

Pantheon Report

Generated at 2018-07-02 10:00:50 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

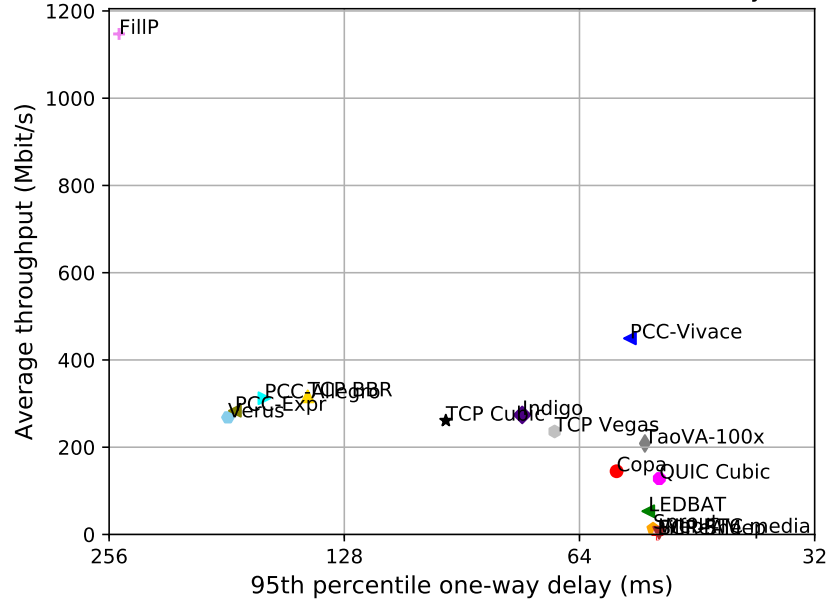
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

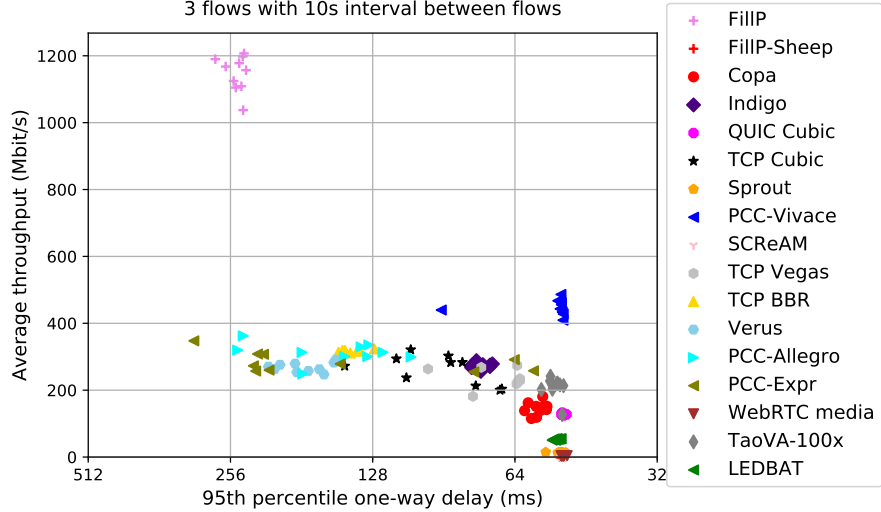
Git summary:

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

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



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



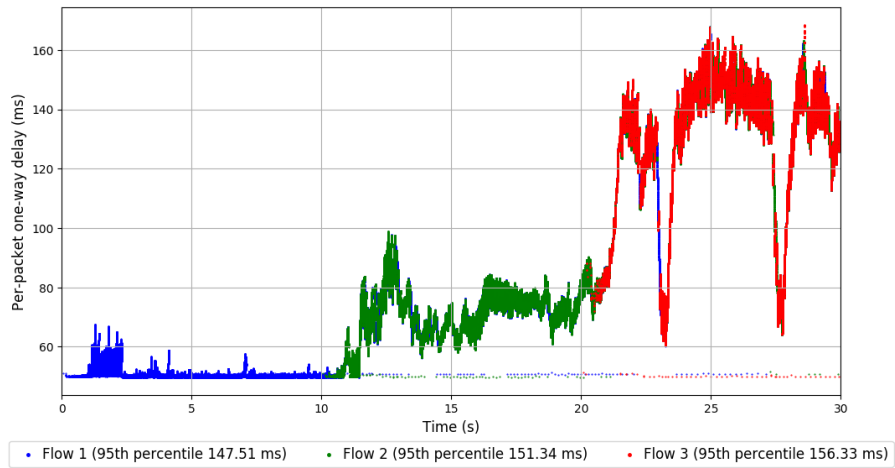
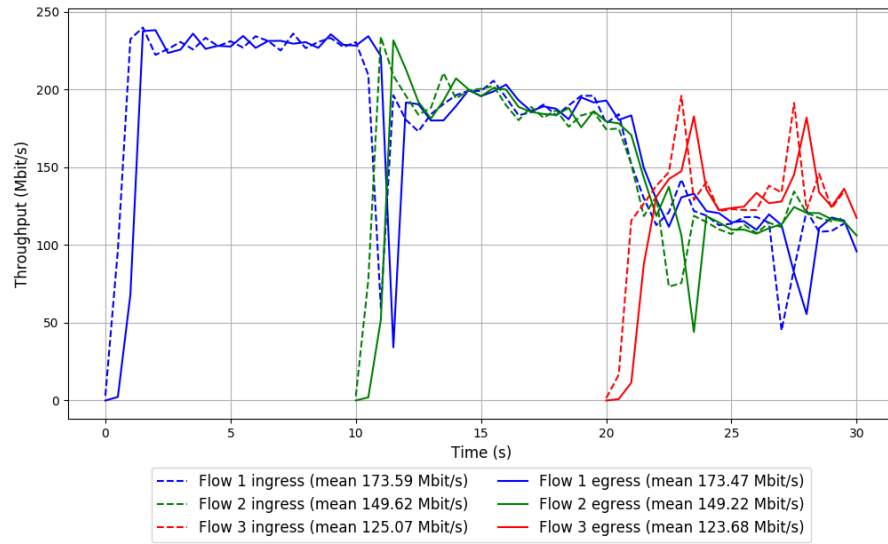
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	176.28	150.86	121.31	138.12	142.61	148.32	0.36	0.71	1.84
Copa	10	80.42	74.31	60.98	56.40	57.77	60.91	0.21	0.45	0.95
TCP Cubic	10	160.44	134.40	34.23	92.22	96.46	98.81	0.38	1.01	3.60
FillP	10	594.01	582.85	505.32	247.84	253.56	238.97	1.07	1.49	2.70
FillP-Sheep	10	0.00	0.00	0.00	50.43	50.75	50.71	0.20	0.00	0.40
Indigo	10	165.14	135.70	56.74	72.99	77.06	83.78	0.33	0.50	1.17
LEDBAT	10	34.78	22.18	11.33	52.24	52.29	52.38	0.67	1.01	2.06
PCC-Allegro	10	278.18	44.94	12.92	162.29	162.18	148.98	1.57	1.40	1.90
PCC-Expr	10	190.67	125.48	29.20	151.19	188.76	181.59	2.03	4.18	5.49
QUIC Cubic	10	68.17	63.09	54.55	50.57	50.27	50.05	0.36	0.47	1.11
SCReAM	10	0.19	0.22	0.22	50.62	50.73	50.25	0.92	0.59	1.05
Sprout	10	6.95	6.65	5.94	51.63	51.62	51.00	0.46	0.46	1.05
TaoVA-100x	10	135.97	97.20	69.70	52.35	53.23	55.56	0.19	0.55	0.92
TCP Vegas	9	167.25	81.35	44.71	67.78	68.34	64.35	0.28	0.61	1.51
Verus	10	160.16	119.76	88.31	164.35	188.28	201.65	0.55	1.22	2.52
PCC-Vivace	10	261.56	246.11	74.92	51.06	60.99	50.93	0.37	0.53	1.66
WebRTC media	10	2.00	1.29	0.53	50.55	50.30	50.61	0.33	1.01	1.37

Run 1: Statistics of TCP BBR

Start at: 2018-07-02 04:18:49
End at: 2018-07-02 04:19:19
Local clock offset: 0.063 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2018-07-02 08:13:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.50 Mbit/s
95th percentile per-packet one-way delay: 151.265 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 173.47 Mbit/s
95th percentile per-packet one-way delay: 147.512 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 149.22 Mbit/s
95th percentile per-packet one-way delay: 151.344 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 123.68 Mbit/s
95th percentile per-packet one-way delay: 156.333 ms
Loss rate: 2.11%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-02 04:41:51

End at: 2018-07-02 04:42:21

Local clock offset: 0.03 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-02 08:13:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 304.01 Mbit/s

95th percentile per-packet one-way delay: 150.477 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 168.81 Mbit/s

95th percentile per-packet one-way delay: 144.902 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 145.57 Mbit/s

95th percentile per-packet one-way delay: 150.171 ms

Loss rate: 0.65%

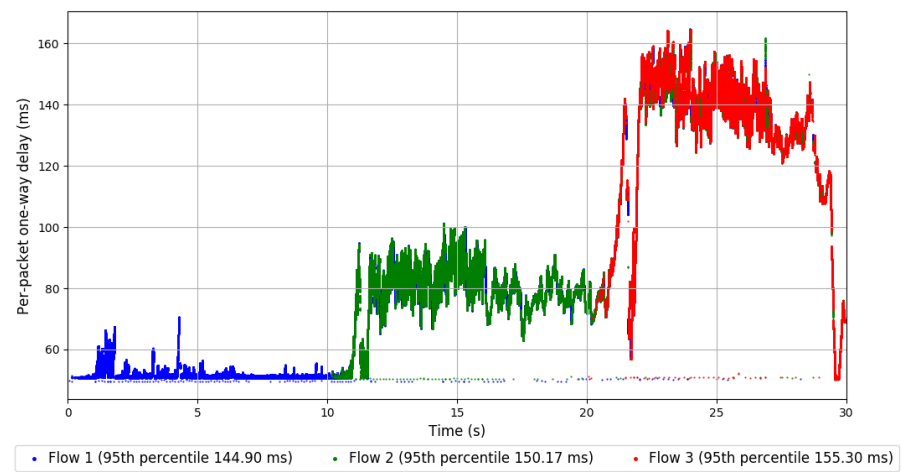
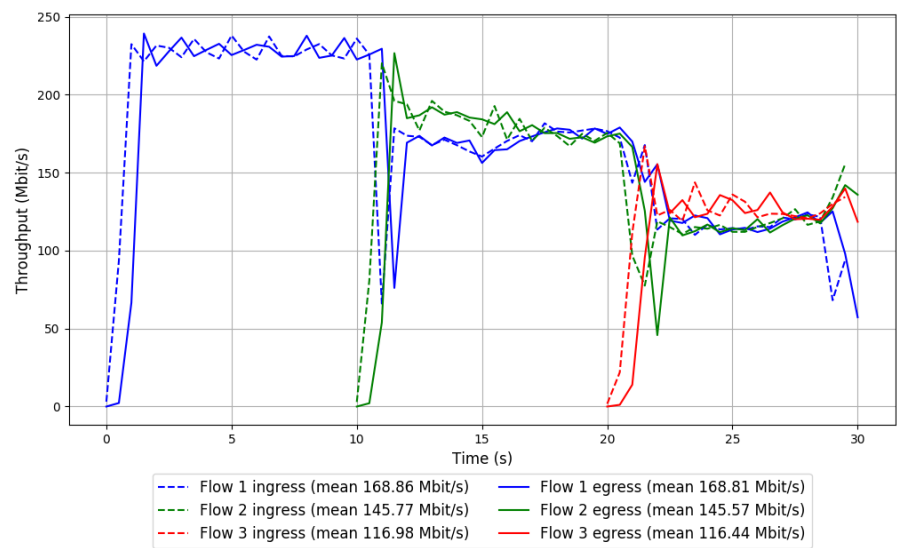
-- Flow 3:

Average throughput: 116.44 Mbit/s

95th percentile per-packet one-way delay: 155.297 ms

Loss rate: 1.47%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-02 05:04:51

End at: 2018-07-02 05:05:21

Local clock offset: 0.106 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 325.46 Mbit/s

95th percentile per-packet one-way delay: 137.097 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 181.85 Mbit/s

95th percentile per-packet one-way delay: 132.464 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 152.79 Mbit/s

95th percentile per-packet one-way delay: 137.095 ms

Loss rate: 0.75%

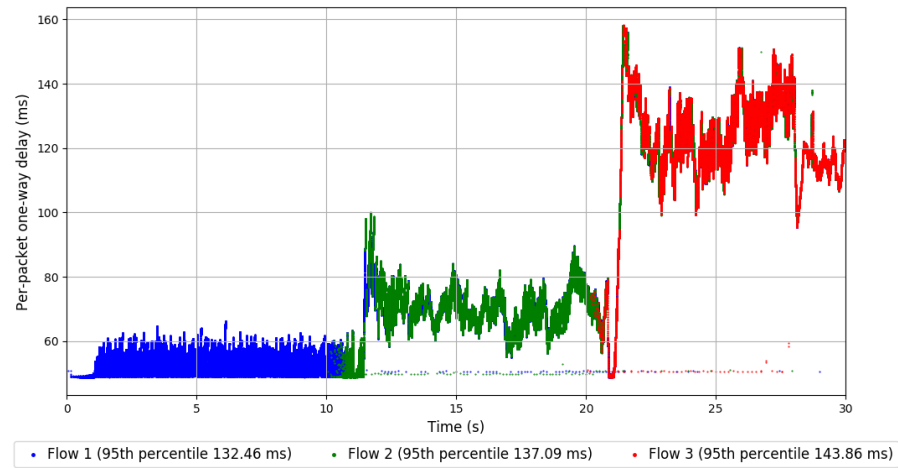
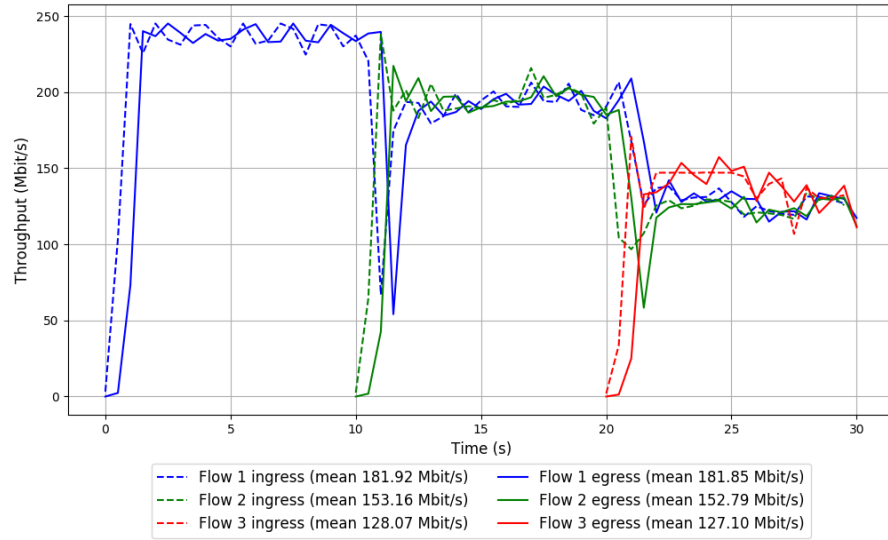
-- Flow 3:

Average throughput: 127.10 Mbit/s

95th percentile per-packet one-way delay: 143.857 ms

Loss rate: 1.77%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-02 05:27:57

End at: 2018-07-02 05:28:27

Local clock offset: 0.045 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.11 Mbit/s

95th percentile per-packet one-way delay: 148.297 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 178.81 Mbit/s

95th percentile per-packet one-way delay: 142.952 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 149.75 Mbit/s

95th percentile per-packet one-way delay: 148.550 ms

Loss rate: 0.72%

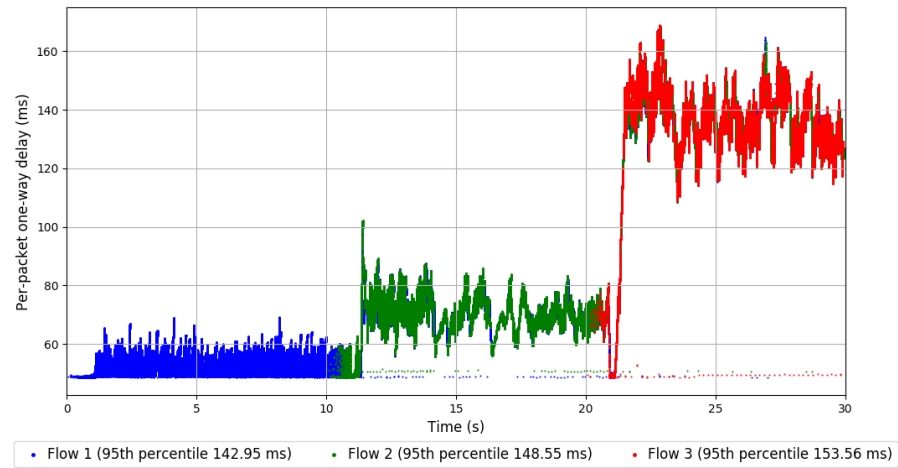
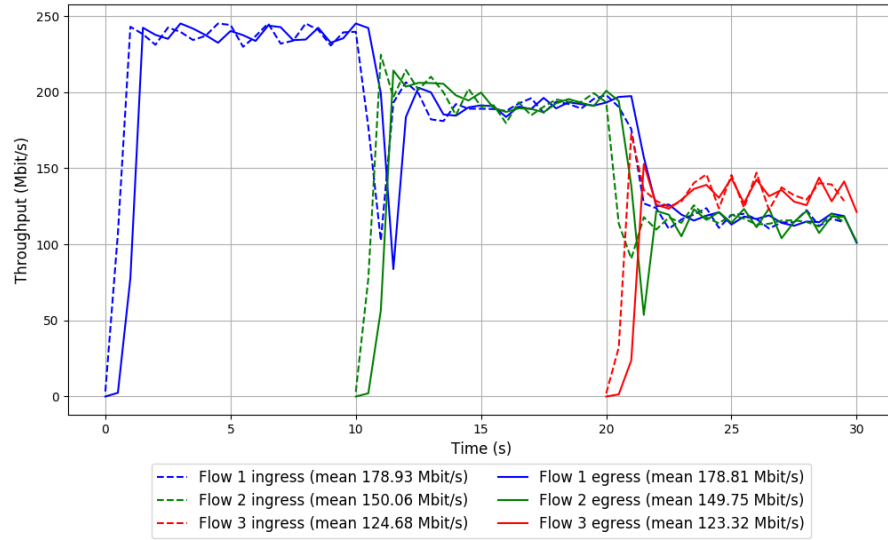
-- Flow 3:

Average throughput: 123.32 Mbit/s

95th percentile per-packet one-way delay: 153.559 ms

Loss rate: 1.96%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-07-02 05:50:55

End at: 2018-07-02 05:51:25

Local clock offset: 0.014 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 311.24 Mbit/s

95th percentile per-packet one-way delay: 142.757 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 176.96 Mbit/s

95th percentile per-packet one-way delay: 139.461 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 146.28 Mbit/s

95th percentile per-packet one-way delay: 143.117 ms

Loss rate: 0.74%

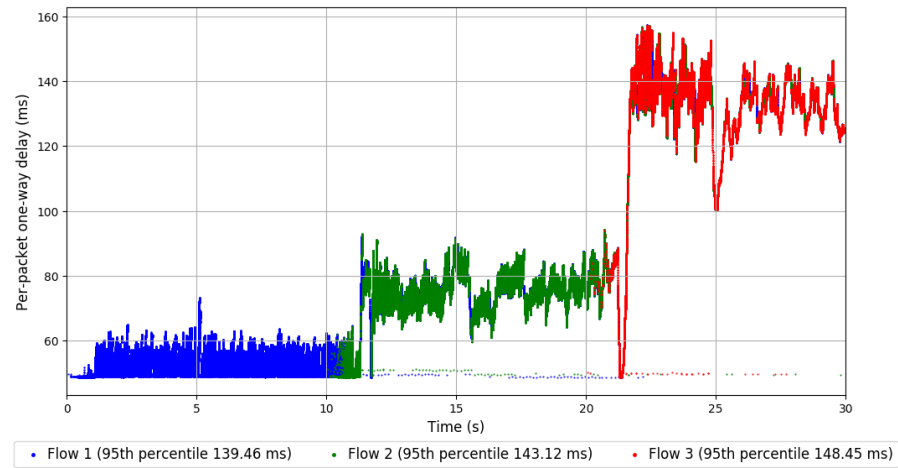
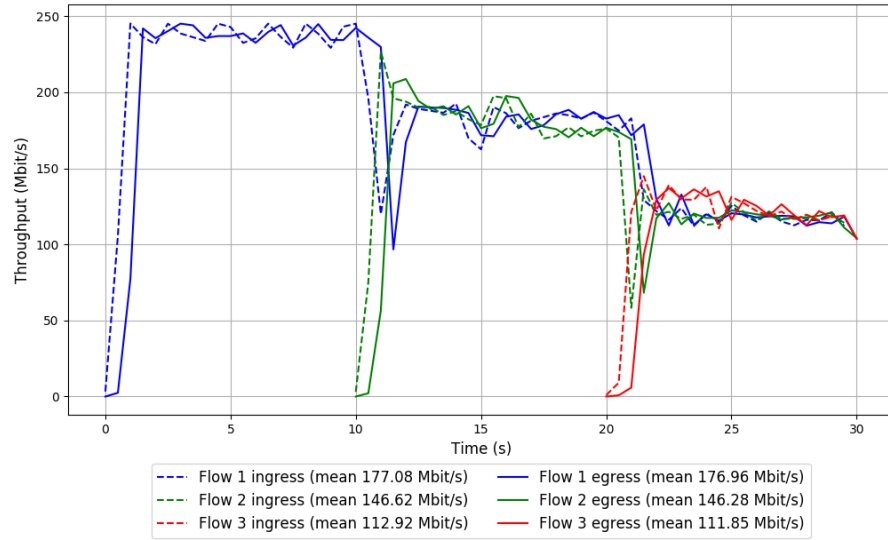
-- Flow 3:

Average throughput: 111.85 Mbit/s

95th percentile per-packet one-way delay: 148.454 ms

Loss rate: 1.94%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-02 06:14:03

End at: 2018-07-02 06:14:33

Local clock offset: 0.049 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 317.74 Mbit/s

95th percentile per-packet one-way delay: 137.941 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 176.74 Mbit/s

95th percentile per-packet one-way delay: 133.292 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 152.50 Mbit/s

95th percentile per-packet one-way delay: 138.491 ms

Loss rate: 0.69%

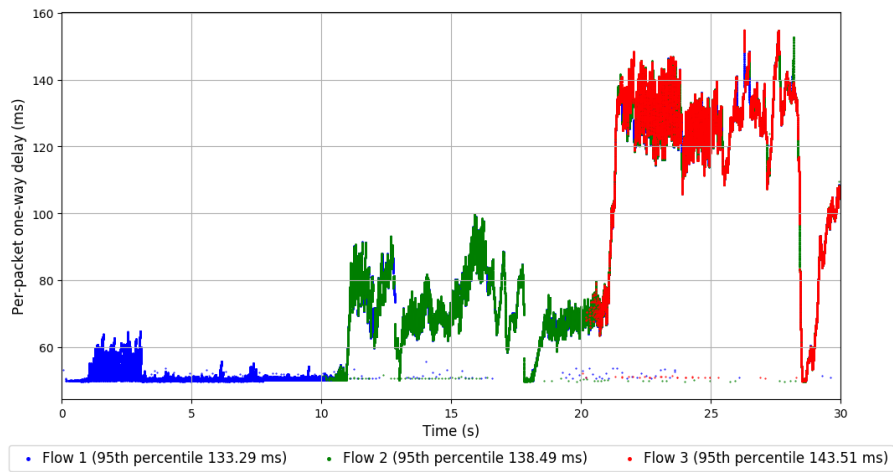
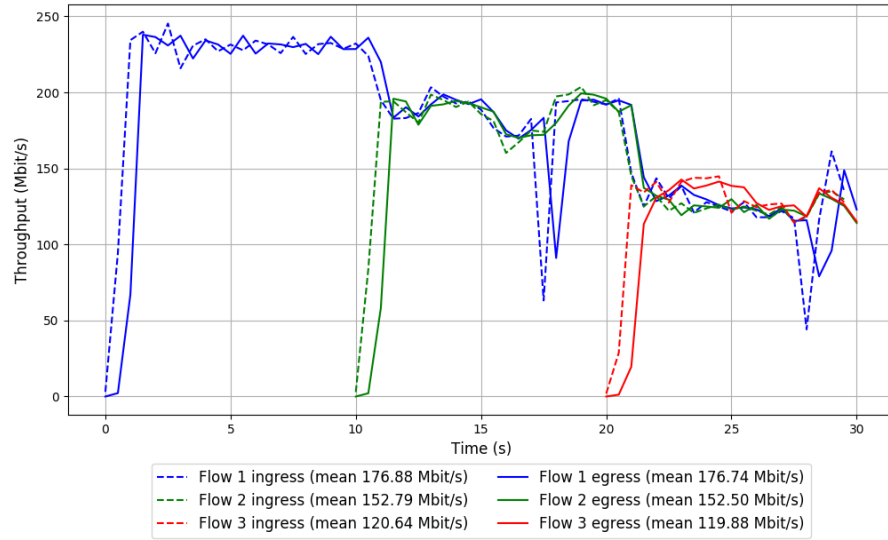
-- Flow 3:

Average throughput: 119.88 Mbit/s

95th percentile per-packet one-way delay: 143.506 ms

Loss rate: 1.64%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-07-02 06:37:25

End at: 2018-07-02 06:37:55

Local clock offset: 0.009 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 316.75 Mbit/s

95th percentile per-packet one-way delay: 136.240 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 174.68 Mbit/s

95th percentile per-packet one-way delay: 132.360 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 153.87 Mbit/s

95th percentile per-packet one-way delay: 136.540 ms

Loss rate: 0.71%

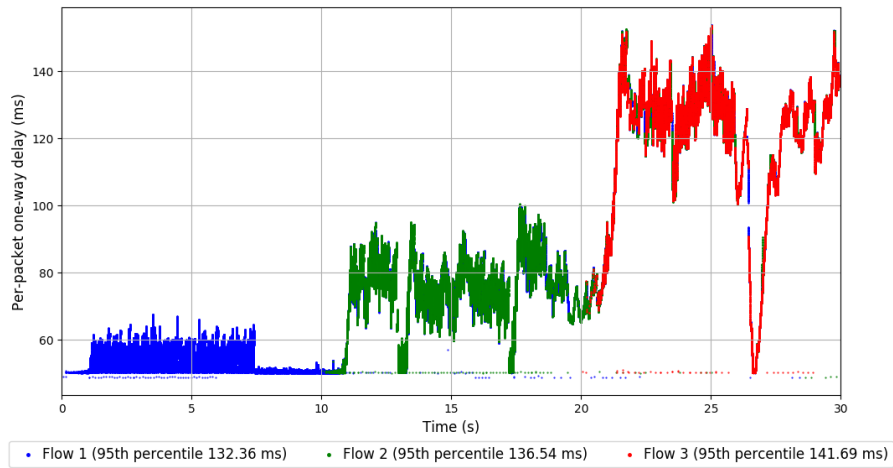
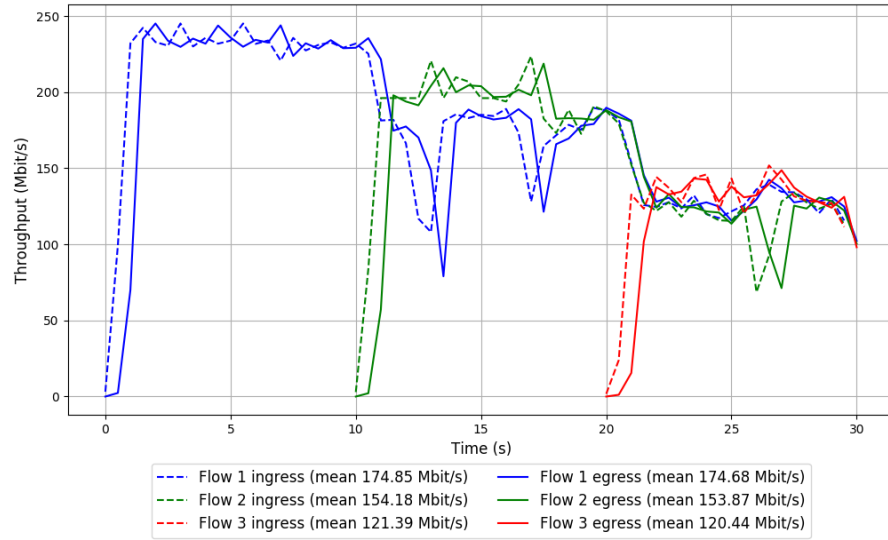
-- Flow 3:

Average throughput: 120.44 Mbit/s

95th percentile per-packet one-way delay: 141.693 ms

Loss rate: 1.80%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-07-02 07:00:25

End at: 2018-07-02 07:00:55

Local clock offset: -0.006 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at 2018-07-02 08:13:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 323.60 Mbit/s

95th percentile per-packet one-way delay: 127.031 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 179.05 Mbit/s

95th percentile per-packet one-way delay: 122.550 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 155.83 Mbit/s

95th percentile per-packet one-way delay: 126.265 ms

Loss rate: 0.72%

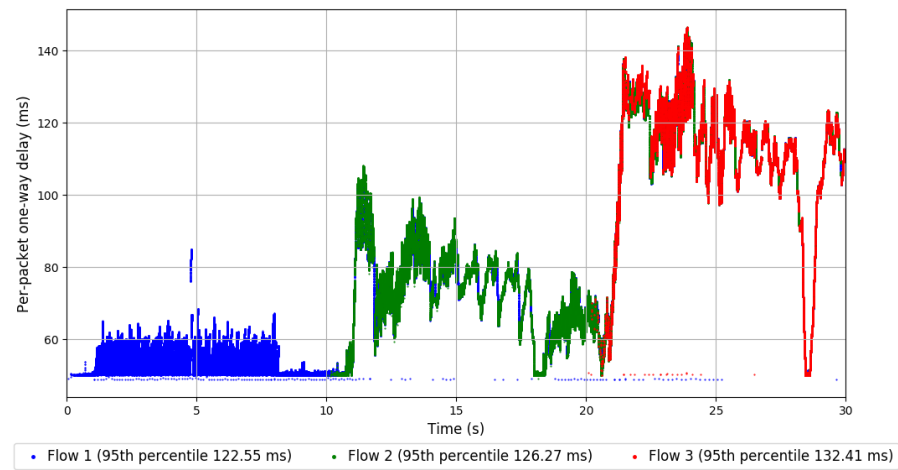
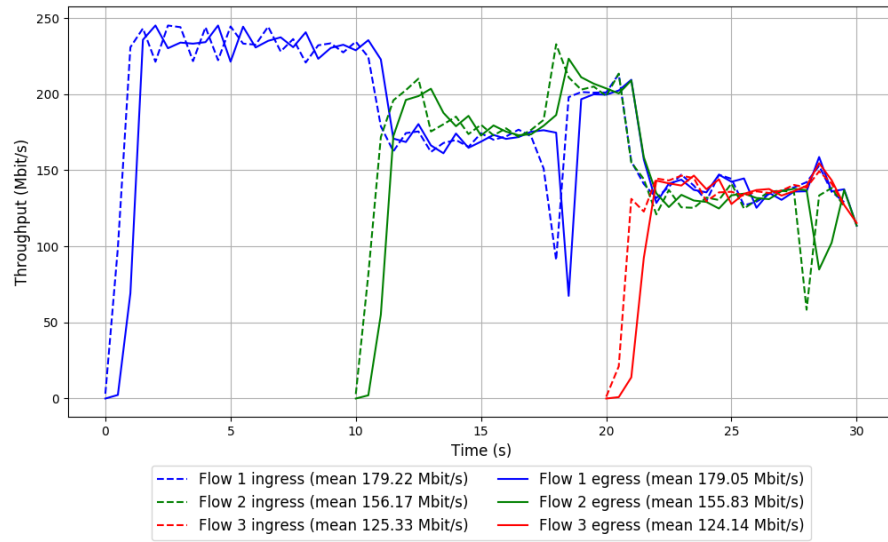
-- Flow 3:

Average throughput: 124.14 Mbit/s

95th percentile per-packet one-way delay: 132.411 ms

Loss rate: 1.88%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-07-02 07:23:26

End at: 2018-07-02 07:23:56

Local clock offset: -0.034 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-02 08:18:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 315.34 Mbit/s

95th percentile per-packet one-way delay: 148.108 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 173.68 Mbit/s

95th percentile per-packet one-way delay: 144.205 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 153.03 Mbit/s

95th percentile per-packet one-way delay: 147.804 ms

Loss rate: 0.70%

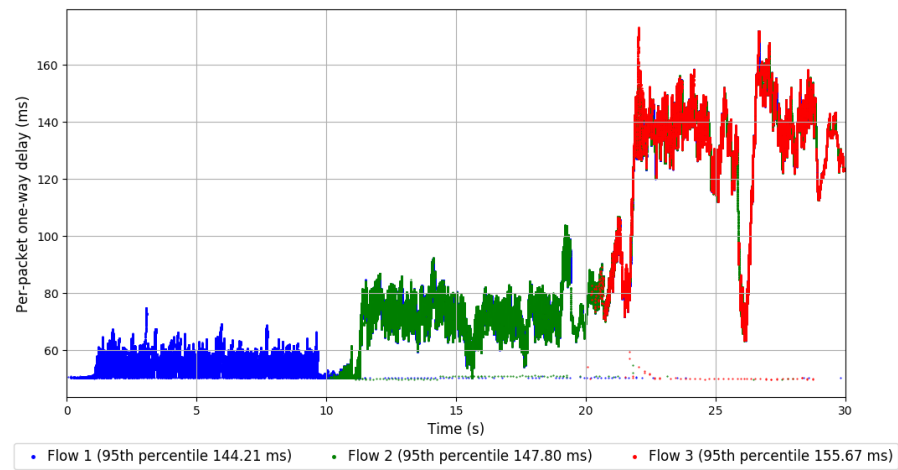
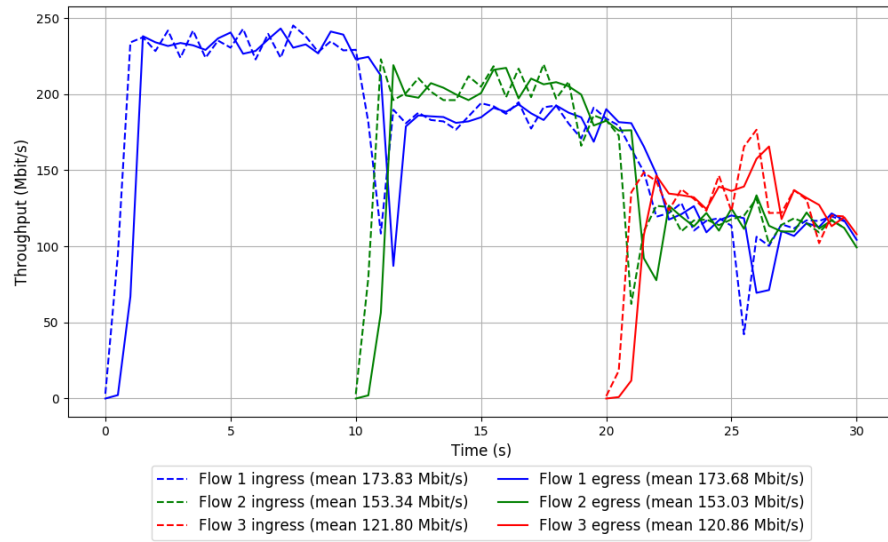
-- Flow 3:

Average throughput: 120.86 Mbit/s

95th percentile per-packet one-way delay: 155.674 ms

Loss rate: 1.82%

Run 9: Report of TCP BBR — Data Link

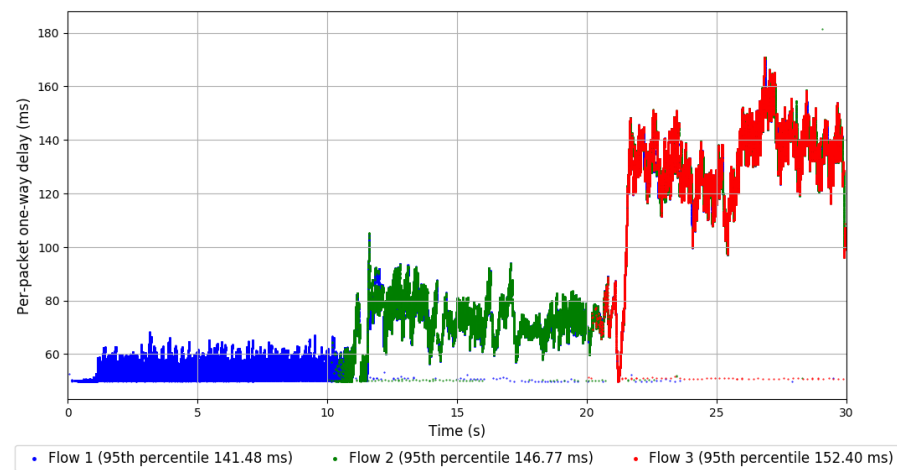
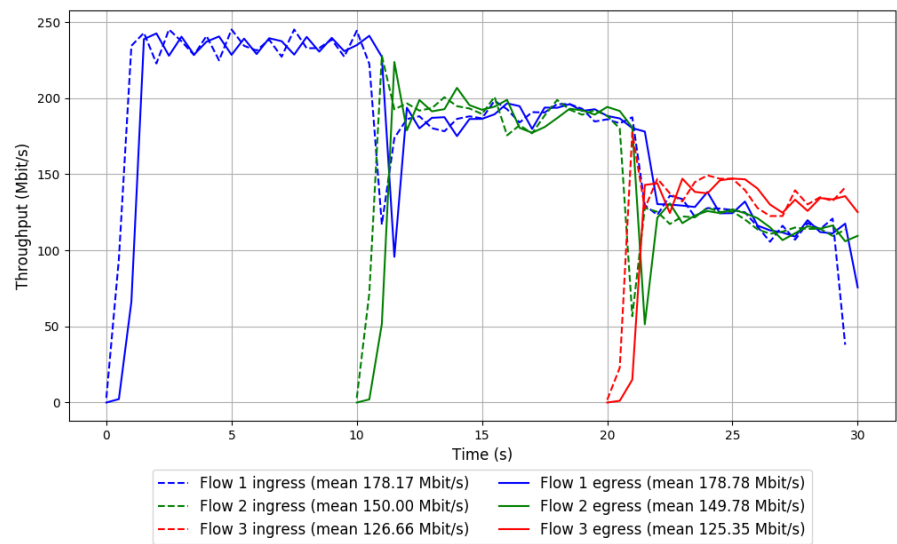


Run 10: Statistics of TCP BBR

Start at: 2018-07-02 07:46:34
End at: 2018-07-02 07:47:04
Local clock offset: -0.079 ms
Remote clock offset: -0.229 ms

Below is generated by plot.py at 2018-07-02 08:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 319.17 Mbit/s
95th percentile per-packet one-way delay: 146.503 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 178.78 Mbit/s
95th percentile per-packet one-way delay: 141.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 149.78 Mbit/s
95th percentile per-packet one-way delay: 146.768 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 125.35 Mbit/s
95th percentile per-packet one-way delay: 152.398 ms
Loss rate: 2.05%

Run 10: Report of TCP BBR — Data Link

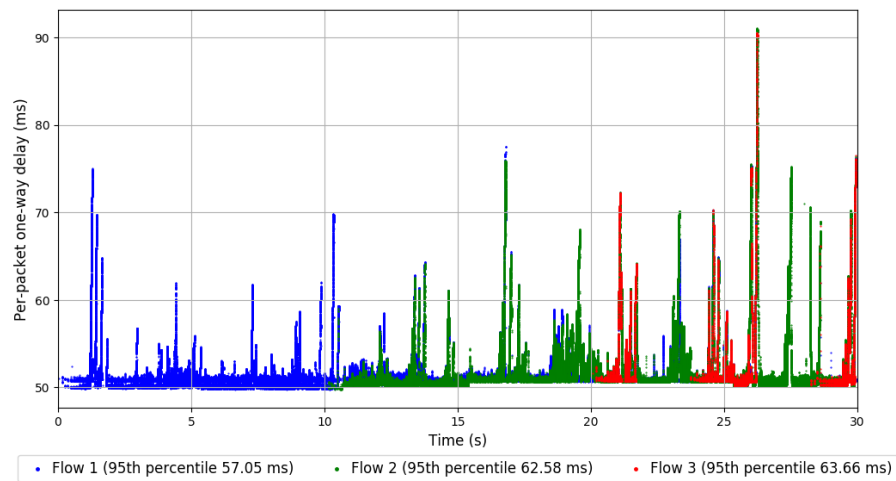
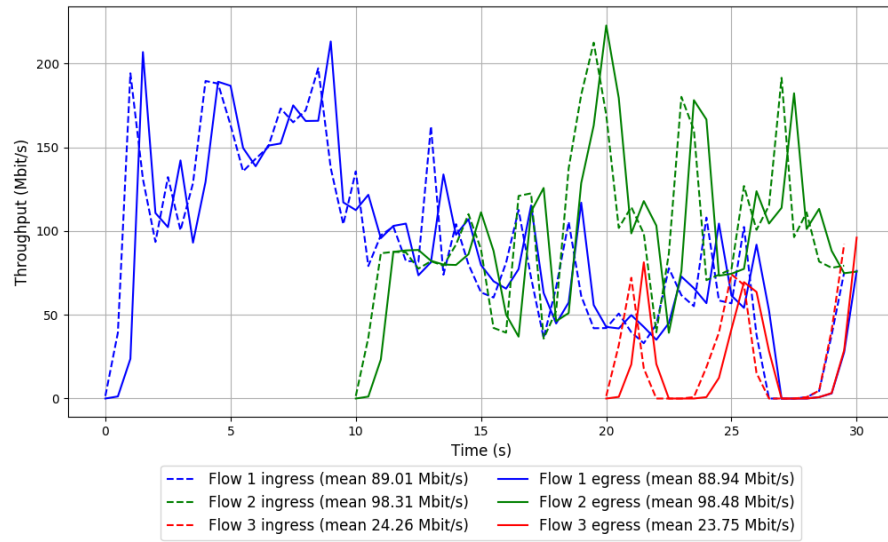


Run 1: Statistics of Copa

Start at: 2018-07-02 04:22:45
End at: 2018-07-02 04:23:15
Local clock offset: 0.133 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-07-02 08:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 162.27 Mbit/s
95th percentile per-packet one-way delay: 60.000 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.94 Mbit/s
95th percentile per-packet one-way delay: 57.051 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 98.48 Mbit/s
95th percentile per-packet one-way delay: 62.579 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 23.75 Mbit/s
95th percentile per-packet one-way delay: 63.657 ms
Loss rate: 1.99%

Run 1: Report of Copa — Data Link

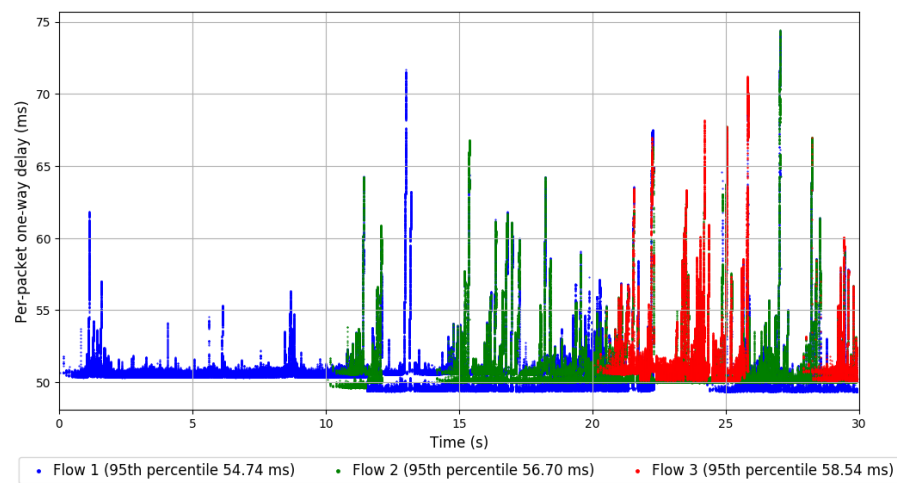
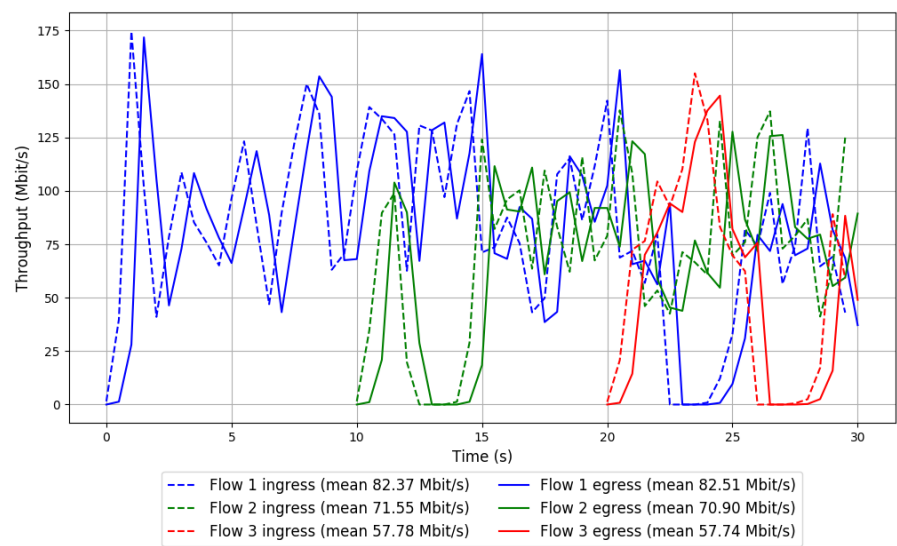


Run 2: Statistics of Copa

Start at: 2018-07-02 04:45:49
End at: 2018-07-02 04:46:19
Local clock offset: 0.044 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-02 08:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 148.63 Mbit/s
95th percentile per-packet one-way delay: 56.046 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 82.51 Mbit/s
95th percentile per-packet one-way delay: 54.738 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 56.701 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 57.74 Mbit/s
95th percentile per-packet one-way delay: 58.541 ms
Loss rate: 1.07%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-02 05:08:49

End at: 2018-07-02 05:09:19

Local clock offset: 0.48 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-02 08:18:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 151.55 Mbit/s

95th percentile per-packet one-way delay: 57.735 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 55.413 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 84.92 Mbit/s

95th percentile per-packet one-way delay: 58.390 ms

Loss rate: 0.45%

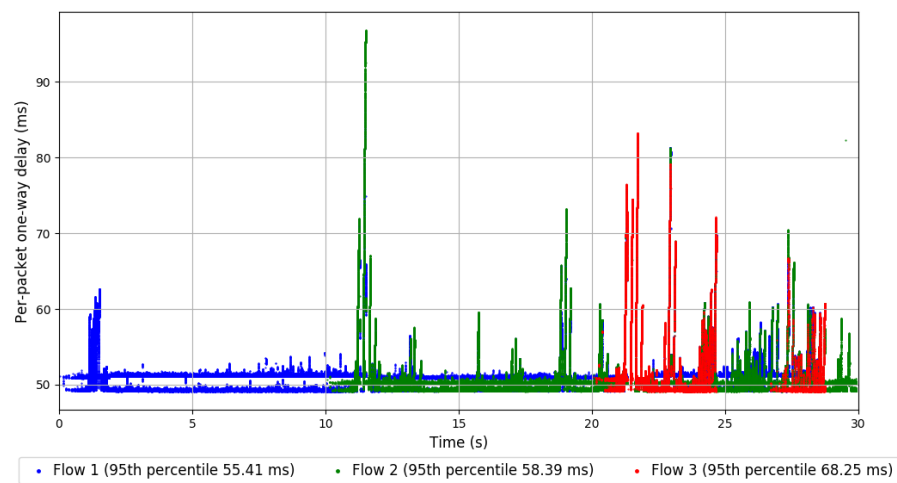
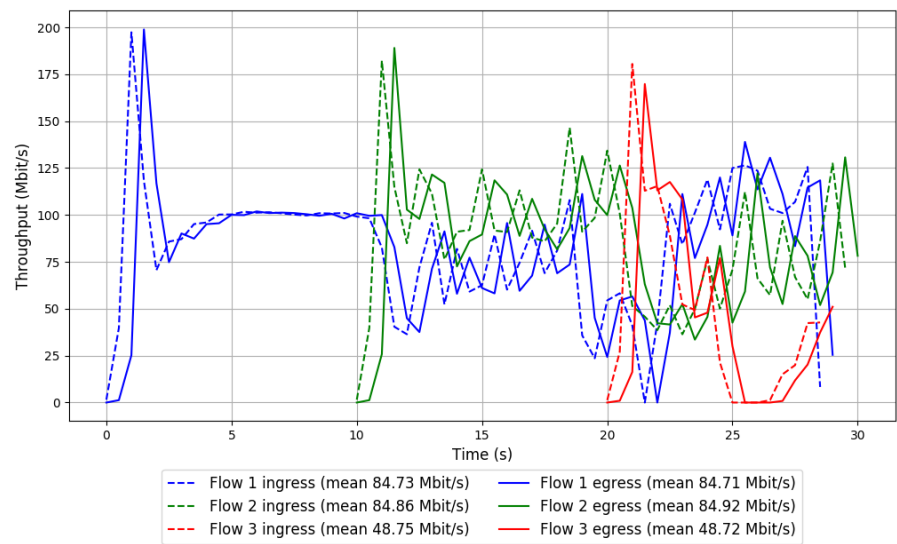
-- Flow 3:

Average throughput: 48.72 Mbit/s

95th percentile per-packet one-way delay: 68.254 ms

Loss rate: 0.01%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-02 05:31:55

End at: 2018-07-02 05:32:25

Local clock offset: 0.08 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-02 08:18:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 142.03 Mbit/s

95th percentile per-packet one-way delay: 54.904 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 55.000 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 81.88 Mbit/s

95th percentile per-packet one-way delay: 54.129 ms

Loss rate: 0.24%

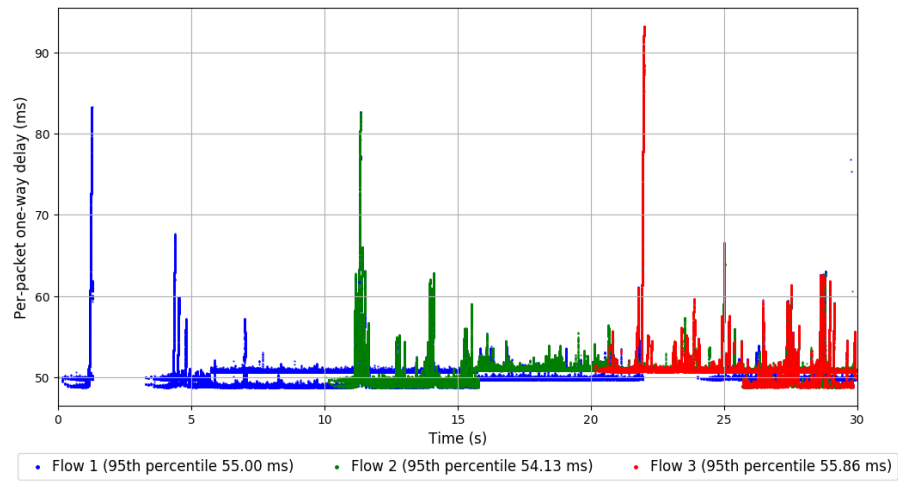
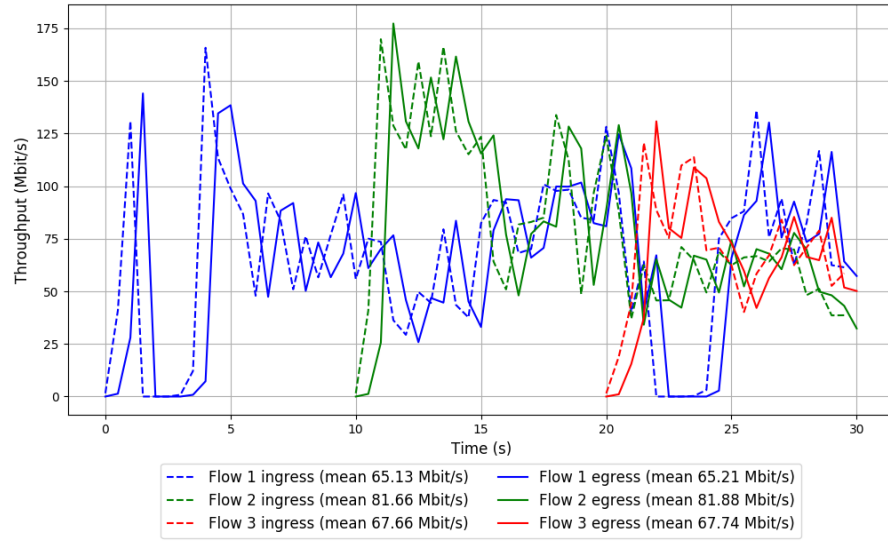
-- Flow 3:

Average throughput: 67.74 Mbit/s

95th percentile per-packet one-way delay: 55.857 ms

Loss rate: 0.91%

Run 4: Report of Copa — Data Link

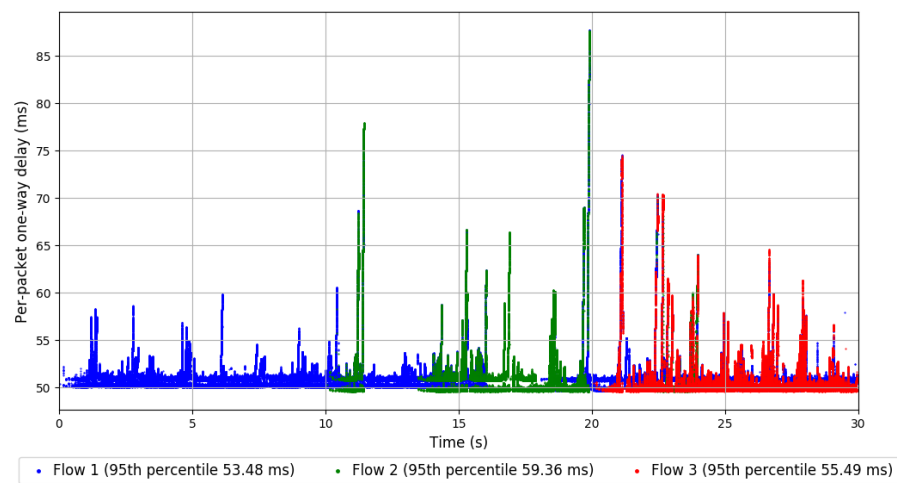
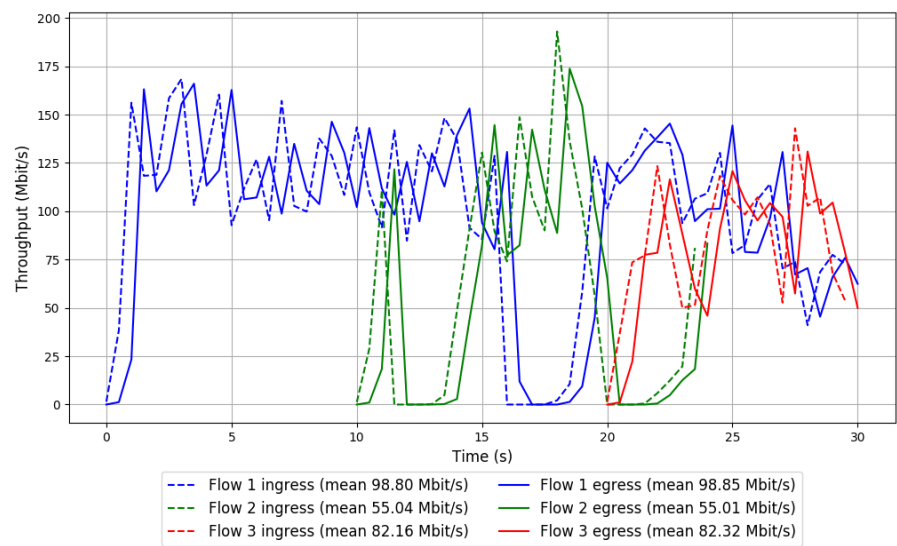


Run 5: Statistics of Copa

Start at: 2018-07-02 05:54:53
End at: 2018-07-02 05:55:23
Local clock offset: -0.003 ms
Remote clock offset: 0.176 ms

Below is generated by plot.py at 2018-07-02 08:18:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.67 Mbit/s
95th percentile per-packet one-way delay: 54.764 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 98.85 Mbit/s
95th percentile per-packet one-way delay: 53.485 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 55.01 Mbit/s
95th percentile per-packet one-way delay: 59.361 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 82.32 Mbit/s
95th percentile per-packet one-way delay: 55.493 ms
Loss rate: 0.80%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-07-02 06:18:03

End at: 2018-07-02 06:18:33

Local clock offset: 0.016 ms

Remote clock offset: 0.205 ms

Below is generated by plot.py at 2018-07-02 08:19:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 180.83 Mbit/s

95th percentile per-packet one-way delay: 55.895 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 103.59 Mbit/s

95th percentile per-packet one-way delay: 54.628 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 56.787 ms

Loss rate: 0.94%

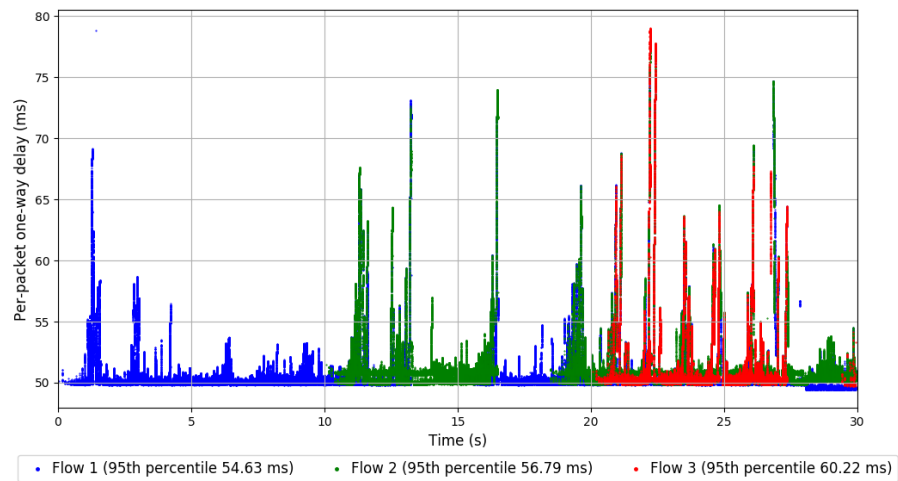
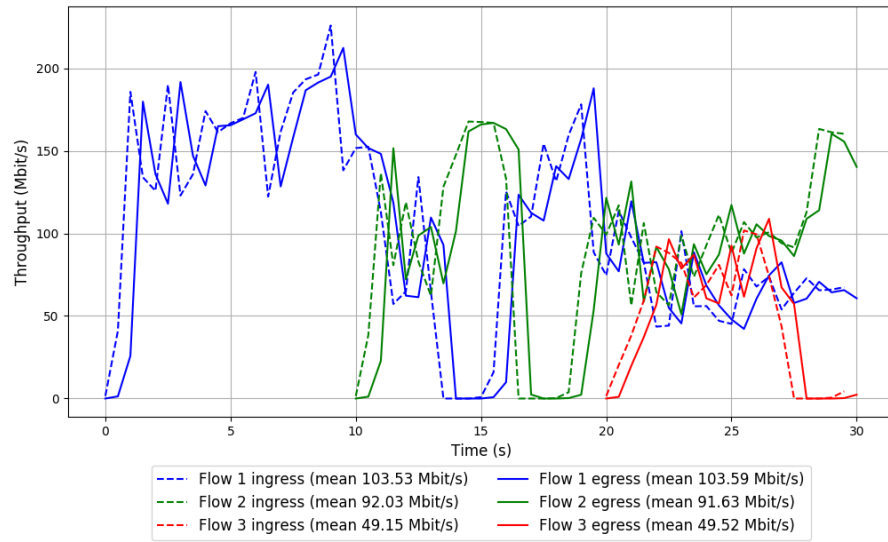
-- Flow 3:

Average throughput: 49.52 Mbit/s

95th percentile per-packet one-way delay: 60.215 ms

Loss rate: 0.24%

Run 6: Report of Copa — Data Link

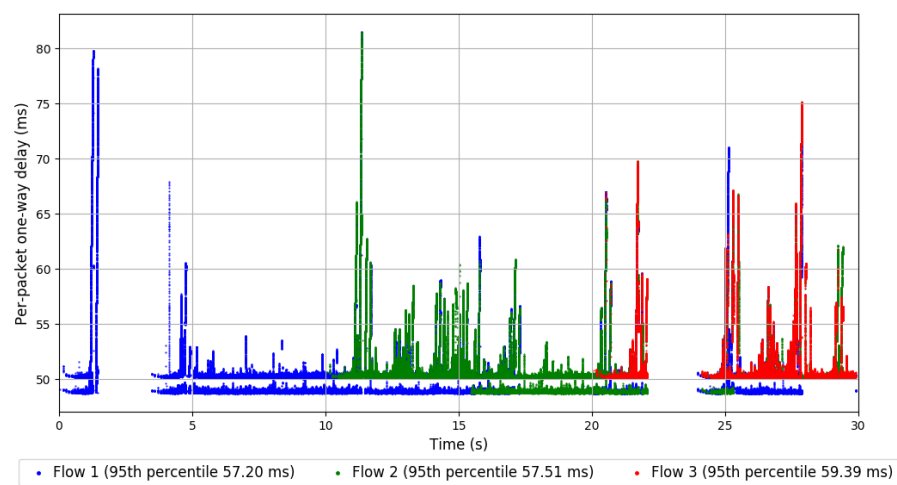
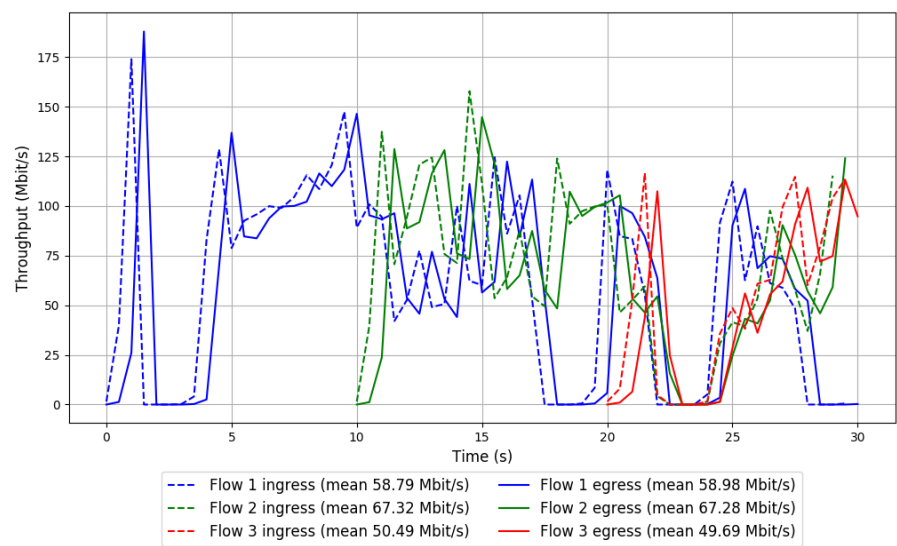


Run 7: Statistics of Copa

Start at: 2018-07-02 06:41:25
End at: 2018-07-02 06:41:55
Local clock offset: 0.013 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-02 08:21:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.95 Mbit/s
95th percentile per-packet one-way delay: 57.600 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 57.204 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 57.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 59.388 ms
Loss rate: 2.48%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-07-02 07:04:23

End at: 2018-07-02 07:04:53

Local clock offset: -0.03 ms

Remote clock offset: 0.003 ms

Below is generated by plot.py at 2018-07-02 08:21:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.23 Mbit/s

95th percentile per-packet one-way delay: 59.063 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 62.92 Mbit/s

95th percentile per-packet one-way delay: 60.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.81 Mbit/s

95th percentile per-packet one-way delay: 59.325 ms

Loss rate: 0.90%

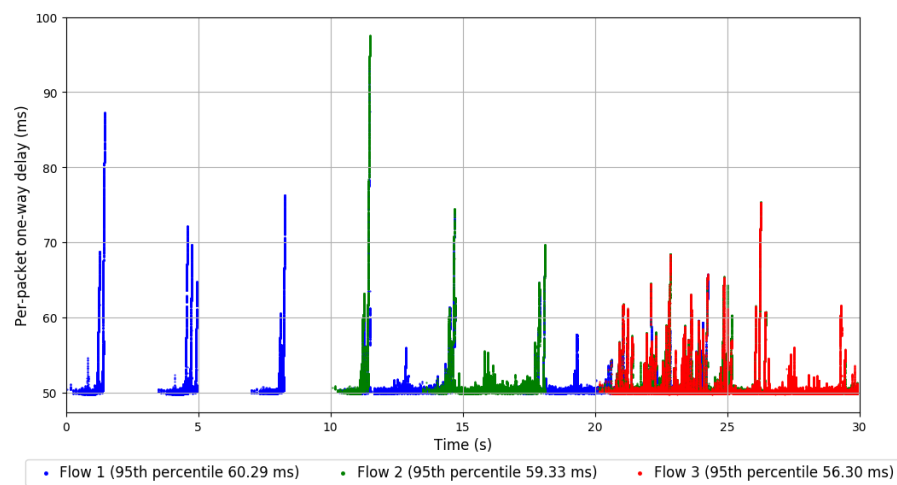
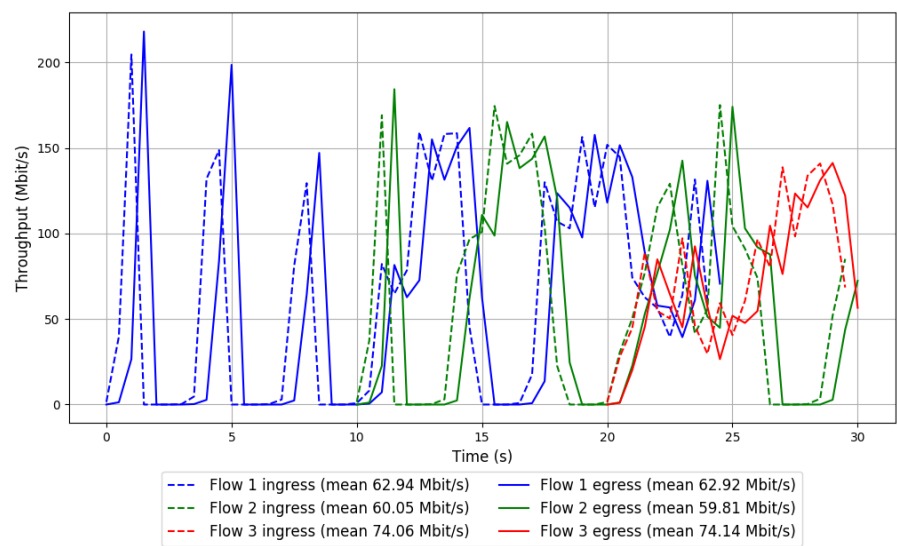
-- Flow 3:

Average throughput: 74.14 Mbit/s

95th percentile per-packet one-way delay: 56.301 ms

Loss rate: 0.91%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-07-02 07:27:26

End at: 2018-07-02 07:27:56

Local clock offset: -0.041 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at 2018-07-02 08:22:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 138.92 Mbit/s

95th percentile per-packet one-way delay: 56.637 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 56.351 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 55.730 ms

Loss rate: 0.18%

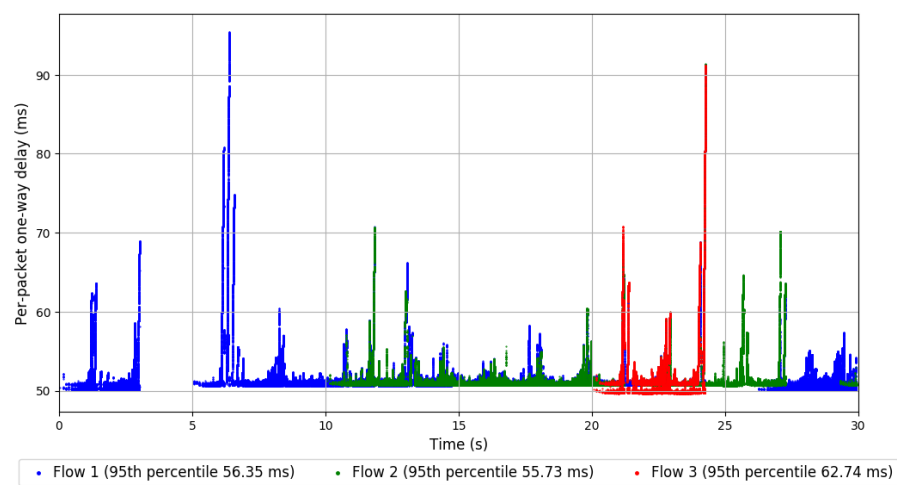
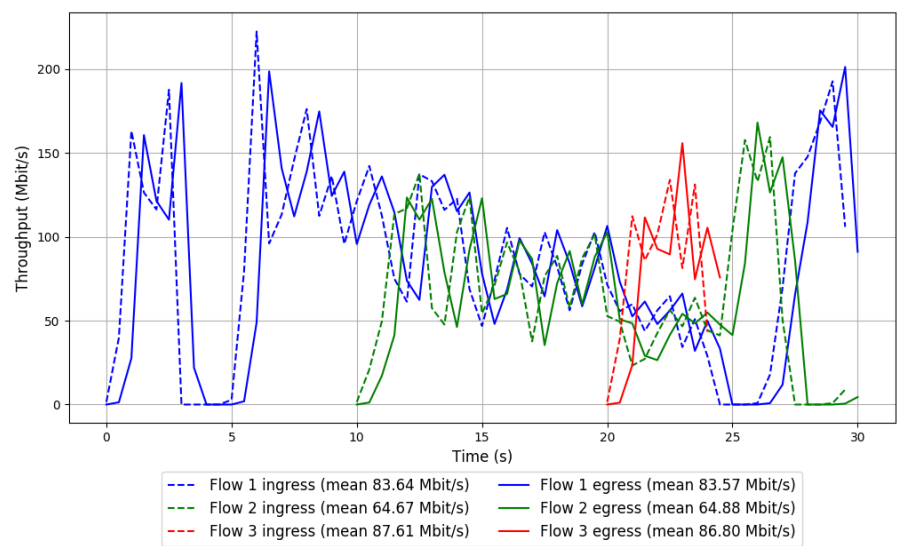
-- Flow 3:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 62.743 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

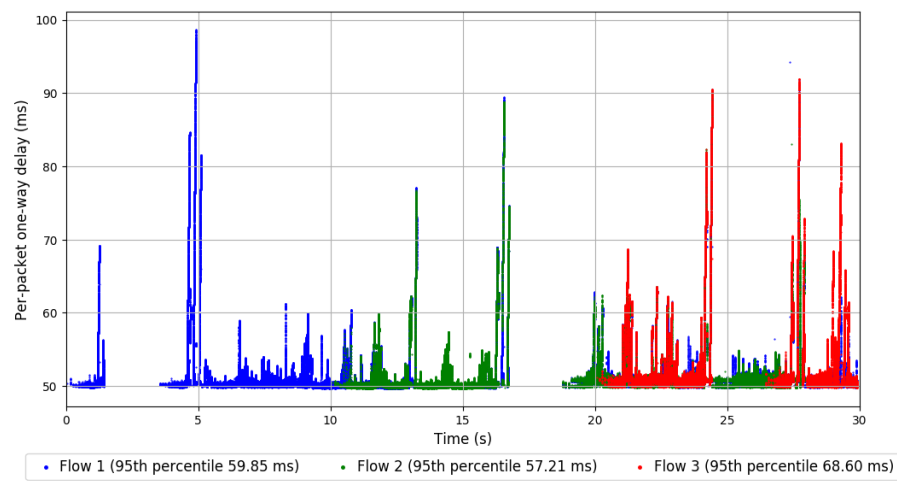
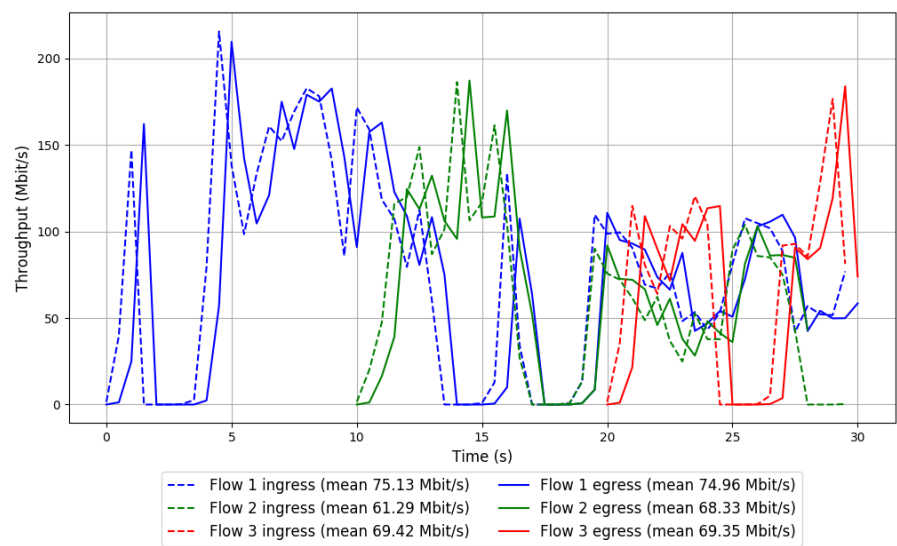


