

Pantheon Report

Generated at 2018-05-22 07:14:13 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

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

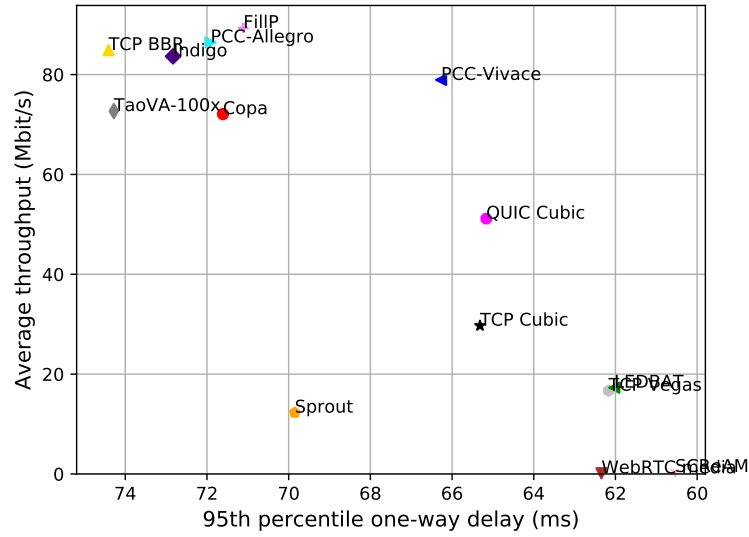
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `ntp.nict.jp` and have been applied to correct the timestamps in logs.

