

Pantheon Report

Generated at 2018-07-24 20:15:13 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

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

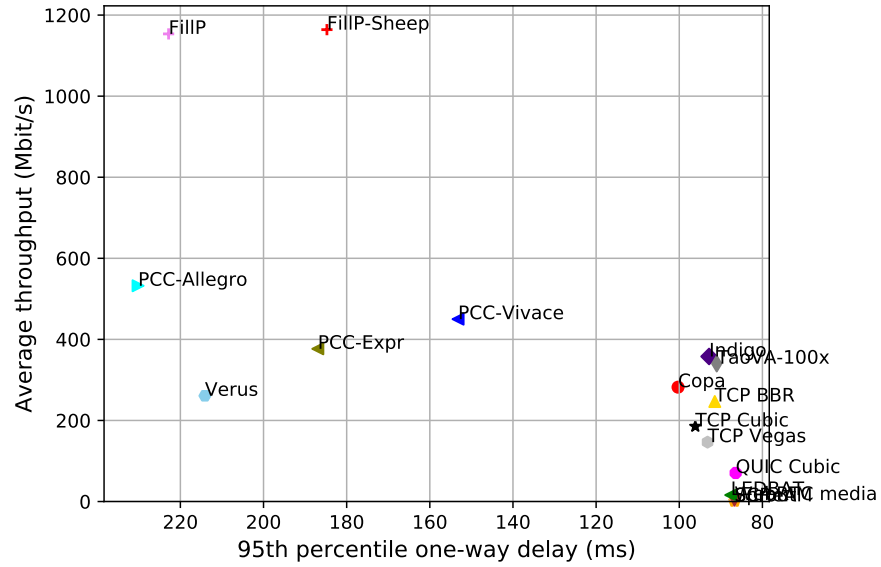
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