Run 10: Statistics of Copa

Start at: 2018-07-02 07:50:32
End at: 2018-07-02 07:51:02
Local clock offset: -0.095 ms
Remote clock offset: -0.246 ms

Below is generated by plot.py at 2018-07-02 08:22:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 138.67 Mbit/s
95th percentile per-packet one-way delay: 61.066 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 59.851 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 68.33 Mbit/s
95th percentile per-packet one-way delay: 57.209 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 69.35 Mbit/s
95th percentile per-packet one-way delay: 68.601 ms
Loss rate: 1.13%

Run 10: Report of Copa — Data Link

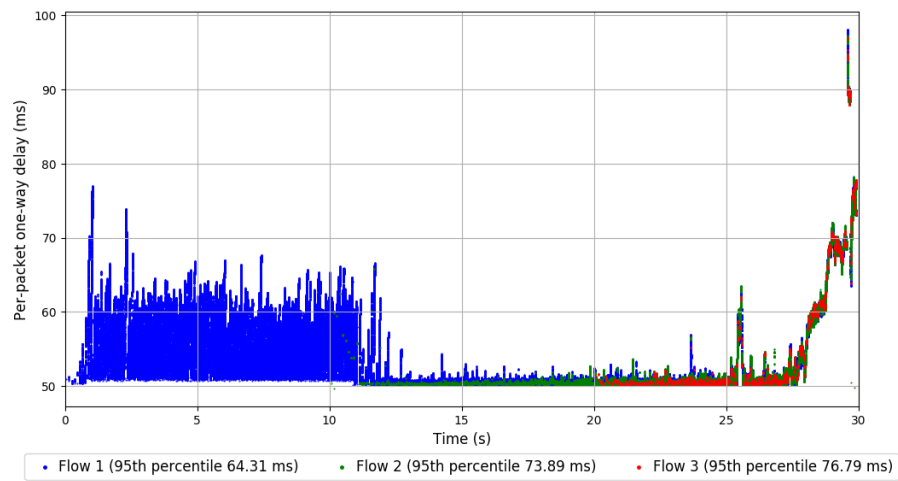
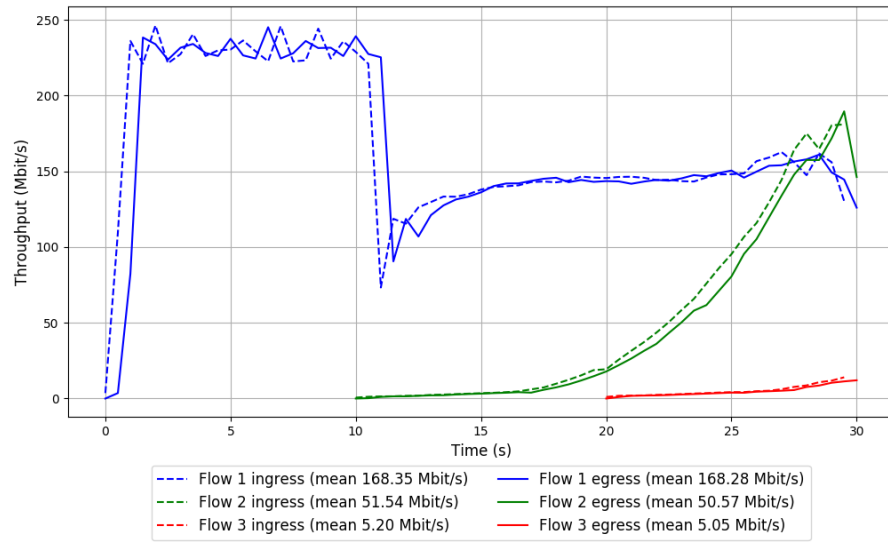


Run 1: Statistics of TCP Cubic

Start at: 2018-07-02 04:26:00
End at: 2018-07-02 04:26:30
Local clock offset: 0.064 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2018-07-02 08:22:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 203.54 Mbit/s
95th percentile per-packet one-way delay: 68.228 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 168.28 Mbit/s
95th percentile per-packet one-way delay: 64.308 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 50.57 Mbit/s
95th percentile per-packet one-way delay: 73.886 ms
Loss rate: 2.38%
-- Flow 3:
Average throughput: 5.05 Mbit/s
95th percentile per-packet one-way delay: 76.790 ms
Loss rate: 3.72%

Run 1: Report of TCP Cubic — Data Link

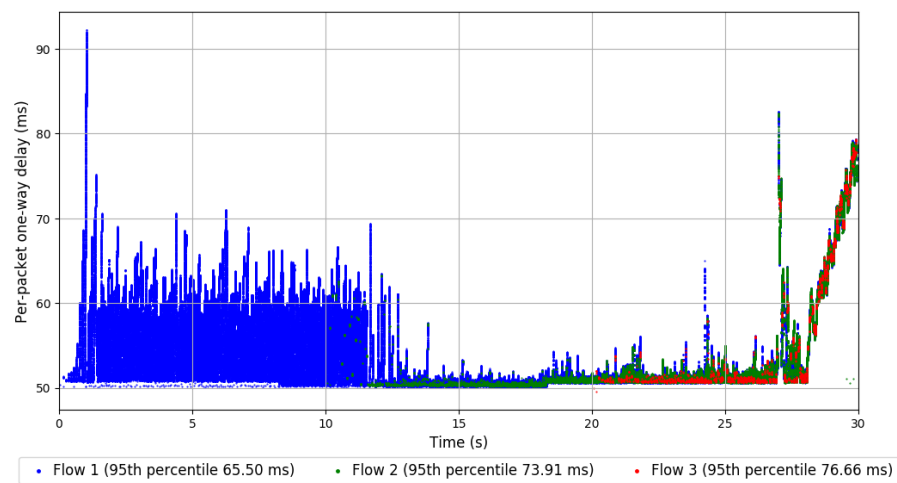
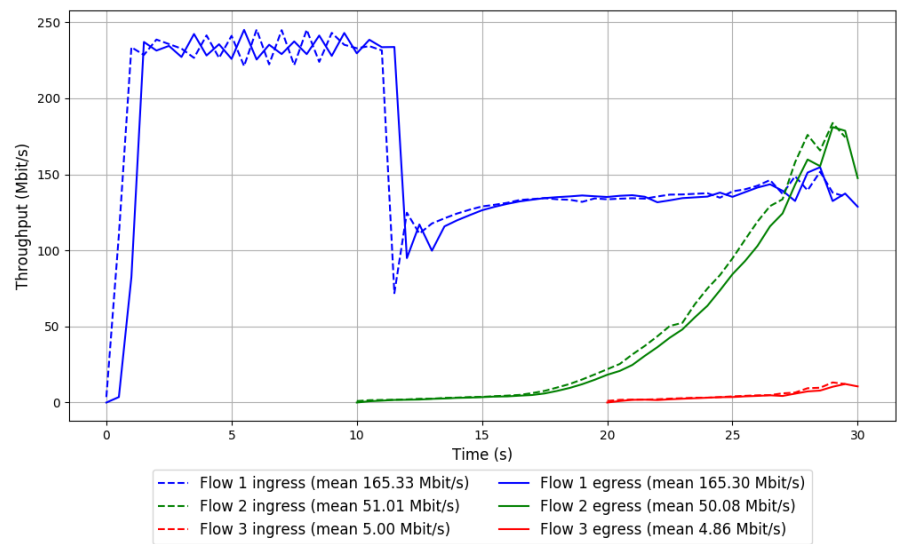


Run 2: Statistics of TCP Cubic

Start at: 2018-07-02 04:49:03
End at: 2018-07-02 04:49:33
Local clock offset: 0.083 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-02 08:22:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 200.19 Mbit/s
95th percentile per-packet one-way delay: 68.836 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 165.30 Mbit/s
95th percentile per-packet one-way delay: 65.498 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 50.08 Mbit/s
95th percentile per-packet one-way delay: 73.907 ms
Loss rate: 2.25%
-- Flow 3:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 76.658 ms
Loss rate: 3.83%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-02 05:12:04

End at: 2018-07-02 05:12:34

Local clock offset: -0.285 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-02 08:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.16 Mbit/s

95th percentile per-packet one-way delay: 146.729 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 131.13 Mbit/s

95th percentile per-packet one-way delay: 144.558 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 172.14 Mbit/s

95th percentile per-packet one-way delay: 146.965 ms

Loss rate: 0.66%

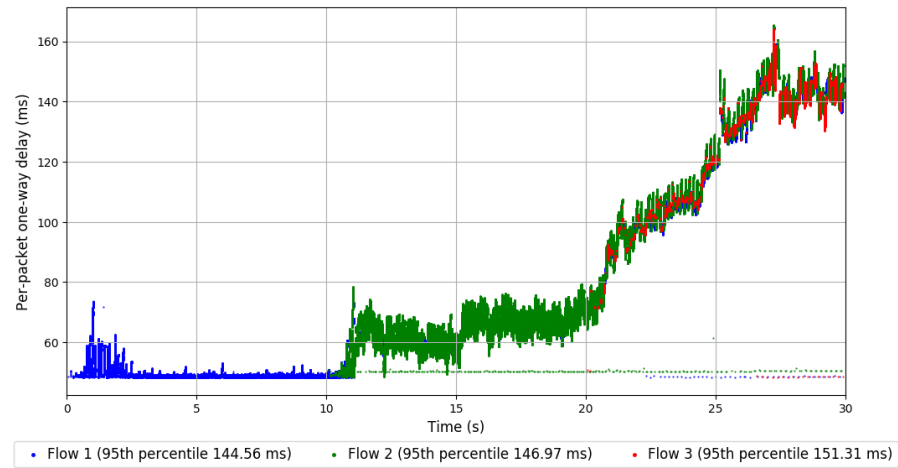
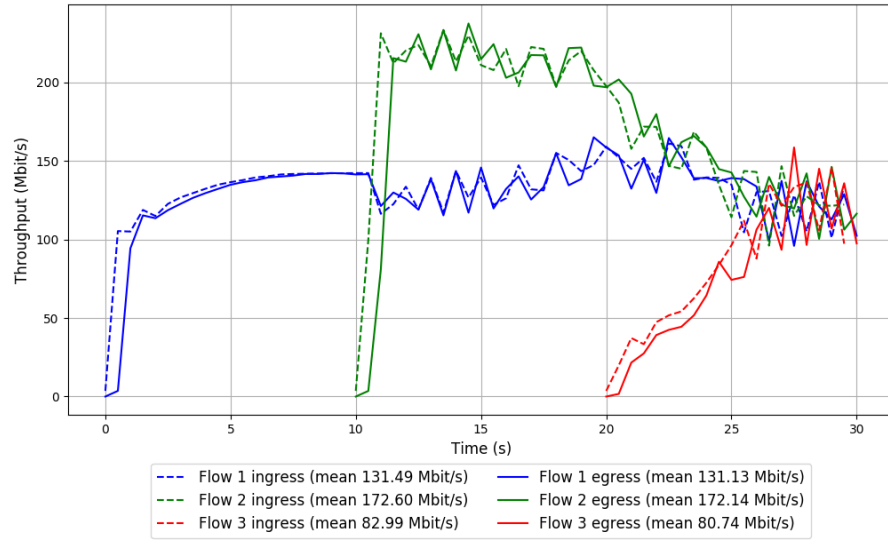
-- Flow 3:

Average throughput: 80.74 Mbit/s

95th percentile per-packet one-way delay: 151.310 ms

Loss rate: 2.97%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-02 05:35:11

End at: 2018-07-02 05:35:41

Local clock offset: 0.062 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-02 08:23:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.90 Mbit/s

95th percentile per-packet one-way delay: 77.482 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 178.83 Mbit/s

95th percentile per-packet one-way delay: 77.149 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 48.67 Mbit/s

95th percentile per-packet one-way delay: 80.920 ms

Loss rate: 2.44%

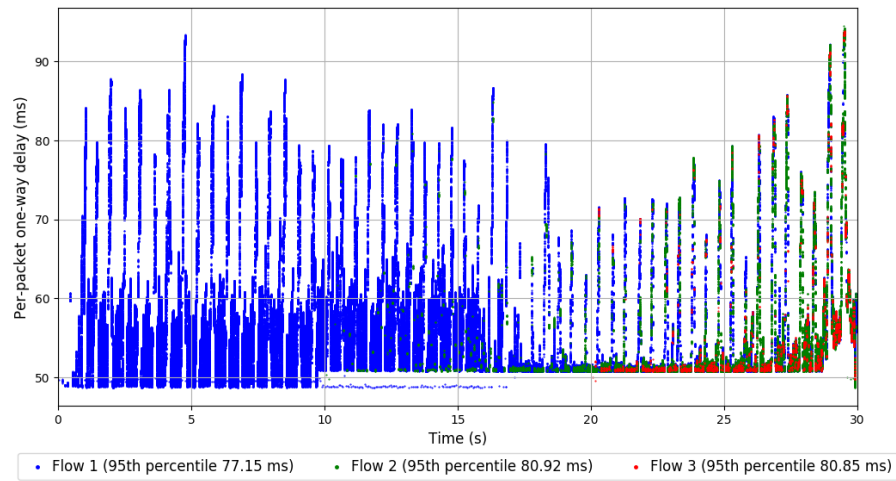
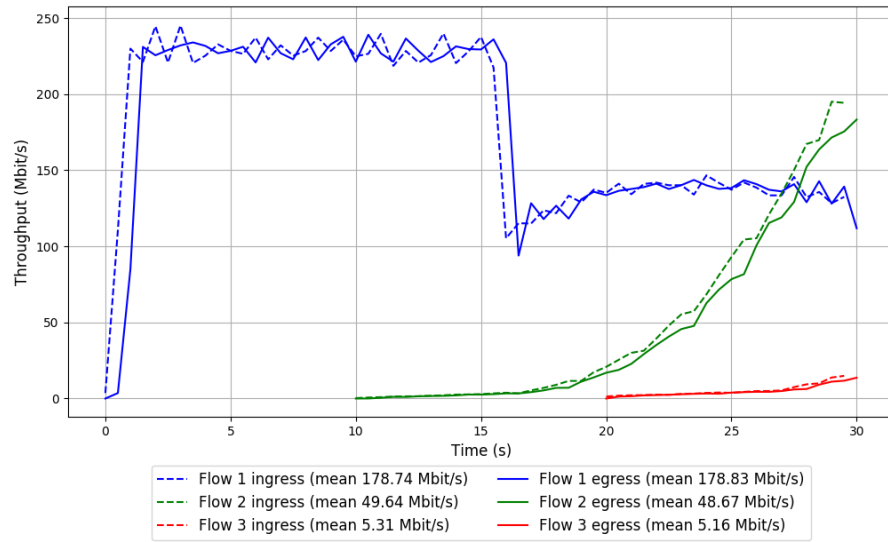
-- Flow 3:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 80.851 ms

Loss rate: 3.66%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-07-02 05:58:08

End at: 2018-07-02 05:58:38

Local clock offset: -0.364 ms

Remote clock offset: 0.133 ms

Below is generated by plot.py at 2018-07-02 08:26:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 302.59 Mbit/s

95th percentile per-packet one-way delay: 88.507 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 181.79 Mbit/s

95th percentile per-packet one-way delay: 87.923 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 179.55 Mbit/s

95th percentile per-packet one-way delay: 89.125 ms

Loss rate: 0.34%

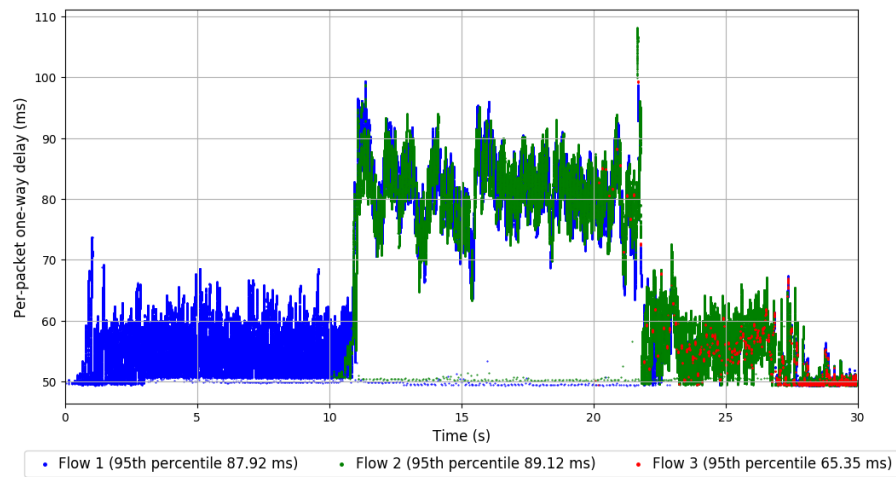
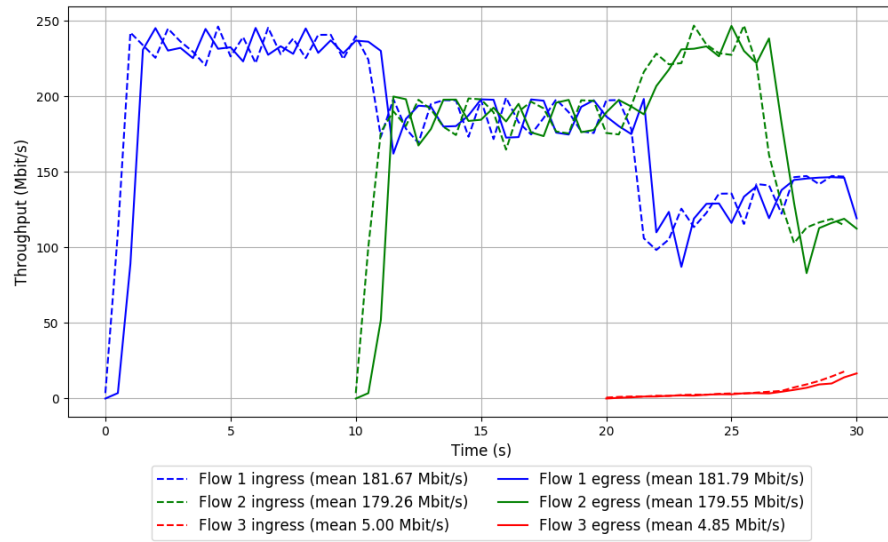
-- Flow 3:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 65.347 ms

Loss rate: 4.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-02 06:21:23

End at: 2018-07-02 06:21:53

Local clock offset: 0.007 ms

Remote clock offset: 0.186 ms

Below is generated by plot.py at 2018-07-02 08:26:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 293.96 Mbit/s

95th percentile per-packet one-way delay: 114.052 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 198.01 Mbit/s

95th percentile per-packet one-way delay: 107.774 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 106.62 Mbit/s

95th percentile per-packet one-way delay: 110.897 ms

Loss rate: 0.53%

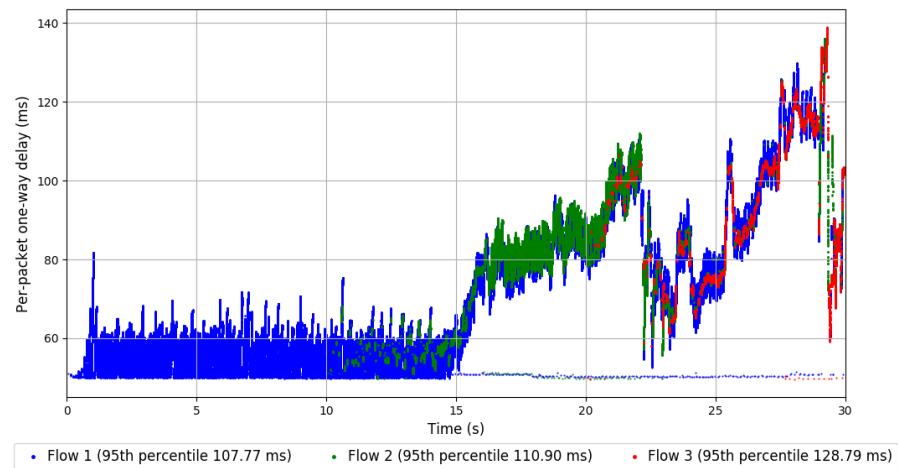
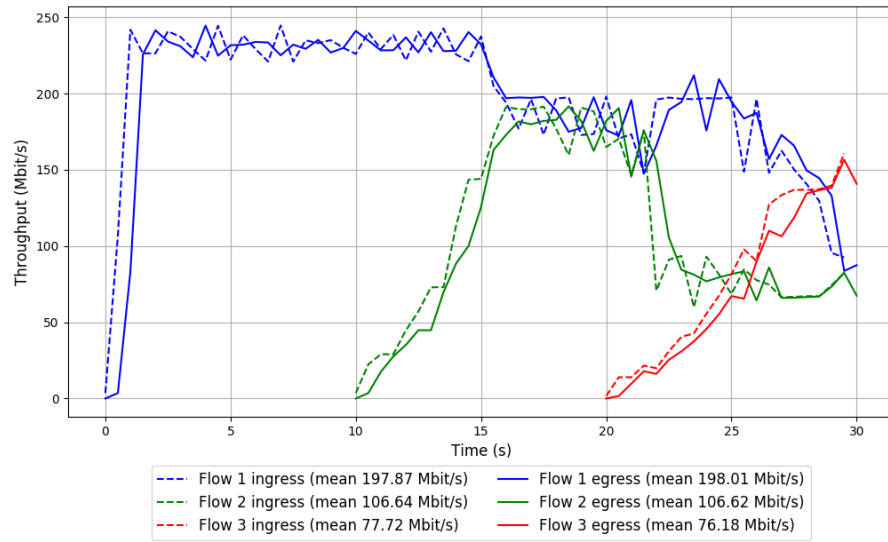
-- Flow 3:

Average throughput: 76.18 Mbit/s

95th percentile per-packet one-way delay: 128.793 ms

Loss rate: 2.95%

Run 6: Report of TCP Cubic — Data Link

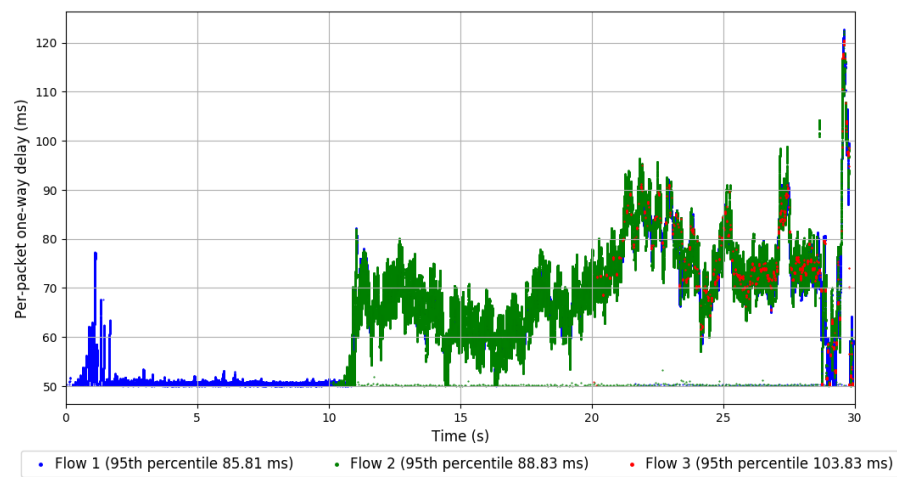
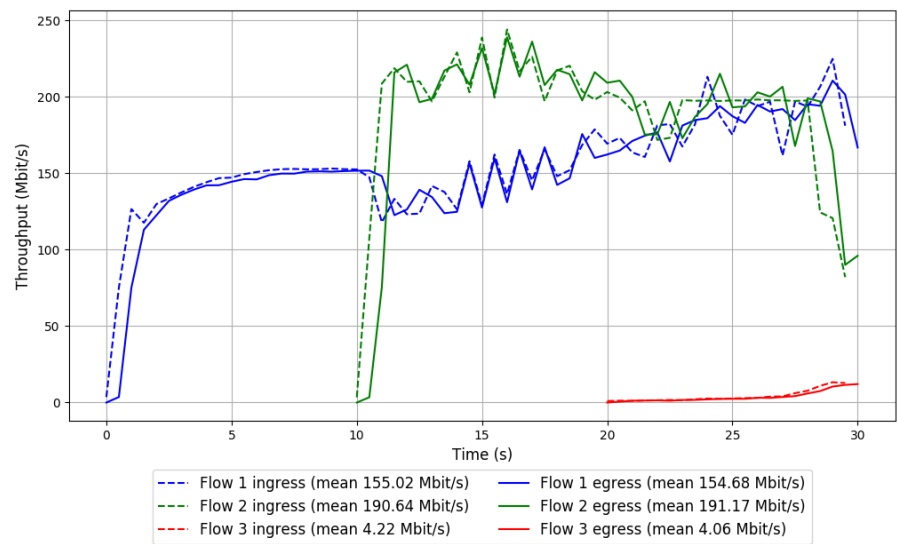


Run 7: Statistics of TCP Cubic

Start at: 2018-07-02 06:44:38
End at: 2018-07-02 06:45:08
Local clock offset: -0.007 ms
Remote clock offset: -0.001 ms

Below is generated by plot.py at 2018-07-02 08:26:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 282.89 Mbit/s
95th percentile per-packet one-way delay: 87.514 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 154.68 Mbit/s
95th percentile per-packet one-way delay: 85.814 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 191.17 Mbit/s
95th percentile per-packet one-way delay: 88.829 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 4.06 Mbit/s
95th percentile per-packet one-way delay: 103.829 ms
Loss rate: 4.72%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

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

End at: 2018-07-02 07:08:07

Local clock offset: -0.025 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-02 08:26:52

Datalink statistics

-- Total of 3 flows:

Average throughput: 237.17 Mbit/s

95th percentile per-packet one-way delay: 108.615 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 106.80 Mbit/s

95th percentile per-packet one-way delay: 105.848 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 162.29 Mbit/s

95th percentile per-packet one-way delay: 108.314 ms

Loss rate: 0.37%

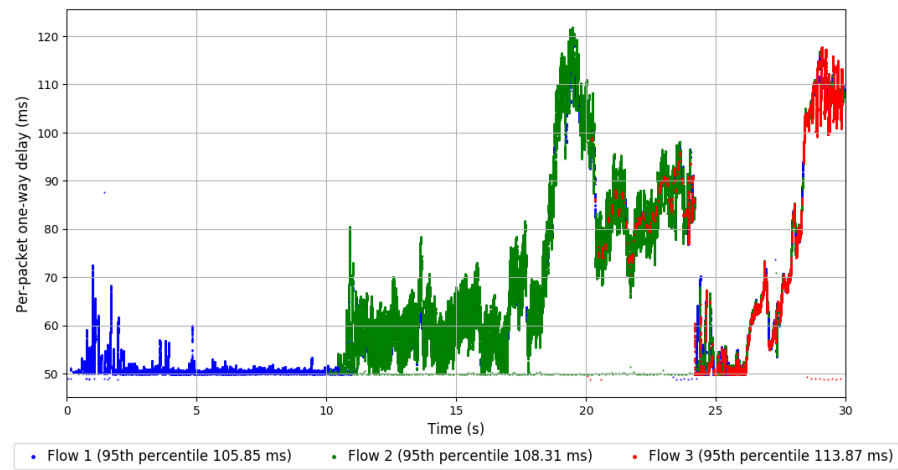
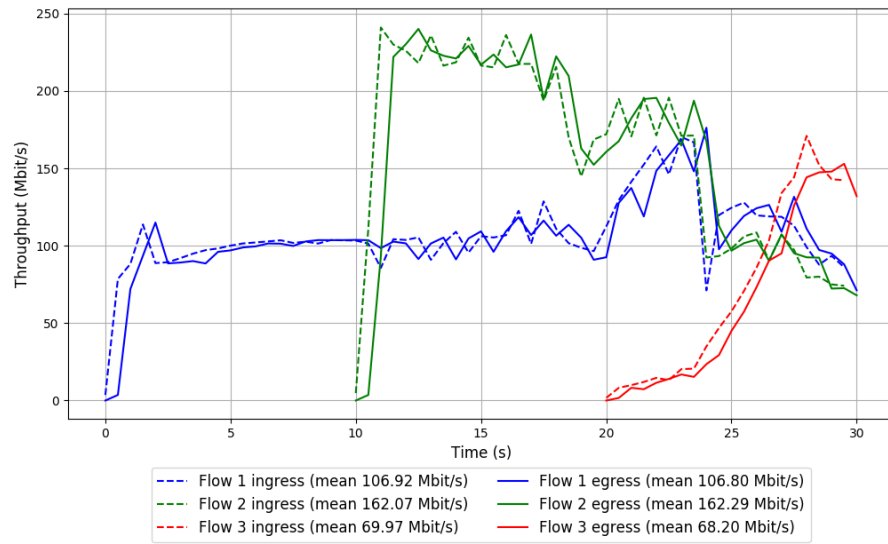
-- Flow 3:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 113.872 ms

Loss rate: 3.44%

Run 8: Report of TCP Cubic — Data Link

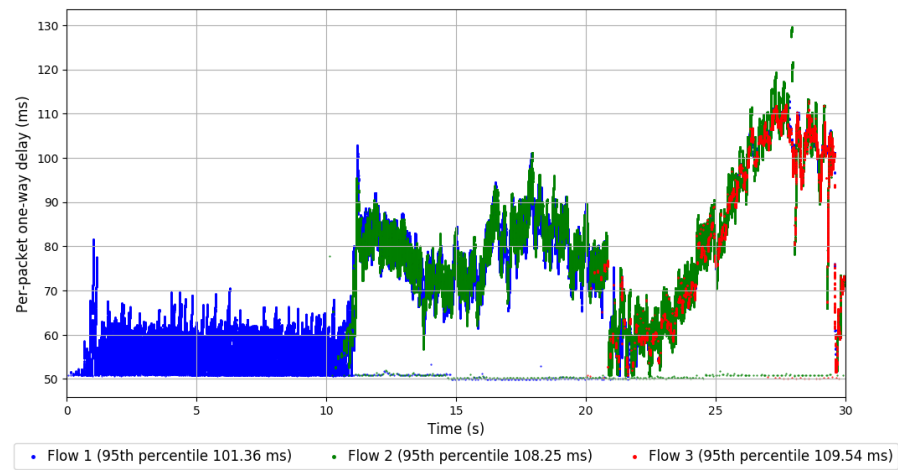
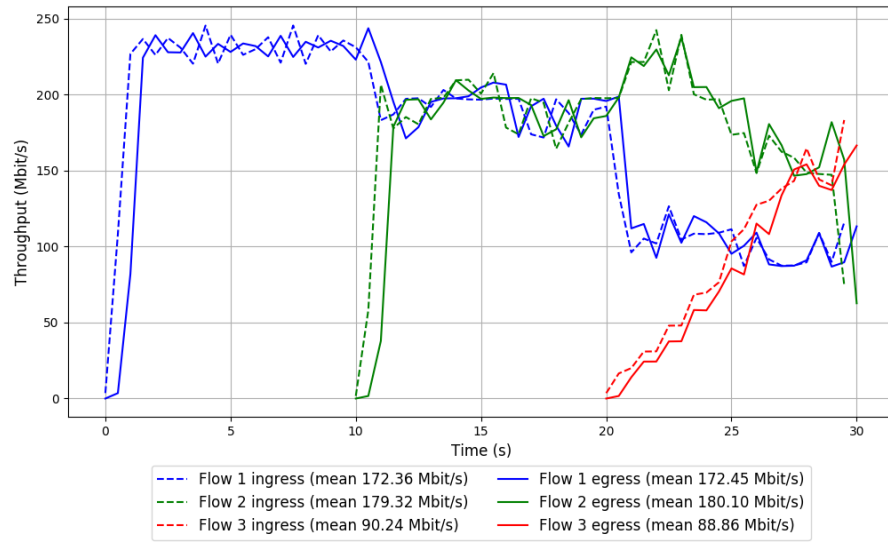


Run 9: Statistics of TCP Cubic

Start at: 2018-07-02 07:30:36
End at: 2018-07-02 07:31:06
Local clock offset: -0.114 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-02 08:27:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 321.02 Mbit/s
95th percentile per-packet one-way delay: 106.365 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 172.45 Mbit/s
95th percentile per-packet one-way delay: 101.358 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 180.10 Mbit/s
95th percentile per-packet one-way delay: 108.255 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 109.536 ms
Loss rate: 2.55%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-07-02 07:53:45

End at: 2018-07-02 07:54:15

Local clock offset: -0.106 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-07-02 08:27:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 283.28 Mbit/s

95th percentile per-packet one-way delay: 82.674 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 147.11 Mbit/s

95th percentile per-packet one-way delay: 81.969 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 202.80 Mbit/s

95th percentile per-packet one-way delay: 83.480 ms

Loss rate: 0.66%

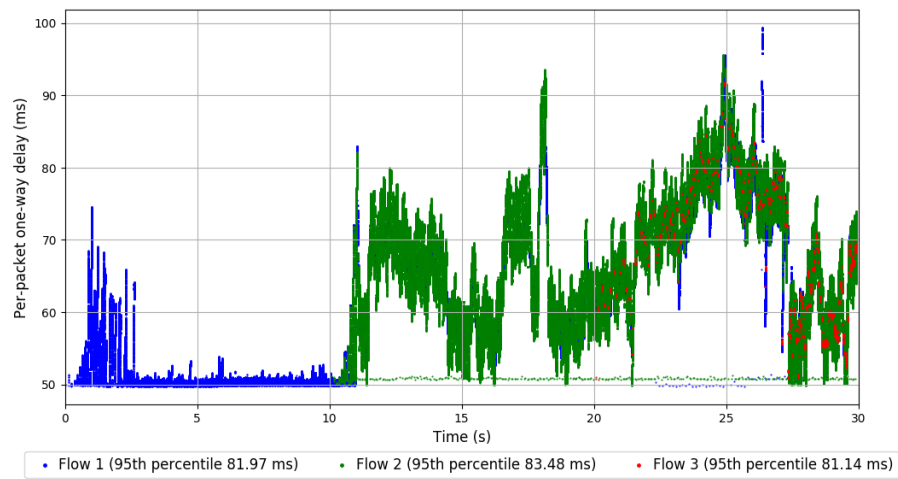
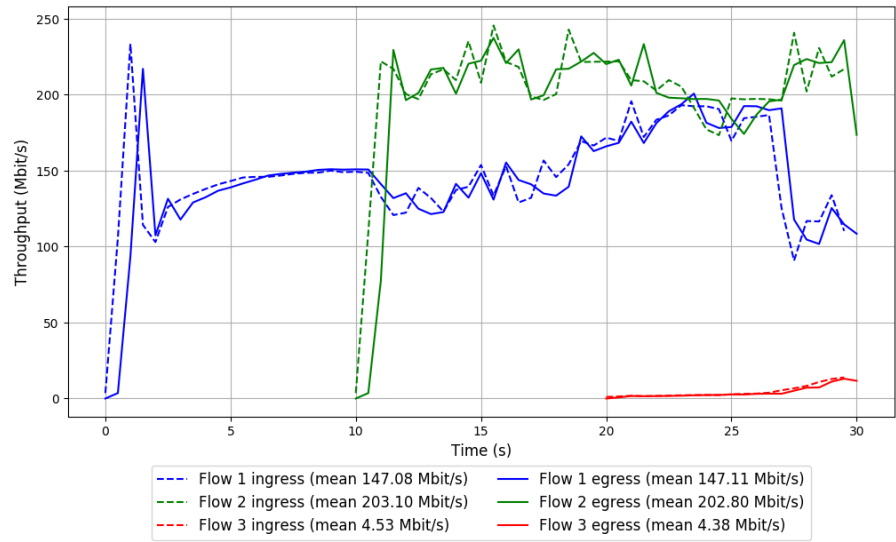
-- Flow 3:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 81.137 ms

Loss rate: 4.19%

Run 10: Report of TCP Cubic — Data Link

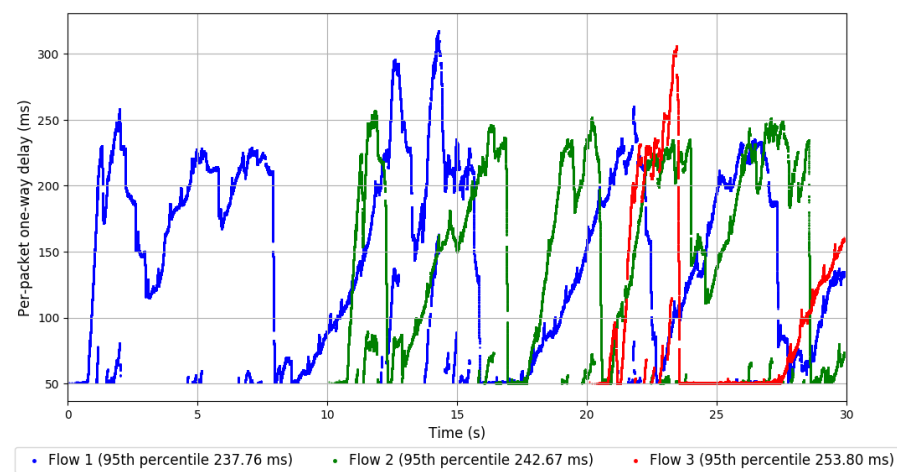
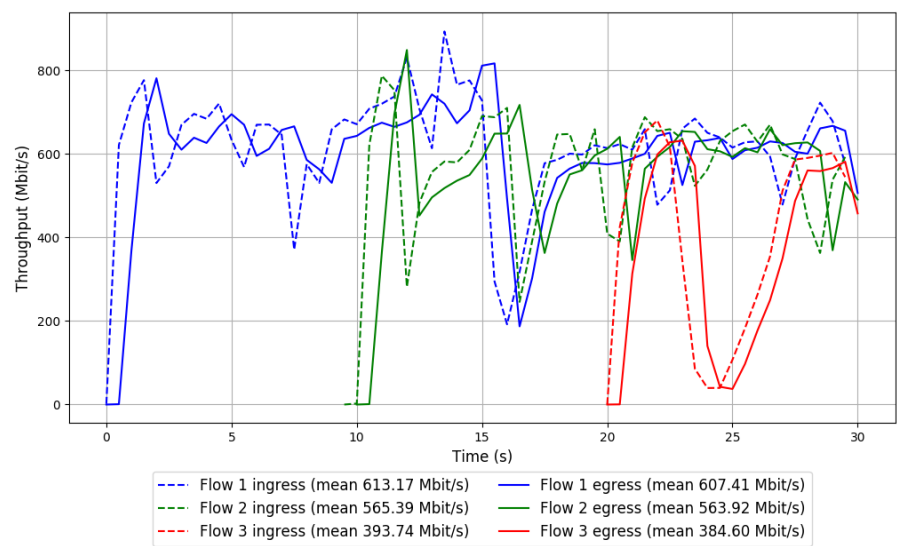


Run 1: Statistics of FillP

Start at: 2018-07-02 04:24:08
End at: 2018-07-02 04:24:38
Local clock offset: 0.09 ms
Remote clock offset: -0.203 ms

Below is generated by plot.py at 2018-07-02 08:46:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1108.78 Mbit/s
95th percentile per-packet one-way delay: 242.739 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 607.41 Mbit/s
95th percentile per-packet one-way delay: 237.761 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 563.92 Mbit/s
95th percentile per-packet one-way delay: 242.673 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 384.60 Mbit/s
95th percentile per-packet one-way delay: 253.800 ms
Loss rate: 3.32%

Run 1: Report of FillP — Data Link

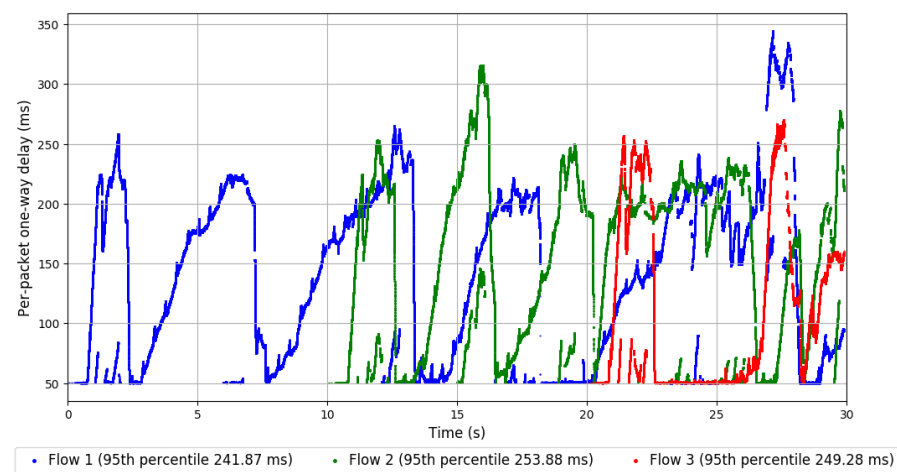
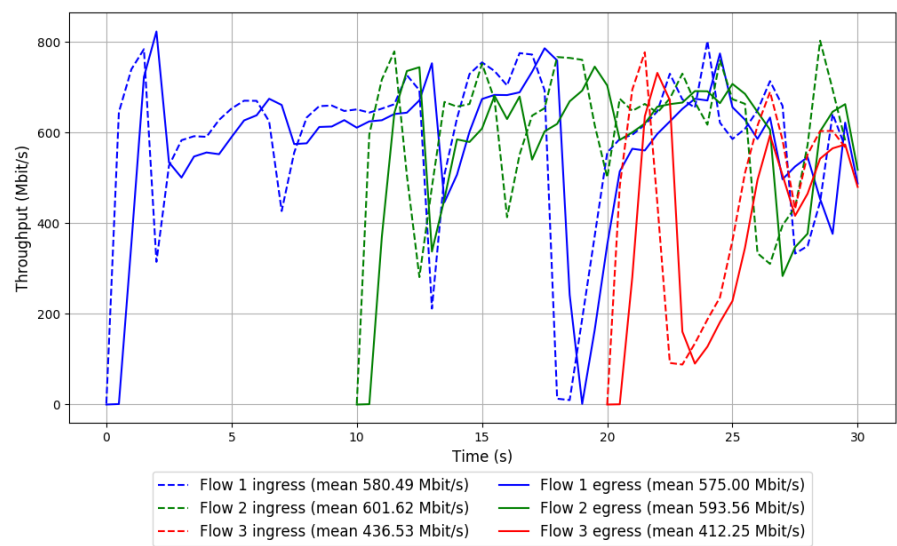


Run 2: Statistics of FillP

Start at: 2018-07-02 04:47:09
End at: 2018-07-02 04:47:39
Local clock offset: 0.062 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-07-02 08:46:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 1104.86 Mbit/s
95th percentile per-packet one-way delay: 249.379 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 575.00 Mbit/s
95th percentile per-packet one-way delay: 241.869 ms
Loss rate: 1.28%
-- Flow 2:
Average throughput: 593.56 Mbit/s
95th percentile per-packet one-way delay: 253.884 ms
Loss rate: 1.84%
-- Flow 3:
Average throughput: 412.25 Mbit/s
95th percentile per-packet one-way delay: 249.279 ms
Loss rate: 6.52%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-02 05:10:10

End at: 2018-07-02 05:10:40

Local clock offset: 0.468 ms

Remote clock offset: 0.068 ms

Below is generated by plot.py at 2018-07-02 08:50:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 1167.69 Mbit/s

95th percentile per-packet one-way delay: 262.029 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 575.19 Mbit/s

95th percentile per-packet one-way delay: 238.630 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 596.97 Mbit/s

95th percentile per-packet one-way delay: 295.352 ms

Loss rate: 2.36%

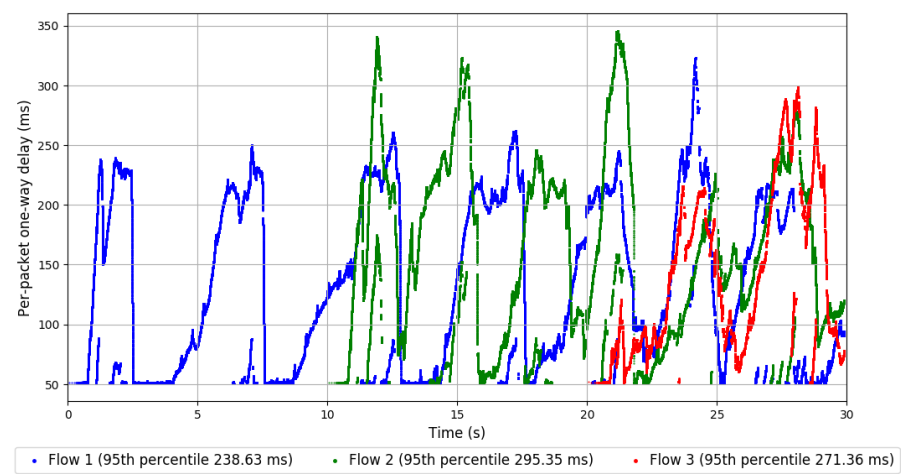
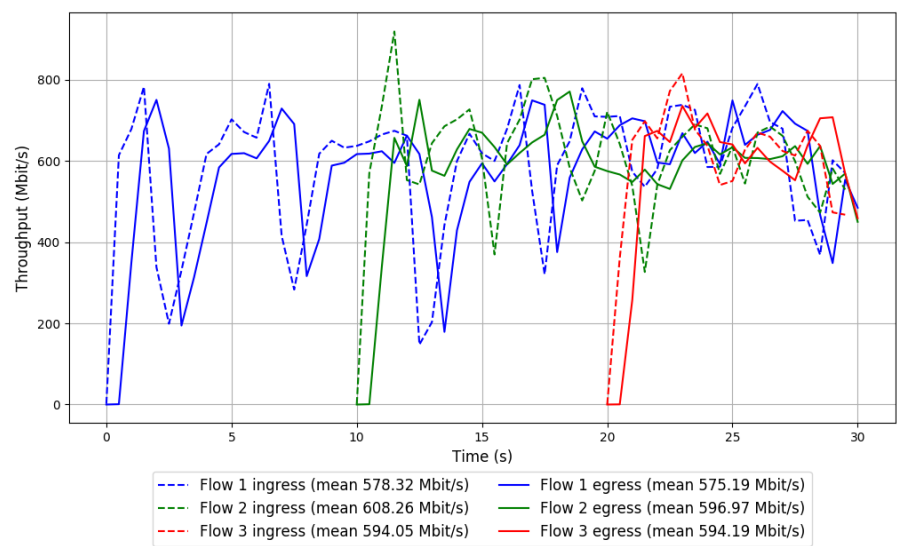
-- Flow 3:

Average throughput: 594.19 Mbit/s

95th percentile per-packet one-way delay: 271.361 ms

Loss rate: 0.98%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-02 05:33:16

End at: 2018-07-02 05:33:46

Local clock offset: -0.344 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-02 08:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1189.91 Mbit/s

95th percentile per-packet one-way delay: 275.595 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 601.66 Mbit/s

95th percentile per-packet one-way delay: 259.565 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 604.76 Mbit/s

95th percentile per-packet one-way delay: 296.947 ms

Loss rate: 1.34%

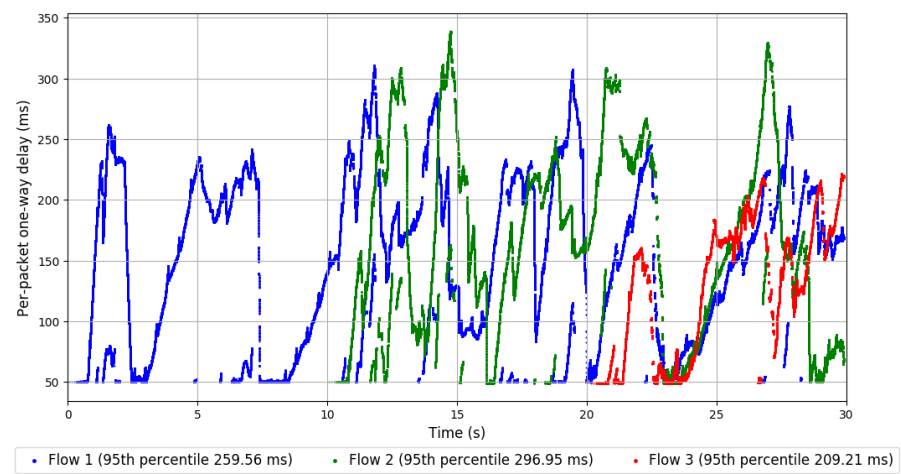
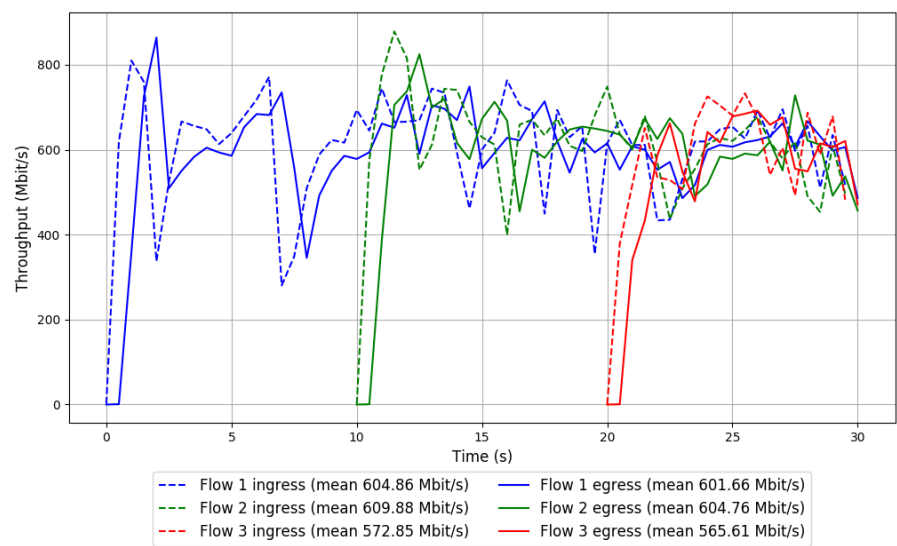
-- Flow 3:

Average throughput: 565.61 Mbit/s

95th percentile per-packet one-way delay: 209.212 ms

Loss rate: 2.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-02 05:56:13

End at: 2018-07-02 05:56:43

Local clock offset: 0.051 ms

Remote clock offset: 0.122 ms

Below is generated by plot.py at 2018-07-02 08:51:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 1157.03 Mbit/s

95th percentile per-packet one-way delay: 237.259 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 633.48 Mbit/s

95th percentile per-packet one-way delay: 234.109 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 567.33 Mbit/s

95th percentile per-packet one-way delay: 237.099 ms

Loss rate: 0.01%

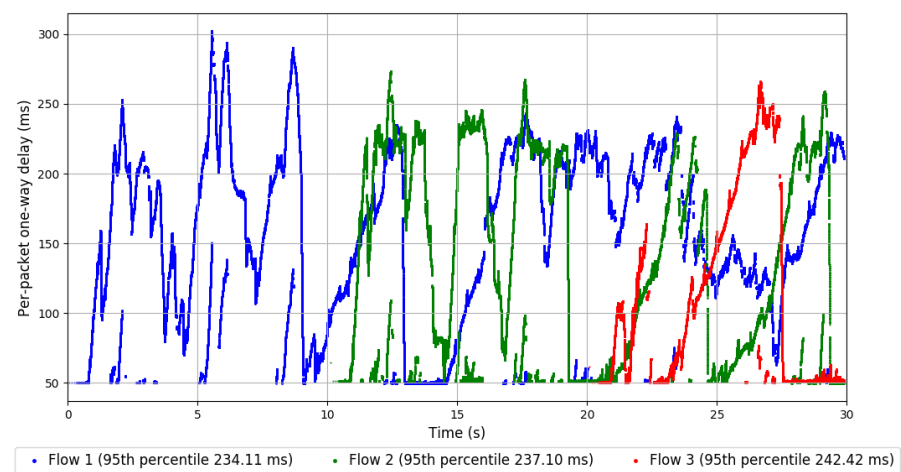
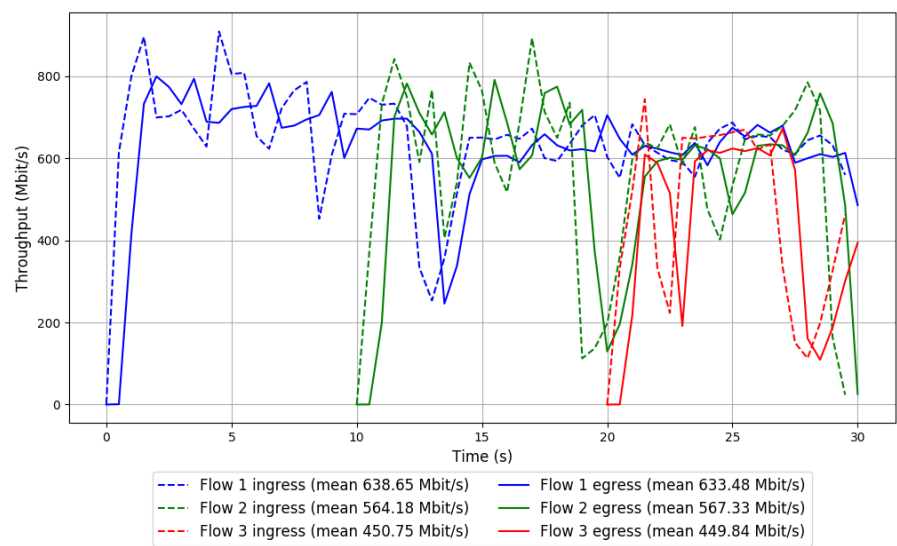
-- Flow 3:

Average throughput: 449.84 Mbit/s

95th percentile per-packet one-way delay: 242.422 ms

Loss rate: 1.34%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-02 06:19:26

End at: 2018-07-02 06:19:56

Local clock offset: -0.015 ms

Remote clock offset: 0.241 ms

Below is generated by plot.py at 2018-07-02 08:52:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1197.92 Mbit/s

95th percentile per-packet one-way delay: 241.164 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 623.46 Mbit/s

95th percentile per-packet one-way delay: 251.291 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 590.17 Mbit/s

95th percentile per-packet one-way delay: 243.292 ms

Loss rate: 1.16%

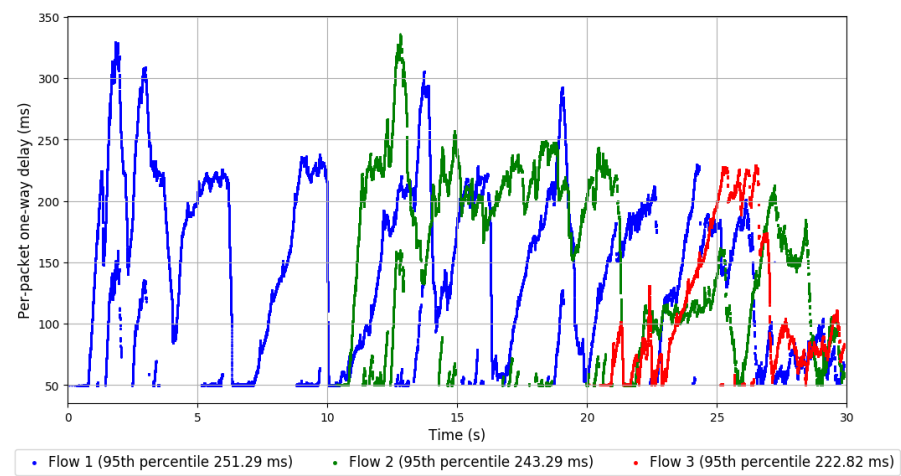
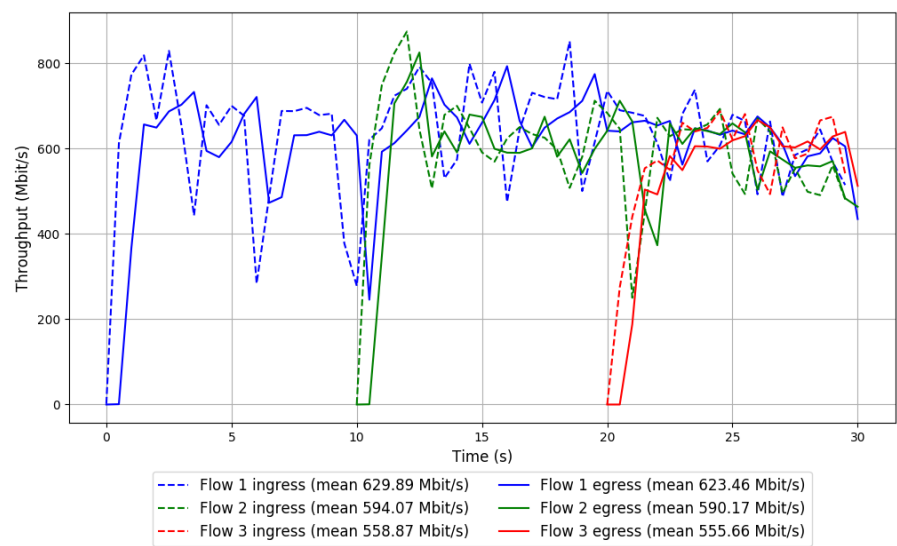
-- Flow 3:

Average throughput: 555.66 Mbit/s

95th percentile per-packet one-way delay: 222.816 ms

Loss rate: 1.59%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-07-02 06:42:43

End at: 2018-07-02 06:43:13

Local clock offset: -0.03 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-02 08:52:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 1177.78 Mbit/s

95th percentile per-packet one-way delay: 245.336 ms

Loss rate: 2.15%

-- Flow 1:

Average throughput: 607.66 Mbit/s

95th percentile per-packet one-way delay: 252.585 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 559.53 Mbit/s

95th percentile per-packet one-way delay: 246.259 ms

Loss rate: 3.27%

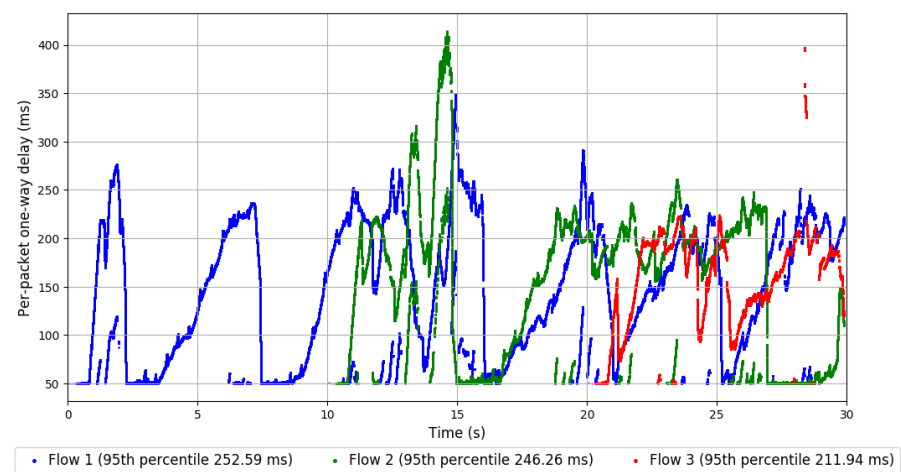
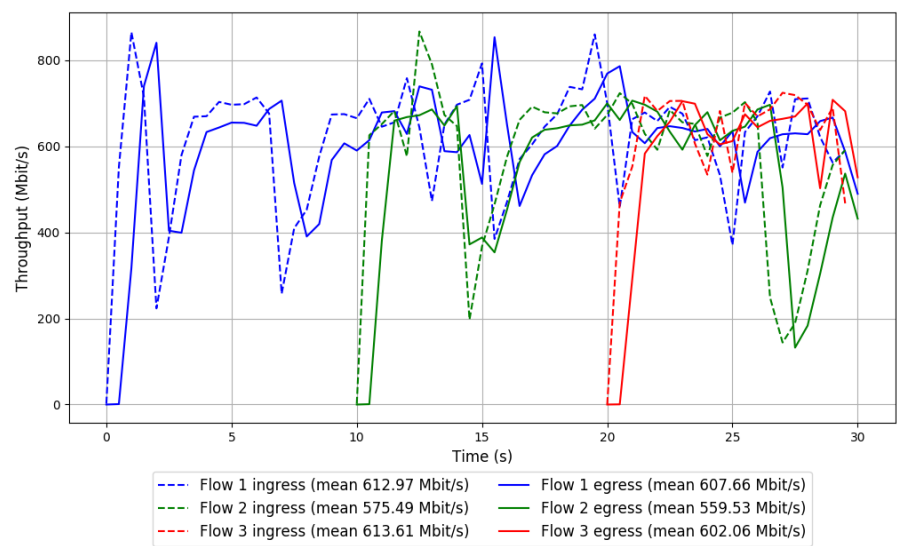
-- Flow 3:

Average throughput: 602.06 Mbit/s

95th percentile per-packet one-way delay: 211.935 ms

Loss rate: 2.87%

Run 7: Report of FillP — Data Link

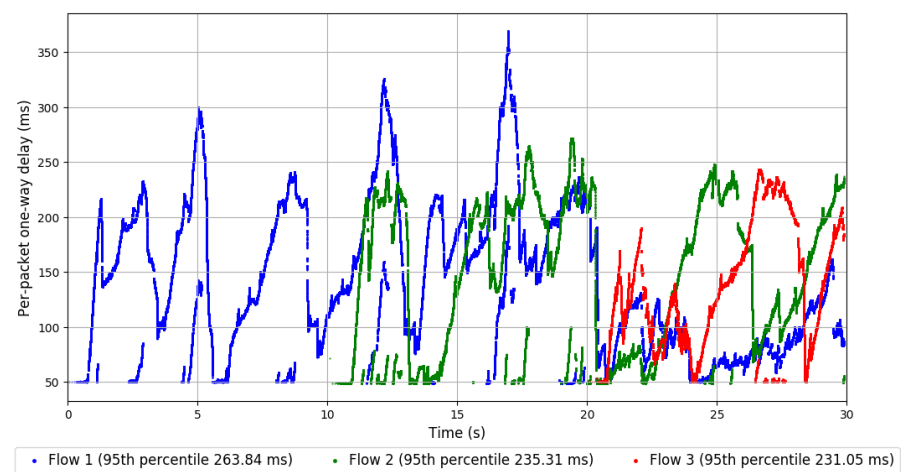
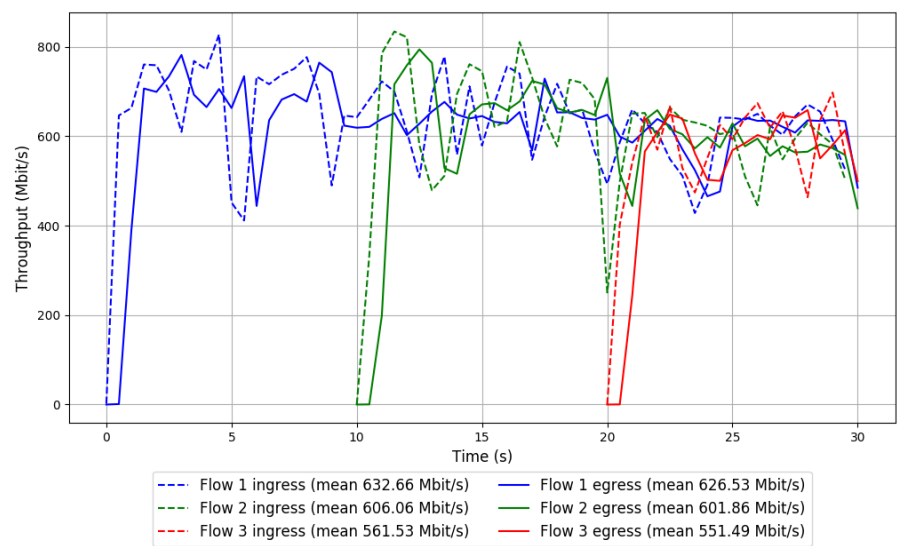


Run 8: Statistics of FillP

Start at: 2018-07-02 07:05:41
End at: 2018-07-02 07:06:11
Local clock offset: -0.001 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-02 08:54:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1206.99 Mbit/s
95th percentile per-packet one-way delay: 239.642 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 626.53 Mbit/s
95th percentile per-packet one-way delay: 263.836 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 601.86 Mbit/s
95th percentile per-packet one-way delay: 235.313 ms
Loss rate: 1.30%
-- Flow 3:
Average throughput: 551.49 Mbit/s
95th percentile per-packet one-way delay: 231.054 ms
Loss rate: 2.79%

Run 8: Report of FillP — Data Link

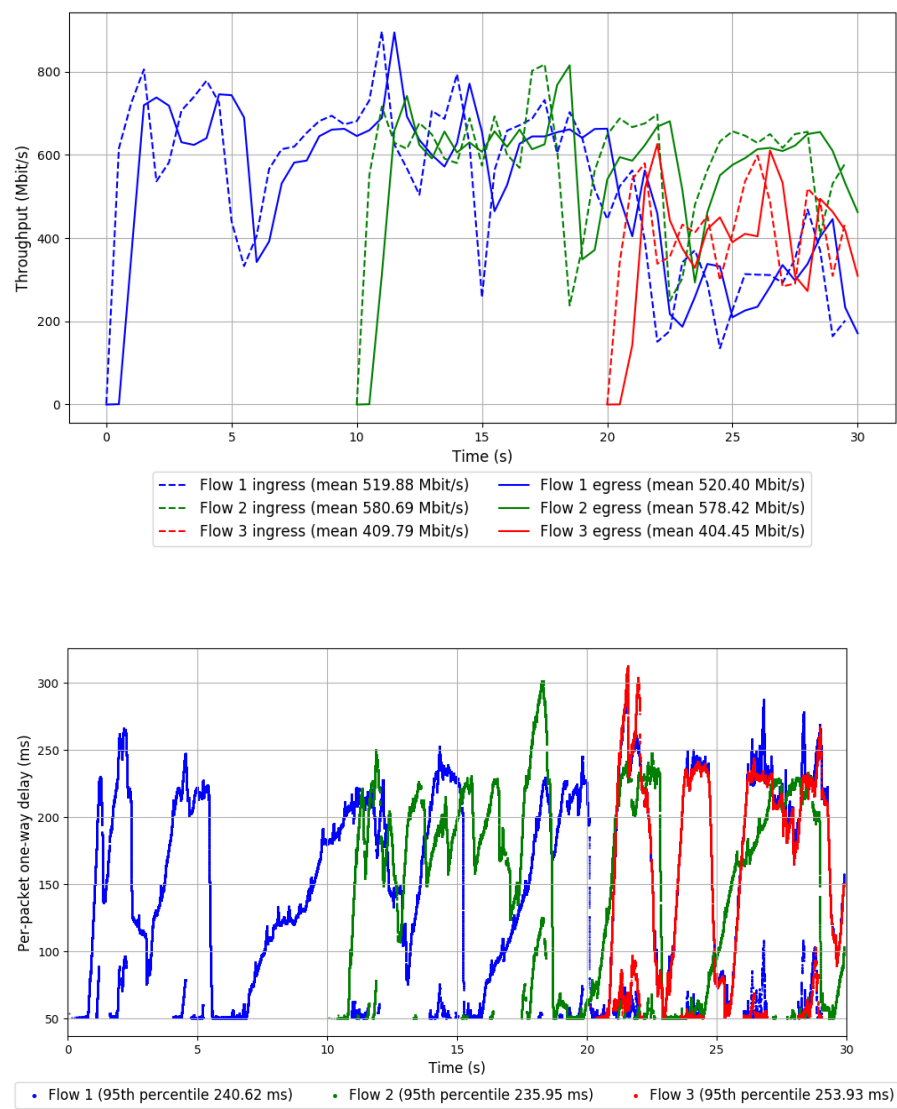


Run 9: Statistics of FillP

Start at: 2018-07-02 07:28:46
End at: 2018-07-02 07:29:16
Local clock offset: -0.087 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-02 09:10:35
Datalink statistics
-- Total of 3 flows:
Average throughput: 1037.52 Mbit/s
95th percentile per-packet one-way delay: 240.640 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 520.40 Mbit/s
95th percentile per-packet one-way delay: 240.619 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 578.42 Mbit/s
95th percentile per-packet one-way delay: 235.951 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 404.45 Mbit/s
95th percentile per-packet one-way delay: 253.928 ms
Loss rate: 2.40%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-07-02 07:51:52

End at: 2018-07-02 07:52:22

Local clock offset: -0.134 ms

Remote clock offset: -0.25 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 1124.47 Mbit/s

95th percentile per-packet one-way delay: 252.122 ms

Loss rate: 1.70%

-- Flow 1:

Average throughput: 569.29 Mbit/s

95th percentile per-packet one-way delay: 258.096 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 571.99 Mbit/s

95th percentile per-packet one-way delay: 248.810 ms

Loss rate: 1.97%

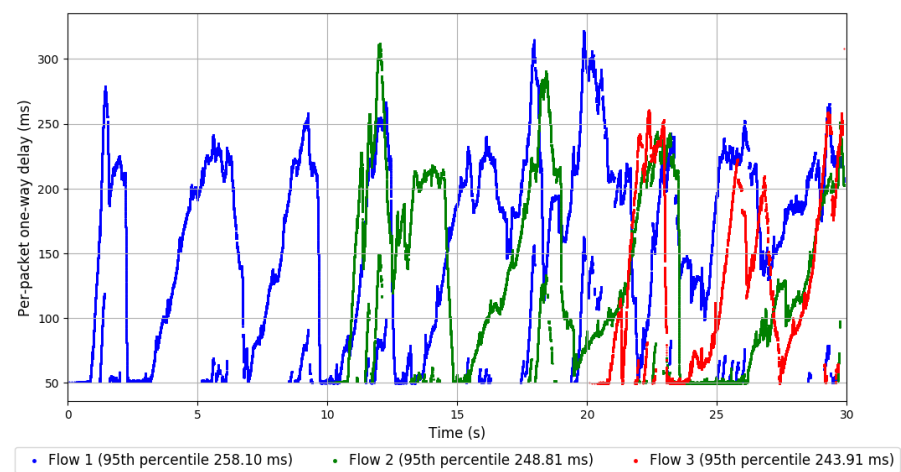
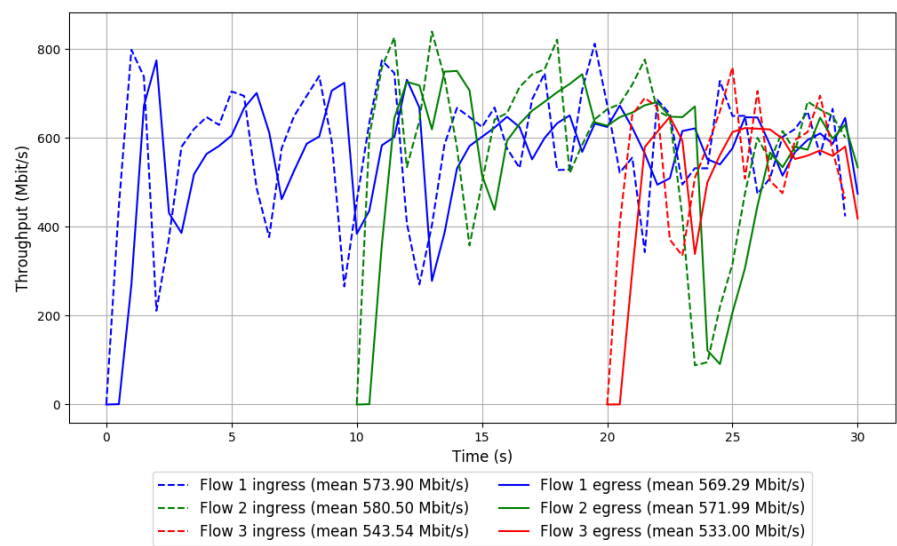
-- Flow 3:

Average throughput: 533.00 Mbit/s

95th percentile per-packet one-way delay: 243.909 ms

Loss rate: 2.91%

Run 10: Report of FillP — Data Link

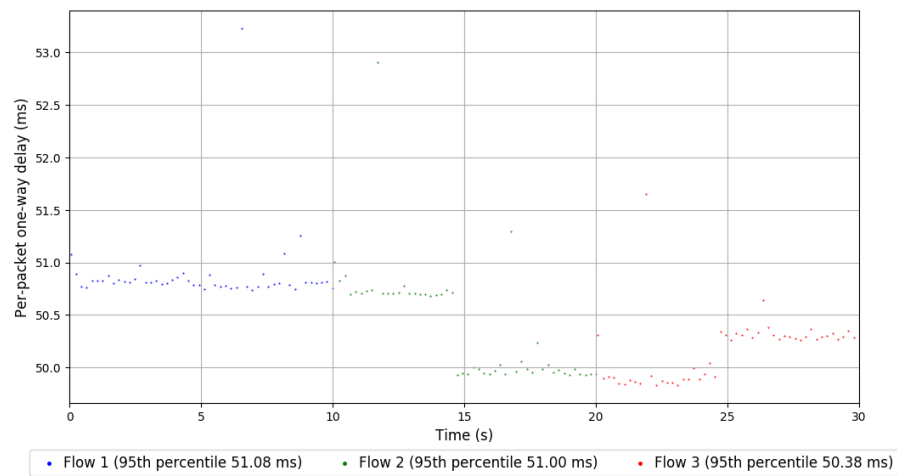
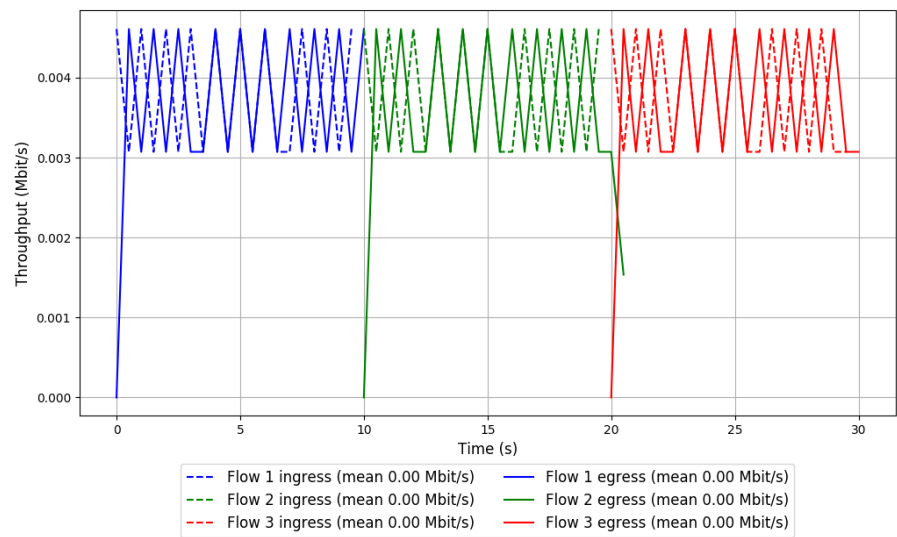


