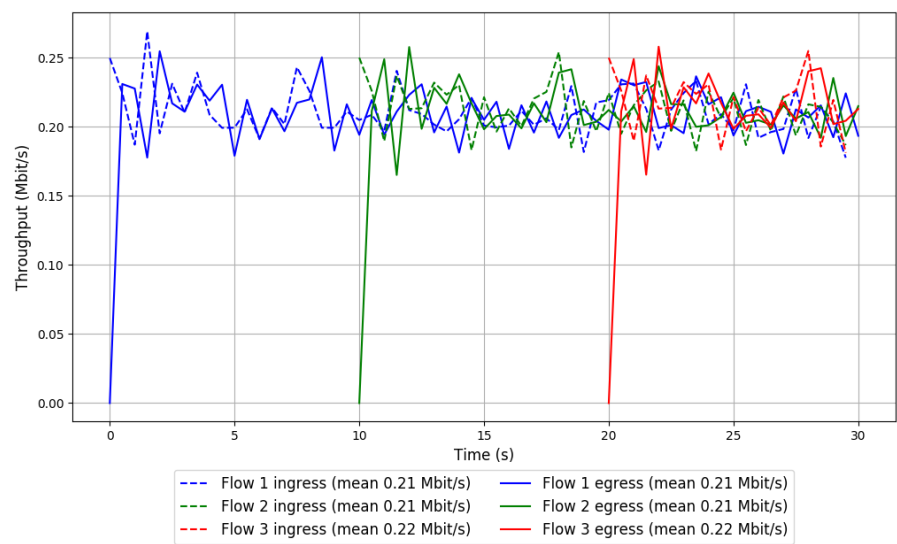


Run 6: Statistics of SReAM

Start at: 2018-07-05 20:29:21
End at: 2018-07-05 20:29:51
Local clock offset: -0.095 ms
Remote clock offset: -0.202 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.627 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.619 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.635 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.339 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: 2018-07-05 20:54:25

End at: 2018-07-05 20:54:55

Local clock offset: 0.029 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.465 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.483 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.411 ms

Loss rate: 0.00%

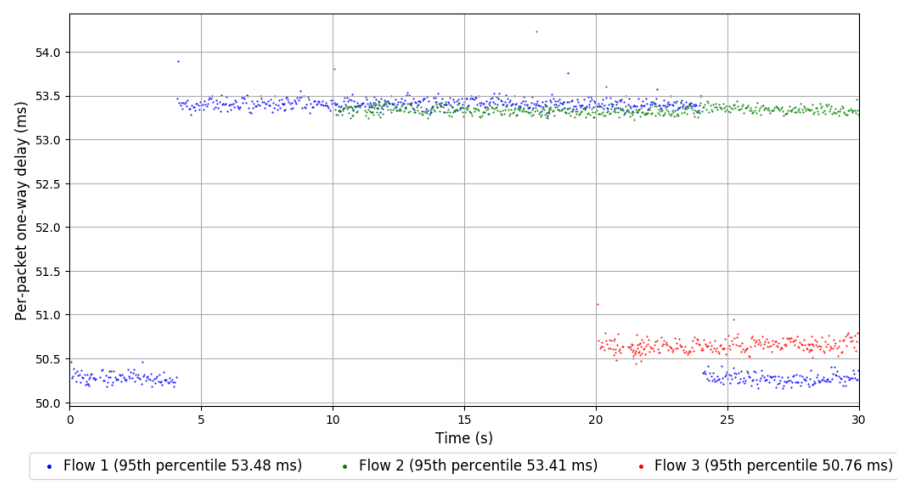
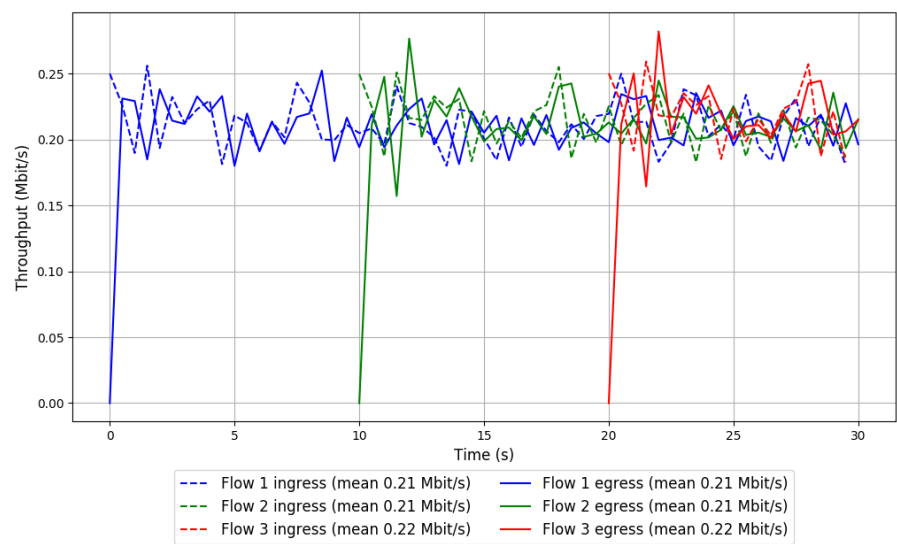
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.757 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

Start at: 2018-07-05 21:19:19

End at: 2018-07-05 21:19:49

Local clock offset: 0.003 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 53.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.210 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.451 ms

Loss rate: 0.00%

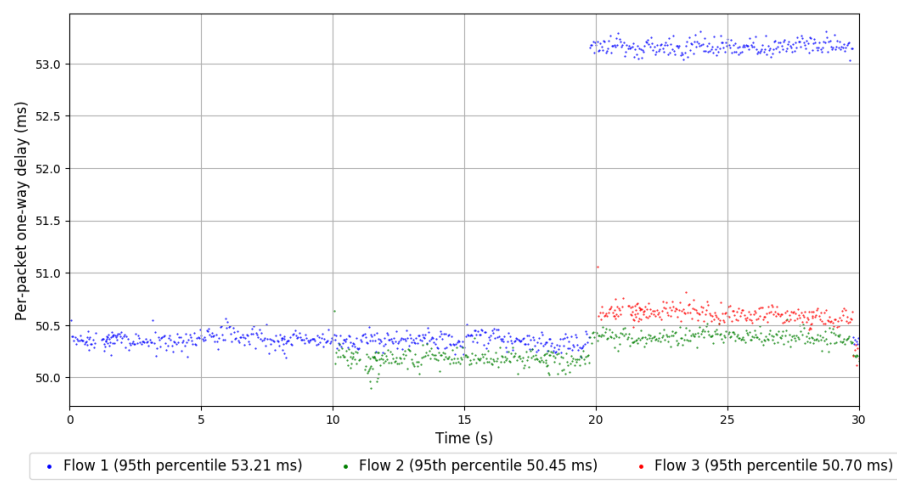
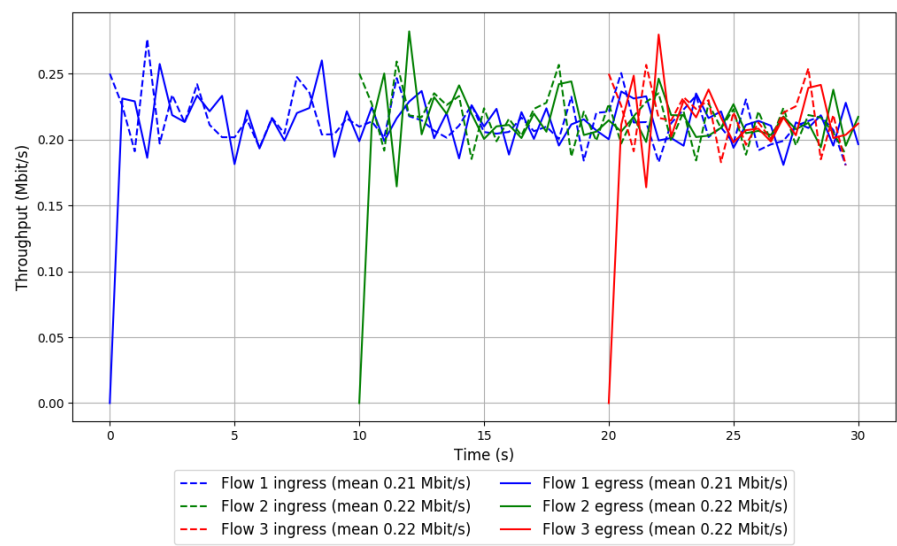
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.699 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

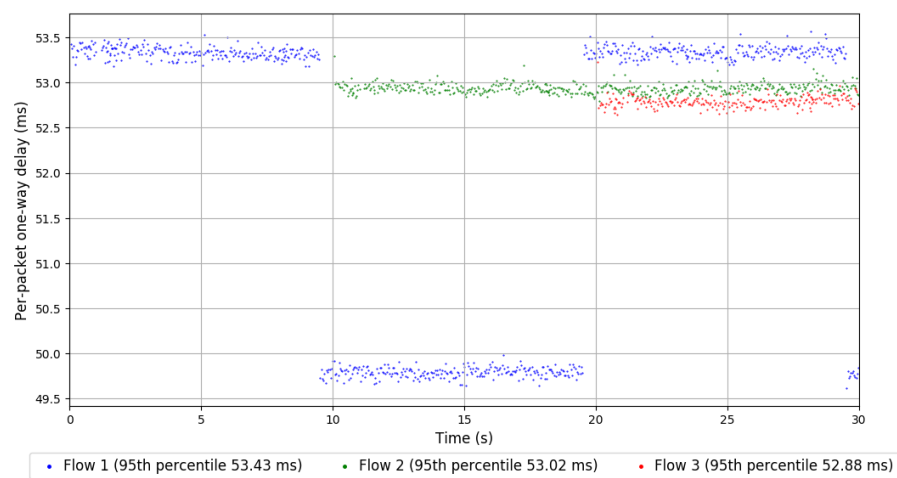
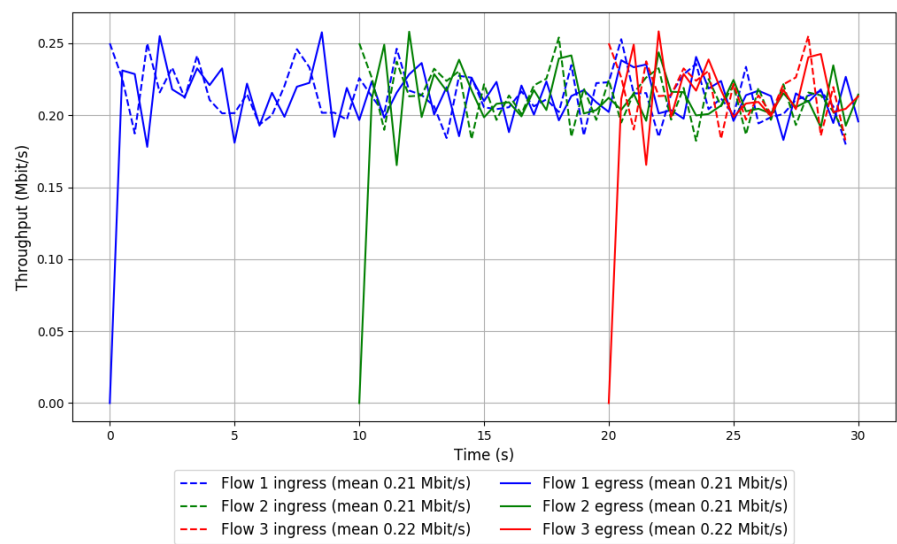


Run 9: Statistics of SReAM

Start at: 2018-07-05 21:43:59
End at: 2018-07-05 21:44:29
Local clock offset: 0.291 ms
Remote clock offset: -0.097 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.401 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.430 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.024 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.885 ms
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

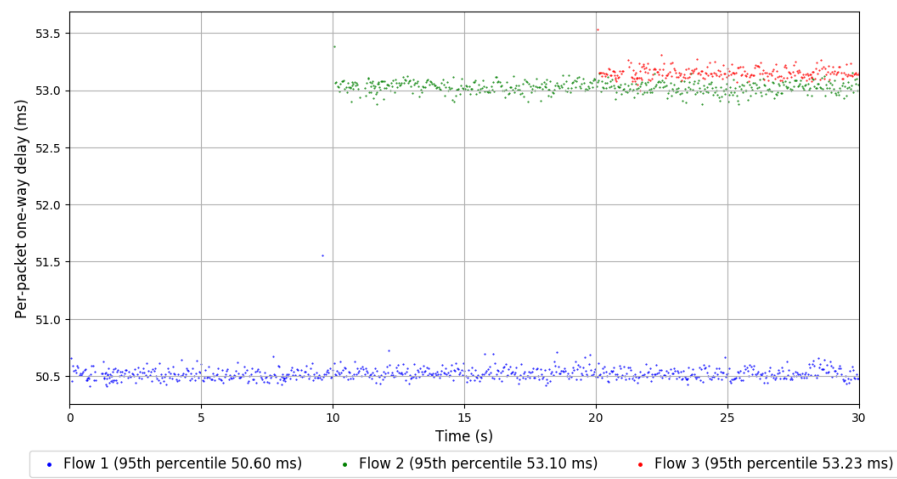
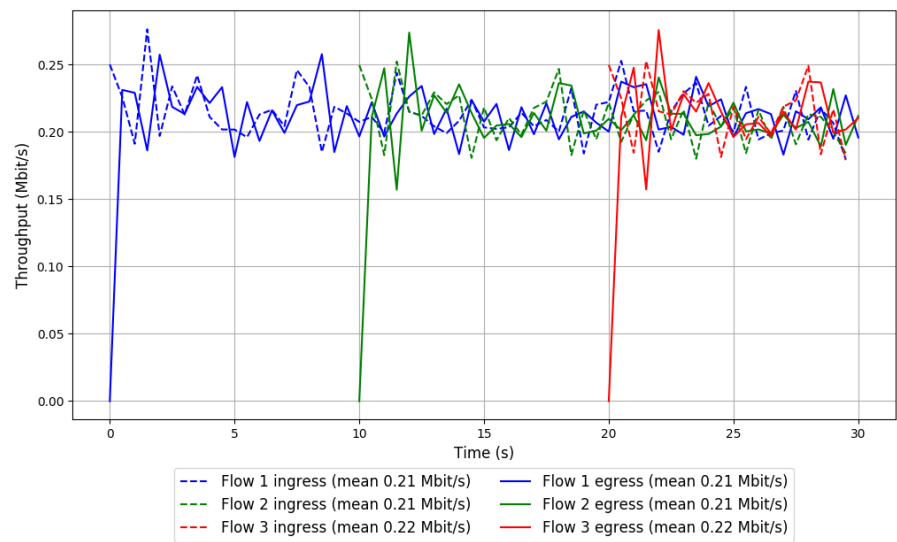


Run 10: Statistics of SReAM

Start at: 2018-07-05 22:09:09
End at: 2018-07-05 22:09:39
Local clock offset: 0.086 ms
Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 53.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.602 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 53.099 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.233 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

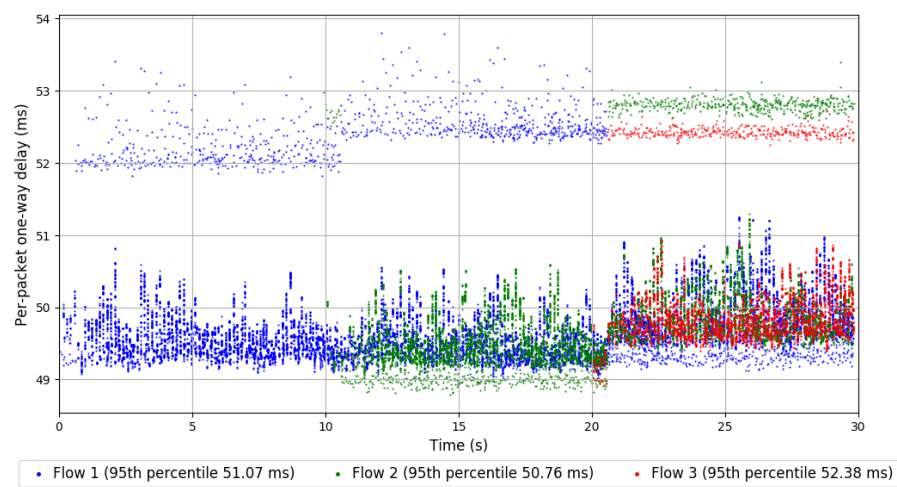
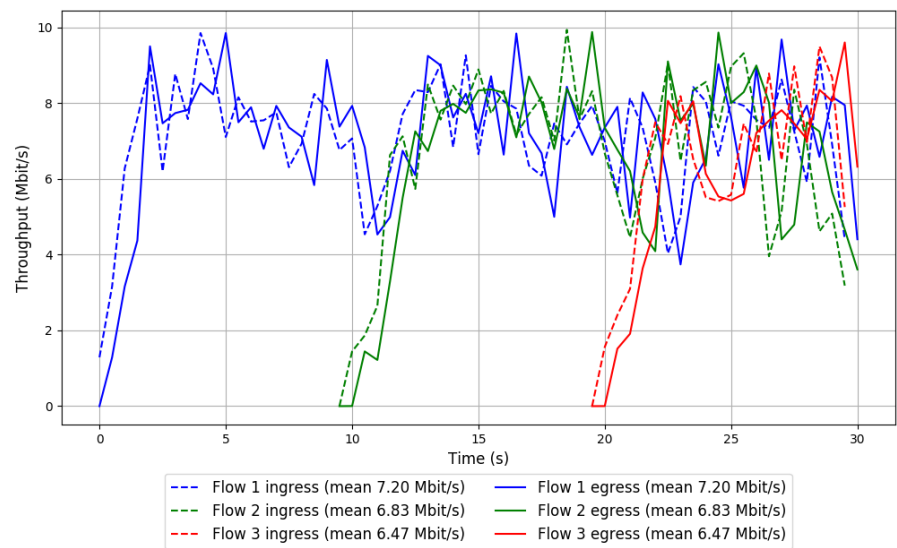


Run 1: Statistics of Sprout

Start at: 2018-07-05 18:36:28
End at: 2018-07-05 18:36:58
Local clock offset: -0.025 ms
Remote clock offset: -1.192 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 51.073 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 50.760 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 52.379 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-07-05 19:00:59

End at: 2018-07-05 19:01:29

Local clock offset: 0.019 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 52.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 51.644 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 53.837 ms

Loss rate: 0.00%

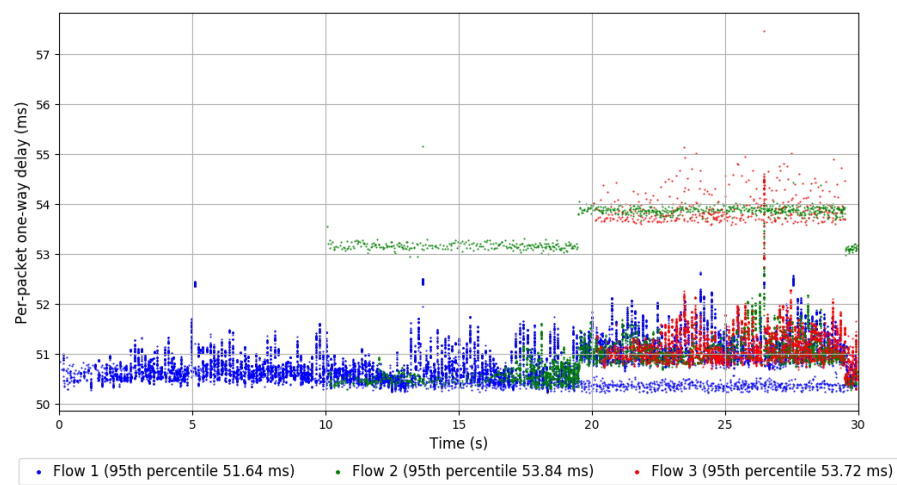
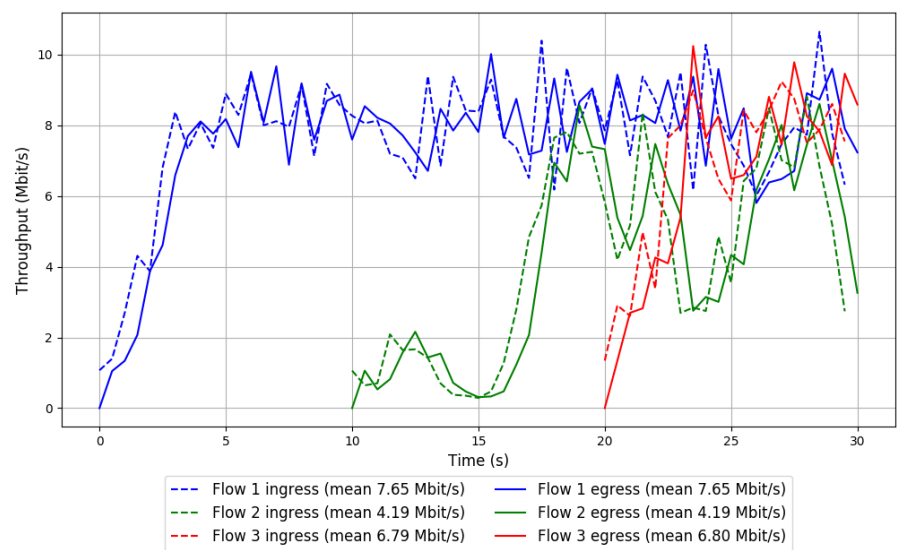
-- Flow 3:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 53.718 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

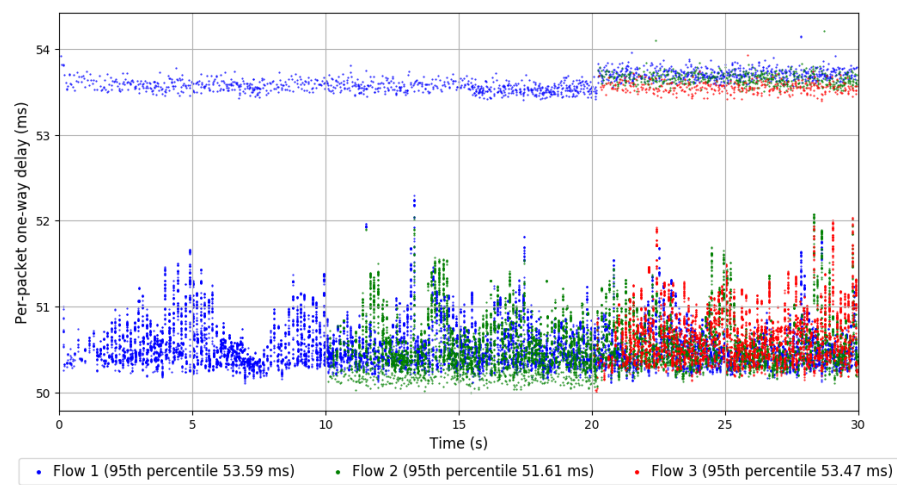
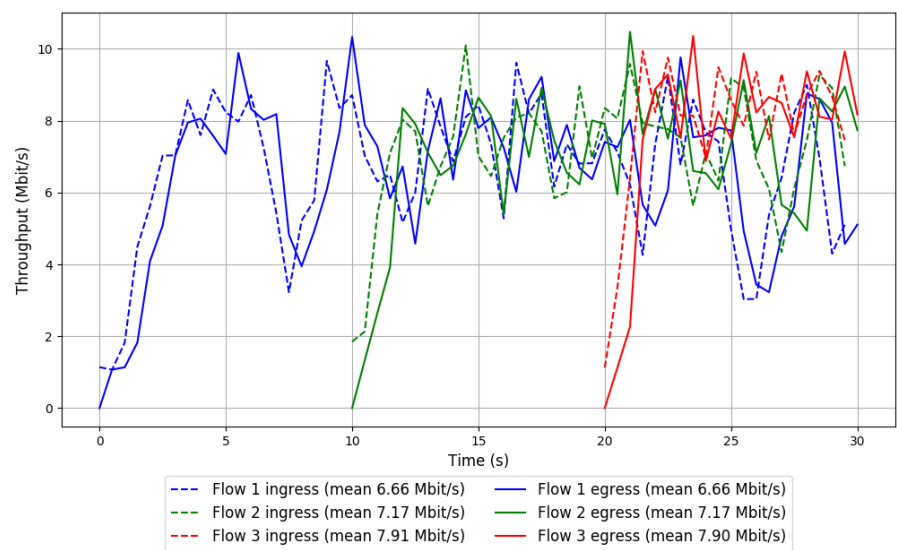


Run 3: Statistics of Sprout

Start at: 2018-07-05 19:26:19
End at: 2018-07-05 19:26:49
Local clock offset: -0.11 ms
Remote clock offset: -0.094 ms

```
# Below is generated by plot.py at 2018-07-06 01:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.03 Mbit/s
95th percentile per-packet one-way delay: 53.539 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.66 Mbit/s
95th percentile per-packet one-way delay: 53.589 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 51.612 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 53.468 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

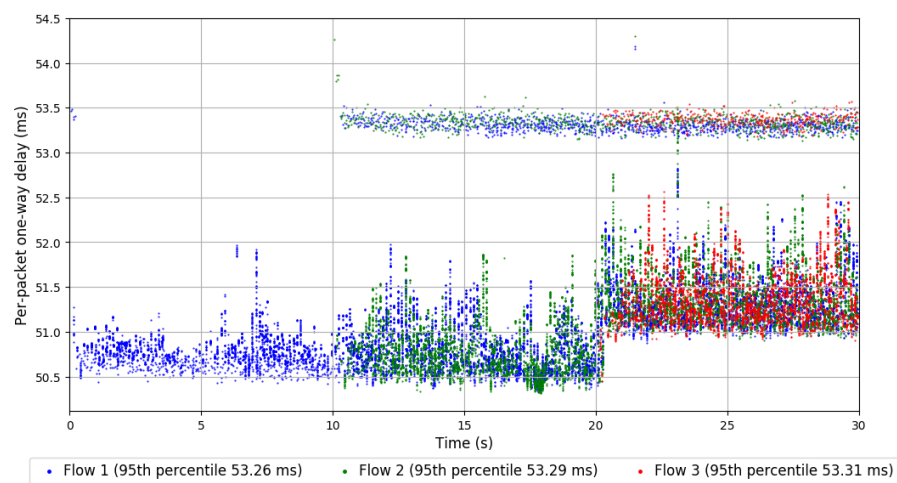
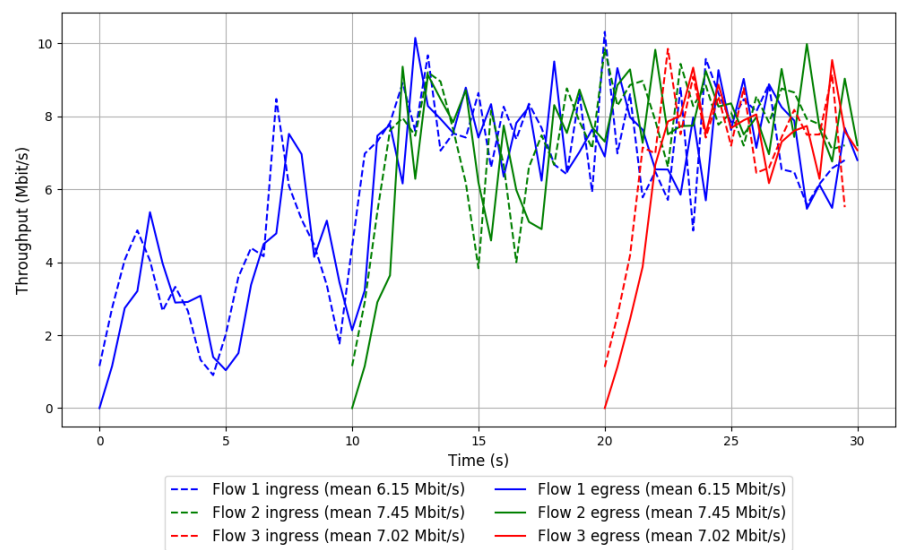


Run 4: Statistics of Sprout

Start at: 2018-07-05 19:50:58
End at: 2018-07-05 19:51:29
Local clock offset: -0.065 ms
Remote clock offset: 0.188 ms