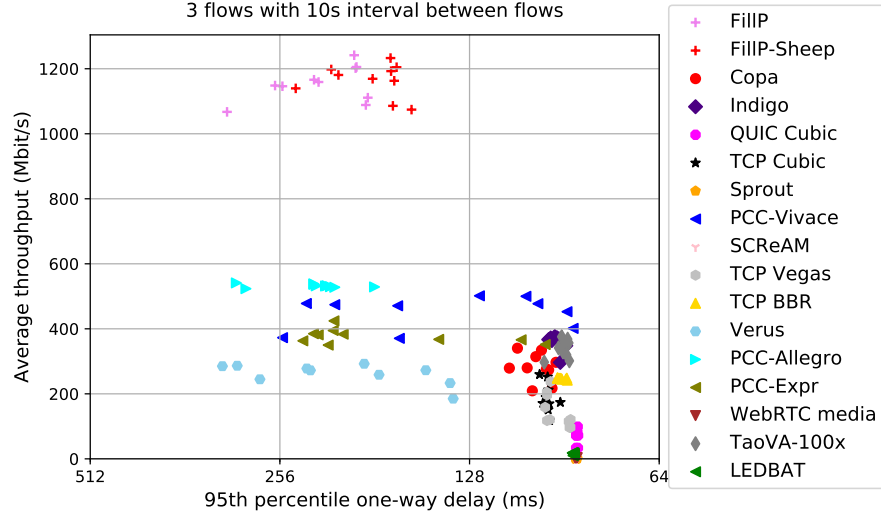
Git summary:

```
branch: master @ 640164b5b17c7c6561fff57729b3b5935d8596ce
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



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



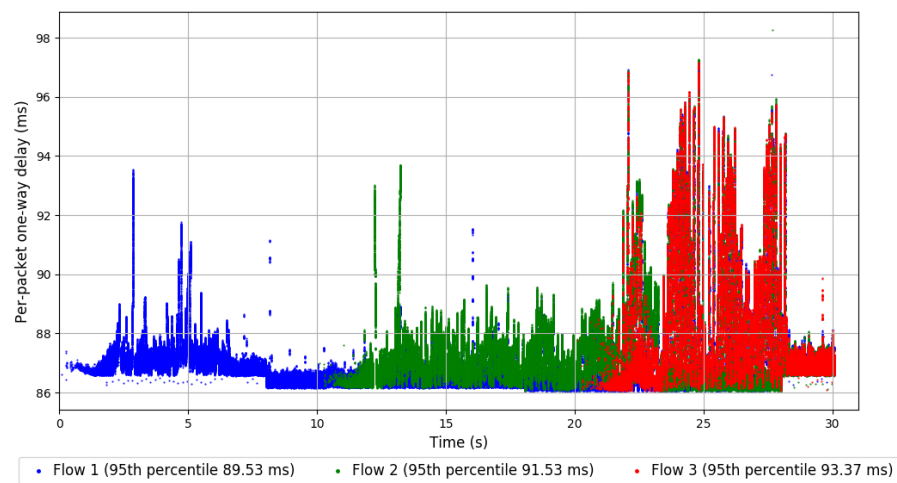
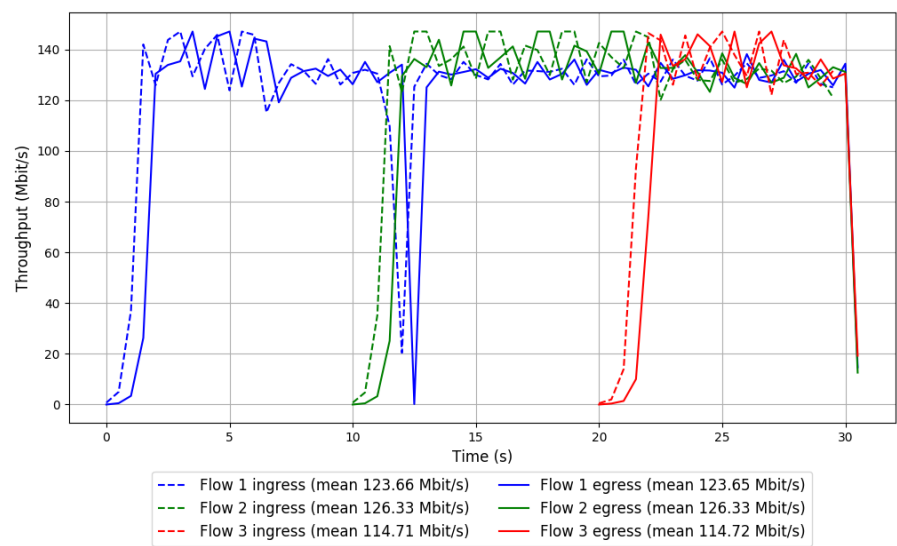
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	126.30	123.15	115.89	90.20	91.65	93.18	0.00	0.00	0.01
Copa	10	155.32	140.01	102.14	97.00	102.86	98.62	0.00	0.00	0.02
TCP Cubic	10	107.93	81.76	69.55	96.39	94.23	94.88	0.00	0.02	0.12
FillP	10	616.46	574.04	468.09	216.70	205.99	242.84	6.36	6.80	5.17
FillP-Sheep	10	628.76	566.75	477.11	185.43	181.36	169.65	1.37	1.62	1.16
Indigo	10	190.06	180.14	149.57	91.61	93.40	94.25	0.00	0.00	0.01
LEDBAT	10	10.38	6.92	3.00	87.71	87.52	87.19	0.00	0.00	0.00
PCC-Allegro	10	487.88	45.85	42.29	232.20	205.58	194.50	2.13	1.22	2.27
PCC-Expr	10	227.55	189.82	69.65	187.27	144.99	102.57	1.10	0.38	0.27
QUIC Cubic	10	37.33	38.14	24.09	86.41	86.35	86.38	0.00	0.00	0.00
SCReAM	10	0.22	0.22	0.22	86.74	86.43	86.42	0.00	0.00	0.00
Sprout	10	0.27	0.27	0.35	86.68	86.69	86.61	0.00	0.00	0.00
TaoVA-100x	10	191.70	172.13	114.61	89.76	91.67	95.00	0.00	0.00	0.01
TCP Vegas	10	78.33	75.00	55.18	91.81	91.98	92.28	0.01	0.01	0.07
Verus	10	173.59	94.78	76.17	207.95	175.35	195.23	1.98	0.52	1.47
PCC-Vivace	10	276.77	190.61	140.50	160.50	99.79	136.81	0.32	0.06	0.06
WebRTC media	10	2.01	1.25	0.47	86.65	86.61	86.49	0.00	0.00	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-07-24 12:12:41
End at: 2018-07-24 12:13:11
Local clock offset: -0.189 ms
Remote clock offset: -0.288 ms

Below is generated by plot.py at 2018-07-24 16:54:53
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.77 Mbit/s
95th percentile per-packet one-way delay: 91.483 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.65 Mbit/s
95th percentile per-packet one-way delay: 89.535 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.33 Mbit/s
95th percentile per-packet one-way delay: 91.533 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 114.72 Mbit/s
95th percentile per-packet one-way delay: 93.369 ms
Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

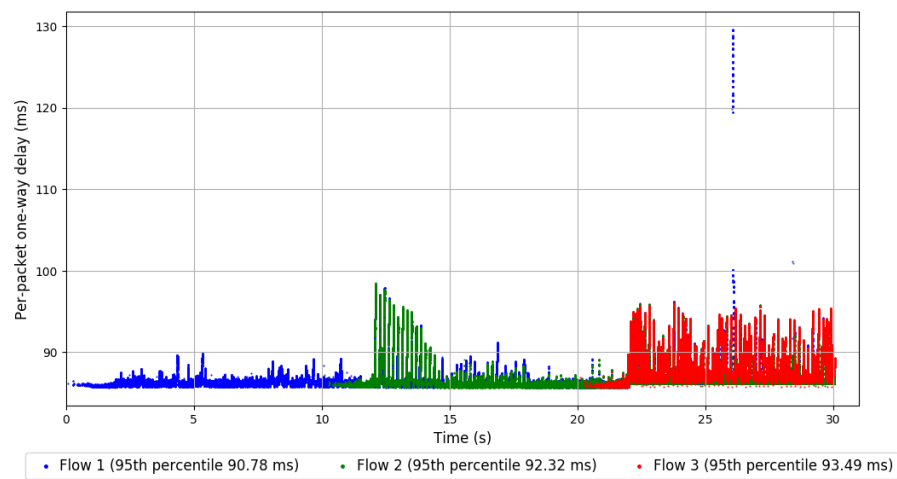
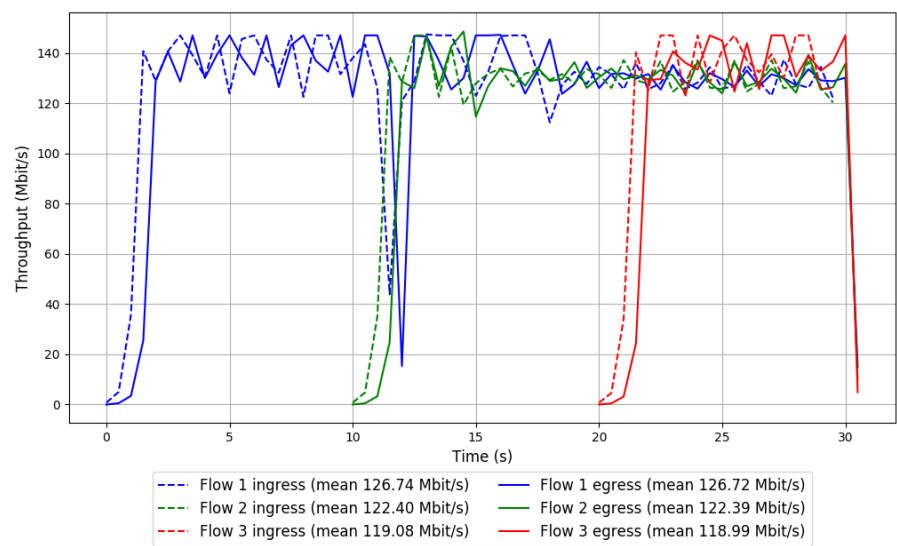


Run 2: Statistics of TCP BBR

Start at: 2018-07-24 12:40:57
End at: 2018-07-24 12:41:27
Local clock offset: 0.224 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-24 16:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.74 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 126.72 Mbit/s
95th percentile per-packet one-way delay: 90.780 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 122.39 Mbit/s
95th percentile per-packet one-way delay: 92.321 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 118.99 Mbit/s
95th percentile per-packet one-way delay: 93.486 ms
Loss rate: 0.07%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-24 13:07:19

End at: 2018-07-24 13:07:49

Local clock offset: 0.121 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-07-24 16:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.55 Mbit/s

95th percentile per-packet one-way delay: 91.444 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.50 Mbit/s

95th percentile per-packet one-way delay: 90.147 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 119.95 Mbit/s

95th percentile per-packet one-way delay: 91.927 ms

Loss rate: 0.00%

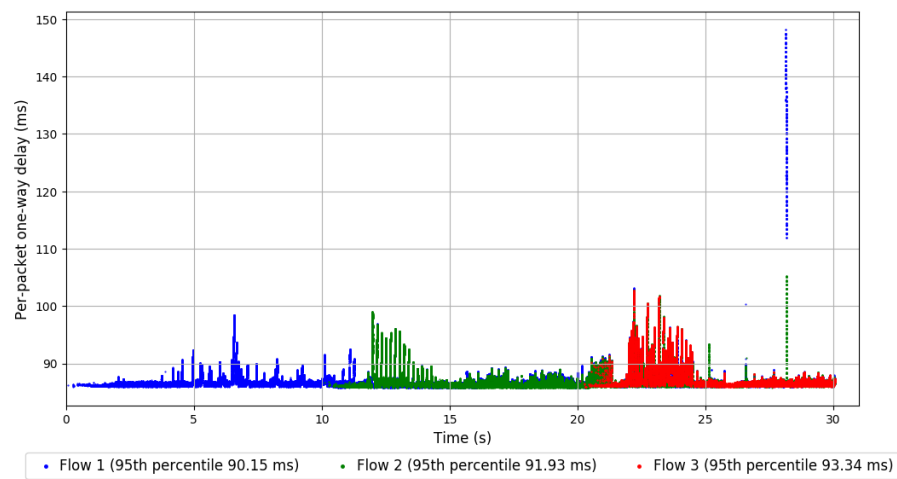
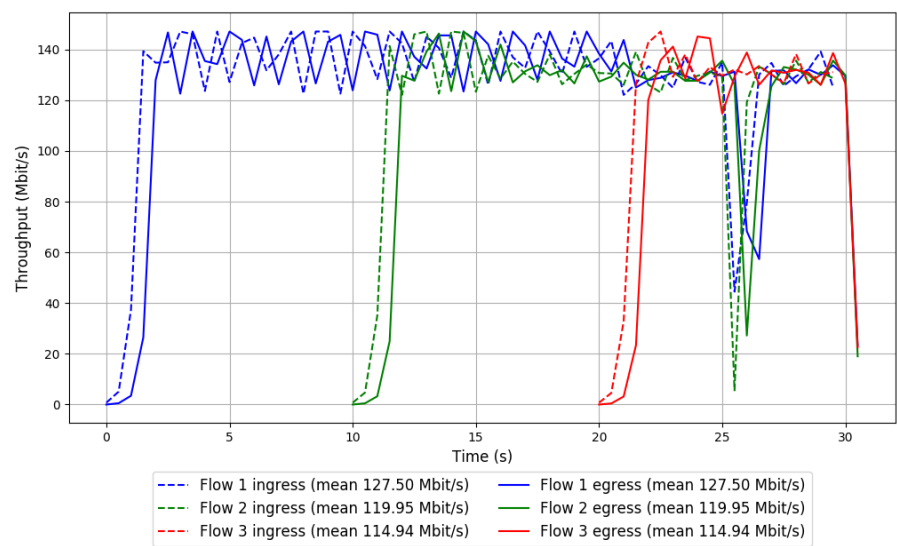
-- Flow 3:

Average throughput: 114.94 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-24 13:33:20

End at: 2018-07-24 13:33:50

Local clock offset: 0.029 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-07-24 16:54:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.93 Mbit/s

95th percentile per-packet one-way delay: 92.742 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 127.99 Mbit/s

95th percentile per-packet one-way delay: 91.614 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 122.70 Mbit/s

95th percentile per-packet one-way delay: 92.324 ms

Loss rate: 0.00%

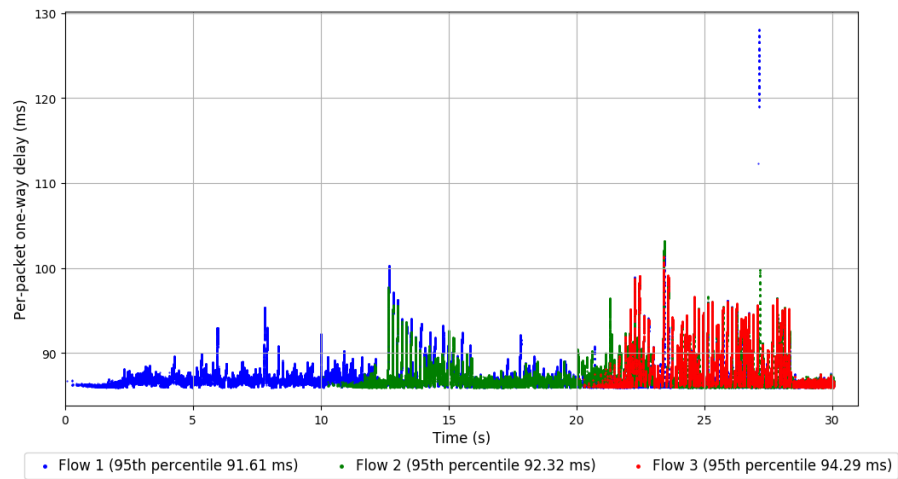
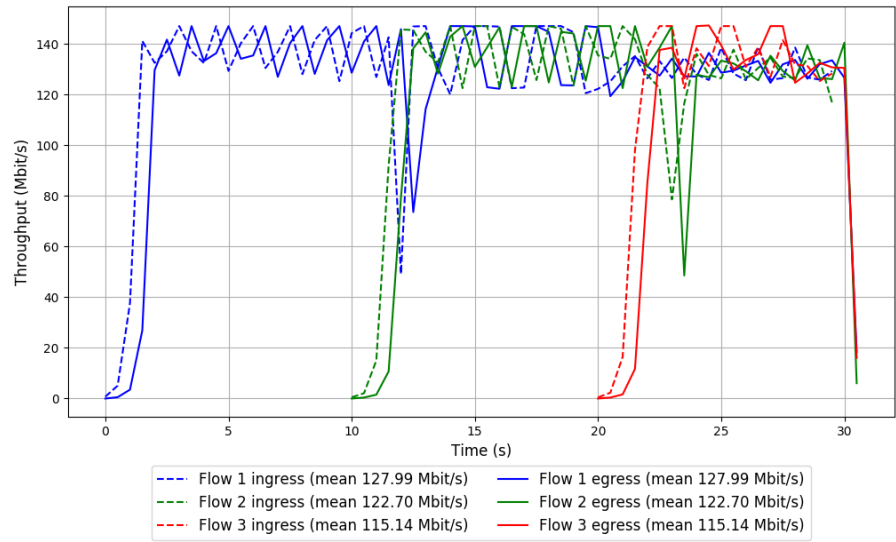
-- Flow 3:

Average throughput: 115.14 Mbit/s

95th percentile per-packet one-way delay: 94.291 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link

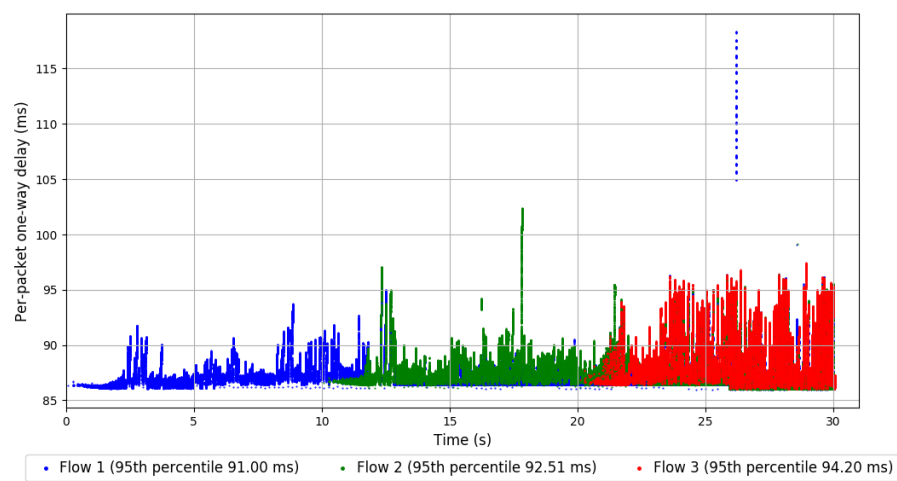
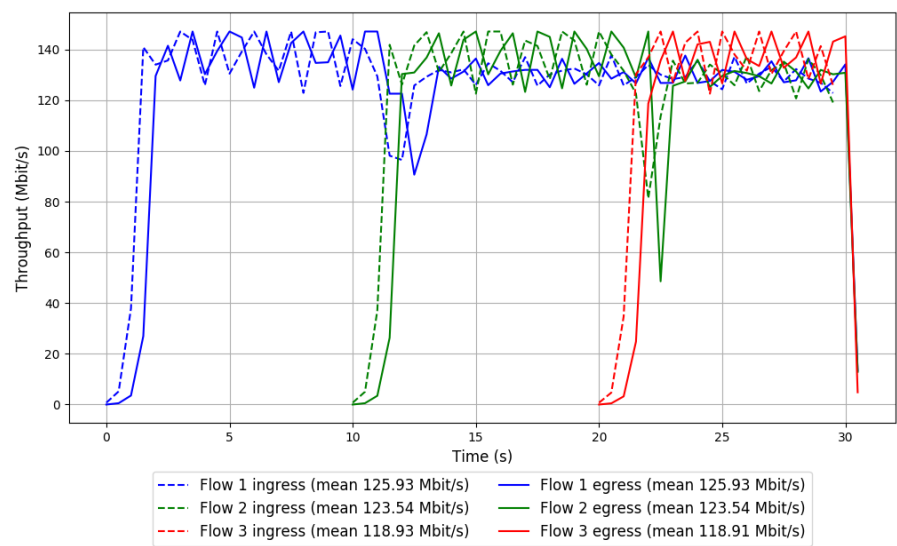


Run 5: Statistics of TCP BBR

Start at: 2018-07-24 13:59:23
End at: 2018-07-24 13:59:53
Local clock offset: -0.069 ms
Remote clock offset: -0.008 ms

Below is generated by plot.py at 2018-07-24 16:54:59
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.74 Mbit/s
95th percentile per-packet one-way delay: 92.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.93 Mbit/s
95th percentile per-packet one-way delay: 91.000 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.54 Mbit/s
95th percentile per-packet one-way delay: 92.511 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.91 Mbit/s
95th percentile per-packet one-way delay: 94.197 ms
Loss rate: 0.01%

Run 5: Report of TCP BBR — Data Link

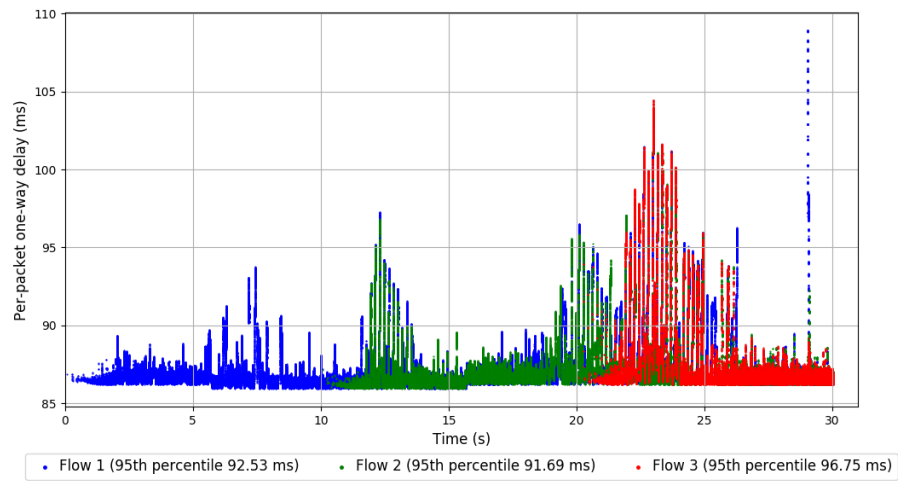
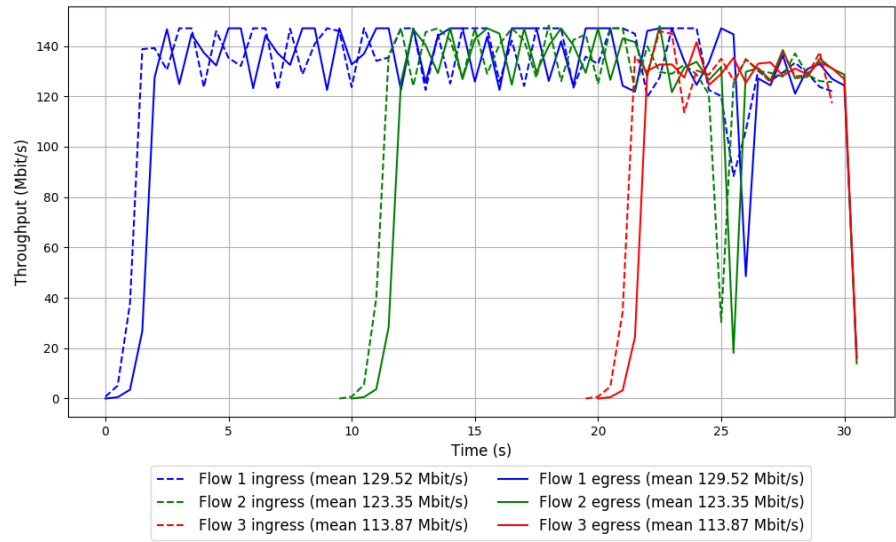


Run 6: Statistics of TCP BBR

Start at: 2018-07-24 14:29:03
End at: 2018-07-24 14:29:33
Local clock offset: -0.231 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-07-24 16:55:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 249.61 Mbit/s
95th percentile per-packet one-way delay: 92.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.52 Mbit/s
95th percentile per-packet one-way delay: 92.531 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 123.35 Mbit/s
95th percentile per-packet one-way delay: 91.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.87 Mbit/s
95th percentile per-packet one-way delay: 96.746 ms
Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link

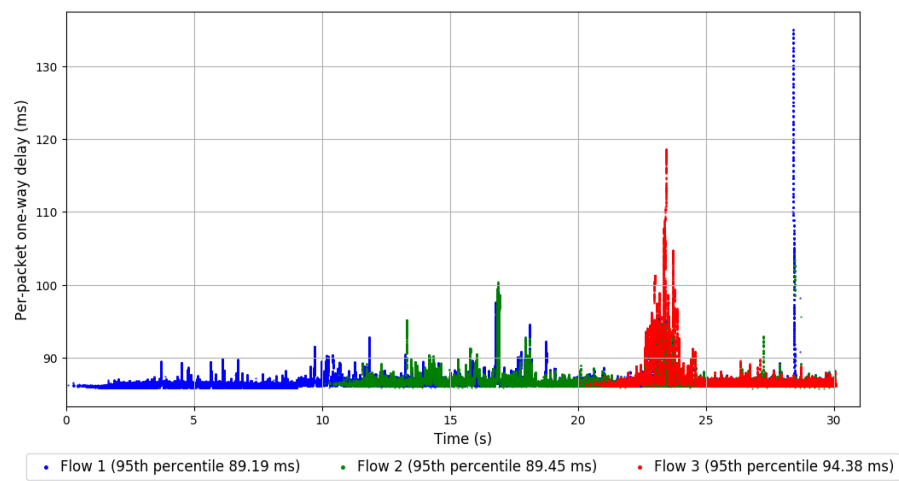
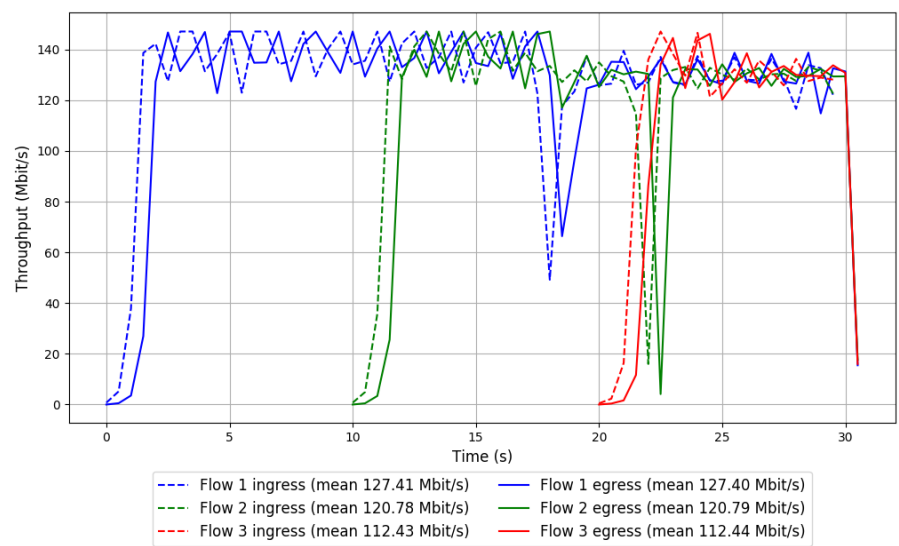


Run 7: Statistics of TCP BBR

Start at: 2018-07-24 14:59:40
End at: 2018-07-24 15:00:10
Local clock offset: 0.057 ms
Remote clock offset: -0.067 ms

Below is generated by plot.py at 2018-07-24 16:55:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 245.08 Mbit/s
95th percentile per-packet one-way delay: 89.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 127.40 Mbit/s
95th percentile per-packet one-way delay: 89.195 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 120.79 Mbit/s
95th percentile per-packet one-way delay: 89.447 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 112.44 Mbit/s
95th percentile per-packet one-way delay: 94.381 ms
Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link

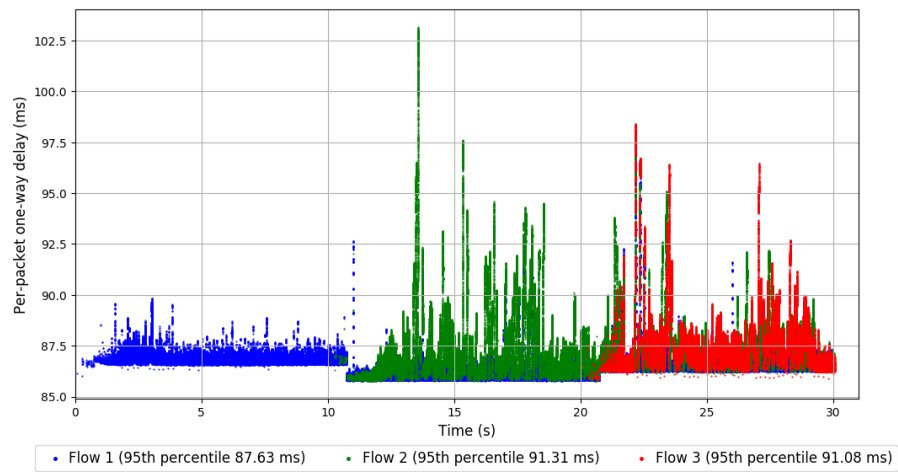
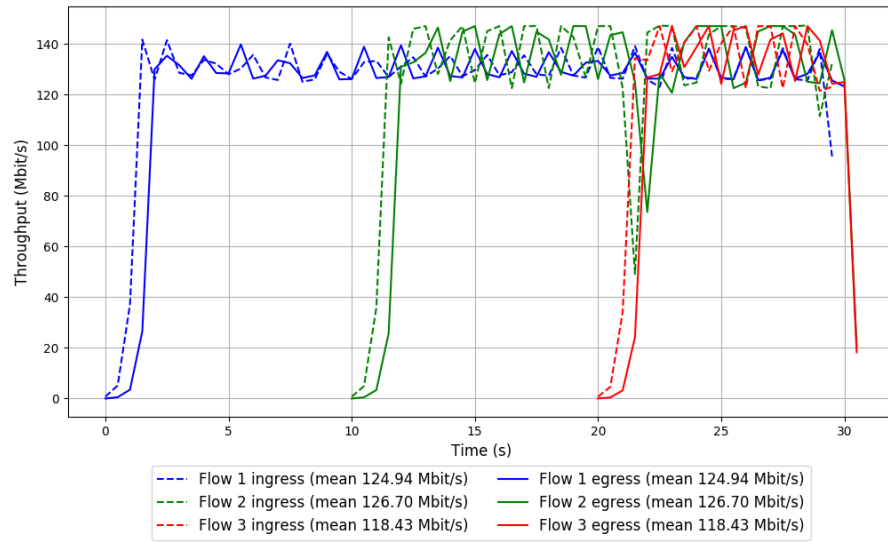


Run 8: Statistics of TCP BBR

Start at: 2018-07-24 15:29:18
End at: 2018-07-24 15:29:48
Local clock offset: 0.094 ms
Remote clock offset: -0.024 ms

Below is generated by plot.py at 2018-07-24 16:55:02
Datalink statistics
-- Total of 3 flows:
Average throughput: 248.17 Mbit/s
95th percentile per-packet one-way delay: 89.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.94 Mbit/s
95th percentile per-packet one-way delay: 87.627 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 126.70 Mbit/s
95th percentile per-packet one-way delay: 91.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.43 Mbit/s
95th percentile per-packet one-way delay: 91.080 ms
Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

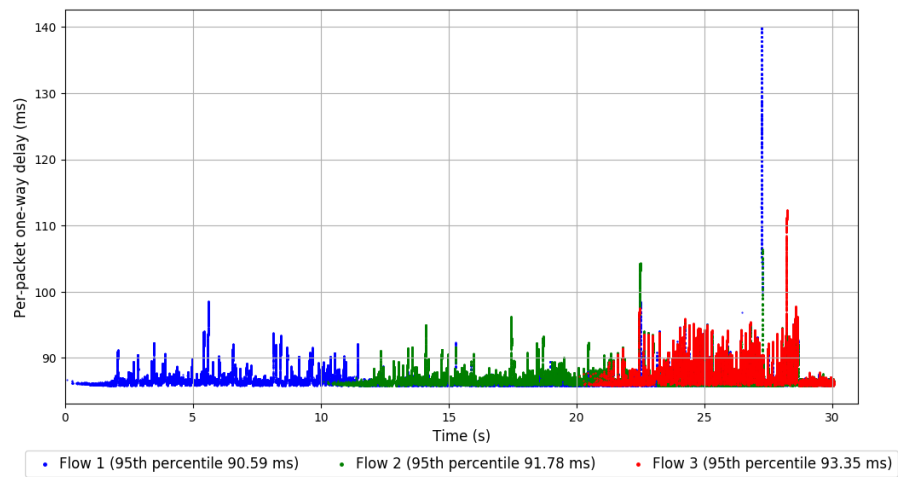
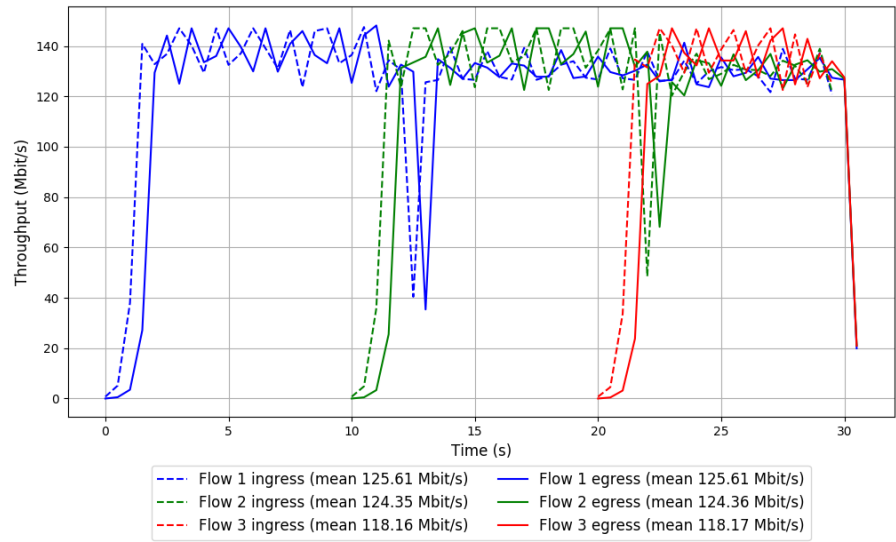


Run 9: Statistics of TCP BBR

Start at: 2018-07-24 15:56:23
End at: 2018-07-24 15:56:53
Local clock offset: 0.067 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 16:59:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 247.65 Mbit/s
95th percentile per-packet one-way delay: 91.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 125.61 Mbit/s
95th percentile per-packet one-way delay: 90.590 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 124.36 Mbit/s
95th percentile per-packet one-way delay: 91.784 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 93.347 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

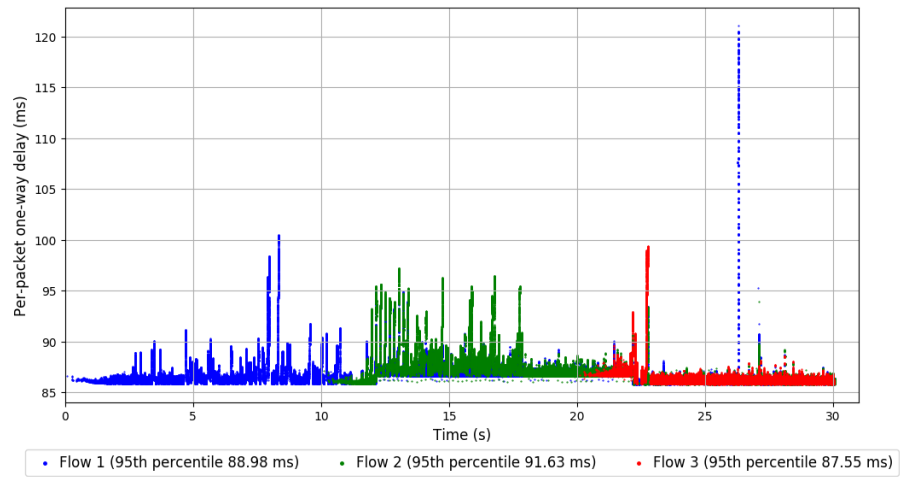
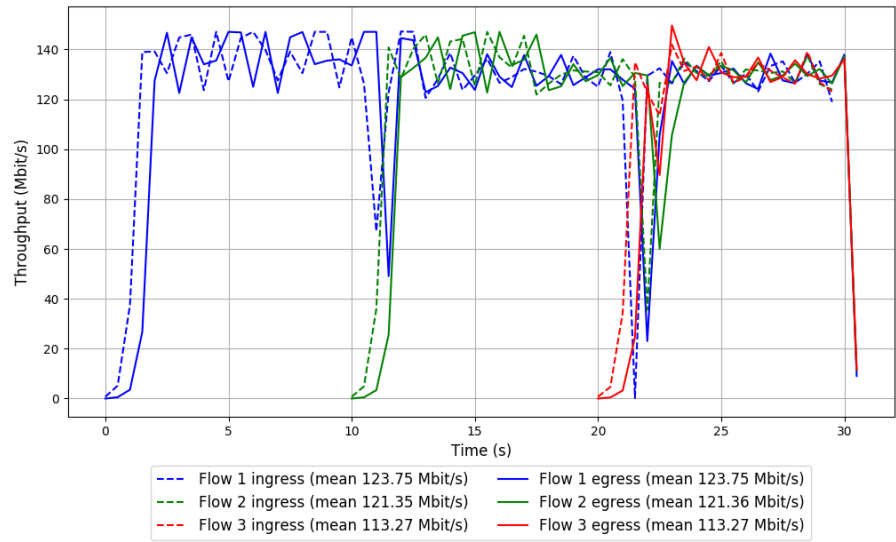


Run 10: Statistics of TCP BBR

Start at: 2018-07-24 16:25:47
End at: 2018-07-24 16:26:17
Local clock offset: 0.017 ms
Remote clock offset: -0.109 ms

Below is generated by plot.py at 2018-07-24 16:59:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 242.09 Mbit/s
95th percentile per-packet one-way delay: 89.567 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.75 Mbit/s
95th percentile per-packet one-way delay: 88.984 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.36 Mbit/s
95th percentile per-packet one-way delay: 91.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 113.27 Mbit/s
95th percentile per-packet one-way delay: 87.548 ms
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link

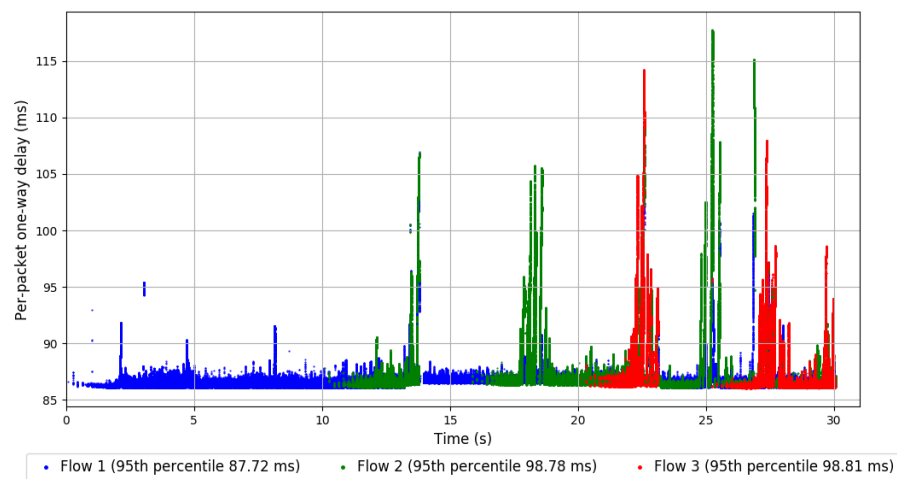
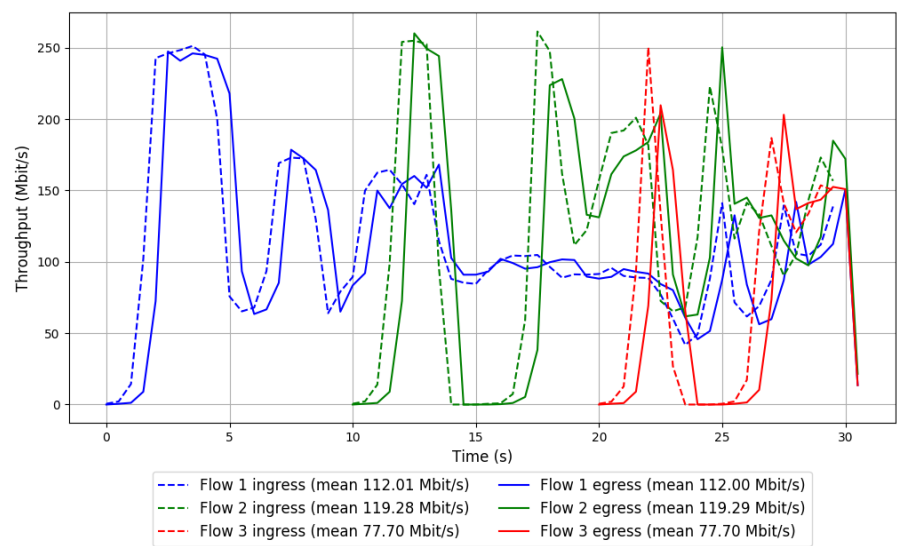


Run 1: Statistics of Copa

Start at: 2018-07-24 12:14:16
End at: 2018-07-24 12:14:46
Local clock offset: -0.196 ms
Remote clock offset: -0.321 ms

Below is generated by plot.py at 2018-07-24 17:02:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 217.26 Mbit/s
95th percentile per-packet one-way delay: 94.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.00 Mbit/s
95th percentile per-packet one-way delay: 87.715 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 119.29 Mbit/s
95th percentile per-packet one-way delay: 98.779 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 77.70 Mbit/s
95th percentile per-packet one-way delay: 98.813 ms
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

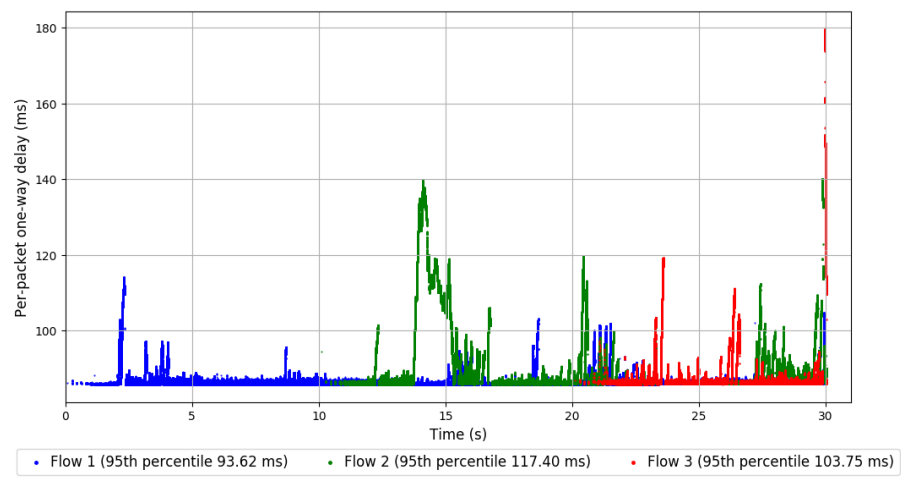
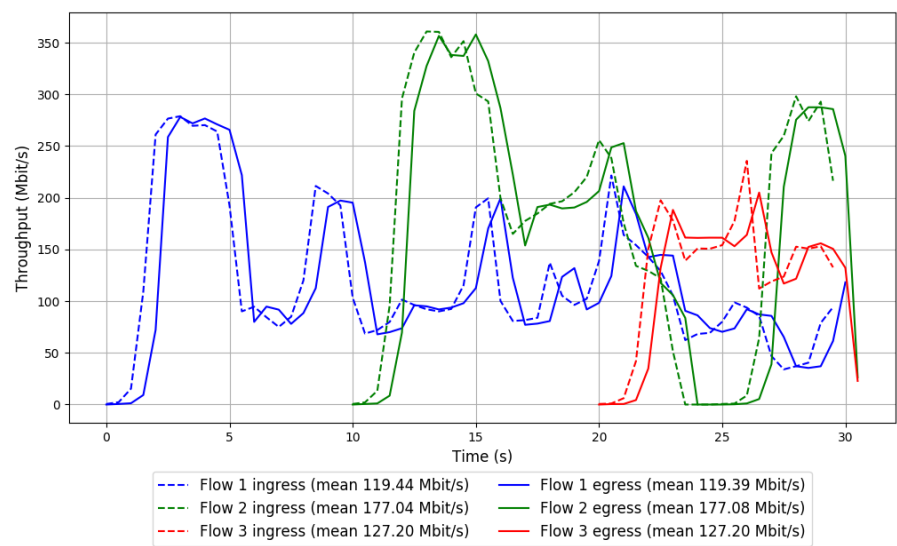


Run 2: Statistics of Copa

Start at: 2018-07-24 12:42:26
End at: 2018-07-24 12:42:56
Local clock offset: 0.03 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-24 17:05:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.10 Mbit/s
95th percentile per-packet one-way delay: 110.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 119.39 Mbit/s
95th percentile per-packet one-way delay: 93.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 177.08 Mbit/s
95th percentile per-packet one-way delay: 117.396 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 127.20 Mbit/s
95th percentile per-packet one-way delay: 103.753 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-07-24 13:08:44

End at: 2018-07-24 13:09:14

Local clock offset: 0.018 ms

Remote clock offset: 0.0 ms

Below is generated by plot.py at 2018-07-24 17:05:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 275.88 Mbit/s

95th percentile per-packet one-way delay: 96.673 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 149.42 Mbit/s

95th percentile per-packet one-way delay: 93.081 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 128.82 Mbit/s

95th percentile per-packet one-way delay: 104.116 ms

Loss rate: 0.00%

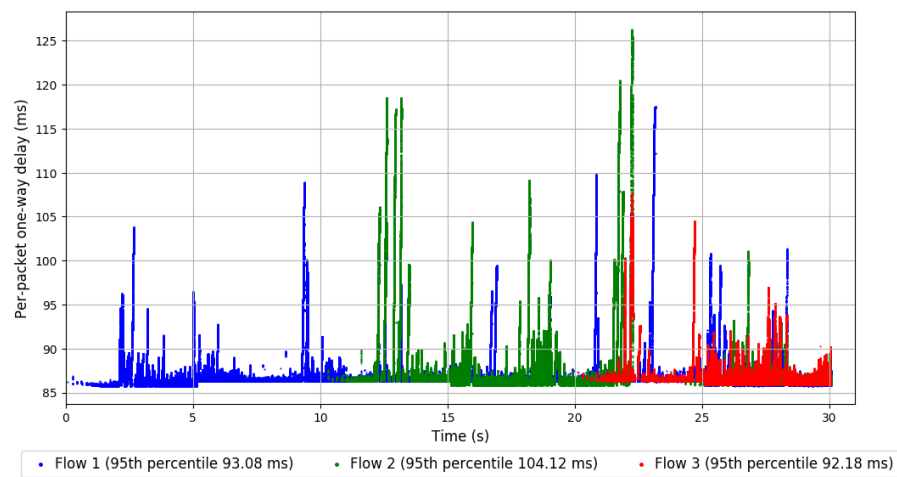
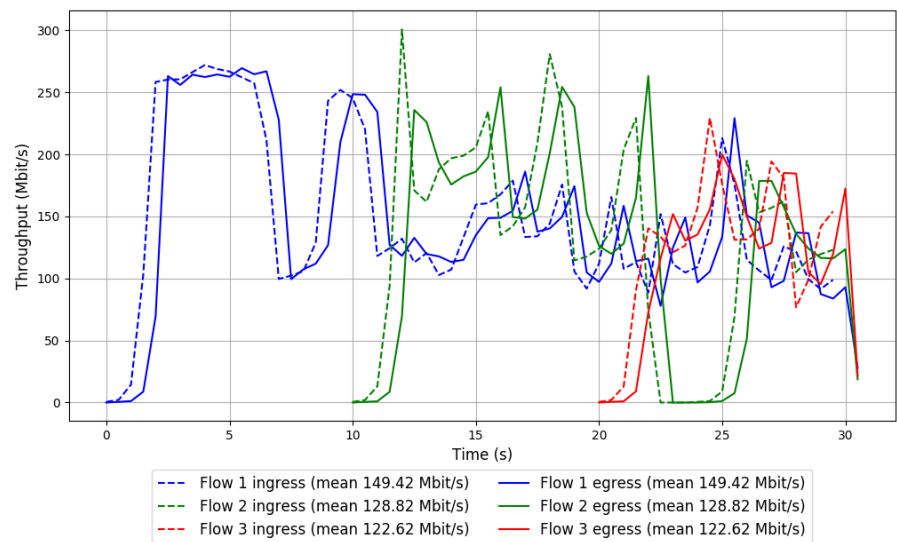
-- Flow 3:

Average throughput: 122.62 Mbit/s

95th percentile per-packet one-way delay: 92.183 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-07-24 13:34:49

End at: 2018-07-24 13:35:19

Local clock offset: -0.037 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-24 17:06:15

Datalink statistics

-- Total of 3 flows:

Average throughput: 296.97 Mbit/s

95th percentile per-packet one-way delay: 93.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 175.77 Mbit/s

95th percentile per-packet one-way delay: 93.724 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 138.25 Mbit/s

95th percentile per-packet one-way delay: 91.777 ms

Loss rate: 0.00%

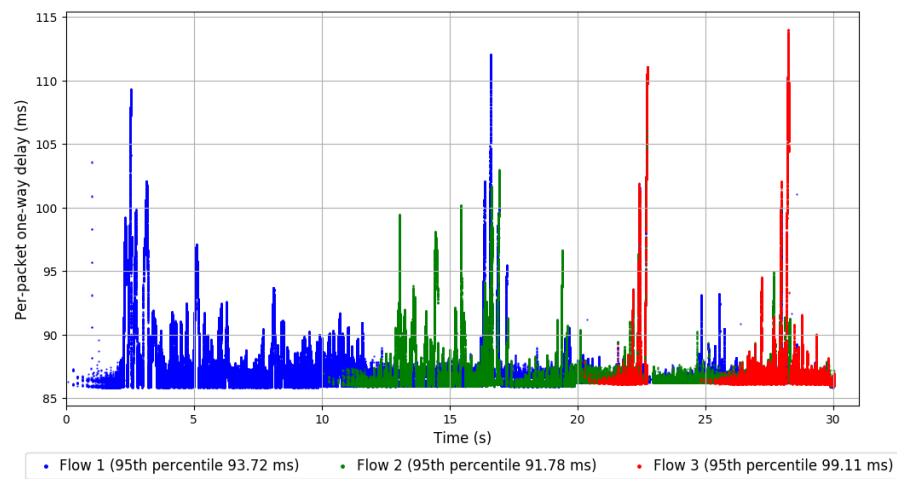
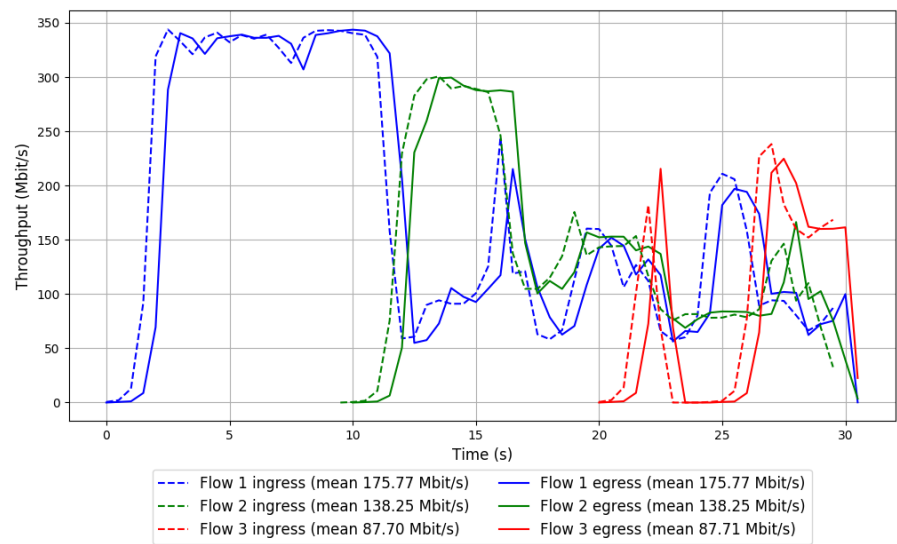
-- Flow 3:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 99.105 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-07-24 14:00:51

End at: 2018-07-24 14:01:21

Local clock offset: 0.132 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-07-24 17:07:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 340.41 Mbit/s

95th percentile per-packet one-way delay: 107.438 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 192.87 Mbit/s

95th percentile per-packet one-way delay: 111.519 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 156.57 Mbit/s

95th percentile per-packet one-way delay: 103.311 ms

Loss rate: 0.00%

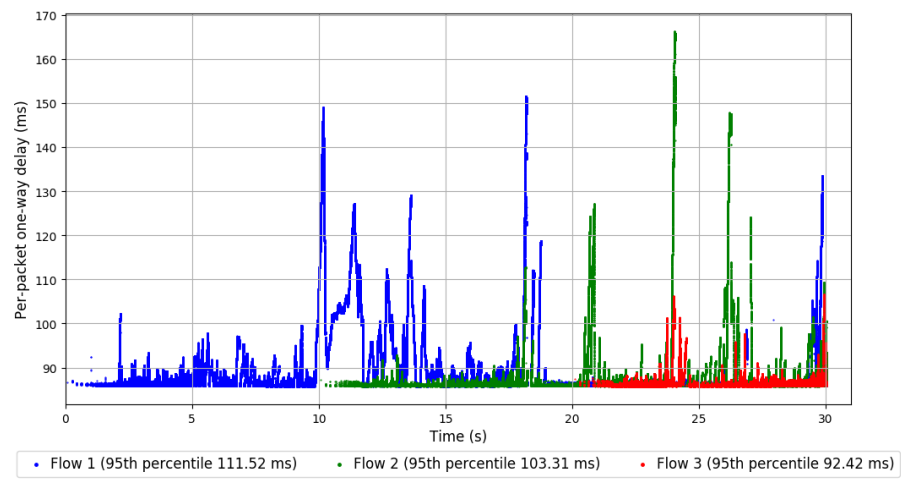
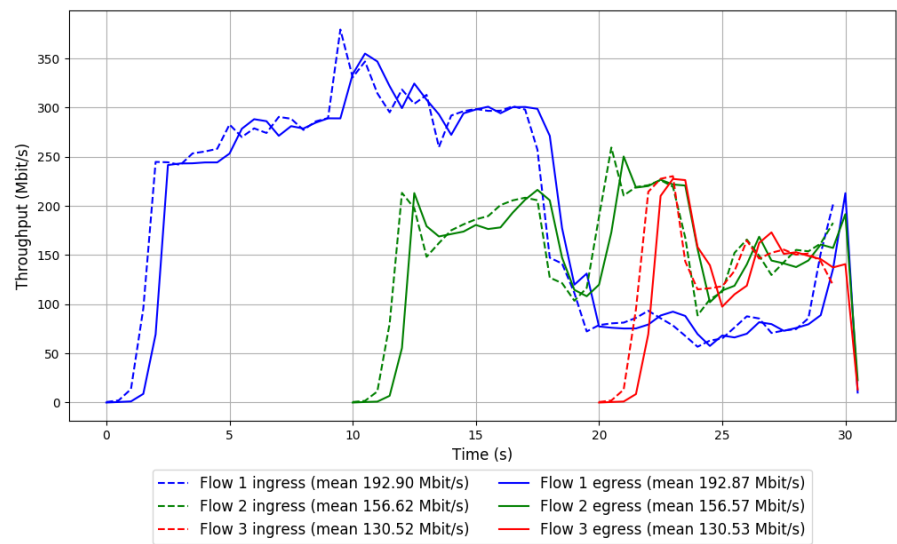
-- Flow 3:

Average throughput: 130.53 Mbit/s

95th percentile per-packet one-way delay: 92.420 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

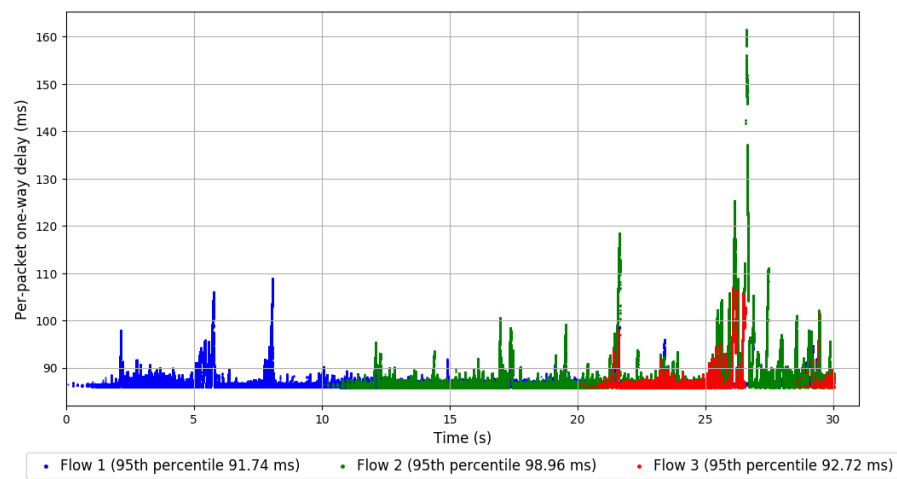
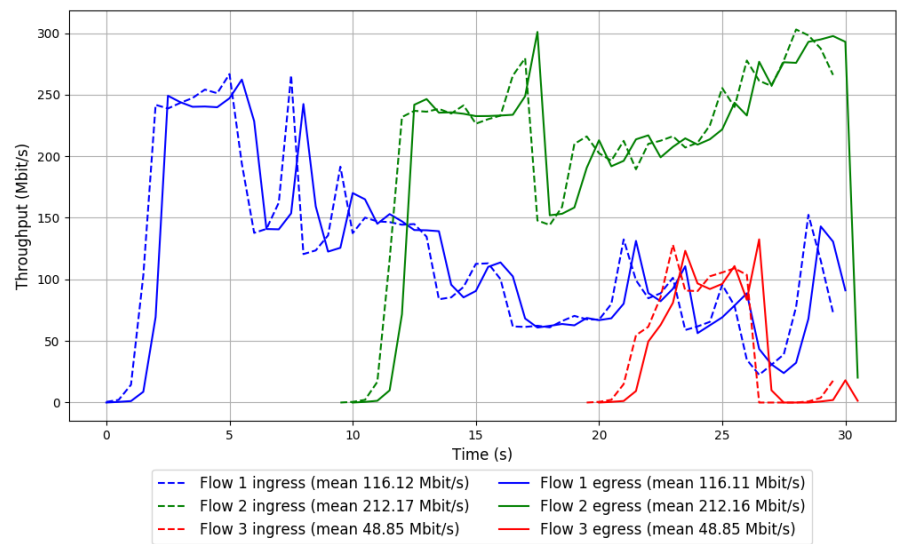


Run 6: Statistics of Copa

Start at: 2018-07-24 14:30:38
End at: 2018-07-24 14:31:08
Local clock offset: -0.046 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-07-24 17:07:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 273.61 Mbit/s
95th percentile per-packet one-way delay: 95.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 116.11 Mbit/s
95th percentile per-packet one-way delay: 91.742 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 212.16 Mbit/s
95th percentile per-packet one-way delay: 98.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 92.719 ms
Loss rate: 0.00%

Run 6: Report of Copa — Data Link

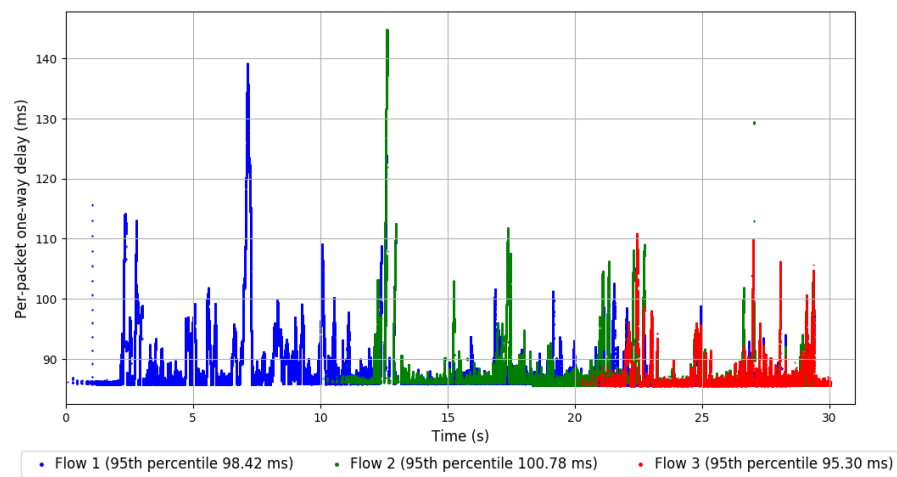
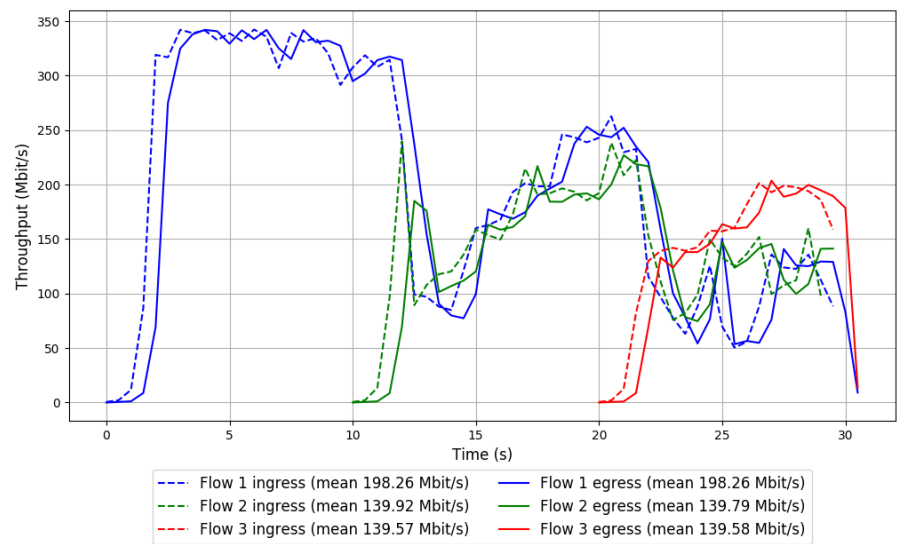


Run 7: Statistics of Copa

Start at: 2018-07-24 15:01:21
End at: 2018-07-24 15:01:51
Local clock offset: 0.271 ms
Remote clock offset: -0.076 ms

Below is generated by plot.py at 2018-07-24 17:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 334.32 Mbit/s
95th percentile per-packet one-way delay: 98.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.26 Mbit/s
95th percentile per-packet one-way delay: 98.423 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 139.79 Mbit/s
95th percentile per-packet one-way delay: 100.780 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 139.58 Mbit/s
95th percentile per-packet one-way delay: 95.302 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link

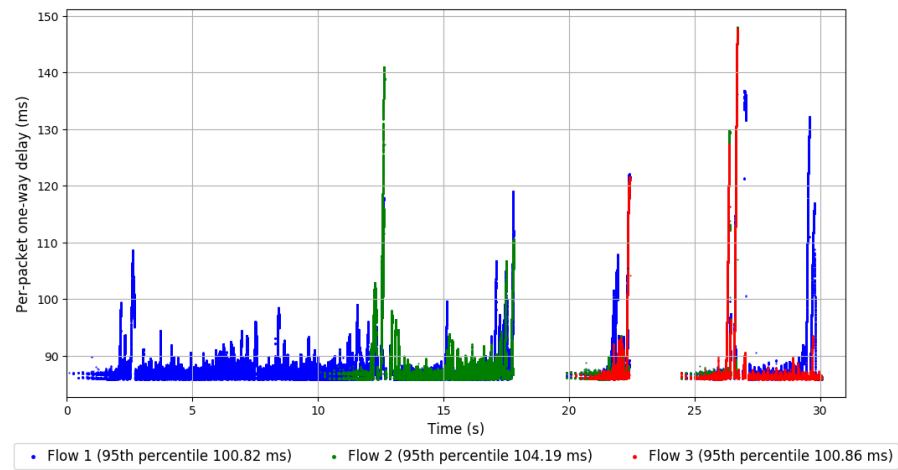
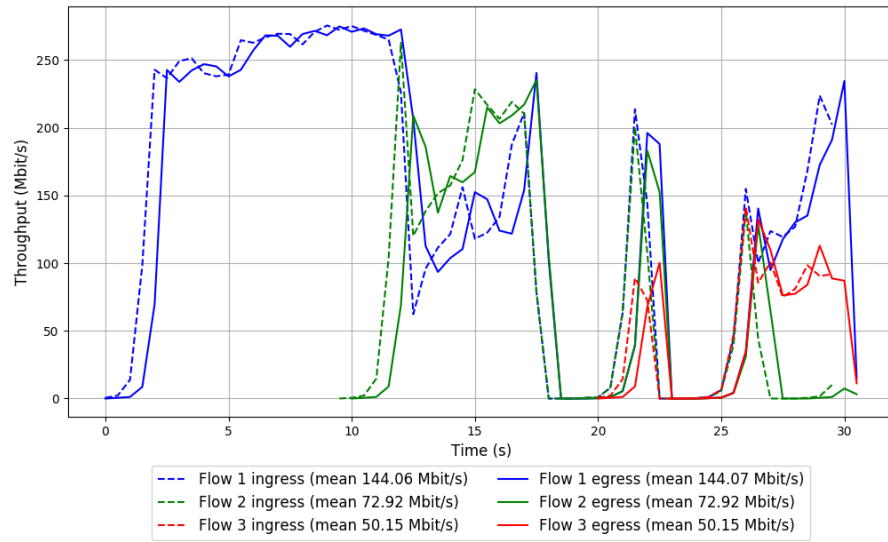


Run 8: Statistics of Copa

Start at: 2018-07-24 15:30:50
End at: 2018-07-24 15:31:20
Local clock offset: 0.001 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 17:13:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 209.33 Mbit/s
95th percentile per-packet one-way delay: 101.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 144.07 Mbit/s
95th percentile per-packet one-way delay: 100.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.92 Mbit/s
95th percentile per-packet one-way delay: 104.192 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 100.861 ms
Loss rate: 0.00%

Run 8: Report of Copa — Data Link

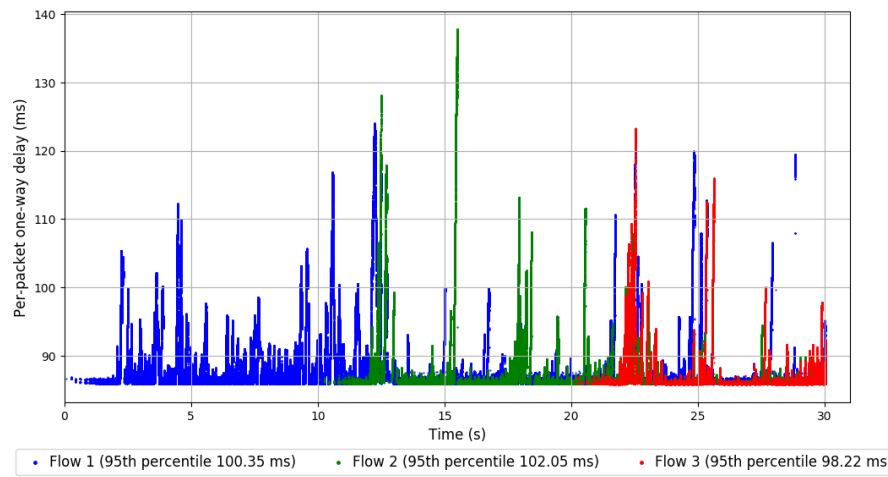
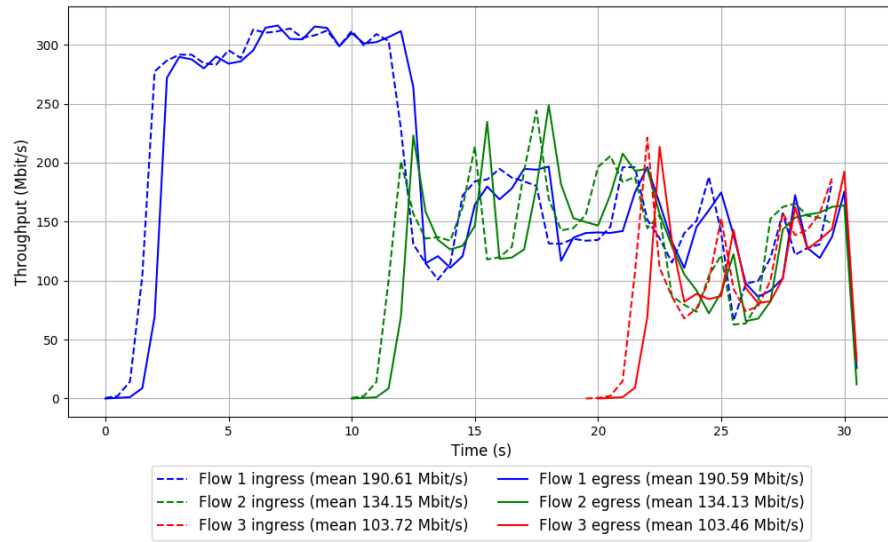


Run 9: Statistics of Copa

Start at: 2018-07-24 15:57:59
End at: 2018-07-24 15:58:29
Local clock offset: -0.001 ms
Remote clock offset: -0.077 ms

Below is generated by plot.py at 2018-07-24 17:15:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 314.36 Mbit/s
95th percentile per-packet one-way delay: 100.478 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 190.59 Mbit/s
95th percentile per-packet one-way delay: 100.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 134.13 Mbit/s
95th percentile per-packet one-way delay: 102.049 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 103.46 Mbit/s
95th percentile per-packet one-way delay: 98.222 ms
Loss rate: 0.24%

Run 9: Report of Copa — Data Link

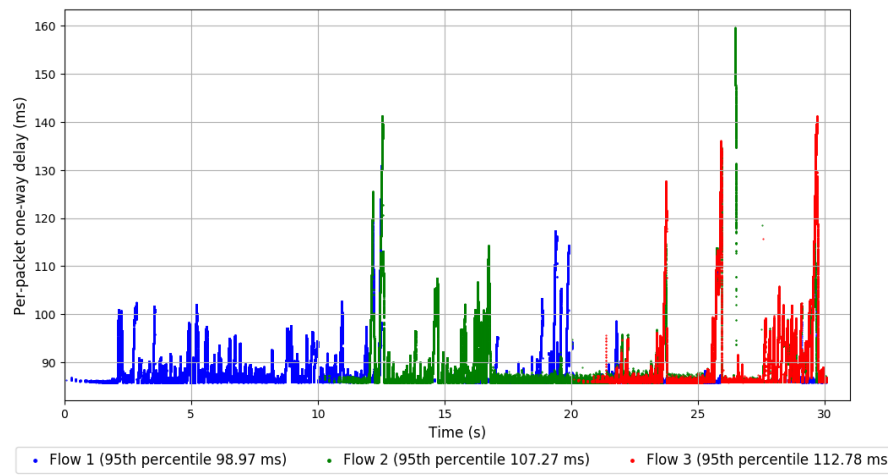
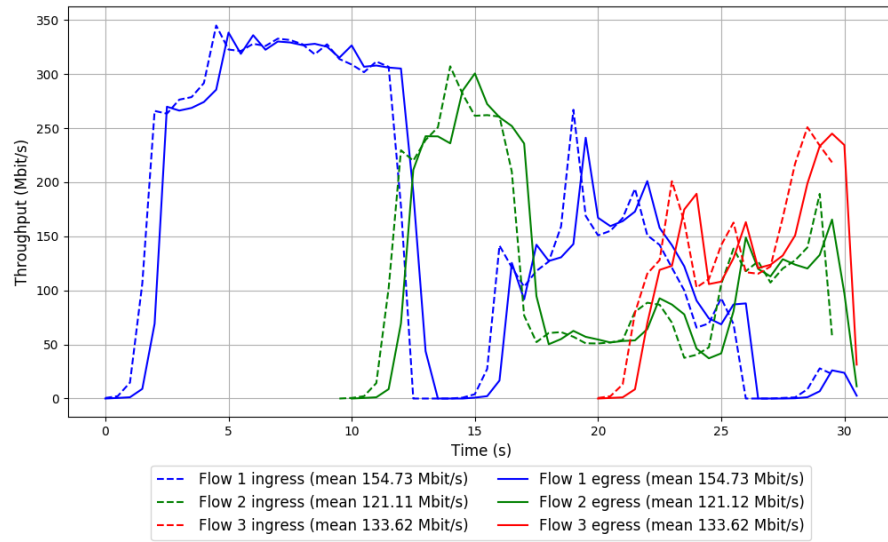


Run 10: Statistics of Copa

Start at: 2018-07-24 16:27:14
End at: 2018-07-24 16:27:44
Local clock offset: -0.018 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 279.85 Mbit/s
95th percentile per-packet one-way delay: 103.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 154.73 Mbit/s
95th percentile per-packet one-way delay: 98.972 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 121.12 Mbit/s
95th percentile per-packet one-way delay: 107.272 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 133.62 Mbit/s
95th percentile per-packet one-way delay: 112.775 ms
Loss rate: 0.00%

Run 10: Report of Copa — Data Link

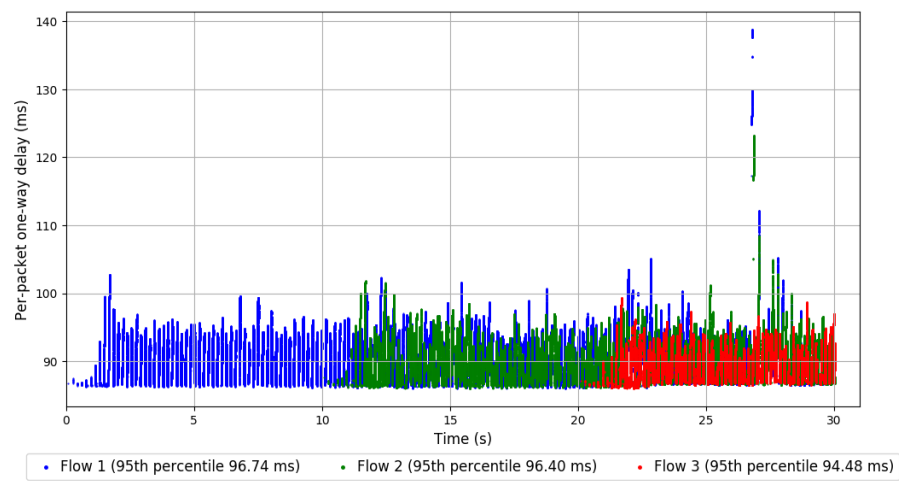
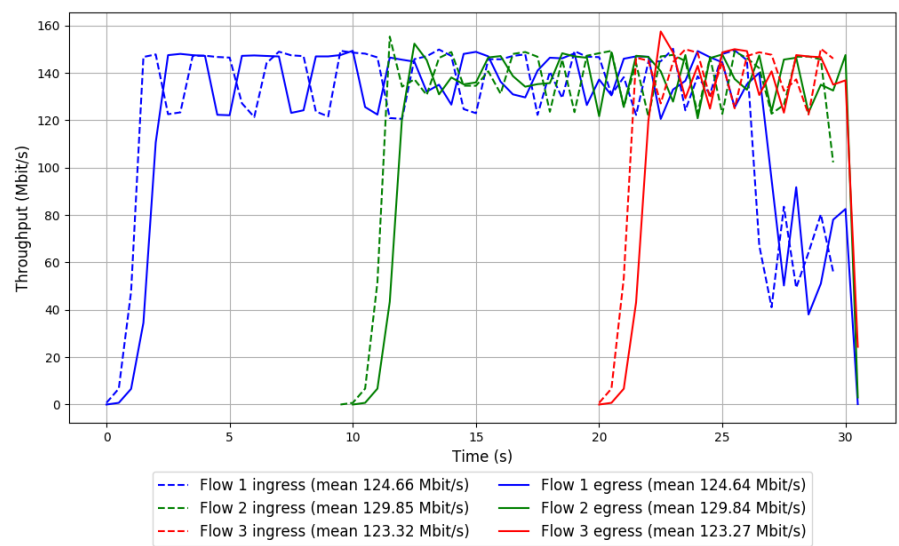


Run 1: Statistics of TCP Cubic

Start at: 2018-07-24 12:01:16
End at: 2018-07-24 12:01:46
Local clock offset: -0.126 ms
Remote clock offset: -0.301 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 252.09 Mbit/s
95th percentile per-packet one-way delay: 96.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 124.64 Mbit/s
95th percentile per-packet one-way delay: 96.738 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 129.84 Mbit/s
95th percentile per-packet one-way delay: 96.399 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 123.27 Mbit/s
95th percentile per-packet one-way delay: 94.479 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

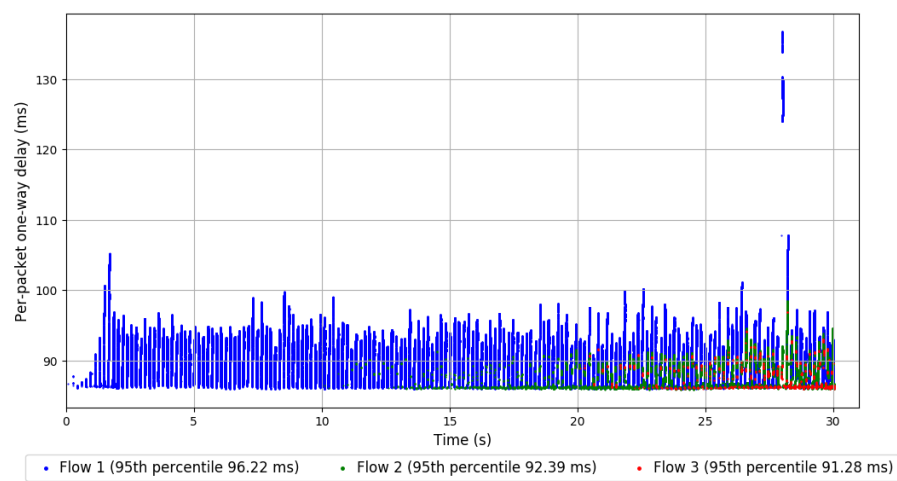
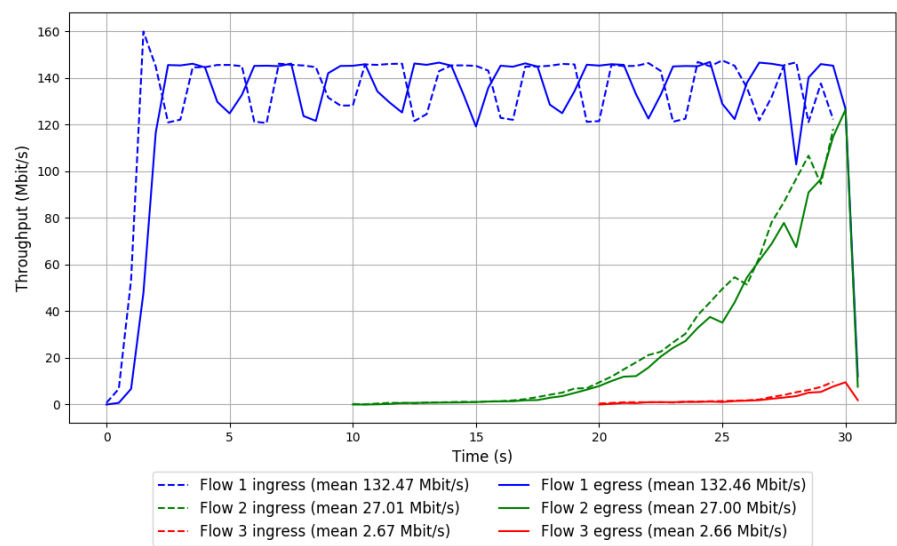


Run 2: Statistics of TCP Cubic

Start at: 2018-07-24 12:29:53
End at: 2018-07-24 12:30:23
Local clock offset: -0.055 ms
Remote clock offset: -0.215 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 151.13 Mbit/s
95th percentile per-packet one-way delay: 96.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.46 Mbit/s
95th percentile per-packet one-way delay: 96.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 27.00 Mbit/s
95th percentile per-packet one-way delay: 92.387 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 91.285 ms
Loss rate: 0.27%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-07-24 12:57:02

End at: 2018-07-24 12:57:32

Local clock offset: 0.067 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at 2018-07-24 17:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.99 Mbit/s

95th percentile per-packet one-way delay: 91.849 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 105.18 Mbit/s

95th percentile per-packet one-way delay: 92.575 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 69.72 Mbit/s

95th percentile per-packet one-way delay: 91.234 ms

Loss rate: 0.17%

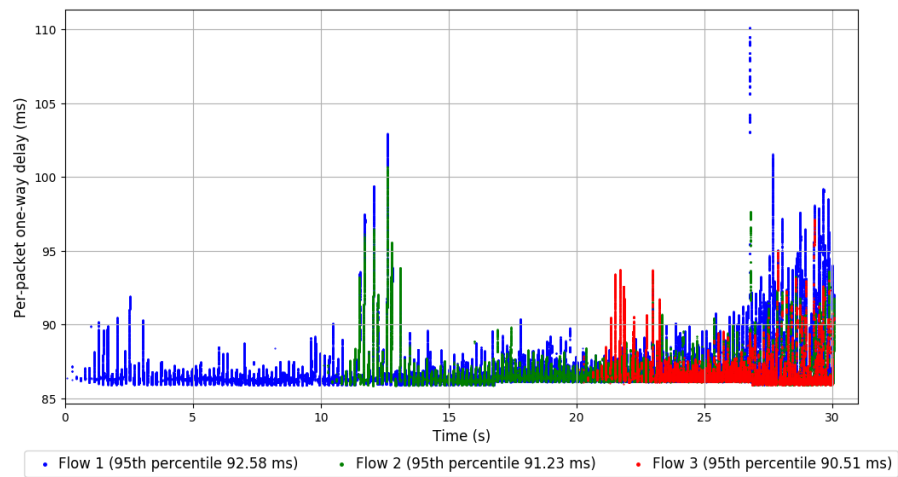
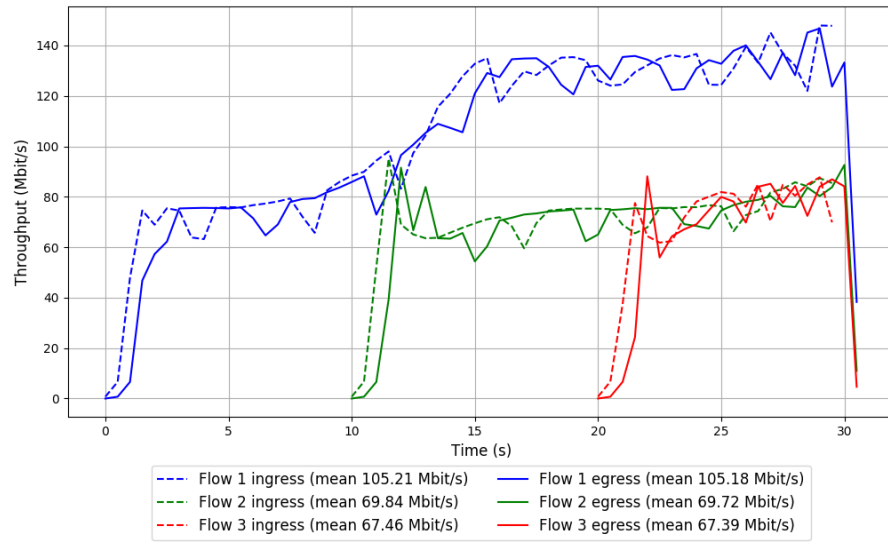
-- Flow 3:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 90.513 ms

Loss rate: 0.12%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2018-07-24 13:23:04

End at: 2018-07-24 13:23:34

Local clock offset: 0.04 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-07-24 17:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 169.59 Mbit/s

95th percentile per-packet one-way delay: 95.689 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 88.82 Mbit/s

95th percentile per-packet one-way delay: 94.522 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 120.51 Mbit/s

95th percentile per-packet one-way delay: 96.386 ms

Loss rate: 0.00%

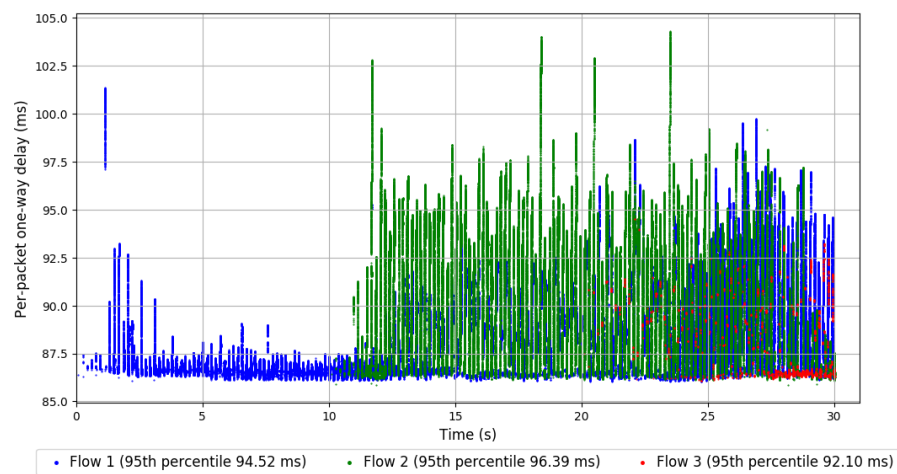
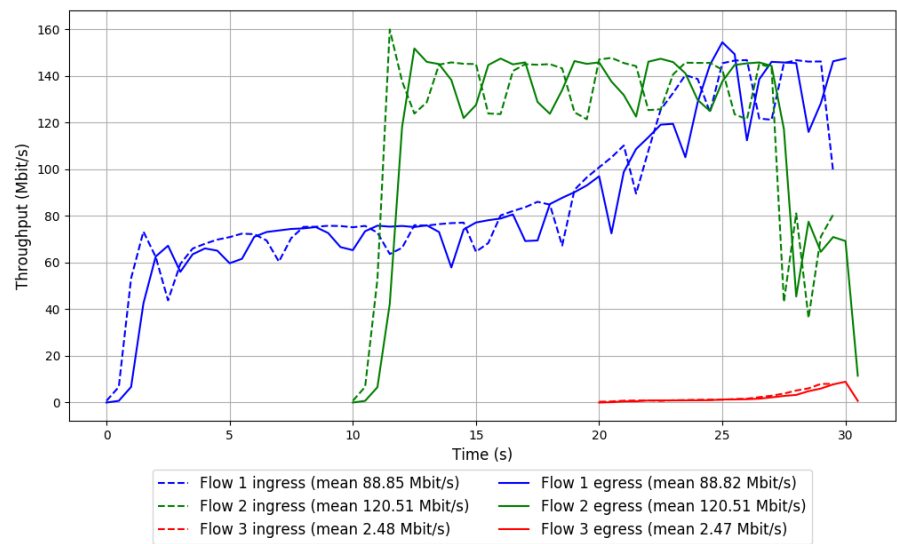
-- Flow 3:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 92.100 ms

Loss rate: 0.39%

Run 4: Report of TCP Cubic — Data Link

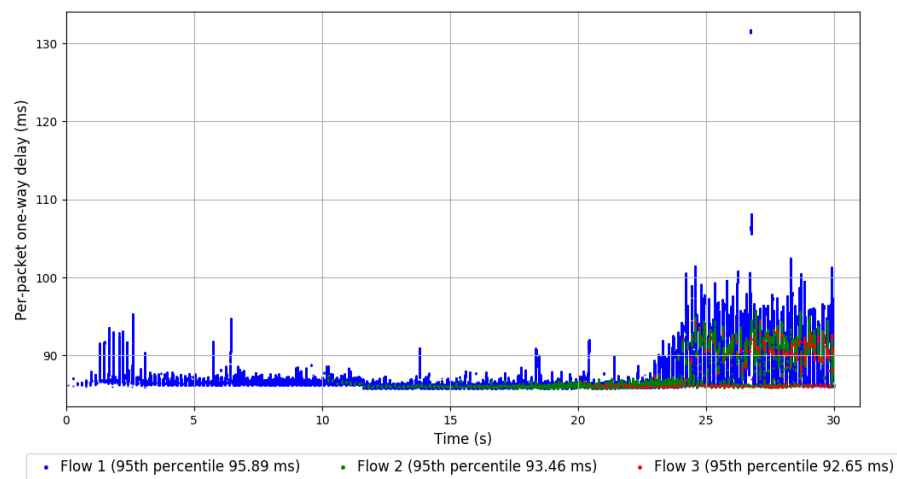
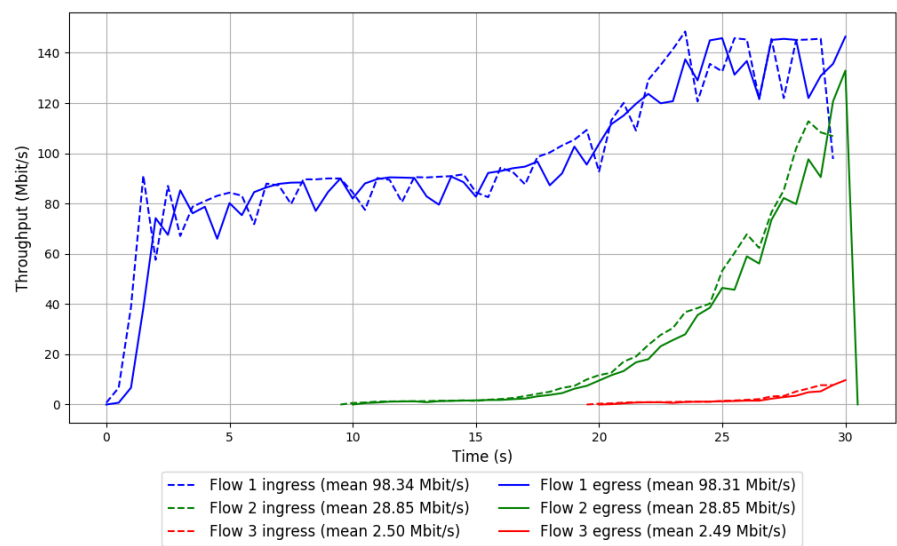


Run 5: Statistics of TCP Cubic

Start at: 2018-07-24 13:49:17
End at: 2018-07-24 13:49:47
Local clock offset: 0.118 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 118.17 Mbit/s
95th percentile per-packet one-way delay: 95.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 98.31 Mbit/s
95th percentile per-packet one-way delay: 95.889 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 93.461 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 92.653 ms
Loss rate: 0.39%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-07-24 14:17:11

End at: 2018-07-24 14:17:41

Local clock offset: -0.139 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-07-24 17:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.06 Mbit/s

95th percentile per-packet one-way delay: 96.798 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 98.48 Mbit/s

95th percentile per-packet one-way delay: 96.633 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 93.944 ms

Loss rate: 0.00%

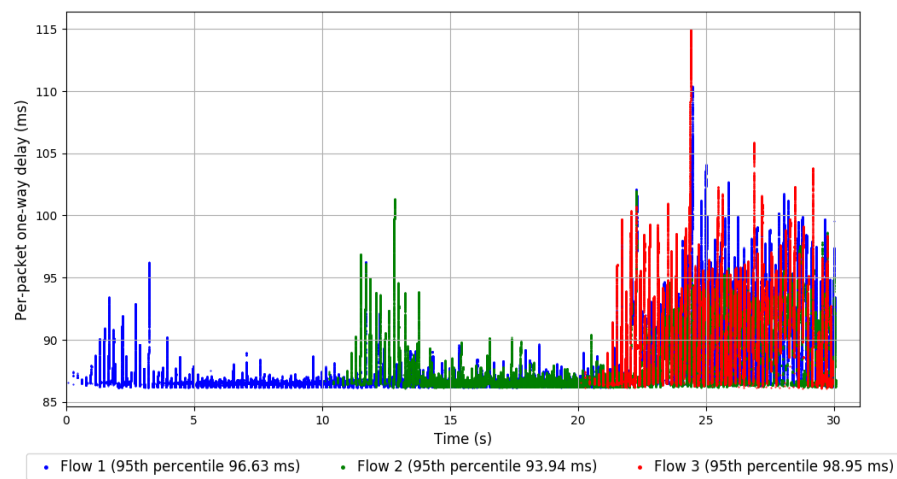
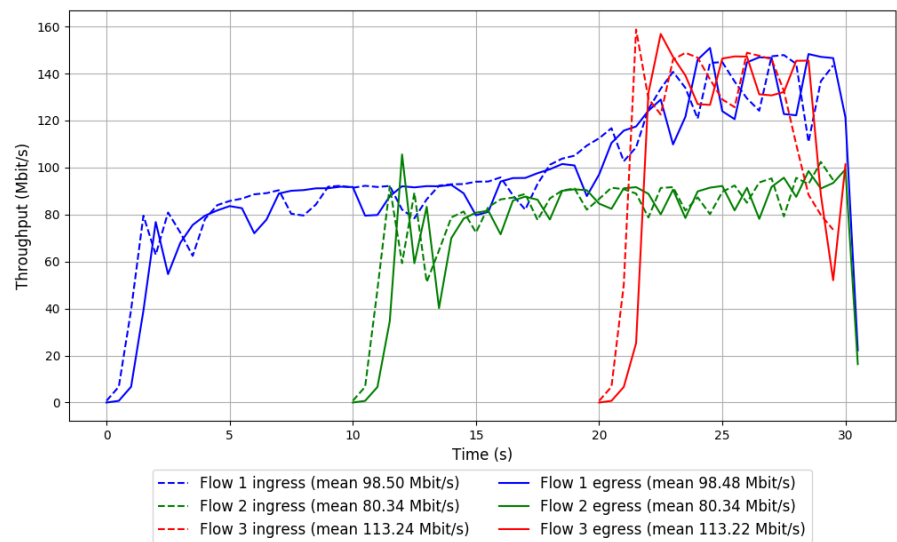
-- Flow 3:

Average throughput: 113.22 Mbit/s

95th percentile per-packet one-way delay: 98.955 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link

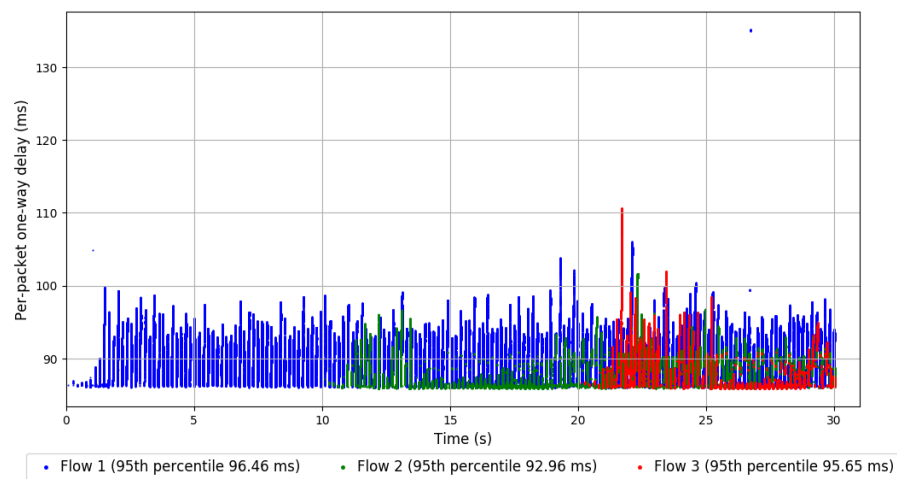
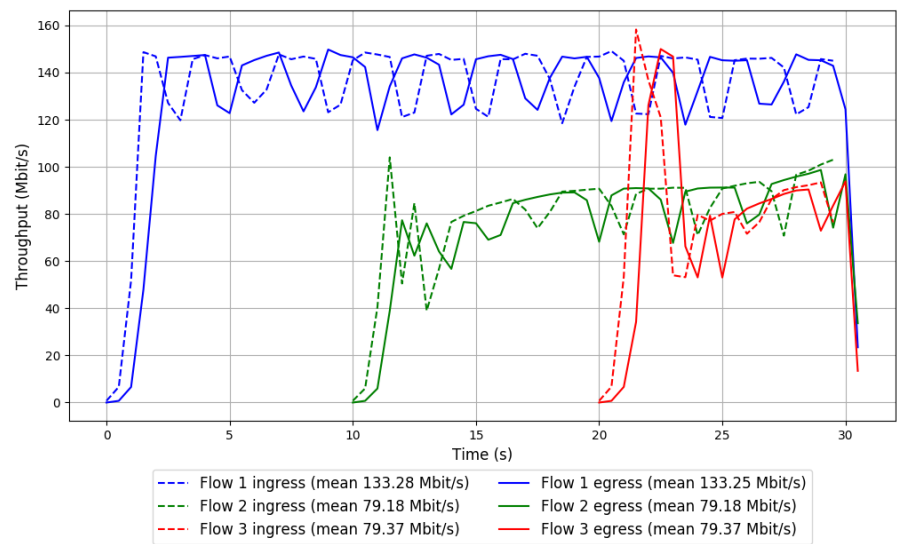


Run 7: Statistics of TCP Cubic

Start at: 2018-07-24 14:48:02
End at: 2018-07-24 14:48:32
Local clock offset: -0.026 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 212.20 Mbit/s
95th percentile per-packet one-way delay: 95.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.25 Mbit/s
95th percentile per-packet one-way delay: 96.462 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 92.963 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 95.646 ms
Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

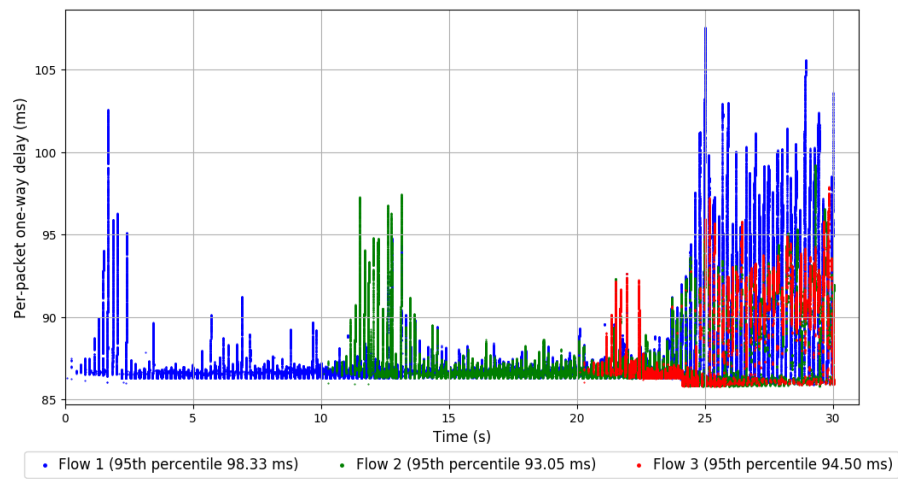
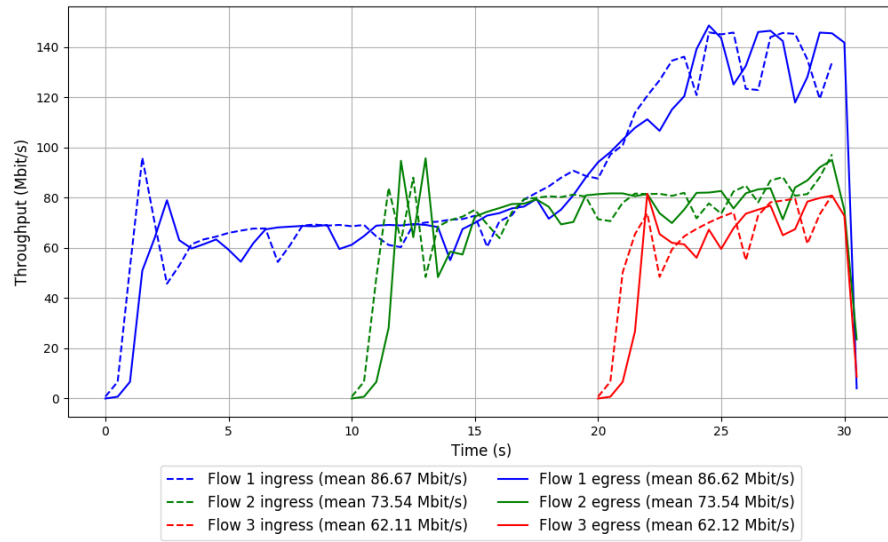


Run 8: Statistics of TCP Cubic

Start at: 2018-07-24 15:18:25
End at: 2018-07-24 15:18:55
Local clock offset: 0.1 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-24 17:16:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 156.05 Mbit/s
95th percentile per-packet one-way delay: 96.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 98.328 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 73.54 Mbit/s
95th percentile per-packet one-way delay: 93.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 62.12 Mbit/s
95th percentile per-packet one-way delay: 94.498 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: 2018-07-24 15:45:56

End at: 2018-07-24 15:46:26

Local clock offset: 0.198 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-24 17:16:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 170.92 Mbit/s

95th percentile per-packet one-way delay: 97.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 79.20 Mbit/s

95th percentile per-packet one-way delay: 96.520 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 94.221 ms

Loss rate: 0.00%

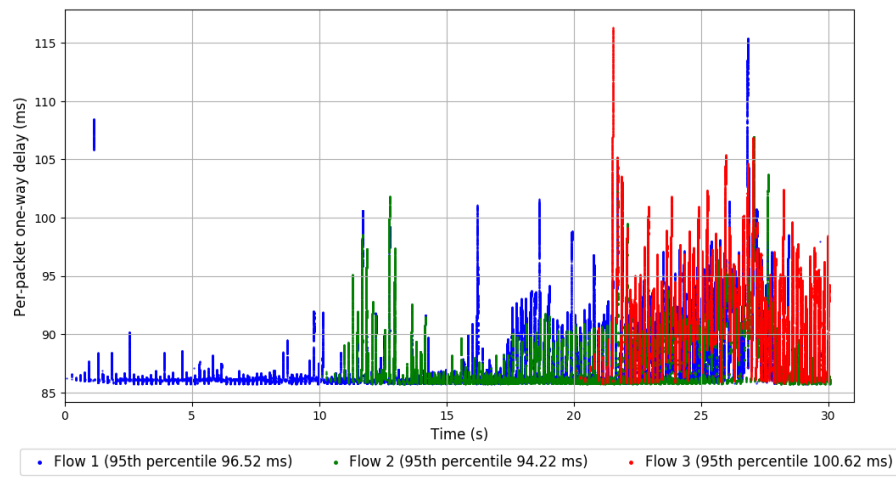
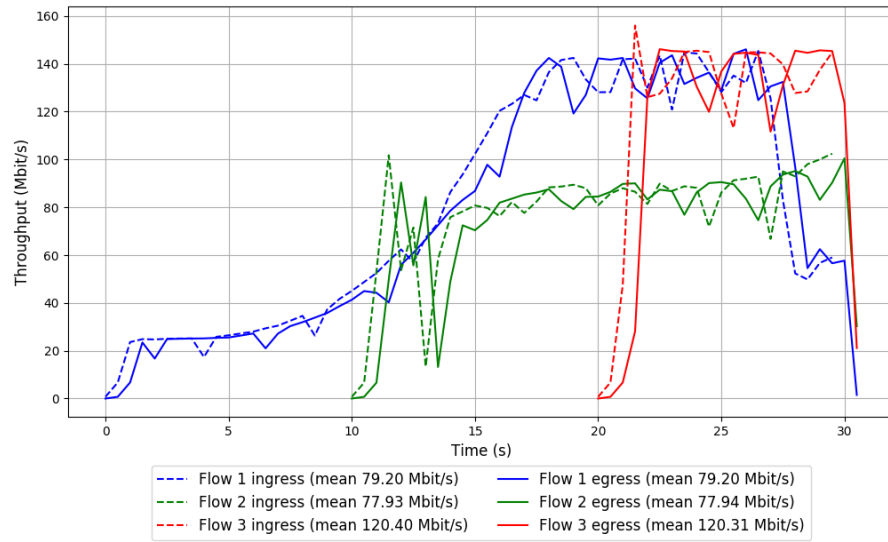
-- Flow 3:

Average throughput: 120.31 Mbit/s

95th percentile per-packet one-way delay: 100.623 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link

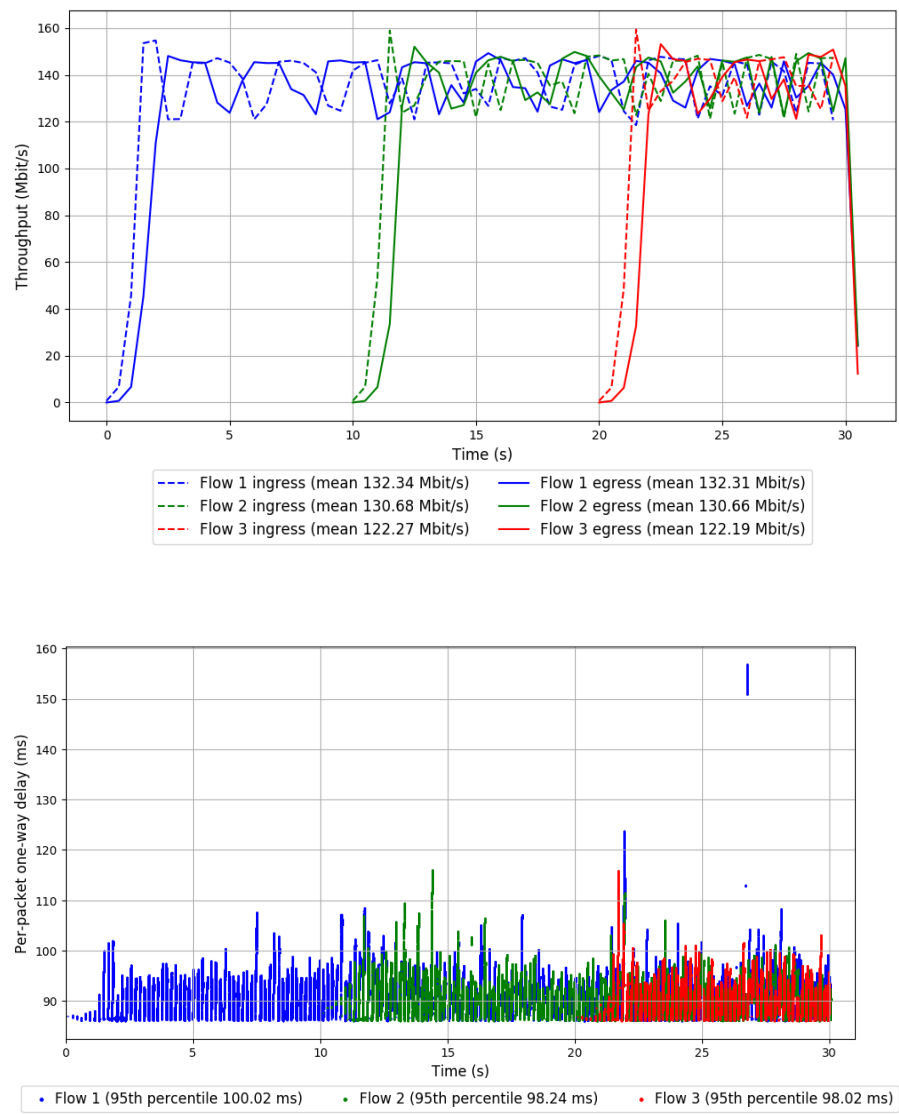


Run 10: Statistics of TCP Cubic

Start at: 2018-07-24 16:14:26
End at: 2018-07-24 16:14:56
Local clock offset: -0.058 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 17:17:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 259.62 Mbit/s
95th percentile per-packet one-way delay: 99.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.31 Mbit/s
95th percentile per-packet one-way delay: 100.021 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.66 Mbit/s
95th percentile per-packet one-way delay: 98.243 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 122.19 Mbit/s
95th percentile per-packet one-way delay: 98.020 ms
Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

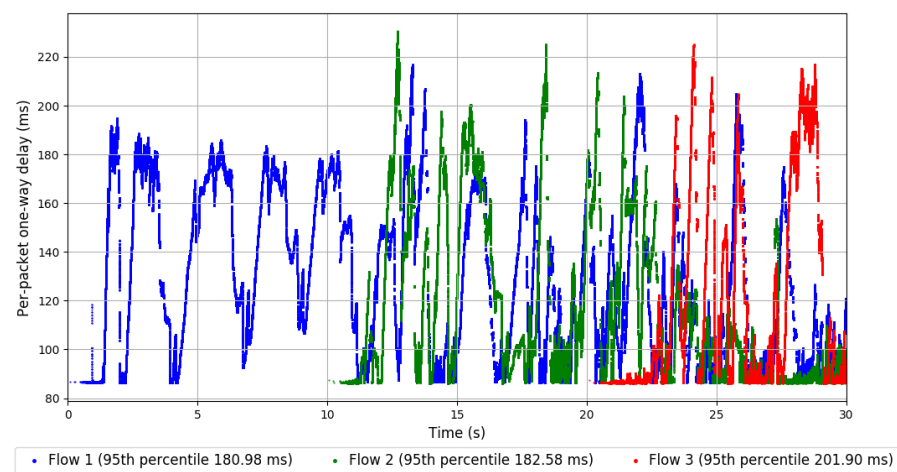
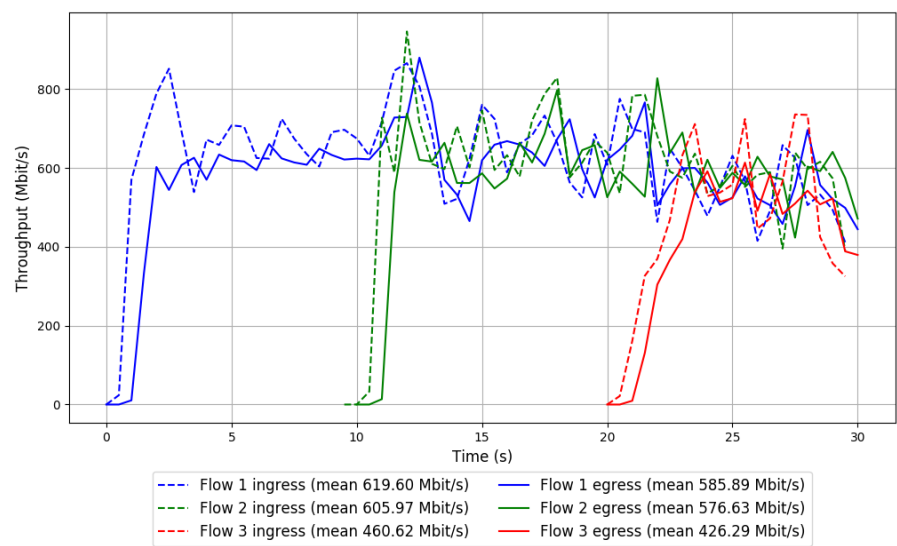


Run 1: Statistics of FillP

Start at: 2018-07-24 12:02:52
End at: 2018-07-24 12:03:22
Local clock offset: -0.227 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-07-24 17:44:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1110.96 Mbit/s
95th percentile per-packet one-way delay: 185.636 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 585.89 Mbit/s
95th percentile per-packet one-way delay: 180.983 ms
Loss rate: 5.44%
-- Flow 2:
Average throughput: 576.63 Mbit/s
95th percentile per-packet one-way delay: 182.577 ms
Loss rate: 4.84%
-- Flow 3:
Average throughput: 426.29 Mbit/s
95th percentile per-packet one-way delay: 201.899 ms
Loss rate: 7.46%

Run 1: Report of FillP — Data Link

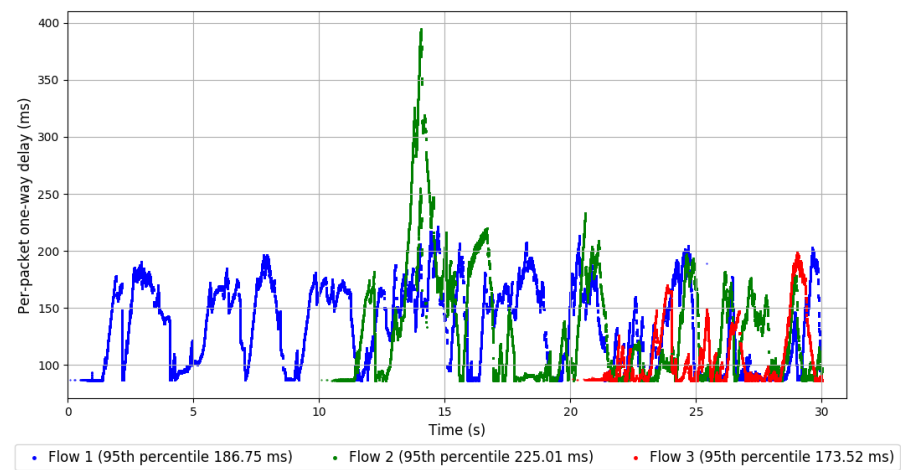
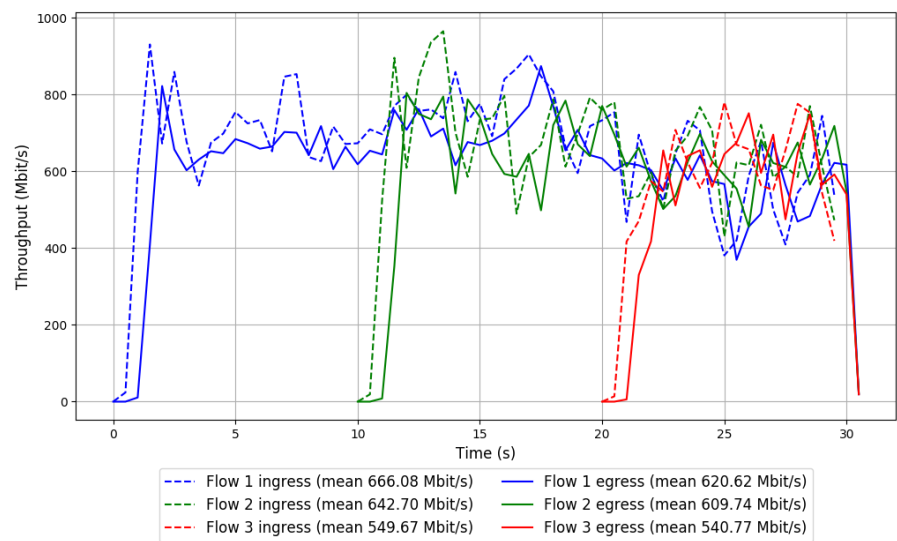


Run 2: Statistics of FillP

Start at: 2018-07-24 12:31:18
End at: 2018-07-24 12:31:48
Local clock offset: -0.045 ms
Remote clock offset: -0.169 ms

Below is generated by plot.py at 2018-07-24 17:47:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1205.43 Mbit/s
95th percentile per-packet one-way delay: 193.486 ms
Loss rate: 5.52%
-- Flow 1:
Average throughput: 620.62 Mbit/s
95th percentile per-packet one-way delay: 186.751 ms
Loss rate: 6.83%
-- Flow 2:
Average throughput: 609.74 Mbit/s
95th percentile per-packet one-way delay: 225.008 ms
Loss rate: 5.13%
-- Flow 3:
Average throughput: 540.77 Mbit/s
95th percentile per-packet one-way delay: 173.520 ms
Loss rate: 1.63%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-24 12:58:24

End at: 2018-07-24 12:58:54

Local clock offset: 0.049 ms

Remote clock offset: 0.102 ms

Below is generated by plot.py at 2018-07-24 17:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1088.52 Mbit/s

95th percentile per-packet one-way delay: 186.989 ms

Loss rate: 5.47%

-- Flow 1:

Average throughput: 583.35 Mbit/s

95th percentile per-packet one-way delay: 182.782 ms

Loss rate: 6.31%

-- Flow 2:

Average throughput: 541.21 Mbit/s

95th percentile per-packet one-way delay: 208.735 ms

Loss rate: 5.69%

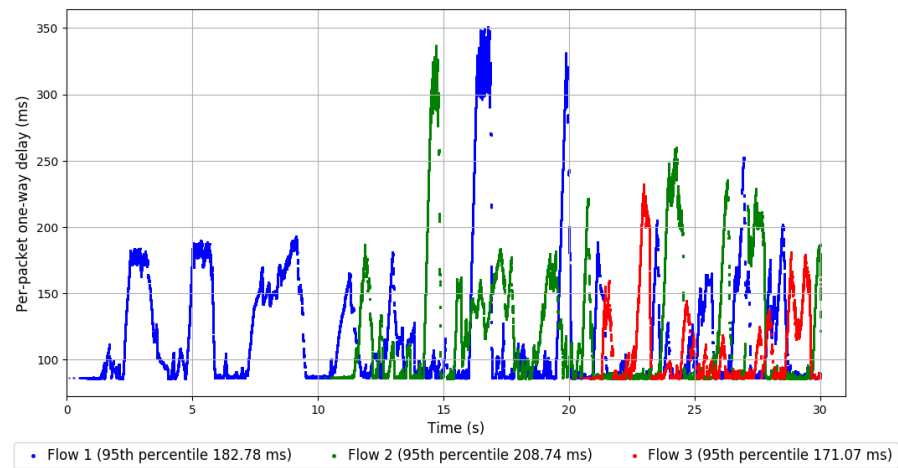
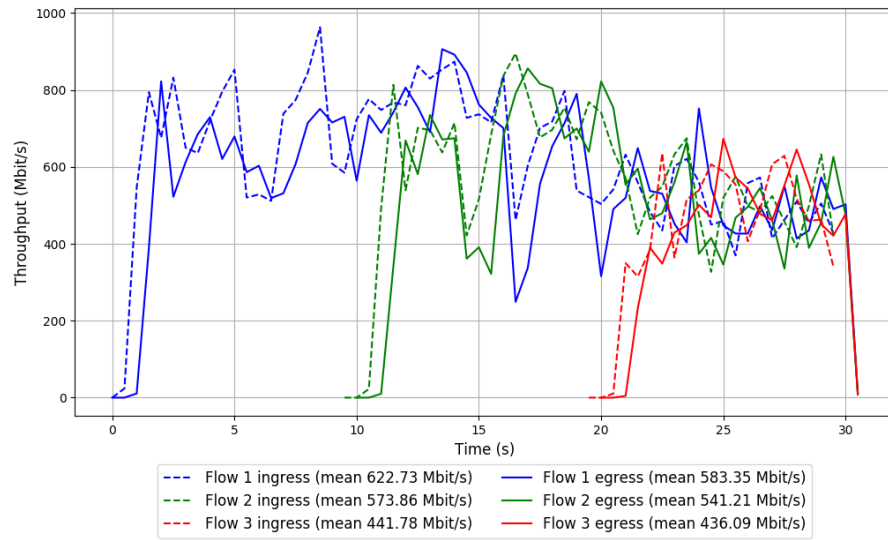
-- Flow 3:

Average throughput: 436.09 Mbit/s

95th percentile per-packet one-way delay: 171.072 ms

Loss rate: 1.29%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-24 13:24:25

End at: 2018-07-24 13:24:55

Local clock offset: 0.177 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2018-07-24 17:47:11

Datalink statistics

-- Total of 3 flows:

Average throughput: 1146.21 Mbit/s

95th percentile per-packet one-way delay: 253.645 ms

Loss rate: 4.37%

-- Flow 1:

Average throughput: 632.97 Mbit/s

95th percentile per-packet one-way delay: 186.921 ms

Loss rate: 4.16%

-- Flow 2:

Average throughput: 544.71 Mbit/s

95th percentile per-packet one-way delay: 275.531 ms

Loss rate: 5.72%

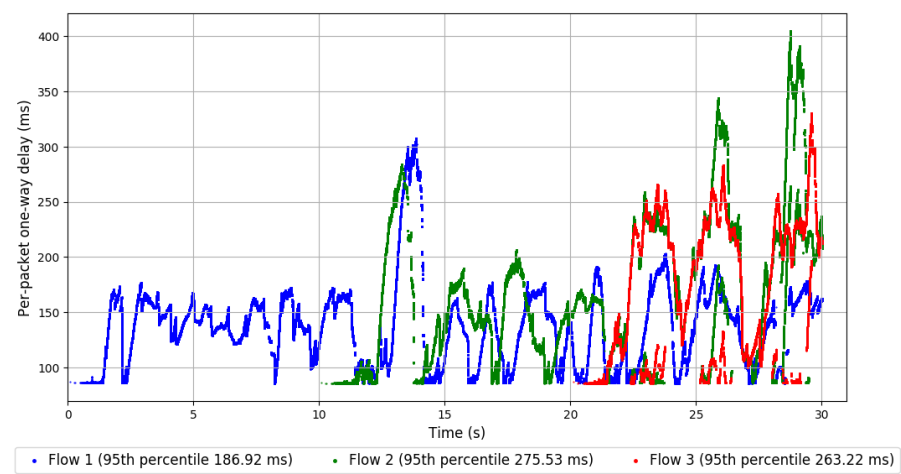
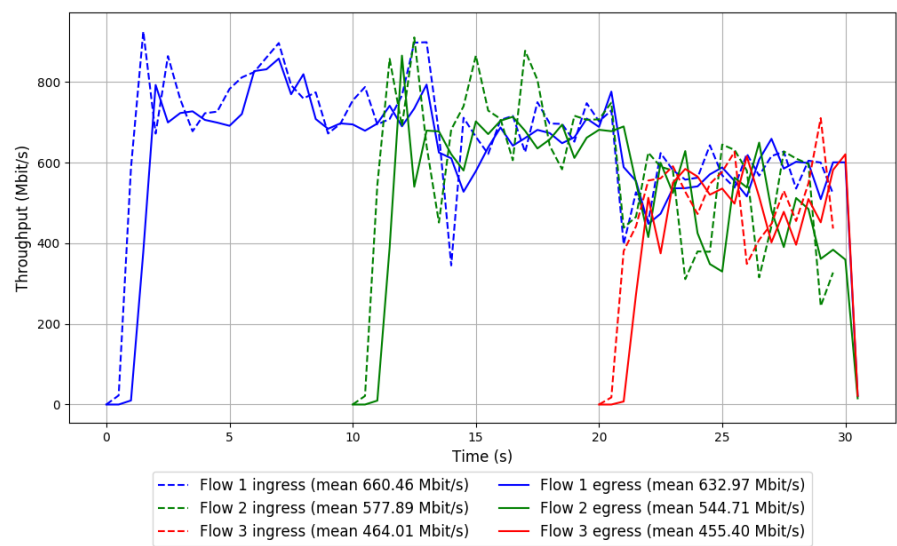
-- Flow 3:

Average throughput: 455.40 Mbit/s

95th percentile per-packet one-way delay: 263.221 ms

Loss rate: 1.85%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-24 13:50:36

End at: 2018-07-24 13:51:06

Local clock offset: 0.266 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-24 17:48:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 1166.18 Mbit/s

95th percentile per-packet one-way delay: 225.981 ms

Loss rate: 8.45%

-- Flow 1:

Average throughput: 639.30 Mbit/s

95th percentile per-packet one-way delay: 223.222 ms

Loss rate: 7.95%

-- Flow 2:

Average throughput: 648.38 Mbit/s

95th percentile per-packet one-way delay: 191.826 ms

Loss rate: 9.39%

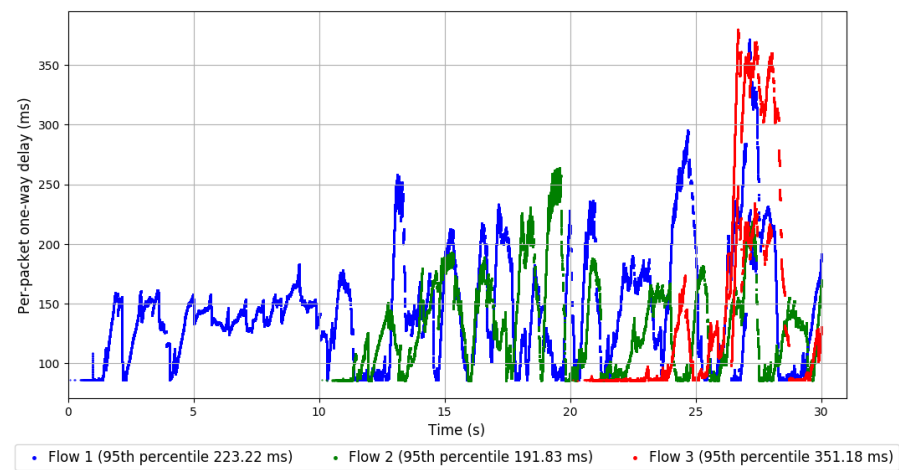
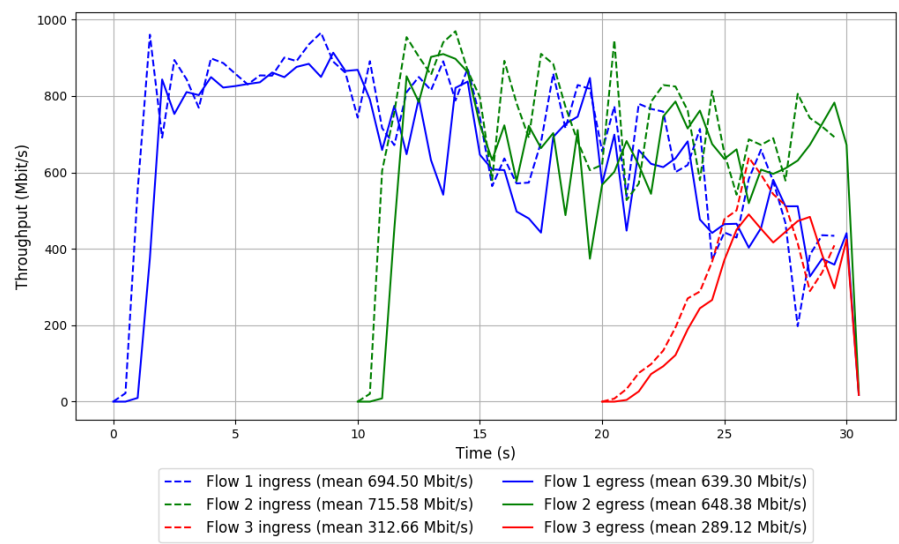
-- Flow 3:

Average throughput: 289.12 Mbit/s

95th percentile per-packet one-way delay: 351.182 ms

Loss rate: 7.52%

Run 5: Report of FillP — Data Link

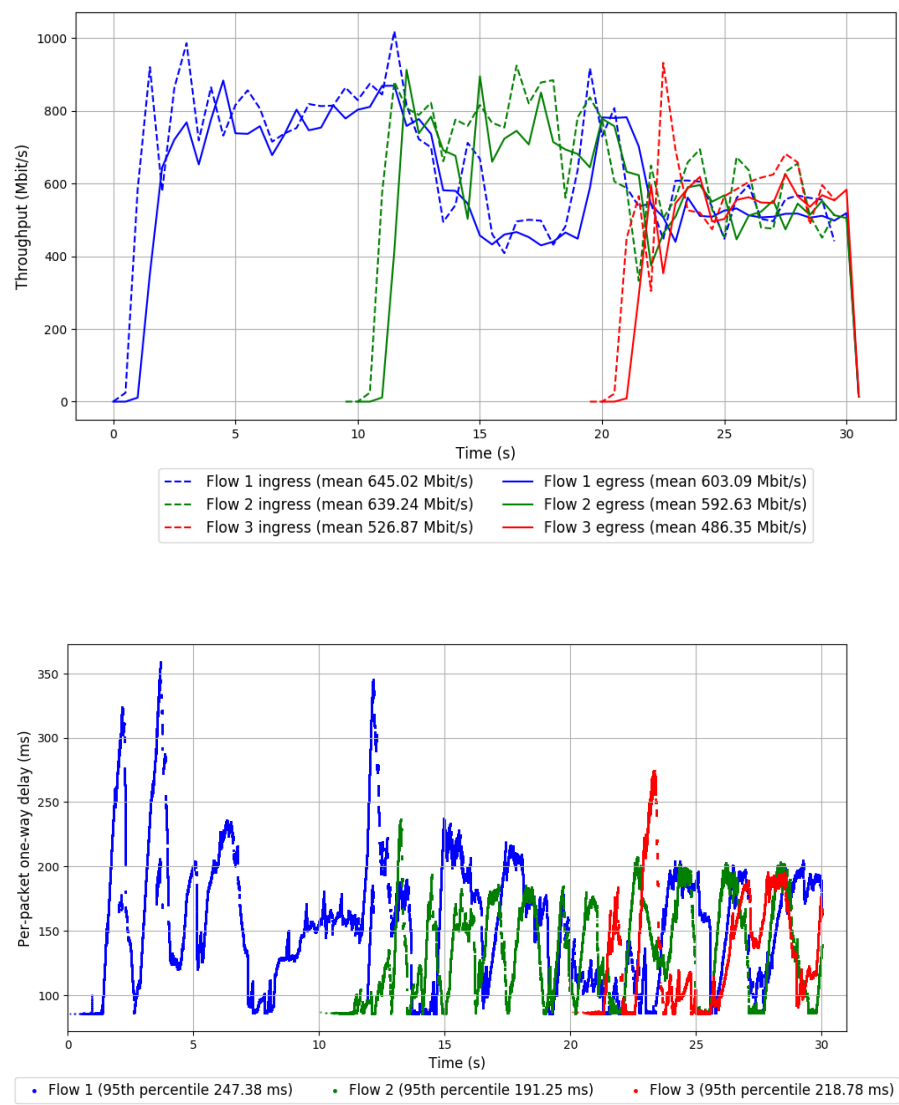


Run 6: Statistics of FillP

Start at: 2018-07-24 14:18:37
End at: 2018-07-24 14:19:07
Local clock offset: -0.003 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-24 17:49:03
Datalink statistics
-- Total of 3 flows:
Average throughput: 1159.21 Mbit/s
95th percentile per-packet one-way delay: 222.256 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 603.09 Mbit/s
95th percentile per-packet one-way delay: 247.380 ms
Loss rate: 6.50%
-- Flow 2:
Average throughput: 592.63 Mbit/s
95th percentile per-packet one-way delay: 191.250 ms
Loss rate: 7.29%
-- Flow 3:
Average throughput: 486.35 Mbit/s
95th percentile per-packet one-way delay: 218.785 ms
Loss rate: 7.69%

Run 6: Report of FillP — Data Link

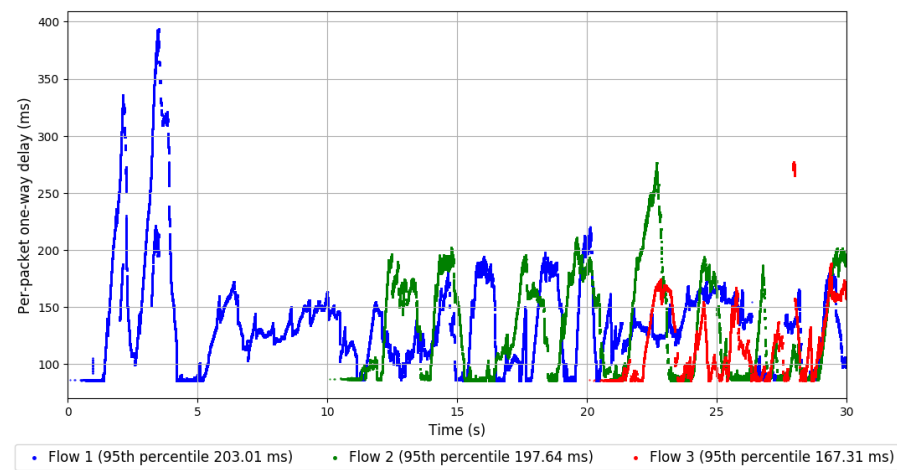
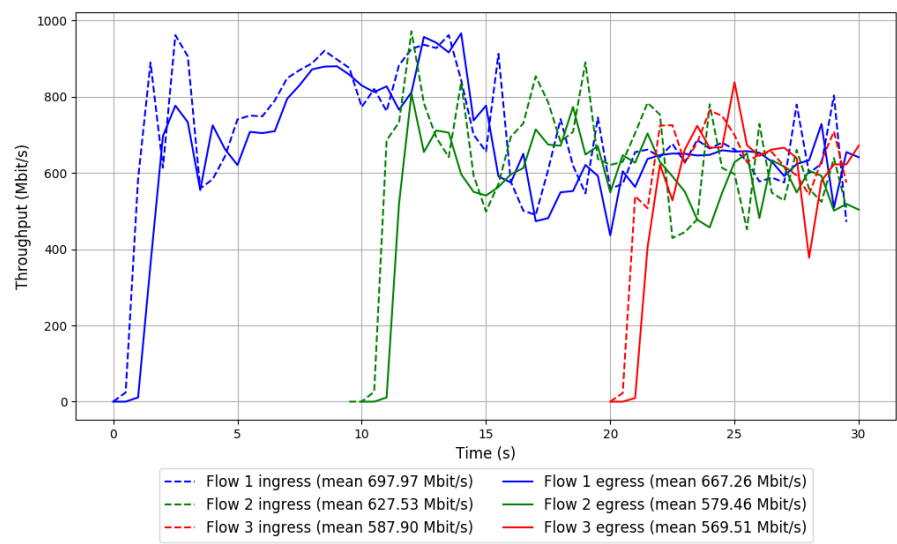


Run 7: Statistics of FillP

Start at: 2018-07-24 14:49:34
End at: 2018-07-24 14:50:04
Local clock offset: 0.165 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-24 17:51:48
Datalink statistics
-- Total of 3 flows:
Average throughput: 1241.58 Mbit/s
95th percentile per-packet one-way delay: 195.110 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 667.26 Mbit/s
95th percentile per-packet one-way delay: 203.015 ms
Loss rate: 4.40%
-- Flow 2:
Average throughput: 579.46 Mbit/s
95th percentile per-packet one-way delay: 197.637 ms
Loss rate: 7.66%
-- Flow 3:
Average throughput: 569.51 Mbit/s
95th percentile per-packet one-way delay: 167.315 ms
Loss rate: 3.10%

Run 7: Report of FillP — Data Link

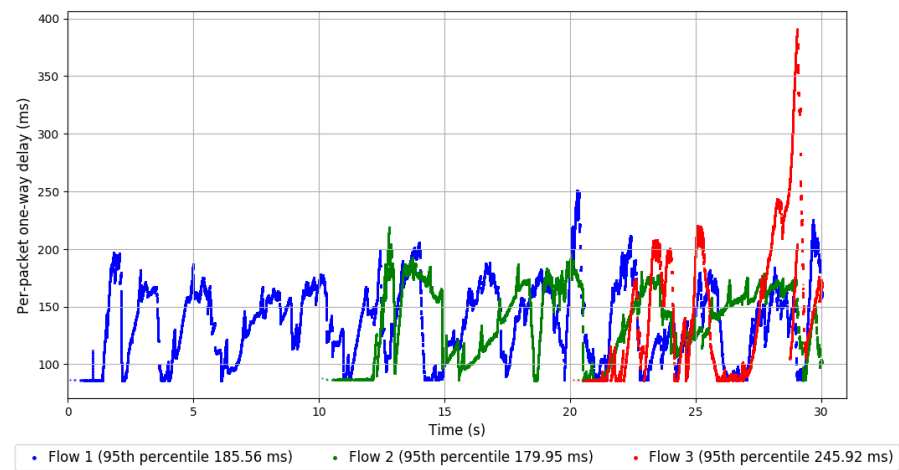
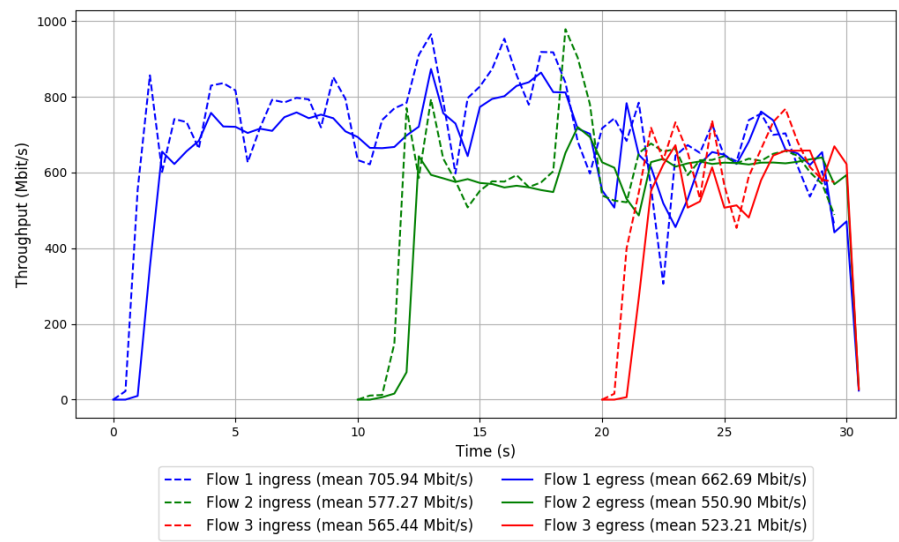


Run 8: Statistics of FillP

Start at: 2018-07-24 15:19:52
End at: 2018-07-24 15:20:22
Local clock offset: 0.054 ms
Remote clock offset: -0.104 ms

Below is generated by plot.py at 2018-07-24 17:52:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1201.93 Mbit/s
95th percentile per-packet one-way delay: 194.119 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 662.69 Mbit/s
95th percentile per-packet one-way delay: 185.560 ms
Loss rate: 6.13%
-- Flow 2:
Average throughput: 550.90 Mbit/s
95th percentile per-packet one-way delay: 179.950 ms
Loss rate: 4.57%
-- Flow 3:
Average throughput: 523.21 Mbit/s
95th percentile per-packet one-way delay: 245.917 ms
Loss rate: 7.47%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-07-24 15:47:17

End at: 2018-07-24 15:47:47

Local clock offset: 0.124 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-24 18:14:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 1067.32 Mbit/s

95th percentile per-packet one-way delay: 310.526 ms

Loss rate: 9.78%

-- Flow 1:

Average throughput: 572.42 Mbit/s

95th percentile per-packet one-way delay: 316.558 ms

Loss rate: 8.68%

-- Flow 2:

Average throughput: 511.89 Mbit/s

95th percentile per-packet one-way delay: 217.329 ms

Loss rate: 11.00%

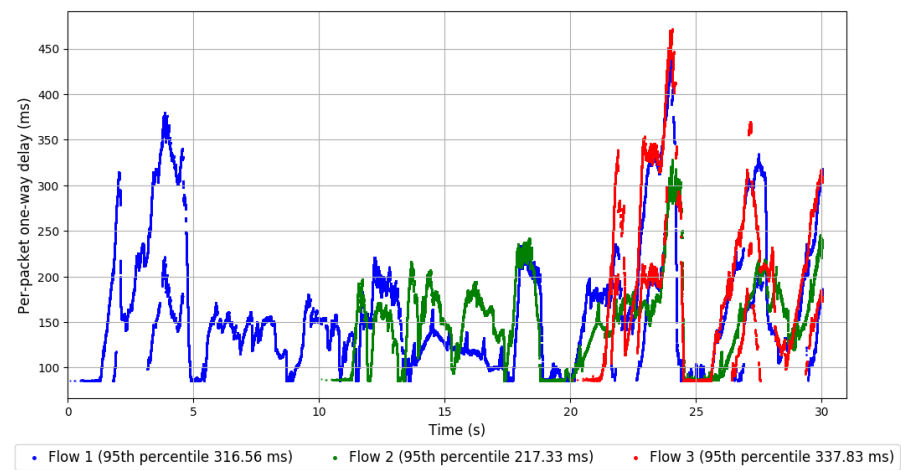
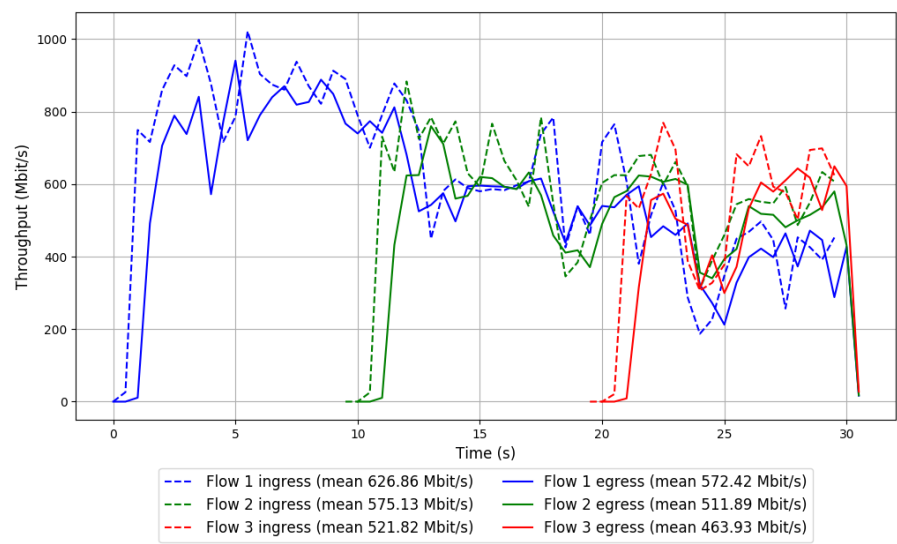
-- Flow 3:

Average throughput: 463.93 Mbit/s

95th percentile per-packet one-way delay: 337.831 ms

Loss rate: 11.08%

Run 9: Report of FillP — Data Link

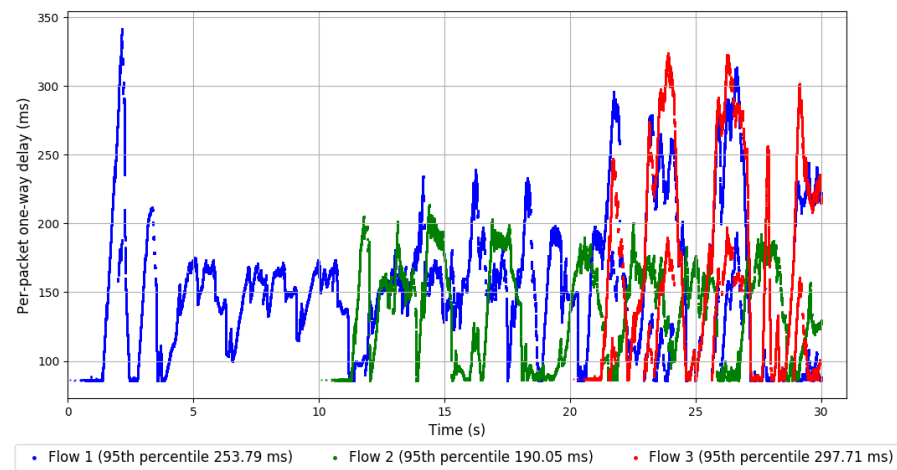
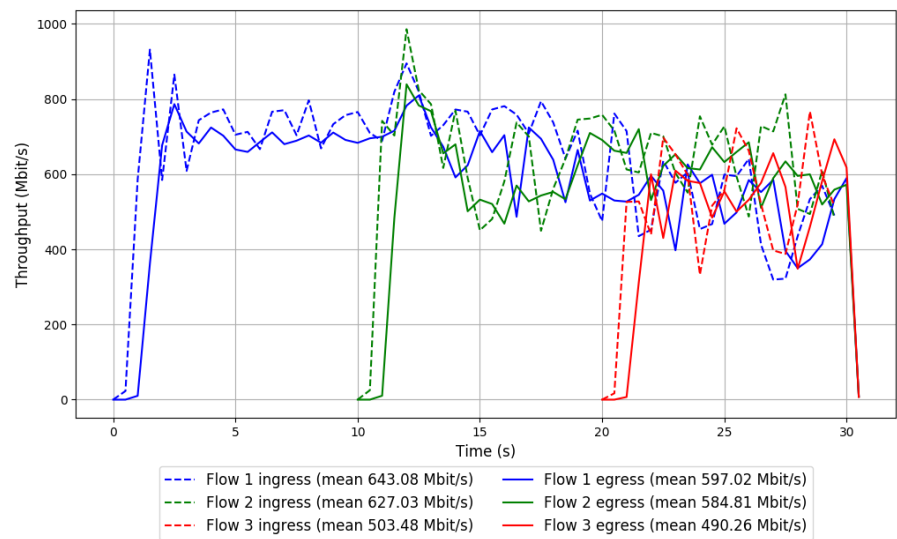


Run 10: Statistics of FillP

Start at: 2018-07-24 16:16:04
End at: 2018-07-24 16:16:34
Local clock offset: 0.145 ms
Remote clock offset: -0.082 ms

Below is generated by plot.py at 2018-07-24 18:16:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1148.34 Mbit/s
95th percentile per-packet one-way delay: 260.554 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 597.02 Mbit/s
95th percentile per-packet one-way delay: 253.793 ms
Loss rate: 7.16%
-- Flow 2:
Average throughput: 584.81 Mbit/s
95th percentile per-packet one-way delay: 190.052 ms
Loss rate: 6.73%
-- Flow 3:
Average throughput: 490.26 Mbit/s
95th percentile per-packet one-way delay: 297.707 ms
Loss rate: 2.62%

Run 10: Report of FillP — Data Link

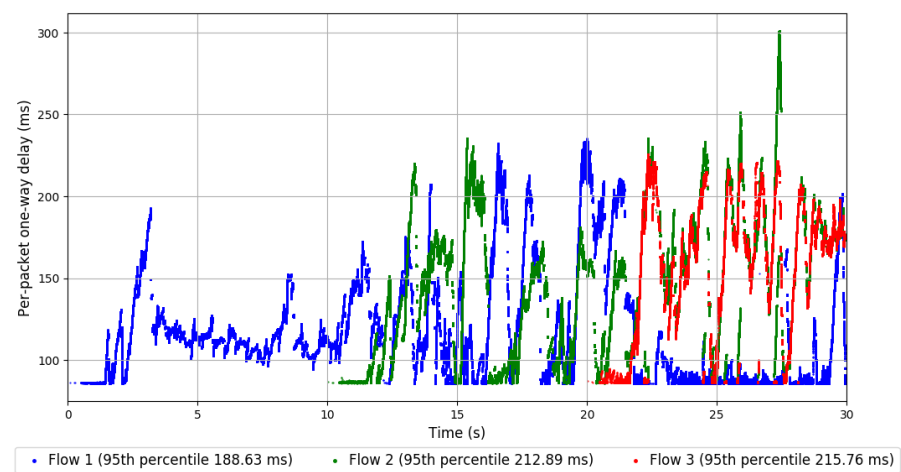
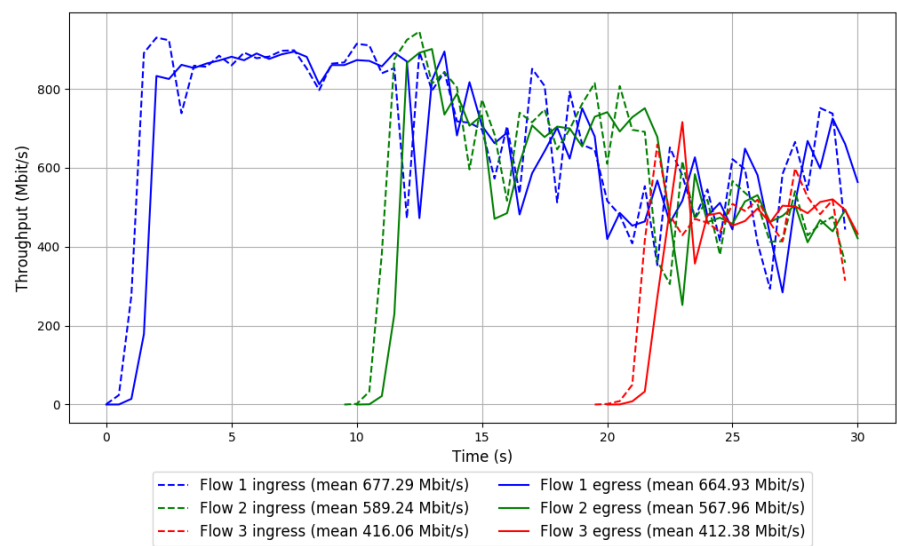


Run 1: Statistics of FillP-Sheep

Start at: 2018-07-24 11:51:01
End at: 2018-07-24 11:51:31
Local clock offset: 0.223 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-24 18:19:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1180.86 Mbit/s
95th percentile per-packet one-way delay: 206.690 ms
Loss rate: 2.30%
-- Flow 1:
Average throughput: 664.93 Mbit/s
95th percentile per-packet one-way delay: 188.635 ms
Loss rate: 1.83%
-- Flow 2:
Average throughput: 567.96 Mbit/s
95th percentile per-packet one-way delay: 212.893 ms
Loss rate: 3.62%
-- Flow 3:
Average throughput: 412.38 Mbit/s
95th percentile per-packet one-way delay: 215.765 ms
Loss rate: 0.90%

Run 1: Report of FillP-Sheep — Data Link

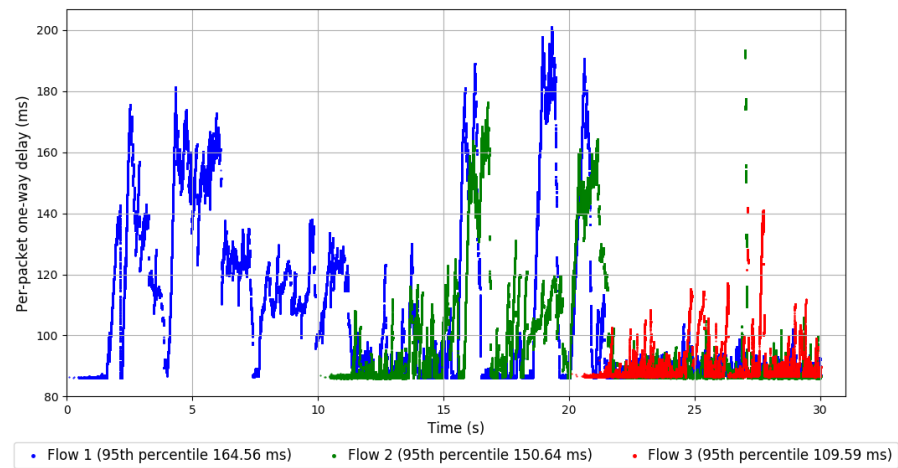
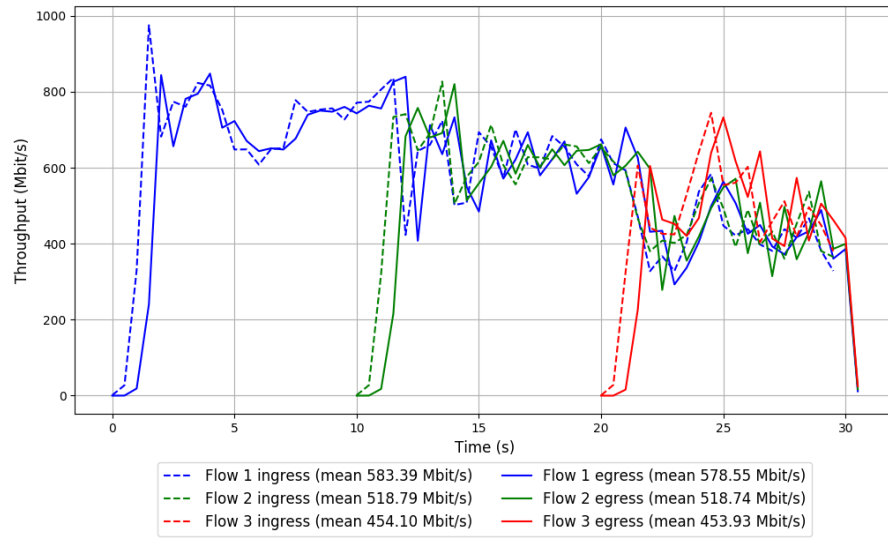


Run 2: Statistics of FillP-Sheep

Start at: 2018-07-24 12:19:25
End at: 2018-07-24 12:19:55
Local clock offset: -0.095 ms
Remote clock offset: -0.294 ms

Below is generated by plot.py at 2018-07-24 18:19:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1074.29 Mbit/s
95th percentile per-packet one-way delay: 158.228 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 578.55 Mbit/s
95th percentile per-packet one-way delay: 164.562 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 518.74 Mbit/s
95th percentile per-packet one-way delay: 150.641 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 453.93 Mbit/s
95th percentile per-packet one-way delay: 109.587 ms
Loss rate: 0.03%

Run 2: Report of FillP-Sheep — Data Link

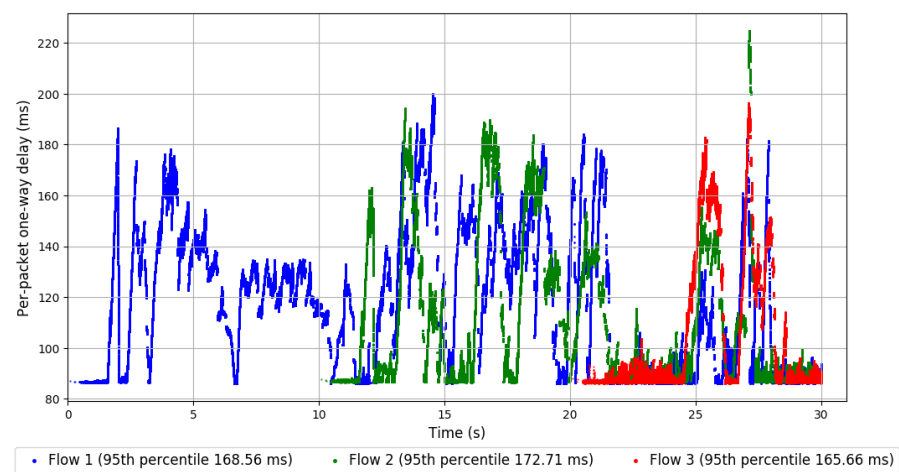
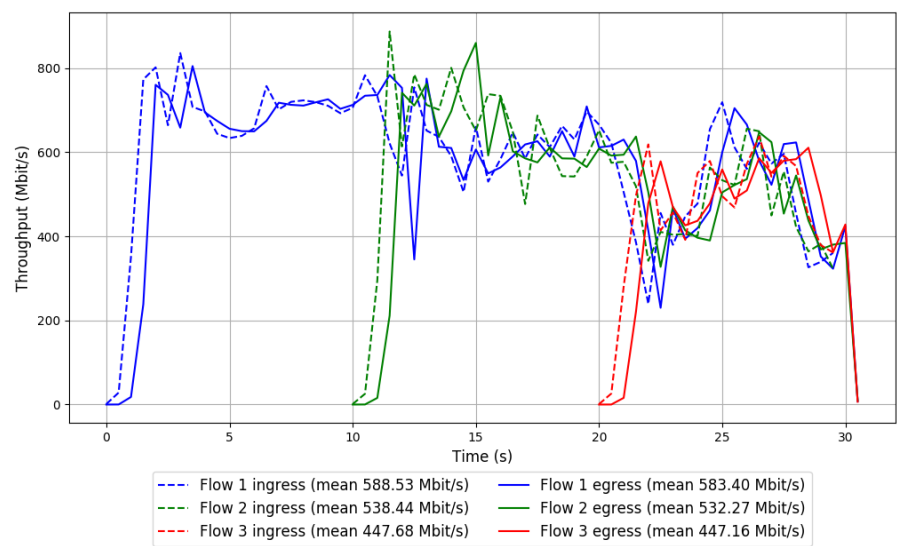


Run 3: Statistics of FillP-Sheep

Start at: 2018-07-24 12:47:32
End at: 2018-07-24 12:48:02
Local clock offset: -0.088 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-24 18:19:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1085.83 Mbit/s
95th percentile per-packet one-way delay: 169.375 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 583.40 Mbit/s
95th percentile per-packet one-way delay: 168.565 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 532.27 Mbit/s
95th percentile per-packet one-way delay: 172.714 ms
Loss rate: 1.14%
-- Flow 3:
Average throughput: 447.16 Mbit/s
95th percentile per-packet one-way delay: 165.655 ms
Loss rate: 0.12%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-24 13:13:34

End at: 2018-07-24 13:14:04

Local clock offset: -0.056 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-24 18:19:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 1139.61 Mbit/s

95th percentile per-packet one-way delay: 241.597 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 631.10 Mbit/s

95th percentile per-packet one-way delay: 247.079 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 525.07 Mbit/s

95th percentile per-packet one-way delay: 243.418 ms

Loss rate: 0.23%

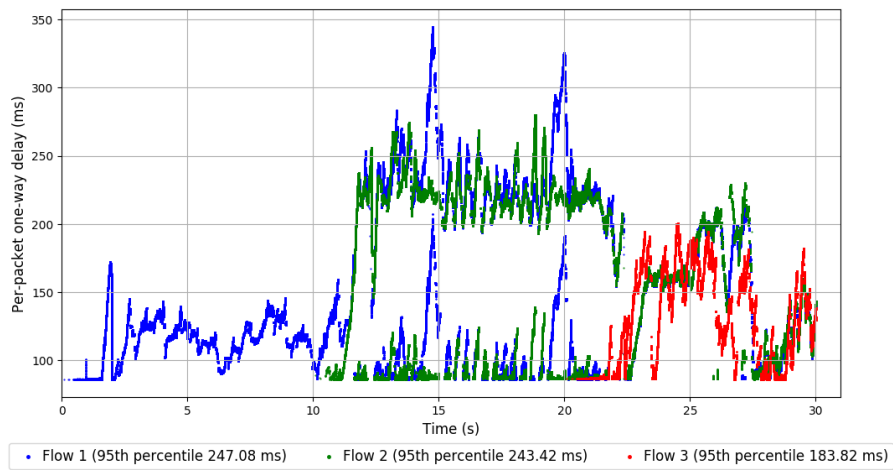
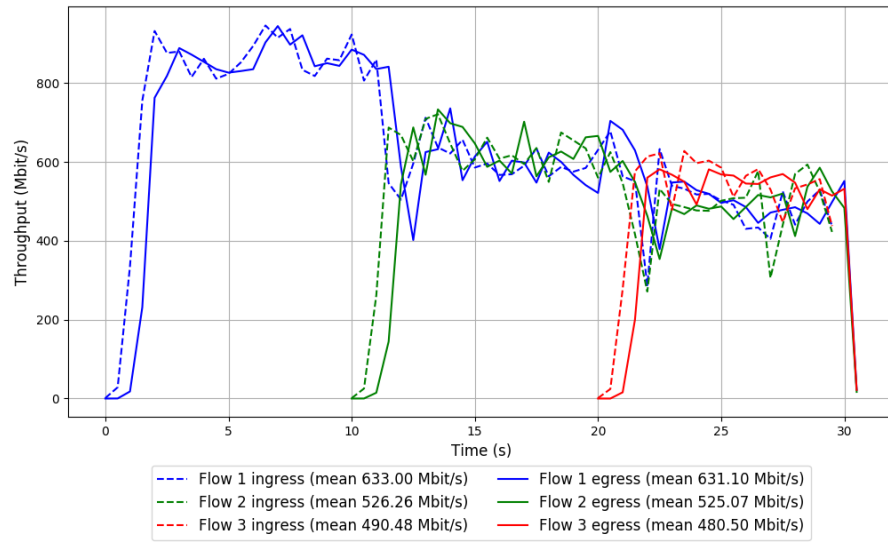
-- Flow 3:

Average throughput: 480.50 Mbit/s

95th percentile per-packet one-way delay: 183.822 ms

Loss rate: 1.90%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-24 13:39:41

End at: 2018-07-24 13:40:11

Local clock offset: 0.048 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-24 18:23:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 1162.92 Mbit/s

95th percentile per-packet one-way delay: 168.543 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 650.10 Mbit/s

95th percentile per-packet one-way delay: 157.969 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 534.91 Mbit/s

95th percentile per-packet one-way delay: 192.213 ms

Loss rate: 3.50%

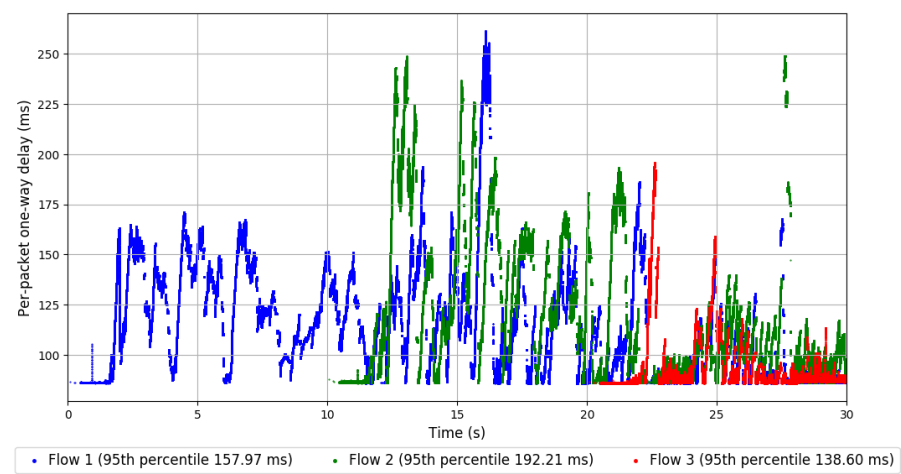
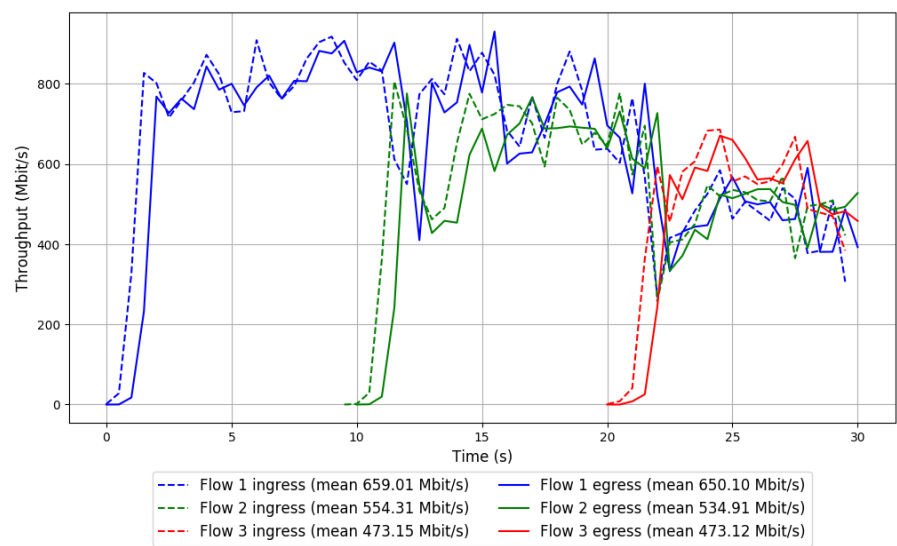
-- Flow 3:

Average throughput: 473.12 Mbit/s

95th percentile per-packet one-way delay: 138.603 ms

Loss rate: 0.00%

Run 5: Report of FillP-Sheep — Data Link

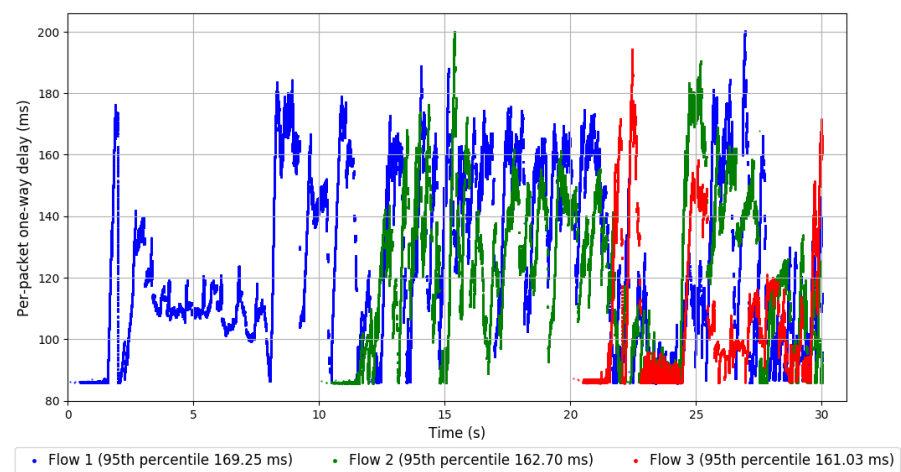
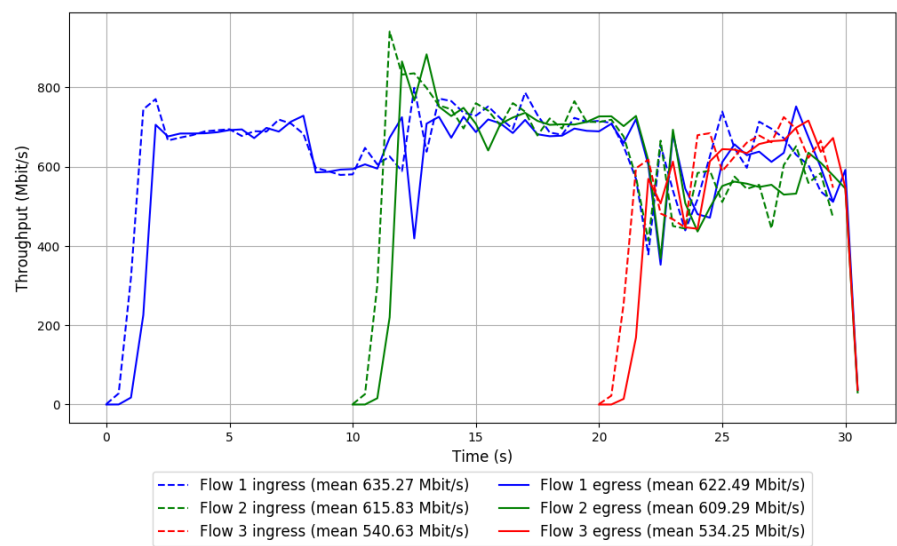


Run 6: Statistics of FillP-Sheep

Start at: 2018-07-24 14:06:02
End at: 2018-07-24 14:06:32
Local clock offset: 0.21 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-07-24 18:24:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 1204.71 Mbit/s
95th percentile per-packet one-way delay: 167.090 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 622.49 Mbit/s
95th percentile per-packet one-way delay: 169.246 ms
Loss rate: 1.98%
-- Flow 2:
Average throughput: 609.29 Mbit/s
95th percentile per-packet one-way delay: 162.703 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 534.25 Mbit/s
95th percentile per-packet one-way delay: 161.031 ms
Loss rate: 1.19%

Run 6: Report of FillP-Sheep — Data Link

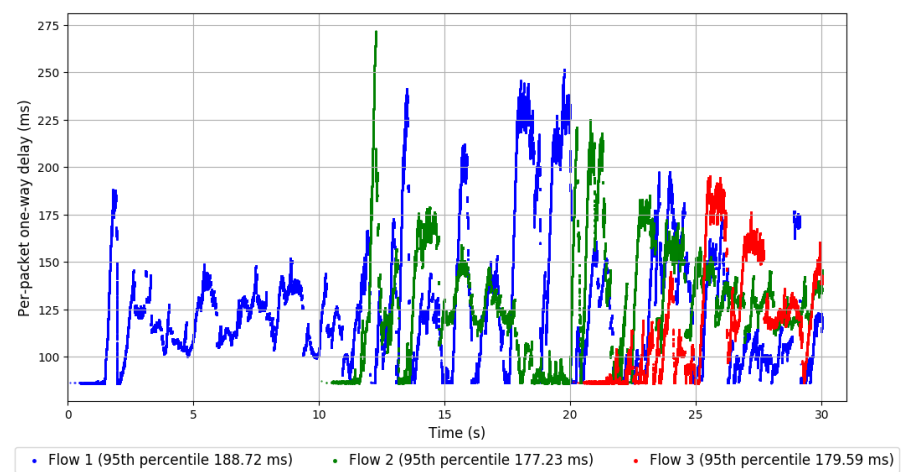
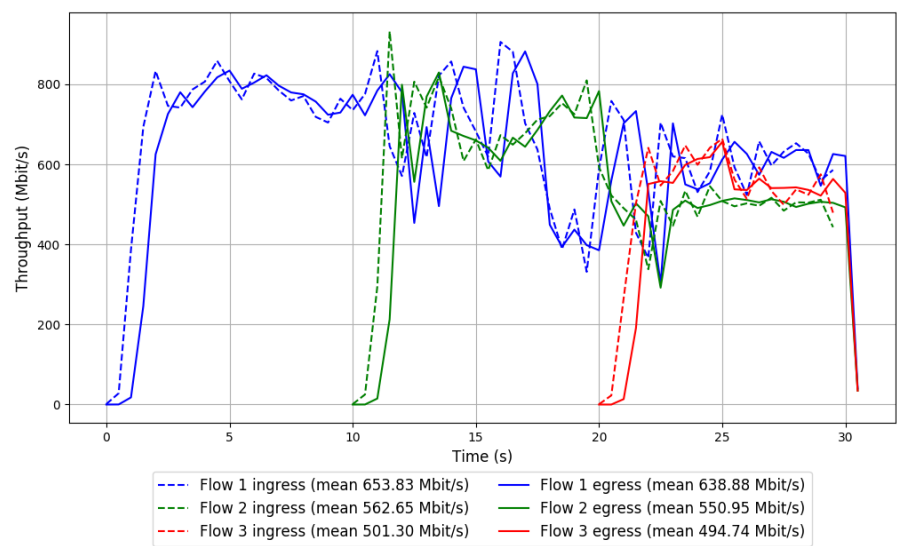


Run 7: Statistics of FillP-Sheep

Start at: 2018-07-24 14:36:11
End at: 2018-07-24 14:36:41
Local clock offset: -0.116 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-07-24 18:48:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 1169.14 Mbit/s
95th percentile per-packet one-way delay: 182.398 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 638.88 Mbit/s
95th percentile per-packet one-way delay: 188.719 ms
Loss rate: 2.28%
-- Flow 2:
Average throughput: 550.95 Mbit/s
95th percentile per-packet one-way delay: 177.231 ms
Loss rate: 2.08%
-- Flow 3:
Average throughput: 494.74 Mbit/s
95th percentile per-packet one-way delay: 179.586 ms
Loss rate: 1.32%

Run 7: Report of FillP-Sheep — Data Link

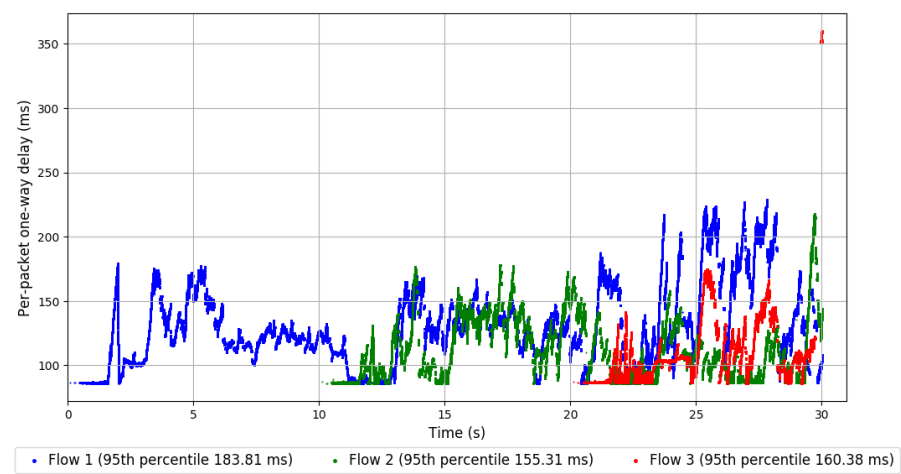
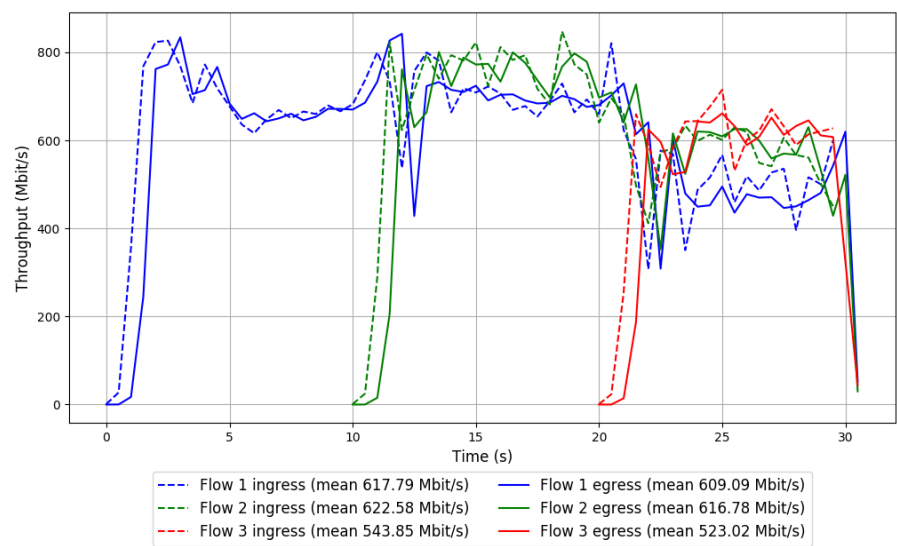


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-24 15:07:03
End at: 2018-07-24 15:07:33
Local clock offset: -0.066 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-24 18:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1192.69 Mbit/s
95th percentile per-packet one-way delay: 170.523 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 609.09 Mbit/s
95th percentile per-packet one-way delay: 183.805 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 616.78 Mbit/s
95th percentile per-packet one-way delay: 155.308 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 523.02 Mbit/s
95th percentile per-packet one-way delay: 160.384 ms
Loss rate: 3.84%

Run 8: Report of FillP-Sheep — Data Link

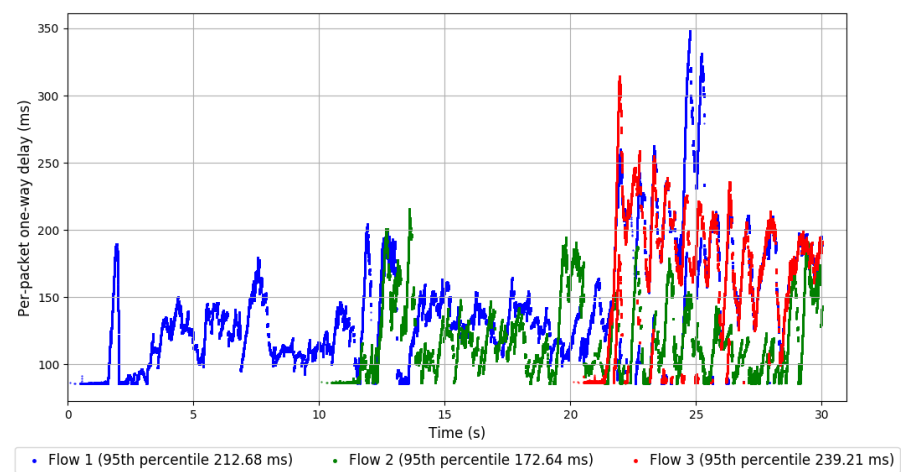
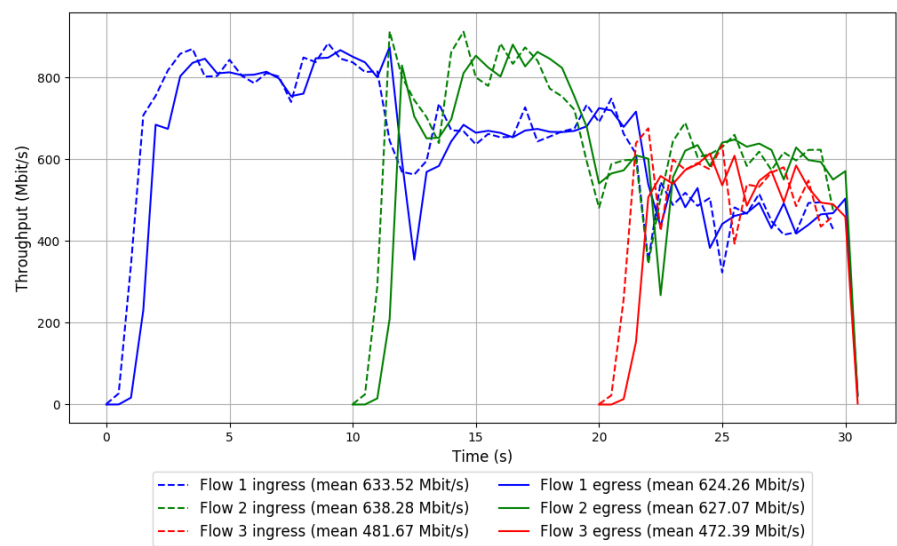


Run 9: Statistics of FillP-Sheep

Start at: 2018-07-24 15:35:53
End at: 2018-07-24 15:36:23
Local clock offset: -0.069 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-24 18:52:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 1197.80 Mbit/s
95th percentile per-packet one-way delay: 212.179 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 624.26 Mbit/s
95th percentile per-packet one-way delay: 212.678 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 627.07 Mbit/s
95th percentile per-packet one-way delay: 172.638 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 472.39 Mbit/s
95th percentile per-packet one-way delay: 239.213 ms
Loss rate: 1.93%

Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-24 16:03:45

End at: 2018-07-24 16:04:15

Local clock offset: -0.045 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1232.86 Mbit/s

95th percentile per-packet one-way delay: 170.846 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 684.79 Mbit/s

95th percentile per-packet one-way delay: 173.081 ms

Loss rate: 1.38%

-- Flow 2:

Average throughput: 584.43 Mbit/s

95th percentile per-packet one-way delay: 173.883 ms

Loss rate: 1.90%

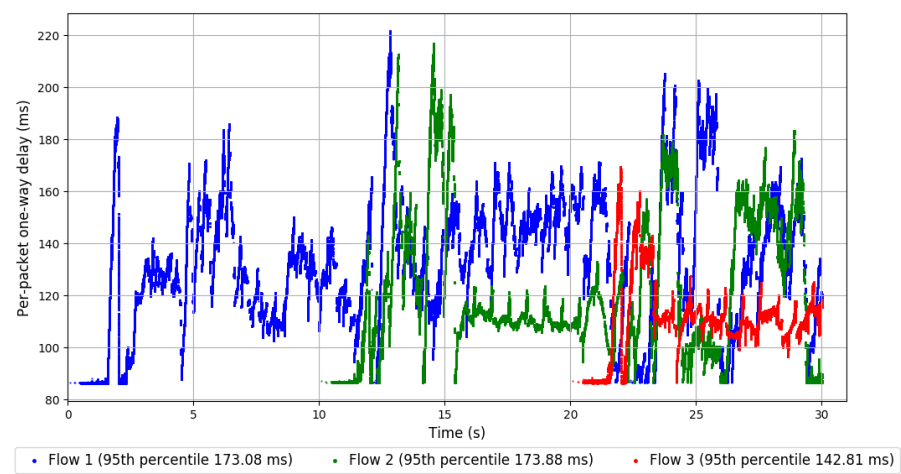
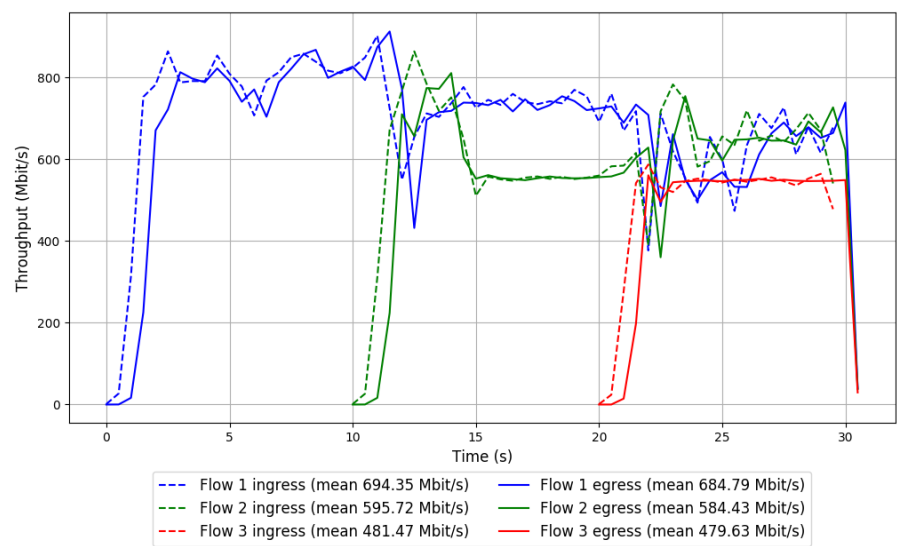
-- Flow 3:

Average throughput: 479.63 Mbit/s

95th percentile per-packet one-way delay: 142.805 ms

Loss rate: 0.38%

Run 10: Report of FillP-Sheep — Data Link

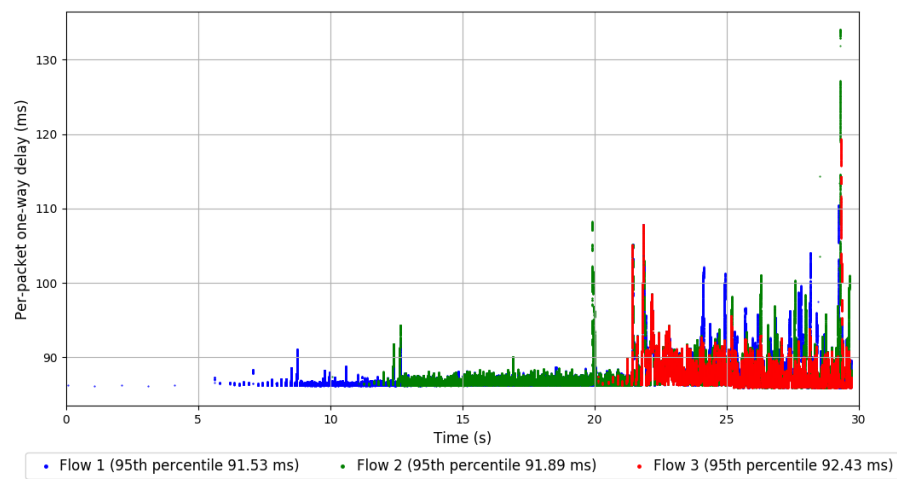
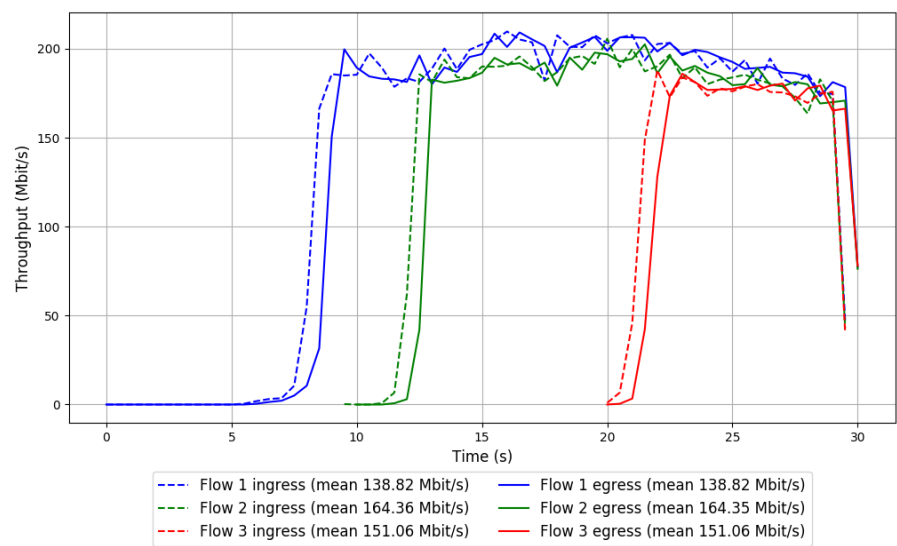