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-02 04:11:16
End at: 2018-07-02 04:11:46
Local clock offset: 0.031 ms
Remote clock offset: -0.114 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.082 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.001 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.384 ms
Loss rate: 0.00%

Run 1: Report of FillP-Sheep — Data Link

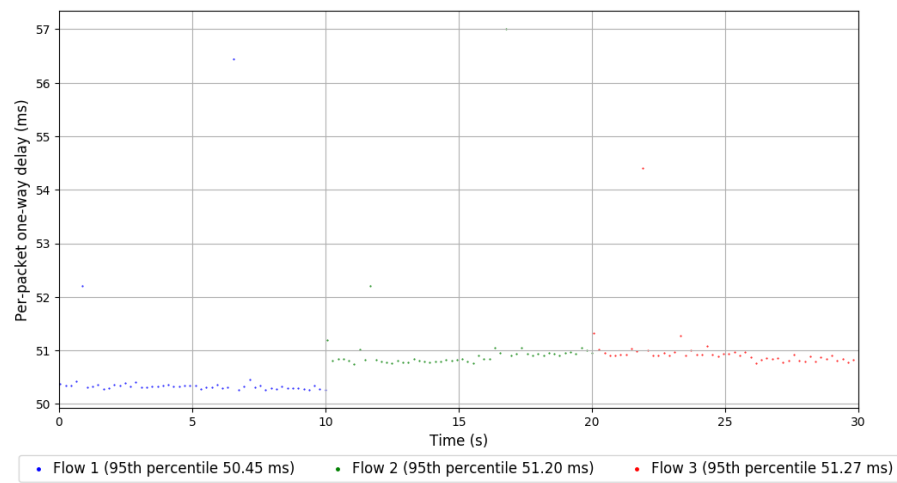
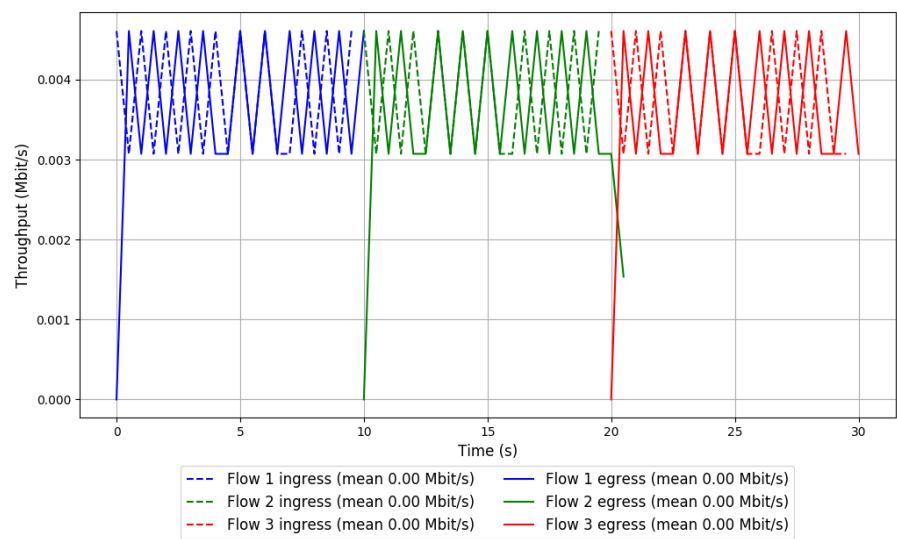


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-02 04:34:15
End at: 2018-07-02 04:34:45
Local clock offset: 0.062 ms
Remote clock offset: -0.217 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.203 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.272 ms
Loss rate: 0.00%

Run 2: Report of FillP-Sheep — Data Link

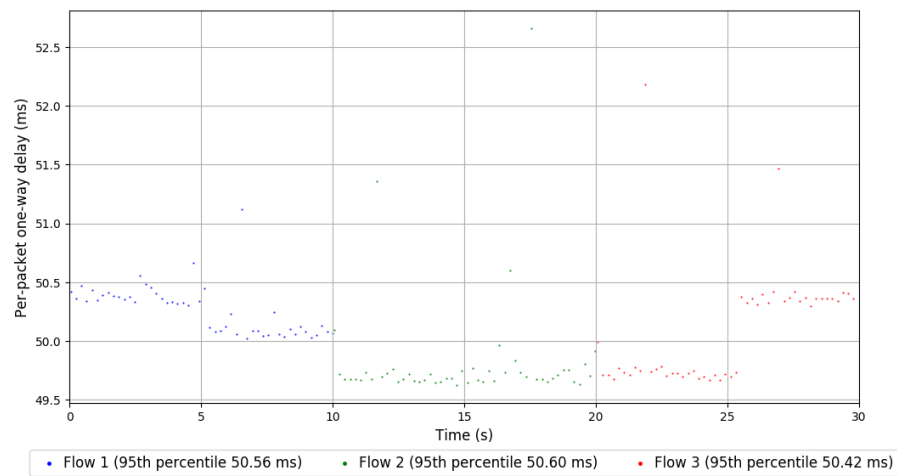
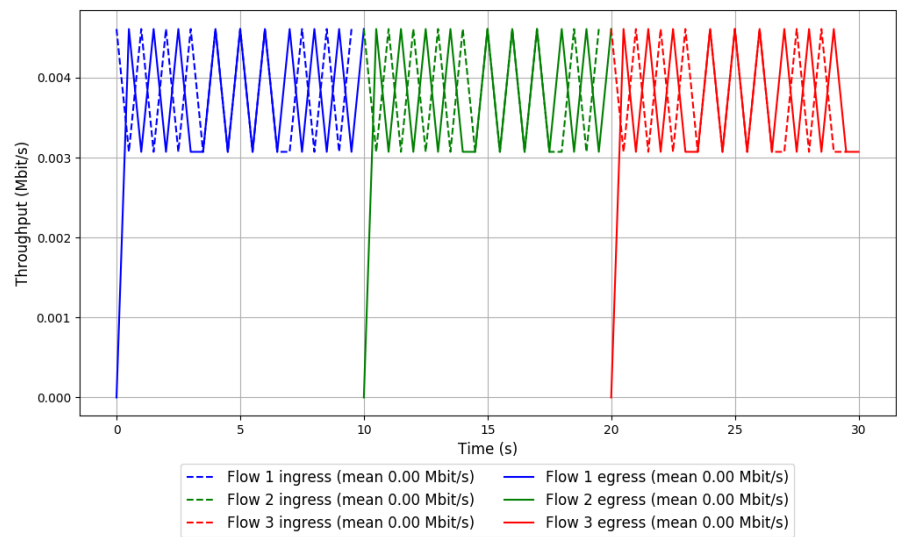


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-02 04:57:15
End at: 2018-07-02 04:57:45
Local clock offset: 0.111 ms
Remote clock offset: -0.017 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.557 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.420 ms
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-02 05:20:29

End at: 2018-07-02 05:20:59

Local clock offset: 0.457 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.388 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.472 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.451 ms

Loss rate: 0.00%

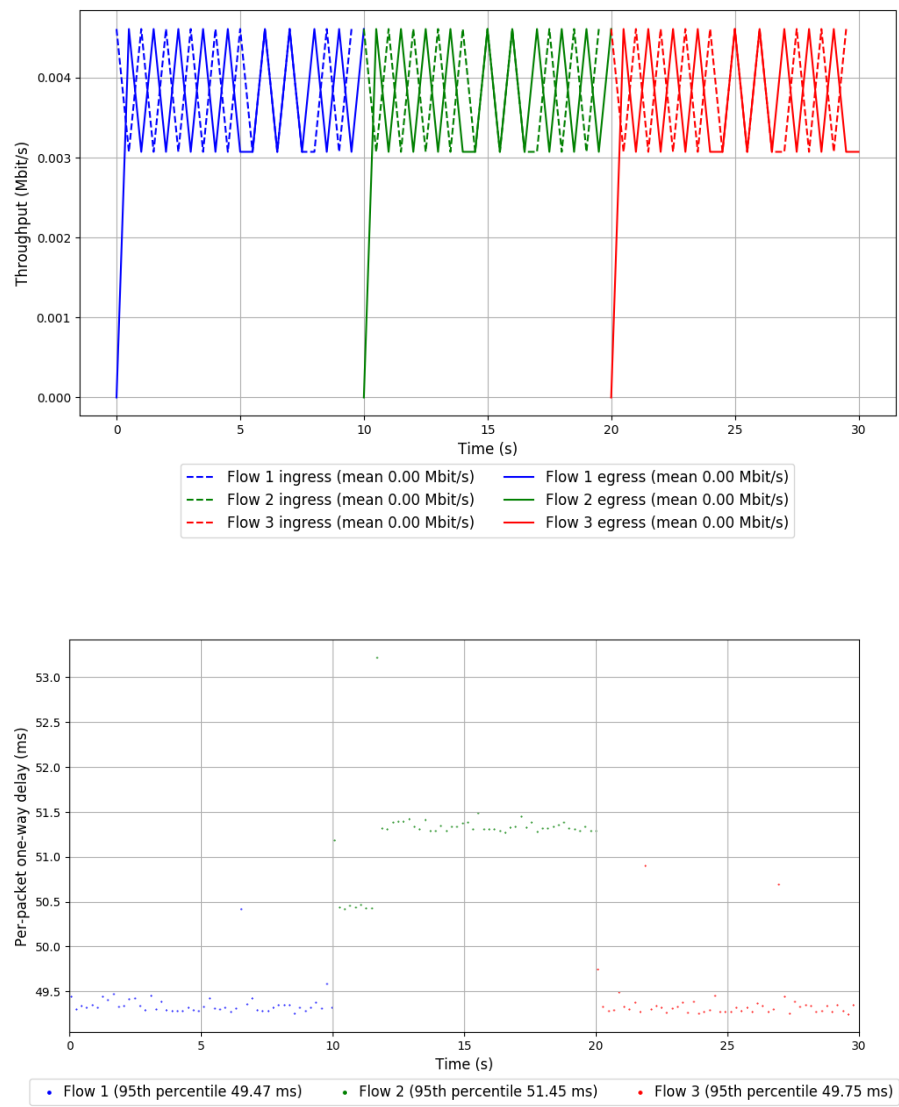
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 49.751 ms

Loss rate: 2.00%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-02 05:43:20

End at: 2018-07-02 05:43:50

Local clock offset: 0.113 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.961 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.415 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.212 ms

Loss rate: 0.00%

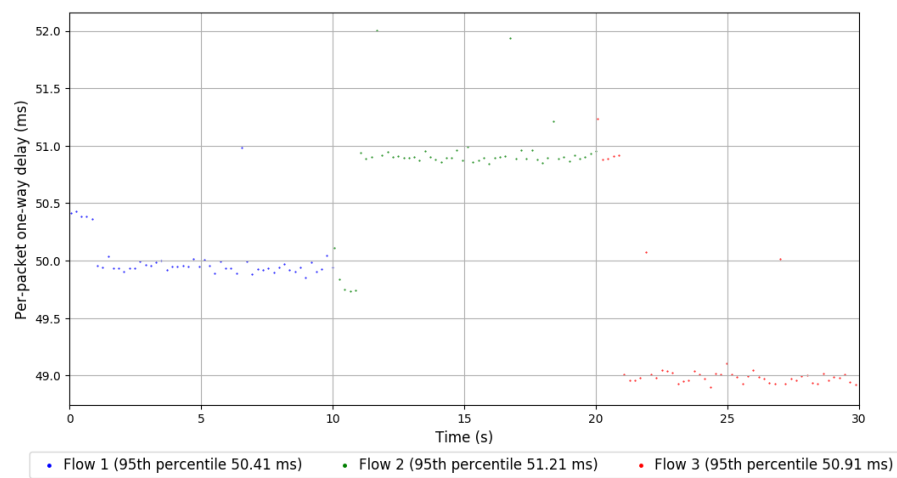
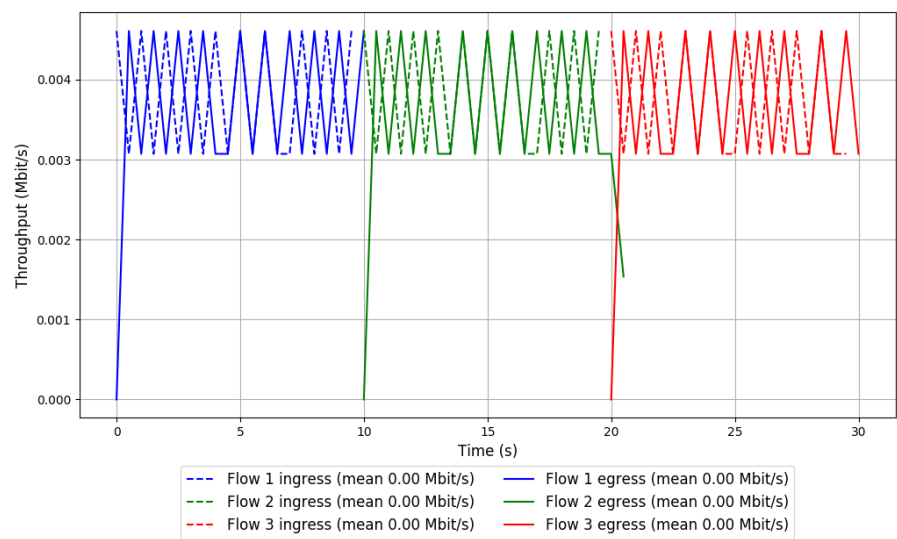
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.907 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-02 06:06:26

End at: 2018-07-02 06:06:56

Local clock offset: 0.029 ms

Remote clock offset: 0.204 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.028 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.038 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.144 ms

Loss rate: 0.00%

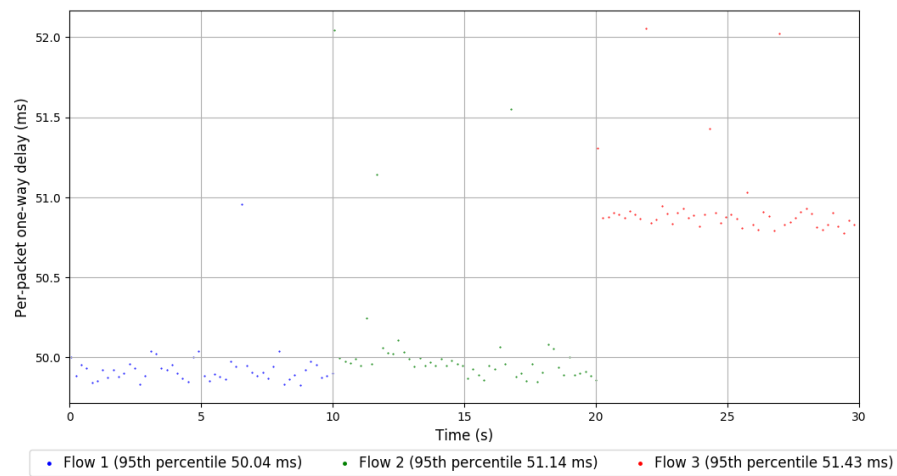
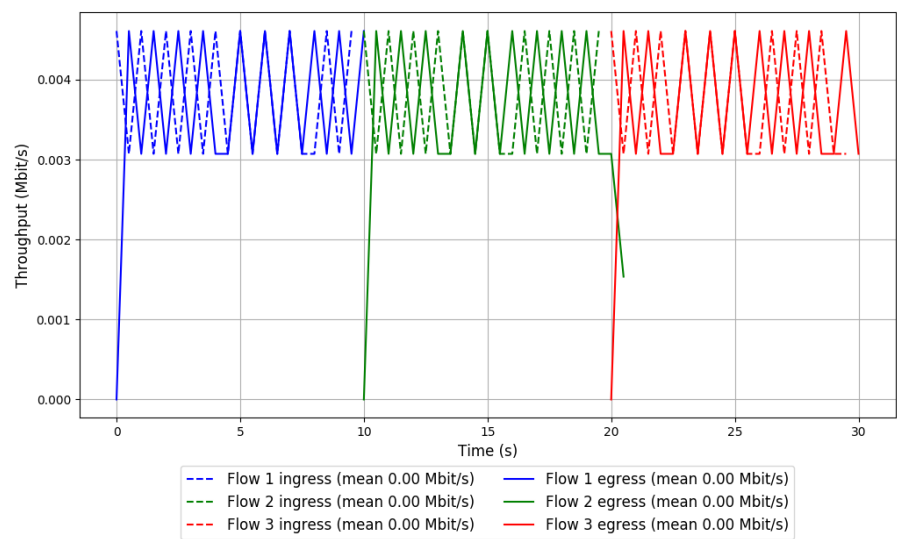
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.429 ms

Loss rate: 0.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-02 06:29:48

End at: 2018-07-02 06:30:18

Local clock offset: 0.006 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.500 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.500 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.444 ms

Loss rate: 0.00%

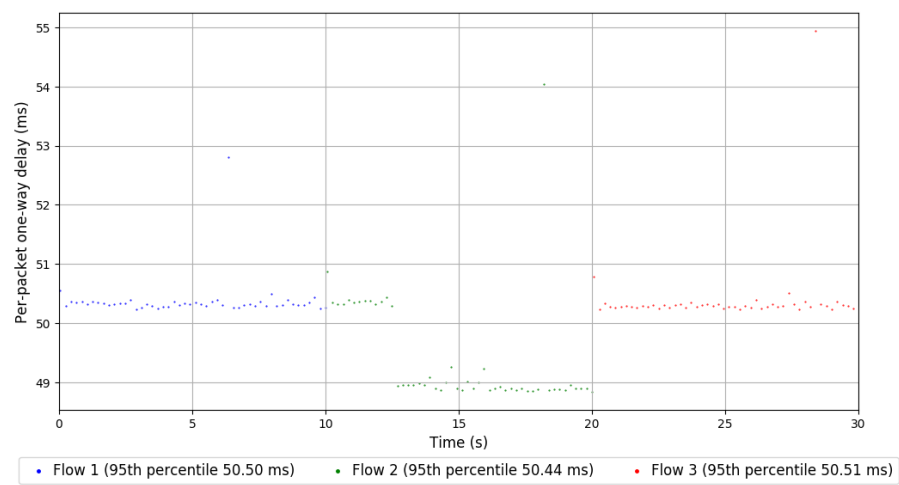
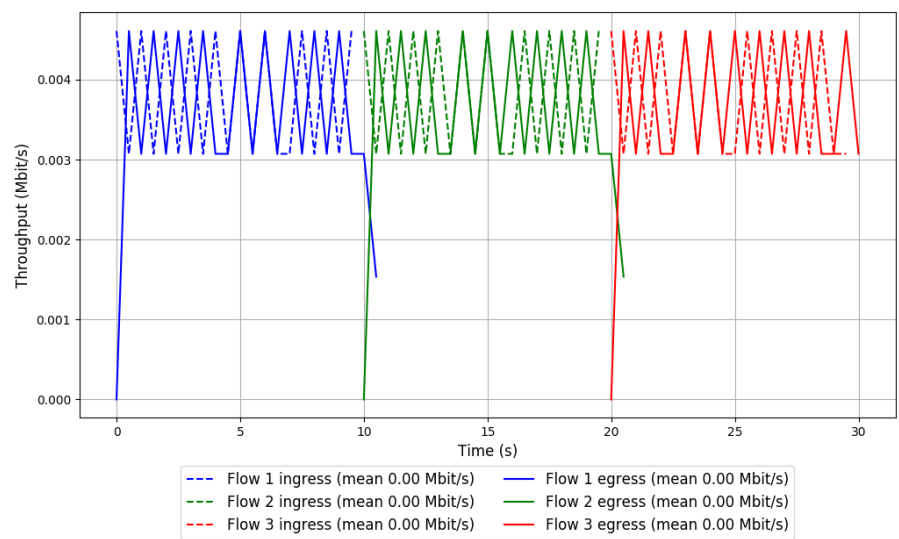
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.505 ms

Loss rate: 0.00%

Run 7: Report of FillP-Sheep — Data Link

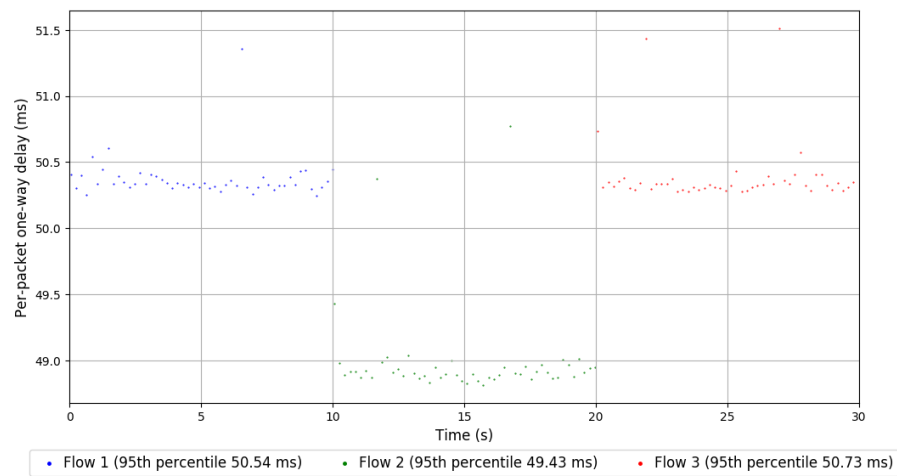
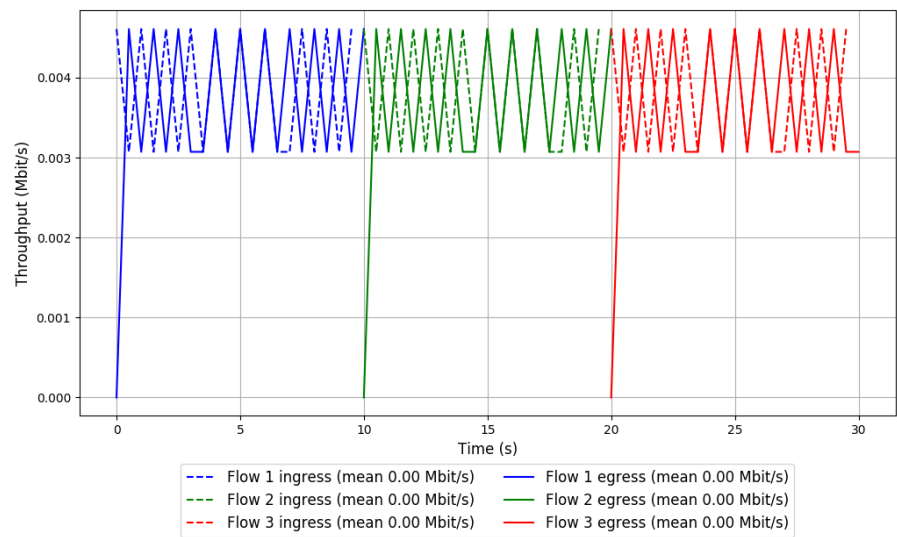


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-02 06:52:51
End at: 2018-07-02 06:53:21
Local clock offset: -0.039 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.542 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 49.429 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 50.735 ms
Loss rate: 2.00%

Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

Start at: 2018-07-02 07:15:52

End at: 2018-07-02 07:16:22

Local clock offset: -0.093 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.359 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.088 ms

Loss rate: 2.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.007 ms

Loss rate: 0.00%

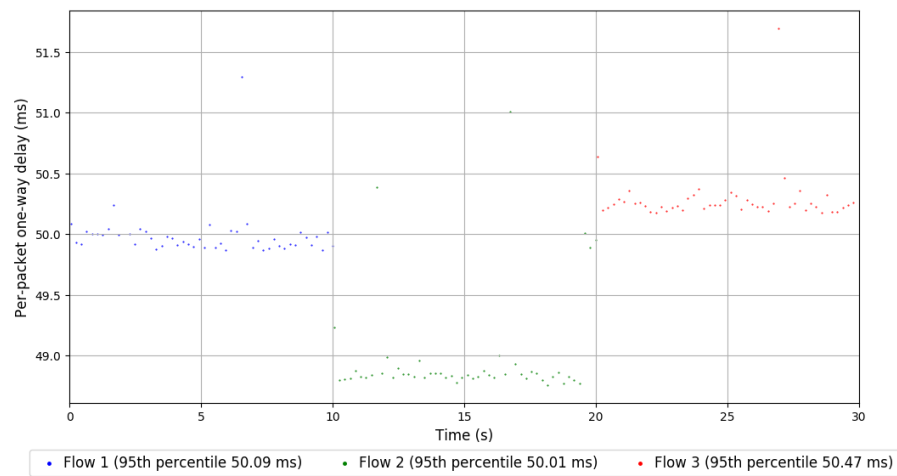
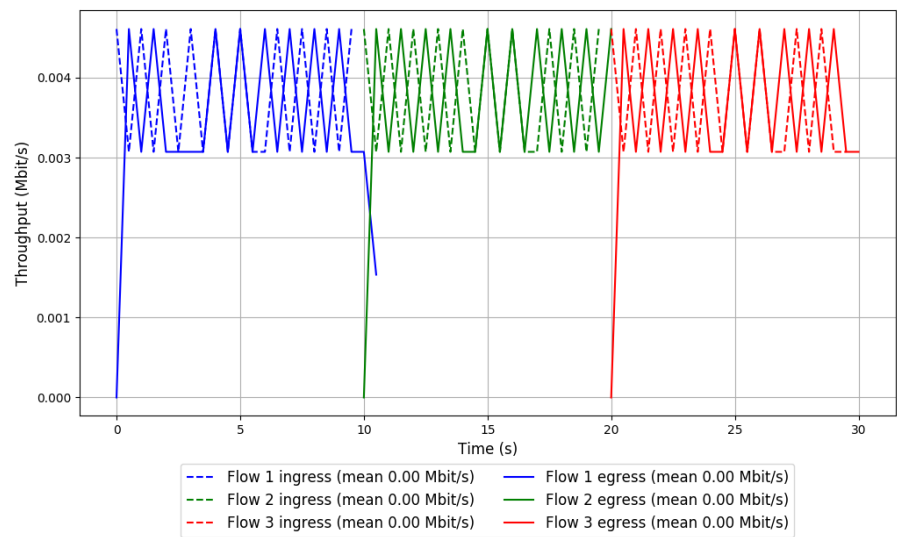
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.465 ms

Loss rate: 0.00%

Run 9: Report of FillP-Sheep — Data Link

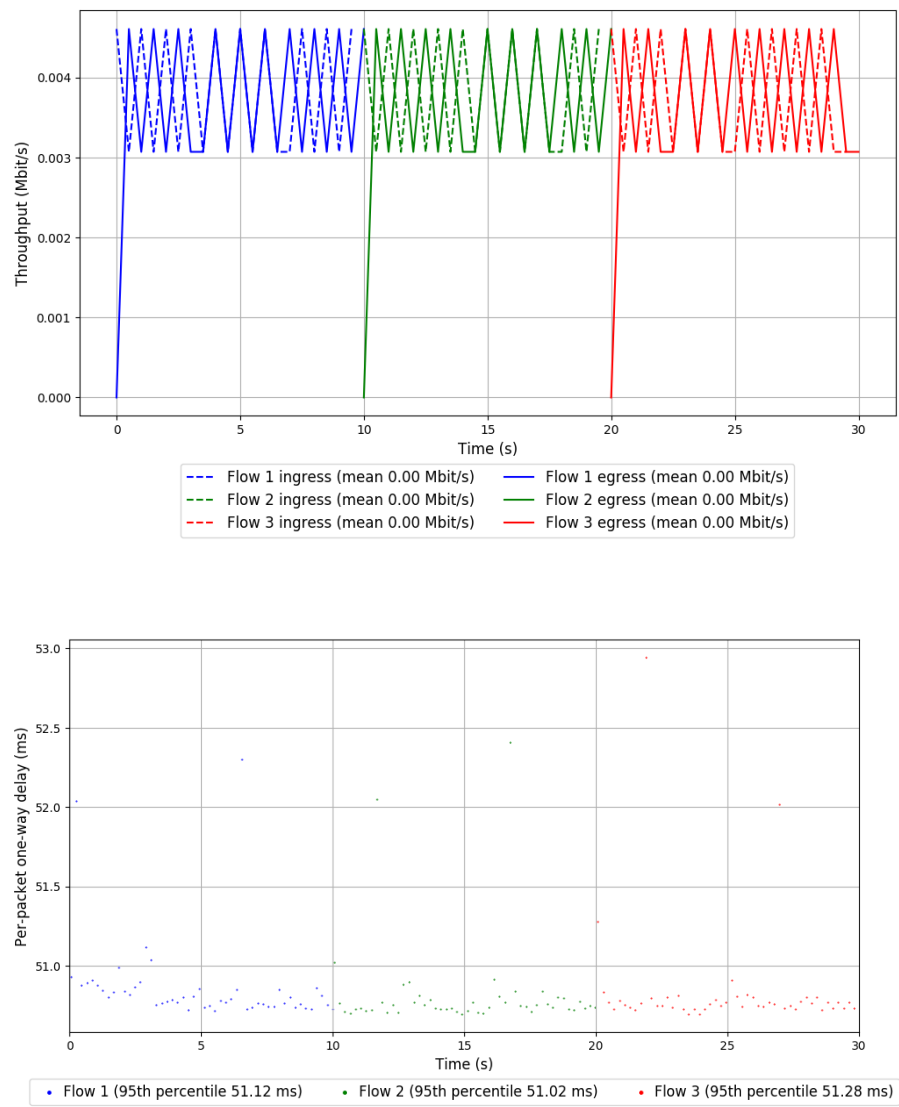


Run 10: Statistics of FillP-Sheep

Start at: 2018-07-02 07:38:58
End at: 2018-07-02 07:39:28
Local clock offset: -0.083 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.116 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.021 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 51.280 ms
Loss rate: 0.00%

Run 10: Report of FillP-Sheep — Data Link

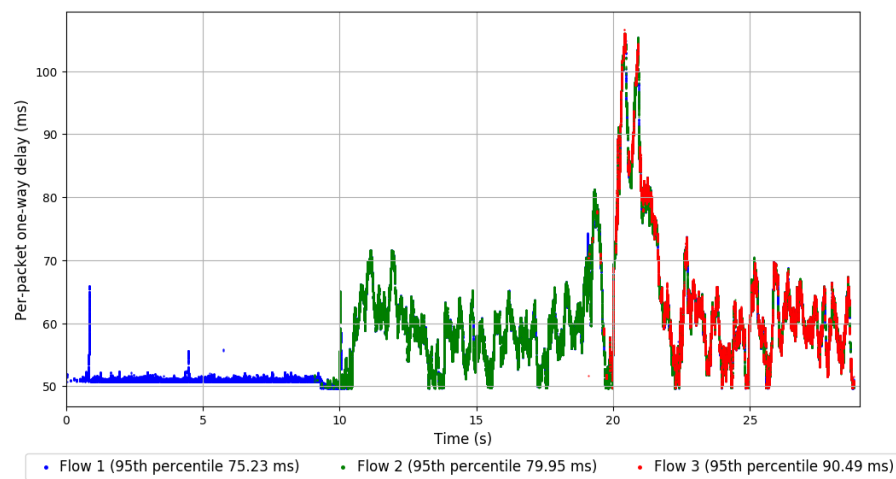
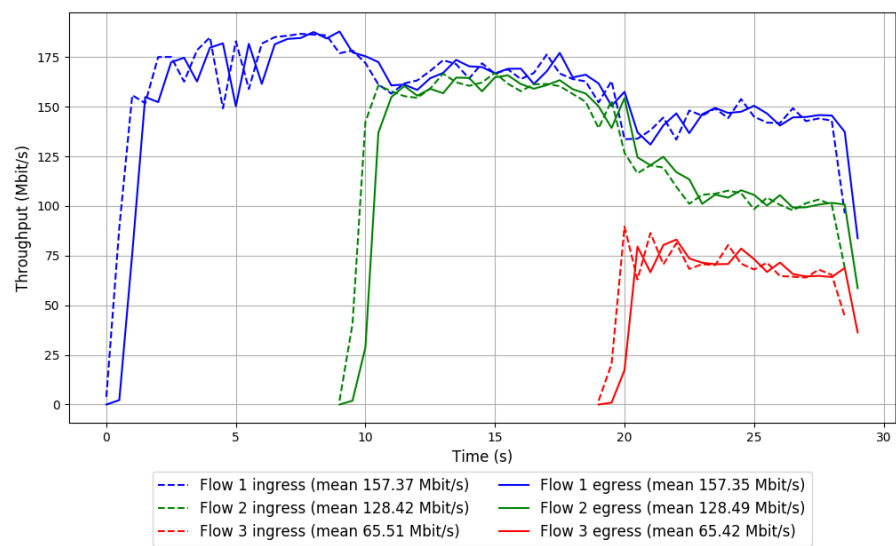


Run 1: Statistics of Indigo

Start at: 2018-07-02 04:14:50
End at: 2018-07-02 04:15:20
Local clock offset: 0.071 ms
Remote clock offset: -0.111 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 267.56 Mbit/s
95th percentile per-packet one-way delay: 79.043 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 157.35 Mbit/s
95th percentile per-packet one-way delay: 75.234 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 128.49 Mbit/s
95th percentile per-packet one-way delay: 79.948 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 90.494 ms
Loss rate: 1.17%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-02 04:37:52

End at: 2018-07-02 04:38:22

Local clock offset: -0.284 ms

Remote clock offset: -0.16 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.00 Mbit/s

95th percentile per-packet one-way delay: 78.605 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 161.60 Mbit/s

95th percentile per-packet one-way delay: 75.569 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 140.48 Mbit/s

95th percentile per-packet one-way delay: 79.093 ms

Loss rate: 0.54%

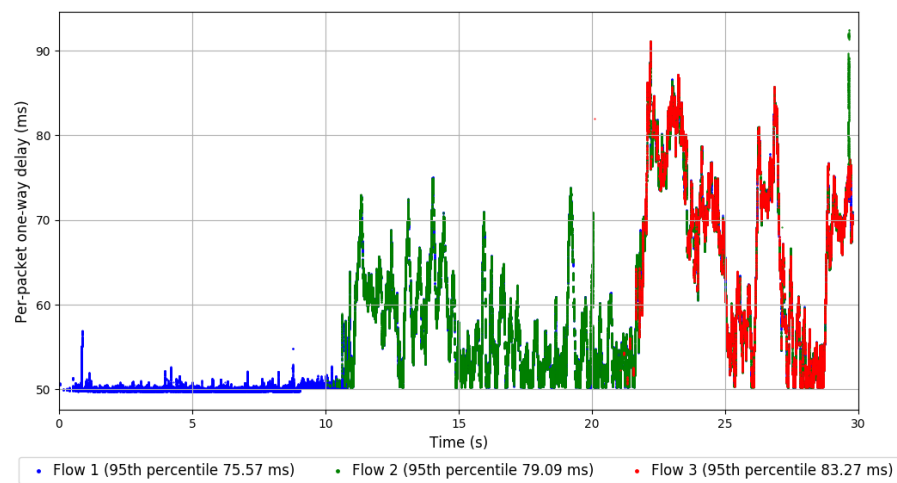
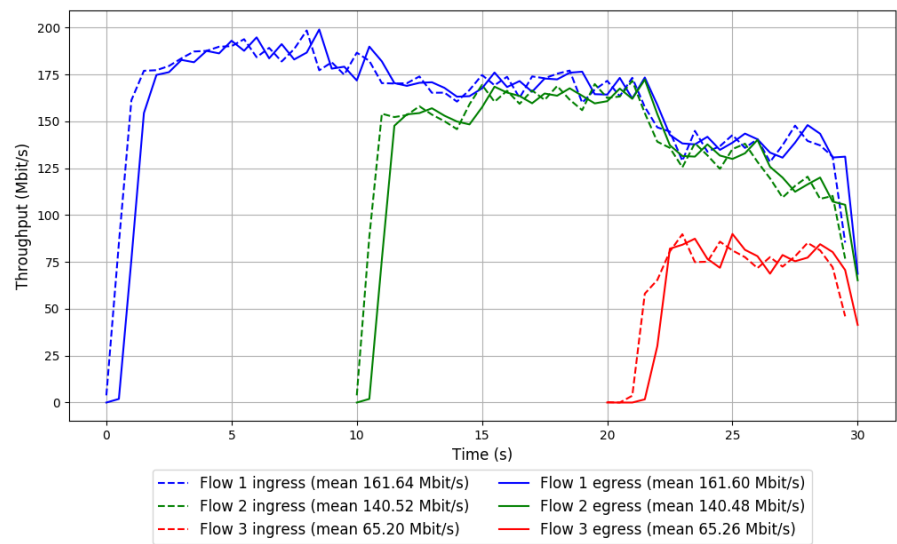
-- Flow 3:

Average throughput: 65.26 Mbit/s

95th percentile per-packet one-way delay: 83.268 ms

Loss rate: 1.26%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-02 05:00:50

End at: 2018-07-02 05:01:20

Local clock offset: 0.48 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 288.40 Mbit/s

95th percentile per-packet one-way delay: 77.209 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 173.57 Mbit/s

95th percentile per-packet one-way delay: 75.542 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 132.69 Mbit/s

95th percentile per-packet one-way delay: 77.623 ms

Loss rate: 0.44%

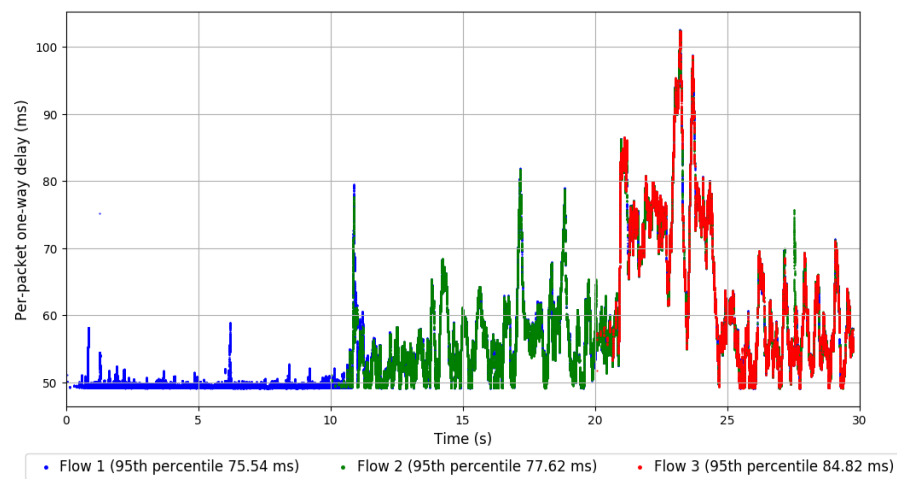
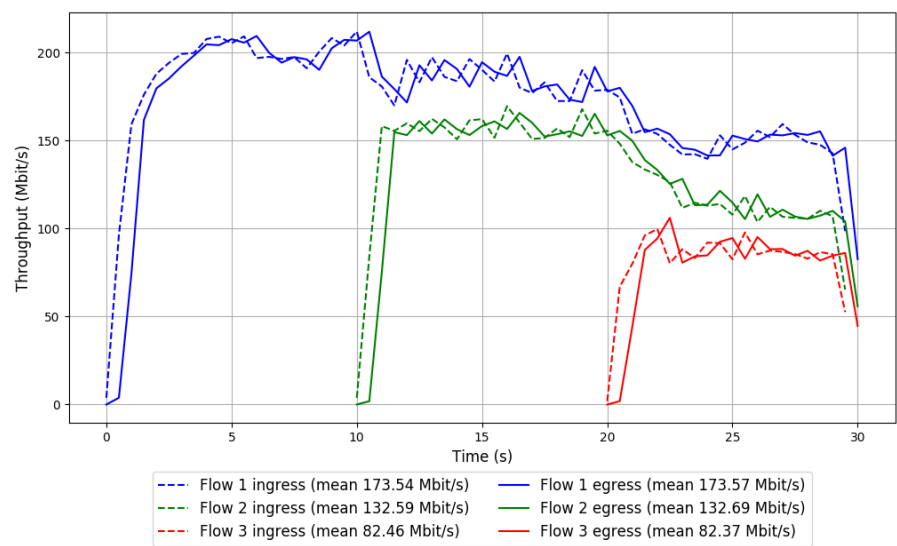
-- Flow 3:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 84.817 ms

Loss rate: 1.13%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-02 05:24:04

End at: 2018-07-02 05:24:34

Local clock offset: 0.073 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.35 Mbit/s

95th percentile per-packet one-way delay: 74.821 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 171.13 Mbit/s

95th percentile per-packet one-way delay: 73.245 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 134.62 Mbit/s

95th percentile per-packet one-way delay: 75.458 ms

Loss rate: 0.43%

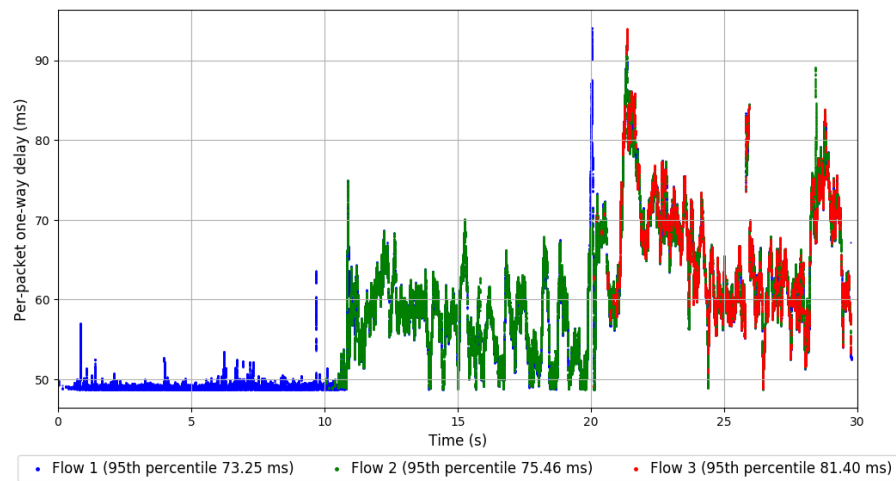
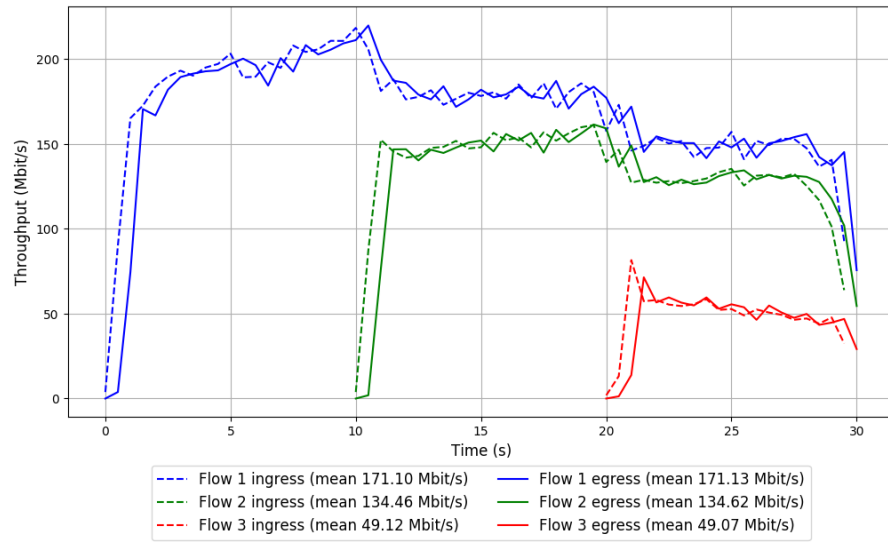
-- Flow 3:

Average throughput: 49.07 Mbit/s

95th percentile per-packet one-way delay: 81.403 ms

Loss rate: 1.14%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-07-02 05:46:55

End at: 2018-07-02 05:47:25

Local clock offset: 0.467 ms

Remote clock offset: 0.09 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.13 Mbit/s

95th percentile per-packet one-way delay: 77.785 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 164.27 Mbit/s

95th percentile per-packet one-way delay: 69.728 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 125.68 Mbit/s

95th percentile per-packet one-way delay: 82.131 ms

Loss rate: 0.46%

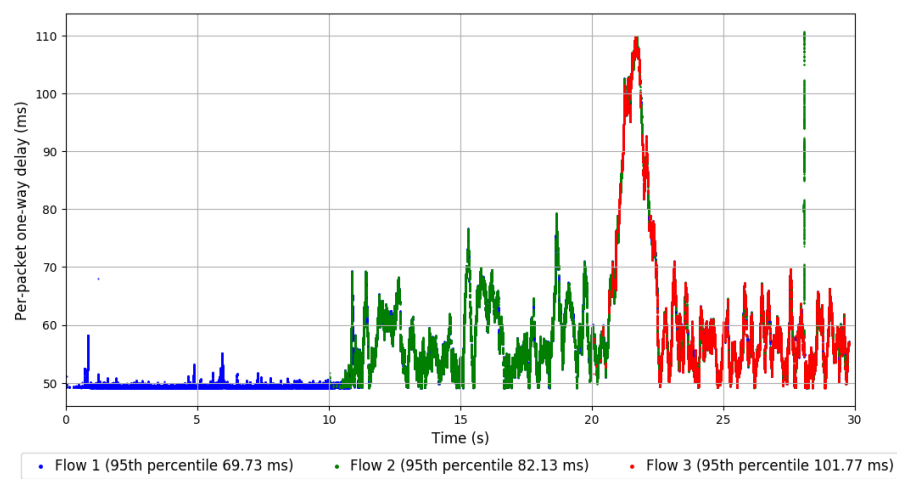
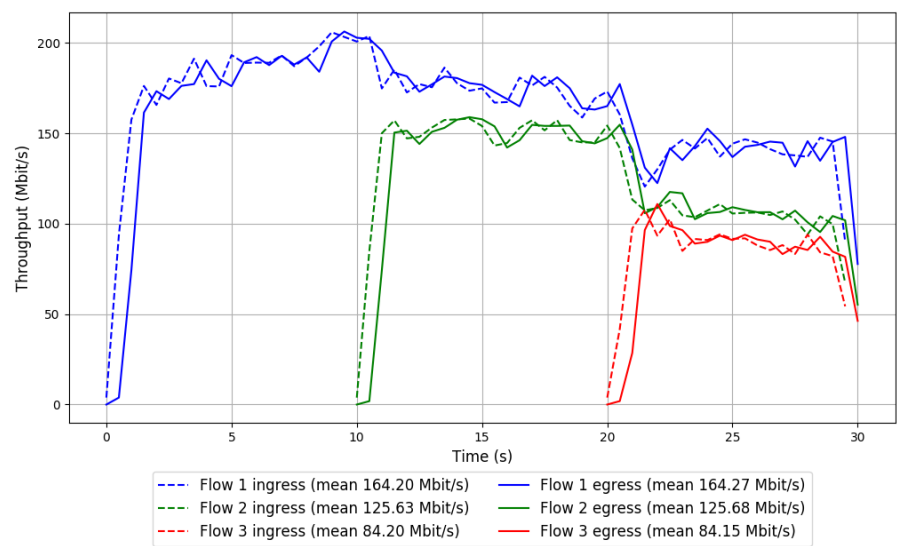
-- Flow 3:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 101.766 ms

Loss rate: 1.10%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-07-02 06:10:01

End at: 2018-07-02 06:10:31

Local clock offset: 0.054 ms

Remote clock offset: 0.193 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.06 Mbit/s

95th percentile per-packet one-way delay: 72.267 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 159.03 Mbit/s

95th percentile per-packet one-way delay: 70.176 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 149.64 Mbit/s

95th percentile per-packet one-way delay: 73.316 ms

Loss rate: 0.46%

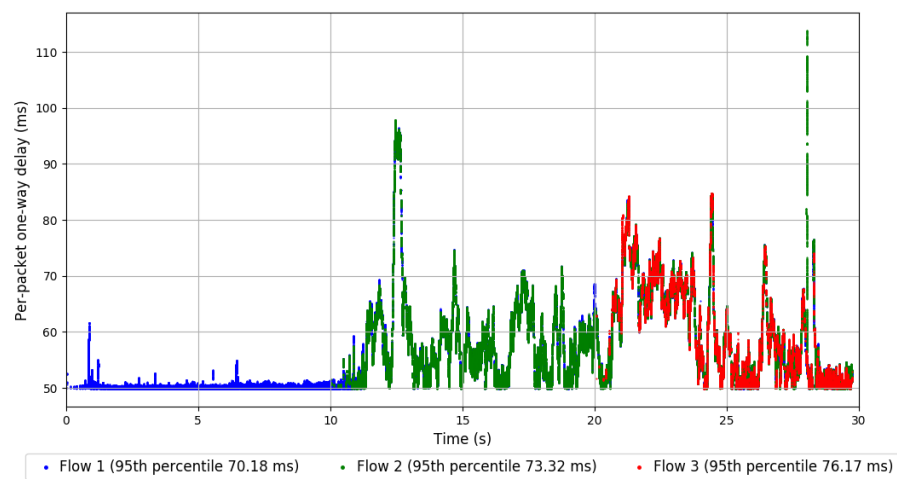
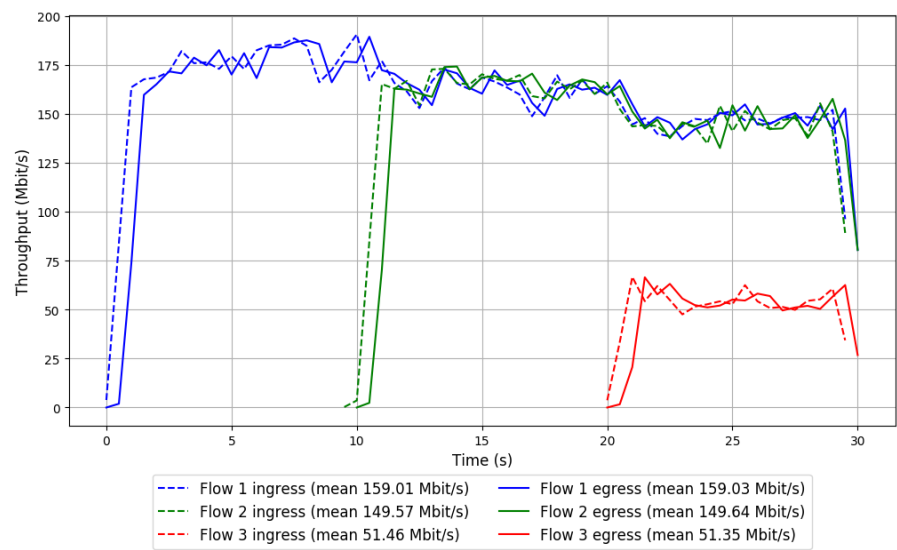
-- Flow 3:

Average throughput: 51.35 Mbit/s

95th percentile per-packet one-way delay: 76.173 ms

Loss rate: 1.27%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-07-02 06:33:23

End at: 2018-07-02 06:33:53

Local clock offset: 0.007 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.03 Mbit/s

95th percentile per-packet one-way delay: 78.659 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 165.51 Mbit/s

95th percentile per-packet one-way delay: 76.133 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 140.41 Mbit/s

95th percentile per-packet one-way delay: 79.635 ms

Loss rate: 0.54%

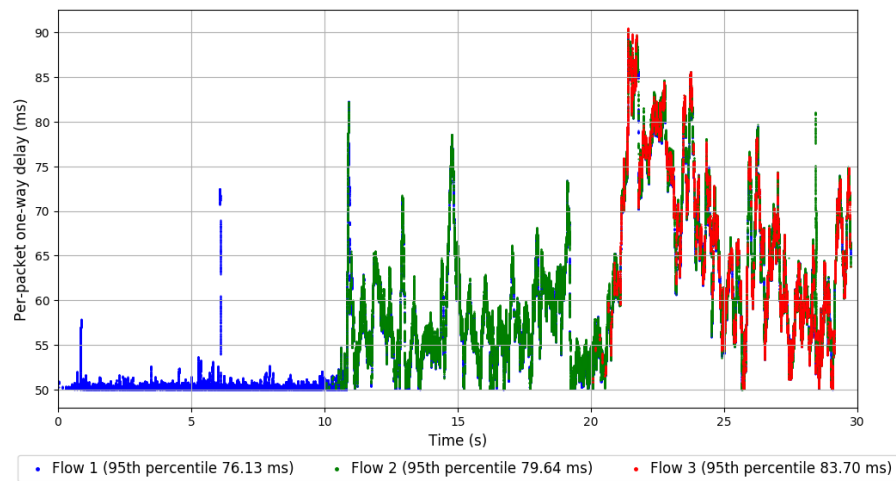
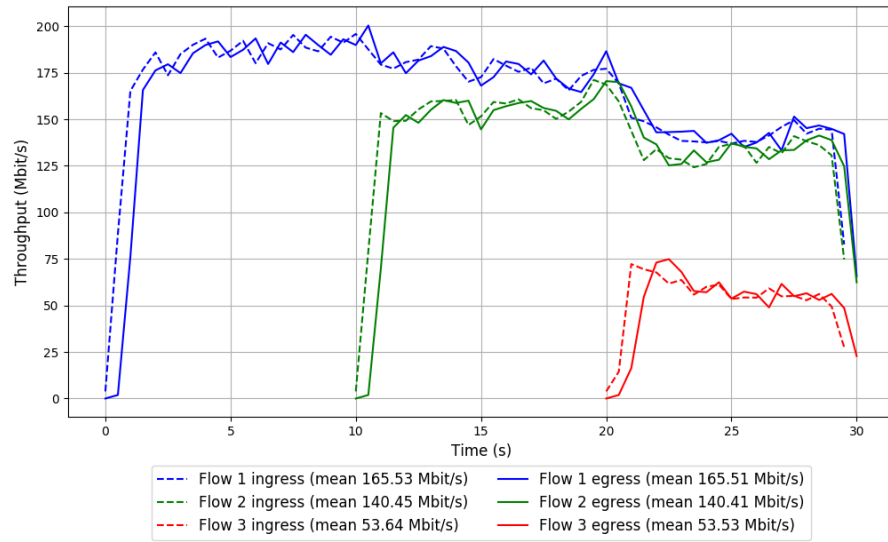
-- Flow 3:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 83.704 ms

Loss rate: 1.07%

Run 7: Report of Indigo — Data Link

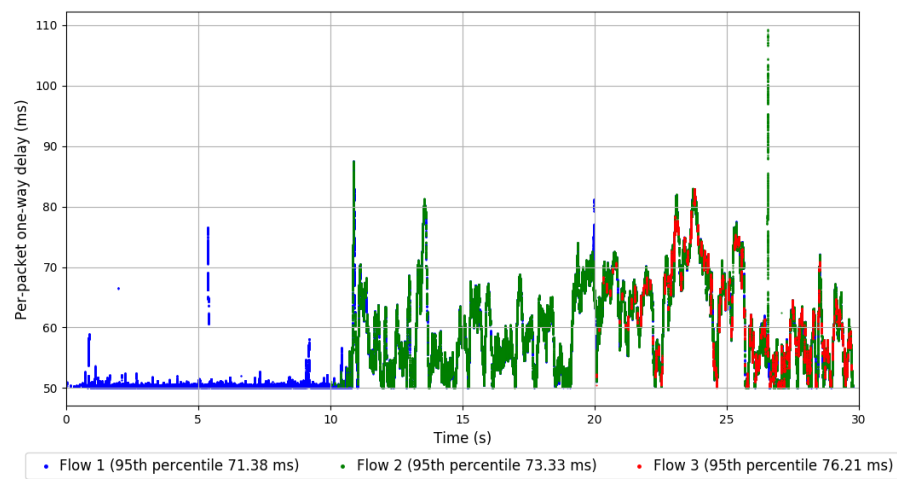
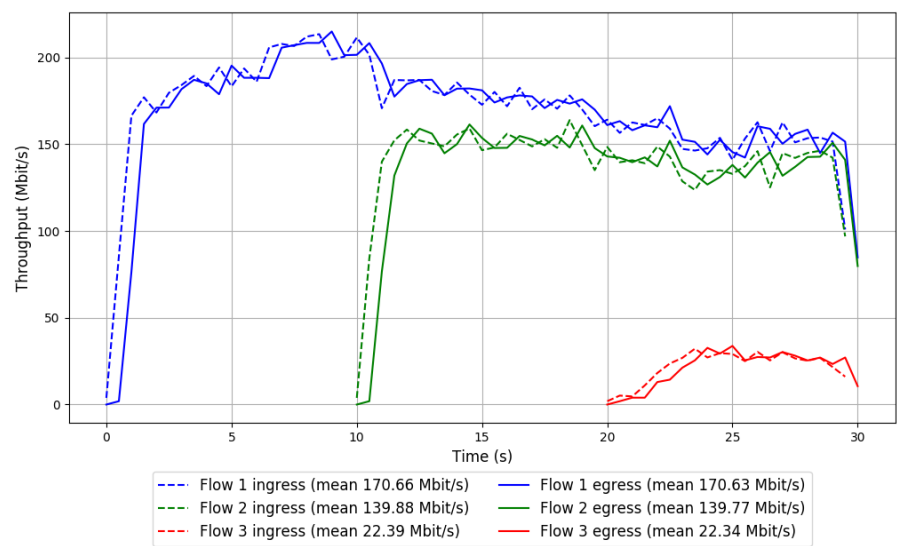


Run 8: Statistics of Indigo

Start at: 2018-07-02 06:56:24
End at: 2018-07-02 06:56:54
Local clock offset: -0.007 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 270.62 Mbit/s
95th percentile per-packet one-way delay: 72.313 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 170.63 Mbit/s
95th percentile per-packet one-way delay: 71.375 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 139.77 Mbit/s
95th percentile per-packet one-way delay: 73.334 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 76.207 ms
Loss rate: 1.26%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-07-02 07:19:27

End at: 2018-07-02 07:19:57

Local clock offset: -0.071 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 256.28 Mbit/s

95th percentile per-packet one-way delay: 75.564 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 161.91 Mbit/s

95th percentile per-packet one-way delay: 74.011 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 118.80 Mbit/s

95th percentile per-packet one-way delay: 77.088 ms

Loss rate: 0.49%

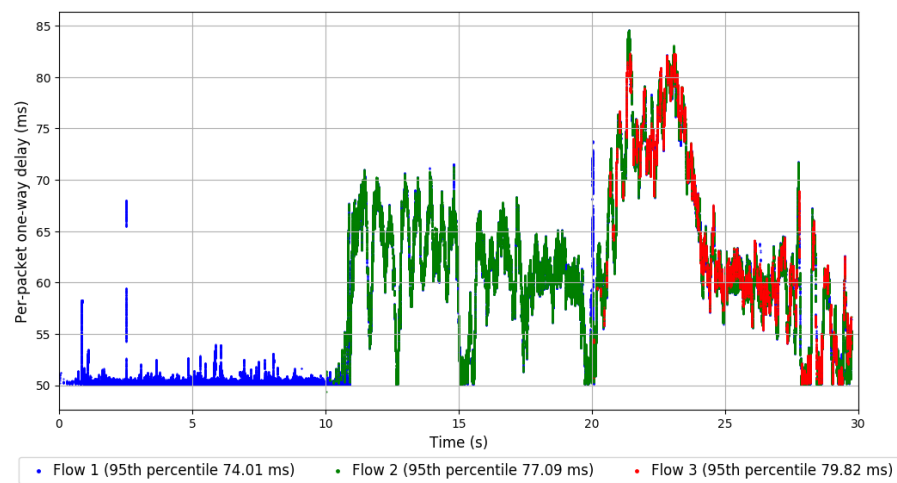
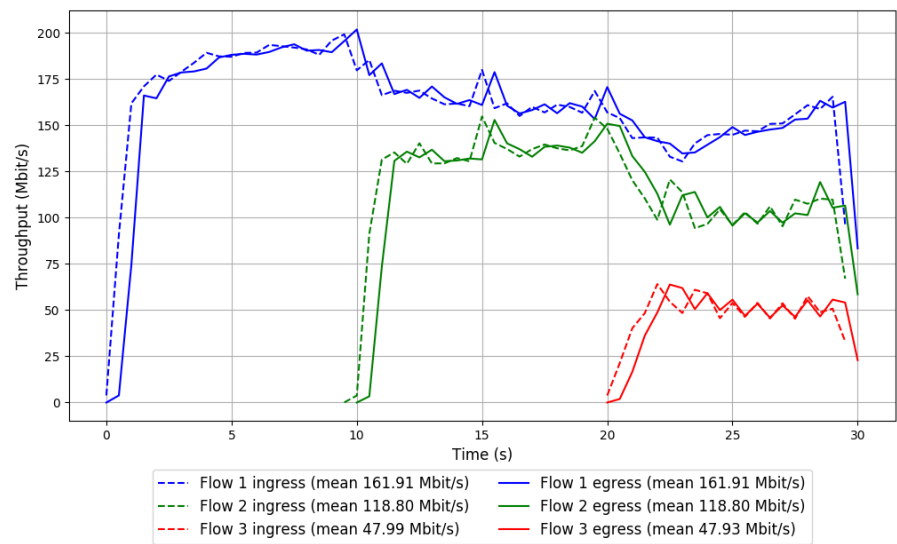
-- Flow 3:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 79.823 ms

Loss rate: 1.18%

Run 9: Report of Indigo — Data Link

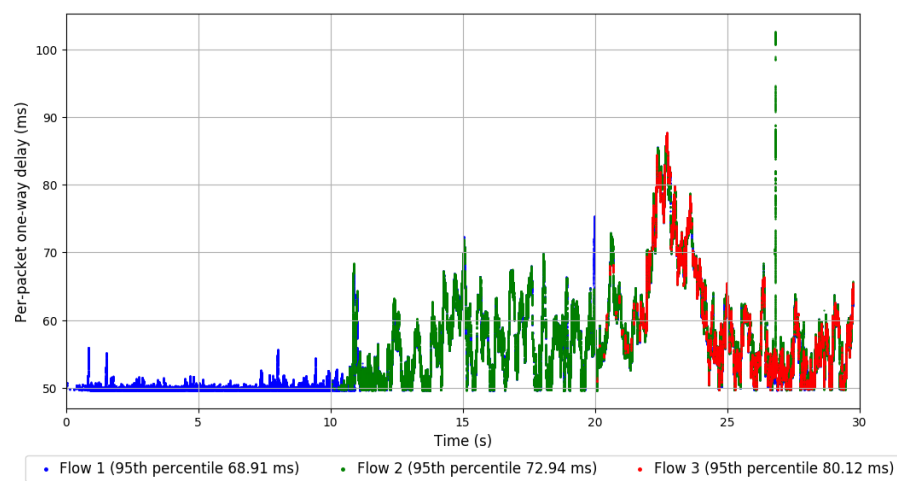
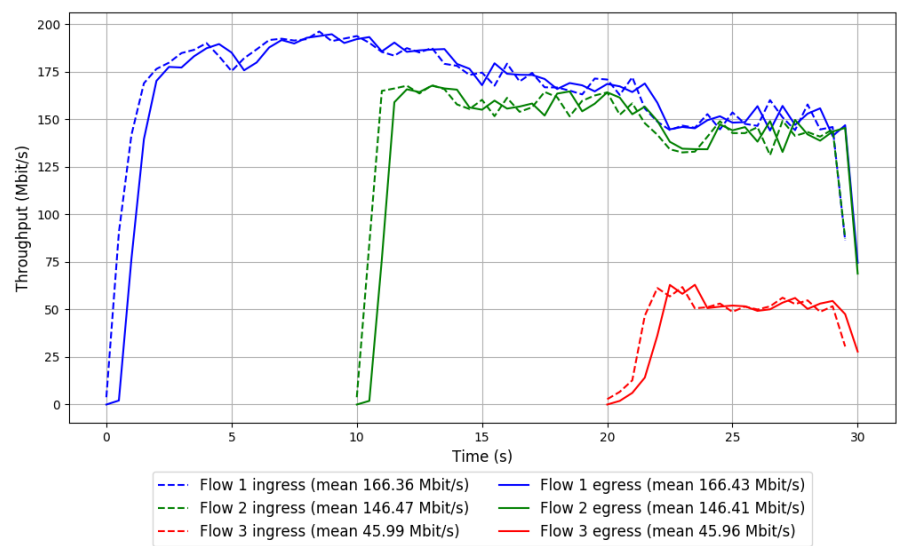


Run 10: Statistics of Indigo

Start at: 2018-07-02 07:42:33
End at: 2018-07-02 07:43:03
Local clock offset: -0.114 ms
Remote clock offset: -0.162 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.53 Mbit/s
95th percentile per-packet one-way delay: 71.430 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 166.43 Mbit/s
95th percentile per-packet one-way delay: 68.908 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 146.41 Mbit/s
95th percentile per-packet one-way delay: 72.939 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 45.96 Mbit/s
95th percentile per-packet one-way delay: 80.120 ms
Loss rate: 1.09%

Run 10: Report of Indigo — Data Link

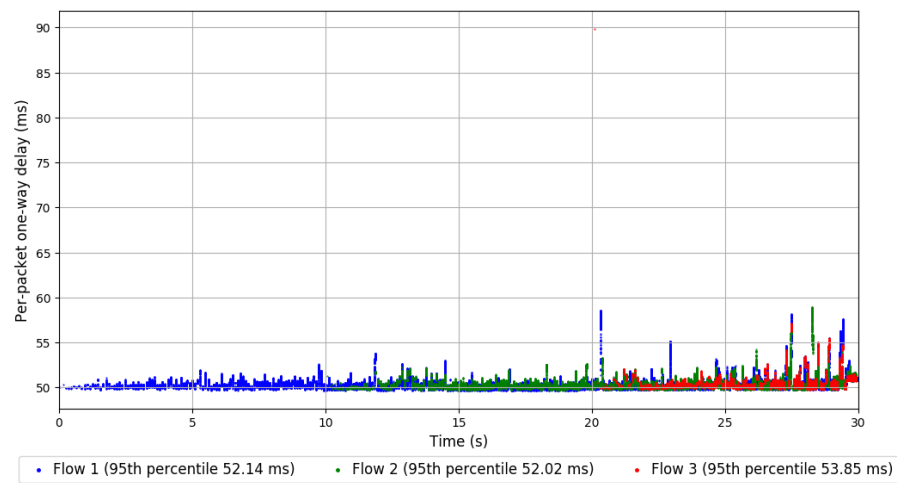
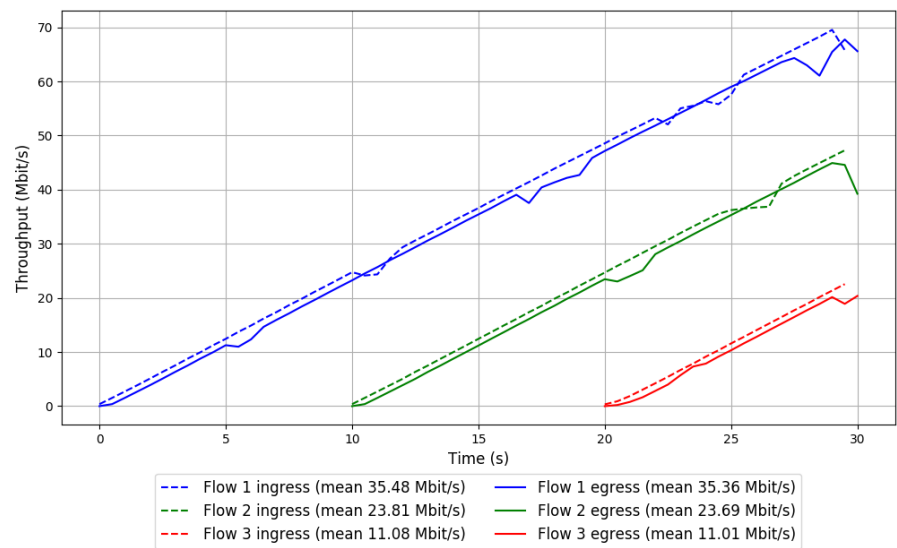