```
# Below is generated by plot.py at 2018-07-06 01:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 53.279 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 53.264 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 53.291 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 53.313 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-05 20:15:31

End at: 2018-07-05 20:16:01

Local clock offset: 0.219 ms

Remote clock offset: 1.189 ms

Below is generated by plot.py at 2018-07-06 01:05:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 54.151 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 54.400 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 54.102 ms

Loss rate: 0.00%

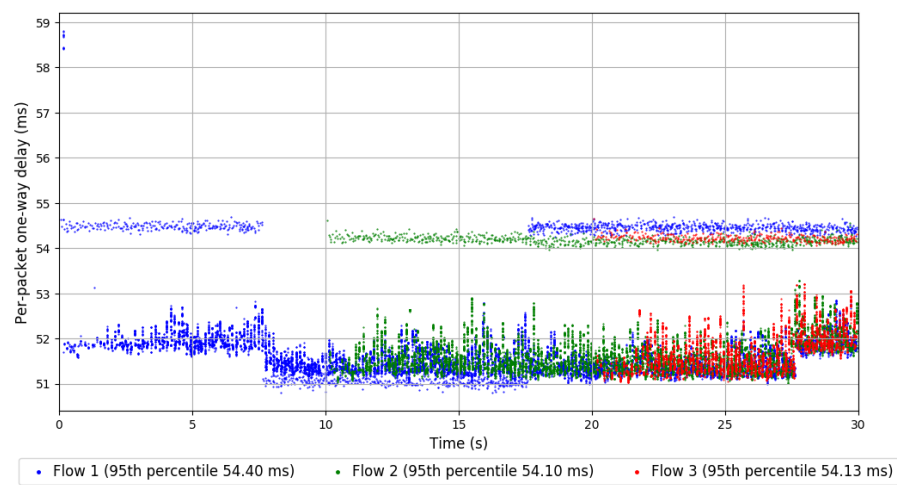
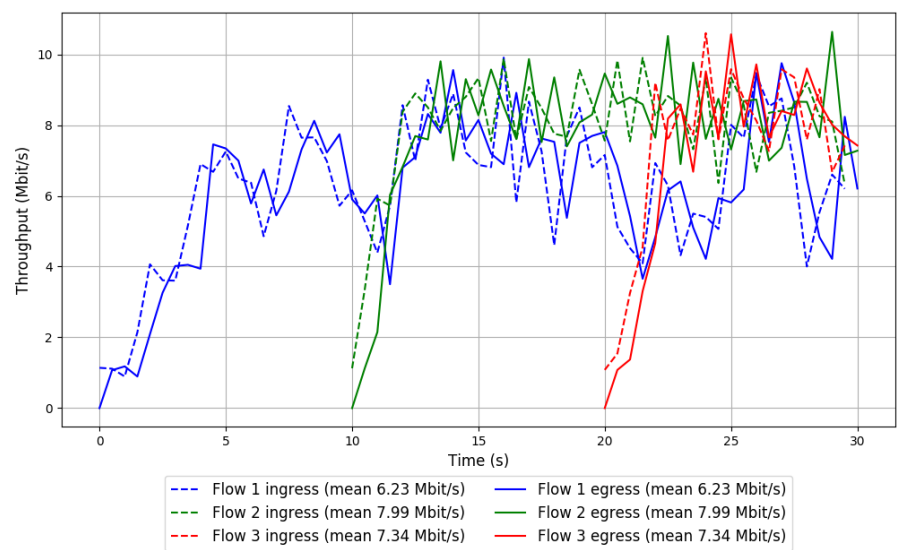
-- Flow 3:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 54.133 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

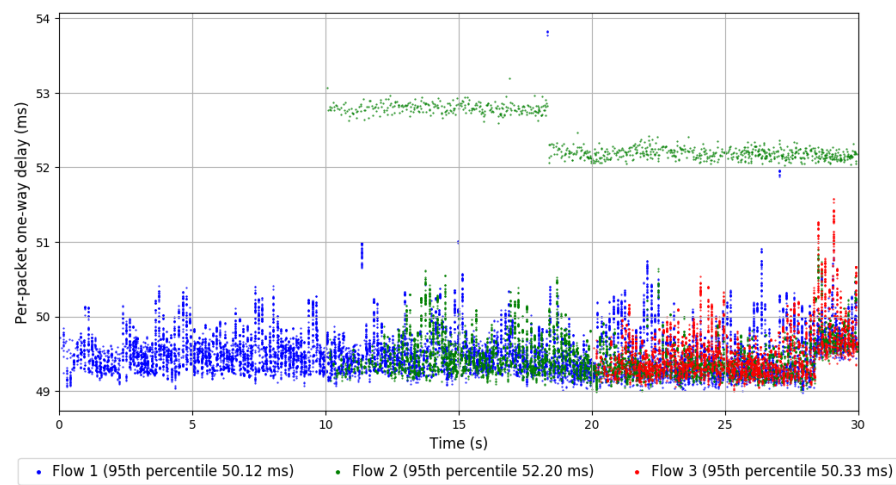
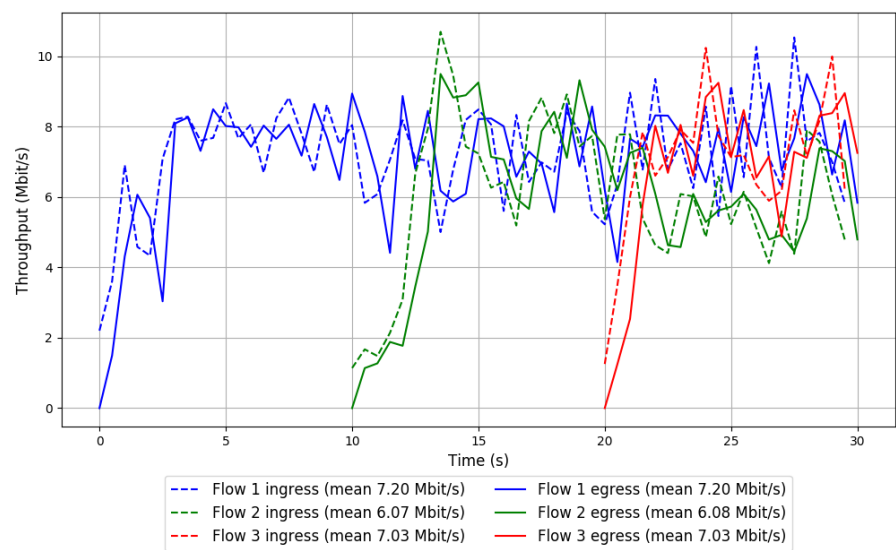


Run 6: Statistics of Sprout

Start at: 2018-07-05 20:41:00
End at: 2018-07-05 20:41:30
Local clock offset: -0.274 ms
Remote clock offset: -1.306 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.20 Mbit/s
95th percentile per-packet one-way delay: 50.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.08 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 50.332 ms
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

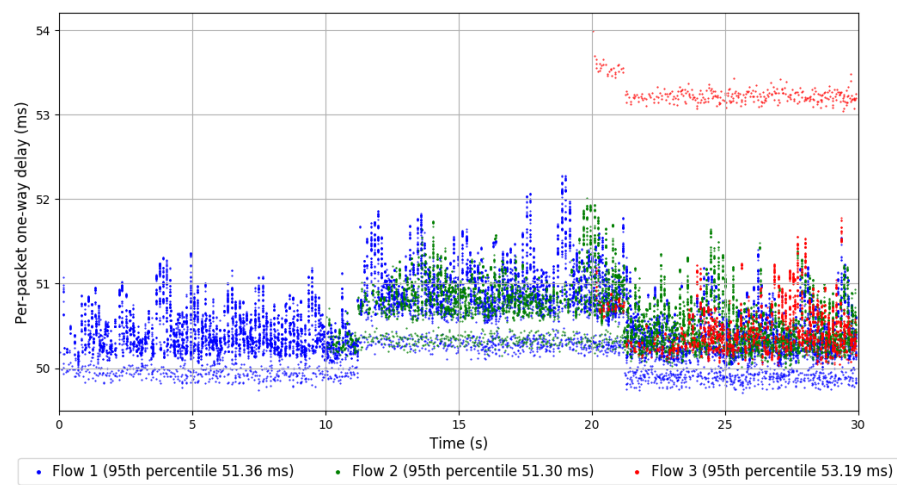
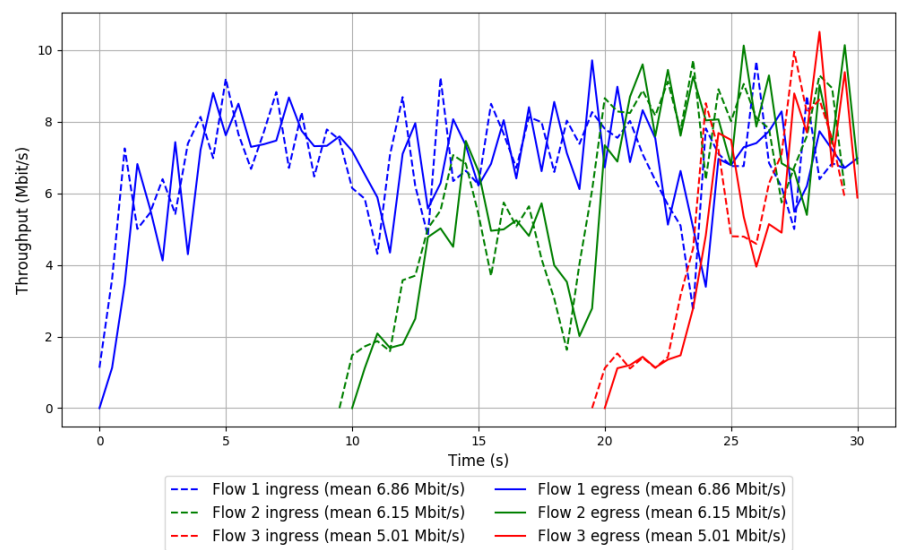


Run 7: Statistics of Sprout

Start at: 2018-07-05 21:05:58
End at: 2018-07-05 21:06:28
Local clock offset: -0.023 ms
Remote clock offset: -0.136 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.60 Mbit/s
95th percentile per-packet one-way delay: 51.372 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 51.364 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.15 Mbit/s
95th percentile per-packet one-way delay: 51.298 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 53.193 ms
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

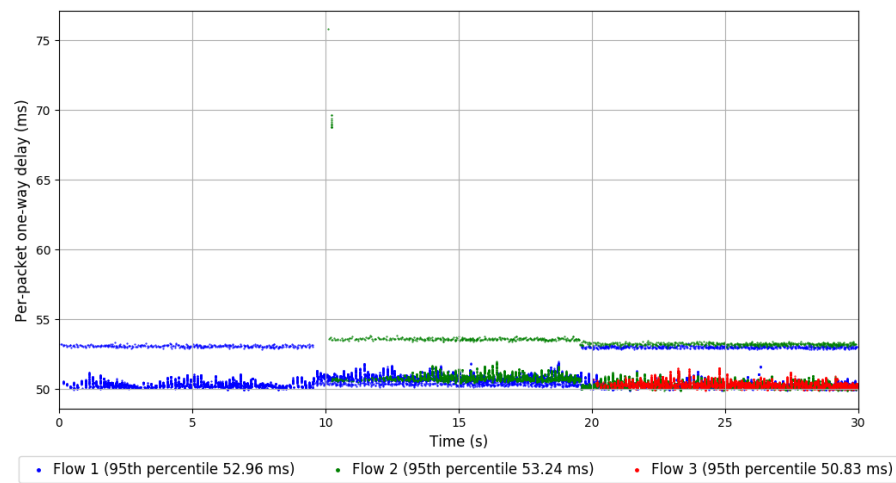
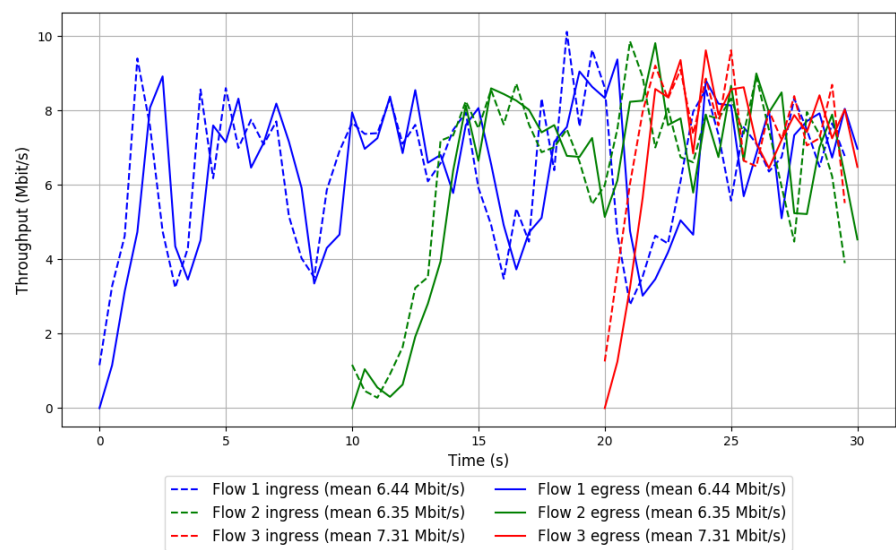


Run 8: Statistics of Sprout

Start at: 2018-07-05 21:30:49
End at: 2018-07-05 21:31:19
Local clock offset: 0.099 ms
Remote clock offset: -0.189 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 52.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 52.957 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 53.245 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

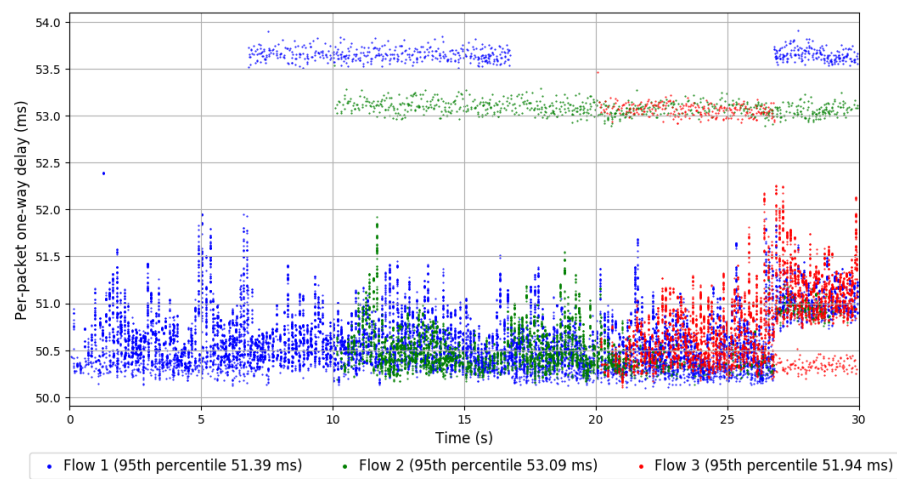
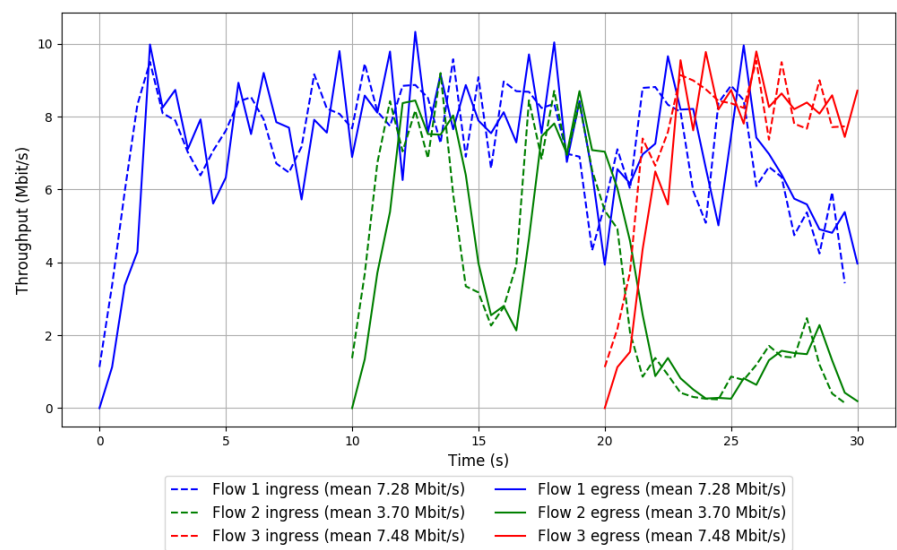


Run 9: Statistics of Sprout

Start at: 2018-07-05 21:55:42
End at: 2018-07-05 21:56:12
Local clock offset: -0.016 ms
Remote clock offset: -0.01 ms

Below is generated by plot.py at 2018-07-06 01:05:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 52.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 51.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 53.089 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 51.937 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

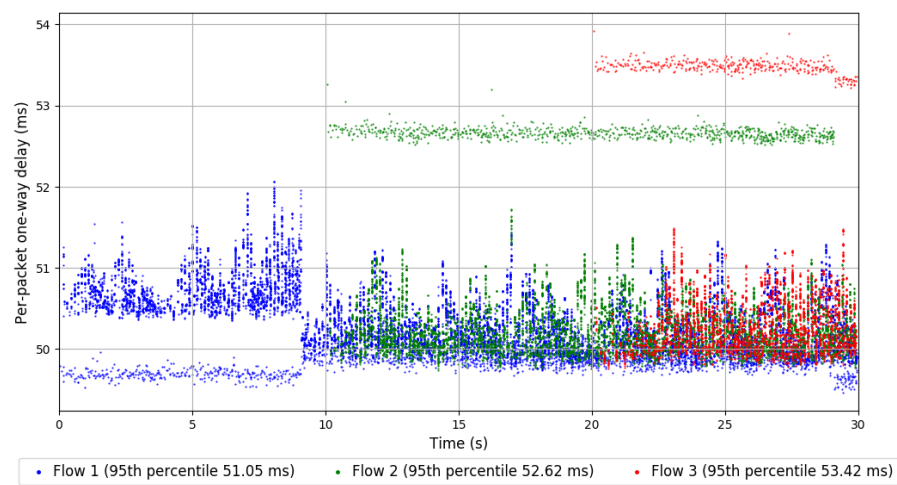
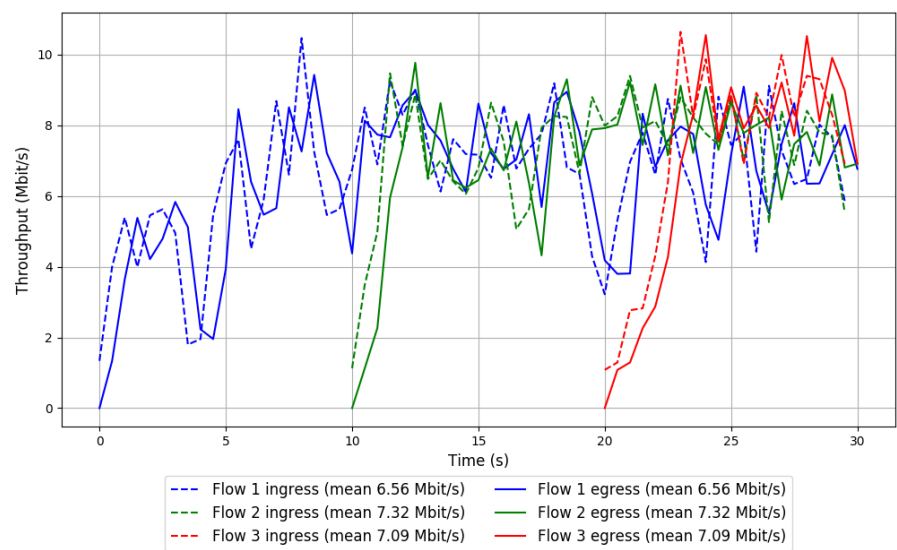


Run 10: Statistics of Sprout

Start at: 2018-07-05 22:20:50
End at: 2018-07-05 22:21:20
Local clock offset: 0.087 ms
Remote clock offset: -0.277 ms

```
# Below is generated by plot.py at 2018-07-06 01:05:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 51.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.56 Mbit/s
95th percentile per-packet one-way delay: 51.052 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.32 Mbit/s
95th percentile per-packet one-way delay: 52.615 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 53.419 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

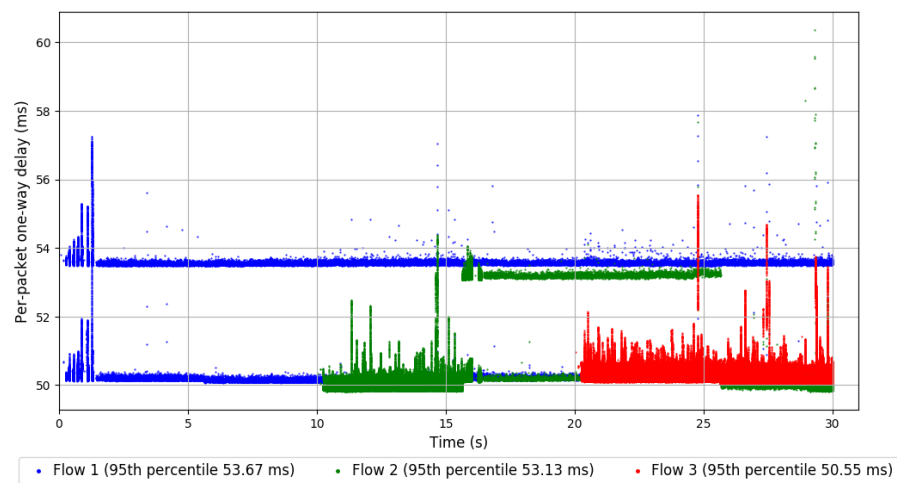
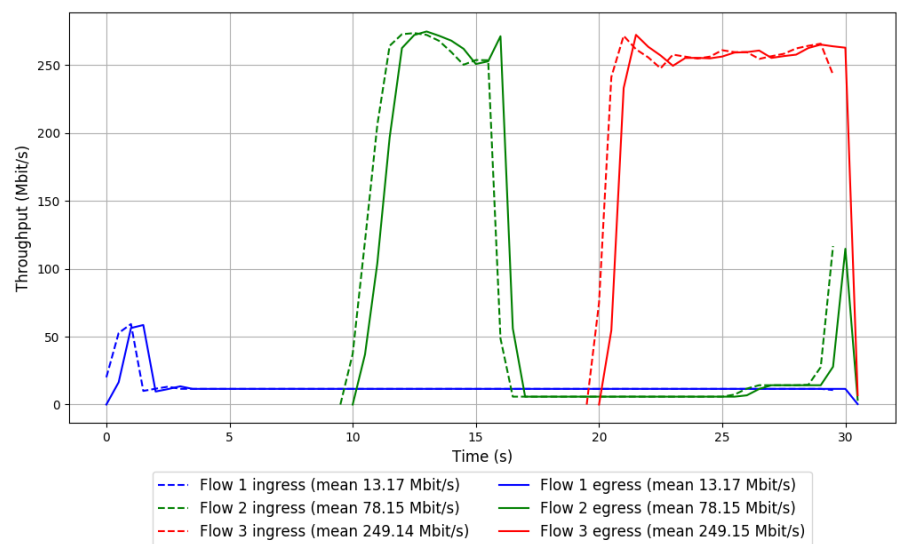


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-05 18:41:03
End at: 2018-07-05 18:41:33
Local clock offset: -0.049 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2018-07-06 01:05:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 148.10 Mbit/s
95th percentile per-packet one-way delay: 53.232 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 53.674 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 53.131 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 249.15 Mbit/s
95th percentile per-packet one-way delay: 50.545 ms
Loss rate: 0.00%
```


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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-05 19:05:45

End at: 2018-07-05 19:06:15

Local clock offset: 0.133 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-06 01:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 342.99 Mbit/s

95th percentile per-packet one-way delay: 50.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 249.69 Mbit/s

95th percentile per-packet one-way delay: 50.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 53.563 ms

Loss rate: 0.00%

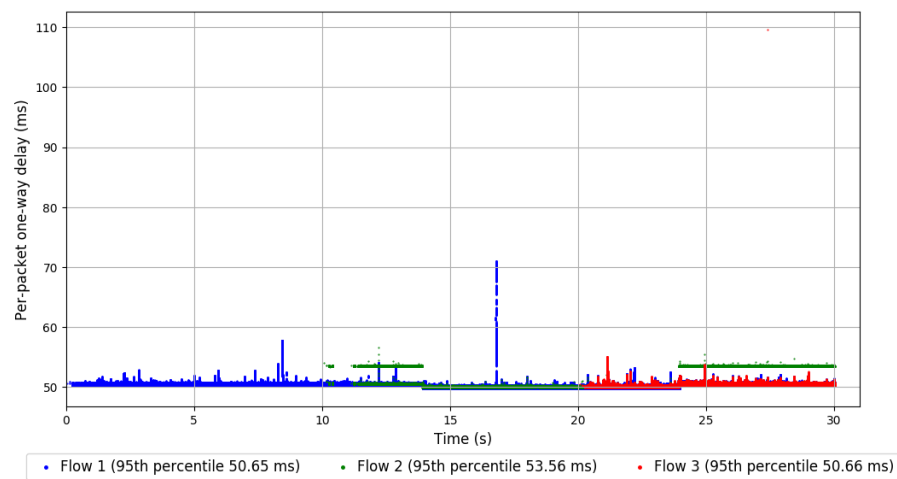
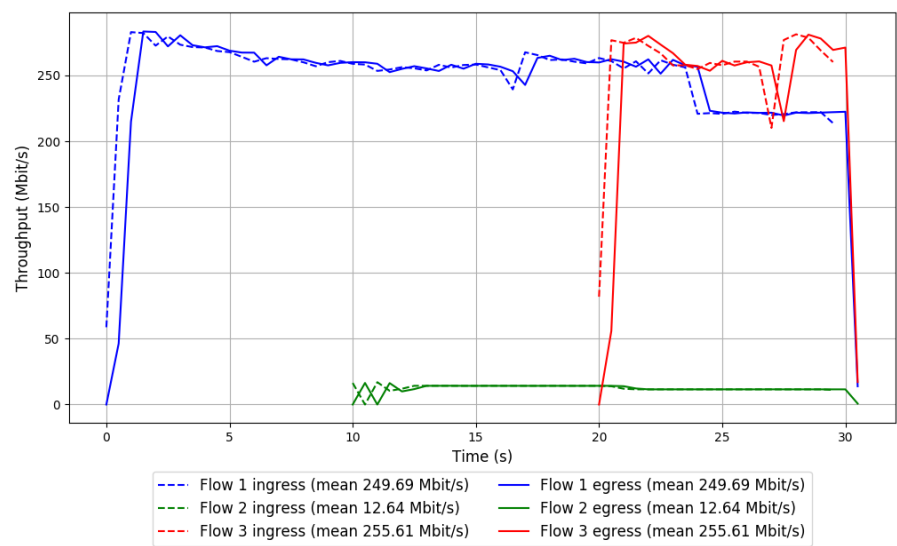
-- Flow 3:

Average throughput: 255.61 Mbit/s

95th percentile per-packet one-way delay: 50.658 ms

Loss rate: 0.00%

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

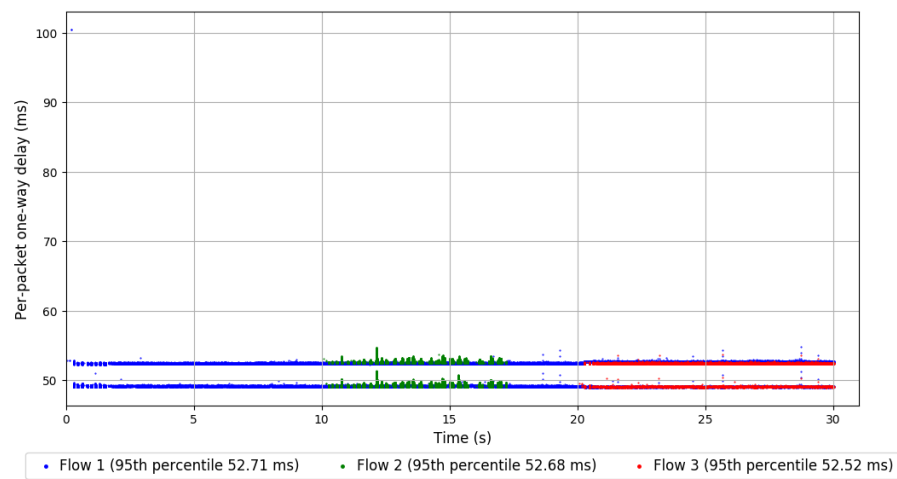
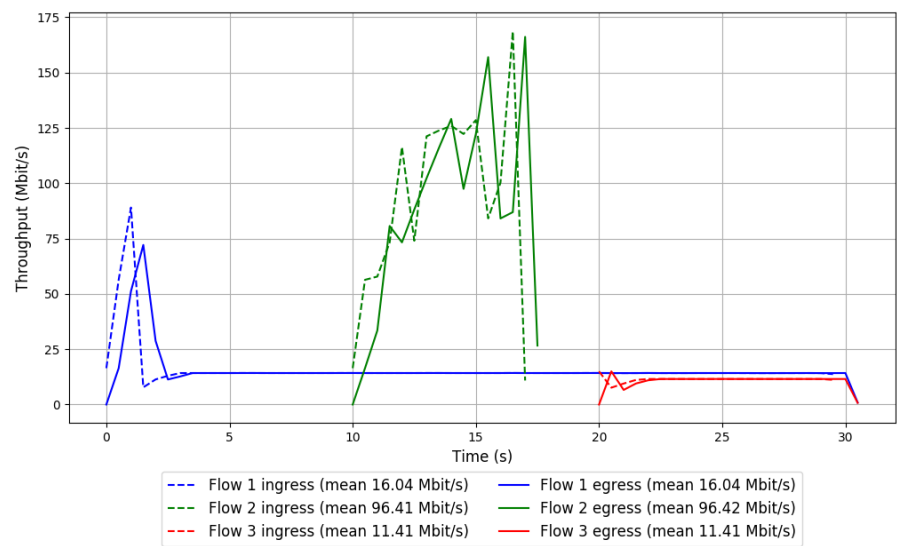


Run 3: Statistics of TaoVA-100x

Start at: 2018-07-05 19:30:49
End at: 2018-07-05 19:31:19
Local clock offset: -0.248 ms
Remote clock offset: -1.265 ms

Below is generated by plot.py at 2018-07-06 01:12:21
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 52.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.04 Mbit/s
95th percentile per-packet one-way delay: 52.708 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 52.683 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 11.41 Mbit/s
95th percentile per-packet one-way delay: 52.525 ms
Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-05 19:55:42

End at: 2018-07-05 19:56:12

Local clock offset: -0.017 ms

Remote clock offset: -0.23 ms

Below is generated by plot.py at 2018-07-06 01:12:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.91 Mbit/s

95th percentile per-packet one-way delay: 52.898 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.82 Mbit/s

95th percentile per-packet one-way delay: 52.926 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 53.114 ms

Loss rate: 0.00%

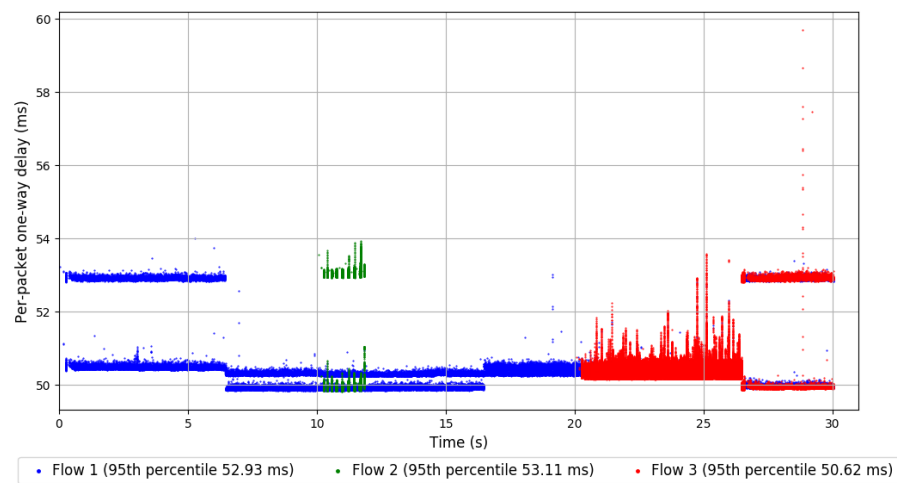
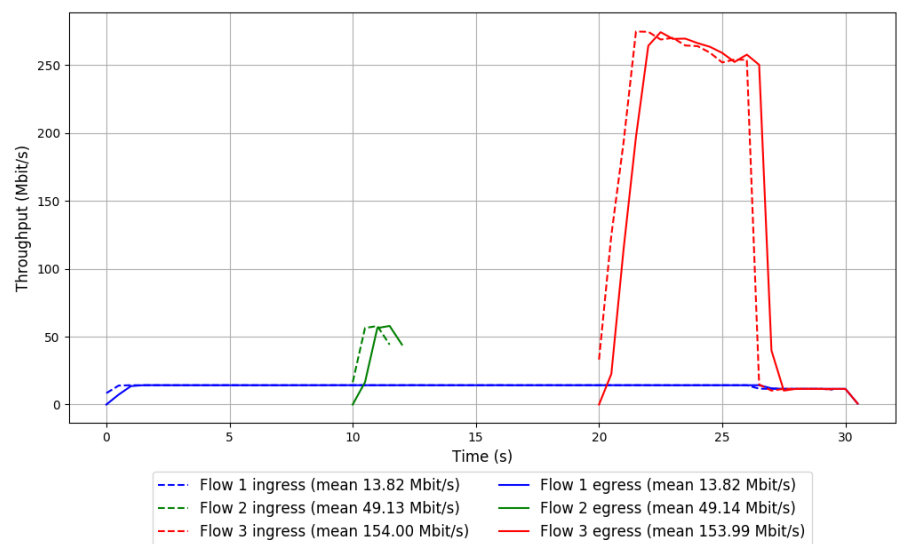
-- Flow 3:

Average throughput: 153.99 Mbit/s

95th percentile per-packet one-way delay: 50.617 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-05 20:20:25

End at: 2018-07-05 20:20:55

Local clock offset: -0.062 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at 2018-07-06 01:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 386.86 Mbit/s

95th percentile per-packet one-way delay: 53.010 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 195.09 Mbit/s

95th percentile per-packet one-way delay: 53.000 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 171.61 Mbit/s

95th percentile per-packet one-way delay: 53.028 ms

Loss rate: 0.00%

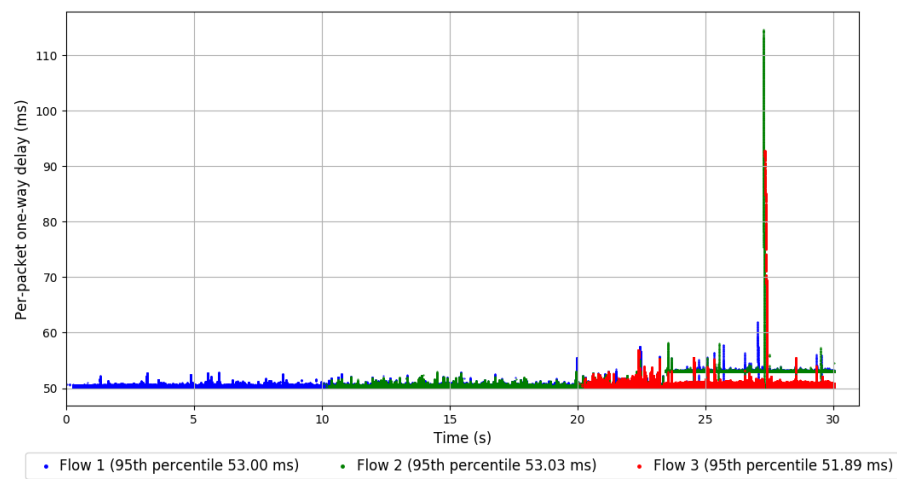
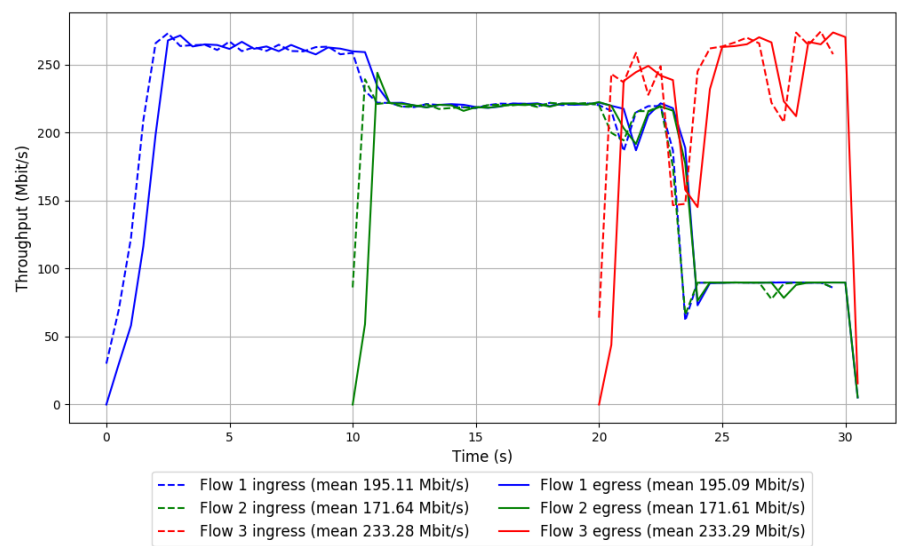
-- Flow 3:

Average throughput: 233.29 Mbit/s

95th percentile per-packet one-way delay: 51.889 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-05 20:45:43

End at: 2018-07-05 20:46:13

Local clock offset: -0.025 ms

Remote clock offset: 1.441 ms

Below is generated by plot.py at 2018-07-06 01:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 265.49 Mbit/s

95th percentile per-packet one-way delay: 52.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 244.09 Mbit/s

95th percentile per-packet one-way delay: 51.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 54.880 ms

Loss rate: 0.00%

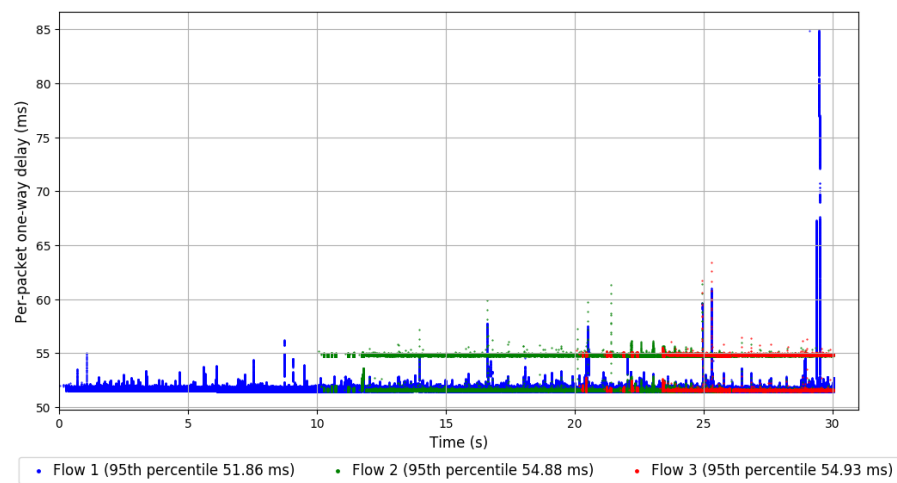
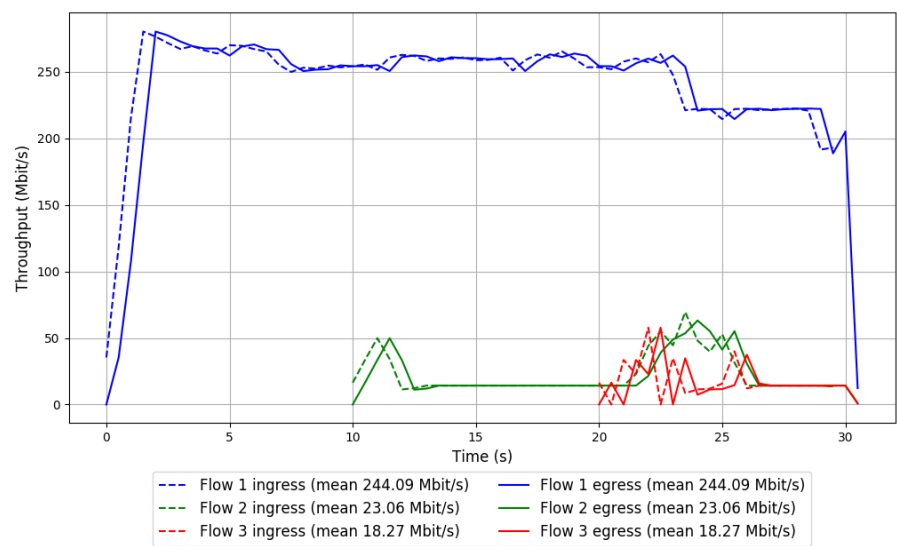
-- Flow 3:

Average throughput: 18.27 Mbit/s

95th percentile per-packet one-way delay: 54.931 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-05 21:10:47

End at: 2018-07-05 21:11:17

Local clock offset: -0.048 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at 2018-07-06 01:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.13 Mbit/s

95th percentile per-packet one-way delay: 53.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 53.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 53.972 ms

Loss rate: 0.00%

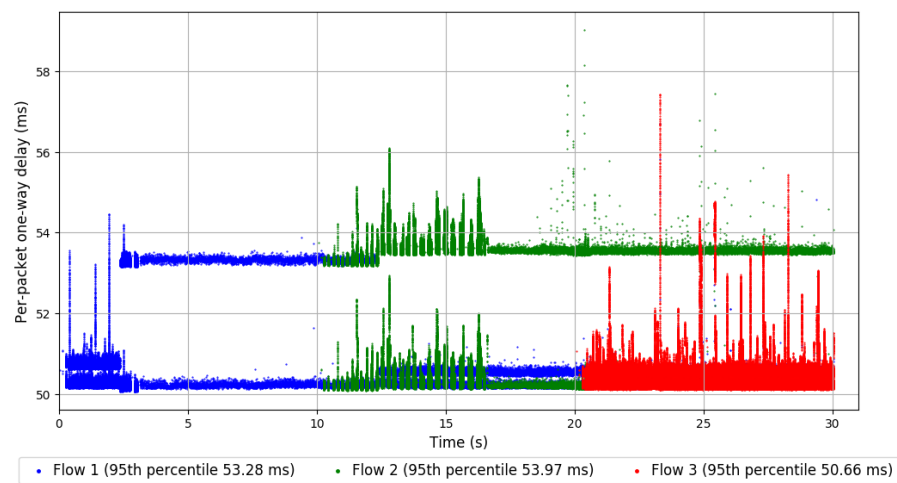
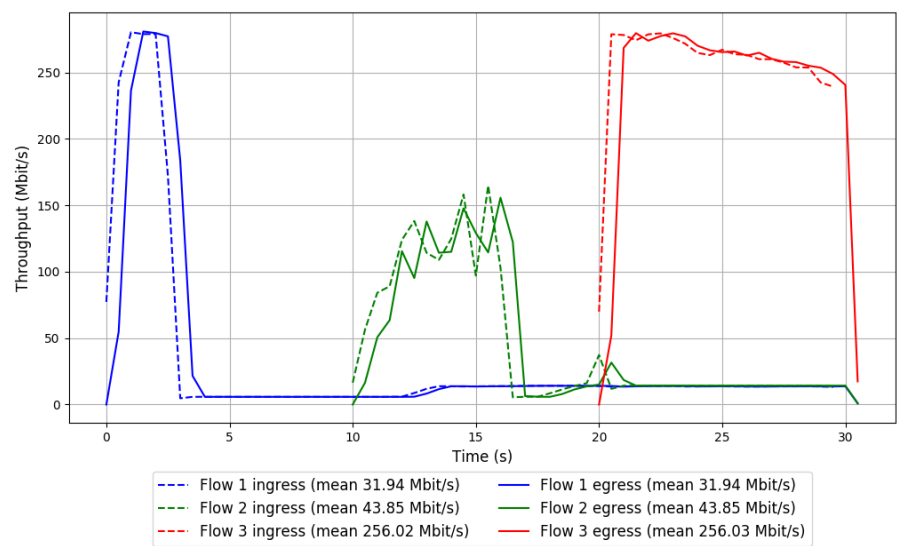
-- Flow 3:

Average throughput: 256.03 Mbit/s

95th percentile per-packet one-way delay: 50.662 ms

Loss rate: 0.00%

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

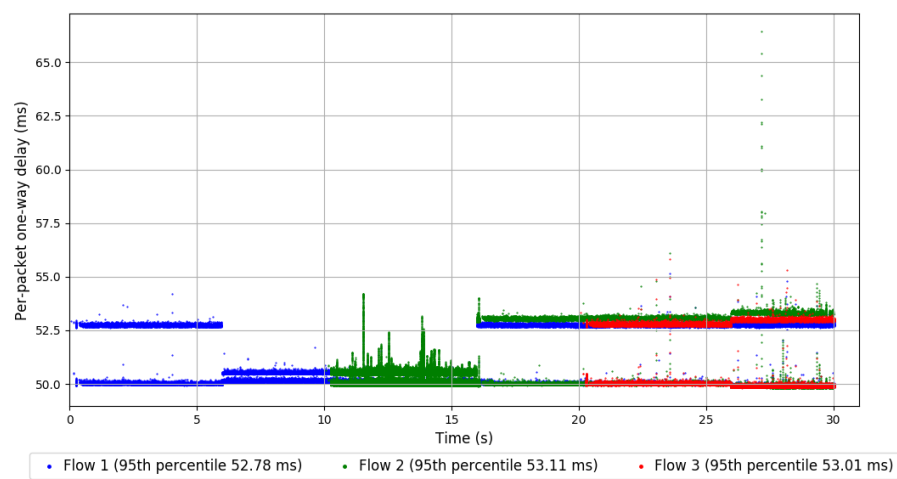
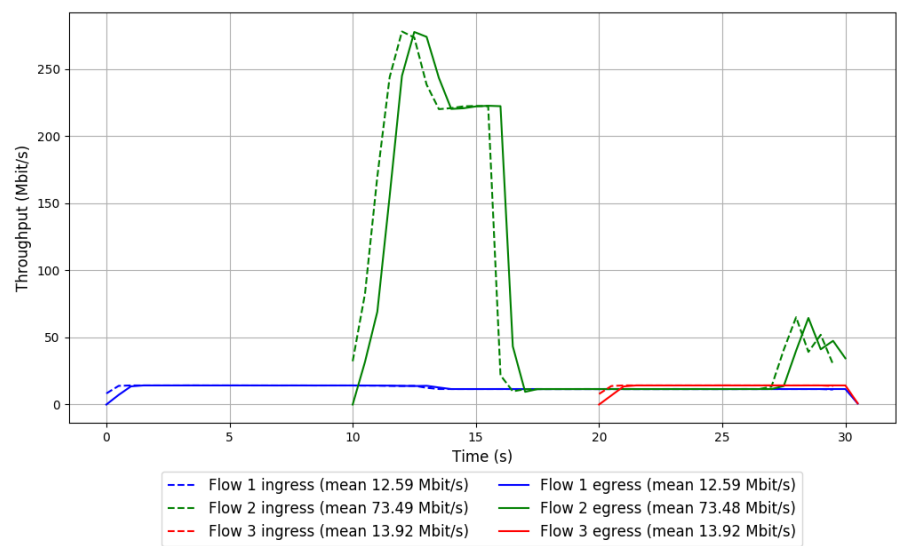


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-05 21:35:33
End at: 2018-07-05 21:36:03
Local clock offset: 0.061 ms
Remote clock offset: -0.159 ms

Below is generated by plot.py at 2018-07-06 01:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.04 Mbit/s
95th percentile per-packet one-way delay: 53.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 52.781 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.48 Mbit/s
95th percentile per-packet one-way delay: 53.114 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.92 Mbit/s
95th percentile per-packet one-way delay: 53.011 ms
Loss rate: 0.00%

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

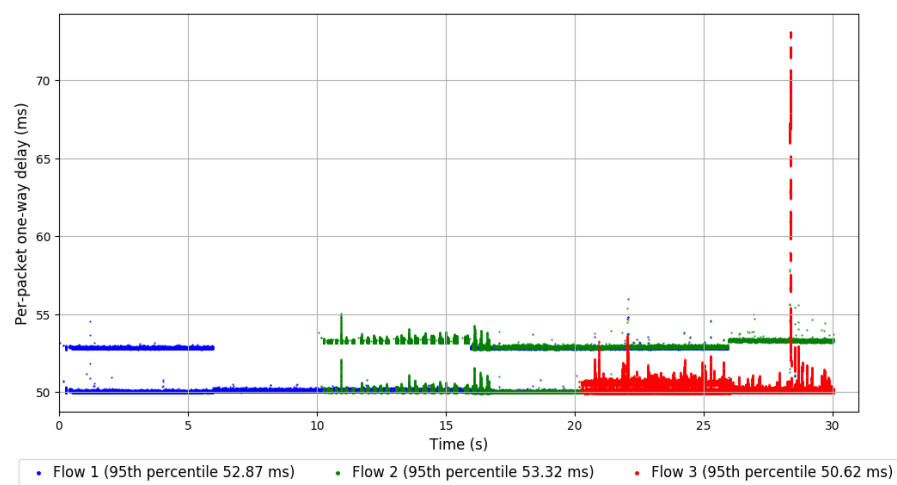
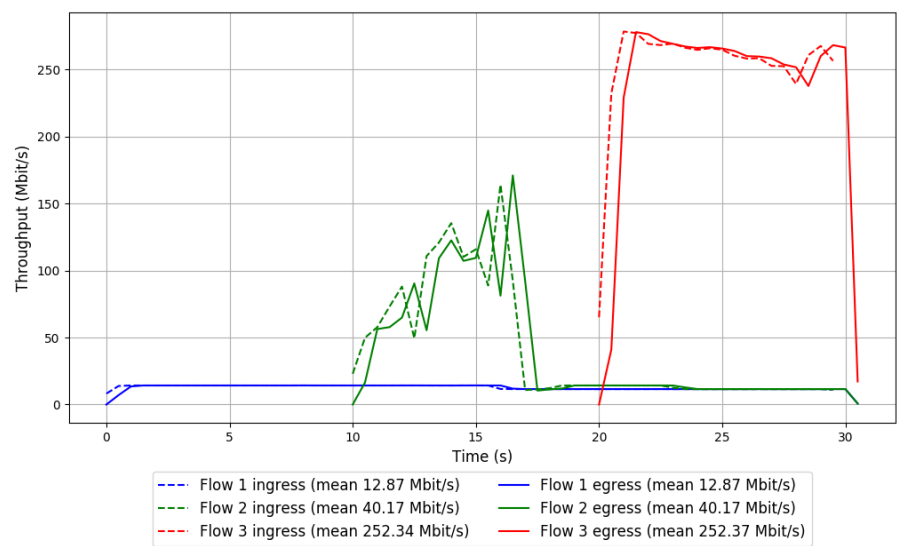


Run 9: Statistics of TaoVA-100x

Start at: 2018-07-05 22:00:33
End at: 2018-07-05 22:01:03
Local clock offset: -0.121 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-06 01:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 123.49 Mbit/s
95th percentile per-packet one-way delay: 53.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.87 Mbit/s
95th percentile per-packet one-way delay: 52.867 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 40.17 Mbit/s
95th percentile per-packet one-way delay: 53.318 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 252.37 Mbit/s
95th percentile per-packet one-way delay: 50.624 ms
Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-05 22:25:29

End at: 2018-07-05 22:25:59

Local clock offset: -0.082 ms

Remote clock offset: -0.11 ms

Below is generated by plot.py at 2018-07-06 01:14:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 274.62 Mbit/s

95th percentile per-packet one-way delay: 53.265 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 111.84 Mbit/s

95th percentile per-packet one-way delay: 53.404 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 253.57 Mbit/s

95th percentile per-packet one-way delay: 50.694 ms

Loss rate: 0.00%

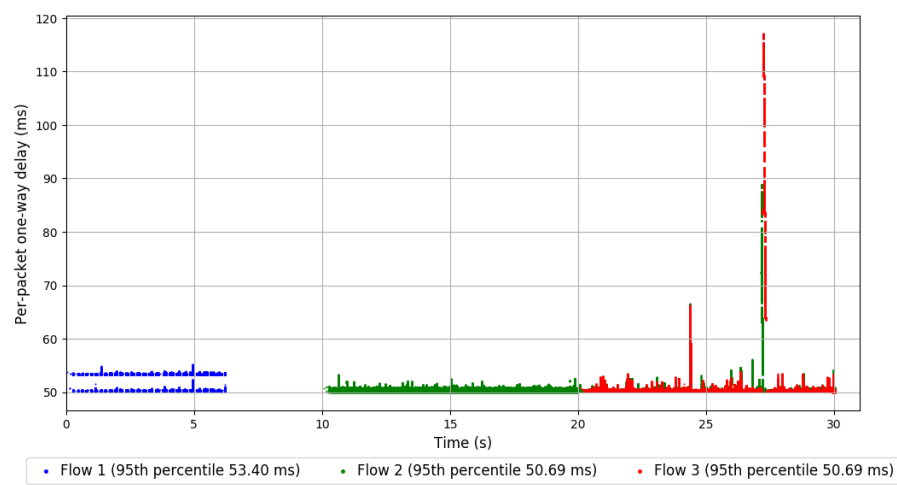
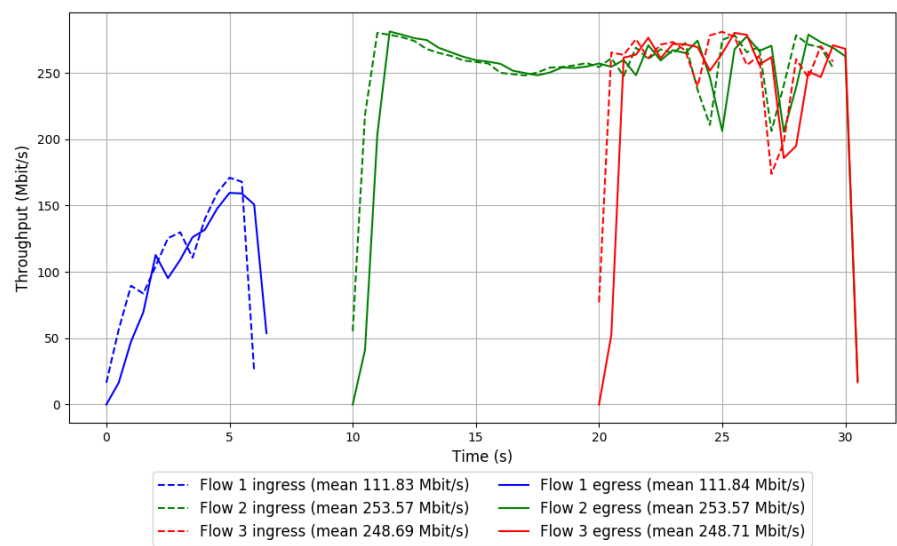
-- Flow 3:

Average throughput: 248.71 Mbit/s

95th percentile per-packet one-way delay: 50.692 ms

Loss rate: 0.00%

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

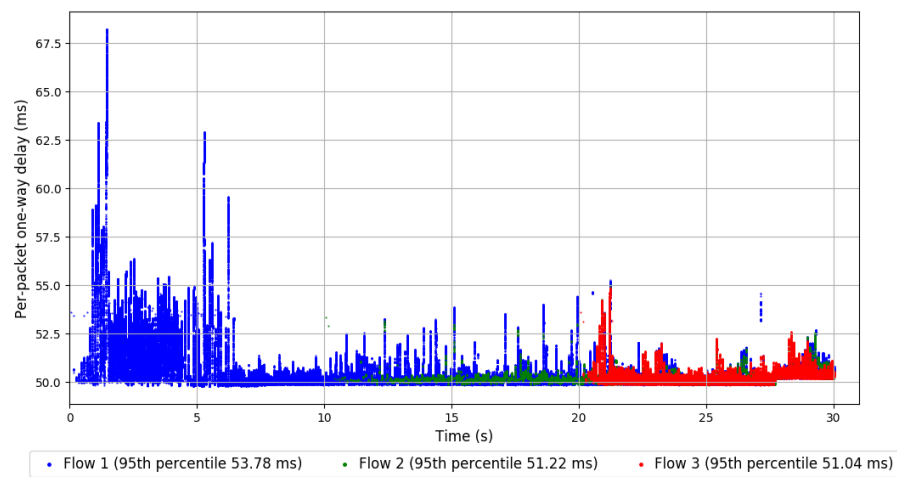
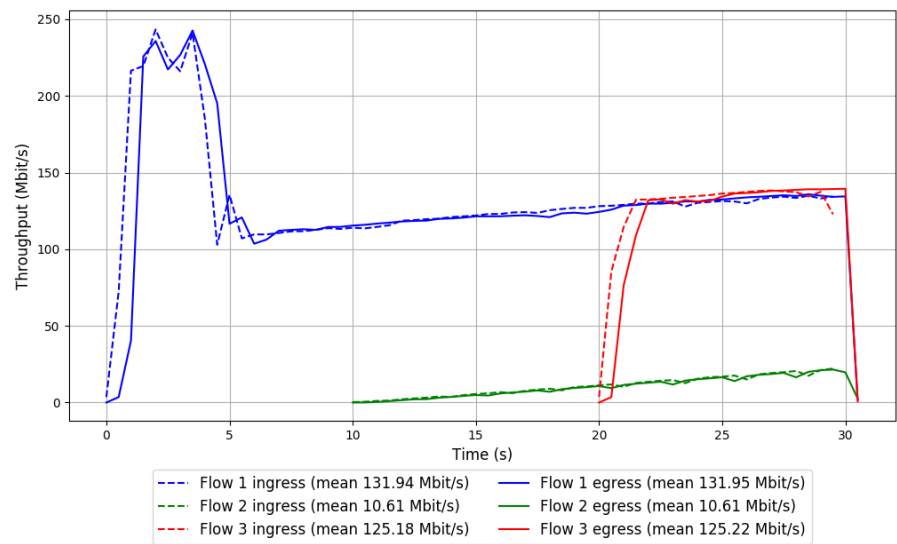


Run 1: Statistics of TCP Vegas

Start at: 2018-07-05 18:31:41
End at: 2018-07-05 18:32:11
Local clock offset: 0.081 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-06 01:14:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 180.53 Mbit/s
95th percentile per-packet one-way delay: 53.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.95 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 51.223 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 125.22 Mbit/s
95th percentile per-packet one-way delay: 51.036 ms
Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link

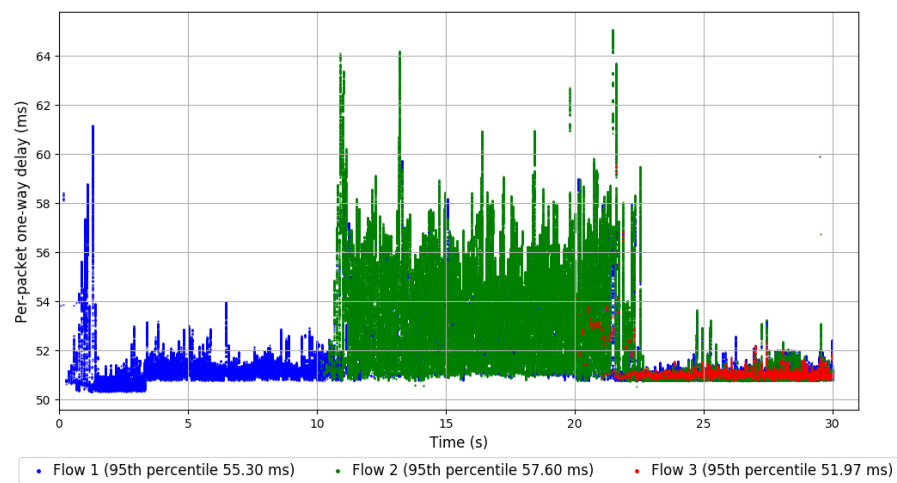
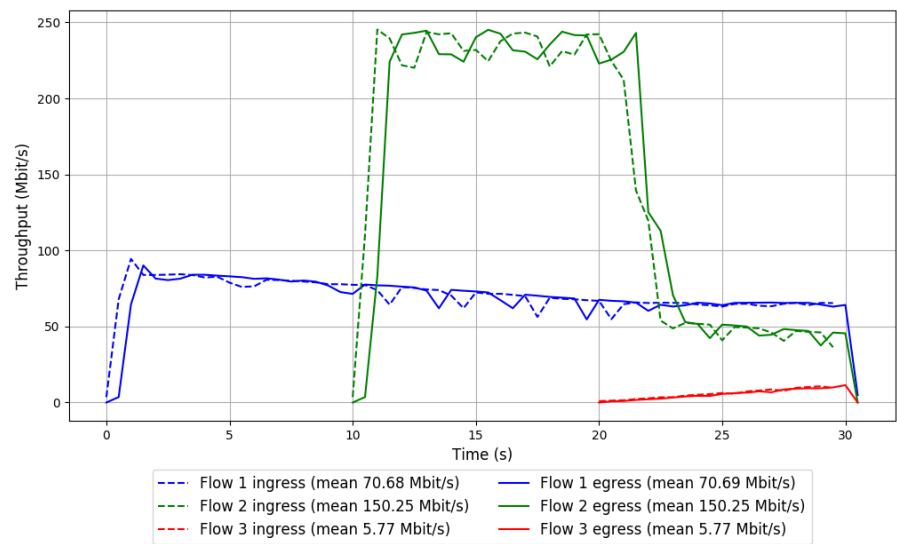


Run 2: Statistics of TCP Vegas

Start at: 2018-07-05 18:56:15
End at: 2018-07-05 18:56:46
Local clock offset: -0.212 ms
Remote clock offset: -0.101 ms

Below is generated by plot.py at 2018-07-06 01:14:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 172.58 Mbit/s
95th percentile per-packet one-way delay: 57.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.69 Mbit/s
95th percentile per-packet one-way delay: 55.302 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 150.25 Mbit/s
95th percentile per-packet one-way delay: 57.604 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 51.970 ms
Loss rate: 0.08%

Run 2: Report of TCP Vegas — Data Link

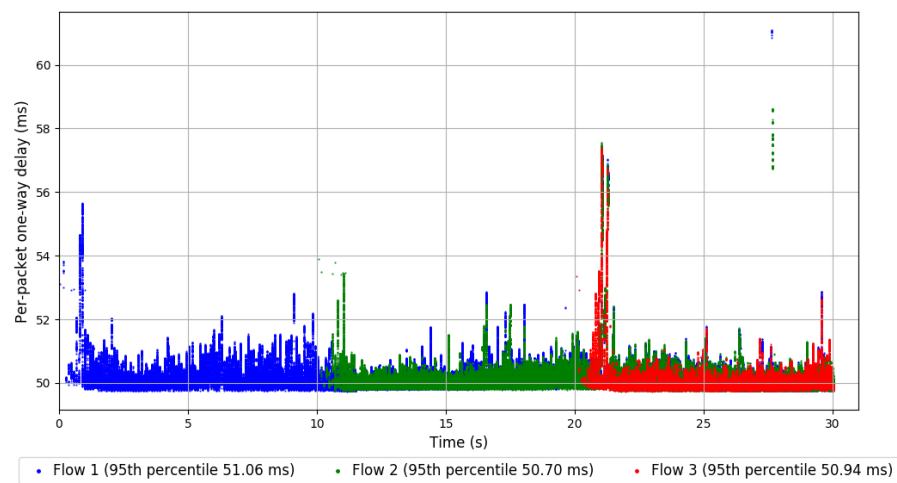
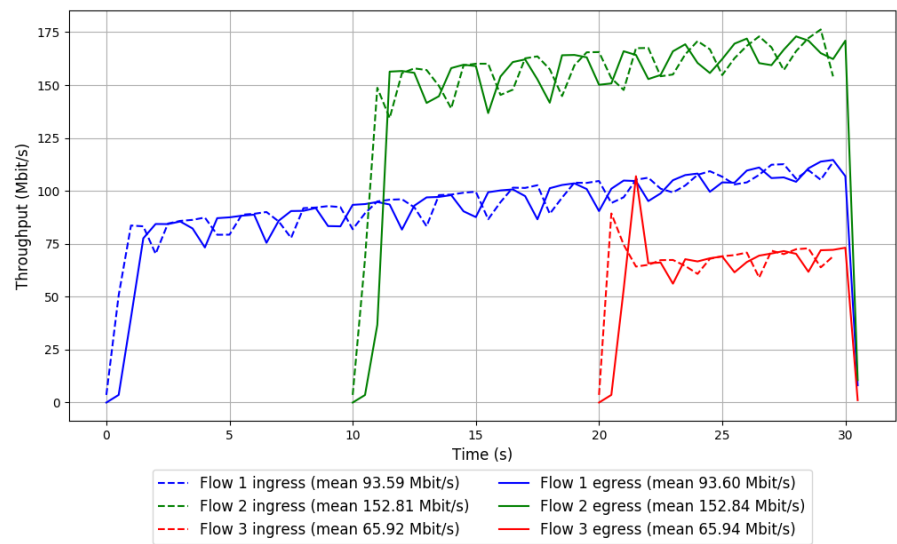


Run 3: Statistics of TCP Vegas

Start at: 2018-07-05 19:21:27
End at: 2018-07-05 19:21:57
Local clock offset: 0.028 ms
Remote clock offset: -0.253 ms

Below is generated by plot.py at 2018-07-06 01:14:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.30 Mbit/s
95th percentile per-packet one-way delay: 50.925 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 51.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.84 Mbit/s
95th percentile per-packet one-way delay: 50.700 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 50.944 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-05 19:46:09

End at: 2018-07-05 19:46:39

Local clock offset: -0.17 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-06 01:14:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.74 Mbit/s

95th percentile per-packet one-way delay: 51.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 51.272 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 86.00 Mbit/s

95th percentile per-packet one-way delay: 51.297 ms

Loss rate: 0.00%

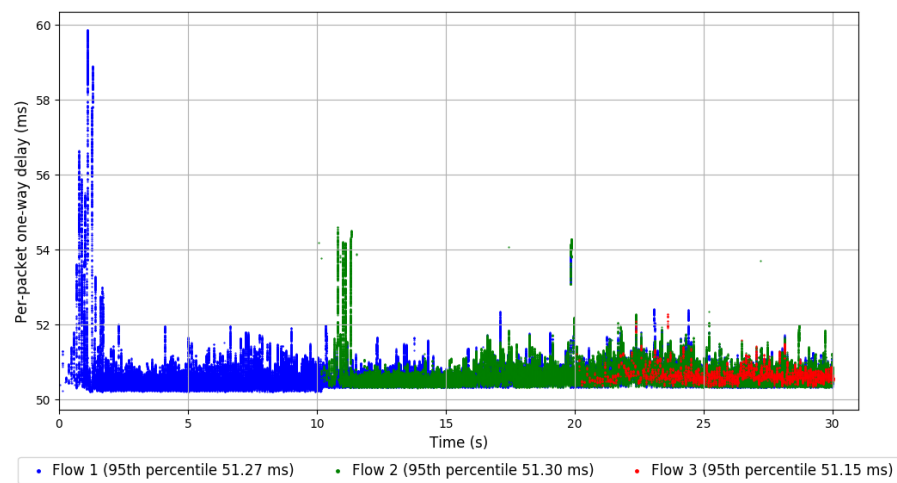
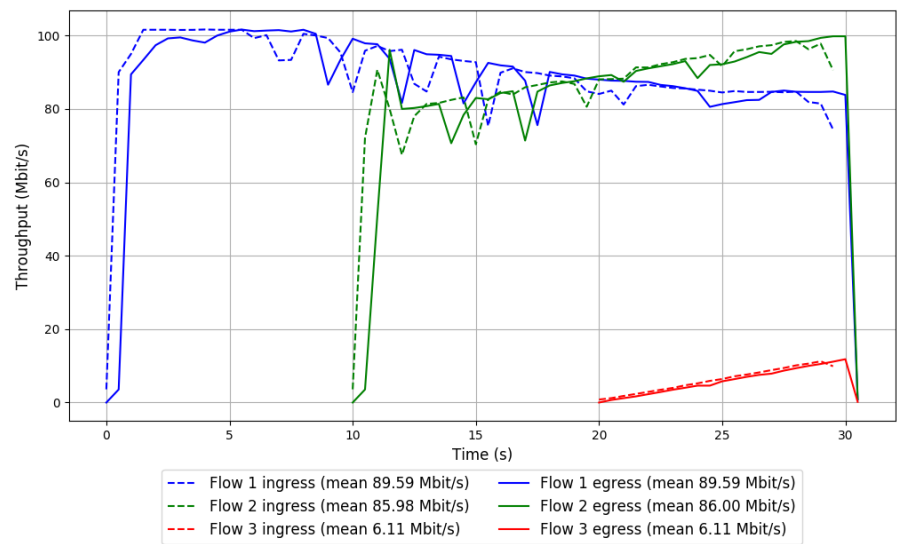
-- Flow 3:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 51.153 ms

Loss rate: 0.10%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-05 20:10:48

End at: 2018-07-05 20:11:18

Local clock offset: -0.234 ms

Remote clock offset: 0.097 ms

Below is generated by plot.py at 2018-07-06 01:14:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.28 Mbit/s

95th percentile per-packet one-way delay: 52.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.27 Mbit/s

95th percentile per-packet one-way delay: 52.381 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 51.725 ms

Loss rate: 0.00%

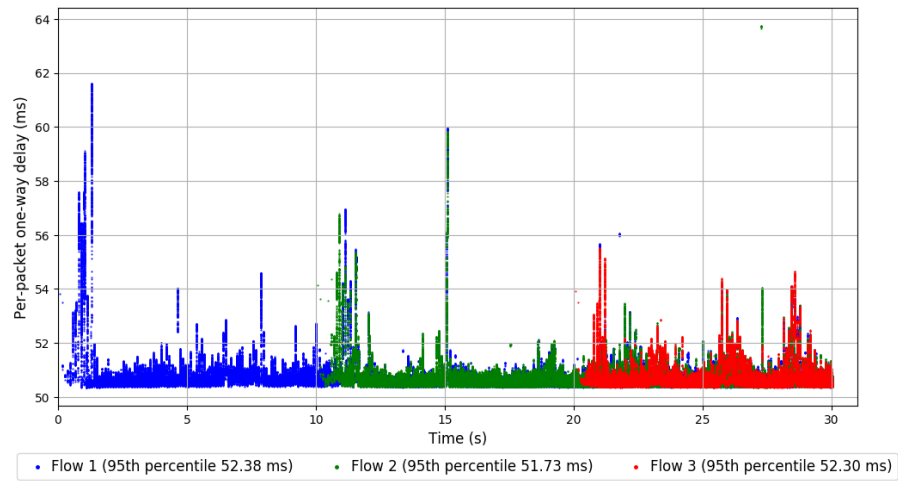
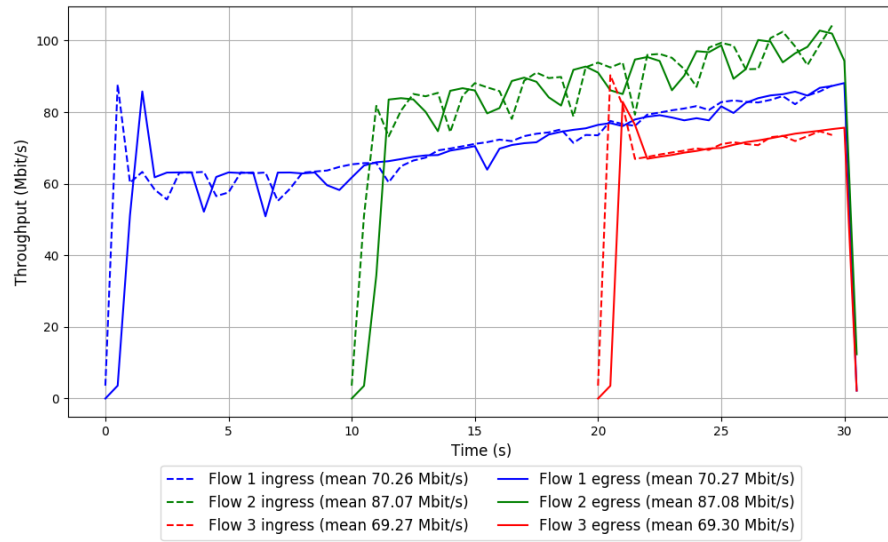
-- Flow 3:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 52.303 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-05 20:36:18

End at: 2018-07-05 20:36:48

Local clock offset: -0.156 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-06 01:14:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.93 Mbit/s

95th percentile per-packet one-way delay: 51.590 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 101.00 Mbit/s

95th percentile per-packet one-way delay: 51.813 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 69.57 Mbit/s

95th percentile per-packet one-way delay: 51.267 ms

Loss rate: 0.00%

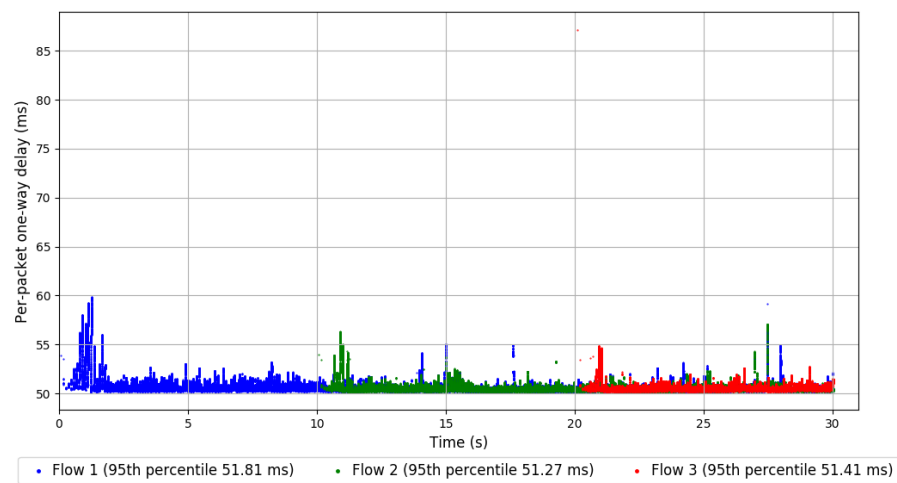
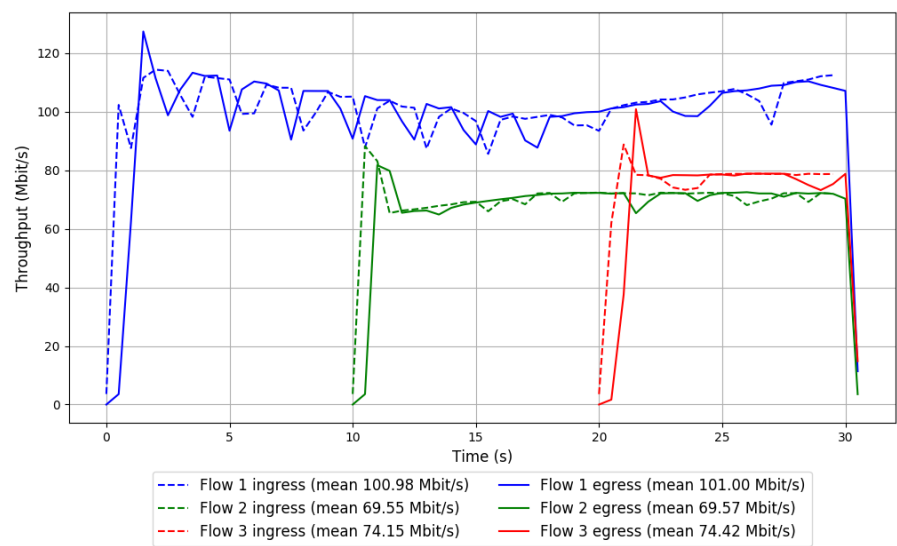
-- Flow 3:

Average throughput: 74.42 Mbit/s

95th percentile per-packet one-way delay: 51.411 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

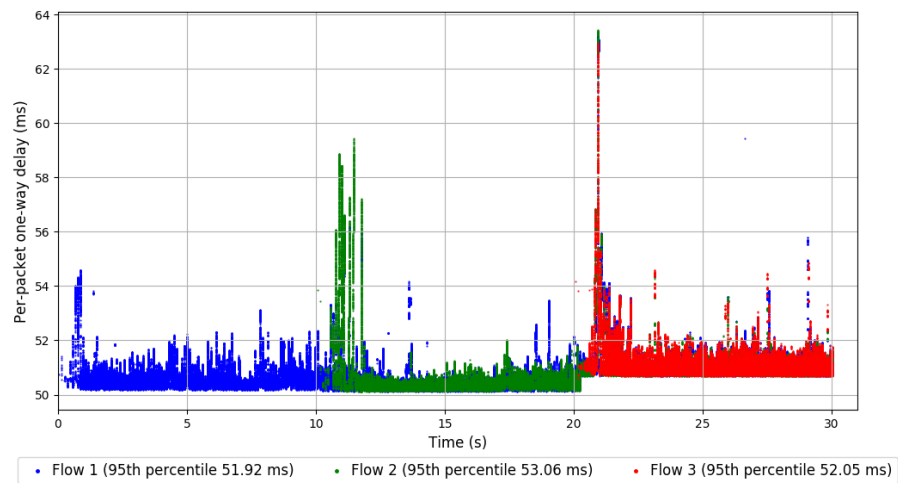
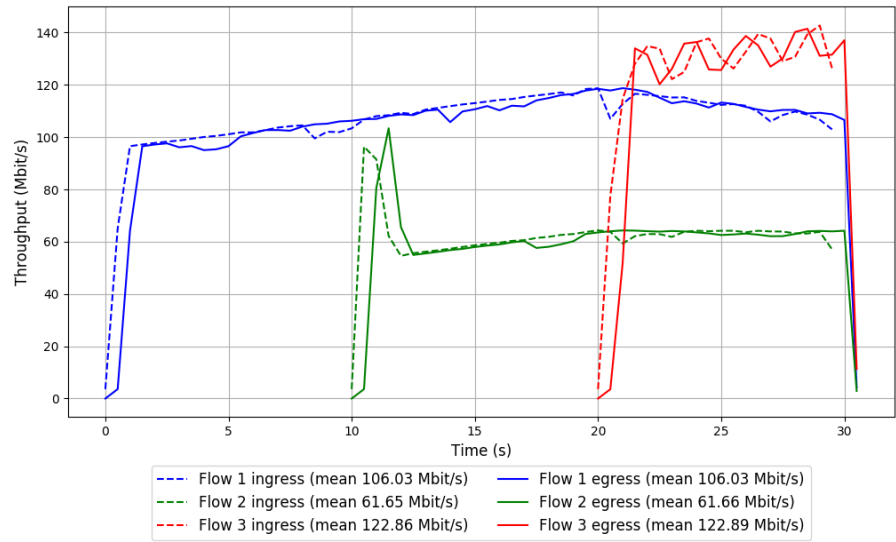


Run 7: Statistics of TCP Vegas

Start at: 2018-07-05 21:01:19
End at: 2018-07-05 21:01:49
Local clock offset: -0.267 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-06 01:14:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 187.91 Mbit/s
95th percentile per-packet one-way delay: 52.073 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.03 Mbit/s
95th percentile per-packet one-way delay: 51.918 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 53.058 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.89 Mbit/s
95th percentile per-packet one-way delay: 52.049 ms
Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-07-05 21:26:04

End at: 2018-07-05 21:26:34

Local clock offset: 0.123 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-06 01:14:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 183.72 Mbit/s

95th percentile per-packet one-way delay: 51.055 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 51.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 157.96 Mbit/s