```
Run 1: Statistics of Indigo

Start at: 2018-07-24 12:17:43
End at: 2018-07-24 12:18:13
Local clock offset: -0.049 ms
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2018-07-24 18:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 296.62 Mbit/s
95th percentile per-packet one-way delay: 91.865 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 138.82 Mbit/s
95th percentile per-packet one-way delay: 91.532 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 164.35 Mbit/s
95th percentile per-packet one-way delay: 91.895 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.06 Mbit/s
95th percentile per-packet one-way delay: 92.432 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-24 12:45:50

End at: 2018-07-24 12:46:20

Local clock offset: -0.101 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 357.08 Mbit/s

95th percentile per-packet one-way delay: 90.950 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.75 Mbit/s

95th percentile per-packet one-way delay: 90.063 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 184.30 Mbit/s

95th percentile per-packet one-way delay: 91.281 ms

Loss rate: 0.00%

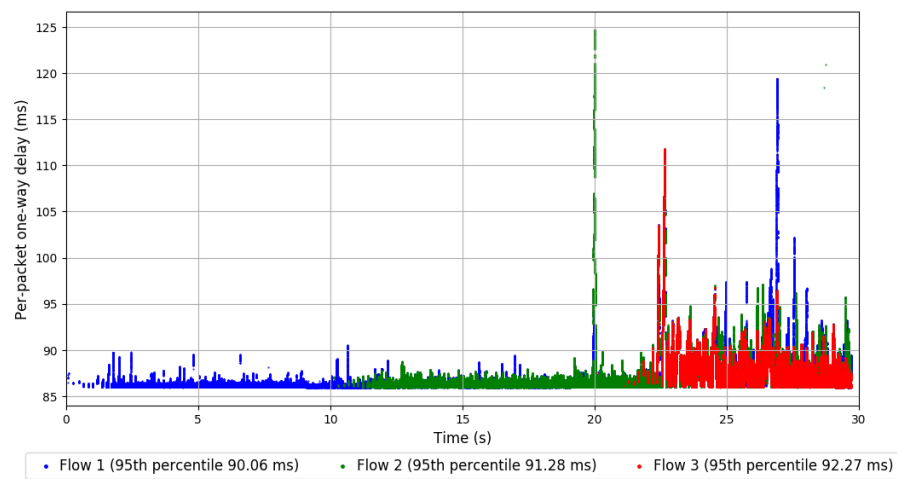
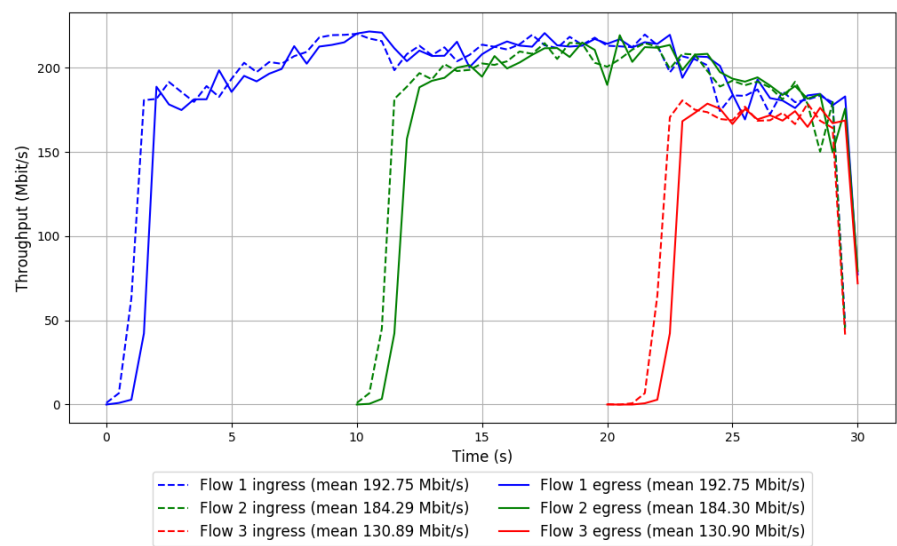
-- Flow 3:

Average throughput: 130.90 Mbit/s

95th percentile per-packet one-way delay: 92.266 ms

Loss rate: 0.01%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-24 13:11:56

End at: 2018-07-24 13:12:26

Local clock offset: 0.009 ms

Remote clock offset: 0.05 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 372.09 Mbit/s

95th percentile per-packet one-way delay: 92.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 199.52 Mbit/s

95th percentile per-packet one-way delay: 91.170 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 189.02 Mbit/s

95th percentile per-packet one-way delay: 94.509 ms

Loss rate: 0.00%

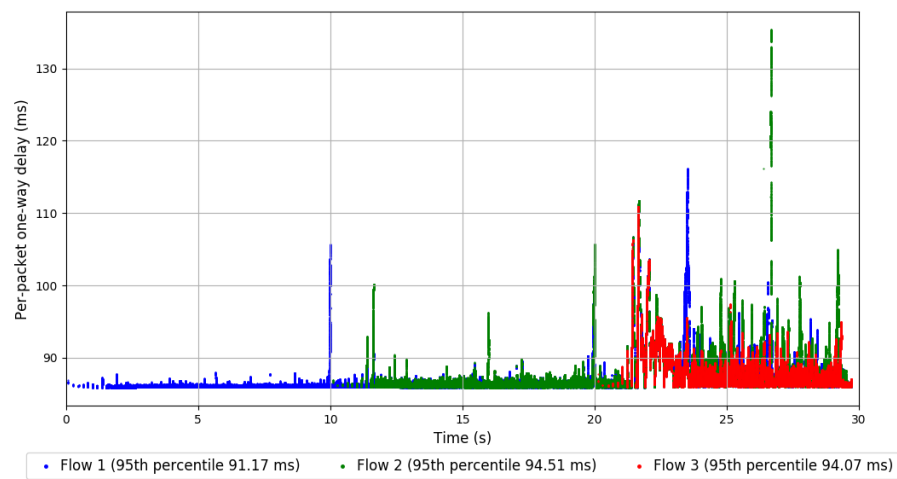
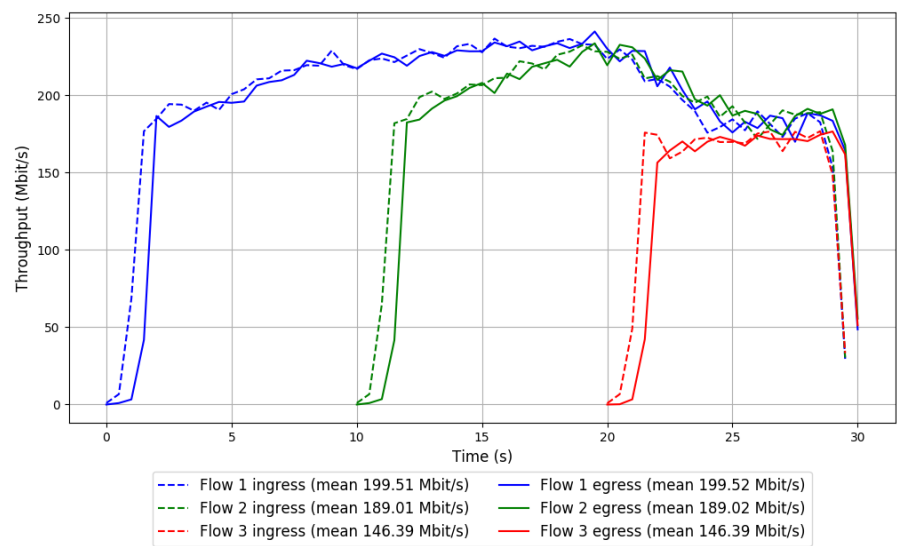
-- Flow 3:

Average throughput: 146.39 Mbit/s

95th percentile per-packet one-way delay: 94.071 ms

Loss rate: 0.01%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2018-07-24 13:38:03

End at: 2018-07-24 13:38:33

Local clock offset: 0.079 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 356.51 Mbit/s

95th percentile per-packet one-way delay: 90.691 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 192.44 Mbit/s

95th percentile per-packet one-way delay: 90.168 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.50 Mbit/s

95th percentile per-packet one-way delay: 90.664 ms

Loss rate: 0.00%

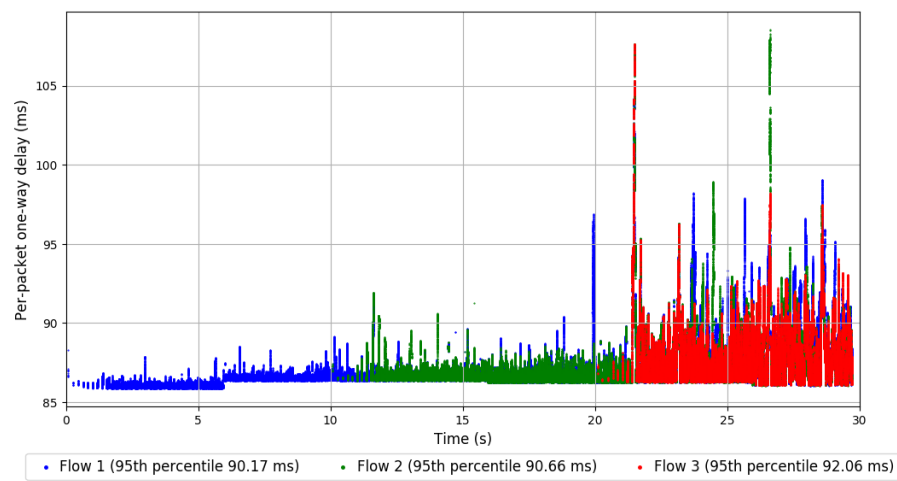
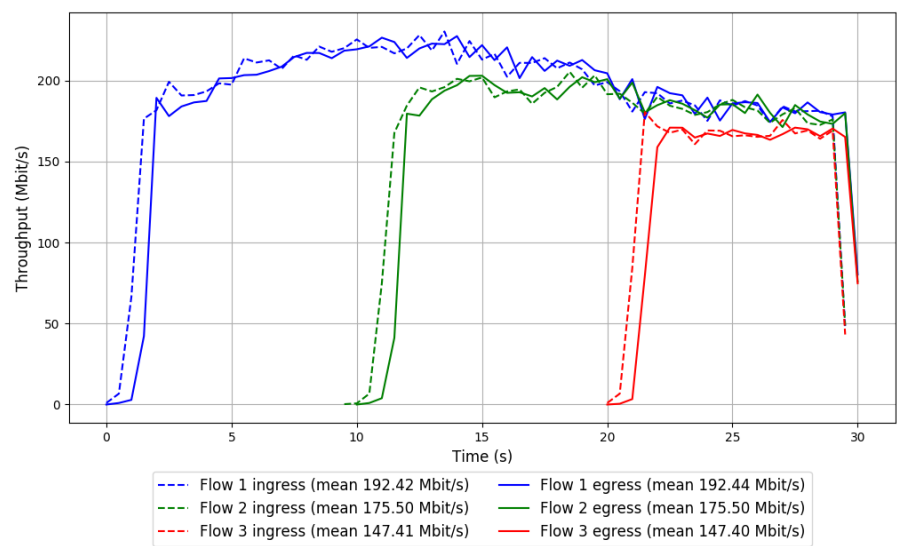
-- Flow 3:

Average throughput: 147.40 Mbit/s

95th percentile per-packet one-way delay: 92.059 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link

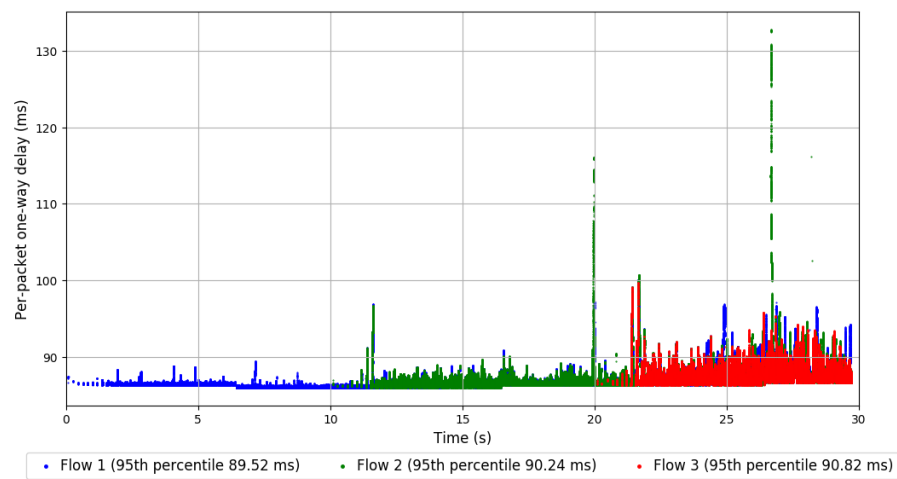
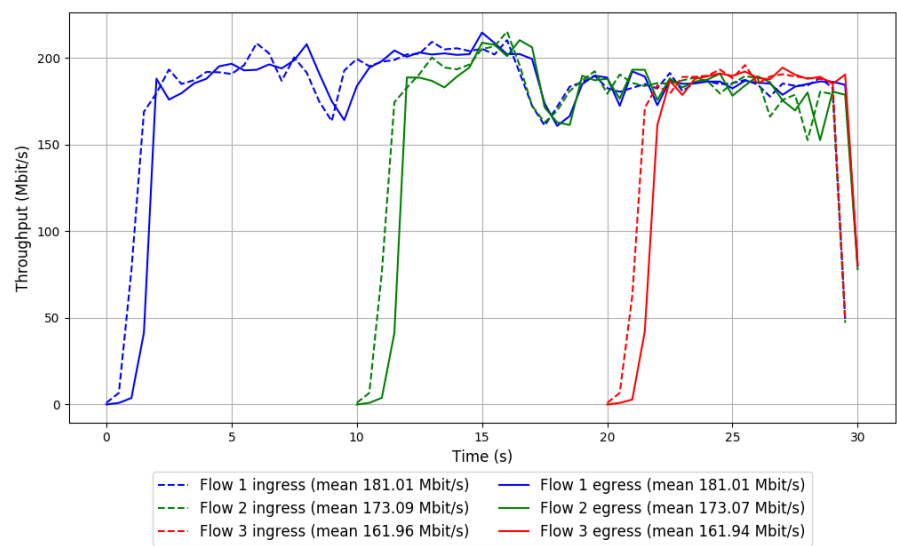


Run 5: Statistics of Indigo

Start at: 2018-07-24 14:04:22
End at: 2018-07-24 14:04:52
Local clock offset: 0.008 ms
Remote clock offset: -0.006 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 348.19 Mbit/s
95th percentile per-packet one-way delay: 90.043 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 181.01 Mbit/s
95th percentile per-packet one-way delay: 89.523 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.07 Mbit/s
95th percentile per-packet one-way delay: 90.239 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 161.94 Mbit/s
95th percentile per-packet one-way delay: 90.818 ms
Loss rate: 0.02%

Run 5: Report of Indigo — Data Link

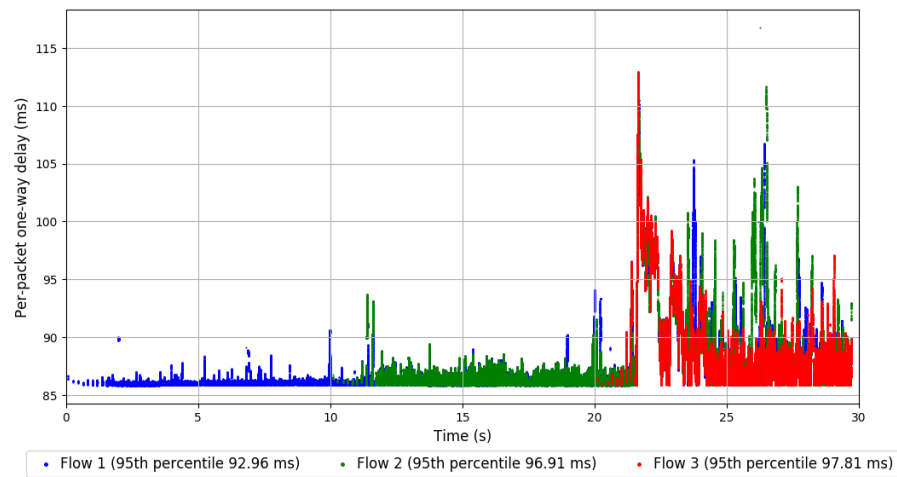
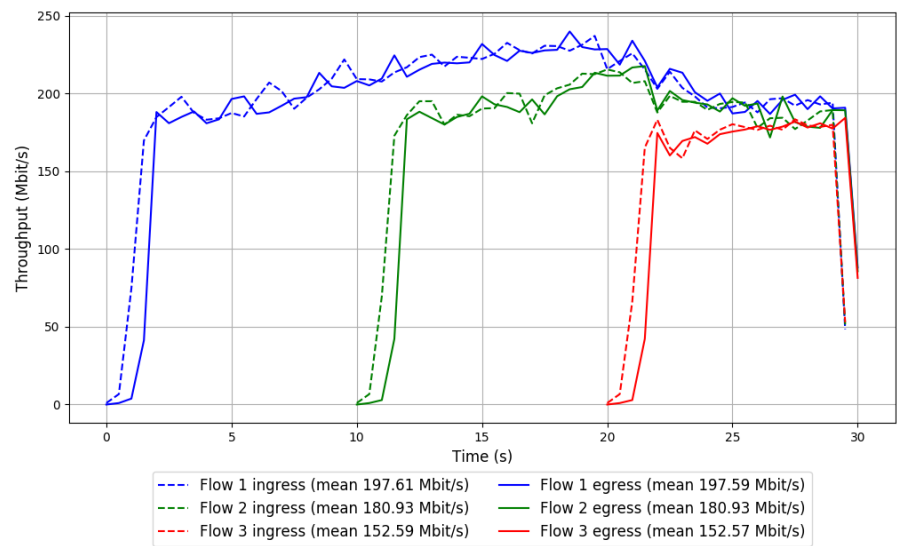


Run 6: Statistics of Indigo

Start at: 2018-07-24 14:34:15
End at: 2018-07-24 14:34:45
Local clock offset: -0.062 ms
Remote clock offset: -0.021 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 366.93 Mbit/s
95th percentile per-packet one-way delay: 95.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.59 Mbit/s
95th percentile per-packet one-way delay: 92.959 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 180.93 Mbit/s
95th percentile per-packet one-way delay: 96.909 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.57 Mbit/s
95th percentile per-packet one-way delay: 97.808 ms
Loss rate: 0.01%

Run 6: Report of Indigo — Data Link

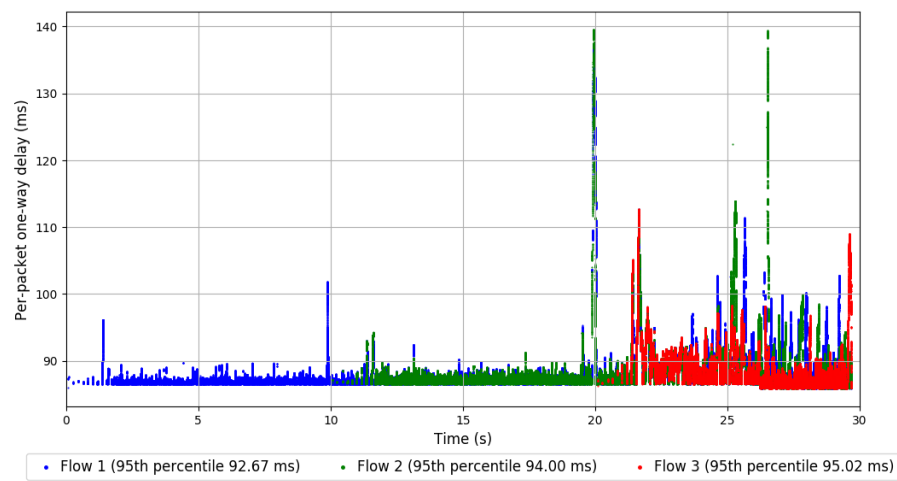
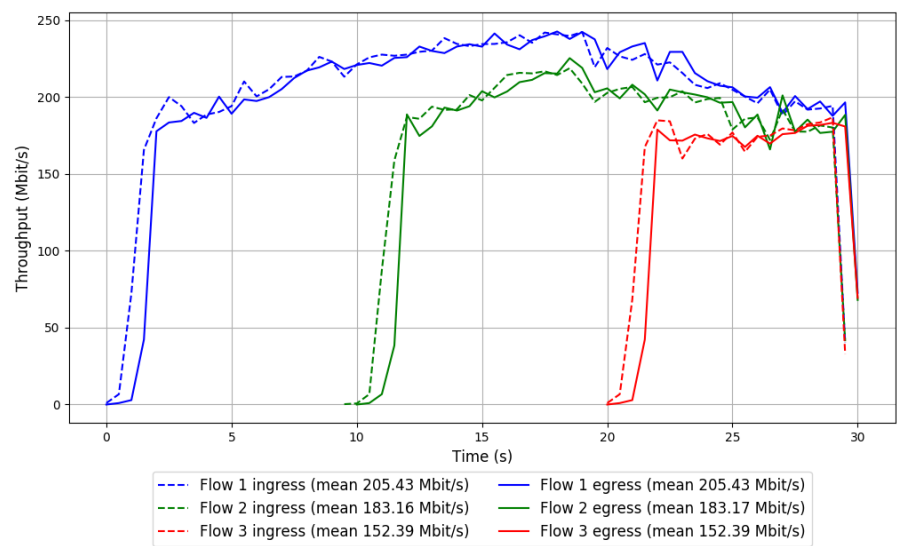


Run 7: Statistics of Indigo

Start at: 2018-07-24 15:05:03
End at: 2018-07-24 15:05:33
Local clock offset: 0.109 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 376.26 Mbit/s
95th percentile per-packet one-way delay: 93.719 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.43 Mbit/s
95th percentile per-packet one-way delay: 92.666 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 183.17 Mbit/s
95th percentile per-packet one-way delay: 94.002 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 152.39 Mbit/s
95th percentile per-packet one-way delay: 95.015 ms
Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

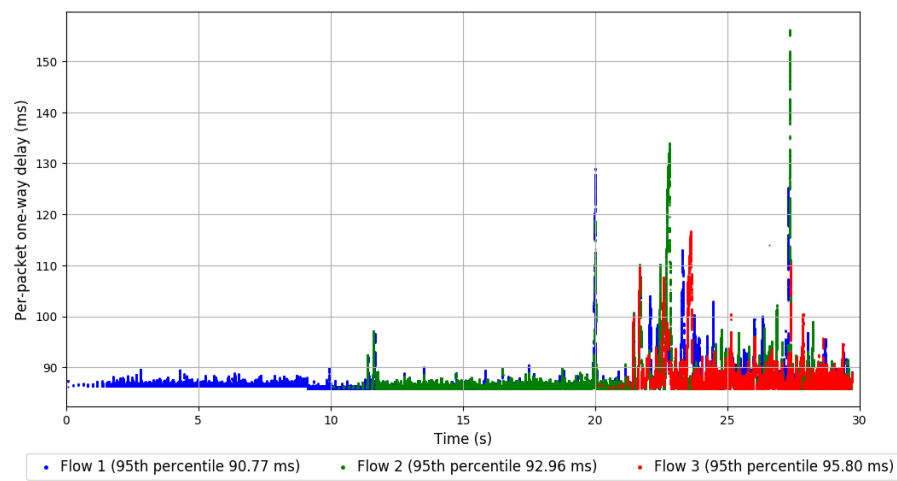
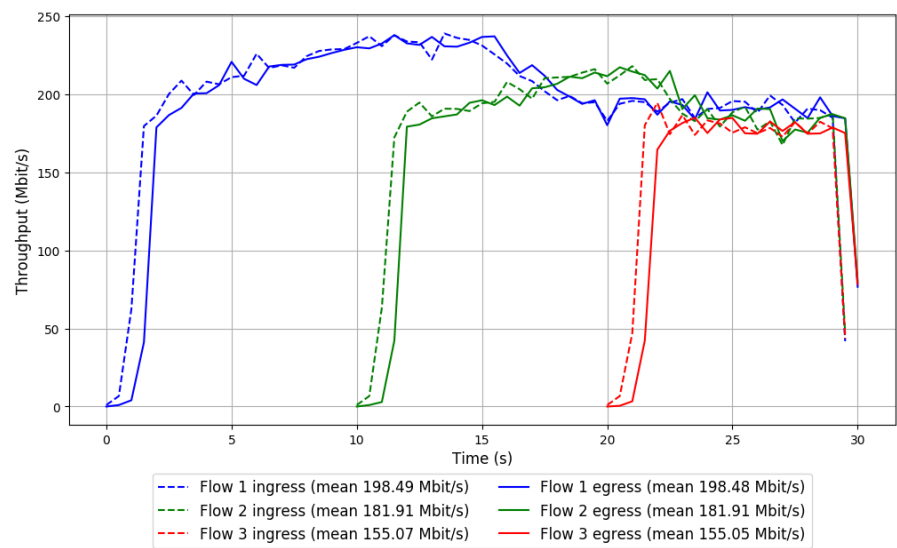


Run 8: Statistics of Indigo

Start at: 2018-07-24 15:34:10
End at: 2018-07-24 15:34:40
Local clock offset: -0.002 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 368.92 Mbit/s
95th percentile per-packet one-way delay: 92.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.48 Mbit/s
95th percentile per-packet one-way delay: 90.770 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.91 Mbit/s
95th percentile per-packet one-way delay: 92.956 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 155.05 Mbit/s
95th percentile per-packet one-way delay: 95.803 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

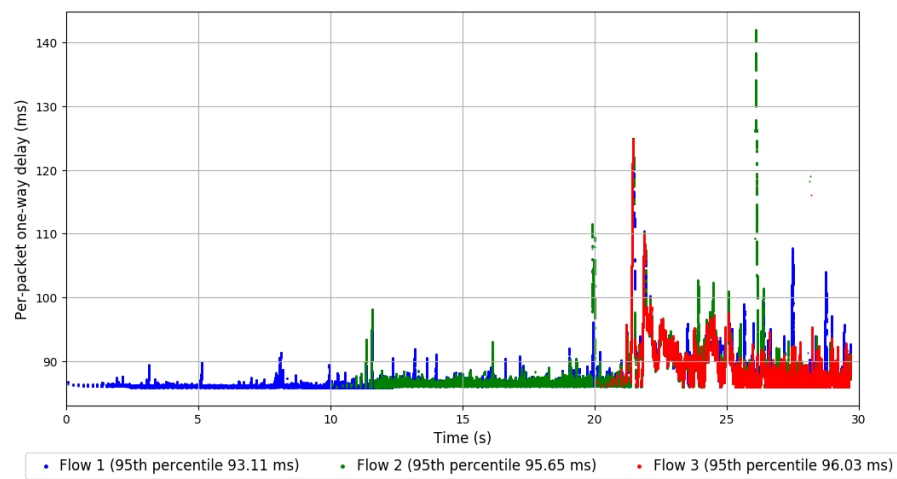
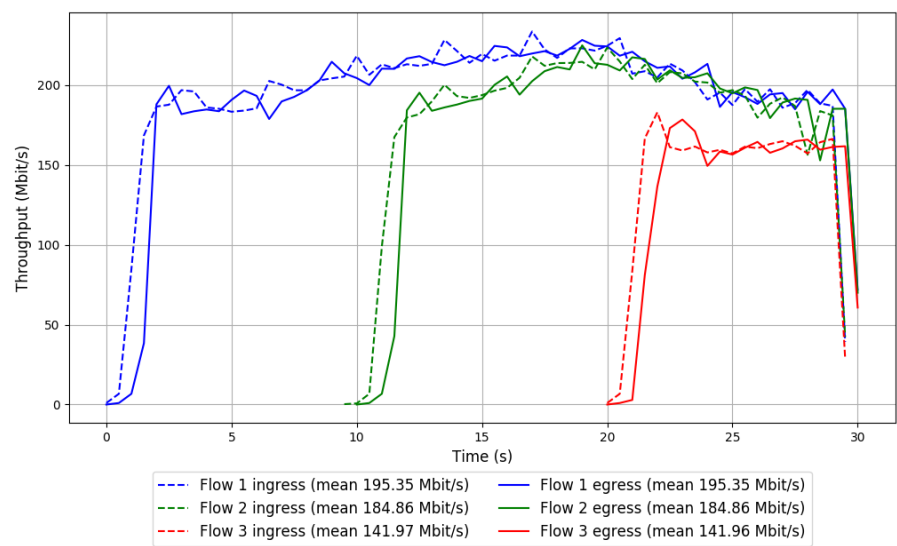


Run 9: Statistics of Indigo

Start at: 2018-07-24 16:01:56
End at: 2018-07-24 16:02:26
Local clock offset: -0.052 ms
Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.93 Mbit/s
95th percentile per-packet one-way delay: 94.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 195.35 Mbit/s
95th percentile per-packet one-way delay: 93.109 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 184.86 Mbit/s
95th percentile per-packet one-way delay: 95.651 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 141.96 Mbit/s
95th percentile per-packet one-way delay: 96.028 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

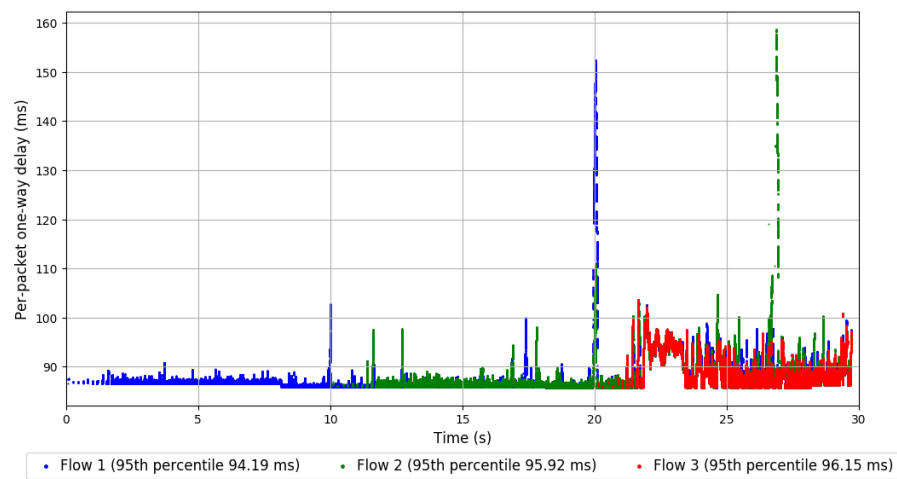
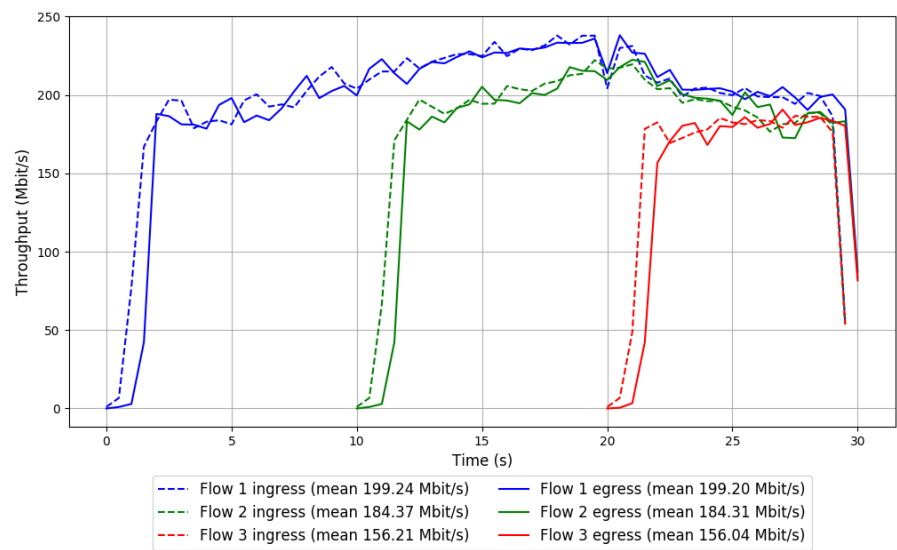


Run 10: Statistics of Indigo

Start at: 2018-07-24 16:30:31
End at: 2018-07-24 16:31:01
Local clock offset: -0.033 ms
Remote clock offset: -0.099 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 371.73 Mbit/s
95th percentile per-packet one-way delay: 95.158 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 199.20 Mbit/s
95th percentile per-packet one-way delay: 94.187 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 95.919 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 156.04 Mbit/s
95th percentile per-packet one-way delay: 96.154 ms
Loss rate: 0.09%

Run 10: Report of Indigo — Data Link

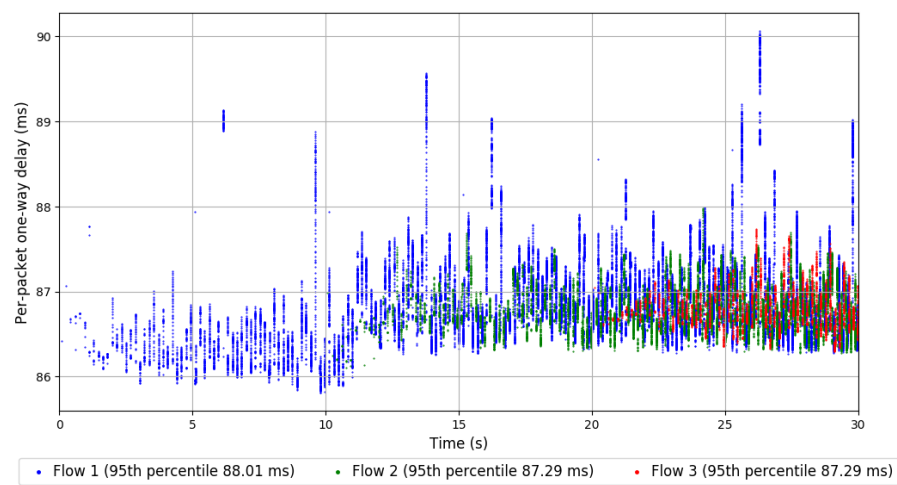
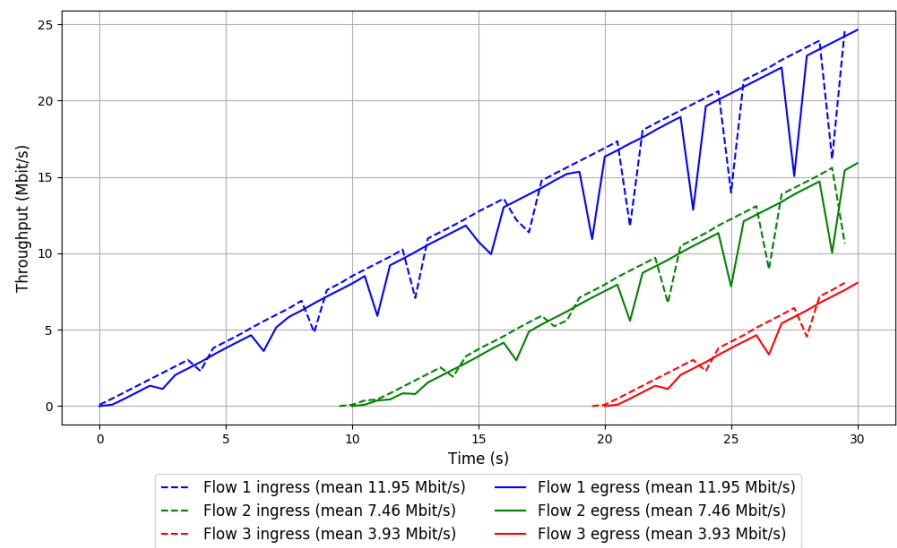


```
Run 1: Statistics of LEDBAT

Start at: 2018-07-24 12:11:28
End at: 2018-07-24 12:11:58
Local clock offset: 0.057 ms
Remote clock offset: -0.326 ms

# Below is generated by plot.py at 2018-07-24 18:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 18.19 Mbit/s
95th percentile per-packet one-way delay: 87.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.95 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.46 Mbit/s
95th percentile per-packet one-way delay: 87.288 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.292 ms
Loss rate: 0.00%
```