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-02 04:06:01
End at: 2018-07-02 04:06:31
Local clock offset: 0.014 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-07-02 09:12:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 52.207 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 35.36 Mbit/s
95th percentile per-packet one-way delay: 52.141 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: 52.021 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 53.855 ms
Loss rate: 2.10%
```


Run 1: Report of LEDBAT — Data Link

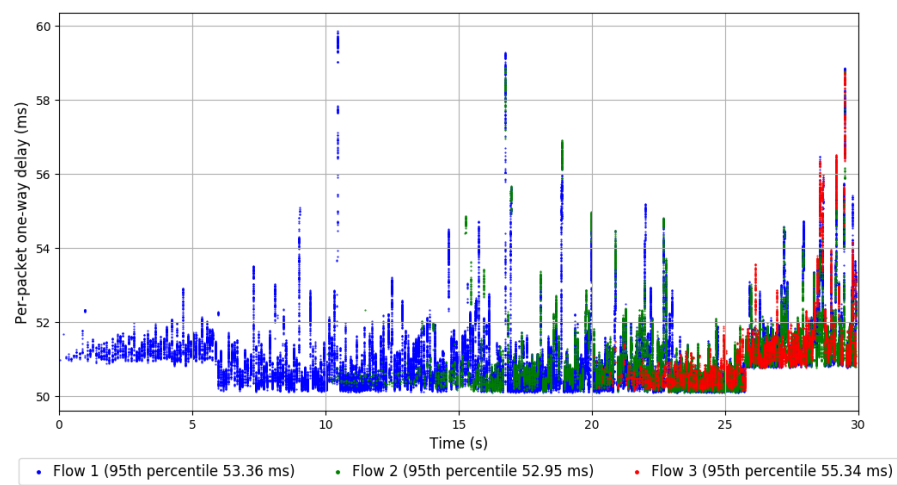
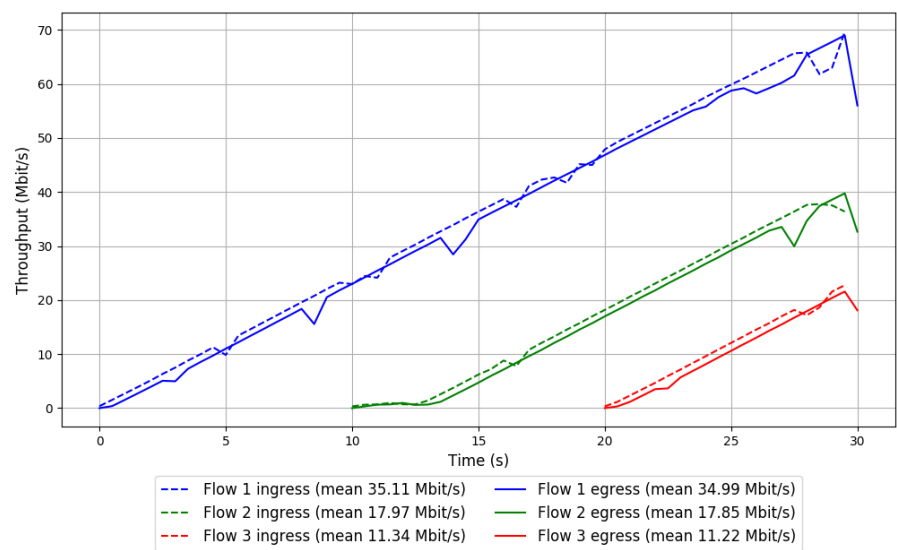


Run 2: Statistics of LEDBAT

Start at: 2018-07-02 04:28:55
End at: 2018-07-02 04:29:25
Local clock offset: 0.07 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 53.385 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 34.99 Mbit/s
95th percentile per-packet one-way delay: 53.359 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 17.85 Mbit/s
95th percentile per-packet one-way delay: 52.945 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 55.344 ms
Loss rate: 2.06%

Run 2: Report of LEDBAT — Data Link

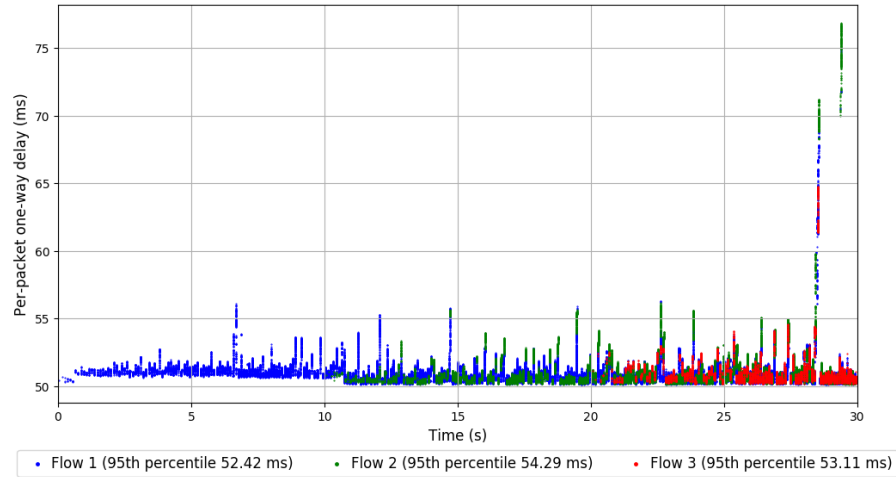
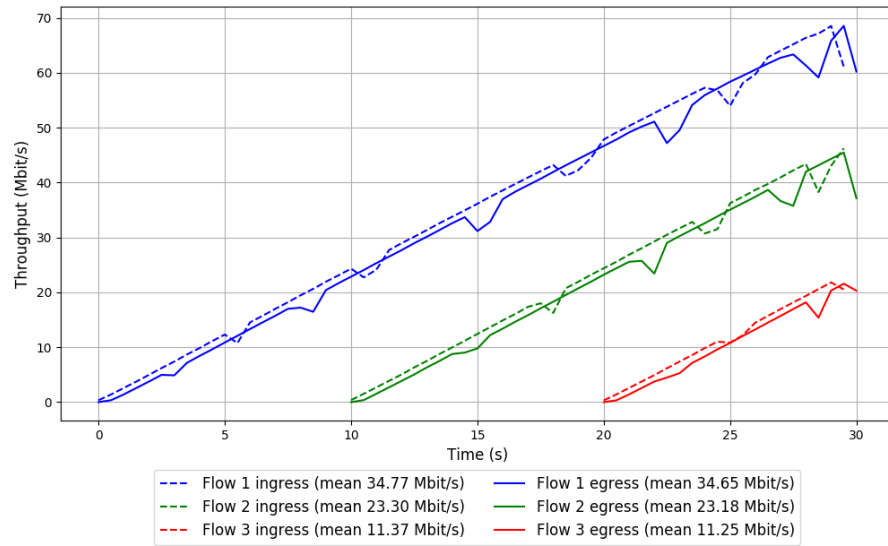


Run 3: Statistics of LEDBAT

Start at: 2018-07-02 04:52:00
End at: 2018-07-02 04:52:30
Local clock offset: 0.074 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 52.949 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.65 Mbit/s
95th percentile per-packet one-way delay: 52.421 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 54.291 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 53.109 ms
Loss rate: 2.06%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-02 05:15:06

End at: 2018-07-02 05:15:36

Local clock offset: 0.089 ms

Remote clock offset: 0.072 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 51.103 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 51.041 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 51.430 ms

Loss rate: 1.01%

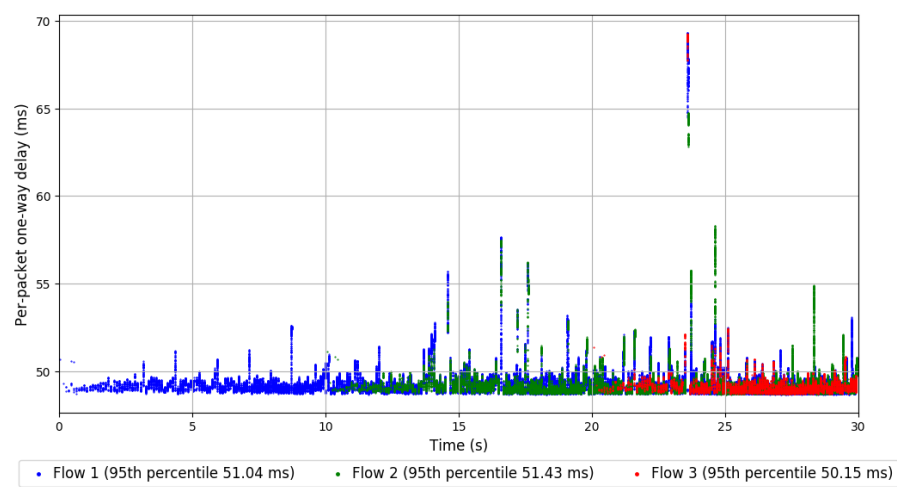
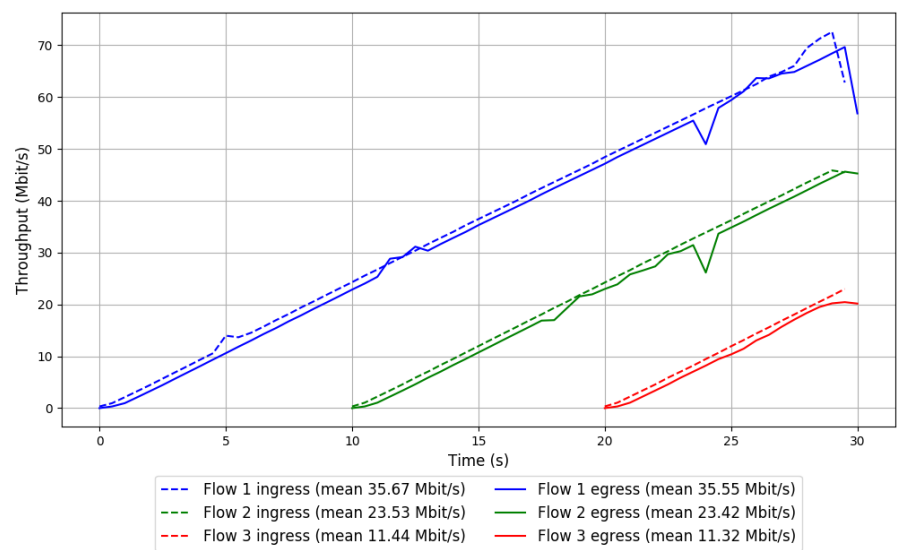
-- Flow 3:

Average throughput: 11.32 Mbit/s

95th percentile per-packet one-way delay: 50.154 ms

Loss rate: 2.06%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-07-02 05:38:08

End at: 2018-07-02 05:38:38

Local clock offset: 0.063 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 52.517 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 52.791 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 52.076 ms

Loss rate: 0.90%

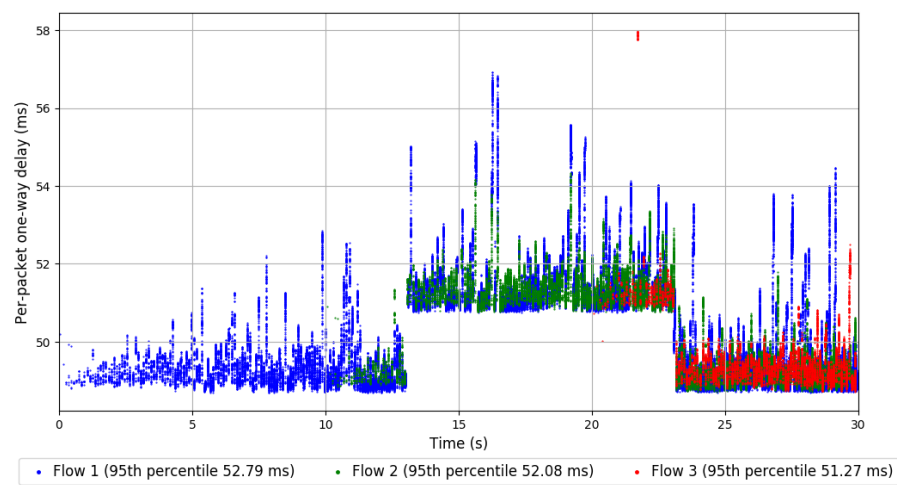
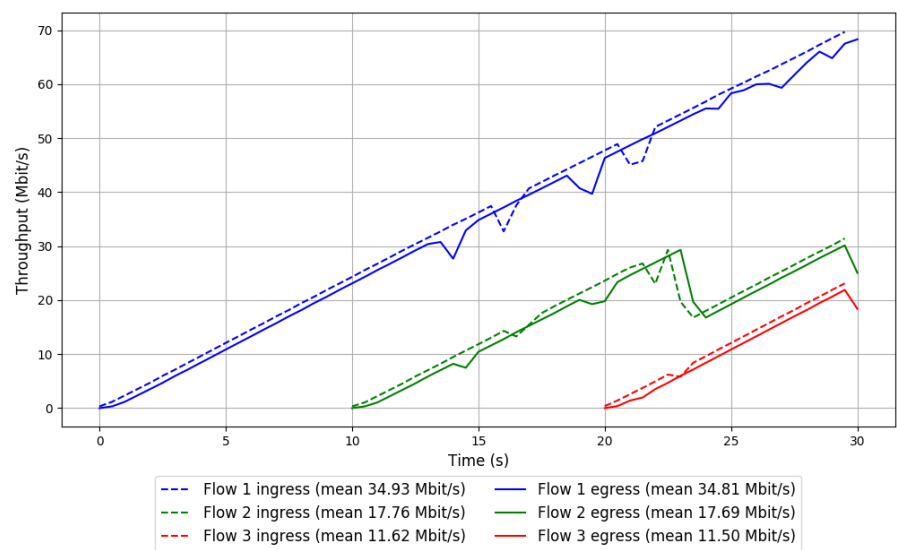
-- Flow 3:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 51.265 ms

Loss rate: 2.05%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-07-02 06:01:11

End at: 2018-07-02 06:01:41

Local clock offset: 0.426 ms

Remote clock offset: 0.202 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.47 Mbit/s

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

Loss rate: 0.88%

-- Flow 1:

Average throughput: 34.06 Mbit/s

95th percentile per-packet one-way delay: 52.492 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 52.183 ms

Loss rate: 1.02%

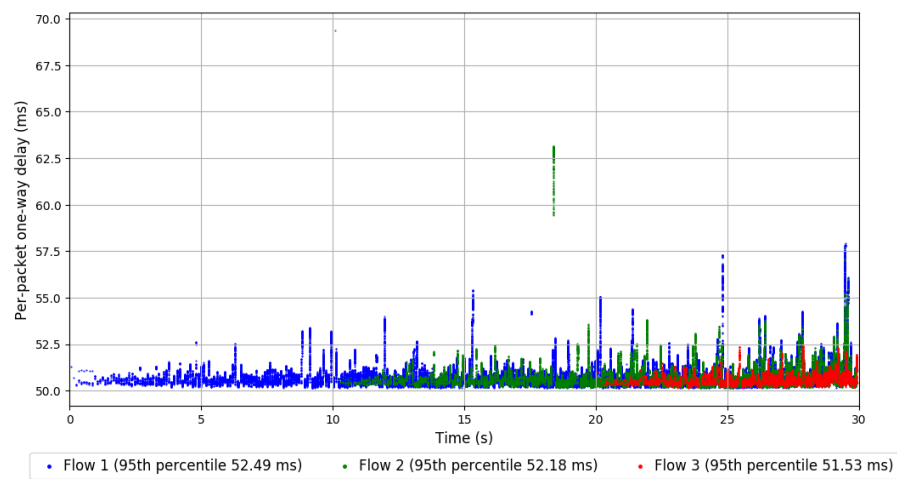
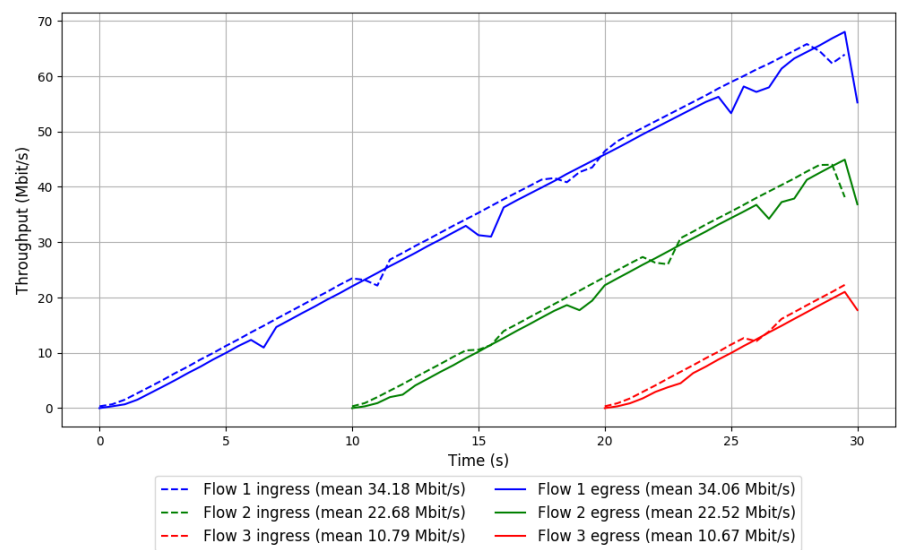
-- Flow 3:

Average throughput: 10.67 Mbit/s

95th percentile per-packet one-way delay: 51.533 ms

Loss rate: 2.12%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-07-02 06:24:23

End at: 2018-07-02 06:24:53

Local clock offset: -0.0 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.05 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 51.318 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 51.709 ms

Loss rate: 1.01%

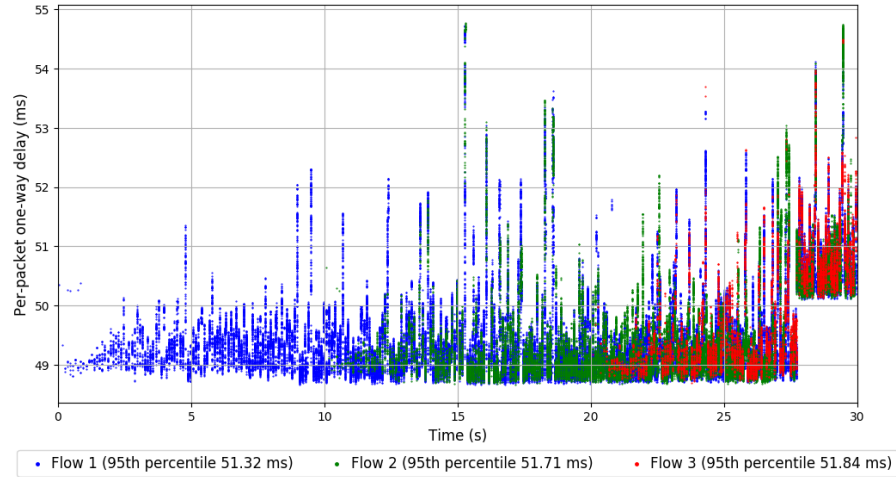
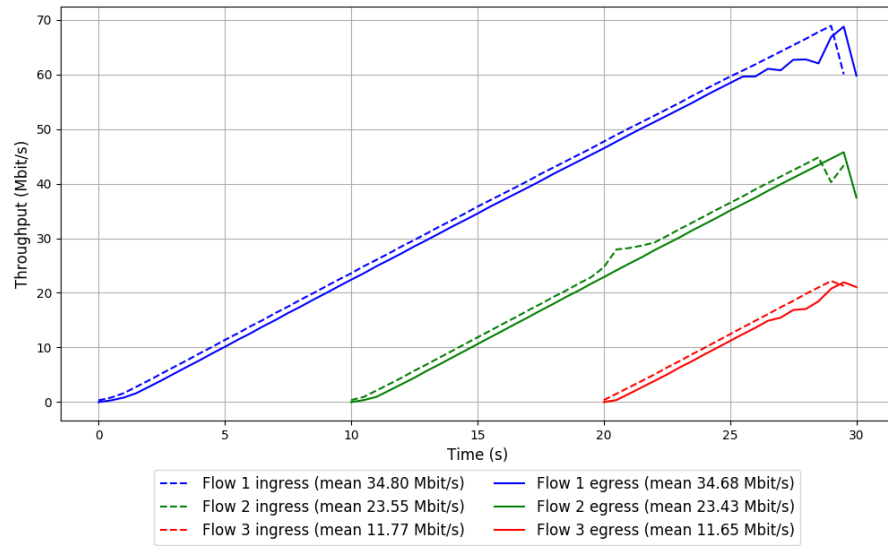
-- Flow 3:

Average throughput: 11.65 Mbit/s

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

Loss rate: 2.02%

Run 7: Report of LEDBAT — Data Link

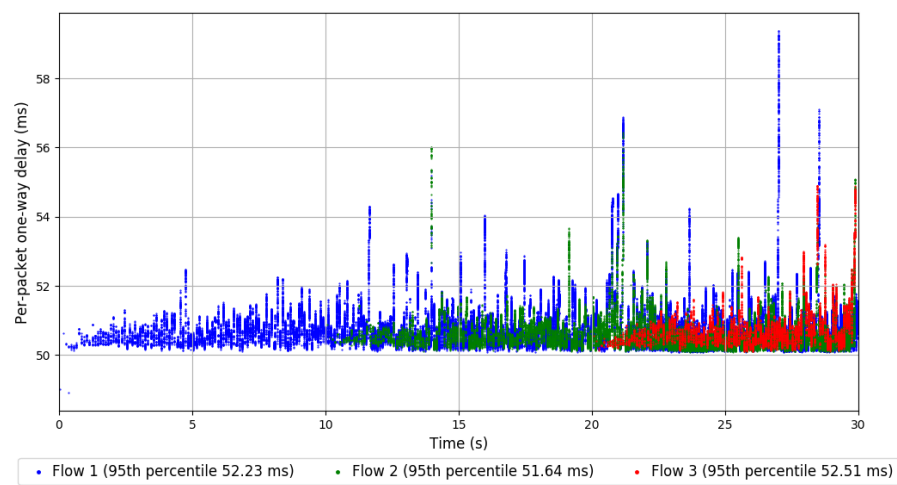
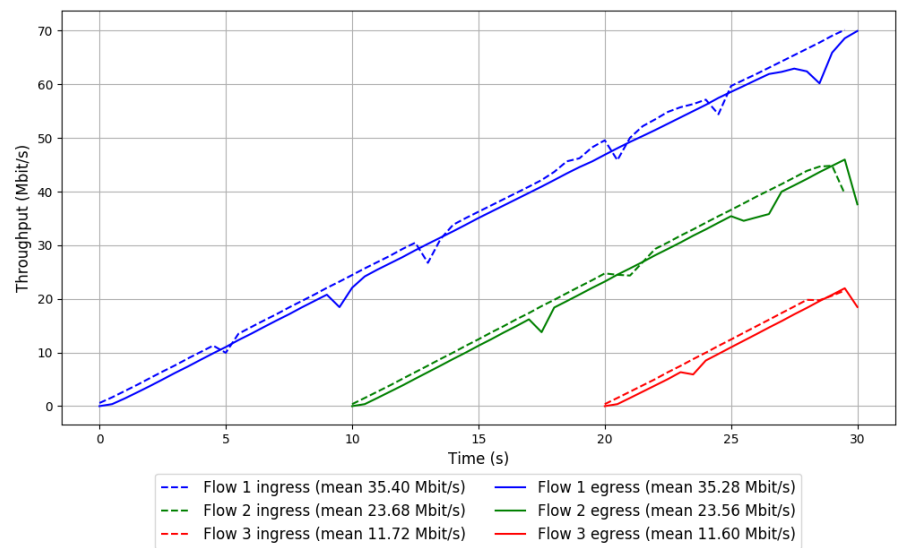


Run 8: Statistics of LEDBAT

Start at: 2018-07-02 06:47:36
End at: 2018-07-02 06:48:06
Local clock offset: 0.017 ms
Remote clock offset: -0.015 ms

Below is generated by plot.py at 2018-07-02 09:12:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: 52.114 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 35.28 Mbit/s
95th percentile per-packet one-way delay: 52.225 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.56 Mbit/s
95th percentile per-packet one-way delay: 51.642 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 52.505 ms
Loss rate: 2.04%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-07-02 07:10:37

End at: 2018-07-02 07:11:07

Local clock offset: -0.05 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-02 09:12:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.04 Mbit/s

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

Loss rate: 0.88%

-- Flow 1:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 51.810 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 52.107 ms

Loss rate: 1.01%

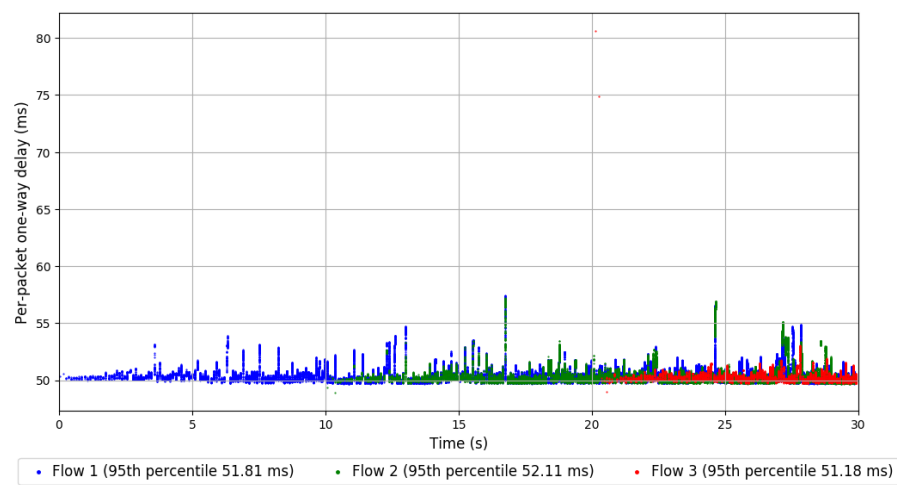
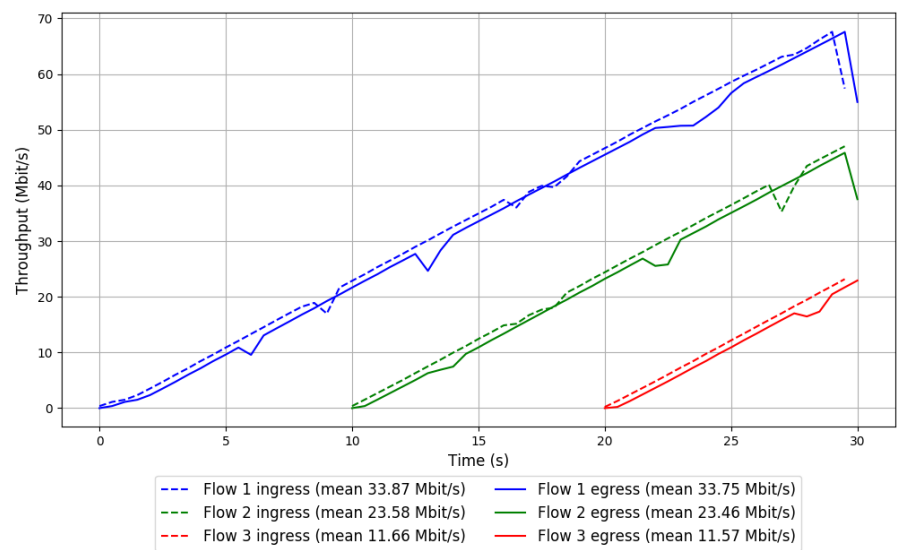
-- Flow 3:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 51.176 ms

Loss rate: 2.05%

Run 9: Report of LEDBAT — Data Link

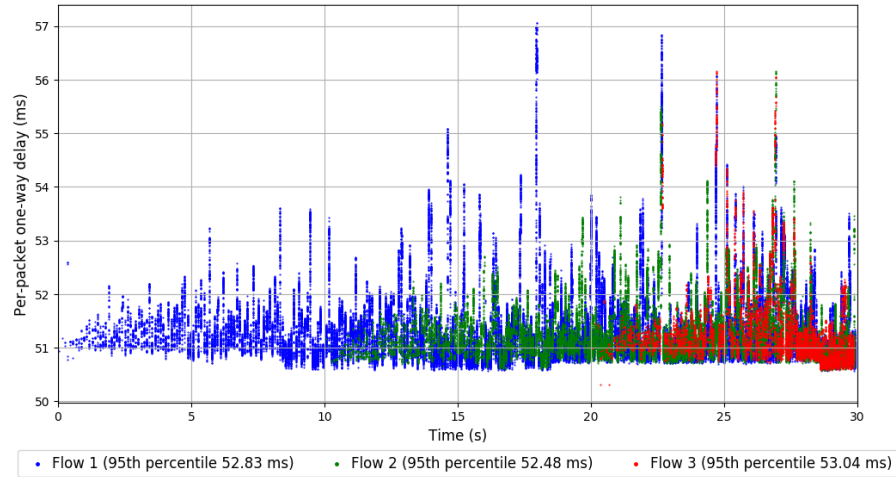
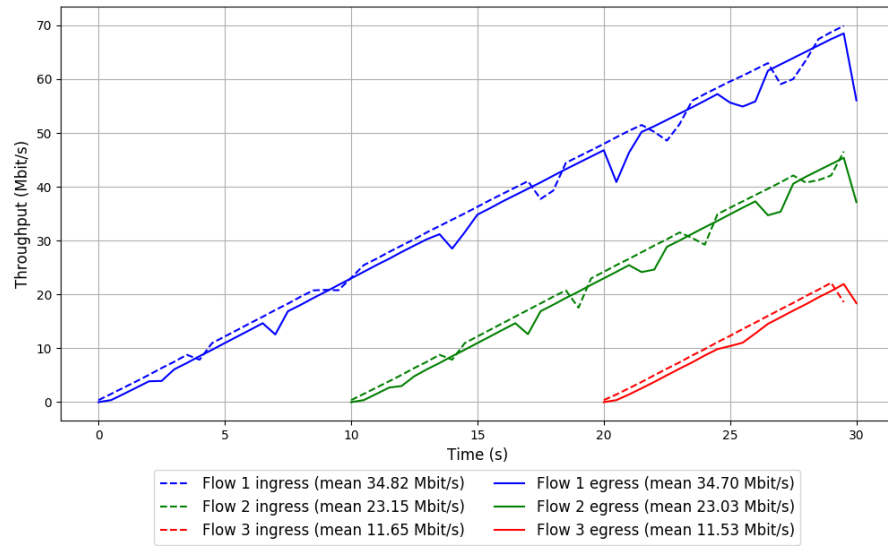


Run 10: Statistics of LEDBAT

Start at: 2018-07-02 07:33:42
End at: 2018-07-02 07:34:13
Local clock offset: -0.084 ms
Remote clock offset: -0.089 ms

Below is generated by plot.py at 2018-07-02 09:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 52.722 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 23.03 Mbit/s
95th percentile per-packet one-way delay: 52.475 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 11.53 Mbit/s
95th percentile per-packet one-way delay: 53.044 ms
Loss rate: 2.05%

Run 10: Report of LEDBAT — Data Link

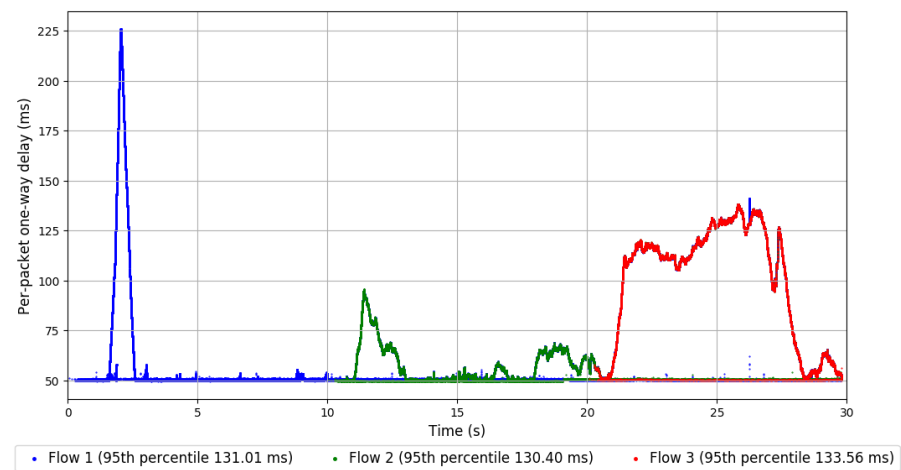
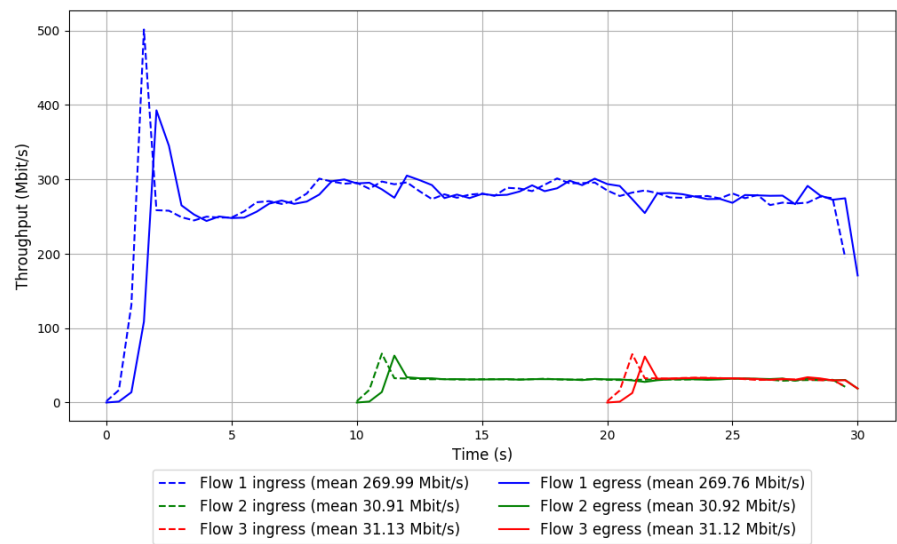


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-07-02 04:13:32
End at: 2018-07-02 04:14:02
Local clock offset: 0.059 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2018-07-02 09:12:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 300.42 Mbit/s
95th percentile per-packet one-way delay: 131.106 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 269.76 Mbit/s
95th percentile per-packet one-way delay: 131.015 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 30.92 Mbit/s
95th percentile per-packet one-way delay: 130.404 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 31.12 Mbit/s
95th percentile per-packet one-way delay: 133.562 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Allegro — Data Link

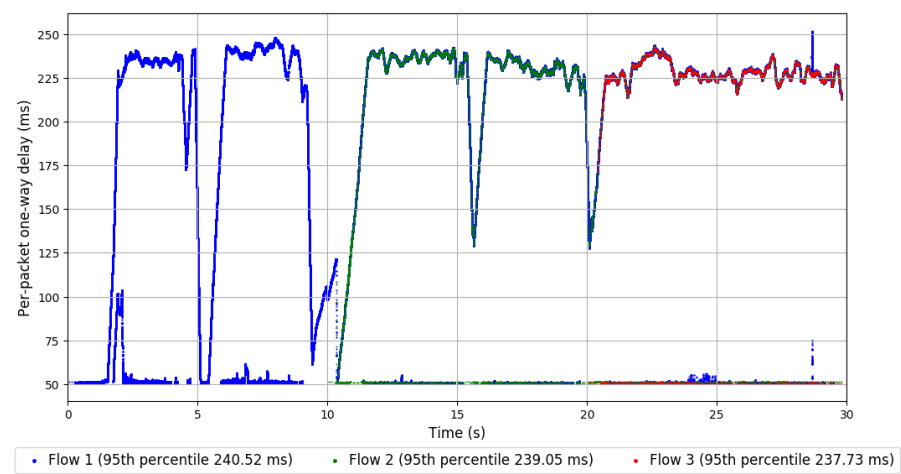
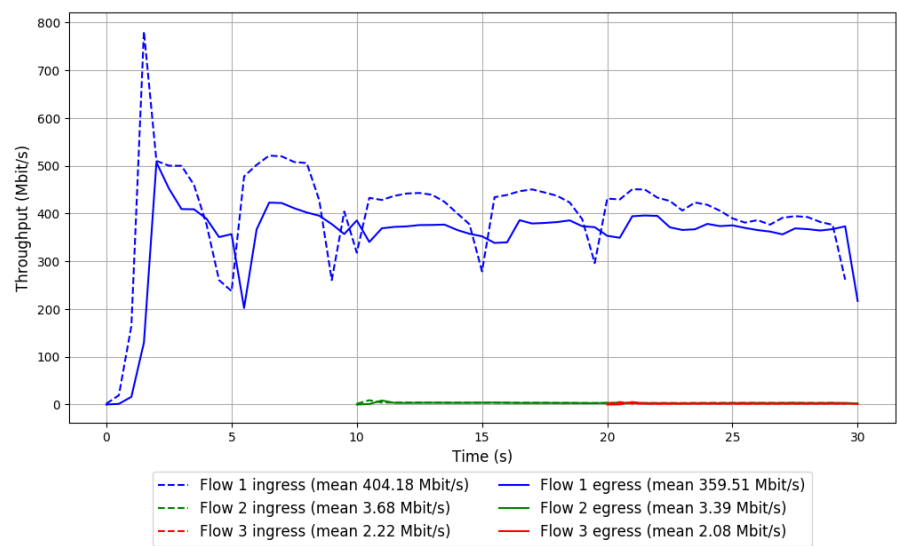


Run 2: Statistics of PCC-Allegro

Start at: 2018-07-02 04:36:30
End at: 2018-07-02 04:37:00
Local clock offset: 0.471 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-07-02 09:12:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 362.44 Mbit/s
95th percentile per-packet one-way delay: 240.511 ms
Loss rate: 11.32%
-- Flow 1:
Average throughput: 359.51 Mbit/s
95th percentile per-packet one-way delay: 240.523 ms
Loss rate: 11.35%
-- Flow 2:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 239.051 ms
Loss rate: 8.33%
-- Flow 3:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 237.731 ms
Loss rate: 7.41%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-02 04:59:31

End at: 2018-07-02 05:00:01

Local clock offset: 0.037 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-02 09:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 299.37 Mbit/s

95th percentile per-packet one-way delay: 106.169 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 288.33 Mbit/s

95th percentile per-packet one-way delay: 106.228 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 14.48 Mbit/s

95th percentile per-packet one-way delay: 103.253 ms

Loss rate: 0.51%

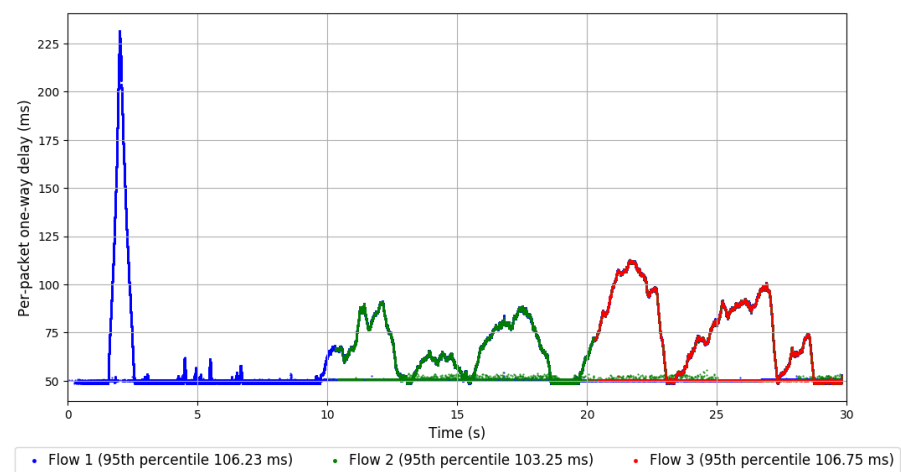
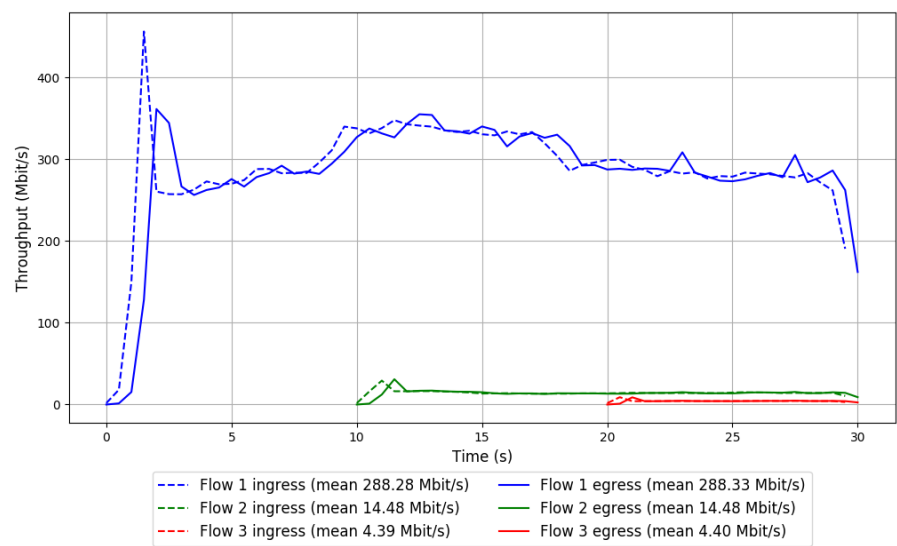
-- Flow 3:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 106.752 ms

Loss rate: 1.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-02 05:22:45

End at: 2018-07-02 05:23:15

Local clock offset: 0.101 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-02 09:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 312.93 Mbit/s

95th percentile per-packet one-way delay: 180.581 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 305.88 Mbit/s

95th percentile per-packet one-way delay: 179.627 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 8.54 Mbit/s

95th percentile per-packet one-way delay: 194.236 ms

Loss rate: 0.58%

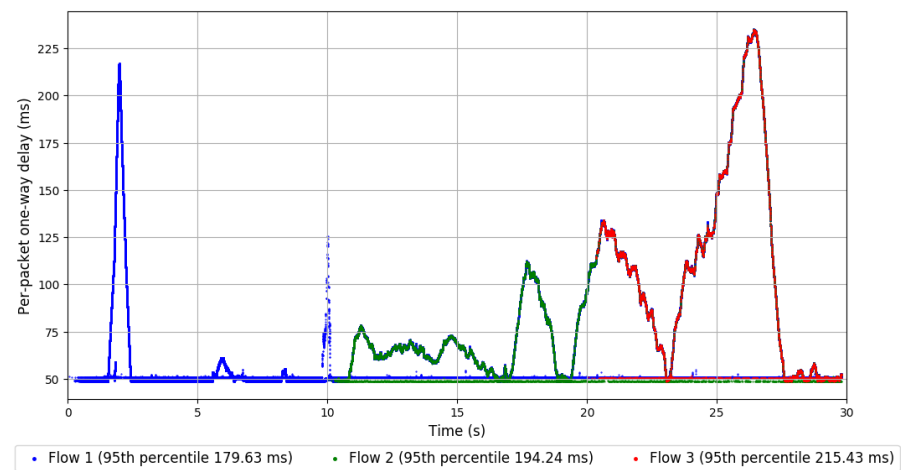
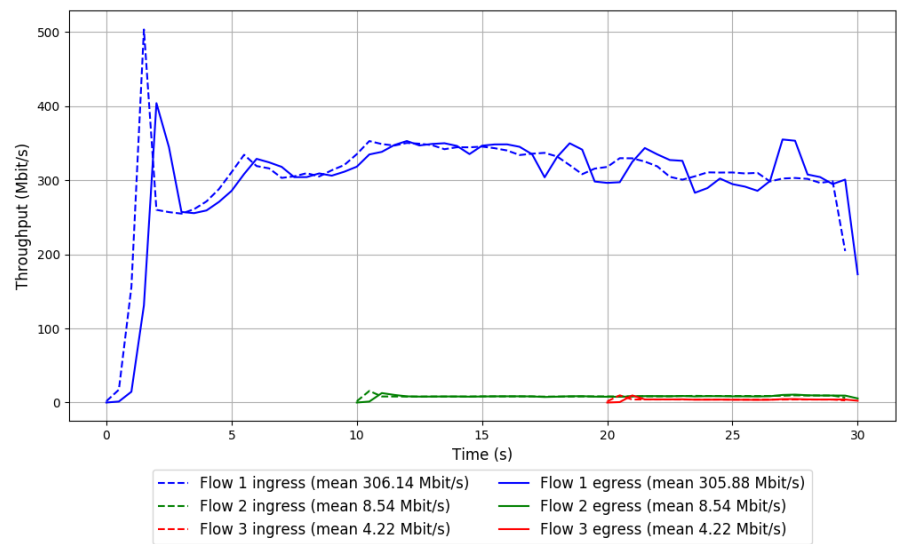
-- Flow 3:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 215.429 ms

Loss rate: 1.03%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-02 05:45:35

End at: 2018-07-02 05:46:05

Local clock offset: 0.06 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-02 09:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.83 Mbit/s

95th percentile per-packet one-way delay: 247.128 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 280.06 Mbit/s

95th percentile per-packet one-way delay: 246.773 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 248.441 ms

Loss rate: 1.22%

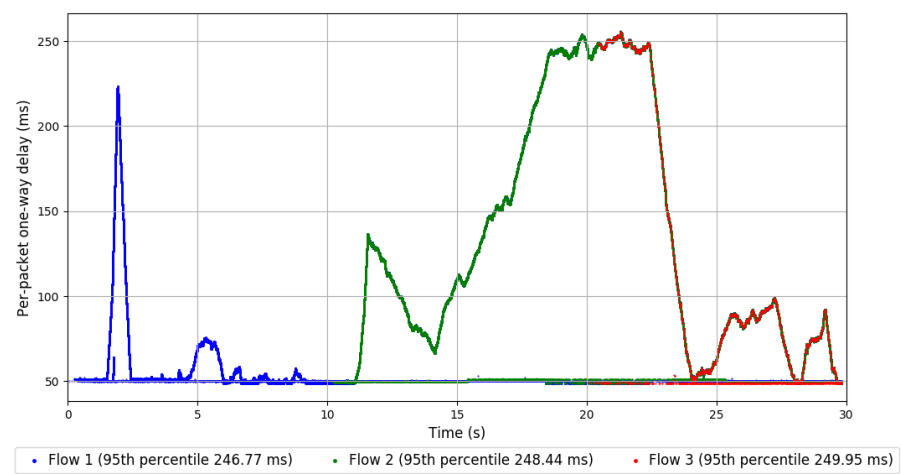
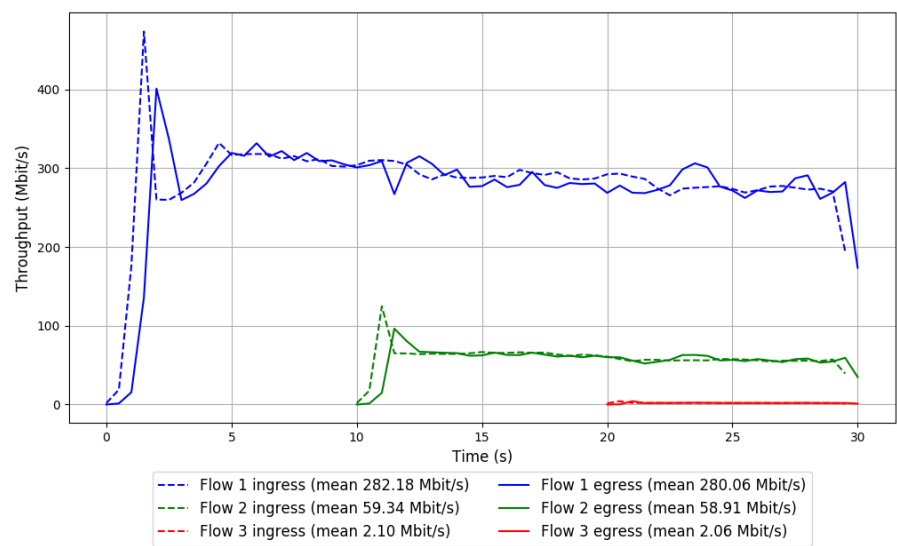
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 249.953 ms

Loss rate: 2.98%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-02 06:08:41

End at: 2018-07-02 06:09:11

Local clock offset: -0.327 ms

Remote clock offset: 0.259 ms

Below is generated by plot.py at 2018-07-02 09:12:38

Datalink statistics

-- Total of 3 flows:

Average throughput: 329.40 Mbit/s

95th percentile per-packet one-way delay: 135.430 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 285.81 Mbit/s

95th percentile per-packet one-way delay: 135.549 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 57.56 Mbit/s

95th percentile per-packet one-way delay: 135.558 ms

Loss rate: 0.50%

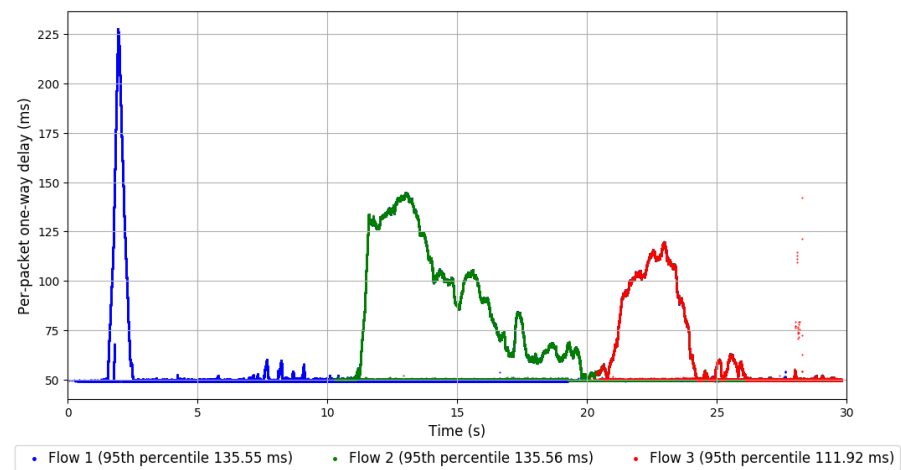
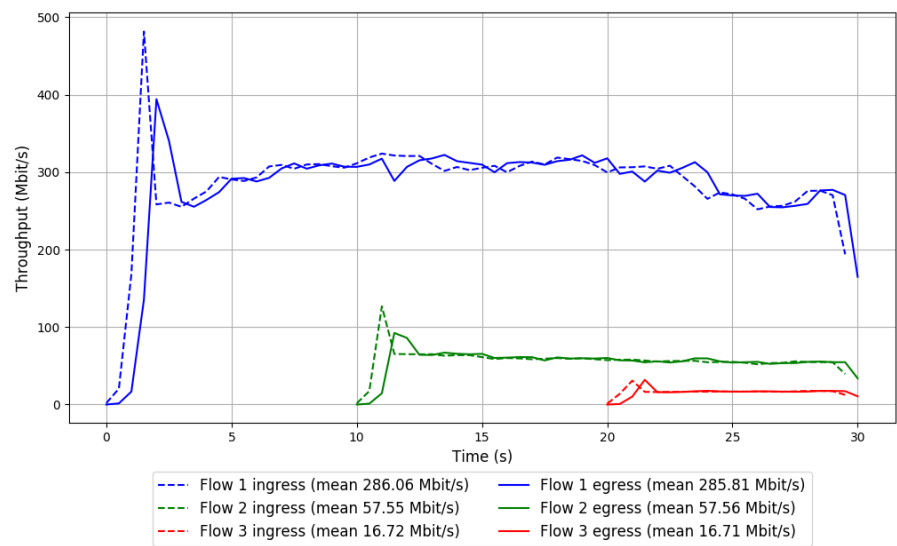
-- Flow 3:

Average throughput: 16.71 Mbit/s

95th percentile per-packet one-way delay: 111.924 ms

Loss rate: 1.11%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-02 06:32:04

End at: 2018-07-02 06:32:34

Local clock offset: 0.008 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-02 09:13:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 300.56 Mbit/s

95th percentile per-packet one-way delay: 146.693 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 257.13 Mbit/s

95th percentile per-packet one-way delay: 146.801 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 144.792 ms

Loss rate: 0.58%

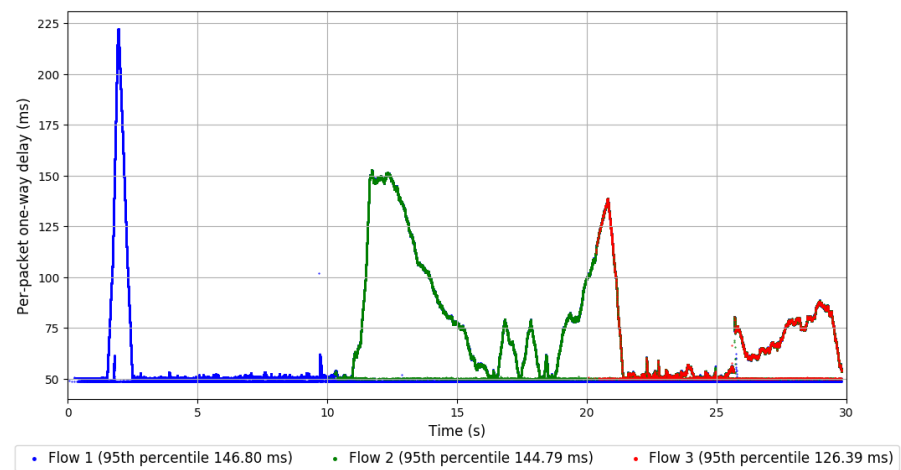
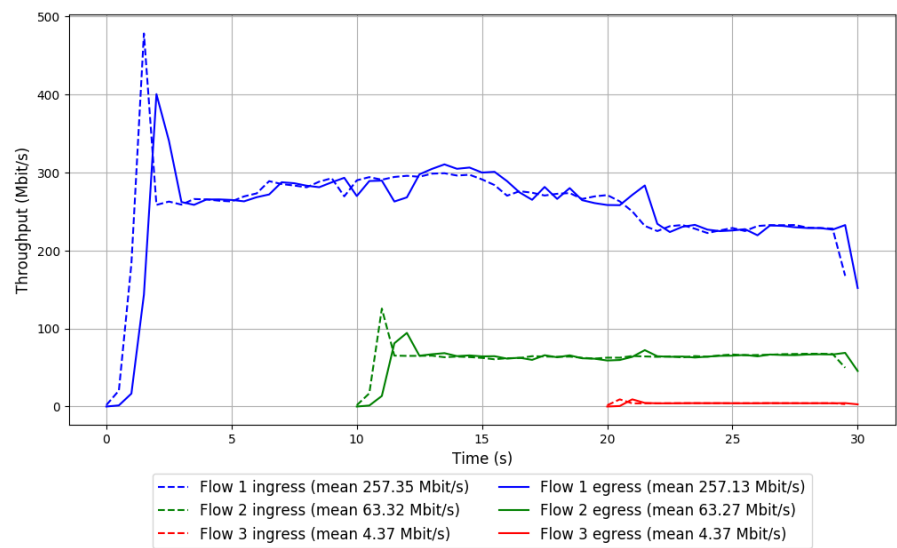
-- Flow 3:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 126.394 ms

Loss rate: 1.08%

Run 7: Report of PCC-Allegro — Data Link

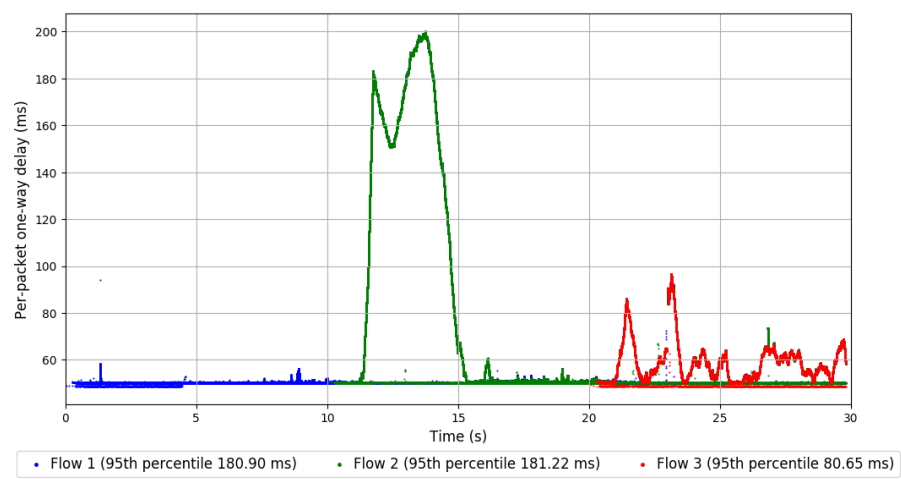
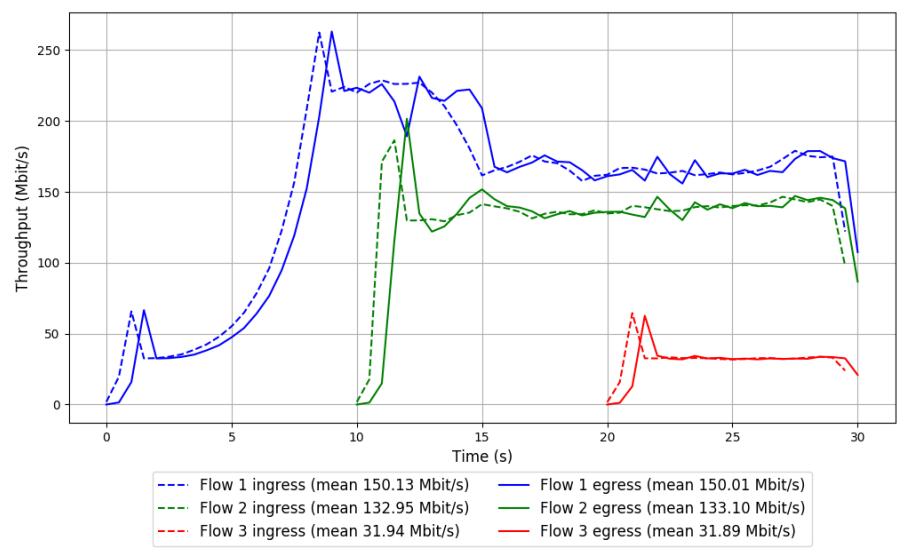


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-02 06:55:06
End at: 2018-07-02 06:55:36
Local clock offset: -0.031 ms
Remote clock offset: -0.048 ms

```
# Below is generated by plot.py at 2018-07-02 09:13:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 248.78 Mbit/s
95th percentile per-packet one-way delay: 179.968 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 150.01 Mbit/s
95th percentile per-packet one-way delay: 180.897 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 133.10 Mbit/s
95th percentile per-packet one-way delay: 181.220 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 80.654 ms
Loss rate: 1.16%
```

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-07-02 07:18:07

End at: 2018-07-02 07:18:37

Local clock offset: -0.061 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-02 09:14:36

Datalink statistics

-- Total of 3 flows:

Average throughput: 335.20 Mbit/s

95th percentile per-packet one-way delay: 130.440 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 328.23 Mbit/s

95th percentile per-packet one-way delay: 130.445 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 128.794 ms

Loss rate: 0.63%

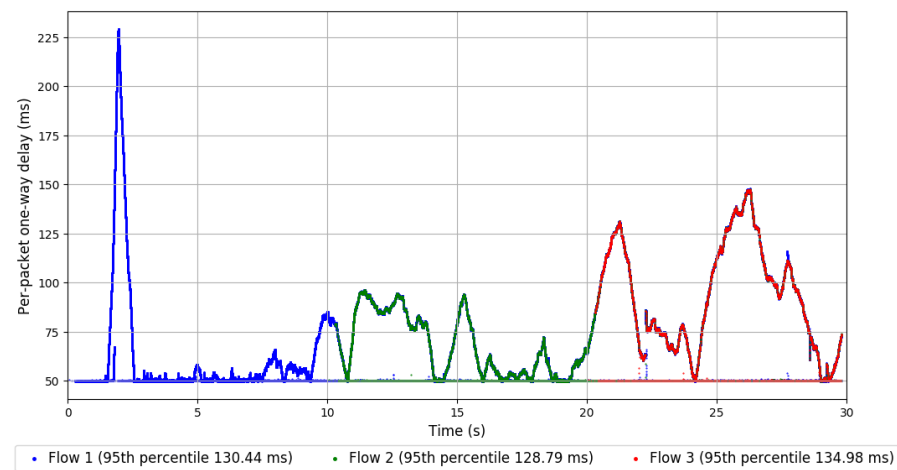
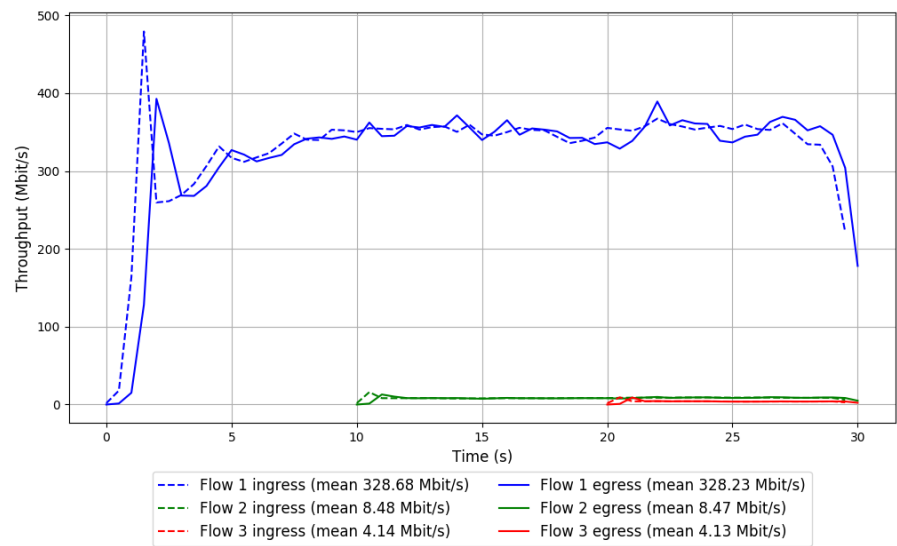
-- Flow 3:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 134.977 ms

Loss rate: 1.21%

Run 9: Report of PCC-Allegro — Data Link

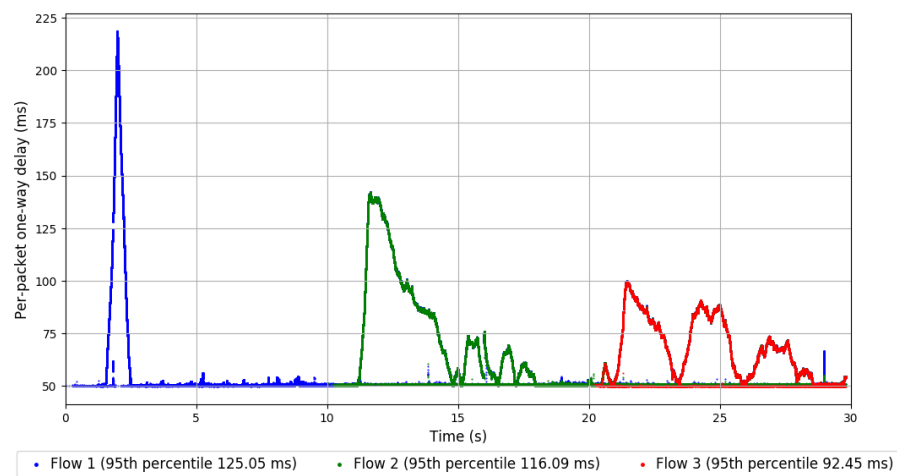
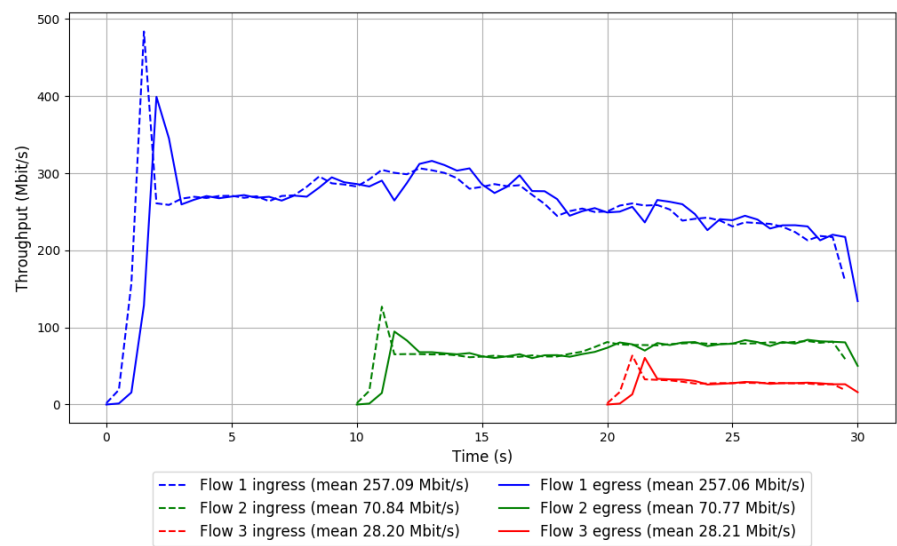


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-02 07:41:13
End at: 2018-07-02 07:41:43
Local clock offset: -0.049 ms
Remote clock offset: -0.147 ms

Below is generated by plot.py at 2018-07-02 09:14:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 313.27 Mbit/s
95th percentile per-packet one-way delay: 121.716 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 257.06 Mbit/s
95th percentile per-packet one-way delay: 125.046 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 70.77 Mbit/s
95th percentile per-packet one-way delay: 116.088 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 92.448 ms
Loss rate: 1.00%

Run 10: Report of PCC-Allegro — Data Link

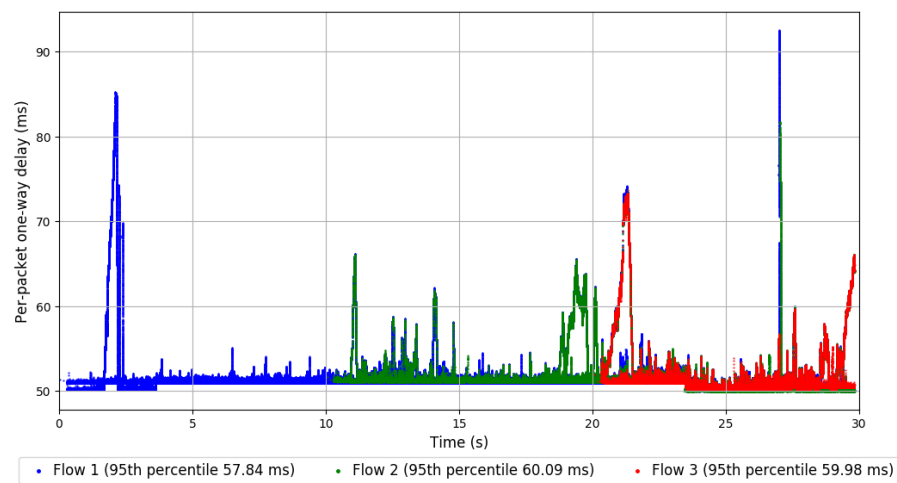
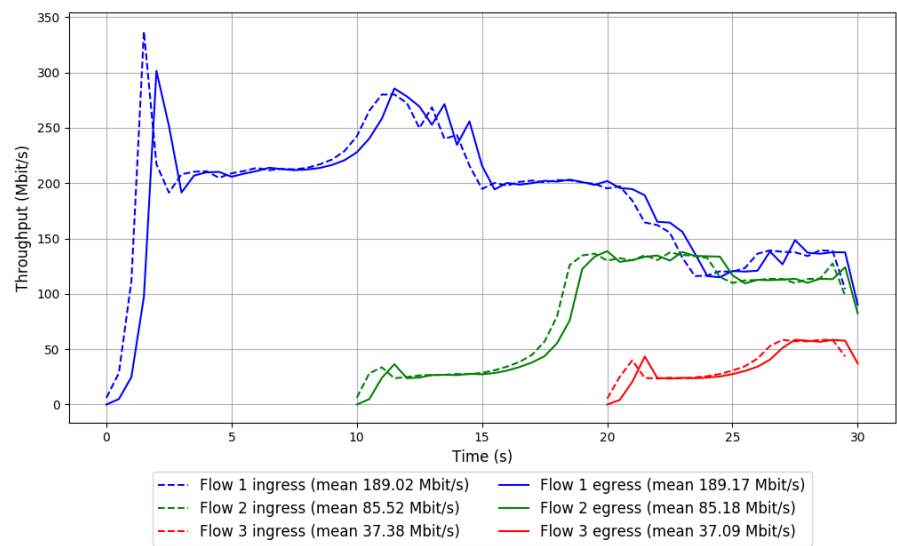


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-02 04:08:27
End at: 2018-07-02 04:08:57
Local clock offset: 0.411 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-07-02 09:17:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 257.87 Mbit/s
95th percentile per-packet one-way delay: 58.479 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 189.17 Mbit/s
95th percentile per-packet one-way delay: 57.845 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 60.095 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 59.975 ms
Loss rate: 1.79%
```


Run 1: Report of PCC-Expr — Data Link

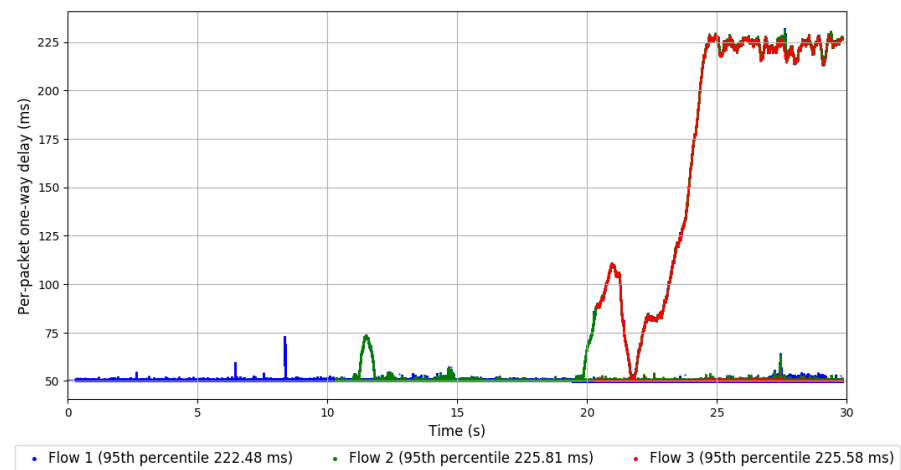
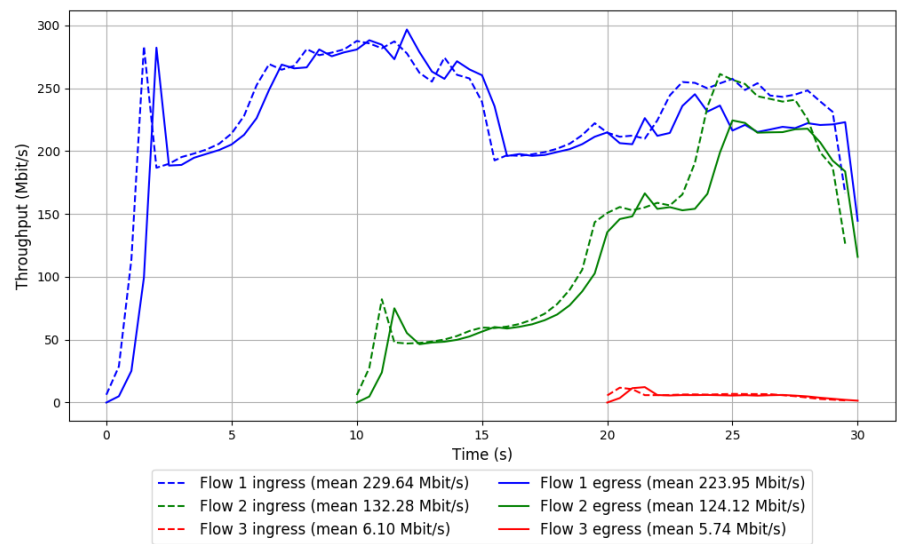


Run 2: Statistics of PCC-Expr

Start at: 2018-07-02 04:31:21
End at: 2018-07-02 04:31:51
Local clock offset: 0.072 ms
Remote clock offset: -0.226 ms

Below is generated by plot.py at 2018-07-02 09:19:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 308.24 Mbit/s
95th percentile per-packet one-way delay: 224.439 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 223.95 Mbit/s
95th percentile per-packet one-way delay: 222.476 ms
Loss rate: 2.81%
-- Flow 2:
Average throughput: 124.12 Mbit/s
95th percentile per-packet one-way delay: 225.805 ms
Loss rate: 6.65%
-- Flow 3:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 225.577 ms
Loss rate: 6.71%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-02 04:54:26

End at: 2018-07-02 04:54:56

Local clock offset: 0.468 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-02 09:21:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 307.33 Mbit/s

95th percentile per-packet one-way delay: 218.002 ms

Loss rate: 3.26%

-- Flow 1:

Average throughput: 185.98 Mbit/s

95th percentile per-packet one-way delay: 213.903 ms

Loss rate: 2.12%

-- Flow 2:

Average throughput: 169.62 Mbit/s

95th percentile per-packet one-way delay: 219.408 ms

Loss rate: 4.68%

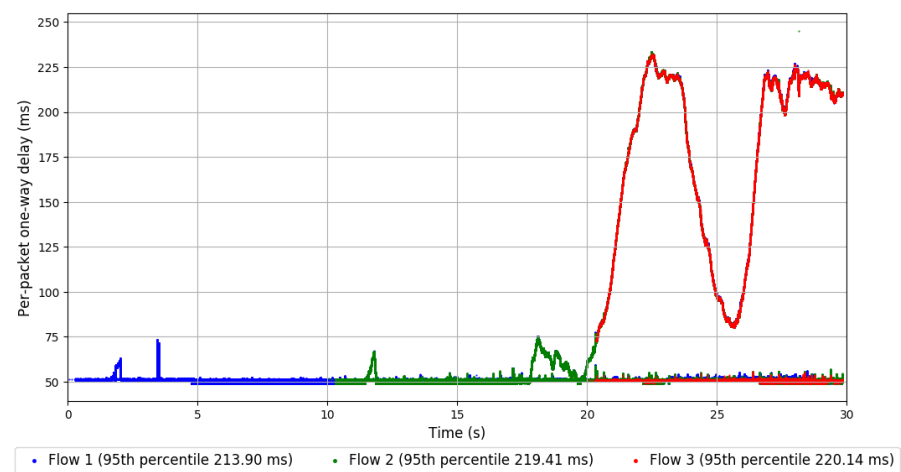
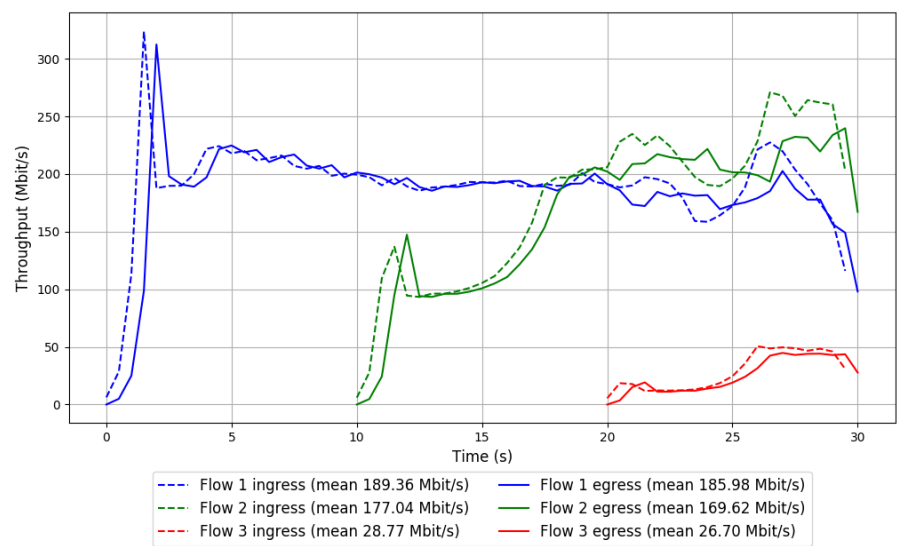
-- Flow 3:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 220.137 ms

Loss rate: 8.17%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-02 05:17:32

End at: 2018-07-02 05:18:02

Local clock offset: 0.494 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-02 09:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 347.48 Mbit/s

95th percentile per-packet one-way delay: 306.094 ms

Loss rate: 13.03%

-- Flow 1:

Average throughput: 149.01 Mbit/s

95th percentile per-packet one-way delay: 219.697 ms

Loss rate: 8.69%

-- Flow 2:

Average throughput: 297.54 Mbit/s

95th percentile per-packet one-way delay: 319.767 ms

Loss rate: 16.03%

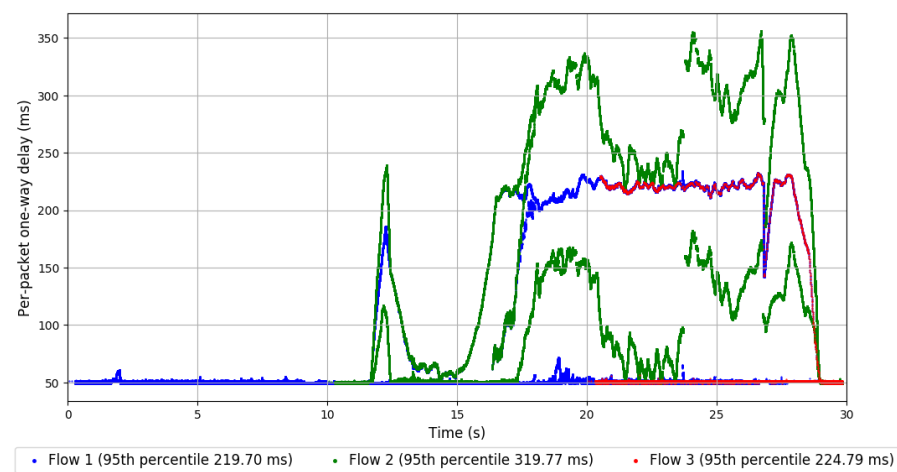
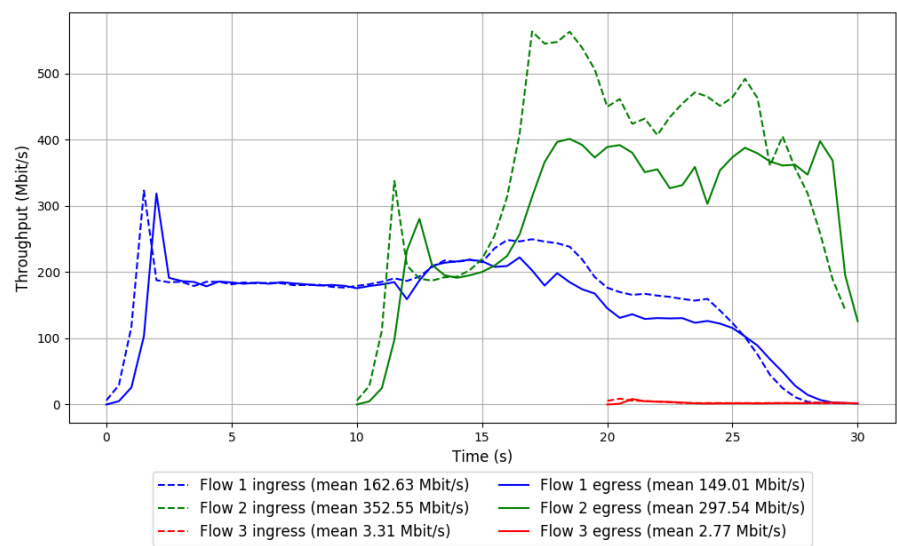
-- Flow 3:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 224.794 ms