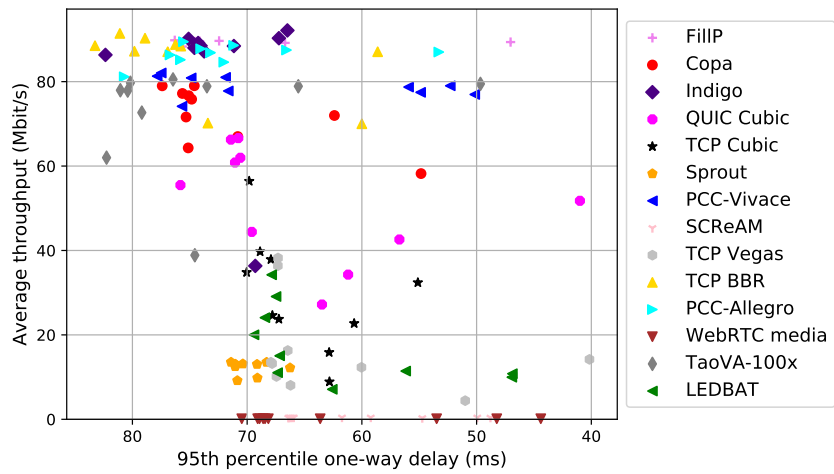
Git summary:

```
branch: master @ 2d1d4407e851ba626e5ca4626a306105793df686
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS Korea Ethernet to China Ethernet, 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	53.78	38.07	18.38	74.19	75.08	74.84	9.60	11.58	11.84
Copa	10	50.89	24.51	14.66	71.33	72.11	72.83	2.73	1.83	1.42
TCP Cubic	10	15.43	16.12	10.62	65.13	65.44	65.45	0.39	0.41	0.71
FillP	10	54.20	38.46	29.01	70.64	71.48	71.88	16.93	18.89	20.98
Indigo	10	53.50	31.30	28.96	72.41	73.11	73.34	18.82	39.82	55.17
LEDBAT	10	10.01	7.84	6.24	62.01	61.96	61.86	0.37	0.33	0.29
PCC-Allegro	10	79.84	6.52	6.90	71.93	72.20	71.42	1.59	2.11	2.49
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	30.07	21.01	21.69	64.18	63.98	65.54	1.31	0.53	0.75
SCReAM	10	0.21	0.18	0.21	60.46	60.52	60.52	0.04	0.26	0.18
Sprout	10	6.40	6.06	5.64	69.81	69.86	69.90	2.55	2.81	3.39
TaoVA-100x	10	65.05	6.25	10.47	74.08	74.40	74.13	4.10	9.01	12.85
TCP Vegas	10	9.15	7.51	7.62	62.09	62.25	62.52	0.60	0.77	0.98
Verus	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC-Vivace	10	67.35	13.53	7.83	66.15	66.72	67.38	0.55	0.81	1.00
WebRTC media	10	0.05	0.04	0.05	61.36	62.25	63.57	1.23	0.03	0.02

Run 1: Statistics of TCP BBR

Start at: 2018-05-22 03:35:07

End at: 2018-05-22 03:35:37

Local clock offset: 2.266 ms

Remote clock offset: 0.662 ms

Below is generated by plot.py at 2018-05-22 07:00:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 75.784 ms

Loss rate: 11.42%

-- Flow 1:

Average throughput: 57.14 Mbit/s

95th percentile per-packet one-way delay: 75.613 ms

Loss rate: 10.35%

-- Flow 2:

Average throughput: 45.21 Mbit/s

95th percentile per-packet one-way delay: 75.876 ms

Loss rate: 13.29%

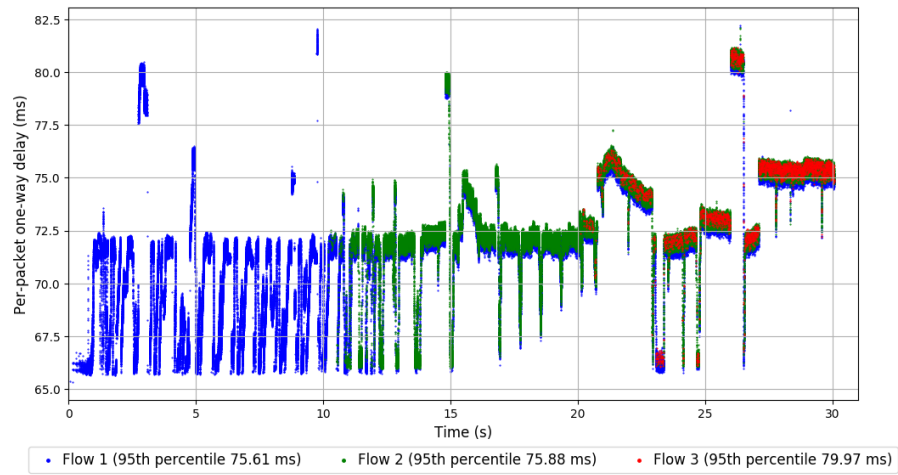
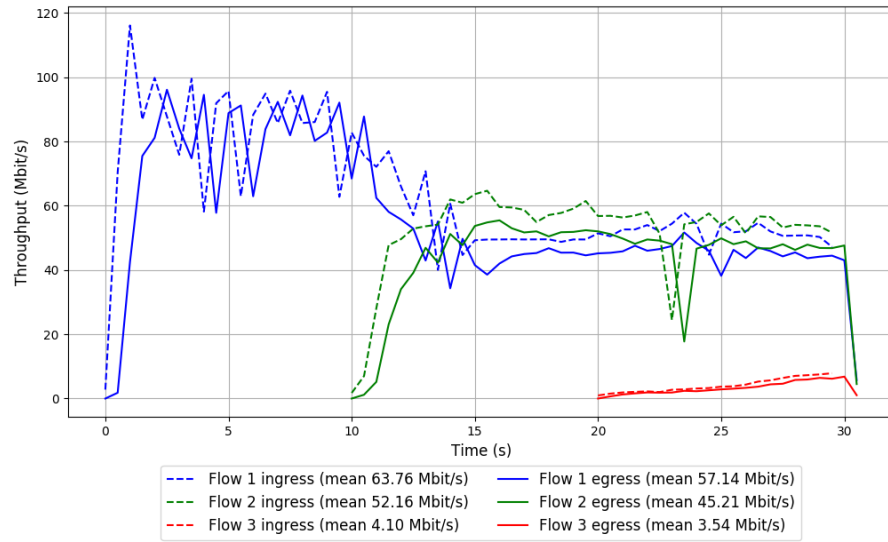
-- Flow 3:

Average throughput: 3.54 Mbit/s

95th percentile per-packet one-way delay: 79.968 ms

Loss rate: 13.58%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-22 03:56:39

End at: 2018-05-22 03:57:09

Local clock offset: 4.78 ms

Remote clock offset: -0.2 ms

Below is generated by plot.py at 2018-05-22 07:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 78.902 ms

Loss rate: 7.26%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 79.000 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 34.57 Mbit/s

95th percentile per-packet one-way delay: 79.024 ms

Loss rate: 7.03%

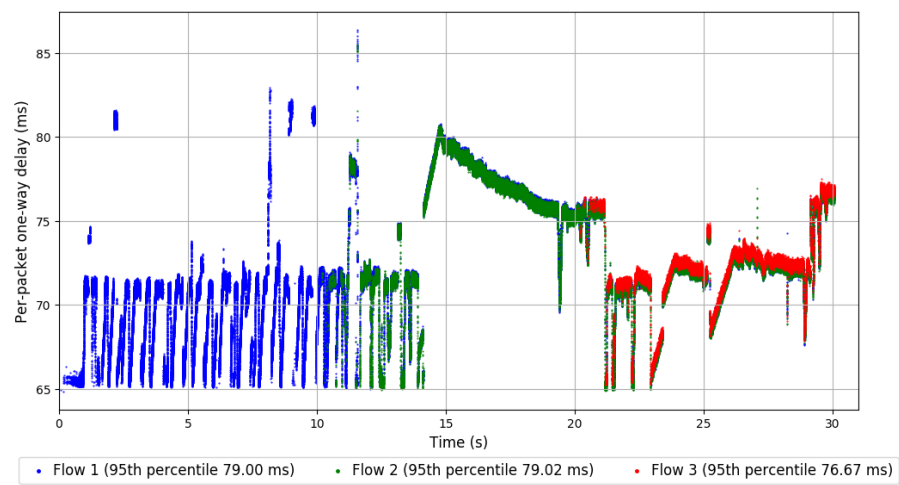
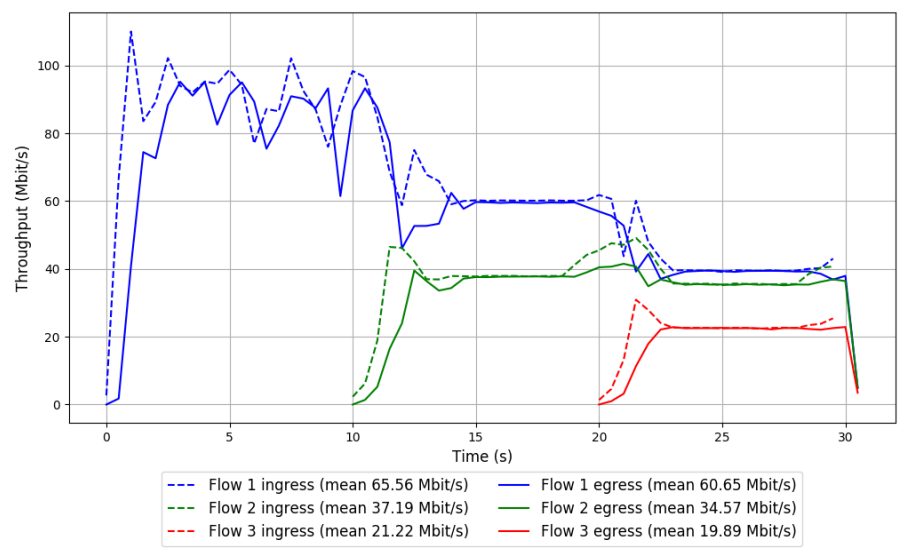
-- Flow 3:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 76.667 ms

Loss rate: 6.25%

Run 2: Report of TCP BBR — Data Link

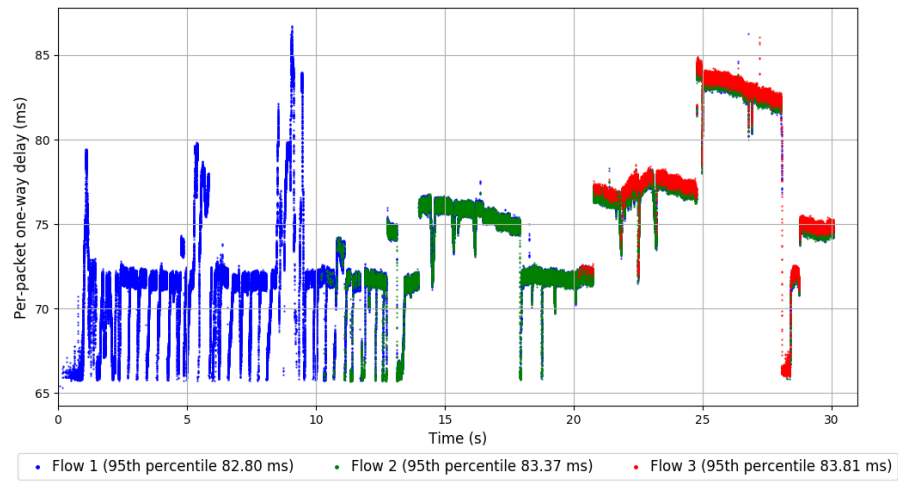
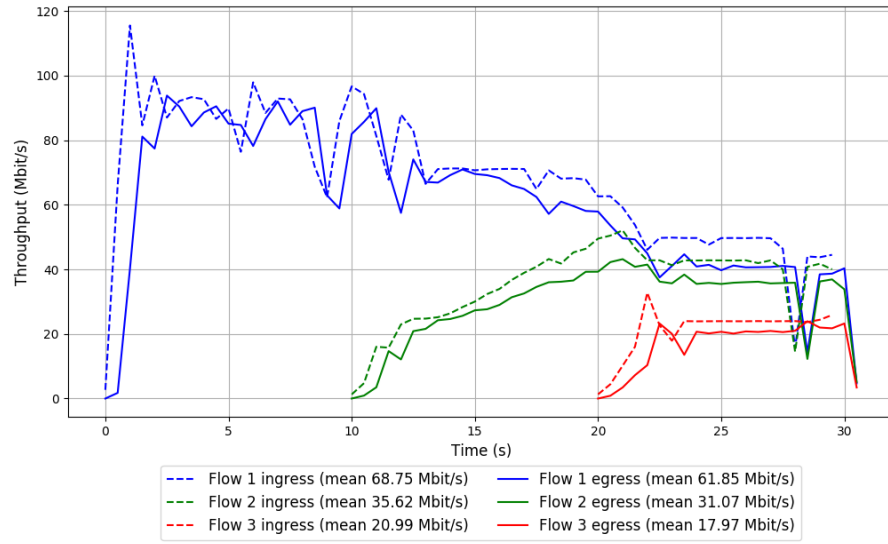


Run 3: Statistics of TCP BBR

Start at: 2018-05-22 04:18:07
End at: 2018-05-22 04:18:37
Local clock offset: -0.897 ms
Remote clock offset: -1.793 ms

Below is generated by plot.py at 2018-05-22 07:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 83.261 ms
Loss rate: 10.96%
-- Flow 1:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 82.797 ms
Loss rate: 10.00%
-- Flow 2:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 83.371 ms
Loss rate: 12.74%
-- Flow 3:
Average throughput: 17.97 Mbit/s
95th percentile per-packet one-way delay: 83.812 ms
Loss rate: 14.36%

Run 3: Report of TCP BBR — Data Link

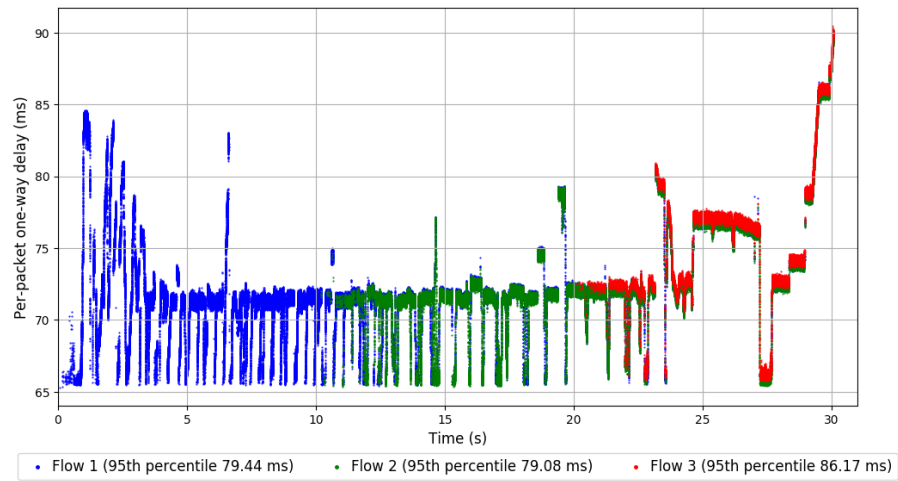
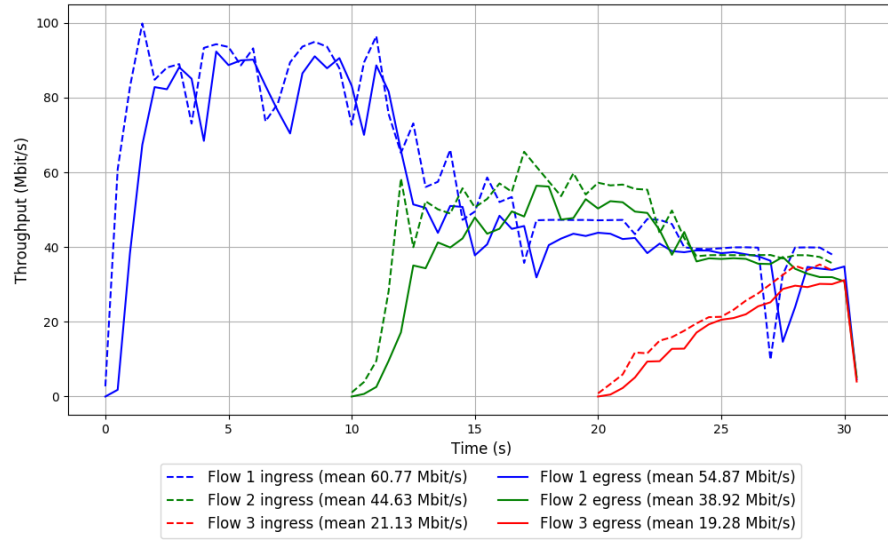


Run 4: Statistics of TCP BBR

Start at: 2018-05-22 04:39:33
End at: 2018-05-22 04:40:03
Local clock offset: -0.577 ms
Remote clock offset: -2.715 ms

Below is generated by plot.py at 2018-05-22 07:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 79.826 ms
Loss rate: 10.50%
-- Flow 1:
Average throughput: 54.87 Mbit/s
95th percentile per-packet one-way delay: 79.443 ms
Loss rate: 9.64%
-- Flow 2:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 79.083 ms
Loss rate: 12.71%
-- Flow 3:
Average throughput: 19.28 Mbit/s
95th percentile per-packet one-way delay: 86.165 ms
Loss rate: 8.61%

Run 4: Report of TCP BBR — Data Link

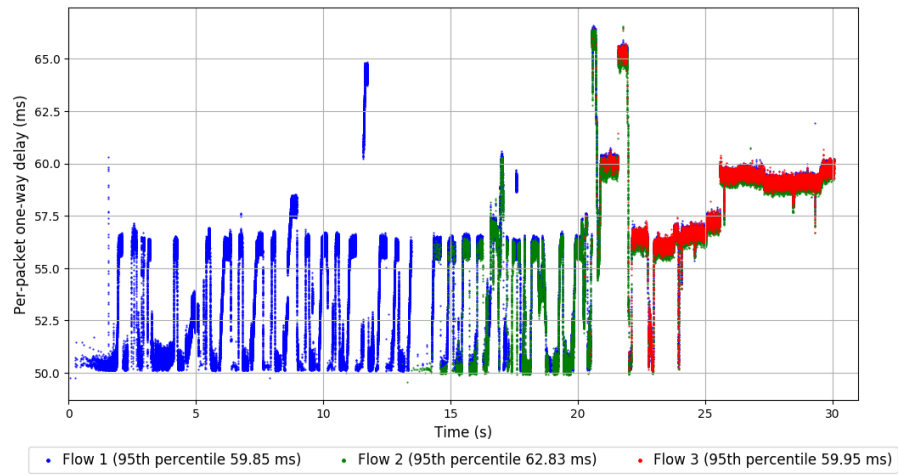
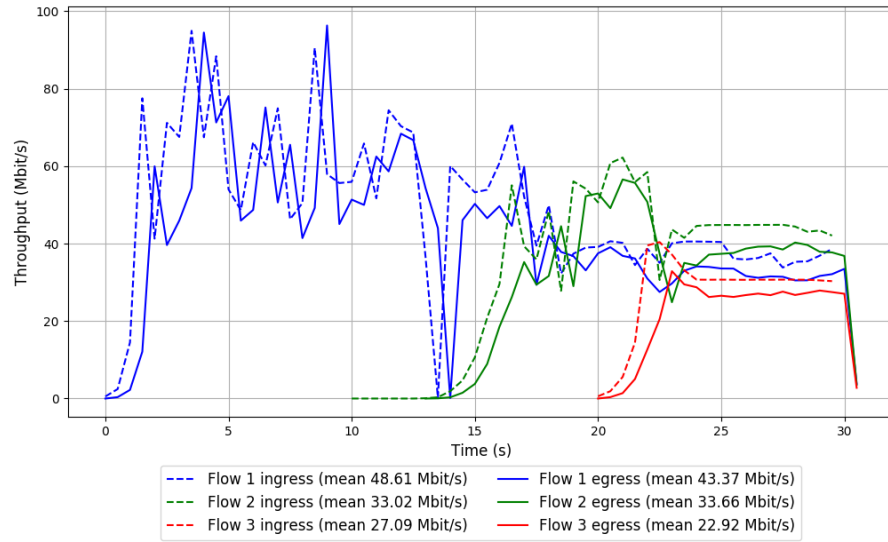


Run 5: Statistics of TCP BBR

Start at: 2018-05-22 05:01:26
End at: 2018-05-22 05:01:56
Local clock offset: -0.504 ms
Remote clock offset: -14.603 ms

Below is generated by plot.py at 2018-05-22 07:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 60.003 ms
Loss rate: 12.03%
-- Flow 1:
Average throughput: 43.37 Mbit/s
95th percentile per-packet one-way delay: 59.850 ms
Loss rate: 10.75%
-- Flow 2:
Average throughput: 33.66 Mbit/s
95th percentile per-packet one-way delay: 62.834 ms
Loss rate: 13.48%
-- Flow 3:
Average throughput: 22.92 Mbit/s
95th percentile per-packet one-way delay: 59.948 ms
Loss rate: 15.37%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-22 05:23:00

End at: 2018-05-22 05:23:30

Local clock offset: -0.509 ms

Remote clock offset: 0.345 ms

Below is generated by plot.py at 2018-05-22 07:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.80 Mbit/s

95th percentile per-packet one-way delay: 76.250 ms

Loss rate: 11.46%

-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 76.017 ms

Loss rate: 10.69%

-- Flow 2:

Average throughput: 40.73 Mbit/s

95th percentile per-packet one-way delay: 77.596 ms

Loss rate: 12.79%

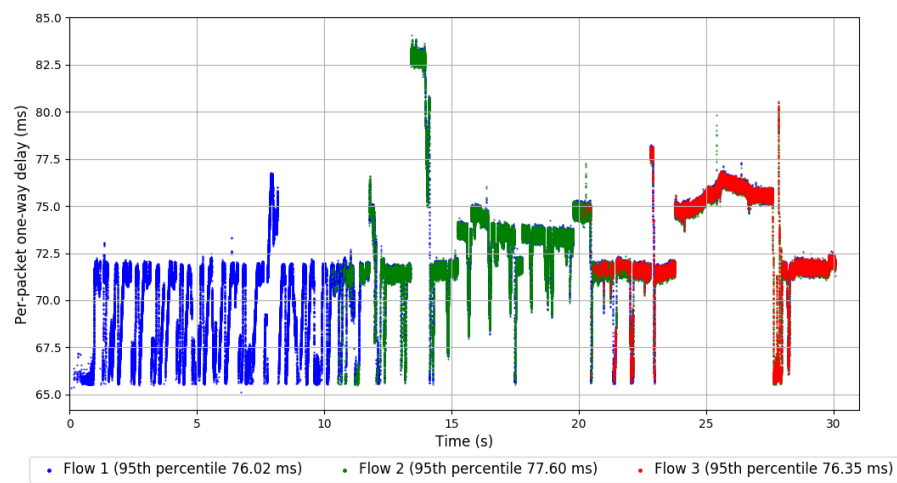
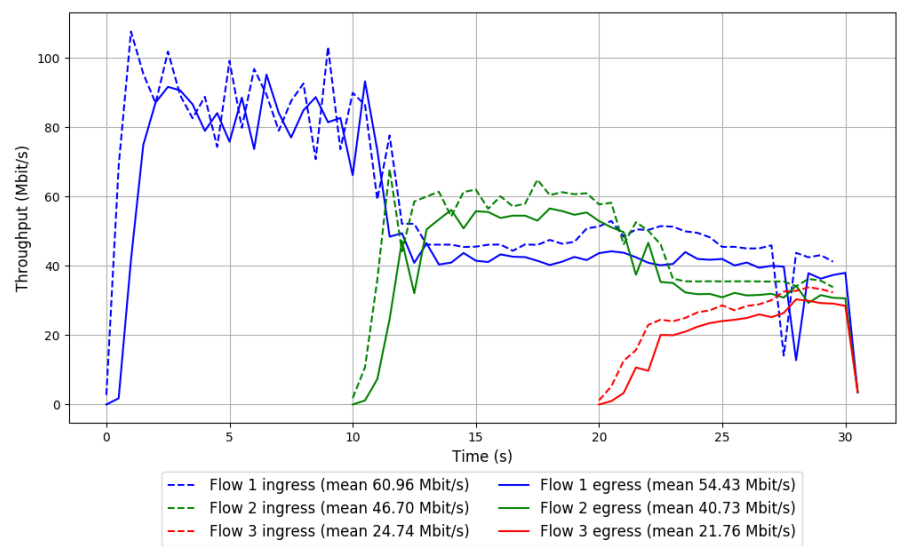
-- Flow 3:

Average throughput: 21.76 Mbit/s

95th percentile per-packet one-way delay: 76.346 ms

Loss rate: 12.07%

Run 6: Report of TCP BBR — Data Link

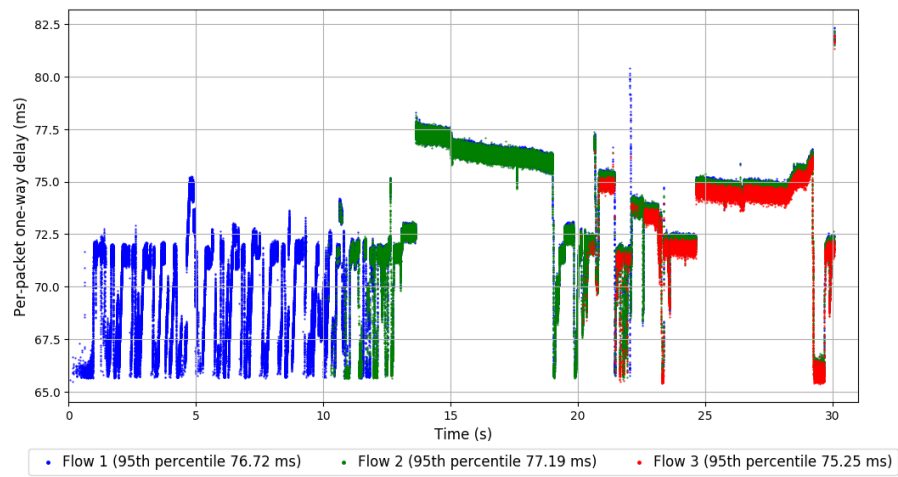
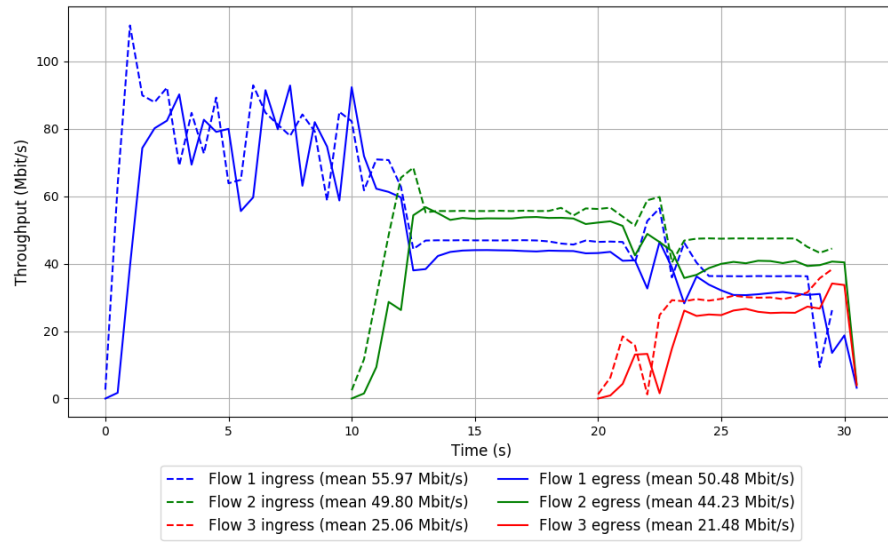


Run 7: Statistics of TCP BBR

Start at: 2018-05-22 05:44:27
End at: 2018-05-22 05:44:57
Local clock offset: 2.574 ms
Remote clock offset: -0.457 ms

Below is generated by plot.py at 2018-05-22 07:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 76.924 ms
Loss rate: 10.60%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 76.717 ms
Loss rate: 9.75%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 77.188 ms
Loss rate: 11.14%
-- Flow 3:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 75.248 ms
Loss rate: 14.20%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-05-22 06:05:51

End at: 2018-05-22 06:06:21

Local clock offset: 0.689 ms

Remote clock offset: 1.555 ms

Below is generated by plot.py at 2018-05-22 07:01:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.43 Mbit/s

95th percentile per-packet one-way delay: 81.093 ms

Loss rate: 9.75%

-- Flow 1:

Average throughput: 62.83 Mbit/s

95th percentile per-packet one-way delay: 80.994 ms

Loss rate: 9.13%

-- Flow 2:

Average throughput: 37.62 Mbit/s

95th percentile per-packet one-way delay: 81.110 ms

Loss rate: 11.13%

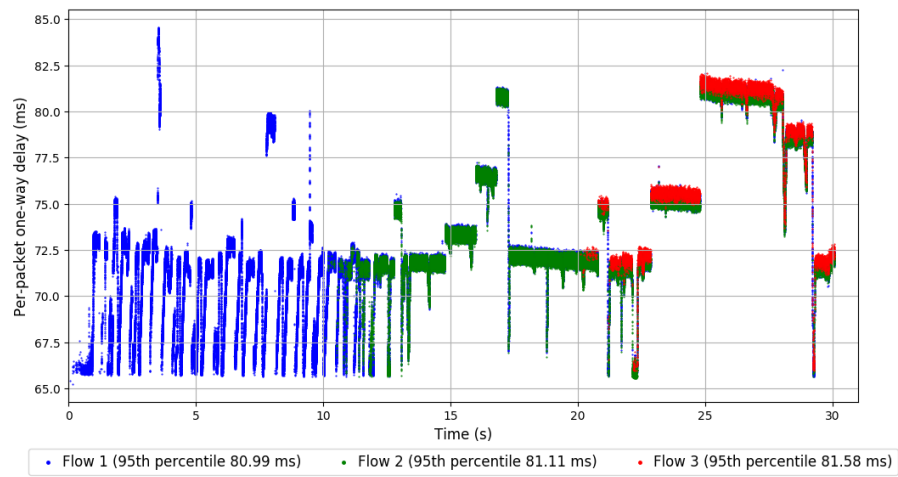
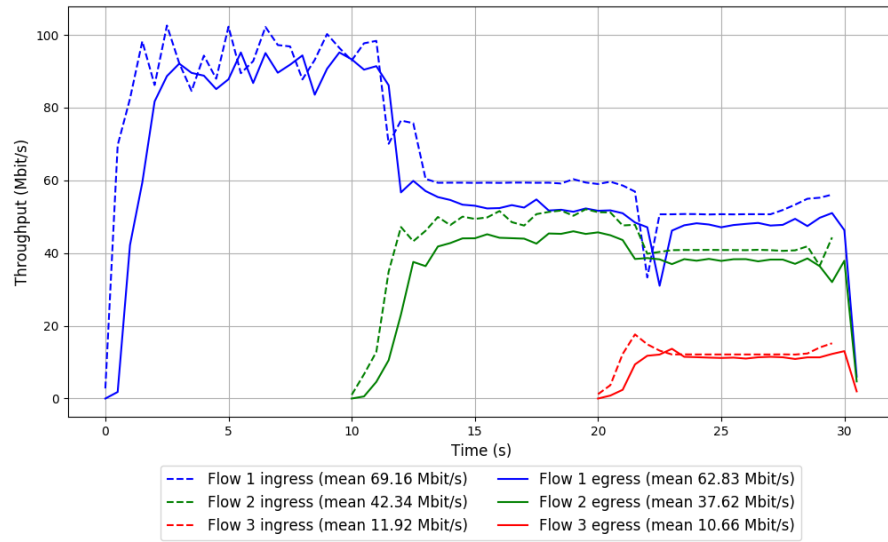
-- Flow 3:

Average throughput: 10.66 Mbit/s

95th percentile per-packet one-way delay: 81.575 ms

Loss rate: 10.58%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-05-22 06:27:55

End at: 2018-05-22 06:28:25

Local clock offset: -0.208 ms

Remote clock offset: 2.605 ms

Below is generated by plot.py at 2018-05-22 07:01:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.18 Mbit/s

95th percentile per-packet one-way delay: 73.423 ms

Loss rate: 7.88%

-- Flow 1:

Average throughput: 42.05 Mbit/s

95th percentile per-packet one-way delay: 73.210 ms

Loss rate: 8.37%

-- Flow 2:

Average throughput: 30.64 Mbit/s

95th percentile per-packet one-way delay: 73.481 ms

Loss rate: 5.89%

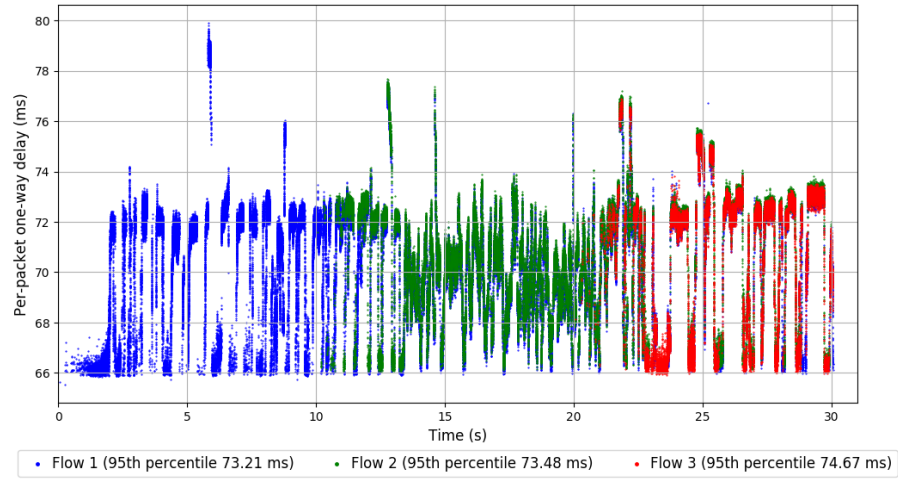
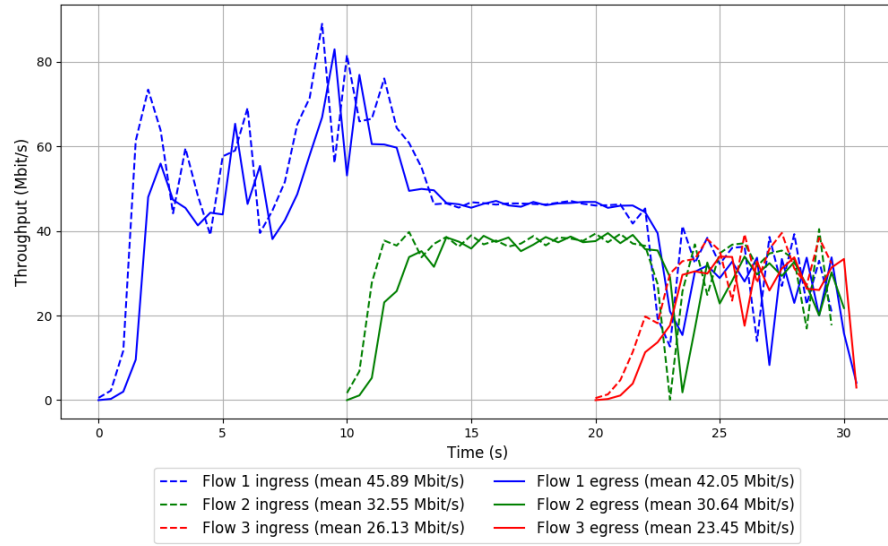
-- Flow 3:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 74.665 ms

Loss rate: 10.23%

Run 9: Report of TCP BBR — Data Link

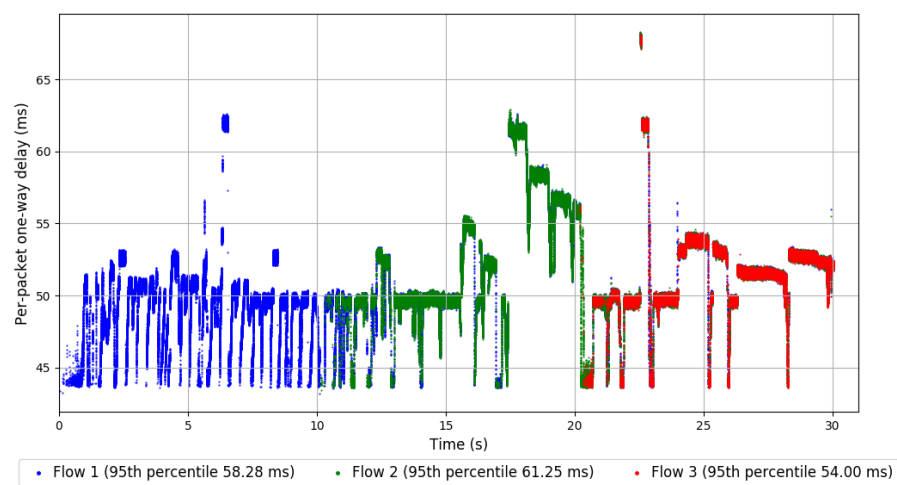
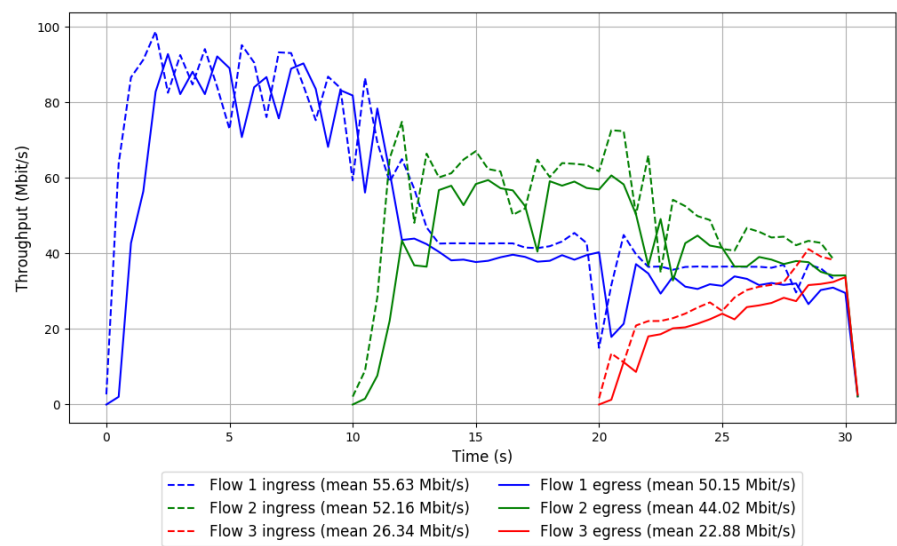


Run 10: Statistics of TCP BBR

Start at: 2018-05-22 06:52:52
End at: 2018-05-22 06:53:22
Local clock offset: 2.885 ms
Remote clock offset: -18.31 ms

Below is generated by plot.py at 2018-05-22 07:01:52
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 58.624 ms
Loss rate: 12.13%
-- Flow 1:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 58.276 ms
Loss rate: 9.82%
-- Flow 2:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 61.247 ms
Loss rate: 15.56%
-- Flow 3:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 53.996 ms
Loss rate: 13.18%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-22 03:20:22

End at: 2018-05-22 03:20:52

Local clock offset: -0.686 ms

Remote clock offset: 1.217 ms

Below is generated by plot.py at 2018-05-22 07:02:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.20 Mbit/s

95th percentile per-packet one-way delay: 75.641 ms

Loss rate: 2.16%

-- Flow 1:

Average throughput: 63.78 Mbit/s

95th percentile per-packet one-way delay: 75.545 ms

Loss rate: 2.21%

-- Flow 2:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 75.968 ms

Loss rate: 1.65%

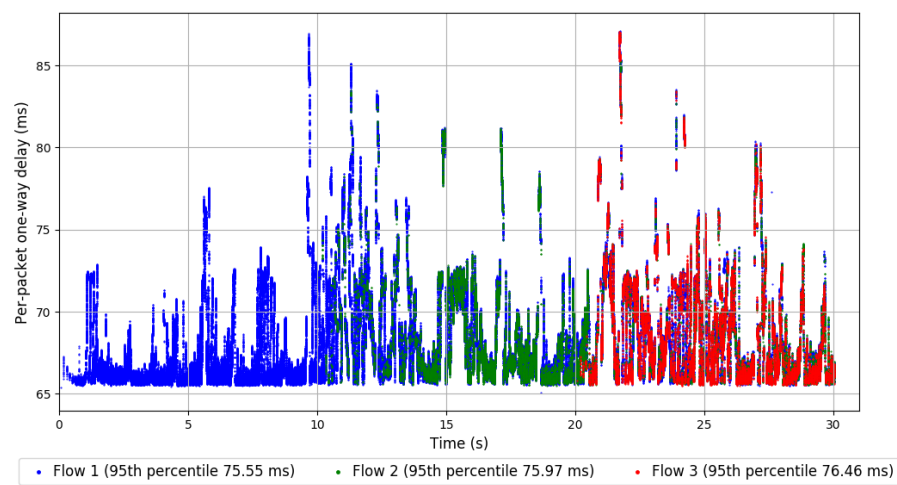
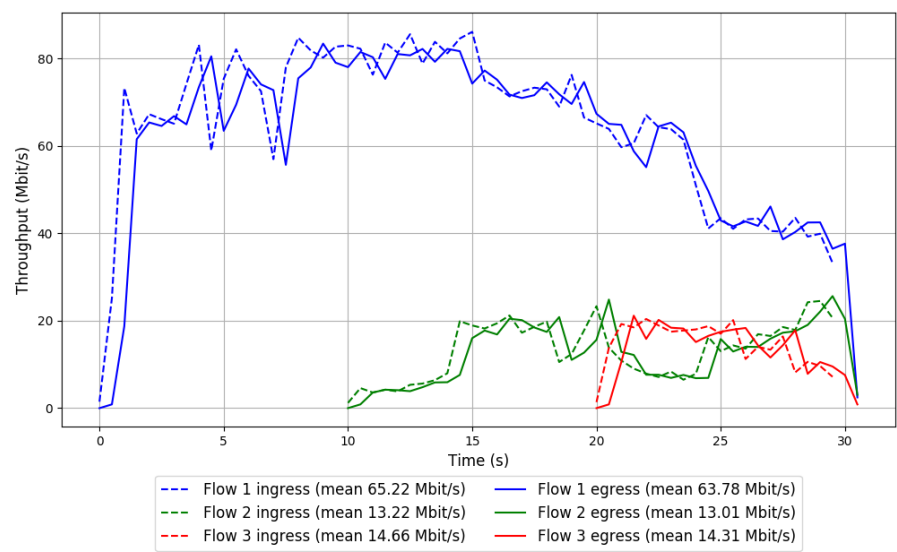
-- Flow 3:

Average throughput: 14.31 Mbit/s

95th percentile per-packet one-way delay: 76.459 ms

Loss rate: 2.36%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-22 03:41:52

End at: 2018-05-22 03:42:22

Local clock offset: 3.416 ms

Remote clock offset: 0.272 ms

Below is generated by plot.py at 2018-05-22 07:02:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.03 Mbit/s

95th percentile per-packet one-way delay: 74.606 ms

Loss rate: 2.07%

-- Flow 1:

Average throughput: 43.52 Mbit/s

95th percentile per-packet one-way delay: 74.734 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 74.480 ms

Loss rate: 3.18%

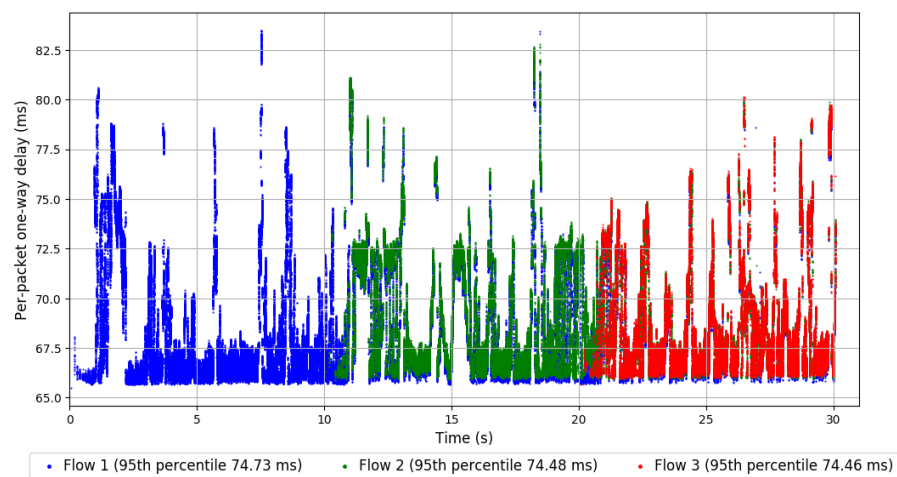
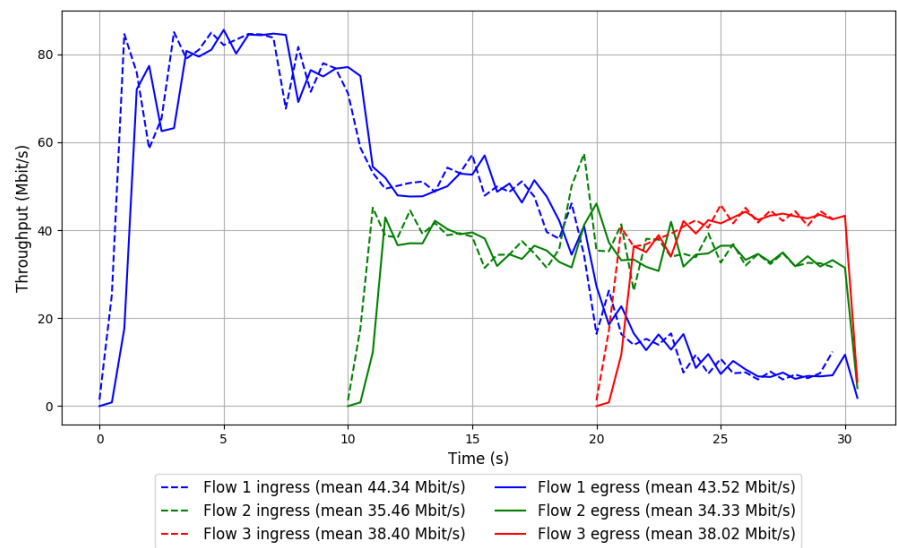