Run 1: Report of LEDBAT — Data Link

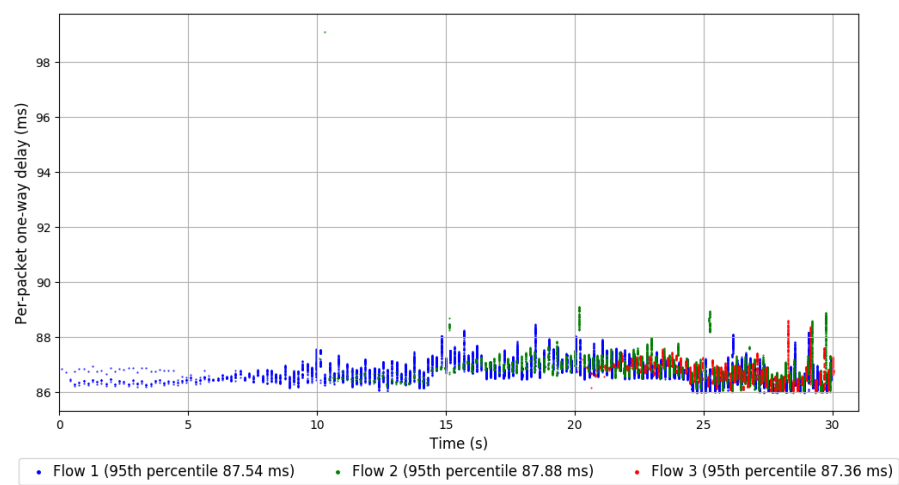
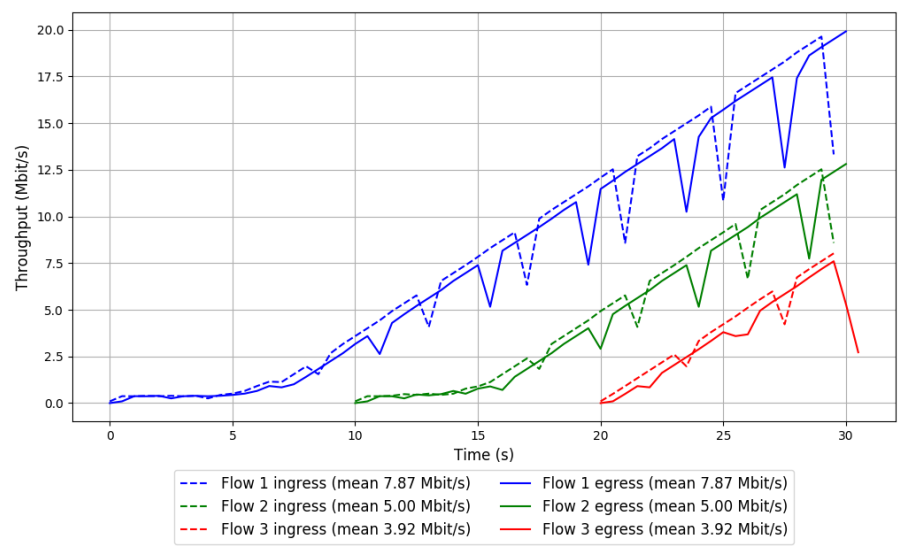


Run 2: Statistics of LEDBAT

Start at: 2018-07-24 12:39:45
End at: 2018-07-24 12:40:15
Local clock offset: -0.063 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.46 Mbit/s
95th percentile per-packet one-way delay: 87.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 87.537 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 87.876 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 87.363 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-07-24 13:06:06

End at: 2018-07-24 13:06:36

Local clock offset: -0.008 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 87.394 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.311 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 87.689 ms

Loss rate: 0.00%

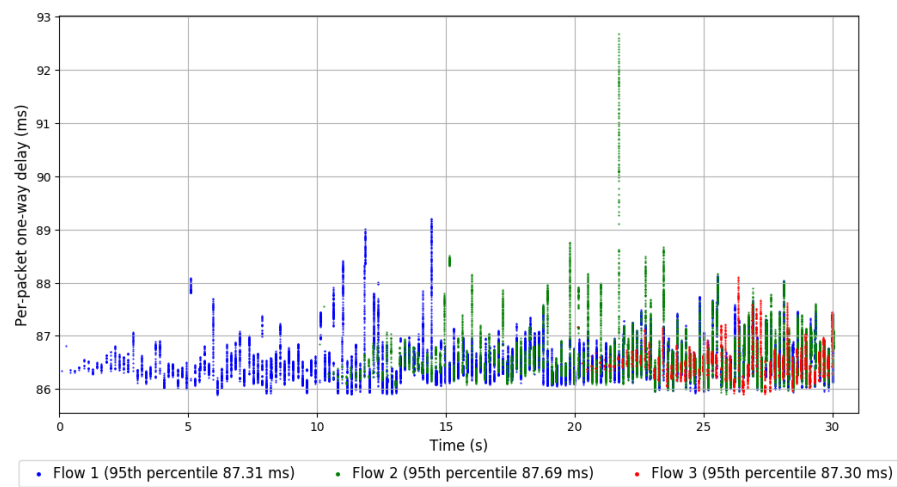
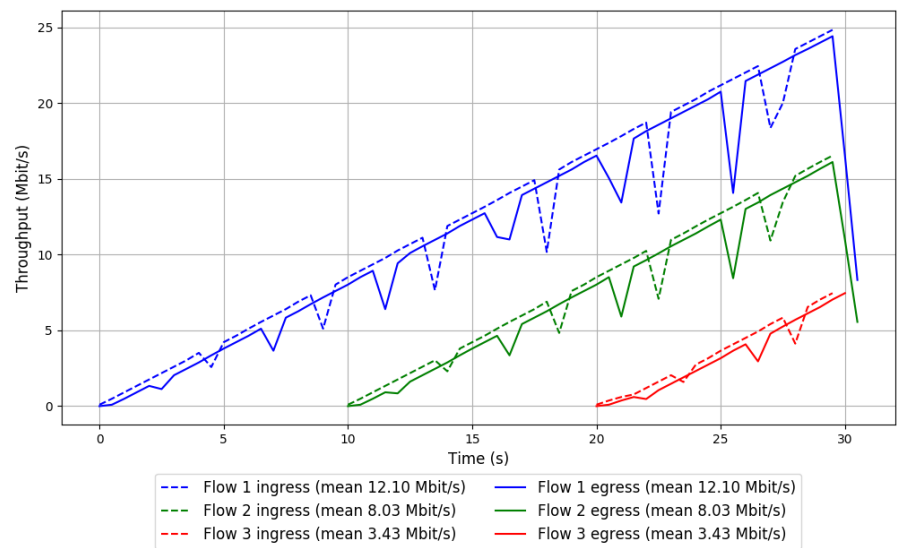
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 87.301 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-07-24 13:32:07

End at: 2018-07-24 13:32:37

Local clock offset: -0.124 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-24 18:55:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 87.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 87.773 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 87.364 ms

Loss rate: 0.00%

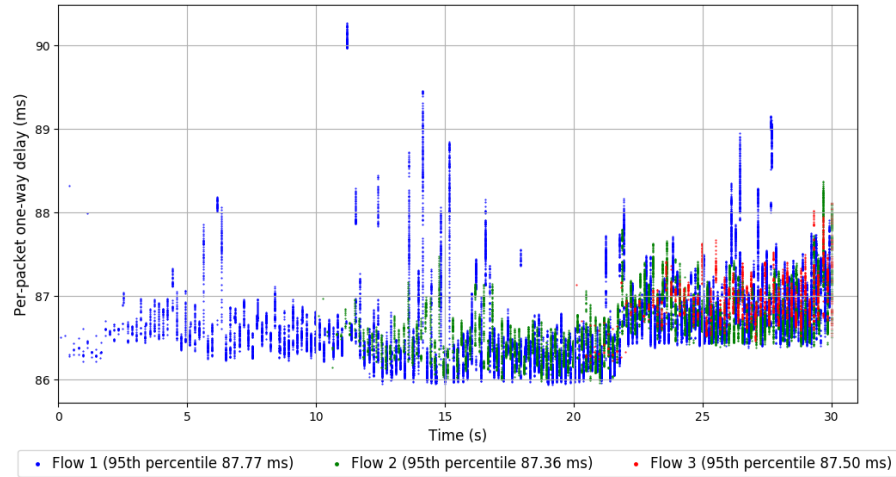
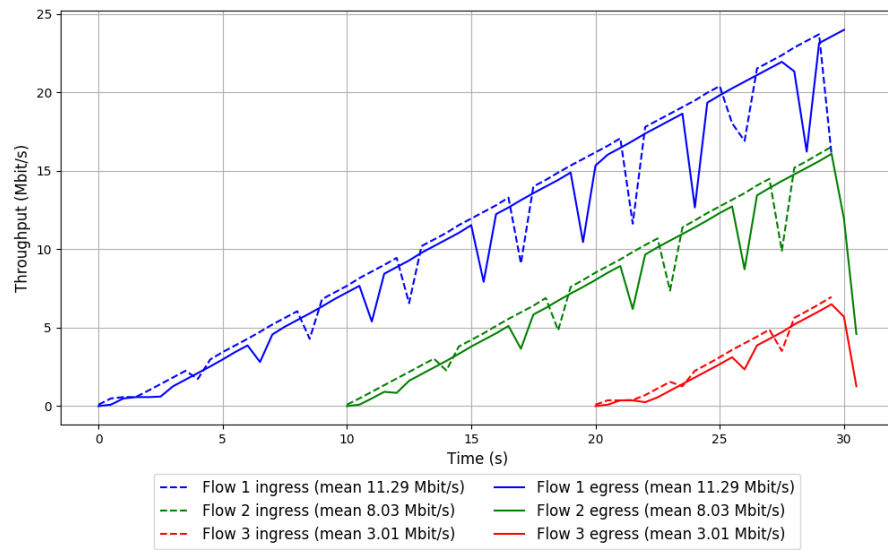
-- Flow 3:

Average throughput: 3.01 Mbit/s

95th percentile per-packet one-way delay: 87.497 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

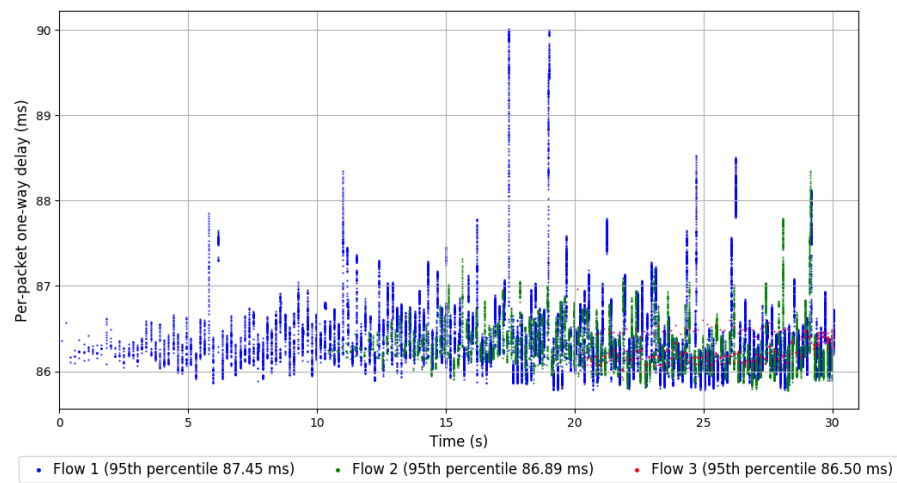
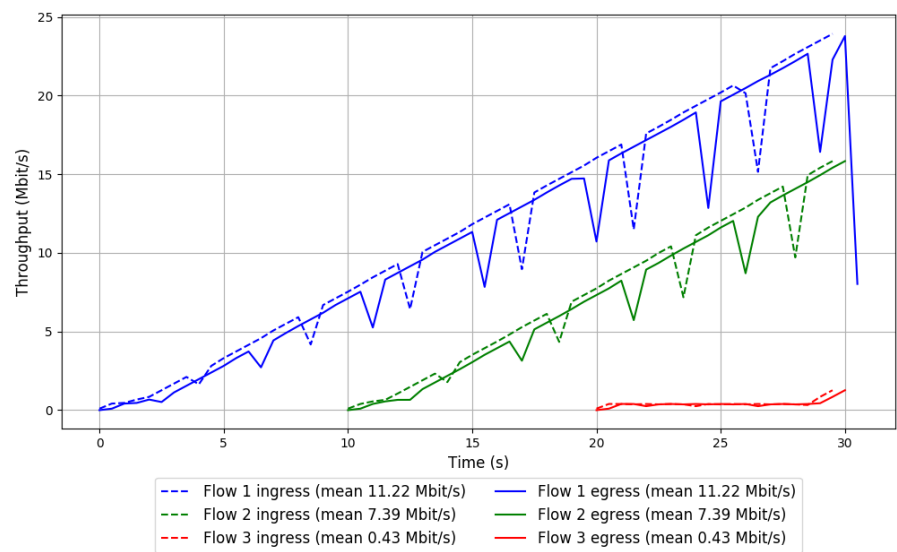


Run 5: Statistics of LEDBAT

Start at: 2018-07-24 13:58:11
End at: 2018-07-24 13:58:41
Local clock offset: 0.035 ms
Remote clock offset: -0.037 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 87.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 87.453 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 86.886 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 86.495 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link

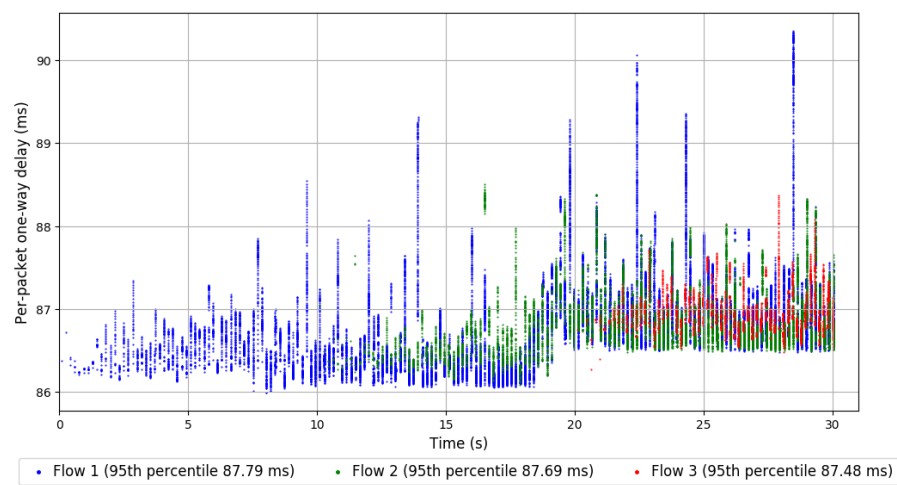
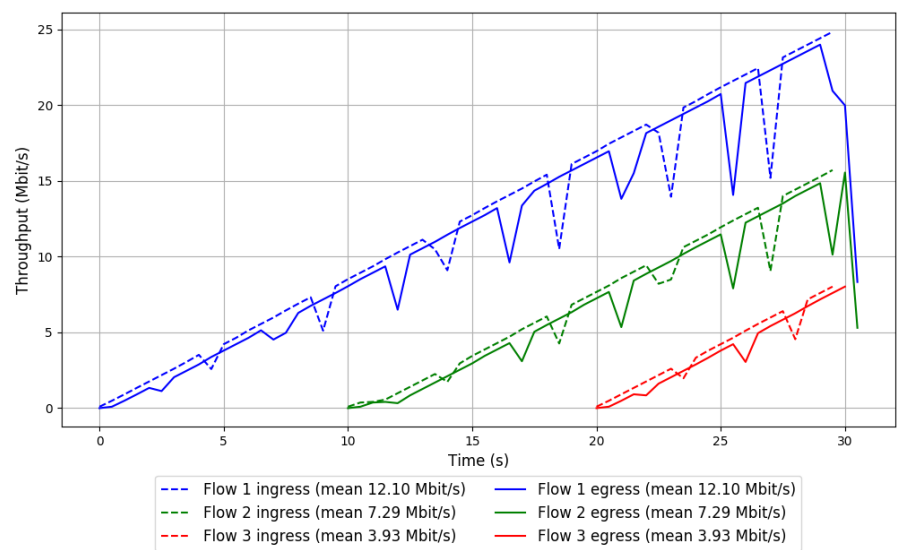


Run 6: Statistics of LEDBAT

Start at: 2018-07-24 14:27:50
End at: 2018-07-24 14:28:20
Local clock offset: -0.237 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 87.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 87.787 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.29 Mbit/s
95th percentile per-packet one-way delay: 87.691 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link

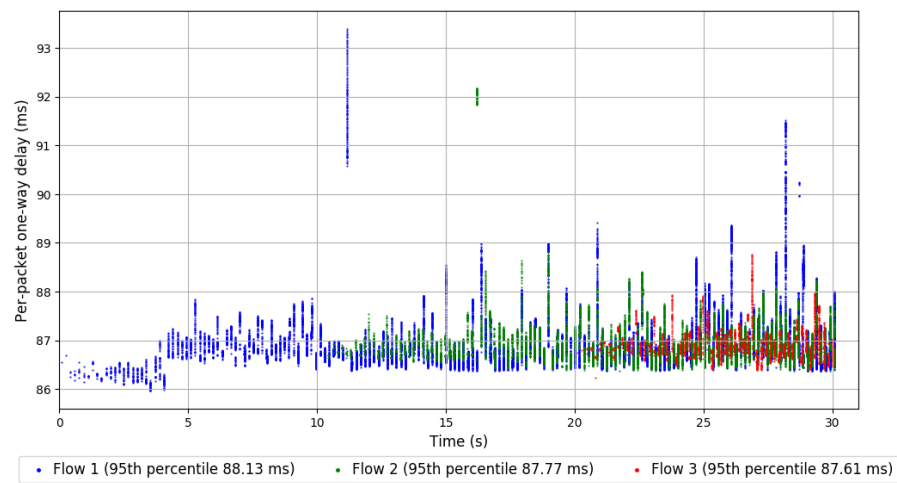
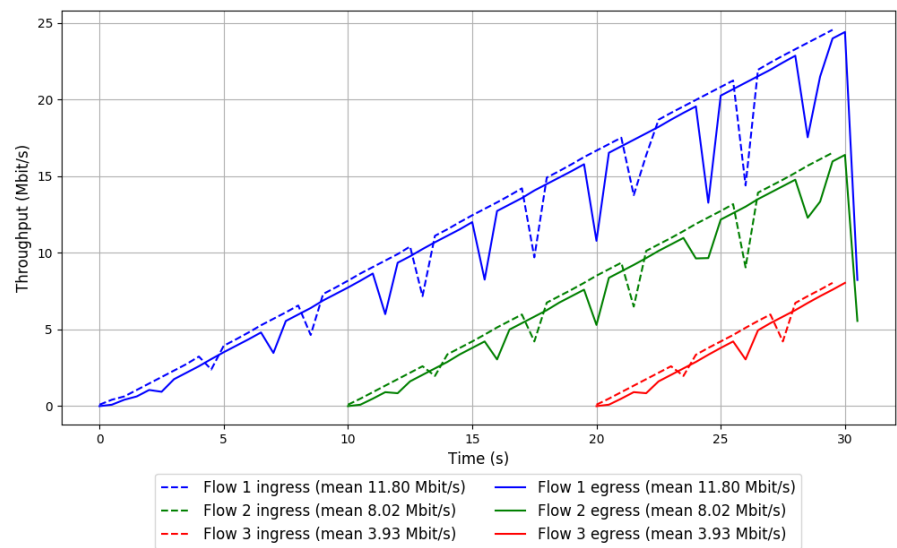


Run 7: Statistics of LEDBAT

Start at: 2018-07-24 14:58:25
End at: 2018-07-24 14:58:55
Local clock offset: 0.019 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 87.953 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.80 Mbit/s
95th percentile per-packet one-way delay: 88.130 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 87.768 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 87.606 ms
Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link

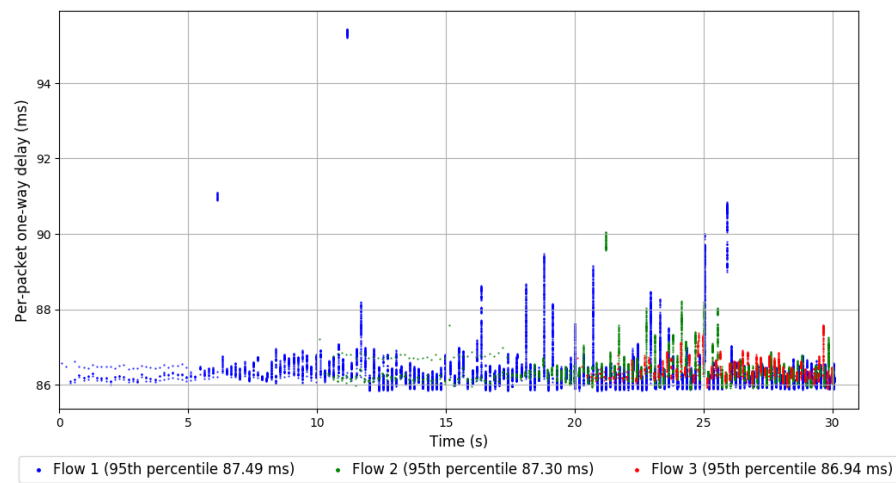
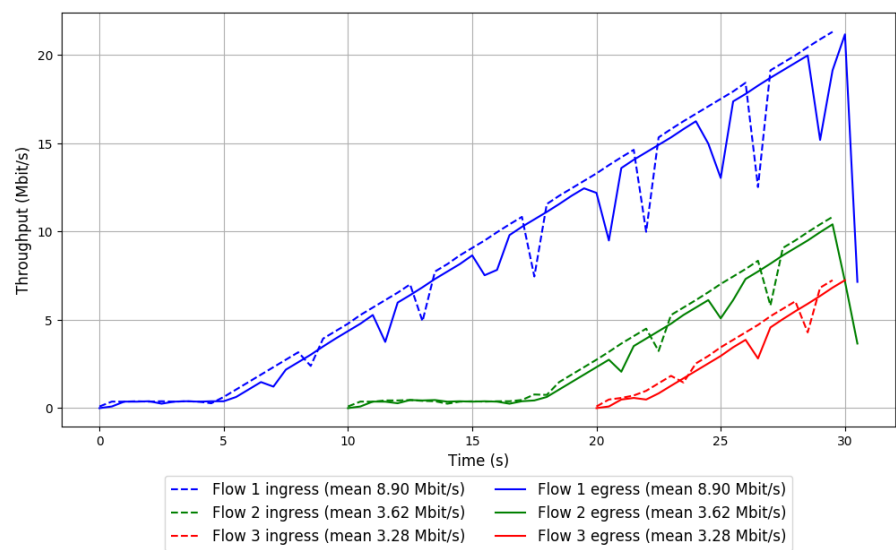


Run 8: Statistics of LEDBAT

Start at: 2018-07-24 15:28:06
End at: 2018-07-24 15:28:36
Local clock offset: 0.009 ms
Remote clock offset: -0.009 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 87.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 87.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 87.296 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 86.935 ms
Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

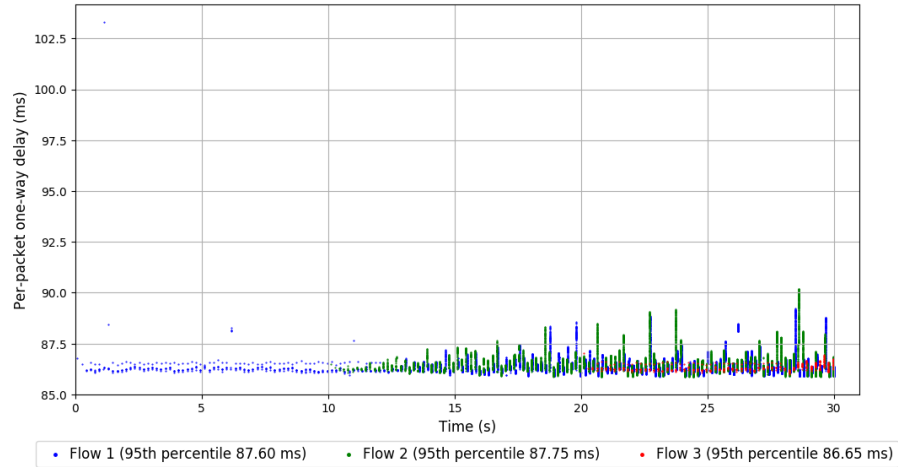
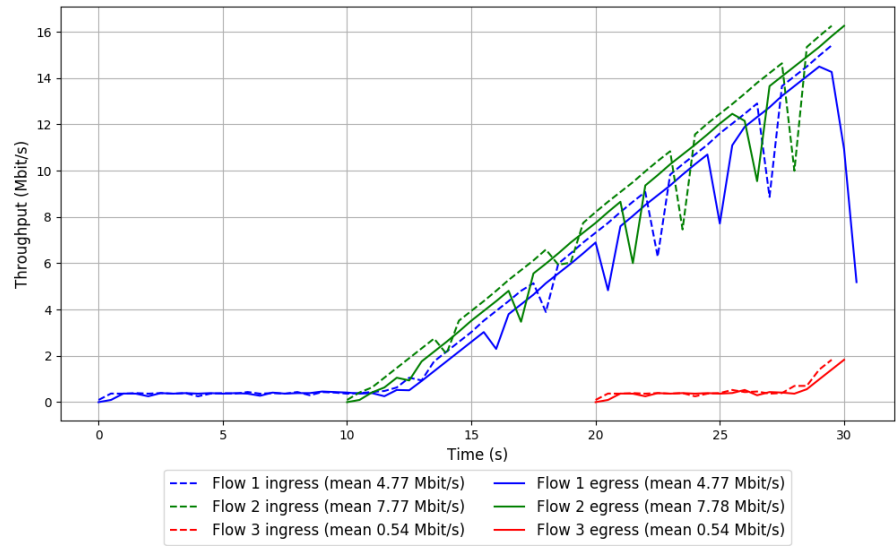


Run 9: Statistics of LEDBAT

Start at: 2018-07-24 15:55:11
End at: 2018-07-24 15:55:41
Local clock offset: 0.018 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.11 Mbit/s
95th percentile per-packet one-way delay: 87.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 87.598 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.78 Mbit/s
95th percentile per-packet one-way delay: 87.752 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 86.649 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

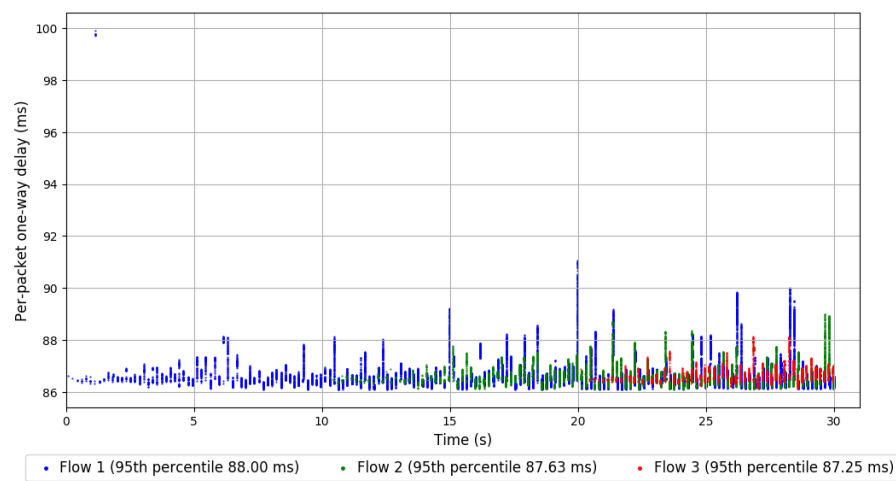
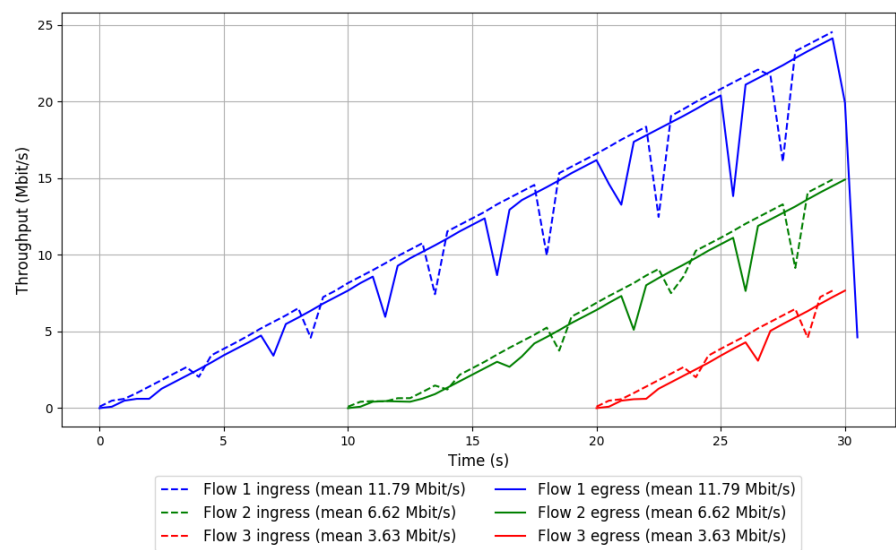


Run 10: Statistics of LEDBAT

Start at: 2018-07-24 16:24:35
End at: 2018-07-24 16:25:05
Local clock offset: -0.24 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-24 18:55:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 87.877 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 88.005 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 6.62 Mbit/s
95th percentile per-packet one-way delay: 87.632 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.63 Mbit/s
95th percentile per-packet one-way delay: 87.245 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link

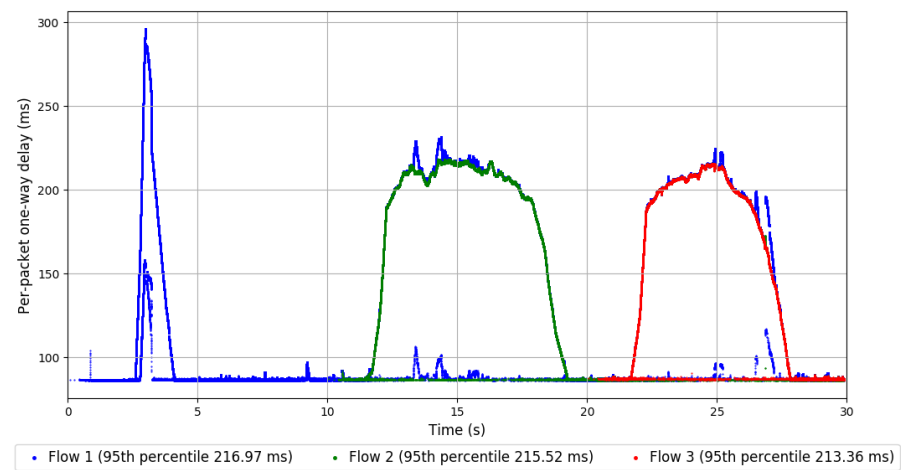
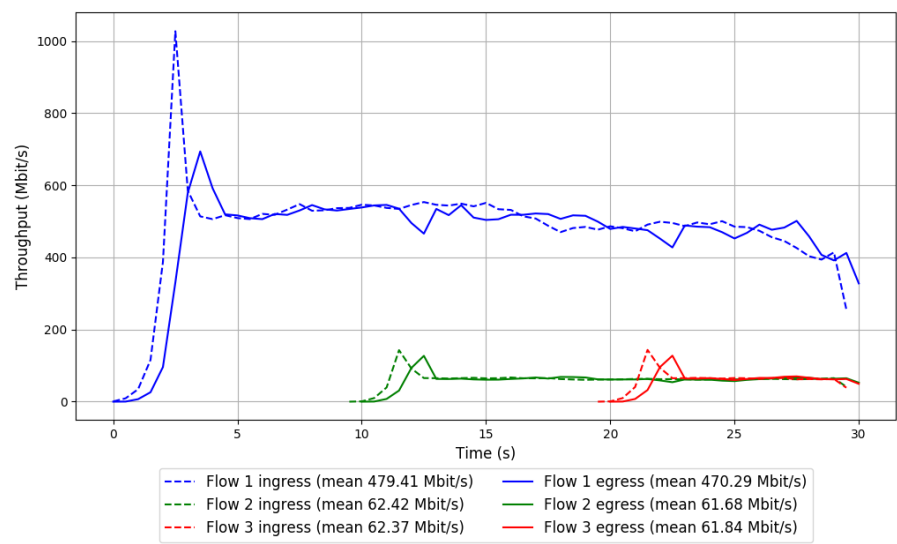


Run 1: Statistics of PCC-Allegro

Start at: 2018-07-24 11:53:08
End at: 2018-07-24 11:53:38
Local clock offset: -0.139 ms
Remote clock offset: -0.278 ms

Below is generated by plot.py at 2018-07-24 18:58:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 531.71 Mbit/s
95th percentile per-packet one-way delay: 216.656 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 470.29 Mbit/s
95th percentile per-packet one-way delay: 216.973 ms
Loss rate: 1.90%
-- Flow 2:
Average throughput: 61.68 Mbit/s
95th percentile per-packet one-way delay: 215.517 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 61.84 Mbit/s
95th percentile per-packet one-way delay: 213.357 ms
Loss rate: 0.85%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-24 12:21:51

End at: 2018-07-24 12:22:21

Local clock offset: -0.069 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-07-24 18:58:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 523.48 Mbit/s

95th percentile per-packet one-way delay: 289.795 ms

Loss rate: 3.66%

-- Flow 1:

Average throughput: 444.74 Mbit/s

95th percentile per-packet one-way delay: 302.882 ms

Loss rate: 3.77%

-- Flow 2:

Average throughput: 63.50 Mbit/s

95th percentile per-packet one-way delay: 206.411 ms

Loss rate: 1.51%

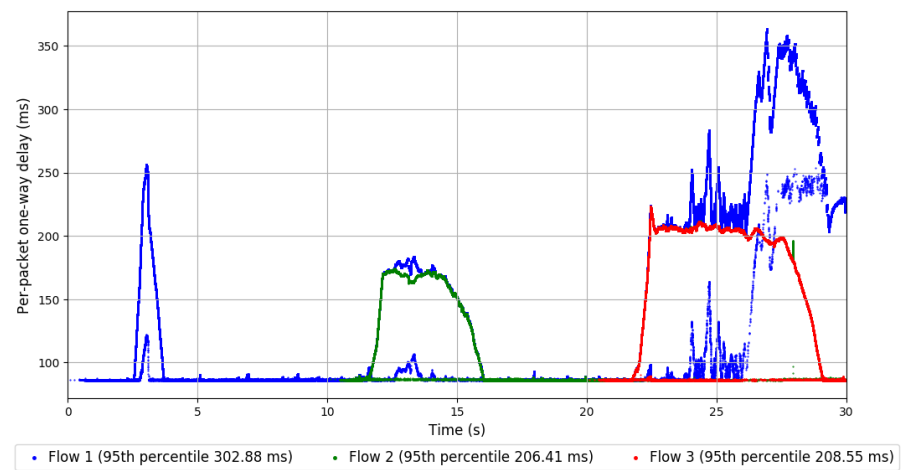
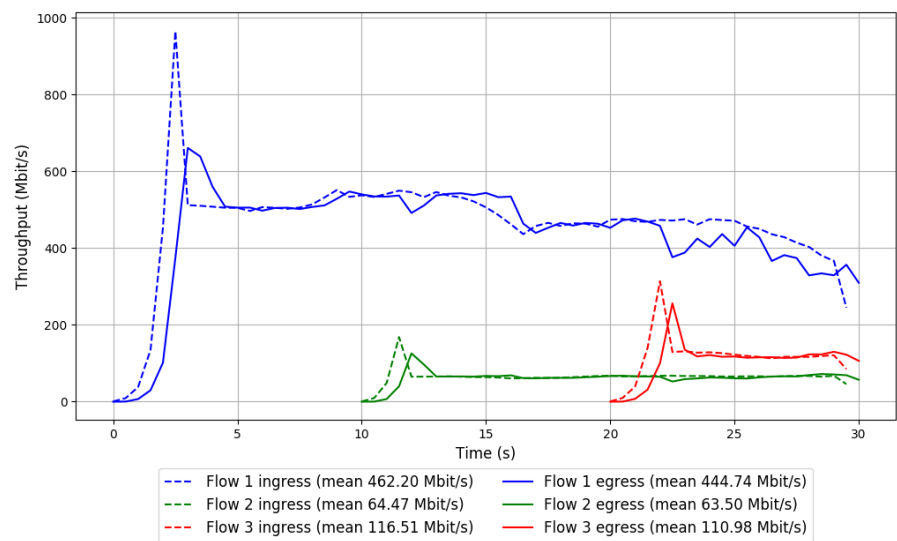
-- Flow 3:

Average throughput: 110.98 Mbit/s

95th percentile per-packet one-way delay: 208.549 ms

Loss rate: 4.75%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-24 12:49:36

End at: 2018-07-24 12:50:06

Local clock offset: -0.121 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-07-24 18:59:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 527.80 Mbit/s

95th percentile per-packet one-way delay: 209.421 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 484.69 Mbit/s

95th percentile per-packet one-way delay: 210.297 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 33.74 Mbit/s

95th percentile per-packet one-way delay: 207.674 ms

Loss rate: 0.24%

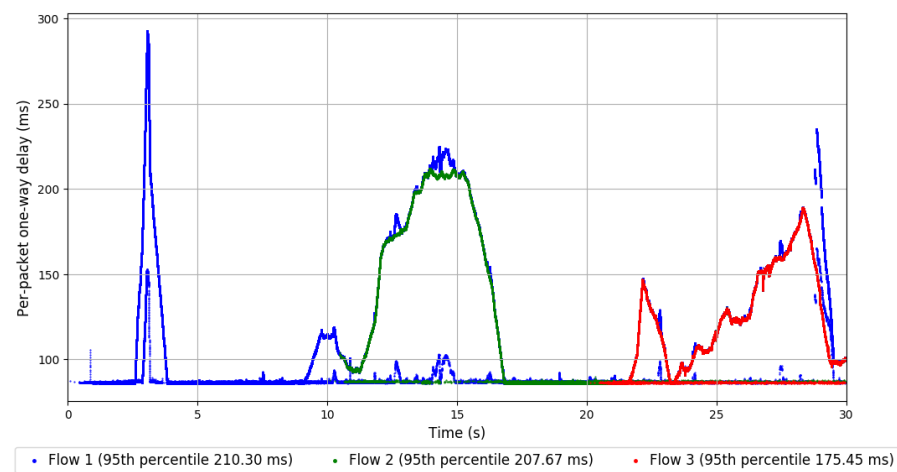
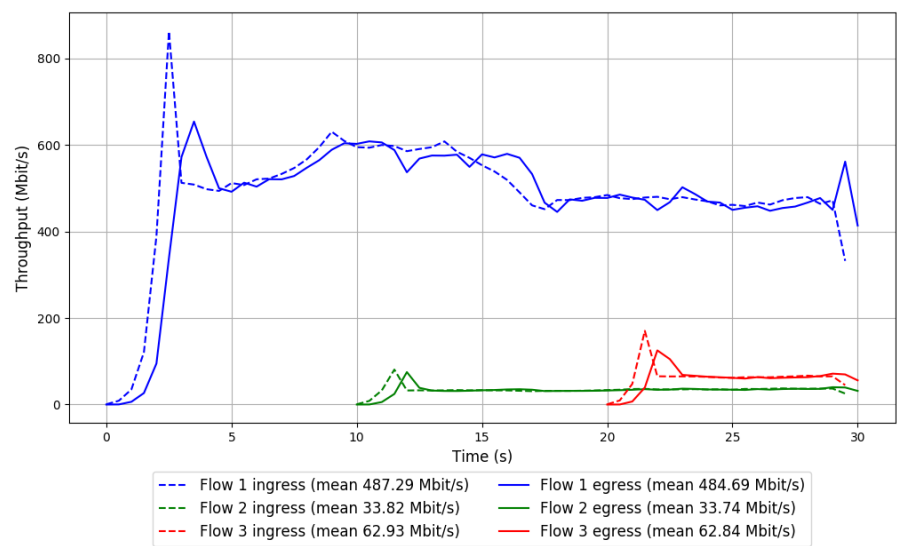
-- Flow 3:

Average throughput: 62.84 Mbit/s

95th percentile per-packet one-way delay: 175.447 ms

Loss rate: 0.13%

Run 3: Report of PCC-Allegro — Data Link

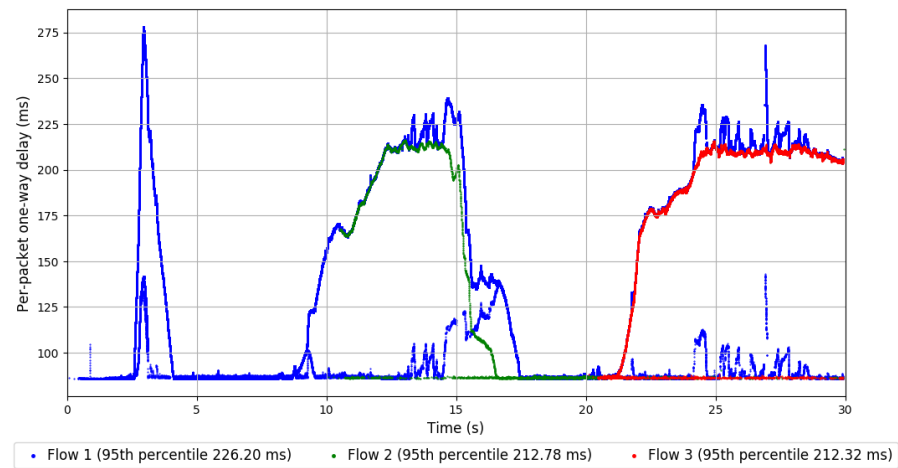
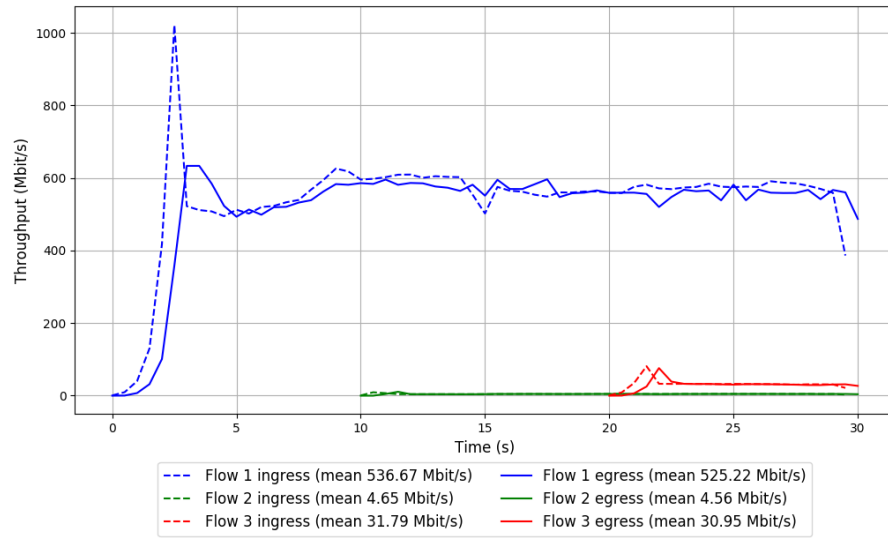


Run 4: Statistics of PCC-Allegro

Start at: 2018-07-24 13:15:37
End at: 2018-07-24 13:16:07
Local clock offset: -0.054 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 19:01:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 538.30 Mbit/s
95th percentile per-packet one-way delay: 226.105 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 525.22 Mbit/s
95th percentile per-packet one-way delay: 226.203 ms
Loss rate: 2.13%
-- Flow 2:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 212.780 ms
Loss rate: 1.77%
-- Flow 3:
Average throughput: 30.95 Mbit/s
95th percentile per-packet one-way delay: 212.325 ms
Loss rate: 2.63%

Run 4: Report of PCC-Allegro — Data Link

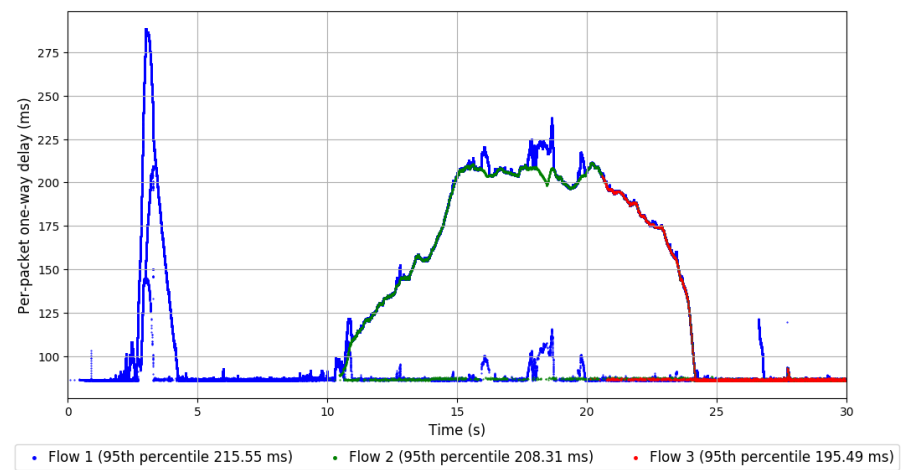
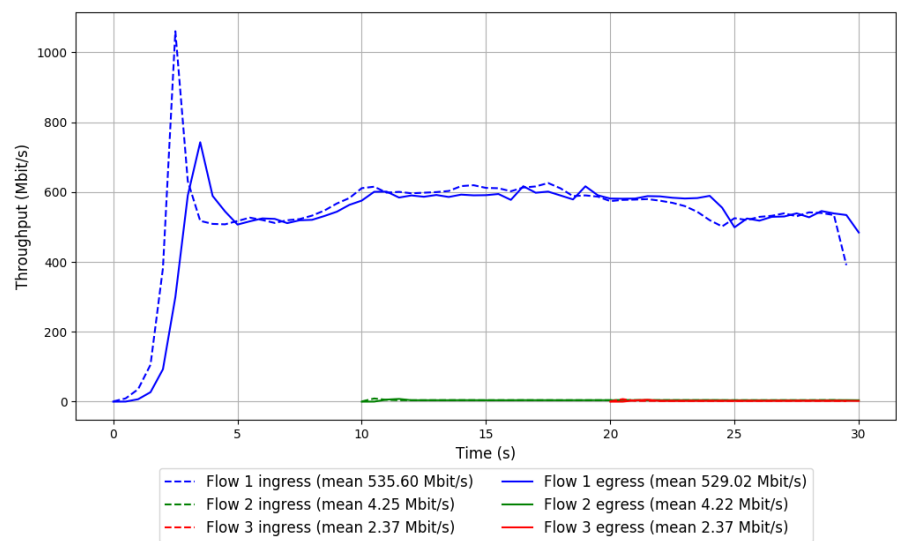


Run 5: Statistics of PCC-Allegro

Start at: 2018-07-24 13:41:45
End at: 2018-07-24 13:42:15
Local clock offset: -0.106 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 19:04:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.61 Mbit/s
95th percentile per-packet one-way delay: 215.426 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 529.02 Mbit/s
95th percentile per-packet one-way delay: 215.554 ms
Loss rate: 1.23%
-- Flow 2:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 208.308 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 195.485 ms
Loss rate: 0.00%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-07-24 14:08:35

End at: 2018-07-24 14:09:05

Local clock offset: -0.209 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-07-24 19:06:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 529.67 Mbit/s

95th percentile per-packet one-way delay: 212.821 ms

Loss rate: 1.25%

-- Flow 1:

Average throughput: 482.38 Mbit/s

95th percentile per-packet one-way delay: 213.065 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 69.00 Mbit/s

95th percentile per-packet one-way delay: 210.738 ms

Loss rate: 0.66%

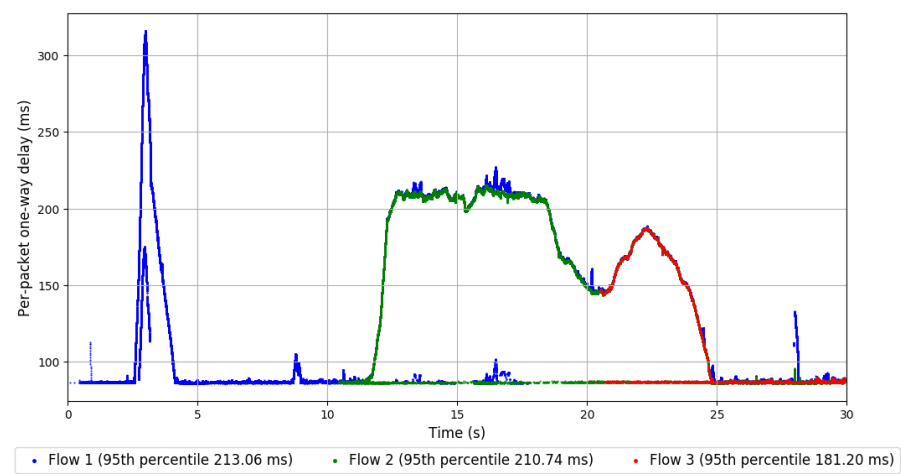
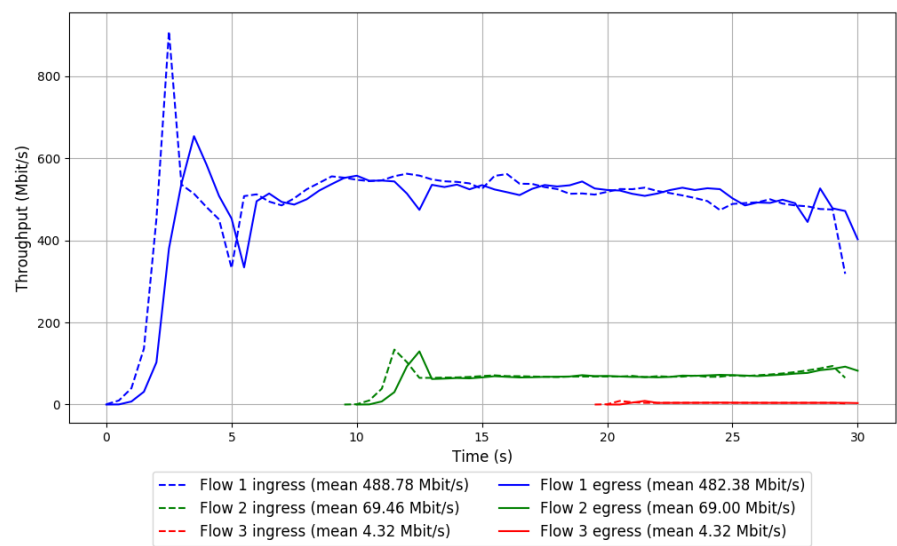
-- Flow 3:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 181.199 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

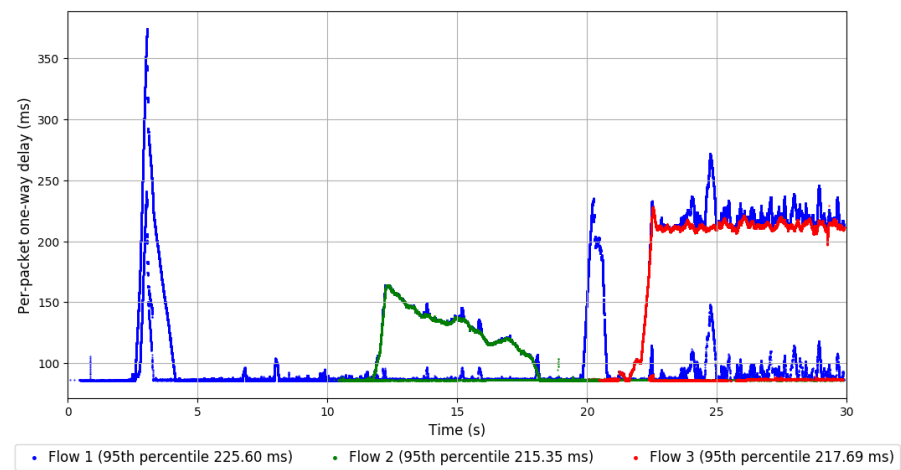
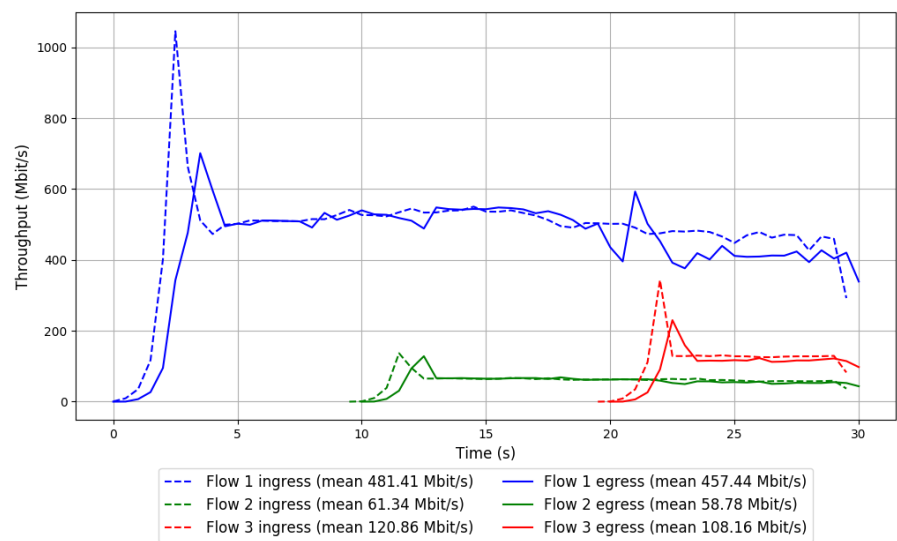


Run 7: Statistics of PCC-Allegro

Start at: 2018-07-24 14:39:13
End at: 2018-07-24 14:39:43
Local clock offset: -0.077 ms
Remote clock offset: -0.027 ms

Below is generated by plot.py at 2018-07-24 19:06:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 532.19 Mbit/s
95th percentile per-packet one-way delay: 224.160 ms
Loss rate: 5.31%
-- Flow 1:
Average throughput: 457.44 Mbit/s
95th percentile per-packet one-way delay: 225.605 ms
Loss rate: 4.97%
-- Flow 2:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 215.354 ms
Loss rate: 4.18%
-- Flow 3:
Average throughput: 108.16 Mbit/s
95th percentile per-packet one-way delay: 217.691 ms
Loss rate: 10.50%

Run 7: Report of PCC-Allegro — Data Link

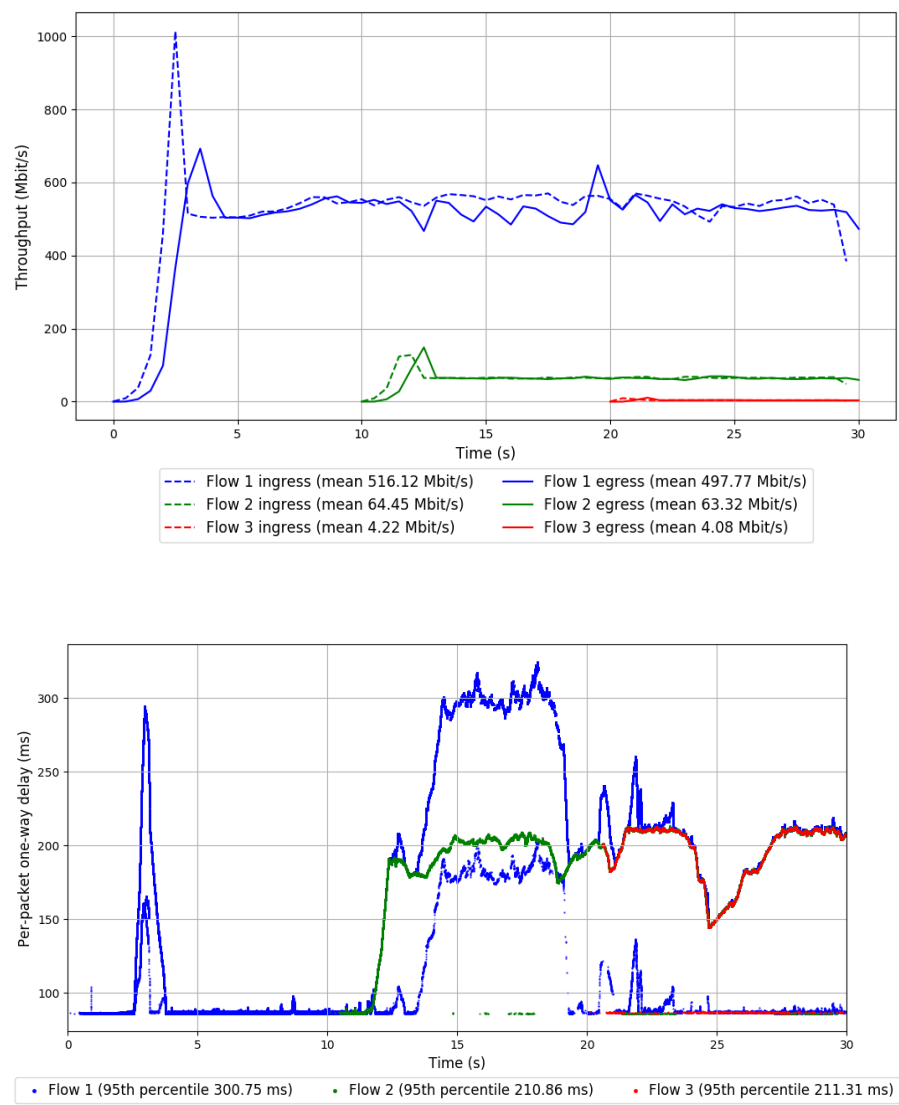


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-24 15:09:58
End at: 2018-07-24 15:10:28
Local clock offset: -0.067 ms
Remote clock offset: -0.063 ms

```
# Below is generated by plot.py at 2018-07-24 19:09:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 541.19 Mbit/s
95th percentile per-packet one-way delay: 300.162 ms
Loss rate: 3.42%
-- Flow 1:
Average throughput: 497.77 Mbit/s
95th percentile per-packet one-way delay: 300.745 ms
Loss rate: 3.55%
-- Flow 2:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 210.860 ms
Loss rate: 1.75%
-- Flow 3:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 211.311 ms
Loss rate: 3.41%
```

Run 8: Report of PCC-Allegro — Data Link

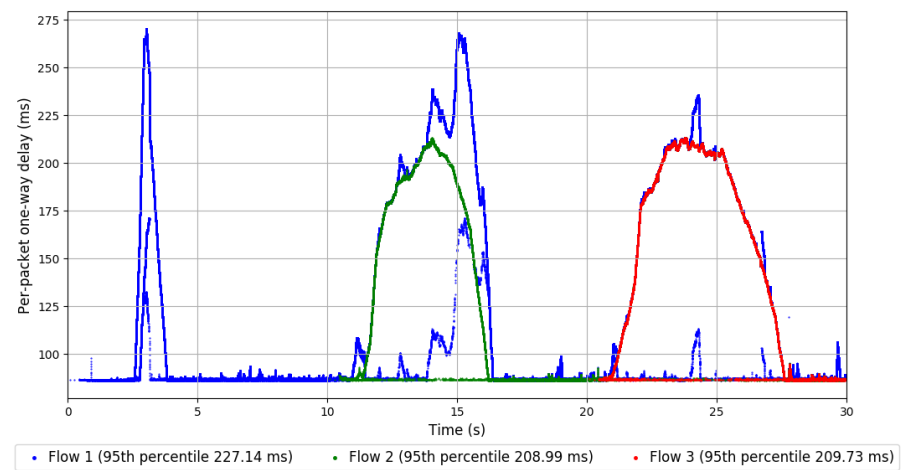
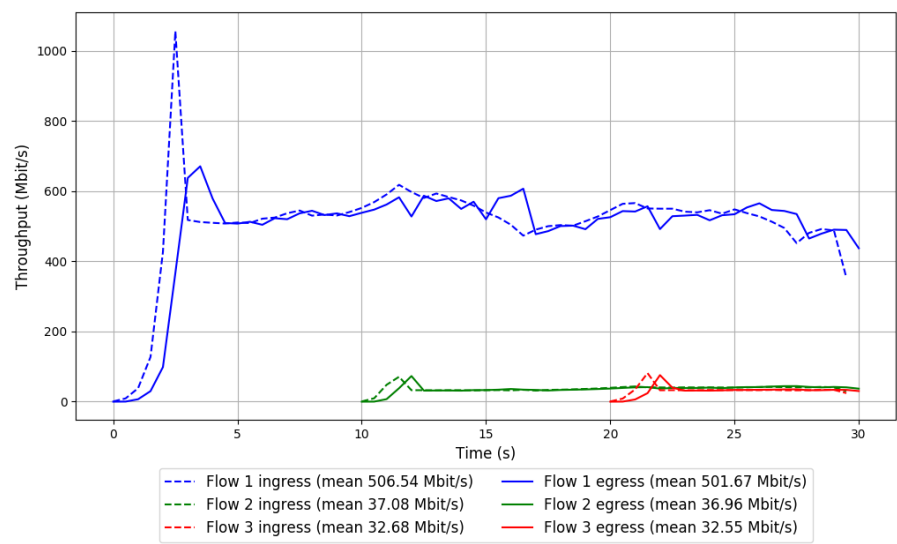


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-24 15:38:24
End at: 2018-07-24 15:38:54
Local clock offset: -0.133 ms
Remote clock offset: -0.005 ms

Below is generated by plot.py at 2018-07-24 19:11:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 536.94 Mbit/s
95th percentile per-packet one-way delay: 226.025 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 501.67 Mbit/s
95th percentile per-packet one-way delay: 227.142 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 36.96 Mbit/s
95th percentile per-packet one-way delay: 208.989 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 32.55 Mbit/s
95th percentile per-packet one-way delay: 209.733 ms
Loss rate: 0.44%

Run 9: Report of PCC-Allegro — Data Link

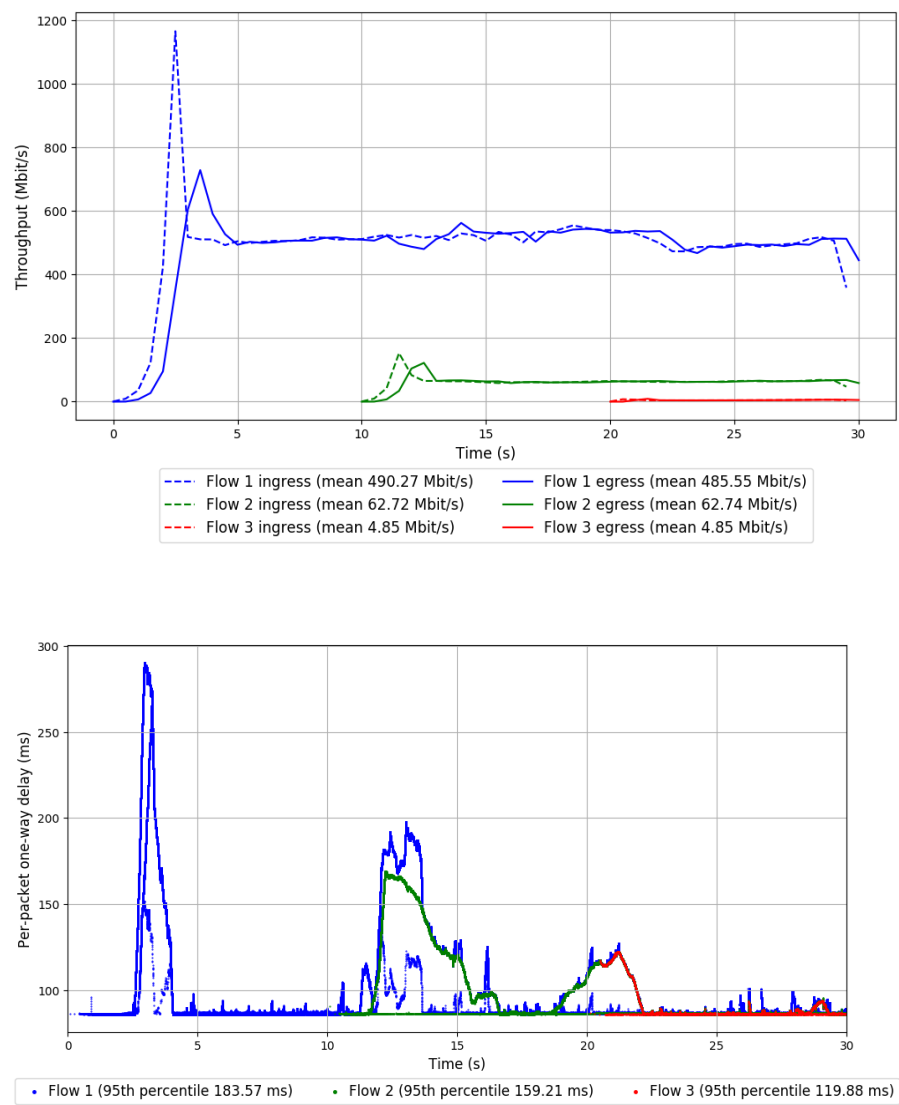


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-24 16:06:29
End at: 2018-07-24 16:06:59
Local clock offset: 0.117 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 19:11:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 528.84 Mbit/s
95th percentile per-packet one-way delay: 181.133 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 485.55 Mbit/s
95th percentile per-packet one-way delay: 183.567 ms
Loss rate: 0.96%
-- Flow 2:
Average throughput: 62.74 Mbit/s
95th percentile per-packet one-way delay: 159.205 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.85 Mbit/s
95th percentile per-packet one-way delay: 119.880 ms
Loss rate: 0.00%

Run 10: Report of PCC-Allegro — Data Link

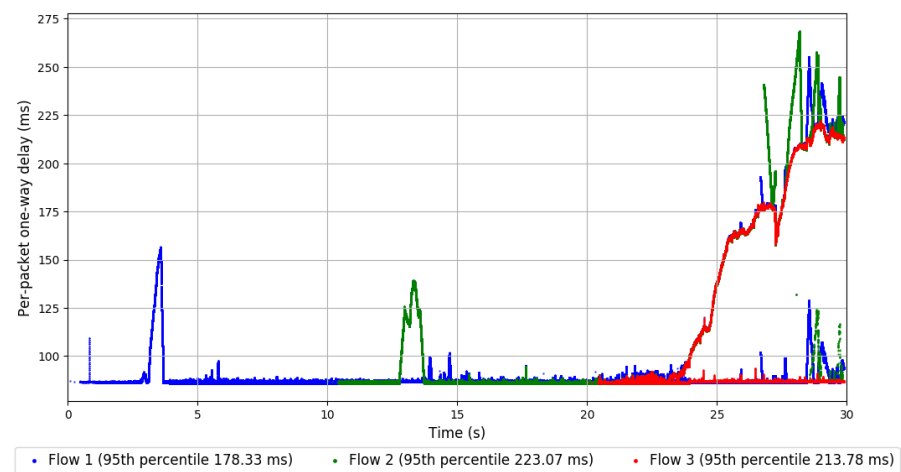
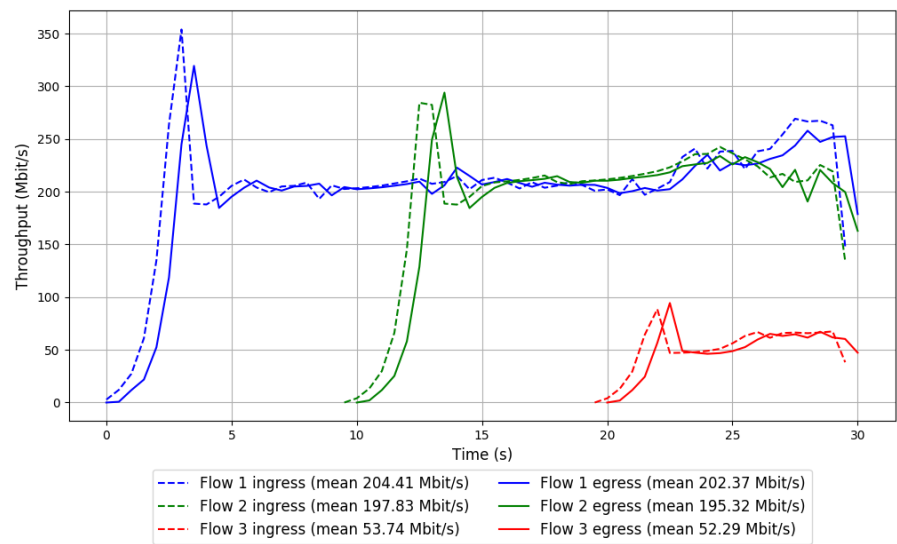


```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-24 12:05:35
End at: 2018-07-24 12:06:05
Local clock offset: -0.122 ms
Remote clock offset: -0.301 ms

# Below is generated by plot.py at 2018-07-24 19:14:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 349.91 Mbit/s
95th percentile per-packet one-way delay: 214.589 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 202.37 Mbit/s
95th percentile per-packet one-way delay: 178.326 ms
Loss rate: 0.99%
-- Flow 2:
Average throughput: 195.32 Mbit/s
95th percentile per-packet one-way delay: 223.073 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 52.29 Mbit/s
95th percentile per-packet one-way delay: 213.779 ms
Loss rate: 2.68%
```


Run 1: Report of PCC-Expr — Data Link

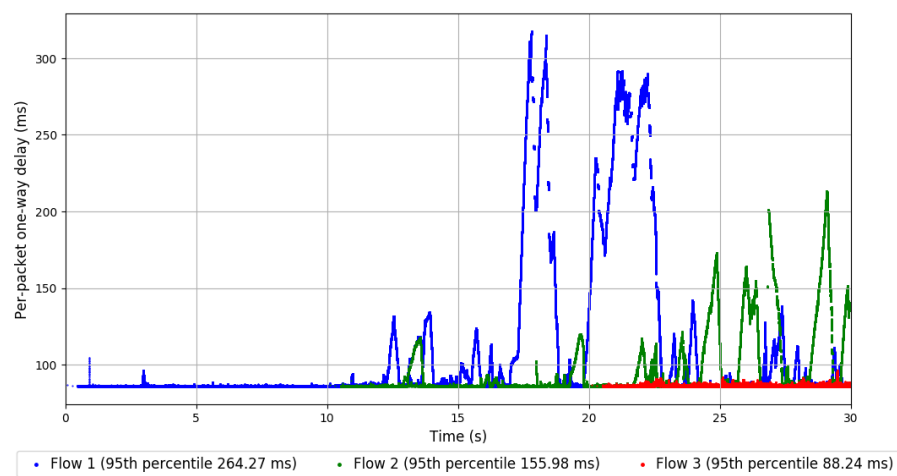
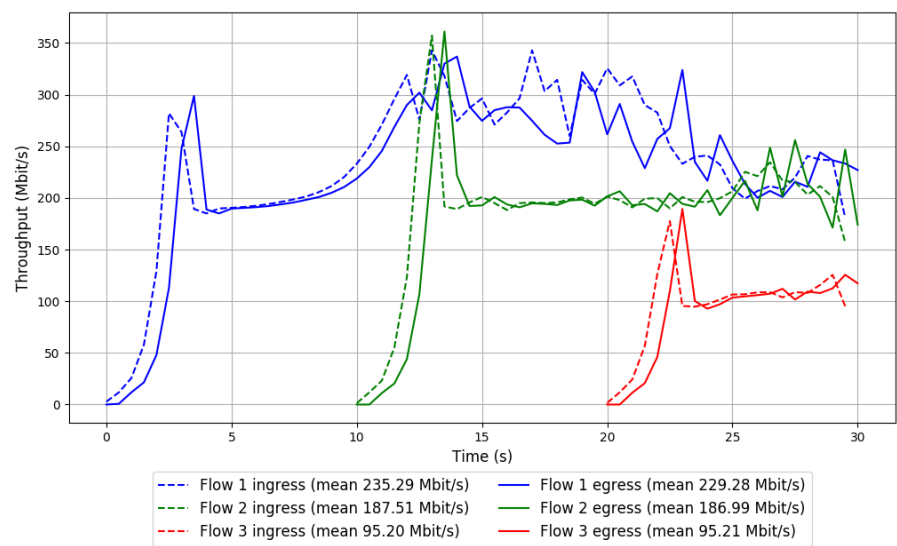


Run 2: Statistics of PCC-Expr

Start at: 2018-07-24 12:33:49
End at: 2018-07-24 12:34:19
Local clock offset: -0.041 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-07-24 19:18:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 384.89 Mbit/s
95th percentile per-packet one-way delay: 226.468 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 229.28 Mbit/s
95th percentile per-packet one-way delay: 264.269 ms
Loss rate: 2.55%
-- Flow 2:
Average throughput: 186.99 Mbit/s
95th percentile per-packet one-way delay: 155.976 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 88.239 ms
Loss rate: 0.00%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-24 13:00:28

End at: 2018-07-24 13:00:58

Local clock offset: -0.076 ms

Remote clock offset: 0.055 ms

Below is generated by plot.py at 2018-07-24 19:21:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 424.43 Mbit/s

95th percentile per-packet one-way delay: 210.114 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 274.24 Mbit/s

95th percentile per-packet one-way delay: 213.390 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 201.75 Mbit/s