Loss rate: 17.06%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-02 05:40:33

End at: 2018-07-02 05:41:03

Local clock offset: 0.057 ms

Remote clock offset: 0.052 ms

Below is generated by plot.py at 2018-07-02 09:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 260.00 Mbit/s

95th percentile per-packet one-way delay: 212.195 ms

Loss rate: 2.19%

-- Flow 1:

Average throughput: 187.62 Mbit/s

95th percentile per-packet one-way delay: 99.452 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 256.875 ms

Loss rate: 3.38%

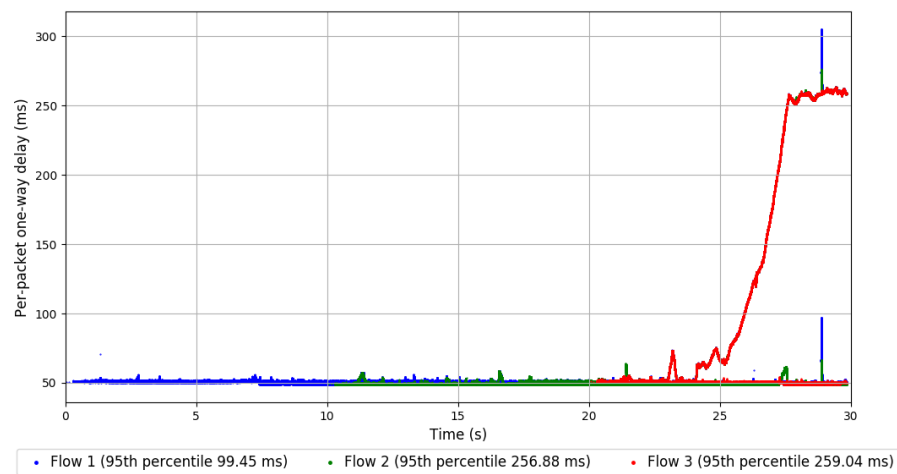
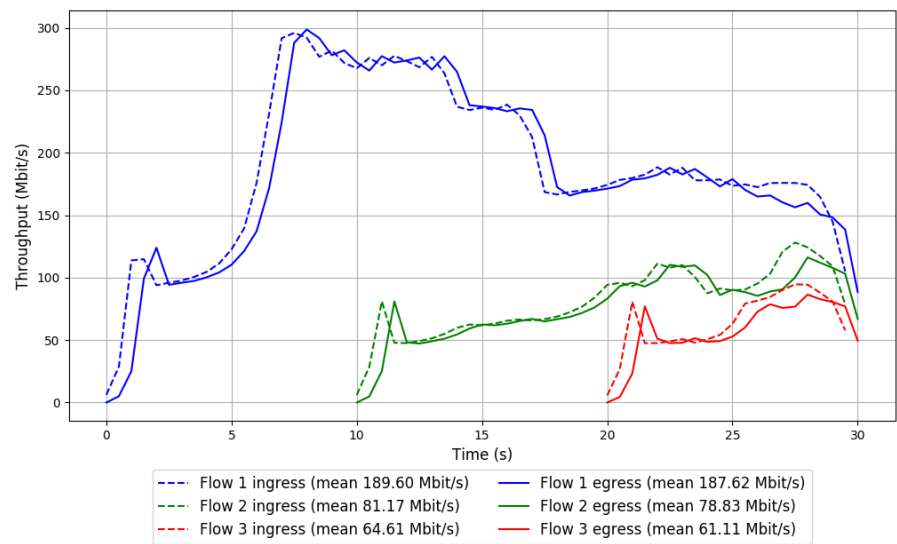
-- Flow 3:

Average throughput: 61.11 Mbit/s

95th percentile per-packet one-way delay: 259.044 ms

Loss rate: 6.38%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-02 06:03:37

End at: 2018-07-02 06:04:07

Local clock offset: -0.344 ms

Remote clock offset: 0.167 ms

Below is generated by plot.py at 2018-07-02 09:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 254.58 Mbit/s

95th percentile per-packet one-way delay: 78.224 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 172.87 Mbit/s

95th percentile per-packet one-way delay: 71.052 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 117.26 Mbit/s

95th percentile per-packet one-way delay: 81.278 ms

Loss rate: 0.48%

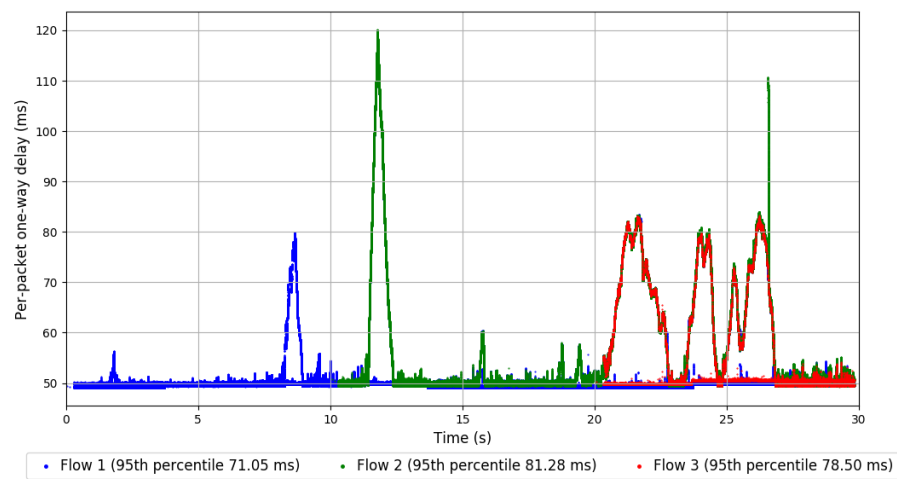
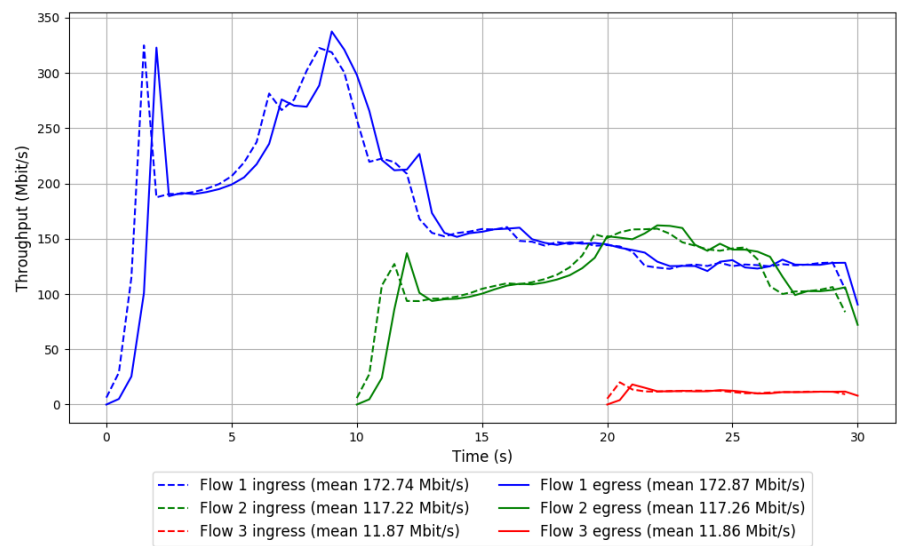
-- Flow 3:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 78.496 ms

Loss rate: 1.06%

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

Start at: 2018-07-02 06:26:50

End at: 2018-07-02 06:27:20

Local clock offset: -0.386 ms

Remote clock offset: 0.075 ms

Below is generated by plot.py at 2018-07-02 09:26:25

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.24 Mbit/s

95th percentile per-packet one-way delay: 226.482 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 164.43 Mbit/s

95th percentile per-packet one-way delay: 219.642 ms

Loss rate: 0.95%

-- Flow 2:

Average throughput: 122.47 Mbit/s

95th percentile per-packet one-way delay: 228.812 ms

Loss rate: 1.74%

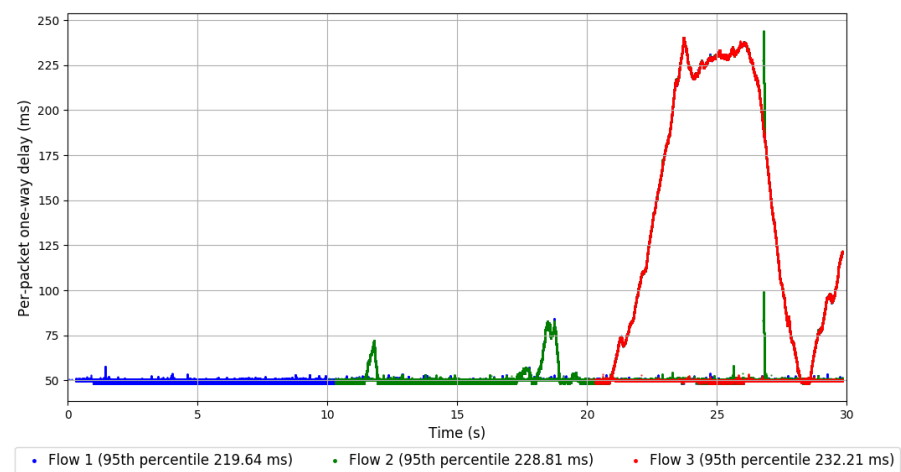
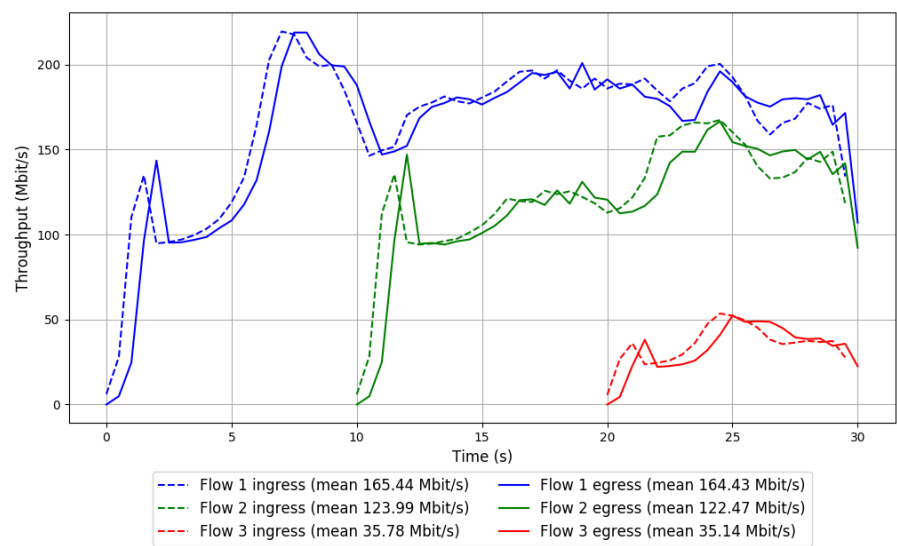
-- Flow 3:

Average throughput: 35.14 Mbit/s

95th percentile per-packet one-way delay: 232.206 ms

Loss rate: 2.83%

Run 7: Report of PCC-Expr — Data Link

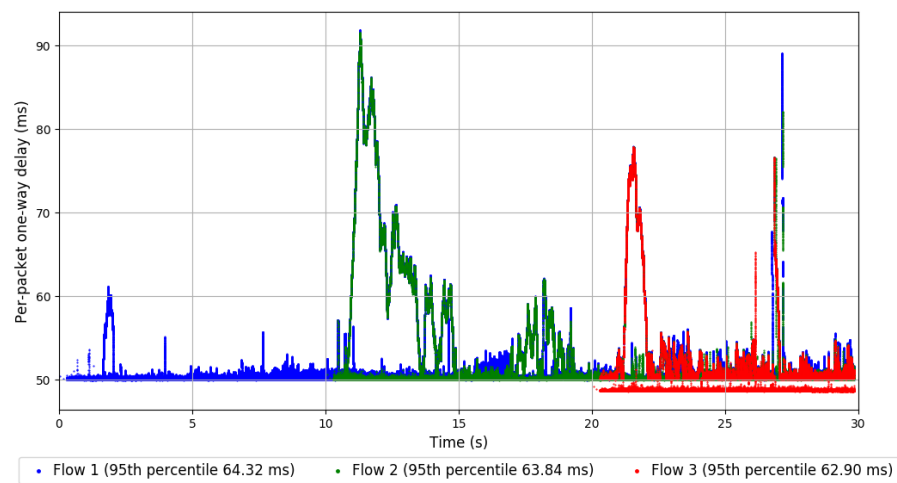
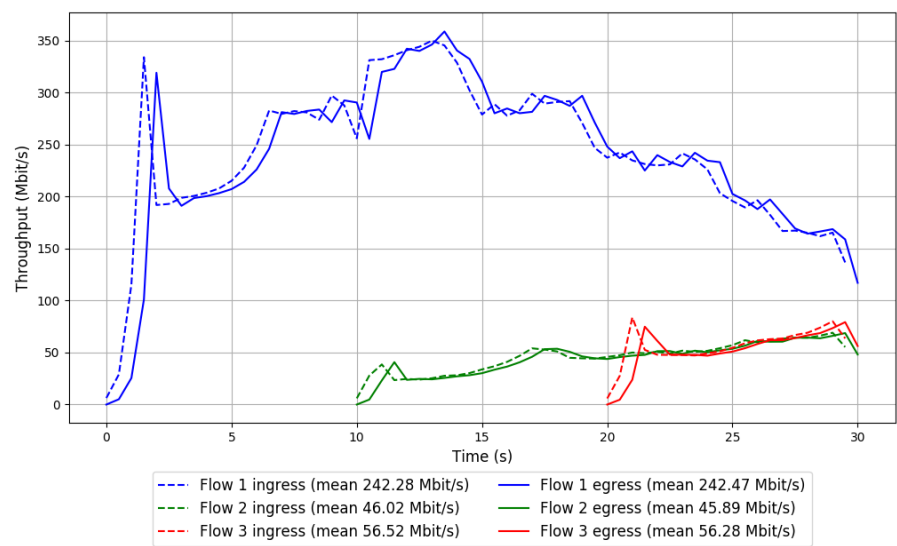


Run 8: Statistics of PCC-Expr

Start at: 2018-07-02 06:50:03
End at: 2018-07-02 06:50:33
Local clock offset: 0.004 ms
Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-07-02 09:26:25
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.39 Mbit/s
95th percentile per-packet one-way delay: 64.226 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 242.47 Mbit/s
95th percentile per-packet one-way delay: 64.317 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 63.845 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: 62.899 ms
Loss rate: 1.42%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-02 07:13:03

End at: 2018-07-02 07:13:33

Local clock offset: -0.04 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-02 09:28:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 272.77 Mbit/s

95th percentile per-packet one-way delay: 228.990 ms

Loss rate: 2.55%

-- Flow 1:

Average throughput: 198.09 Mbit/s

95th percentile per-packet one-way delay: 226.824 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 106.44 Mbit/s

95th percentile per-packet one-way delay: 230.933 ms

Loss rate: 4.10%

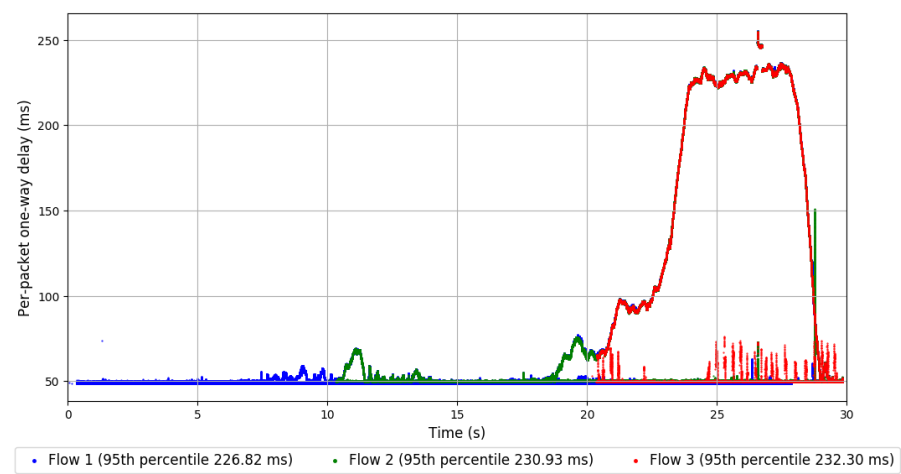
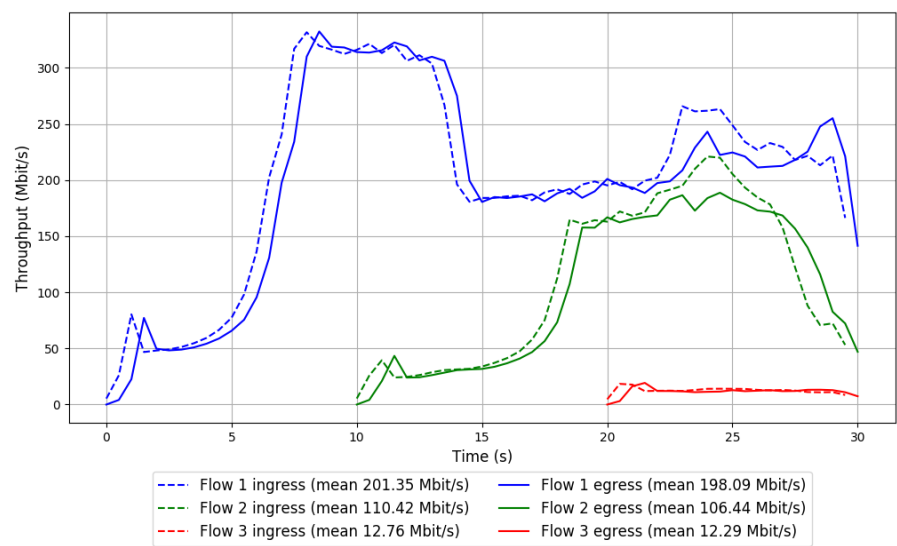
-- Flow 3:

Average throughput: 12.29 Mbit/s

95th percentile per-packet one-way delay: 232.303 ms

Loss rate: 4.61%

Run 9: Report of PCC-Expr — Data Link

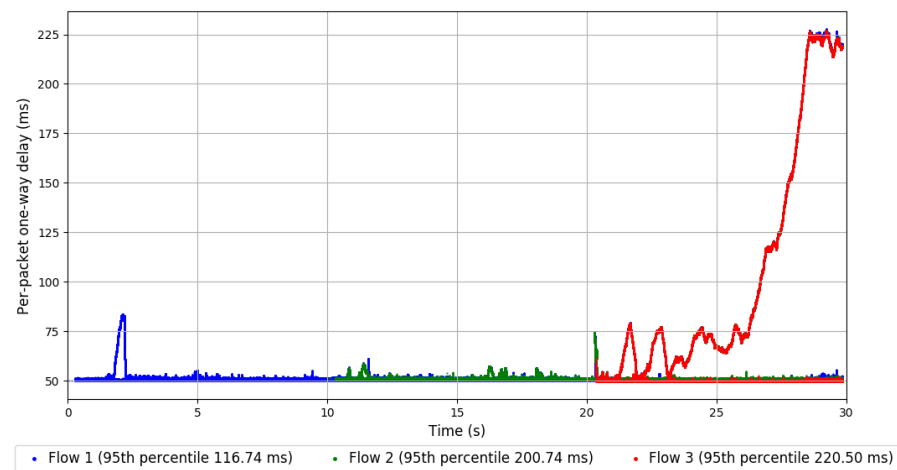
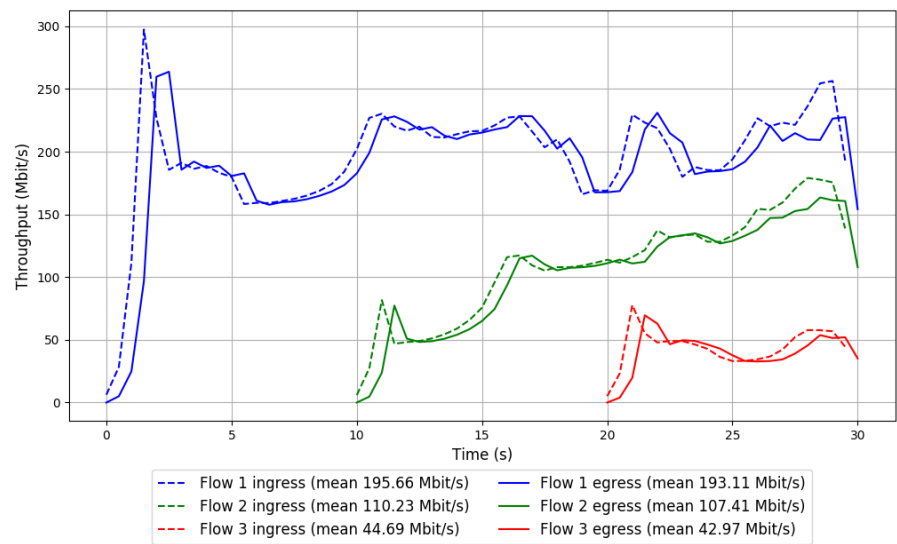


Run 10: Statistics of PCC-Expr

Start at: 2018-07-02 07:36:09
End at: 2018-07-02 07:36:39
Local clock offset: -0.041 ms
Remote clock offset: -0.141 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 278.48 Mbit/s
95th percentile per-packet one-way delay: 149.983 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 193.11 Mbit/s
95th percentile per-packet one-way delay: 116.736 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 107.41 Mbit/s
95th percentile per-packet one-way delay: 200.738 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 220.499 ms
Loss rate: 4.84%

Run 10: Report of PCC-Expr — Data Link

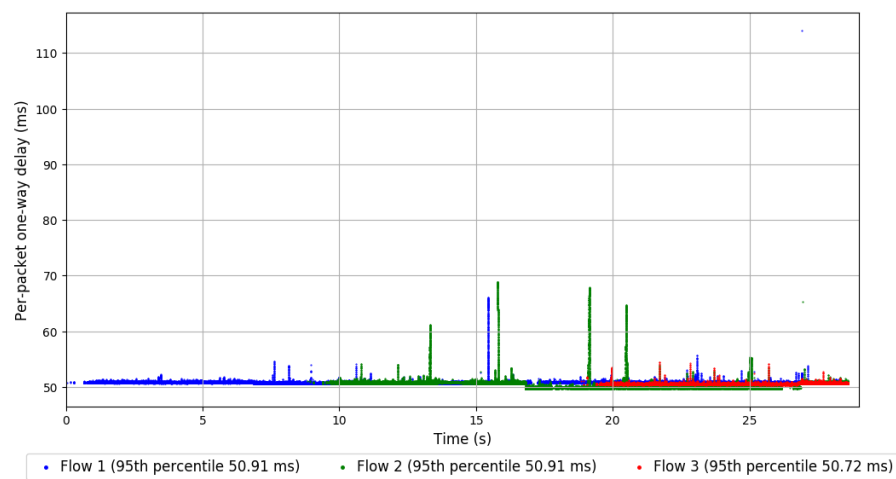
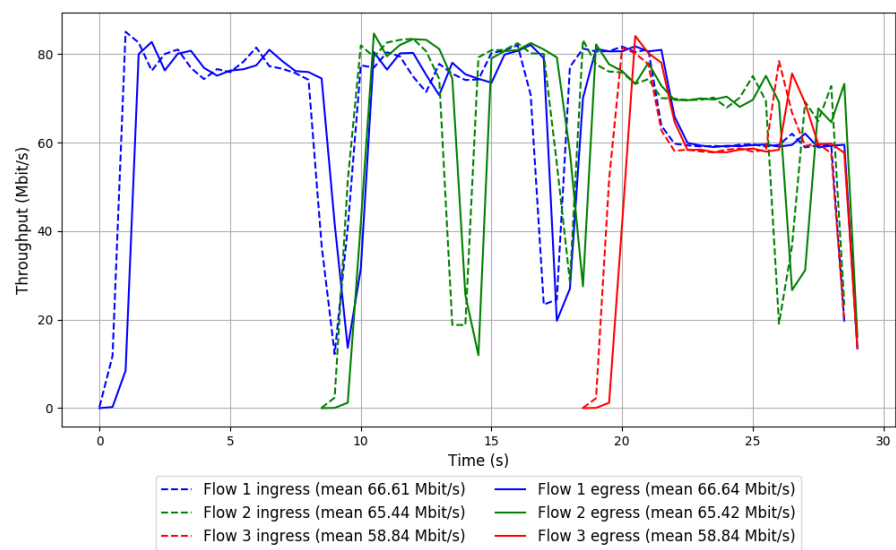


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-02 04:07:13
End at: 2018-07-02 04:07:43
Local clock offset: 0.041 ms
Remote clock offset: -0.032 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.12 Mbit/s
95th percentile per-packet one-way delay: 50.897 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 66.64 Mbit/s
95th percentile per-packet one-way delay: 50.911 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 50.908 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 58.84 Mbit/s
95th percentile per-packet one-way delay: 50.723 ms
Loss rate: 1.02%

Run 1: Report of QUIC Cubic — Data Link

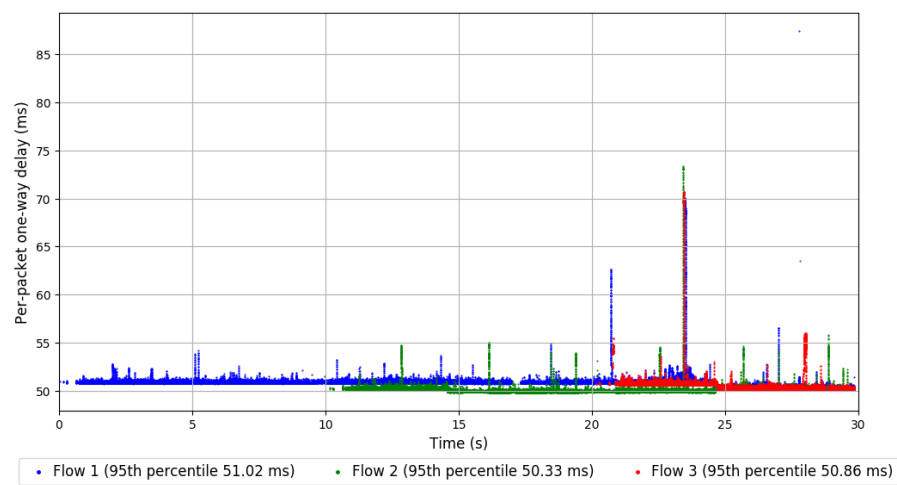
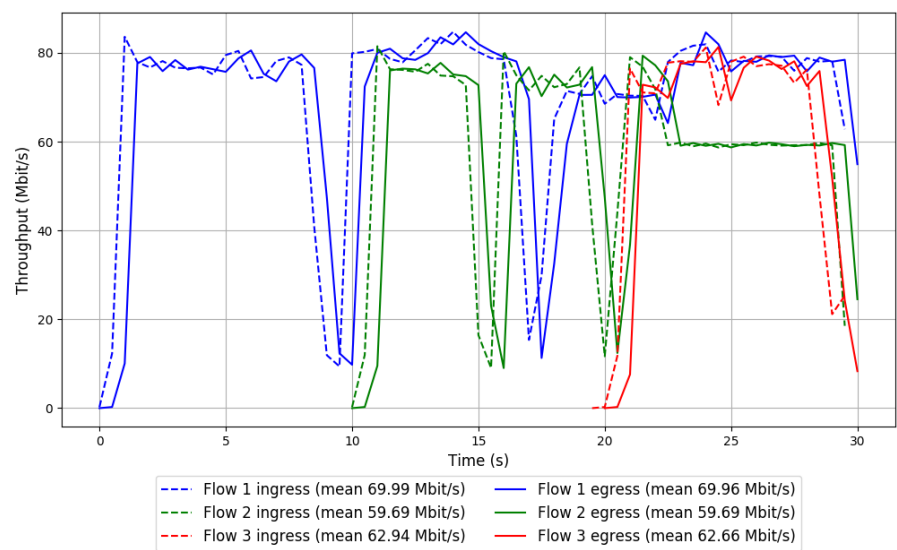


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-02 04:30:06
End at: 2018-07-02 04:30:36
Local clock offset: 0.106 ms
Remote clock offset: -0.199 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 129.91 Mbit/s
95th percentile per-packet one-way delay: 50.970 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.96 Mbit/s
95th percentile per-packet one-way delay: 51.019 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 59.69 Mbit/s
95th percentile per-packet one-way delay: 50.328 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.66 Mbit/s
95th percentile per-packet one-way delay: 50.863 ms
Loss rate: 1.46%

Run 2: Report of QUIC Cubic — Data Link

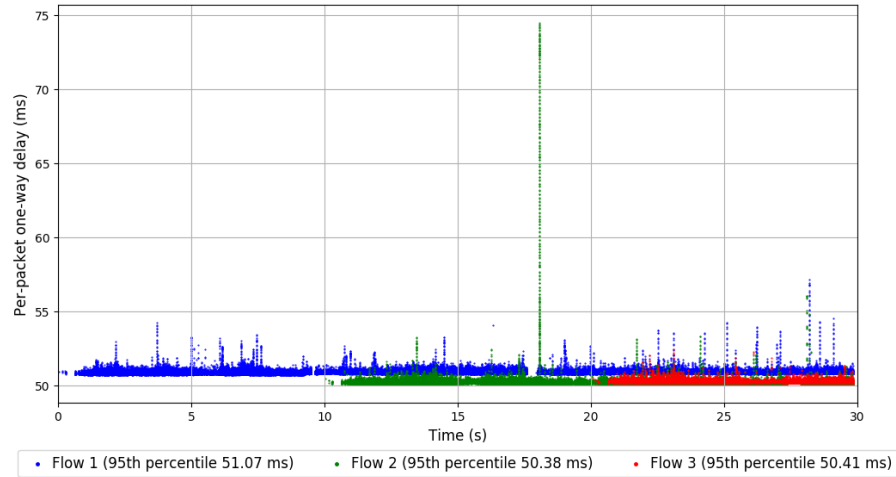
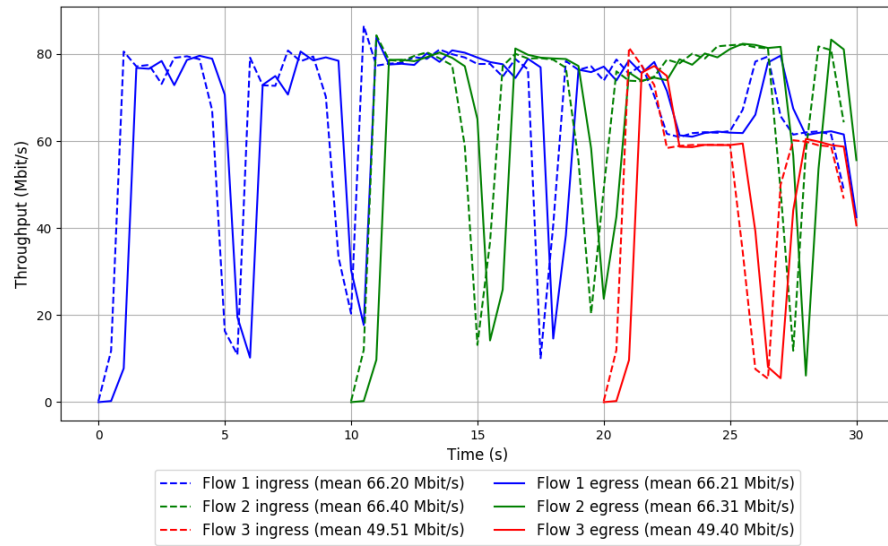


Run 3: Statistics of QUIC Cubic

Start at: 2018-07-02 04:53:11
End at: 2018-07-02 04:53:41
Local clock offset: 0.077 ms
Remote clock offset: -0.016 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 126.50 Mbit/s
95th percentile per-packet one-way delay: 51.008 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 66.21 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 50.378 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 50.411 ms
Loss rate: 1.24%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-02 05:16:17

End at: 2018-07-02 05:16:47

Local clock offset: 0.052 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.06 Mbit/s

95th percentile per-packet one-way delay: 50.867 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 67.09 Mbit/s

95th percentile per-packet one-way delay: 50.917 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 49.680 ms

Loss rate: 0.46%

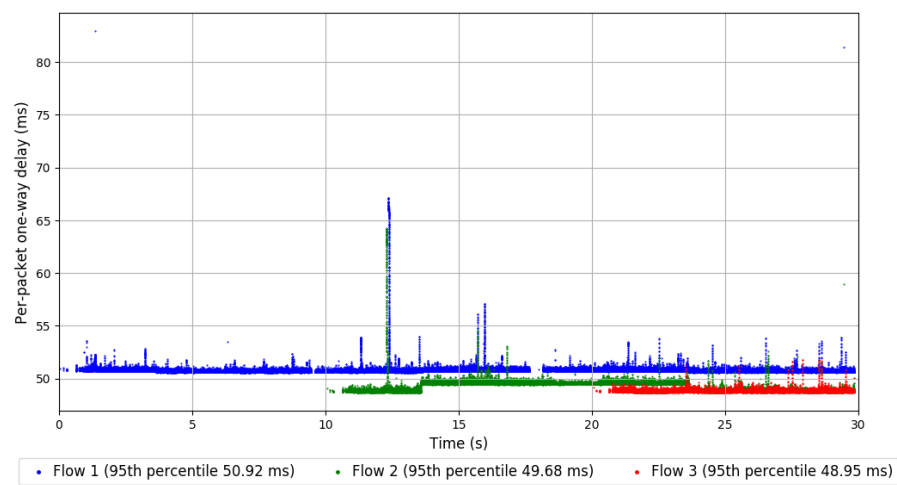
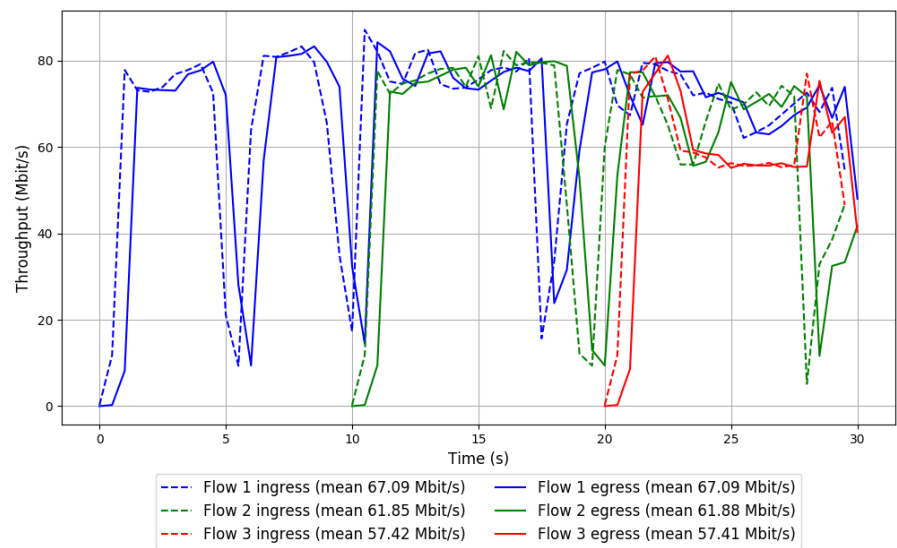
-- Flow 3:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 48.946 ms

Loss rate: 1.03%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-07-02 05:39:19

End at: 2018-07-02 05:39:49

Local clock offset: -0.358 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 124.94 Mbit/s

95th percentile per-packet one-way delay: 50.430 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 50.645 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 63.04 Mbit/s

95th percentile per-packet one-way delay: 50.259 ms

Loss rate: 0.45%

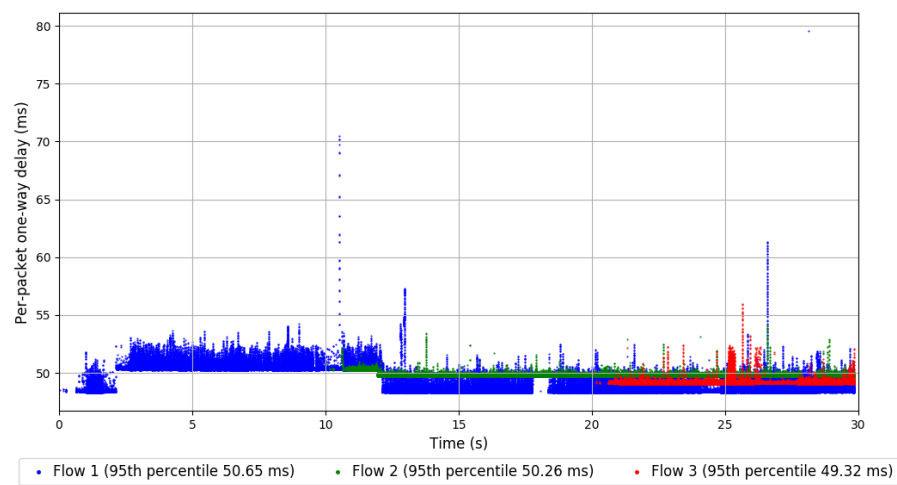
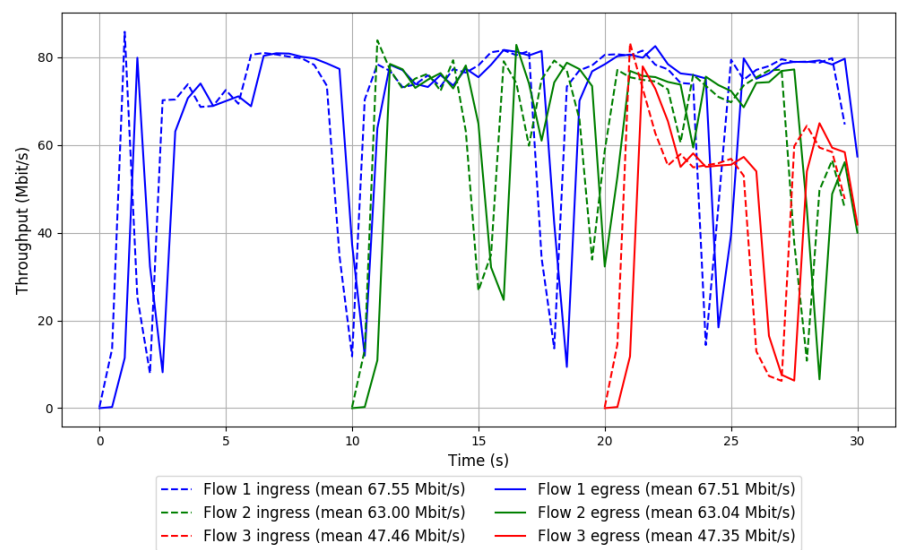
-- Flow 3:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 49.323 ms

Loss rate: 1.24%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-02 06:02:22

End at: 2018-07-02 06:02:52

Local clock offset: -0.353 ms

Remote clock offset: 0.159 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 125.29 Mbit/s

95th percentile per-packet one-way delay: 50.468 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 69.44 Mbit/s

95th percentile per-packet one-way delay: 50.512 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 49.896 ms

Loss rate: 0.12%

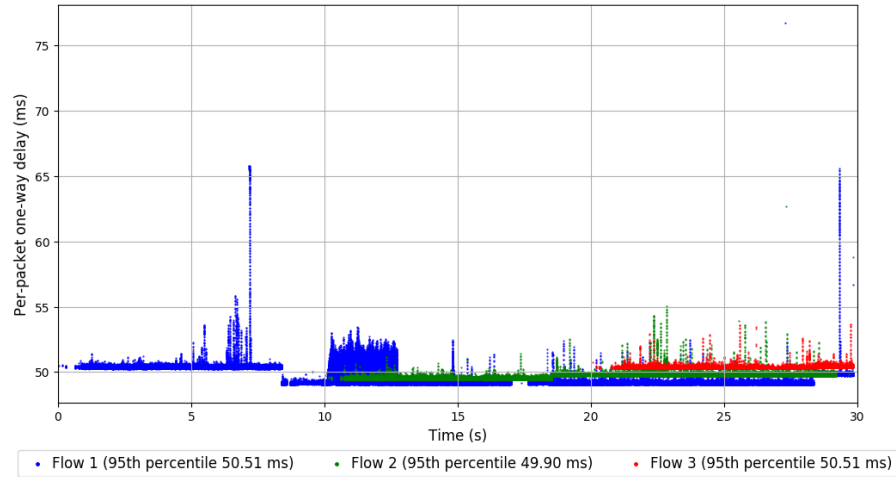
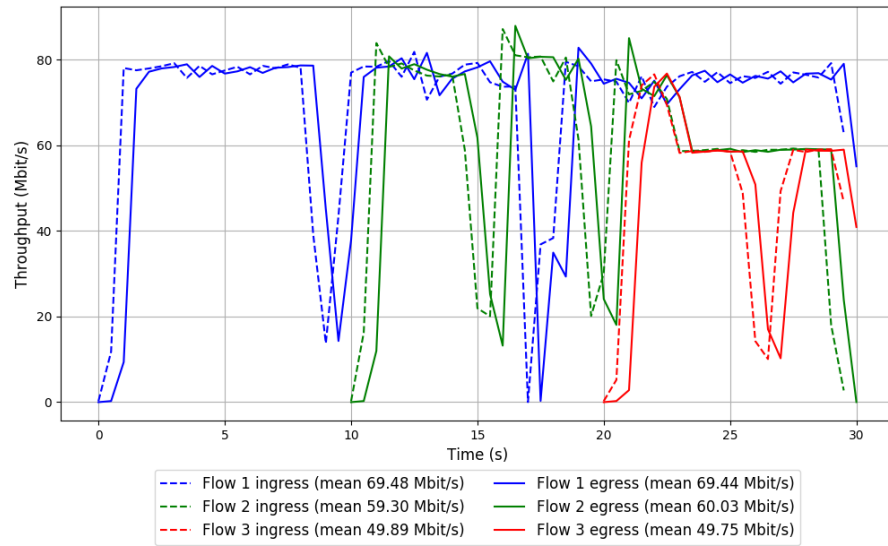
-- Flow 3:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: 50.514 ms

Loss rate: 1.21%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-07-02 06:25:34

End at: 2018-07-02 06:26:04

Local clock offset: 0.025 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.54 Mbit/s

95th percentile per-packet one-way delay: 50.330 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 67.99 Mbit/s

95th percentile per-packet one-way delay: 50.342 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 50.334 ms

Loss rate: 0.46%

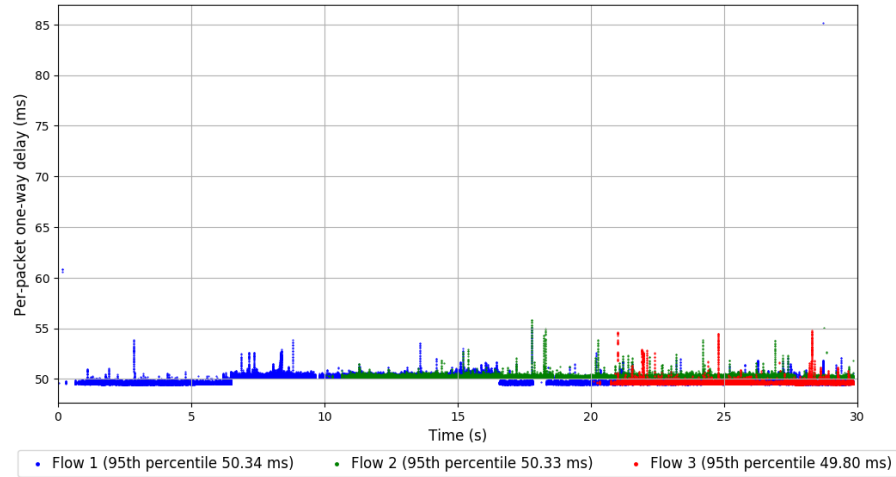
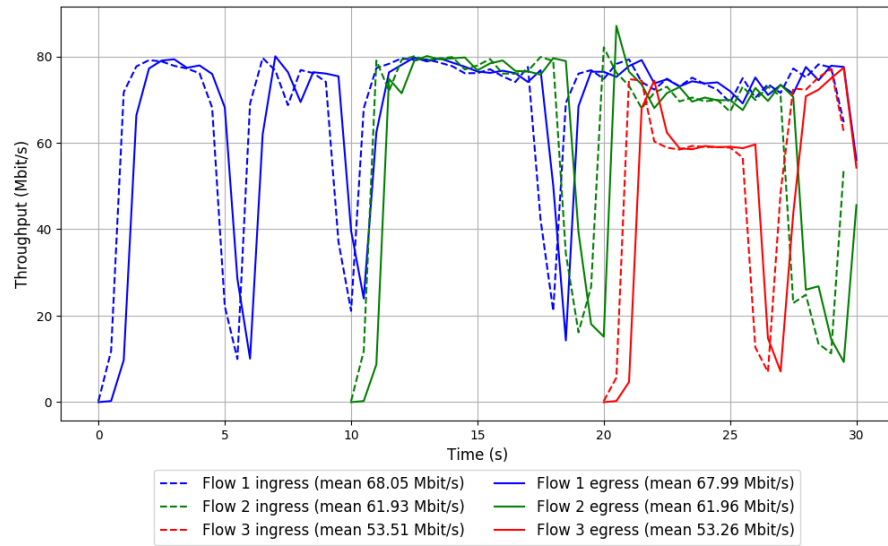
-- Flow 3:

Average throughput: 53.26 Mbit/s

95th percentile per-packet one-way delay: 49.795 ms

Loss rate: 1.48%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-02 06:48:47

End at: 2018-07-02 06:49:17

Local clock offset: -0.017 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 129.20 Mbit/s

95th percentile per-packet one-way delay: 50.273 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 66.11 Mbit/s

95th percentile per-packet one-way delay: 50.243 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 64.41 Mbit/s

95th percentile per-packet one-way delay: 50.308 ms

Loss rate: 0.63%

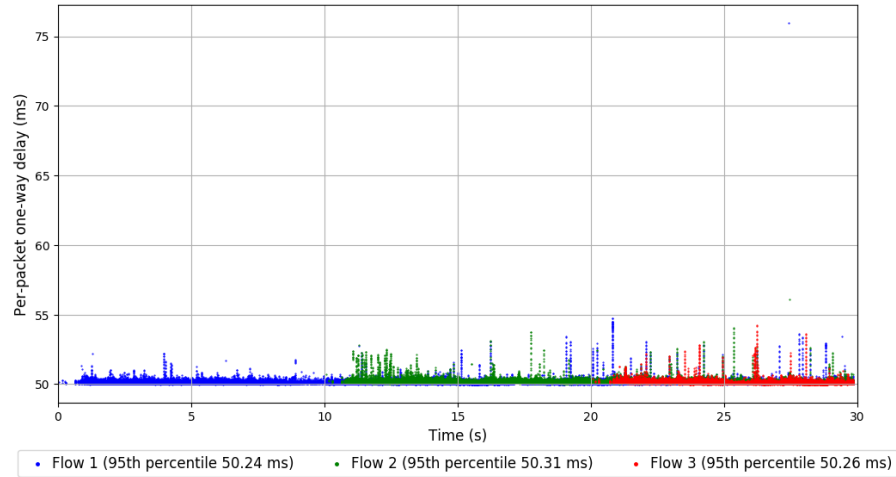
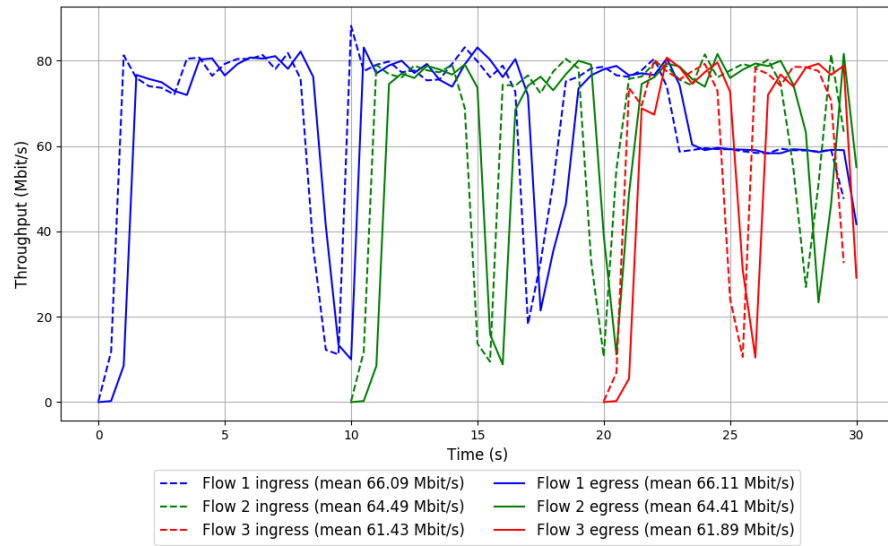
-- Flow 3:

Average throughput: 61.89 Mbit/s

95th percentile per-packet one-way delay: 50.255 ms

Loss rate: 0.28%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-02 07:11:48

End at: 2018-07-02 07:12:18

Local clock offset: -0.105 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.65 Mbit/s

95th percentile per-packet one-way delay: 49.763 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 69.79 Mbit/s

95th percentile per-packet one-way delay: 49.771 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 60.88 Mbit/s

95th percentile per-packet one-way delay: 49.773 ms

Loss rate: 0.74%

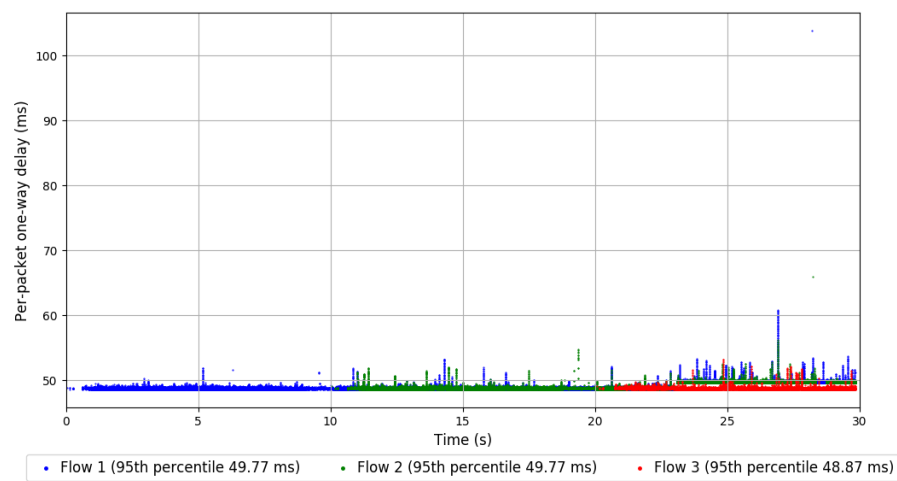
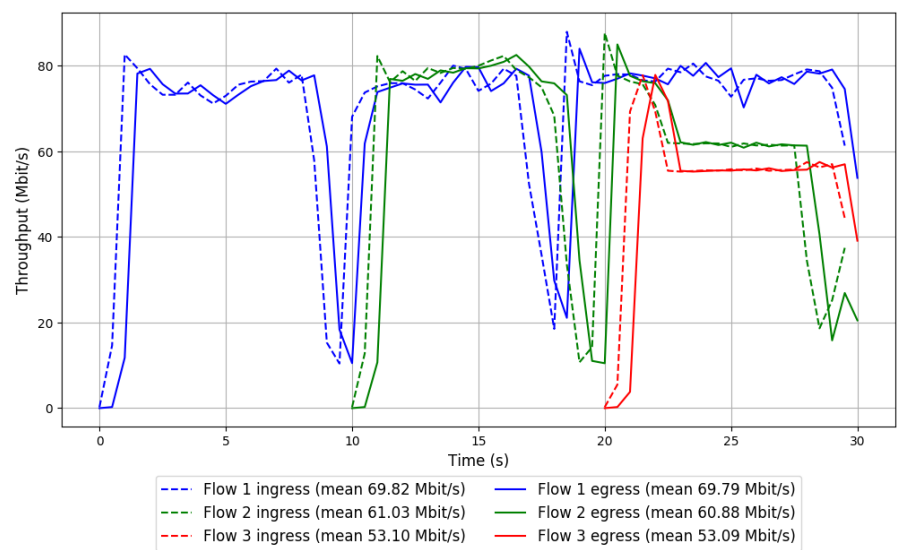
-- Flow 3:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 48.872 ms

Loss rate: 1.03%

Run 9: Report of QUIC Cubic — Data Link

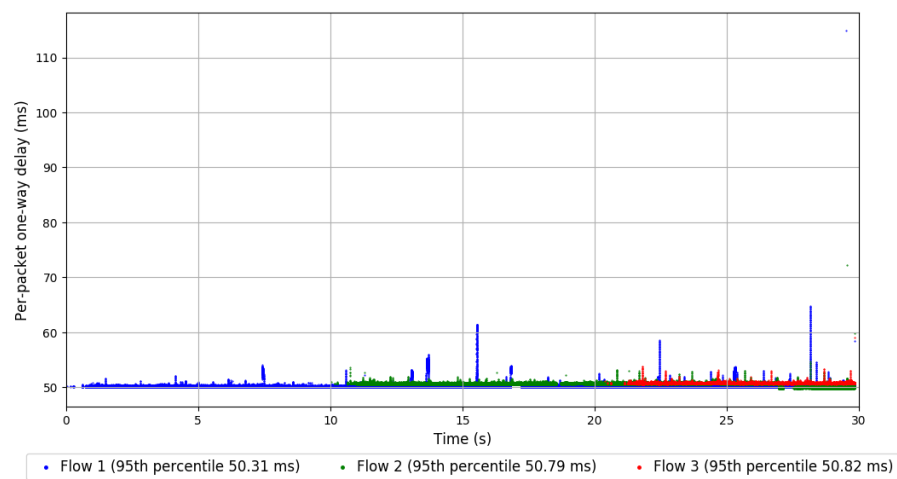
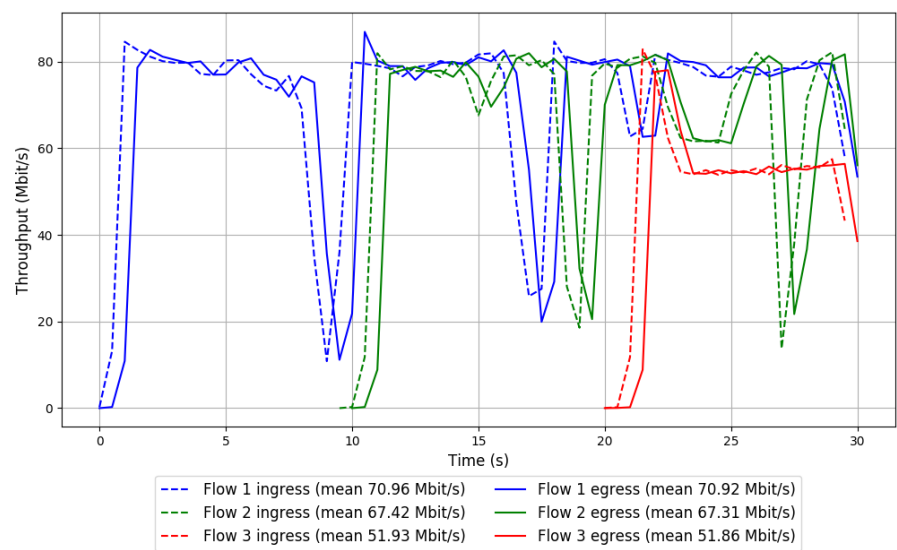


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-02 07:34:54
End at: 2018-07-02 07:35:24
Local clock offset: -0.081 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 132.13 Mbit/s
95th percentile per-packet one-way delay: 50.756 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 70.92 Mbit/s
95th percentile per-packet one-way delay: 50.310 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 67.31 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 51.86 Mbit/s
95th percentile per-packet one-way delay: 50.818 ms
Loss rate: 1.12%

Run 10: Report of QUIC Cubic — Data Link

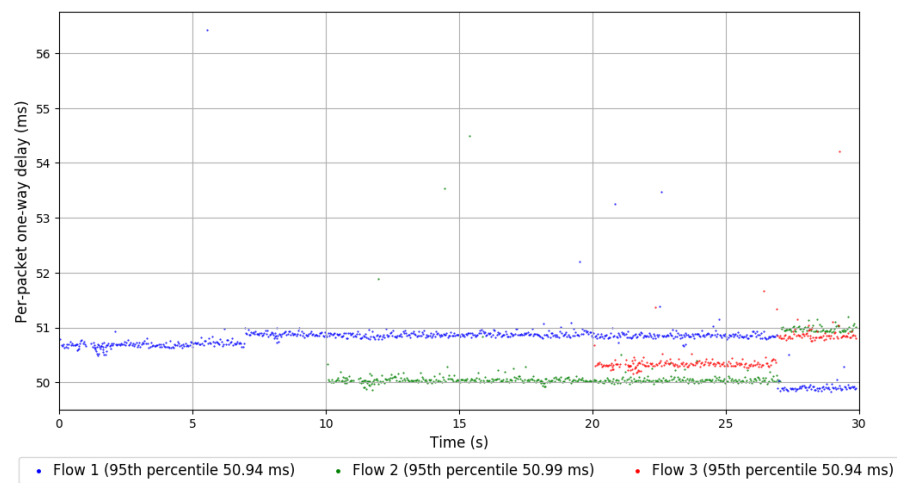
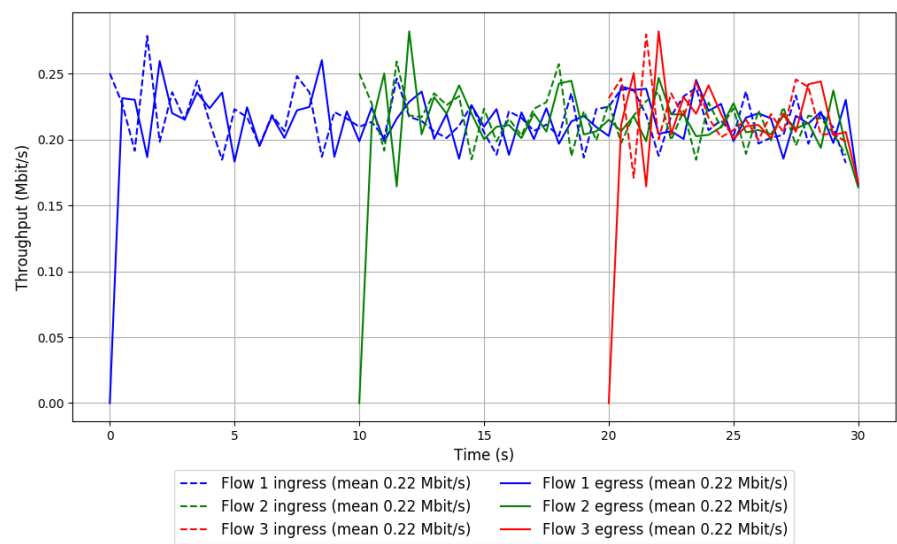


```
Run 1: Statistics of SReAM

Start at: 2018-07-02 04:12:24
End at: 2018-07-02 04:12:54
Local clock offset: 0.069 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-07-02 09:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.956 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.939 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.936 ms
Loss rate: 1.08%
```


Run 1: Report of SReAM — Data Link

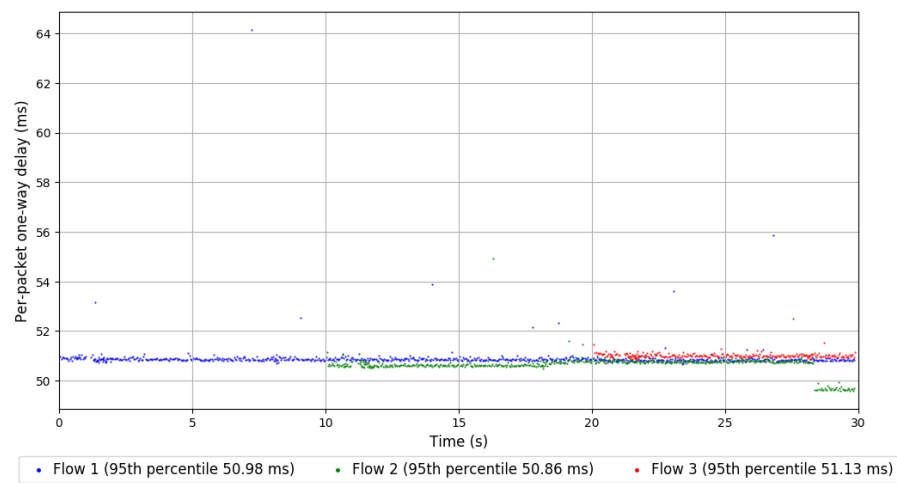
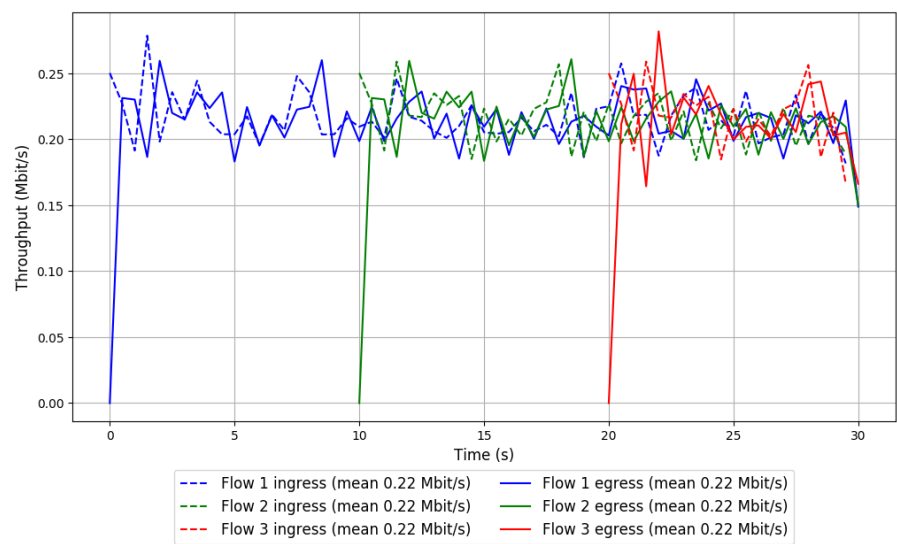


```
Run 2: Statistics of SReAM

Start at: 2018-07-02 04:35:22
End at: 2018-07-02 04:35:52
Local clock offset: 0.108 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2018-07-02 09:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.056 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.977 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.857 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 0.73%
```

Run 2: Report of SReAM — Data Link

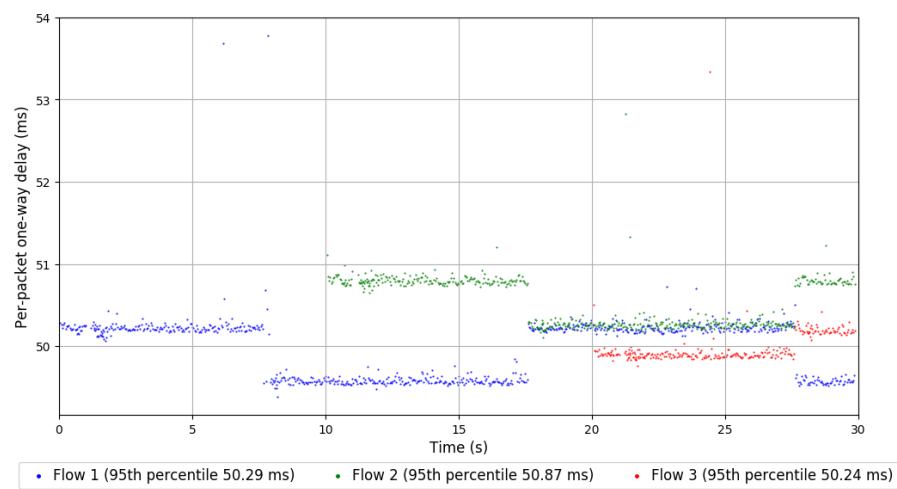
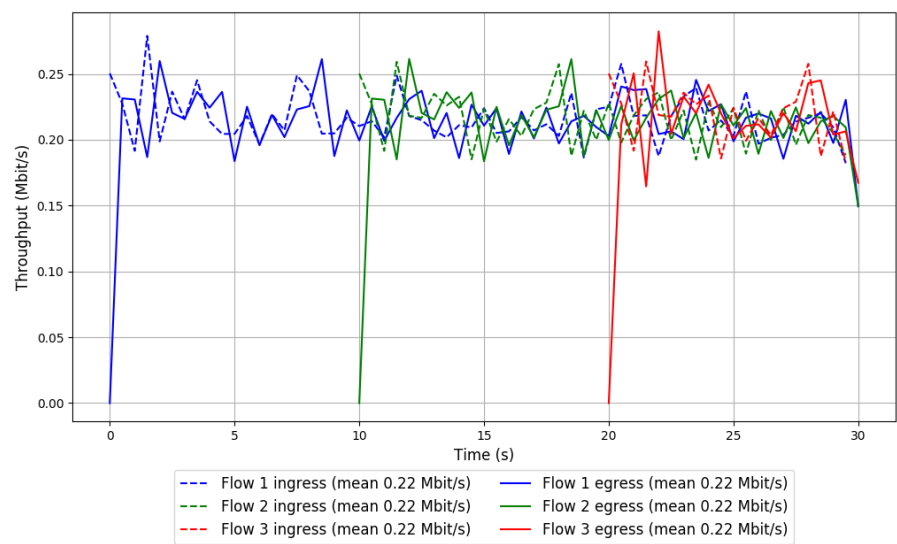


```
Run 3: Statistics of SReAM

Start at: 2018-07-02 04:58:23
End at: 2018-07-02 04:58:53
Local clock offset: 0.054 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-07-02 09:30:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.817 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.293 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.245 ms
Loss rate: 1.09%
```

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

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

End at: 2018-07-02 05:22:07

Local clock offset: 0.454 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.357 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.301 ms

Loss rate: 0.61%

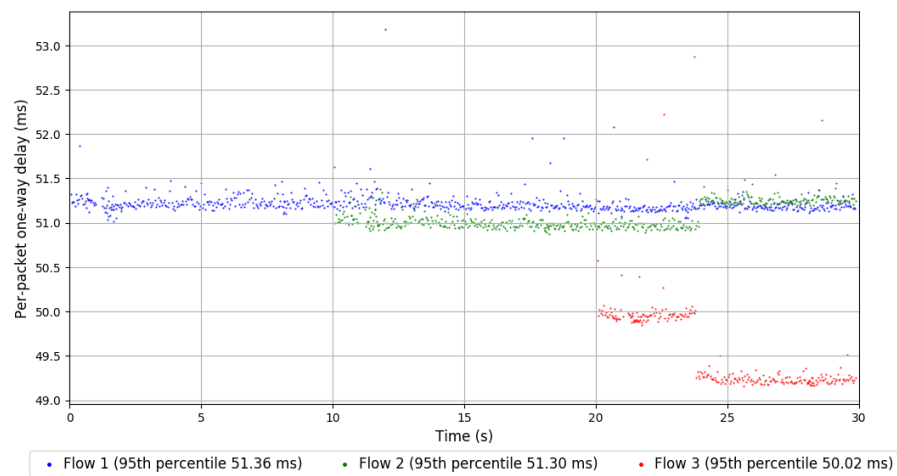
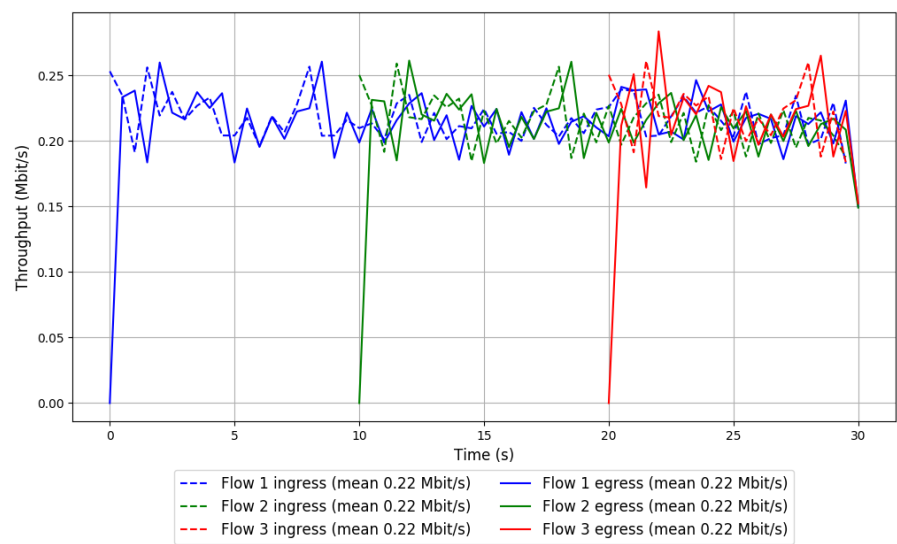
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.022 ms

Loss rate: 1.09%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-02 05:44:27

End at: 2018-07-02 05:44:57

Local clock offset: 0.068 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 51.059 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.092 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.921 ms

Loss rate: 0.61%

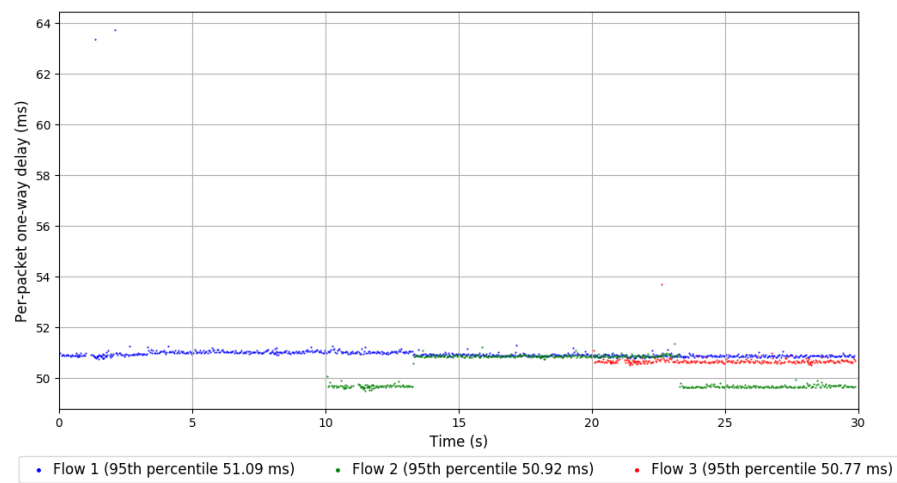
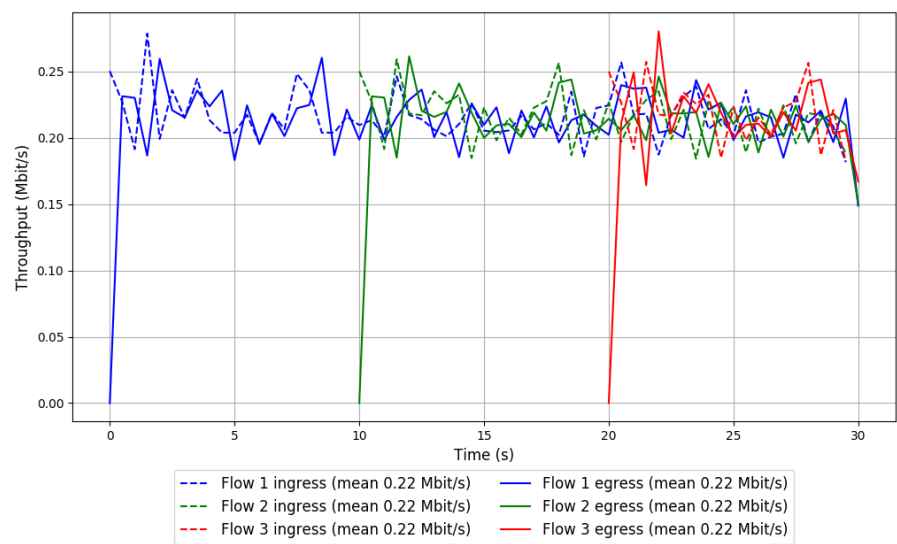
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.772 ms

Loss rate: 1.09%

Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-02 06:07:34

End at: 2018-07-02 06:08:04

Local clock offset: -0.348 ms

Remote clock offset: 0.218 ms

Below is generated by plot.py at 2018-07-02 09:30:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 49.953 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 49.684 ms