-- Flow 3:

Average throughput: 38.02 Mbit/s

95th percentile per-packet one-way delay: 74.457 ms

Loss rate: 0.91%

Run 2: Report of Copa — Data Link

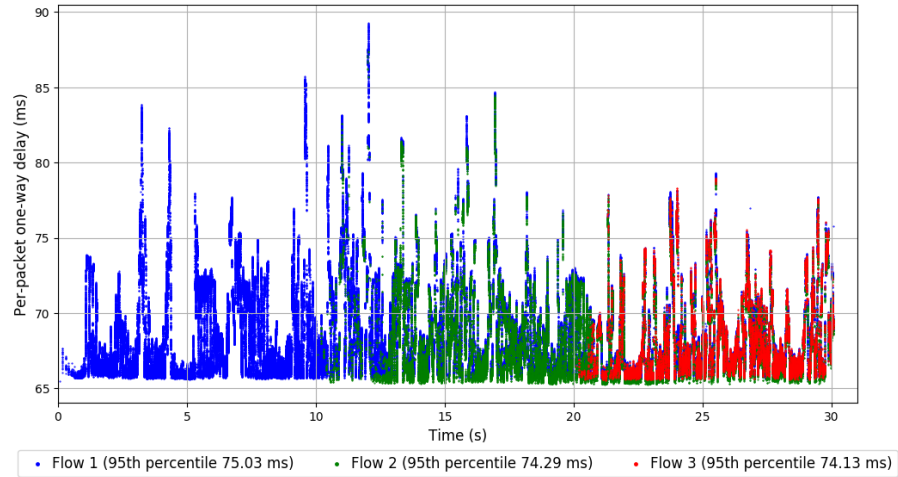
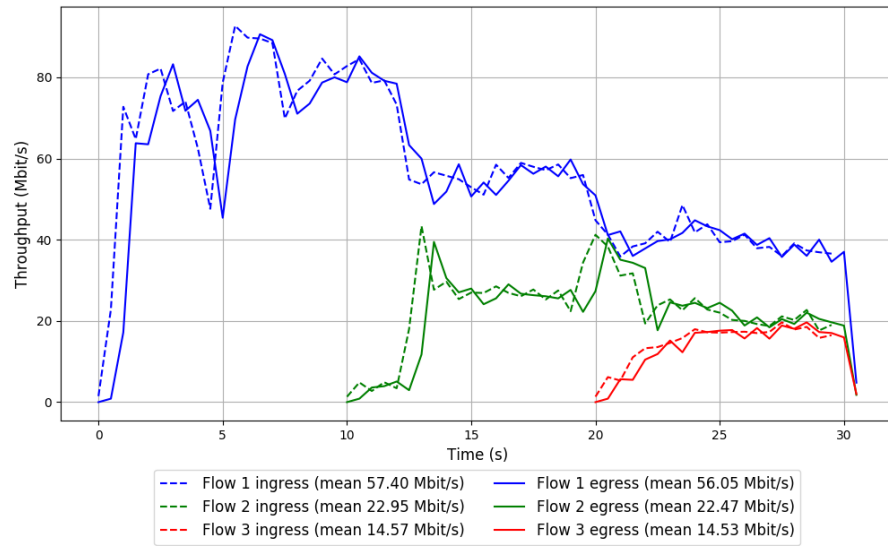


Run 3: Statistics of Copa

Start at: 2018-05-22 04:03:23
End at: 2018-05-22 04:03:53
Local clock offset: 1.691 ms
Remote clock offset: -0.297 ms

Below is generated by plot.py at 2018-05-22 07:02:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 75.84 Mbit/s
95th percentile per-packet one-way delay: 74.837 ms
Loss rate: 2.15%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 75.026 ms
Loss rate: 2.33%
-- Flow 2:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: 74.289 ms
Loss rate: 2.09%
-- Flow 3:
Average throughput: 14.53 Mbit/s
95th percentile per-packet one-way delay: 74.132 ms
Loss rate: 0.27%

Run 3: Report of Copa — Data Link

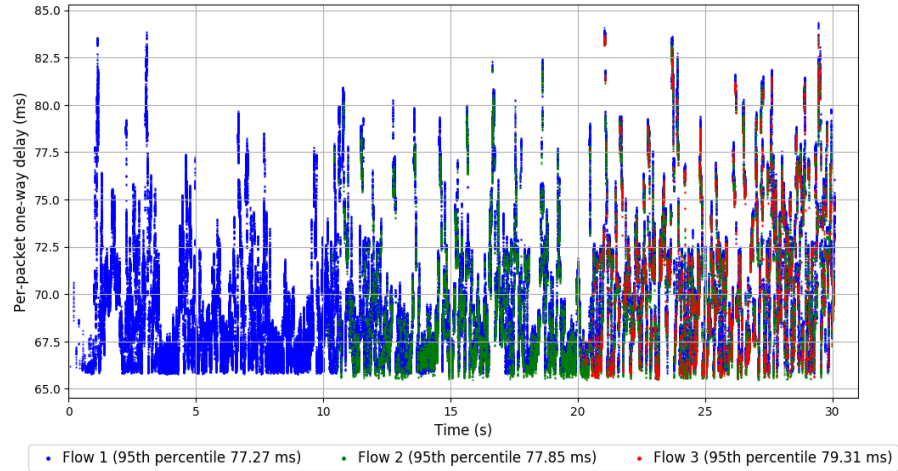
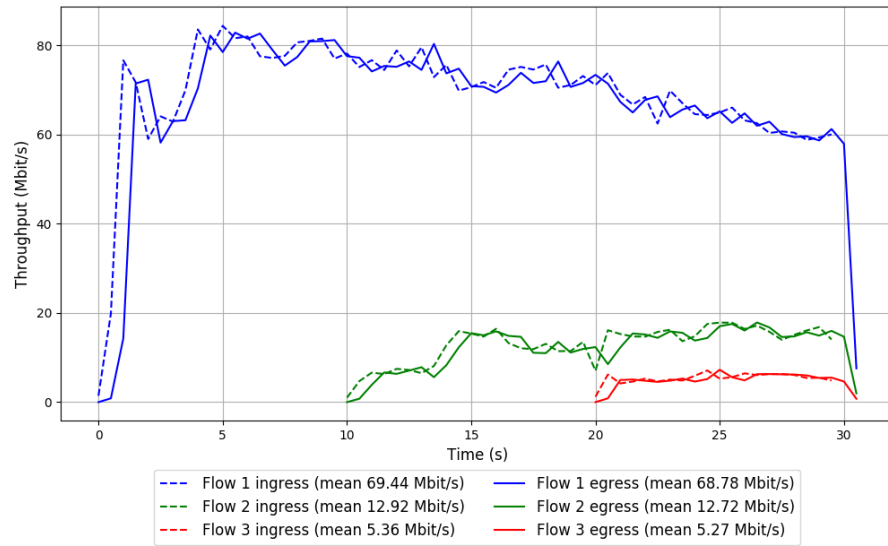


Run 4: Statistics of Copa

Start at: 2018-05-22 04:24:51
End at: 2018-05-22 04:25:21
Local clock offset: -1.205 ms
Remote clock offset: -2.219 ms

Below is generated by plot.py at 2018-05-22 07:02:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.01 Mbit/s
95th percentile per-packet one-way delay: 77.402 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 68.78 Mbit/s
95th percentile per-packet one-way delay: 77.272 ms
Loss rate: 0.92%
-- Flow 2:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 77.851 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 5.27 Mbit/s
95th percentile per-packet one-way delay: 79.312 ms
Loss rate: 1.62%

Run 4: Report of Copa — Data Link

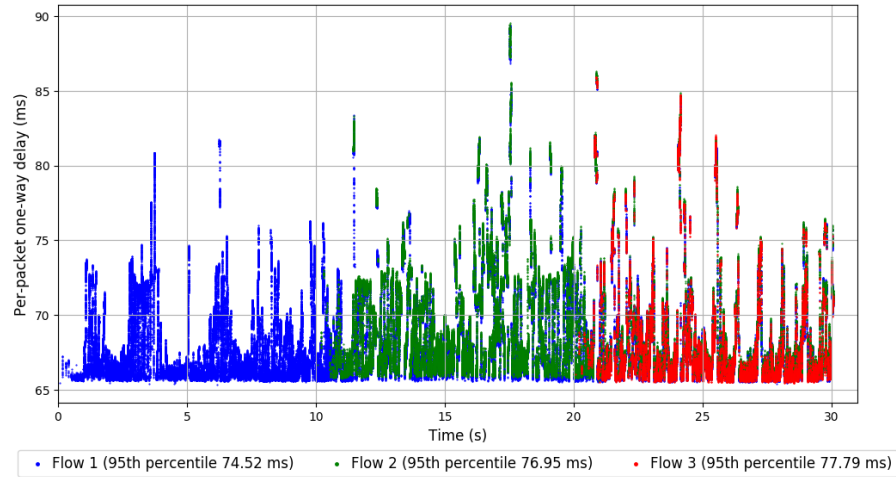
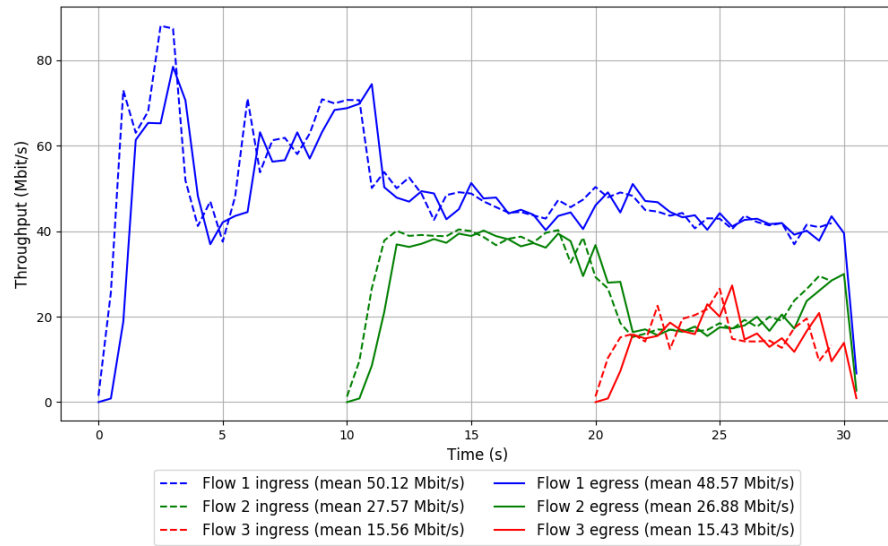


Run 5: Statistics of Copa

Start at: 2018-05-22 04:46:18
End at: 2018-05-22 04:46:48
Local clock offset: -0.764 ms
Remote clock offset: -1.094 ms

Below is generated by plot.py at 2018-05-22 07:02:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 75.325 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 48.57 Mbit/s
95th percentile per-packet one-way delay: 74.520 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 26.88 Mbit/s
95th percentile per-packet one-way delay: 76.947 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: 77.787 ms
Loss rate: 0.80%

Run 5: Report of Copa — Data Link

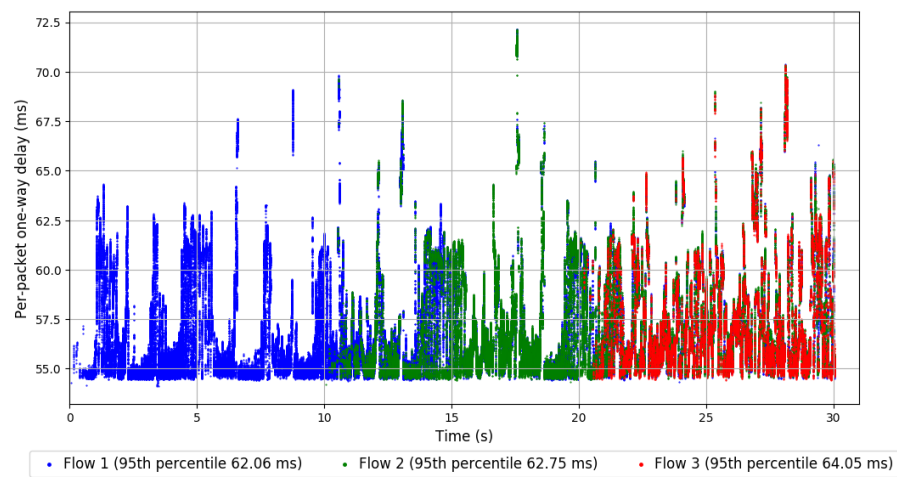
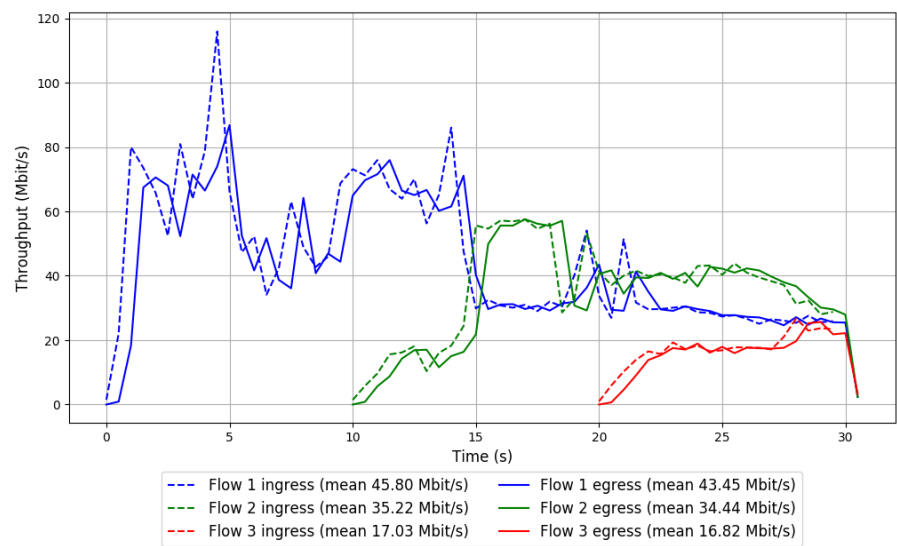


Run 6: Statistics of Copa

Start at: 2018-05-22 05:08:17
End at: 2018-05-22 05:08:47
Local clock offset: -0.499 ms
Remote clock offset: -9.864 ms

Below is generated by plot.py at 2018-05-22 07:02:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 71.98 Mbit/s
95th percentile per-packet one-way delay: 62.393 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 62.058 ms
Loss rate: 5.12%
-- Flow 2:
Average throughput: 34.44 Mbit/s
95th percentile per-packet one-way delay: 62.751 ms
Loss rate: 2.22%
-- Flow 3:
Average throughput: 16.82 Mbit/s
95th percentile per-packet one-way delay: 64.045 ms
Loss rate: 1.34%

Run 6: Report of Copa — Data Link

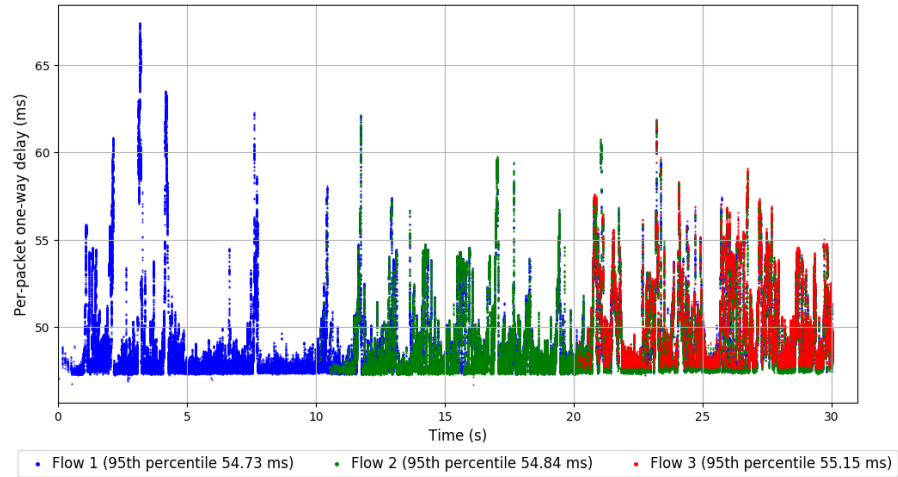
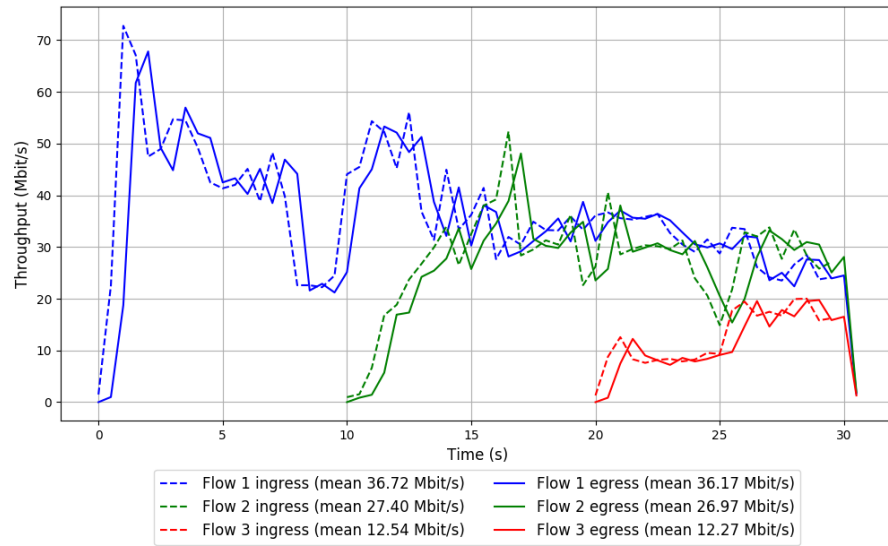


Run 7: Statistics of Copa

Start at: 2018-05-22 05:29:45
End at: 2018-05-22 05:30:15
Local clock offset: 0.476 ms
Remote clock offset: -18.455 ms

Below is generated by plot.py at 2018-05-22 07:03:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 54.842 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 36.17 Mbit/s
95th percentile per-packet one-way delay: 54.726 ms
Loss rate: 1.50%
-- Flow 2:
Average throughput: 26.97 Mbit/s
95th percentile per-packet one-way delay: 54.843 ms
Loss rate: 1.56%
-- Flow 3:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 55.147 ms
Loss rate: 2.17%

Run 7: Report of Copa — Data Link

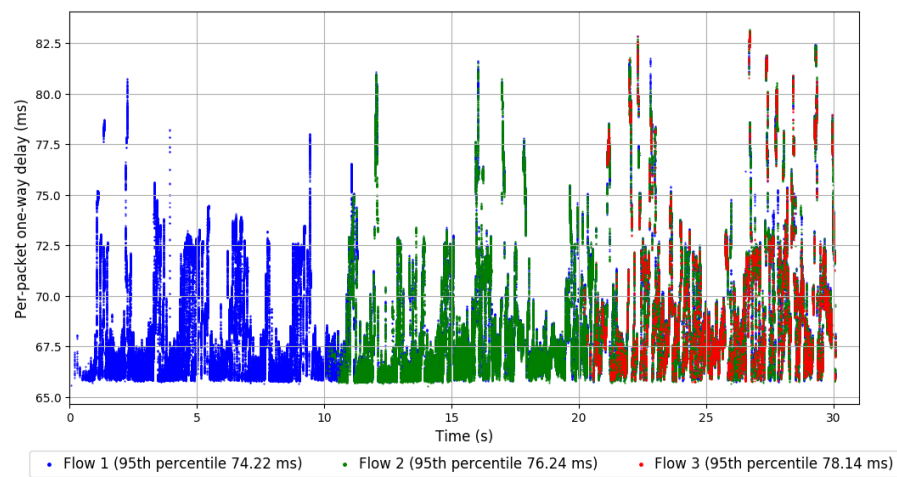
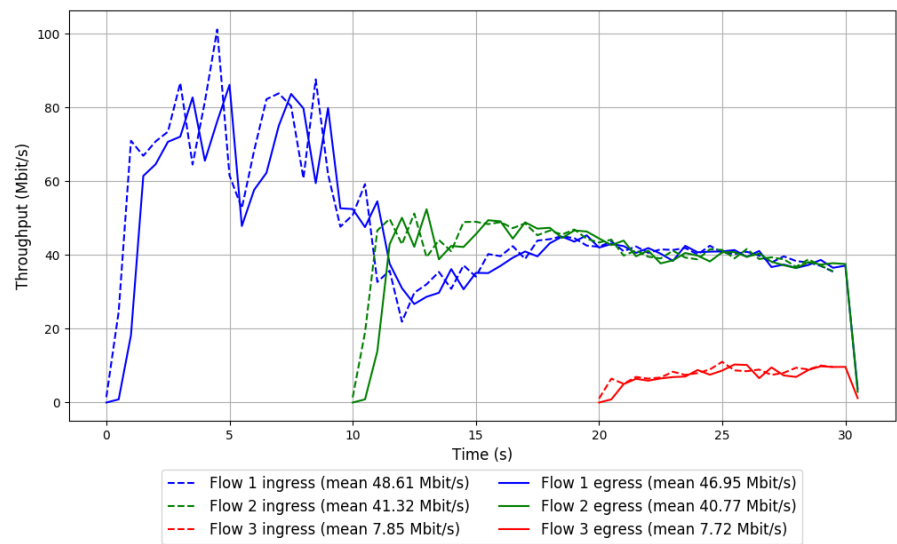


Run 8: Statistics of Copa

Start at: 2018-05-22 05:51:12
End at: 2018-05-22 05:51:42
Local clock offset: 2.834 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-05-22 07:03:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.67 Mbit/s
95th percentile per-packet one-way delay: 75.093 ms
Loss rate: 2.62%
-- Flow 1:
Average throughput: 46.95 Mbit/s
95th percentile per-packet one-way delay: 74.225 ms
Loss rate: 3.42%
-- Flow 2:
Average throughput: 40.77 Mbit/s
95th percentile per-packet one-way delay: 76.243 ms
Loss rate: 1.31%
-- Flow 3:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 78.144 ms
Loss rate: 1.69%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-05-22 06:12:36

End at: 2018-05-22 06:13:06

Local clock offset: 0.065 ms

Remote clock offset: 1.519 ms

Below is generated by plot.py at 2018-05-22 07:04:03

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.30 Mbit/s

95th percentile per-packet one-way delay: 75.137 ms

Loss rate: 3.25%

-- Flow 1:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 74.800 ms

Loss rate: 3.70%

-- Flow 2:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 76.035 ms

Loss rate: 1.42%

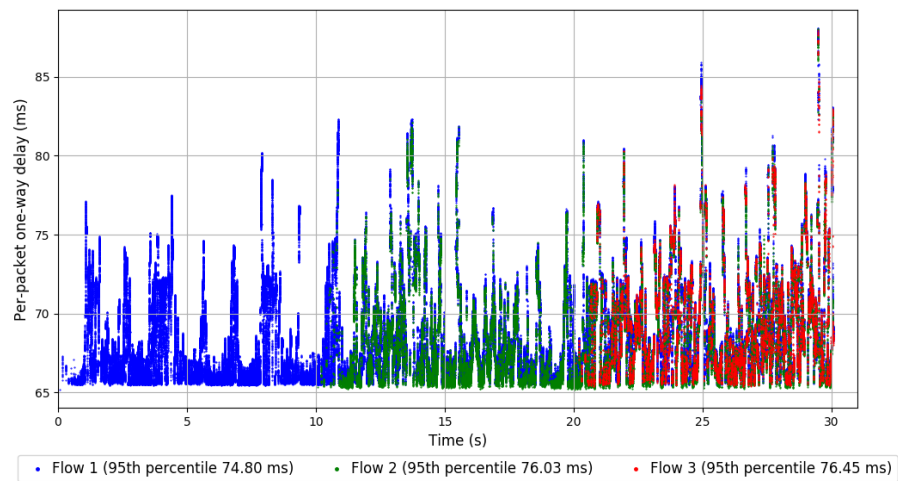
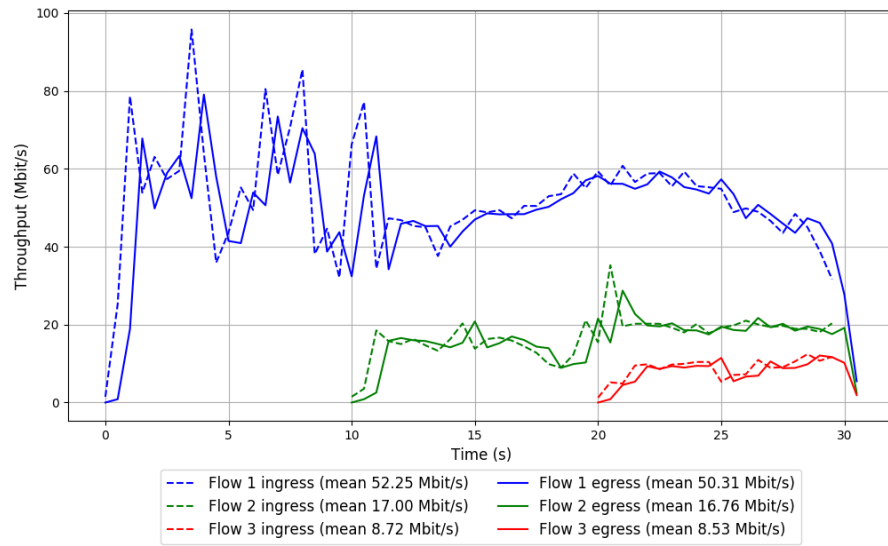
-- Flow 3:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 76.451 ms

Loss rate: 2.12%

Run 9: Report of Copa — Data Link

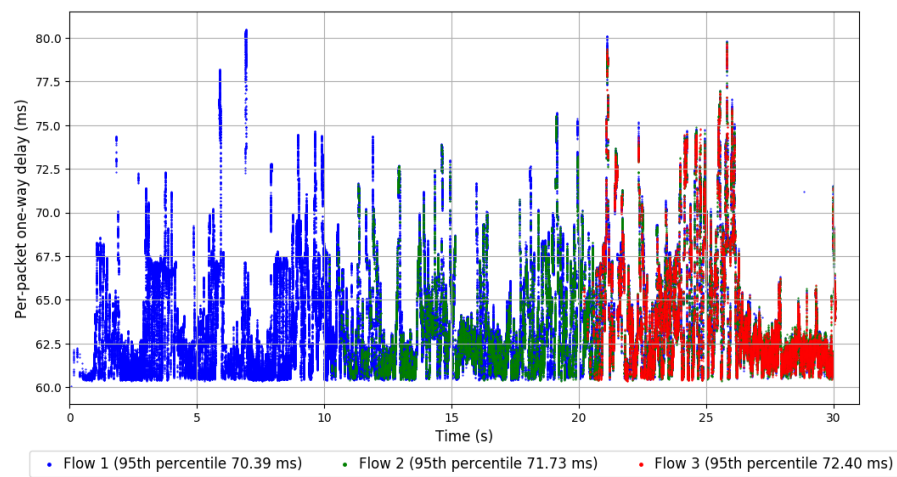
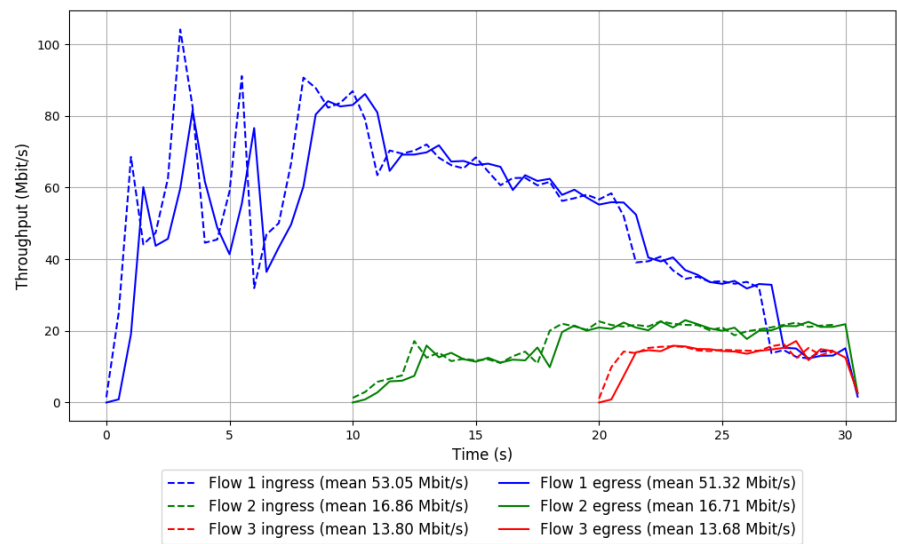


Run 10: Statistics of Copa

Start at: 2018-05-22 06:38:10
End at: 2018-05-22 06:38:40
Local clock offset: 1.928 ms
Remote clock offset: -2.496 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 70.817 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: 70.391 ms
Loss rate: 3.25%
-- Flow 2:
Average throughput: 16.71 Mbit/s
95th percentile per-packet one-way delay: 71.727 ms
Loss rate: 0.90%
-- Flow 3:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 72.404 ms
Loss rate: 0.89%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-22 03:29:53

End at: 2018-05-22 03:30:23

Local clock offset: 0.676 ms

Remote clock offset: 0.978 ms

Below is generated by plot.py at 2018-05-22 07:04:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.87 Mbit/s

95th percentile per-packet one-way delay: 67.925 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 67.657 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 68.046 ms

Loss rate: 0.38%

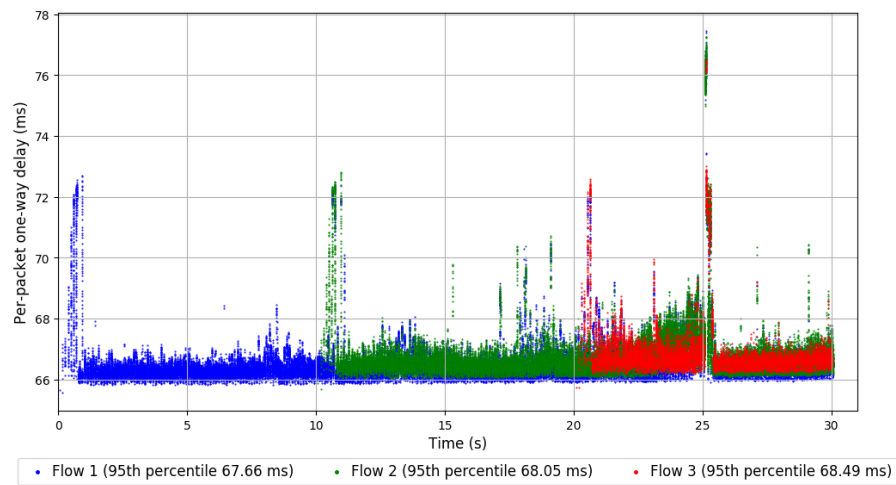
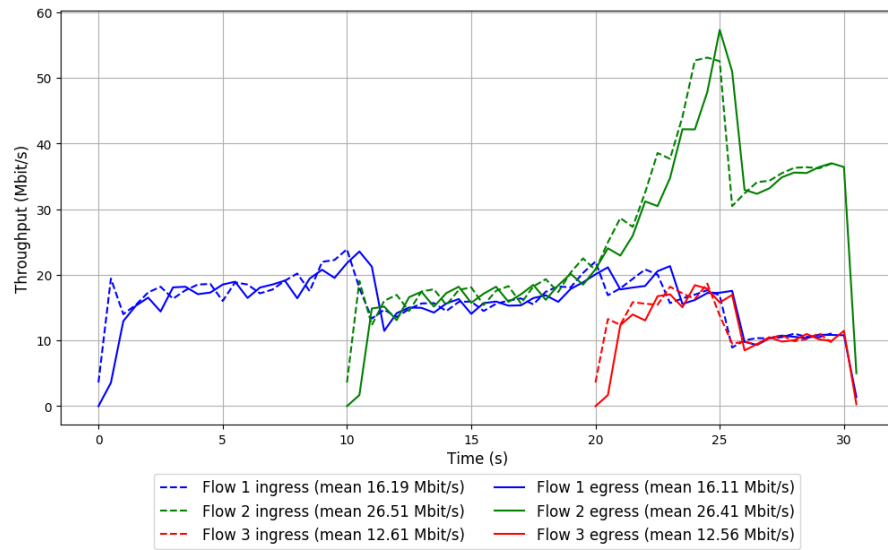
-- Flow 3:

Average throughput: 12.56 Mbit/s

95th percentile per-packet one-way delay: 68.494 ms

Loss rate: 0.38%

Run 1: Report of TCP Cubic — Data Link

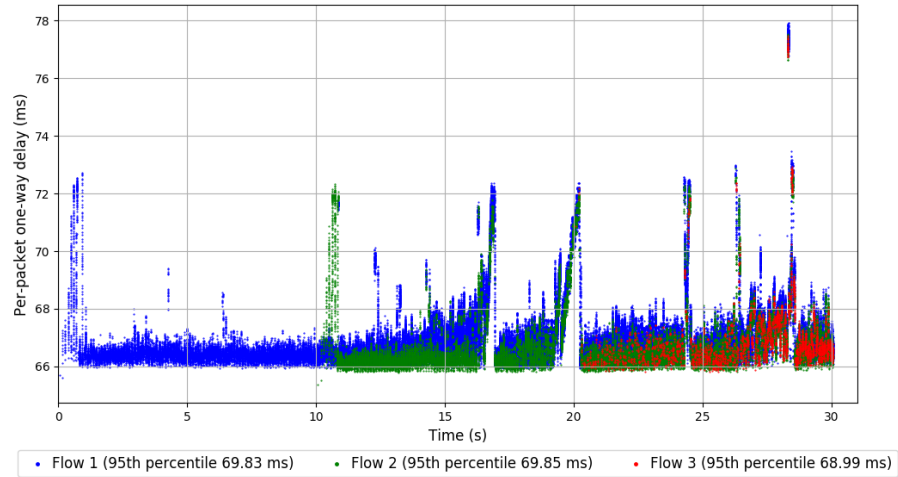
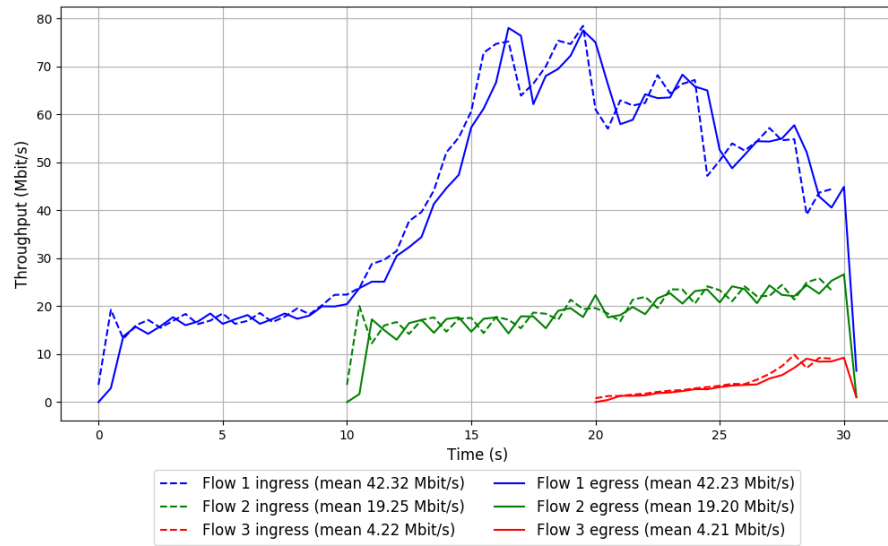


Run 2: Statistics of TCP Cubic

Start at: 2018-05-22 03:51:24
End at: 2018-05-22 03:51:54
Local clock offset: 4.182 ms
Remote clock offset: -0.073 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 56.42 Mbit/s
95th percentile per-packet one-way delay: 69.821 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 42.23 Mbit/s
95th percentile per-packet one-way delay: 69.833 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 69.851 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 68.989 ms
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link

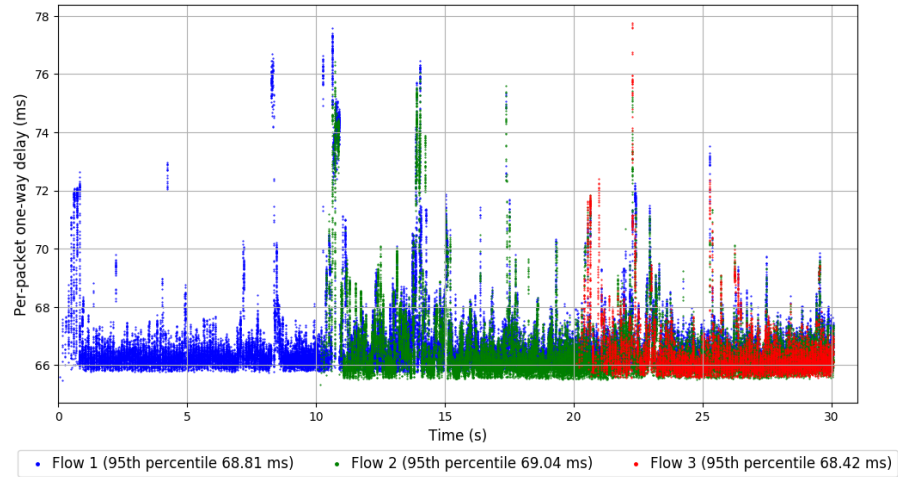
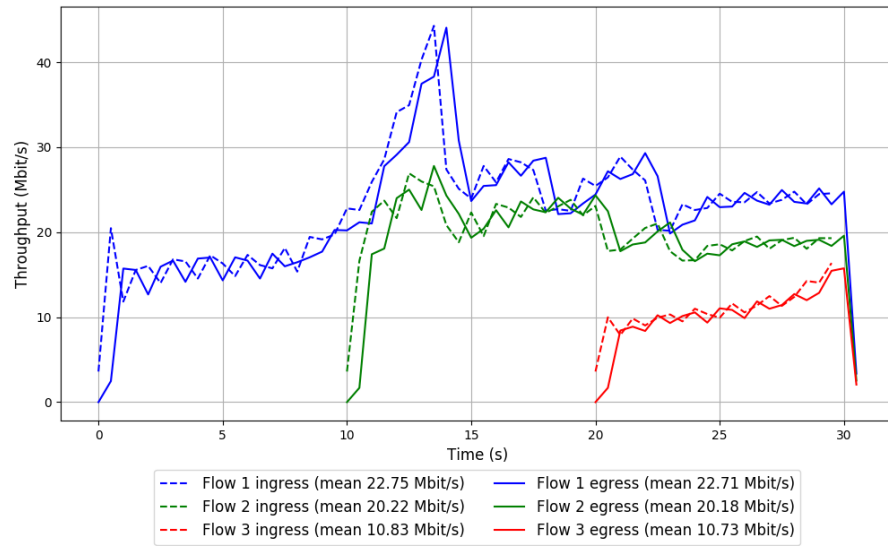


Run 3: Statistics of TCP Cubic

Start at: 2018-05-22 04:12:54
End at: 2018-05-22 04:13:24
Local clock offset: -0.348 ms
Remote clock offset: -1.392 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 68.871 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 22.71 Mbit/s
95th percentile per-packet one-way delay: 68.805 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 69.041 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 68.417 ms
Loss rate: 0.92%

Run 3: Report of TCP Cubic — Data Link

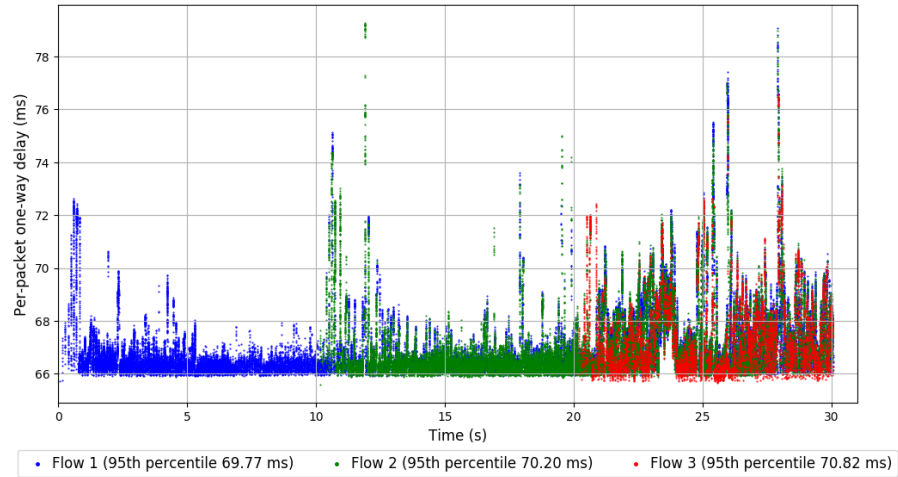
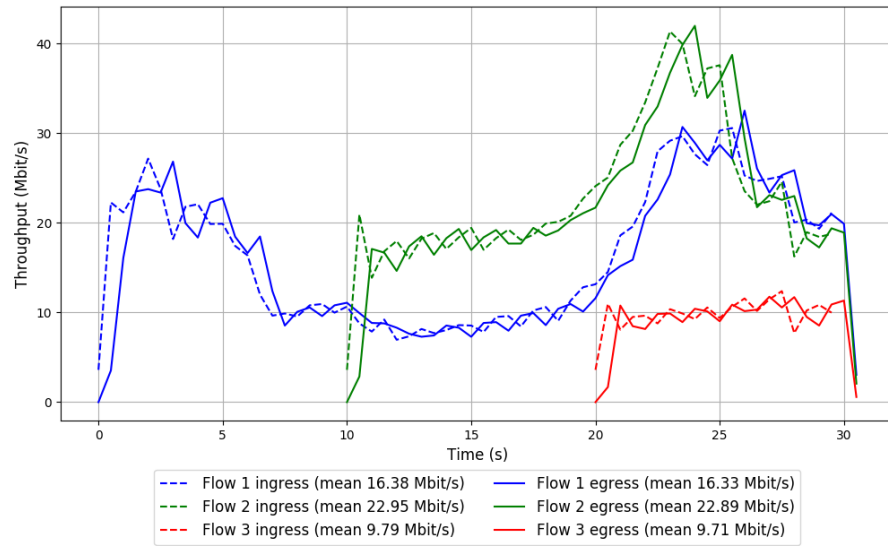


Run 4: Statistics of TCP Cubic

Start at: 2018-05-22 04:34:20
End at: 2018-05-22 04:34:50
Local clock offset: -0.832 ms
Remote clock offset: -2.502 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 70.044 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 69.765 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 70.198 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 70.824 ms
Loss rate: 0.78%

Run 4: Report of TCP Cubic — Data Link

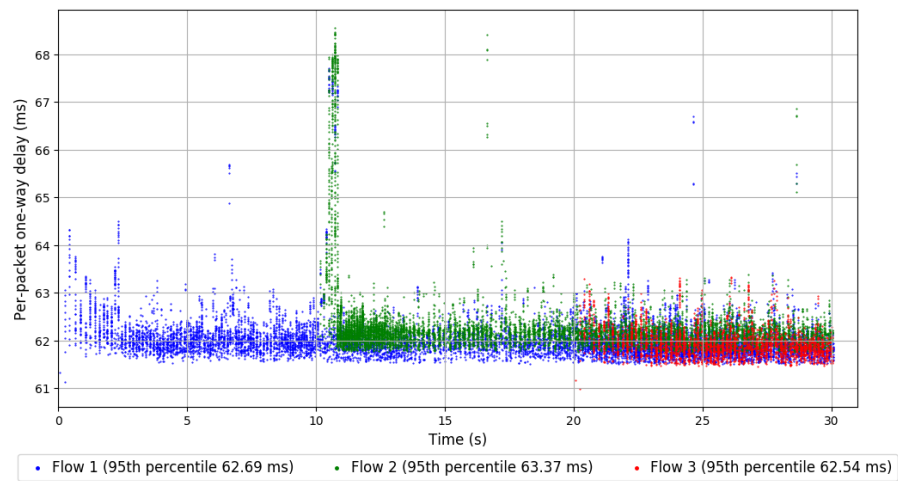
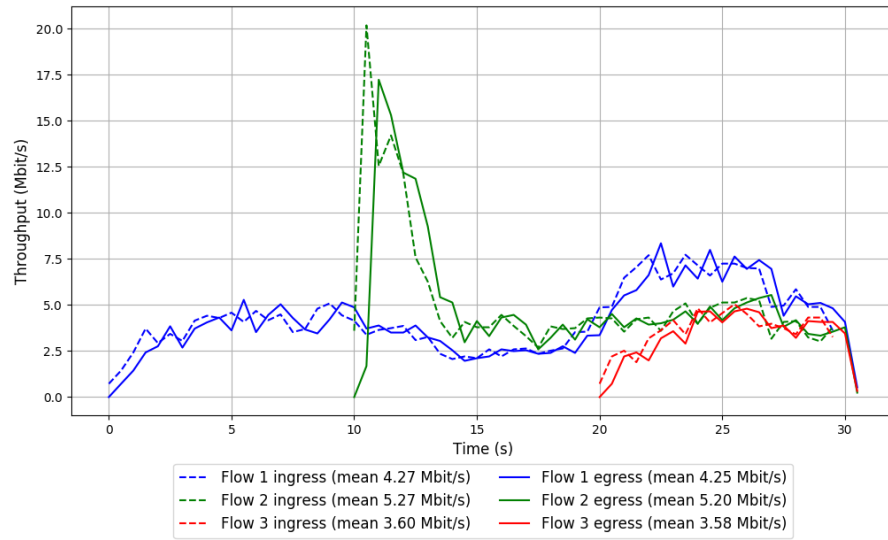


Run 5: Statistics of TCP Cubic

Start at: 2018-05-22 04:55:51
End at: 2018-05-22 04:56:21
Local clock offset: -0.938 ms
Remote clock offset: -3.659 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.90 Mbit/s
95th percentile per-packet one-way delay: 62.825 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 62.690 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 63.373 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 62.541 ms
Loss rate: 0.37%

Run 5: Report of TCP Cubic — Data Link

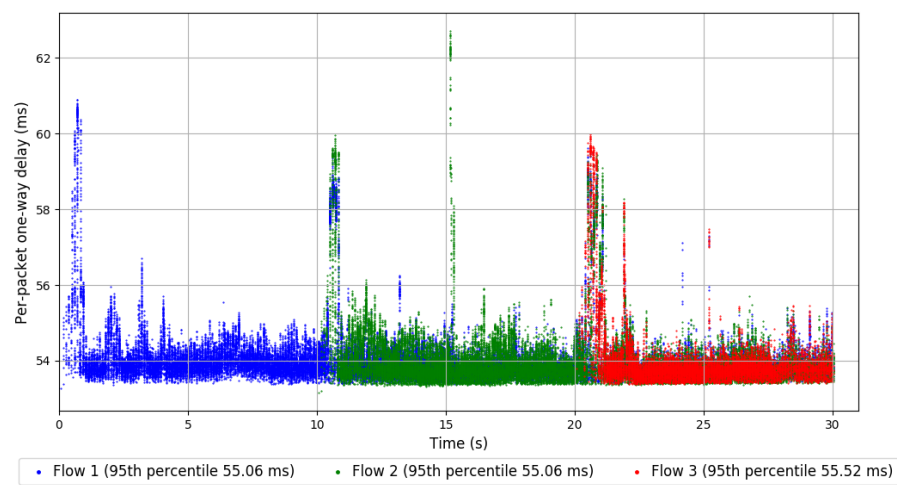
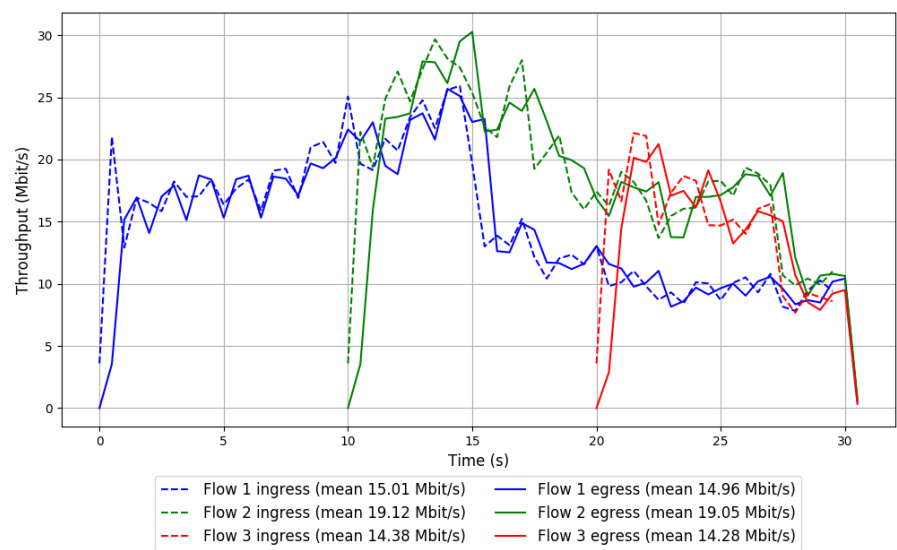


Run 6: Statistics of TCP Cubic

Start at: 2018-05-22 05:17:47
End at: 2018-05-22 05:18:17
Local clock offset: -0.384 ms
Remote clock offset: -11.19 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 55.120 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 55.065 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 19.05 Mbit/s
95th percentile per-packet one-way delay: 55.056 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 14.28 Mbit/s
95th percentile per-packet one-way delay: 55.517 ms
Loss rate: 0.64%

Run 6: Report of TCP Cubic — Data Link

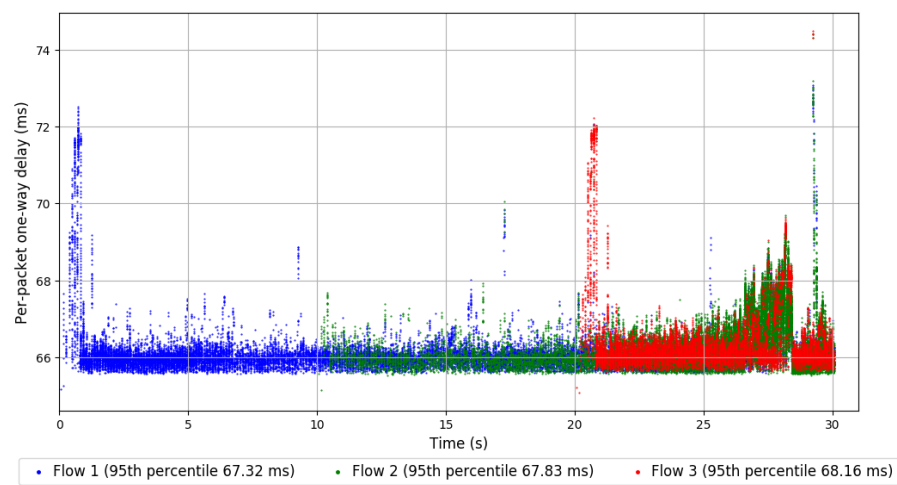
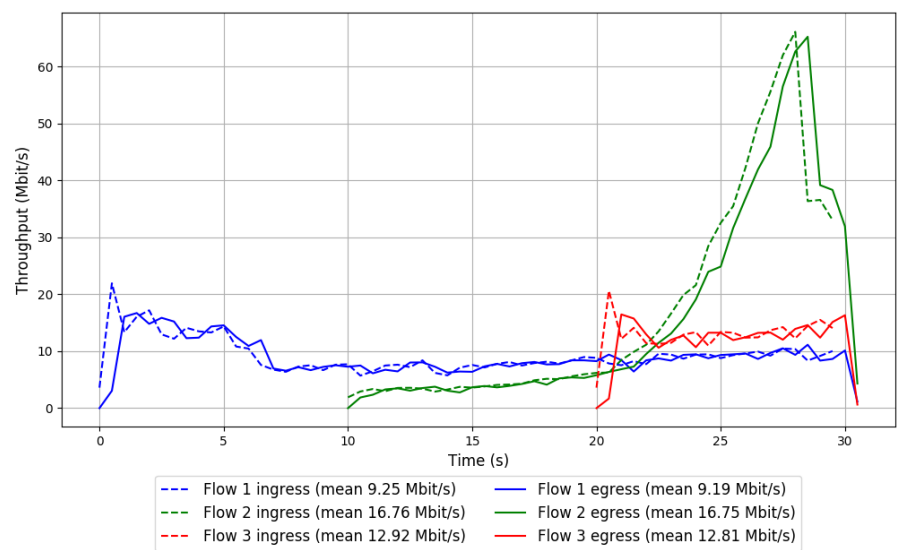


Run 7: Statistics of TCP Cubic

Start at: 2018-05-22 05:39:15