95th percentile per-packet one-way delay: 103.609 ms

Loss rate: 0.04%

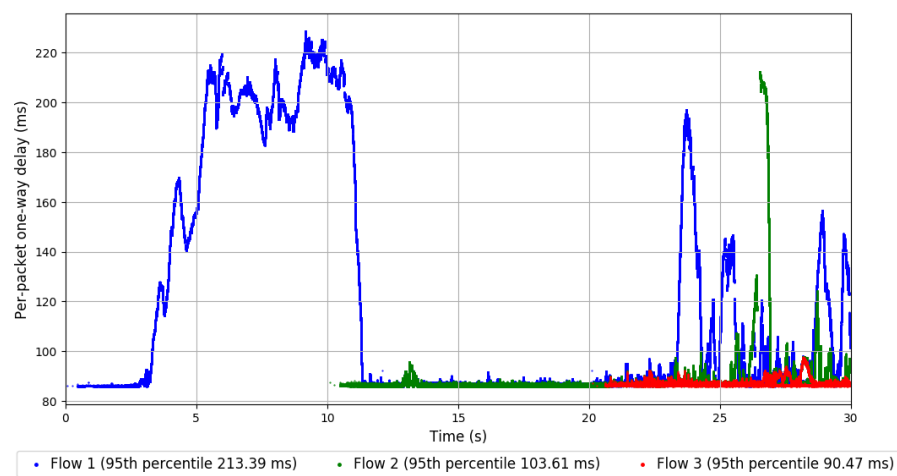
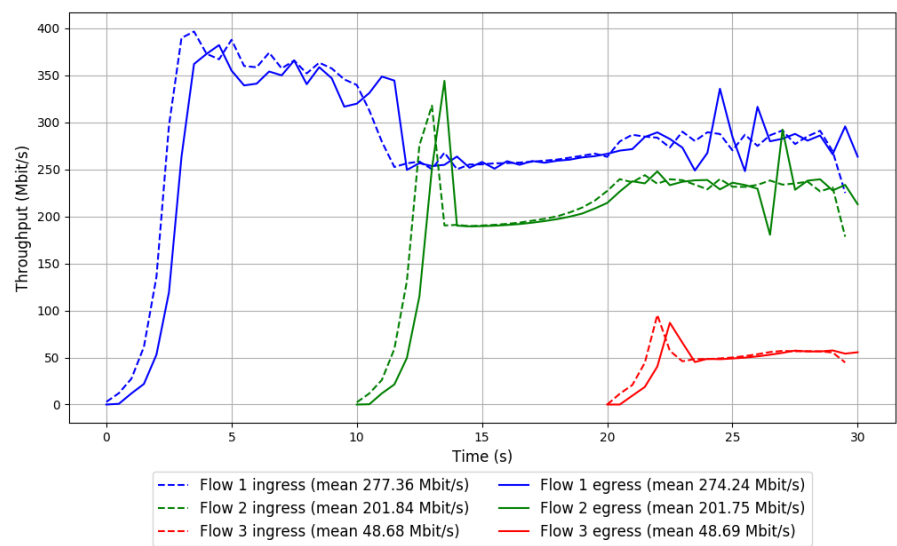
-- Flow 3:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 90.471 ms

Loss rate: 0.00%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-24 13:26:31

End at: 2018-07-24 13:27:01

Local clock offset: -0.003 ms

Remote clock offset: 0.041 ms

Below is generated by plot.py at 2018-07-24 19:22:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 383.50 Mbit/s

95th percentile per-packet one-way delay: 203.153 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 222.50 Mbit/s

95th percentile per-packet one-way delay: 206.899 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 199.58 Mbit/s

95th percentile per-packet one-way delay: 98.806 ms

Loss rate: 0.00%

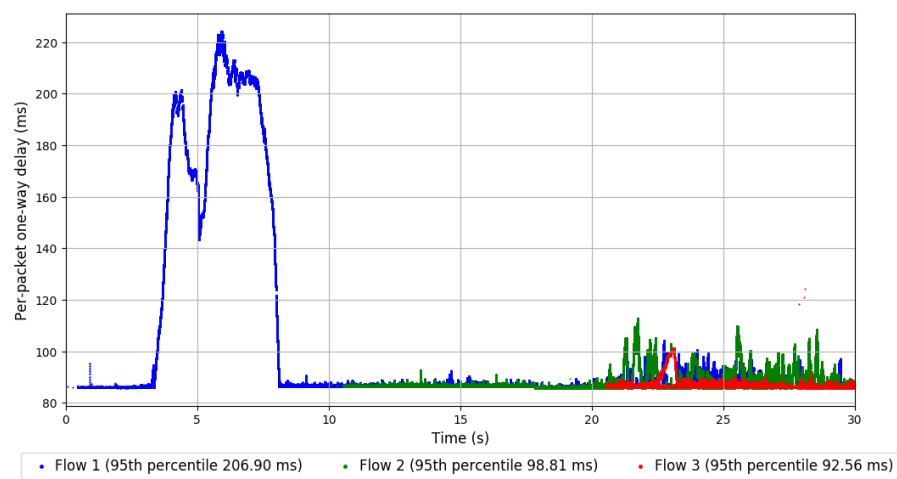
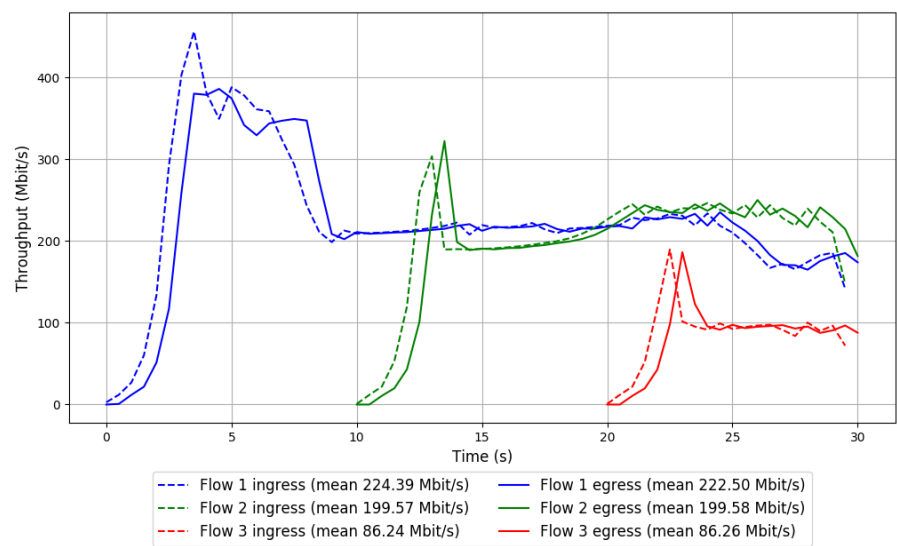
-- Flow 3:

Average throughput: 86.26 Mbit/s

95th percentile per-packet one-way delay: 92.557 ms

Loss rate: 0.00%

Run 4: Report of PCC-Expr — Data Link

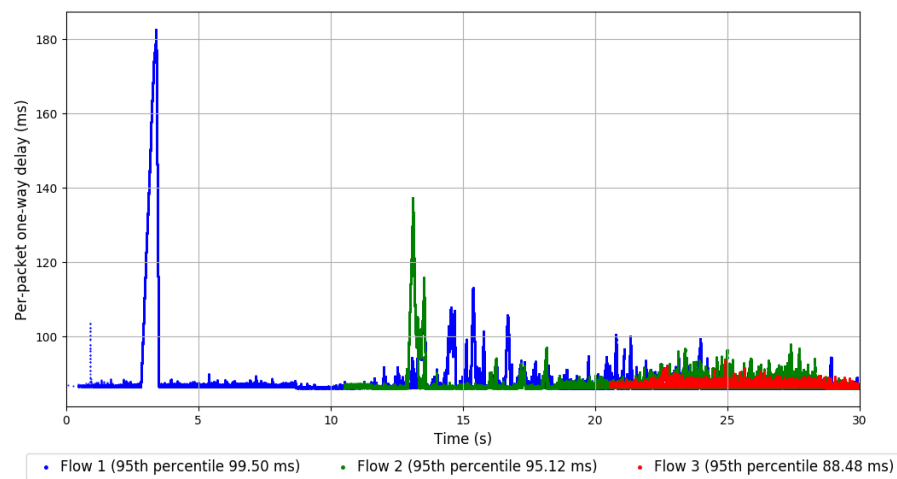
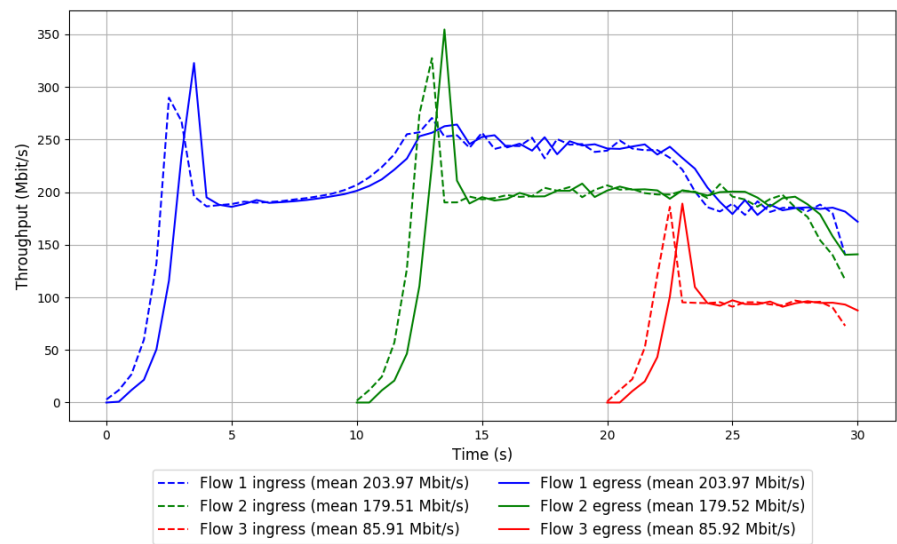


Run 5: Statistics of PCC-Expr

Start at: 2018-07-24 13:52:40
End at: 2018-07-24 13:53:10
Local clock offset: -0.1 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-07-24 19:22:27
Datalink statistics
-- Total of 3 flows:
Average throughput: 351.65 Mbit/s
95th percentile per-packet one-way delay: 97.083 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.97 Mbit/s
95th percentile per-packet one-way delay: 99.499 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 179.52 Mbit/s
95th percentile per-packet one-way delay: 95.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 85.92 Mbit/s
95th percentile per-packet one-way delay: 88.478 ms
Loss rate: 0.00%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-07-24 14:21:23

End at: 2018-07-24 14:21:53

Local clock offset: -0.093 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-07-24 19:24:50

Datalink statistics

-- Total of 3 flows:

Average throughput: 367.48 Mbit/s

95th percentile per-packet one-way delay: 143.280 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 218.58 Mbit/s

95th percentile per-packet one-way delay: 162.733 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 198.38 Mbit/s

95th percentile per-packet one-way delay: 132.263 ms

Loss rate: 0.30%

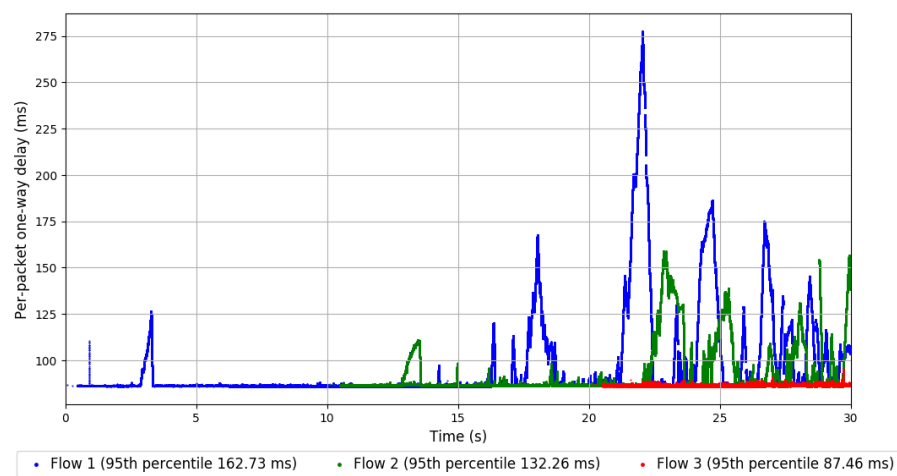
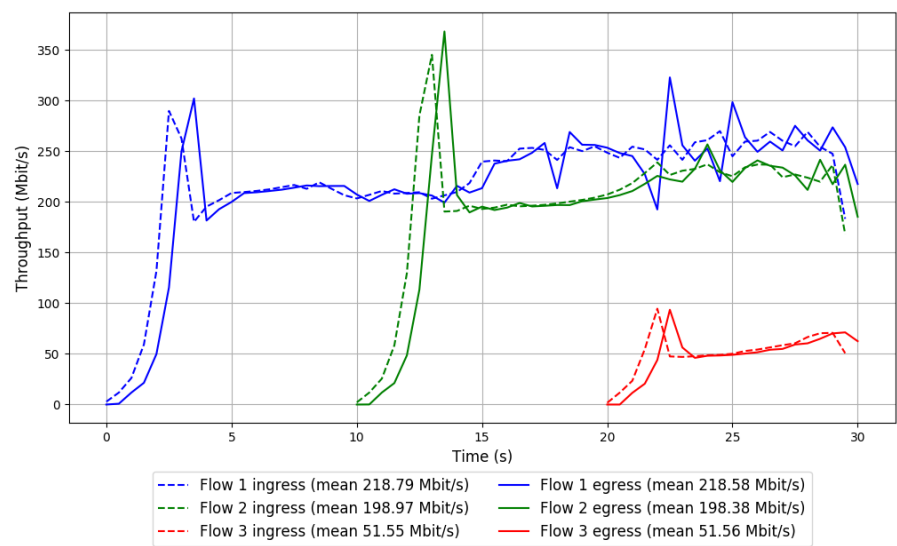
-- Flow 3:

Average throughput: 51.56 Mbit/s

95th percentile per-packet one-way delay: 87.462 ms

Loss rate: 0.00%

Run 6: Report of PCC-Expr — Data Link

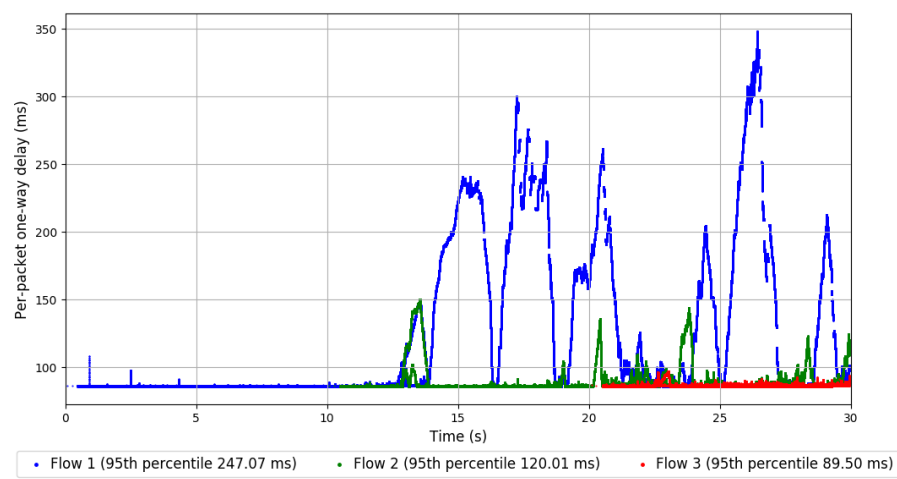
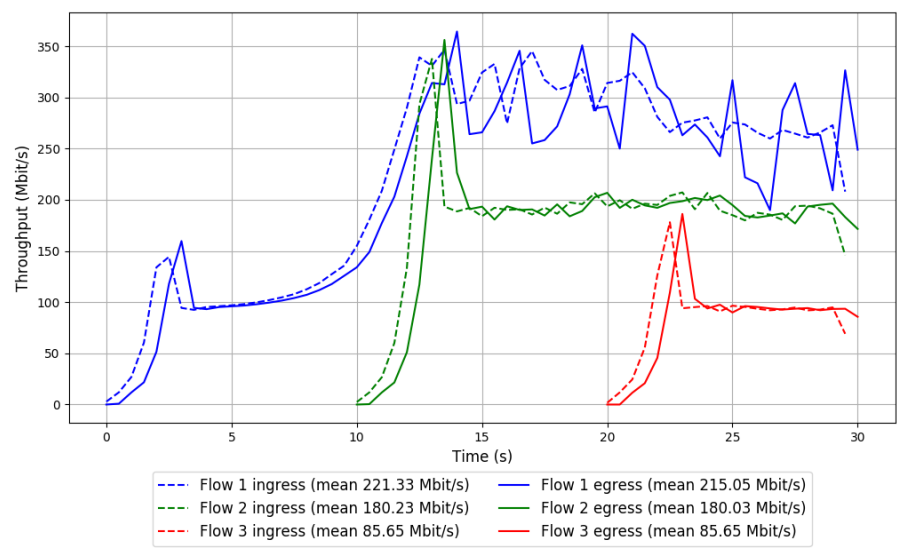


Run 7: Statistics of PCC-Expr

Start at: 2018-07-24 14:52:20
End at: 2018-07-24 14:52:50
Local clock offset: 0.124 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-07-24 19:27:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 363.06 Mbit/s
95th percentile per-packet one-way delay: 235.423 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 215.05 Mbit/s
95th percentile per-packet one-way delay: 247.069 ms
Loss rate: 2.83%
-- Flow 2:
Average throughput: 180.03 Mbit/s
95th percentile per-packet one-way delay: 120.006 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 85.65 Mbit/s
95th percentile per-packet one-way delay: 89.498 ms
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link

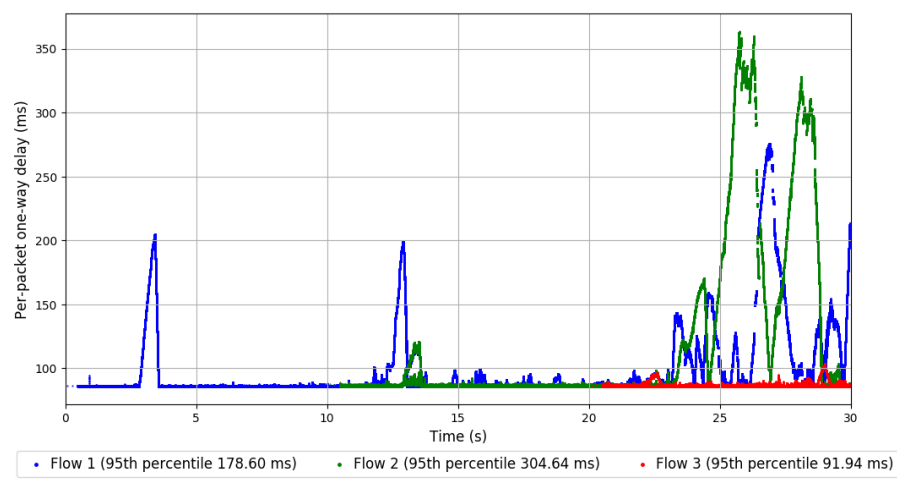
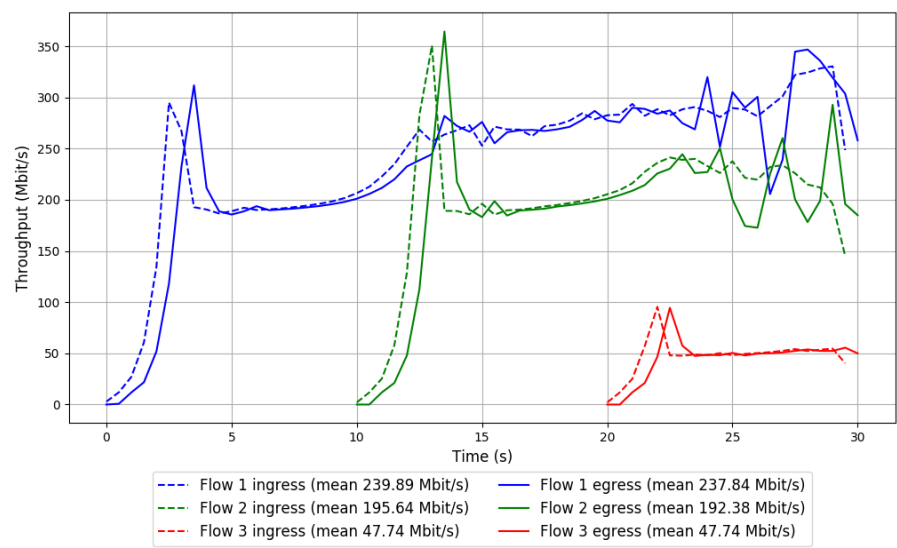


Run 8: Statistics of PCC-Expr

Start at: 2018-07-24 15:22:19
End at: 2018-07-24 15:22:49
Local clock offset: 0.023 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-24 19:28:36
Datalink statistics
-- Total of 3 flows:
Average throughput: 381.46 Mbit/s
95th percentile per-packet one-way delay: 222.569 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 237.84 Mbit/s
95th percentile per-packet one-way delay: 178.600 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 192.38 Mbit/s
95th percentile per-packet one-way delay: 304.642 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 47.74 Mbit/s
95th percentile per-packet one-way delay: 91.935 ms
Loss rate: 0.00%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-07-24 15:49:23

End at: 2018-07-24 15:49:53

Local clock offset: 0.177 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-07-24 19:31:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 366.18 Mbit/s

95th percentile per-packet one-way delay: 106.023 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 216.09 Mbit/s

95th percentile per-packet one-way delay: 109.453 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 181.09 Mbit/s

95th percentile per-packet one-way delay: 104.584 ms

Loss rate: 0.00%

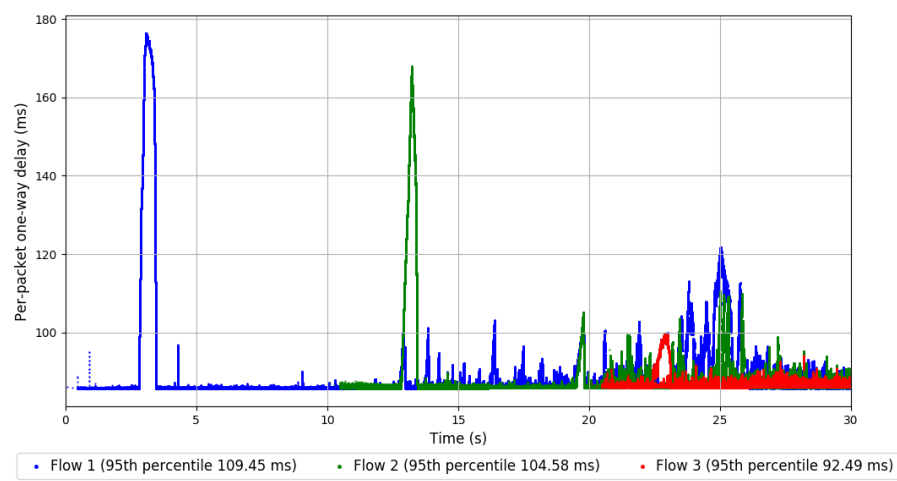
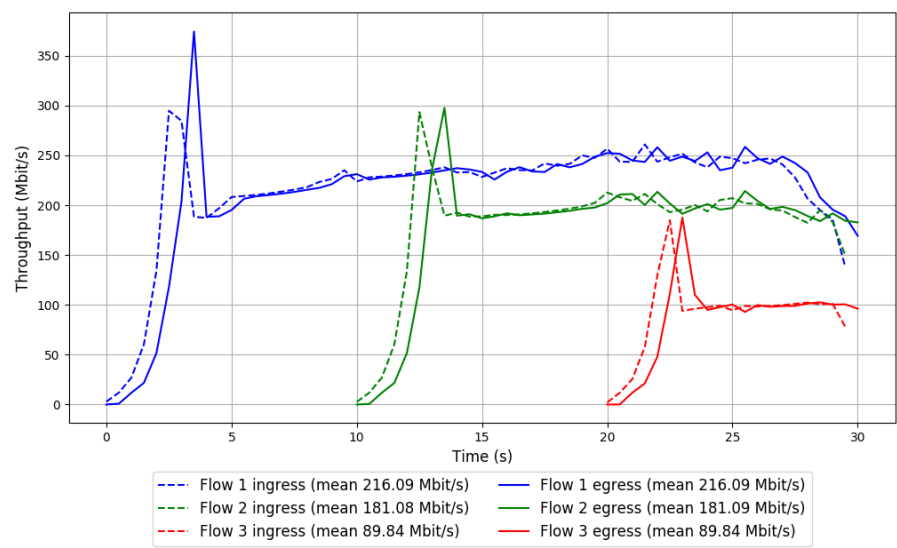
-- Flow 3:

Average throughput: 89.84 Mbit/s

95th percentile per-packet one-way delay: 92.487 ms

Loss rate: 0.02%

Run 9: Report of PCC-Expr — Data Link

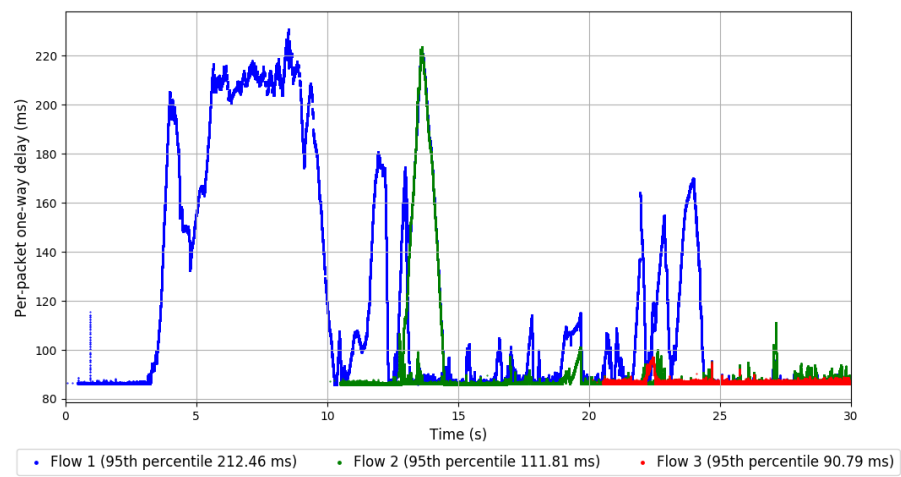
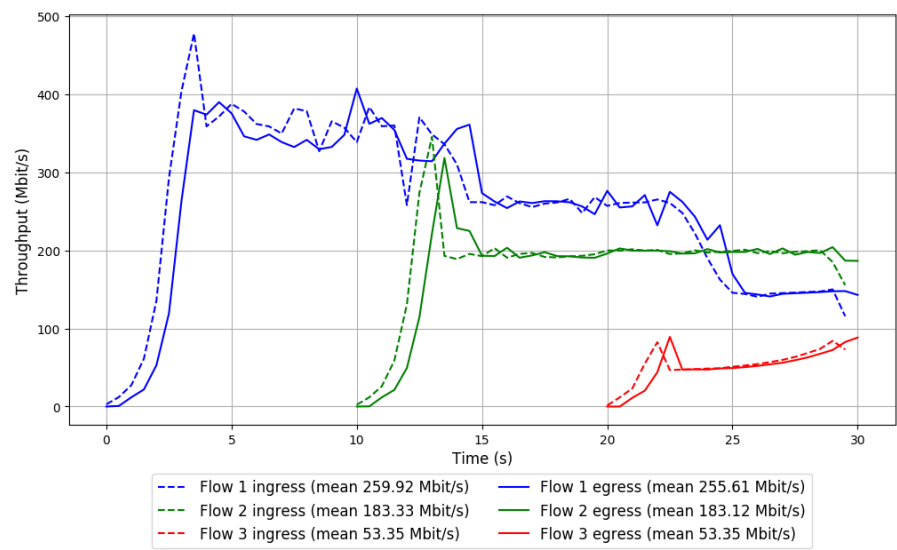


Run 10: Statistics of PCC-Expr

Start at: 2018-07-24 16:18:52
End at: 2018-07-24 16:19:22
Local clock offset: 0.001 ms
Remote clock offset: -0.085 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 394.92 Mbit/s
95th percentile per-packet one-way delay: 210.742 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 255.61 Mbit/s
95th percentile per-packet one-way delay: 212.458 ms
Loss rate: 1.66%
-- Flow 2:
Average throughput: 183.12 Mbit/s
95th percentile per-packet one-way delay: 111.807 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 90.793 ms
Loss rate: 0.00%

Run 10: Report of PCC-Expr — Data Link

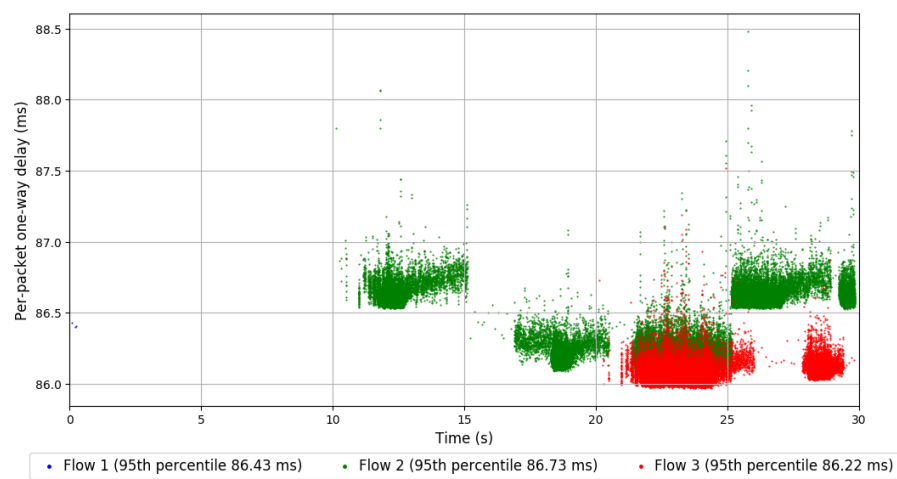
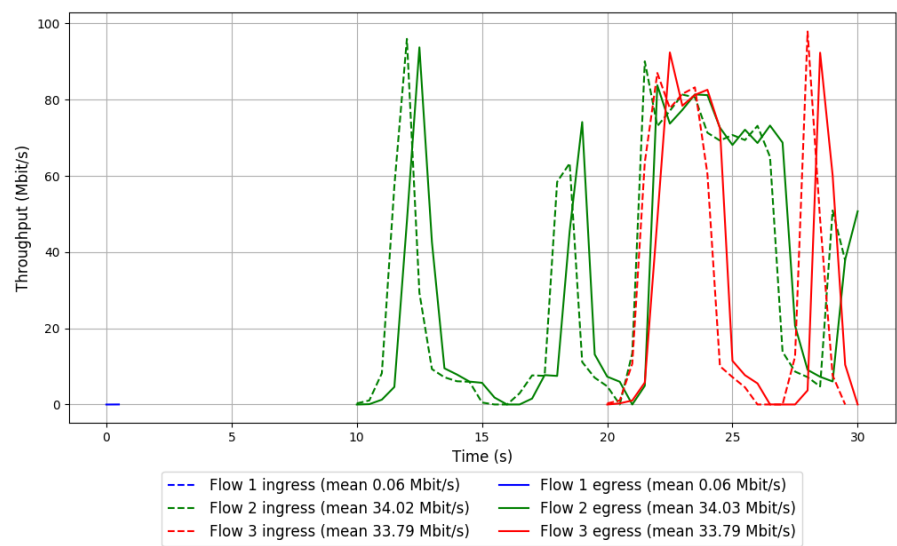


Run 1: Statistics of QUIC Cubic

Start at: 2018-07-24 12:10:14
End at: 2018-07-24 12:10:44
Local clock offset: -0.184 ms
Remote clock offset: -0.329 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.55 Mbit/s
95th percentile per-packet one-way delay: 86.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.434 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 34.03 Mbit/s
95th percentile per-packet one-way delay: 86.733 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 86.223 ms
Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link

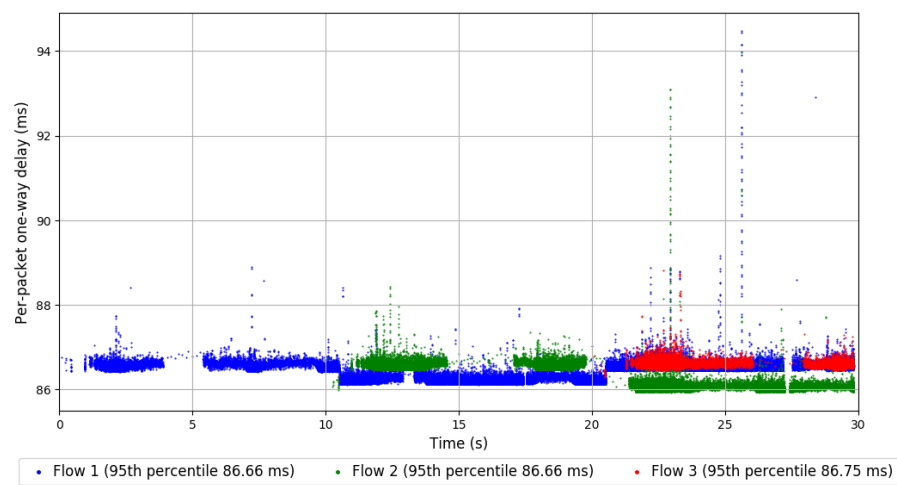
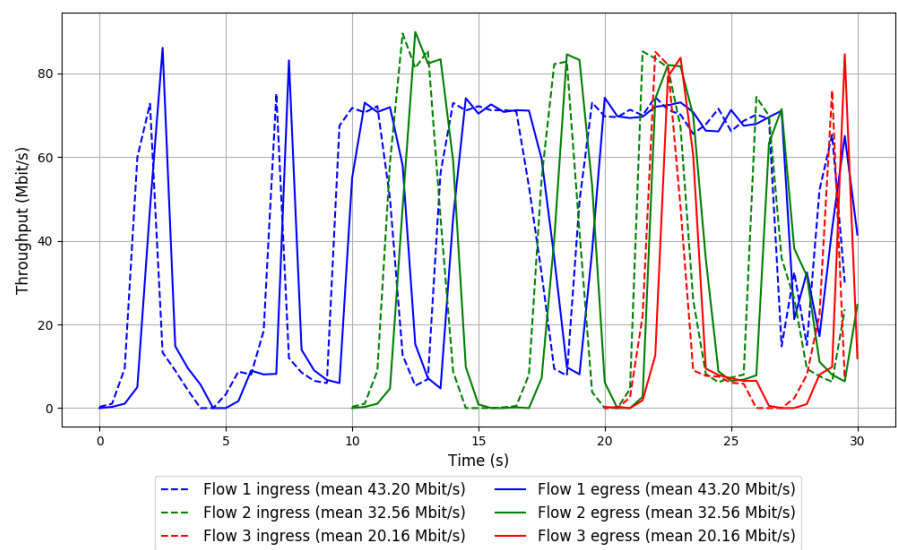


Run 2: Statistics of QUIC Cubic

Start at: 2018-07-24 12:38:28
End at: 2018-07-24 12:38:58
Local clock offset: -0.106 ms
Remote clock offset: -0.093 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.38 Mbit/s
95th percentile per-packet one-way delay: 86.672 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.20 Mbit/s
95th percentile per-packet one-way delay: 86.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 32.56 Mbit/s
95th percentile per-packet one-way delay: 86.655 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.16 Mbit/s
95th percentile per-packet one-way delay: 86.746 ms
Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-24 13:04:50

End at: 2018-07-24 13:05:20

Local clock offset: -0.058 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 86.553 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 86.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 86.608 ms

Loss rate: 0.00%

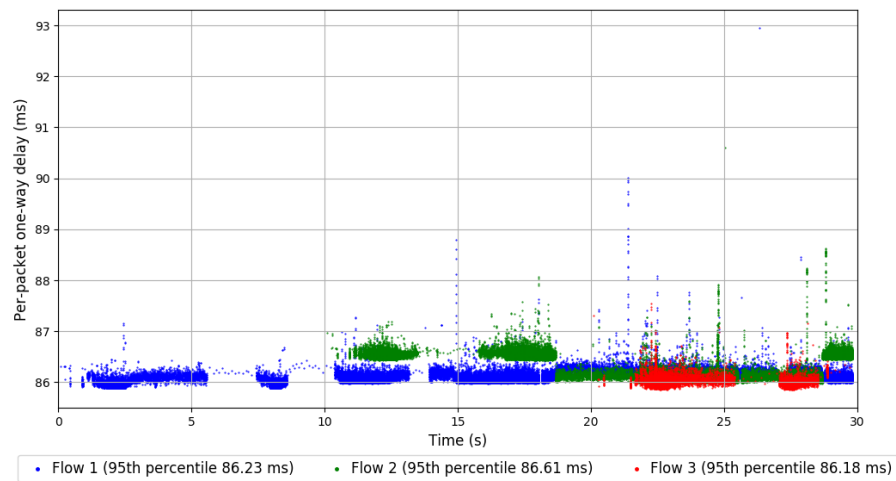
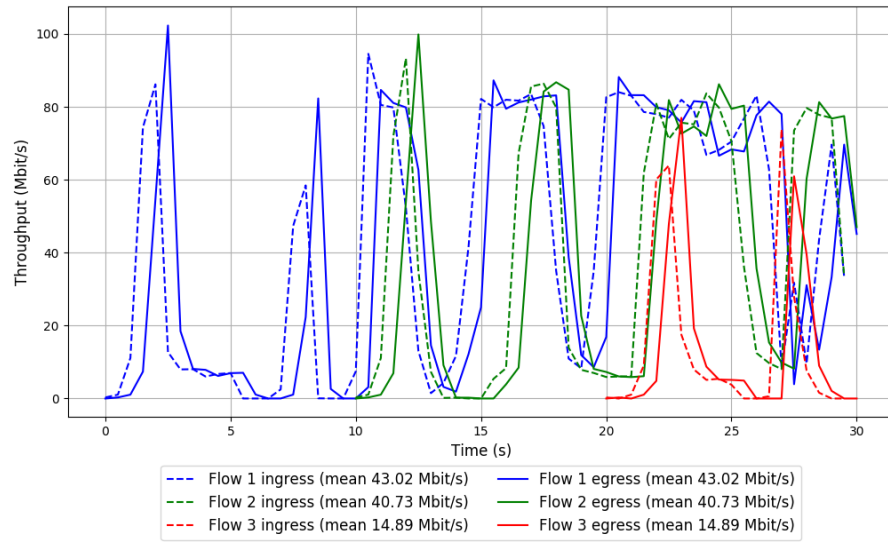
-- Flow 3:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 86.178 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-24 13:30:51

End at: 2018-07-24 13:31:21

Local clock offset: 0.042 ms

Remote clock offset: 0.063 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.28 Mbit/s

95th percentile per-packet one-way delay: 86.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.58 Mbit/s

95th percentile per-packet one-way delay: 86.466 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 86.094 ms

Loss rate: 0.00%

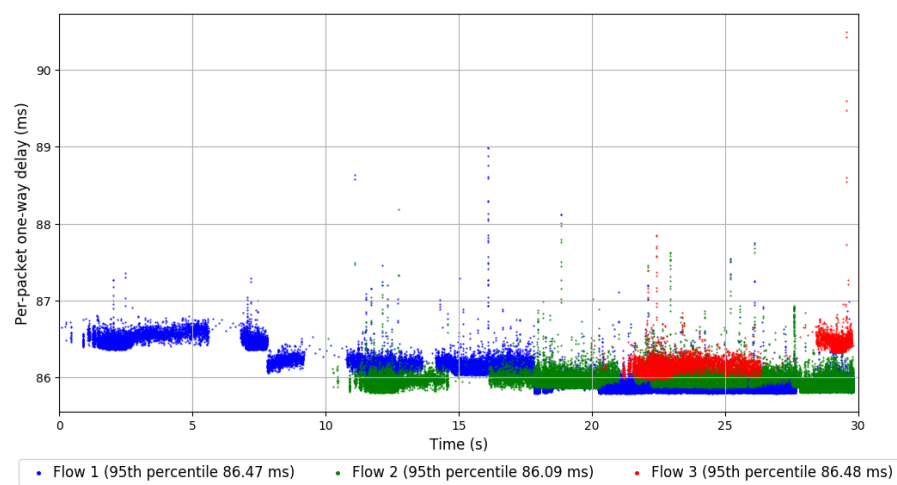
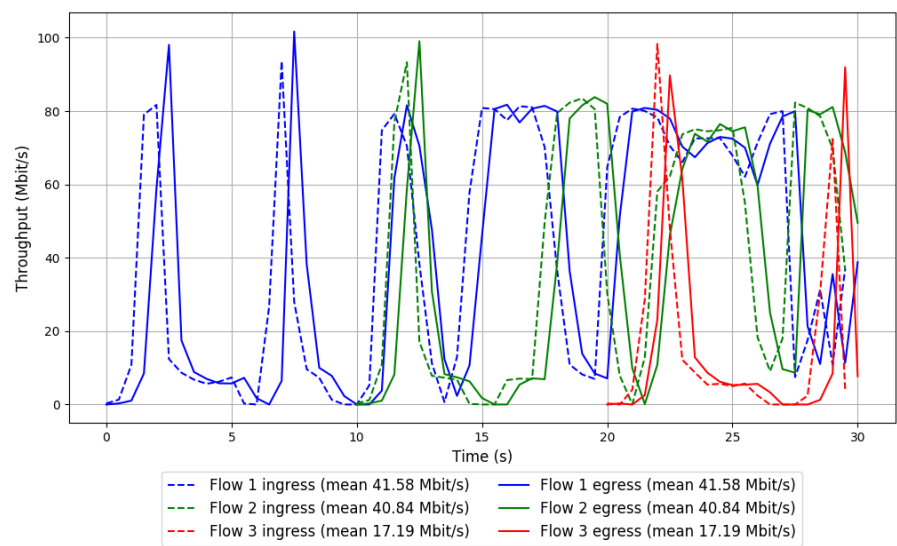
-- Flow 3:

Average throughput: 17.19 Mbit/s

95th percentile per-packet one-way delay: 86.481 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

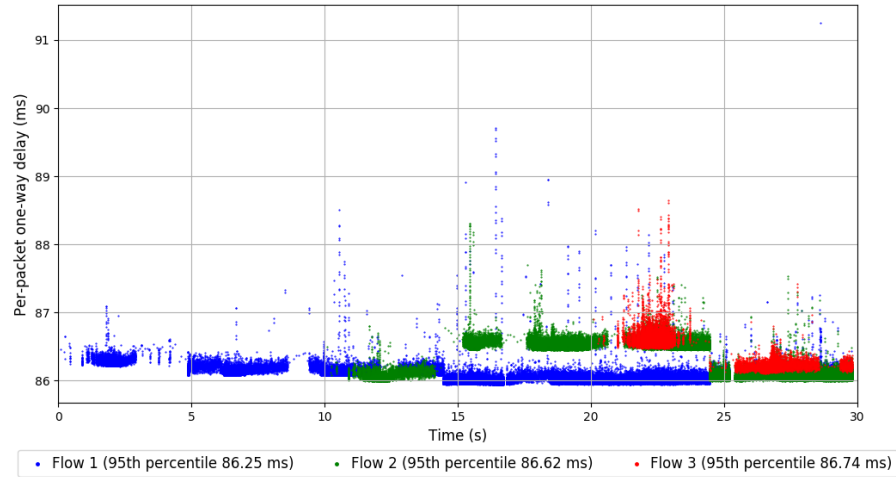
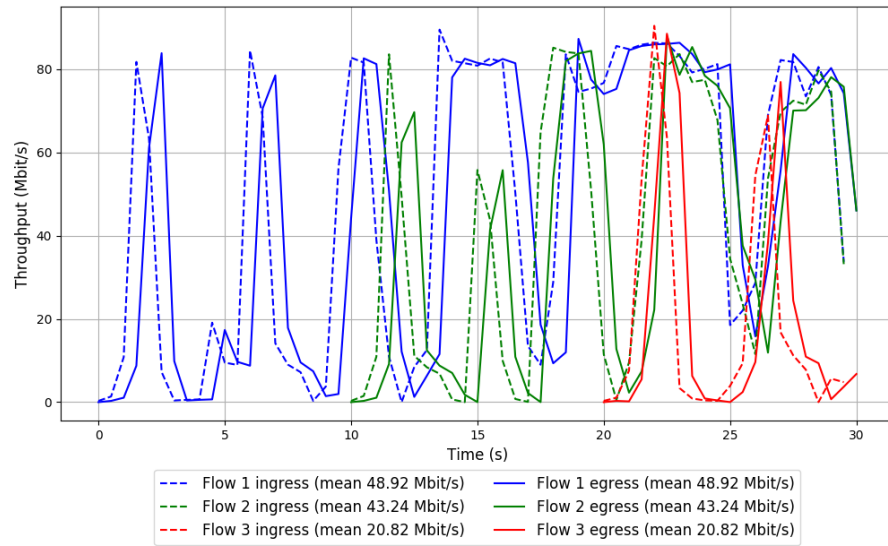


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-24 13:56:54
End at: 2018-07-24 13:57:24
Local clock offset: -0.134 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 86.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.92 Mbit/s
95th percentile per-packet one-way delay: 86.254 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.24 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 20.82 Mbit/s
95th percentile per-packet one-way delay: 86.740 ms
Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link

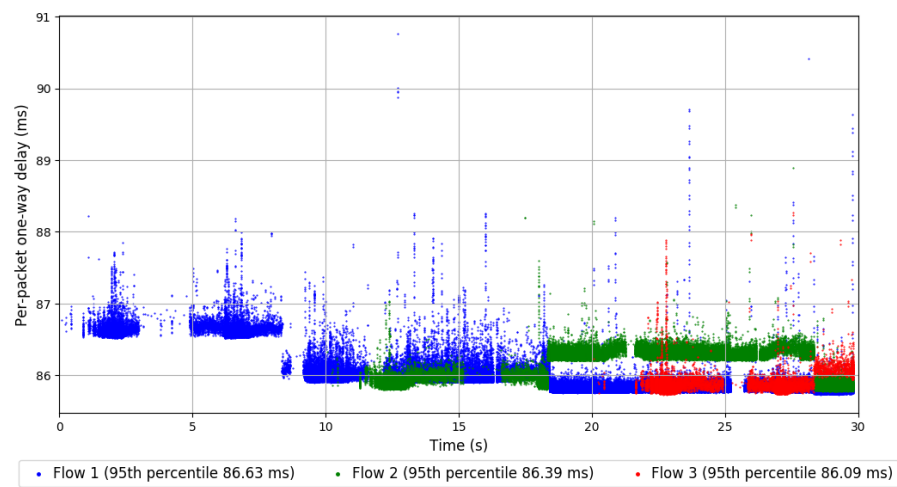
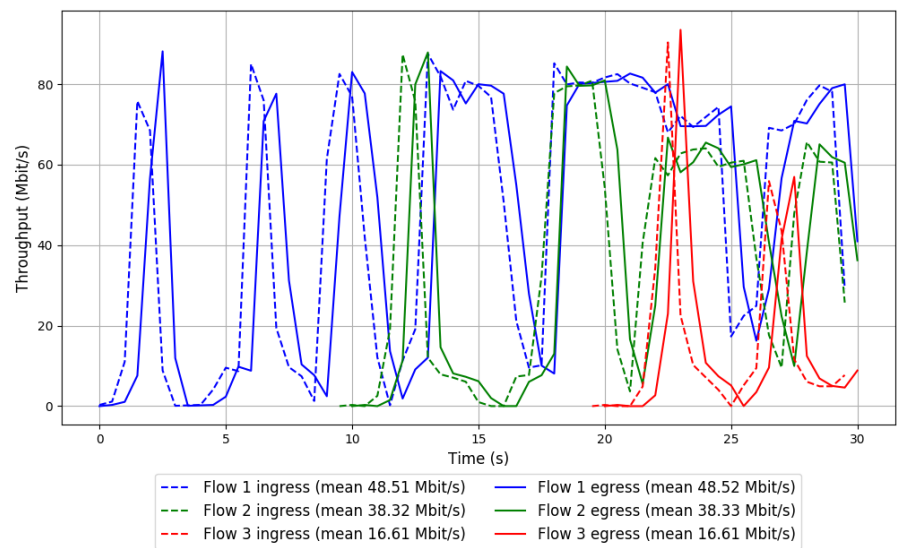


Run 6: Statistics of QUIC Cubic

Start at: 2018-07-24 14:26:30
End at: 2018-07-24 14:27:00
Local clock offset: 0.063 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 86.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.52 Mbit/s
95th percentile per-packet one-way delay: 86.630 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 86.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 86.088 ms
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

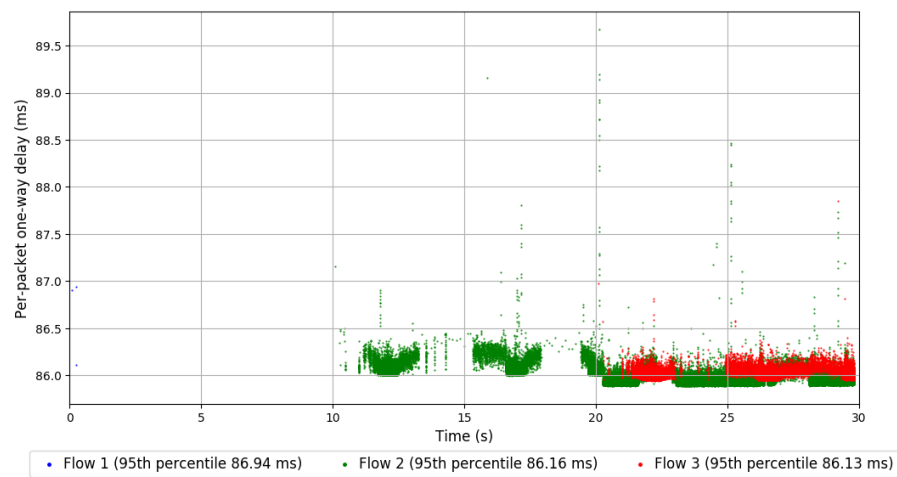
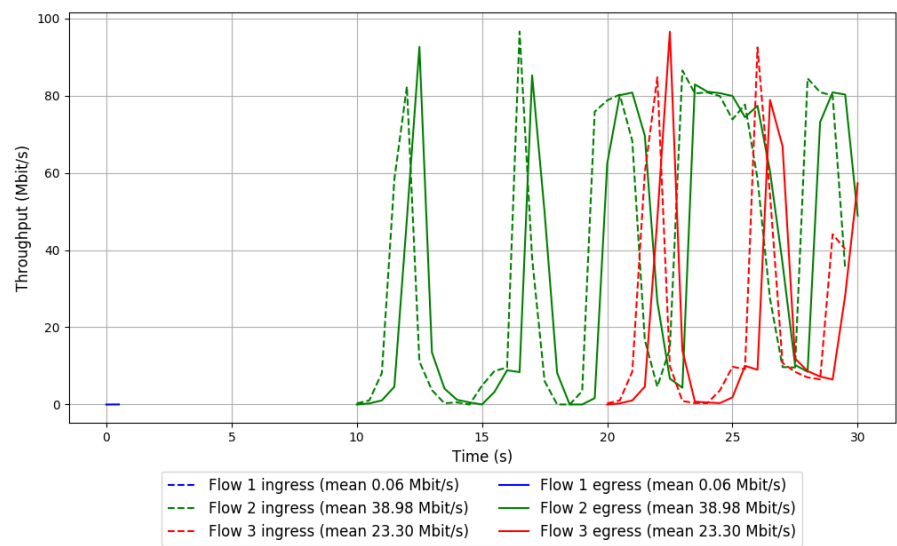


Run 7: Statistics of QUIC Cubic

Start at: 2018-07-24 14:57:09
End at: 2018-07-24 14:57:39
Local clock offset: -0.077 ms
Remote clock offset: -0.105 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 33.47 Mbit/s
95th percentile per-packet one-way delay: 86.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 86.941 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 86.161 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.30 Mbit/s
95th percentile per-packet one-way delay: 86.129 ms
Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link

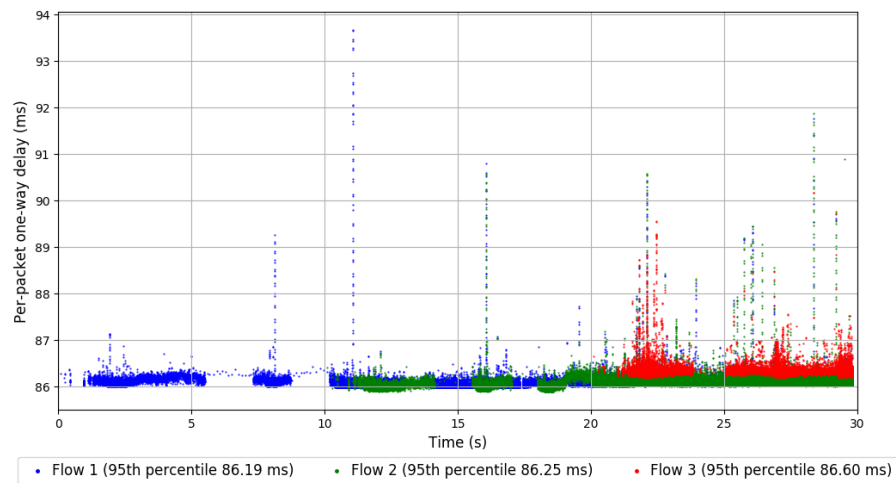
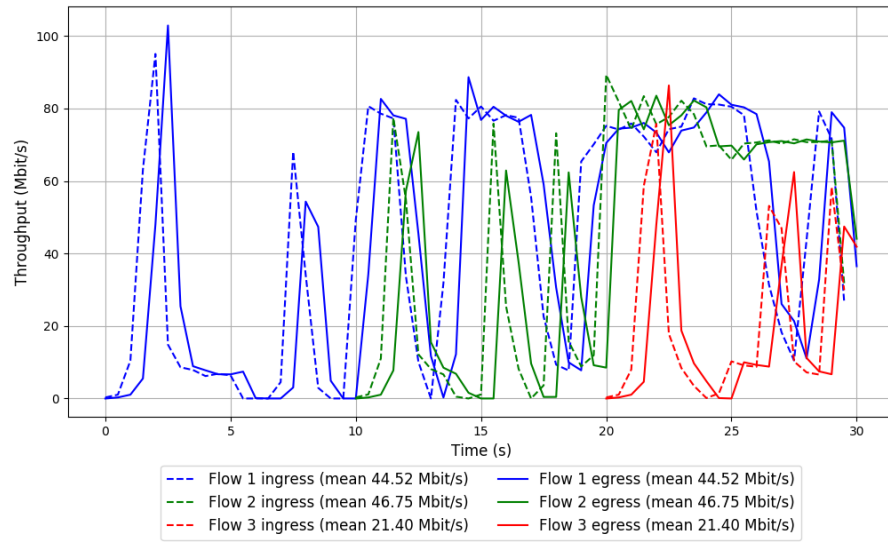


Run 8: Statistics of QUIC Cubic

Start at: 2018-07-24 15:26:50
End at: 2018-07-24 15:27:20
Local clock offset: -0.06 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 82.50 Mbit/s
95th percentile per-packet one-way delay: 86.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.52 Mbit/s
95th percentile per-packet one-way delay: 86.185 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.75 Mbit/s
95th percentile per-packet one-way delay: 86.248 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 86.600 ms
Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link

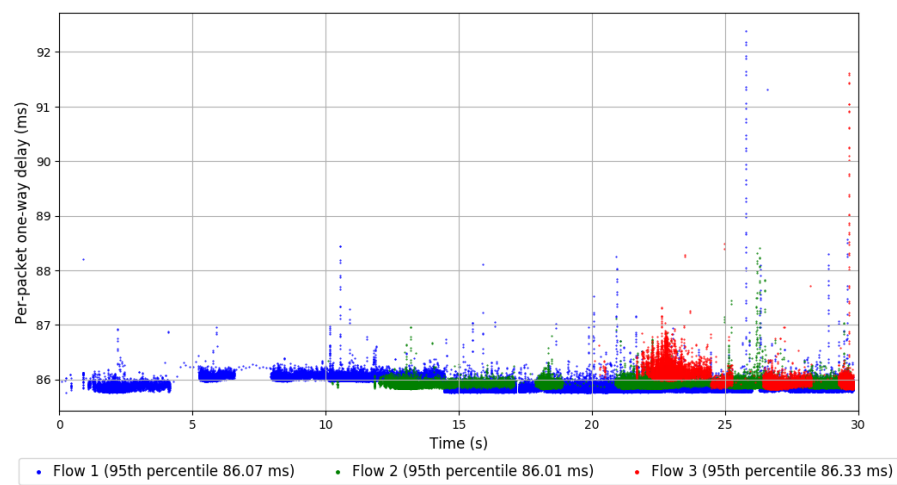
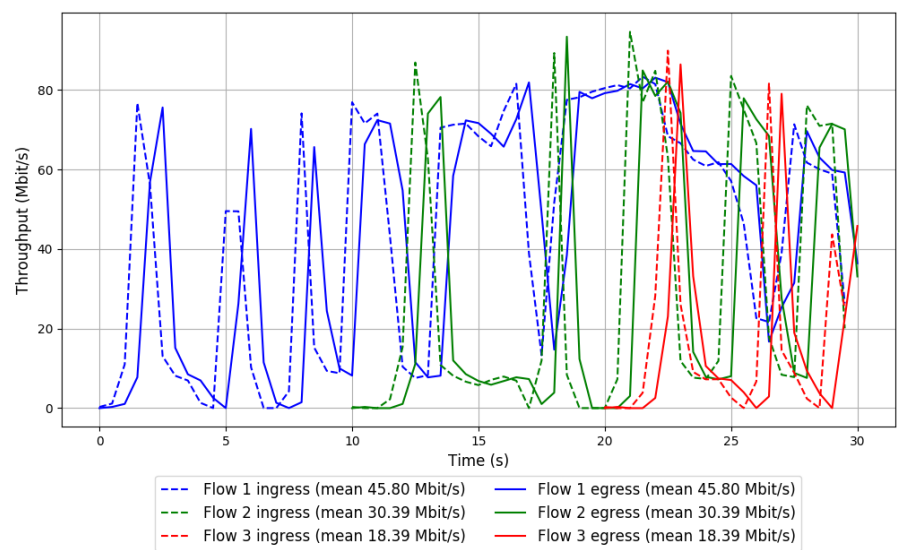


Run 9: Statistics of QUIC Cubic

Start at: 2018-07-24 15:53:54
End at: 2018-07-24 15:54:24
Local clock offset: 0.043 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.89 Mbit/s
95th percentile per-packet one-way delay: 86.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.80 Mbit/s
95th percentile per-packet one-way delay: 86.071 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 86.007 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 86.326 ms
Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link

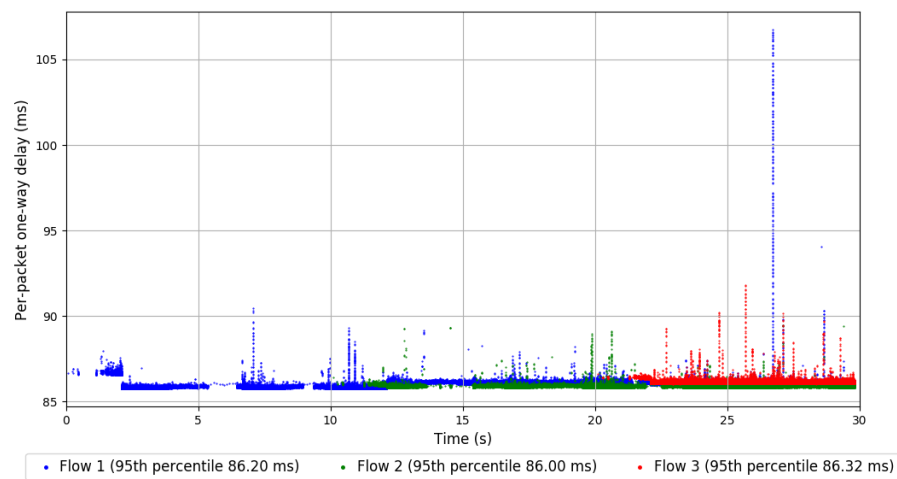
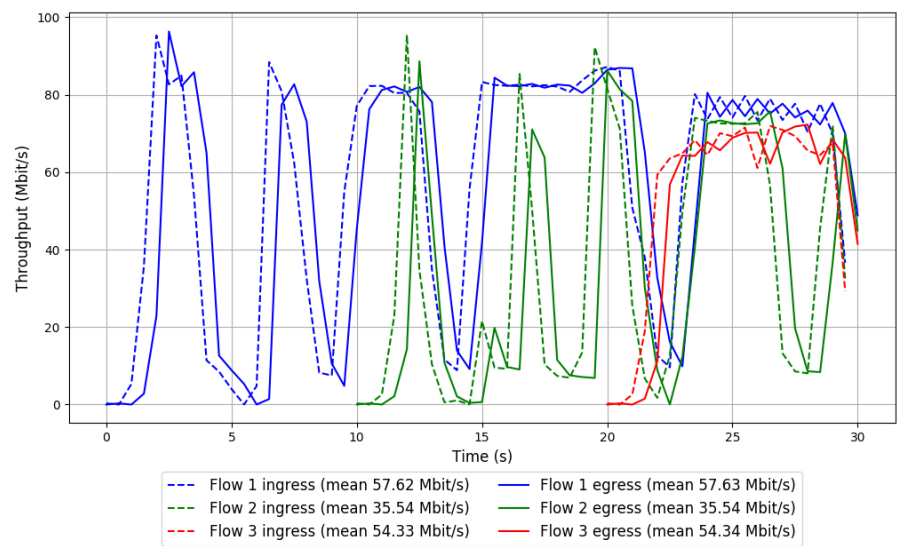


Run 10: Statistics of QUIC Cubic

Start at: 2018-07-24 16:23:17
End at: 2018-07-24 16:23:47
Local clock offset: 0.018 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 98.91 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 86.201 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 35.54 Mbit/s
95th percentile per-packet one-way delay: 86.005 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 86.318 ms
Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

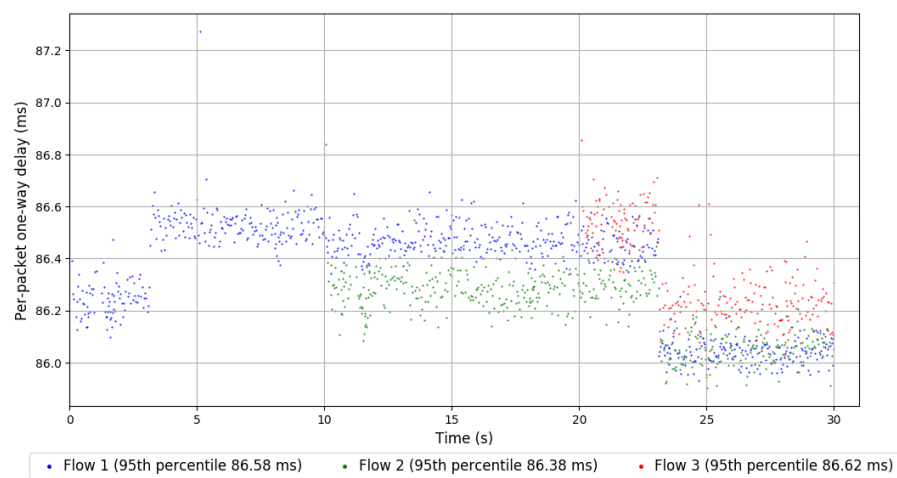
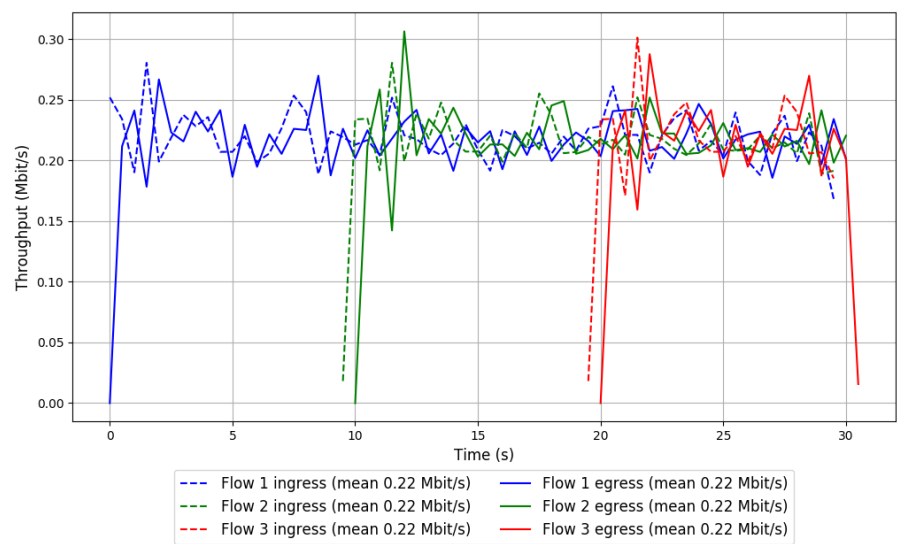


```
Run 1: Statistics of SReAM

Start at: 2018-07-24 11:54:46
End at: 2018-07-24 11:55:16
Local clock offset: 0.183 ms
Remote clock offset: -0.287 ms

# Below is generated by plot.py at 2018-07-24 19:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.577 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.375 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.00%
```