Loss rate: 3.47%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.012 ms

Loss rate: 0.61%

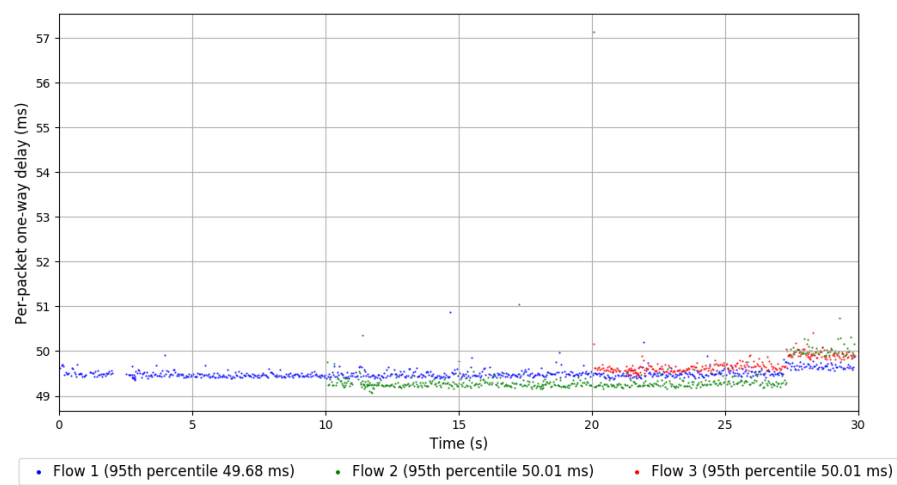
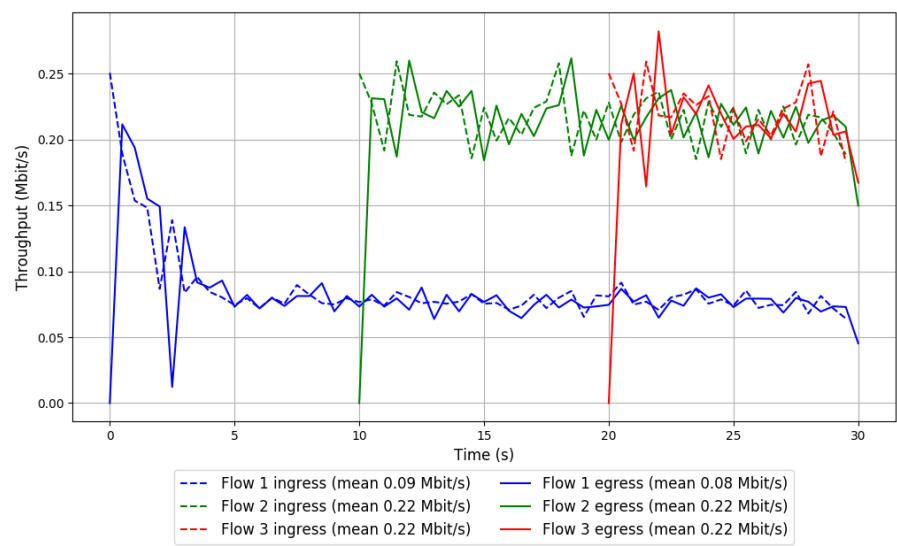
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.008 ms

Loss rate: 1.09%

Run 6: Report of SReAM — Data Link

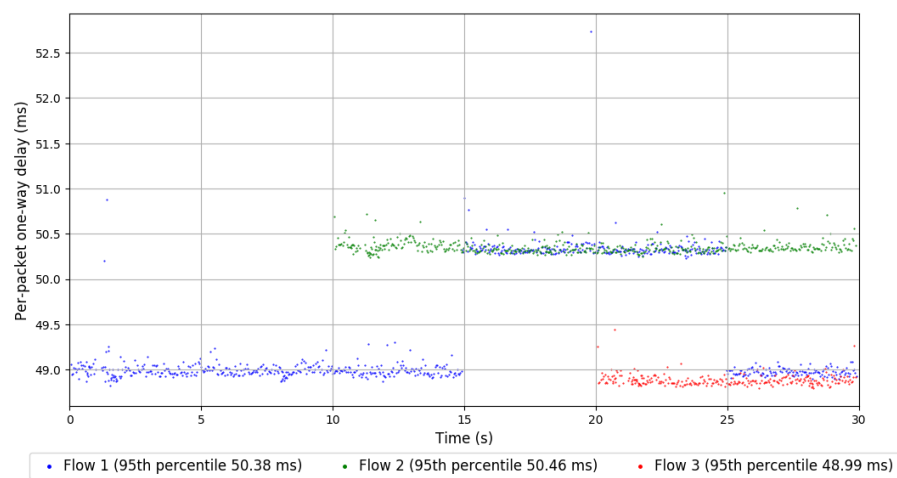
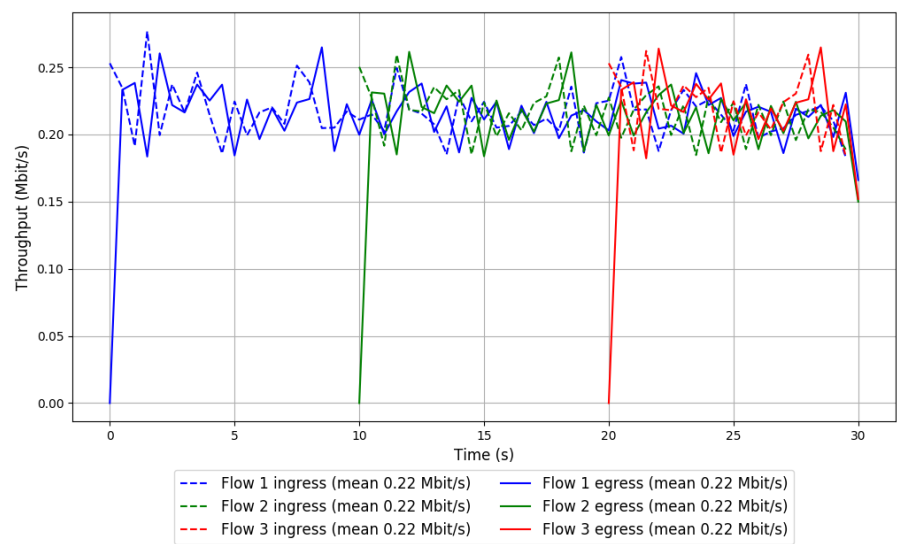


Run 7: Statistics of SReAM

Start at: 2018-07-02 06:30:56
End at: 2018-07-02 06:31:26
Local clock offset: -0.009 ms
Remote clock offset: -0.007 ms

Below is generated by plot.py at 2018-07-02 09:30:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.412 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.383 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.459 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.993 ms
Loss rate: 1.08%

Run 7: Report of SCReAM — Data Link

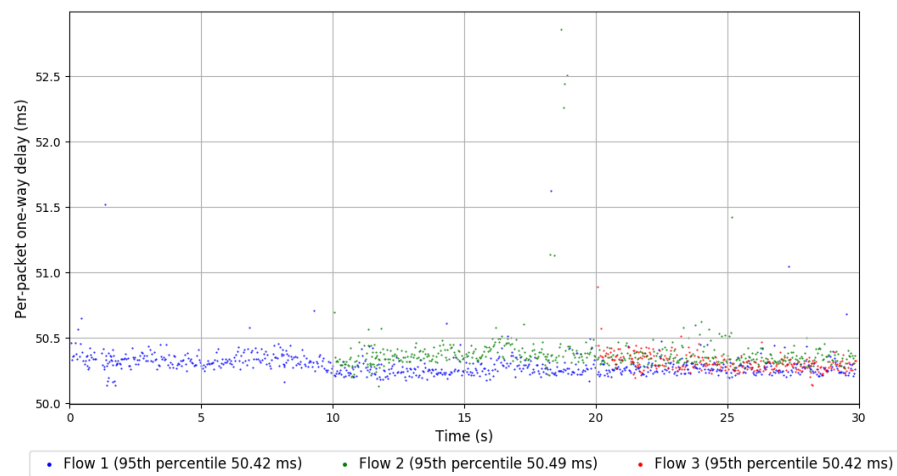
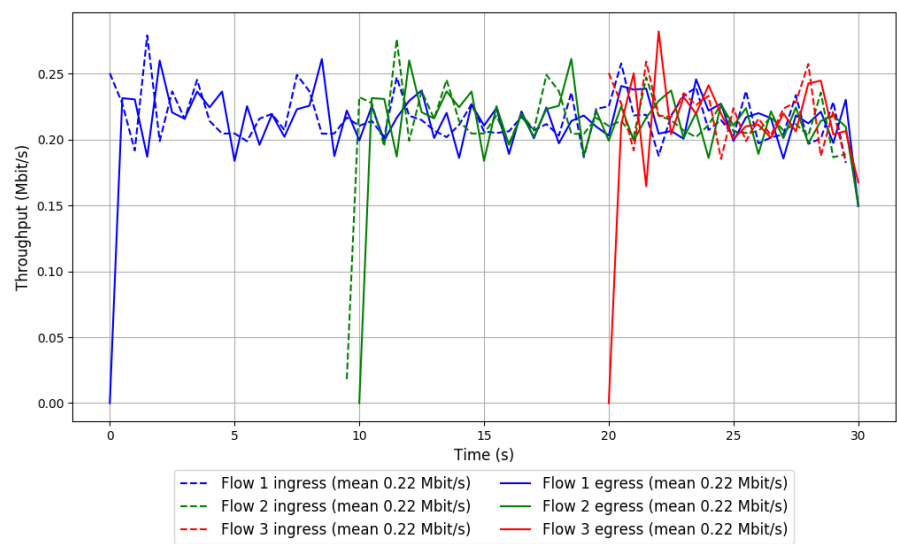


Run 8: Statistics of SReAM

Start at: 2018-07-02 06:53:59
End at: 2018-07-02 06:54:29
Local clock offset: 0.001 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-02 09:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 50.446 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.418 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.494 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.423 ms
Loss rate: 1.09%

Run 8: Report of SCRaM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-02 07:16:59

End at: 2018-07-02 07:17:29

Local clock offset: -0.06 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-02 09:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 50.333 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 50.102 ms

Loss rate: 2.95%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.402 ms

Loss rate: 0.39%

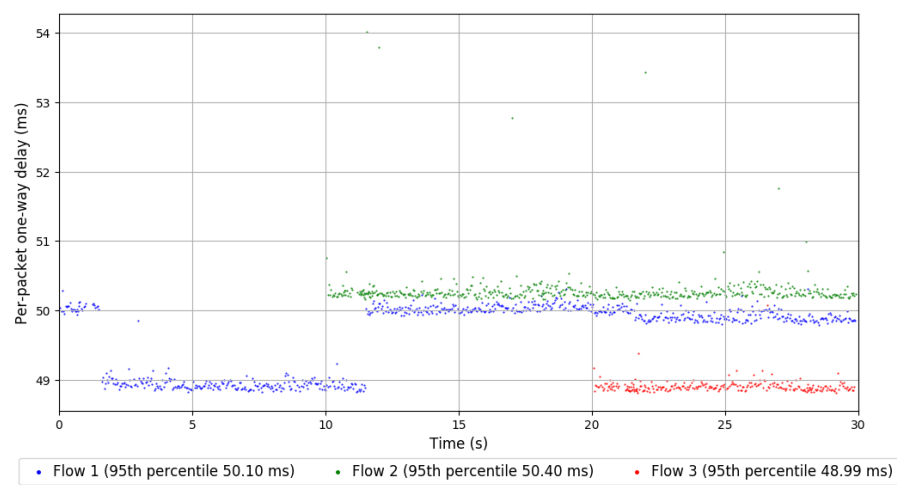
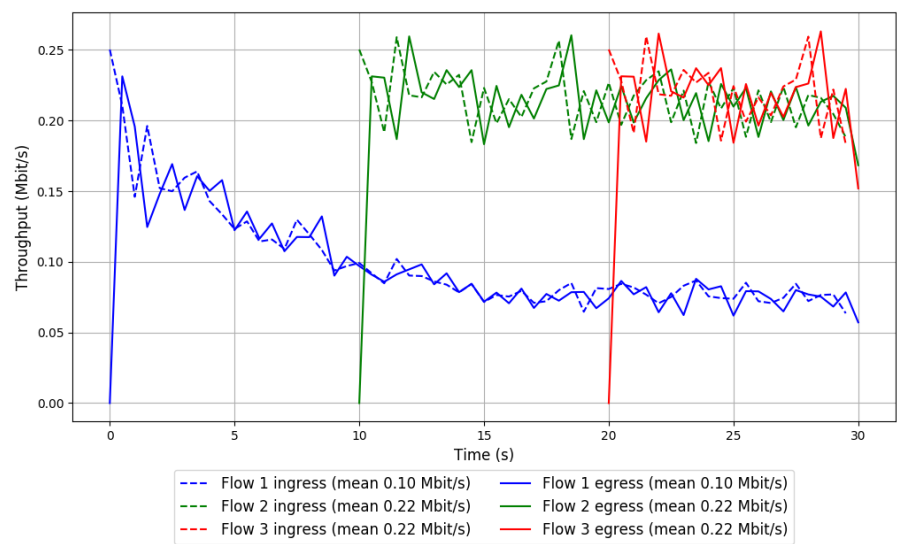
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.994 ms

Loss rate: 1.09%

Run 9: Report of SReAM — Data Link

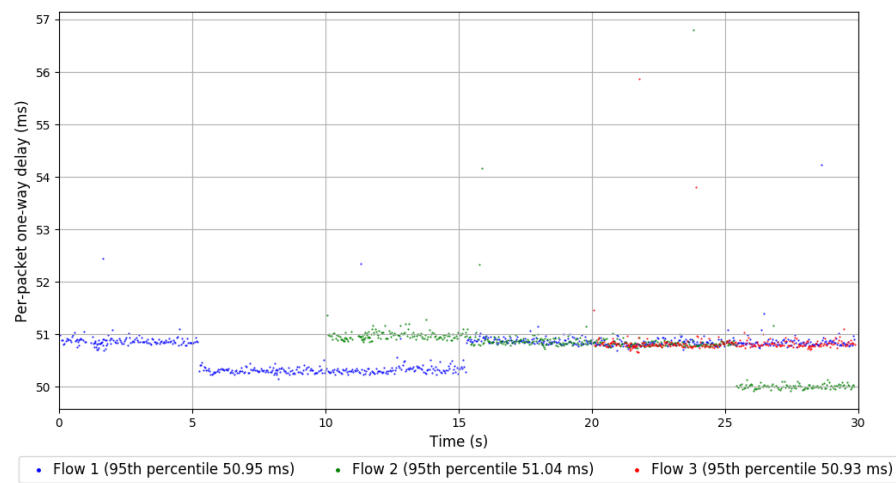
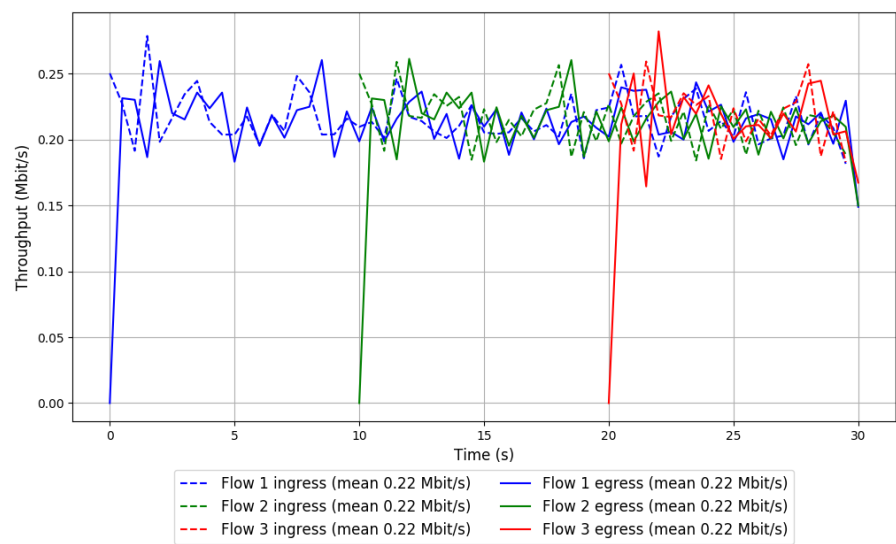


Run 10: Statistics of SReAM

Start at: 2018-07-02 07:40:06
End at: 2018-07-02 07:40:36
Local clock offset: -0.115 ms
Remote clock offset: -0.204 ms

Below is generated by plot.py at 2018-07-02 09:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 51.005 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 51.037 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.932 ms
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link

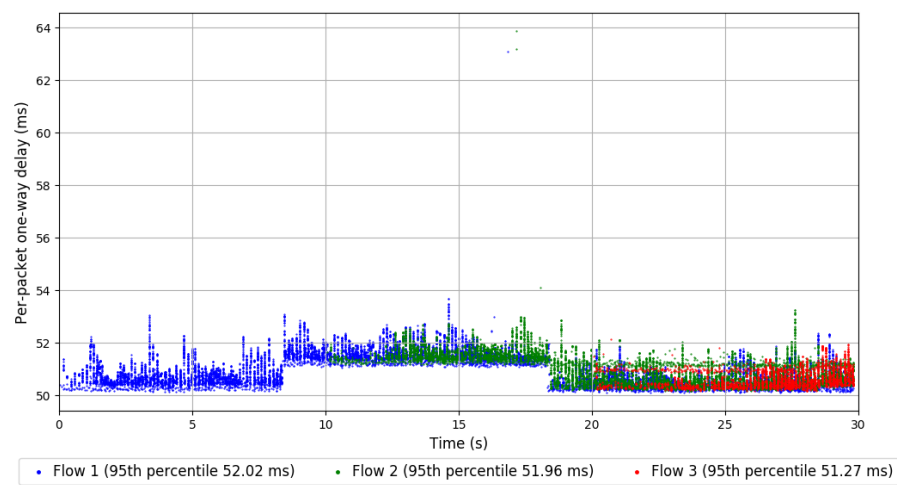
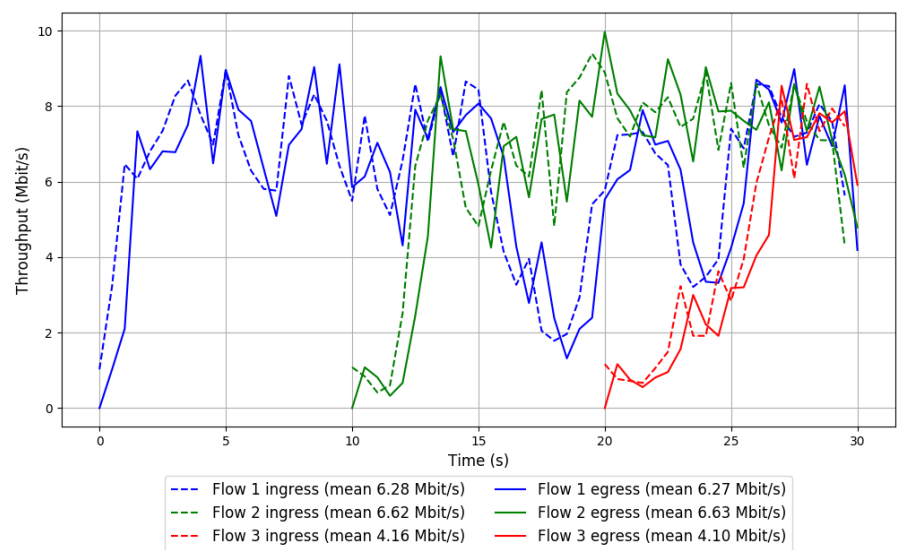


Run 1: Statistics of Sprout

Start at: 2018-07-02 04:20:12
End at: 2018-07-02 04:20:42
Local clock offset: 0.459 ms
Remote clock offset: -0.178 ms

Below is generated by plot.py at 2018-07-02 09:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 51.963 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: 52.024 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 51.958 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 4.10 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 2.64%

Run 1: Report of Sprout — Data Link

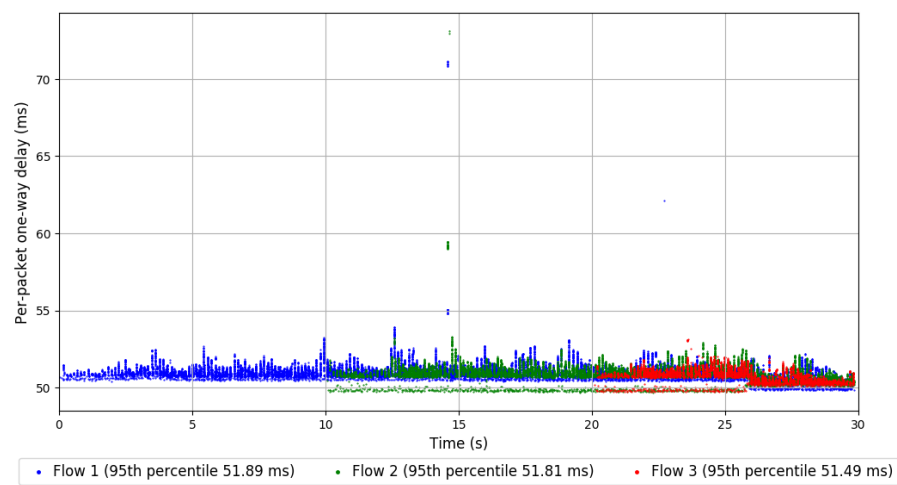
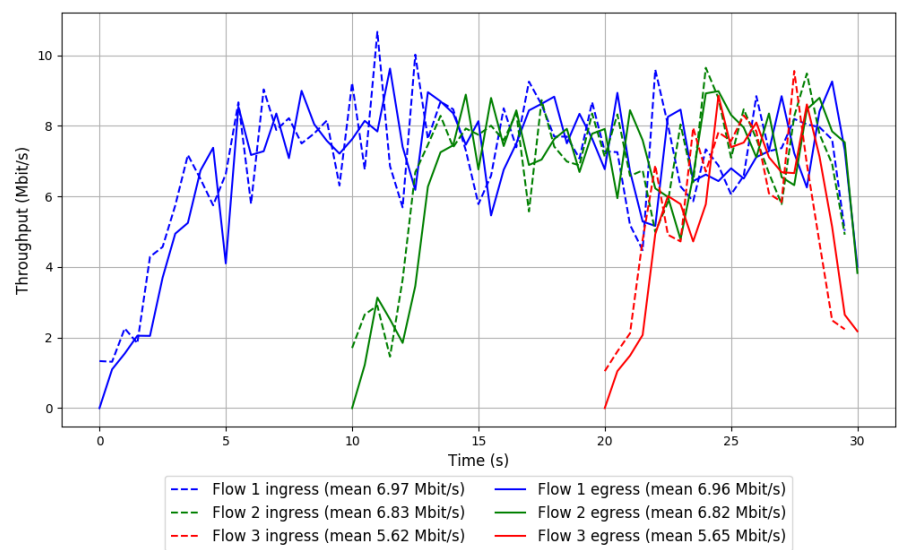


Run 2: Statistics of Sprout

Start at: 2018-07-02 04:43:15
End at: 2018-07-02 04:43:45
Local clock offset: 0.061 ms
Remote clock offset: -0.066 ms

Below is generated by plot.py at 2018-07-02 09:30:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.33 Mbit/s
95th percentile per-packet one-way delay: 51.806 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 51.894 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 6.82 Mbit/s
95th percentile per-packet one-way delay: 51.806 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 51.491 ms
Loss rate: 0.16%

Run 2: Report of Sprout — Data Link

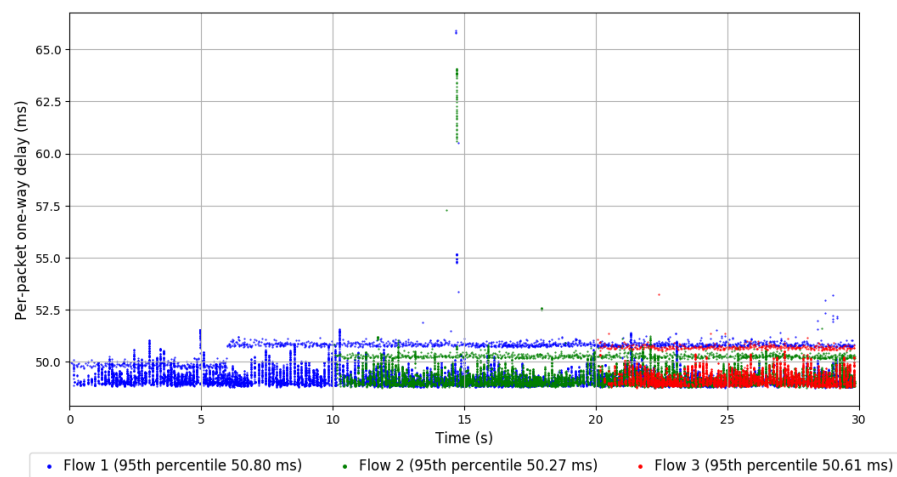
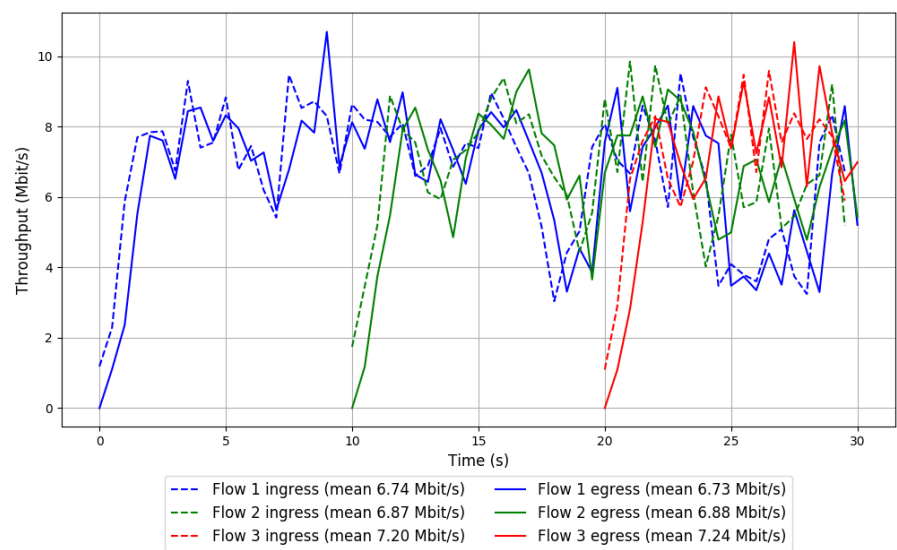


Run 3: Statistics of Sprout

Start at: 2018-07-02 05:06:15
End at: 2018-07-02 05:06:45
Local clock offset: 0.057 ms
Remote clock offset: 0.054 ms

```
# Below is generated by plot.py at 2018-07-02 09:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.66 Mbit/s
95th percentile per-packet one-way delay: 50.675 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.73 Mbit/s
95th percentile per-packet one-way delay: 50.802 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 50.275 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.41%
```


Run 3: Report of Sprout — Data Link

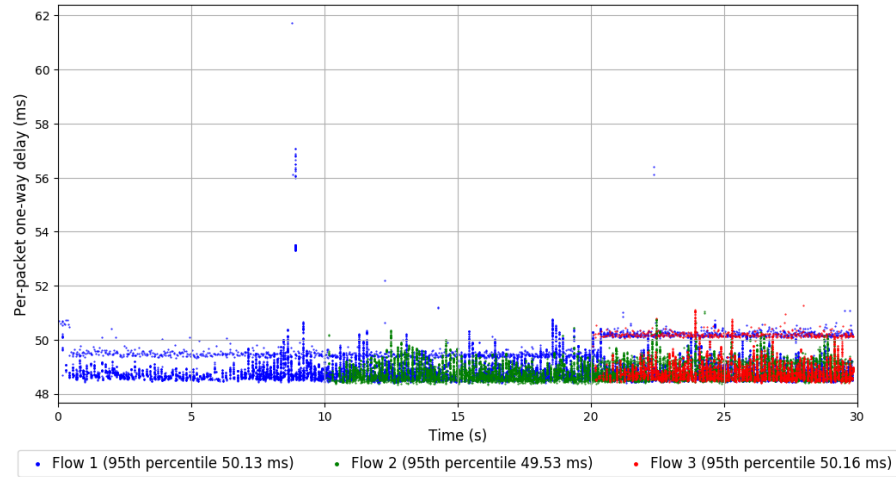
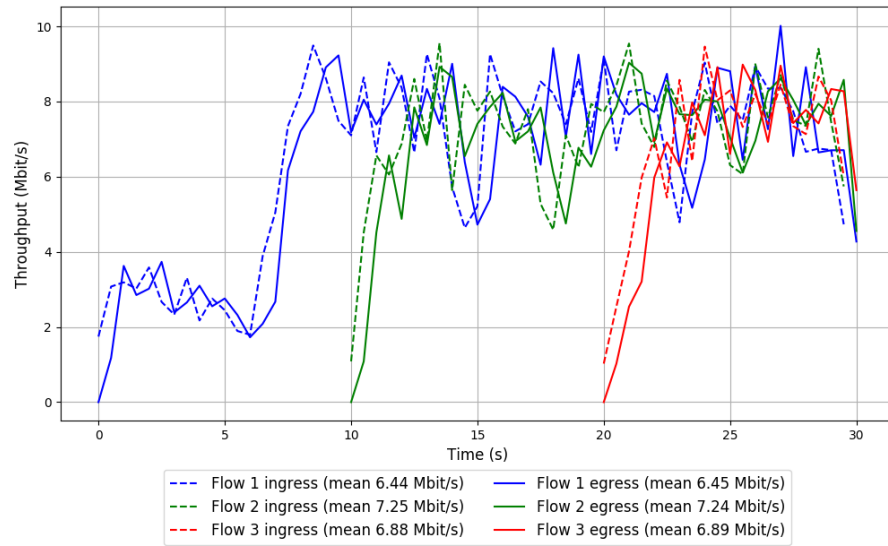


Run 4: Statistics of Sprout

Start at: 2018-07-02 05:29:21
End at: 2018-07-02 05:29:51
Local clock offset: -0.296 ms
Remote clock offset: 0.044 ms

```
# Below is generated by plot.py at 2018-07-02 09:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 49.963 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 50.129 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 7.24 Mbit/s
95th percentile per-packet one-way delay: 49.526 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 50.165 ms
Loss rate: 0.59%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-07-02 05:52:18

End at: 2018-07-02 05:52:48

Local clock offset: -0.35 ms

Remote clock offset: 0.093 ms

Below is generated by plot.py at 2018-07-02 09:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.41 Mbit/s

95th percentile per-packet one-way delay: 51.172 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 51.324 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 50.501 ms

Loss rate: 0.33%

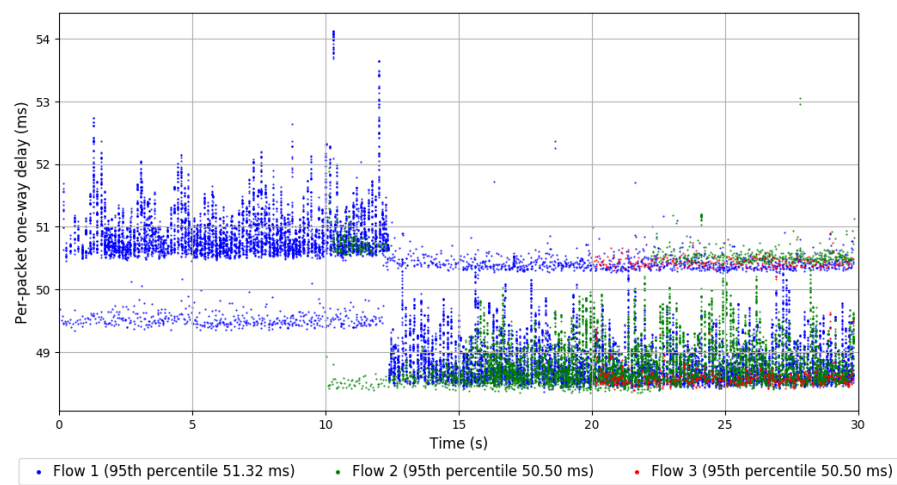
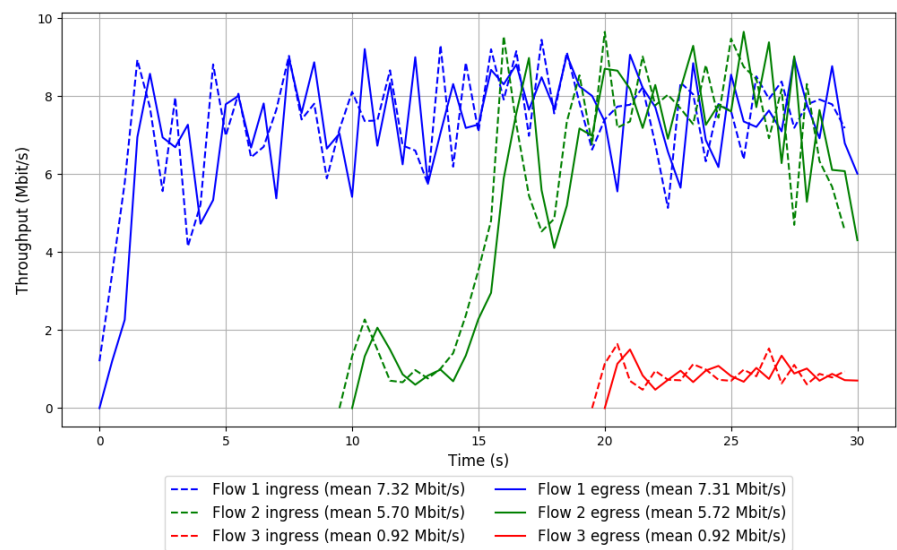
-- Flow 3:

Average throughput: 0.92 Mbit/s

95th percentile per-packet one-way delay: 50.496 ms

Loss rate: 1.68%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-02 06:15:27

End at: 2018-07-02 06:15:57

Local clock offset: -0.303 ms

Remote clock offset: 0.261 ms

Below is generated by plot.py at 2018-07-02 09:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 50.665 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 6.73 Mbit/s

95th percentile per-packet one-way delay: 50.605 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 50.798 ms

Loss rate: 0.14%

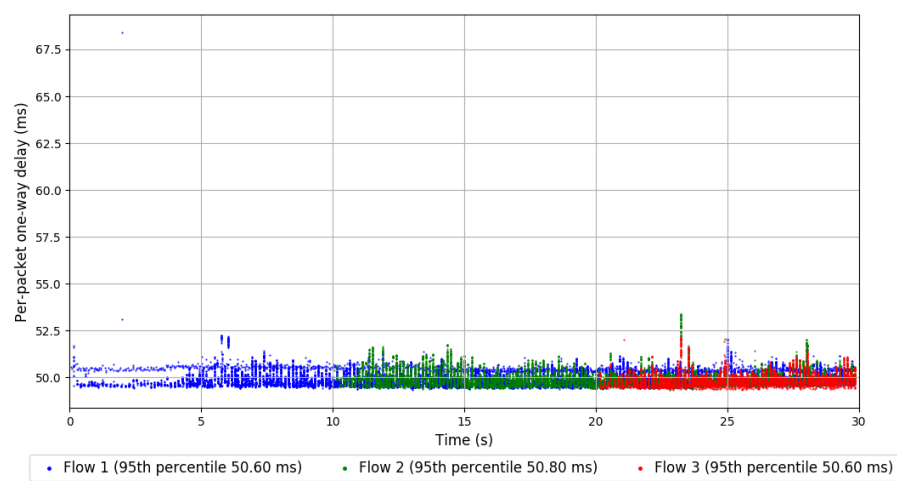
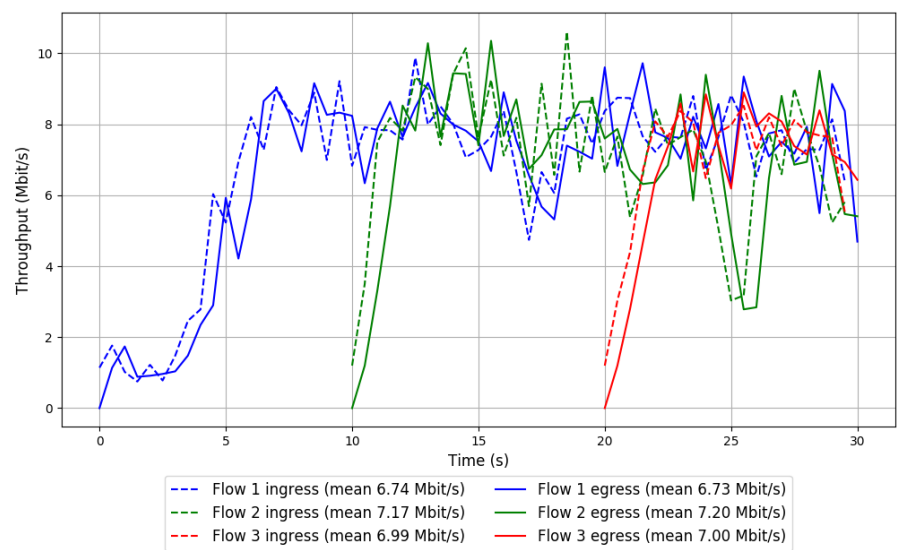
-- Flow 3:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 50.603 ms

Loss rate: 0.72%

Run 6: Report of Sprout — Data Link

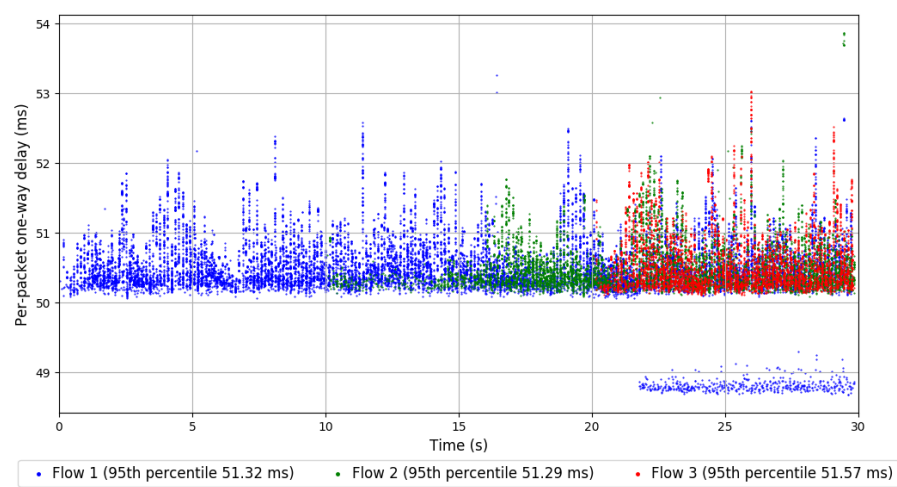
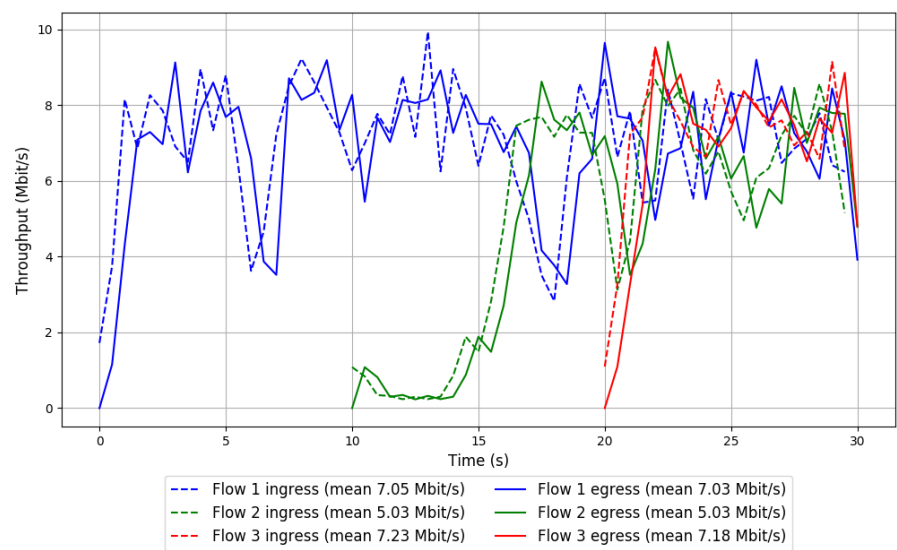


Run 7: Statistics of Sprout

Start at: 2018-07-02 06:38:49
End at: 2018-07-02 06:39:19
Local clock offset: -0.002 ms
Remote clock offset: 0.024 ms

```
# Below is generated by plot.py at 2018-07-02 09:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 51.343 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 51.320 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 5.03 Mbit/s
95th percentile per-packet one-way delay: 51.289 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 7.18 Mbit/s
95th percentile per-packet one-way delay: 51.569 ms
Loss rate: 1.62%
```


Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-02 07:01:49

End at: 2018-07-02 07:02:19

Local clock offset: -0.03 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at 2018-07-02 09:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.80 Mbit/s

95th percentile per-packet one-way delay: 51.507 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 51.506 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 51.543 ms

Loss rate: 0.71%

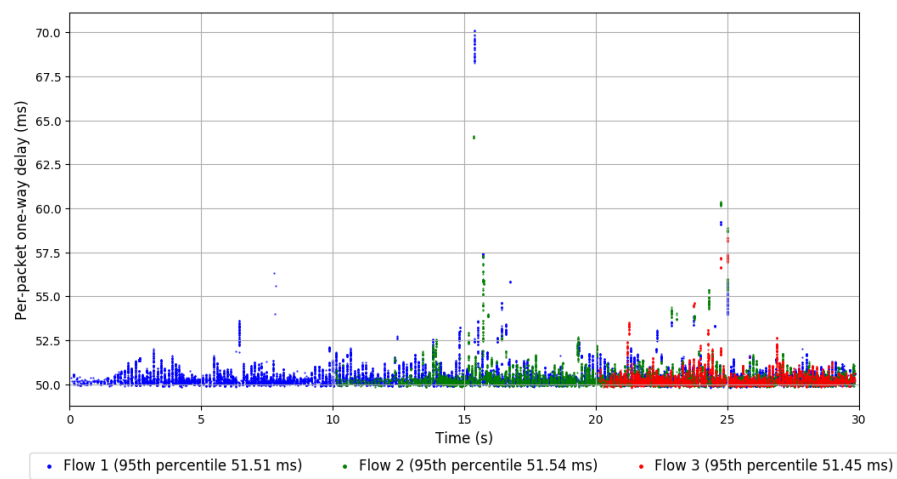
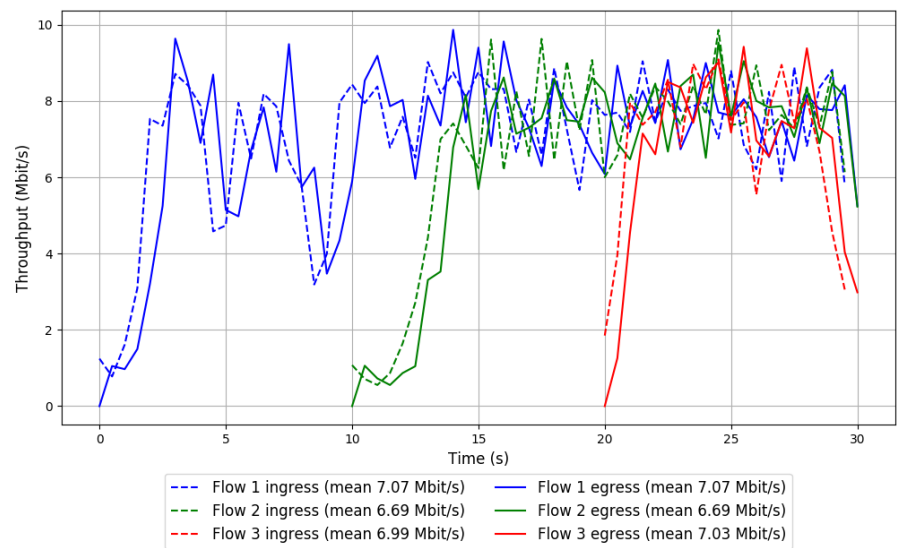
-- Flow 3:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 51.452 ms

Loss rate: 0.73%

Run 8: Report of Sprout — Data Link

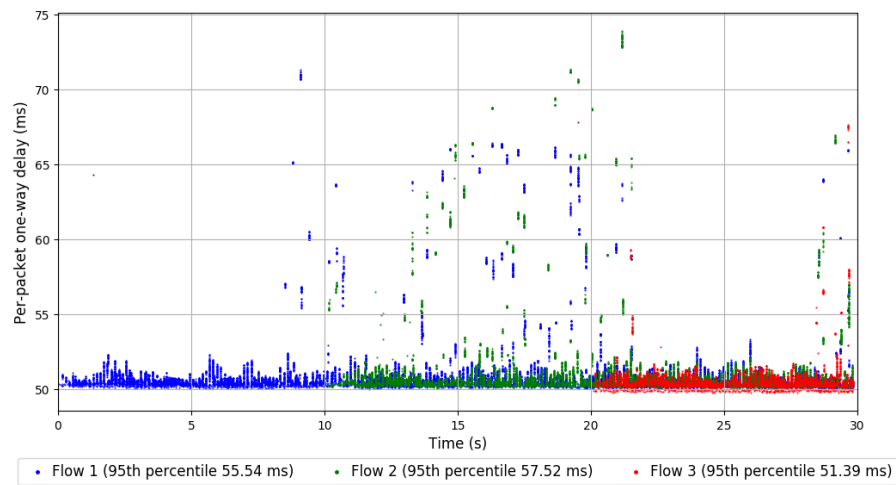
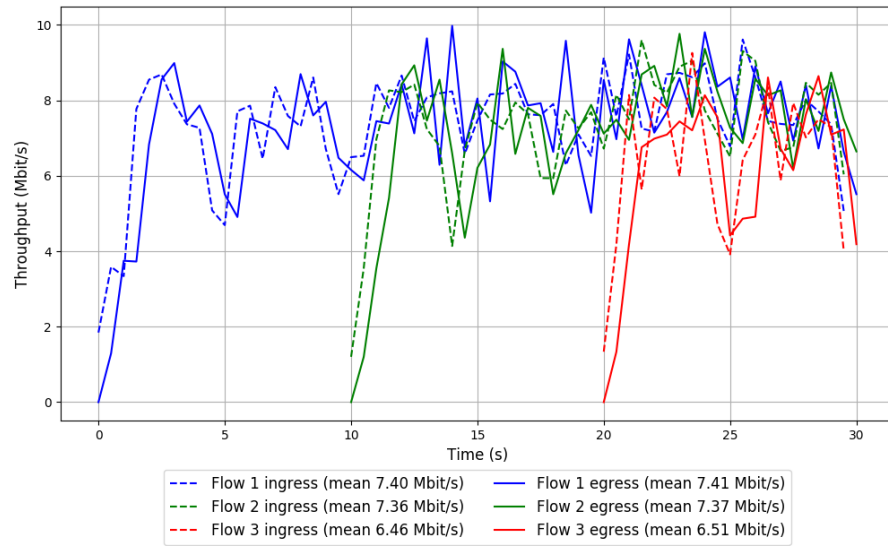


Run 9: Statistics of Sprout

Start at: 2018-07-02 07:24:50
End at: 2018-07-02 07:25:20
Local clock offset: -0.061 ms
Remote clock offset: 0.086 ms

```
# Below is generated by plot.py at 2018-07-02 09:30:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 55.082 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 55.543 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 7.37 Mbit/s
95th percentile per-packet one-way delay: 57.521 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.26%
```

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-07-02 07:47:58

End at: 2018-07-02 07:48:28

Local clock offset: -0.121 ms

Remote clock offset: -0.21 ms

Below is generated by plot.py at 2018-07-02 09:30:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 51.070 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 7.51 Mbit/s

95th percentile per-packet one-way delay: 51.166 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 50.978 ms

Loss rate: 0.82%

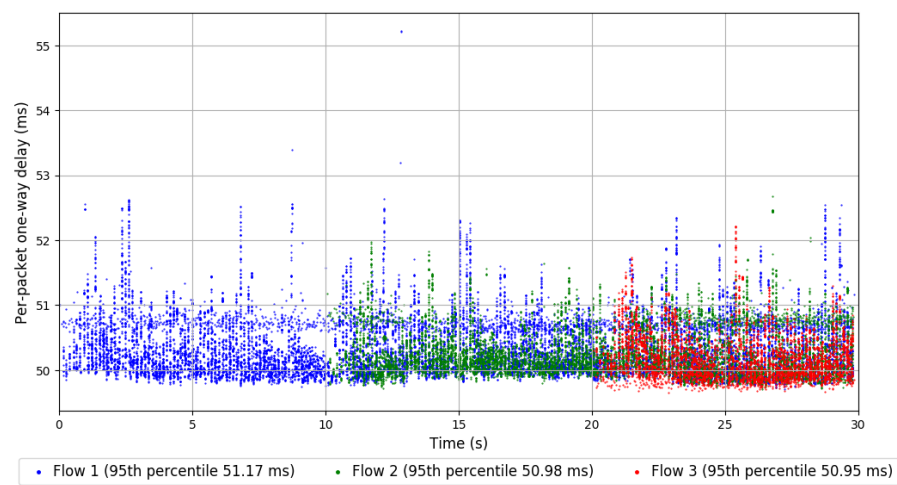
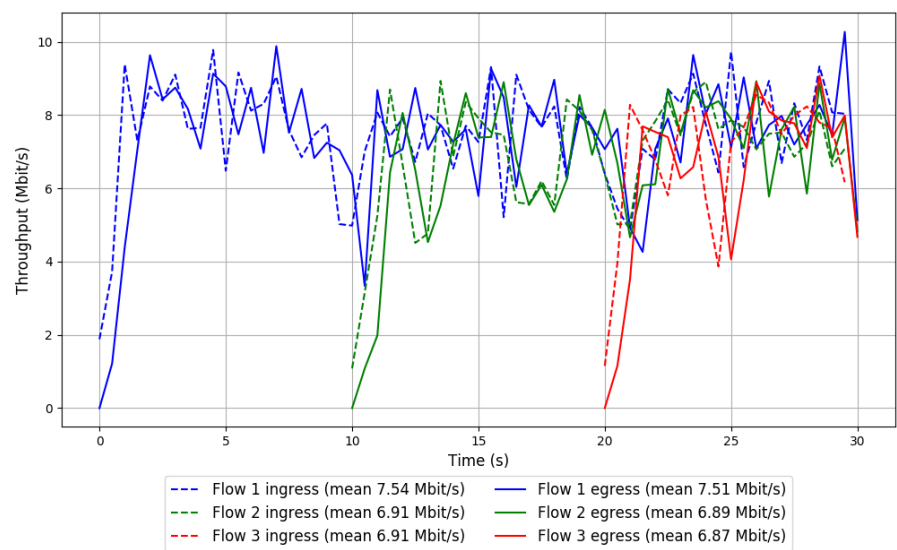
-- Flow 3:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 50.953 ms

Loss rate: 1.64%

Run 10: Report of Sprout — Data Link

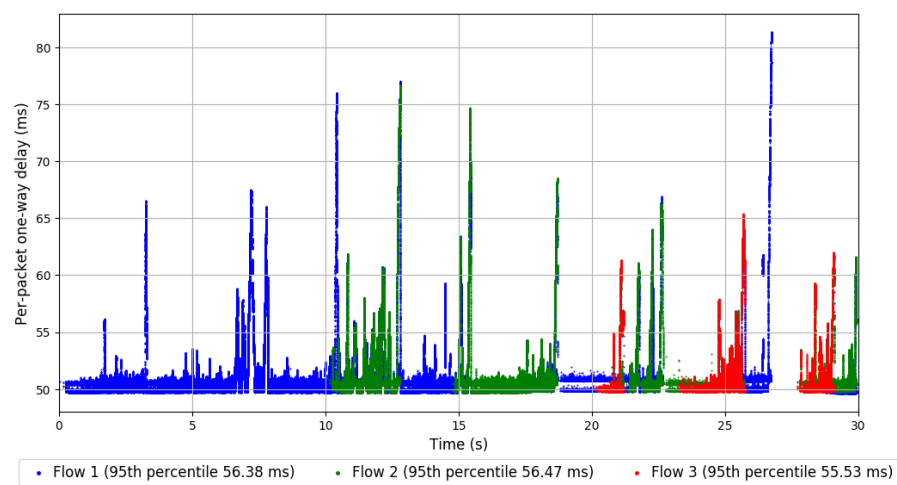
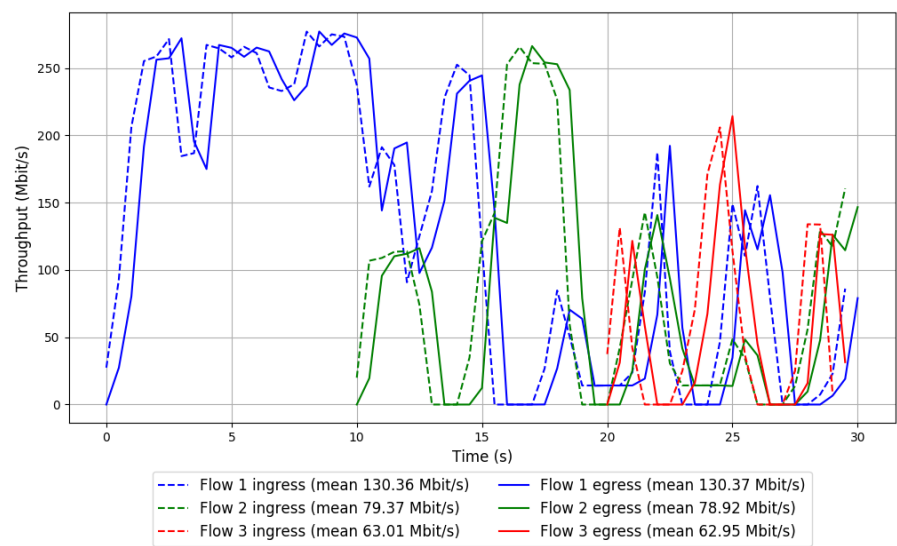


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-02 04:17:23
End at: 2018-07-02 04:17:53
Local clock offset: 0.062 ms
Remote clock offset: -0.132 ms

# Below is generated by plot.py at 2018-07-02 09:35:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 201.84 Mbit/s
95th percentile per-packet one-way delay: 56.275 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 130.37 Mbit/s
95th percentile per-packet one-way delay: 56.384 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 78.92 Mbit/s
95th percentile per-packet one-way delay: 56.469 ms
Loss rate: 1.01%
-- Flow 3:
Average throughput: 62.95 Mbit/s
95th percentile per-packet one-way delay: 55.532 ms
Loss rate: 0.00%
```


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

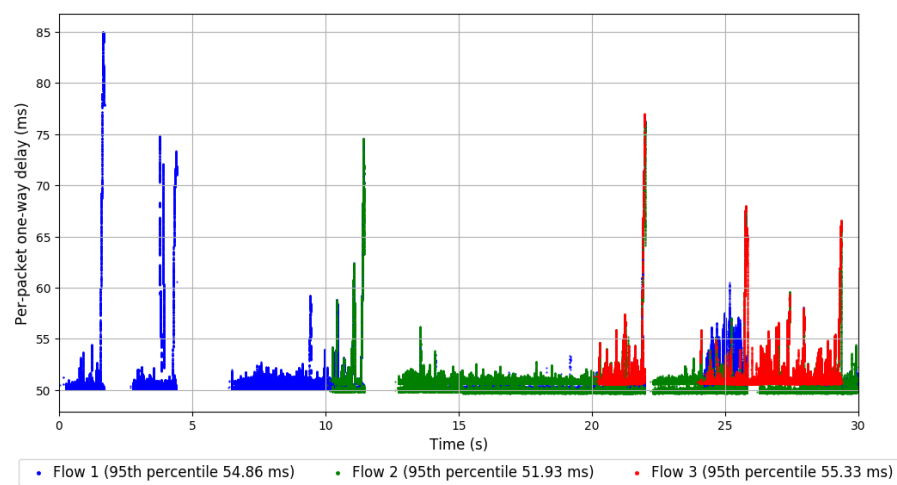
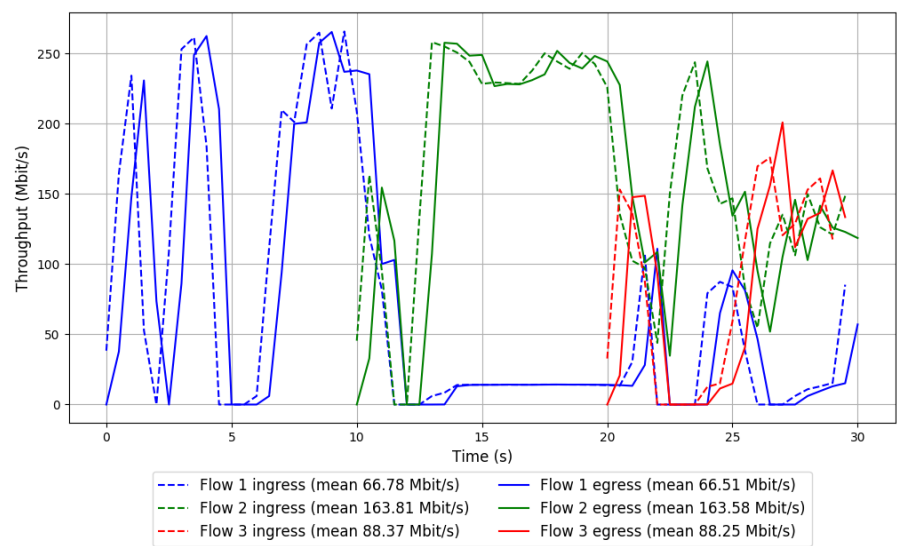


```
Run 2: Statistics of TaoVA-100x

Start at: 2018-07-02 04:40:26
End at: 2018-07-02 04:40:56
Local clock offset: 0.101 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2018-07-02 09:35:27
# Datalink statistics
-- Total of 3 flows:
Average throughput: 202.75 Mbit/s
95th percentile per-packet one-way delay: 53.321 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 66.51 Mbit/s
95th percentile per-packet one-way delay: 54.857 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 163.58 Mbit/s
95th percentile per-packet one-way delay: 51.933 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: 55.333 ms
Loss rate: 0.00%
```

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-02 05:03:24

End at: 2018-07-02 05:03:54

Local clock offset: -0.326 ms

Remote clock offset: 0.049 ms

Below is generated by plot.py at 2018-07-02 09:35:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.47 Mbit/s

95th percentile per-packet one-way delay: 50.507 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 50.439 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 101.50 Mbit/s

95th percentile per-packet one-way delay: 50.818 ms

Loss rate: 0.00%

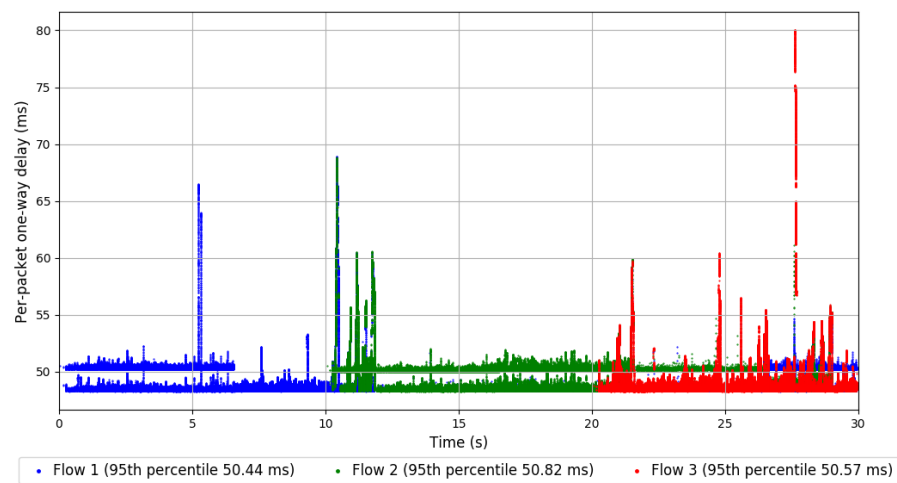
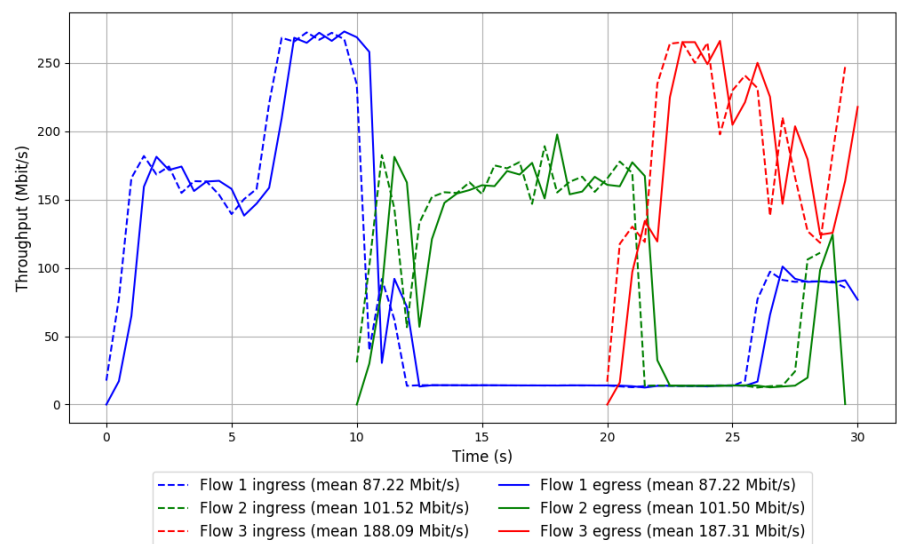
-- Flow 3:

Average throughput: 187.31 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 1.40%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-02 05:26:37

End at: 2018-07-02 05:27:08

Local clock offset: -0.299 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-02 09:35:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 126.80 Mbit/s

95th percentile per-packet one-way delay: 50.811 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 146.14 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 82.08 Mbit/s

95th percentile per-packet one-way delay: 50.677 ms

Loss rate: 1.42%

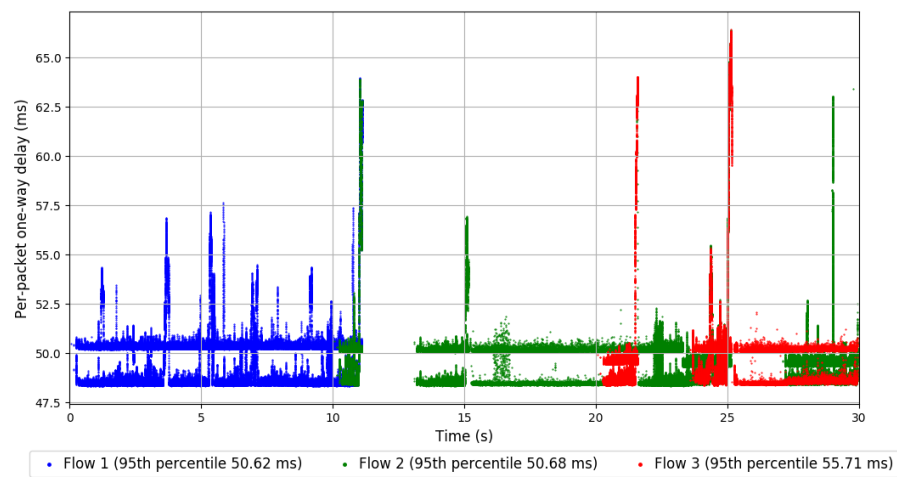
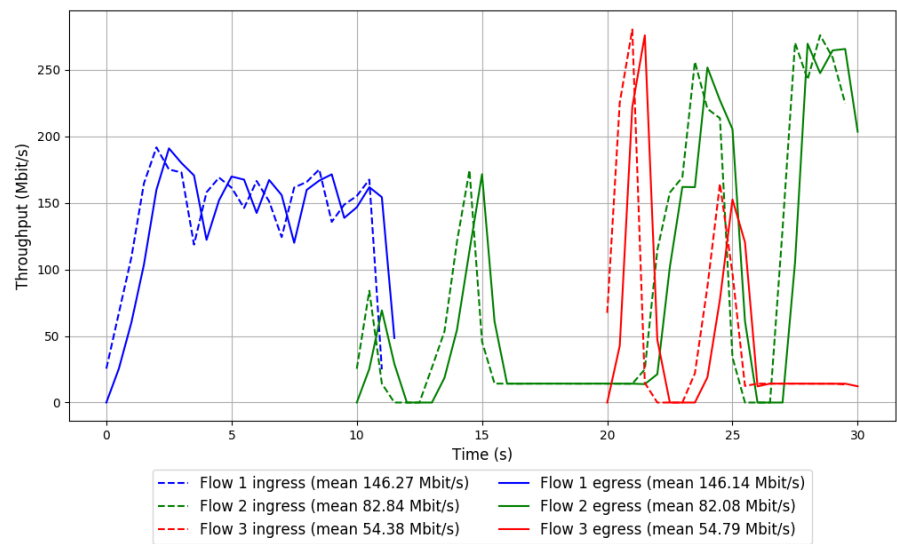
-- Flow 3:

Average throughput: 54.79 Mbit/s

95th percentile per-packet one-way delay: 55.712 ms

Loss rate: 0.25%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-02 05:49:28

End at: 2018-07-02 05:49:58

Local clock offset: 0.03 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-02 09:35:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.84 Mbit/s

95th percentile per-packet one-way delay: 52.170 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 108.97 Mbit/s

95th percentile per-packet one-way delay: 50.777 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 131.91 Mbit/s

95th percentile per-packet one-way delay: 52.404 ms

Loss rate: 0.49%

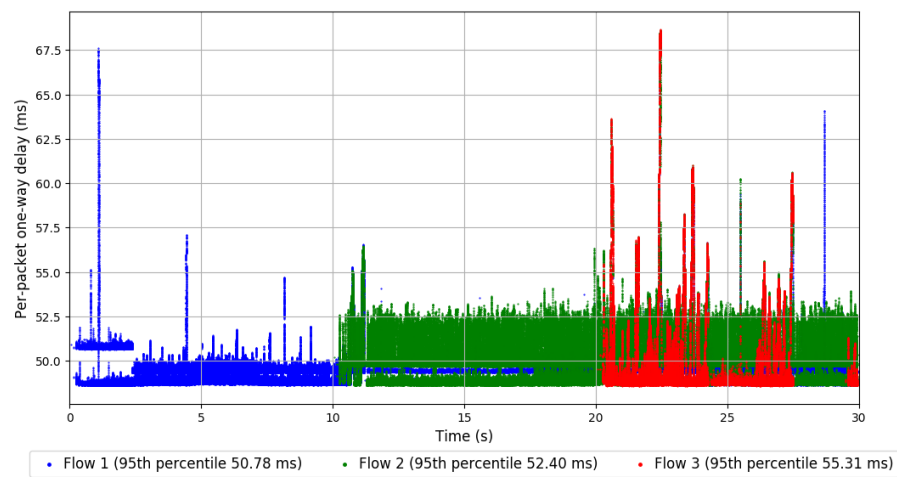
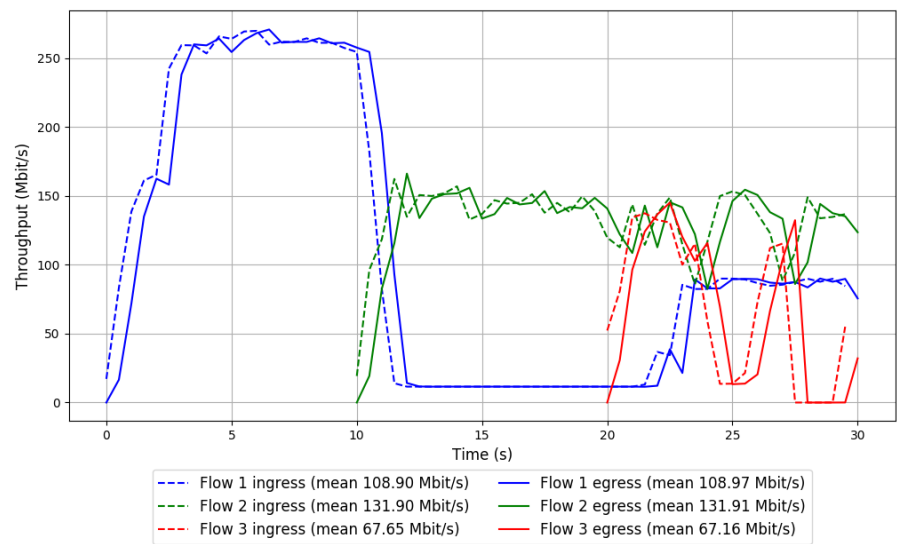
-- Flow 3:

Average throughput: 67.16 Mbit/s

95th percentile per-packet one-way delay: 55.312 ms

Loss rate: 1.71%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-02 06:12:35

End at: 2018-07-02 06:13:05

Local clock offset: 0.045 ms

Remote clock offset: 0.238 ms

Below is generated by plot.py at 2018-07-02 09:37:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 241.57 Mbit/s

95th percentile per-packet one-way delay: 53.829 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 191.53 Mbit/s

95th percentile per-packet one-way delay: 52.285 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.68 Mbit/s

95th percentile per-packet one-way delay: 57.094 ms

Loss rate: 0.46%

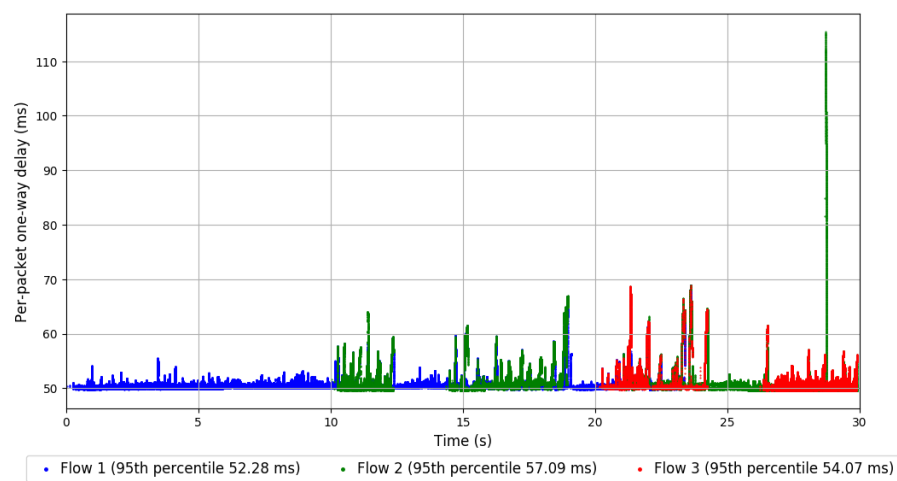
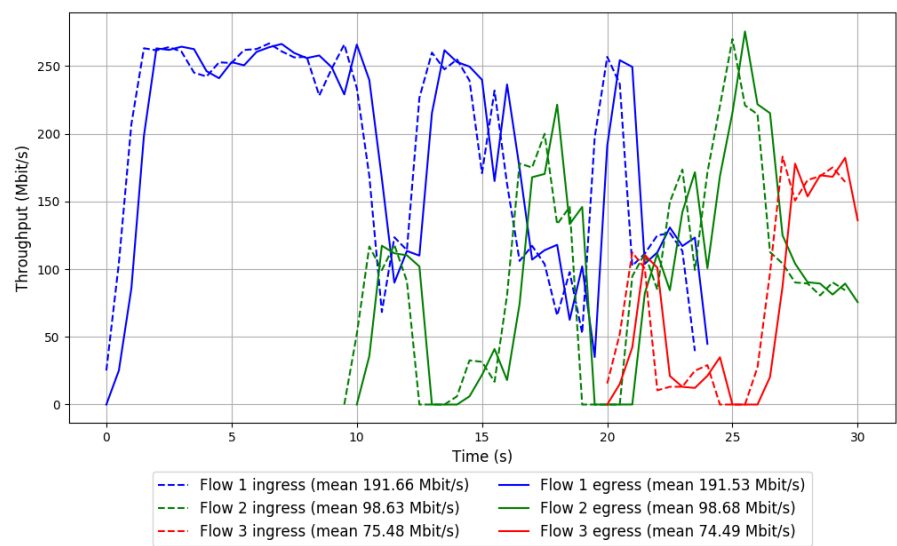
-- Flow 3:

Average throughput: 74.49 Mbit/s

95th percentile per-packet one-way delay: 54.066 ms

Loss rate: 2.50%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-07-02 06:35:58

End at: 2018-07-02 06:36:28

Local clock offset: -0.036 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-02 09:37:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 221.37 Mbit/s

95th percentile per-packet one-way delay: 52.033 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 133.72 Mbit/s

95th percentile per-packet one-way delay: 51.160 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 99.41 Mbit/s

95th percentile per-packet one-way delay: 52.039 ms

Loss rate: 0.48%

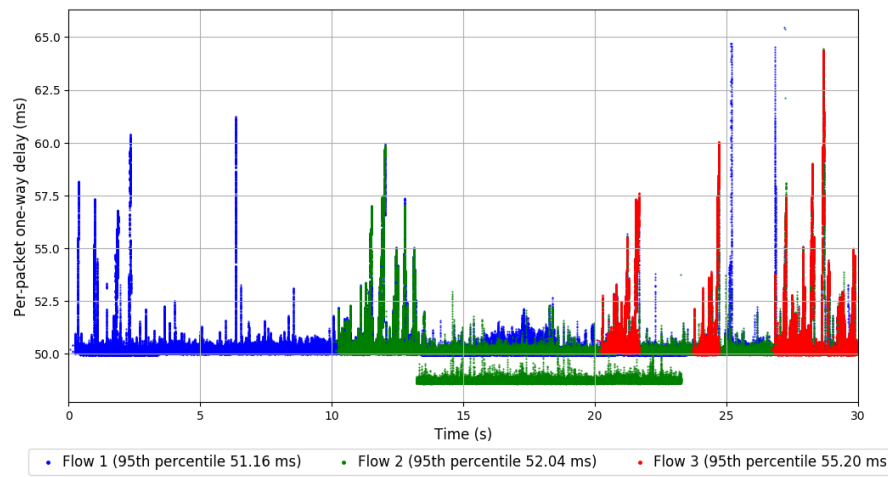
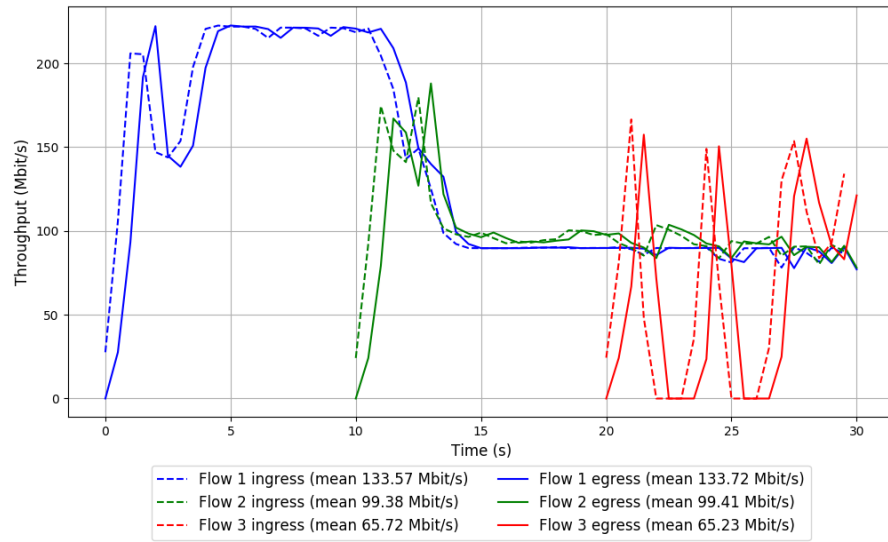
-- Flow 3:

Average throughput: 65.23 Mbit/s

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

Loss rate: 1.76%

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

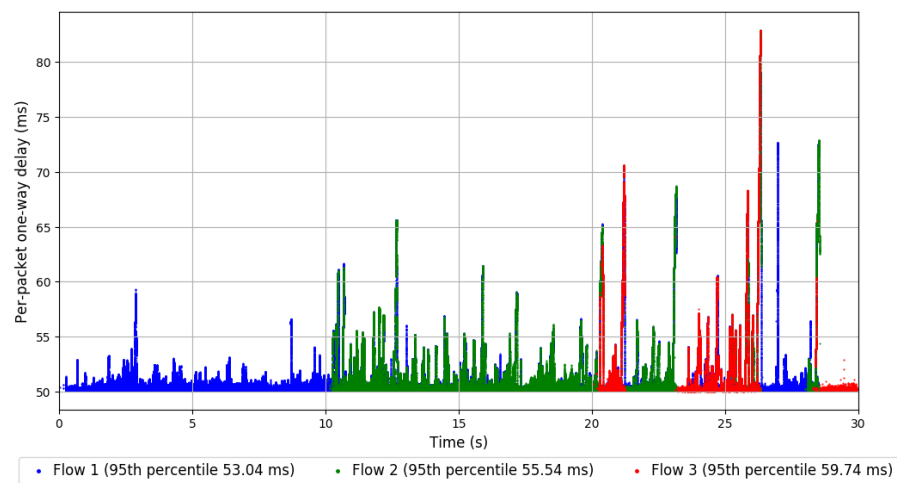
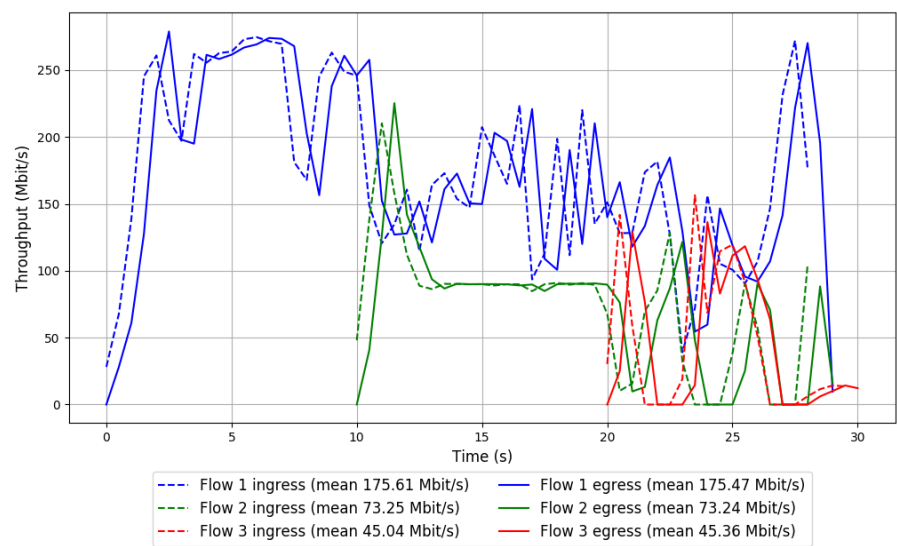


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-02 06:58:58
End at: 2018-07-02 06:59:28
Local clock offset: -0.032 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-02 09:38:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 227.47 Mbit/s
95th percentile per-packet one-way delay: 54.002 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 175.47 Mbit/s
95th percentile per-packet one-way delay: 53.036 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 55.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 45.36 Mbit/s
95th percentile per-packet one-way delay: 59.738 ms
Loss rate: 0.32%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-02 07:22:00

End at: 2018-07-02 07:22:30

Local clock offset: -0.019 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-07-02 09:40:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 215.73 Mbit/s

95th percentile per-packet one-way delay: 51.416 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 173.05 Mbit/s

95th percentile per-packet one-way delay: 51.361 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 51.518 ms

Loss rate: 0.51%

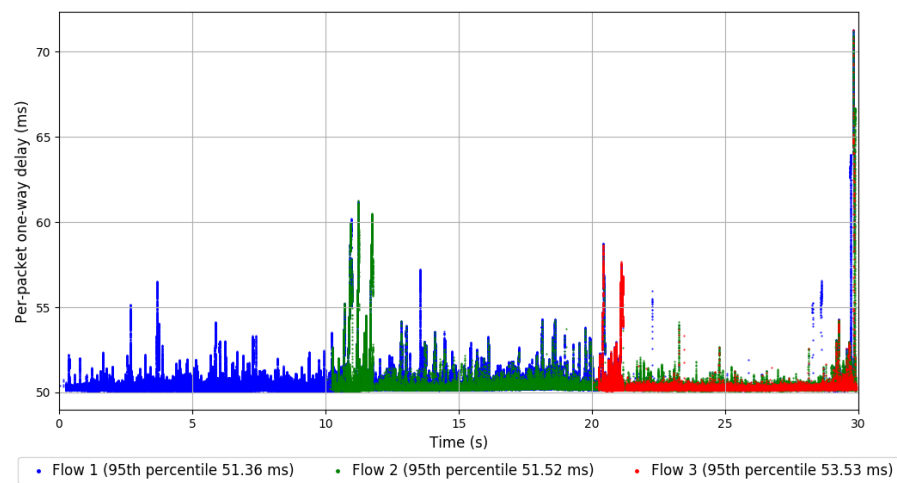
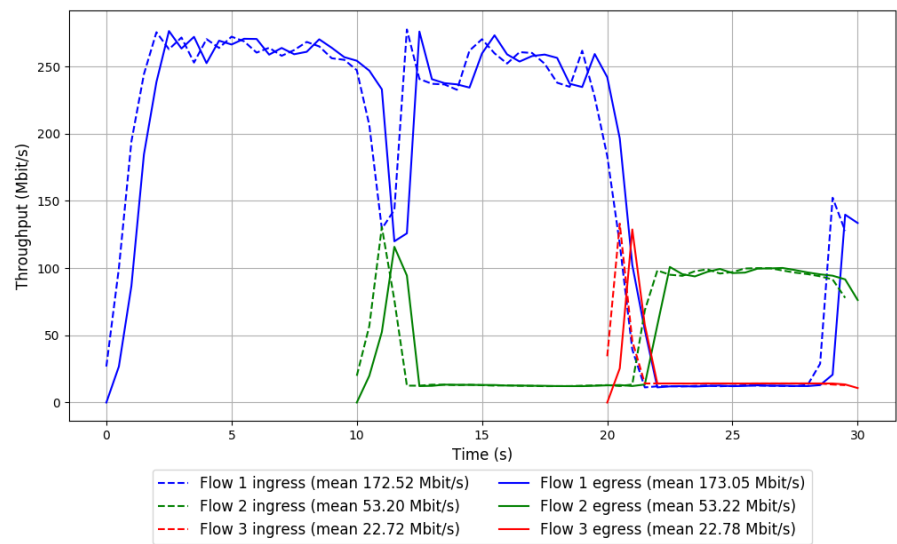
-- Flow 3:

Average throughput: 22.78 Mbit/s

95th percentile per-packet one-way delay: 53.531 ms

Loss rate: 0.77%

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

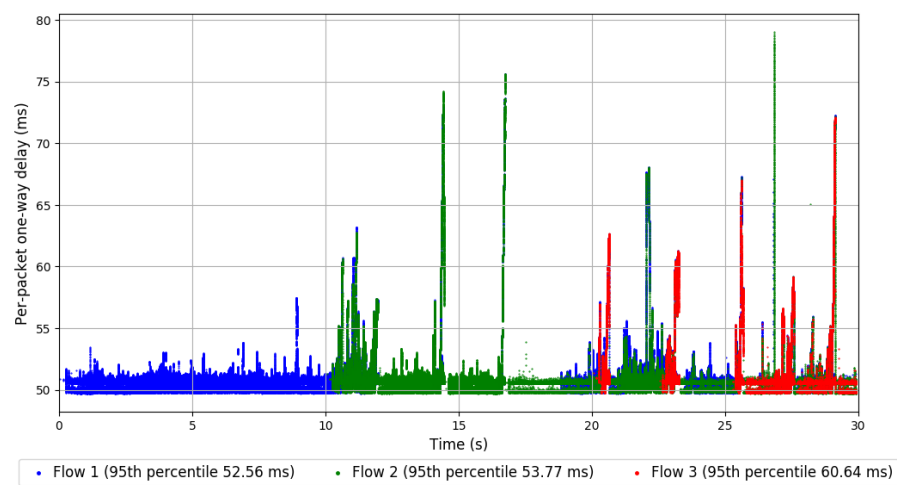
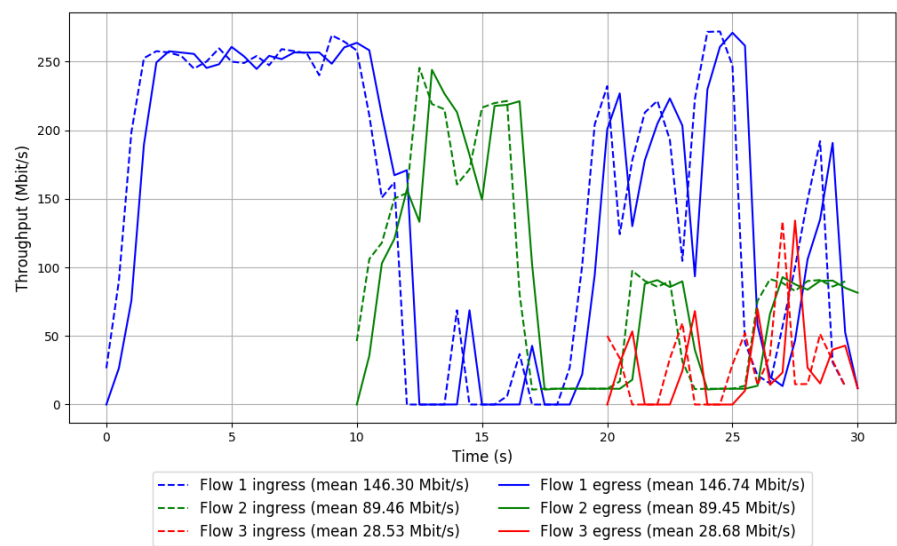


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-02 07:45:07
End at: 2018-07-02 07:45:37
Local clock offset: -0.127 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-02 09:42:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 215.68 Mbit/s
95th percentile per-packet one-way delay: 53.415 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 146.74 Mbit/s
95th percentile per-packet one-way delay: 52.558 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 89.45 Mbit/s
95th percentile per-packet one-way delay: 53.768 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 60.639 ms
Loss rate: 0.50%

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

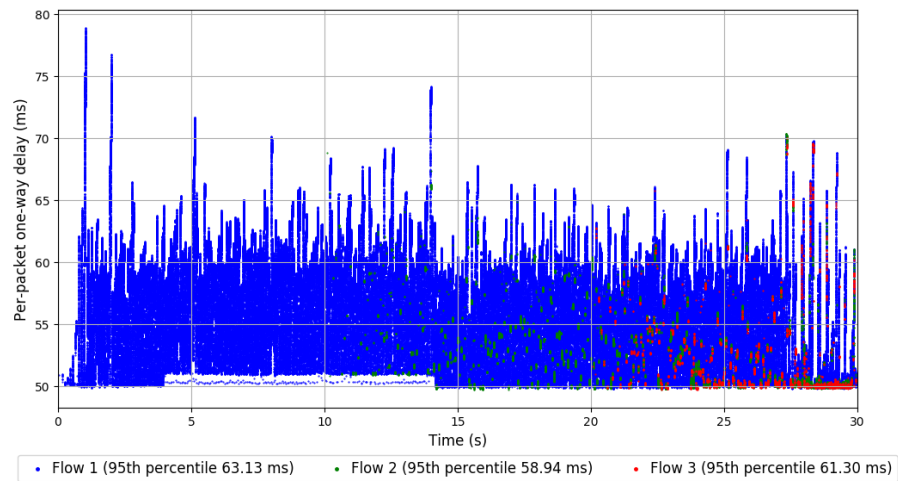
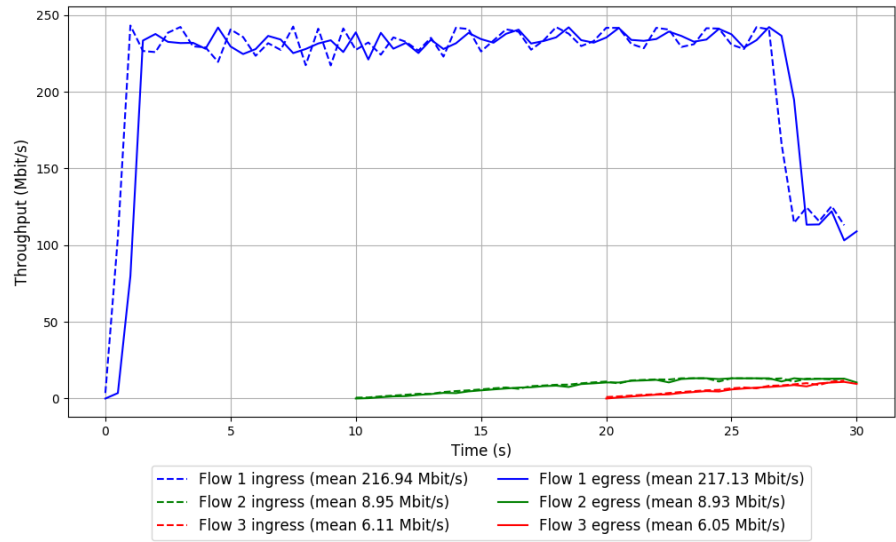


Run 1: Statistics of TCP Vegas

Start at: 2018-07-02 04:09:57
End at: 2018-07-02 04:10:27
Local clock offset: 0.069 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-02 09:42:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 225.05 Mbit/s
95th percentile per-packet one-way delay: 63.083 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 217.13 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 58.941 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 61.301 ms
Loss rate: 1.99%

Run 1: Report of TCP Vegas — Data Link

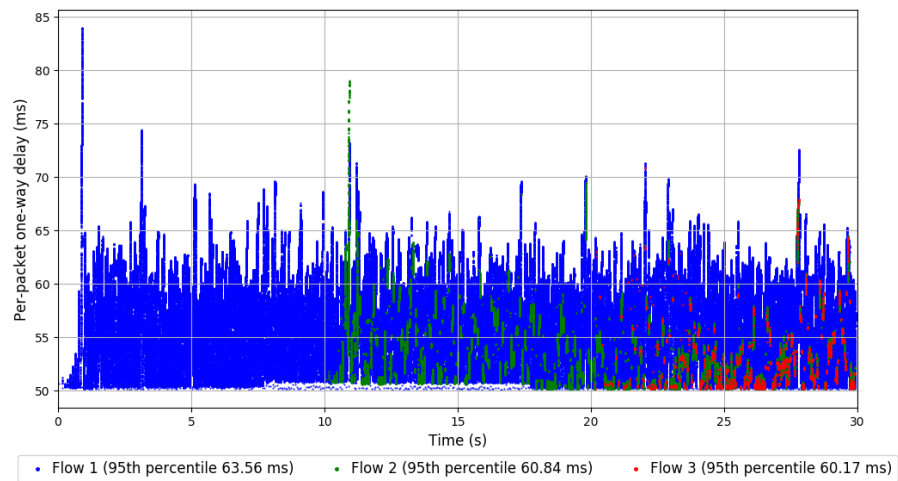
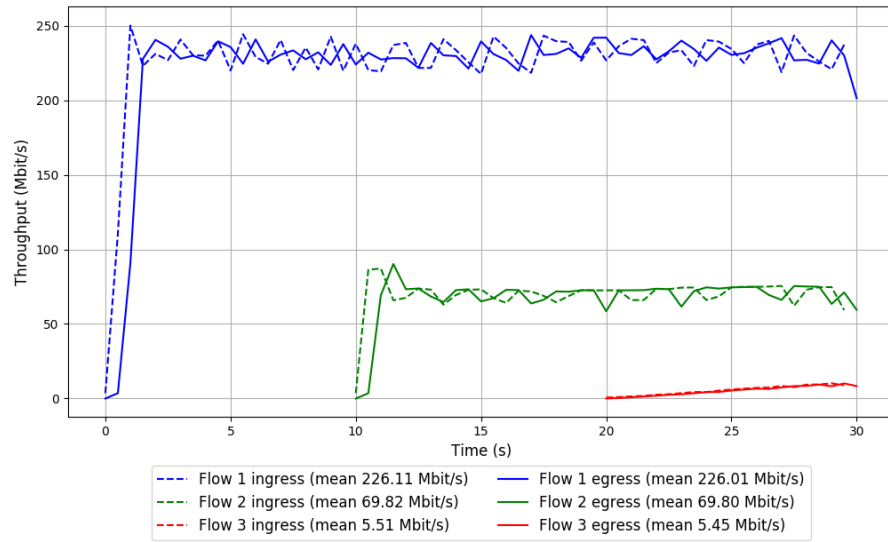


Run 2: Statistics of TCP Vegas

Start at: 2018-07-02 04:32:53
End at: 2018-07-02 04:33:23
Local clock offset: 0.091 ms
Remote clock offset: -0.167 ms

Below is generated by plot.py at 2018-07-02 09:42:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 274.15 Mbit/s
95th percentile per-packet one-way delay: 63.316 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 226.01 Mbit/s
95th percentile per-packet one-way delay: 63.563 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 60.842 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 60.170 ms
Loss rate: 2.13%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-07-02 04:55:56

End at: 2018-07-02 04:56:26

Local clock offset: 0.109 ms

Remote clock offset: 0.057 ms

Below is generated by plot.py at 2018-07-02 09:42:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 218.73 Mbit/s

95th percentile per-packet one-way delay: 63.522 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 60.324 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 206.94 Mbit/s

95th percentile per-packet one-way delay: 64.250 ms

Loss rate: 0.24%

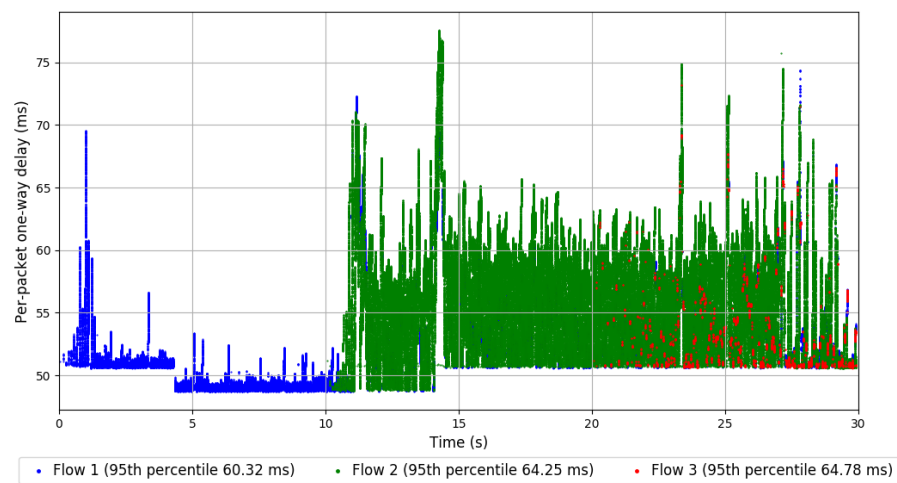
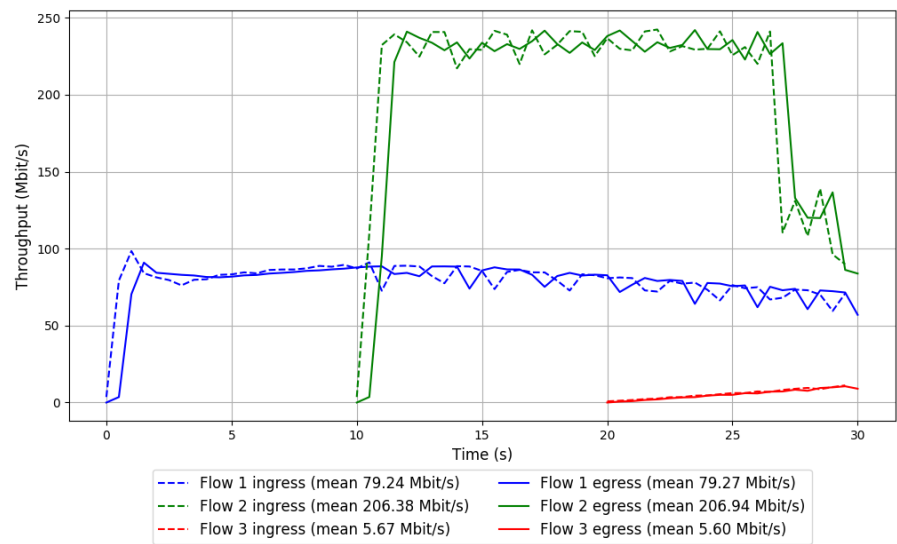
-- Flow 3:

Average throughput: 5.60 Mbit/s

95th percentile per-packet one-way delay: 64.782 ms

Loss rate: 2.17%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-02 05:19:07

End at: 2018-07-02 05:19:37

Local clock offset: 0.053 ms

Remote clock offset: 0.065 ms

Below is generated by plot.py at 2018-07-02 09:42:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 263.49 Mbit/s

95th percentile per-packet one-way delay: 97.763 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 166.54 Mbit/s

95th percentile per-packet one-way delay: 97.906 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 140.22 Mbit/s

95th percentile per-packet one-way delay: 97.608 ms

Loss rate: 0.28%

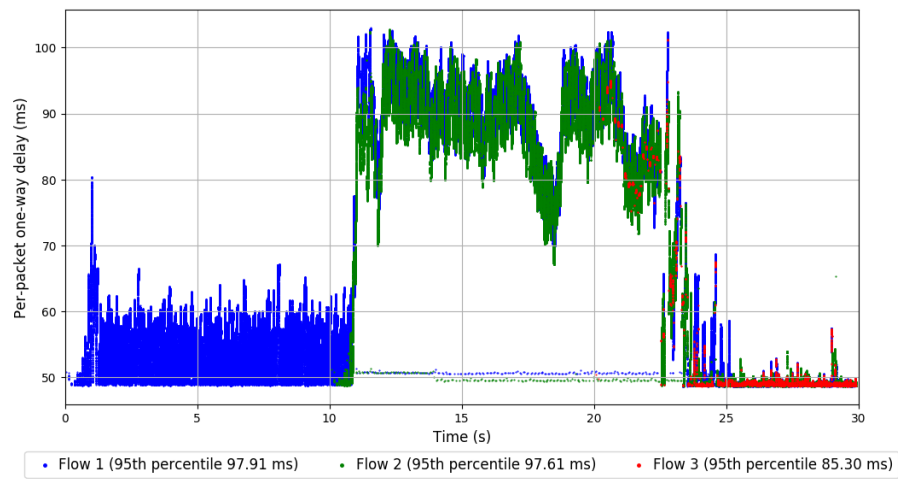
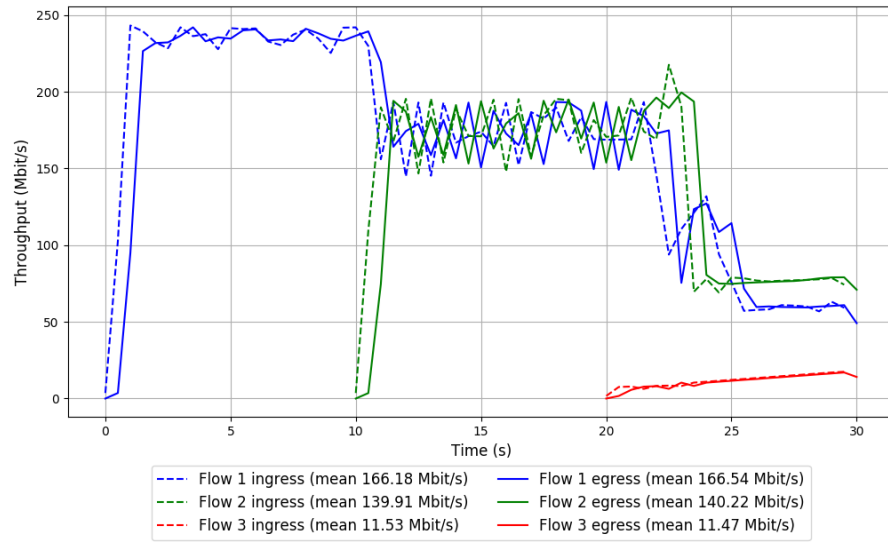
-- Flow 3:

Average throughput: 11.47 Mbit/s

95th percentile per-packet one-way delay: 85.301 ms

Loss rate: 1.55%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-02 05:42:01

End at: 2018-07-02 05:42:31

Local clock offset: -0.247 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-02 09:42:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 230.29 Mbit/s

95th percentile per-packet one-way delay: 53.191 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 194.44 Mbit/s

95th percentile per-packet one-way delay: 52.933 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 11.38 Mbit/s

95th percentile per-packet one-way delay: 53.892 ms

Loss rate: 1.01%

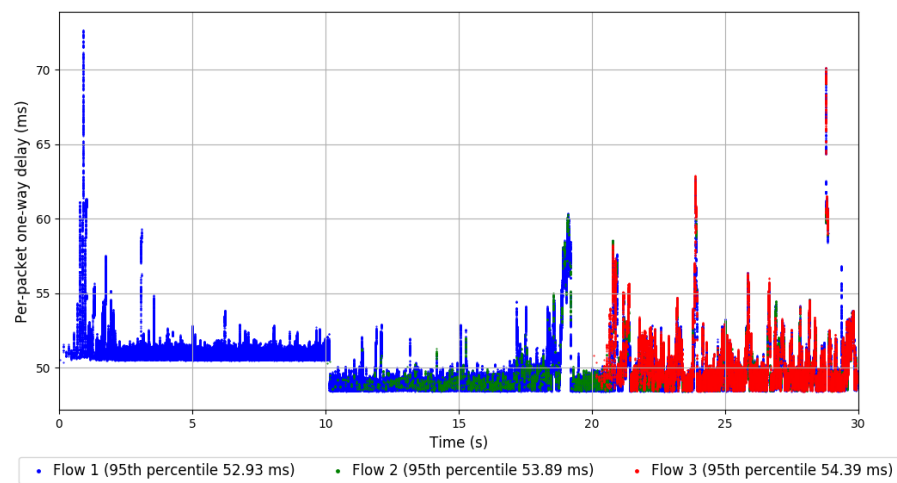
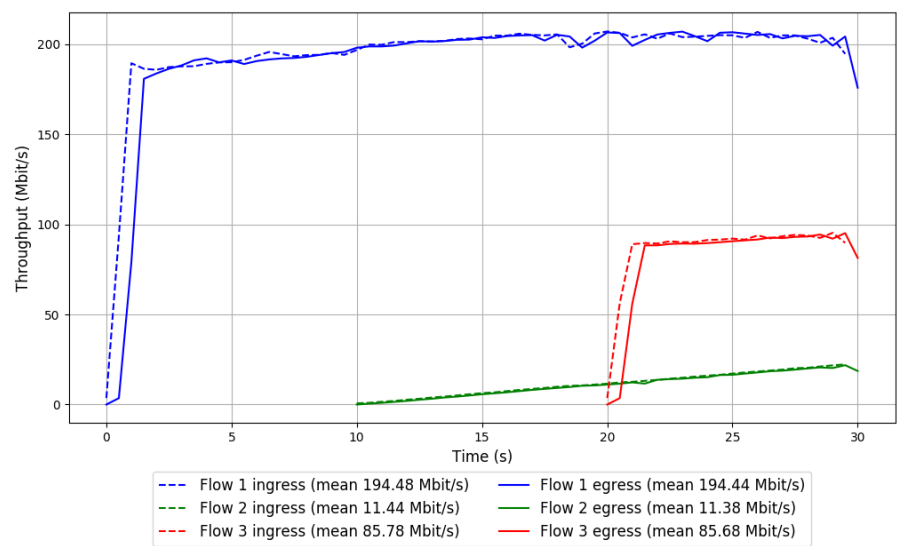
-- Flow 3:

Average throughput: 85.68 Mbit/s

95th percentile per-packet one-way delay: 54.390 ms

Loss rate: 1.11%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-07-02 06:05:06

End at: 2018-07-02 06:05:36

Local clock offset: -0.329 ms

Remote clock offset: 0.18 ms

Below is generated by plot.py at 2018-07-02 09:43:21

Datalink statistics

-- Total of 3 flows:

Average throughput: 234.23 Mbit/s

95th percentile per-packet one-way delay: 62.485 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 222.49 Mbit/s

95th percentile per-packet one-way delay: 62.565 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 8.88 Mbit/s

95th percentile per-packet one-way delay: 59.485 ms

Loss rate: 1.03%

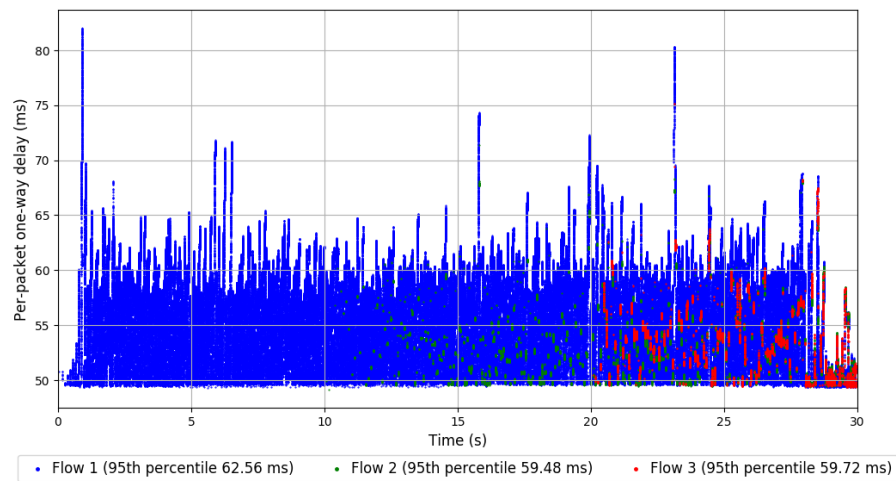
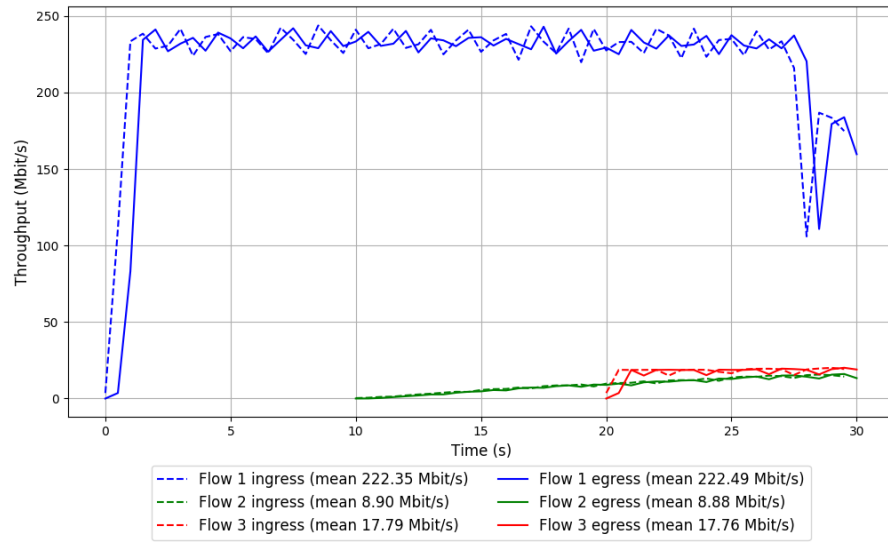
-- Flow 3:

Average throughput: 17.76 Mbit/s

95th percentile per-packet one-way delay: 59.723 ms

Loss rate: 1.19%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

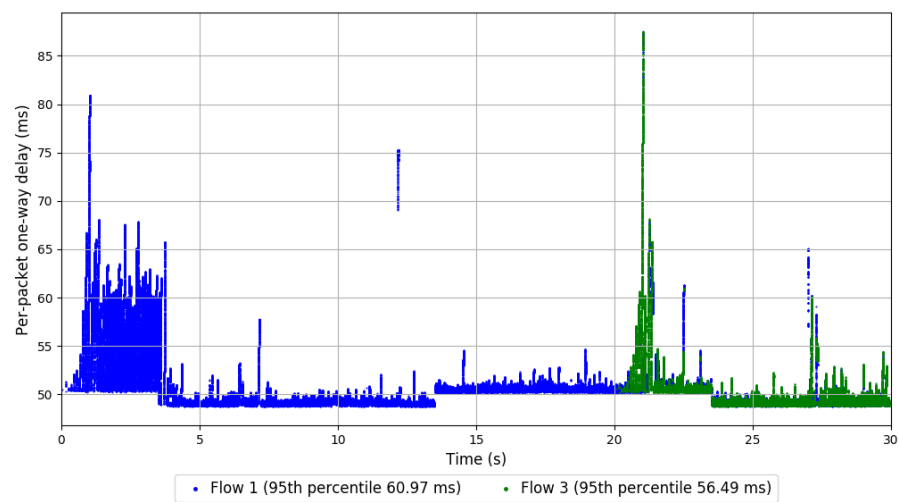
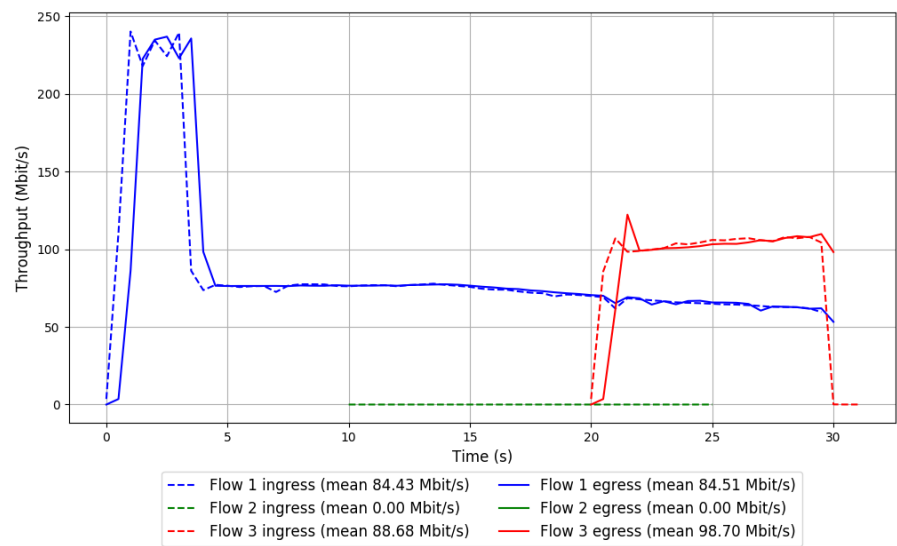
Start at: 2018-07-02 06:28:17

End at: 2018-07-02 06:28:47

Local clock offset: 0.014 ms

Remote clock offset: 0.062 ms

Run 7: Report of TCP Vegas — Data Link

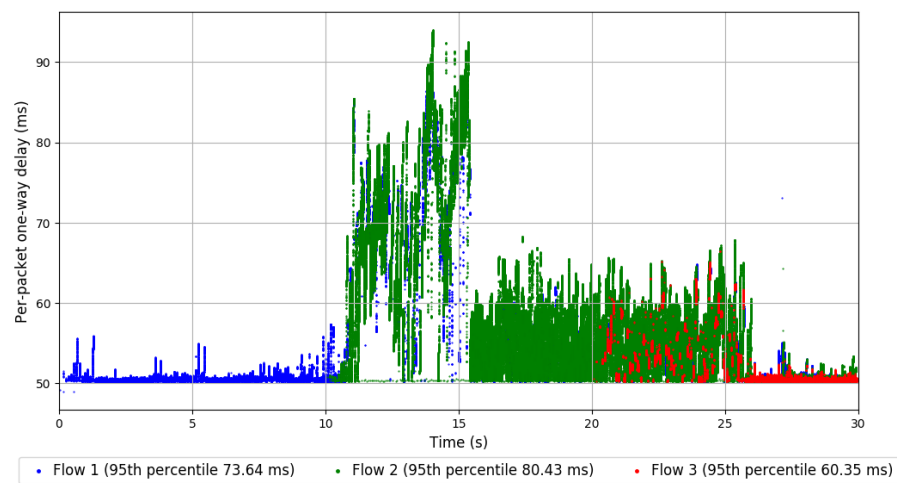
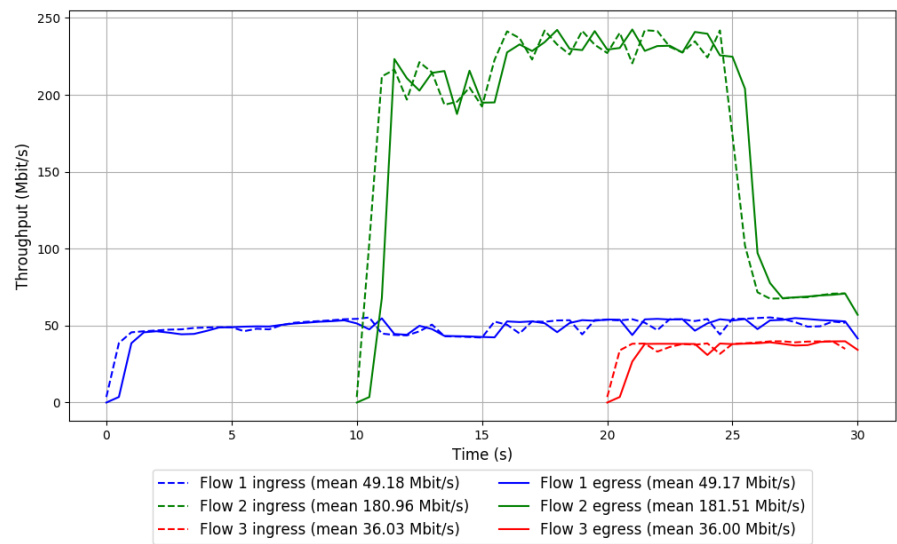


Run 8: Statistics of TCP Vegas

Start at: 2018-07-02 06:51:34
End at: 2018-07-02 06:52:04
Local clock offset: 0.031 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-02 09:43:37
Datalink statistics
-- Total of 3 flows:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 78.554 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 73.638 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 181.51 Mbit/s
95th percentile per-packet one-way delay: 80.432 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 36.00 Mbit/s
95th percentile per-packet one-way delay: 60.348 ms
Loss rate: 1.08%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-02 07:14:30

End at: 2018-07-02 07:15:00

Local clock offset: -0.061 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-07-02 09:45:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 268.18 Mbit/s

95th percentile per-packet one-way delay: 75.418 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 167.37 Mbit/s

95th percentile per-packet one-way delay: 73.272 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 94.33 Mbit/s

95th percentile per-packet one-way delay: 80.693 ms

Loss rate: 0.39%

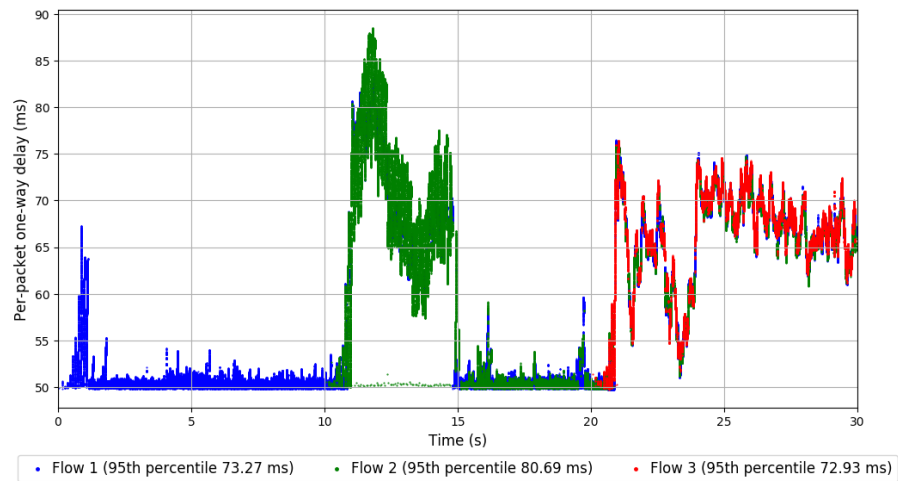
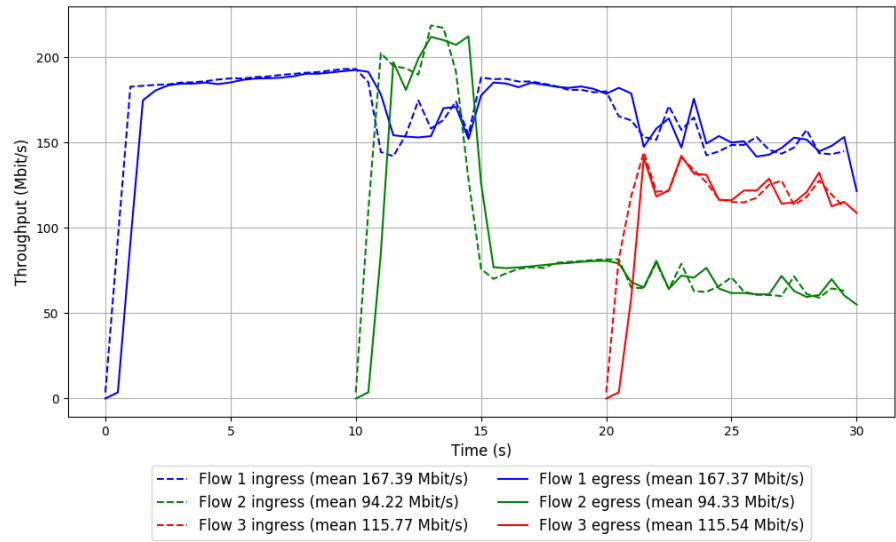
-- Flow 3:

Average throughput: 115.54 Mbit/s

95th percentile per-packet one-way delay: 72.926 ms

Loss rate: 1.21%

Run 9: Report of TCP Vegas — Data Link

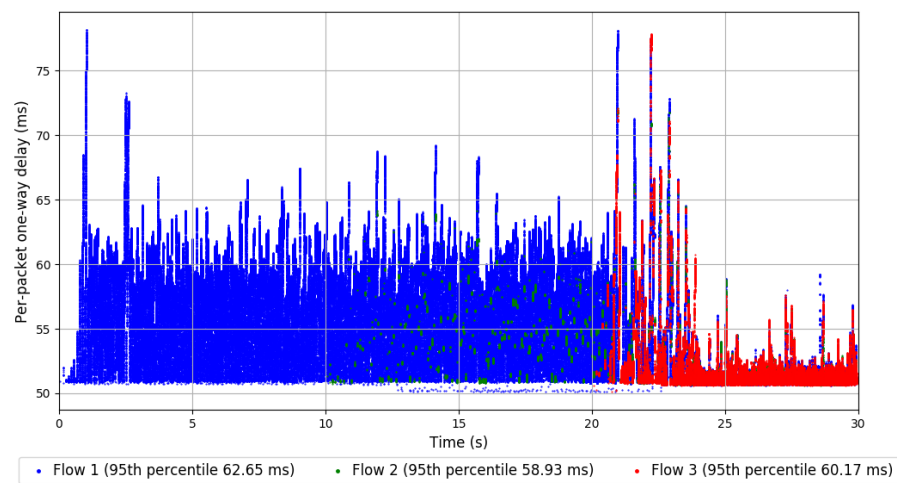
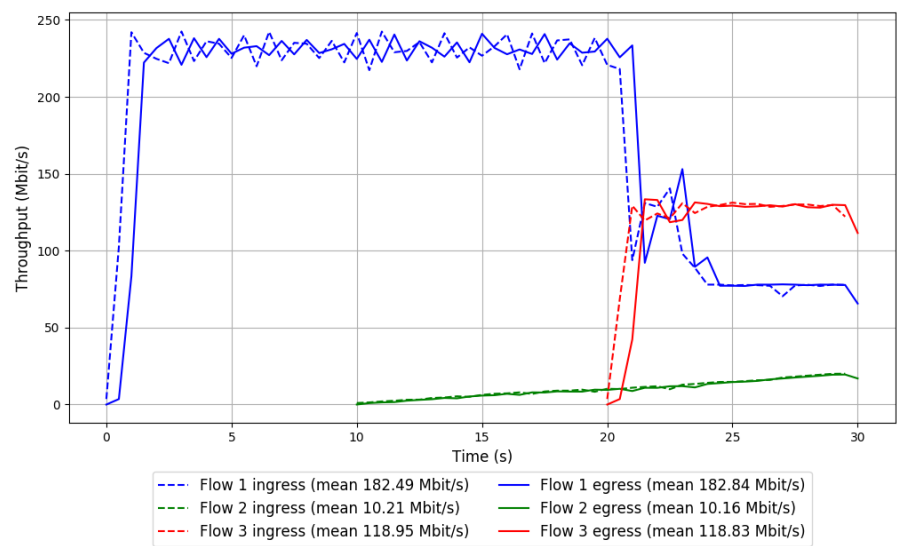


Run 10: Statistics of TCP Vegas

Start at: 2018-07-02 07:37:38
End at: 2018-07-02 07:38:08
Local clock offset: -0.089 ms
Remote clock offset: -0.158 ms

Below is generated by plot.py at 2018-07-02 09:45:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 228.79 Mbit/s
95th percentile per-packet one-way delay: 62.481 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 182.84 Mbit/s
95th percentile per-packet one-way delay: 62.651 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 58.933 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 118.83 Mbit/s
95th percentile per-packet one-way delay: 60.172 ms
Loss rate: 1.12%

Run 10: Report of TCP Vegas — Data Link

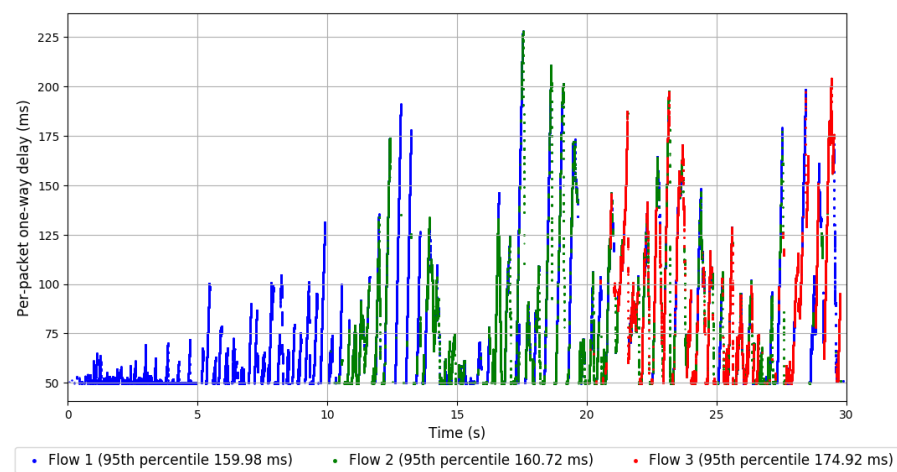
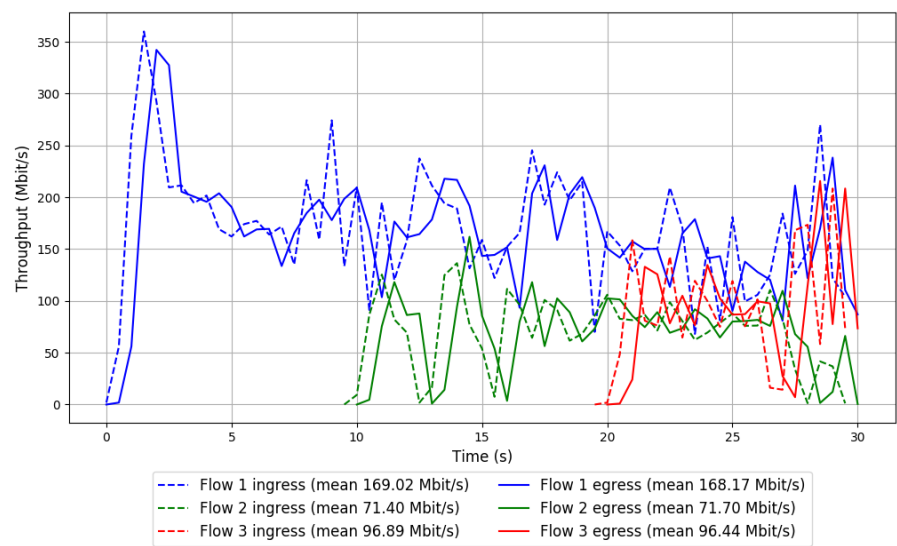


Run 1: Statistics of Verus

Start at: 2018-07-02 04:21:21
End at: 2018-07-02 04:21:51
Local clock offset: 0.05 ms
Remote clock offset: -0.183 ms

Below is generated by plot.py at 2018-07-02 09:46:34
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.17 Mbit/s
95th percentile per-packet one-way delay: 162.261 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 168.17 Mbit/s
95th percentile per-packet one-way delay: 159.976 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 71.70 Mbit/s
95th percentile per-packet one-way delay: 160.725 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: 174.917 ms
Loss rate: 0.00%

Run 1: Report of Verus — Data Link

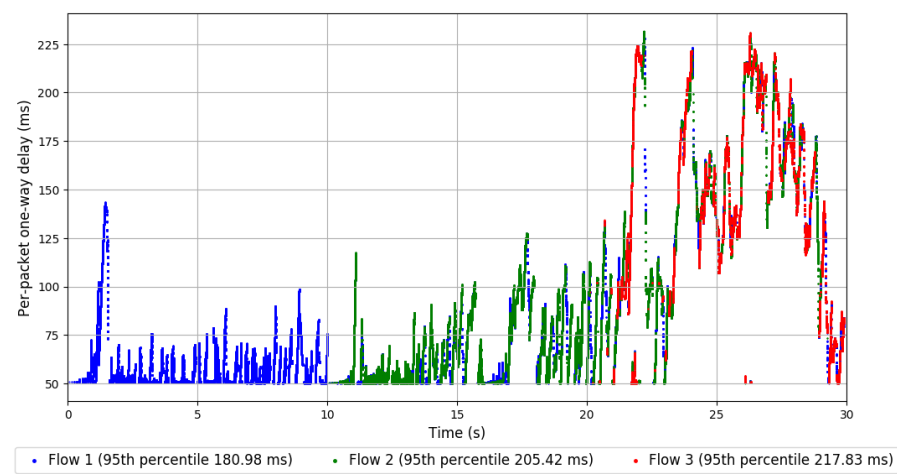
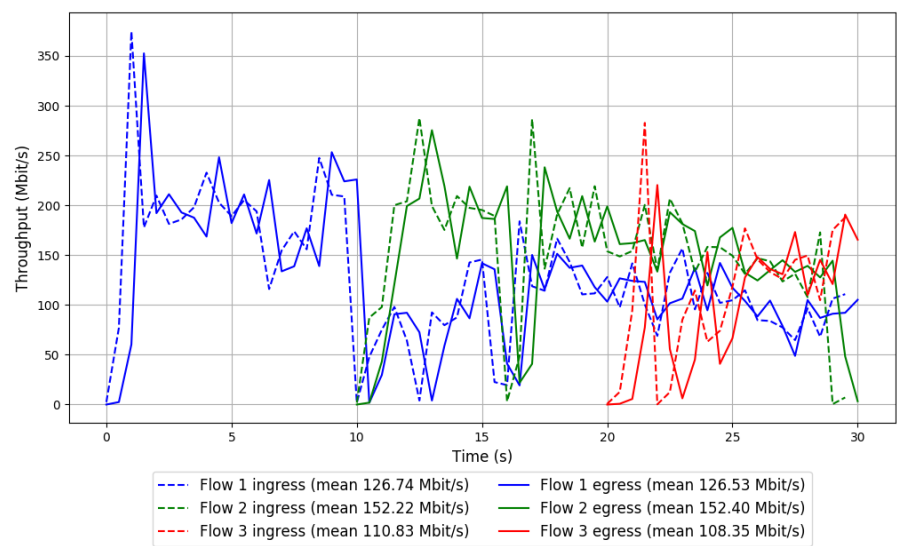


Run 2: Statistics of Verus

Start at: 2018-07-02 04:44:24
End at: 2018-07-02 04:44:54
Local clock offset: 0.068 ms
Remote clock offset: -0.074 ms

Below is generated by plot.py at 2018-07-02 09:47:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 262.90 Mbit/s
95th percentile per-packet one-way delay: 206.537 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 126.53 Mbit/s
95th percentile per-packet one-way delay: 180.976 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 152.40 Mbit/s
95th percentile per-packet one-way delay: 205.420 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 108.35 Mbit/s
95th percentile per-packet one-way delay: 217.827 ms
Loss rate: 3.78%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

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

Local clock offset: 0.078 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-02 09:47:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 257.46 Mbit/s

95th percentile per-packet one-way delay: 175.136 ms

Loss rate: 1.49%

-- Flow 1:

Average throughput: 162.50 Mbit/s

95th percentile per-packet one-way delay: 160.740 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 106.39 Mbit/s

95th percentile per-packet one-way delay: 181.907 ms

Loss rate: 4.31%

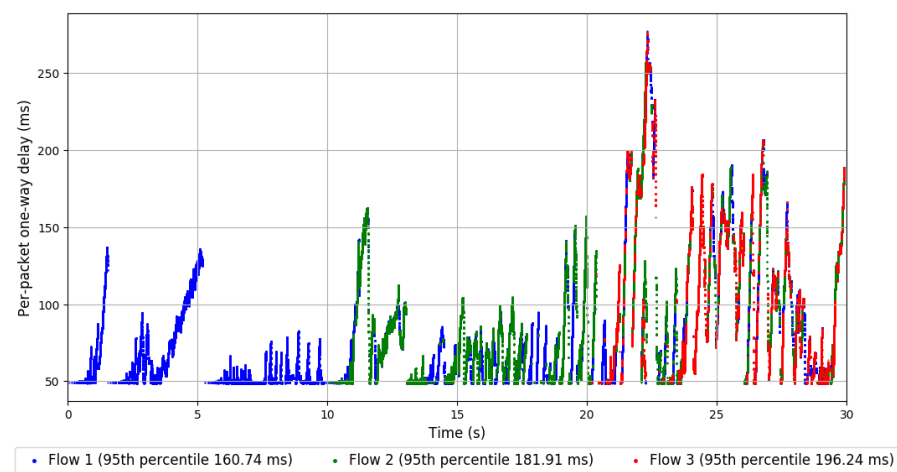
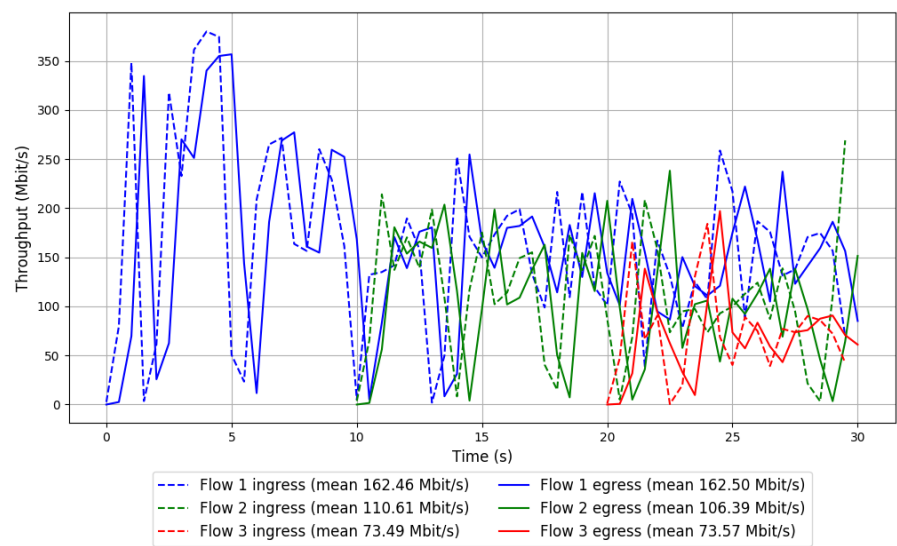
-- Flow 3:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 196.237 ms

Loss rate: 0.92%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-02 05:30:30

End at: 2018-07-02 05:31:00

Local clock offset: 0.042 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-02 09:47:57

Datalink statistics

-- Total of 3 flows:

Average throughput: 276.05 Mbit/s

95th percentile per-packet one-way delay: 201.088 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 223.74 Mbit/s

95th percentile per-packet one-way delay: 200.520 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 59.87 Mbit/s

95th percentile per-packet one-way delay: 205.320 ms

Loss rate: 1.14%

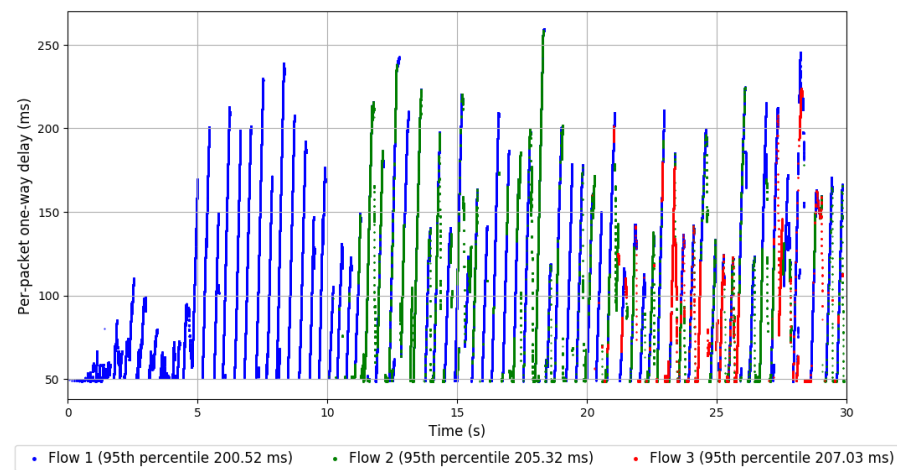
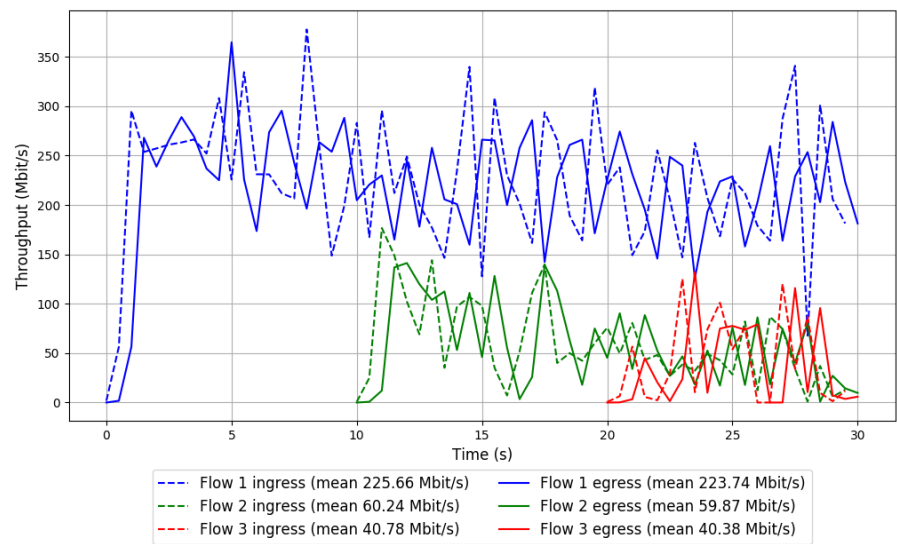
-- Flow 3:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 207.026 ms

Loss rate: 3.09%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-02 05:53:27

End at: 2018-07-02 05:53:57

Local clock offset: 0.012 ms

Remote clock offset: 0.168 ms

Below is generated by plot.py at 2018-07-02 09:48:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 262.67 Mbit/s

95th percentile per-packet one-way delay: 165.953 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 151.88 Mbit/s

95th percentile per-packet one-way delay: 143.668 ms

Loss rate: 1.66%

-- Flow 2:

Average throughput: 120.35 Mbit/s

95th percentile per-packet one-way delay: 174.265 ms

Loss rate: 1.22%

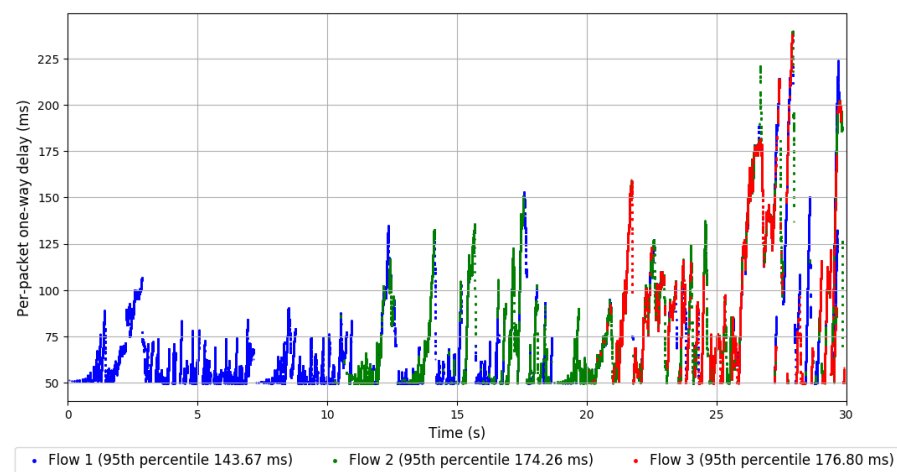
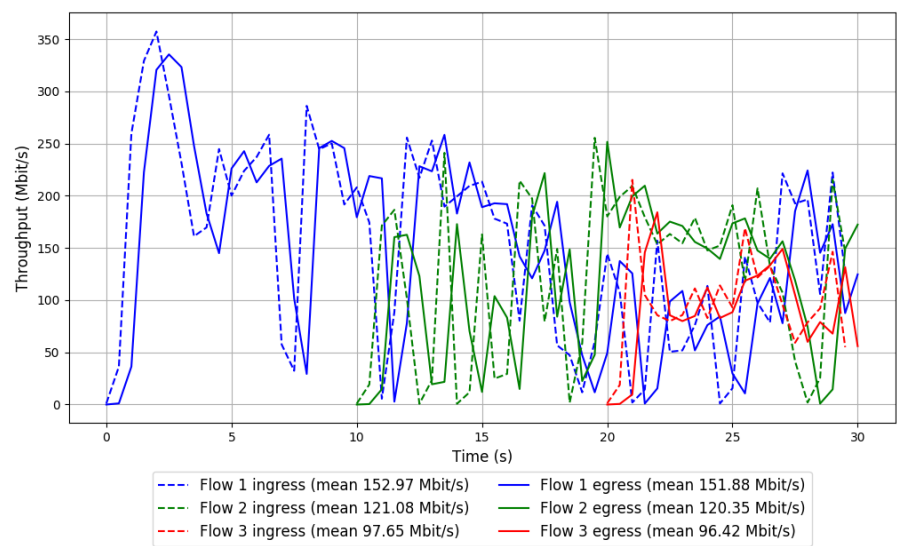
-- Flow 3:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 176.796 ms

Loss rate: 2.31%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-07-02 06:16:36

End at: 2018-07-02 06:17:06

Local clock offset: -0.316 ms

Remote clock offset: 0.203 ms

Below is generated by plot.py at 2018-07-02 09:49:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 279.38 Mbit/s

95th percentile per-packet one-way delay: 186.852 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 152.29 Mbit/s

95th percentile per-packet one-way delay: 172.700 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 146.57 Mbit/s

95th percentile per-packet one-way delay: 177.324 ms

Loss rate: 0.94%

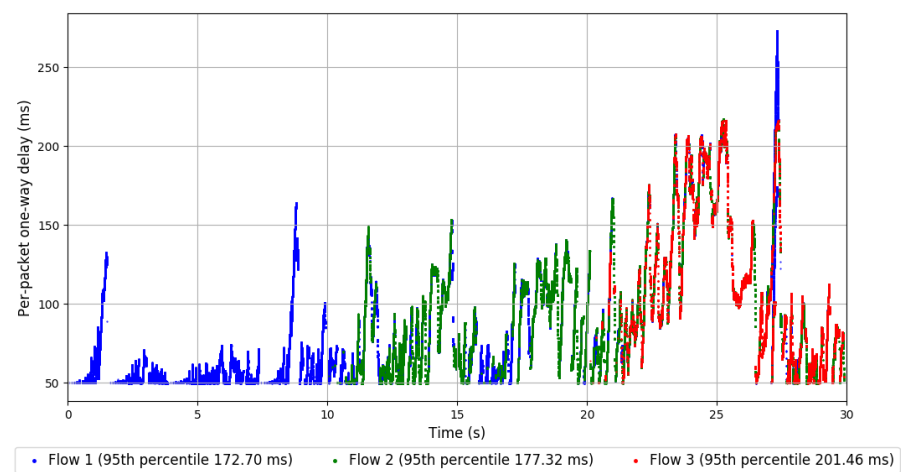
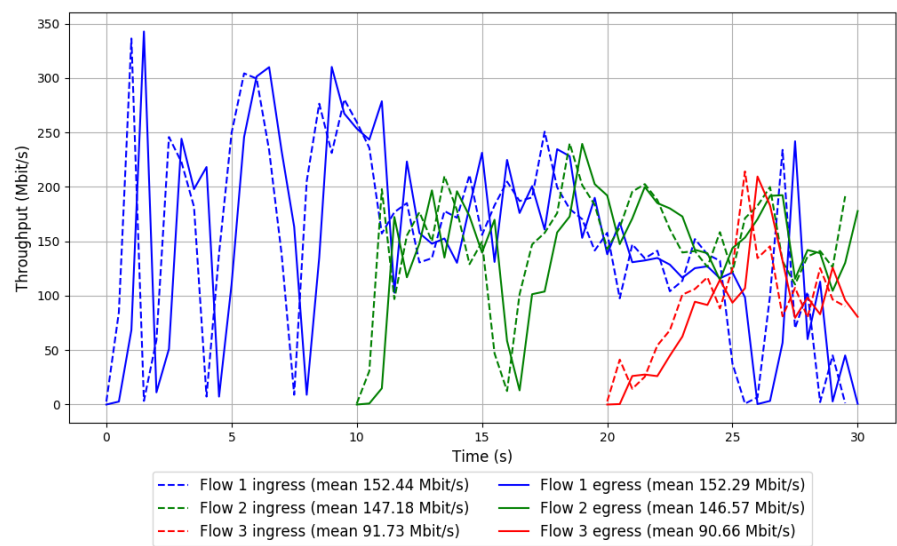
-- Flow 3:

Average throughput: 90.66 Mbit/s

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

Loss rate: 2.33%

Run 6: Report of Verus — Data Link

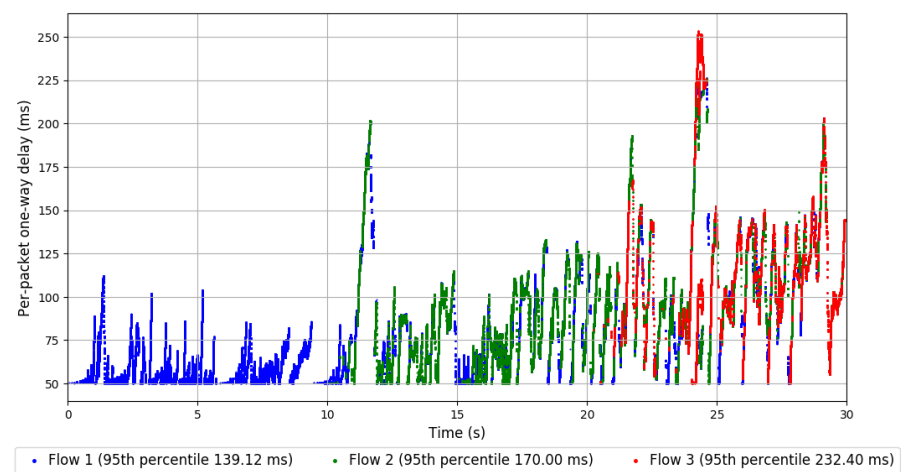
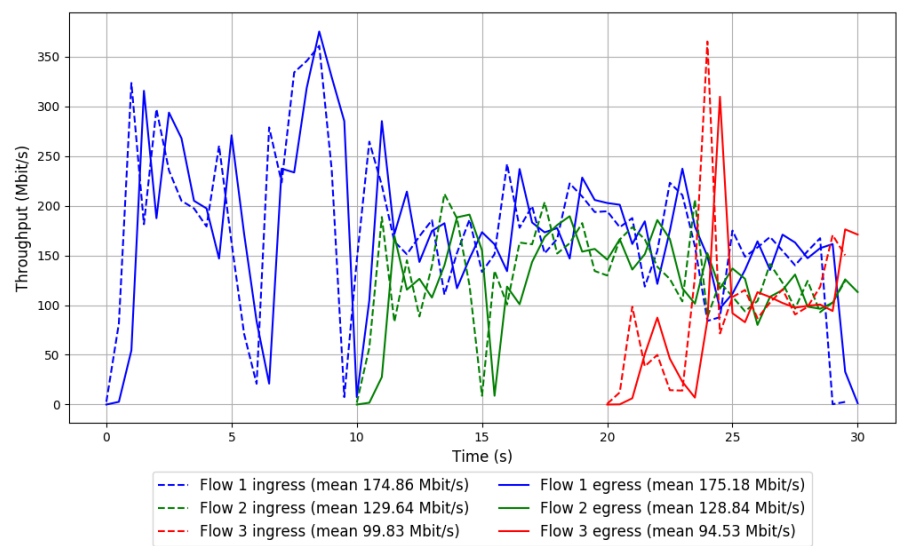


Run 7: Statistics of Verus

Start at: 2018-07-02 06:39:58
End at: 2018-07-02 06:40:28
Local clock offset: -0.012 ms
Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-07-02 09:50:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 291.66 Mbit/s
95th percentile per-packet one-way delay: 153.140 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 175.18 Mbit/s
95th percentile per-packet one-way delay: 139.119 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 128.84 Mbit/s
95th percentile per-packet one-way delay: 170.002 ms
Loss rate: 0.92%
-- Flow 3:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 232.404 ms
Loss rate: 5.01%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-07-02 07:02:58

End at: 2018-07-02 07:03:28

Local clock offset: -0.034 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-02 09:50:48

Datalink statistics

-- Total of 3 flows:

Average throughput: 270.48 Mbit/s

95th percentile per-packet one-way delay: 212.801 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 153.68 Mbit/s

95th percentile per-packet one-way delay: 196.010 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 150.06 Mbit/s

95th percentile per-packet one-way delay: 216.123 ms

Loss rate: 1.46%

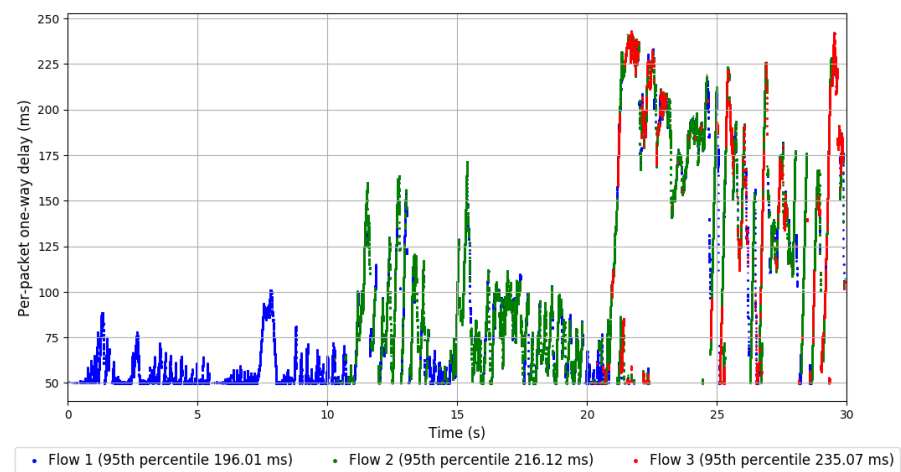
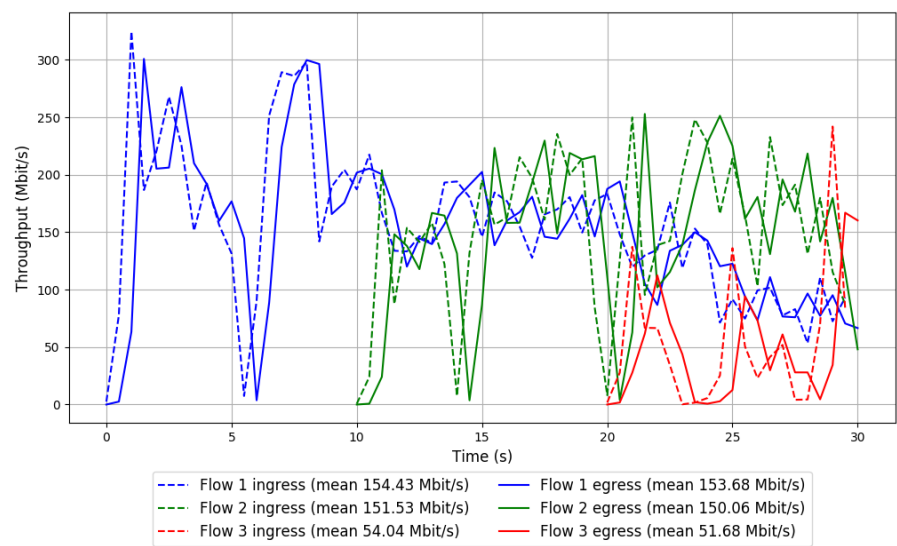
-- Flow 3:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 235.071 ms