95th percentile per-packet one-way delay: 50.915 ms

Loss rate: 0.00%

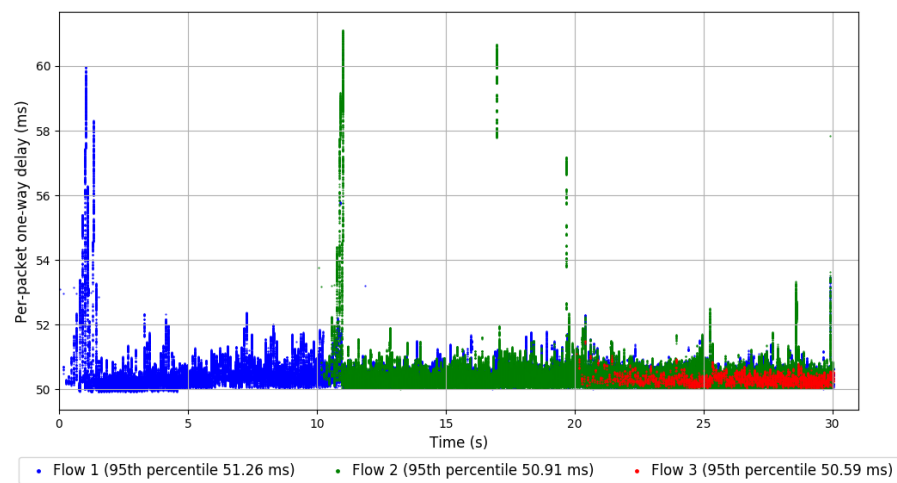
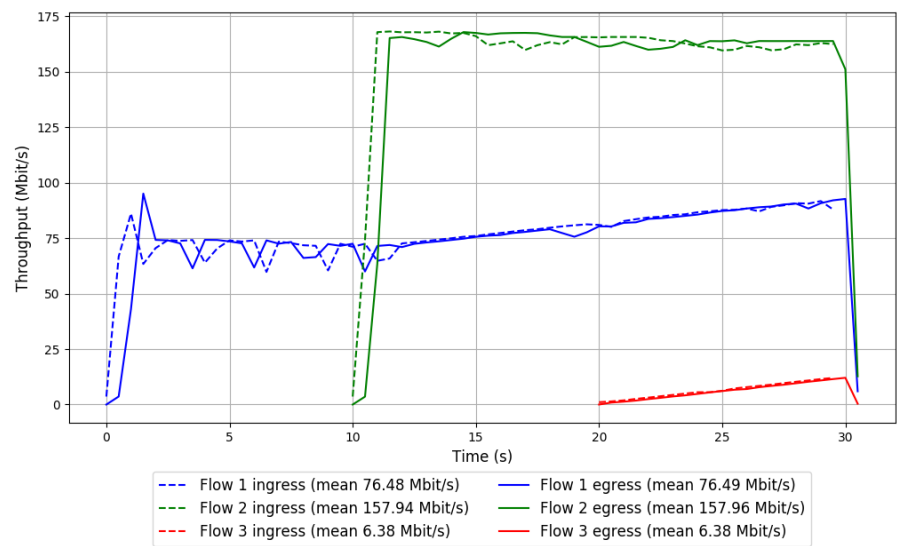
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 50.595 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-05 21:50:55

End at: 2018-07-05 21:51:25

Local clock offset: 0.214 ms

Remote clock offset: 0.07 ms

Below is generated by plot.py at 2018-07-06 01:14:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.69 Mbit/s

95th percentile per-packet one-way delay: 52.128 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 97.41 Mbit/s

95th percentile per-packet one-way delay: 53.219 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 73.60 Mbit/s

95th percentile per-packet one-way delay: 51.194 ms

Loss rate: 0.00%

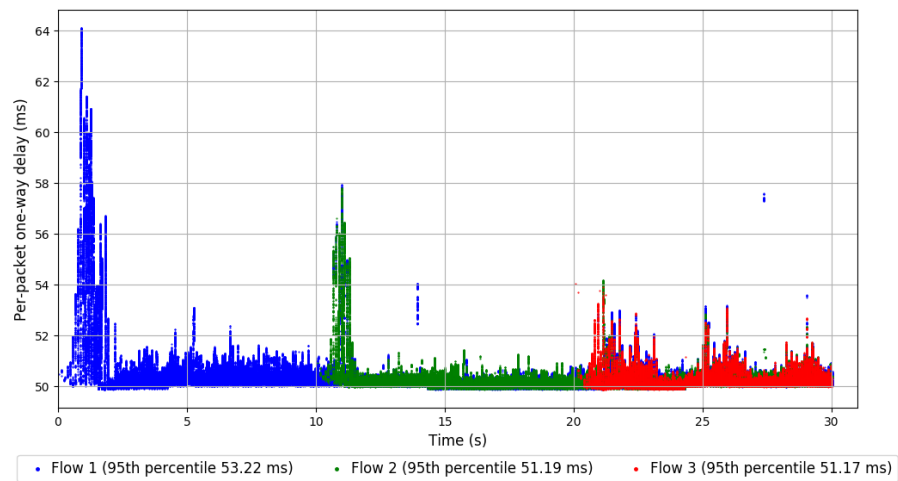
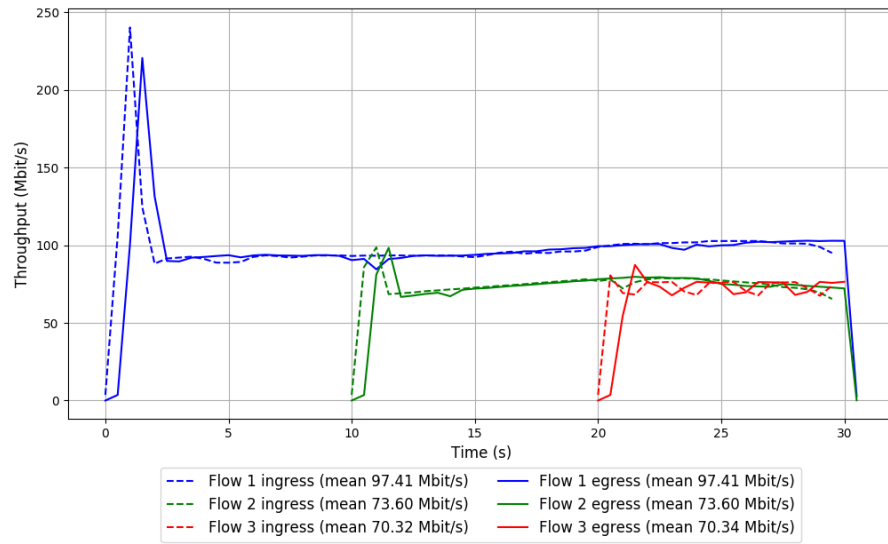
-- Flow 3:

Average throughput: 70.34 Mbit/s

95th percentile per-packet one-way delay: 51.169 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2018-07-05 22:16:02

End at: 2018-07-05 22:16:32

Local clock offset: -0.184 ms

Remote clock offset: 0.177 ms

Below is generated by plot.py at 2018-07-06 01:15:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 243.56 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 126.70 Mbit/s

95th percentile per-packet one-way delay: 52.715 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 145.31 Mbit/s

95th percentile per-packet one-way delay: 52.019 ms

Loss rate: 0.00%

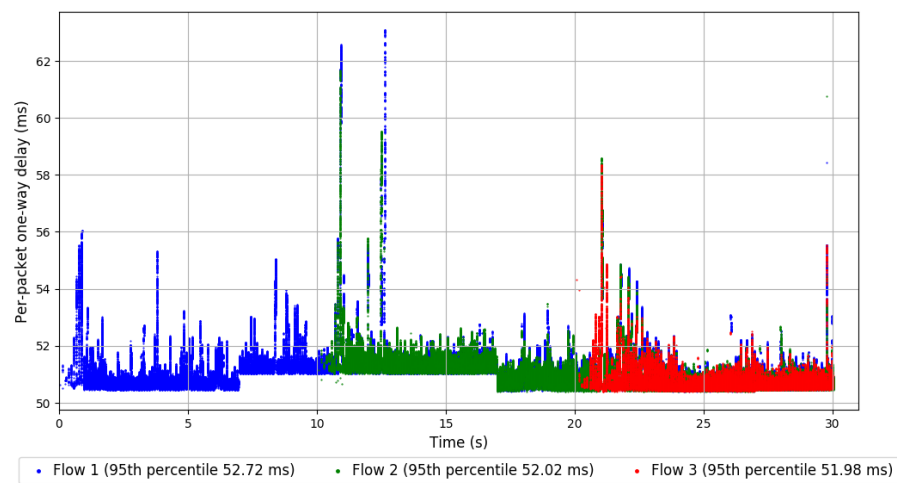
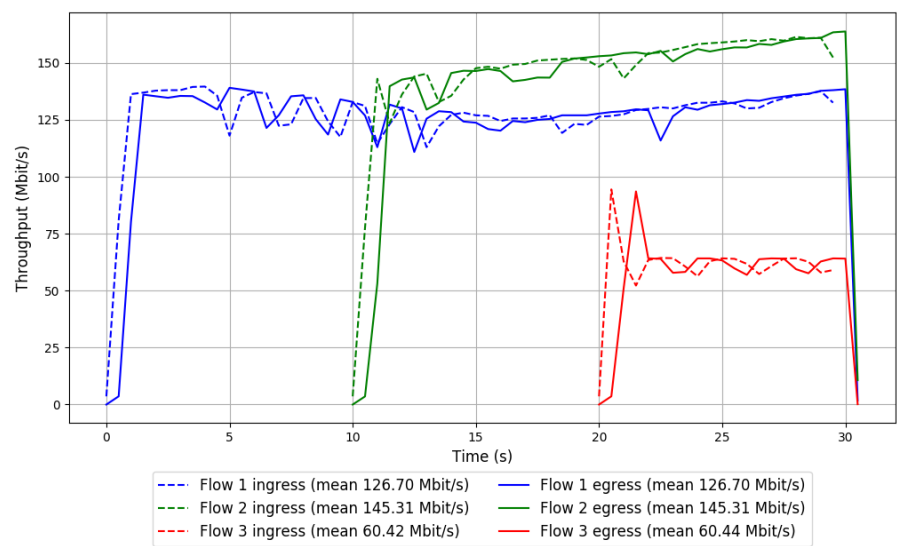
-- Flow 3:

Average throughput: 60.44 Mbit/s

95th percentile per-packet one-way delay: 51.980 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

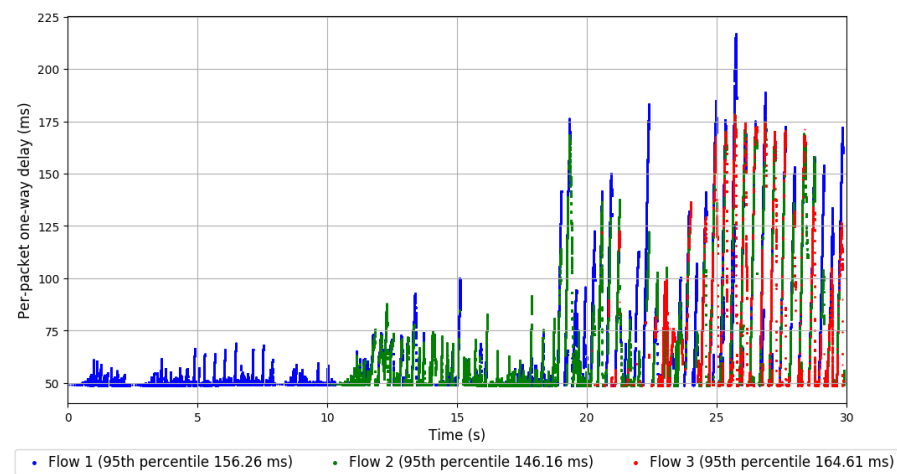
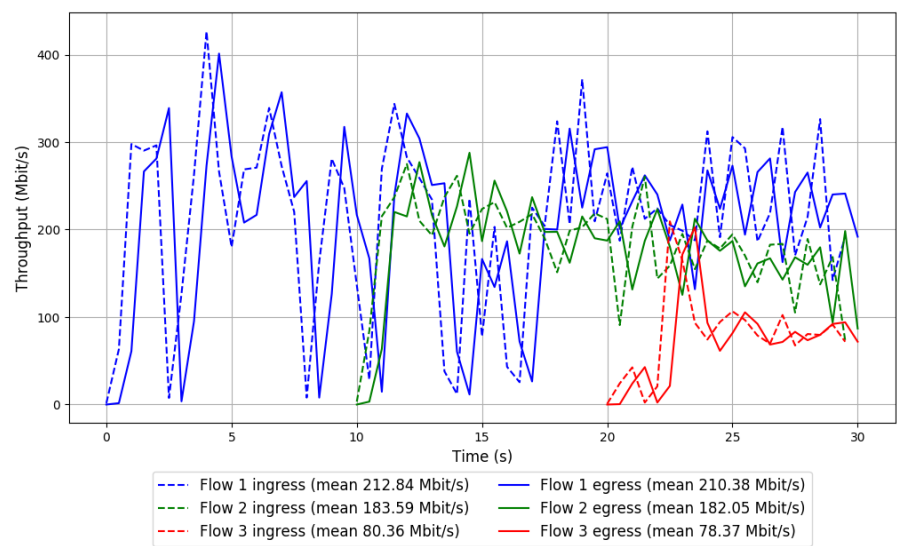


Run 1: Statistics of Verus

Start at: 2018-07-05 18:45:03
End at: 2018-07-05 18:45:33
Local clock offset: 0.035 ms
Remote clock offset: -1.314 ms

Below is generated by plot.py at 2018-07-06 01:18:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.70 Mbit/s
95th percentile per-packet one-way delay: 153.390 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 210.38 Mbit/s
95th percentile per-packet one-way delay: 156.265 ms
Loss rate: 0.78%
-- Flow 2:
Average throughput: 182.05 Mbit/s
95th percentile per-packet one-way delay: 146.161 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 164.608 ms
Loss rate: 2.47%

Run 1: Report of Verus — Data Link

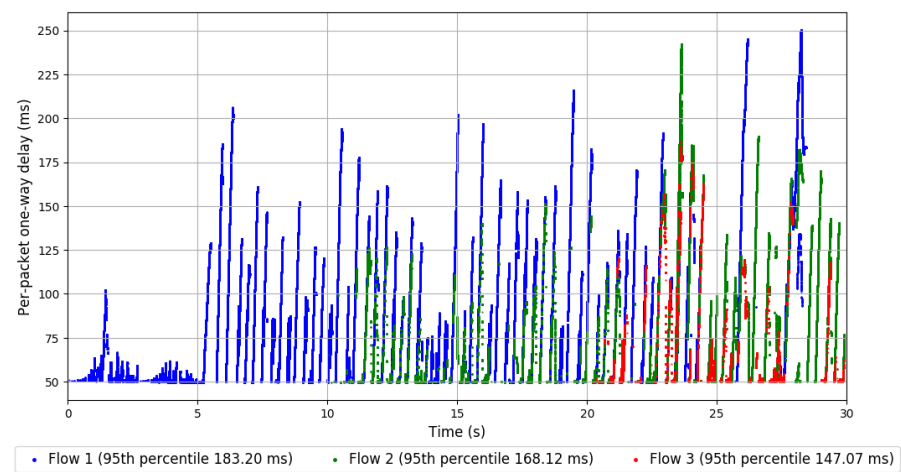
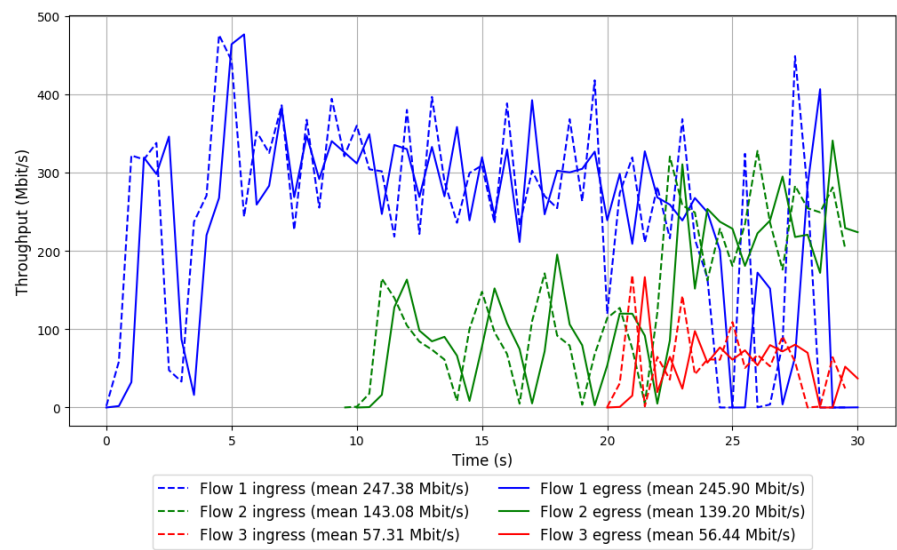


Run 2: Statistics of Verus

Start at: 2018-07-05 19:10:06
End at: 2018-07-05 19:10:36
Local clock offset: -0.02 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-07-06 01:18:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.84 Mbit/s
95th percentile per-packet one-way delay: 179.087 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 245.90 Mbit/s
95th percentile per-packet one-way delay: 183.198 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 139.20 Mbit/s
95th percentile per-packet one-way delay: 168.122 ms
Loss rate: 2.77%
-- Flow 3:
Average throughput: 56.44 Mbit/s
95th percentile per-packet one-way delay: 147.068 ms
Loss rate: 2.39%

Run 2: Report of Verus — Data Link

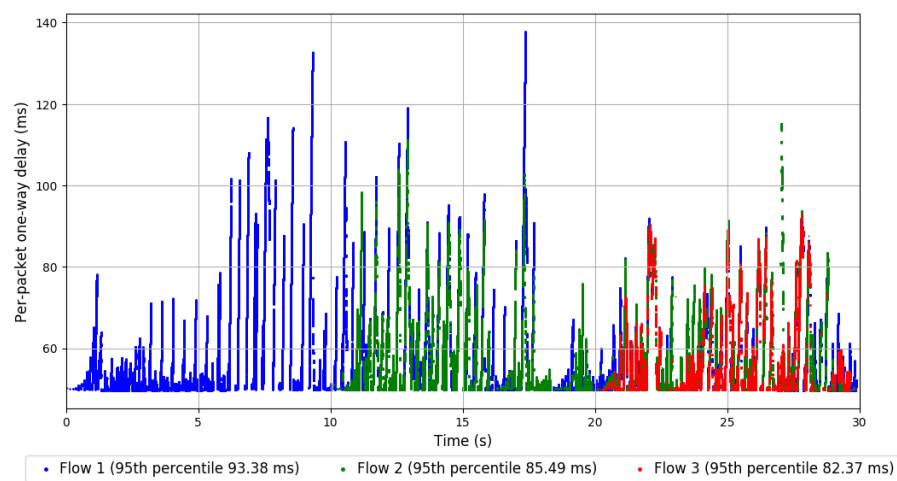
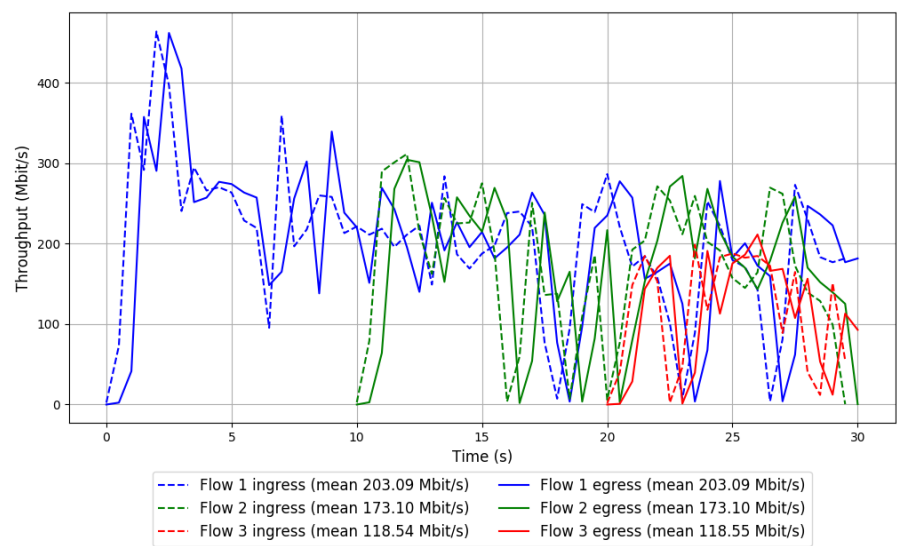


Run 3: Statistics of Verus

Start at: 2018-07-05 19:34:42
End at: 2018-07-05 19:35:12
Local clock offset: 0.012 ms
Remote clock offset: -0.313 ms

Below is generated by plot.py at 2018-07-06 01:19:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.49 Mbit/s
95th percentile per-packet one-way delay: 88.787 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.09 Mbit/s
95th percentile per-packet one-way delay: 93.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.10 Mbit/s
95th percentile per-packet one-way delay: 85.492 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.55 Mbit/s
95th percentile per-packet one-way delay: 82.368 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

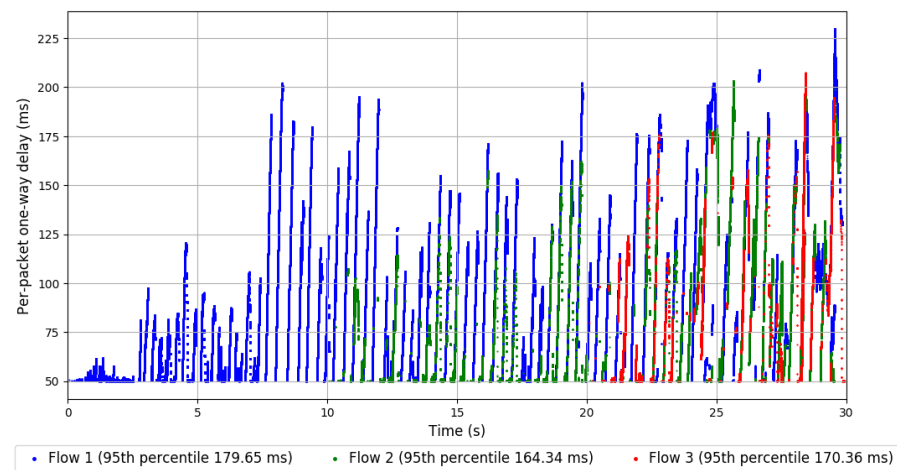
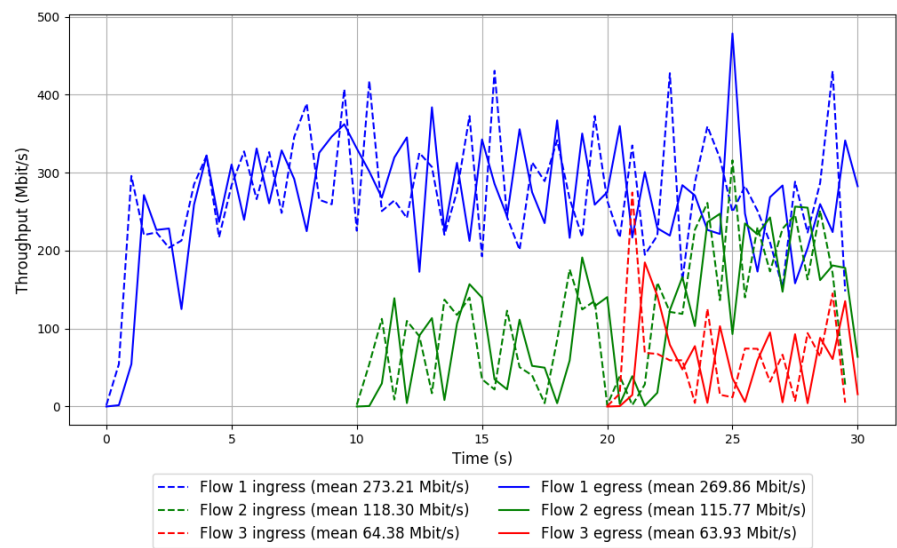


Run 4: Statistics of Verus

Start at: 2018-07-05 19:59:37
End at: 2018-07-05 20:00:07
Local clock offset: -0.147 ms
Remote clock offset: -0.254 ms

Below is generated by plot.py at 2018-07-06 01:20:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.39 Mbit/s
95th percentile per-packet one-way delay: 177.563 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 269.86 Mbit/s
95th percentile per-packet one-way delay: 179.654 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 164.339 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 170.363 ms
Loss rate: 1.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-05 20:24:52

End at: 2018-07-05 20:25:22

Local clock offset: 0.009 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-06 01:21:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.28 Mbit/s

95th percentile per-packet one-way delay: 135.612 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 226.72 Mbit/s

95th percentile per-packet one-way delay: 133.505 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 175.32 Mbit/s

95th percentile per-packet one-way delay: 146.667 ms

Loss rate: 0.14%

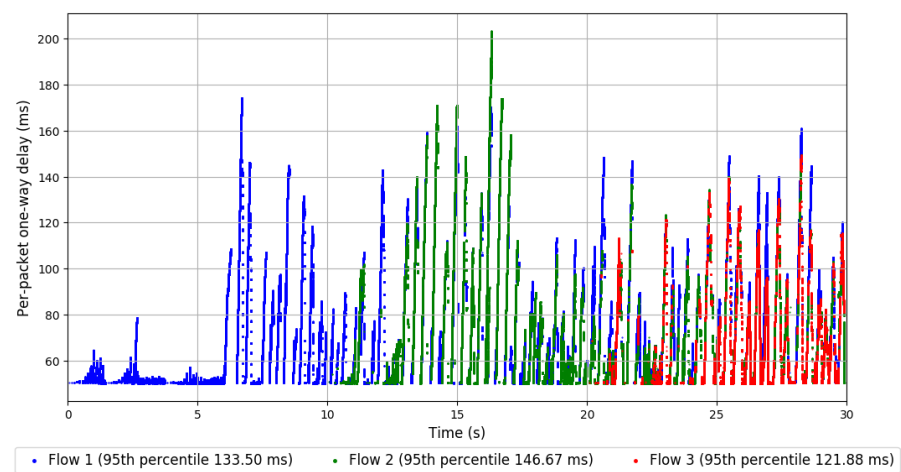
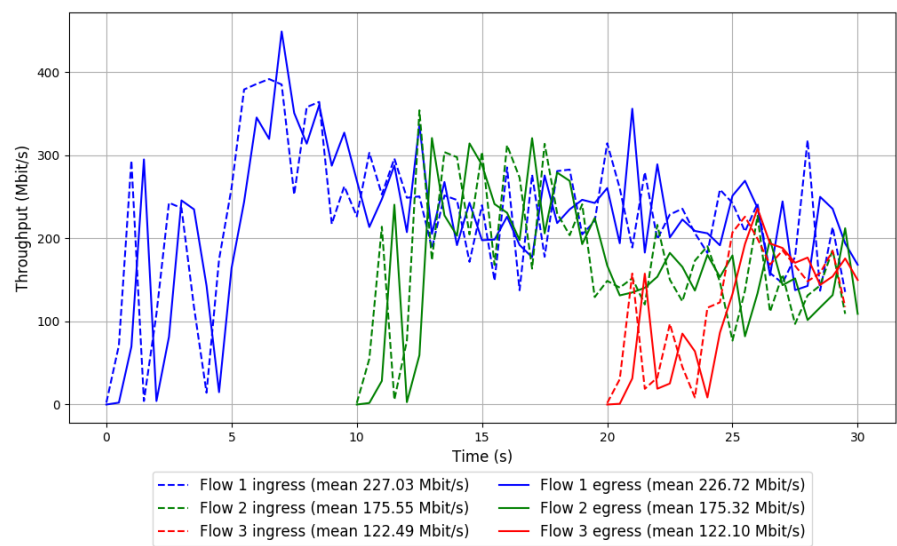
-- Flow 3:

Average throughput: 122.10 Mbit/s

95th percentile per-packet one-way delay: 121.882 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link