Run 1: Report of SReAM — Data Link

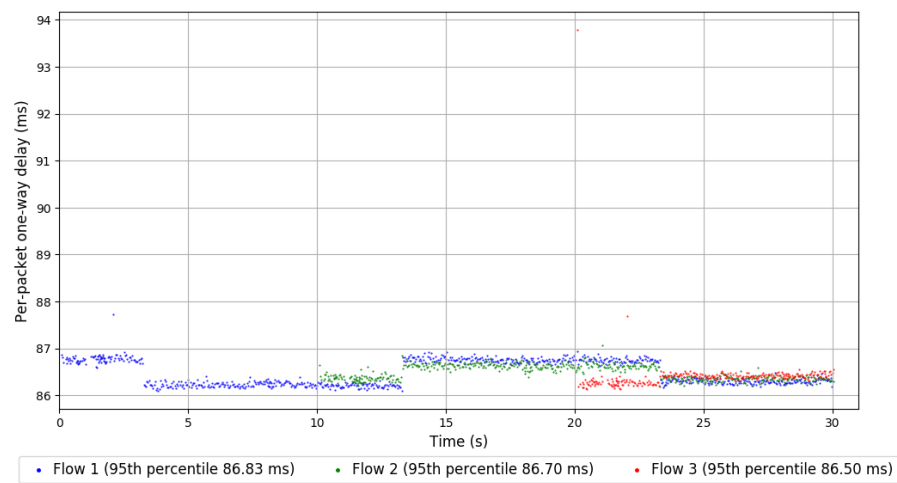
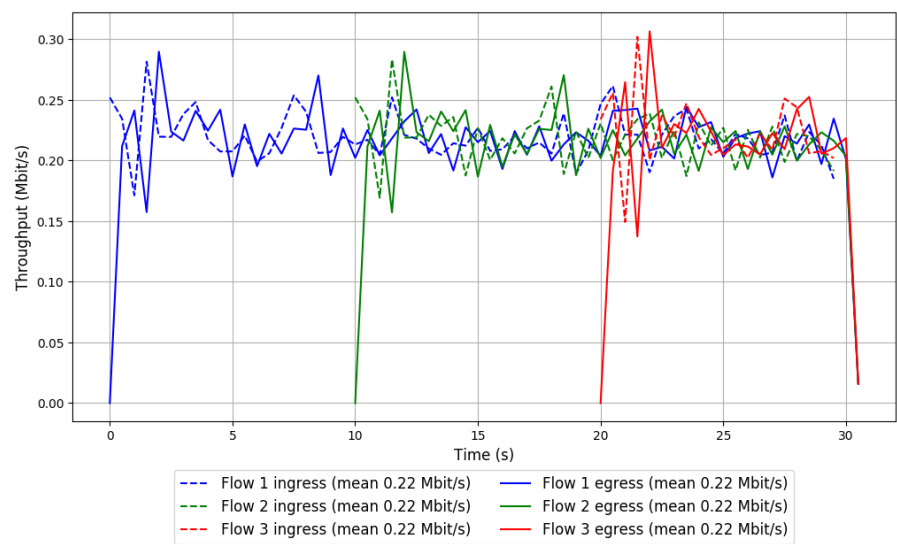


```
Run 2: Statistics of SReAM

Start at: 2018-07-24 12:23:26
End at: 2018-07-24 12:23:56
Local clock offset: -0.087 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at 2018-07-24 19:36:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.501 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2018-07-24 12:51:09

End at: 2018-07-24 12:51:39

Local clock offset: 0.042 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.925 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.467 ms

Loss rate: 0.00%

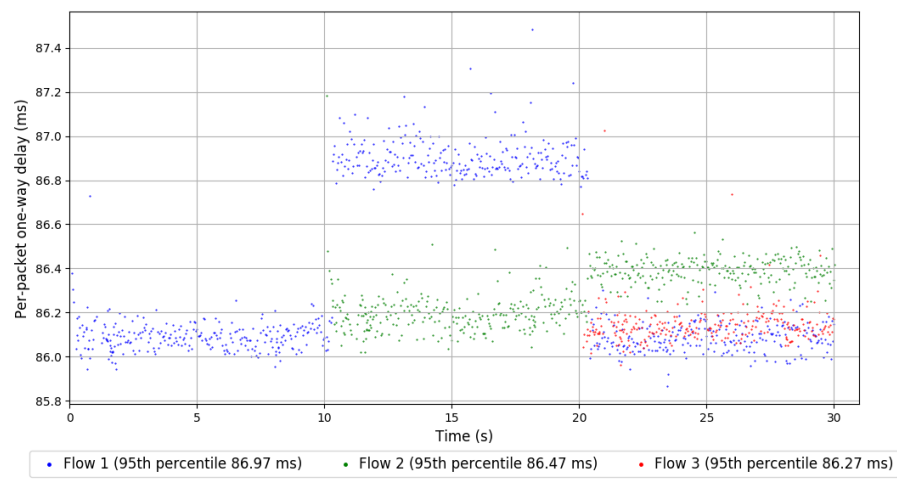
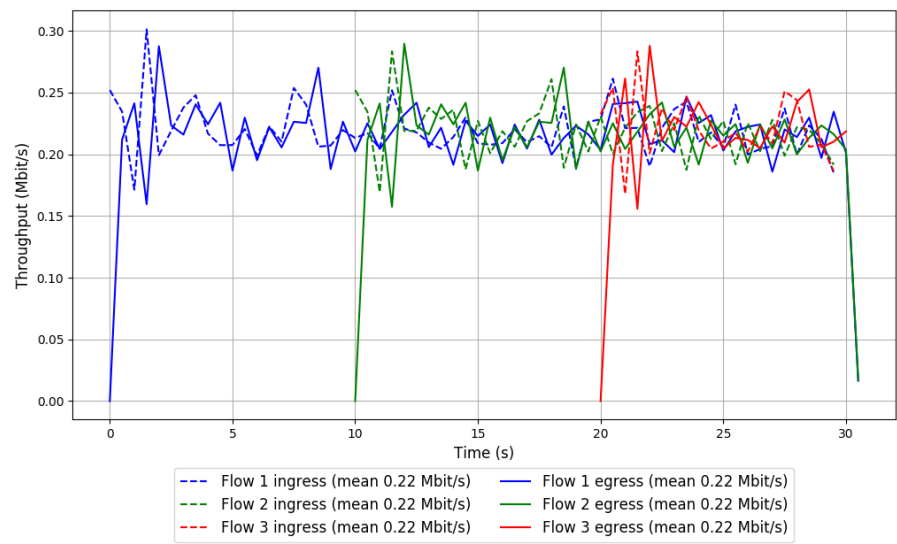
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.265 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2018-07-24 13:17:11

End at: 2018-07-24 13:17:41

Local clock offset: 0.214 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.809 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.328 ms

Loss rate: 0.00%

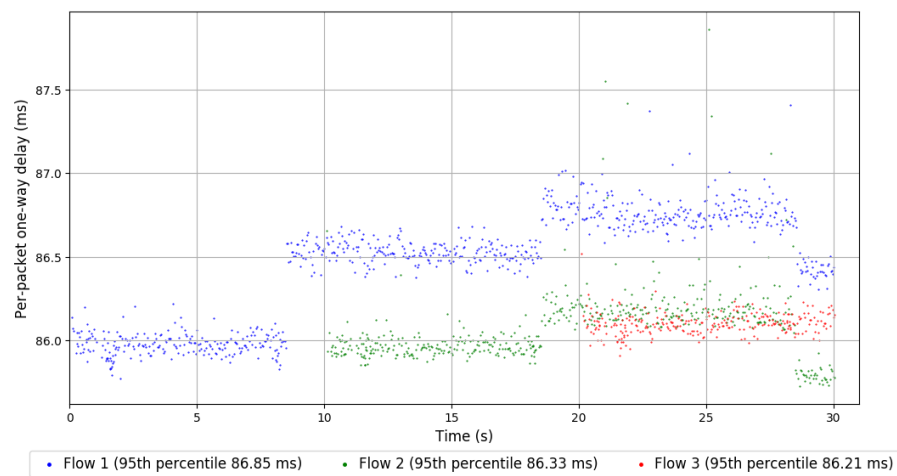
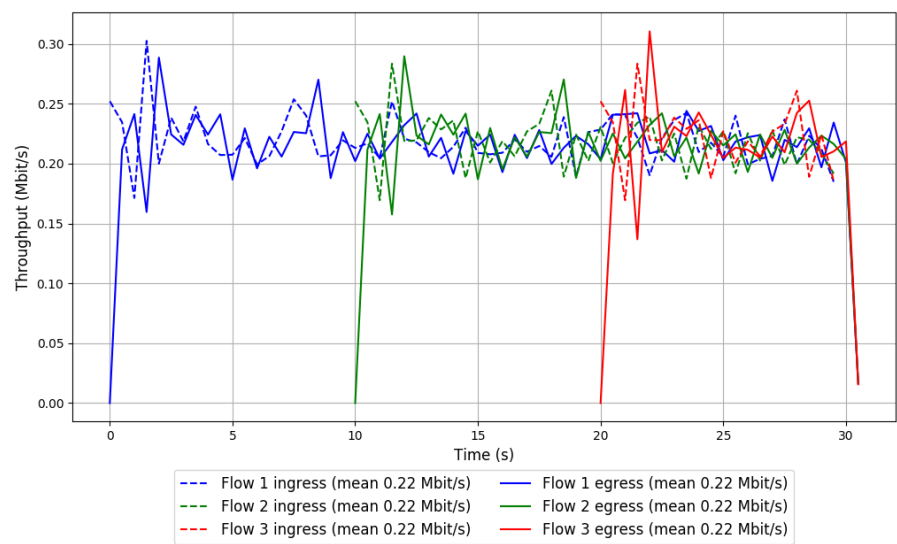
-- Flow 3:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2018-07-24 13:43:17

End at: 2018-07-24 13:43:47

Local clock offset: 0.131 ms

Remote clock offset: 0.02 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.513 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.106 ms

Loss rate: 0.00%

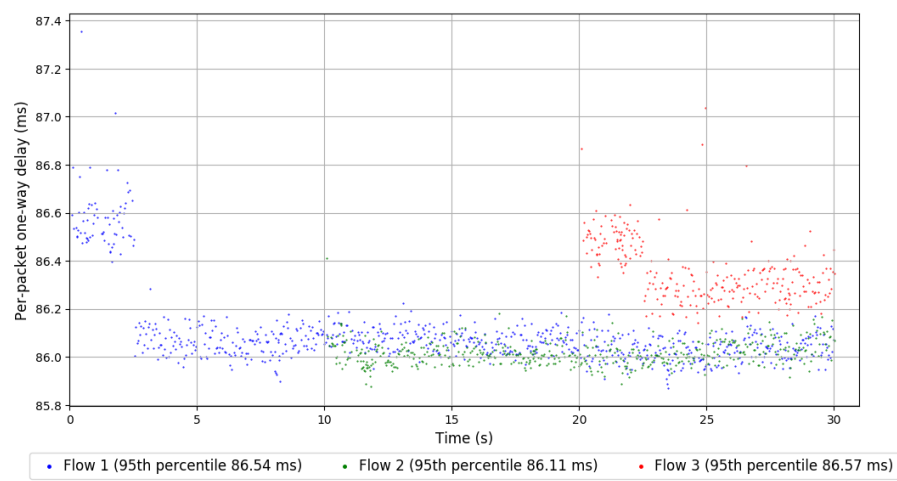
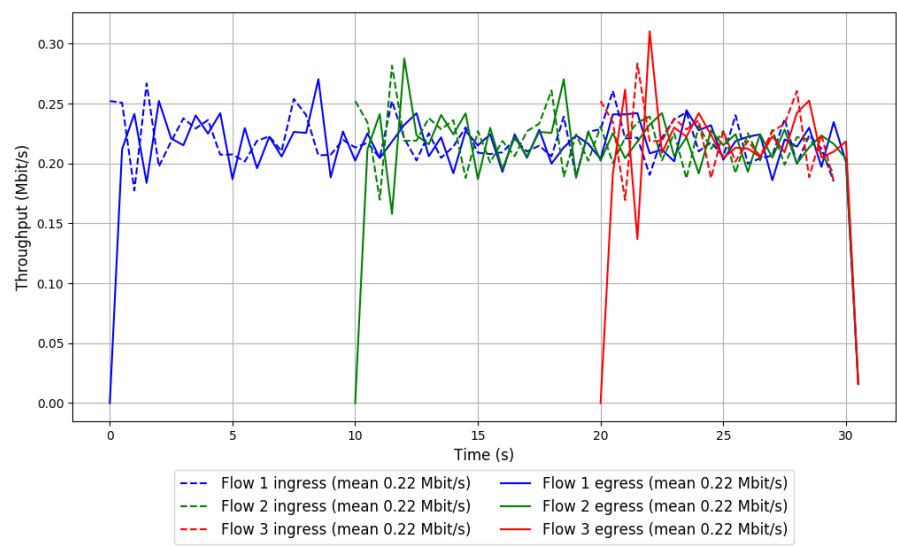
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.567 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: 2018-07-24 14:10:39

End at: 2018-07-24 14:11:09

Local clock offset: -0.187 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.750 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.738 ms

Loss rate: 0.00%

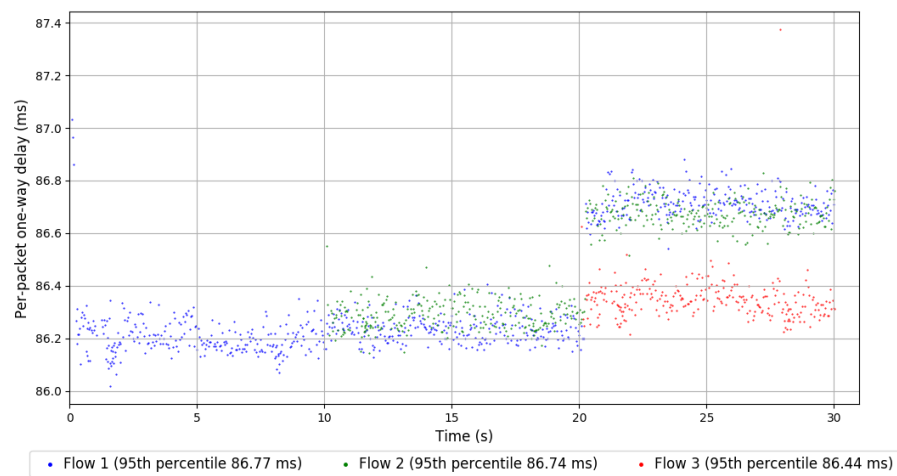
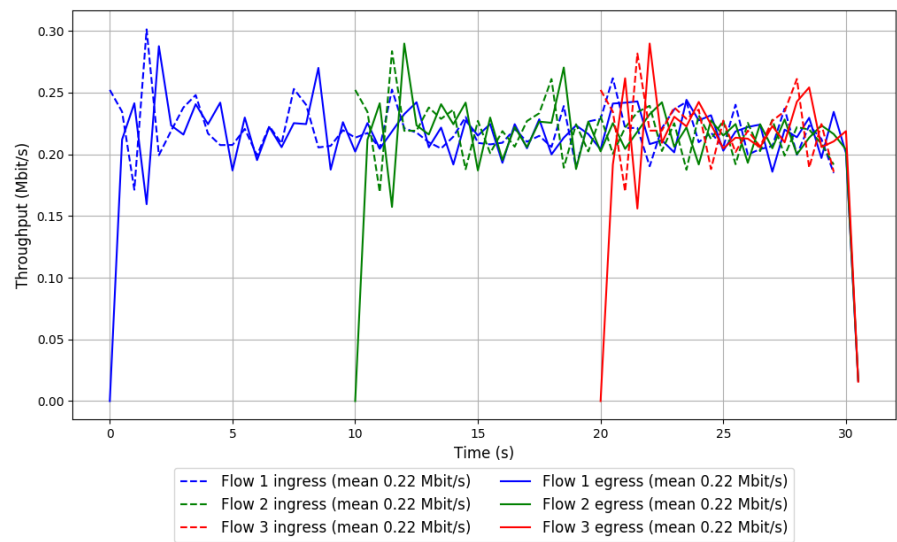
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.442 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

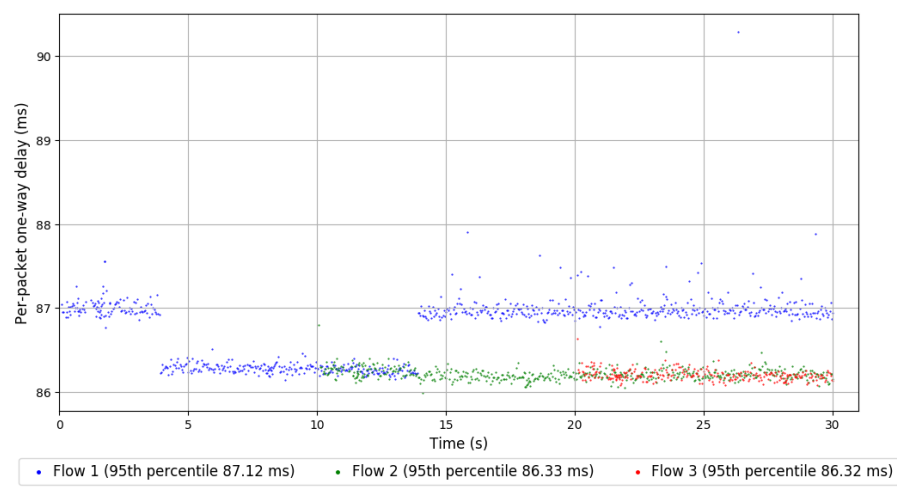
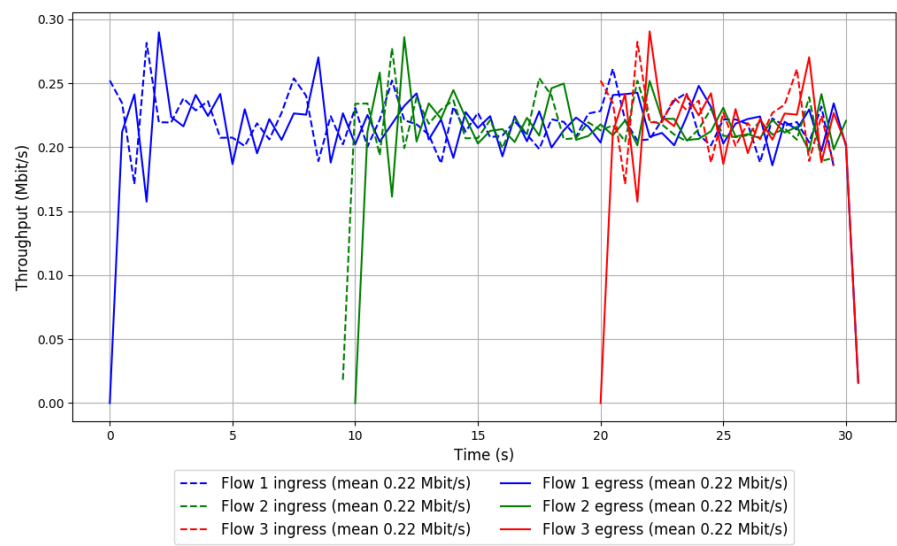


Run 7: Statistics of SReAM

Start at: 2018-07-24 14:41:15
End at: 2018-07-24 14:41:45
Local clock offset: -0.094 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.121 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.327 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.317 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

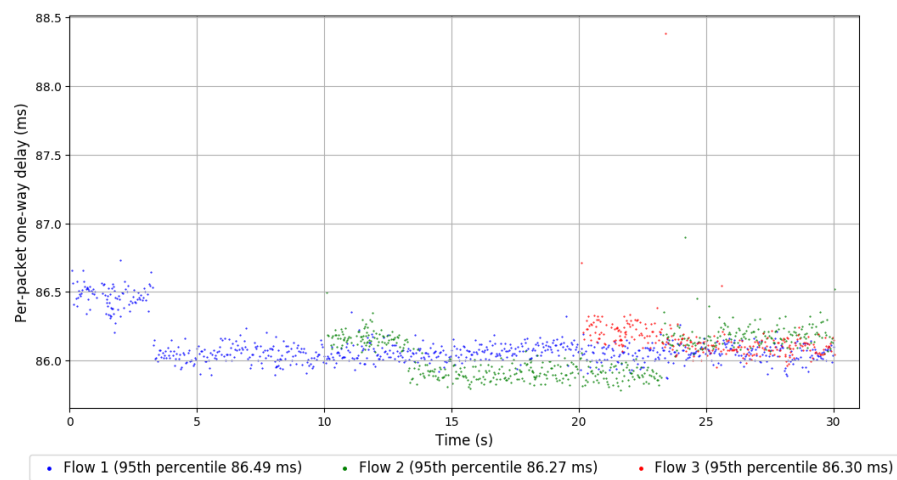
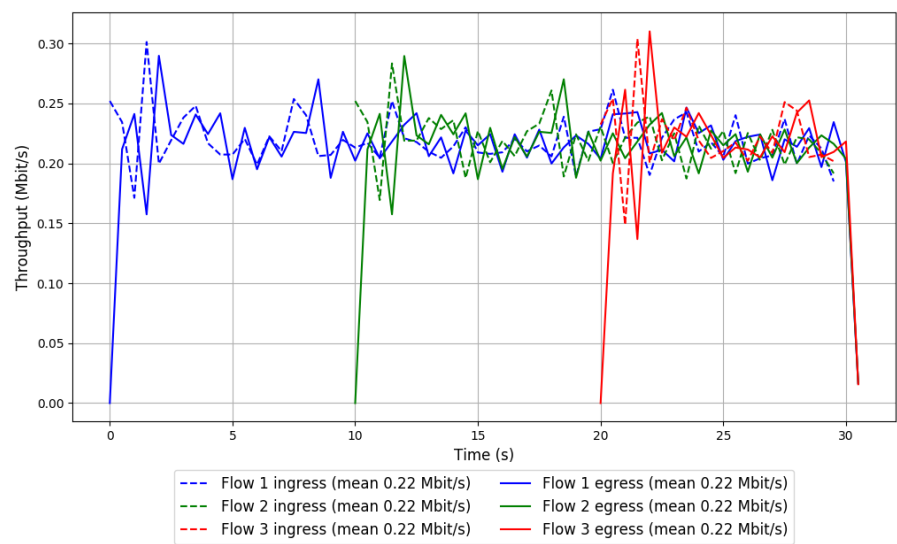


Run 8: Statistics of SReAM

Start at: 2018-07-24 15:11:56
End at: 2018-07-24 15:12:26
Local clock offset: 0.18 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-07-24 19:36:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.266 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.296 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-07-24 15:39:59

End at: 2018-07-24 15:40:29

Local clock offset: 0.088 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at 2018-07-24 19:36:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 86.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.204 ms

Loss rate: 0.00%

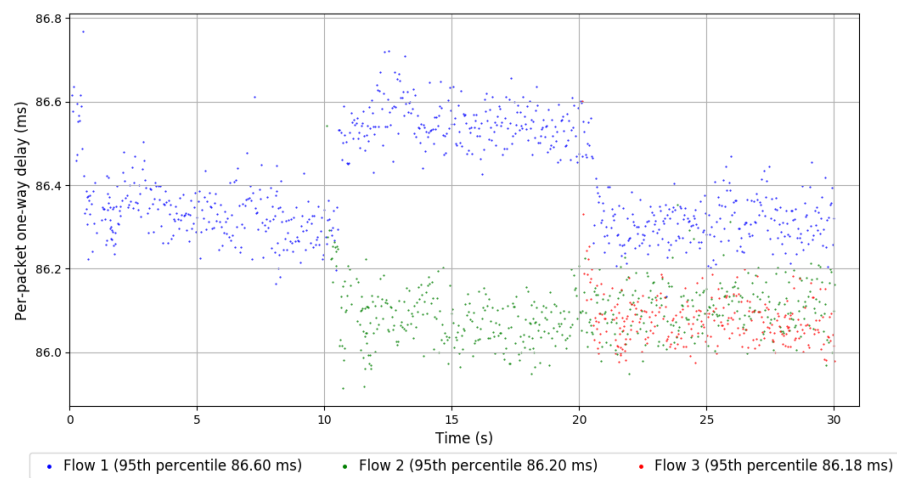
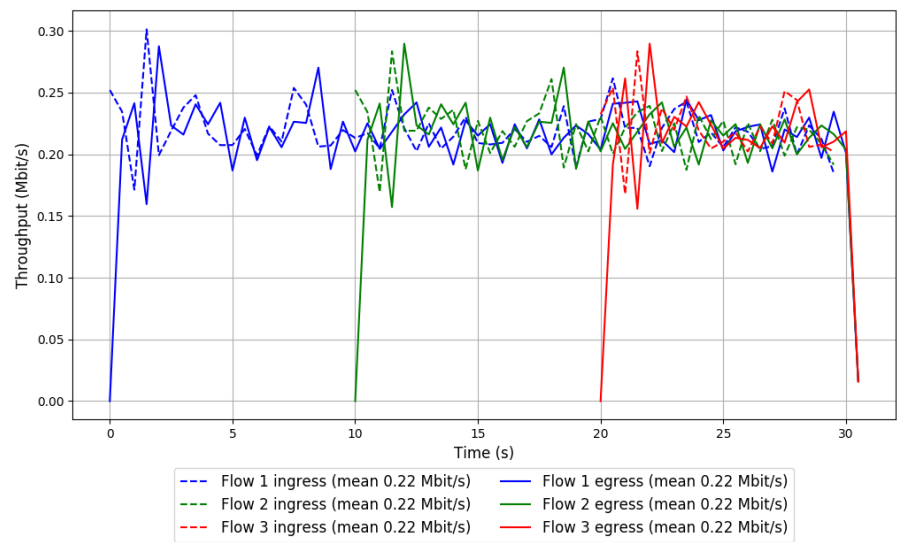
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.181 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

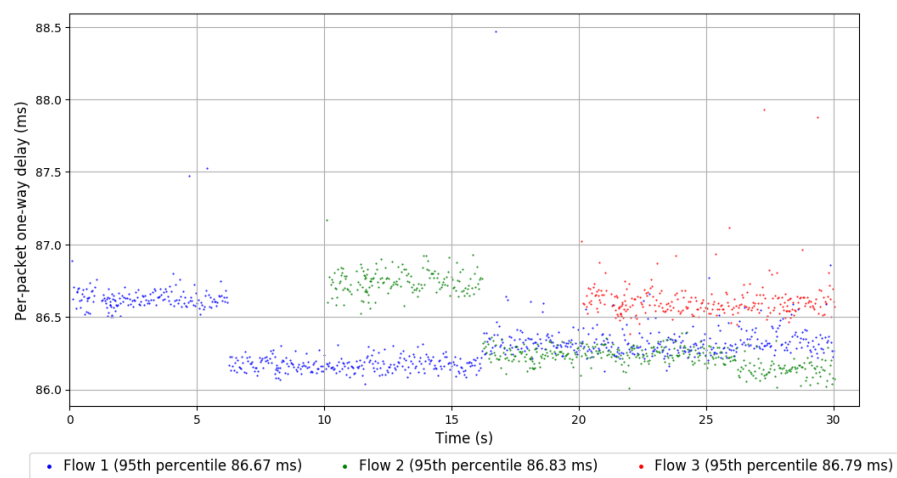
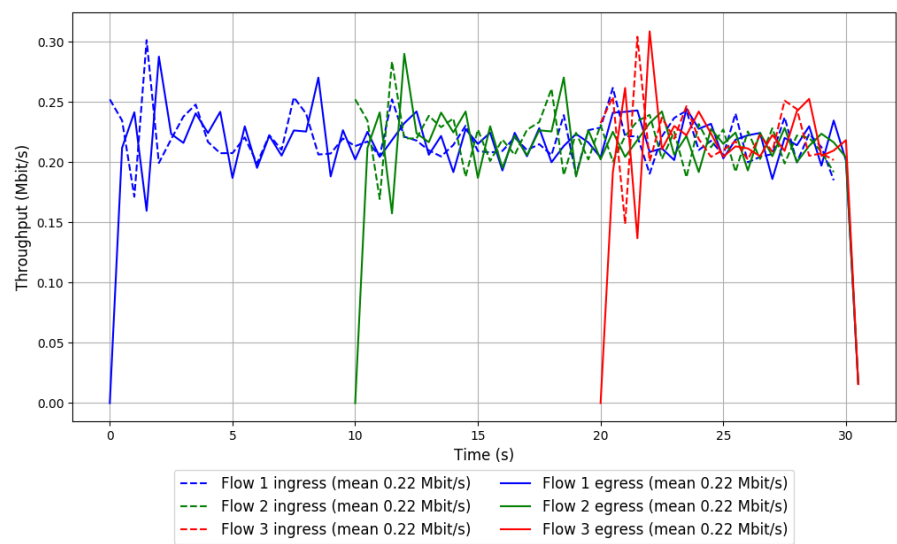


Run 10: Statistics of SReAM

Start at: 2018-07-24 16:08:13
End at: 2018-07-24 16:08:43
Local clock offset: 0.055 ms
Remote clock offset: -0.058 ms

Below is generated by plot.py at 2018-07-24 19:36:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.668 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.826 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.793 ms
Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link

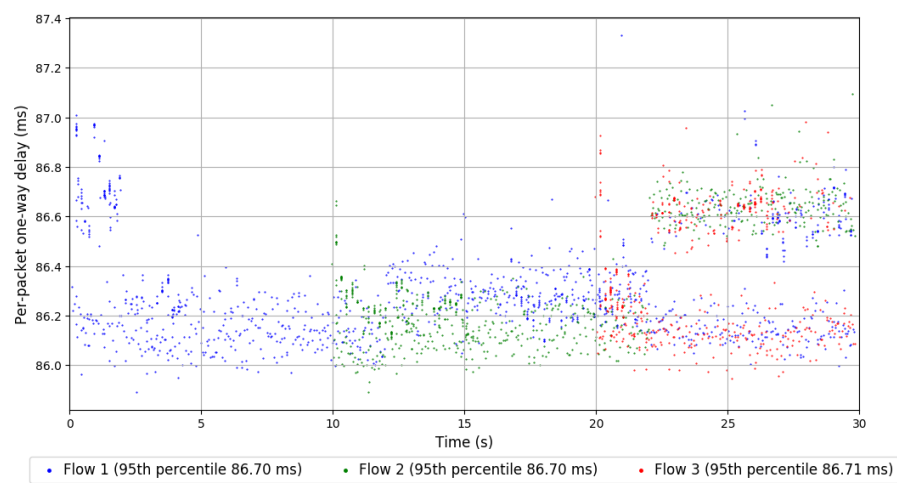
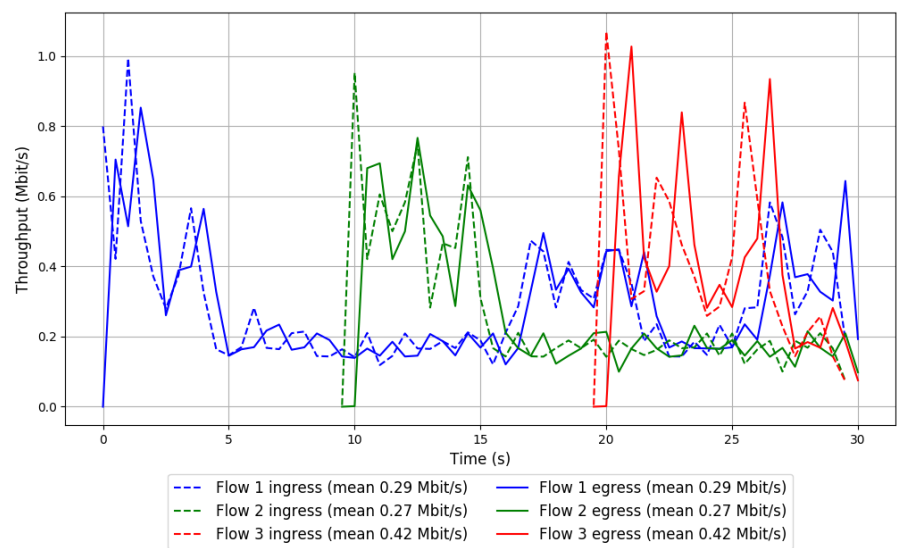


Run 1: Statistics of Sprout

Start at: 2018-07-24 11:55:57
End at: 2018-07-24 11:56:27
Local clock offset: 0.004 ms
Remote clock offset: -0.296 ms

Below is generated by plot.py at 2018-07-24 19:36:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 86.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.705 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.703 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 86.713 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

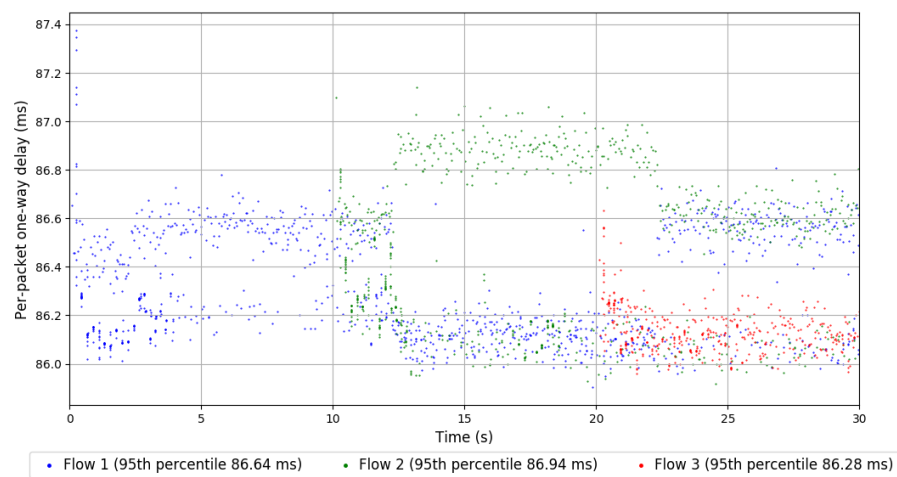
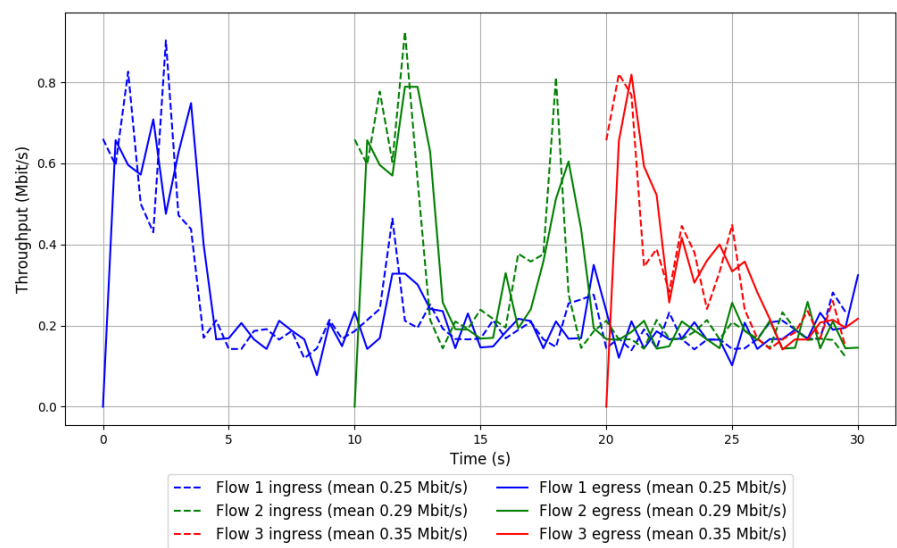


Run 2: Statistics of Sprout

Start at: 2018-07-24 12:24:37
End at: 2018-07-24 12:25:07
Local clock offset: -0.014 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-07-24 19:36:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.878 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.639 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.936 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

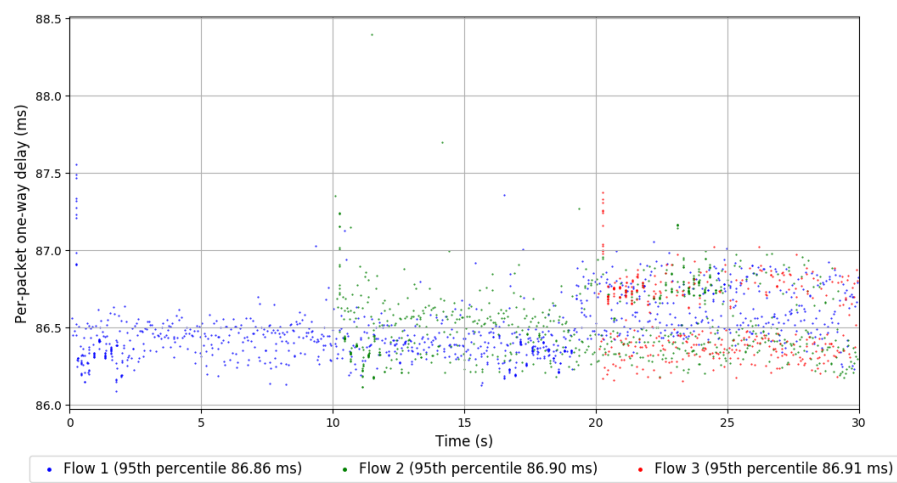
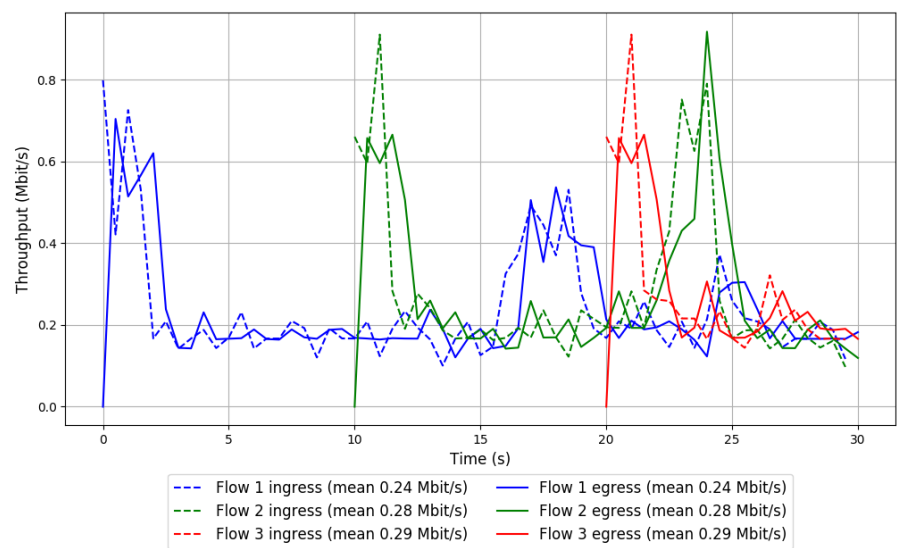


Run 3: Statistics of Sprout

Start at: 2018-07-24 12:52:20
End at: 2018-07-24 12:52:50
Local clock offset: -0.081 ms
Remote clock offset: 0.048 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.903 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.906 ms
Loss rate: 0.00%
```


Run 3: Report of Sprout — Data Link

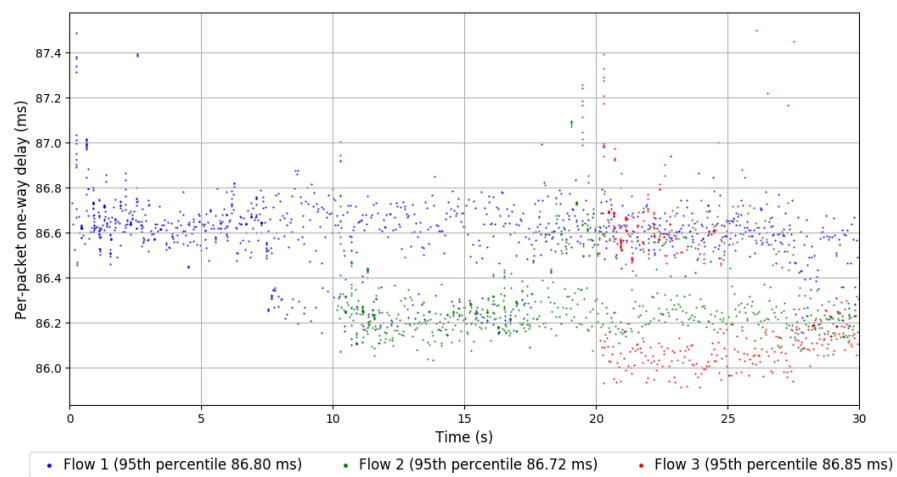
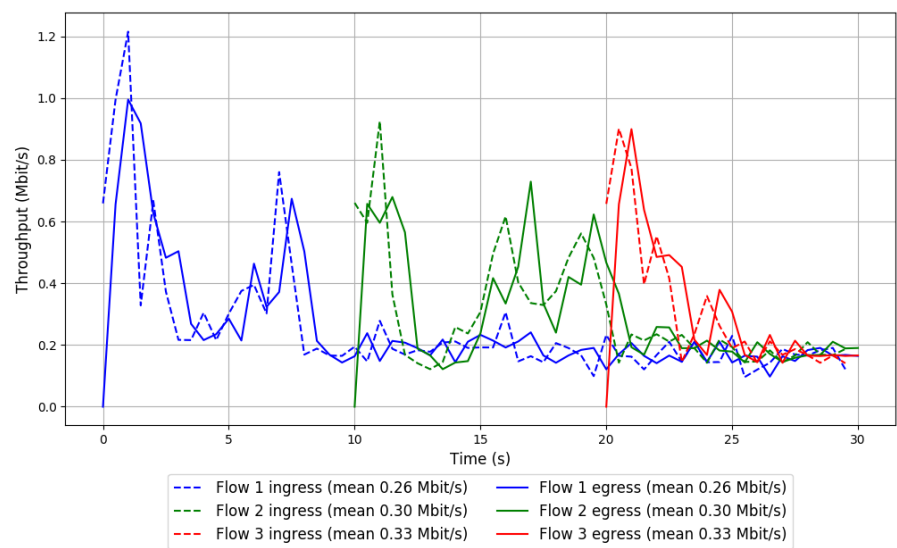


Run 4: Statistics of Sprout

Start at: 2018-07-24 13:18:21
End at: 2018-07-24 13:18:51
Local clock offset: -0.004 ms
Remote clock offset: -0.002 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 86.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.795 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 86.853 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

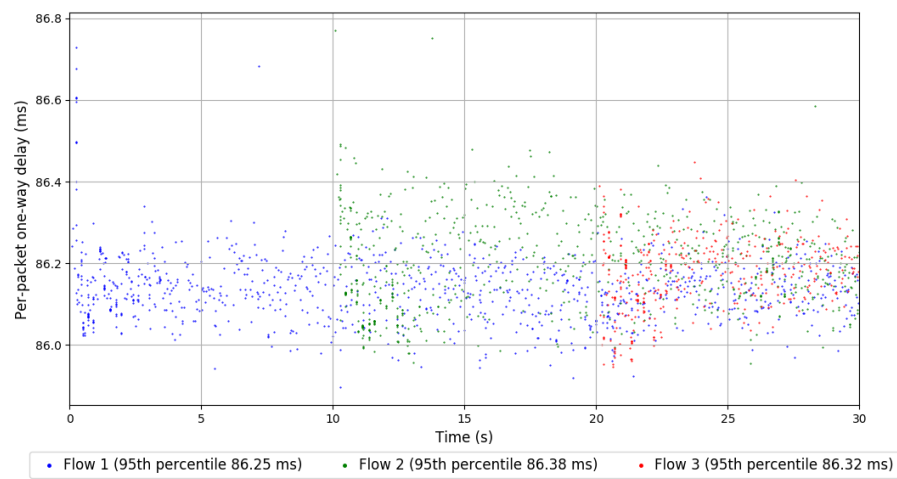
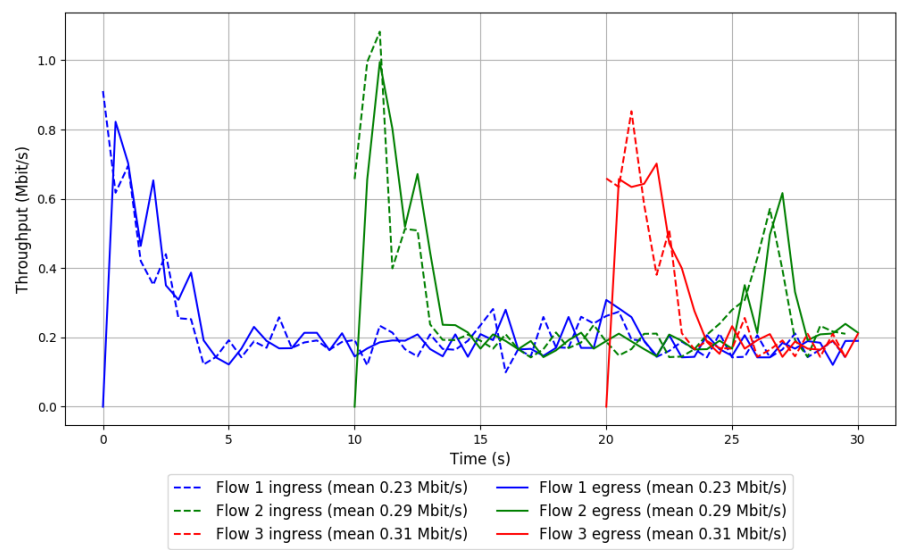


Run 5: Statistics of Sprout

Start at: 2018-07-24 13:44:27
End at: 2018-07-24 13:44:57
Local clock offset: 0.083 ms
Remote clock offset: -0.023 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 86.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.253 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 86.383 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 86.320 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-07-24 14:11:50

End at: 2018-07-24 14:12:20

Local clock offset: 0.038 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at 2018-07-24 19:36:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 86.699 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 86.543 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 86.726 ms

Loss rate: 0.00%

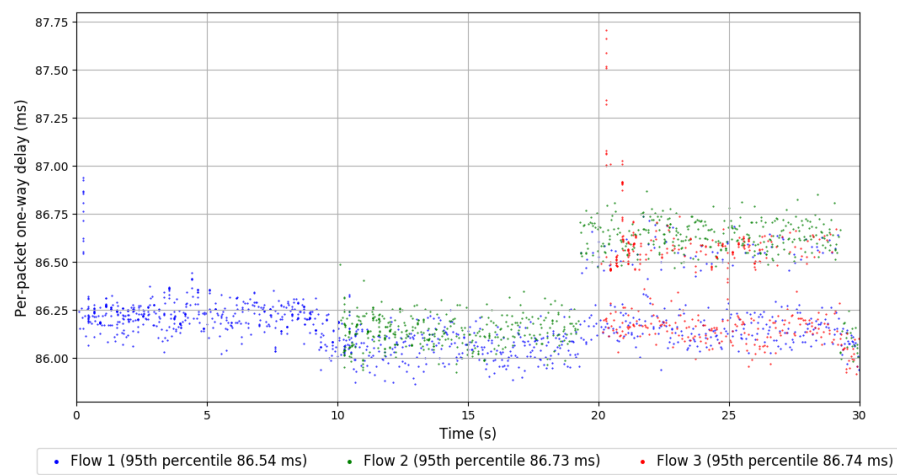
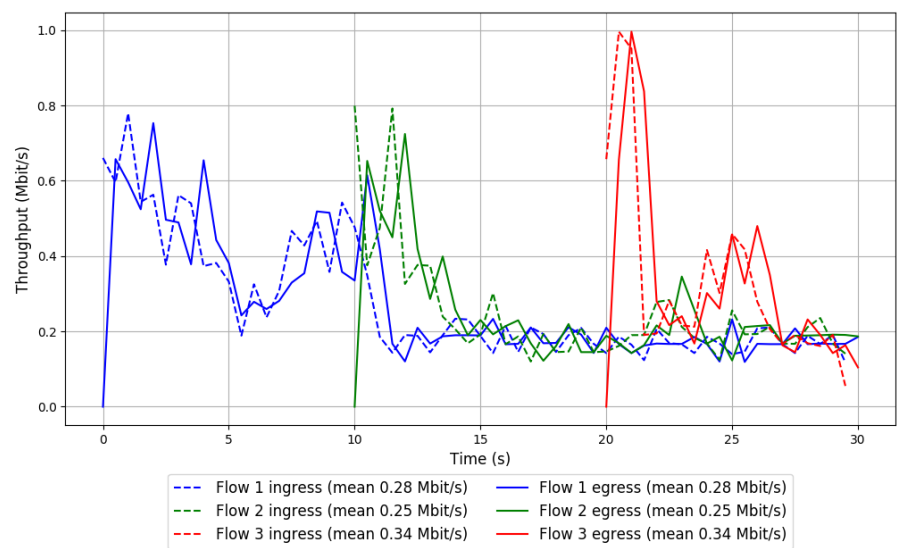
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 86.739 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

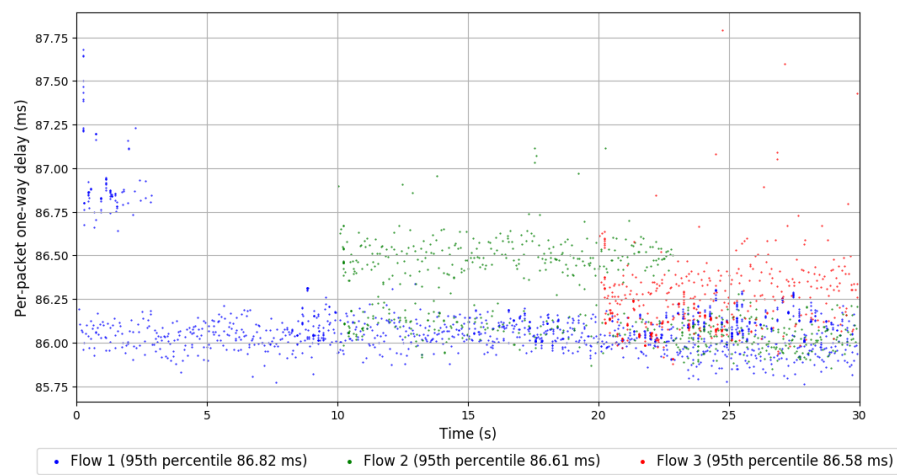
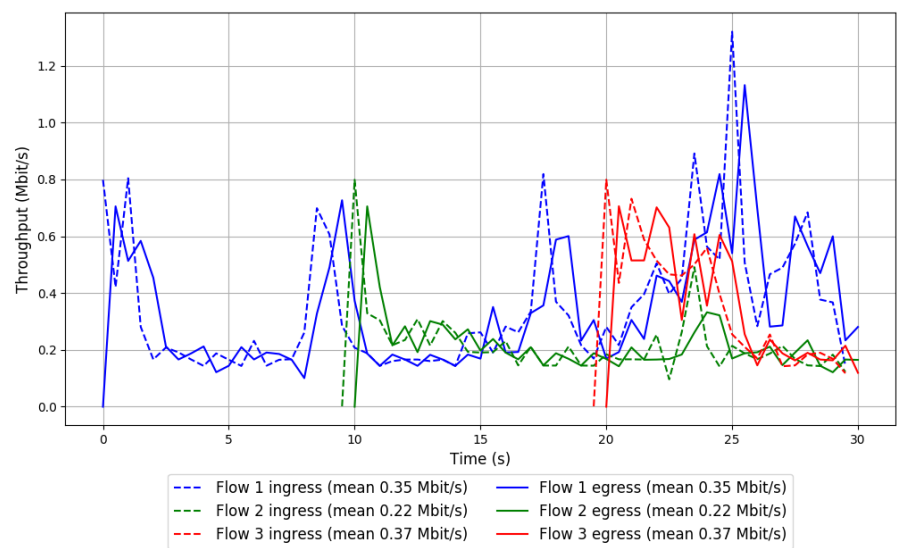


Run 7: Statistics of Sprout

Start at: 2018-07-24 14:42:26
End at: 2018-07-24 14:42:56
Local clock offset: 0.1 ms
Remote clock offset: -0.023 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 86.646 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 86.816 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.606 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 86.583 ms
Loss rate: 0.00%
```


Run 7: Report of Sprout — Data Link

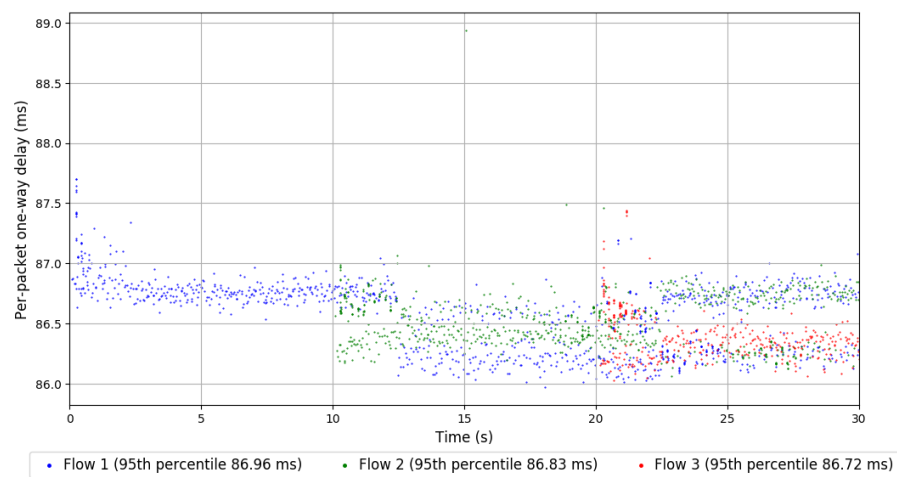
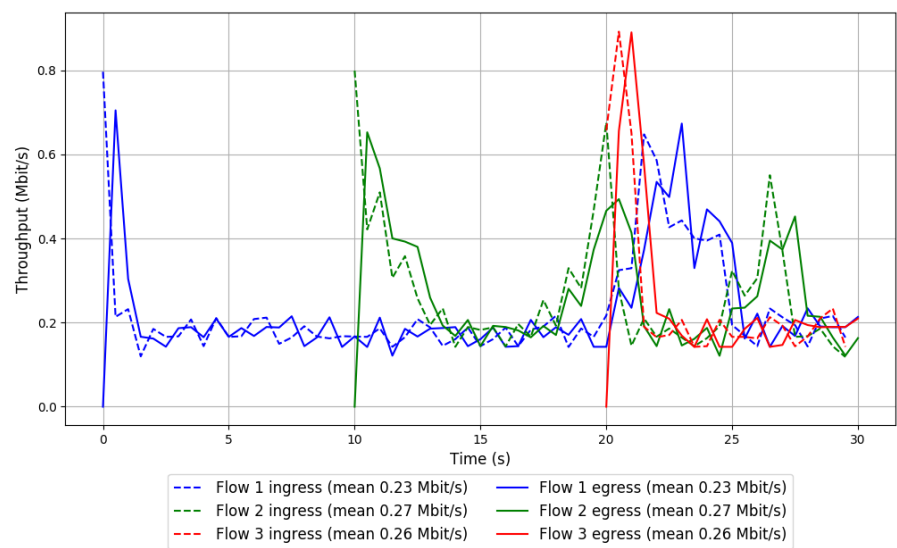


Run 8: Statistics of Sprout

Start at: 2018-07-24 15:13:07
End at: 2018-07-24 15:13:37
Local clock offset: -0.08 ms
Remote clock offset: -0.101 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 86.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 86.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.829 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.721 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

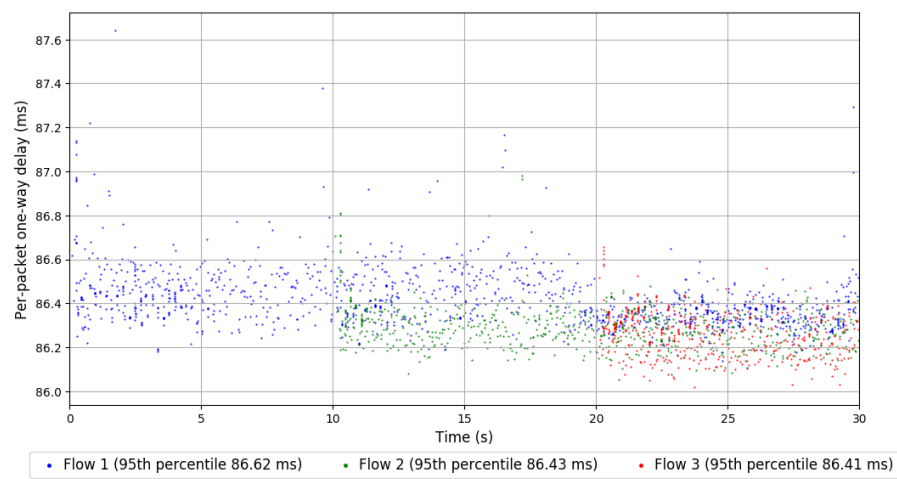
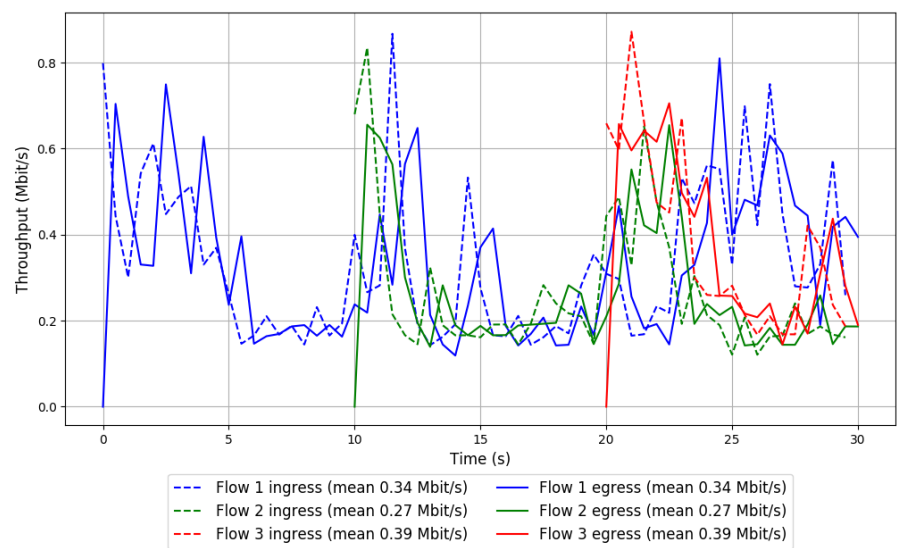


Run 9: Statistics of Sprout

Start at: 2018-07-24 15:41:10
End at: 2018-07-24 15:41:40
Local clock offset: -0.086 ms
Remote clock offset: 0.048 ms

```
# Below is generated by plot.py at 2018-07-24 19:36:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 86.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 86.625 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.428 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 86.411 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

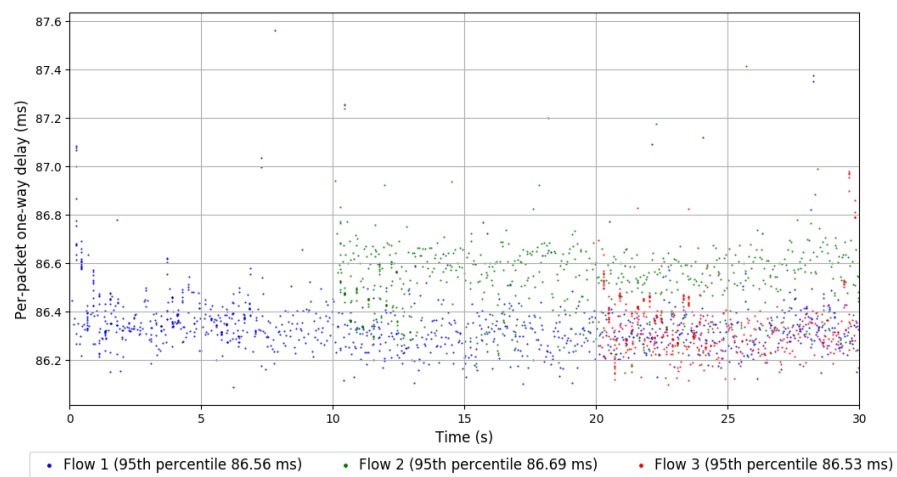
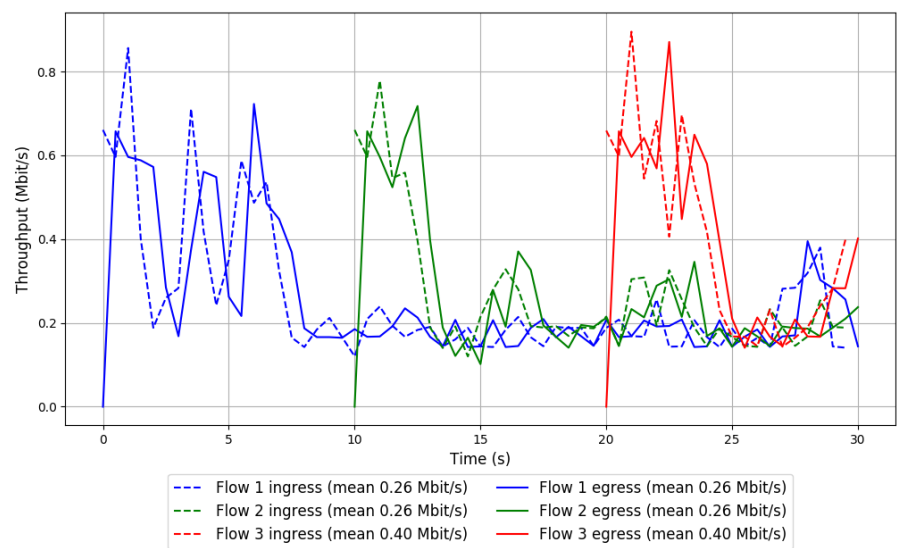


Run 10: Statistics of Sprout

Start at: 2018-07-24 16:09:24
End at: 2018-07-24 16:09:54
Local clock offset: 0.041 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-07-24 19:36:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 86.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.560 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 86.693 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 86.528 ms
Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

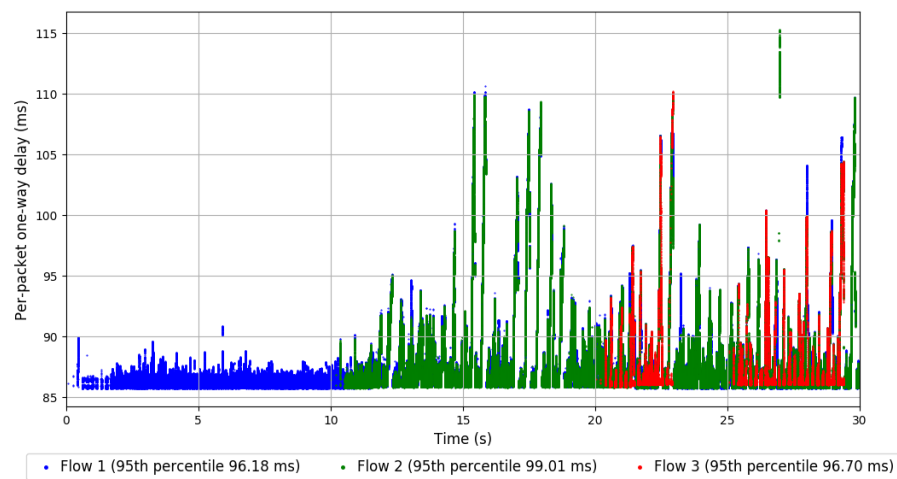
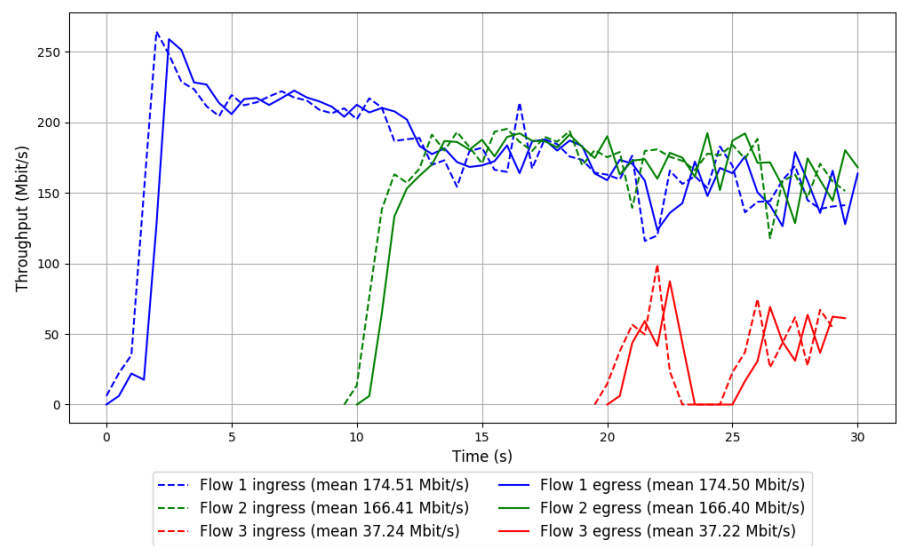