End at: 2018-05-22 05:39:45
Local clock offset: 1.995 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 67.798 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 67.317 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 16.75 Mbit/s
95th percentile per-packet one-way delay: 67.826 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 12.81 Mbit/s
95th percentile per-packet one-way delay: 68.164 ms
Loss rate: 0.88%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2018-05-22 06:00:38

End at: 2018-05-22 06:01:08

Local clock offset: 1.654 ms

Remote clock offset: 1.03 ms

Below is generated by plot.py at 2018-05-22 07:04:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.74 Mbit/s

95th percentile per-packet one-way delay: 67.235 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 66.734 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 67.414 ms

Loss rate: 0.41%

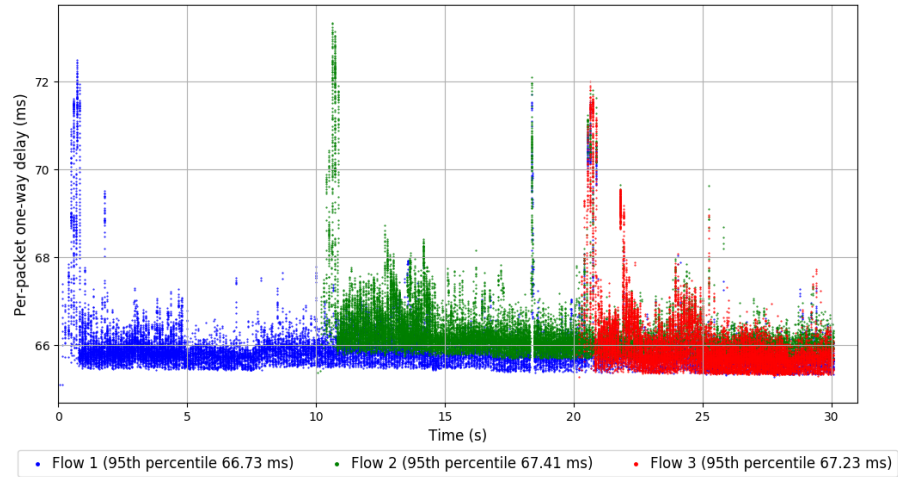
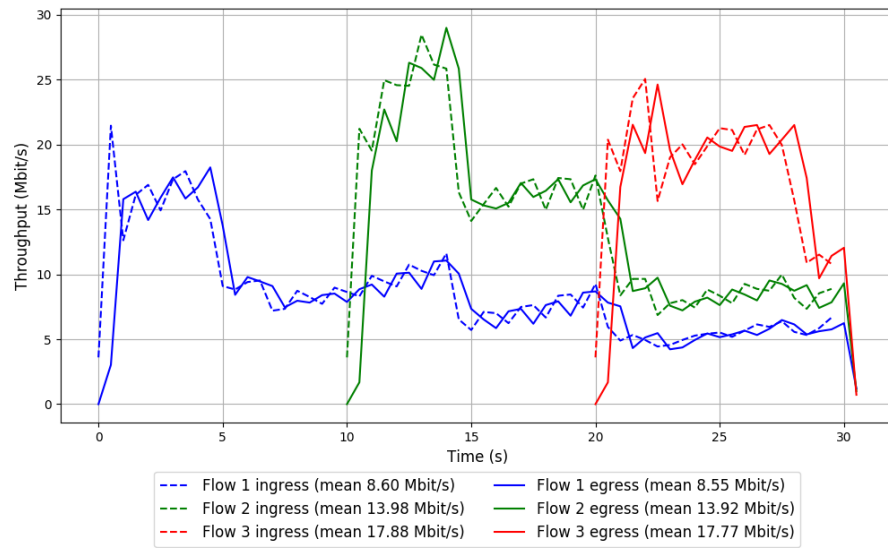
-- Flow 3:

Average throughput: 17.77 Mbit/s

95th percentile per-packet one-way delay: 67.229 ms

Loss rate: 0.63%

Run 8: Report of TCP Cubic — Data Link

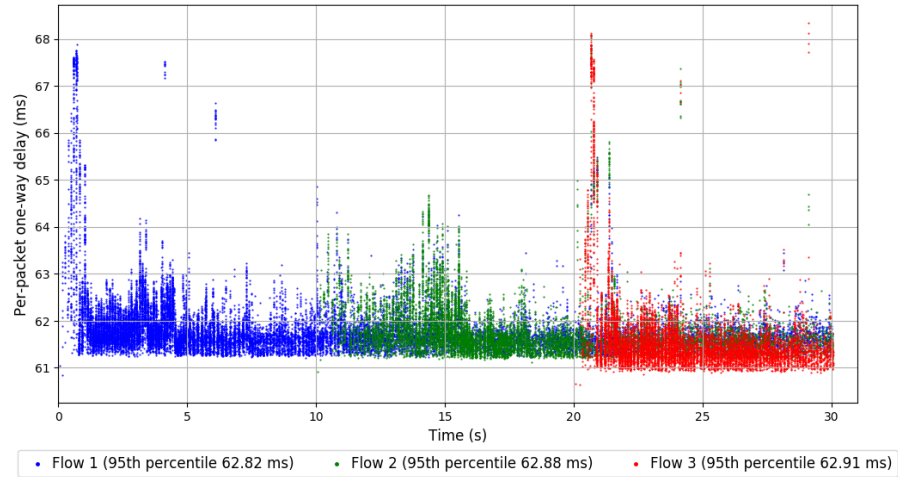
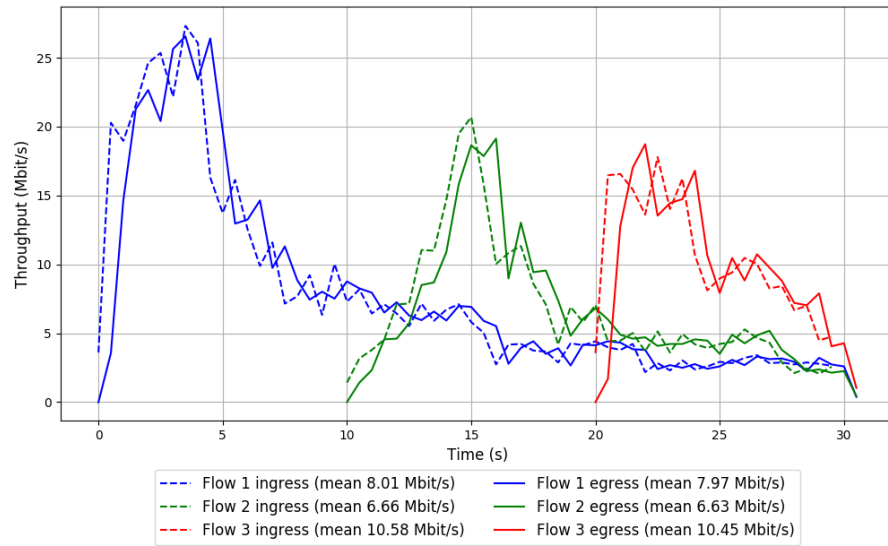


Run 9: Statistics of TCP Cubic

Start at: 2018-05-22 06:22:04
End at: 2018-05-22 06:22:34
Local clock offset: -0.32 ms
Remote clock offset: -2.173 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 62.852 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 7.97 Mbit/s
95th percentile per-packet one-way delay: 62.816 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 62.881 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 62.909 ms
Loss rate: 1.19%

Run 9: Report of TCP Cubic — Data Link

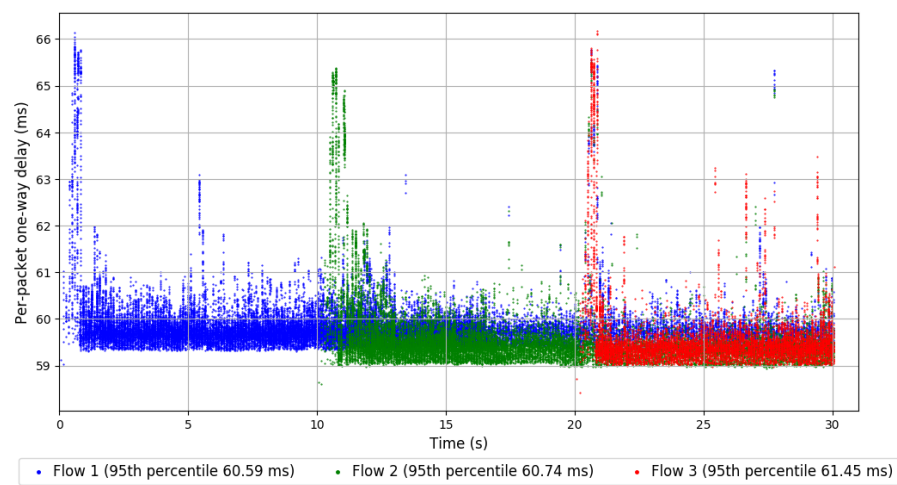
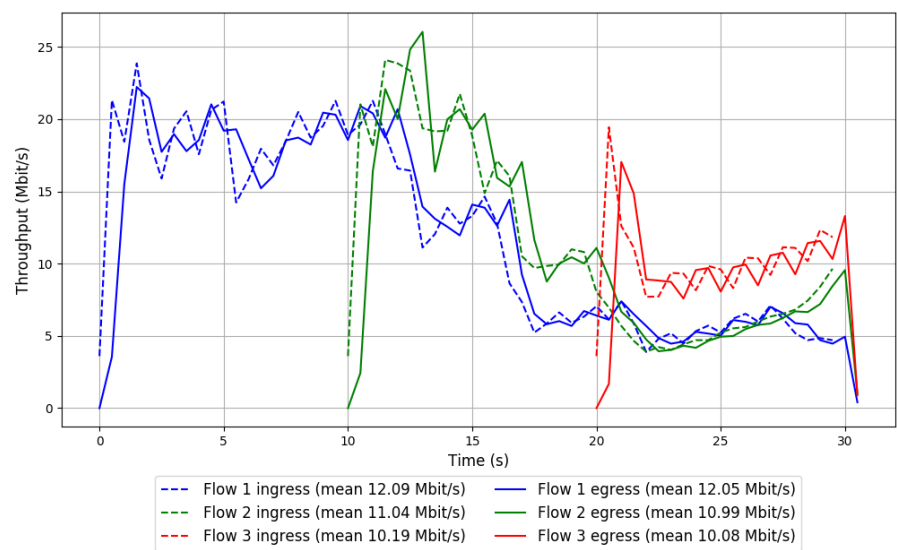


Run 10: Statistics of TCP Cubic

Start at: 2018-05-22 06:47:38
End at: 2018-05-22 06:48:08
Local clock offset: 2.631 ms
Remote clock offset: -3.102 ms

Below is generated by plot.py at 2018-05-22 07:04:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 22.72 Mbit/s
95th percentile per-packet one-way delay: 60.672 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 60.589 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 60.741 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 61.451 ms
Loss rate: 1.05%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-22 03:37:48

End at: 2018-05-22 03:38:18

Local clock offset: 2.704 ms

Remote clock offset: 0.493 ms

Below is generated by plot.py at 2018-05-22 07:04:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 75.881 ms

Loss rate: 19.53%

-- Flow 1:

Average throughput: 56.25 Mbit/s

95th percentile per-packet one-way delay: 75.895 ms

Loss rate: 17.23%

-- Flow 2:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 76.034 ms

Loss rate: 18.72%

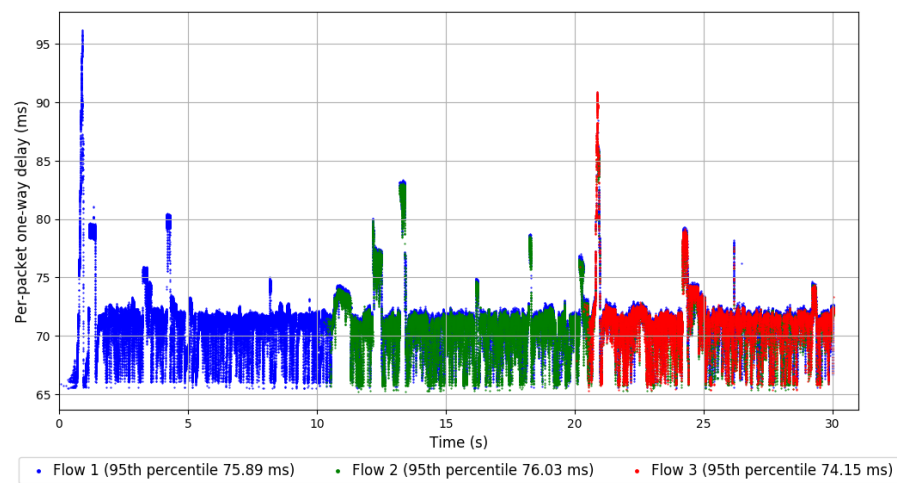
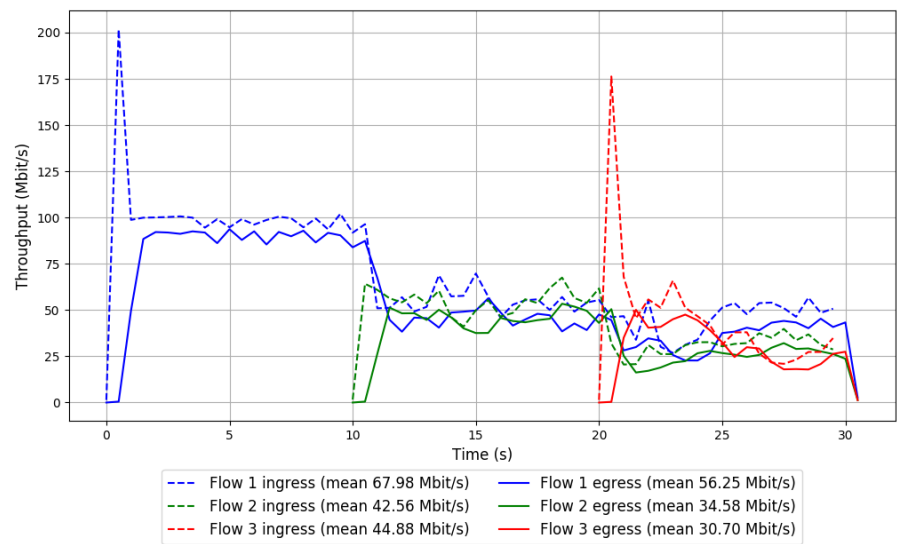
-- Flow 3:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 74.146 ms

Loss rate: 31.55%

Run 1: Report of FillP — Data Link

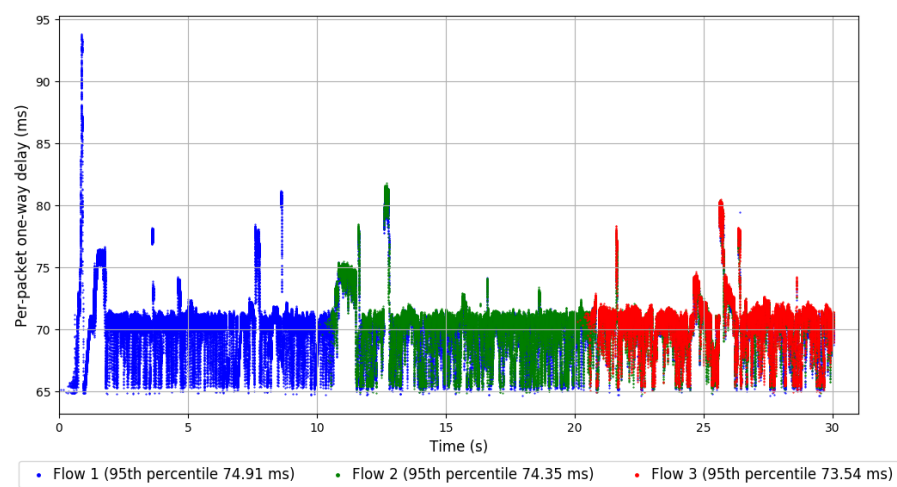
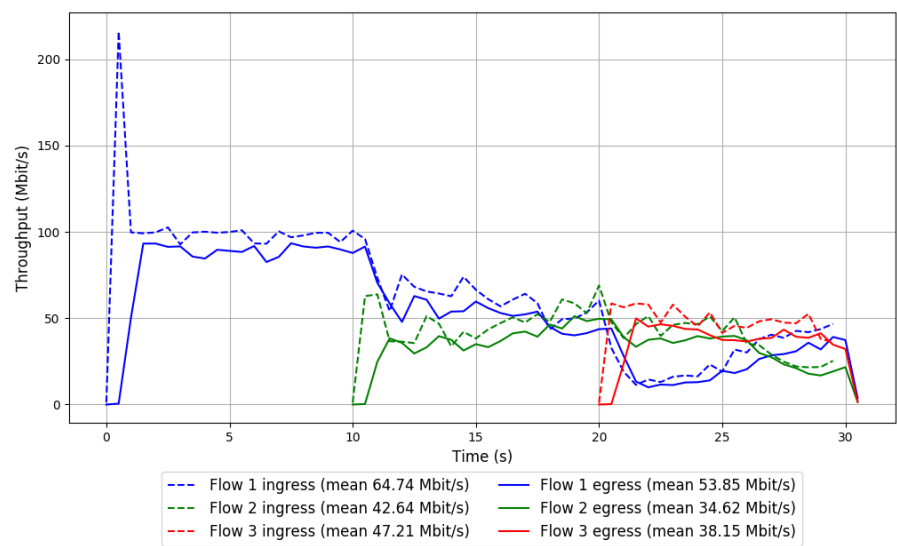


Run 2: Statistics of FillP

Start at: 2018-05-22 03:59:19
End at: 2018-05-22 03:59:49
Local clock offset: 3.222 ms
Remote clock offset: -0.225 ms

Below is generated by plot.py at 2018-05-22 07:04:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 74.572 ms
Loss rate: 17.68%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: 74.906 ms
Loss rate: 16.82%
-- Flow 2:
Average throughput: 34.62 Mbit/s
95th percentile per-packet one-way delay: 74.352 ms
Loss rate: 18.81%
-- Flow 3:
Average throughput: 38.15 Mbit/s
95th percentile per-packet one-way delay: 73.542 ms
Loss rate: 19.19%

Run 2: Report of FillP — Data Link

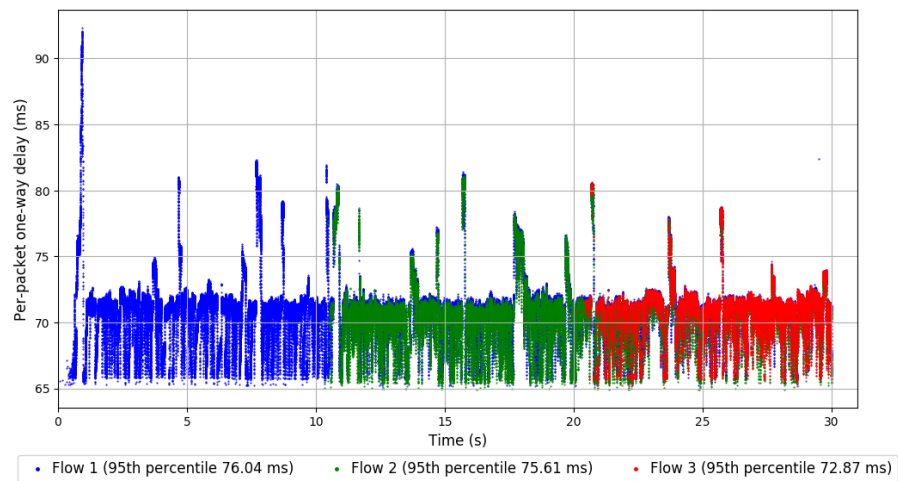
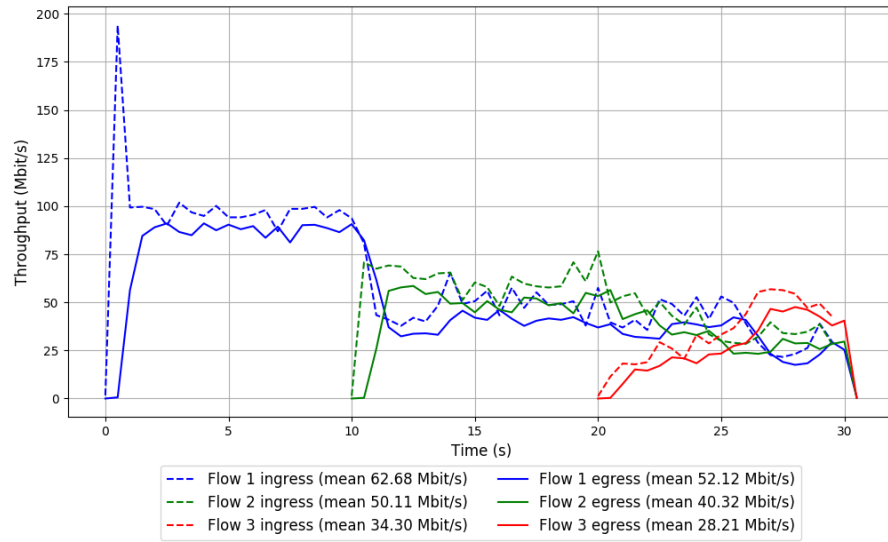


Run 3: Statistics of FillP

Start at: 2018-05-22 04:20:48
End at: 2018-05-22 04:21:18
Local clock offset: -0.969 ms
Remote clock offset: -1.998 ms

Below is generated by plot.py at 2018-05-22 07:04:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: 75.639 ms
Loss rate: 17.78%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 76.038 ms
Loss rate: 16.84%
-- Flow 2:
Average throughput: 40.32 Mbit/s
95th percentile per-packet one-way delay: 75.613 ms
Loss rate: 19.55%
-- Flow 3:
Average throughput: 28.21 Mbit/s
95th percentile per-packet one-way delay: 72.866 ms
Loss rate: 17.79%

Run 3: Report of FillP — Data Link

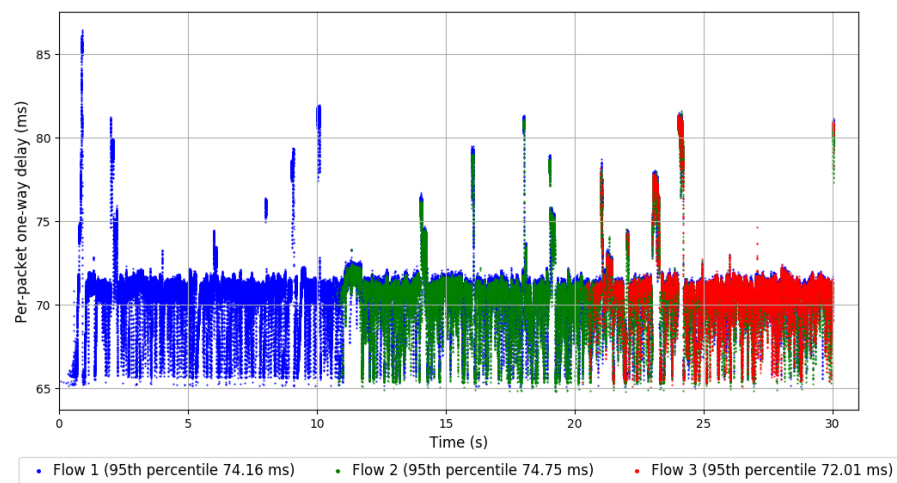
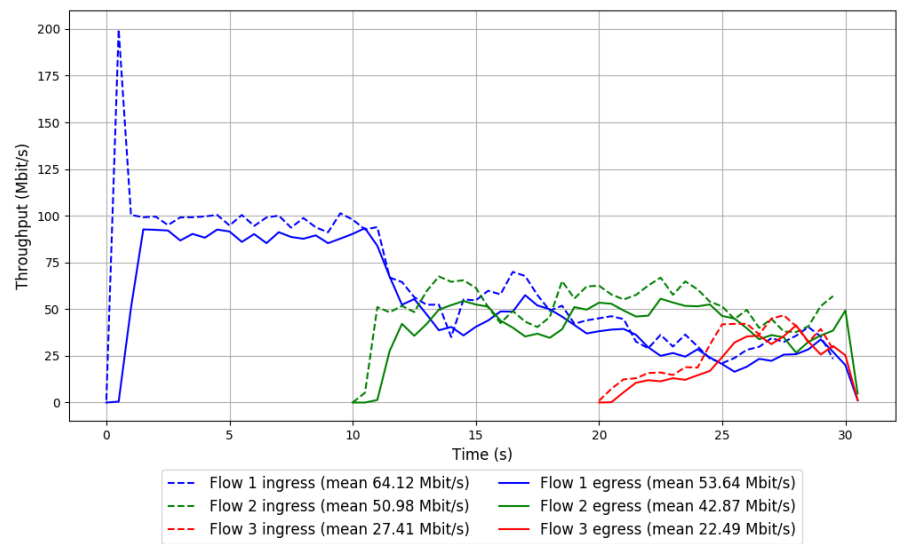


Run 4: Statistics of FillP

Start at: 2018-05-22 04:42:14
End at: 2018-05-22 04:42:44
Local clock offset: -0.698 ms
Remote clock offset: -2.254 ms

Below is generated by plot.py at 2018-05-22 07:04:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 74.222 ms
Loss rate: 16.84%
-- Flow 1:
Average throughput: 53.64 Mbit/s
95th percentile per-packet one-way delay: 74.162 ms
Loss rate: 16.31%
-- Flow 2:
Average throughput: 42.87 Mbit/s
95th percentile per-packet one-way delay: 74.752 ms
Loss rate: 17.57%
-- Flow 3:
Average throughput: 22.49 Mbit/s
95th percentile per-packet one-way delay: 72.009 ms
Loss rate: 17.88%

Run 4: Report of FillP — Data Link

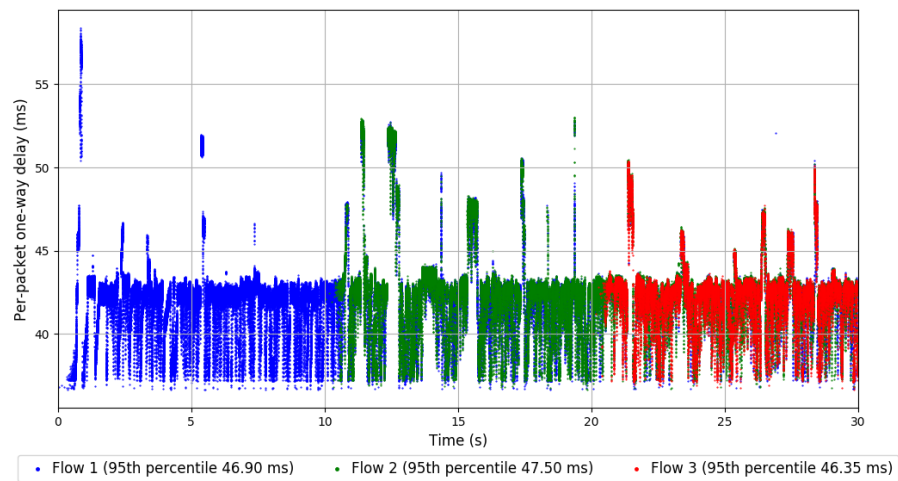
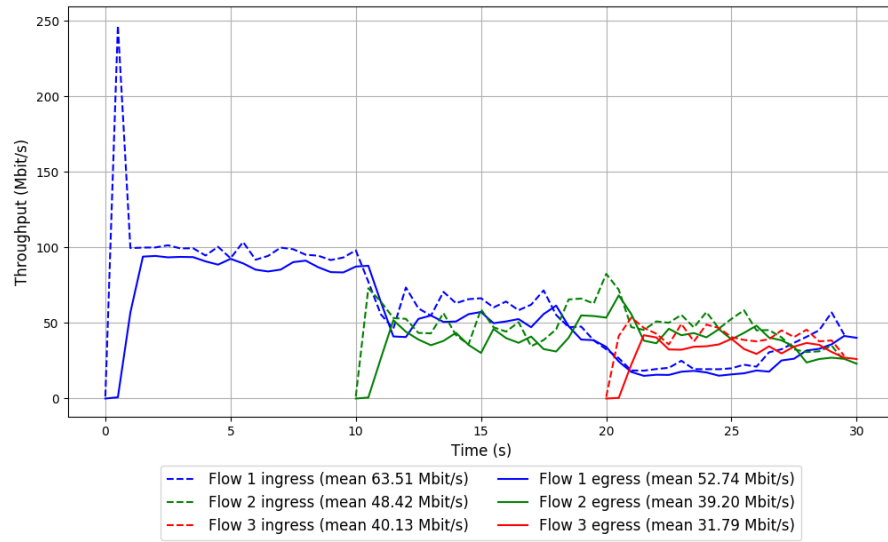


Run 5: Statistics of FillP

Start at: 2018-05-22 05:04:12
End at: 2018-05-22 05:04:42
Local clock offset: -0.671 ms
Remote clock offset: -27.467 ms

Below is generated by plot.py at 2018-05-22 07:05:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.38 Mbit/s
95th percentile per-packet one-way delay: 47.038 ms
Loss rate: 18.03%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 46.896 ms
Loss rate: 16.95%
-- Flow 2:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 47.498 ms
Loss rate: 19.04%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 46.352 ms
Loss rate: 20.75%

Run 5: Report of FillP — Data Link

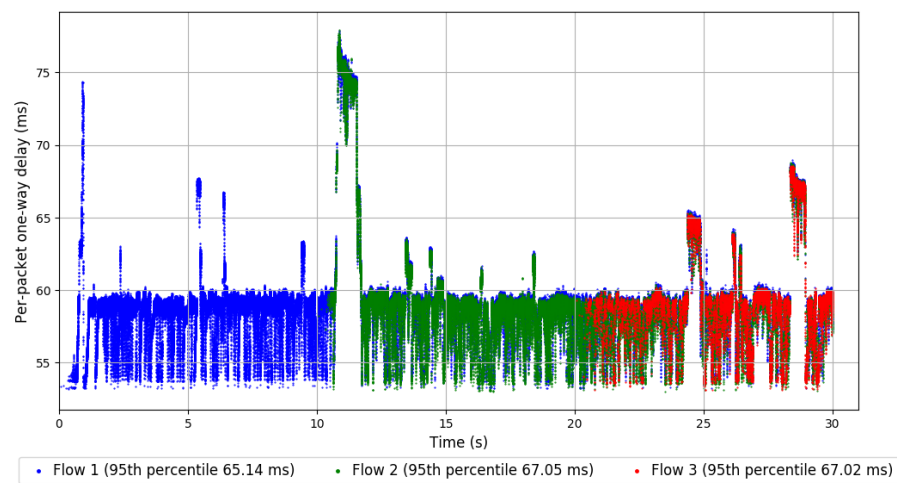
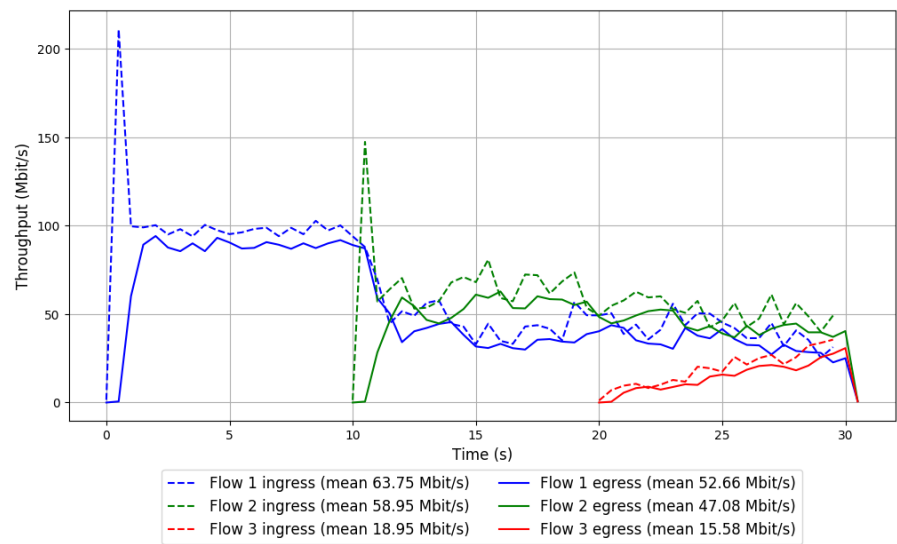


Run 6: Statistics of FillP

Start at: 2018-05-22 05:25:41
End at: 2018-05-22 05:26:11
Local clock offset: -0.578 ms
Remote clock offset: -11.855 ms

Below is generated by plot.py at 2018-05-22 07:05:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.18 Mbit/s
95th percentile per-packet one-way delay: 66.693 ms
Loss rate: 18.39%
-- Flow 1:
Average throughput: 52.66 Mbit/s
95th percentile per-packet one-way delay: 65.135 ms
Loss rate: 17.38%
-- Flow 2:
Average throughput: 47.08 Mbit/s
95th percentile per-packet one-way delay: 67.052 ms
Loss rate: 20.13%
-- Flow 3:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 67.018 ms
Loss rate: 17.78%

Run 6: Report of FillP — Data Link

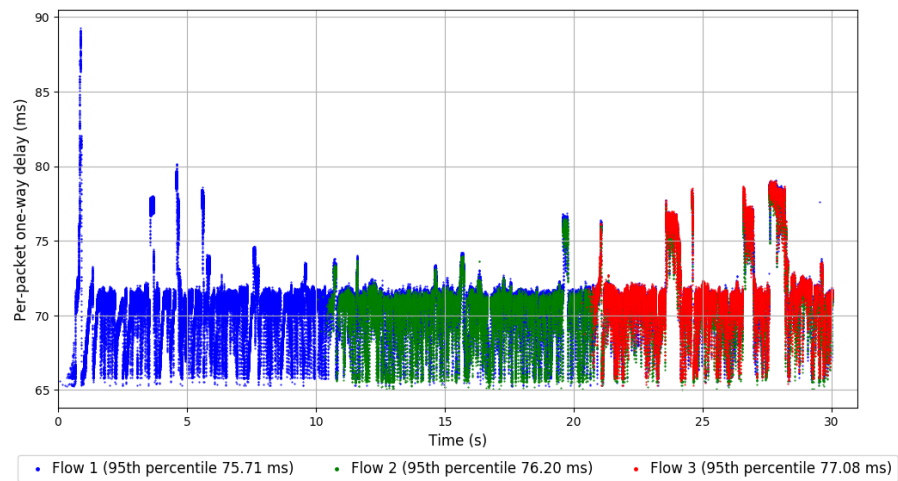
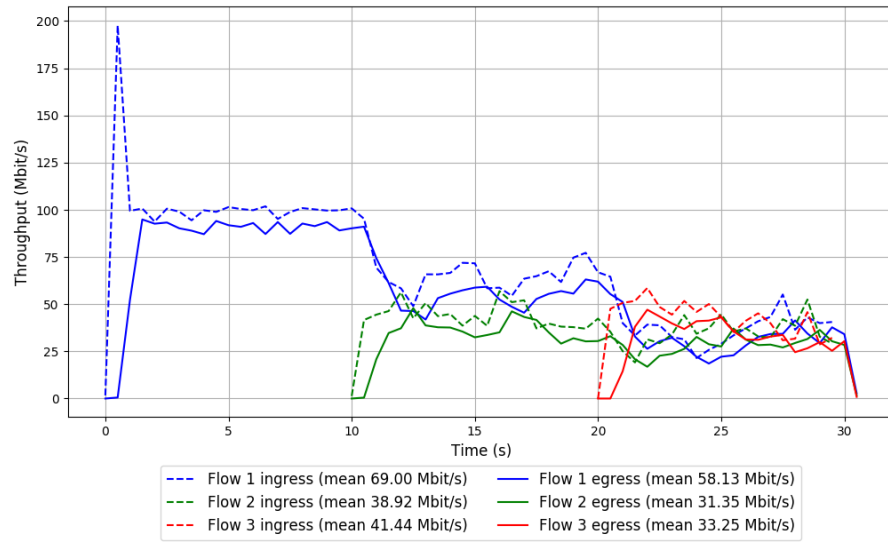


Run 7: Statistics of FillP

Start at: 2018-05-22 05:47:08
End at: 2018-05-22 05:47:38
Local clock offset: 2.484 ms
Remote clock offset: -0.449 ms

Below is generated by plot.py at 2018-05-22 07:05:32
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.80 Mbit/s
95th percentile per-packet one-way delay: 76.309 ms
Loss rate: 17.34%
-- Flow 1:
Average throughput: 58.13 Mbit/s
95th percentile per-packet one-way delay: 75.712 ms
Loss rate: 15.74%
-- Flow 2:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 76.198 ms
Loss rate: 19.44%
-- Flow 3:
Average throughput: 33.25 Mbit/s
95th percentile per-packet one-way delay: 77.077 ms
Loss rate: 21.39%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-05-22 06:08:32

End at: 2018-05-22 06:09:02

Local clock offset: 0.471 ms

Remote clock offset: 1.575 ms

Below is generated by plot.py at 2018-05-22 07:05:37

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.39 Mbit/s

95th percentile per-packet one-way delay: 74.152 ms

Loss rate: 17.84%

-- Flow 1:

Average throughput: 51.89 Mbit/s

95th percentile per-packet one-way delay: 72.588 ms

Loss rate: 17.60%

-- Flow 2:

Average throughput: 43.21 Mbit/s

95th percentile per-packet one-way delay: 76.697 ms

Loss rate: 17.43%

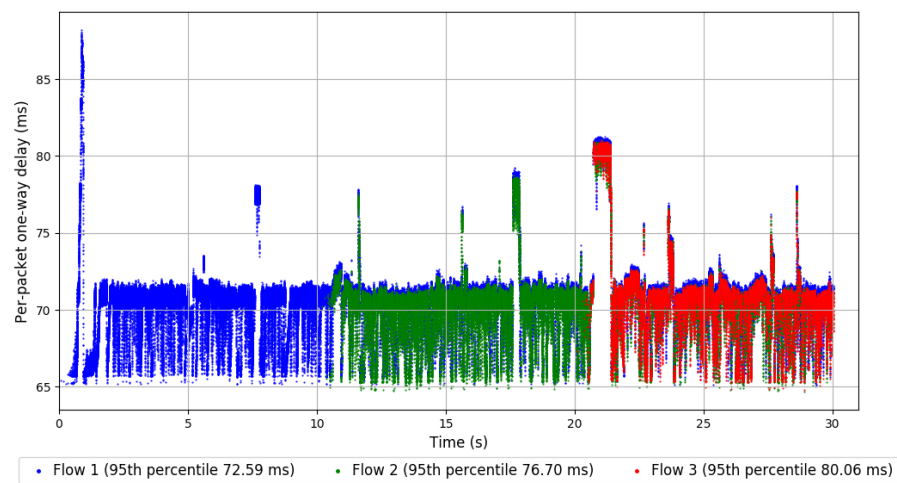
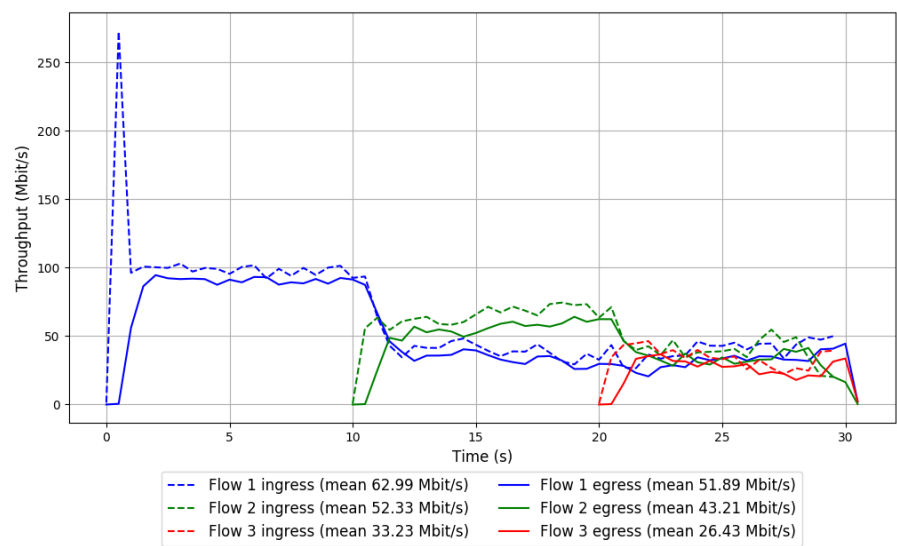
-- Flow 3:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 80.059 ms

Loss rate: 20.44%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-05-22 06:32:13

End at: 2018-05-22 06:32:43

Local clock offset: 0.974 ms

Remote clock offset: 2.687 ms

Below is generated by plot.py at 2018-05-22 07:06:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.59 Mbit/s

95th percentile per-packet one-way delay: 74.150 ms

Loss rate: 17.99%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 73.837 ms

Loss rate: 16.72%

-- Flow 2:

Average throughput: 27.74 Mbit/s

95th percentile per-packet one-way delay: 72.995 ms

Loss rate: 19.45%

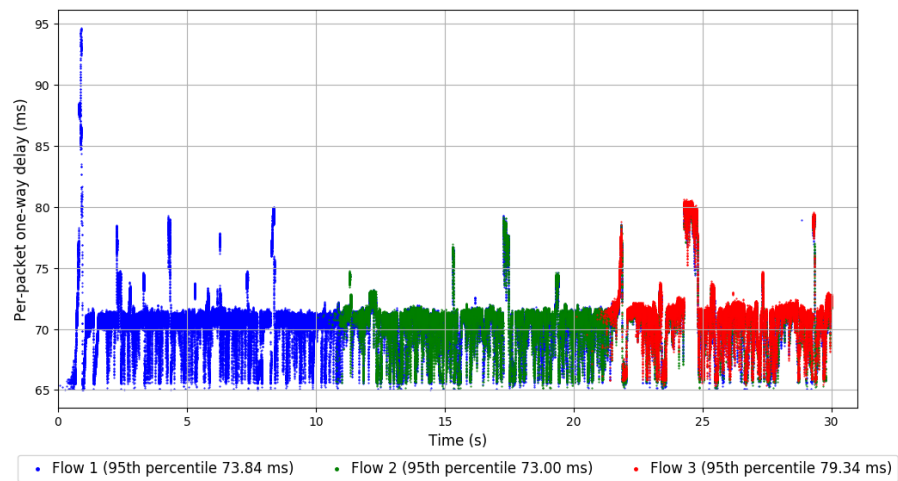
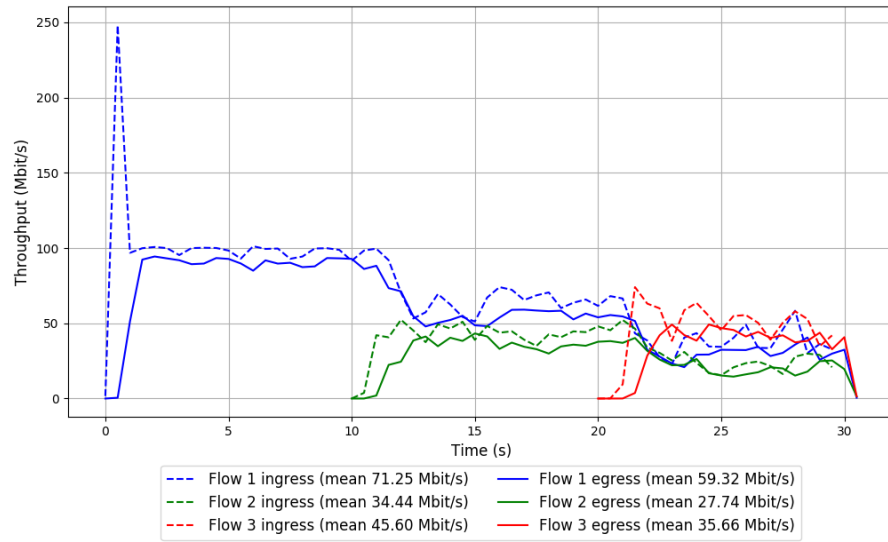
-- Flow 3:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 79.336 ms

Loss rate: 21.79%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-05-22 06:55:33

End at: 2018-05-22 06:56:03

Local clock offset: 2.852 ms

Remote clock offset: 1.124 ms

Below is generated by plot.py at 2018-05-22 07:06:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.66 Mbit/s

95th percentile per-packet one-way delay: 72.444 ms

Loss rate: 18.43%

-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 71.227 ms

Loss rate: 17.70%

-- Flow 2:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 73.571 ms

Loss rate: 18.79%

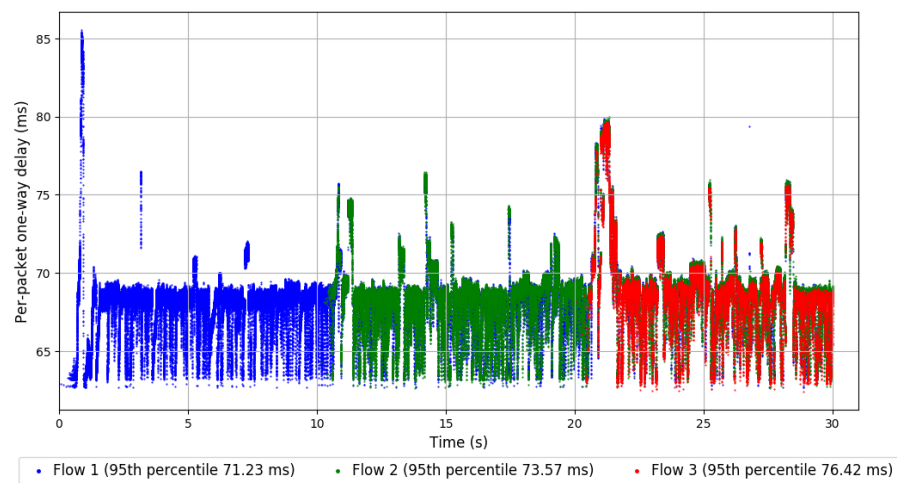
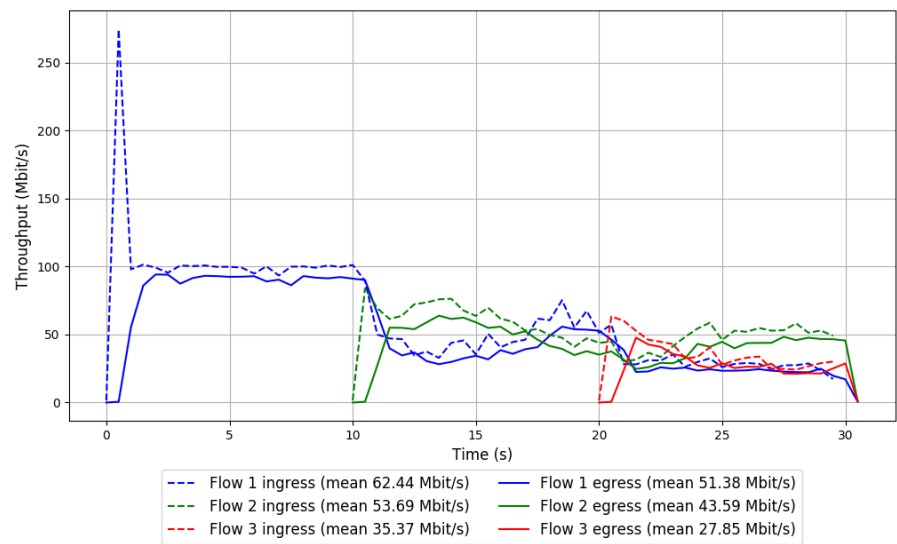
-- Flow 3:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 76.418 ms

Loss rate: 21.26%

Run 10: Report of FillP — Data Link

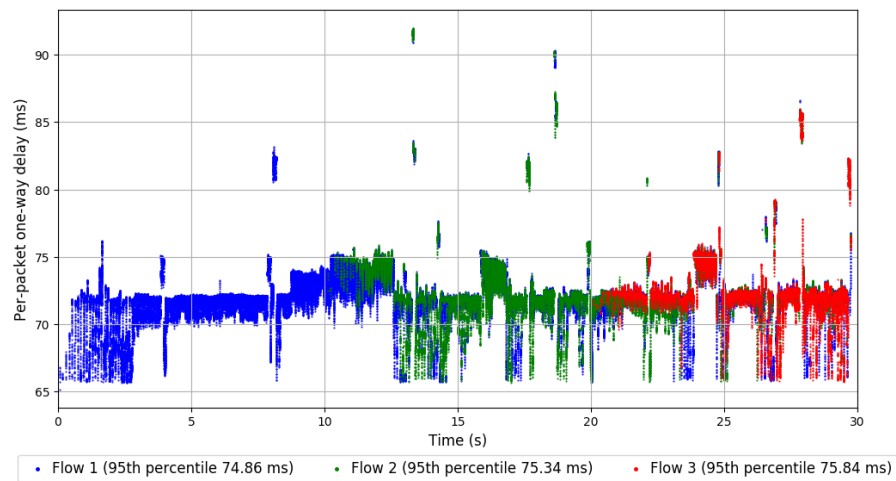
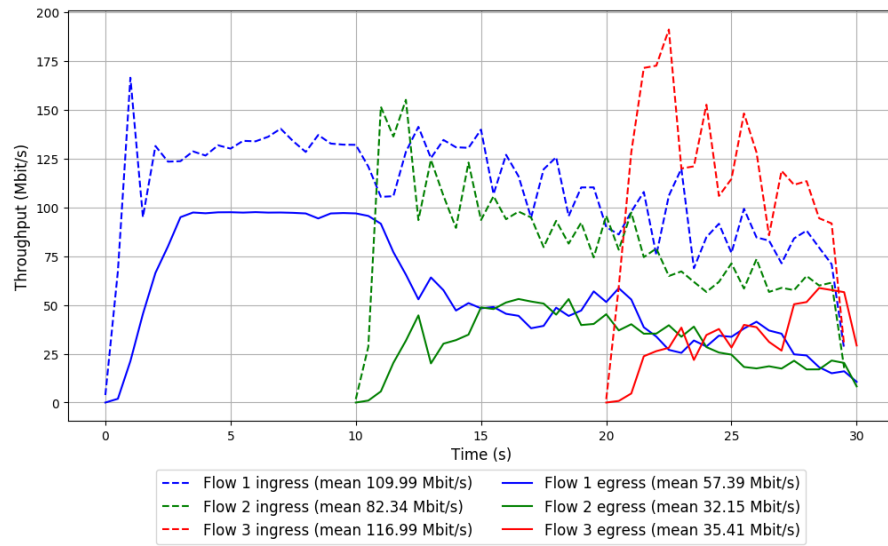