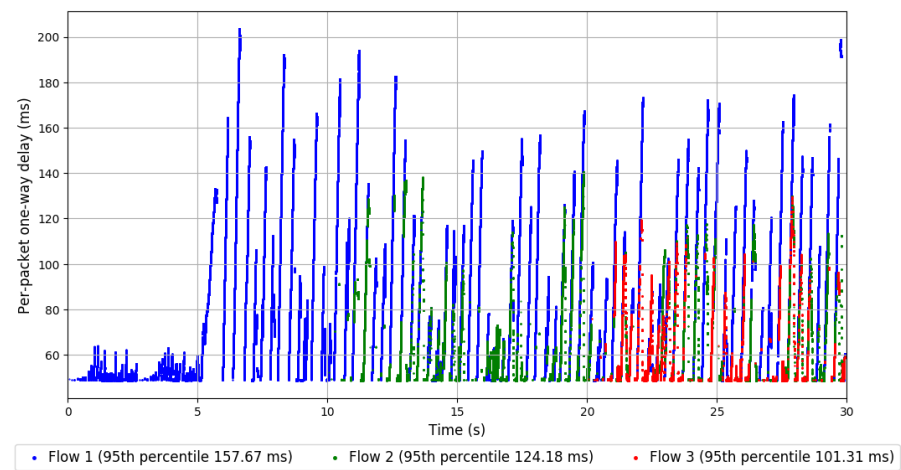
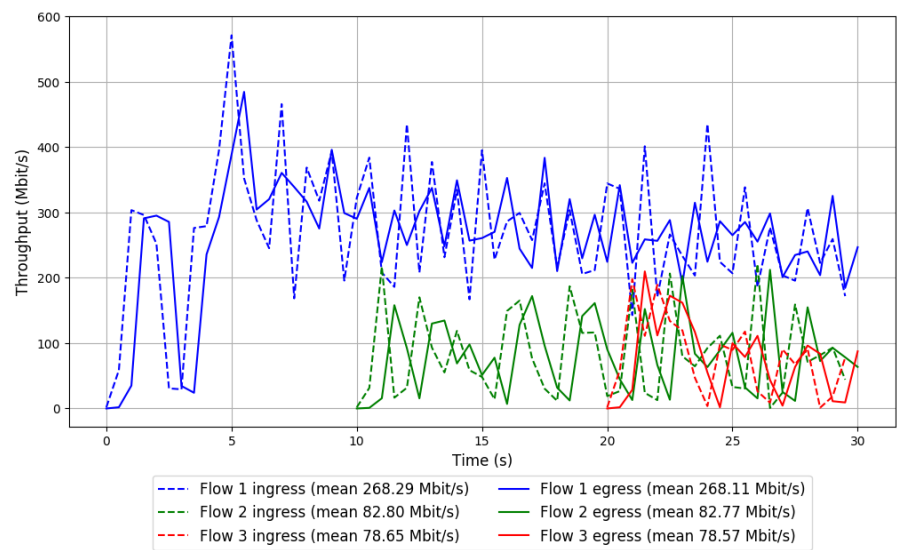


Run 6: Statistics of Verus

Start at: 2018-07-05 20:49:54
End at: 2018-07-05 20:50:24
Local clock offset: -0.062 ms
Remote clock offset: -1.367 ms

Below is generated by plot.py at 2018-07-06 01:21:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 349.08 Mbit/s
95th percentile per-packet one-way delay: 151.959 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 268.11 Mbit/s
95th percentile per-packet one-way delay: 157.674 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 124.178 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 78.57 Mbit/s
95th percentile per-packet one-way delay: 101.310 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-07-05 21:14:48

End at: 2018-07-05 21:15:18

Local clock offset: -0.05 ms

Remote clock offset: 0.968 ms

Below is generated by plot.py at 2018-07-06 01:21:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.62 Mbit/s

95th percentile per-packet one-way delay: 161.449 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 213.16 Mbit/s

95th percentile per-packet one-way delay: 132.139 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 191.63 Mbit/s

95th percentile per-packet one-way delay: 176.647 ms

Loss rate: 0.64%

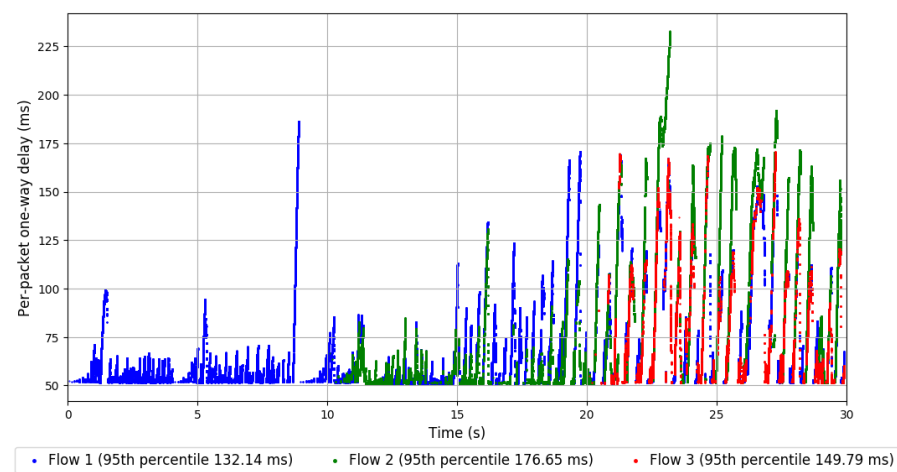
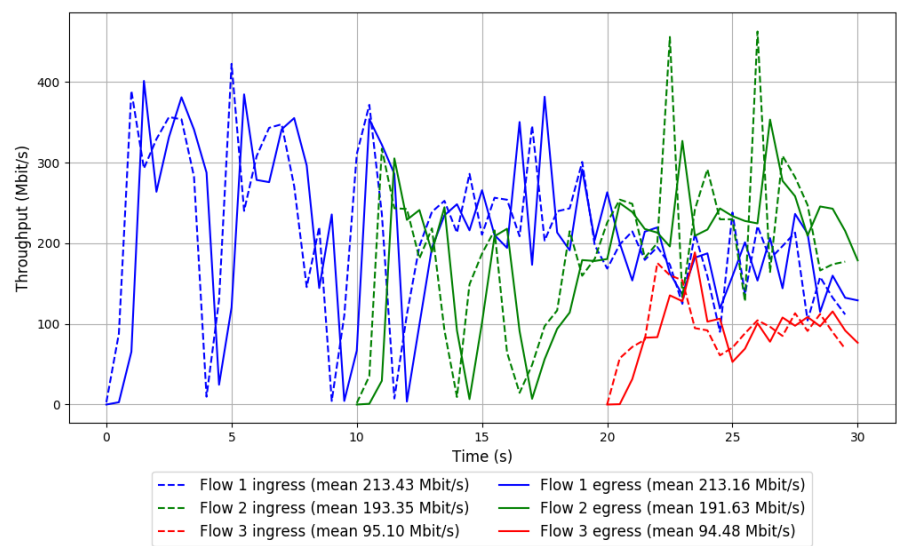
-- Flow 3:

Average throughput: 94.48 Mbit/s

95th percentile per-packet one-way delay: 149.795 ms

Loss rate: 0.65%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-05 21:39:28

End at: 2018-07-05 21:39:58

Local clock offset: -0.098 ms

Remote clock offset: 0.217 ms

Below is generated by plot.py at 2018-07-06 01:23:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.07 Mbit/s

95th percentile per-packet one-way delay: 157.066 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 229.87 Mbit/s

95th percentile per-packet one-way delay: 157.106 ms

Loss rate: 0.99%

-- Flow 2:

Average throughput: 198.86 Mbit/s

95th percentile per-packet one-way delay: 158.641 ms

Loss rate: 1.29%

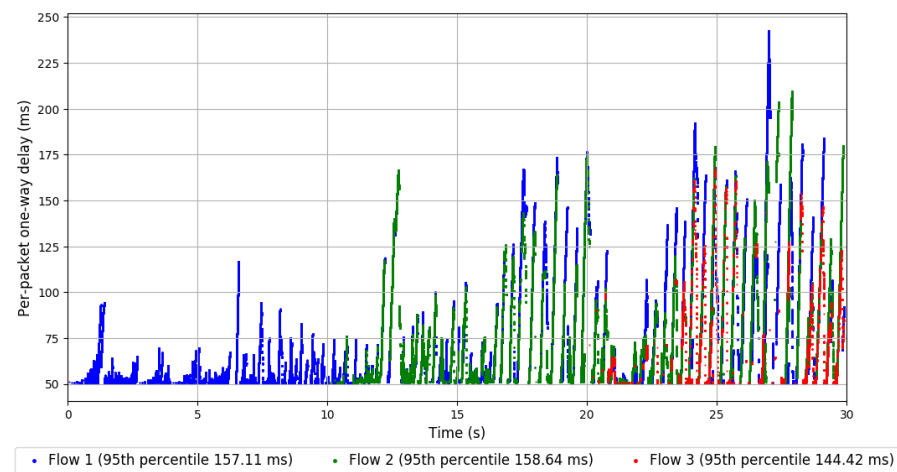
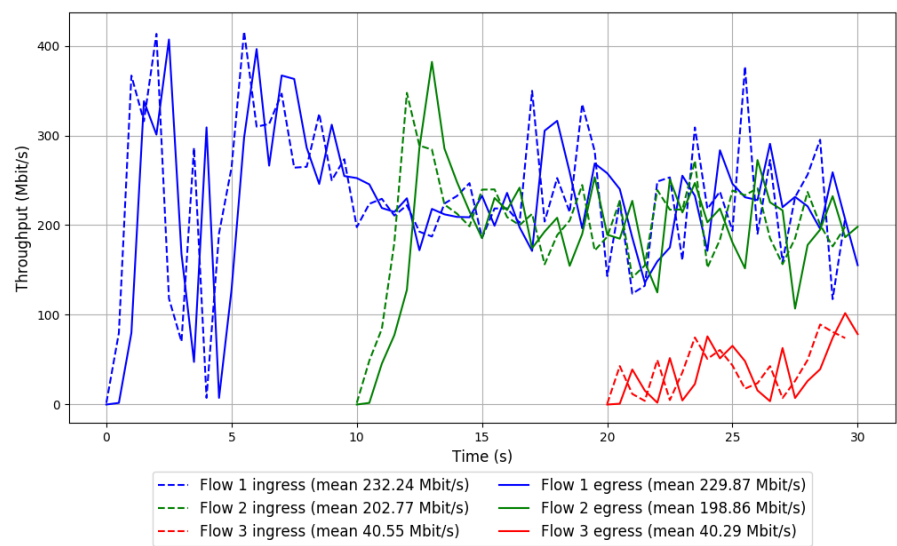
-- Flow 3:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 144.423 ms

Loss rate: 0.49%

Run 8: Report of Verus — Data Link

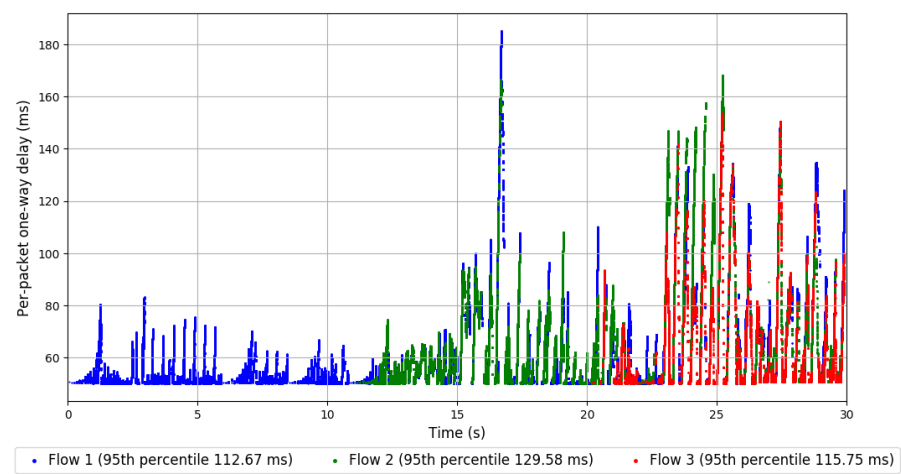
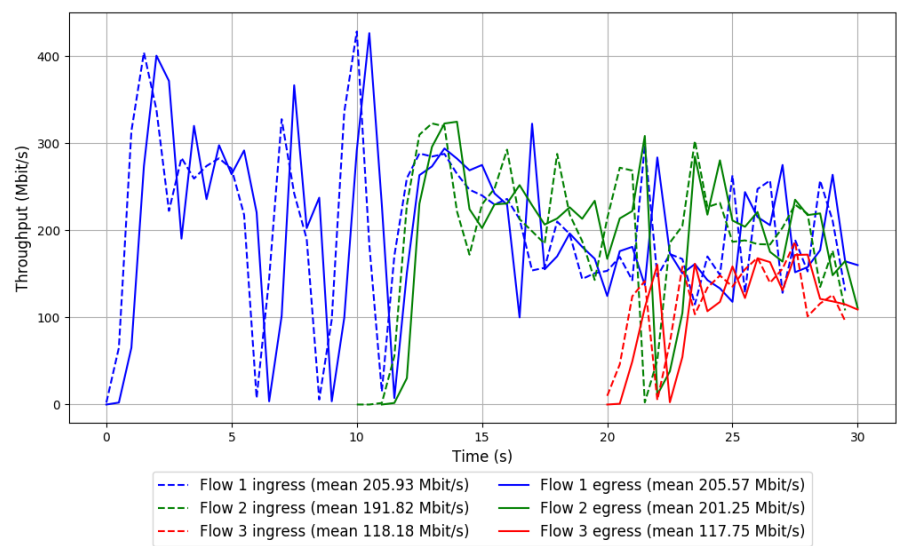


Run 9: Statistics of Verus

Start at: 2018-07-05 22:04:32
End at: 2018-07-05 22:05:02
Local clock offset: -0.085 ms
Remote clock offset: -0.123 ms

Below is generated by plot.py at 2018-07-06 01:24:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.43 Mbit/s
95th percentile per-packet one-way delay: 120.552 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 205.57 Mbit/s
95th percentile per-packet one-way delay: 112.667 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 201.25 Mbit/s
95th percentile per-packet one-way delay: 129.583 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 117.75 Mbit/s
95th percentile per-packet one-way delay: 115.747 ms
Loss rate: 0.27%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-07-05 22:29:41

End at: 2018-07-05 22:30:11

Local clock offset: -0.122 ms

Remote clock offset: 1.244 ms

Below is generated by plot.py at 2018-07-06 01:24:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 362.14 Mbit/s

95th percentile per-packet one-way delay: 94.336 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 217.89 Mbit/s

95th percentile per-packet one-way delay: 89.972 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 155.59 Mbit/s

95th percentile per-packet one-way delay: 94.420 ms

Loss rate: 0.20%

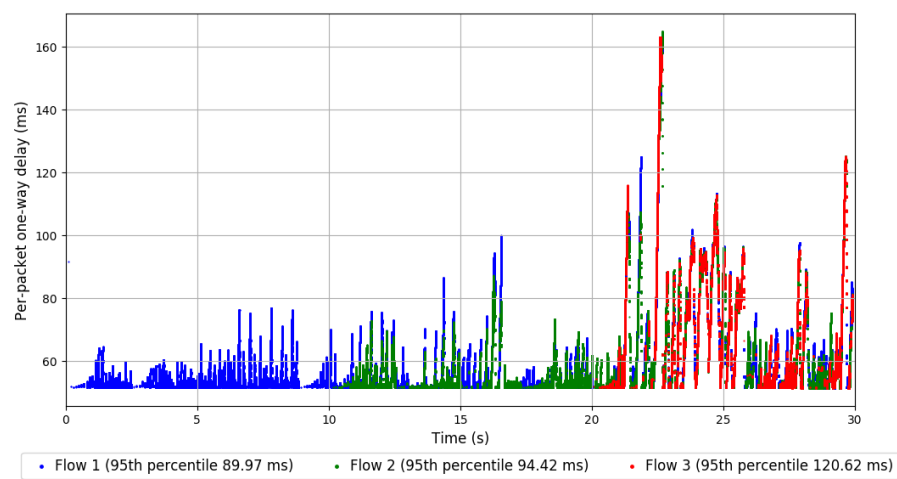
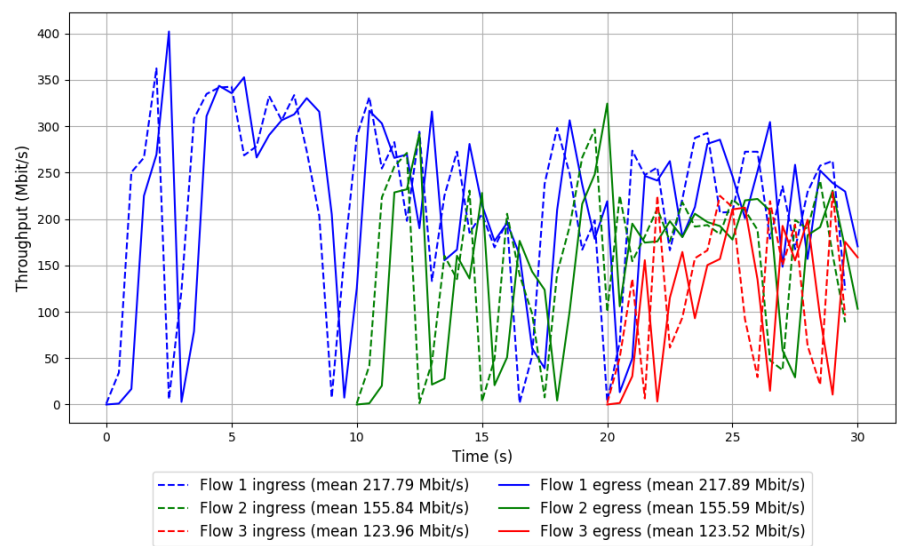
-- Flow 3:

Average throughput: 123.52 Mbit/s

95th percentile per-packet one-way delay: 120.625 ms

Loss rate: 0.07%

Run 10: Report of Verus — Data Link

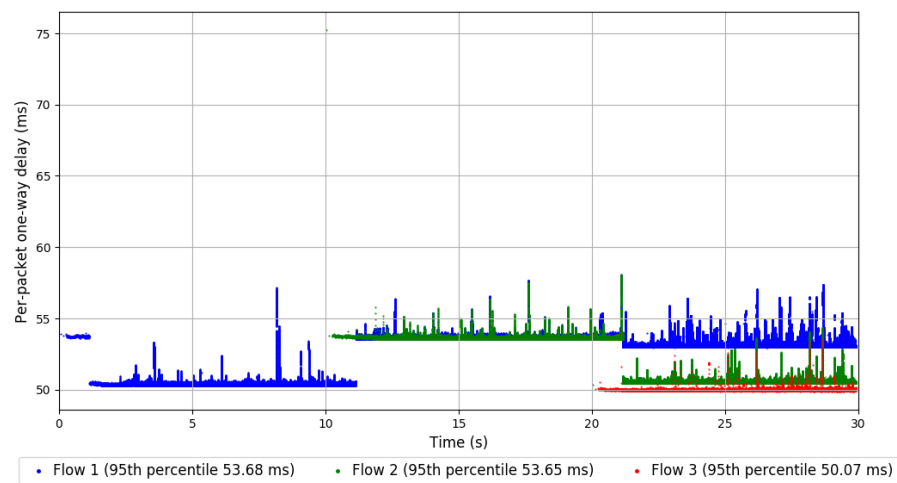
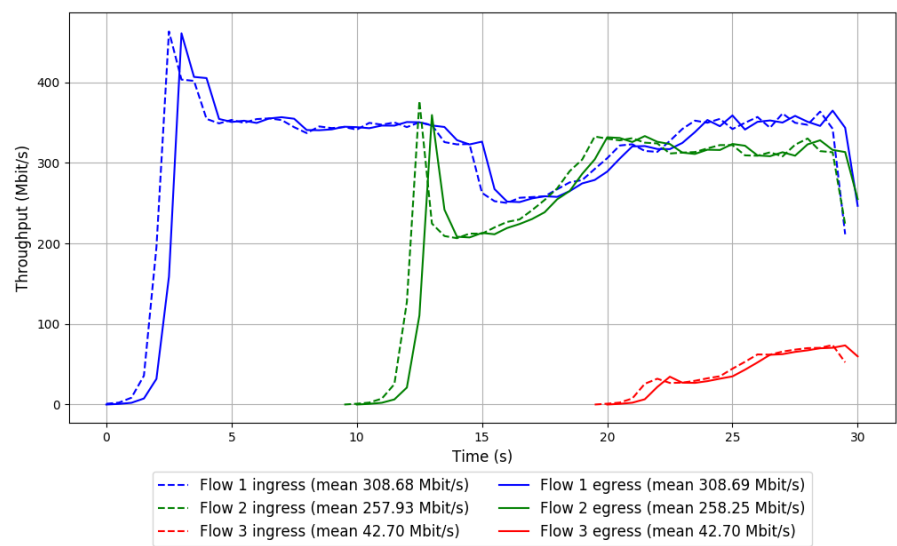


Run 1: Statistics of PCC-Vivace

Start at: 2018-07-05 18:47:48
End at: 2018-07-05 18:48:18
Local clock offset: -0.179 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-06 01:28:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 494.59 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 308.69 Mbit/s
95th percentile per-packet one-way delay: 53.679 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 258.25 Mbit/s
95th percentile per-packet one-way delay: 53.648 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.70 Mbit/s
95th percentile per-packet one-way delay: 50.068 ms
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-05 19:12:51

End at: 2018-07-05 19:13:21

Local clock offset: -0.305 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-07-06 01:29:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 507.76 Mbit/s

95th percentile per-packet one-way delay: 53.906 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 317.27 Mbit/s

95th percentile per-packet one-way delay: 53.978 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 263.68 Mbit/s

95th percentile per-packet one-way delay: 53.515 ms

Loss rate: 0.01%

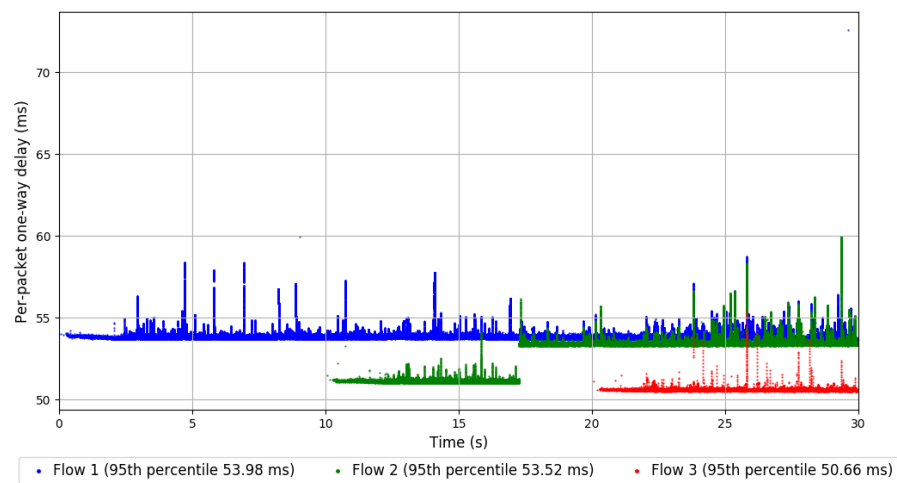
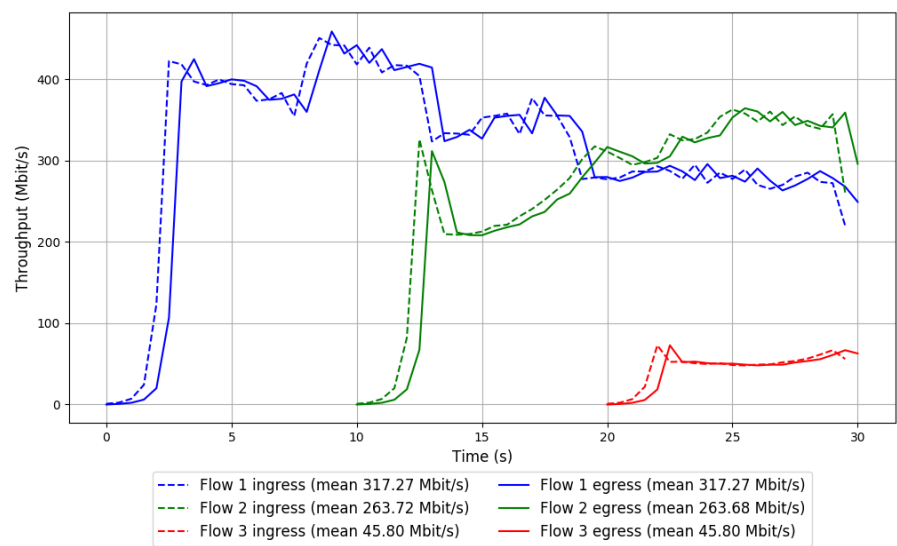
-- Flow 3:

Average throughput: 45.80 Mbit/s

95th percentile per-packet one-way delay: 50.659 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

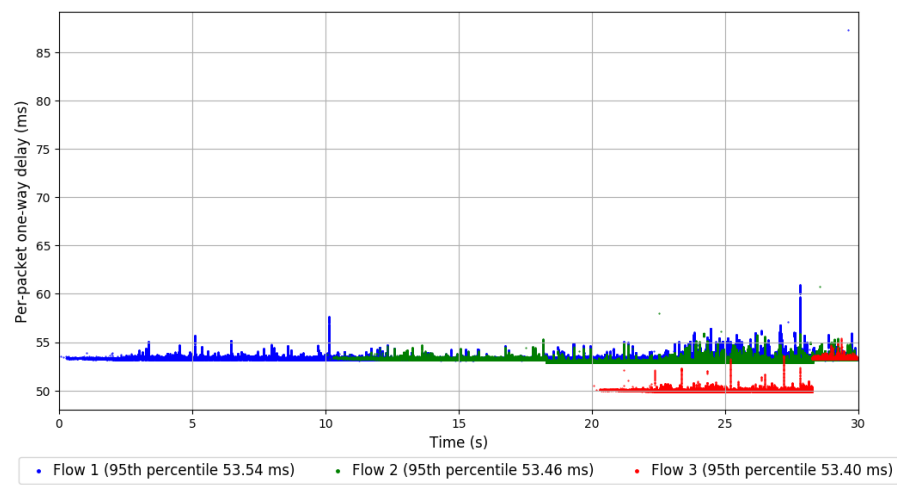
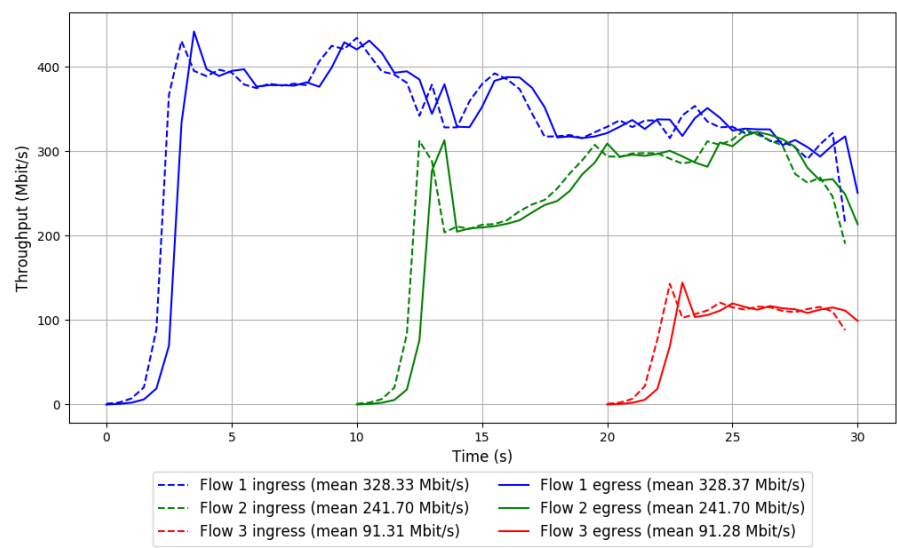


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-05 19:37:30
End at: 2018-07-05 19:38:00
Local clock offset: 0.073 ms
Remote clock offset: -0.145 ms

Below is generated by plot.py at 2018-07-06 01:30:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 519.19 Mbit/s
95th percentile per-packet one-way delay: 53.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.37 Mbit/s
95th percentile per-packet one-way delay: 53.543 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 241.70 Mbit/s
95th percentile per-packet one-way delay: 53.463 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 53.398 ms
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-05 20:02:24