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-24 11:59:17
End at: 2018-07-24 11:59:47
Local clock offset: 0.132 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at 2018-07-24 19:39:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 297.30 Mbit/s
95th percentile per-packet one-way delay: 97.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 174.50 Mbit/s
95th percentile per-packet one-way delay: 96.176 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 166.40 Mbit/s
95th percentile per-packet one-way delay: 99.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 37.22 Mbit/s
95th percentile per-packet one-way delay: 96.696 ms
Loss rate: 0.00%
```


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

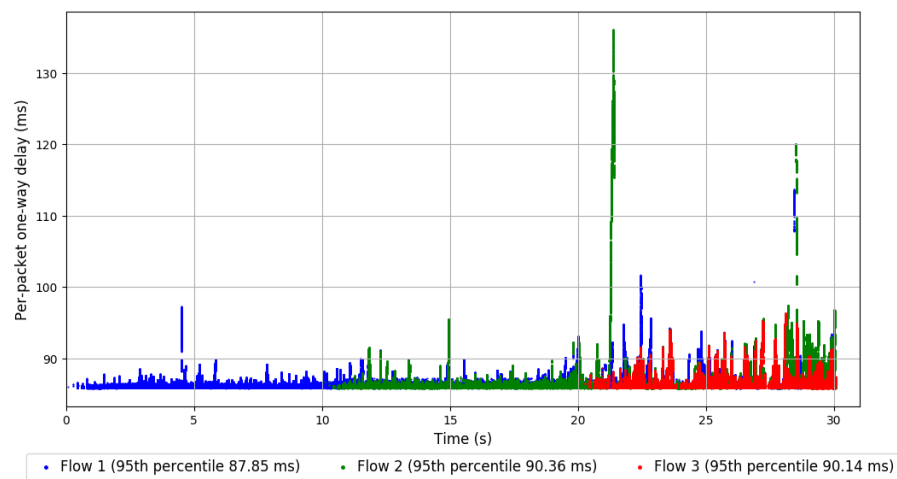
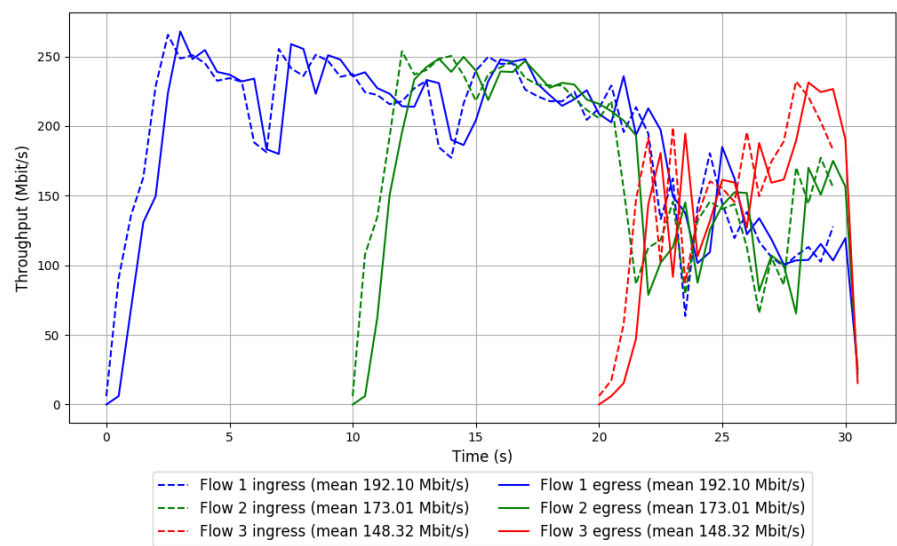


Run 2: Statistics of TaoVA-100x

Start at: 2018-07-24 12:27:50
End at: 2018-07-24 12:28:20
Local clock offset: -0.056 ms
Remote clock offset: -0.271 ms

Below is generated by plot.py at 2018-07-24 19:42:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 356.54 Mbit/s
95th percentile per-packet one-way delay: 89.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.10 Mbit/s
95th percentile per-packet one-way delay: 87.853 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 173.01 Mbit/s
95th percentile per-packet one-way delay: 90.359 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 148.32 Mbit/s
95th percentile per-packet one-way delay: 90.137 ms
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-24 12:55:15

End at: 2018-07-24 12:55:45

Local clock offset: -0.016 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2018-07-24 19:42:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 350.82 Mbit/s

95th percentile per-packet one-way delay: 90.853 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 196.30 Mbit/s

95th percentile per-packet one-way delay: 88.263 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 180.85 Mbit/s

95th percentile per-packet one-way delay: 92.883 ms

Loss rate: 0.00%

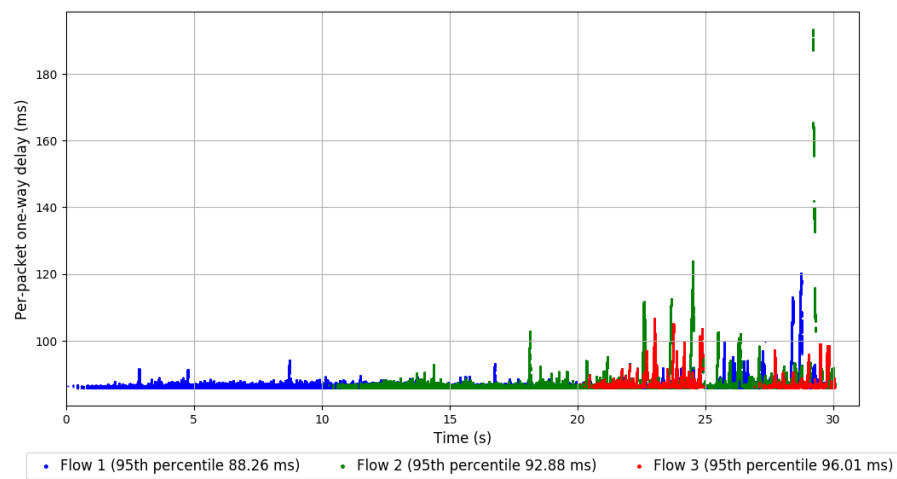
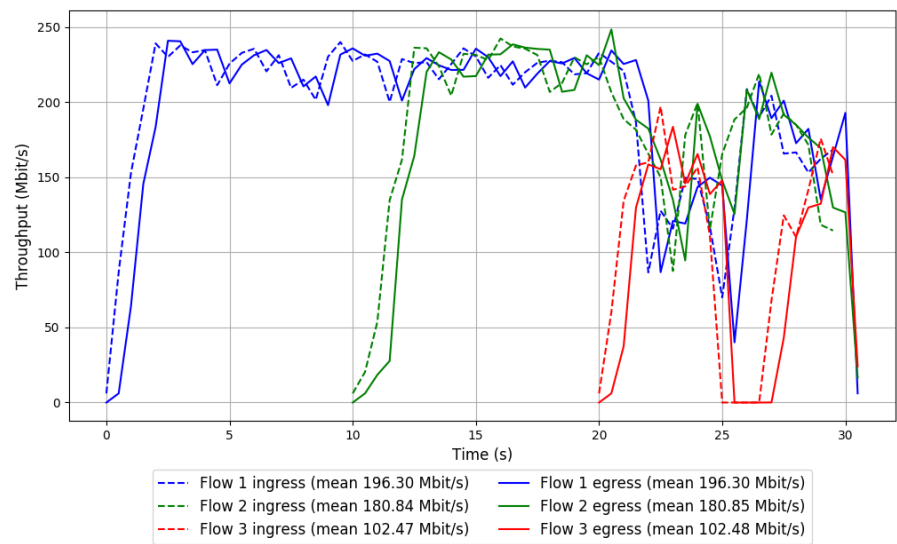
-- Flow 3:

Average throughput: 102.48 Mbit/s

95th percentile per-packet one-way delay: 96.012 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2018-07-24 13:21:20

End at: 2018-07-24 13:21:50

Local clock offset: -0.121 ms

Remote clock offset: 0.04 ms

Below is generated by plot.py at 2018-07-24 19:42:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 319.90 Mbit/s

95th percentile per-packet one-way delay: 89.779 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.17 Mbit/s

95th percentile per-packet one-way delay: 88.123 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 190.27 Mbit/s

95th percentile per-packet one-way delay: 91.422 ms

Loss rate: 0.00%

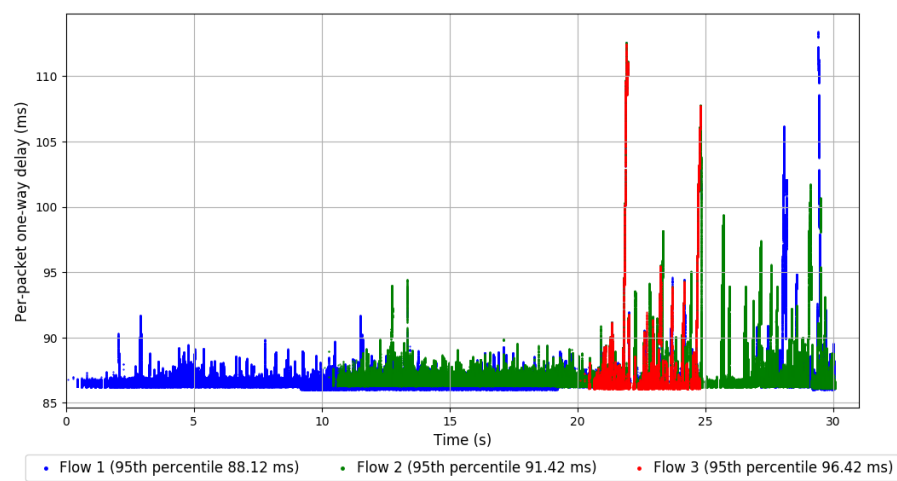
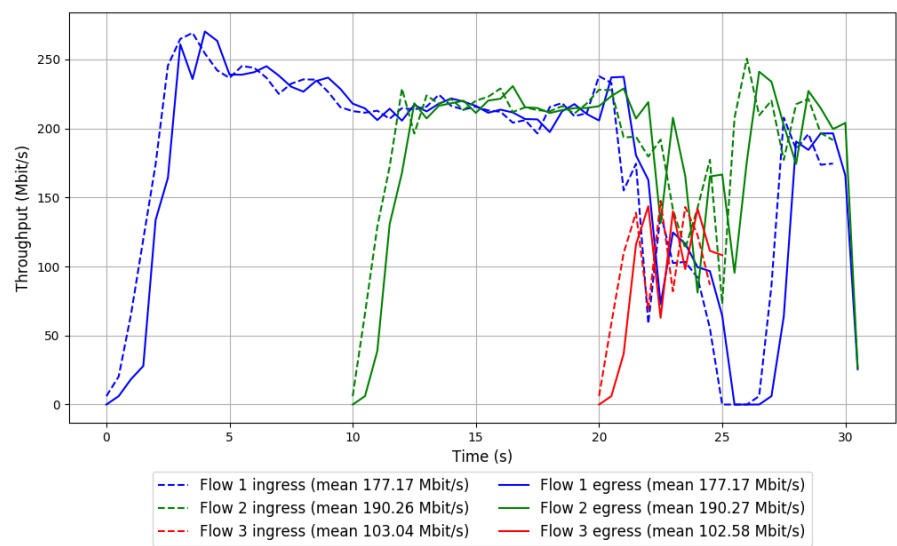
-- Flow 3:

Average throughput: 102.58 Mbit/s

95th percentile per-packet one-way delay: 96.420 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-24 13:47:28

End at: 2018-07-24 13:47:58

Local clock offset: -0.107 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at 2018-07-24 19:44:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 375.65 Mbit/s

95th percentile per-packet one-way delay: 91.407 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 204.79 Mbit/s

95th percentile per-packet one-way delay: 89.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 178.96 Mbit/s

95th percentile per-packet one-way delay: 91.722 ms

Loss rate: 0.01%

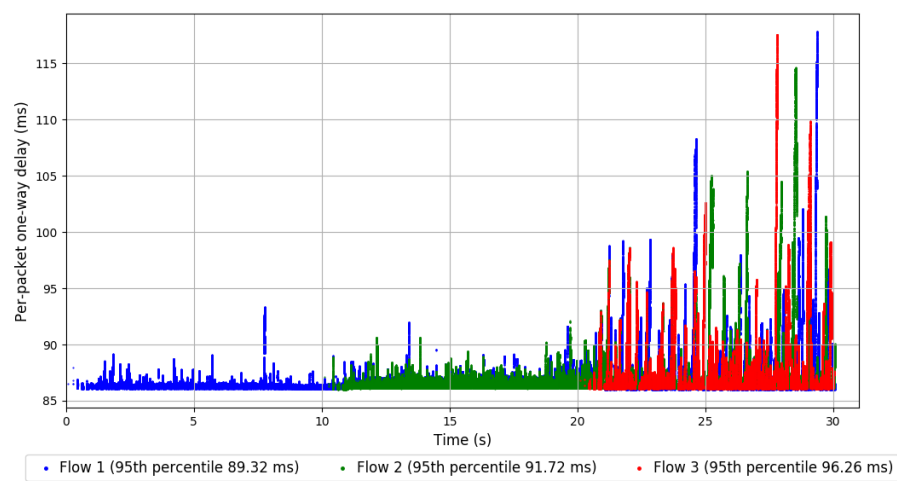
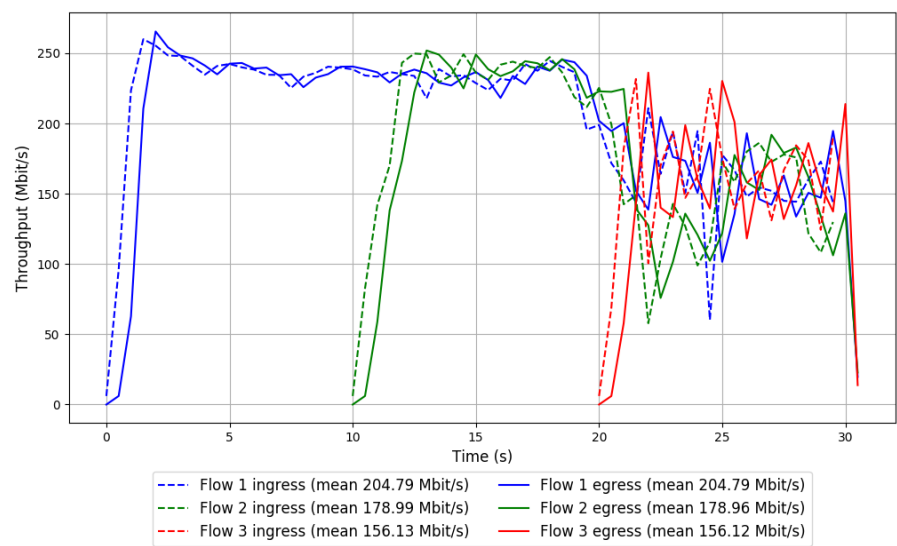
-- Flow 3:

Average throughput: 156.12 Mbit/s

95th percentile per-packet one-way delay: 96.264 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-07-24 14:14:56

End at: 2018-07-24 14:15:26

Local clock offset: -0.148 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-24 19:44:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 368.11 Mbit/s

95th percentile per-packet one-way delay: 89.429 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 205.81 Mbit/s

95th percentile per-packet one-way delay: 88.786 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.68 Mbit/s

95th percentile per-packet one-way delay: 89.430 ms

Loss rate: 0.01%

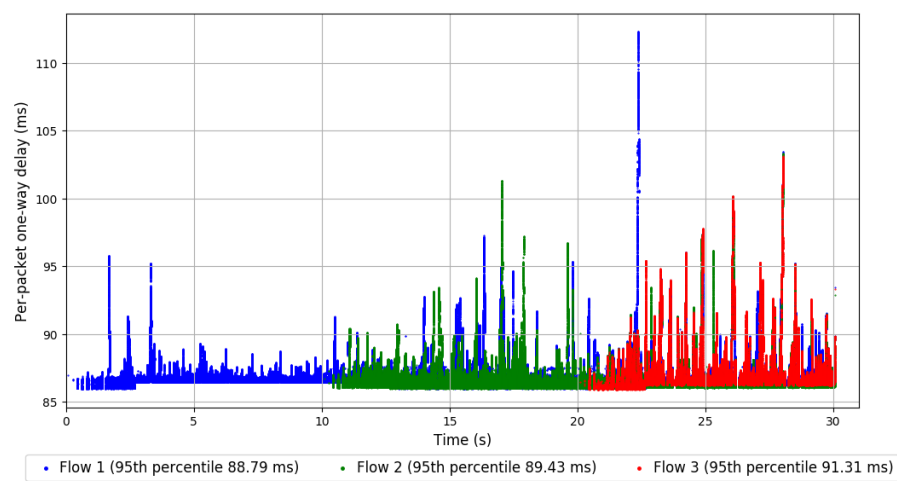
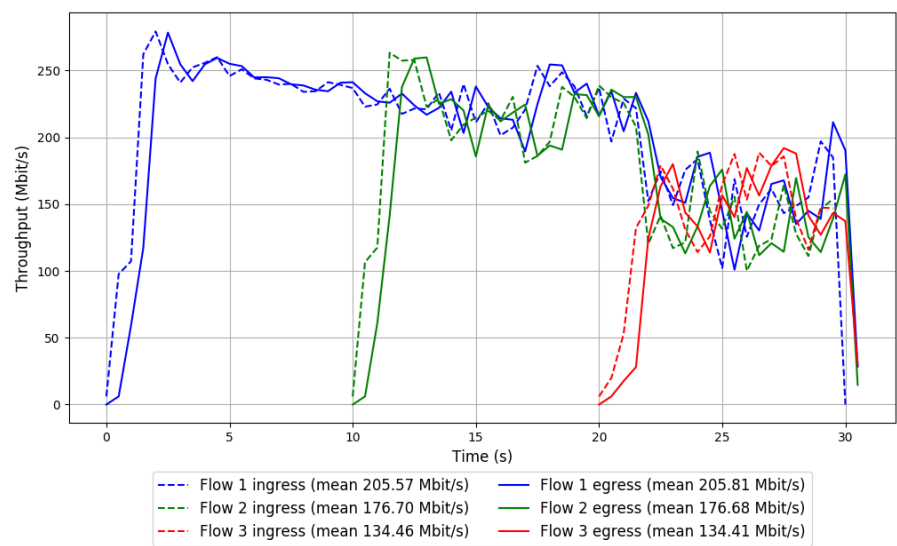
-- Flow 3:

Average throughput: 134.41 Mbit/s

95th percentile per-packet one-way delay: 91.315 ms

Loss rate: 0.03%

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

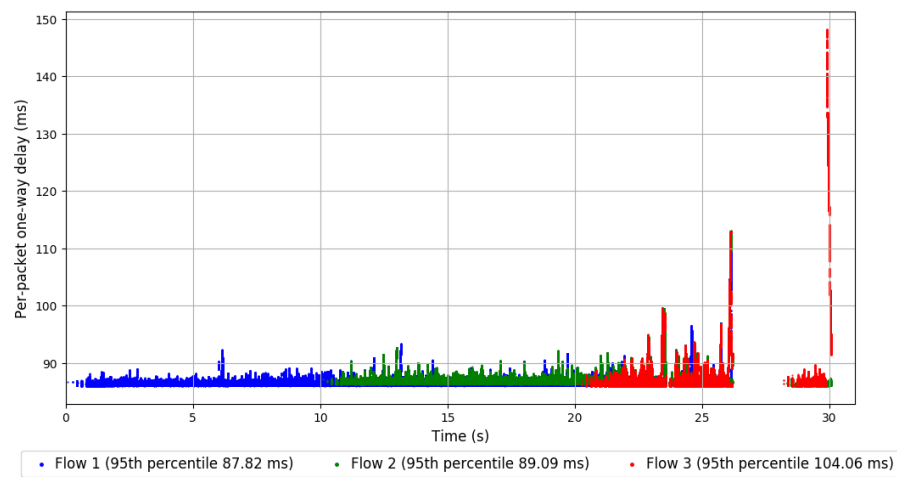
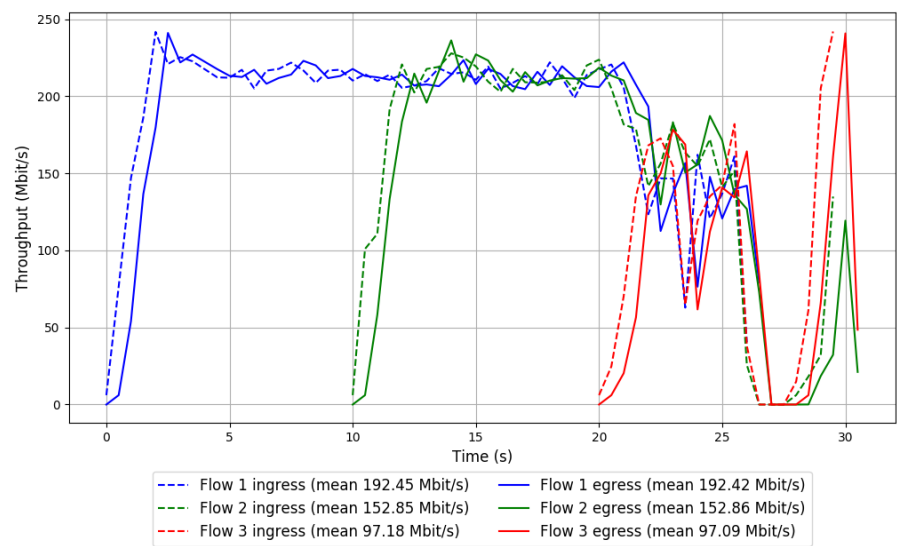


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-24 14:45:53
End at: 2018-07-24 14:46:23
Local clock offset: -0.192 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-24 19:44:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 301.62 Mbit/s
95th percentile per-packet one-way delay: 88.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 192.42 Mbit/s
95th percentile per-packet one-way delay: 87.819 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 152.86 Mbit/s
95th percentile per-packet one-way delay: 89.087 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 97.09 Mbit/s
95th percentile per-packet one-way delay: 104.065 ms
Loss rate: 0.06%

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

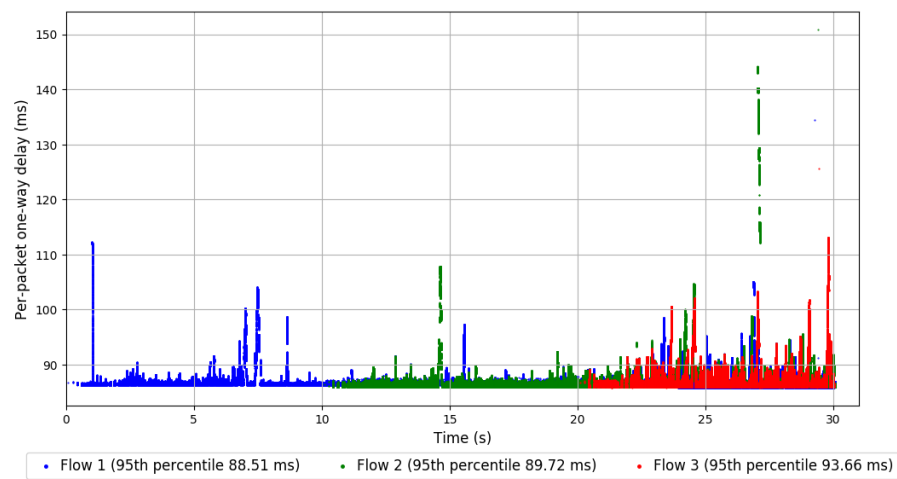
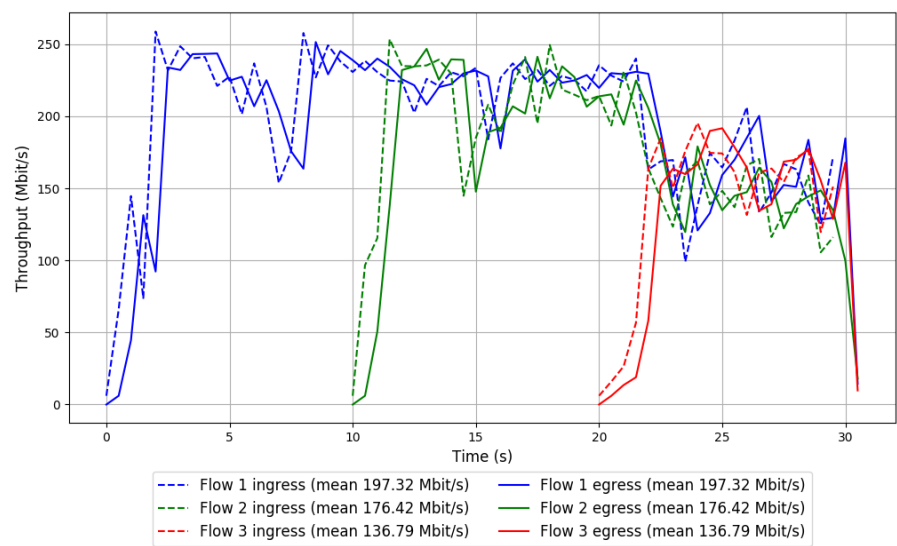


Run 8: Statistics of TaoVA-100x

Start at: 2018-07-24 15:16:15
End at: 2018-07-24 15:16:45
Local clock offset: 0.087 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-24 19:53:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 360.09 Mbit/s
95th percentile per-packet one-way delay: 89.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 197.32 Mbit/s
95th percentile per-packet one-way delay: 88.513 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.42 Mbit/s
95th percentile per-packet one-way delay: 89.718 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 136.79 Mbit/s
95th percentile per-packet one-way delay: 93.659 ms
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-07-24 15:44:10

End at: 2018-07-24 15:44:40

Local clock offset: 0.175 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at 2018-07-24 19:54:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 328.92 Mbit/s

95th percentile per-packet one-way delay: 90.956 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 188.20 Mbit/s

95th percentile per-packet one-way delay: 90.709 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 164.88 Mbit/s

95th percentile per-packet one-way delay: 90.083 ms

Loss rate: 0.00%

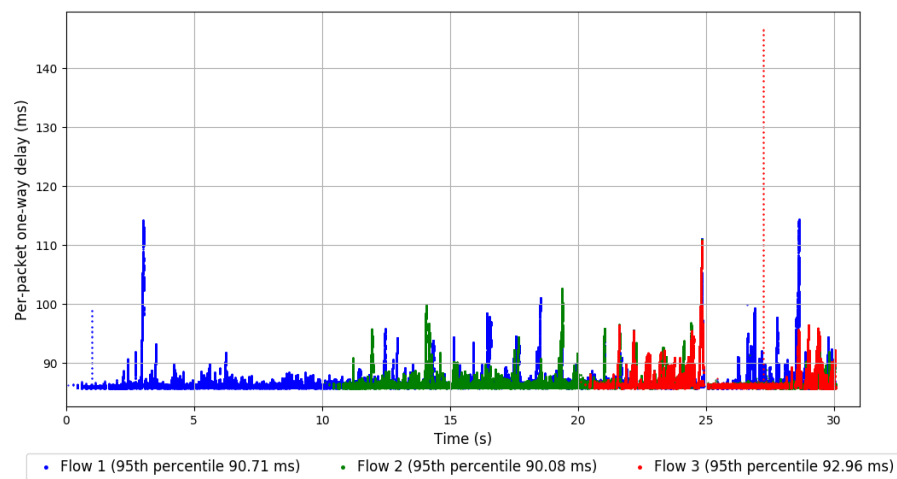
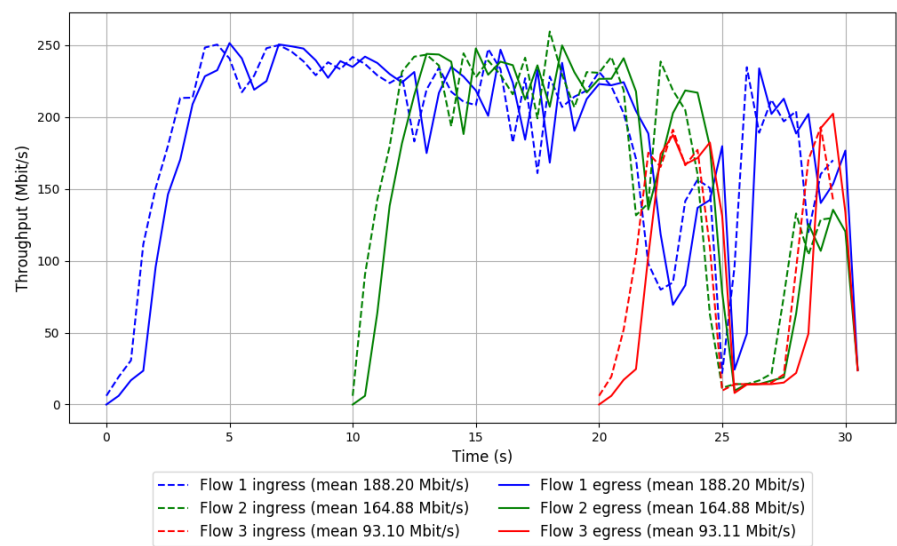
-- Flow 3:

Average throughput: 93.11 Mbit/s

95th percentile per-packet one-way delay: 92.958 ms

Loss rate: 0.00%

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

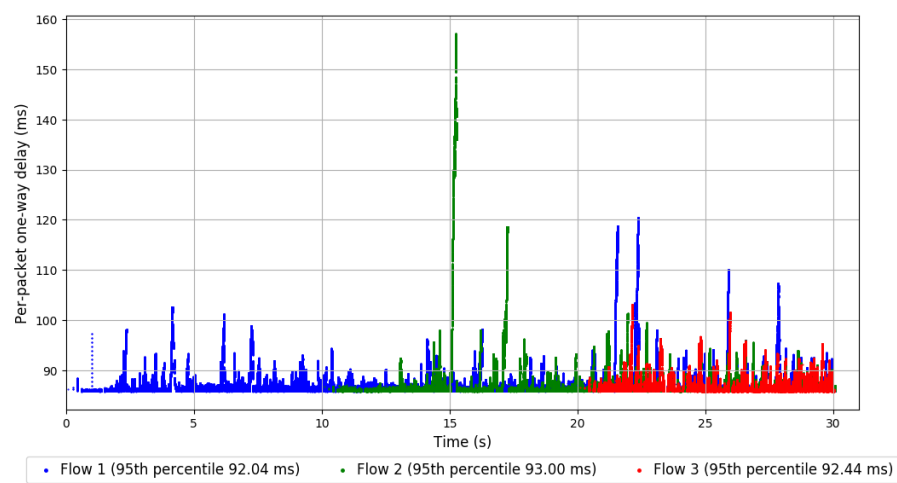
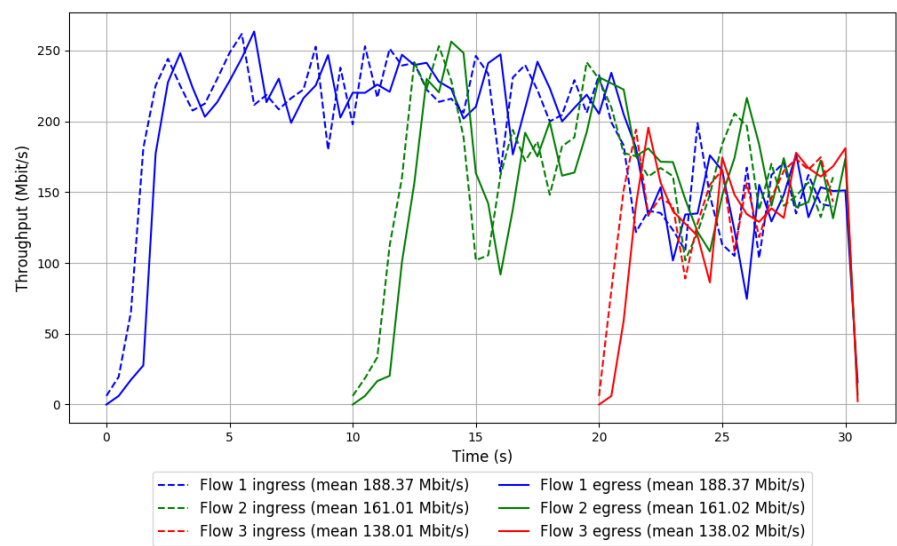


Run 10: Statistics of TaoVA-100x

Start at: 2018-07-24 16:12:25
End at: 2018-07-24 16:12:55
Local clock offset: -0.01 ms
Remote clock offset: -0.106 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 341.34 Mbit/s
95th percentile per-packet one-way delay: 92.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 188.37 Mbit/s
95th percentile per-packet one-way delay: 92.042 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 161.02 Mbit/s
95th percentile per-packet one-way delay: 92.997 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 138.02 Mbit/s
95th percentile per-packet one-way delay: 92.438 ms
Loss rate: 0.00%

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

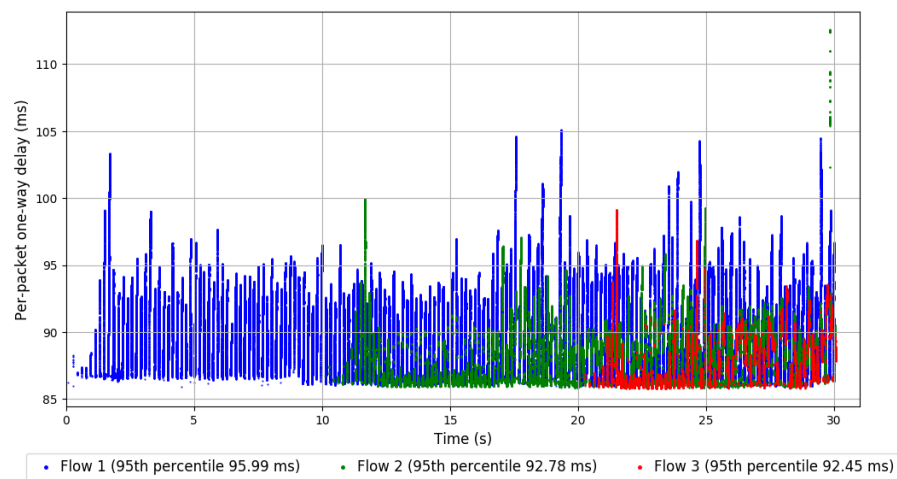
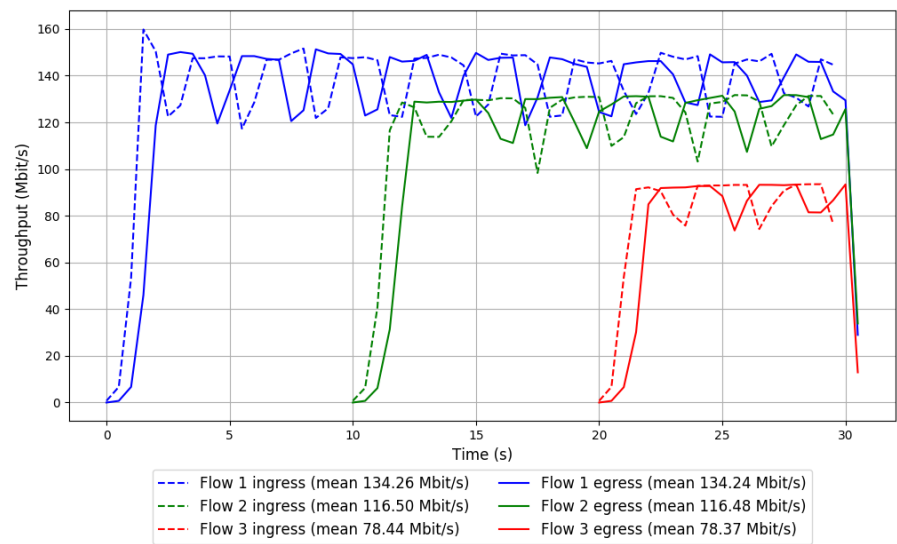


Run 1: Statistics of TCP Vegas

Start at: 2018-07-24 12:07:30
End at: 2018-07-24 12:08:00
Local clock offset: 0.021 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 237.71 Mbit/s
95th percentile per-packet one-way delay: 95.172 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 134.24 Mbit/s
95th percentile per-packet one-way delay: 95.990 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 116.48 Mbit/s
95th percentile per-packet one-way delay: 92.783 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 92.454 ms
Loss rate: 0.08%

Run 1: Report of TCP Vegas — Data Link

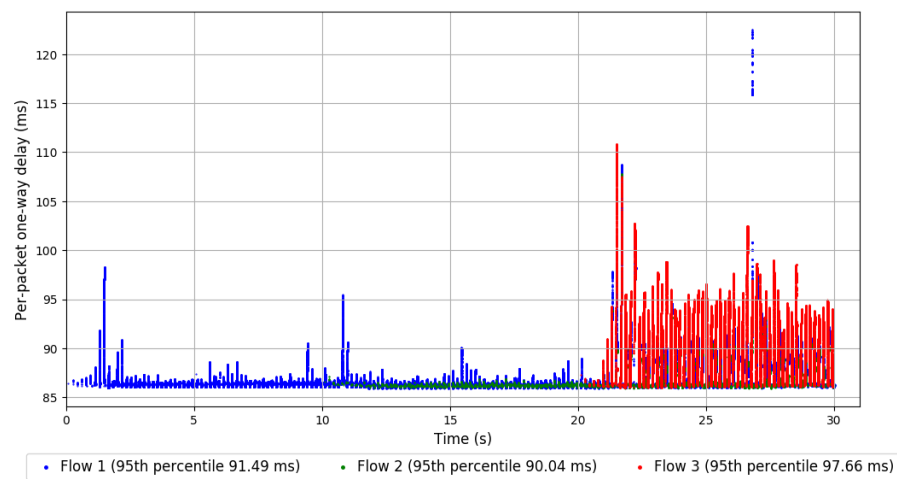
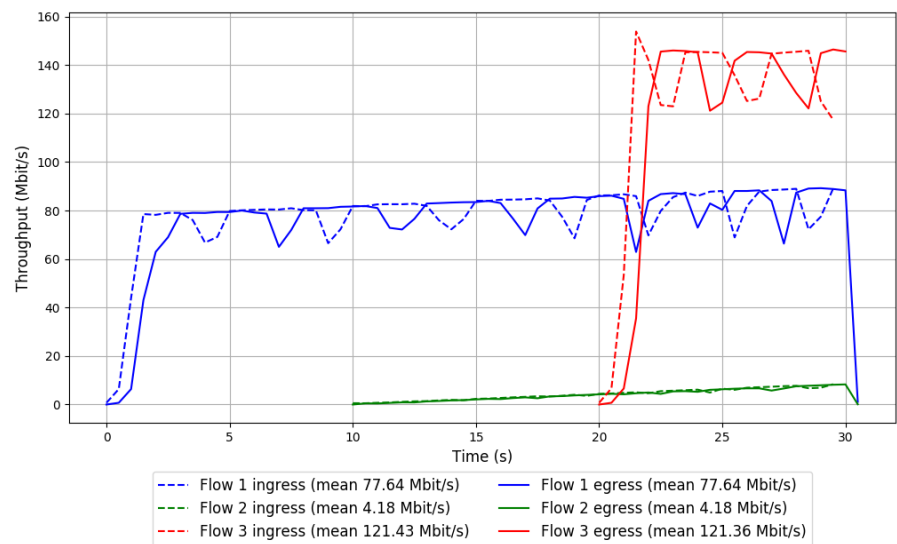


Run 2: Statistics of TCP Vegas

Start at: 2018-07-24 12:35:57
End at: 2018-07-24 12:36:27
Local clock offset: -0.143 ms
Remote clock offset: -0.126 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 120.37 Mbit/s
95th percentile per-packet one-way delay: 95.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 91.488 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 90.040 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 121.36 Mbit/s
95th percentile per-packet one-way delay: 97.661 ms
Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

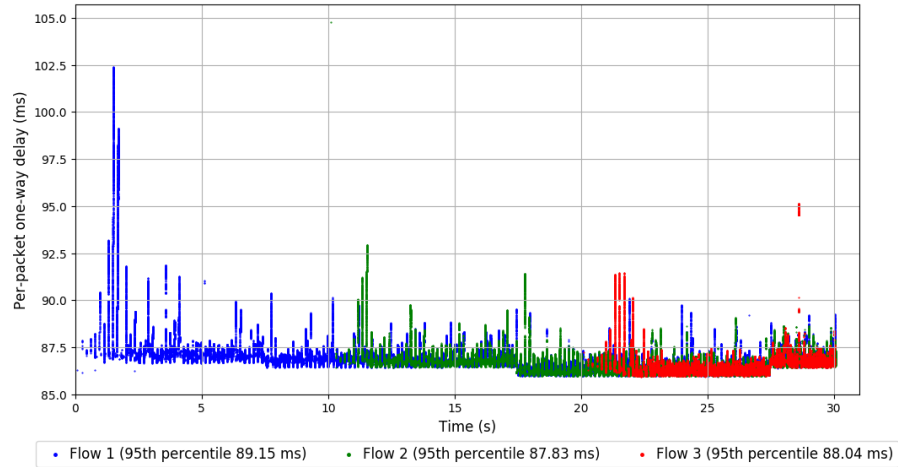
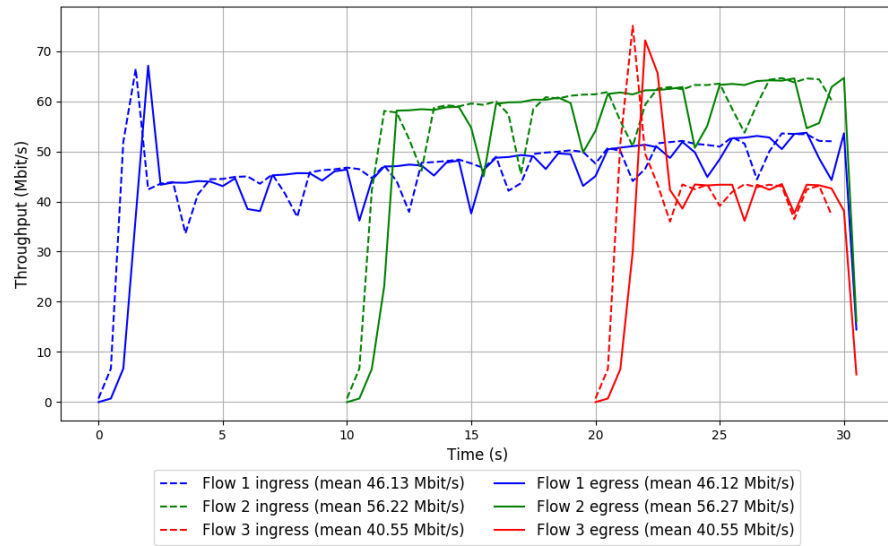


Run 3: Statistics of TCP Vegas

Start at: 2018-07-24 13:02:22
End at: 2018-07-24 13:02:52
Local clock offset: -0.105 ms
Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.97 Mbit/s
95th percentile per-packet one-way delay: 88.523 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.12 Mbit/s
95th percentile per-packet one-way delay: 89.146 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 56.27 Mbit/s
95th percentile per-packet one-way delay: 87.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.55 Mbit/s
95th percentile per-packet one-way delay: 88.037 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2018-07-24 13:28:21

End at: 2018-07-24 13:28:51

Local clock offset: 0.015 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at 2018-07-24 19:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 117.68 Mbit/s

95th percentile per-packet one-way delay: 96.429 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 93.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 64.19 Mbit/s

95th percentile per-packet one-way delay: 92.976 ms

Loss rate: 0.00%

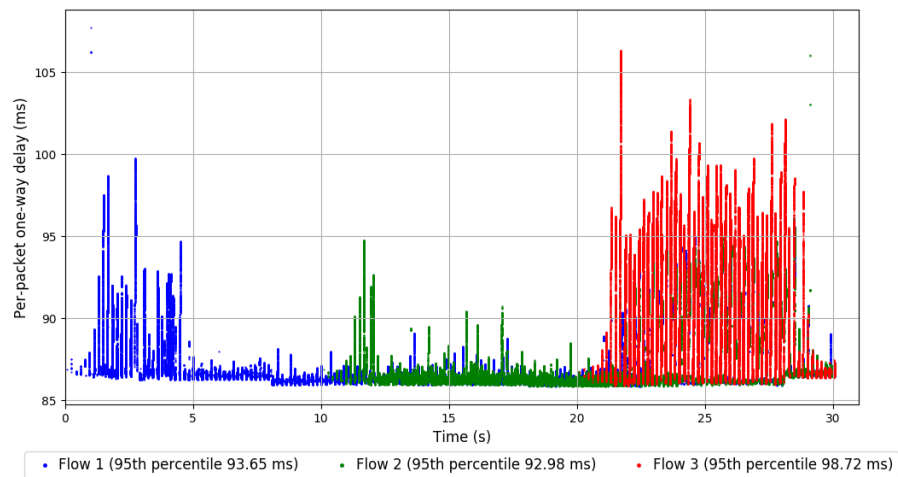
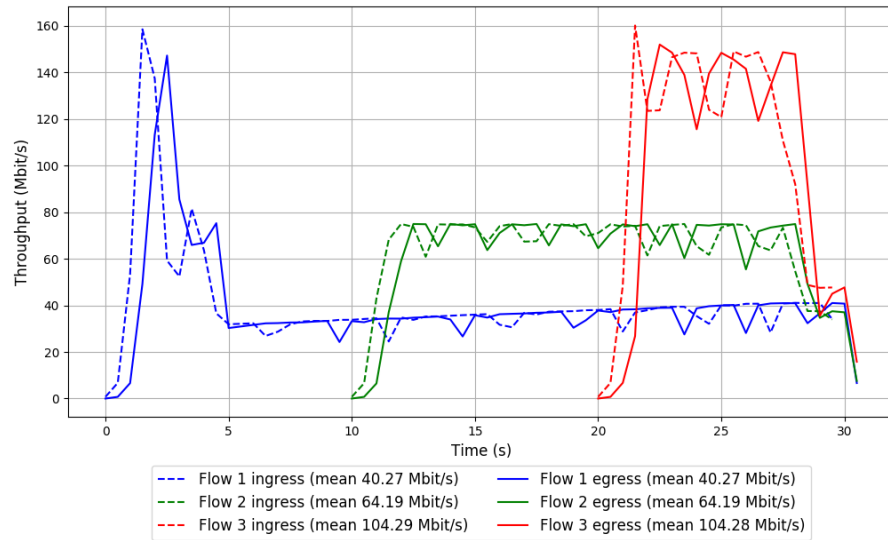
-- Flow 3:

Average throughput: 104.28 Mbit/s

95th percentile per-packet one-way delay: 98.722 ms

Loss rate: 0.02%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-07-24 13:54:25

End at: 2018-07-24 13:54:55

Local clock offset: 0.162 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-07-24 19:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 115.20 Mbit/s

95th percentile per-packet one-way delay: 89.081 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 88.844 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 88.826 ms

Loss rate: 0.00%

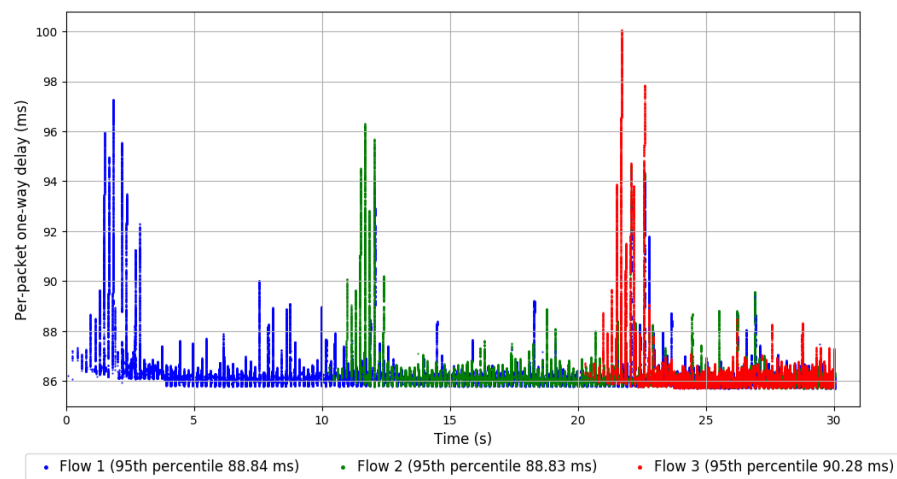
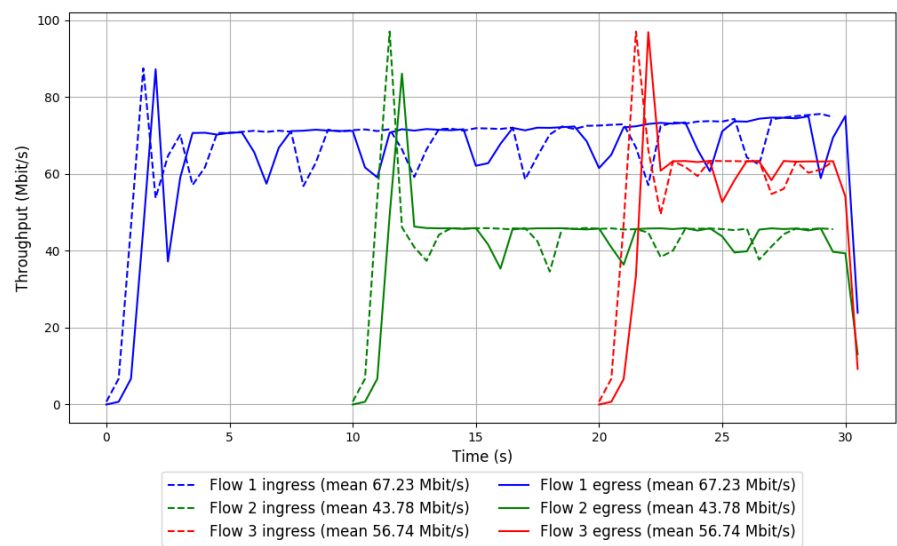
-- Flow 3:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 90.280 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

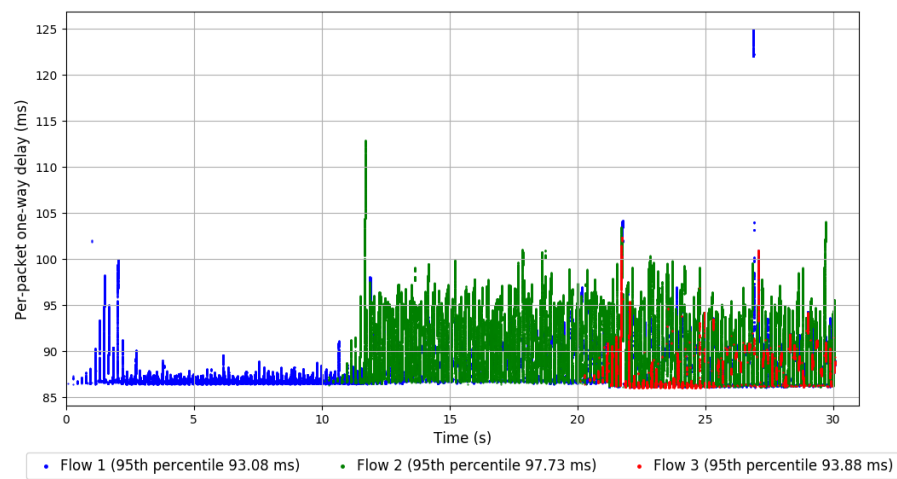
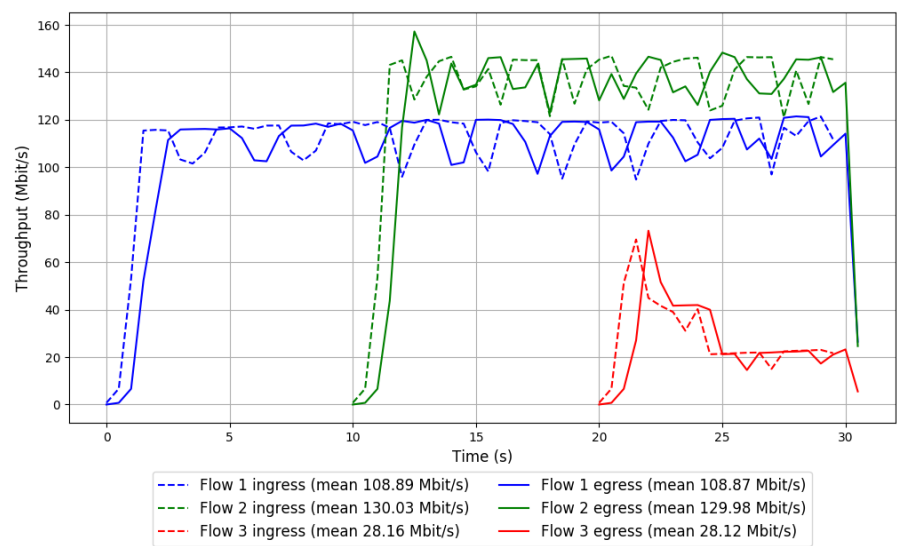


Run 6: Statistics of TCP Vegas

Start at: 2018-07-24 14:23:48
End at: 2018-07-24 14:24:18
Local clock offset: -0.209 ms
Remote clock offset: -0.049 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 204.71 Mbit/s
95th percentile per-packet one-way delay: 96.514 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.87 Mbit/s
95th percentile per-packet one-way delay: 93.079 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 129.98 Mbit/s
95th percentile per-packet one-way delay: 97.730 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 28.12 Mbit/s
95th percentile per-packet one-way delay: 93.884 ms
Loss rate: 0.15%

Run 6: Report of TCP Vegas — Data Link

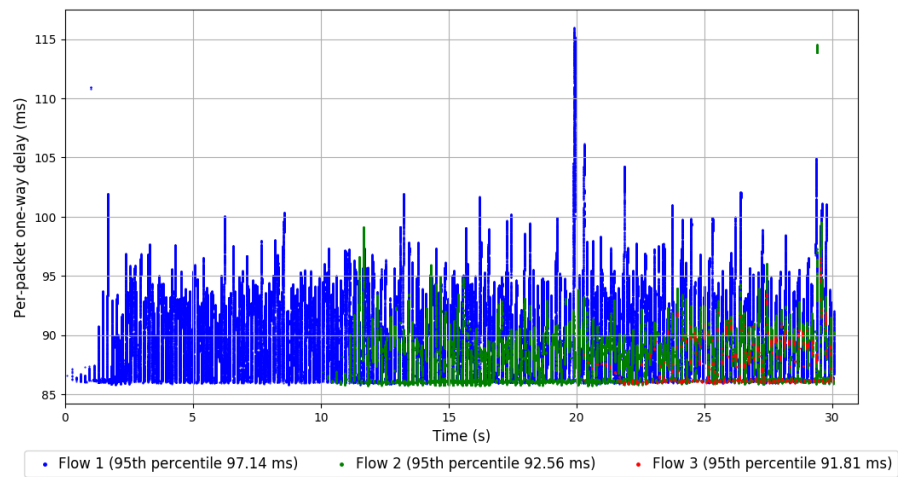
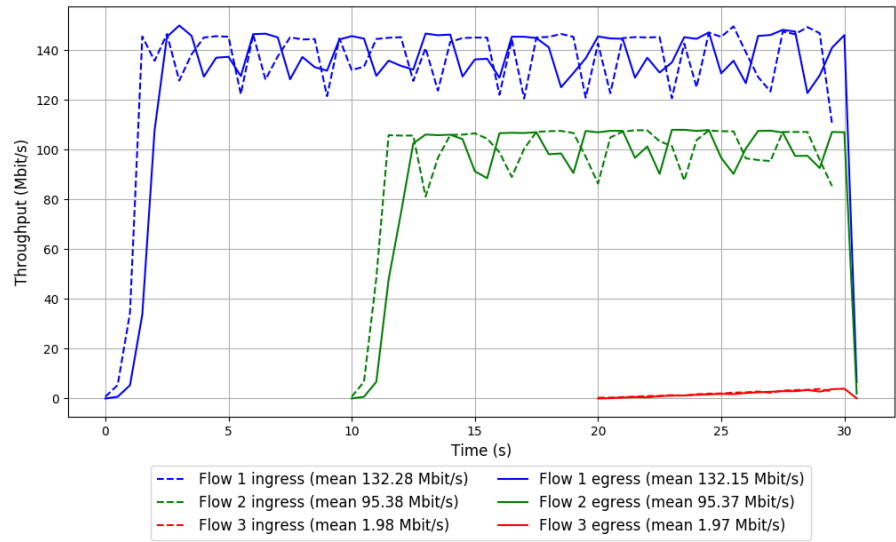


Run 7: Statistics of TCP Vegas

Start at: 2018-07-24 14:54:26
End at: 2018-07-24 14:54:56
Local clock offset: 0.141 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 196.35 Mbit/s
95th percentile per-packet one-way delay: 96.407 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 132.15 Mbit/s
95th percentile per-packet one-way delay: 97.135 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 92.558 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 91.811 ms
Loss rate: 0.49%

Run 7: Report of TCP Vegas — Data Link

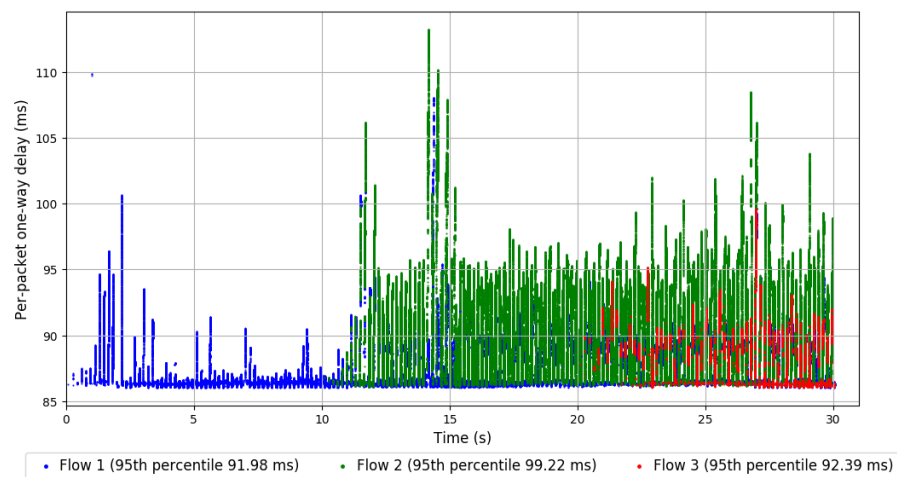
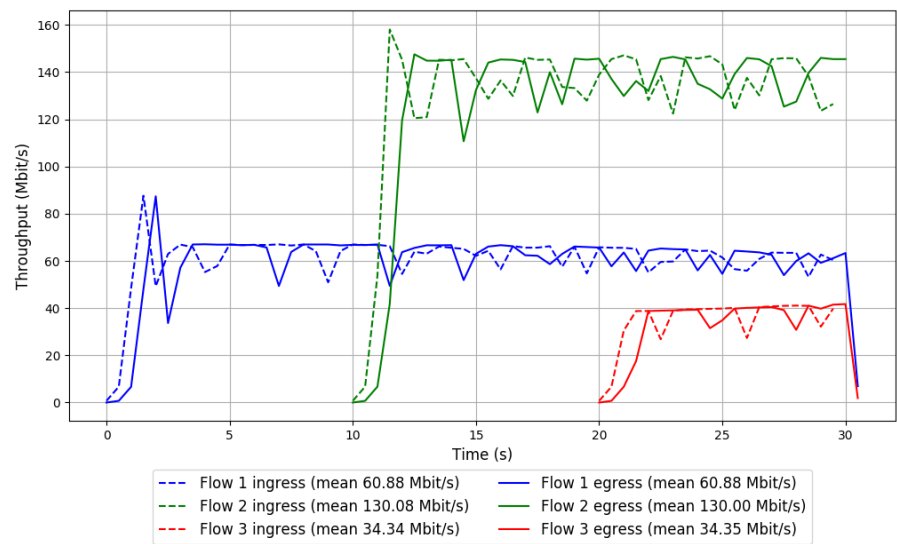


Run 8: Statistics of TCP Vegas

Start at: 2018-07-24 15:24:17
End at: 2018-07-24 15:24:47
Local clock offset: -0.151 ms
Remote clock offset: -0.033 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 158.51 Mbit/s
95th percentile per-packet one-way delay: 97.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.88 Mbit/s
95th percentile per-packet one-way delay: 91.979 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 130.00 Mbit/s
95th percentile per-packet one-way delay: 99.223 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 34.35 Mbit/s
95th percentile per-packet one-way delay: 92.391 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-07-24 15:51:22

End at: 2018-07-24 15:51:52

Local clock offset: 0.124 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-24 19:56:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.87 Mbit/s

95th percentile per-packet one-way delay: 88.474 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.55 Mbit/s

95th percentile per-packet one-way delay: 88.026 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 55.21 Mbit/s

95th percentile per-packet one-way delay: 88.869 ms

Loss rate: 0.00%

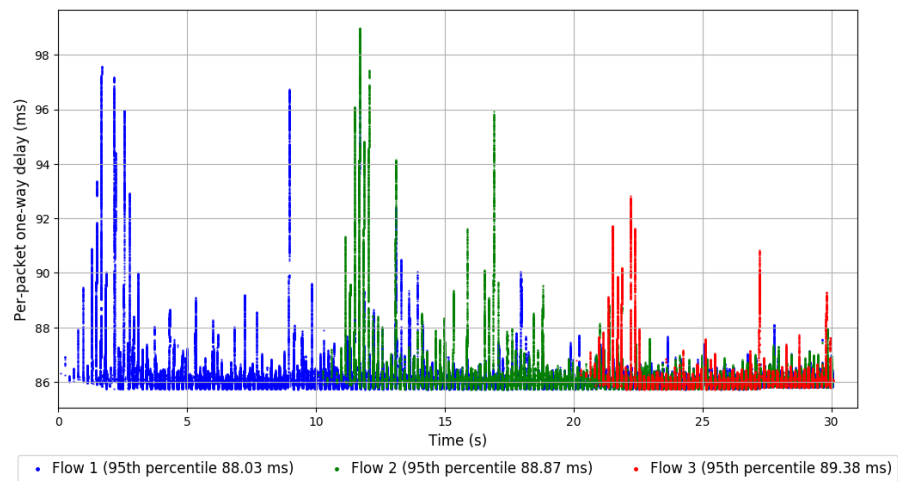
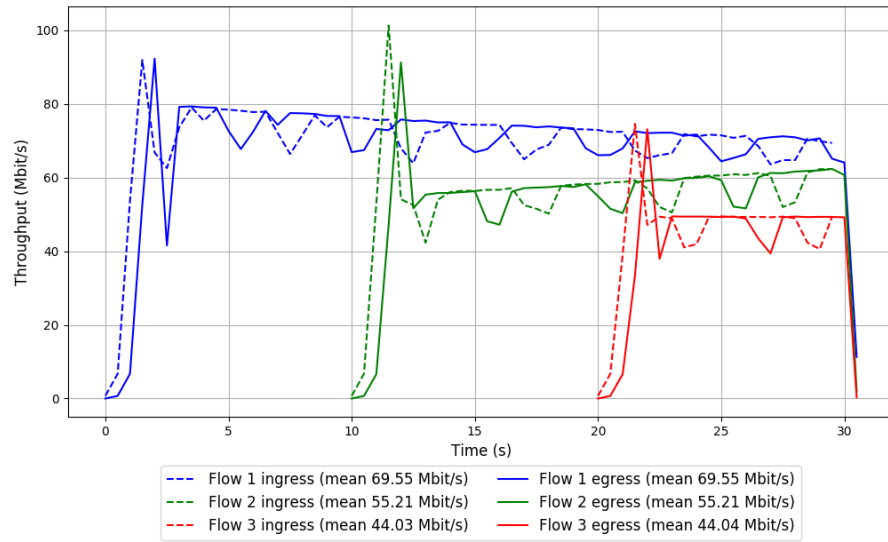
-- Flow 3:

Average throughput: 44.04 Mbit/s

95th percentile per-packet one-way delay: 89.378 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

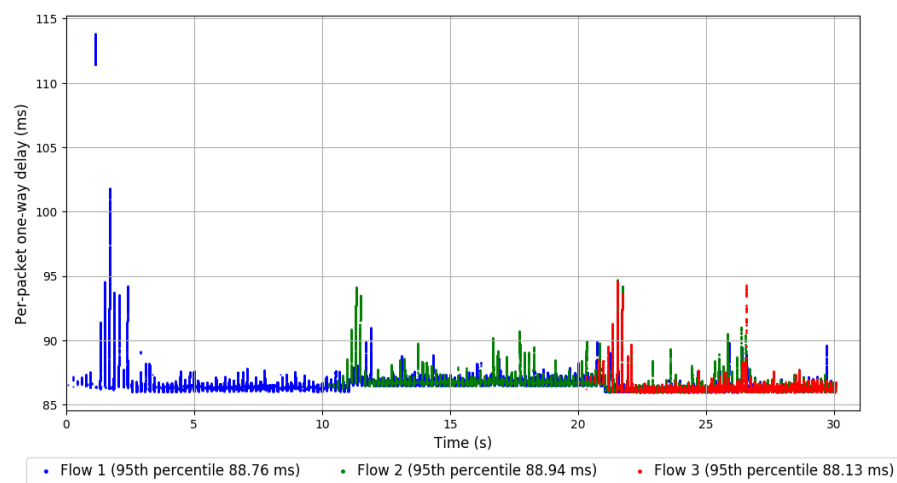
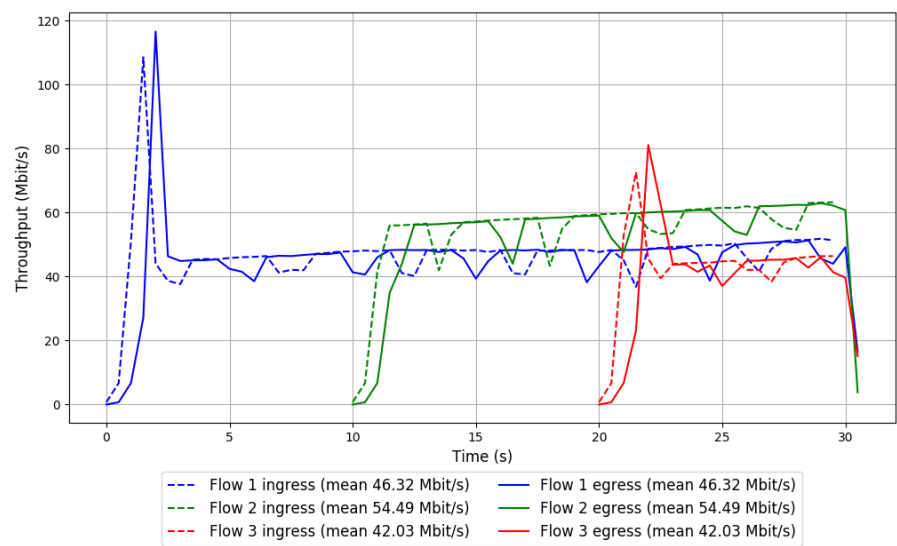


Run 10: Statistics of TCP Vegas

Start at: 2018-07-24 16:20:48
End at: 2018-07-24 16:21:18
Local clock offset: -0.067 ms
Remote clock offset: -0.061 ms

Below is generated by plot.py at 2018-07-24 19:56:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 88.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 46.32 Mbit/s
95th percentile per-packet one-way delay: 88.760 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.49 Mbit/s
95th percentile per-packet one-way delay: 88.939 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 88.132 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

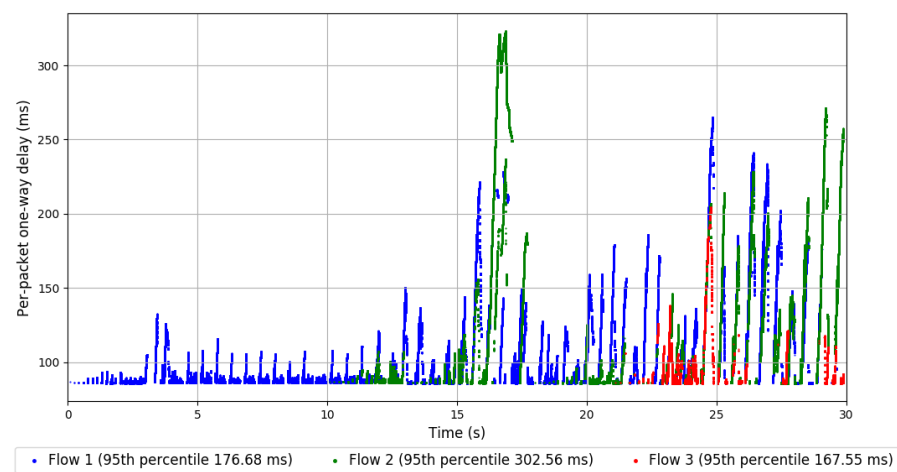
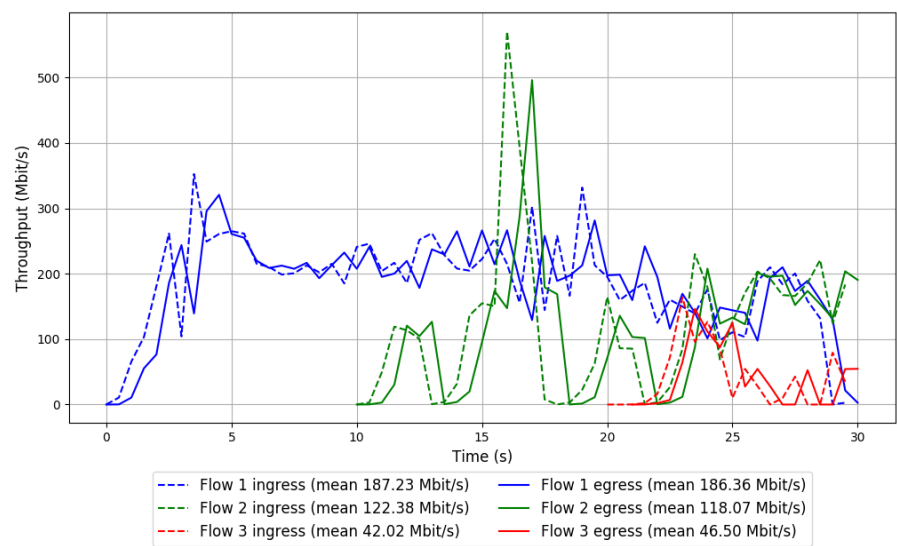


Run 1: Statistics of Verus

Start at: 2018-07-24 12:16:06
End at: 2018-07-24 12:16:36
Local clock offset: 0.109 ms
Remote clock offset: -0.331 ms

Below is generated by plot.py at 2018-07-24 19:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 277.87 Mbit/s
95th percentile per-packet one-way delay: 231.979 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 186.36 Mbit/s
95th percentile per-packet one-way delay: 176.683 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 118.07 Mbit/s
95th percentile per-packet one-way delay: 302.559 ms
Loss rate: 2.94%
-- Flow 3:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 167.552 ms
Loss rate: 0.64%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-24 12:44:20

End at: 2018-07-24 12:44:50

Local clock offset: -0.08 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-07-24 19:57:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 185.19 Mbit/s

95th percentile per-packet one-way delay: 135.877 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 143.104 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 108.32 Mbit/s

95th percentile per-packet one-way delay: 114.998 ms

Loss rate: 0.13%

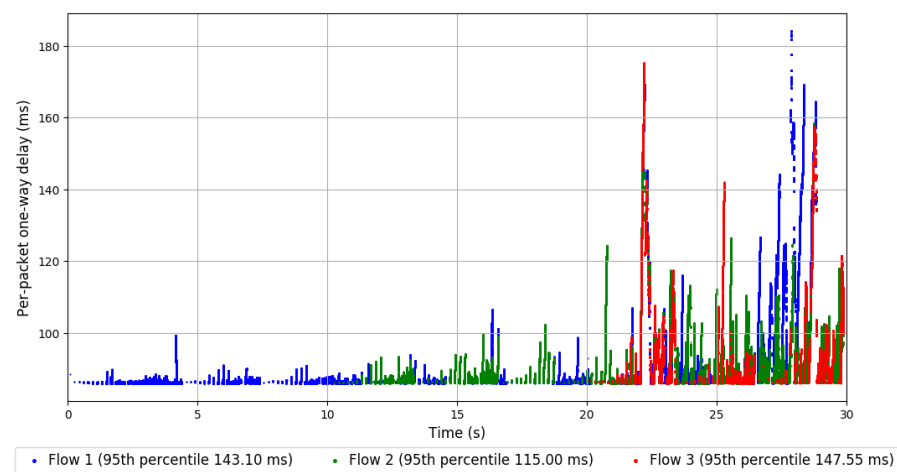
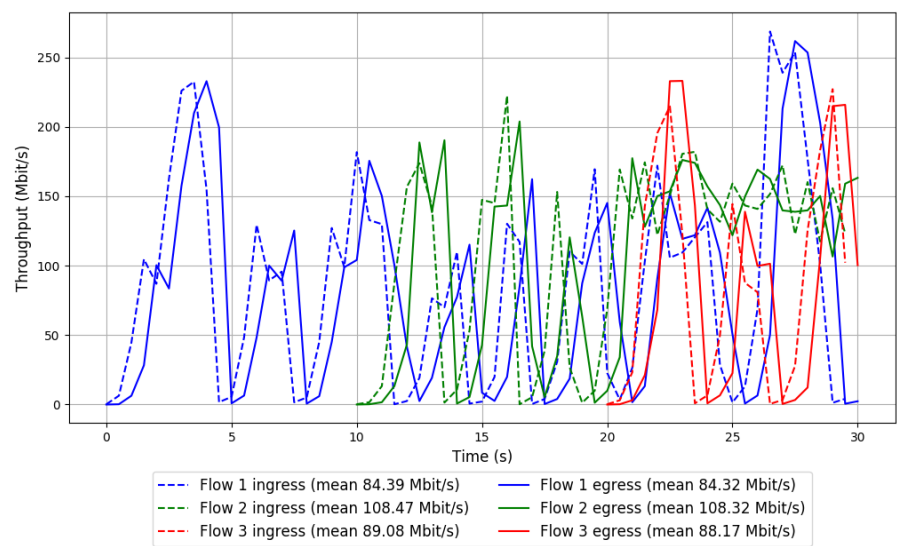
-- Flow 3:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 147.551 ms

Loss rate: 0.98%

Run 2: Report of Verus — Data Link

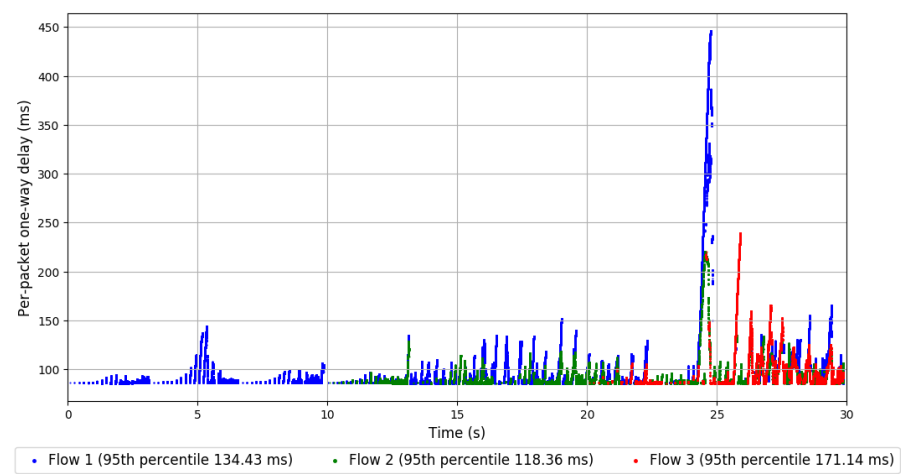
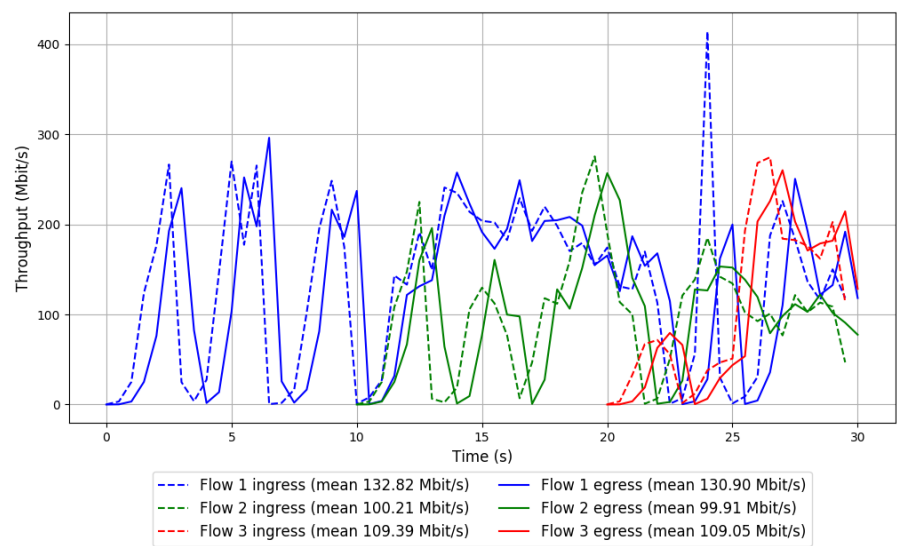


Run 3: Statistics of Verus

Start at: 2018-07-24 13:10:26
End at: 2018-07-24 13:10:56
Local clock offset: 0.095 ms
Remote clock offset: -0.019 ms

Below is generated by plot.py at 2018-07-24 19:57:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 137.415 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 130.90 Mbit/s
95th percentile per-packet one-way delay: 134.431 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 99.91 Mbit/s
95th percentile per-packet one-way delay: 118.361 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 109.05 Mbit/s
95th percentile per-packet one-way delay: 171.142 ms
Loss rate: 0.26%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-24 13:36:32

End at: 2018-07-24 13:37:02

Local clock offset: 0.065 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-07-24 19:57:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 258.69 Mbit/s

95th percentile per-packet one-way delay: 178.166 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 165.05 Mbit/s

95th percentile per-packet one-way delay: 155.301 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 122.11 Mbit/s

95th percentile per-packet one-way delay: 204.427 ms

Loss rate: 0.10%

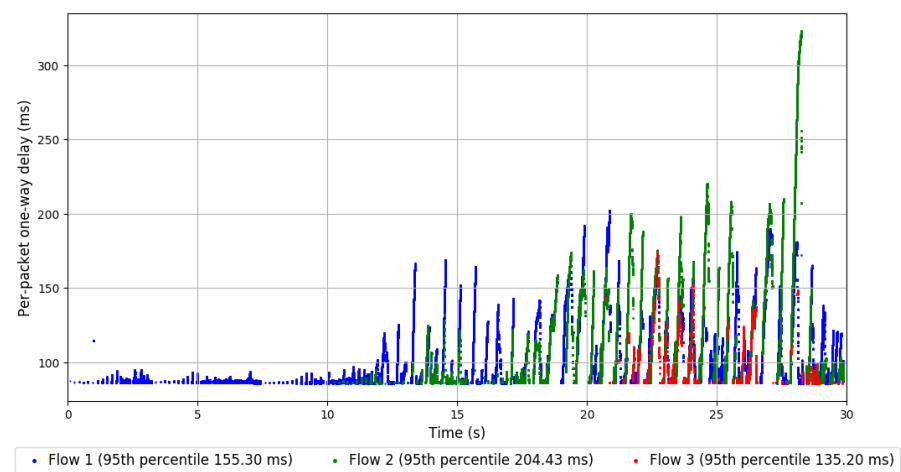
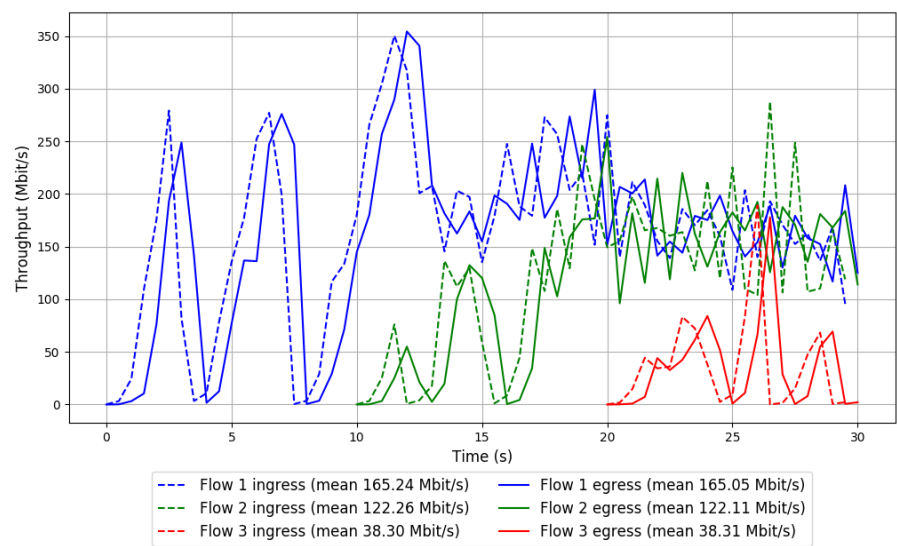
-- Flow 3:

Average throughput: 38.31 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of Verus — Data Link

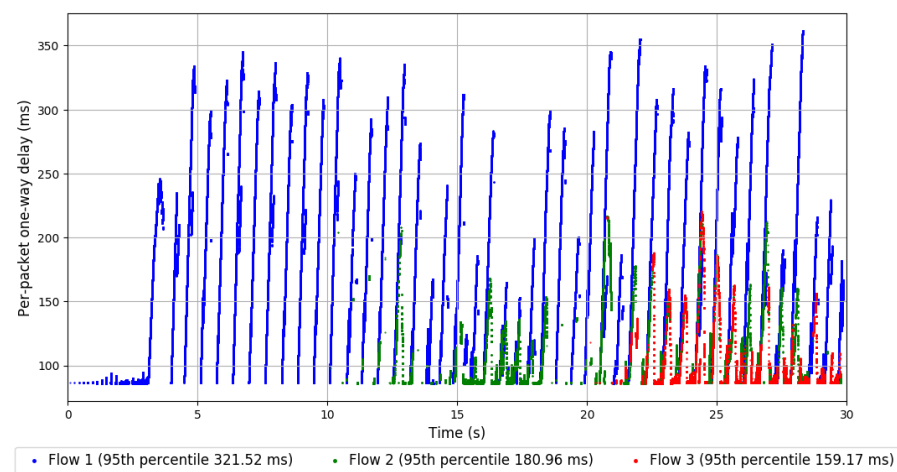
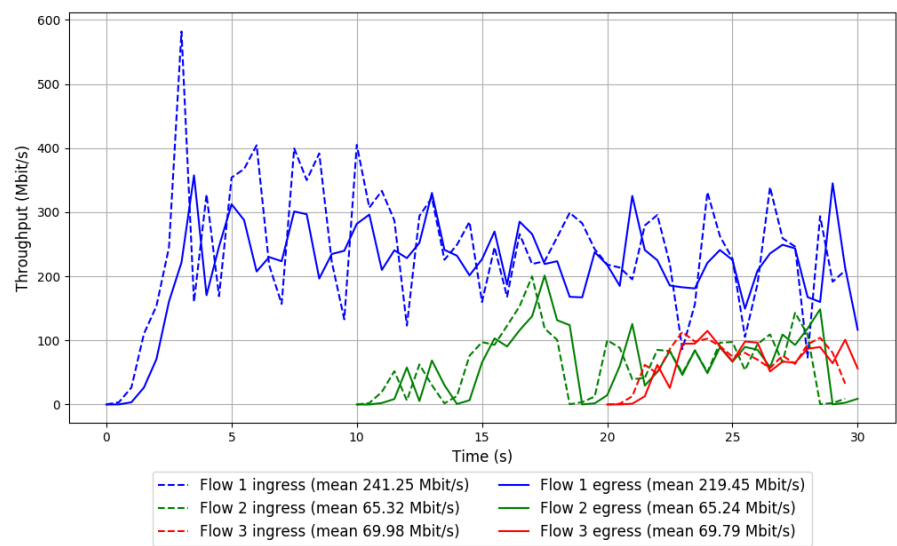


Run 5: Statistics of Verus

Start at: 2018-07-24 14:02:46
End at: 2018-07-24 14:03:16
Local clock offset: -0.137 ms
Remote clock offset: -0.003 ms

Below is generated by plot.py at 2018-07-24 19:58:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 285.07 Mbit/s
95th percentile per-packet one-way delay: 315.832 ms
Loss rate: 7.13%
-- Flow 1:
Average throughput: 219.45 Mbit/s
95th percentile per-packet one-way delay: 321.522 ms
Loss rate: 8.99%
-- Flow 2:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 180.962 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 159.174 ms
Loss rate: 0.53%

Run 5: Report of Verus — Data Link

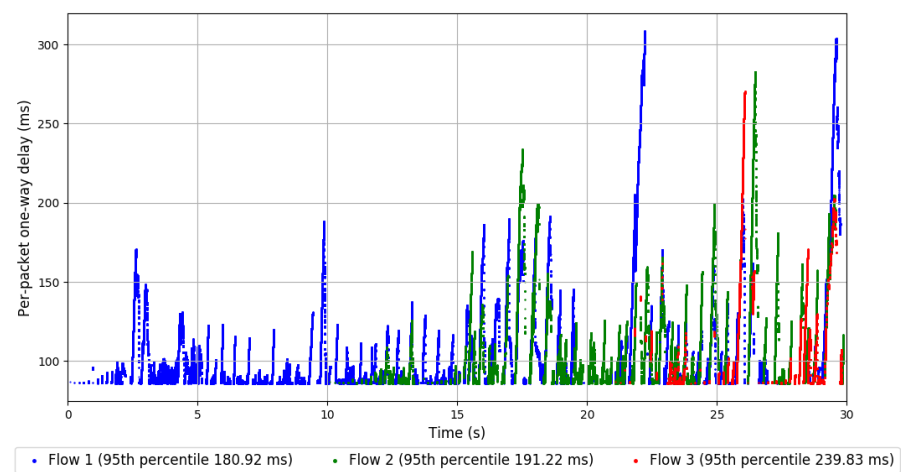
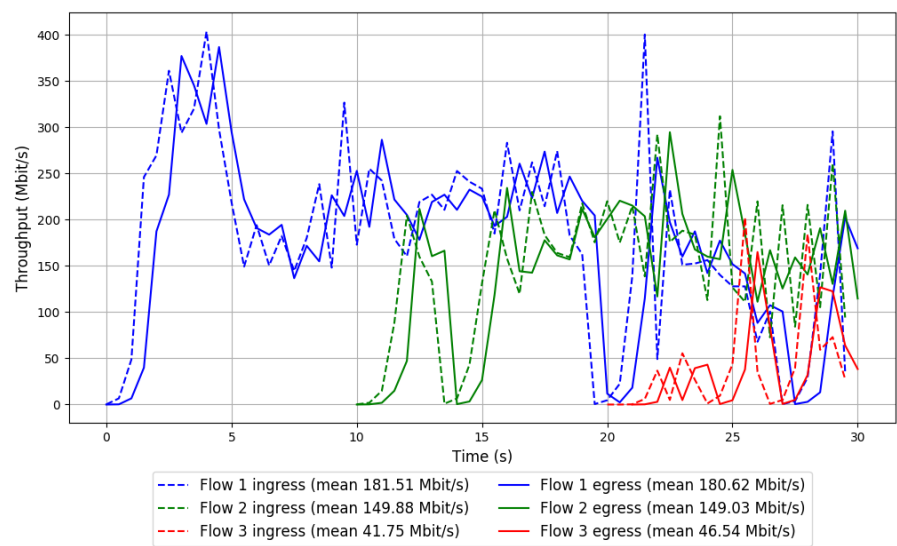


Run 6: Statistics of Verus

Start at: 2018-07-24 14:32:40
End at: 2018-07-24 14:33:10
Local clock offset: 0.011 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2018-07-24 19:59:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 292.47 Mbit/s
95th percentile per-packet one-way delay: 188.102 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 180.62 Mbit/s
95th percentile per-packet one-way delay: 180.920 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 149.03 Mbit/s
95th percentile per-packet one-way delay: 191.215 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 46.54 Mbit/s
95th percentile per-packet one-way delay: 239.829 ms
Loss rate: 0.00%

Run 6: Report of Verus — Data Link

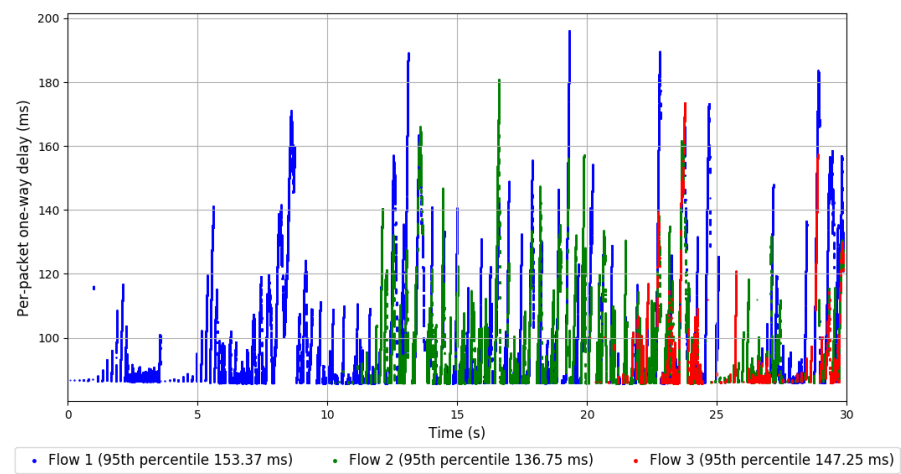
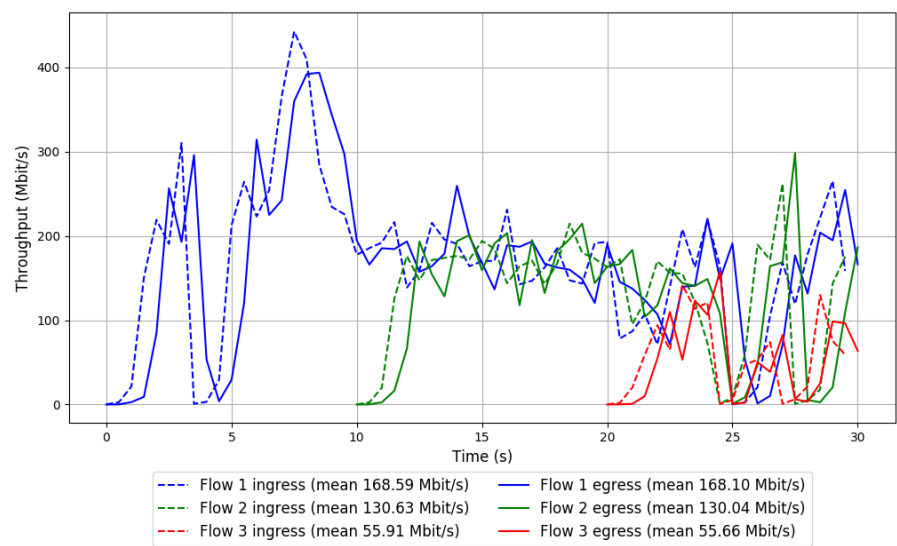


Run 7: Statistics of Verus

Start at: 2018-07-24 15:03:24
End at: 2018-07-24 15:03:54
Local clock offset: 0.186 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-07-24 20:00:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.64 Mbit/s
95th percentile per-packet one-way delay: 150.181 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 168.10 Mbit/s
95th percentile per-packet one-way delay: 153.373 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 130.04 Mbit/s
95th percentile per-packet one-way delay: 136.751 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 147.253 ms
Loss rate: 0.54%

Run 7: Report of Verus — Data Link

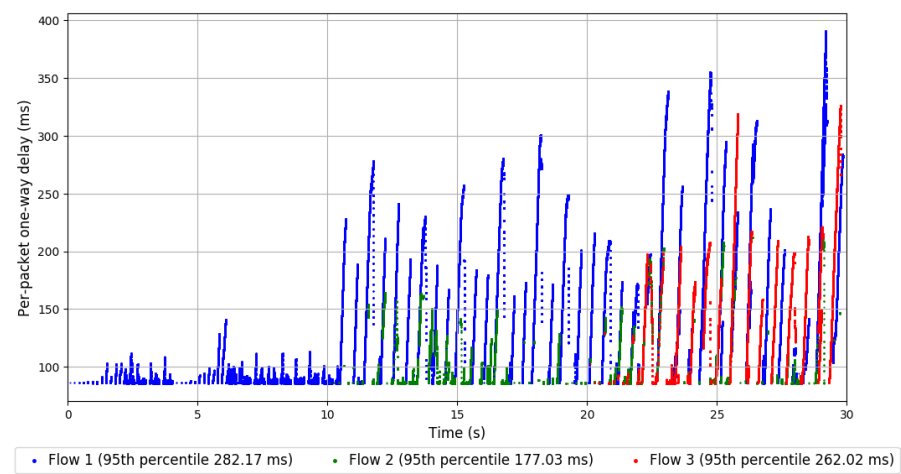
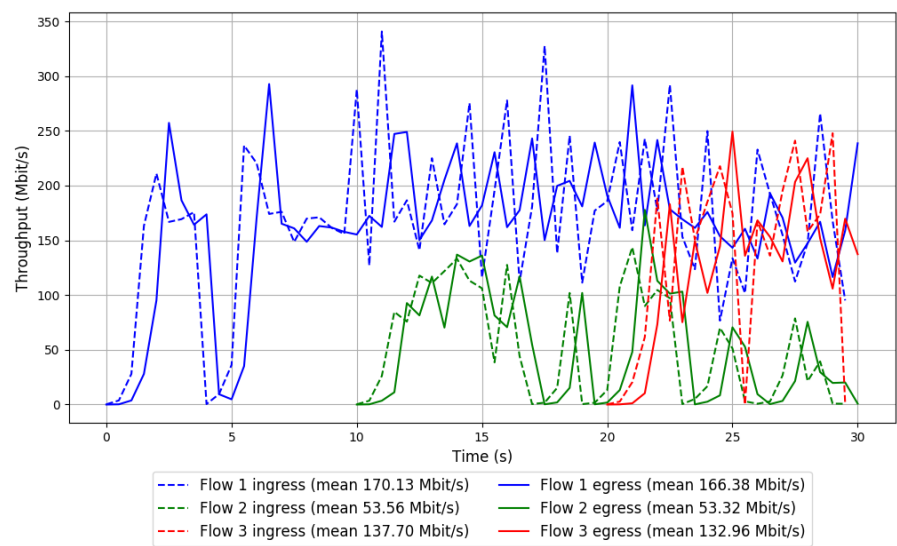


Run 8: Statistics of Verus

Start at: 2018-07-24 15:32:31
End at: 2018-07-24 15:33:01
Local clock offset: -0.034 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-07-24 20:00:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 244.75 Mbit/s
95th percentile per-packet one-way delay: 275.365 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 166.38 Mbit/s
95th percentile per-packet one-way delay: 282.166 ms
Loss rate: 1.56%
-- Flow 2:
Average throughput: 53.32 Mbit/s
95th percentile per-packet one-way delay: 177.028 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 132.96 Mbit/s
95th percentile per-packet one-way delay: 262.020 ms
Loss rate: 1.78%

Run 8: Report of Verus — Data Link

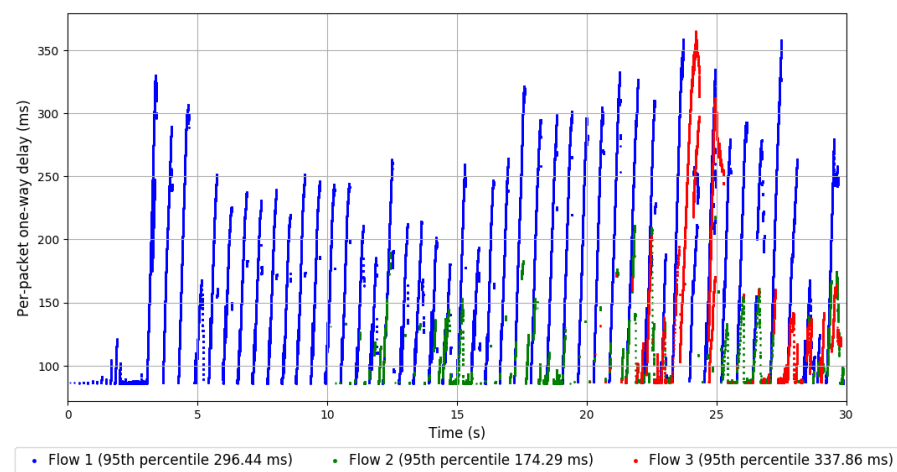
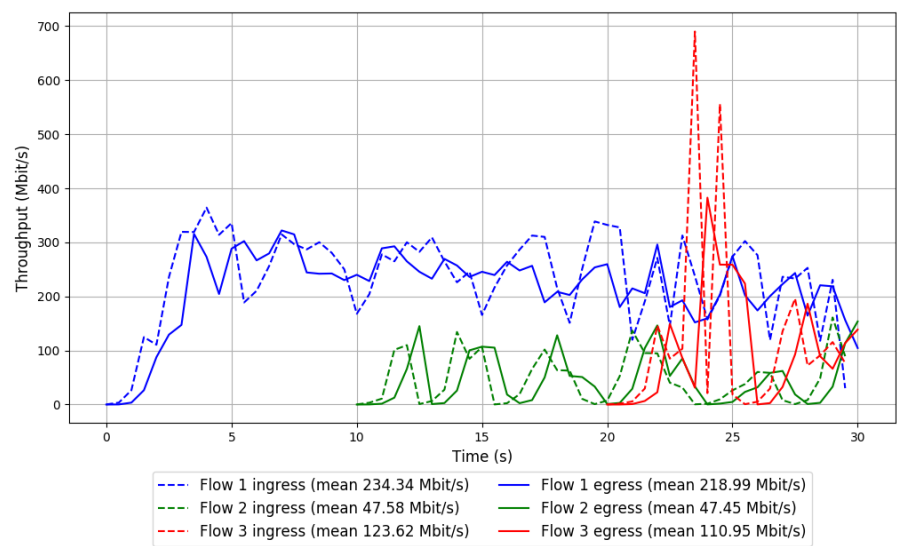


Run 9: Statistics of Verus

Start at: 2018-07-24 16:00:10
End at: 2018-07-24 16:00:40
Local clock offset: 0.042 ms
Remote clock offset: -0.052 ms

Below is generated by plot.py at 2018-07-24 20:02:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 286.40 Mbit/s
95th percentile per-packet one-way delay: 299.184 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 218.99 Mbit/s
95th percentile per-packet one-way delay: 296.444 ms
Loss rate: 6.55%
-- Flow 2:
Average throughput: 47.45 Mbit/s
95th percentile per-packet one-way delay: 174.292 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 110.95 Mbit/s
95th percentile per-packet one-way delay: 337.859 ms
Loss rate: 9.97%

Run 9: Report of Verus — Data Link

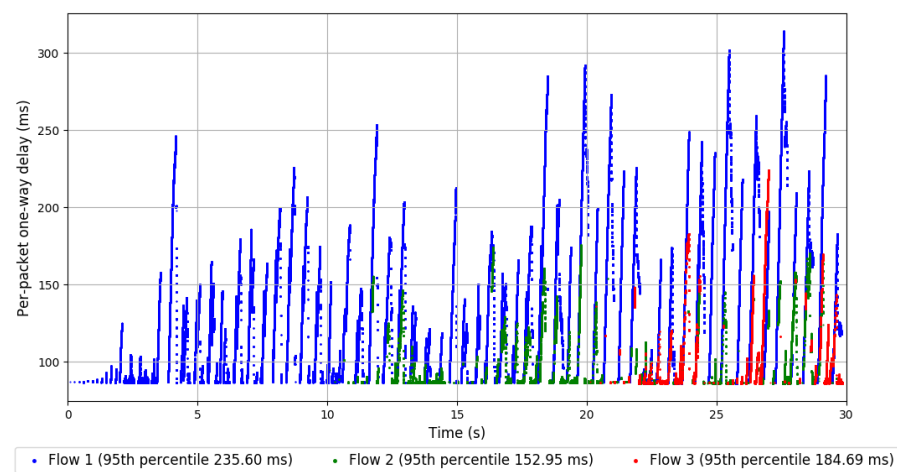
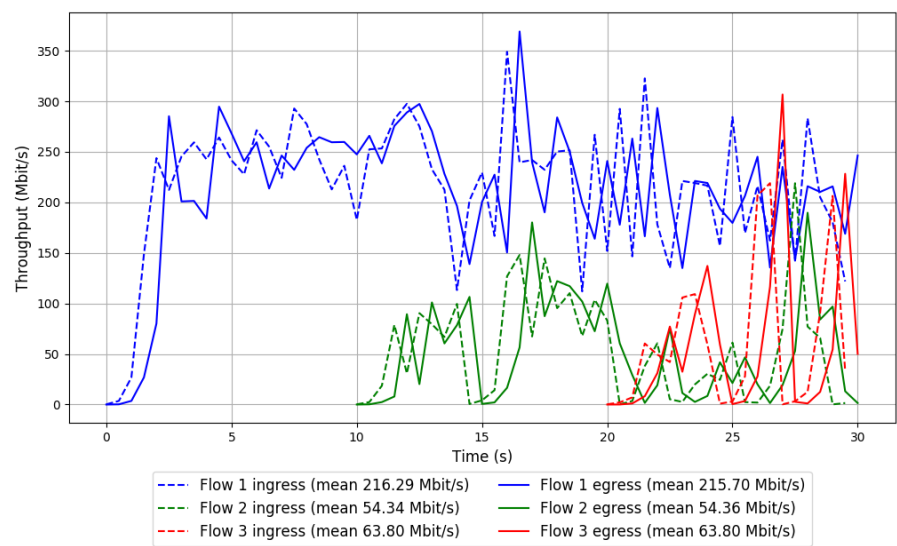


Run 10: Statistics of Verus

Start at: 2018-07-24 16:28:57
End at: 2018-07-24 16:29:27
Local clock offset: -0.054 ms
Remote clock offset: -0.086 ms

Below is generated by plot.py at 2018-07-24 20:02:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 272.26 Mbit/s
95th percentile per-packet one-way delay: 228.944 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 215.70 Mbit/s
95th percentile per-packet one-way delay: 235.604 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 54.36 Mbit/s
95th percentile per-packet one-way delay: 152.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 184.695 ms
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-24 11:57:08

End at: 2018-07-24 11:57:38

Local clock offset: -0.088 ms

Remote clock offset: -0.36 ms

Below is generated by plot.py at 2018-07-24 20:08:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 474.30 Mbit/s

95th percentile per-packet one-way delay: 209.480 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 304.58 Mbit/s

95th percentile per-packet one-way delay: 243.433 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 179.86 Mbit/s

95th percentile per-packet one-way delay: 87.051 ms

Loss rate: 0.00%

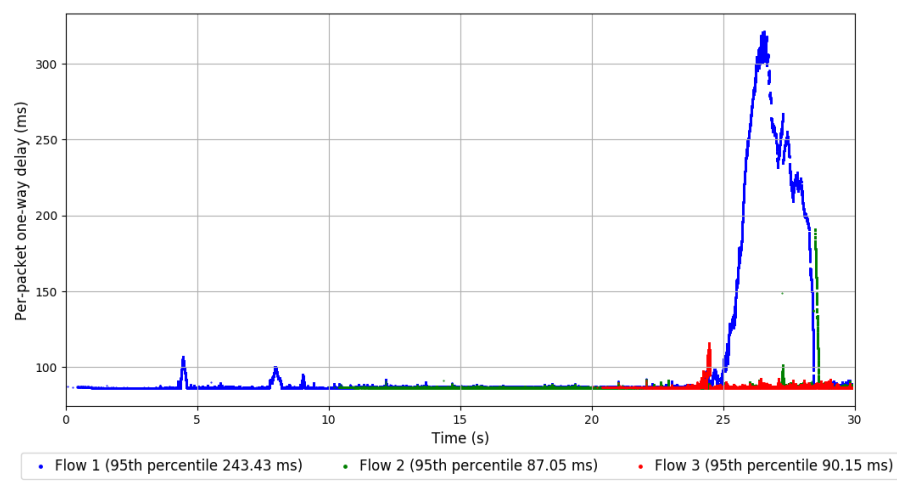
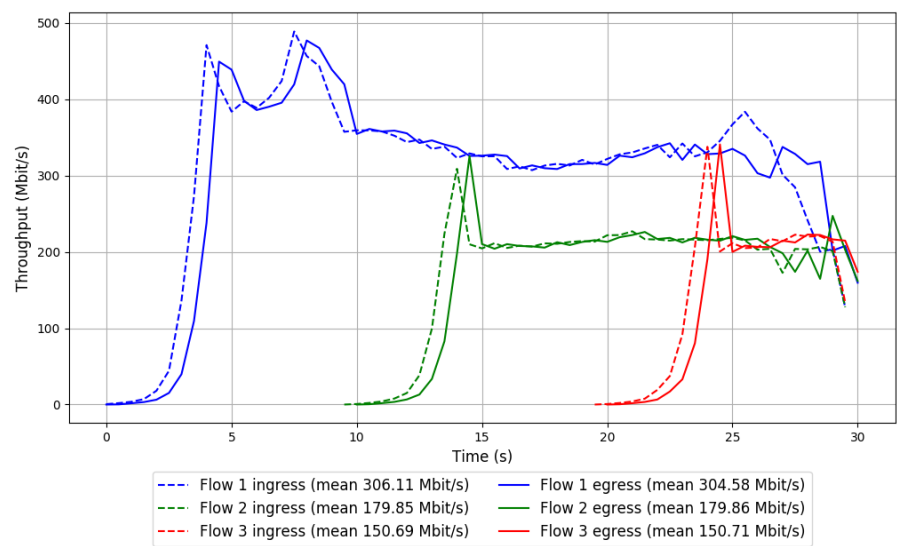
-- Flow 3:

Average throughput: 150.71 Mbit/s

95th percentile per-packet one-way delay: 90.154 ms

Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-24 12:25:48

End at: 2018-07-24 12:26:18

Local clock offset: -0.083 ms

Remote clock offset: -0.34 ms

Below is generated by plot.py at 2018-07-24 20:09:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 501.46 Mbit/s

95th percentile per-packet one-way delay: 123.474 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 311.41 Mbit/s

95th percentile per-packet one-way delay: 101.261 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 209.58 Mbit/s

95th percentile per-packet one-way delay: 190.570 ms

Loss rate: 0.57%

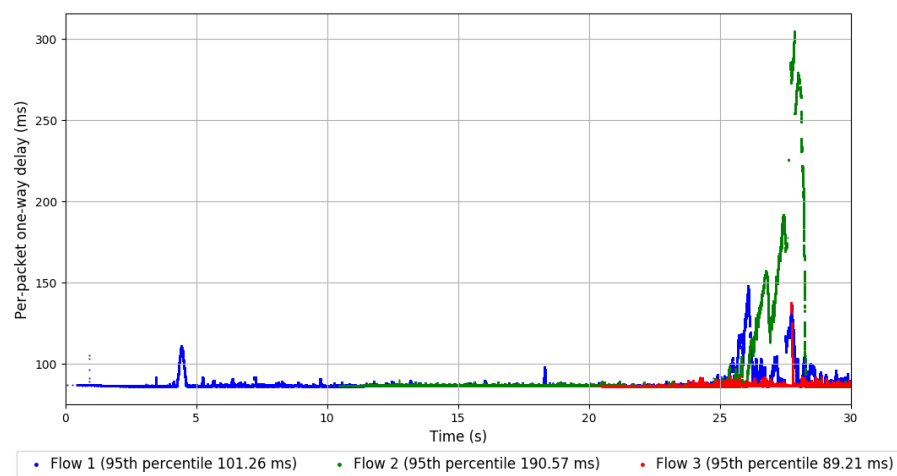
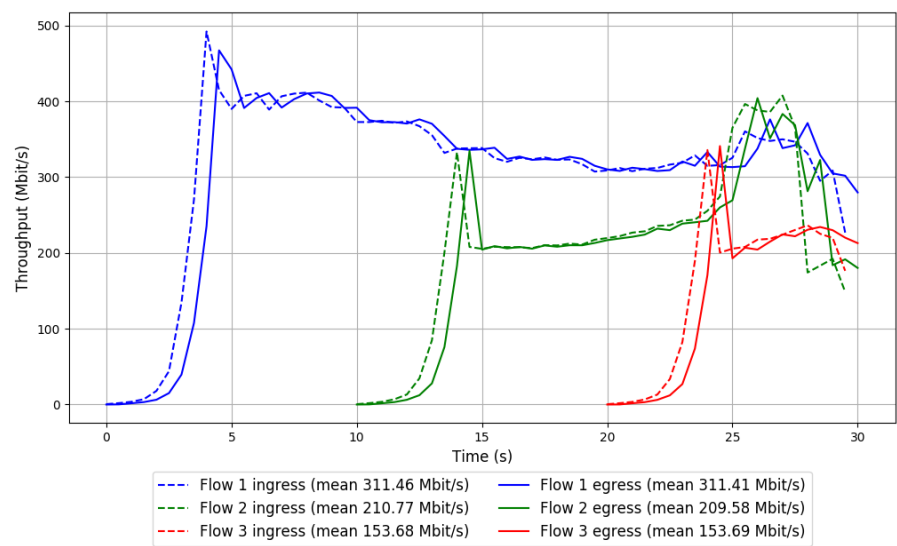
-- Flow 3:

Average throughput: 153.69 Mbit/s

95th percentile per-packet one-way delay: 89.211 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-24 12:53:31

End at: 2018-07-24 12:54:01

Local clock offset: -0.079 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-07-24 20:09:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 401.29 Mbit/s

95th percentile per-packet one-way delay: 87.671 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 238.53 Mbit/s

95th percentile per-packet one-way delay: 87.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 205.32 Mbit/s

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

Loss rate: 0.00%

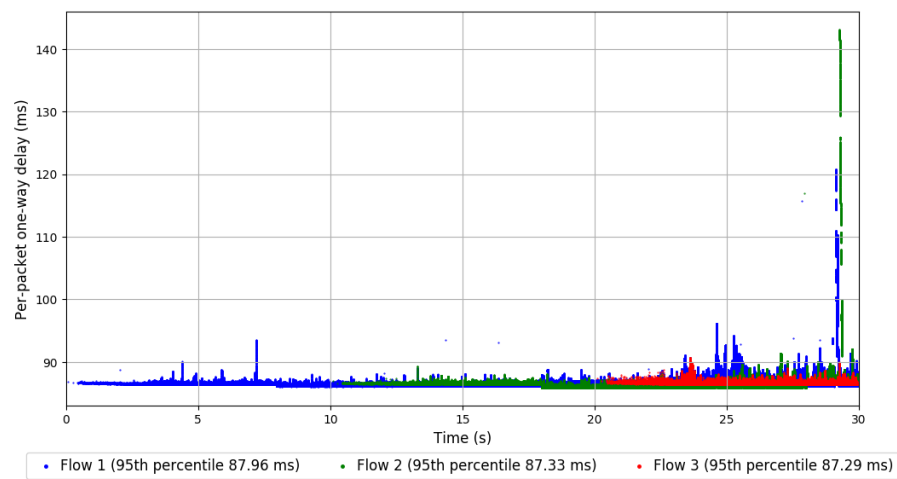
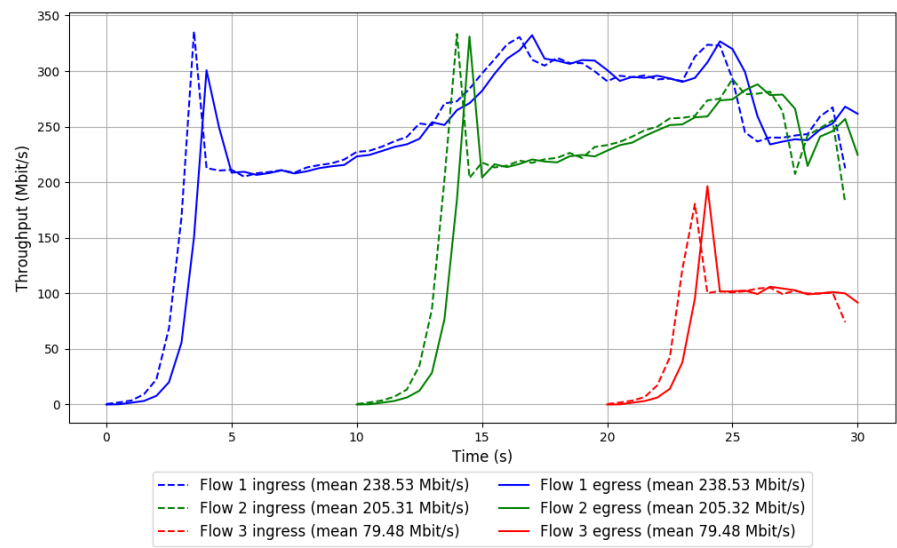
-- Flow 3:

Average throughput: 79.48 Mbit/s

95th percentile per-packet one-way delay: 87.292 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link



Run 4: Statistics of PCC-Vivace

Start at: 2018-07-24 13:19:32

End at: 2018-07-24 13:20:02

Local clock offset: -0.124 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-07-24 20:12:46

Datalink statistics

-- Total of 3 flows:

Average throughput: 470.81 Mbit/s

95th percentile per-packet one-way delay: 166.470 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 274.78 Mbit/s

95th percentile per-packet one-way delay: 108.593 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 191.88 Mbit/s

95th percentile per-packet one-way delay: 88.521 ms

Loss rate: 0.00%

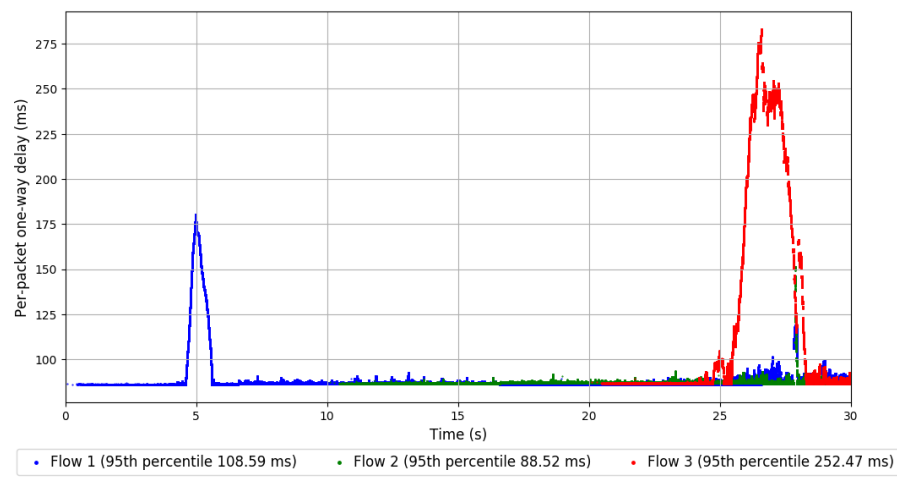
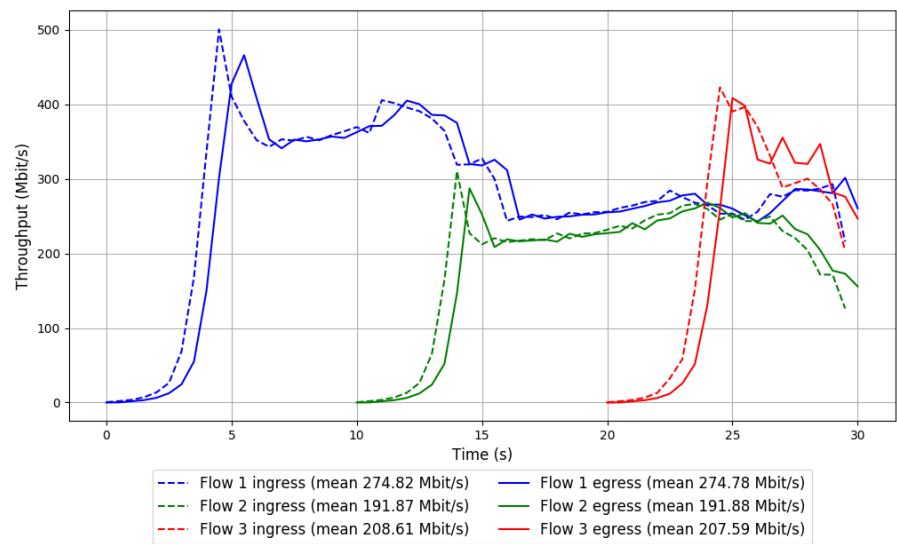
-- Flow 3:

Average throughput: 207.59 Mbit/s

95th percentile per-packet one-way delay: 252.466 ms

Loss rate: 0.50%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-24 13:45:38

End at: 2018-07-24 13:46:08

Local clock offset: -0.001 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at 2018-07-24 20:13:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 499.97 Mbit/s

95th percentile per-packet one-way delay: 104.177 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 316.88 Mbit/s

95th percentile per-packet one-way delay: 109.043 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 201.14 Mbit/s

95th percentile per-packet one-way delay: 89.034 ms

Loss rate: 0.00%

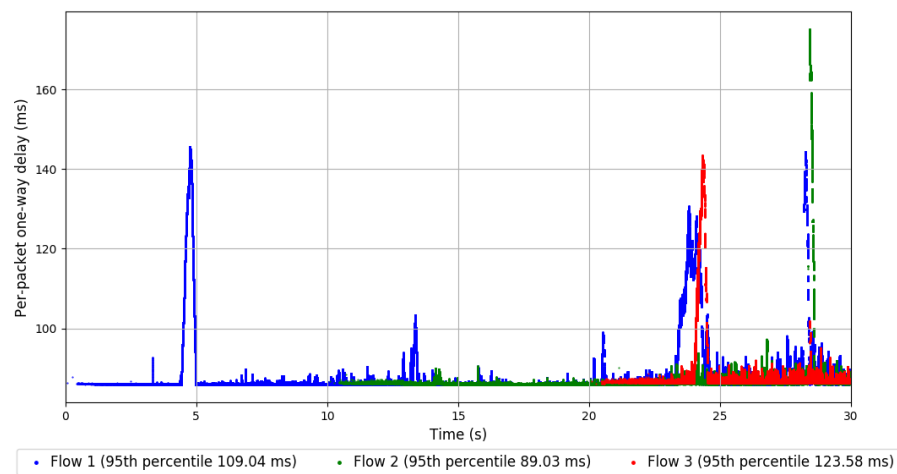
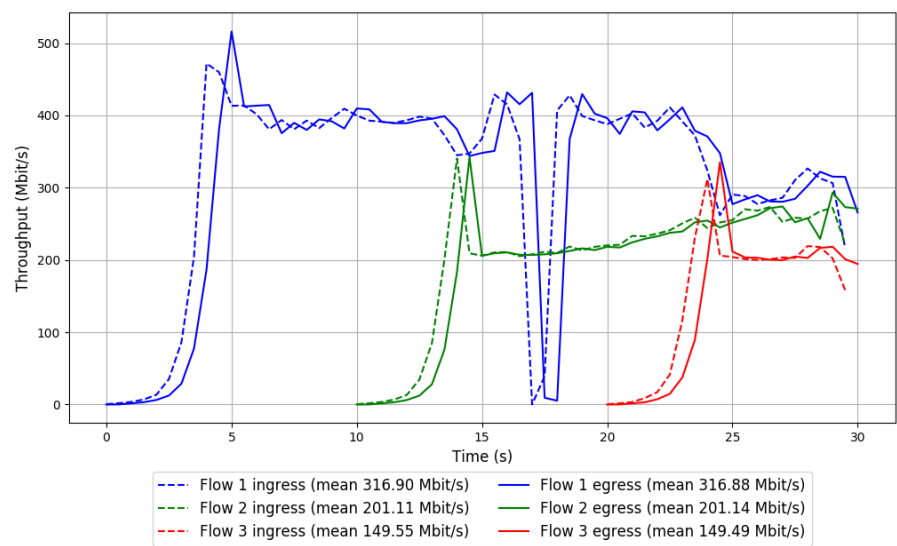
-- Flow 3:

Average throughput: 149.49 Mbit/s

95th percentile per-packet one-way delay: 123.583 ms

Loss rate: 0.05%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-07-24 14:13:01

End at: 2018-07-24 14:13:31

Local clock offset: -0.041 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at 2018-07-24 20:13:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 370.66 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 208.39 Mbit/s

95th percentile per-packet one-way delay: 175.001 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 172.99 Mbit/s

95th percentile per-packet one-way delay: 87.730 ms

Loss rate: 0.00%

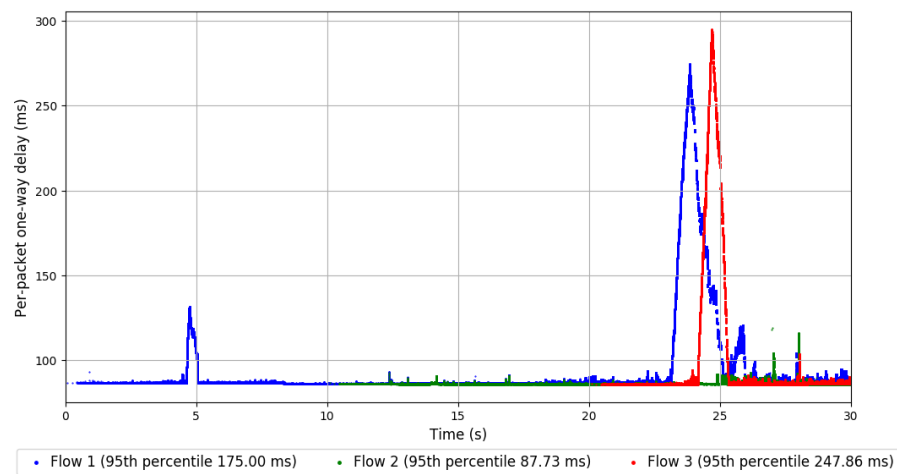
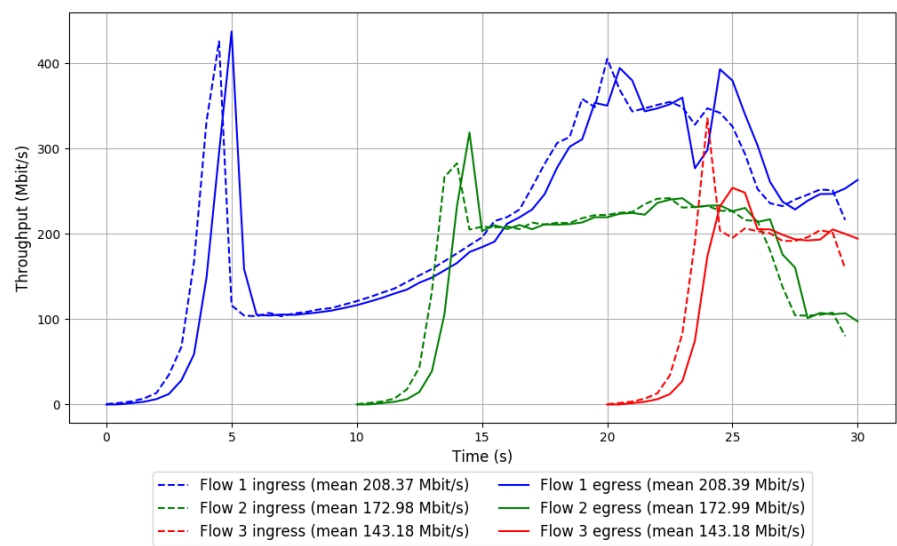
-- Flow 3:

Average throughput: 143.18 Mbit/s

95th percentile per-packet one-way delay: 247.864 ms

Loss rate: 0.00%

Run 6: Report of PCC-Vivace — Data Link

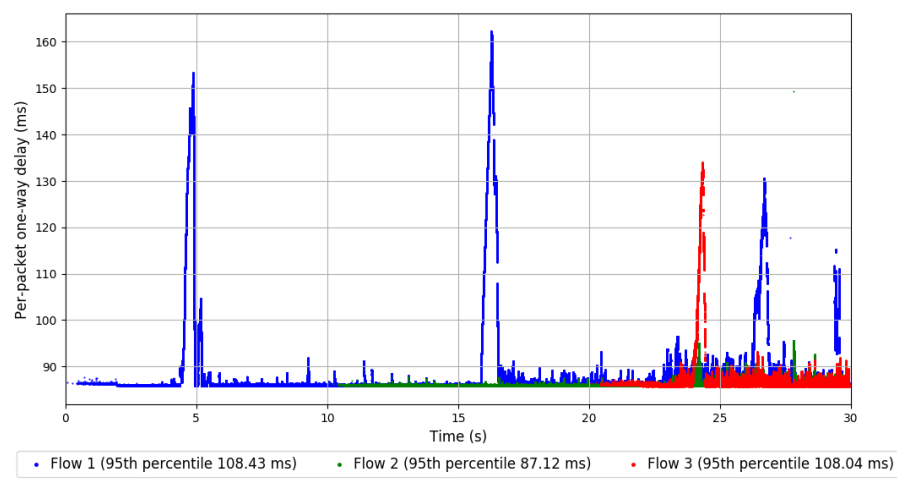
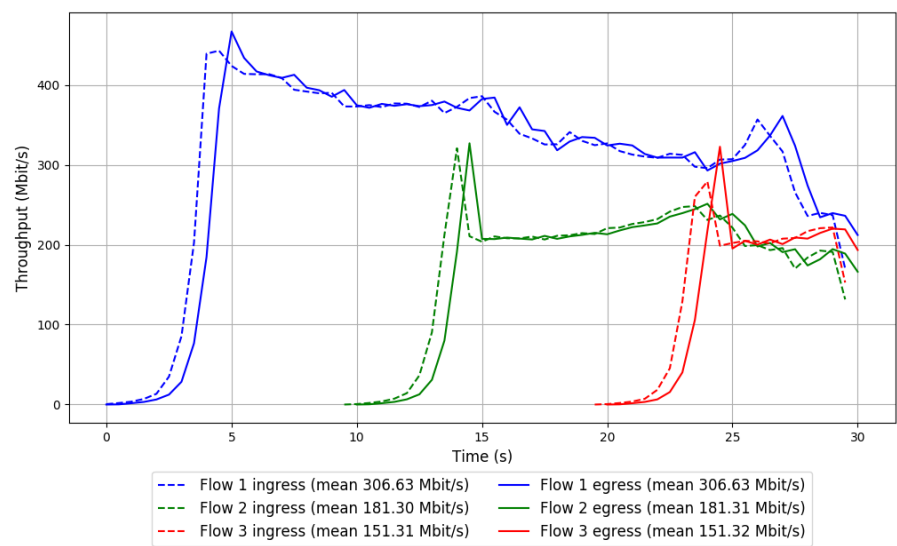


Run 7: Statistics of PCC-Vivace

Start at: 2018-07-24 14:43:37
End at: 2018-07-24 14:44:07
Local clock offset: 0.018 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-24 20:14:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 477.32 Mbit/s
95th percentile per-packet one-way delay: 99.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 306.63 Mbit/s
95th percentile per-packet one-way delay: 108.427 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 181.31 Mbit/s
95th percentile per-packet one-way delay: 87.122 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 151.32 Mbit/s
95th percentile per-packet one-way delay: 108.038 ms
Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link

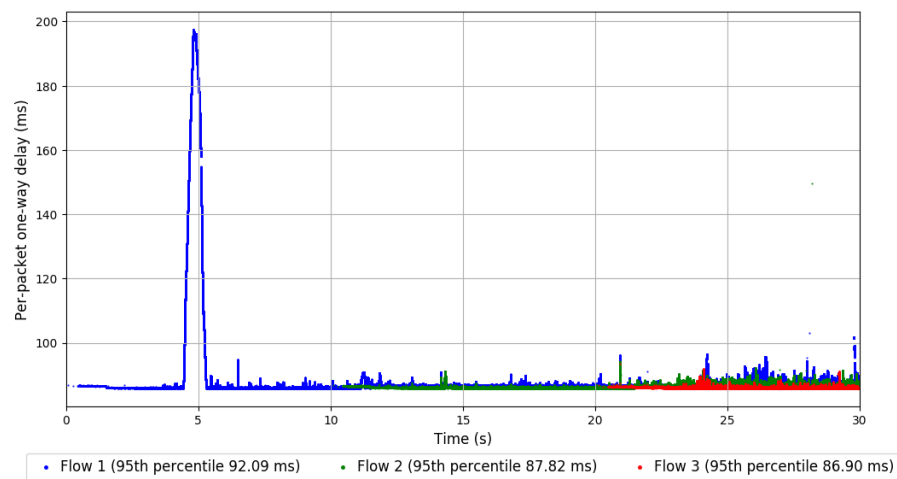
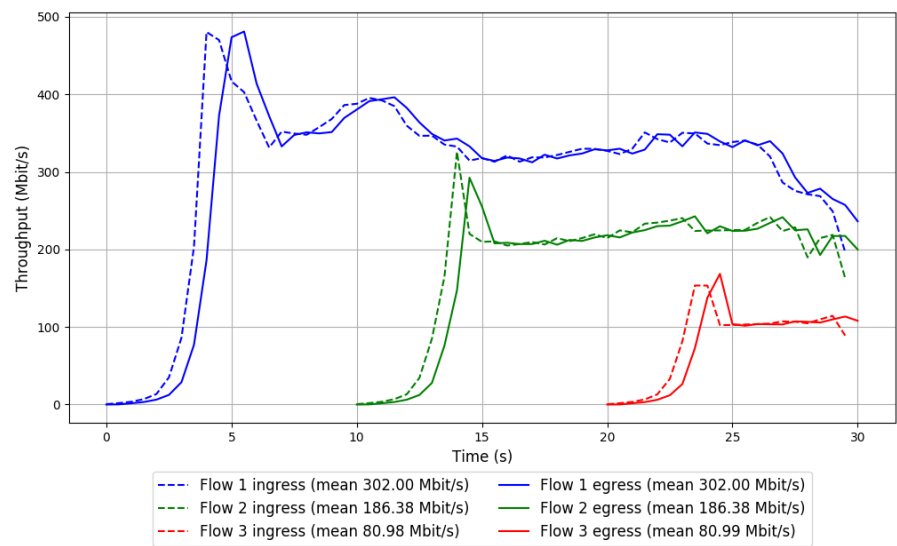


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-24 15:14:18
End at: 2018-07-24 15:14:48
Local clock offset: 0.007 ms
Remote clock offset: -0.075 ms

Below is generated by plot.py at 2018-07-24 20:14:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 452.65 Mbit/s
95th percentile per-packet one-way delay: 89.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 302.00 Mbit/s
95th percentile per-packet one-way delay: 92.091 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 186.38 Mbit/s
95th percentile per-packet one-way delay: 87.823 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 86.898 ms
Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link



Run 9: Statistics of PCC-Vivace

Start at: 2018-07-24 15:42:21

End at: 2018-07-24 15:42:51

Local clock offset: 0.219 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-07-24 20:15:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 477.92 Mbit/s

95th percentile per-packet one-way delay: 232.437 ms

Loss rate: 1.51%

-- Flow 1:

Average throughput: 315.29 Mbit/s

95th percentile per-packet one-way delay: 279.363 ms

Loss rate: 2.27%

-- Flow 2:

Average throughput: 180.47 Mbit/s

95th percentile per-packet one-way delay: 87.692 ms

Loss rate: 0.00%

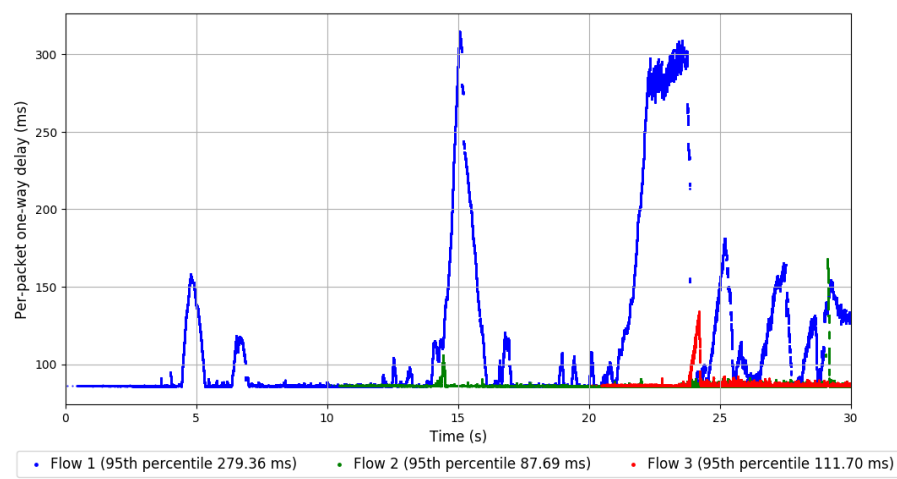
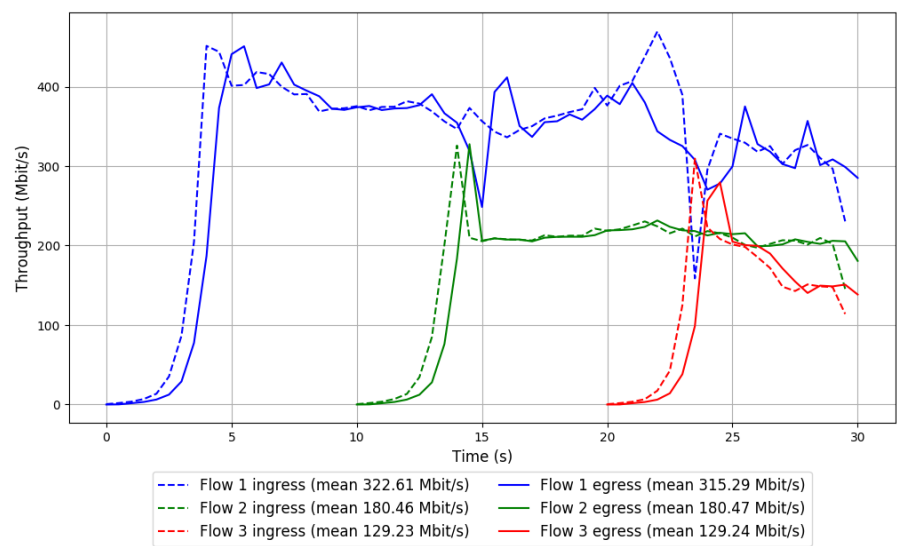
-- Flow 3:

Average throughput: 129.24 Mbit/s

95th percentile per-packet one-way delay: 111.699 ms

Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link

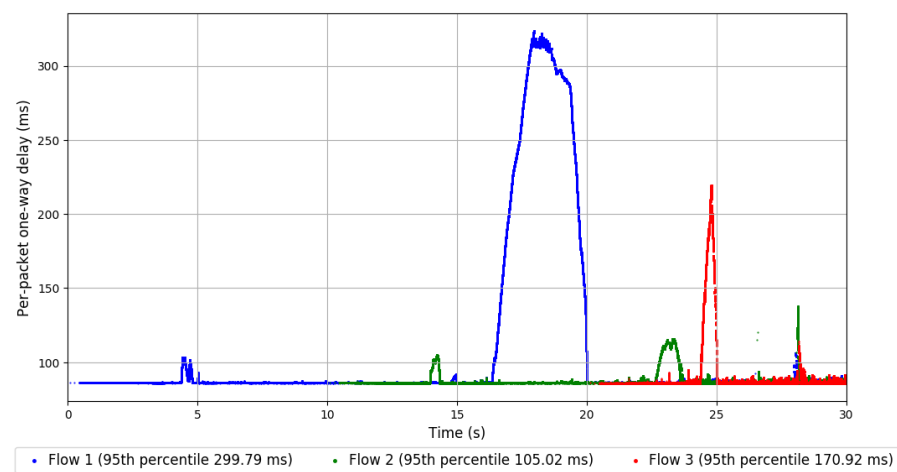
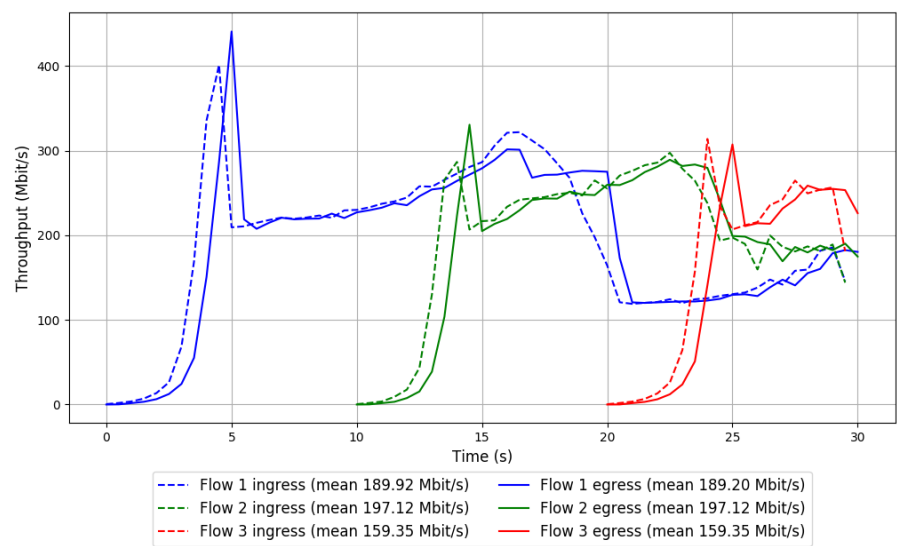


Run 10: Statistics of PCC-Vivace

Start at: 2018-07-24 16:10:35
End at: 2018-07-24 16:11:05
Local clock offset: 0.016 ms
Remote clock offset: -0.127 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 372.81 Mbit/s
95th percentile per-packet one-way delay: 253.560 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 189.20 Mbit/s
95th percentile per-packet one-way delay: 299.793 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 197.12 Mbit/s
95th percentile per-packet one-way delay: 105.017 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 159.35 Mbit/s
95th percentile per-packet one-way delay: 170.918 ms
Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

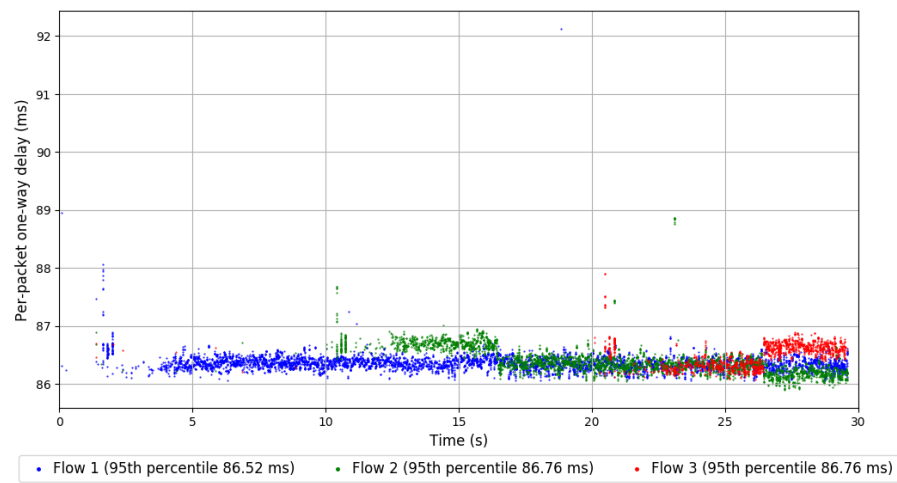
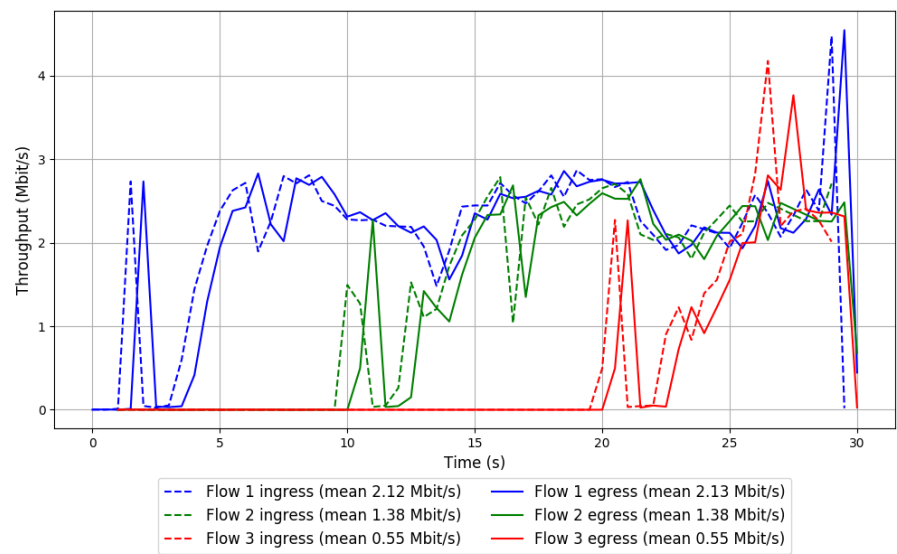


Run 1: Statistics of WebRTC media

Start at: 2018-07-24 12:09:02
End at: 2018-07-24 12:09:32
Local clock offset: -0.016 ms
Remote clock offset: -0.328 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 86.711 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 86.523 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 1.38 Mbit/s
95th percentile per-packet one-way delay: 86.762 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 86.759 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

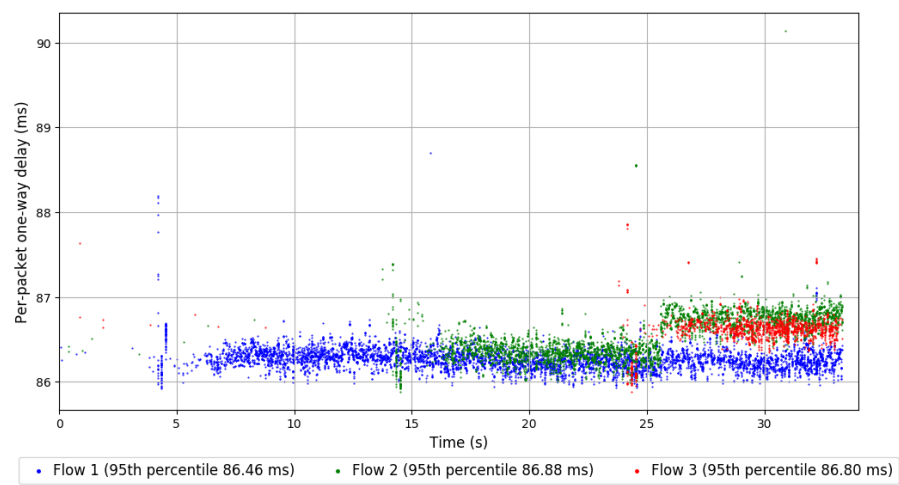
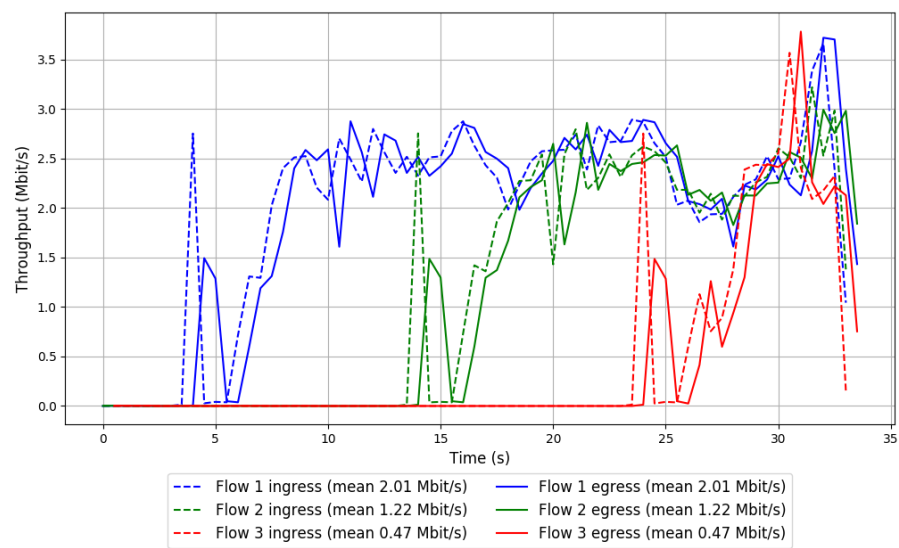


Run 2: Statistics of WebRTC media

Start at: 2018-07-24 12:37:17
End at: 2018-07-24 12:37:47
Local clock offset: -0.009 ms
Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 86.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 86.457 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.883 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.800 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-24 13:03:39

End at: 2018-07-24 13:04:09

Local clock offset: -0.02 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-07-24 20:15:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 87.017 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 87.054 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 86.308 ms

Loss rate: 0.00%

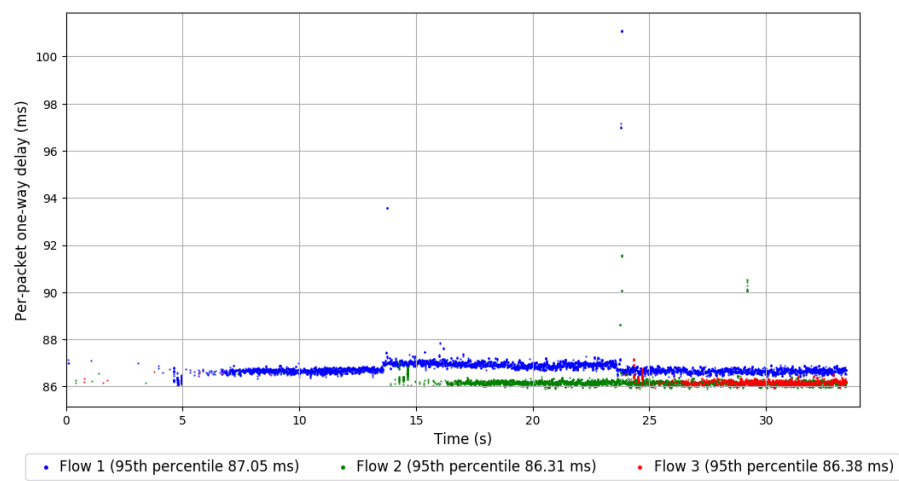
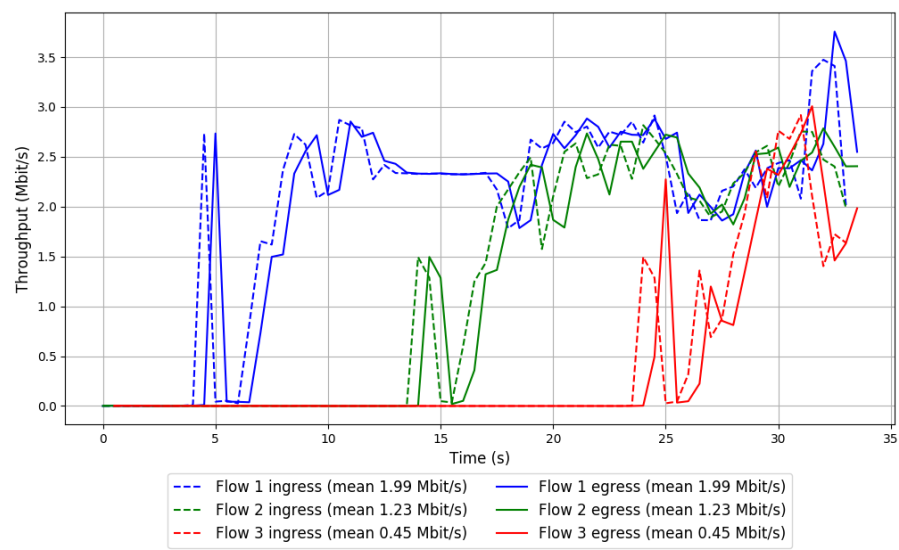
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 86.377 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-24 13:29:40

End at: 2018-07-24 13:30:10

Local clock offset: 0.084 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at 2018-07-24 20:15:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.64 Mbit/s

95th percentile per-packet one-way delay: 86.357 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 86.303 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 86.383 ms

Loss rate: 0.00%

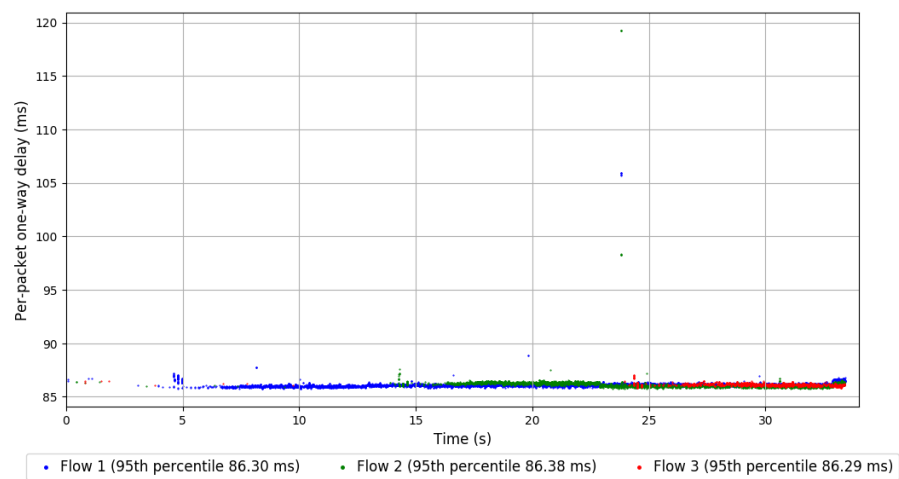
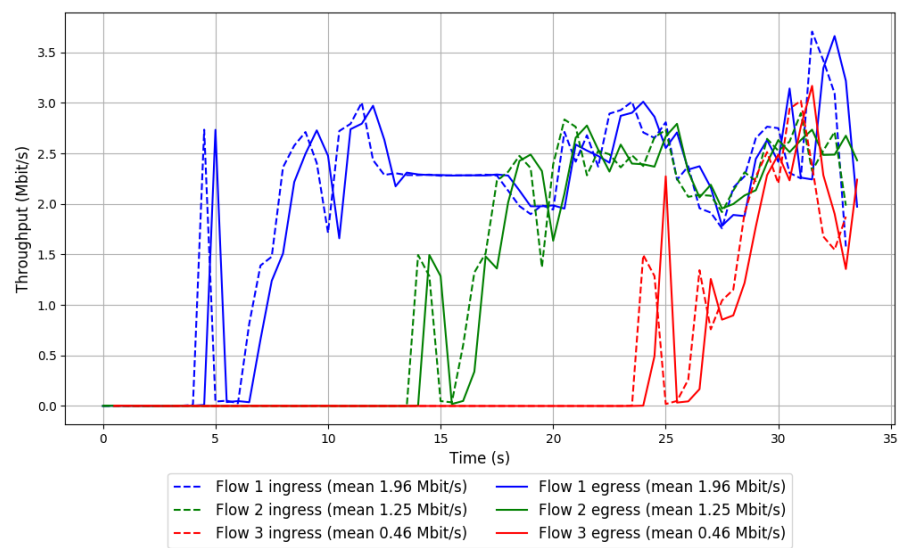
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 86.291 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

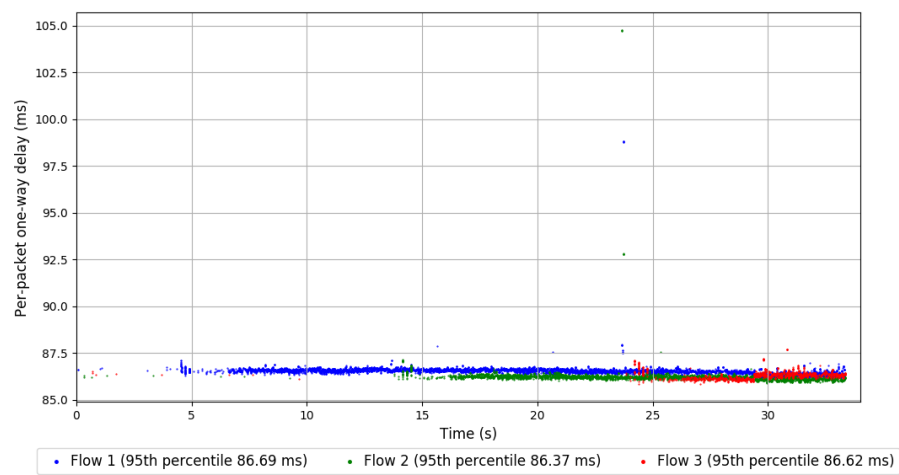
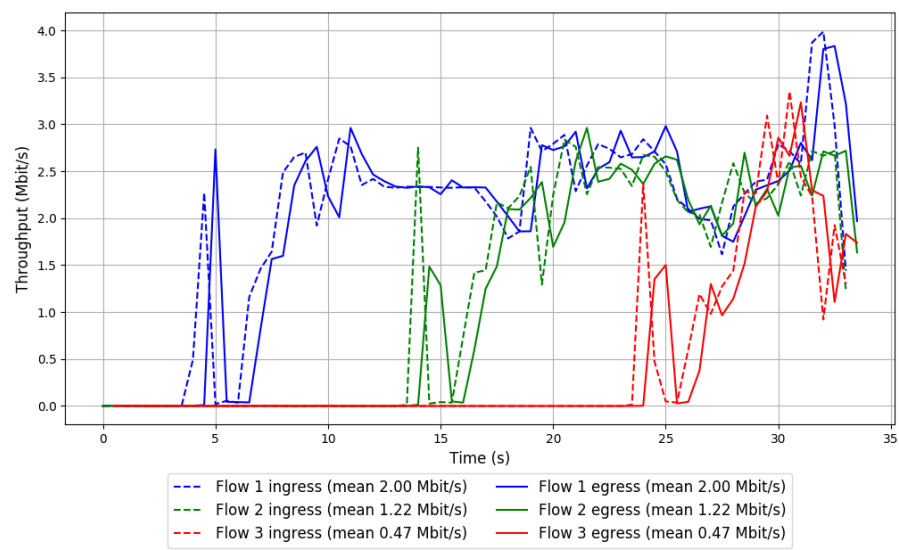


Run 5: Statistics of WebRTC media

Start at: 2018-07-24 13:55:43
End at: 2018-07-24 13:56:13
Local clock offset: 0.093 ms
Remote clock offset: -0.022 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 86.669 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.690 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.371 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

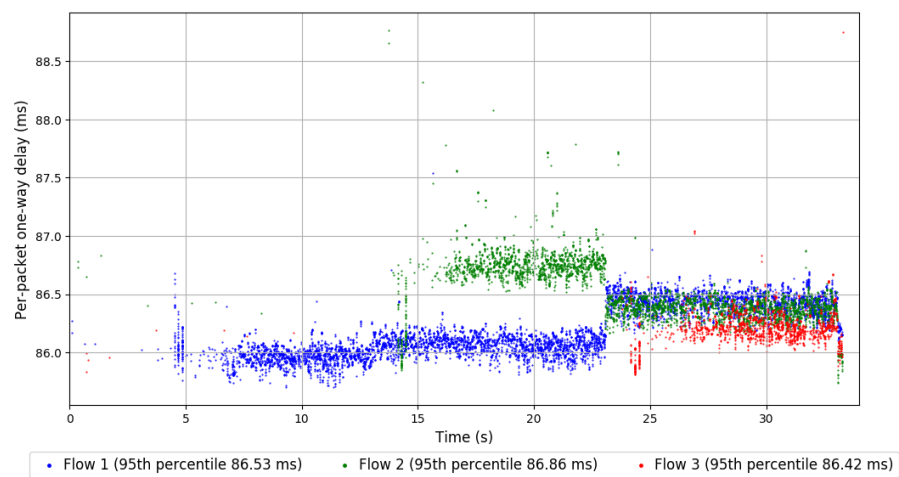
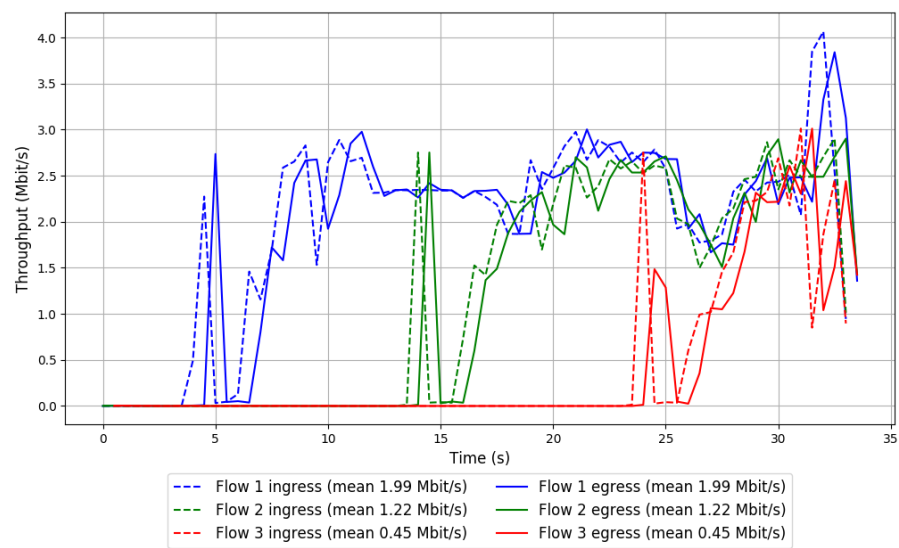


Run 6: Statistics of WebRTC media

Start at: 2018-07-24 14:25:19
End at: 2018-07-24 14:25:49
Local clock offset: 0.015 ms
Remote clock offset: -0.064 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 86.775 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 86.525 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 86.859 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 86.421 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

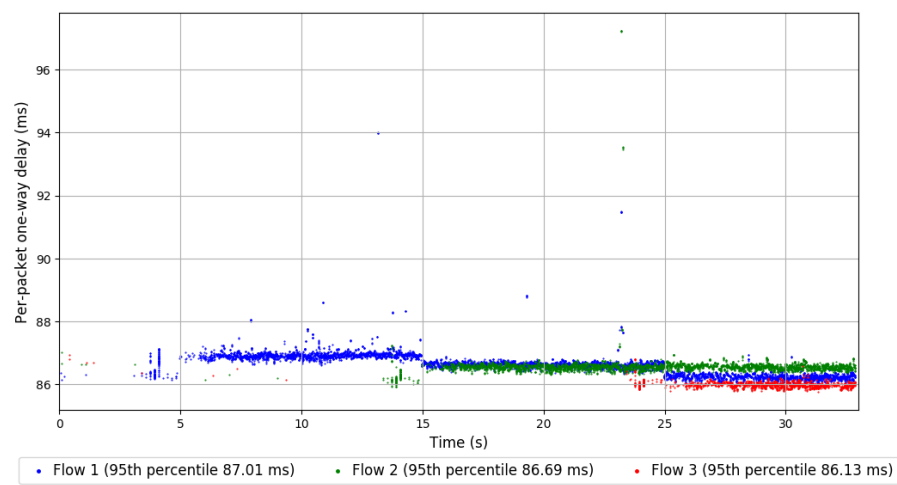
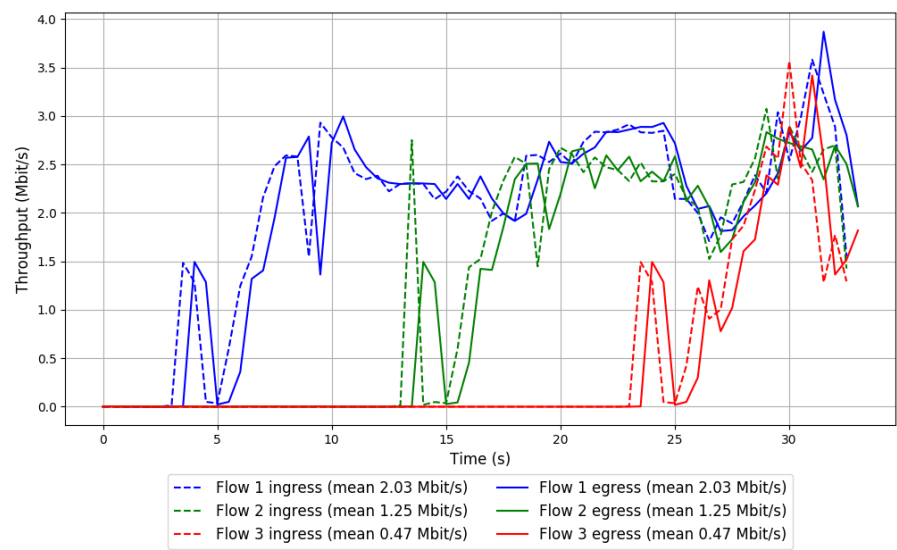


Run 7: Statistics of WebRTC media

Start at: 2018-07-24 14:55:57
End at: 2018-07-24 14:56:27
Local clock offset: 0.089 ms
Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 86.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 86.685 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.128 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

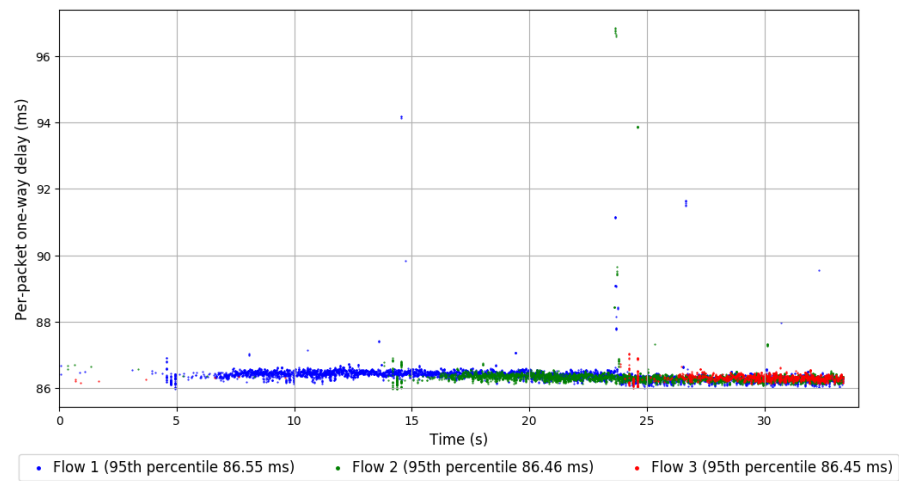
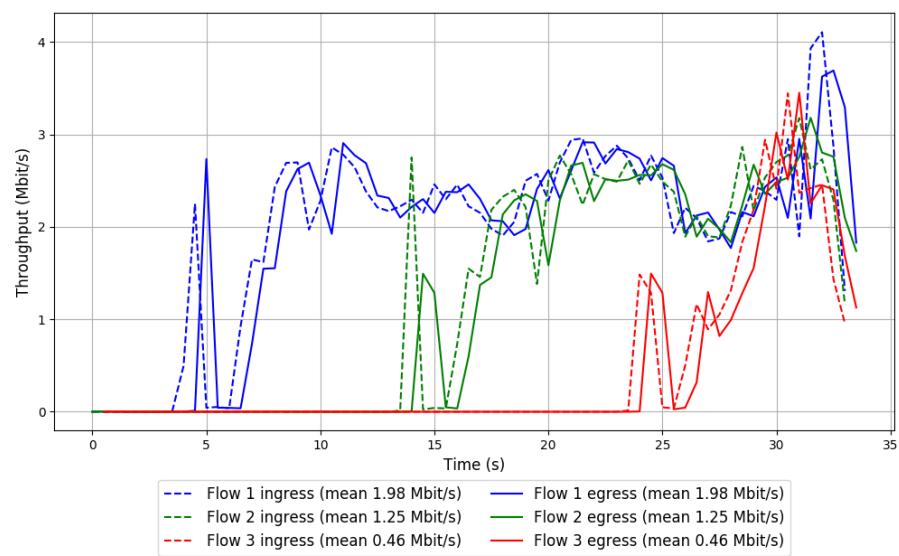


Run 8: Statistics of WebRTC media

Start at: 2018-07-24 15:25:39
End at: 2018-07-24 15:26:09
Local clock offset: 0.01 ms
Remote clock offset: -0.012 ms