```
Run 1: Statistics of Indigo

Start at: 2018-05-22 03:40:28
End at: 2018-05-22 03:40:58
Local clock offset: 3.256 ms
Remote clock offset: 0.342 ms

# Below is generated by plot.py at 2018-05-22 07:06:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: 75.104 ms
Loss rate: 55.46%
-- Flow 1:
Average throughput: 57.39 Mbit/s
95th percentile per-packet one-way delay: 74.859 ms
Loss rate: 47.80%
-- Flow 2:
Average throughput: 32.15 Mbit/s
95th percentile per-packet one-way delay: 75.336 ms
Loss rate: 60.95%
-- Flow 3:
Average throughput: 35.41 Mbit/s
95th percentile per-packet one-way delay: 75.845 ms
Loss rate: 69.72%
```


Run 1: Report of Indigo — Data Link

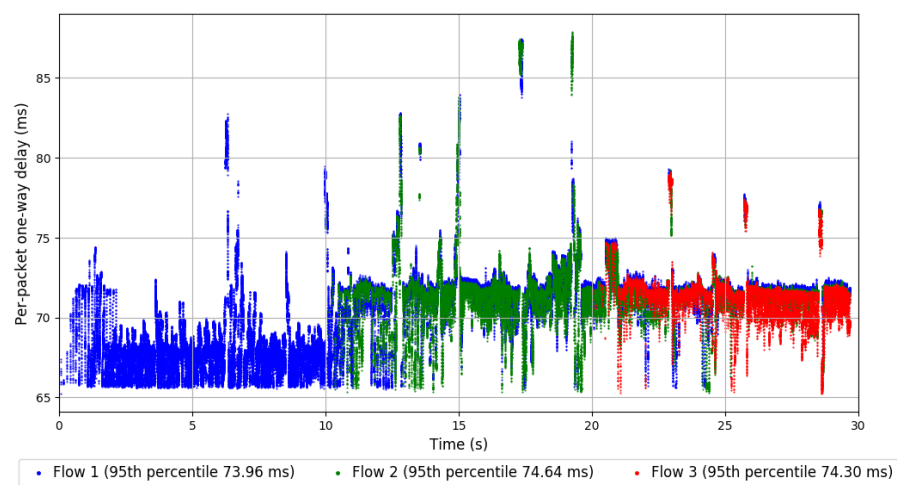
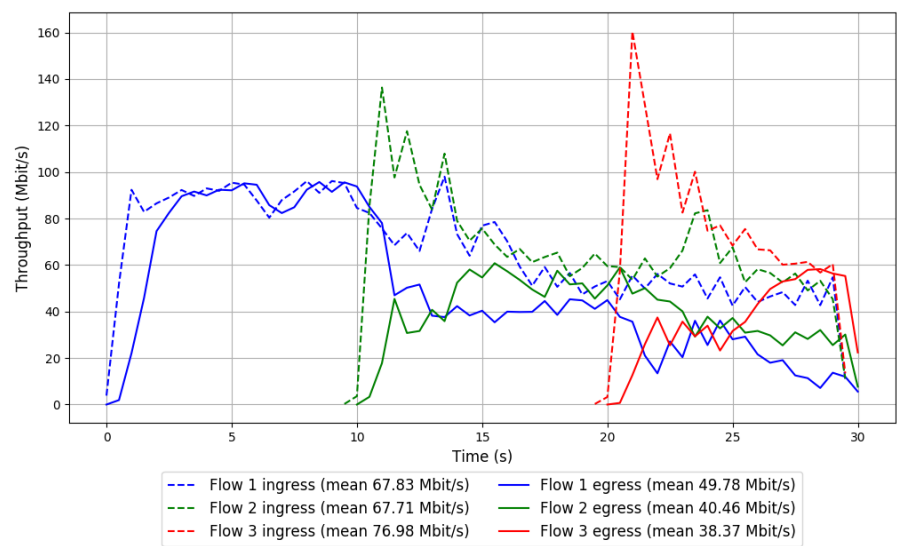


Run 2: Statistics of Indigo

Start at: 2018-05-22 04:01:59
End at: 2018-05-22 04:02:29
Local clock offset: 2.131 ms
Remote clock offset: -0.336 ms

Below is generated by plot.py at 2018-05-22 07:06:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 89.15 Mbit/s
95th percentile per-packet one-way delay: 74.272 ms
Loss rate: 35.34%
-- Flow 1:
Average throughput: 49.78 Mbit/s
95th percentile per-packet one-way delay: 73.960 ms
Loss rate: 26.59%
-- Flow 2:
Average throughput: 40.46 Mbit/s
95th percentile per-packet one-way delay: 74.645 ms
Loss rate: 40.26%
-- Flow 3:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 74.297 ms
Loss rate: 50.16%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-05-22 04:23:28

End at: 2018-05-22 04:23:58

Local clock offset: -1.279 ms

Remote clock offset: 3.236 ms

Below is generated by plot.py at 2018-05-22 07:06:23

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 82.351 ms

Loss rate: 35.20%

-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 80.971 ms

Loss rate: 13.58%

-- Flow 2:

Average throughput: 30.02 Mbit/s

95th percentile per-packet one-way delay: 83.847 ms

Loss rate: 53.22%

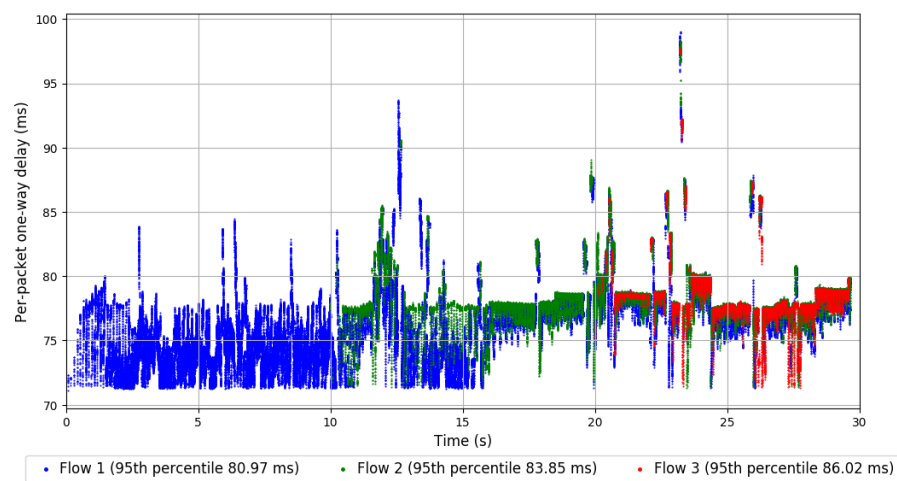
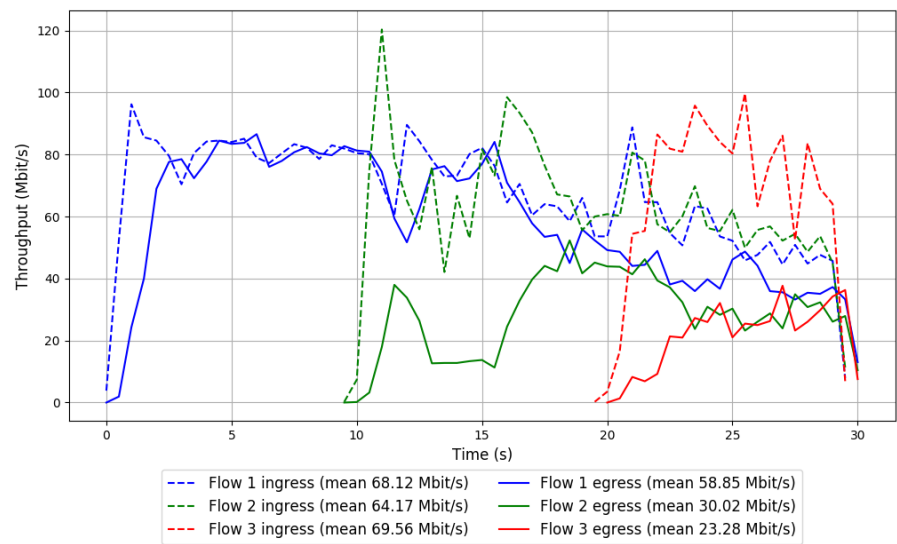
-- Flow 3:

Average throughput: 23.28 Mbit/s

95th percentile per-packet one-way delay: 86.017 ms

Loss rate: 66.52%

Run 3: Report of Indigo — Data Link

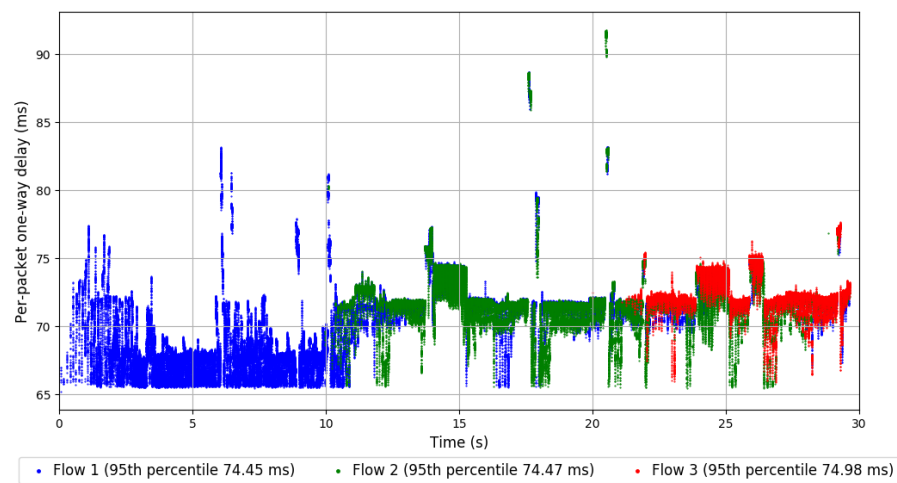
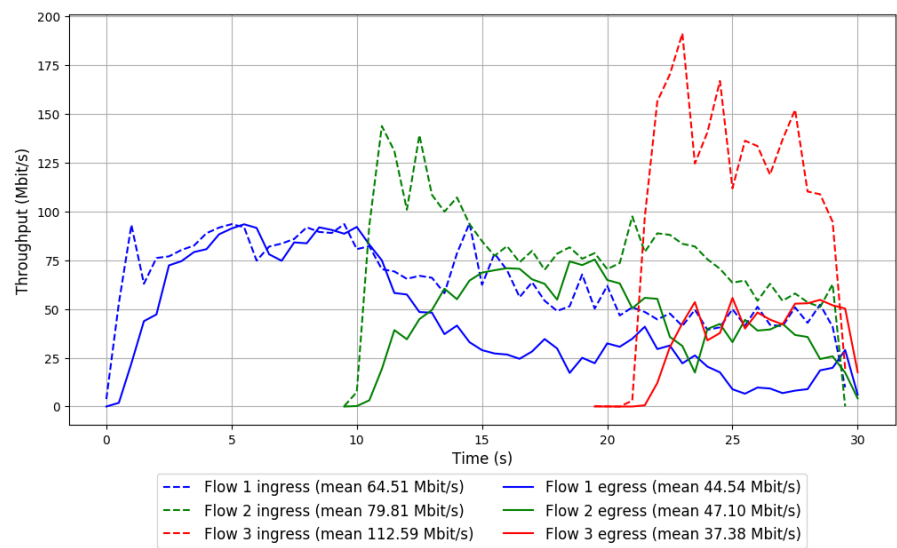


Run 4: Statistics of Indigo

Start at: 2018-05-22 04:44:54
End at: 2018-05-22 04:45:24
Local clock offset: -0.758 ms
Remote clock offset: -1.452 ms

Below is generated by plot.py at 2018-05-22 07:06:46
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.01 Mbit/s
95th percentile per-packet one-way delay: 74.596 ms
Loss rate: 42.93%
-- Flow 1:
Average throughput: 44.54 Mbit/s
95th percentile per-packet one-way delay: 74.449 ms
Loss rate: 30.93%
-- Flow 2:
Average throughput: 47.10 Mbit/s
95th percentile per-packet one-way delay: 74.475 ms
Loss rate: 40.98%
-- Flow 3:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 74.981 ms
Loss rate: 66.79%

Run 4: Report of Indigo — Data Link

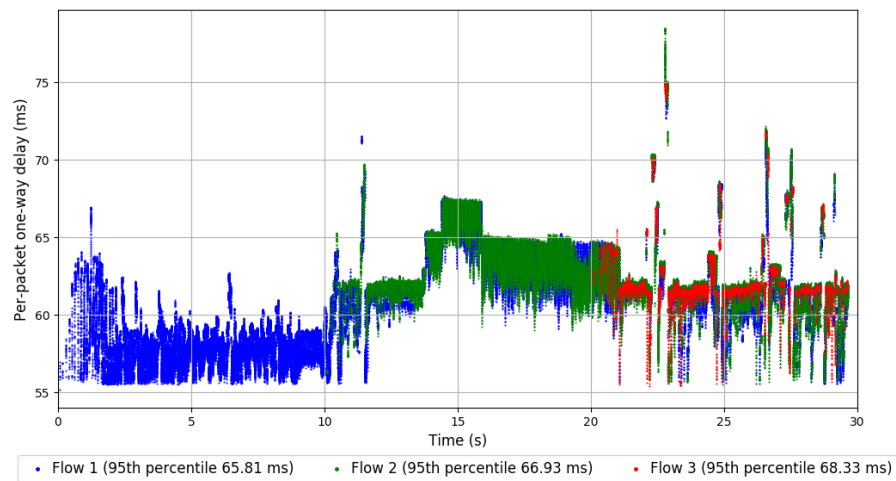
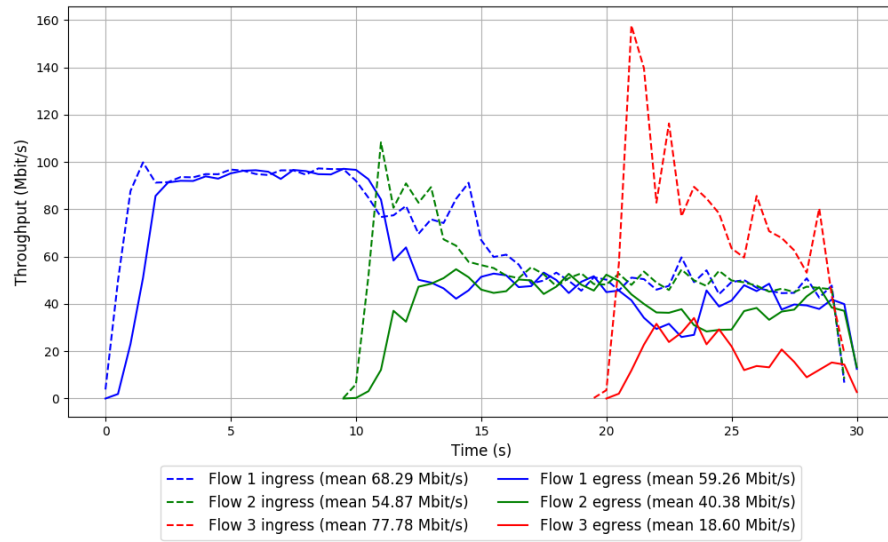


Run 5: Statistics of Indigo

Start at: 2018-05-22 05:06:53
End at: 2018-05-22 05:07:23
Local clock offset: -0.627 ms
Remote clock offset: -8.919 ms

Below is generated by plot.py at 2018-05-22 07:06:51
Datalink statistics
-- Total of 3 flows:
Average throughput: 92.13 Mbit/s
95th percentile per-packet one-way delay: 66.490 ms
Loss rate: 29.11%
-- Flow 1:
Average throughput: 59.26 Mbit/s
95th percentile per-packet one-way delay: 65.810 ms
Loss rate: 13.20%
-- Flow 2:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 26.40%
-- Flow 3:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 68.325 ms
Loss rate: 76.09%

Run 5: Report of Indigo — Data Link

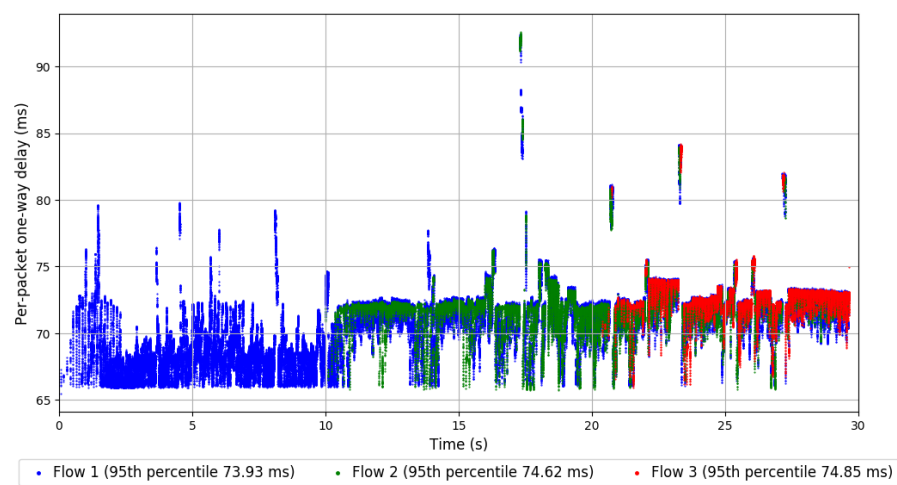
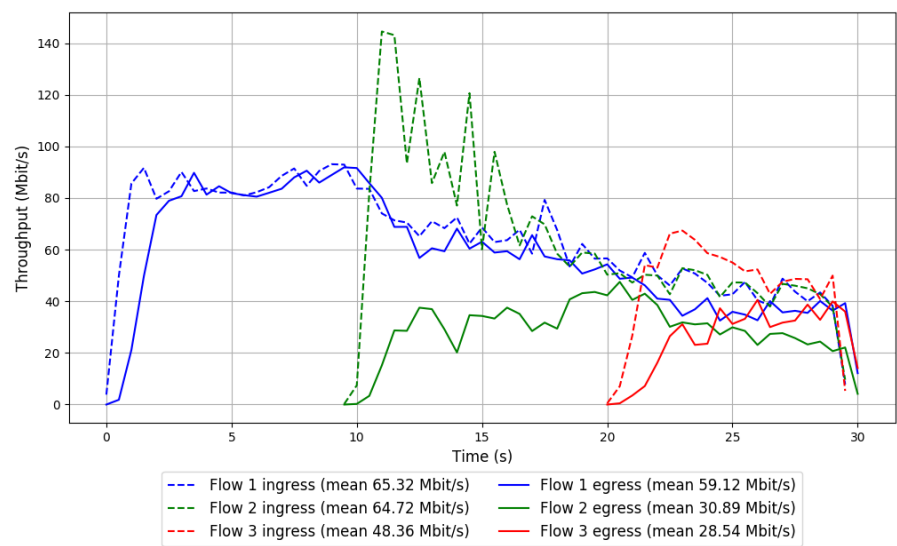


Run 6: Statistics of Indigo

Start at: 2018-05-22 05:28:21
End at: 2018-05-22 05:28:51
Local clock offset: -0.031 ms
Remote clock offset: -0.177 ms

Below is generated by plot.py at 2018-05-22 07:06:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.50 Mbit/s
95th percentile per-packet one-way delay: 74.060 ms
Loss rate: 28.24%
-- Flow 1:
Average throughput: 59.12 Mbit/s
95th percentile per-packet one-way delay: 73.933 ms
Loss rate: 9.47%
-- Flow 2:
Average throughput: 30.89 Mbit/s
95th percentile per-packet one-way delay: 74.619 ms
Loss rate: 52.27%
-- Flow 3:
Average throughput: 28.54 Mbit/s
95th percentile per-packet one-way delay: 74.850 ms
Loss rate: 40.95%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-05-22 05:49:48

End at: 2018-05-22 05:50:18

Local clock offset: 2.748 ms

Remote clock offset: -7.6 ms

Below is generated by plot.py at 2018-05-22 07:07:35

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 67.234 ms

Loss rate: 29.79%

-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 66.681 ms

Loss rate: 14.99%

-- Flow 2:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 68.198 ms

Loss rate: 44.32%

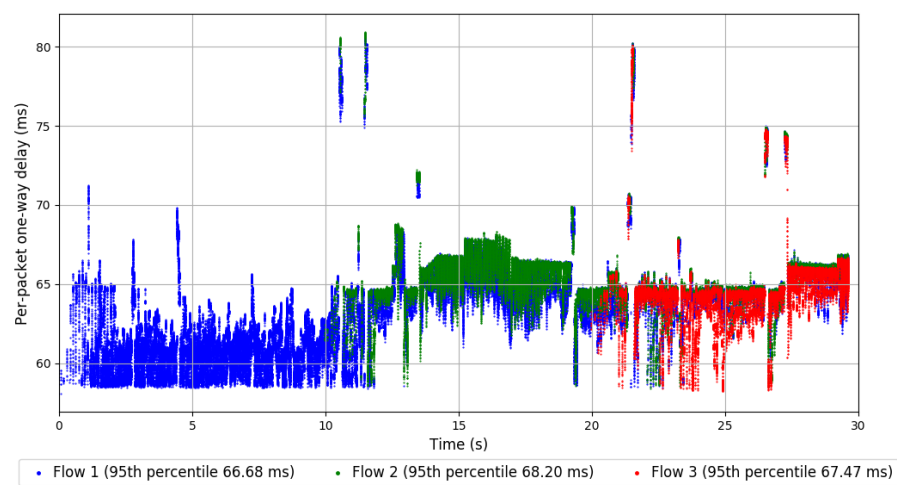
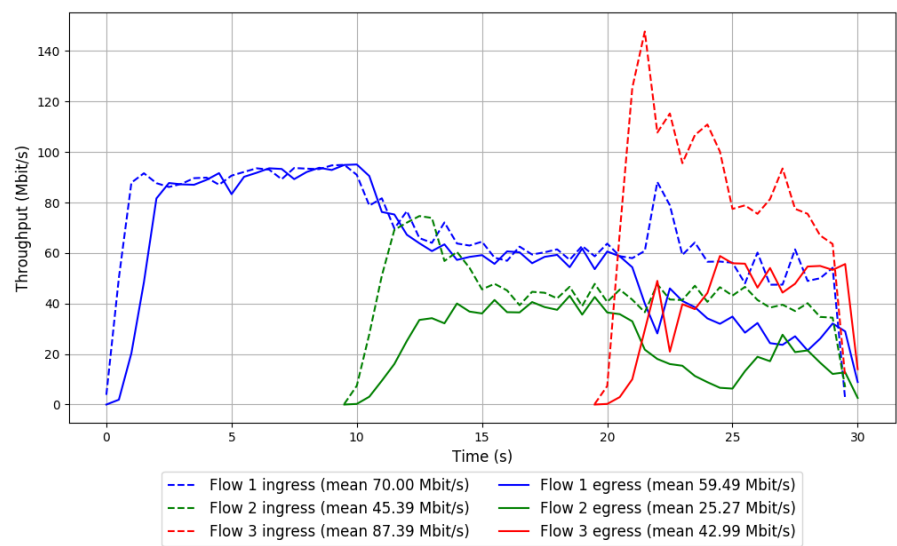
-- Flow 3:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 67.473 ms

Loss rate: 50.78%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2018-05-22 06:11:12

End at: 2018-05-22 06:11:42

Local clock offset: 0.059 ms

Remote clock offset: 1.165 ms

Below is generated by plot.py at 2018-05-22 07:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 73.748 ms

Loss rate: 37.81%

-- Flow 1:

Average throughput: 55.69 Mbit/s

95th percentile per-packet one-way delay: 73.366 ms

Loss rate: 13.63%

-- Flow 2:

Average throughput: 31.72 Mbit/s

95th percentile per-packet one-way delay: 74.021 ms

Loss rate: 55.09%

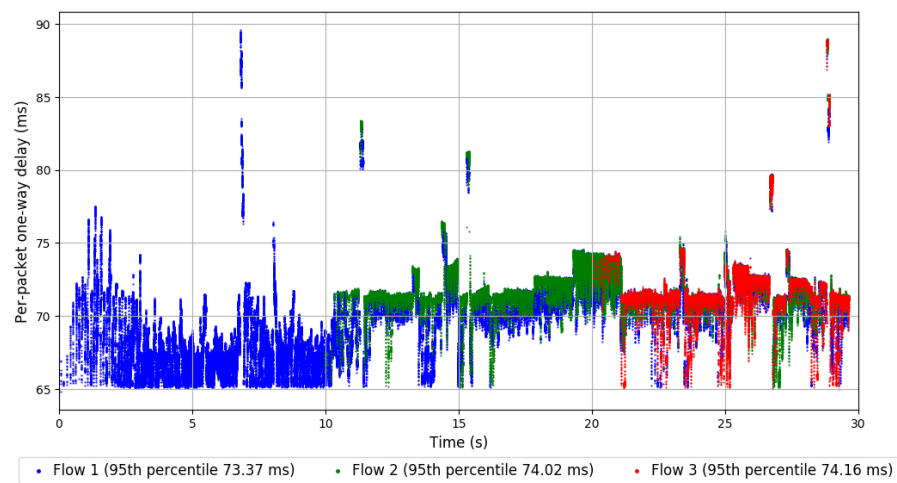
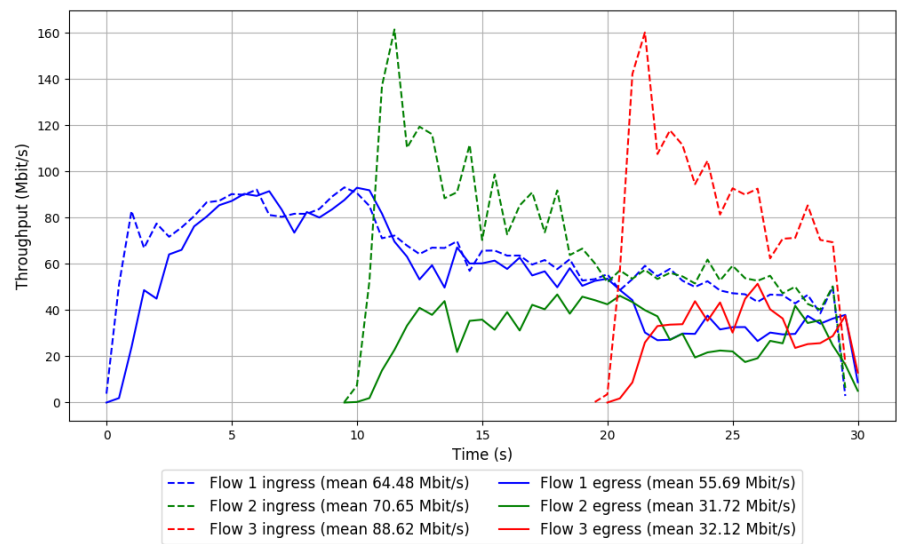
-- Flow 3:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 74.158 ms

Loss rate: 63.76%

Run 8: Report of Indigo — Data Link

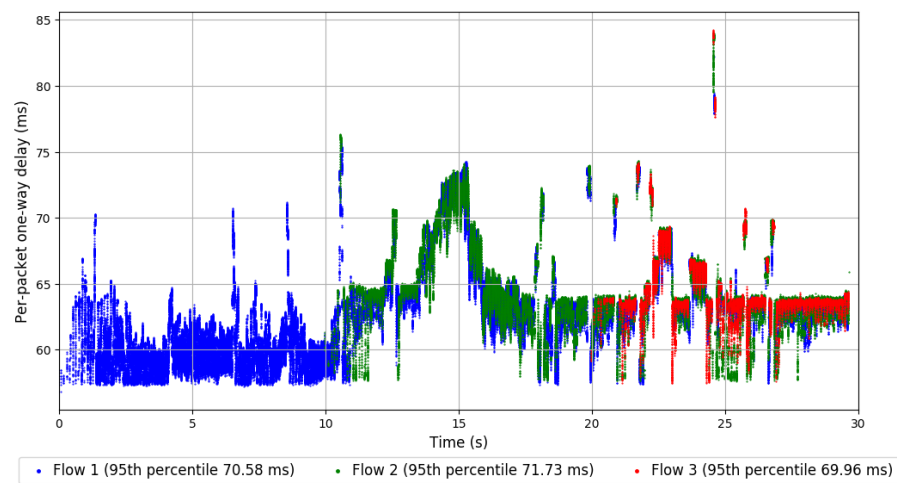
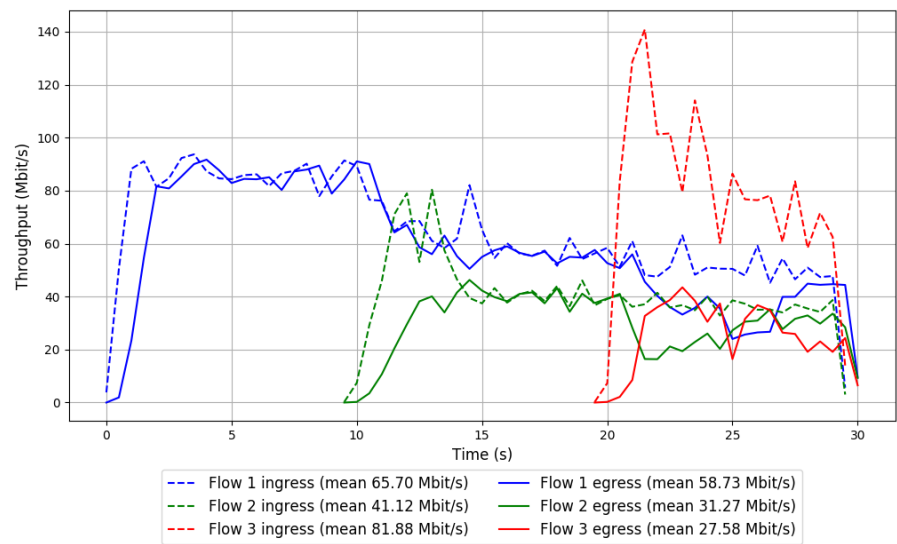


Run 9: Statistics of Indigo

Start at: 2018-05-22 06:36:45
End at: 2018-05-22 06:37:15
Local clock offset: 1.719 ms
Remote clock offset: -5.383 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.44 Mbit/s
95th percentile per-packet one-way delay: 71.156 ms
Loss rate: 26.06%
-- Flow 1:
Average throughput: 58.73 Mbit/s
95th percentile per-packet one-way delay: 70.581 ms
Loss rate: 10.59%
-- Flow 2:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 71.726 ms
Loss rate: 23.93%
-- Flow 3:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 69.958 ms
Loss rate: 66.29%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-05-22 06:58:13

End at: 2018-05-22 06:58:43

Local clock offset: 3.422 ms

Remote clock offset: 1.566 ms

Below is generated by plot.py at 2018-05-22 07:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 69.290 ms

Loss rate: 6.73%

-- Flow 1:

Average throughput: 32.15 Mbit/s

95th percentile per-packet one-way delay: 69.461 ms

Loss rate: 7.46%

-- Flow 2:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 67.344 ms

Loss rate: 0.76%

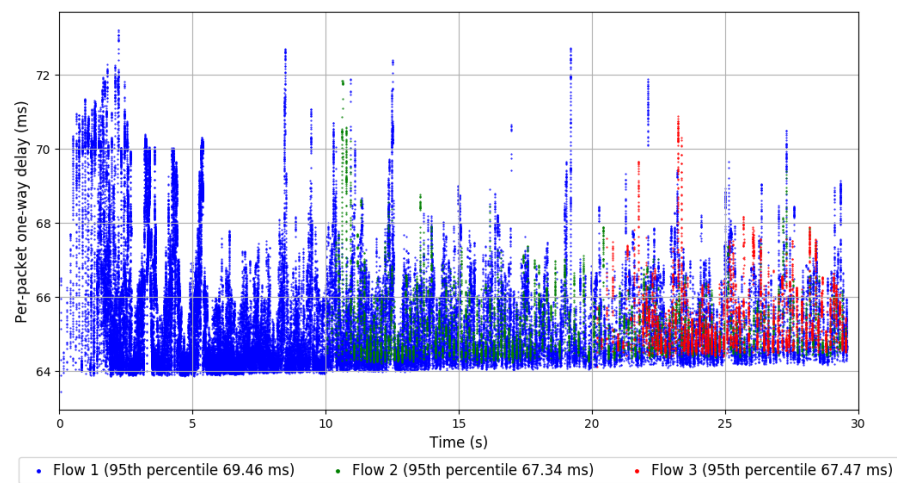
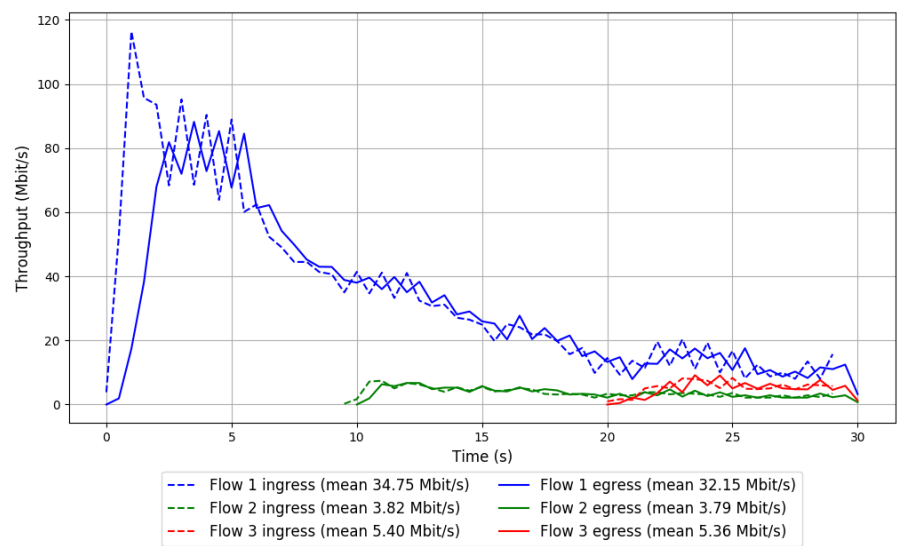
-- Flow 3:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 67.467 ms

Loss rate: 0.62%

Run 10: Report of Indigo — Data Link

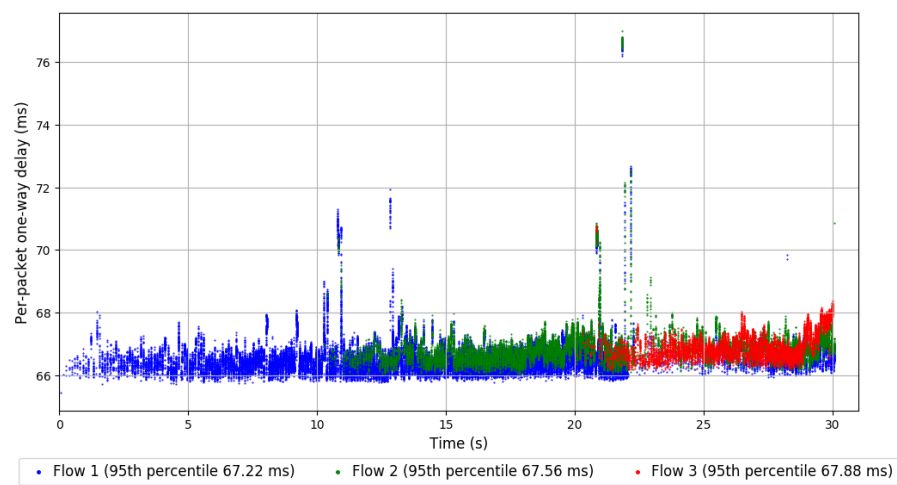
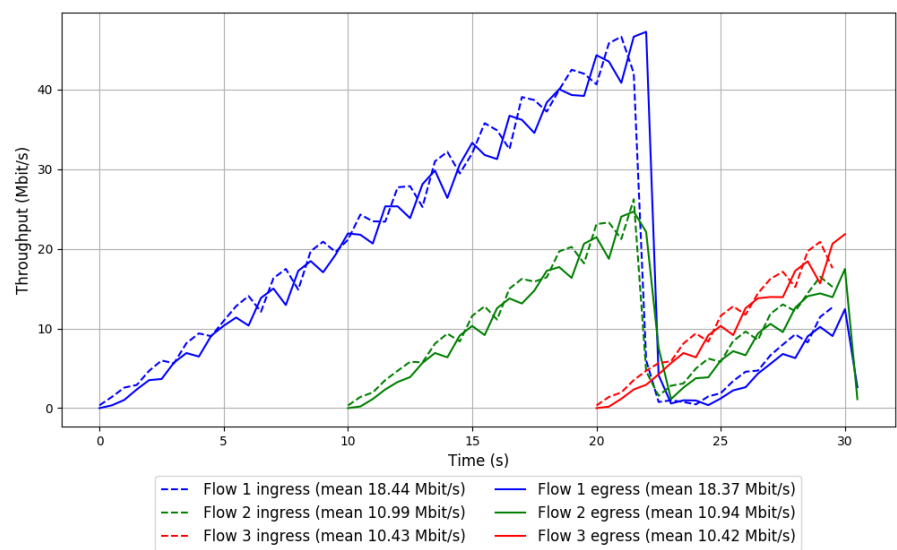