End at: 2018-07-05 20:02:54

Local clock offset: 0.017 ms

Remote clock offset: 0.15 ms

Below is generated by plot.py at 2018-07-06 01:30:05

Datalink statistics

-- Total of 3 flows:

Average throughput: 487.67 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 319.12 Mbit/s

95th percentile per-packet one-way delay: 53.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 238.38 Mbit/s

95th percentile per-packet one-way delay: 53.279 ms

Loss rate: 0.00%

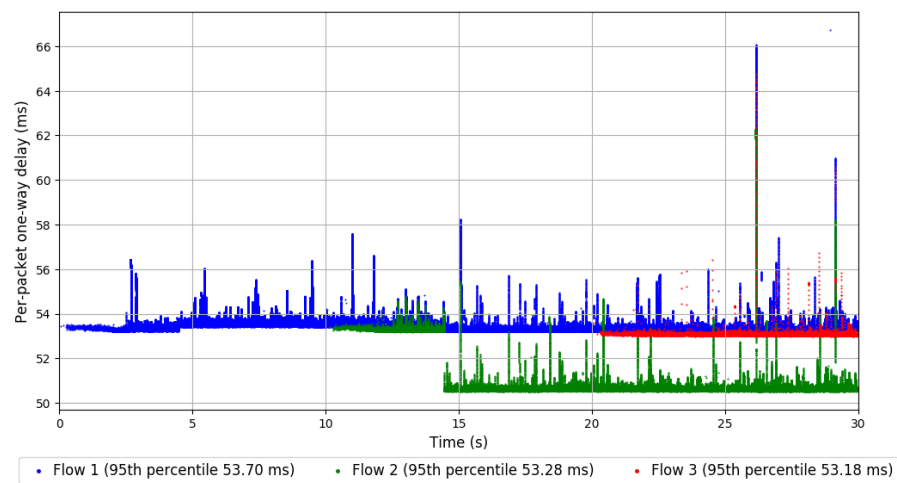
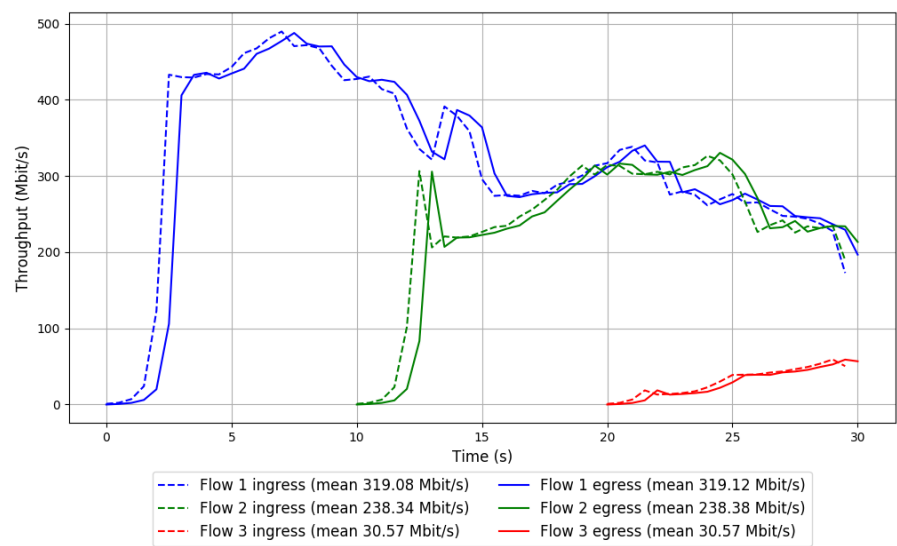
-- Flow 3:

Average throughput: 30.57 Mbit/s

95th percentile per-packet one-way delay: 53.182 ms

Loss rate: 0.02%

Run 4: Report of PCC-Vivace — Data Link

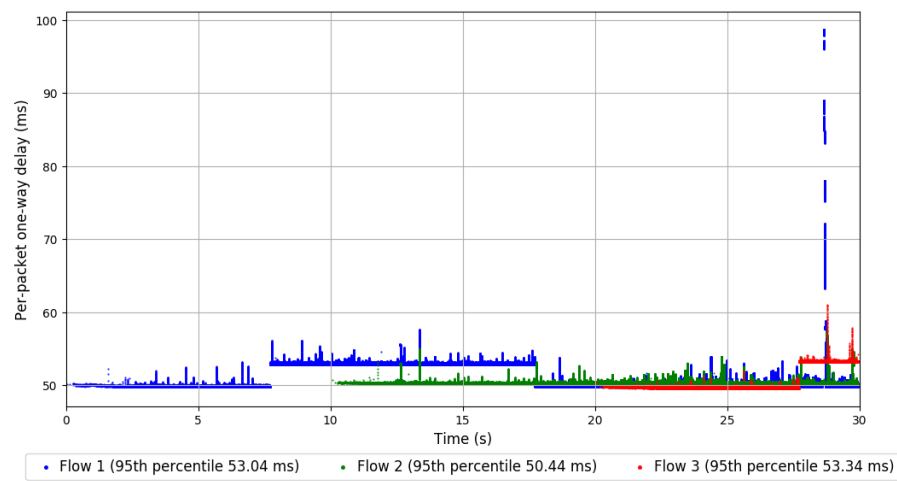
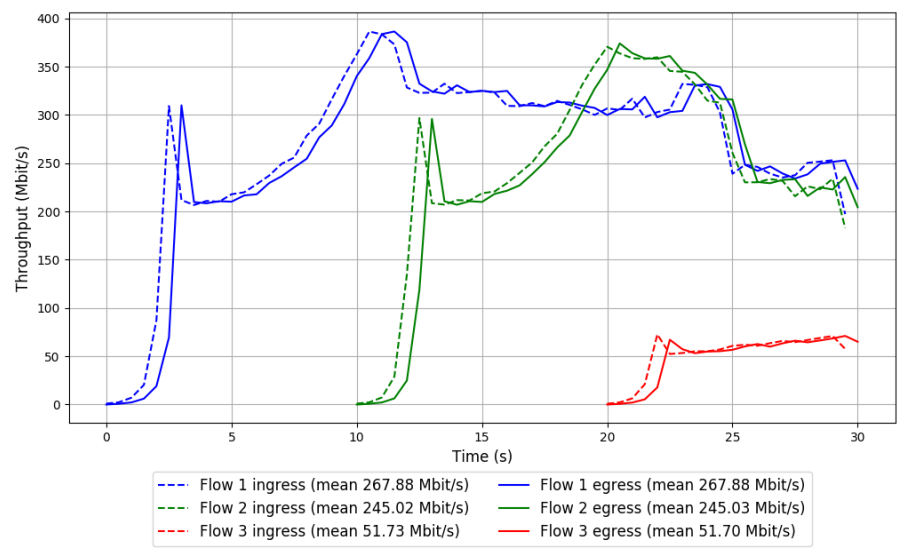


Run 5: Statistics of PCC-Vivace

Start at: 2018-07-05 20:27:41
End at: 2018-07-05 20:28:11
Local clock offset: -0.045 ms
Remote clock offset: -0.205 ms

Below is generated by plot.py at 2018-07-06 01:30:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 447.80 Mbit/s
95th percentile per-packet one-way delay: 53.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.88 Mbit/s
95th percentile per-packet one-way delay: 53.041 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 245.03 Mbit/s
95th percentile per-packet one-way delay: 50.443 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 51.70 Mbit/s
95th percentile per-packet one-way delay: 53.343 ms
Loss rate: 0.02%

Run 5: Report of PCC-Vivace — Data Link

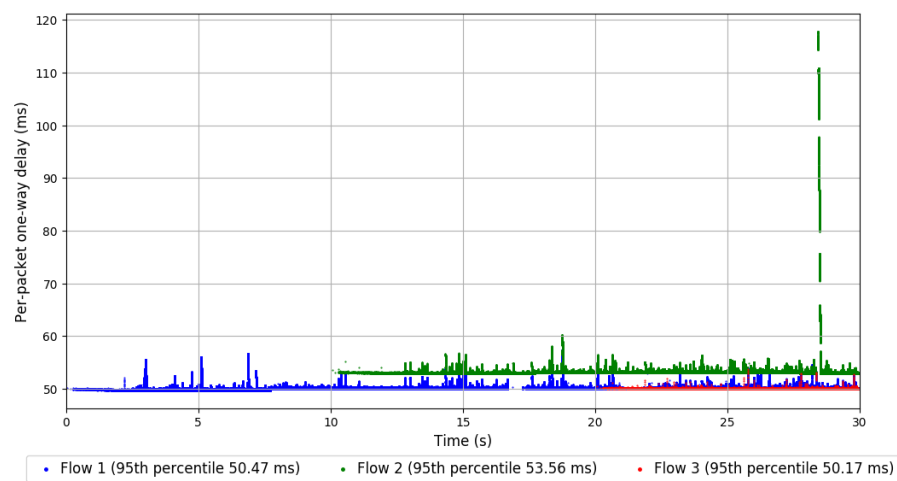
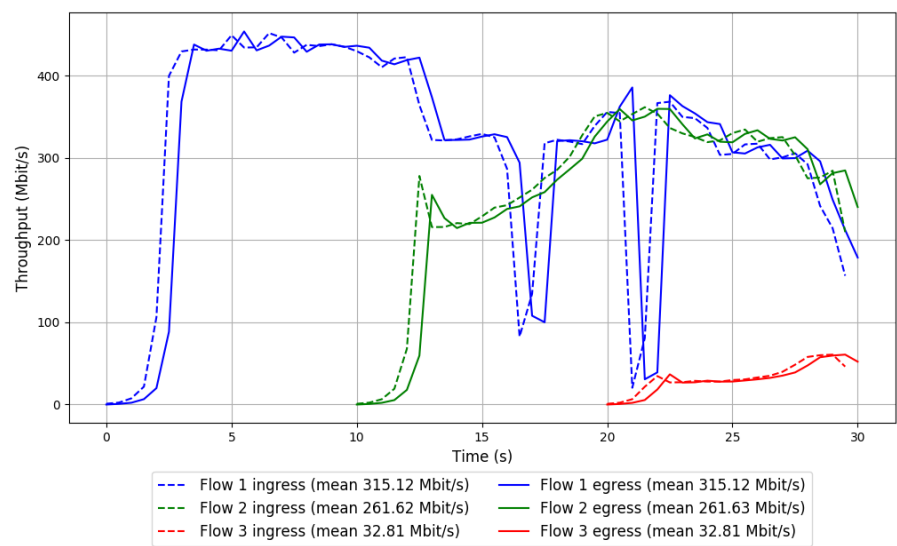


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-05 20:52:41
End at: 2018-07-05 20:53:11
Local clock offset: 0.06 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-06 01:31:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 499.89 Mbit/s
95th percentile per-packet one-way delay: 53.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 315.12 Mbit/s
95th percentile per-packet one-way delay: 50.474 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 261.63 Mbit/s
95th percentile per-packet one-way delay: 53.563 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 32.81 Mbit/s
95th percentile per-packet one-way delay: 50.173 ms
Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-05 21:17:36

End at: 2018-07-05 21:18:06

Local clock offset: 0.196 ms

Remote clock offset: 0.118 ms

Below is generated by plot.py at 2018-07-06 01:32:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 497.08 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 311.23 Mbit/s

95th percentile per-packet one-way delay: 53.521 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 234.77 Mbit/s

95th percentile per-packet one-way delay: 53.924 ms

Loss rate: 0.00%

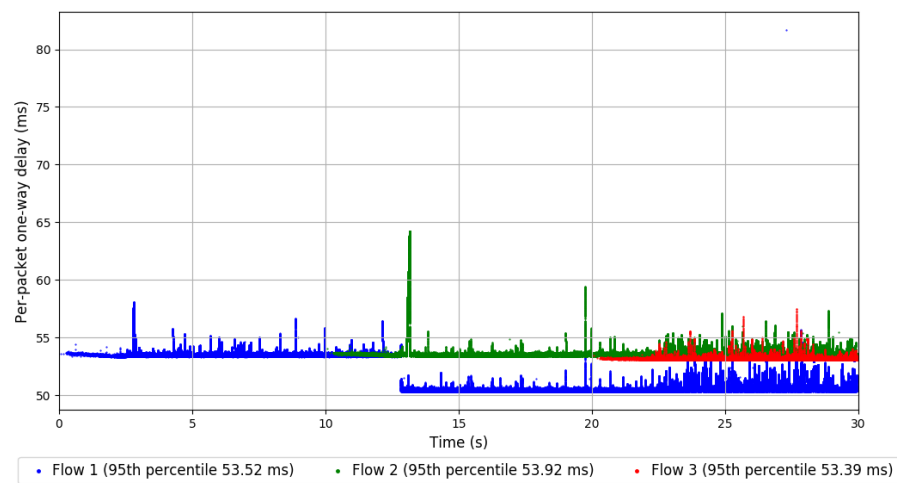
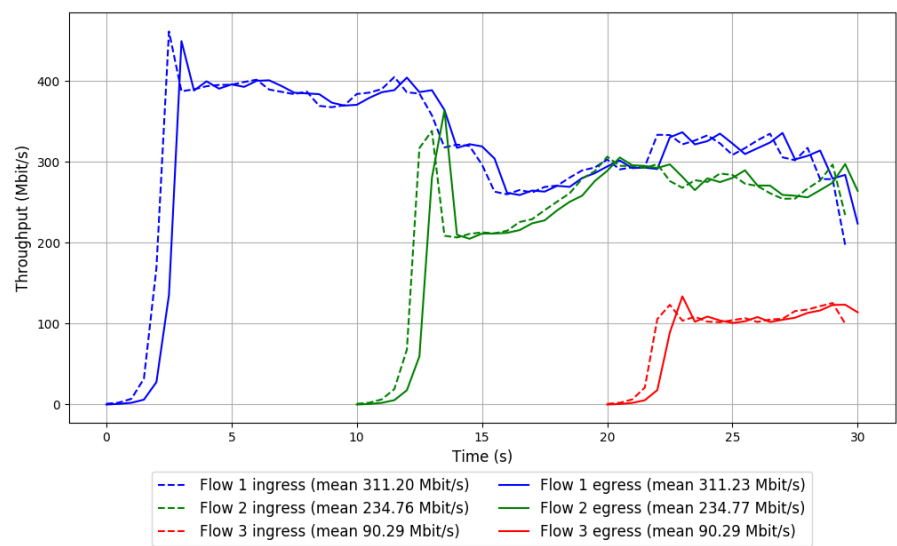
-- Flow 3:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 53.391 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-07-05 21:42:14

End at: 2018-07-05 21:42:44

Local clock offset: -0.04 ms

Remote clock offset: 1.303 ms

Below is generated by plot.py at 2018-07-06 01:32:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 520.27 Mbit/s

95th percentile per-packet one-way delay: 54.709 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 318.53 Mbit/s

95th percentile per-packet one-way delay: 51.797 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 254.00 Mbit/s

95th percentile per-packet one-way delay: 55.040 ms

Loss rate: 0.01%

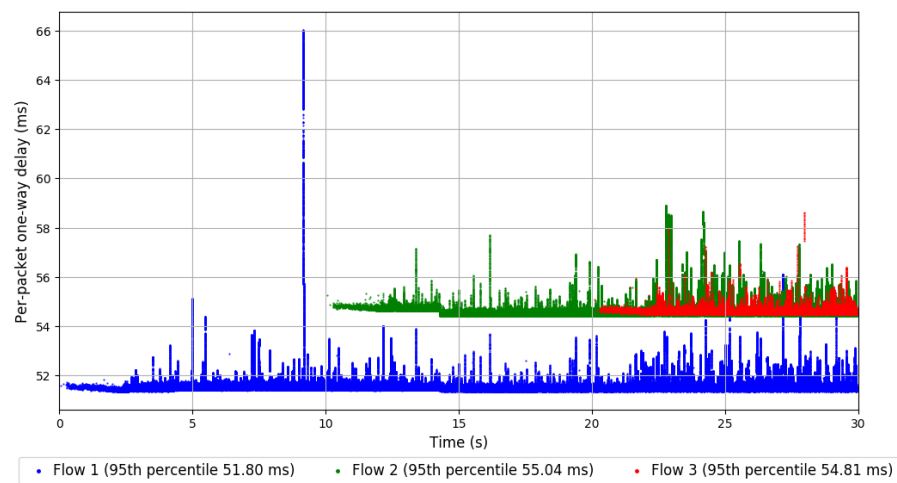
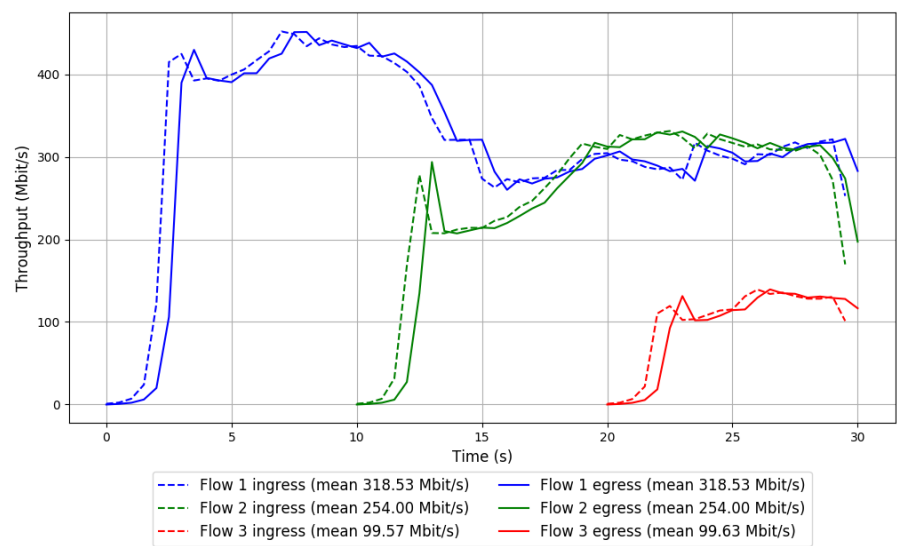
-- Flow 3:

Average throughput: 99.63 Mbit/s

95th percentile per-packet one-way delay: 54.810 ms

Loss rate: 0.02%

Run 8: Report of PCC-Vivace — Data Link

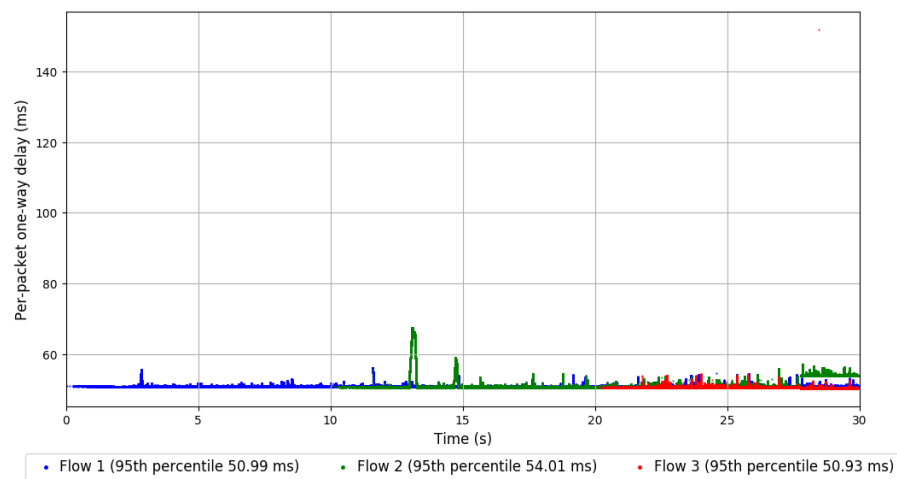
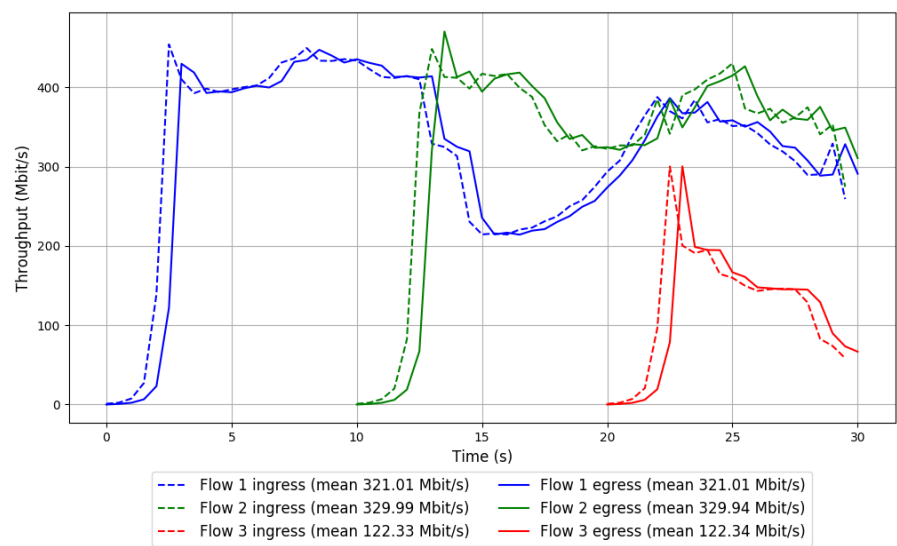


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-05 22:07:21
End at: 2018-07-05 22:07:51
Local clock offset: -0.103 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 580.76 Mbit/s
95th percentile per-packet one-way delay: 53.860 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 321.01 Mbit/s
95th percentile per-packet one-way delay: 50.986 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 329.94 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 122.34 Mbit/s
95th percentile per-packet one-way delay: 50.934 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

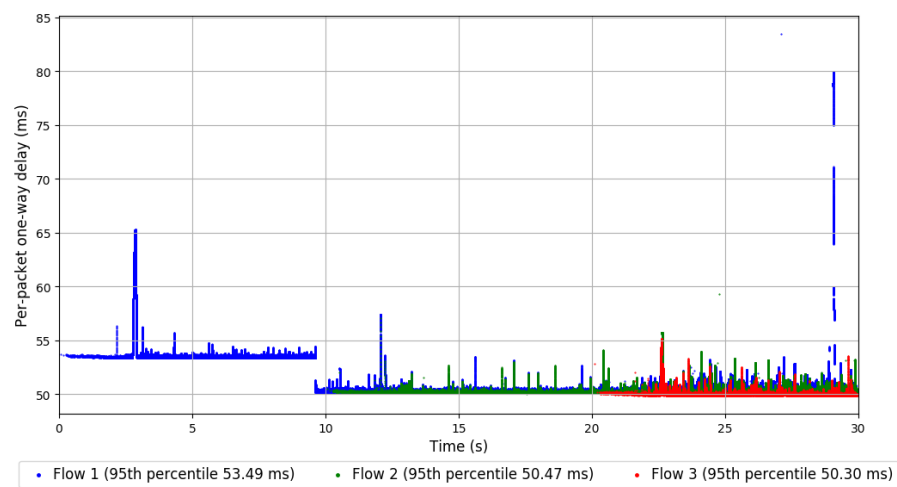
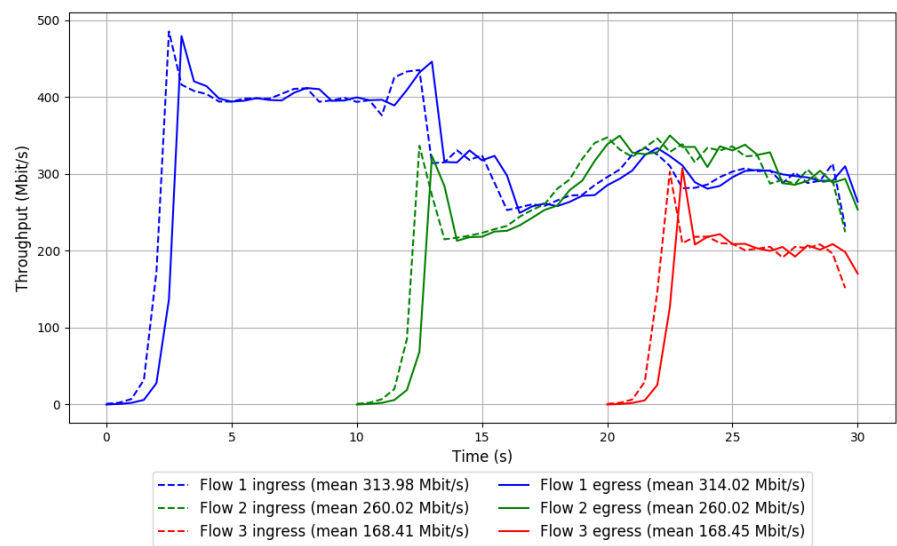


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-05 22:32:29
End at: 2018-07-05 22:32:59
Local clock offset: -0.139 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 542.47 Mbit/s
95th percentile per-packet one-way delay: 53.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 314.02 Mbit/s
95th percentile per-packet one-way delay: 53.486 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 260.02 Mbit/s
95th percentile per-packet one-way delay: 50.468 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.45 Mbit/s
95th percentile per-packet one-way delay: 50.298 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

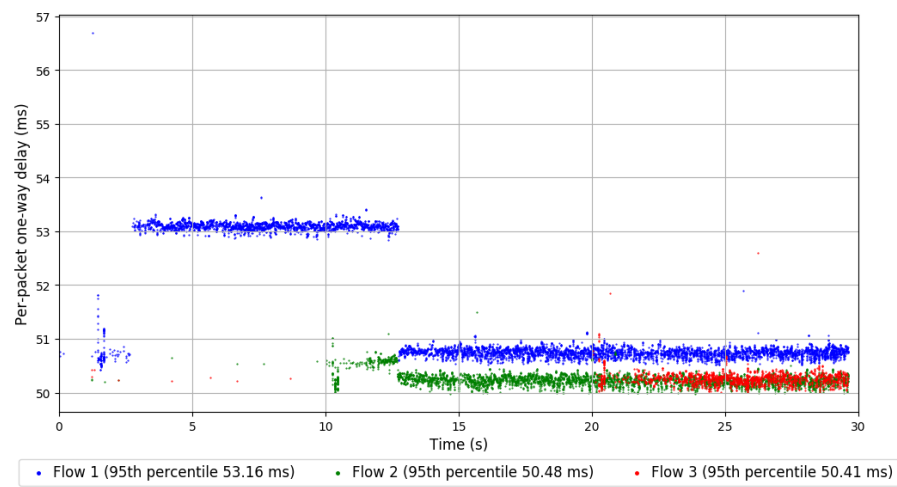
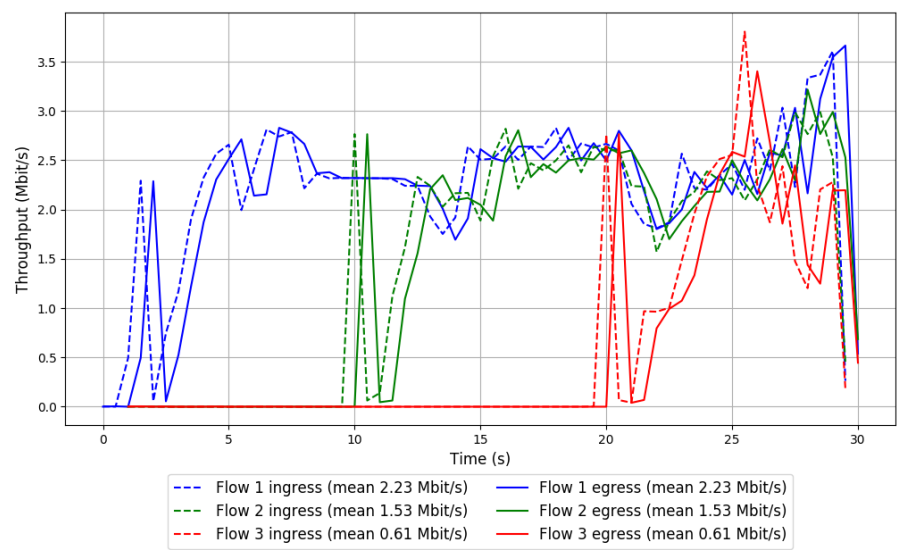