Loss rate: 5.38%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2018-07-02 07:25:59

End at: 2018-07-02 07:26:29

Local clock offset: -0.048 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-02 09:51:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 282.65 Mbit/s

95th percentile per-packet one-way delay: 154.658 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 135.43 Mbit/s

95th percentile per-packet one-way delay: 141.619 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 157.17 Mbit/s

95th percentile per-packet one-way delay: 171.720 ms

Loss rate: 0.79%

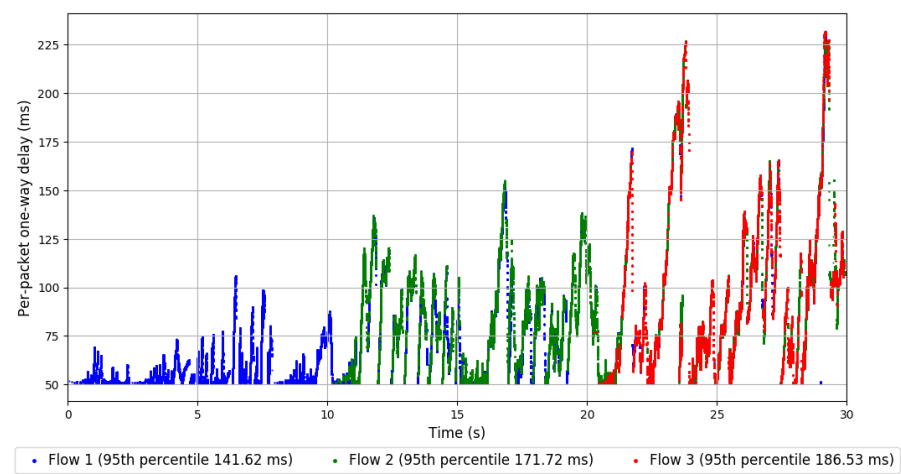
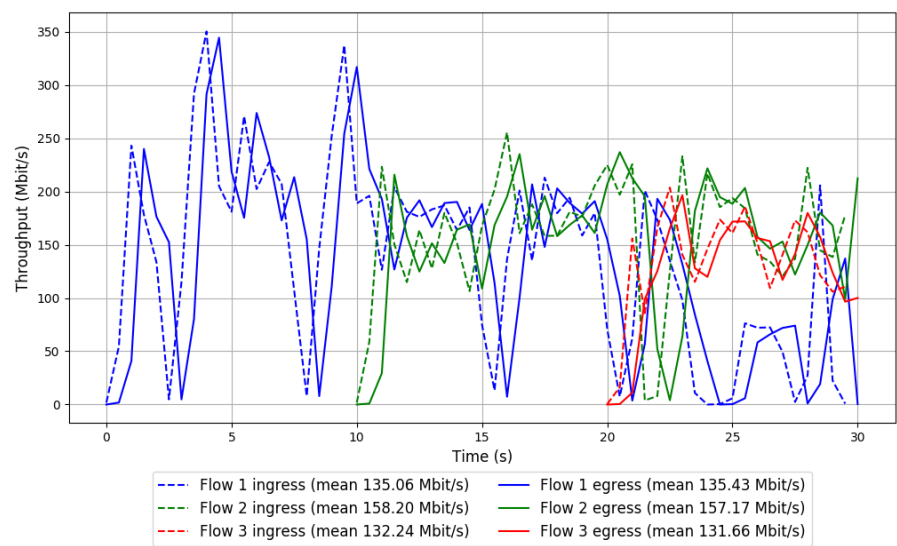
-- Flow 3:

Average throughput: 131.66 Mbit/s

95th percentile per-packet one-way delay: 186.527 ms

Loss rate: 2.14%

Run 9: Report of Verus — Data Link

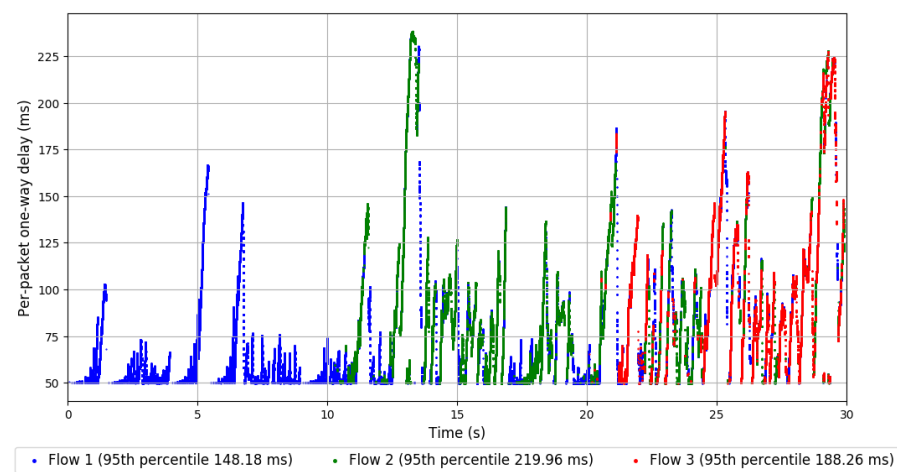
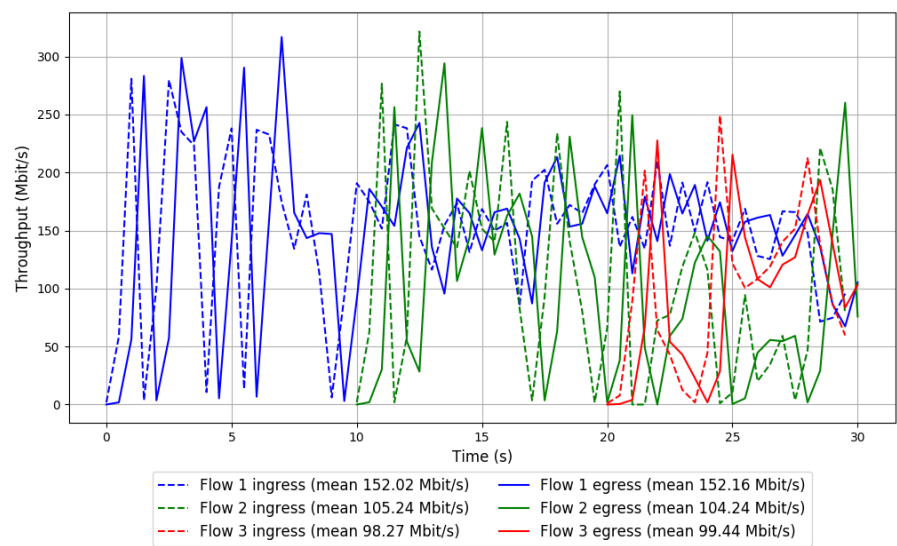


Run 10: Statistics of Verus

Start at: 2018-07-02 07:49:07
End at: 2018-07-02 07:49:37
Local clock offset: -0.077 ms
Remote clock offset: -0.219 ms

Below is generated by plot.py at 2018-07-02 09:51:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 253.93 Mbit/s
95th percentile per-packet one-way delay: 185.285 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 152.16 Mbit/s
95th percentile per-packet one-way delay: 148.183 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 104.24 Mbit/s
95th percentile per-packet one-way delay: 219.964 ms
Loss rate: 0.91%
-- Flow 3:
Average throughput: 99.44 Mbit/s
95th percentile per-packet one-way delay: 188.258 ms
Loss rate: 0.25%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-02 04:04:24

End at: 2018-07-02 04:04:54

Local clock offset: 0.05 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-07-02 09:55:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.65 Mbit/s

95th percentile per-packet one-way delay: 50.850 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 249.10 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 237.97 Mbit/s

95th percentile per-packet one-way delay: 50.820 ms

Loss rate: 0.51%

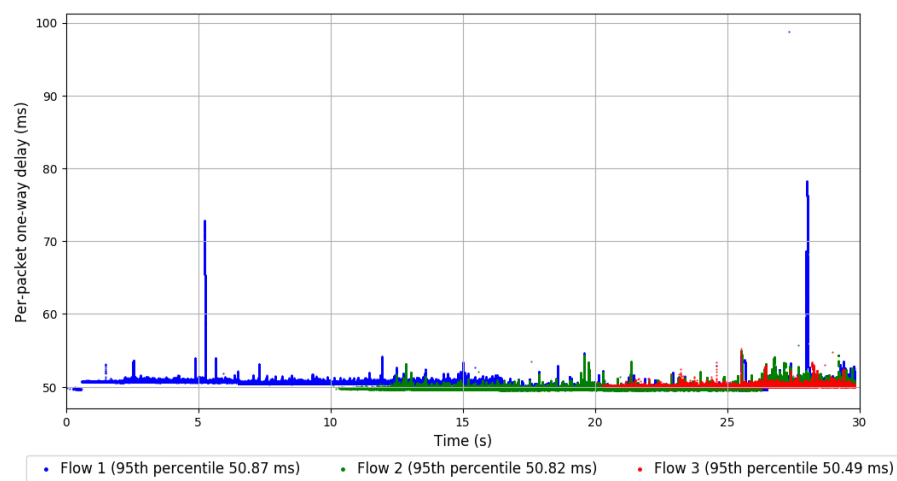
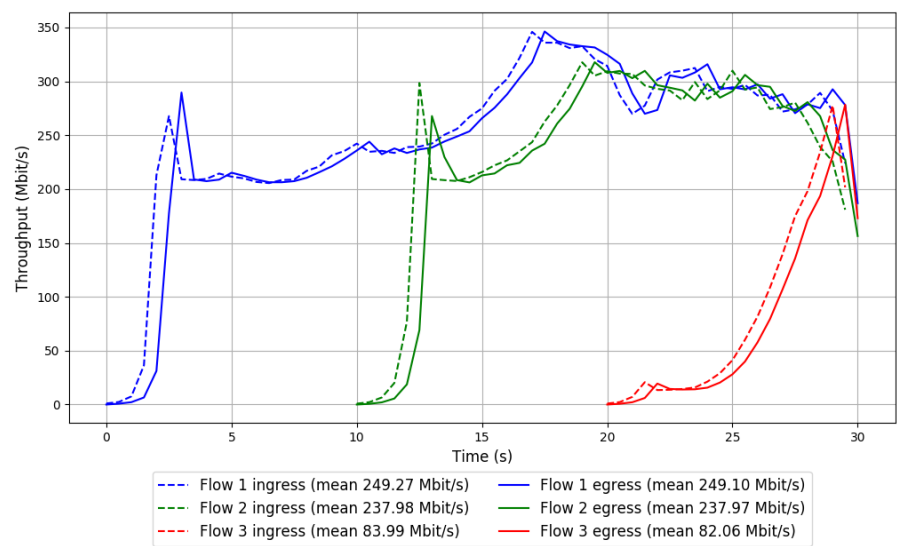
-- Flow 3:

Average throughput: 82.06 Mbit/s

95th percentile per-packet one-way delay: 50.487 ms

Loss rate: 3.31%

Run 1: Report of PCC-Vivace — Data Link

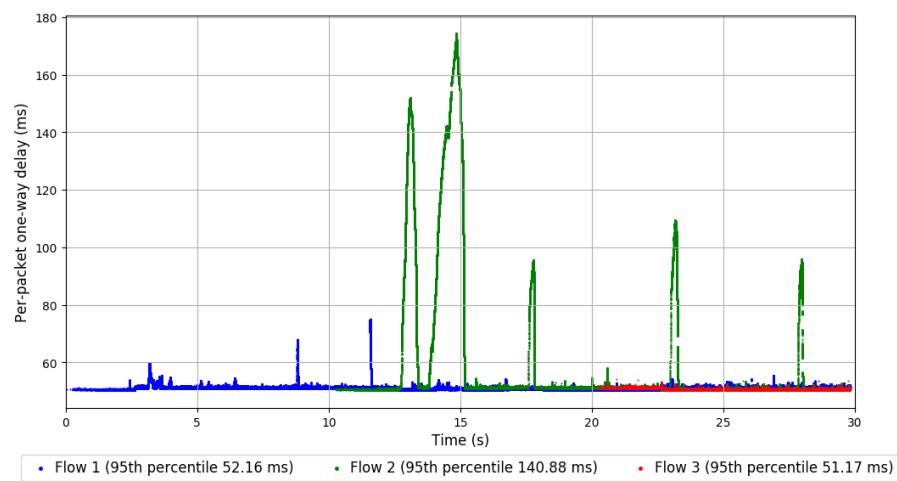
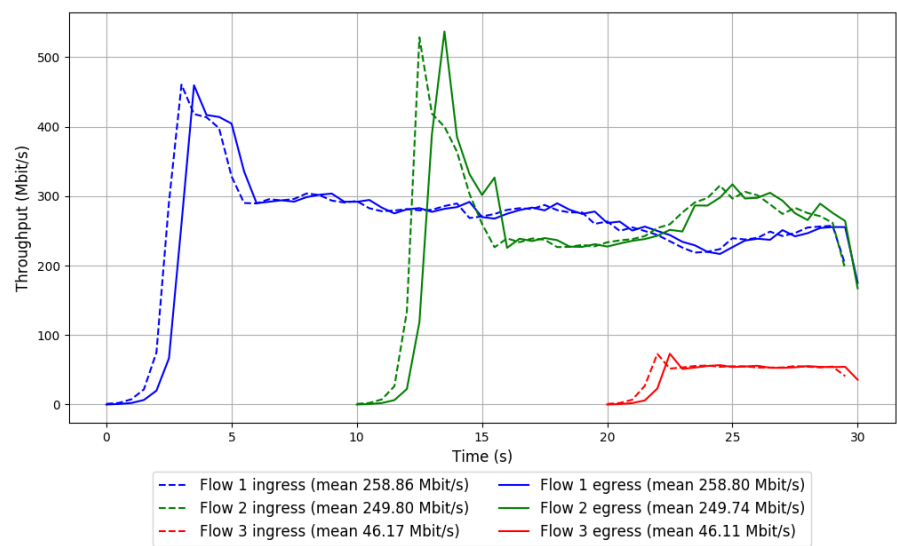


Run 2: Statistics of PCC-Vivace

Start at: 2018-07-02 04:27:18
End at: 2018-07-02 04:27:48
Local clock offset: 0.434 ms
Remote clock offset: -0.198 ms

Below is generated by plot.py at 2018-07-02 09:56:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 439.70 Mbit/s
95th percentile per-packet one-way delay: 91.664 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 258.80 Mbit/s
95th percentile per-packet one-way delay: 52.162 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 249.74 Mbit/s
95th percentile per-packet one-way delay: 140.883 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 51.168 ms
Loss rate: 1.19%

Run 2: Report of PCC-Vivace — Data Link

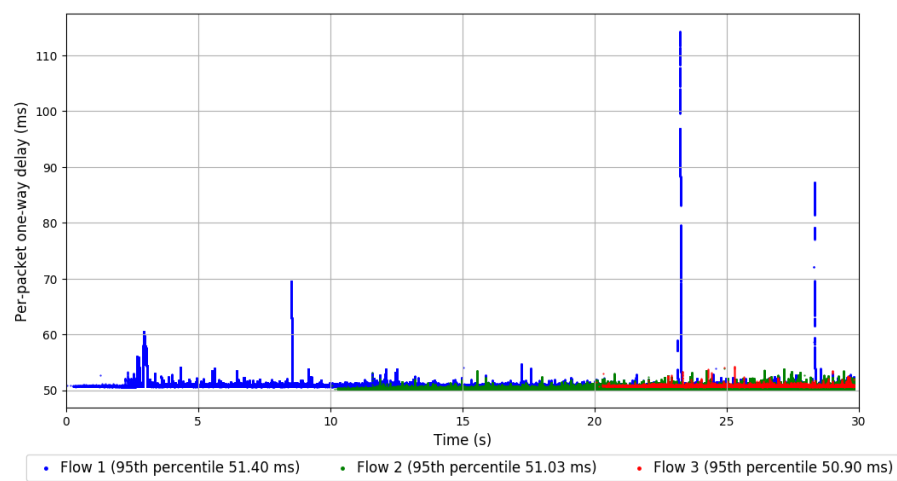
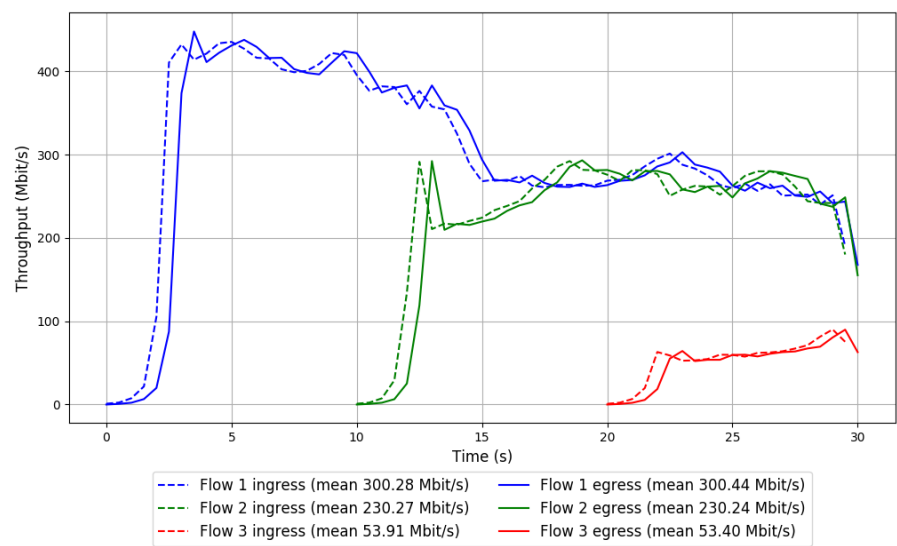


Run 3: Statistics of PCC-Vivace

Start at: 2018-07-02 04:50:21
End at: 2018-07-02 04:50:51
Local clock offset: 0.103 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-02 09:57:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 470.79 Mbit/s
95th percentile per-packet one-way delay: 51.237 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 300.44 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 230.24 Mbit/s
95th percentile per-packet one-way delay: 51.030 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 53.40 Mbit/s
95th percentile per-packet one-way delay: 50.904 ms
Loss rate: 2.04%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-02 05:13:27

End at: 2018-07-02 05:13:57

Local clock offset: 0.031 ms

Remote clock offset: 0.023 ms

Below is generated by plot.py at 2018-07-02 09:58:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 455.55 Mbit/s

95th percentile per-packet one-way delay: 51.046 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 238.68 Mbit/s

95th percentile per-packet one-way delay: 50.413 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 240.72 Mbit/s

95th percentile per-packet one-way delay: 51.391 ms

Loss rate: 0.52%

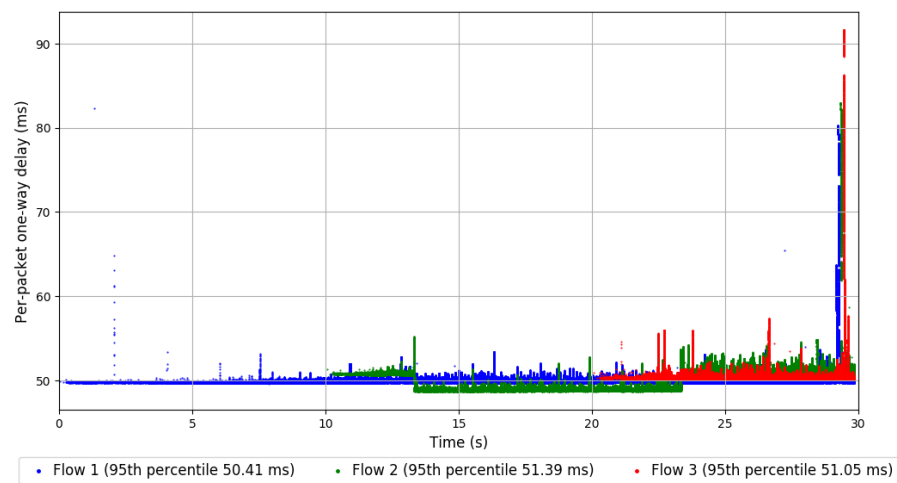
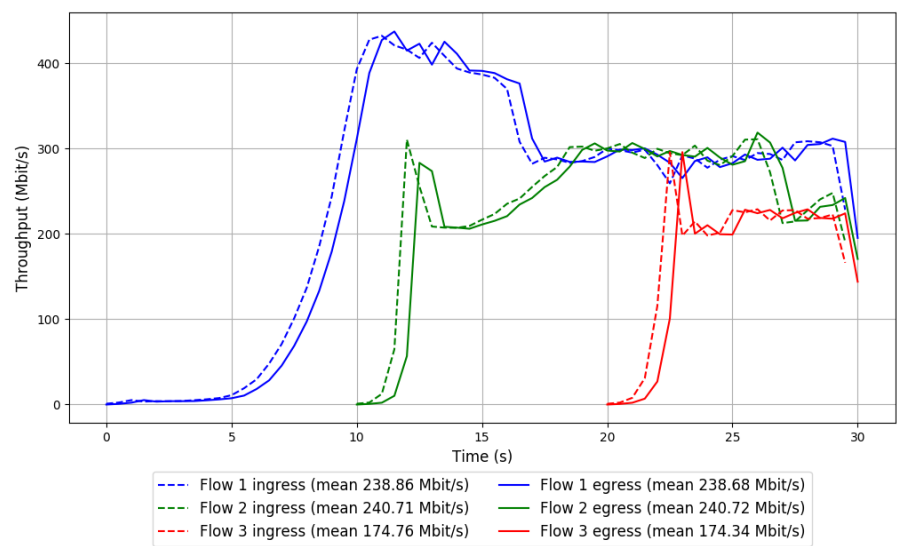
-- Flow 3:

Average throughput: 174.34 Mbit/s

95th percentile per-packet one-way delay: 51.050 ms

Loss rate: 1.27%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-02 05:36:30

End at: 2018-07-02 05:37:00

Local clock offset: 0.065 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-02 09:59:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 443.21 Mbit/s

95th percentile per-packet one-way delay: 51.385 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 272.40 Mbit/s

95th percentile per-packet one-way delay: 51.435 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 232.26 Mbit/s

95th percentile per-packet one-way delay: 51.358 ms

Loss rate: 0.64%

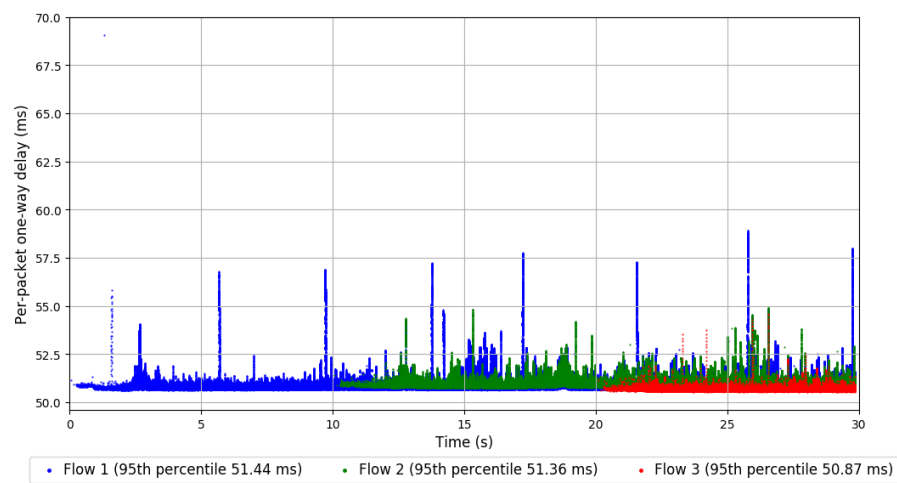
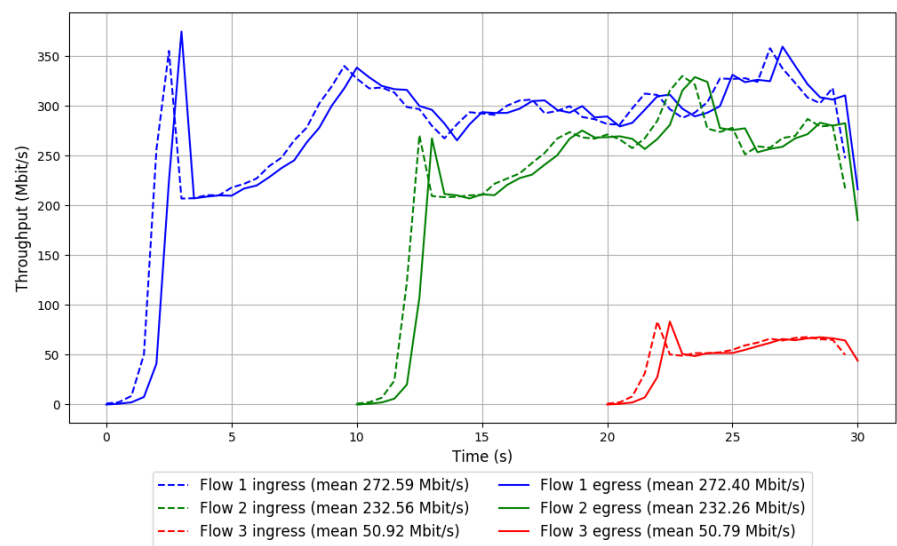
-- Flow 3:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 1.28%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-02 05:59:32

End at: 2018-07-02 06:00:02

Local clock offset: -0.322 ms

Remote clock offset: 0.148 ms

Below is generated by plot.py at 2018-07-02 09:59:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 467.36 Mbit/s

95th percentile per-packet one-way delay: 51.953 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 293.80 Mbit/s

95th percentile per-packet one-way delay: 50.965 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 210.87 Mbit/s

95th percentile per-packet one-way delay: 61.423 ms

Loss rate: 0.37%

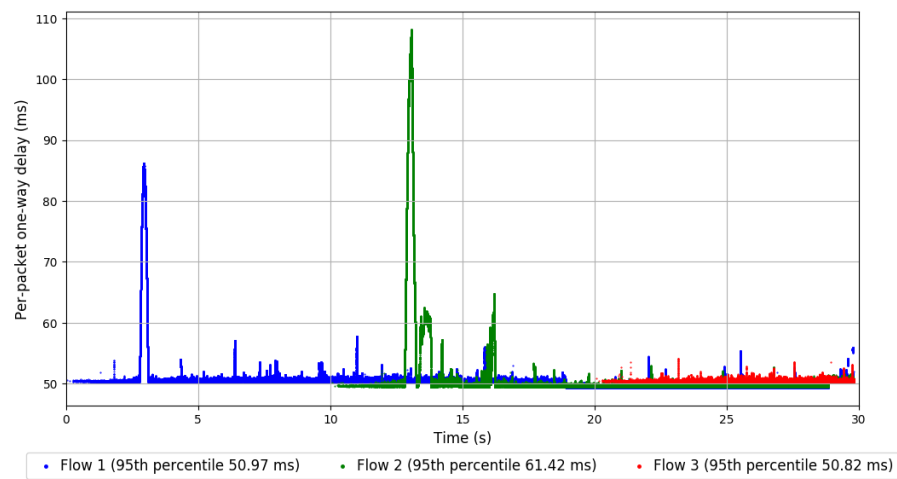
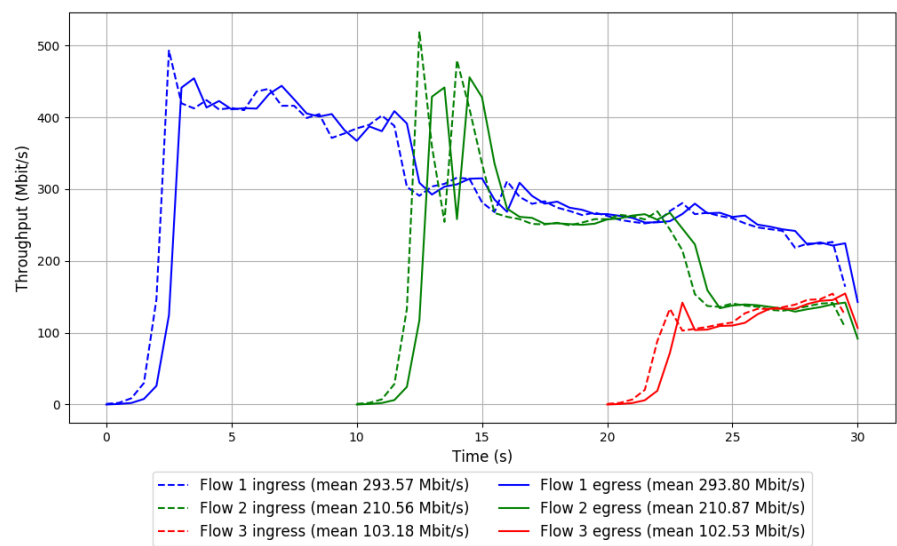
-- Flow 3:

Average throughput: 102.53 Mbit/s

95th percentile per-packet one-way delay: 50.816 ms

Loss rate: 1.67%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-07-02 06:22:46

End at: 2018-07-02 06:23:16

Local clock offset: -0.356 ms

Remote clock offset: 0.151 ms

Below is generated by plot.py at 2018-07-02 09:59:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 427.72 Mbit/s

95th percentile per-packet one-way delay: 50.598 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 241.67 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 250.92 Mbit/s

95th percentile per-packet one-way delay: 50.124 ms

Loss rate: 0.62%

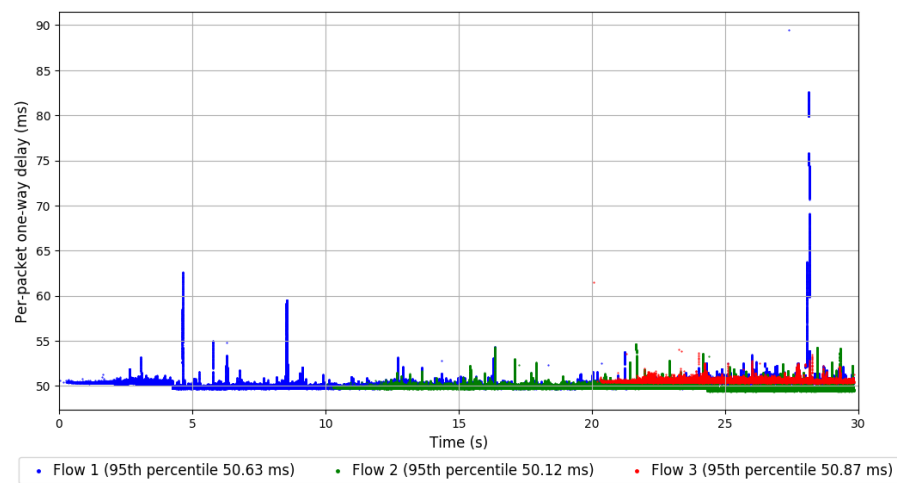
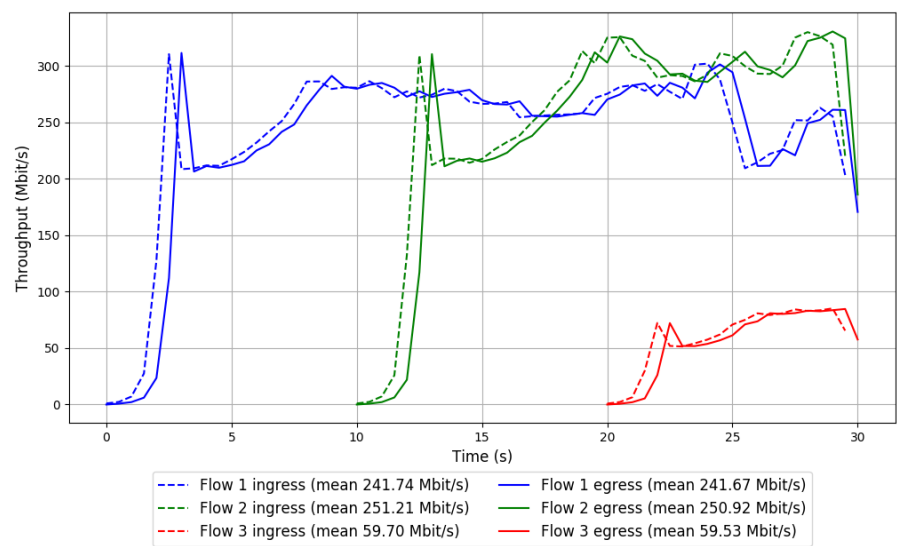
-- Flow 3:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 50.865 ms

Loss rate: 1.42%

Run 7: Report of PCC-Vivace — Data Link

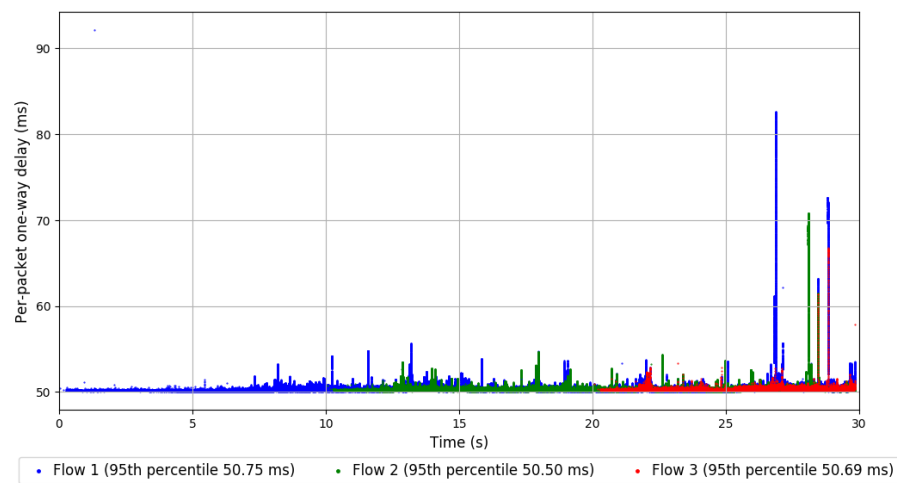
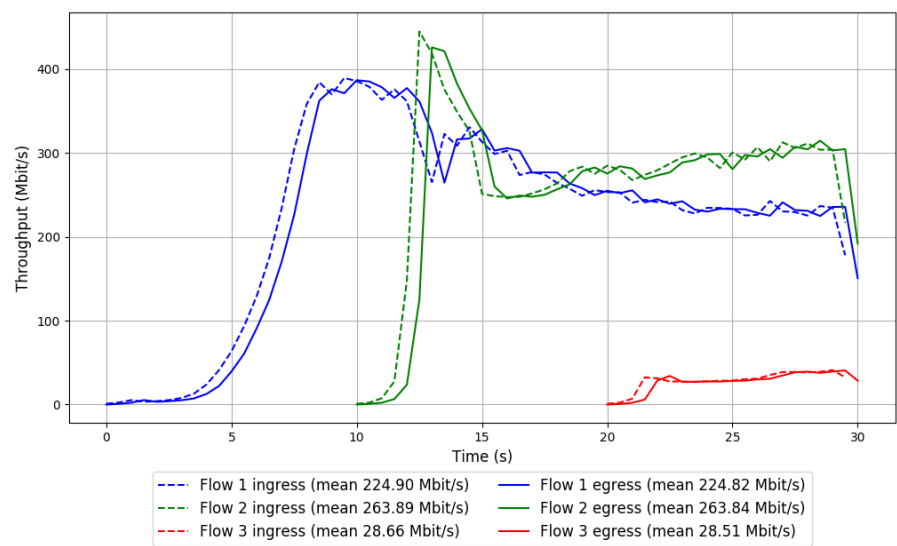


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-02 06:46:01
End at: 2018-07-02 06:46:31
Local clock offset: 0.009 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-02 09:59:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 409.23 Mbit/s
95th percentile per-packet one-way delay: 50.659 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 224.82 Mbit/s
95th percentile per-packet one-way delay: 50.749 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 263.84 Mbit/s
95th percentile per-packet one-way delay: 50.503 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 28.51 Mbit/s
95th percentile per-packet one-way delay: 50.693 ms
Loss rate: 1.48%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-02 07:08:57

End at: 2018-07-02 07:09:27

Local clock offset: -0.033 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-02 10:00:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 460.84 Mbit/s

95th percentile per-packet one-way delay: 51.048 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 265.15 Mbit/s

95th percentile per-packet one-way delay: 50.926 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 247.15 Mbit/s

95th percentile per-packet one-way delay: 51.173 ms

Loss rate: 0.57%

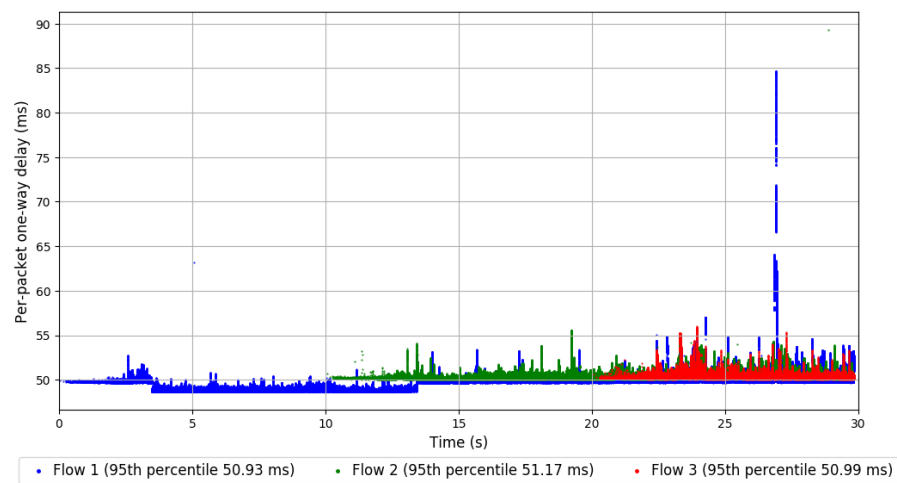
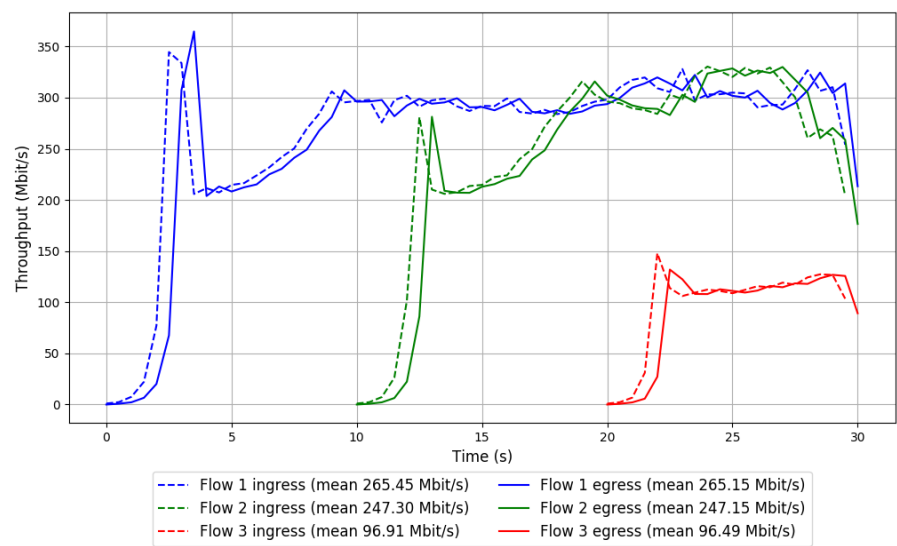
-- Flow 3:

Average throughput: 96.49 Mbit/s

95th percentile per-packet one-way delay: 50.989 ms

Loss rate: 1.46%

Run 9: Report of PCC-Vivace — Data Link

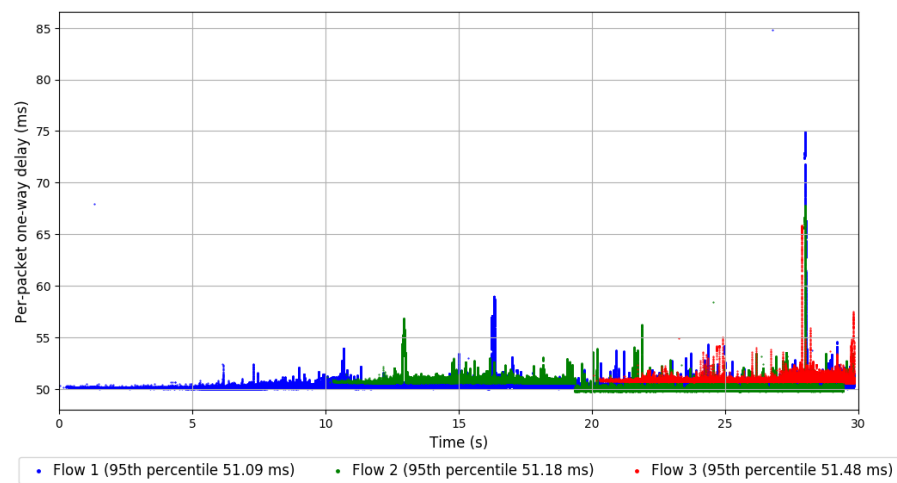
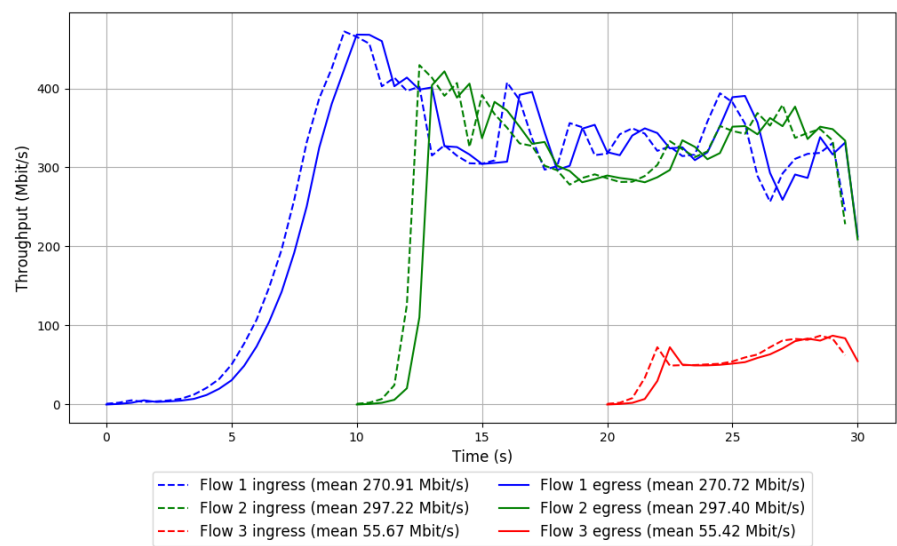


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-02 07:32:01
End at: 2018-07-02 07:32:31
Local clock offset: -0.106 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-02 10:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 486.30 Mbit/s
95th percentile per-packet one-way delay: 51.167 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 270.72 Mbit/s
95th percentile per-packet one-way delay: 51.094 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 297.40 Mbit/s
95th percentile per-packet one-way delay: 51.180 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 55.42 Mbit/s
95th percentile per-packet one-way delay: 51.475 ms
Loss rate: 1.50%

Run 10: Report of PCC-Vivace — Data Link

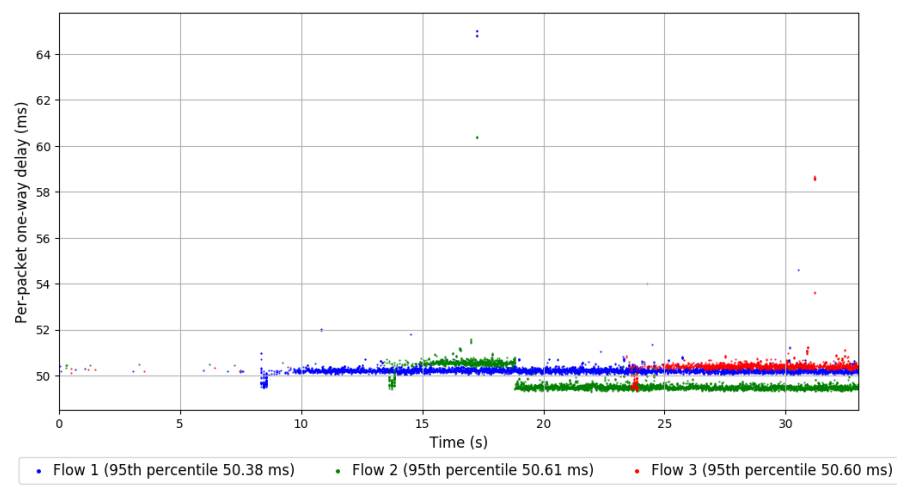
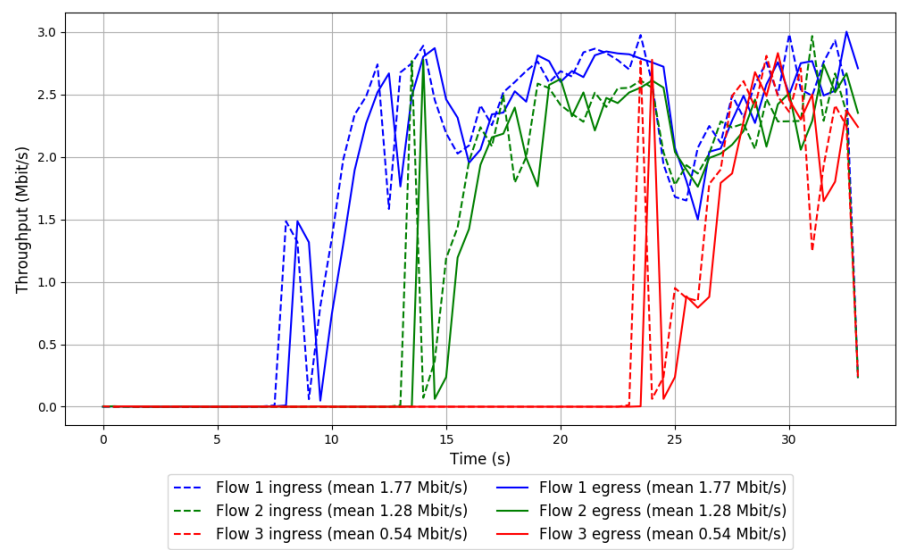


Run 1: Statistics of WebRTC media

Start at: 2018-07-02 04:16:15
End at: 2018-07-02 04:16:45
Local clock offset: -0.324 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-02 10:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 50.385 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.612 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 50.600 ms
Loss rate: 1.31%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-02 04:39:18

End at: 2018-07-02 04:39:48

Local clock offset: 0.094 ms

Remote clock offset: -0.13 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 50.941 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 50.608 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 51.060 ms

Loss rate: 1.07%

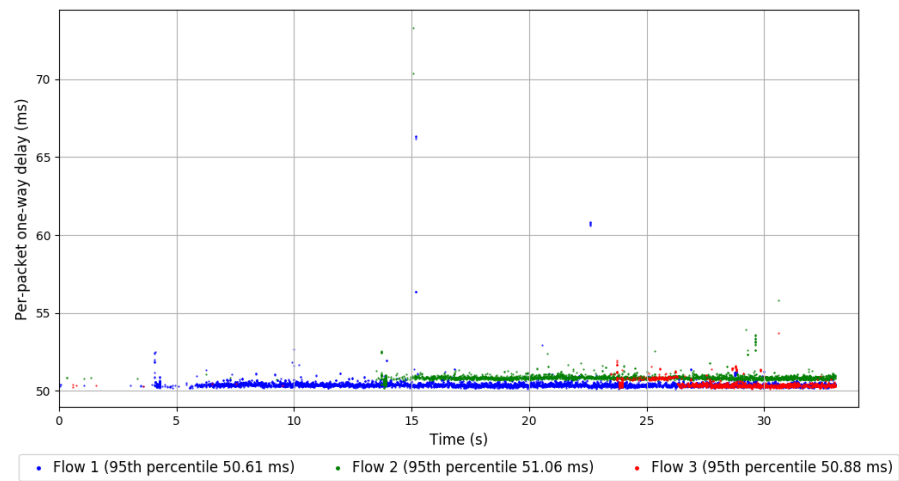
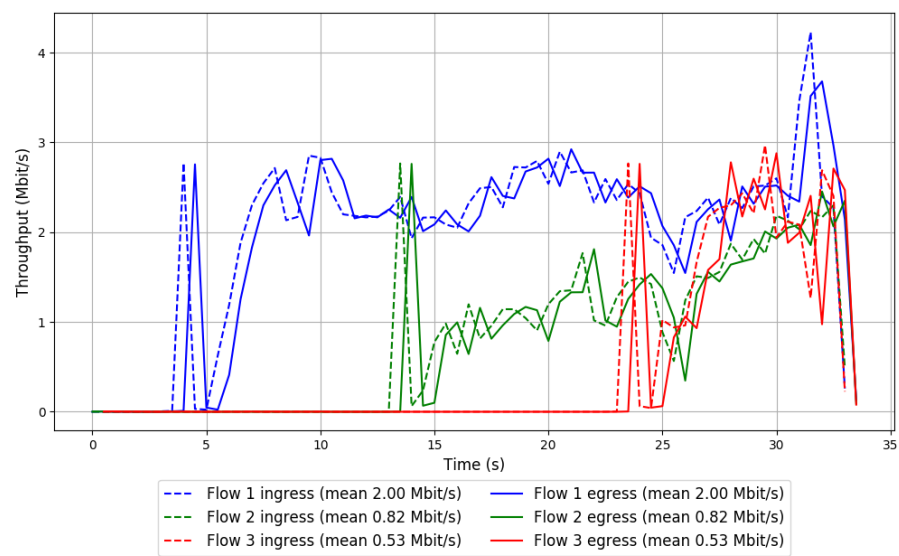
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.876 ms

Loss rate: 1.09%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

End at: 2018-07-02 05:02:46

Local clock offset: 0.078 ms

Remote clock offset: 0.028 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 50.856 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 50.819 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 50.387 ms

Loss rate: 0.57%

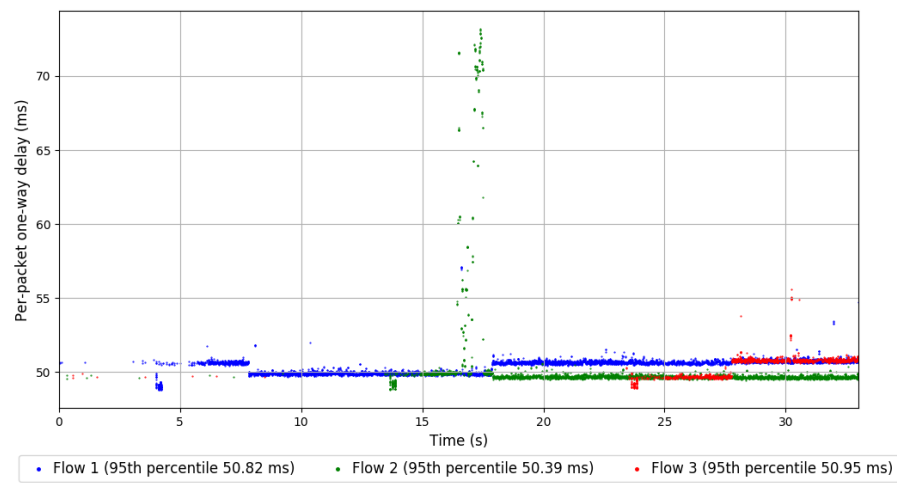
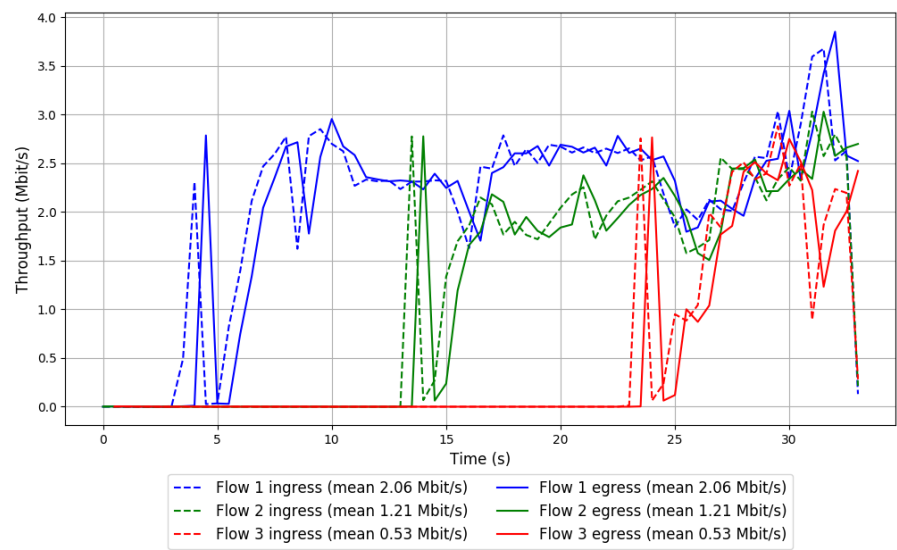
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.955 ms

Loss rate: 1.33%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-02 05:25:29

End at: 2018-07-02 05:25:59

Local clock offset: -0.312 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.23 Mbit/s

95th percentile per-packet one-way delay: 49.631 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 49.707 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 48.741 ms

Loss rate: 4.13%

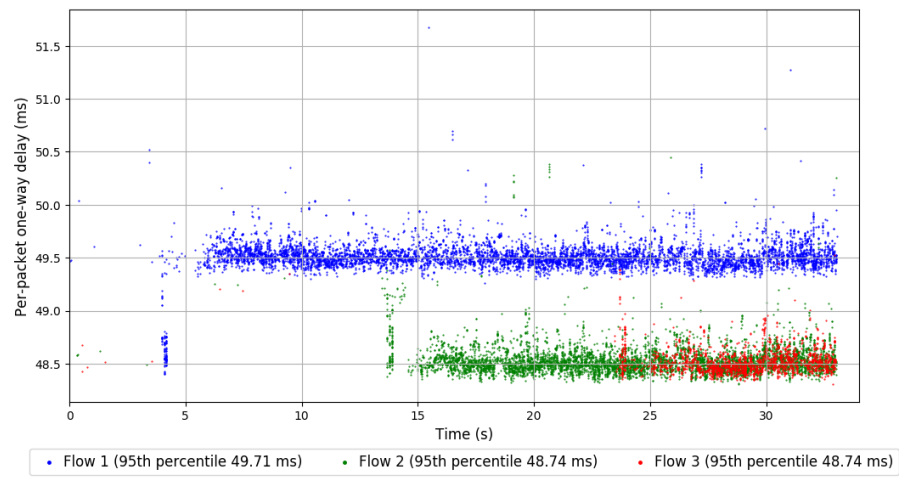
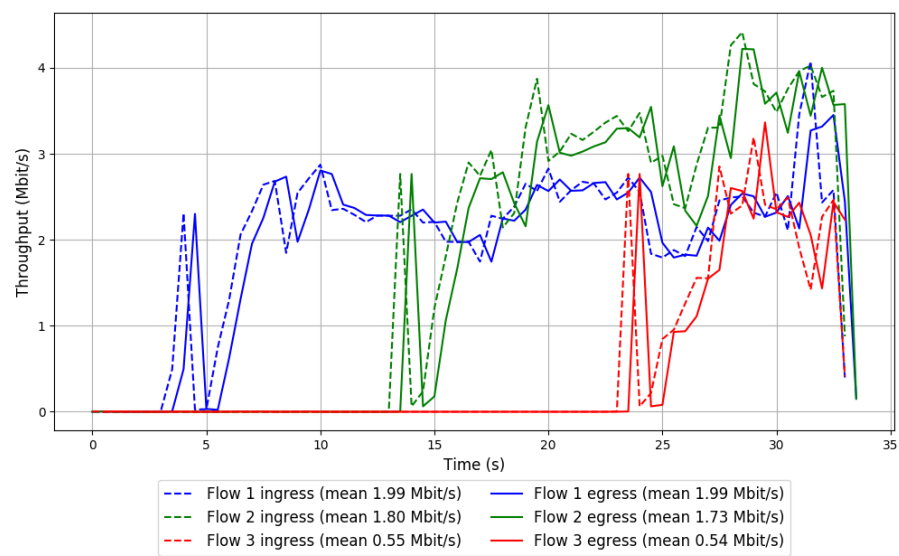
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 48.744 ms

Loss rate: 1.79%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-02 05:48:20

End at: 2018-07-02 05:48:50

Local clock offset: 0.056 ms

Remote clock offset: 0.104 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 50.958 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.926 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 50.854 ms

Loss rate: 0.52%

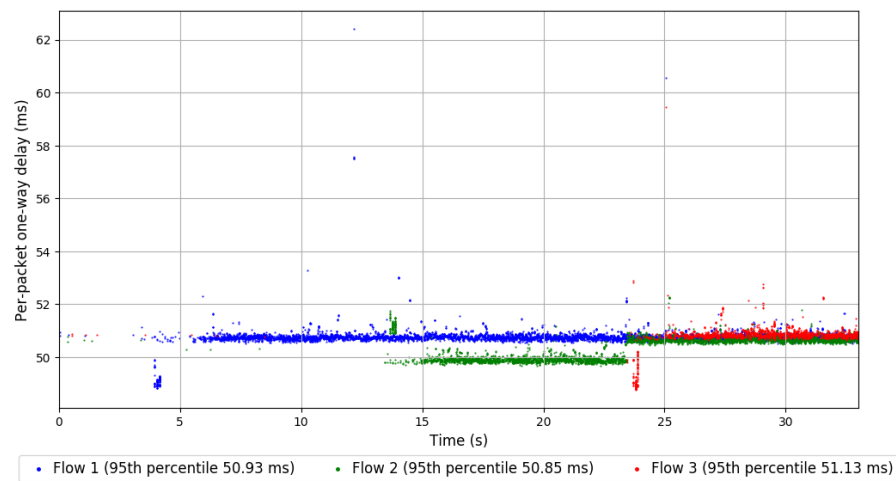
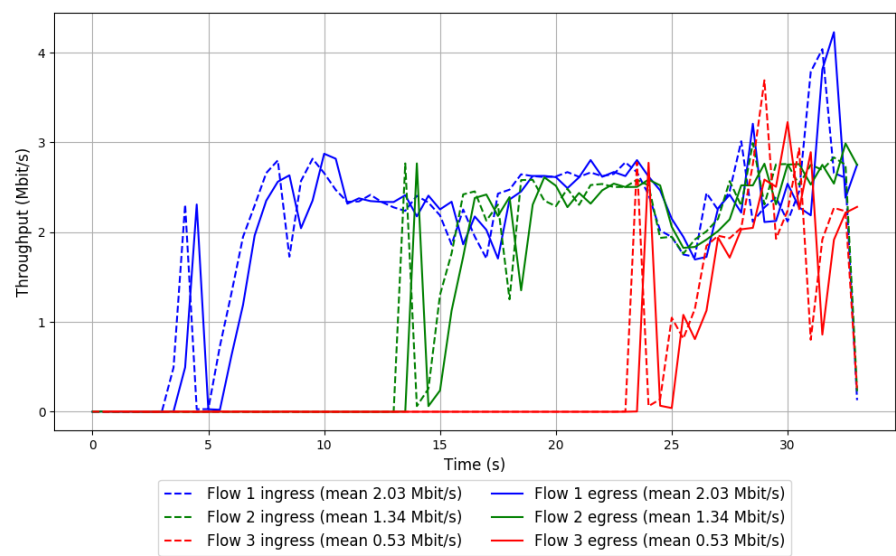
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 51.127 ms

Loss rate: 1.18%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-07-02 06:11:27

End at: 2018-07-02 06:11:57

Local clock offset: 0.035 ms

Remote clock offset: 0.208 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 50.565 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 50.537 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.359 ms

Loss rate: 0.61%

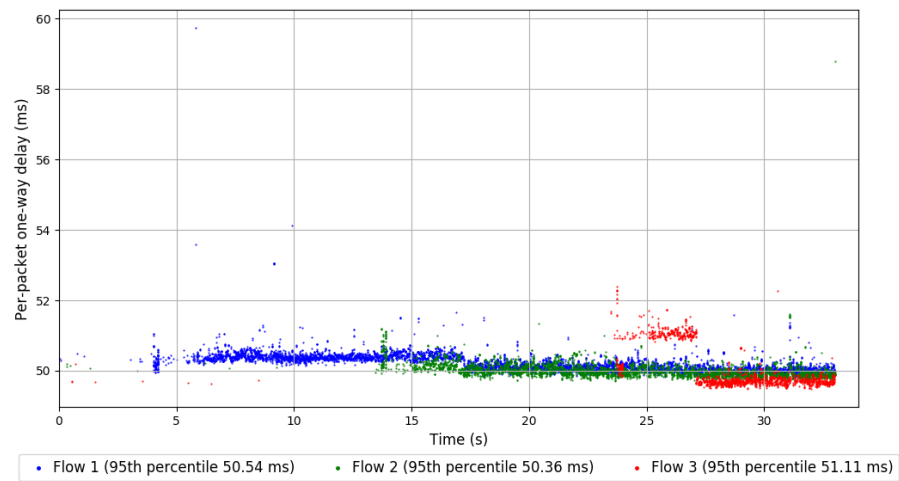
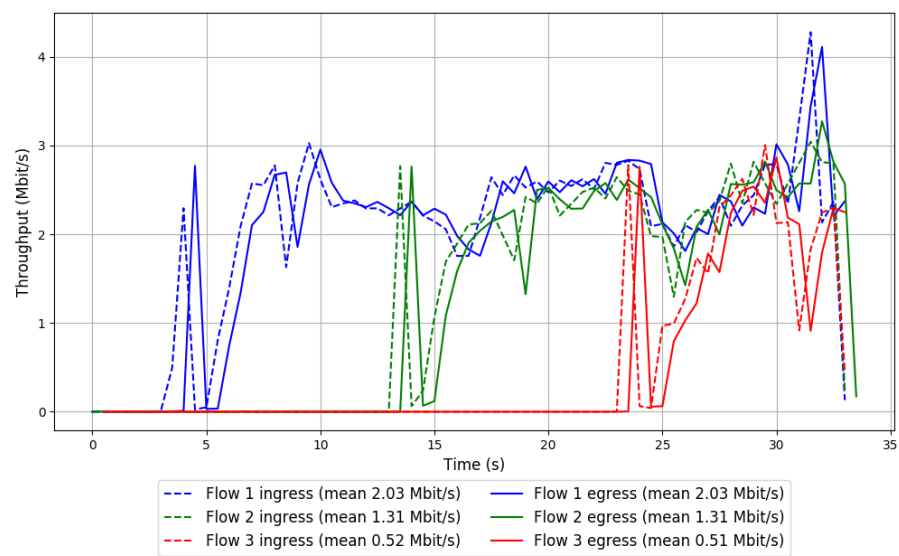
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 51.113 ms

Loss rate: 2.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-07-02 06:34:49

End at: 2018-07-02 06:35:19

Local clock offset: 0.018 ms

Remote clock offset: 0.064 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 50.418 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 50.449 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 49.263 ms

Loss rate: 0.65%

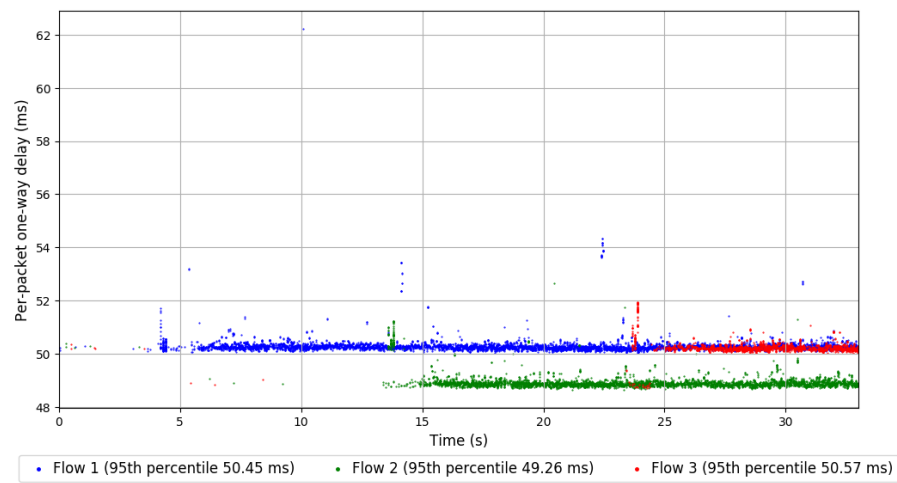
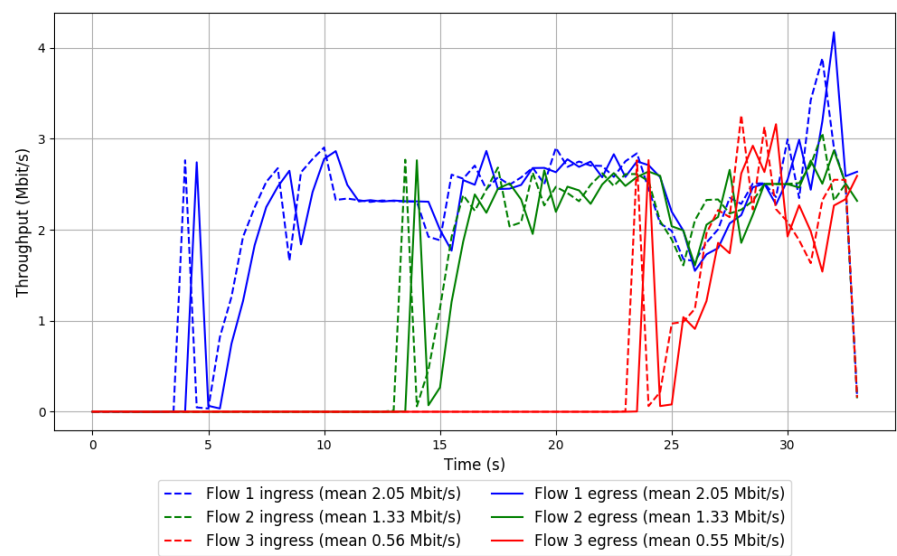
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 50.566 ms

Loss rate: 1.51%

Run 7: Report of WebRTC media — Data Link

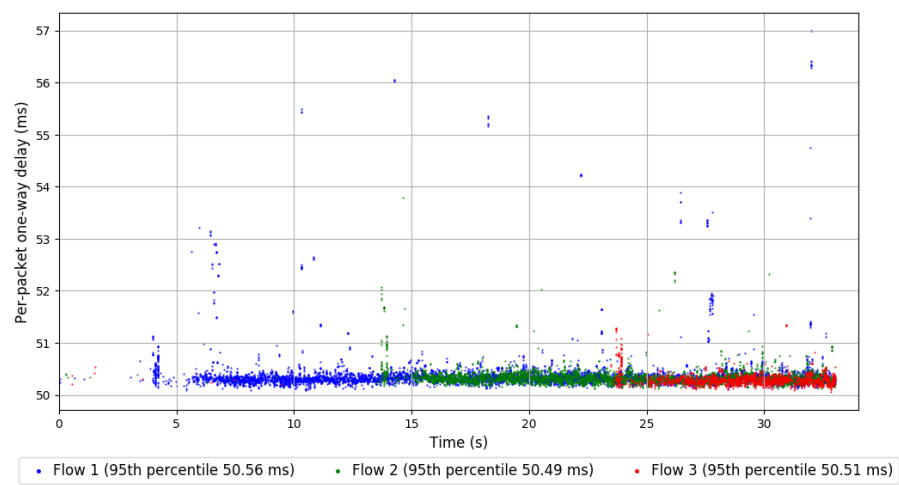
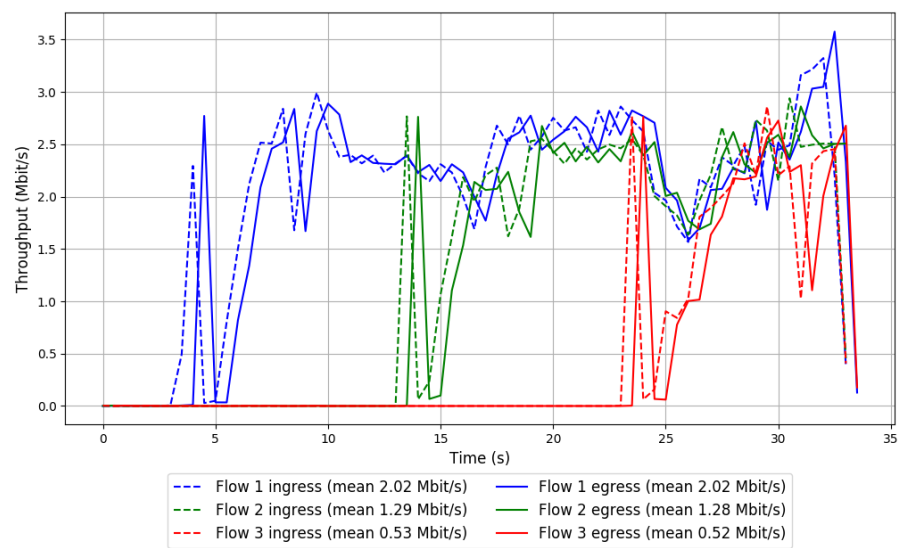


Run 8: Statistics of WebRTC media

Start at: 2018-07-02 06:57:50
End at: 2018-07-02 06:58:20
Local clock offset: -0.045 ms
Remote clock offset: -0.022 ms

```
# Below is generated by plot.py at 2018-07-02 10:00:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.81 Mbit/s
95th percentile per-packet one-way delay: 50.530 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.492 ms
Loss rate: 0.81%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 1.19%
```

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-07-02 07:20:52

End at: 2018-07-02 07:21:22

Local clock offset: -0.111 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-02 10:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 50.449 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 50.482 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 50.093 ms

Loss rate: 0.49%

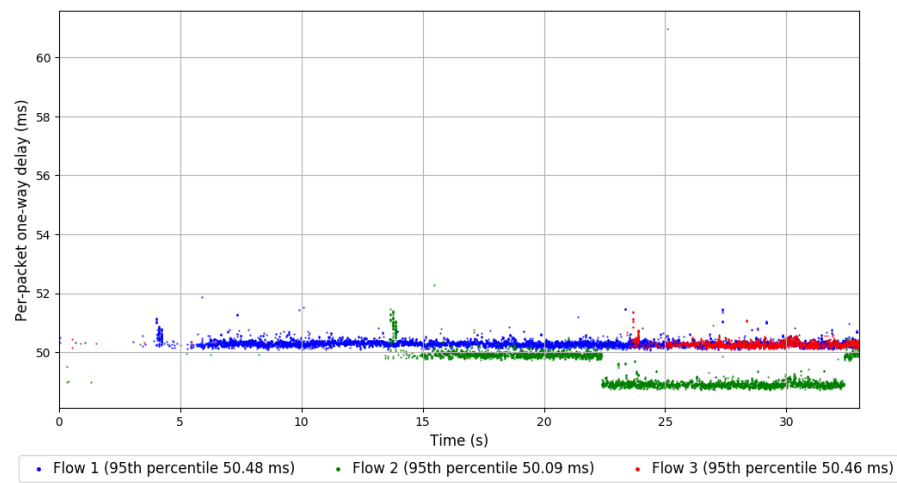
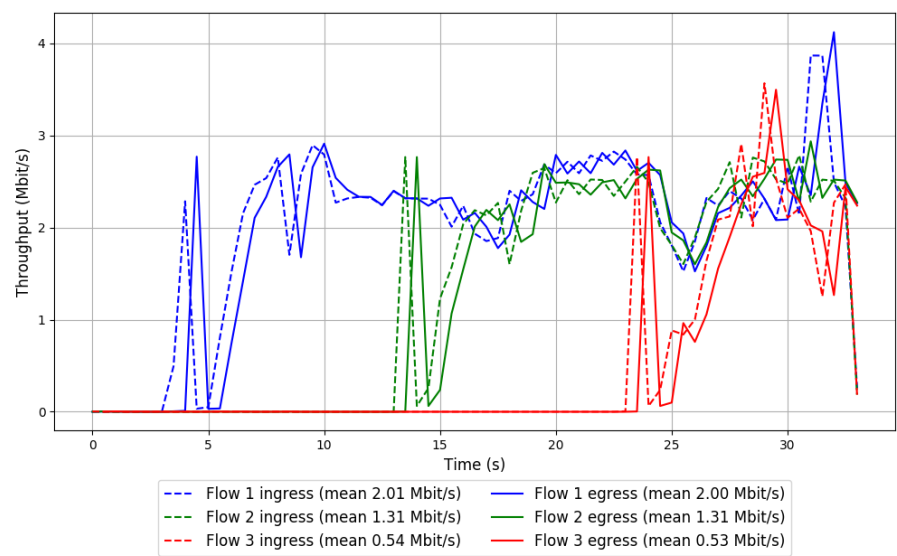
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 50.461 ms

Loss rate: 1.18%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-02 07:43:59
End at: 2018-07-02 07:44:29
Local clock offset: -0.084 ms
Remote clock offset: -0.216 ms

Below is generated by plot.py at 2018-07-02 10:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.83 Mbit/s
95th percentile per-packet one-way delay: 51.118 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 51.186 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 51.154 ms
Loss rate: 1.14%

Run 10: Report of WebRTC media — Data Link