```
Run 1: Statistics of LEDBAT

Start at: 2018-05-22 03:27:15
End at: 2018-05-22 03:27:45
Local clock offset: -0.487 ms
Remote clock offset: 0.965 ms

# Below is generated by plot.py at 2018-05-22 07:07:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 67.483 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 18.37 Mbit/s
95th percentile per-packet one-way delay: 67.219 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 67.555 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 67.876 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-05-22 03:48:45

End at: 2018-05-22 03:49:15

Local clock offset: 4.263 ms

Remote clock offset: -0.06 ms

Below is generated by plot.py at 2018-05-22 07:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.24 Mbit/s

95th percentile per-packet one-way delay: 67.865 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 67.973 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 67.405 ms

Loss rate: 0.24%

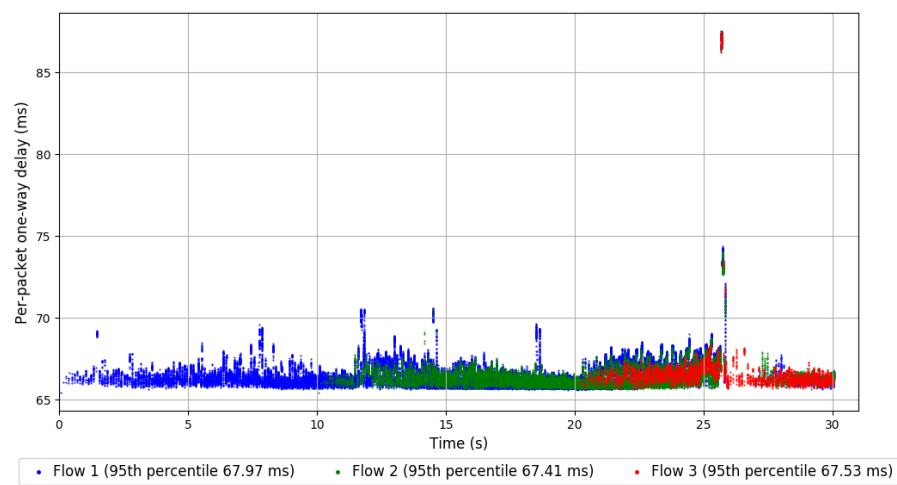
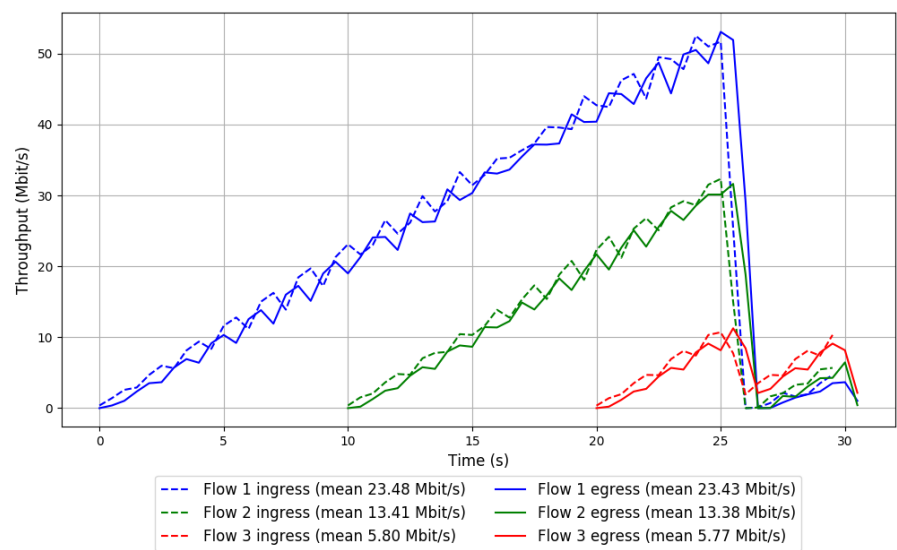
-- Flow 3:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 67.532 ms

Loss rate: 0.61%

Run 2: Report of LEDBAT — Data Link

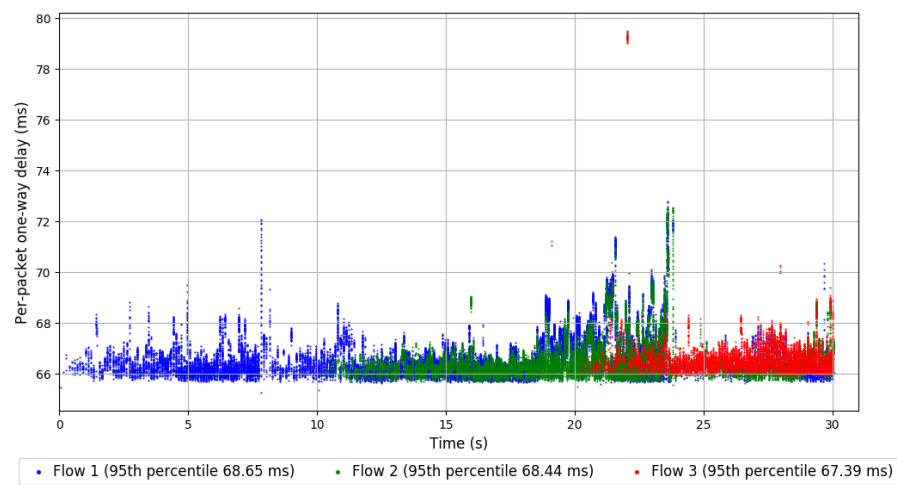
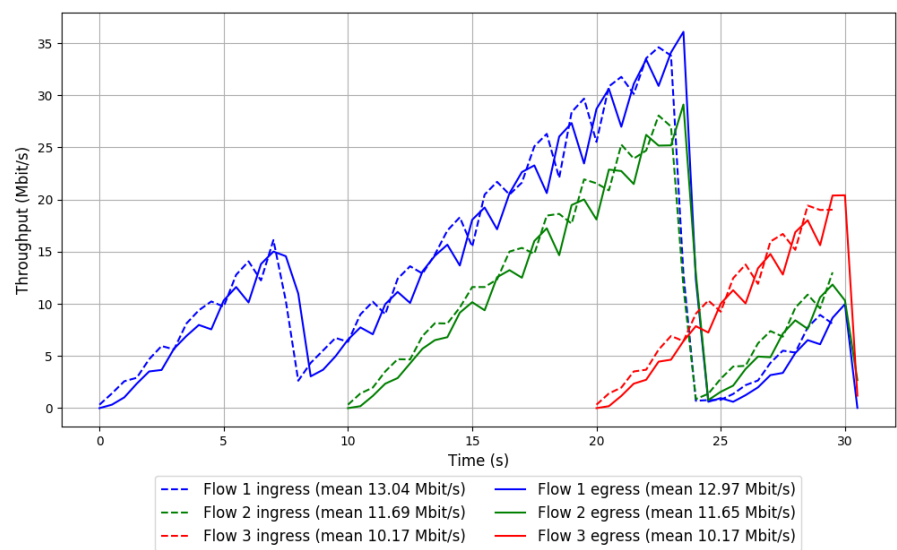


Run 3: Statistics of LEDBAT

Start at: 2018-05-22 04:10:16
End at: 2018-05-22 04:10:46
Local clock offset: -0.012 ms
Remote clock offset: -0.987 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 68.453 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 12.97 Mbit/s
95th percentile per-packet one-way delay: 68.646 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 68.443 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 67.392 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

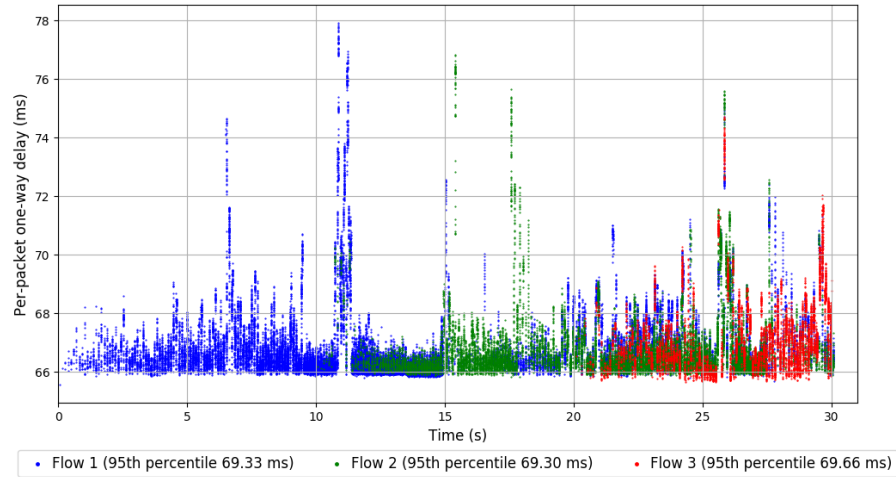
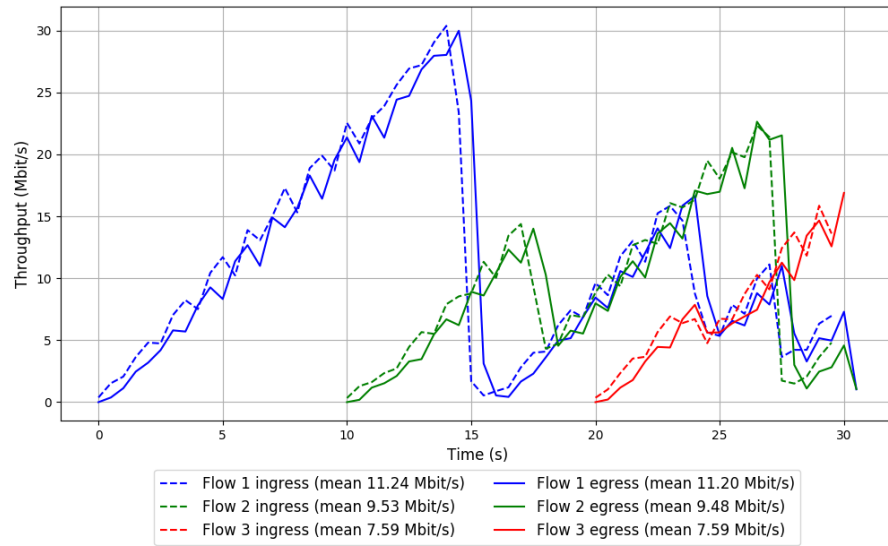


Run 4: Statistics of LEDBAT

Start at: 2018-05-22 04:31:42
End at: 2018-05-22 04:32:12
Local clock offset: -0.942 ms
Remote clock offset: -2.451 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 69.402 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 69.330 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 69.304 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 7.59 Mbit/s
95th percentile per-packet one-way delay: 69.658 ms
Loss rate: 0.05%

Run 4: Report of LEDBAT — Data Link

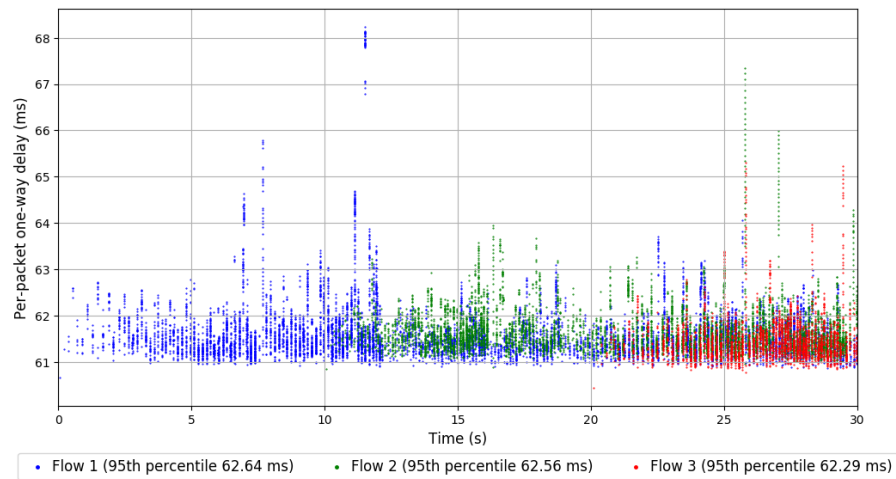
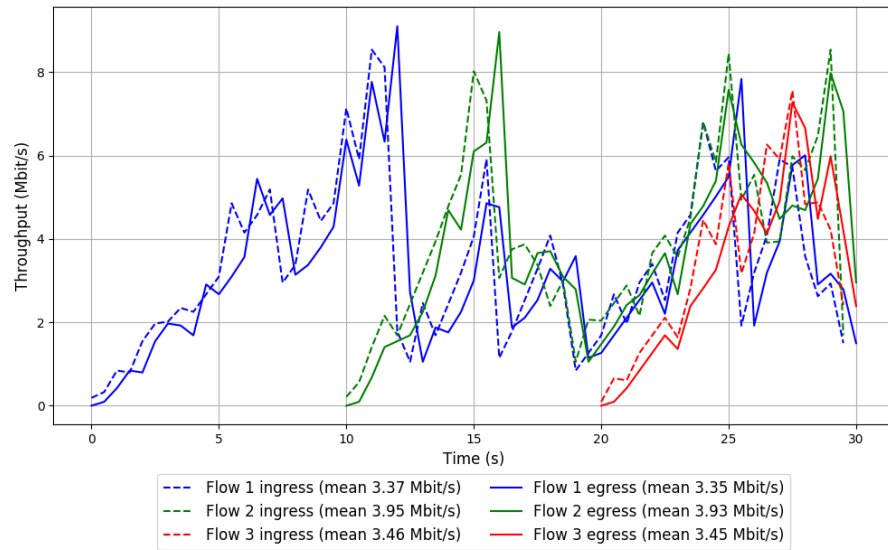


Run 5: Statistics of LEDBAT

Start at: 2018-05-22 04:53:09
End at: 2018-05-22 04:53:39
Local clock offset: -0.903 ms
Remote clock offset: -4.667 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 62.580 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 62.636 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 62.557 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 62.288 ms
Loss rate: 0.31%

Run 5: Report of LEDBAT — Data Link

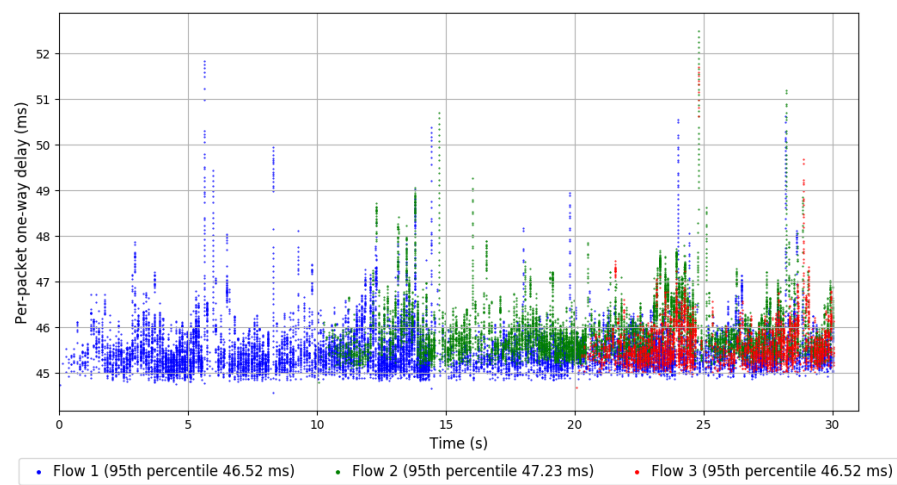
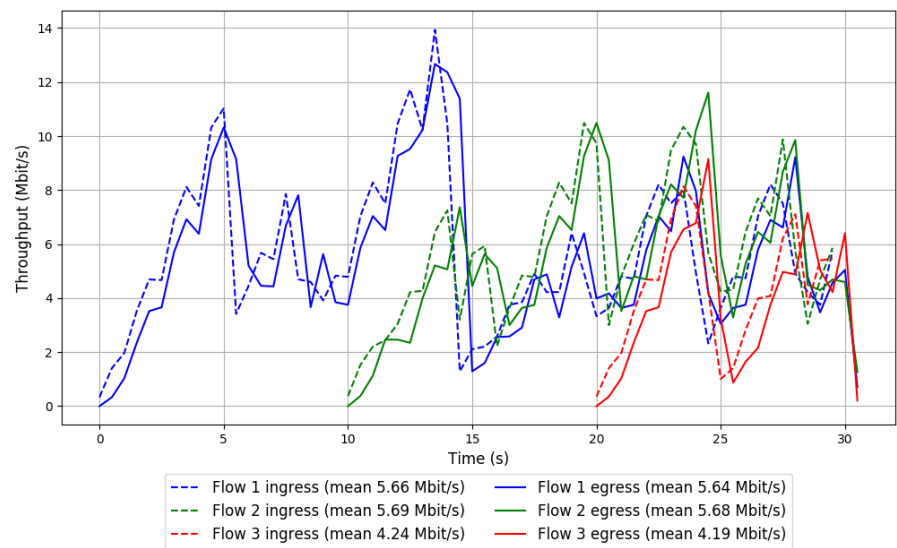


Run 6: Statistics of LEDBAT

Start at: 2018-05-22 05:15:10
End at: 2018-05-22 05:15:40
Local clock offset: -0.485 ms
Remote clock offset: -18.924 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 10.80 Mbit/s
95th percentile per-packet one-way delay: 46.884 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 46.522 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 47.229 ms
Loss rate: 0.20%
-- Flow 3:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 46.516 ms
Loss rate: 1.11%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-05-22 05:36:37

End at: 2018-05-22 05:37:07

Local clock offset: 1.677 ms

Remote clock offset: -0.41 ms

Below is generated by plot.py at 2018-05-22 07:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 67.345 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 6.33 Mbit/s

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

Loss rate: 0.34%

-- Flow 2:

Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 67.260 ms

Loss rate: 0.31%

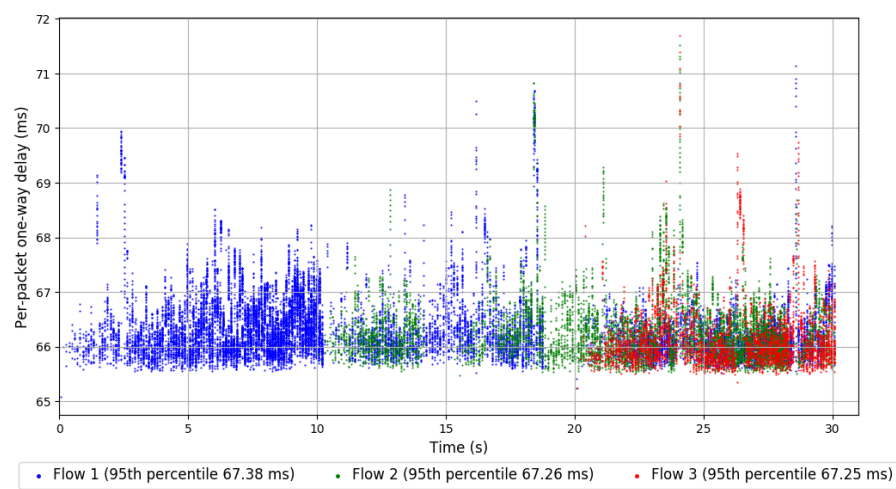
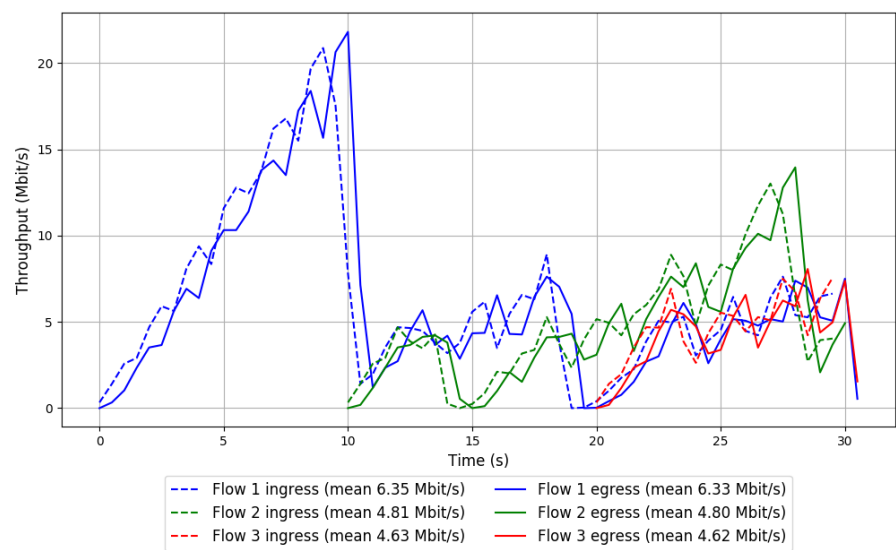
-- Flow 3:

Average throughput: 4.62 Mbit/s

95th percentile per-packet one-way delay: 67.248 ms

Loss rate: 0.23%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-05-22 05:58:01

End at: 2018-05-22 05:58:31

Local clock offset: 2.729 ms

Remote clock offset: 0.875 ms

Below is generated by plot.py at 2018-05-22 07:07:41

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 67.168 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 67.326 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 66.840 ms

Loss rate: 0.12%

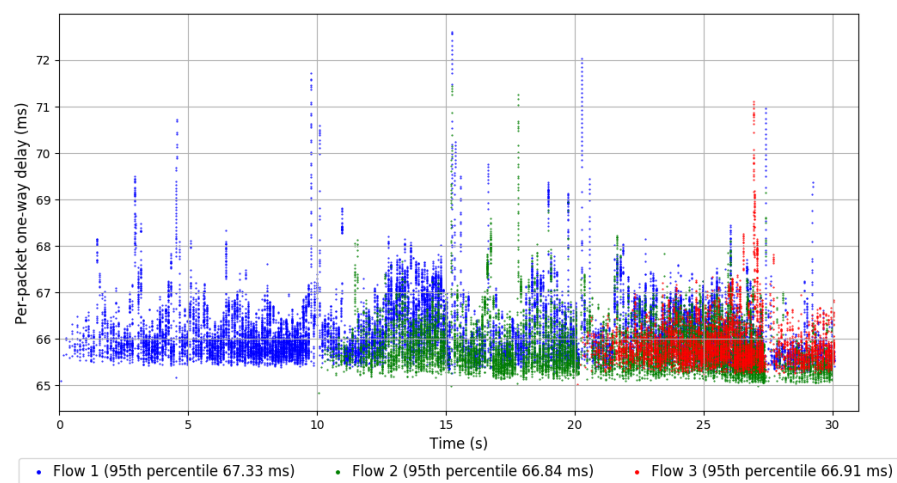
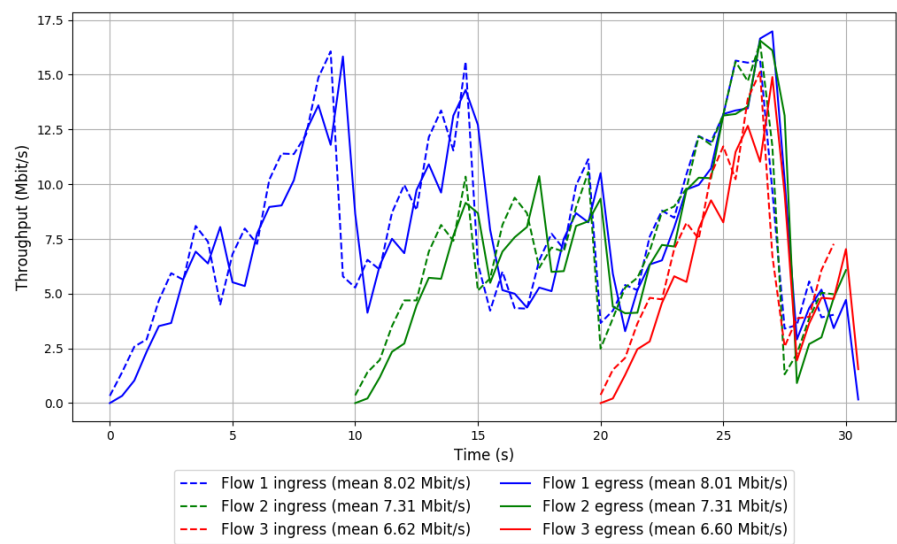
-- Flow 3:

Average throughput: 6.60 Mbit/s

95th percentile per-packet one-way delay: 66.910 ms

Loss rate: 0.21%

Run 8: Report of LEDBAT — Data Link

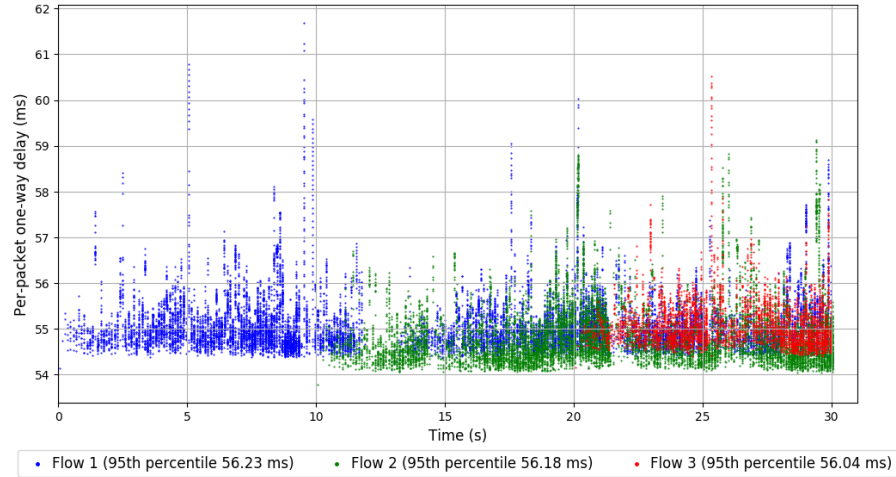
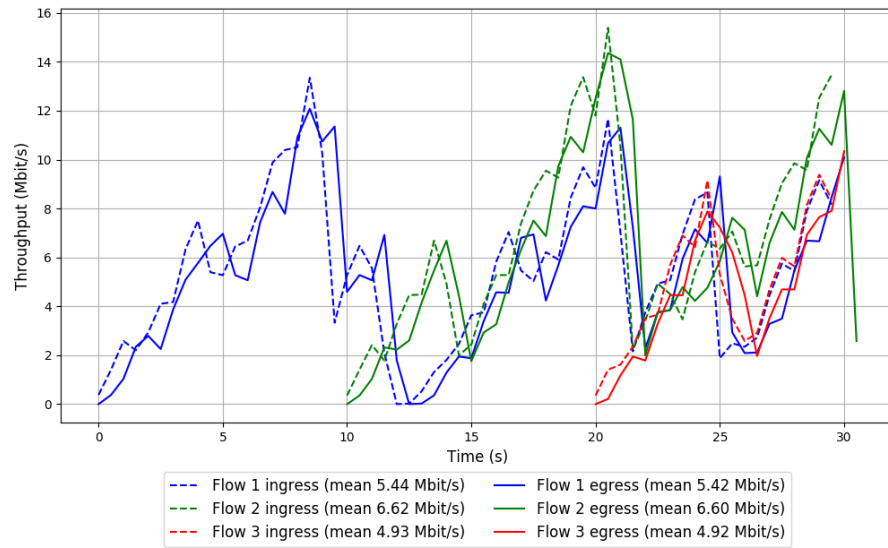


Run 9: Statistics of LEDBAT

Start at: 2018-05-22 06:19:26
End at: 2018-05-22 06:19:56
Local clock offset: -0.327 ms
Remote clock offset: -9.229 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 11.43 Mbit/s
95th percentile per-packet one-way delay: 56.183 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 56.232 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 56.182 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 56.038 ms
Loss rate: 0.12%

Run 9: Report of LEDBAT — Data Link

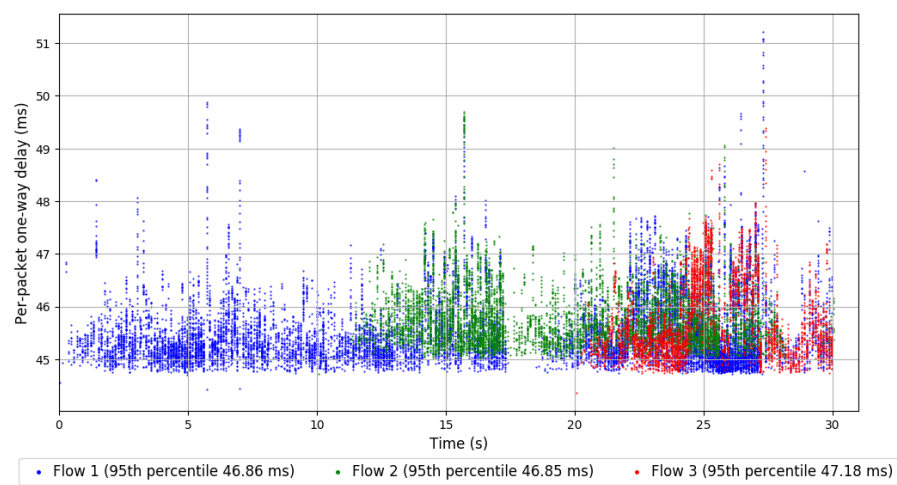
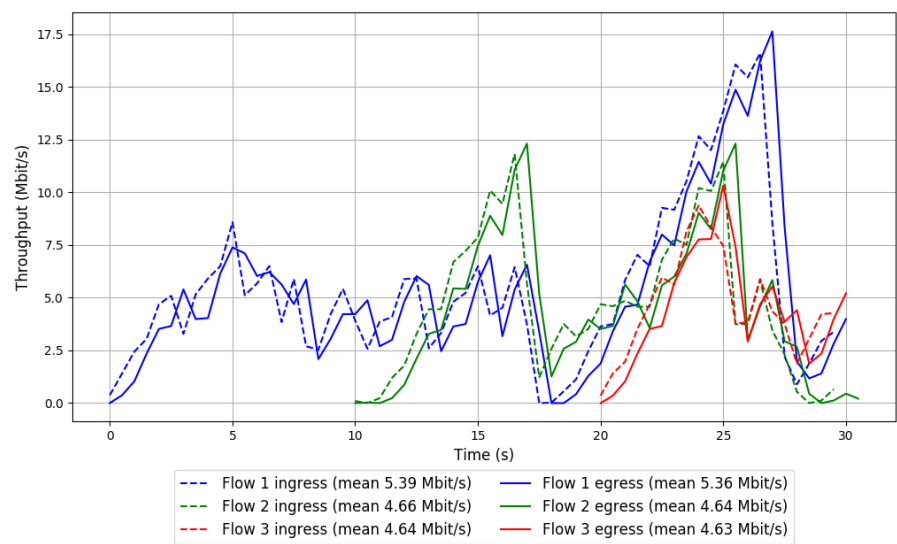


Run 10: Statistics of LEDBAT

Start at: 2018-05-22 06:45:01
End at: 2018-05-22 06:45:31
Local clock offset: 2.481 ms
Remote clock offset: -17.497 ms

Below is generated by plot.py at 2018-05-22 07:07:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 46.931 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 46.859 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 4.64 Mbit/s
95th percentile per-packet one-way delay: 46.848 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 4.63 Mbit/s
95th percentile per-packet one-way delay: 47.183 ms
Loss rate: 0.26%

Run 10: Report of LEDBAT — Data Link

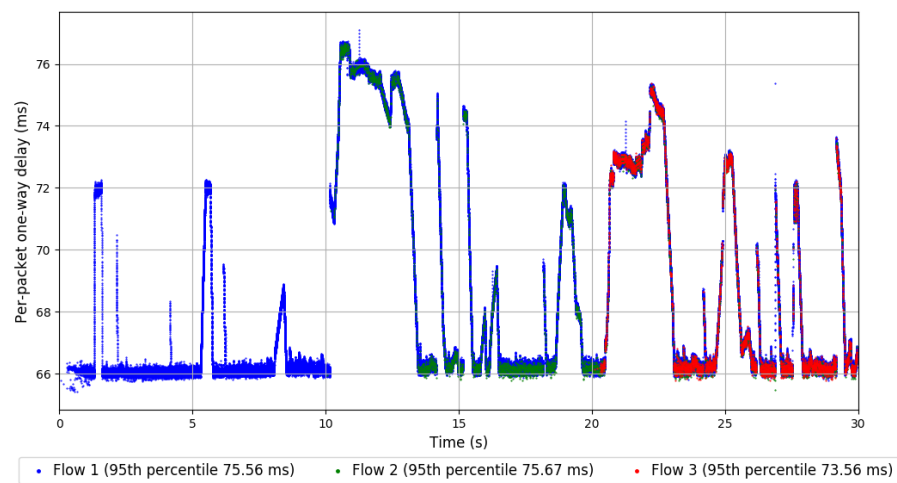
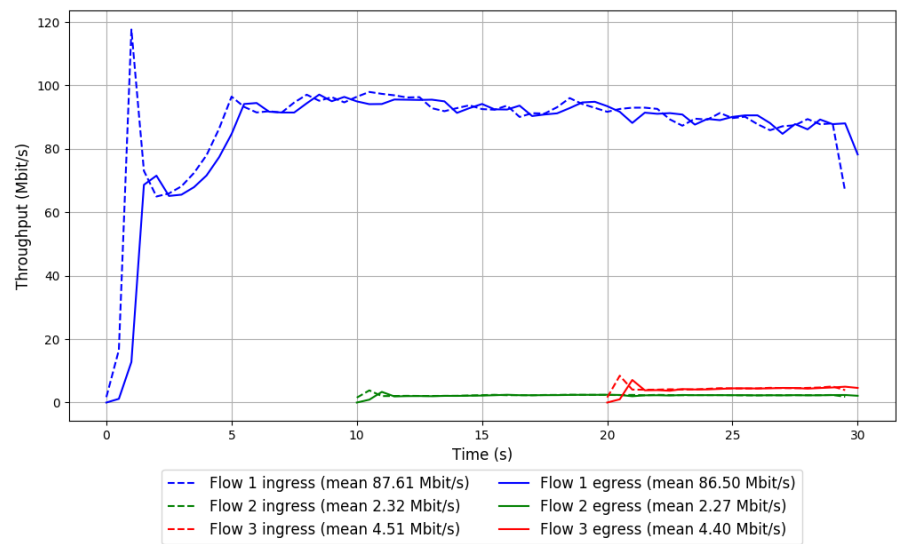


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-05-22 03:24:34
End at: 2018-05-22 03:25:04
Local clock offset: -0.797 ms
Remote clock offset: 1.112 ms