Run 1: Statistics of WebRTC media

Start at: 2018-07-05 18:42:26
End at: 2018-07-05 18:42:56
Local clock offset: -0.047 ms
Remote clock offset: -0.244 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 53.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 53.162 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 50.484 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

End at: 2018-07-05 19:07:54

Local clock offset: -0.097 ms

Remote clock offset: 1.323 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 55.192 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 55.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 55.202 ms

Loss rate: 0.00%

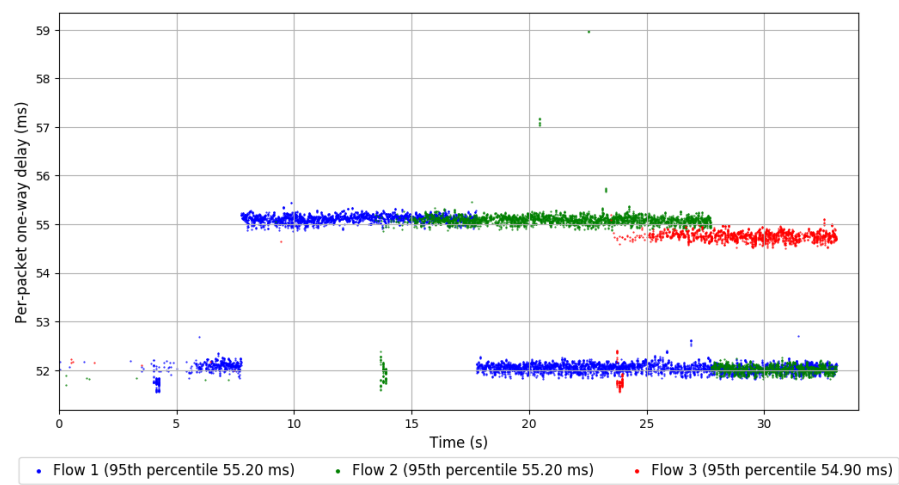
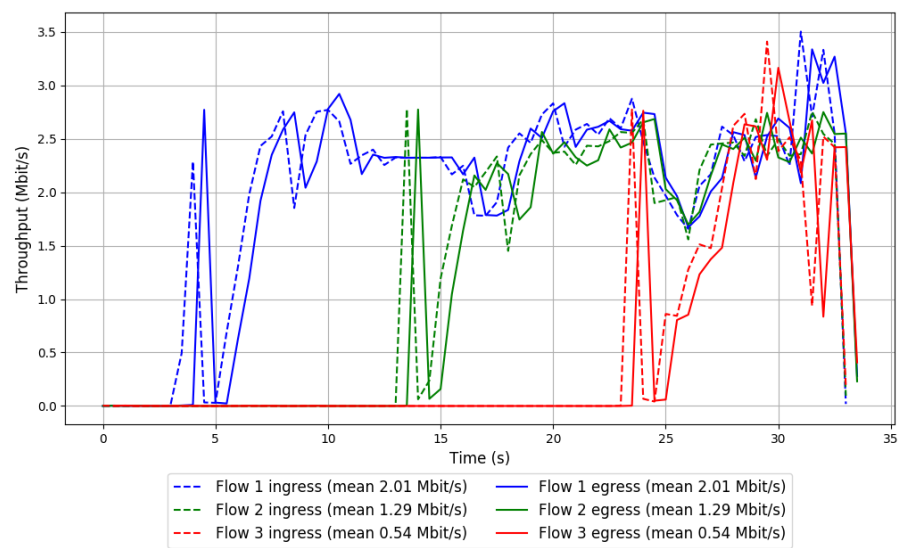
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 54.897 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

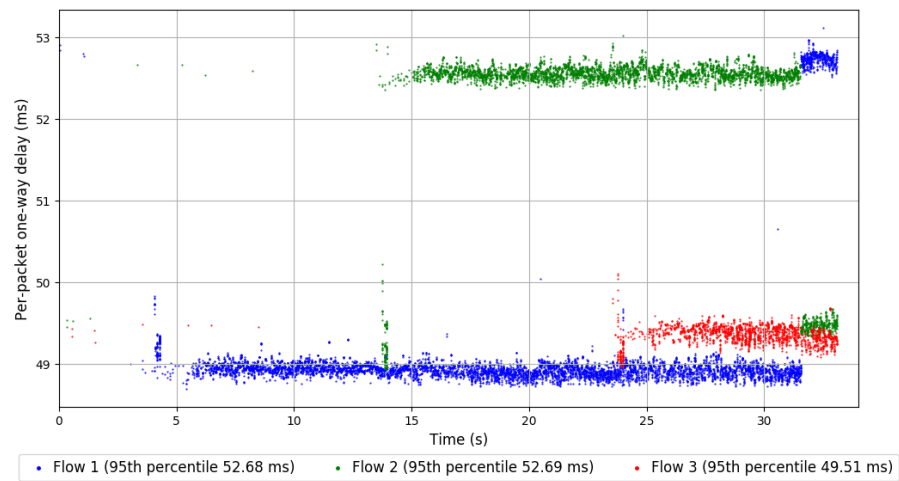
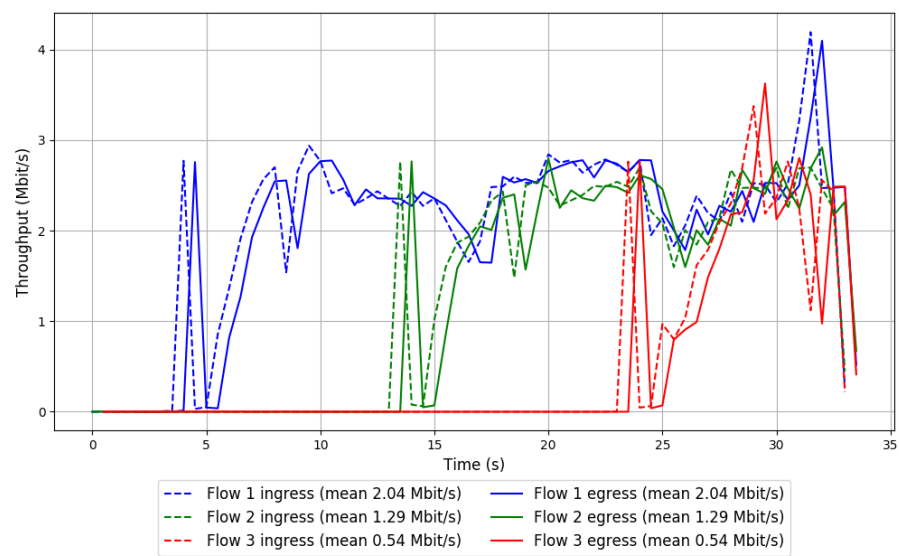


Run 3: Statistics of WebRTC media

Start at: 2018-07-05 19:32:00
End at: 2018-07-05 19:32:30
Local clock offset: -0.26 ms
Remote clock offset: -1.354 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 52.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 52.684 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 52.687 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 49.506 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-05 19:56:57

End at: 2018-07-05 19:57:27

Local clock offset: 0.161 ms

Remote clock offset: 1.354 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 54.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 54.832 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 51.821 ms

Loss rate: 0.00%

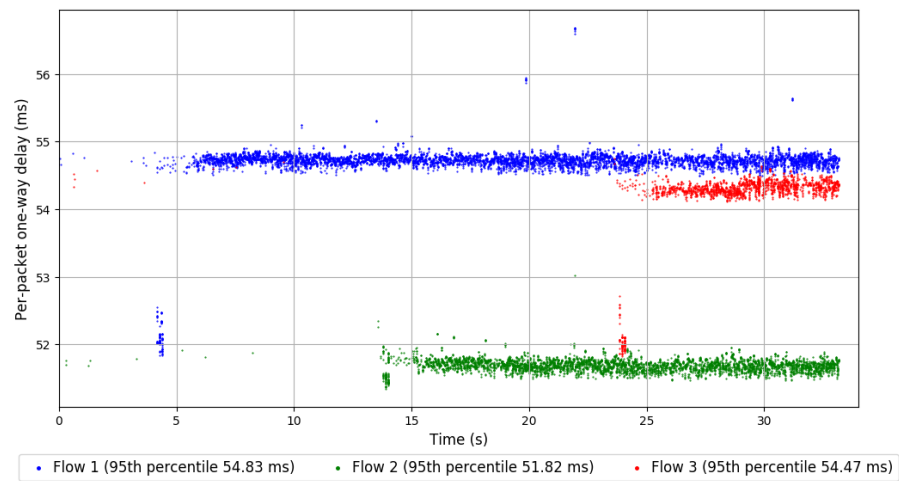
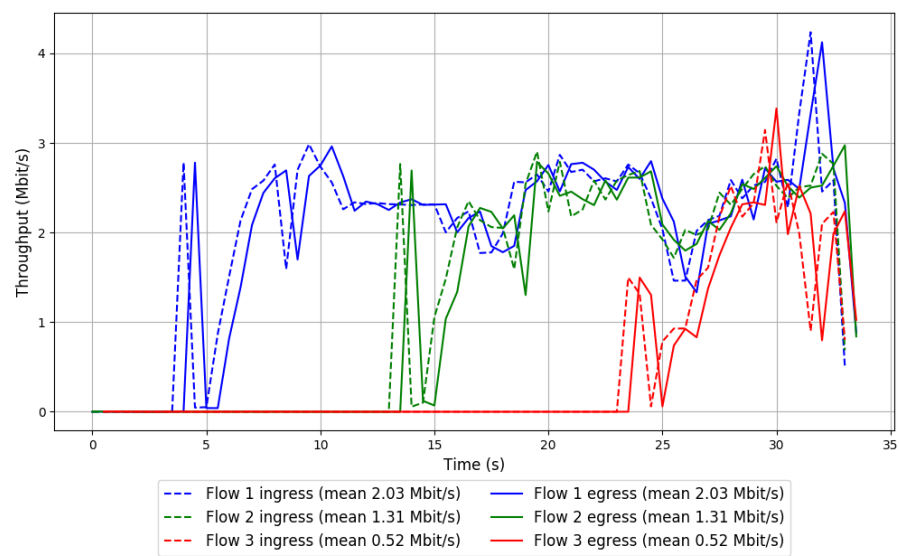
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 54.466 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

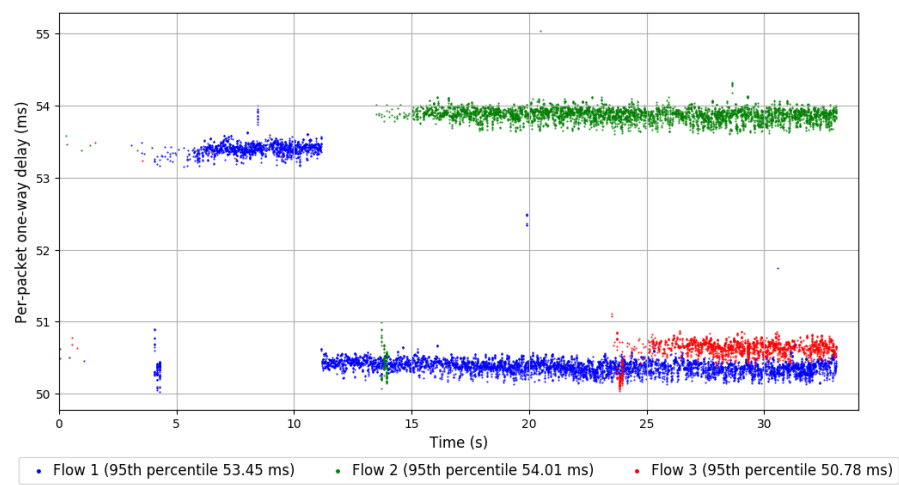
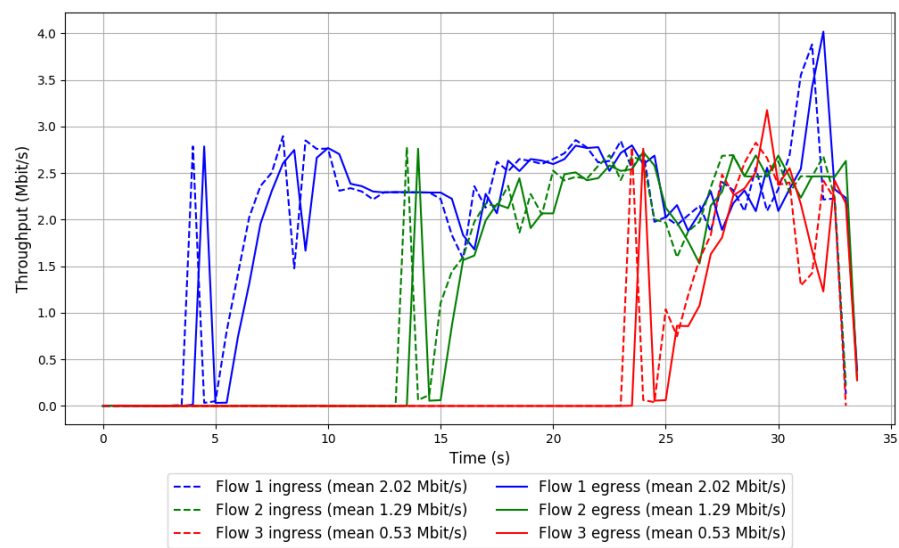


Run 5: Statistics of WebRTC media

Start at: 2018-07-05 20:22:11
End at: 2018-07-05 20:22:41
Local clock offset: -0.043 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 53.961 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 53.451 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 54.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 50.776 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-05 20:47:15

End at: 2018-07-05 20:47:45

Local clock offset: 0.099 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 53.322 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 53.897 ms

Loss rate: 0.00%

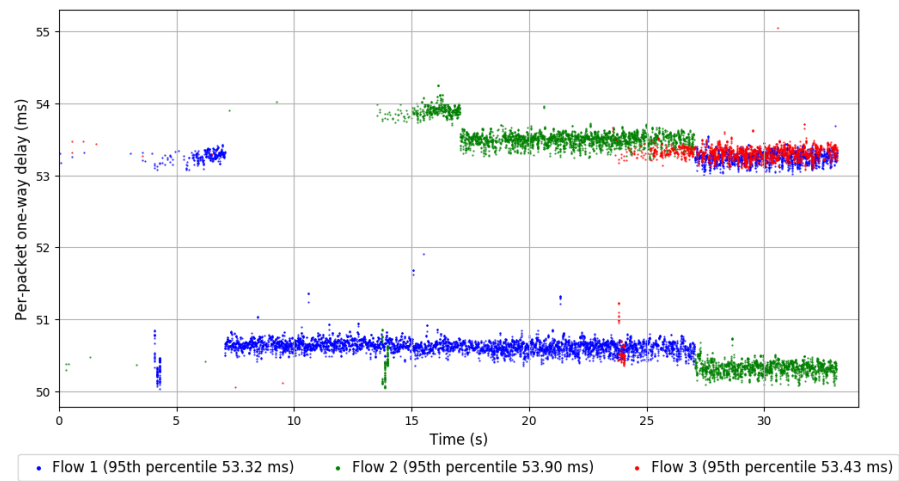
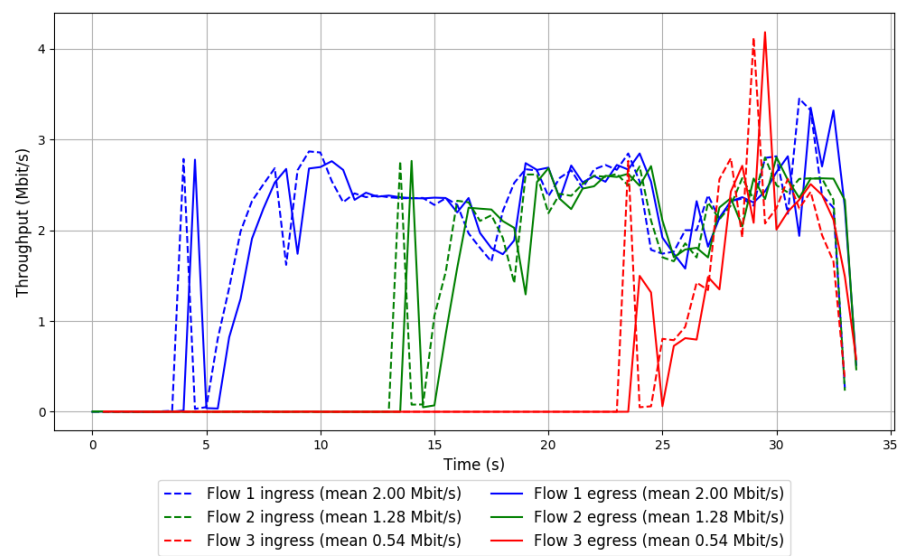
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 53.433 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-05 21:12:07

End at: 2018-07-05 21:12:37

Local clock offset: -0.098 ms

Remote clock offset: 1.275 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 55.212 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 55.236 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 54.662 ms

Loss rate: 0.16%

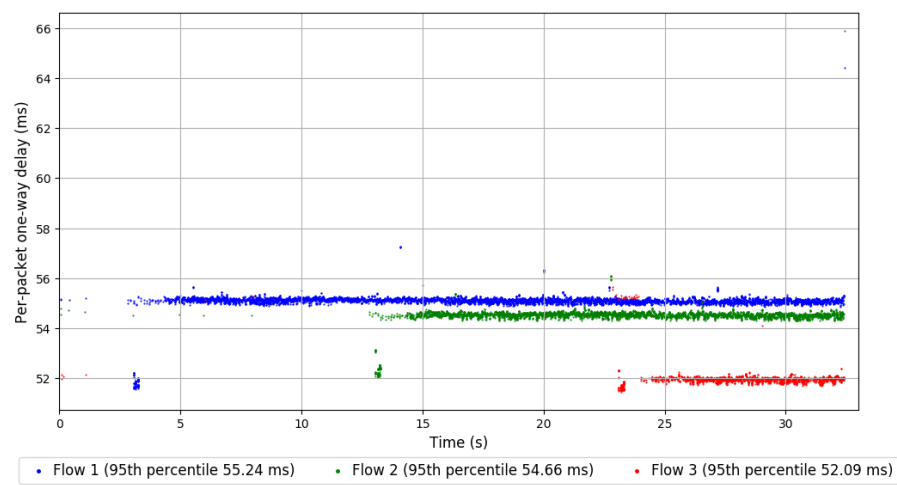
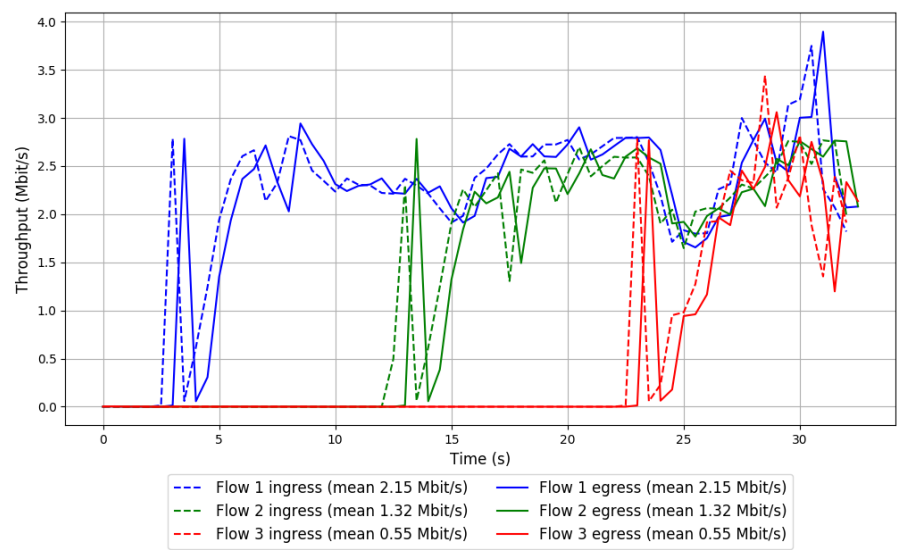
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 52.089 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-07-05 21:36:48

End at: 2018-07-05 21:37:18

Local clock offset: -0.104 ms

Remote clock offset: 1.276 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 55.089 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 55.118 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 54.815 ms

Loss rate: 0.00%

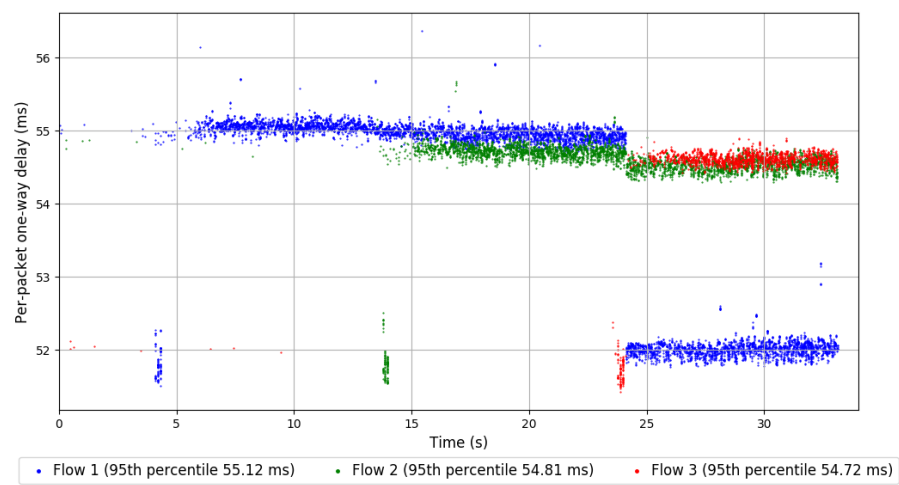
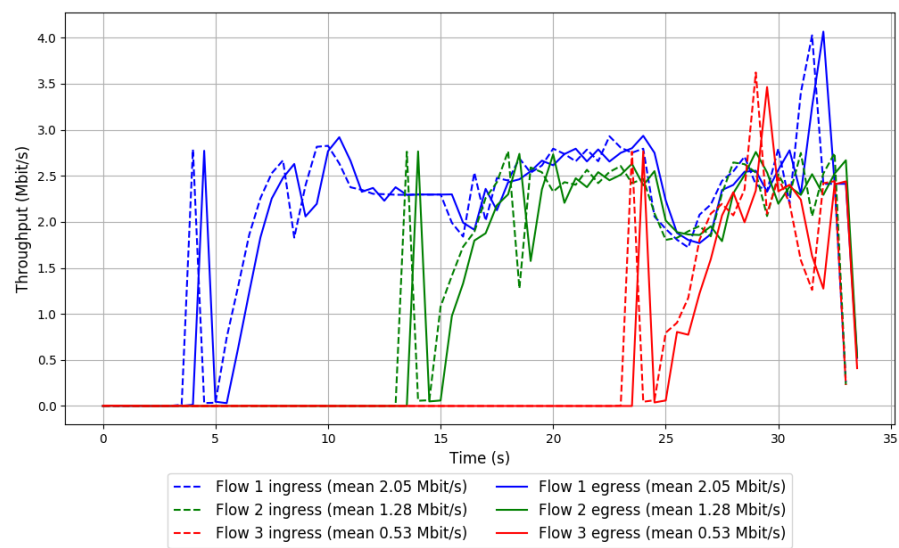
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 54.724 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

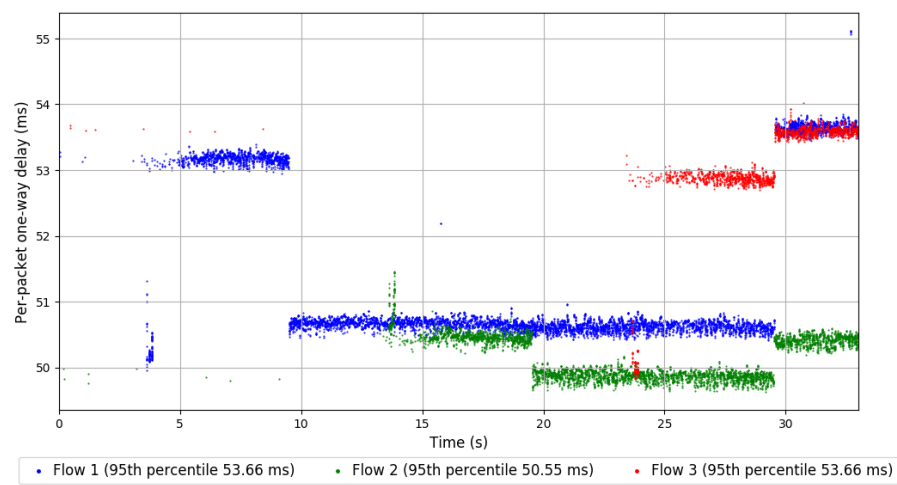
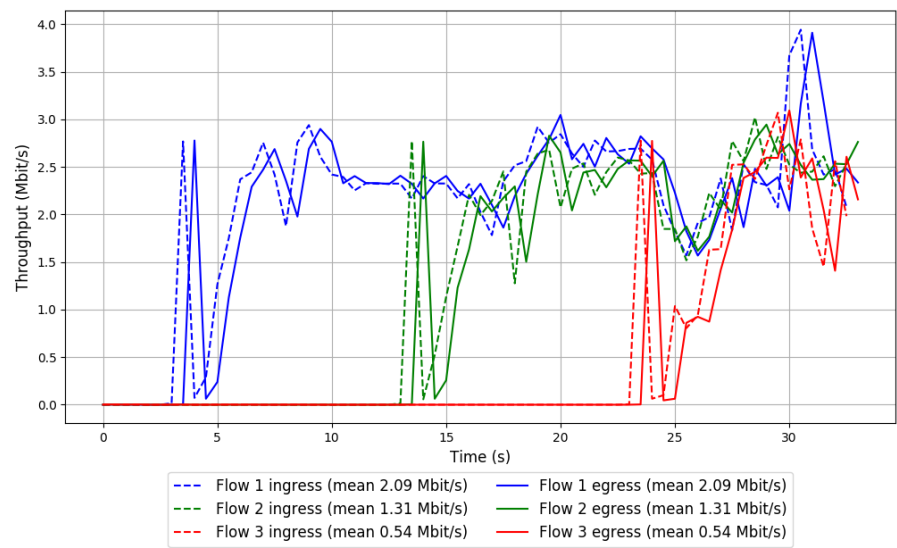


Run 9: Statistics of WebRTC media

Start at: 2018-07-05 22:01:52
End at: 2018-07-05 22:02:22
Local clock offset: -0.013 ms
Remote clock offset: -0.255 ms

Below is generated by plot.py at 2018-07-06 01:33:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 53.636 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 50.551 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 53.662 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-05 22:27:01

End at: 2018-07-05 22:27:31

Local clock offset: -0.017 ms

Remote clock offset: 1.185 ms

Below is generated by plot.py at 2018-07-06 01:33:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 54.883 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 54.983 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 54.593 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 54.649 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