```
# Below is generated by plot.py at 2018-07-24 20:15:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 86.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 86.545 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 86.458 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.447 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

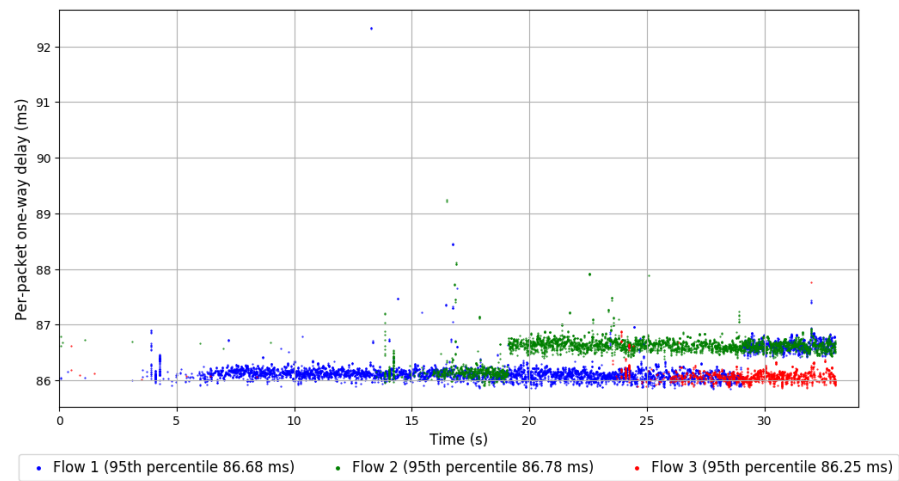
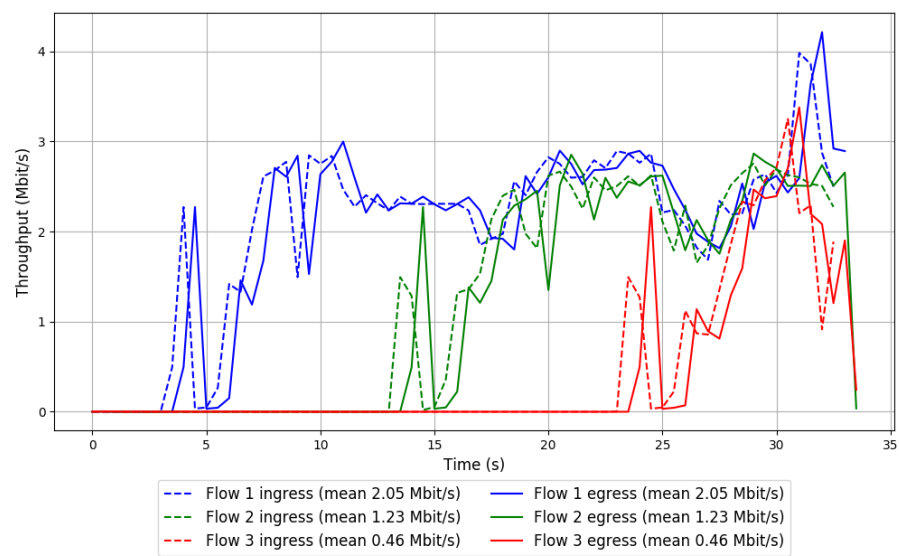


Run 9: Statistics of WebRTC media

Start at: 2018-07-24 15:52:43
End at: 2018-07-24 15:53:13
Local clock offset: -0.014 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 86.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 86.680 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 86.246 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-24 16:22:05
End at: 2018-07-24 16:22:35
Local clock offset: -0.062 ms
Remote clock offset: -0.116 ms

Below is generated by plot.py at 2018-07-24 20:15:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 86.722 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 86.586 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 86.770 ms
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