# Below is generated by plot.py at 2018-05-22 07:08:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.46 Mbit/s
95th percentile per-packet one-way delay: 75.550 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 86.50 Mbit/s
95th percentile per-packet one-way delay: 75.558 ms
Loss rate: 1.27%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 75.670 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 73.558 ms
Loss rate: 2.38%
```


Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-22 03:46:04

End at: 2018-05-22 03:46:34

Local clock offset: 3.905 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at 2018-05-22 07:08:26

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 73.193 ms

Loss rate: 1.63%

-- Flow 1:

Average throughput: 77.80 Mbit/s

95th percentile per-packet one-way delay: 73.198 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 72.805 ms

Loss rate: 1.81%

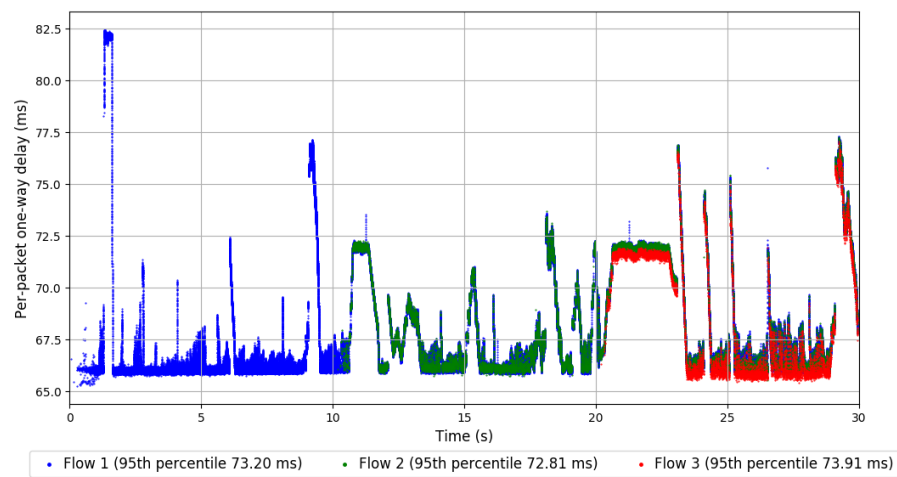
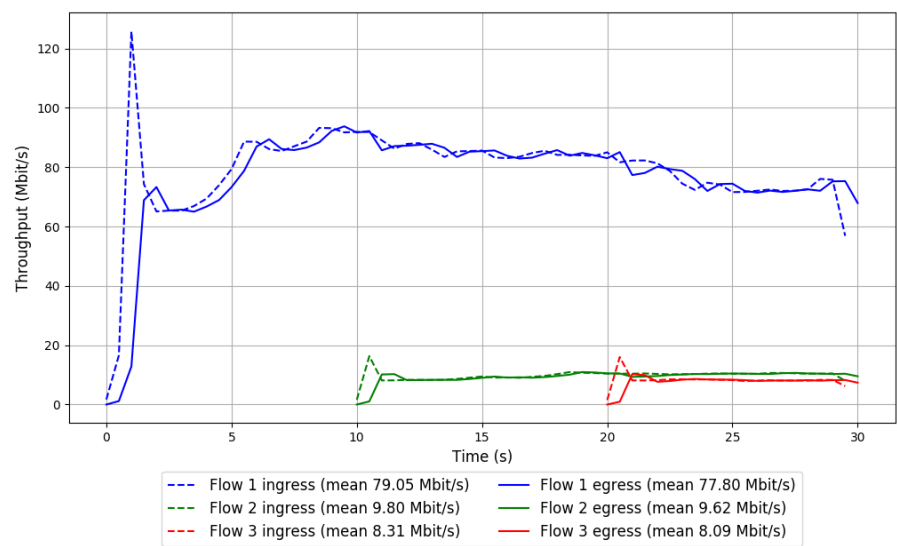
-- Flow 3:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 73.909 ms

Loss rate: 2.59%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-05-22 04:07:34

End at: 2018-05-22 04:08:04

Local clock offset: 0.6 ms

Remote clock offset: -0.65 ms

Below is generated by plot.py at 2018-05-22 07:08:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 74.052 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 82.00 Mbit/s

95th percentile per-packet one-way delay: 74.024 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 74.353 ms

Loss rate: 1.44%

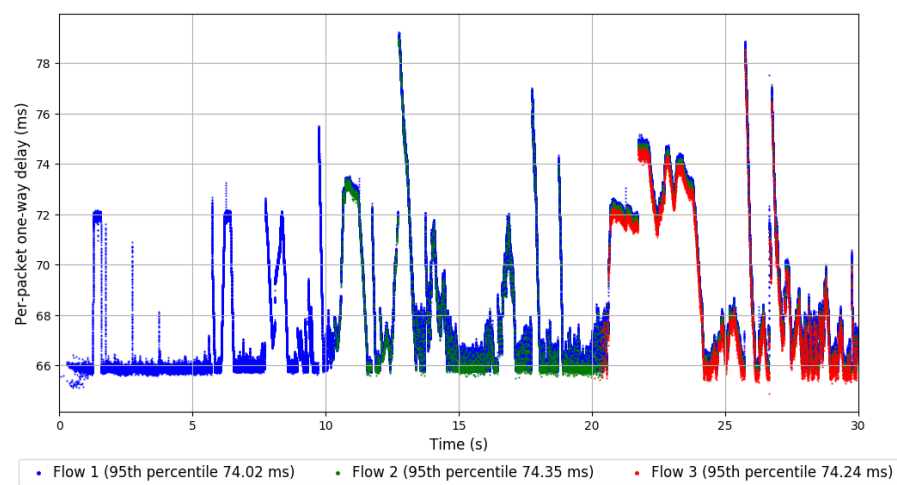
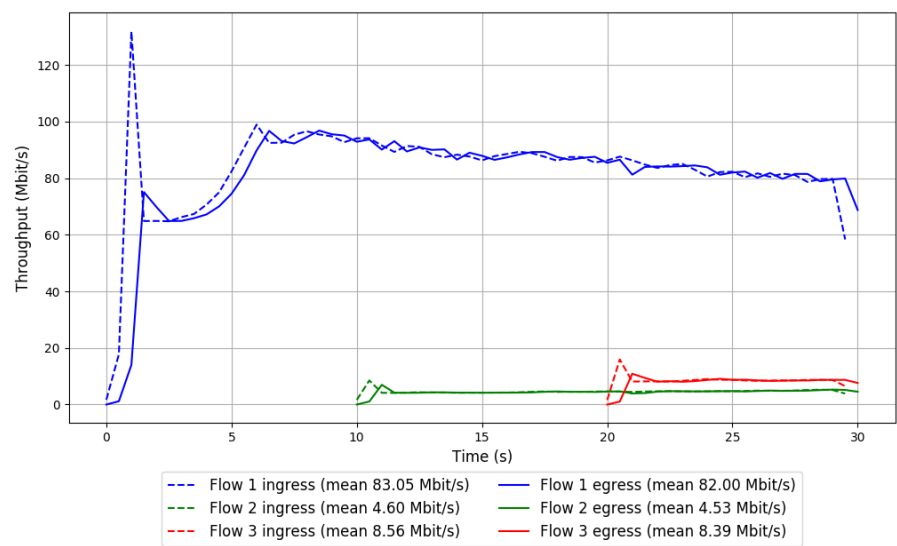
-- Flow 3:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 74.243 ms

Loss rate: 2.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-05-22 04:29:01

End at: 2018-05-22 04:29:31

Local clock offset: -0.995 ms

Remote clock offset: -2.34 ms

Below is generated by plot.py at 2018-05-22 07:08:33

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.15 Mbit/s

95th percentile per-packet one-way delay: 80.715 ms

Loss rate: 1.95%

-- Flow 1:

Average throughput: 64.53 Mbit/s

95th percentile per-packet one-way delay: 80.717 ms

Loss rate: 1.91%

-- Flow 2:

Average throughput: 17.36 Mbit/s

95th percentile per-packet one-way delay: 80.624 ms

Loss rate: 1.72%

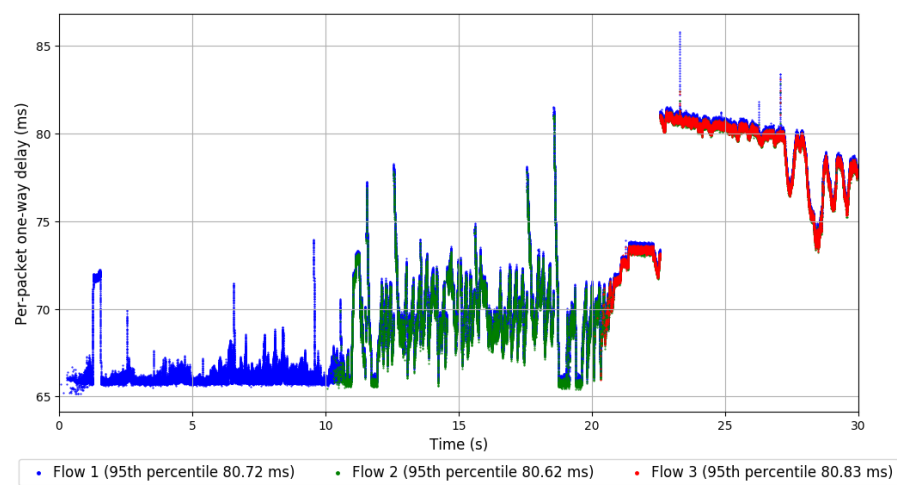
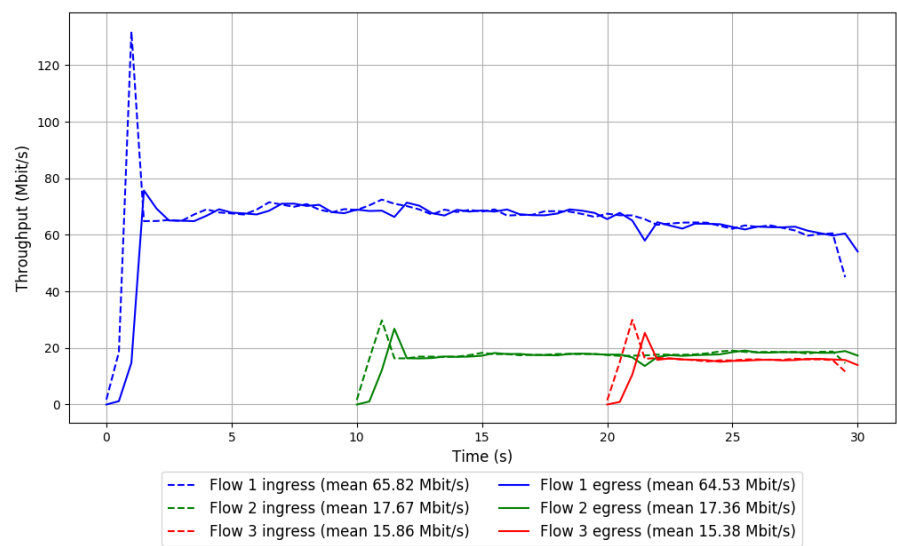
-- Flow 3:

Average throughput: 15.38 Mbit/s

95th percentile per-packet one-way delay: 80.827 ms

Loss rate: 2.95%

Run 4: Report of PCC-Allegro — Data Link

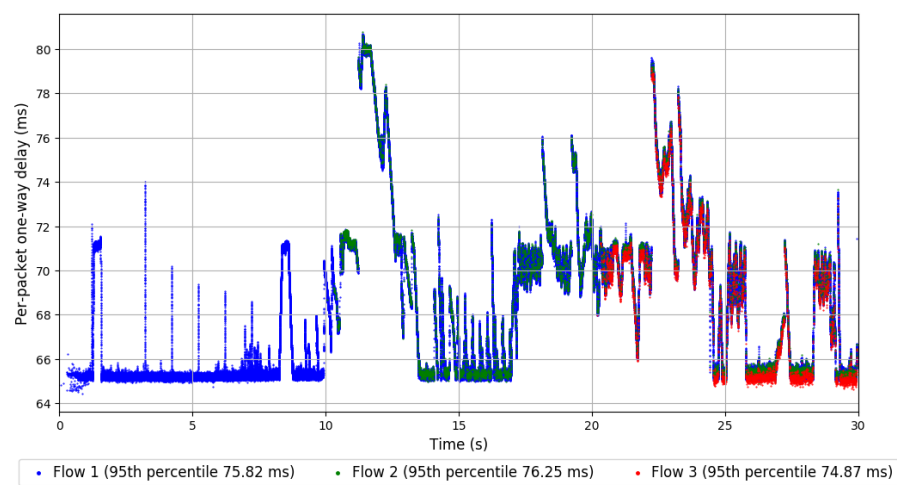
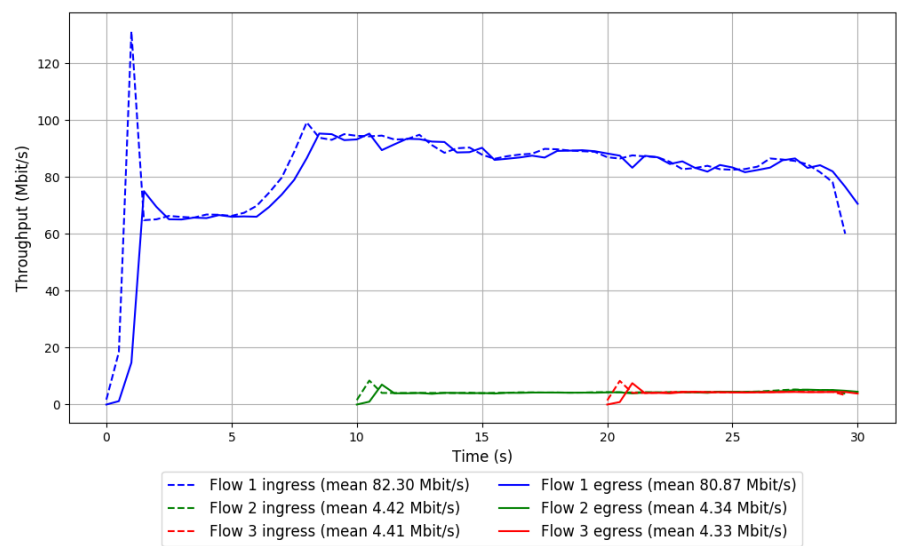


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-22 04:50:29
End at: 2018-05-22 04:50:59
Local clock offset: -0.803 ms
Remote clock offset: -1.068 ms

Below is generated by plot.py at 2018-05-22 07:08:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 85.19 Mbit/s
95th percentile per-packet one-way delay: 75.818 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 80.87 Mbit/s
95th percentile per-packet one-way delay: 75.821 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 4.34 Mbit/s
95th percentile per-packet one-way delay: 76.252 ms
Loss rate: 1.92%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 74.867 ms
Loss rate: 1.89%

Run 5: Report of PCC-Allegro — Data Link

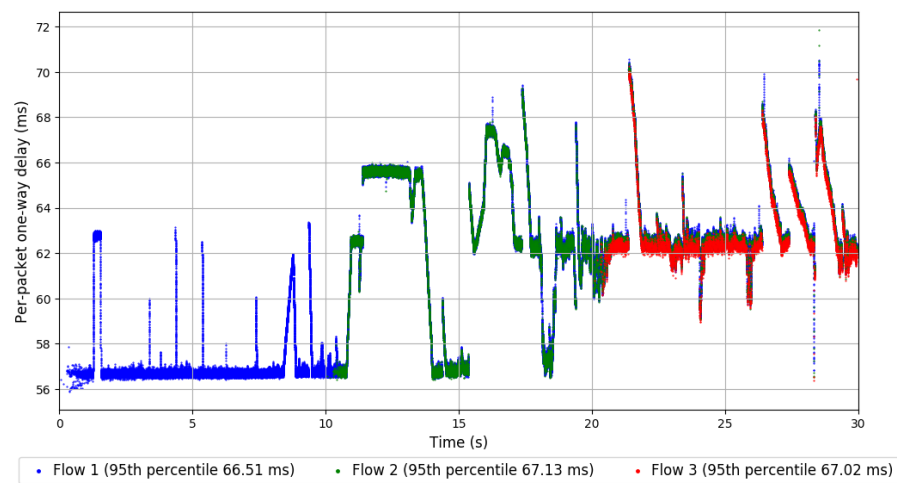
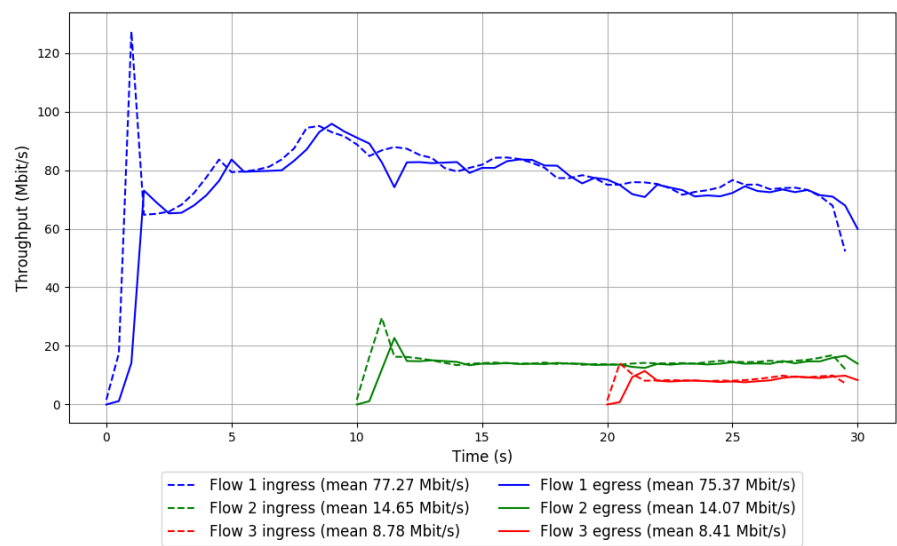


Run 6: Statistics of PCC-Allegro

Start at: 2018-05-22 05:12:28
End at: 2018-05-22 05:12:58
Local clock offset: -0.486 ms
Remote clock offset: -7.533 ms

Below is generated by plot.py at 2018-05-22 07:08:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.48 Mbit/s
95th percentile per-packet one-way delay: 66.569 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 66.511 ms
Loss rate: 2.44%
-- Flow 2:
Average throughput: 14.07 Mbit/s
95th percentile per-packet one-way delay: 67.130 ms
Loss rate: 3.88%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 67.016 ms
Loss rate: 4.09%

Run 6: Report of PCC-Allegro — Data Link

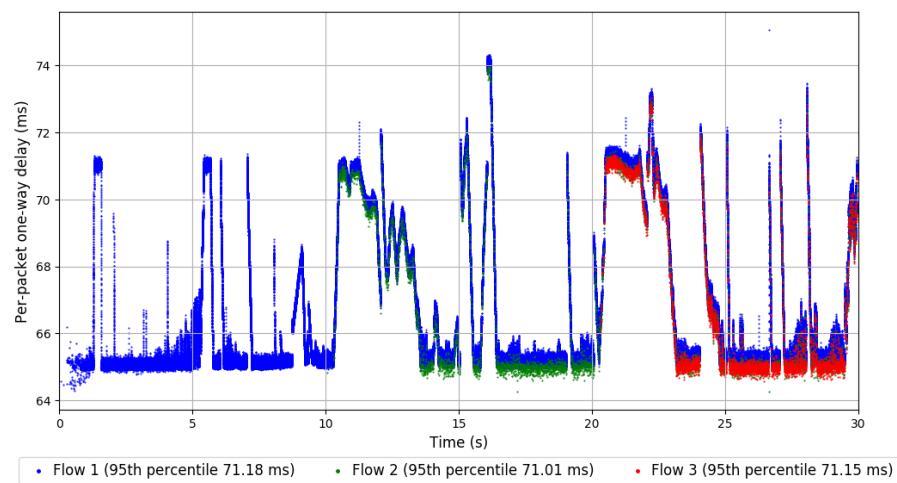
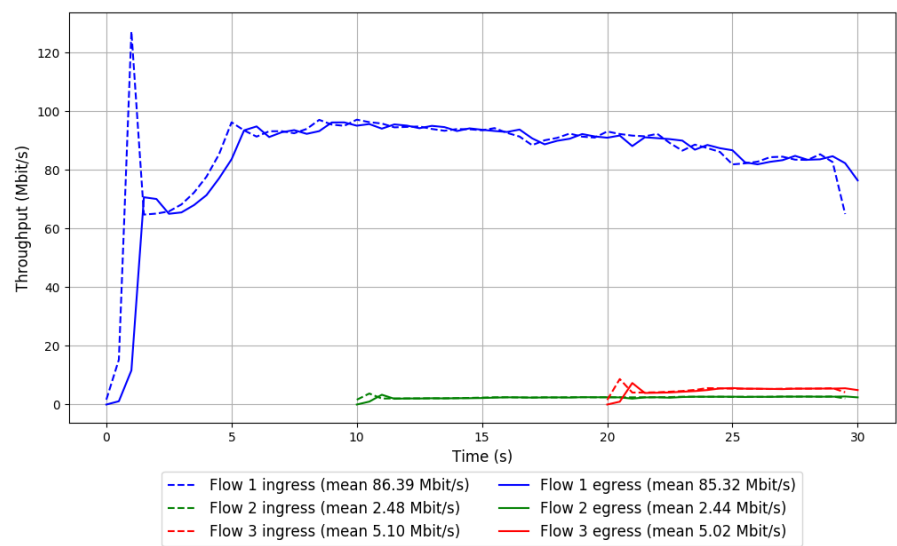


Run 7: Statistics of PCC-Allegro

Start at: 2018-05-22 05:33:56
End at: 2018-05-22 05:34:26
Local clock offset: 1.27 ms
Remote clock offset: -1.273 ms

Below is generated by plot.py at 2018-05-22 07:08:54
Datalink statistics
-- Total of 3 flows:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 71.176 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 85.32 Mbit/s
95th percentile per-packet one-way delay: 71.179 ms
Loss rate: 1.22%
-- Flow 2:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 71.008 ms
Loss rate: 1.76%
-- Flow 3:
Average throughput: 5.02 Mbit/s
95th percentile per-packet one-way delay: 71.148 ms
Loss rate: 1.68%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-22 05:55:20

End at: 2018-05-22 05:55:50

Local clock offset: 3.019 ms

Remote clock offset: 0.548 ms

Below is generated by plot.py at 2018-05-22 07:08:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 76.724 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 83.55 Mbit/s

95th percentile per-packet one-way delay: 76.922 ms

Loss rate: 1.41%

-- Flow 2:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 77.687 ms

Loss rate: 2.99%

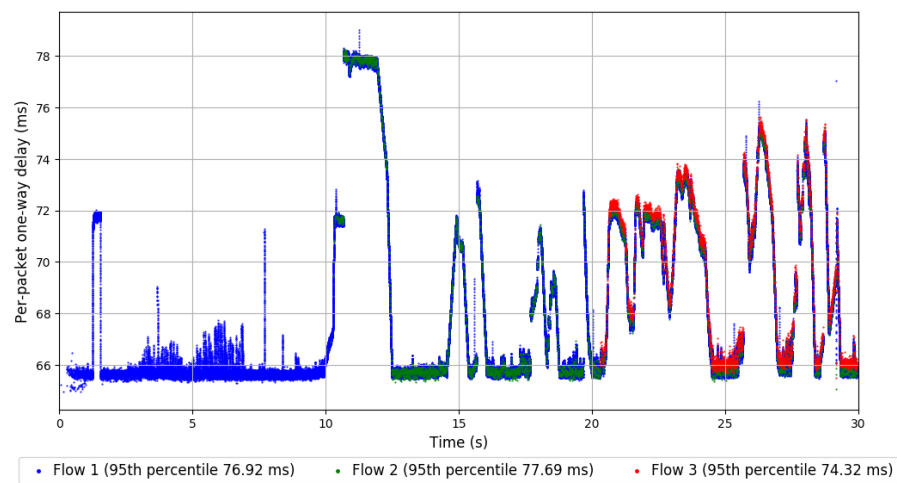
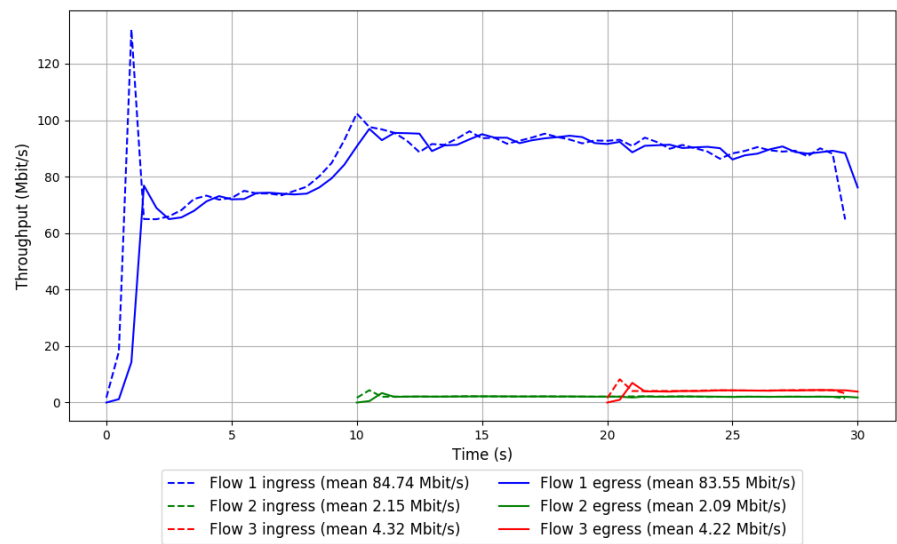
-- Flow 3:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 74.321 ms

Loss rate: 2.18%

Run 8: Report of PCC-Allegro — Data Link

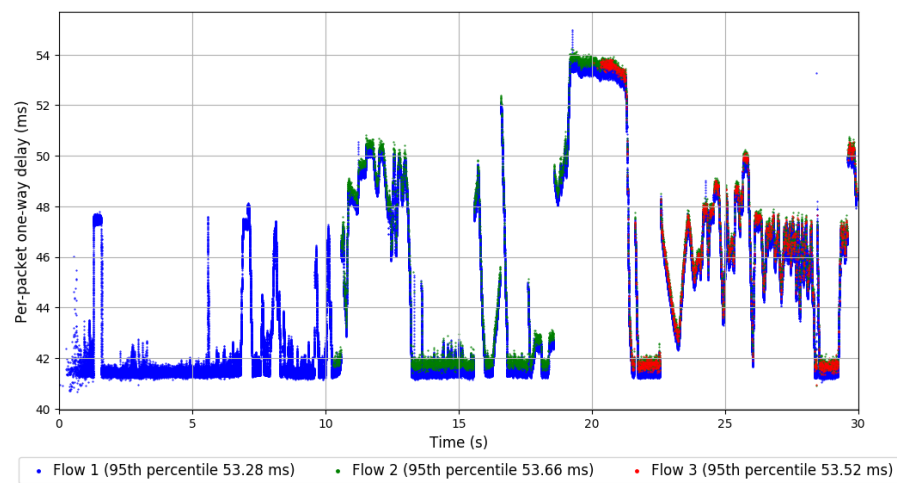
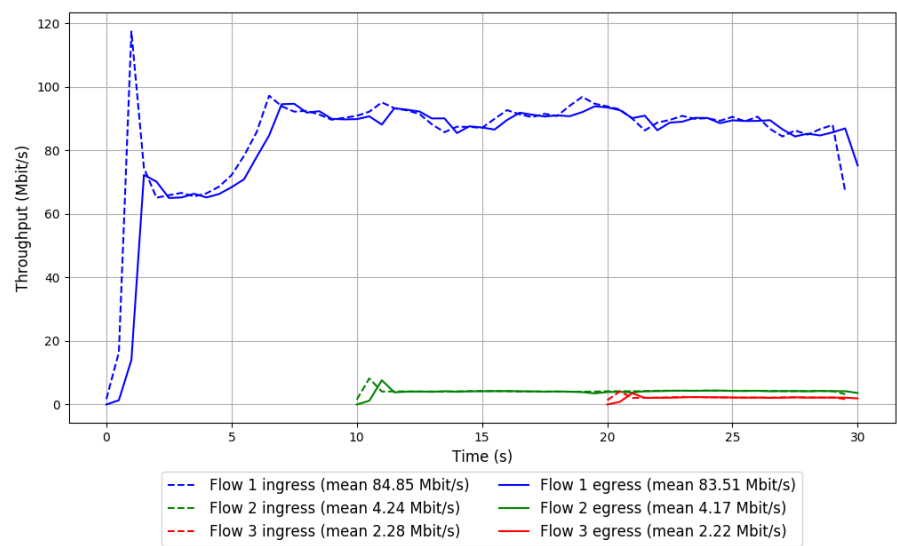


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-22 06:16:46
End at: 2018-05-22 06:17:16
Local clock offset: -0.202 ms
Remote clock offset: -22.252 ms

Below is generated by plot.py at 2018-05-22 07:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 53.294 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 83.51 Mbit/s
95th percentile per-packet one-way delay: 53.284 ms
Loss rate: 1.55%
-- Flow 2:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 53.660 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 53.522 ms
Loss rate: 2.76%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-05-22 06:42:21

End at: 2018-05-22 06:42:51

Local clock offset: 2.305 ms

Remote clock offset: 0.157 ms

Below is generated by plot.py at 2018-05-22 07:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 72.035 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 72.119 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 72.837 ms

Loss rate: 1.90%

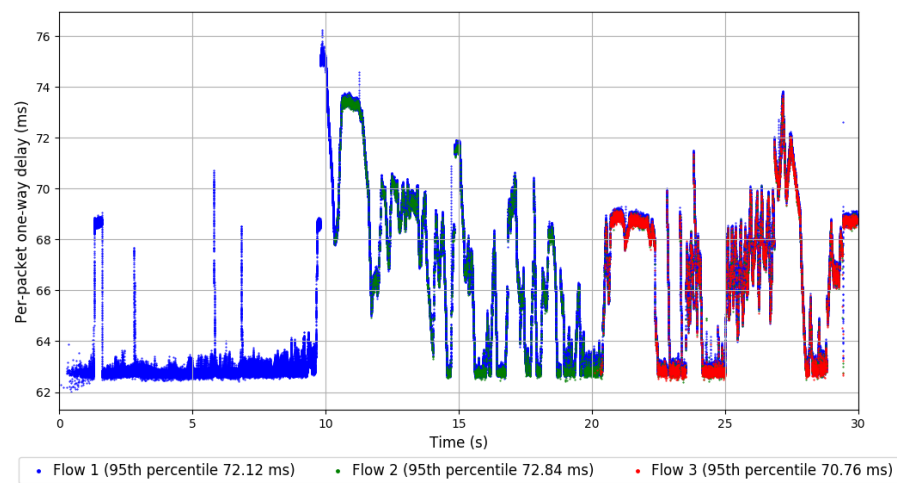
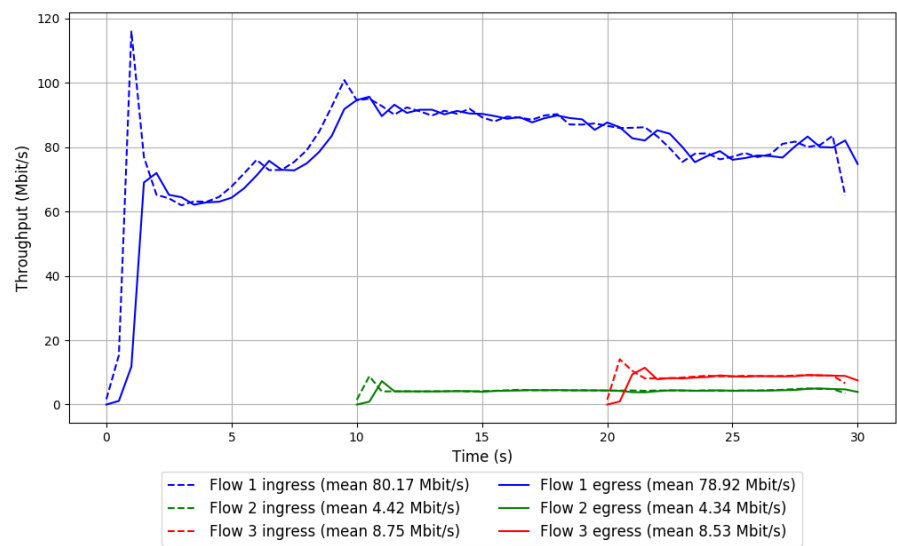
-- Flow 3:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 70.762 ms

Loss rate: 2.38%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

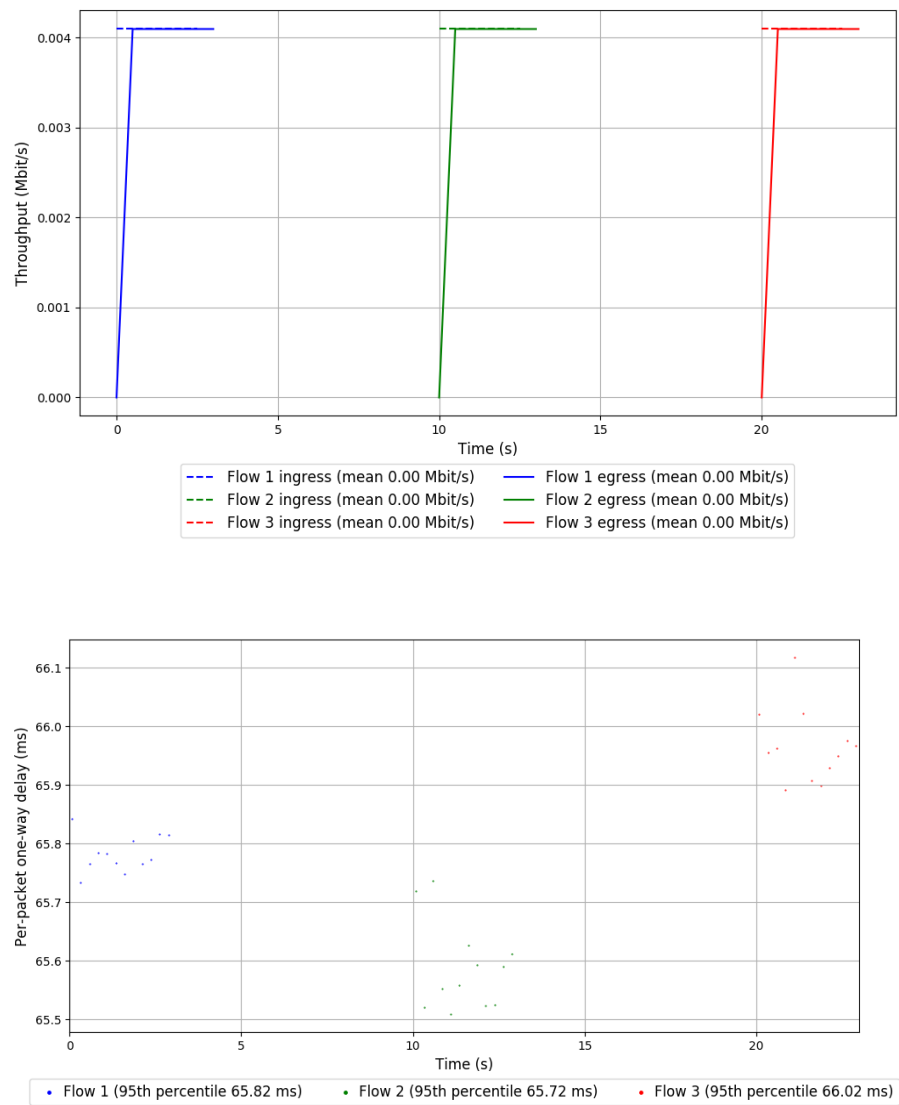
Start at: 2018-05-22 03:32:30

End at: 2018-05-22 03:33:00

Local clock offset: 1.408 ms

Remote clock offset: 0.876 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

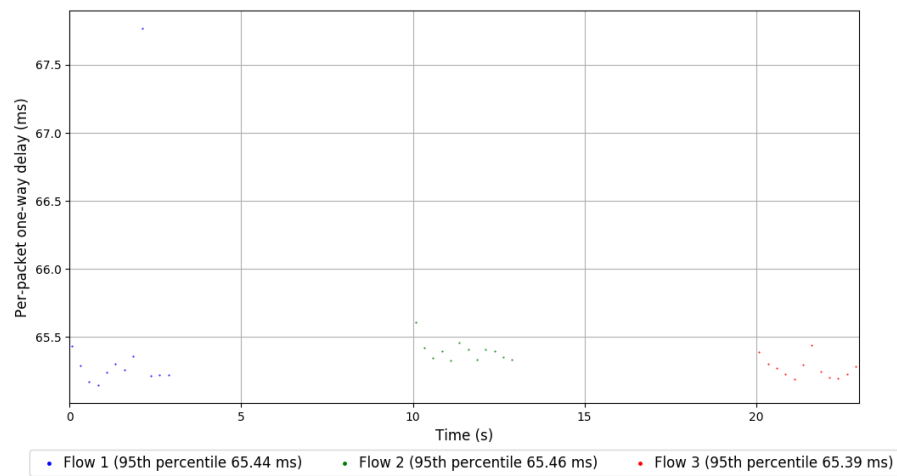
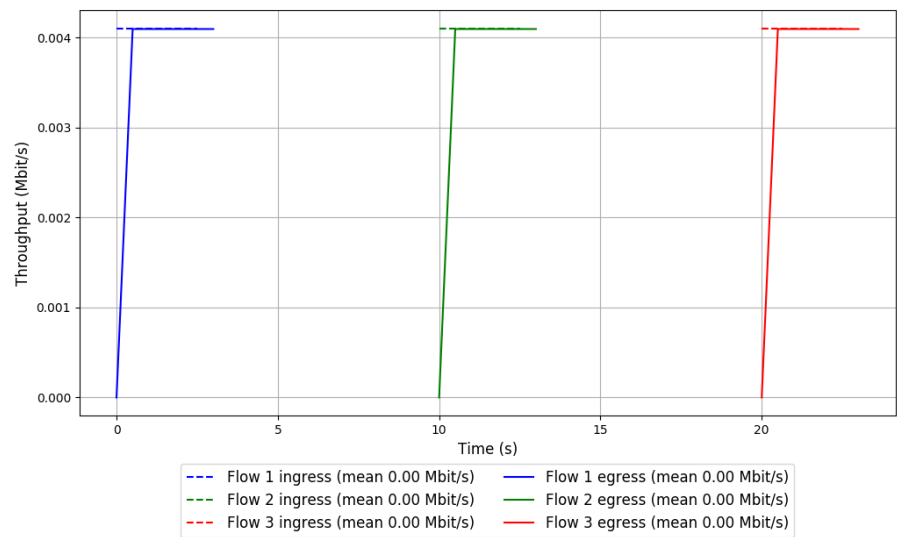
Start at: 2018-05-22 03:54:02

End at: 2018-05-22 03:54:32

Local clock offset: 4.479 ms

Remote clock offset: -0.152 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

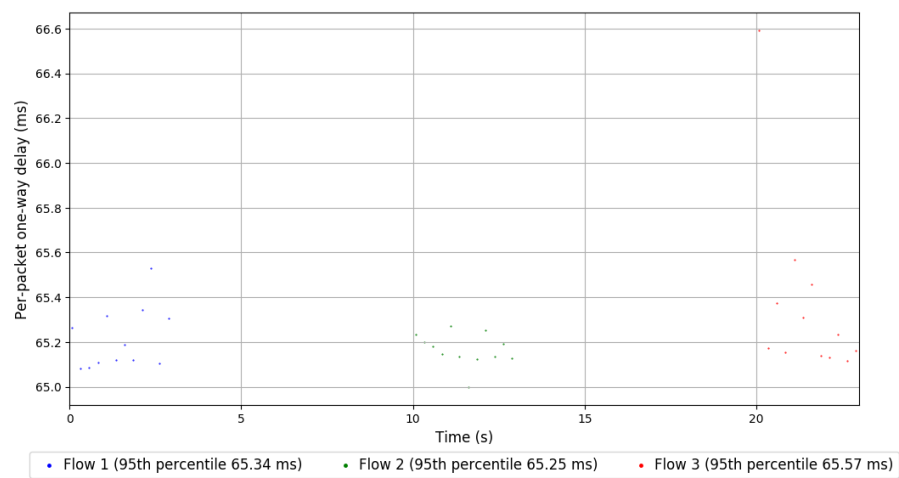
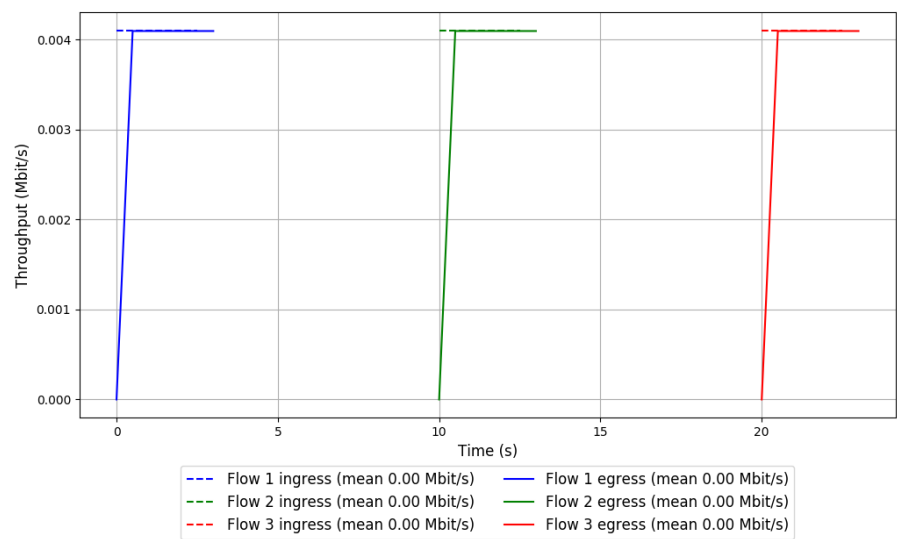
Start at: 2018-05-22 04:15:31

End at: 2018-05-22 04:16:01

Local clock offset: -0.533 ms

Remote clock offset: -1.639 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

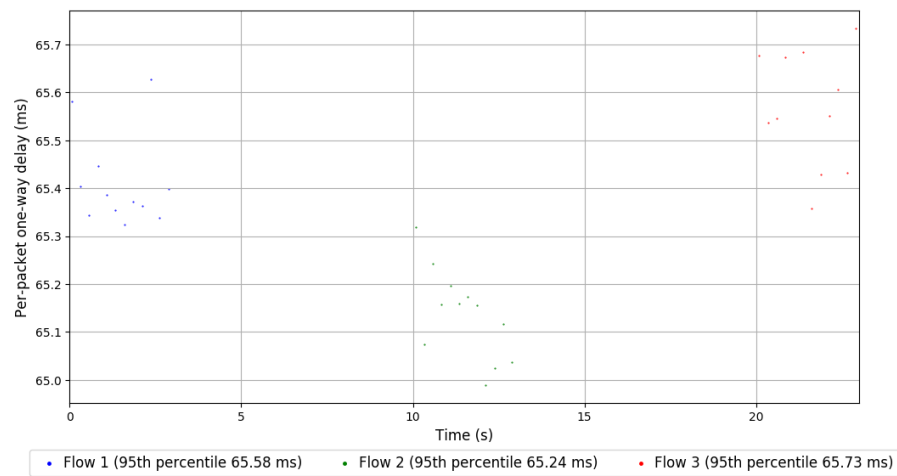
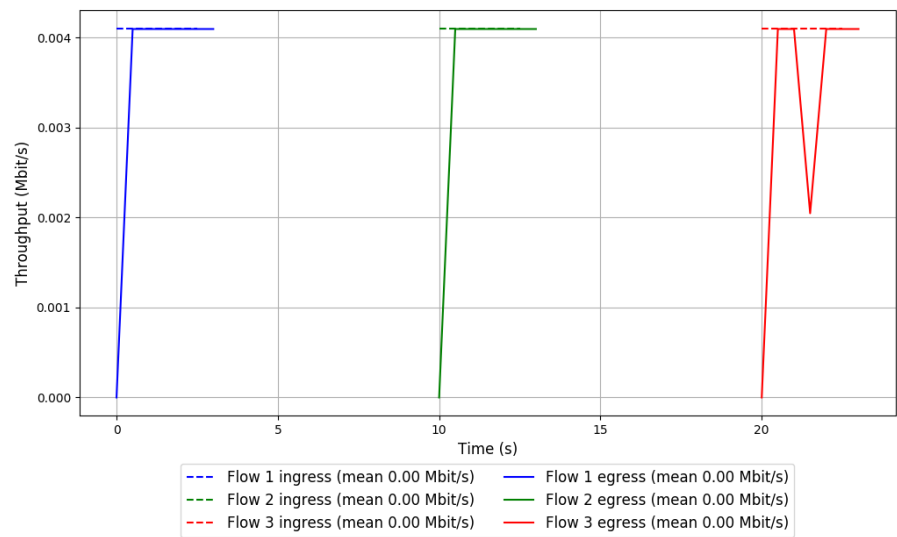
Start at: 2018-05-22 04:36:57

End at: 2018-05-22 04:37:27

Local clock offset: -0.748 ms

Remote clock offset: -2.647 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

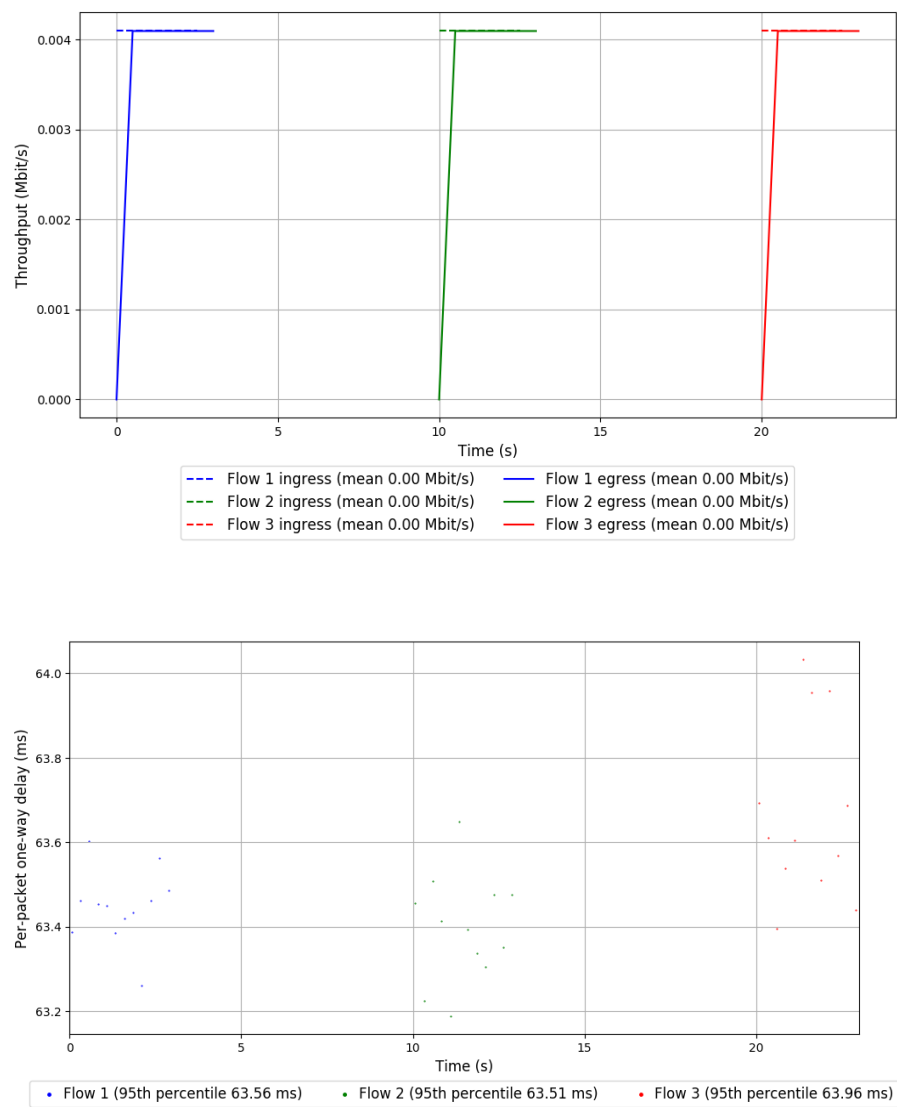
Start at: 2018-05-22 04:58:33

End at: 2018-05-22 04:59:04

Local clock offset: -0.872 ms

Remote clock offset: -1.451 ms

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

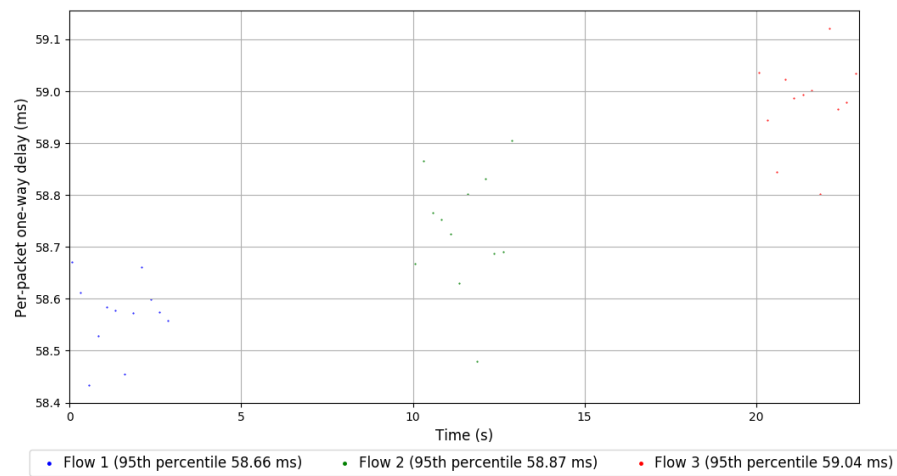
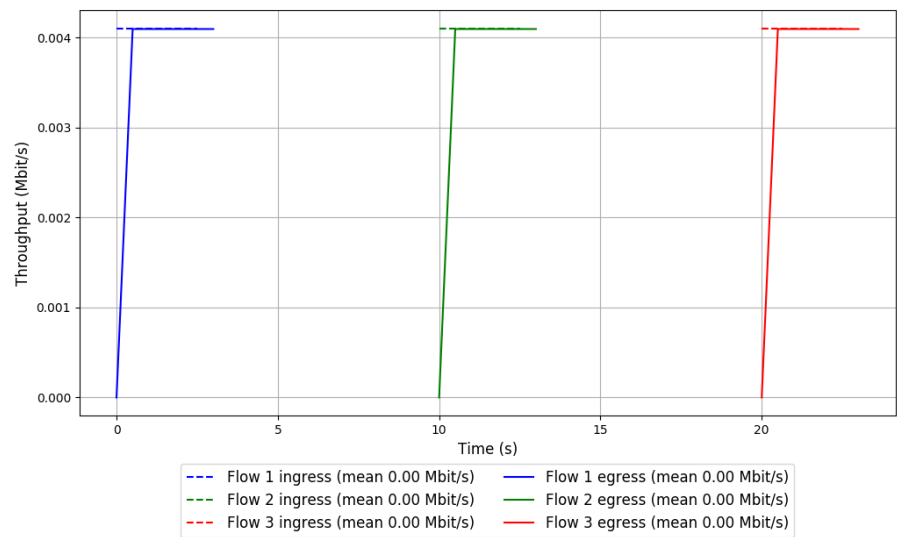
Start at: 2018-05-22 05:20:24

End at: 2018-05-22 05:20:54

Local clock offset: -0.638 ms

Remote clock offset: -5.974 ms

Run 6: Report of PCC-Expr — Data Link



Run 7: Statistics of PCC-Expr

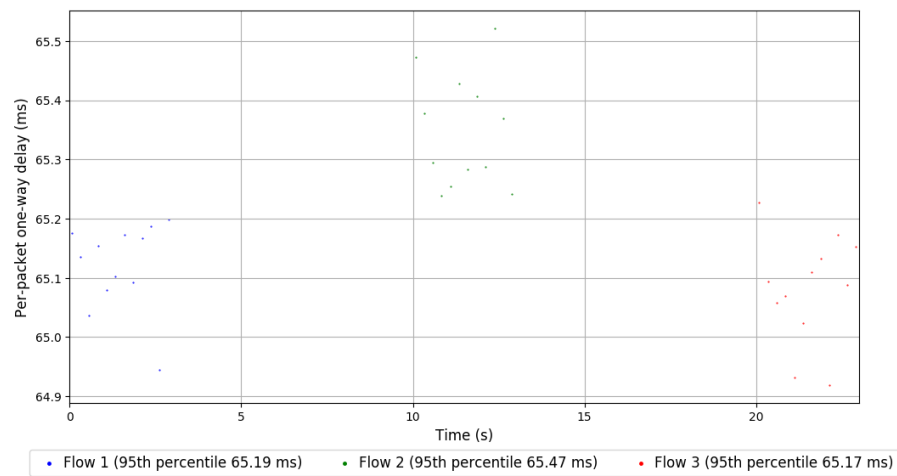
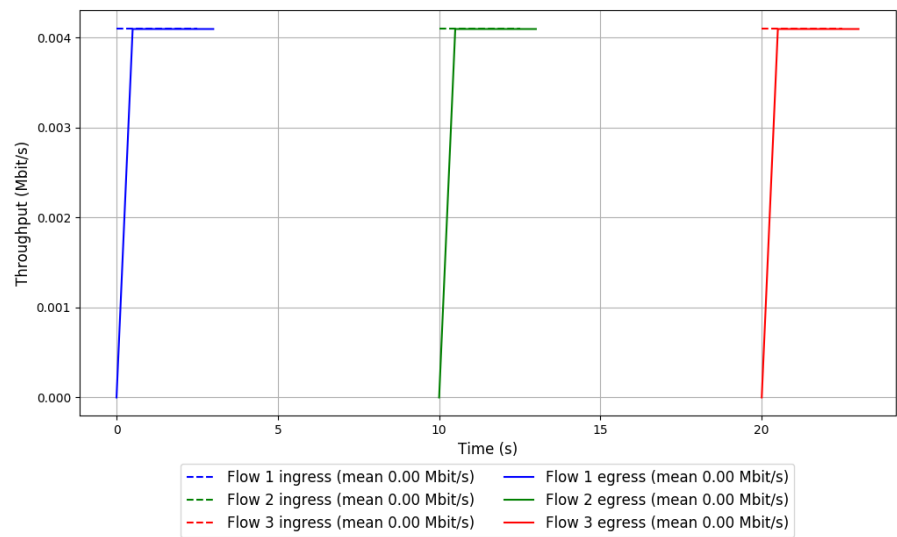
Start at: 2018-05-22 05:41:51

End at: 2018-05-22 05:42:21

Local clock offset: 2.348 ms

Remote clock offset: -0.421 ms

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

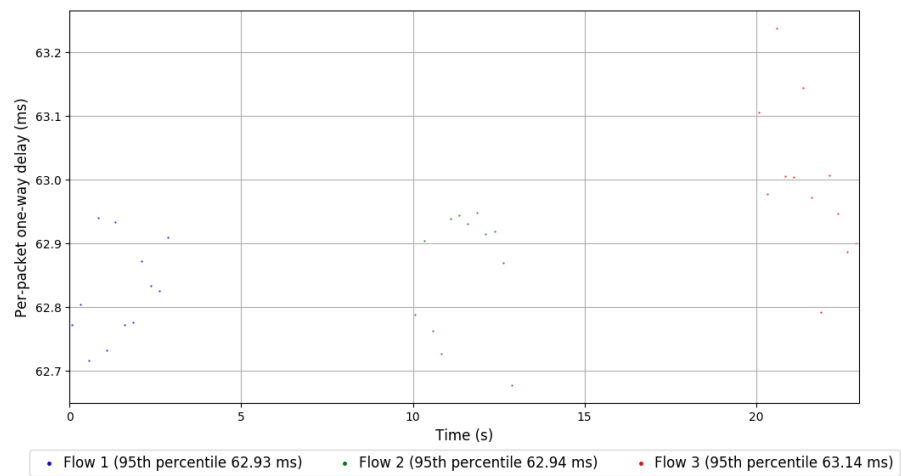
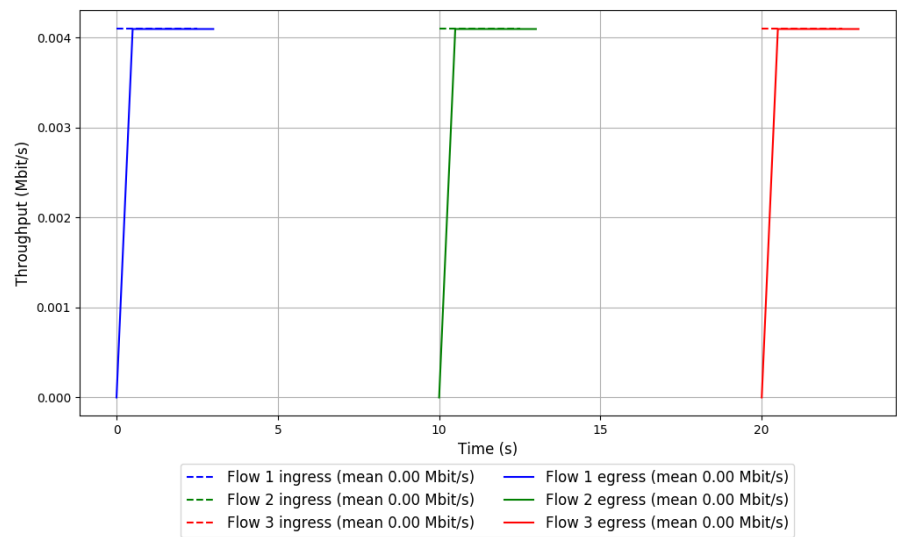
Start at: 2018-05-22 06:03:15

End at: 2018-05-22 06:03:45

Local clock offset: 1.154 ms

Remote clock offset: -1.109 ms

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

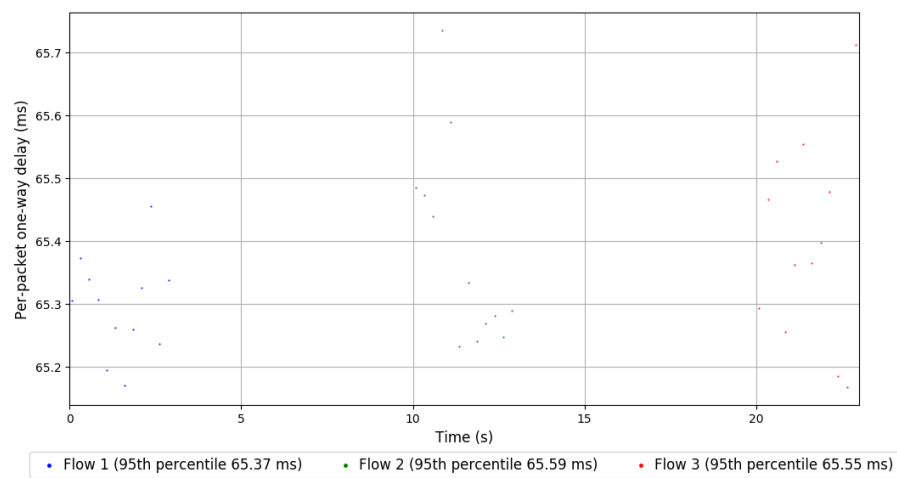
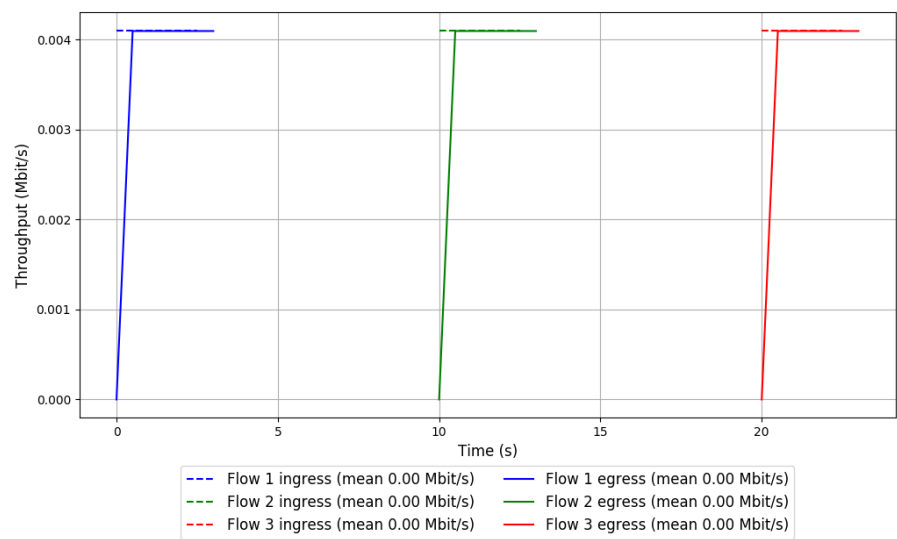
Start at: 2018-05-22 06:24:41

End at: 2018-05-22 06:25:11

Local clock offset: -0.379 ms

Remote clock offset: 2.391 ms

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

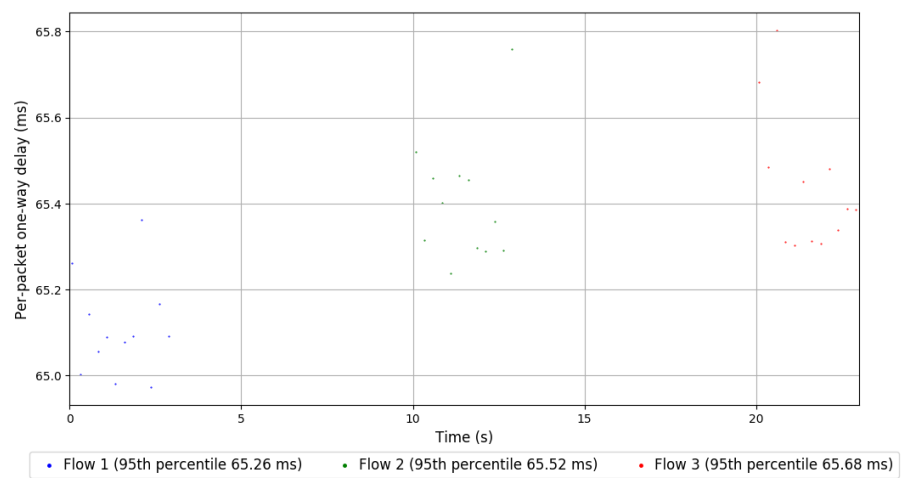
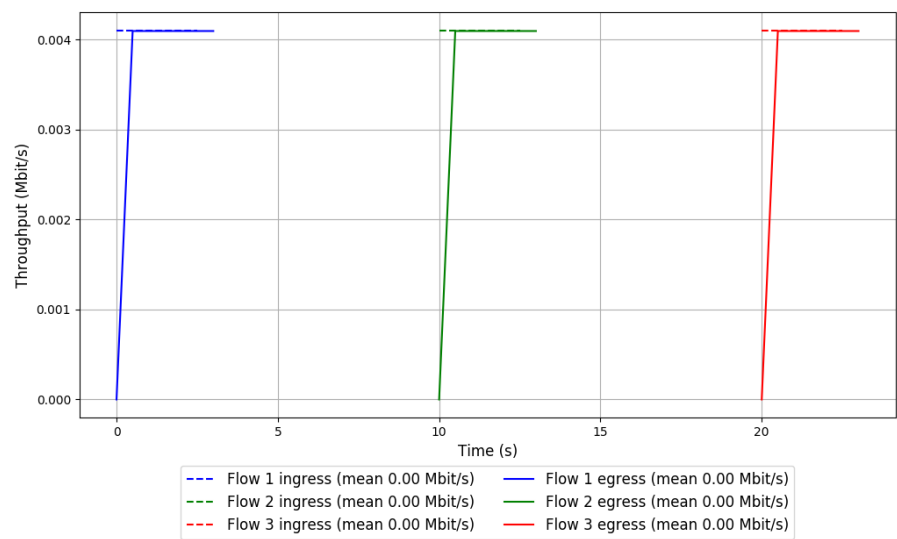
Start at: 2018-05-22 06:50:15

End at: 2018-05-22 06:50:45

Local clock offset: 2.639 ms

Remote clock offset: 3.386 ms

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-05-22 03:25:54

End at: 2018-05-22 03:26:24

Local clock offset: -0.901 ms

Remote clock offset: 1.059 ms

Below is generated by plot.py at 2018-05-22 07:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.96 Mbit/s

95th percentile per-packet one-way delay: 70.594 ms

Loss rate: 1.55%

-- Flow 1:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 70.890 ms

Loss rate: 2.13%

-- Flow 2:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 69.844 ms

Loss rate: 0.74%

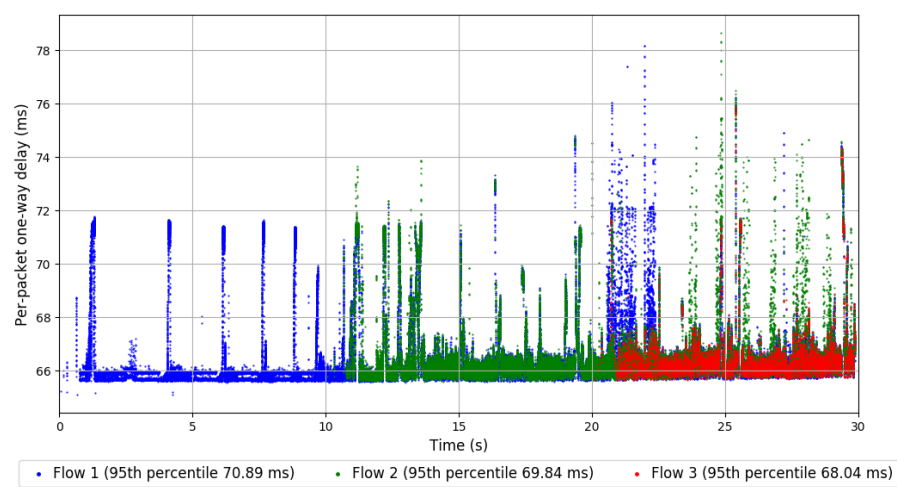
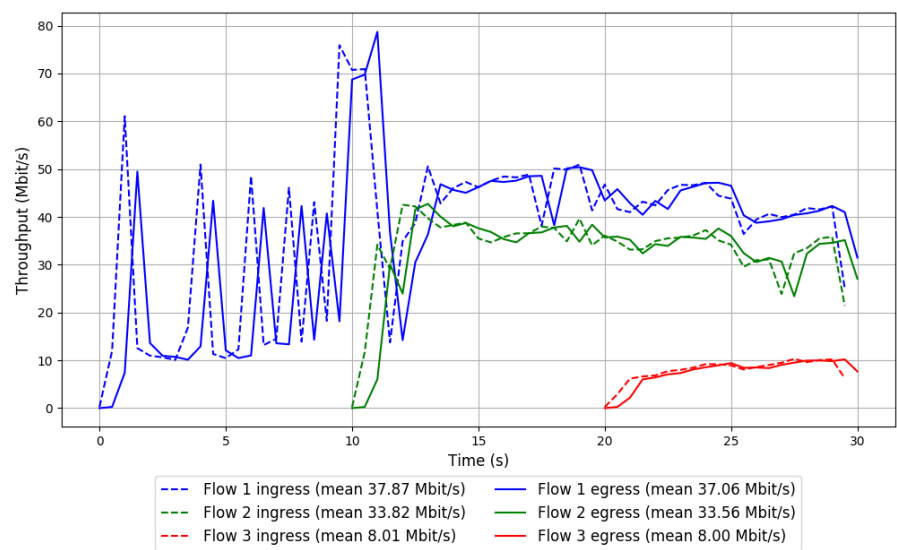
-- Flow 3:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 68.041 ms

Loss rate: 0.12%

Run 1: Report of QUIC Cubic — Data Link

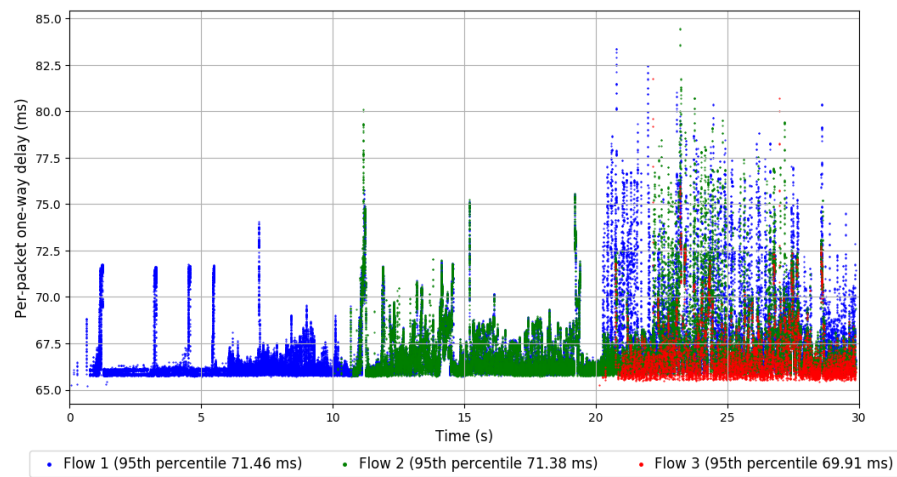
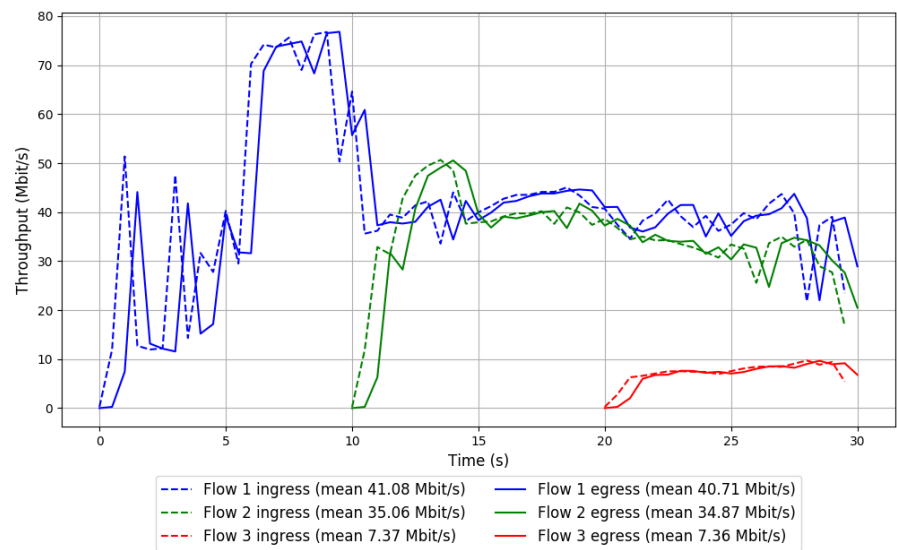


Run 2: Statistics of QUIC Cubic

Start at: 2018-05-22 03:47:24
End at: 2018-05-22 03:47:54
Local clock offset: 4.006 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-05-22 07:09:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 71.413 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 40.71 Mbit/s
95th percentile per-packet one-way delay: 71.456 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 34.87 Mbit/s
95th percentile per-packet one-way delay: 71.377 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 7.36 Mbit/s
95th percentile per-packet one-way delay: 69.906 ms
Loss rate: 0.16%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-05-22 04:08:55

End at: 2018-05-22 04:09:25

Local clock offset: 0.473 ms

Remote clock offset: -0.87 ms

Below is generated by plot.py at 2018-05-22 07:09:40

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.62 Mbit/s

95th percentile per-packet one-way delay: 70.772 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 39.32 Mbit/s

95th percentile per-packet one-way delay: 70.629 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 70.806 ms

Loss rate: 0.40%

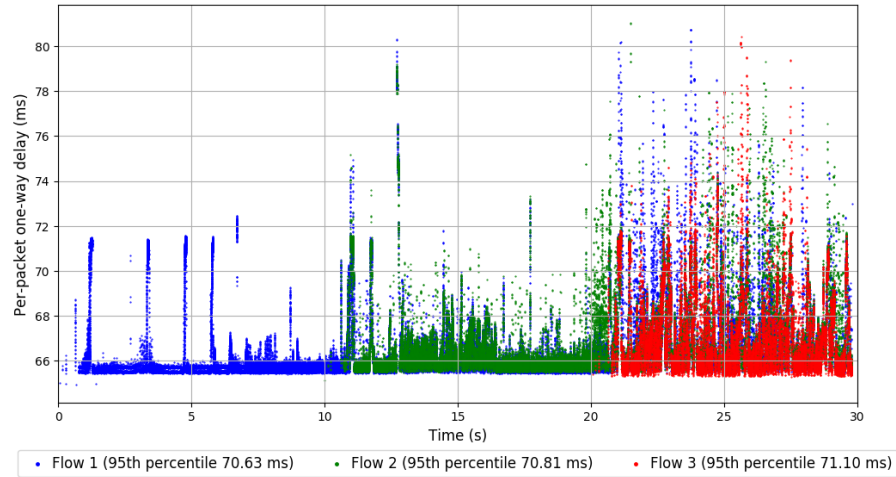
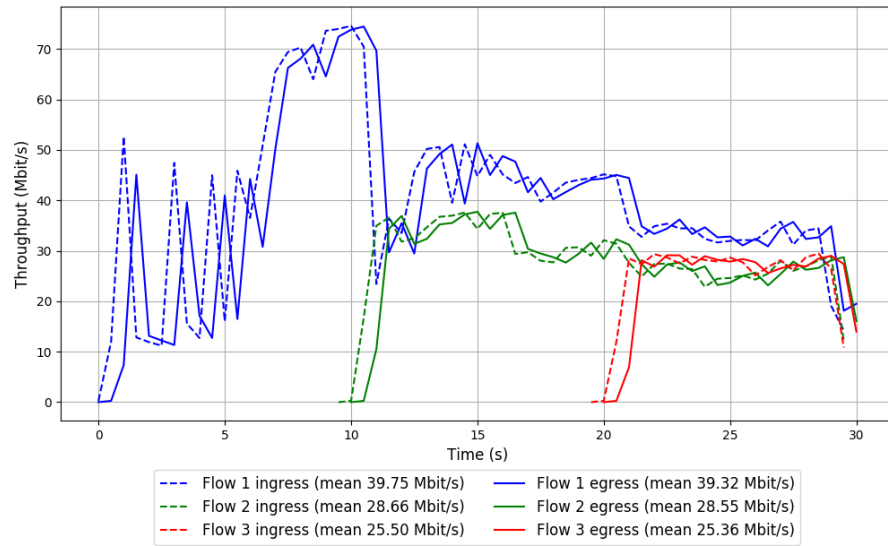
-- Flow 3:

Average throughput: 25.36 Mbit/s

95th percentile per-packet one-way delay: 71.101 ms

Loss rate: 0.56%

Run 3: Report of QUIC Cubic — Data Link

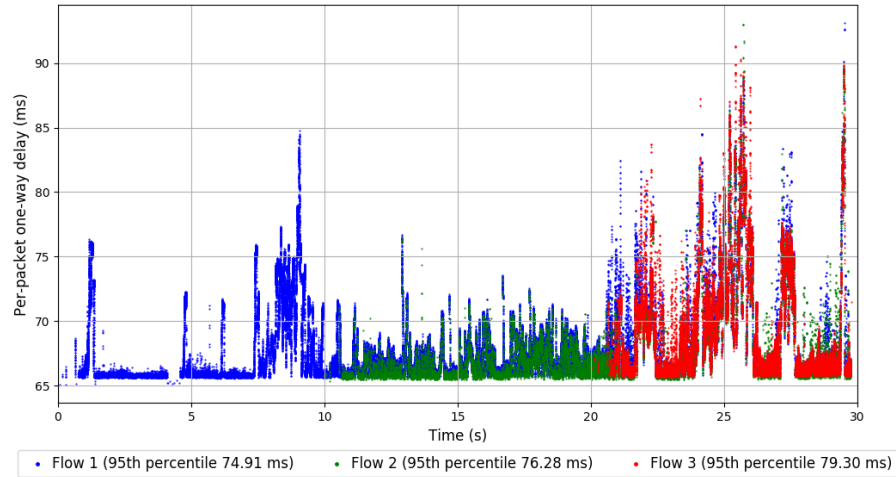
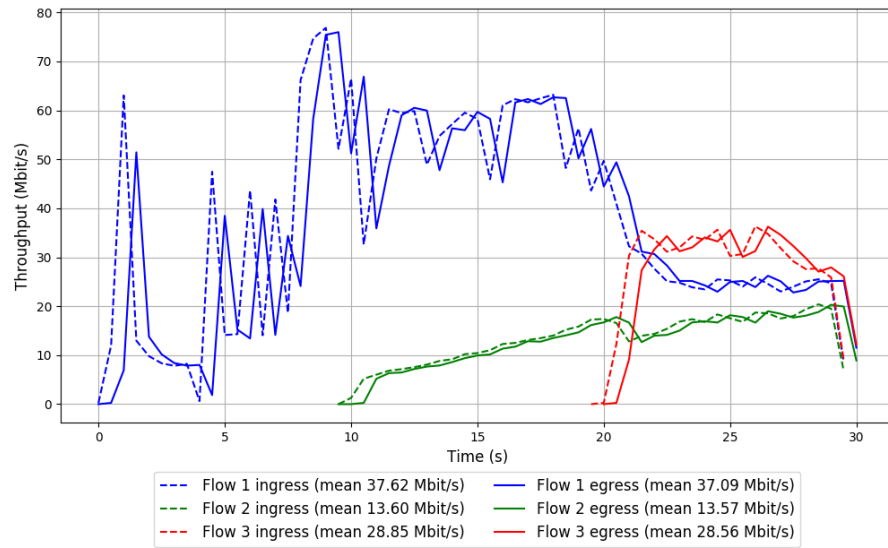


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-22 04:30:22
End at: 2018-05-22 04:30:52
Local clock offset: -0.901 ms
Remote clock offset: -2.481 ms

Below is generated by plot.py at 2018-05-22 07:09:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 55.49 Mbit/s
95th percentile per-packet one-way delay: 75.815 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 37.09 Mbit/s
95th percentile per-packet one-way delay: 74.910 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 13.57 Mbit/s
95th percentile per-packet one-way delay: 76.281 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 79.304 ms
Loss rate: 0.97%

Run 4: Report of QUIC Cubic — Data Link

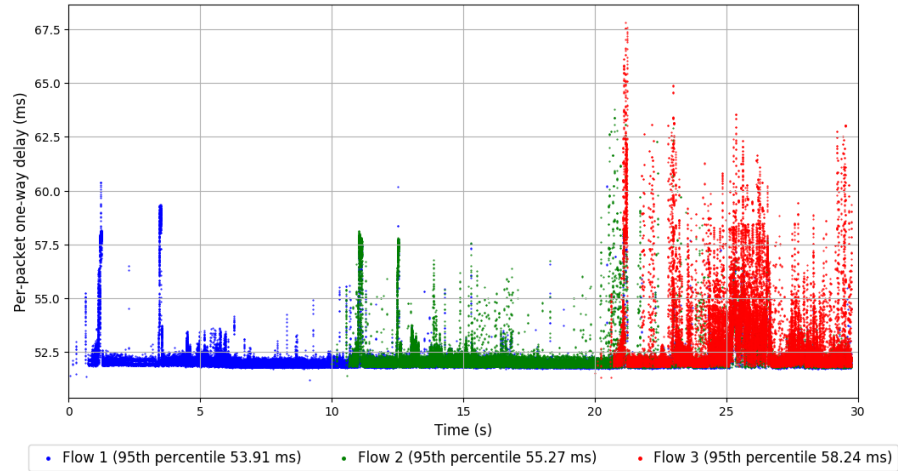
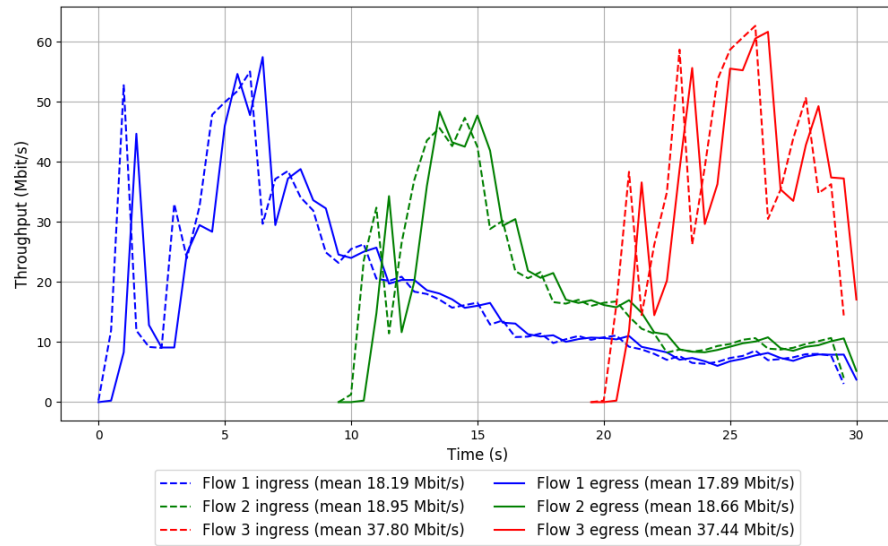


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-22 04:51:49
End at: 2018-05-22 04:52:19
Local clock offset: -0.738 ms
Remote clock offset: -13.679 ms

Below is generated by plot.py at 2018-05-22 07:09:41
Datalink statistics
-- Total of 3 flows:
Average throughput: 42.60 Mbit/s
95th percentile per-packet one-way delay: 56.729 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 17.89 Mbit/s
95th percentile per-packet one-way delay: 53.906 ms
Loss rate: 1.65%
-- Flow 2:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 55.273 ms
Loss rate: 1.53%
-- Flow 3:
Average throughput: 37.44 Mbit/s
95th percentile per-packet one-way delay: 58.240 ms
Loss rate: 0.94%

Run 5: Report of QUIC Cubic — Data Link

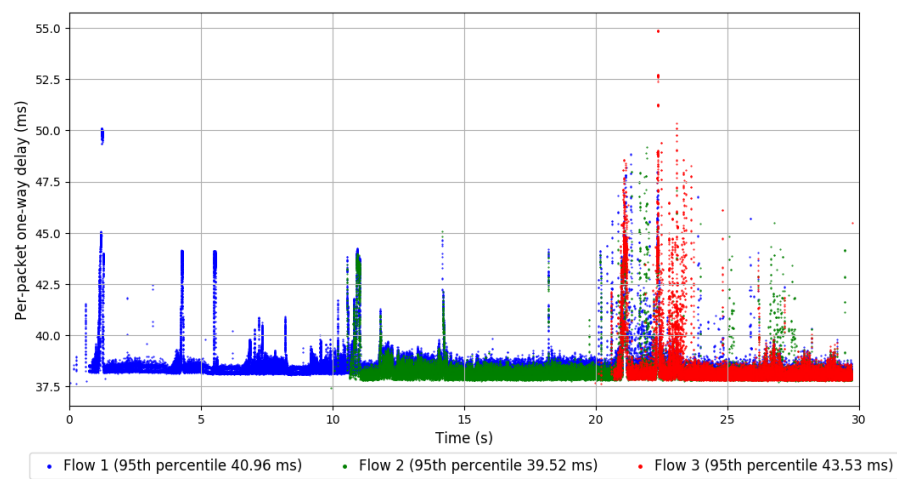
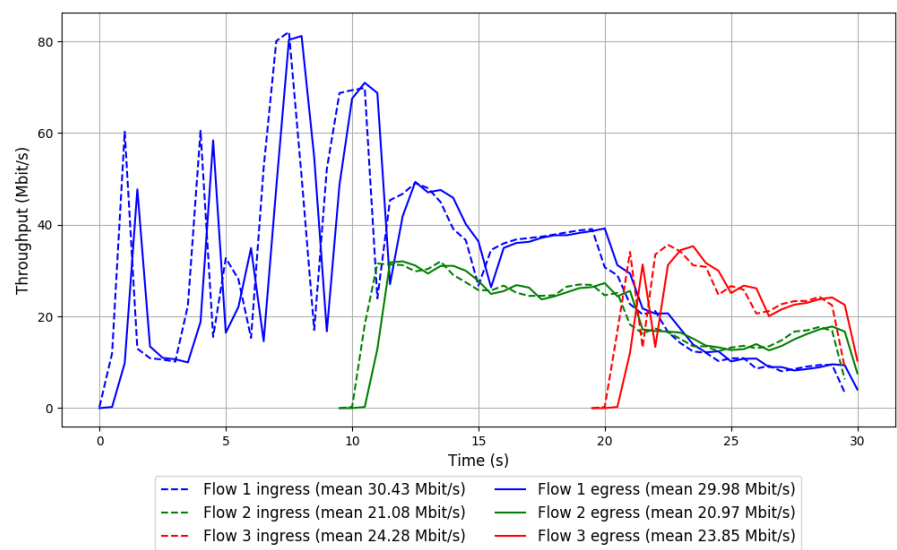


Run 6: Statistics of QUIC Cubic

Start at: 2018-05-22 05:13:49
End at: 2018-05-22 05:14:19
Local clock offset: -0.492 ms
Remote clock offset: -25.832 ms

Below is generated by plot.py at 2018-05-22 07:09:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 51.77 Mbit/s
95th percentile per-packet one-way delay: 40.994 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 40.961 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 20.97 Mbit/s
95th percentile per-packet one-way delay: 39.522 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 43.528 ms
Loss rate: 1.69%

Run 6: Report of QUIC Cubic — Data Link

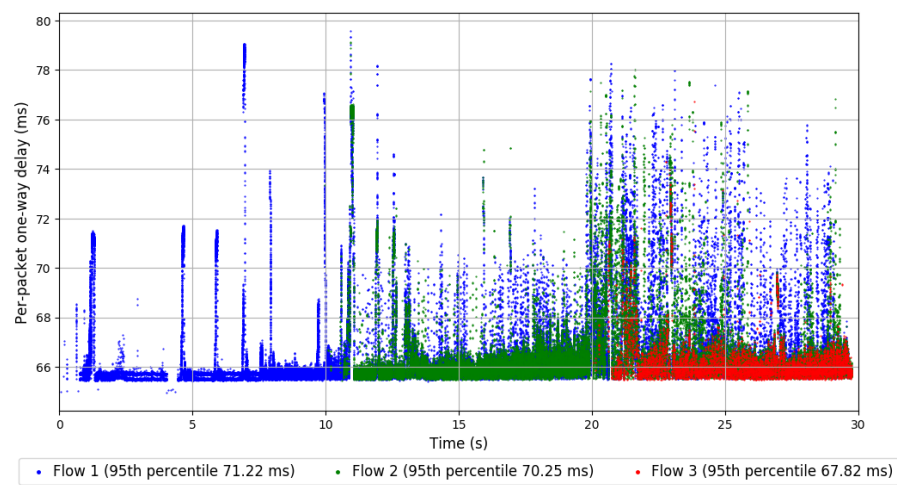
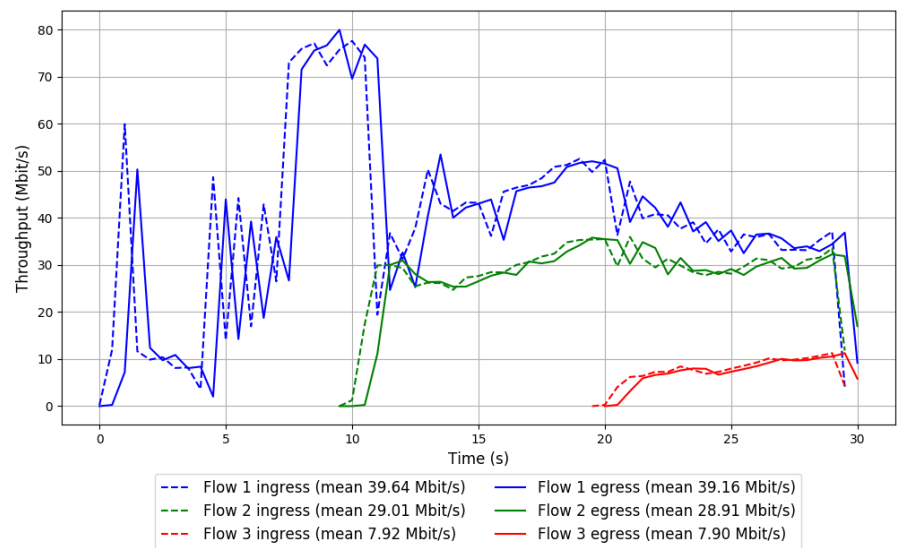


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-22 05:35:17
End at: 2018-05-22 05:35:47
Local clock offset: 1.459 ms
Remote clock offset: -0.709 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 60.85 Mbit/s
95th percentile per-packet one-way delay: 71.057 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 71.224 ms
Loss rate: 1.20%
-- Flow 2:
Average throughput: 28.91 Mbit/s
95th percentile per-packet one-way delay: 70.246 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 67.822 ms
Loss rate: 0.25%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-05-22 05:56:41

End at: 2018-05-22 05:57:11

Local clock offset: 3.06 ms

Remote clock offset: 0.703 ms

Below is generated by plot.py at 2018-05-22 07:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.40 Mbit/s

95th percentile per-packet one-way delay: 69.595 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 67.410 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 66.475 ms

Loss rate: 0.40%

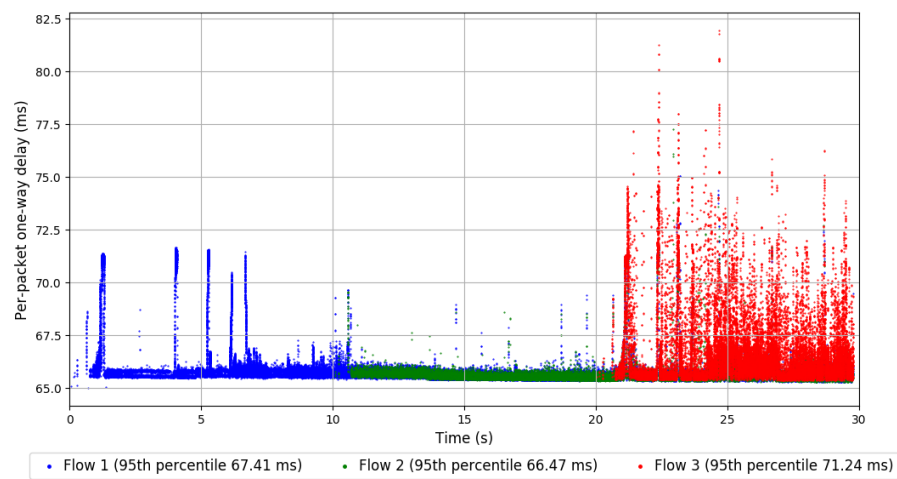
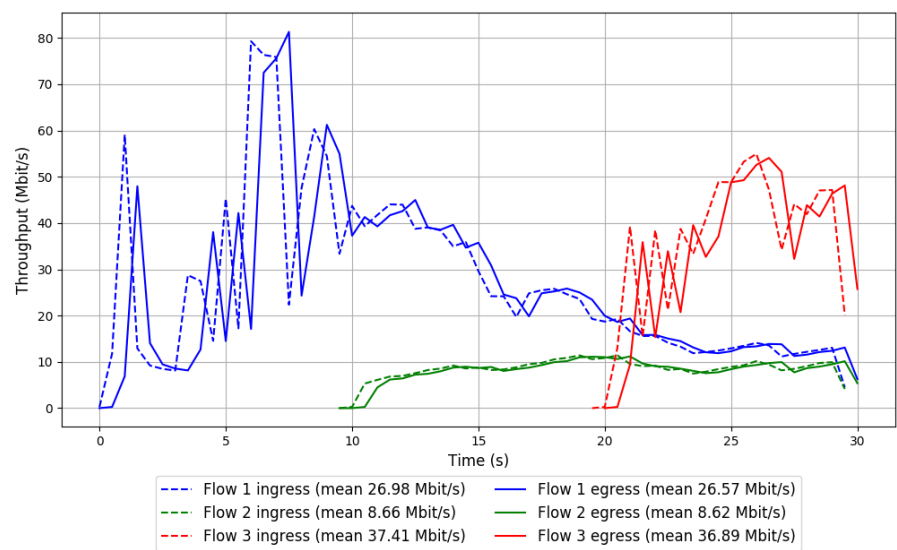
-- Flow 3:

Average throughput: 36.89 Mbit/s

95th percentile per-packet one-way delay: 71.244 ms

Loss rate: 1.37%

Run 8: Report of QUIC Cubic — Data Link

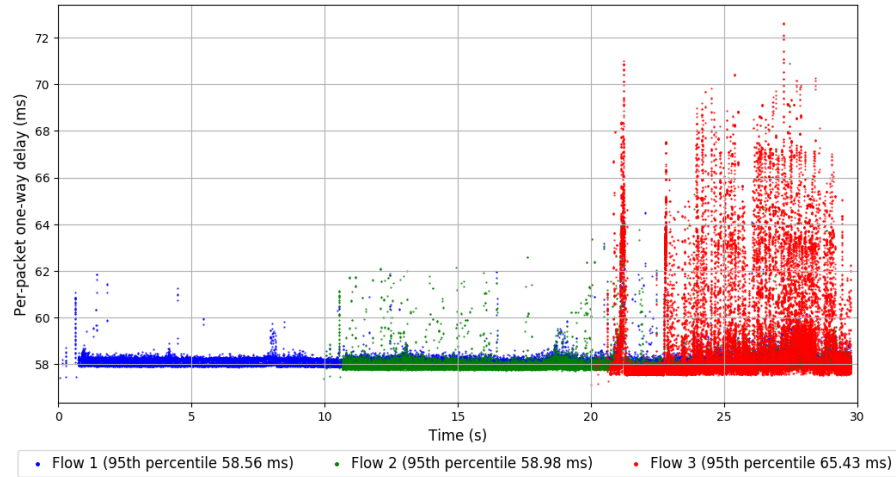
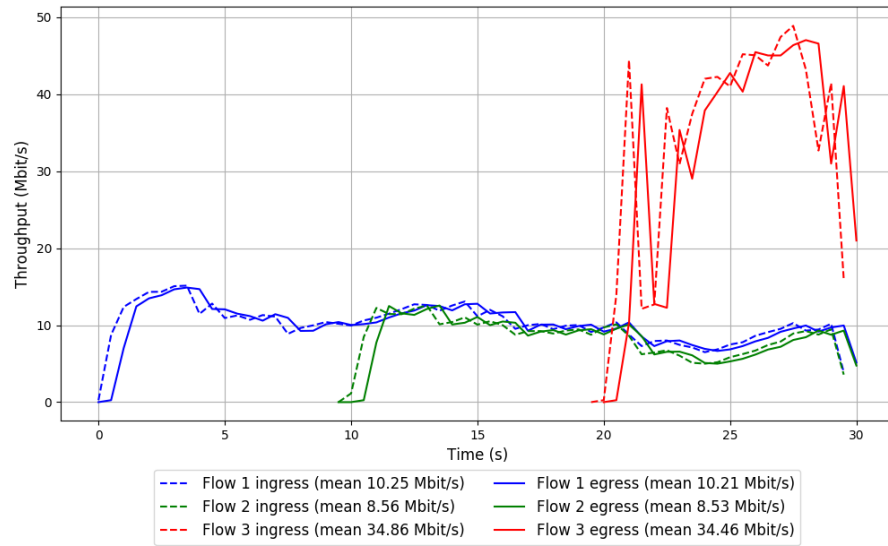


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-22 06:18:07
End at: 2018-05-22 06:18:37
Local clock offset: -0.393 ms
Remote clock offset: -5.929 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 27.19 Mbit/s
95th percentile per-packet one-way delay: 63.477 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 58.557 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 58.975 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 65.431 ms
Loss rate: 1.15%

Run 9: Report of QUIC Cubic — Data Link

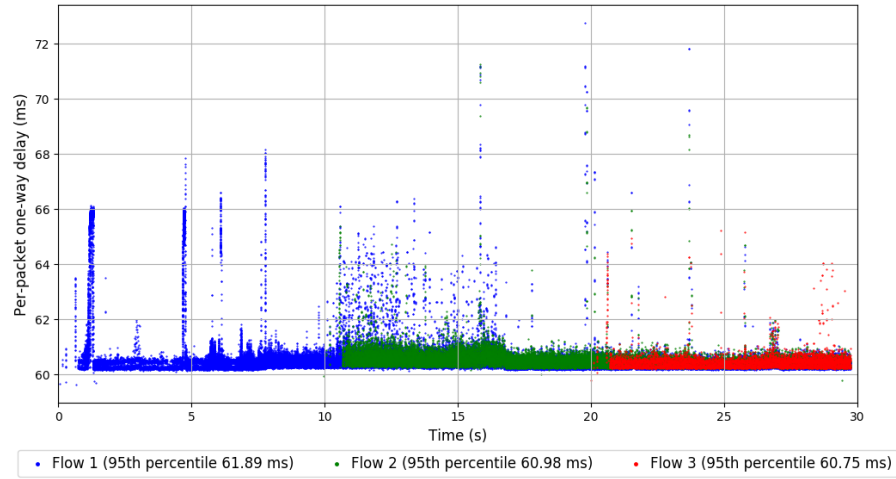
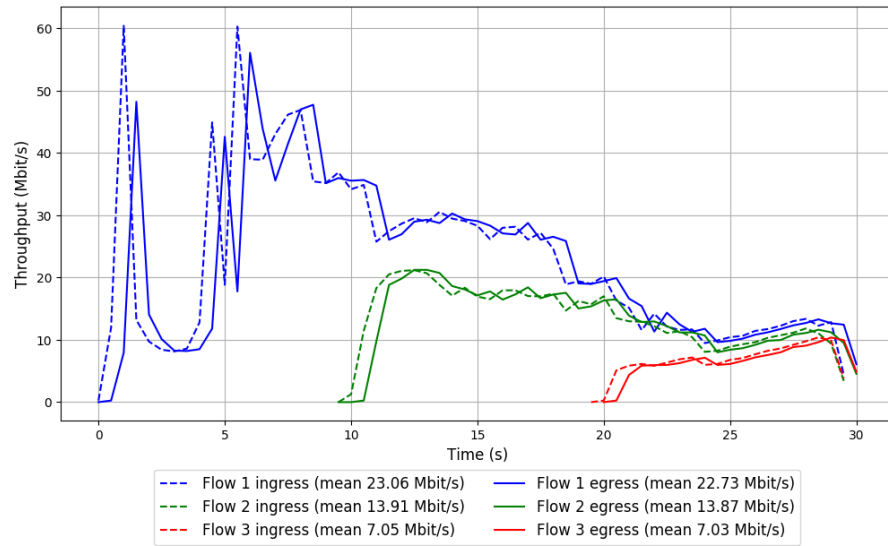


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-22 06:43:42
End at: 2018-05-22 06:44:12
Local clock offset: 2.513 ms
Remote clock offset: -2.182 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.28 Mbit/s
95th percentile per-packet one-way delay: 61.198 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 61.891 ms
Loss rate: 1.41%
-- Flow 2:
Average throughput: 13.87 Mbit/s
95th percentile per-packet one-way delay: 60.980 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 60.747 ms
Loss rate: 0.26%

Run 10: Report of QUIC Cubic — Data Link

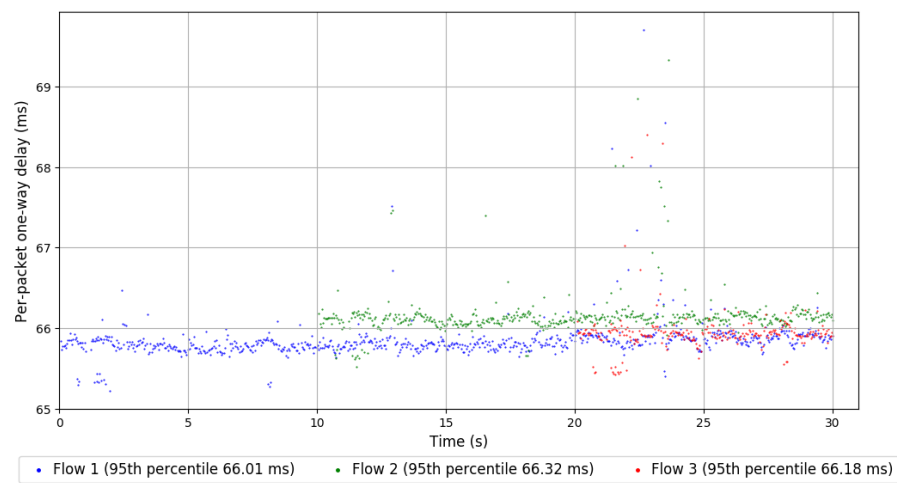
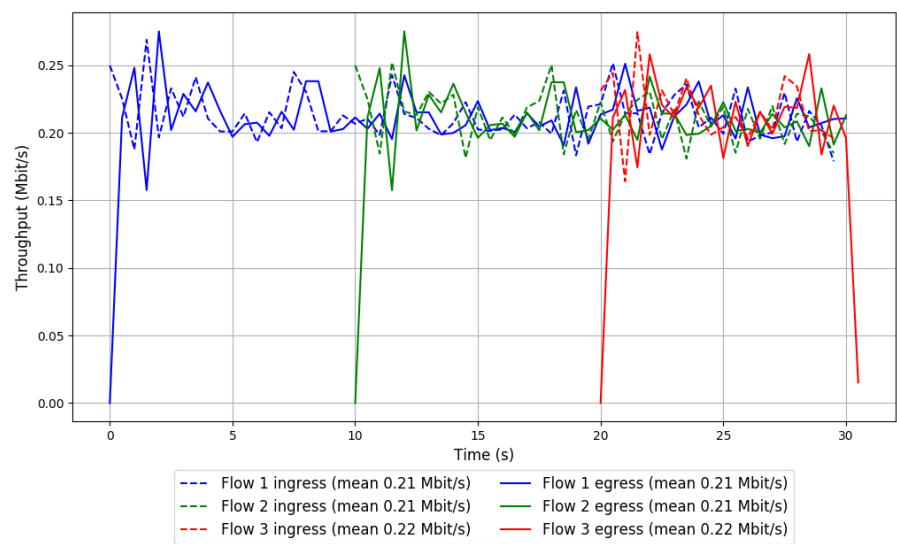


```
Run 1: Statistics of SCReAM

Start at: 2018-05-22 03:31:12
End at: 2018-05-22 03:31:42
Local clock offset: 1.167 ms
Remote clock offset: 0.892 ms

# Below is generated by plot.py at 2018-05-22 07:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.014 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.324 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.177 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

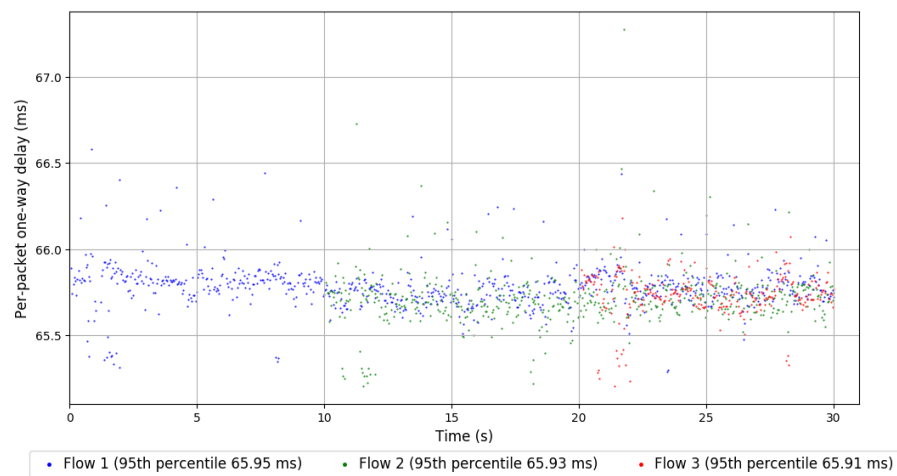
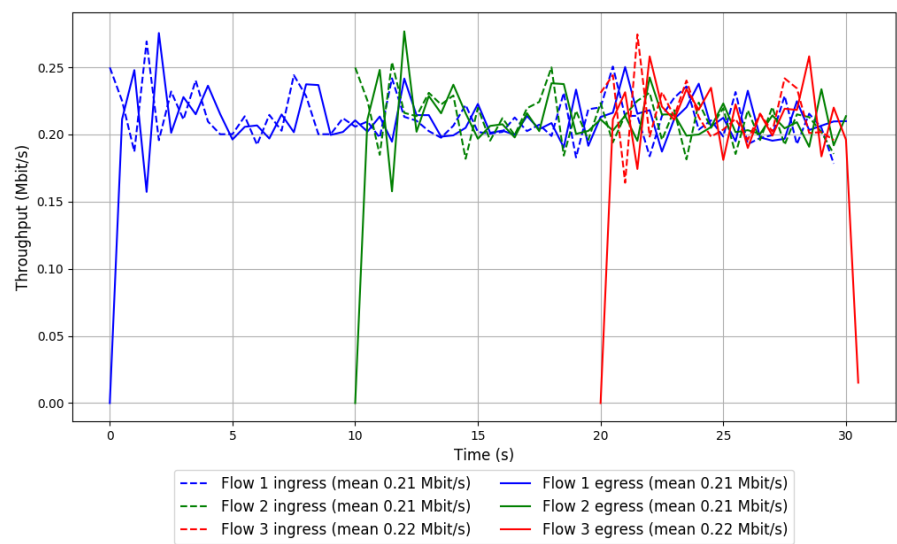


Run 2: Statistics of SReAM

Start at: 2018-05-22 03:52:44
End at: 2018-05-22 03:53:14
Local clock offset: 4.414 ms
Remote clock offset: -0.098 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 65.933 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 65.913 ms
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

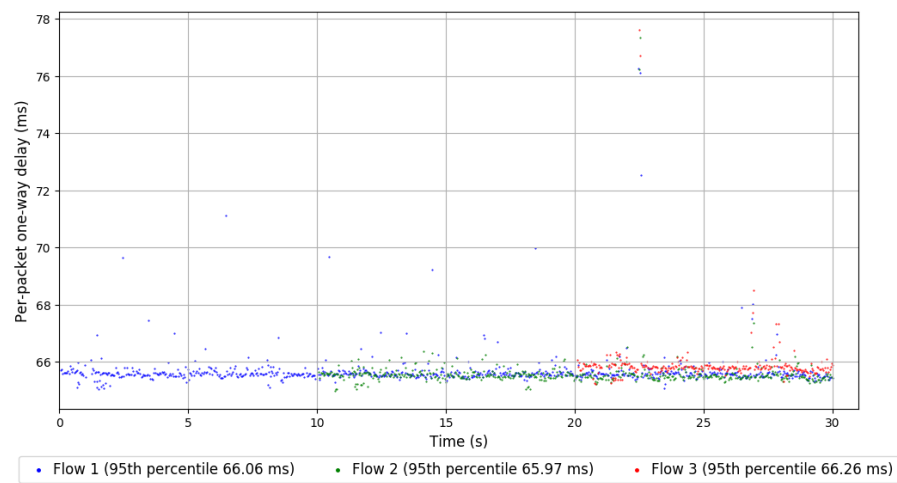
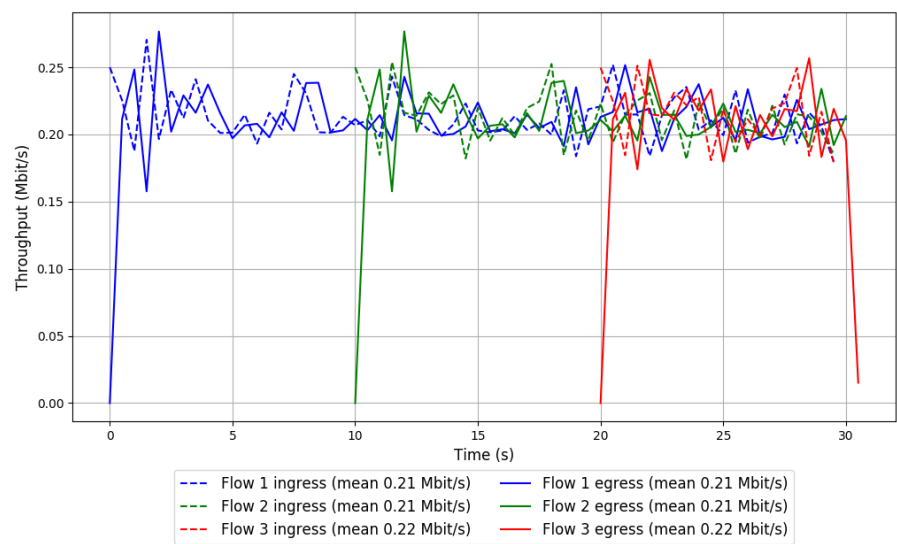


Run 3: Statistics of SReAM

Start at: 2018-05-22 04:14:13
End at: 2018-05-22 04:14:43
Local clock offset: -0.396 ms
Remote clock offset: -1.458 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 66.078 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.059 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 65.973 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.261 ms
Loss rate: 0.00%

Run 3: Report of SCReAM — Data Link

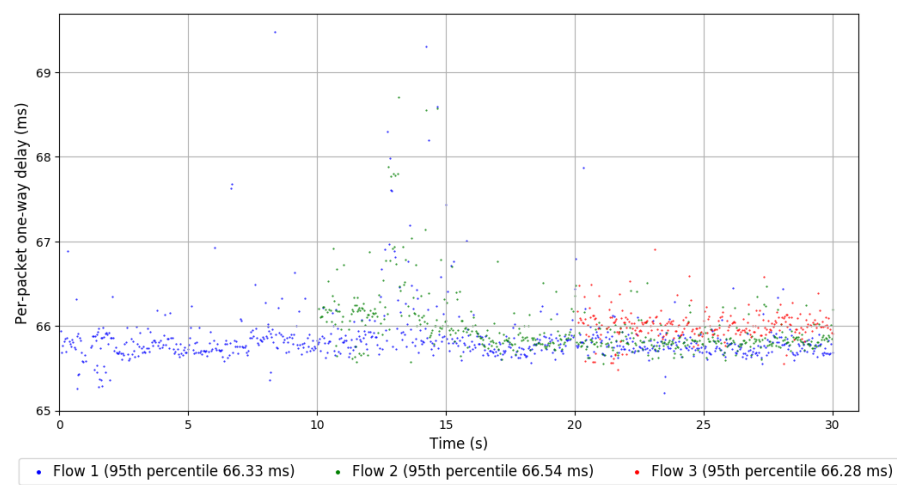
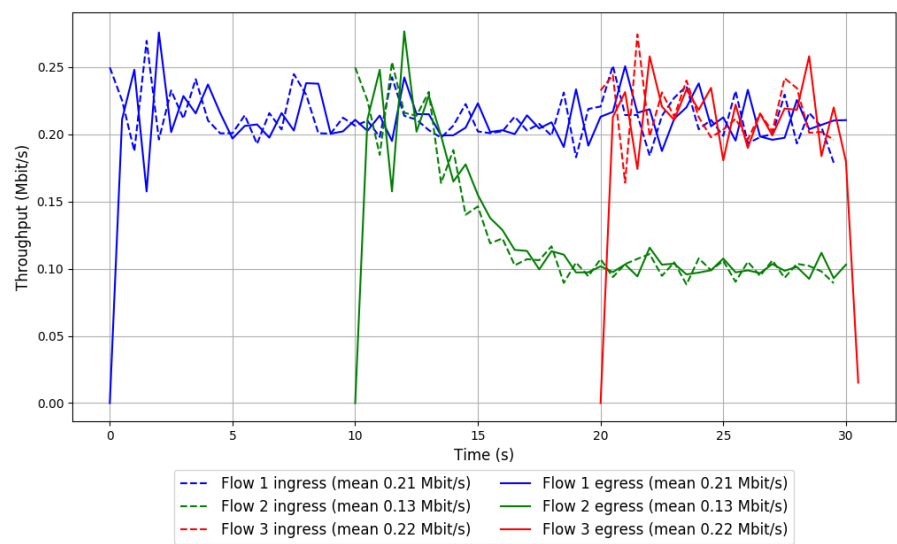


Run 4: Statistics of SReAM

Start at: 2018-05-22 04:35:39
End at: 2018-05-22 04:36:09
Local clock offset: -0.92 ms
Remote clock offset: -2.561 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 66.413 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.331 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 66.544 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.278 ms
Loss rate: 0.38%

Run 4: Report of SCSReAM — Data Link

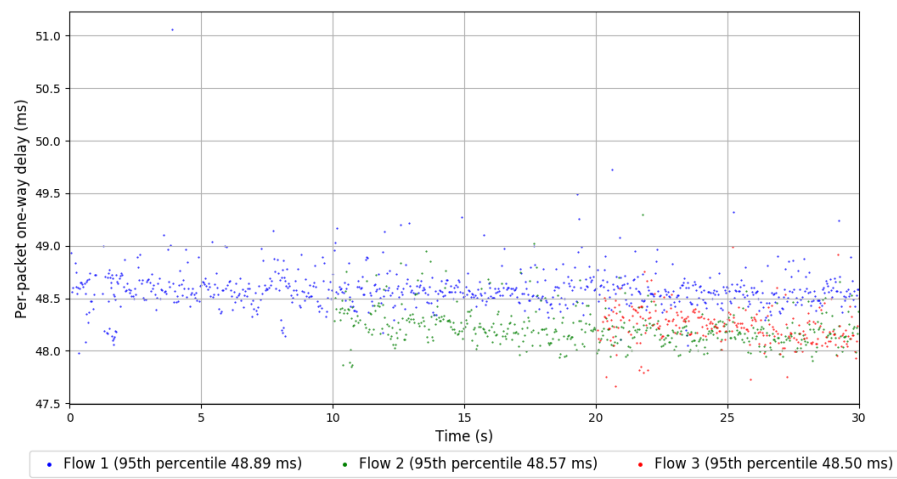
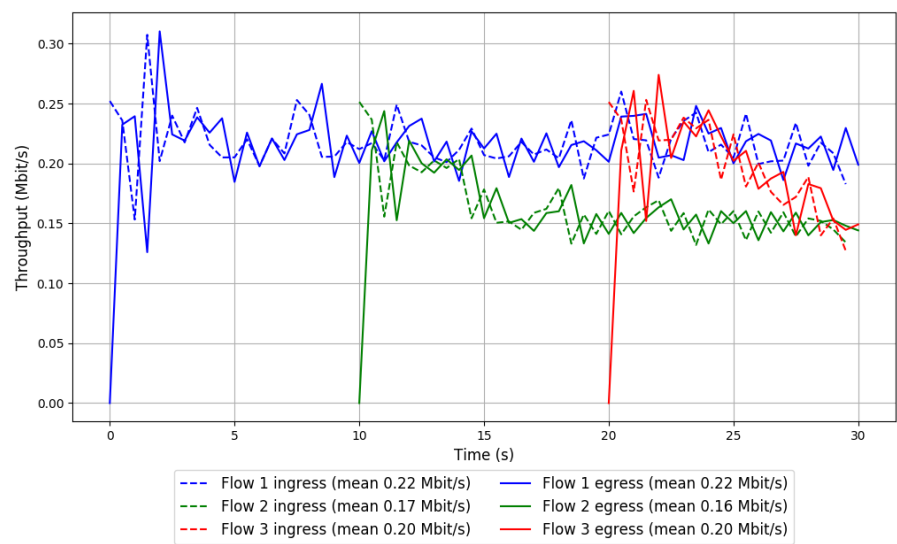


Run 5: Statistics of SReAM

Start at: 2018-05-22 04:57:15
End at: 2018-05-22 04:57:45
Local clock offset: -0.794 ms
Remote clock offset: -16.685 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 48.792 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.892 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 48.568 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 48.499 ms
Loss rate: 0.74%

Run 5: Report of SCRaM — Data Link

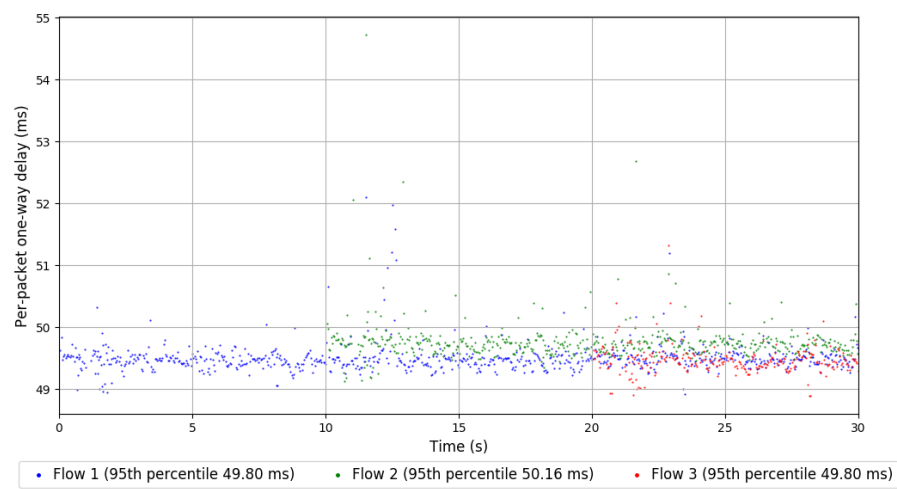
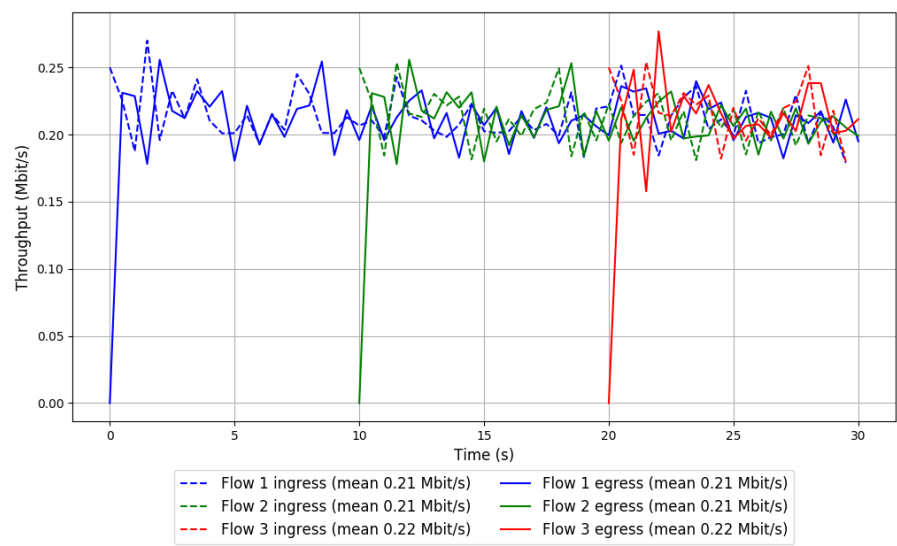


Run 6: Statistics of SReAM

Start at: 2018-05-22 05:19:06
End at: 2018-05-22 05:19:36
Local clock offset: -0.383 ms
Remote clock offset: -15.141 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 49.943 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 49.805 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 50.161 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.803 ms
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

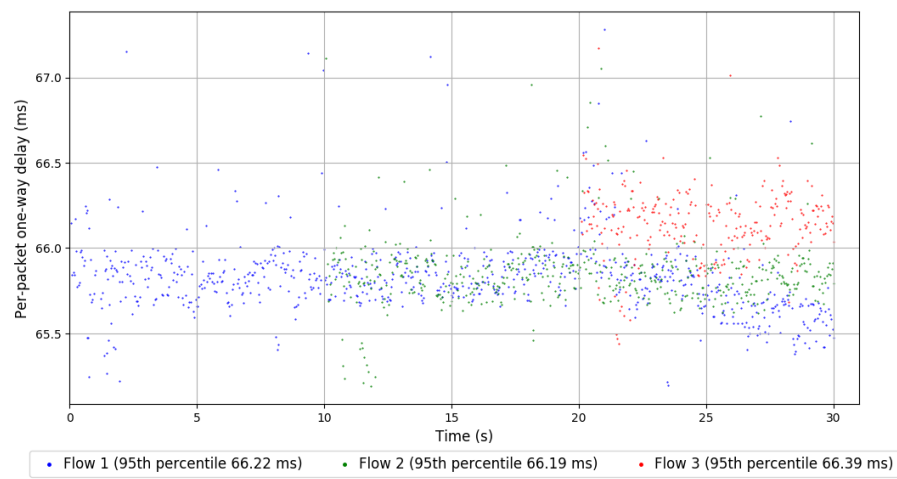
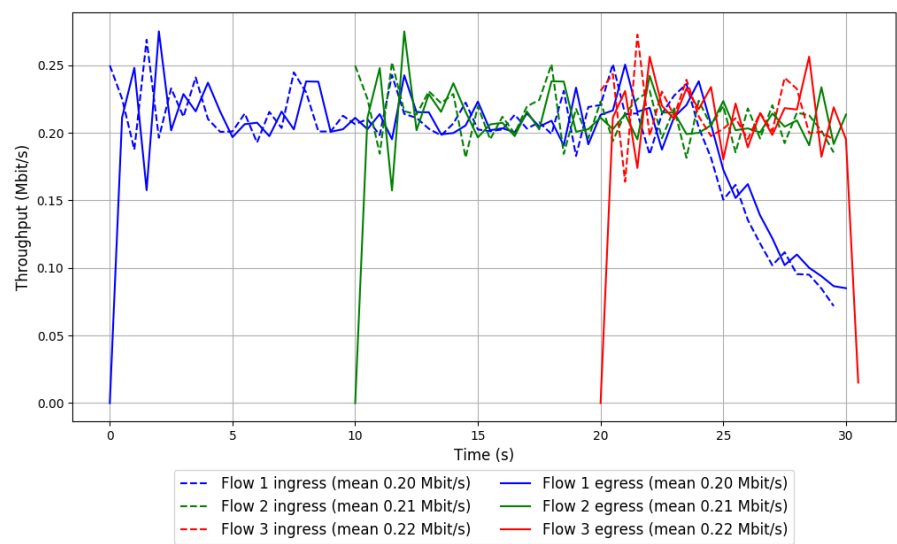


Run 7: Statistics of SCReAM

Start at: 2018-05-22 05:40:34
End at: 2018-05-22 05:41:04
Local clock offset: 1.981 ms
Remote clock offset: -0.316 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 66.320 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.219 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 66.194 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.395 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

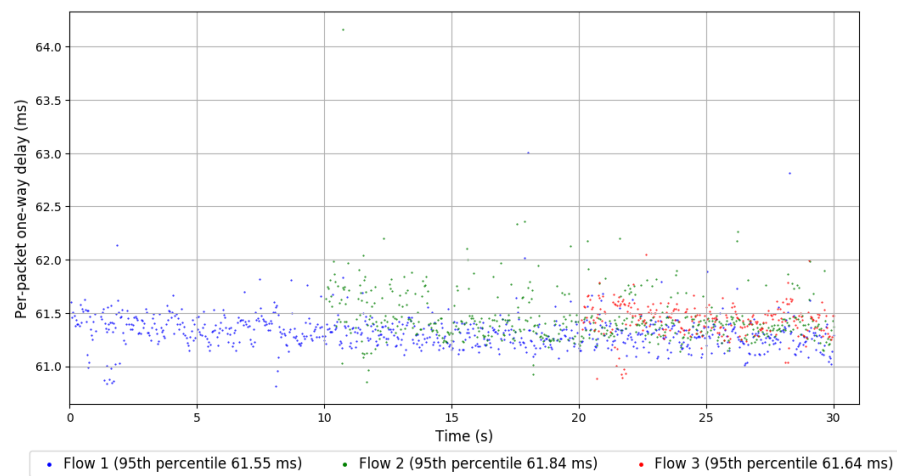
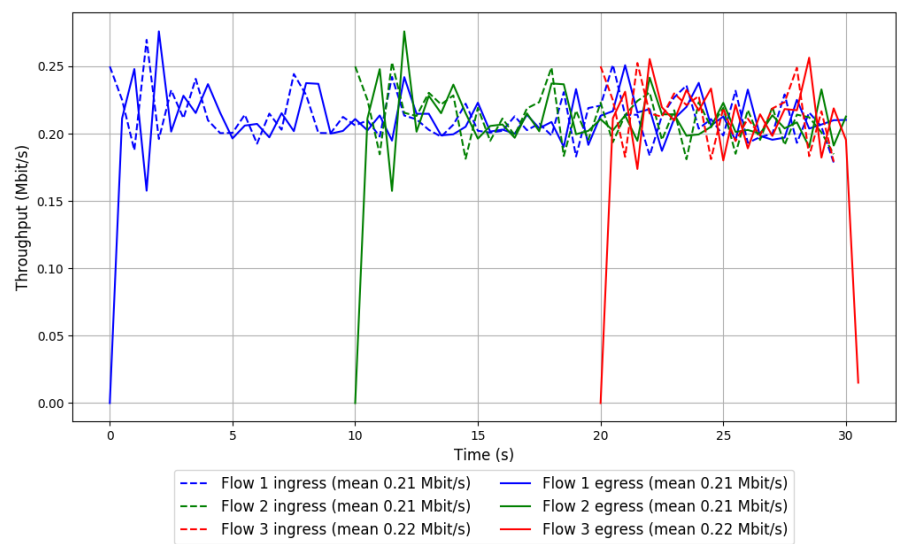


Run 8: Statistics of SReAM

Start at: 2018-05-22 06:01:57
End at: 2018-05-22 06:02:27
Local clock offset: 1.602 ms
Remote clock offset: -2.827 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 61.733 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 61.548 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 61.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 61.644 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-05-22 06:23:23

End at: 2018-05-22 06:23:53

Local clock offset: -0.577 ms

Remote clock offset: -8.74 ms

Below is generated by plot.py at 2018-05-22 07:10:29

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 54.735 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 54.763 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 54.591 ms

Loss rate: 1.63%

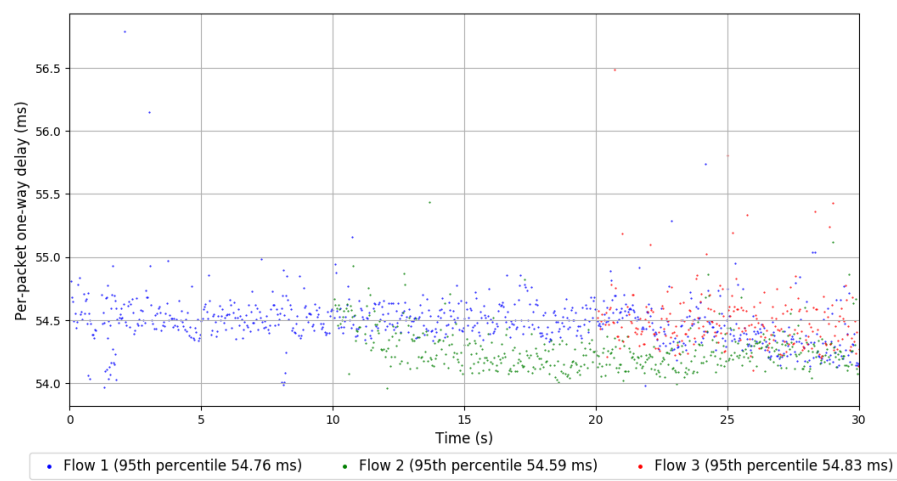
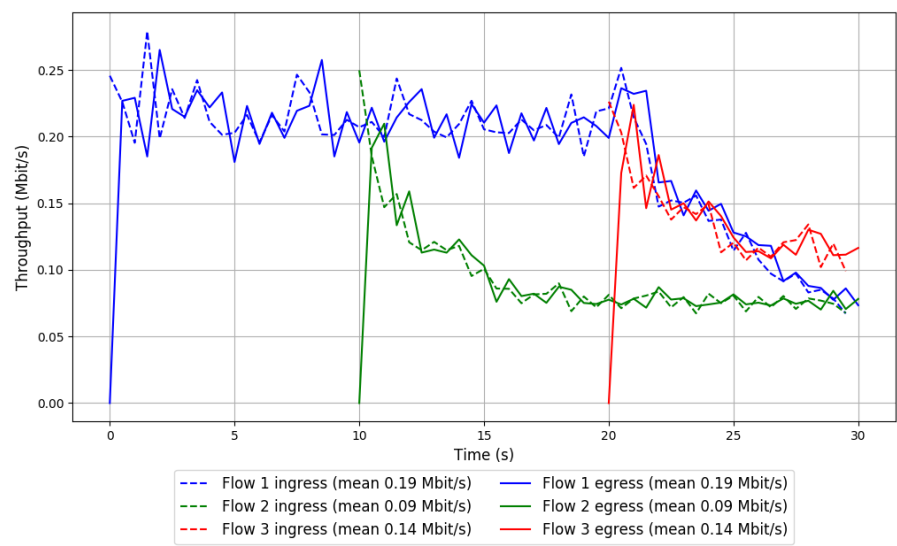
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 54.828 ms

Loss rate: 0.67%

Run 9: Report of SReAM — Data Link

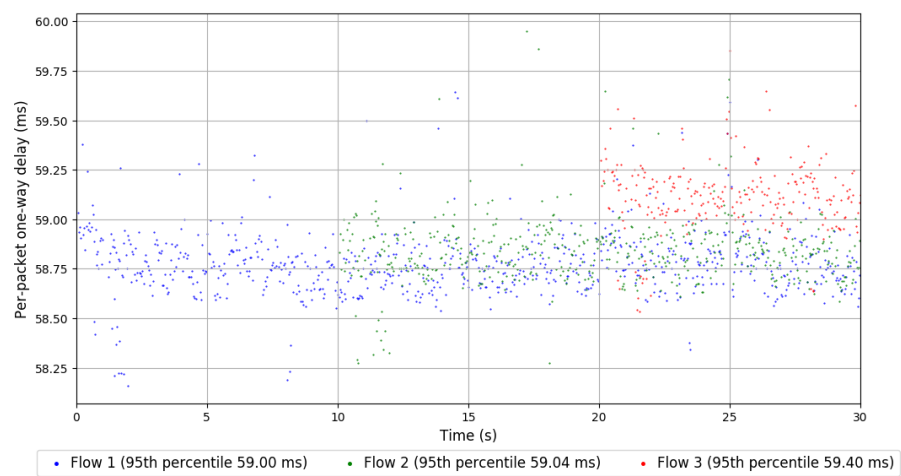
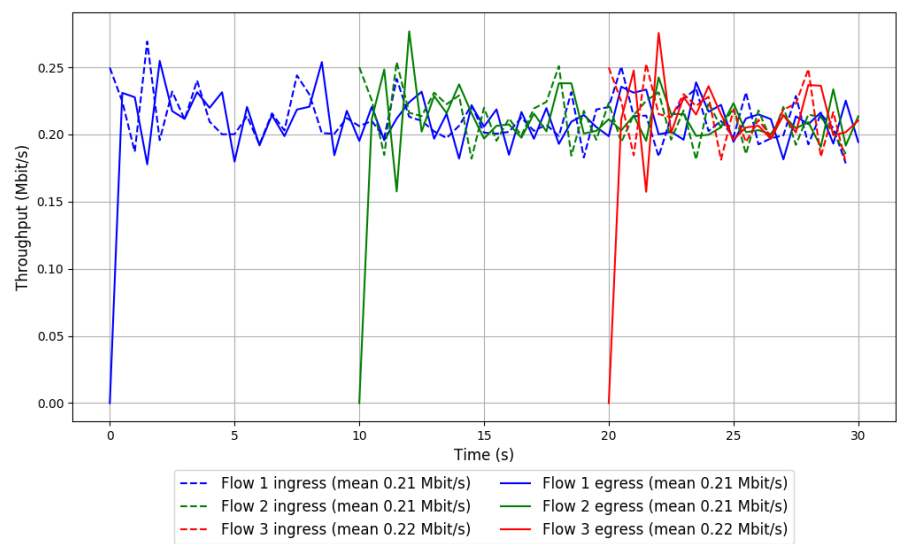


Run 10: Statistics of SReAM

Start at: 2018-05-22 06:48:58
End at: 2018-05-22 06:49:28
Local clock offset: 2.584 ms
Remote clock offset: -3.358 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 59.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 58.998 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 59.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.404 ms
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

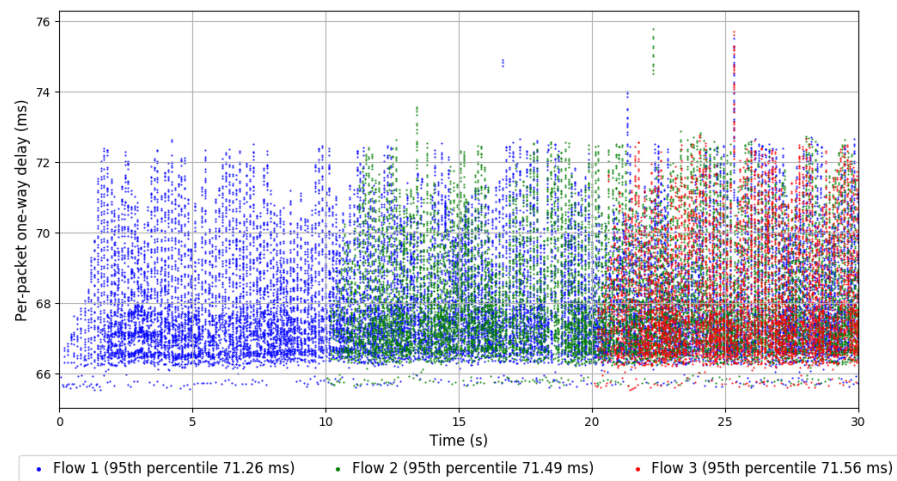
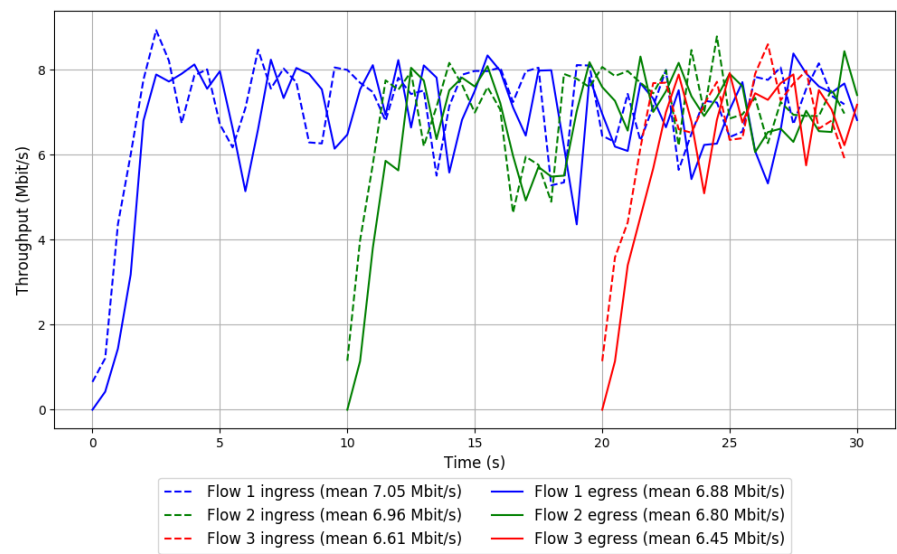


Run 1: Statistics of Sprout

Start at: 2018-05-22 03:28:34
End at: 2018-05-22 03:29:04
Local clock offset: -0.115 ms
Remote clock offset: 0.971 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.53 Mbit/s
95th percentile per-packet one-way delay: 71.402 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 6.88 Mbit/s
95th percentile per-packet one-way delay: 71.258 ms
Loss rate: 2.34%
-- Flow 2:
Average throughput: 6.80 Mbit/s
95th percentile per-packet one-way delay: 71.487 ms
Loss rate: 2.23%
-- Flow 3:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 71.555 ms
Loss rate: 2.42%

Run 1: Report of Sprout — Data Link

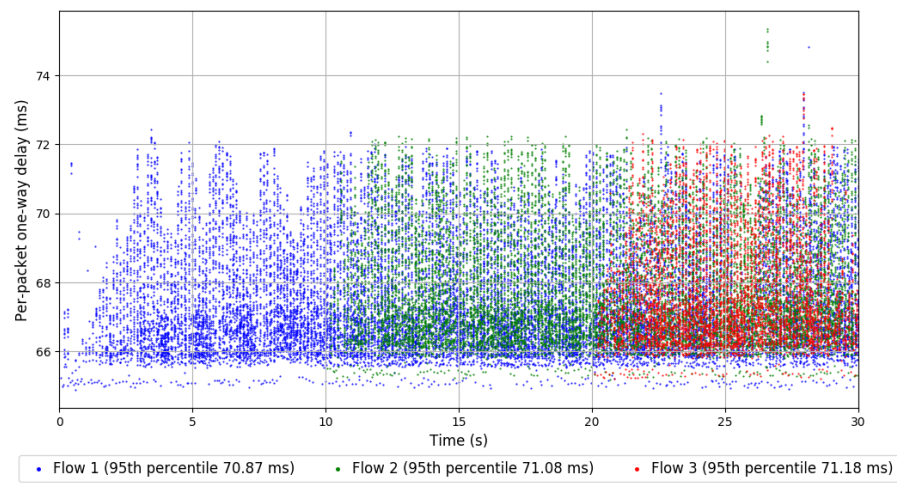
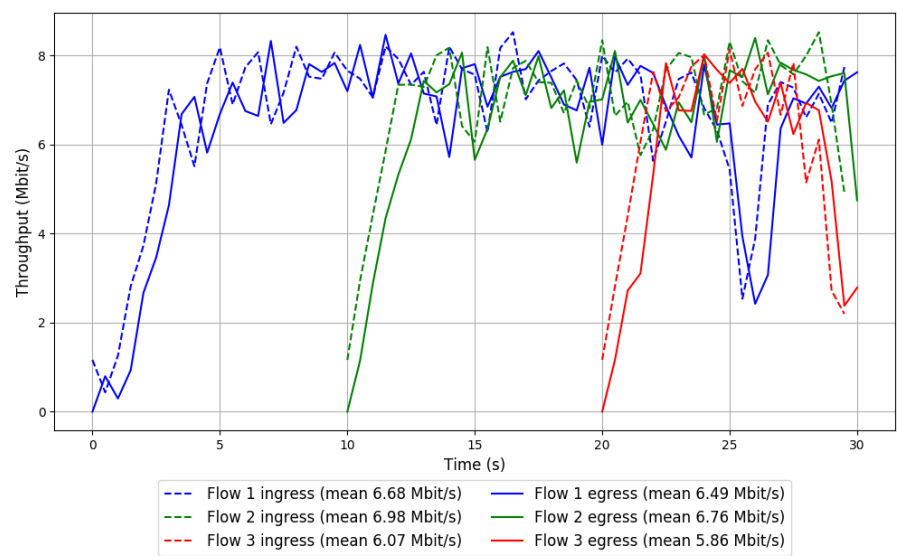


Run 2: Statistics of Sprout

Start at: 2018-05-22 03:50:05
End at: 2018-05-22 03:50:35
Local clock offset: 4.223 ms
Remote clock offset: -0.12 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.91 Mbit/s
95th percentile per-packet one-way delay: 70.994 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 70.873 ms
Loss rate: 2.84%
-- Flow 2:
Average throughput: 6.76 Mbit/s
95th percentile per-packet one-way delay: 71.082 ms
Loss rate: 3.15%
-- Flow 3:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 71.180 ms
Loss rate: 3.35%
```

Run 2: Report of Sprout — Data Link

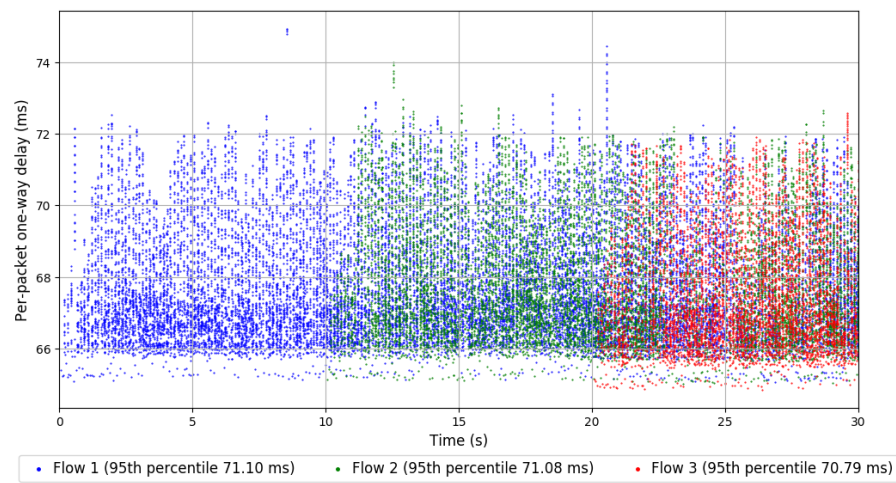
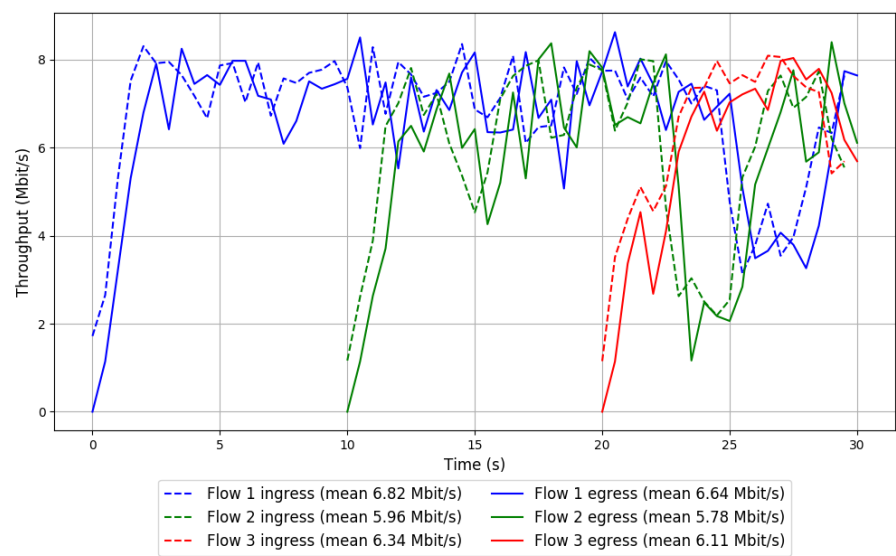


Run 3: Statistics of Sprout

Start at: 2018-05-22 04:11:35
End at: 2018-05-22 04:12:05
Local clock offset: 0.054 ms
Remote clock offset: -1.182 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 71.042 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 71.099 ms
Loss rate: 2.62%
-- Flow 2:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 71.084 ms
Loss rate: 3.10%
-- Flow 3:
Average throughput: 6.11 Mbit/s
95th percentile per-packet one-way delay: 70.790 ms
Loss rate: 3.48%
```

Run 3: Report of Sprout — Data Link

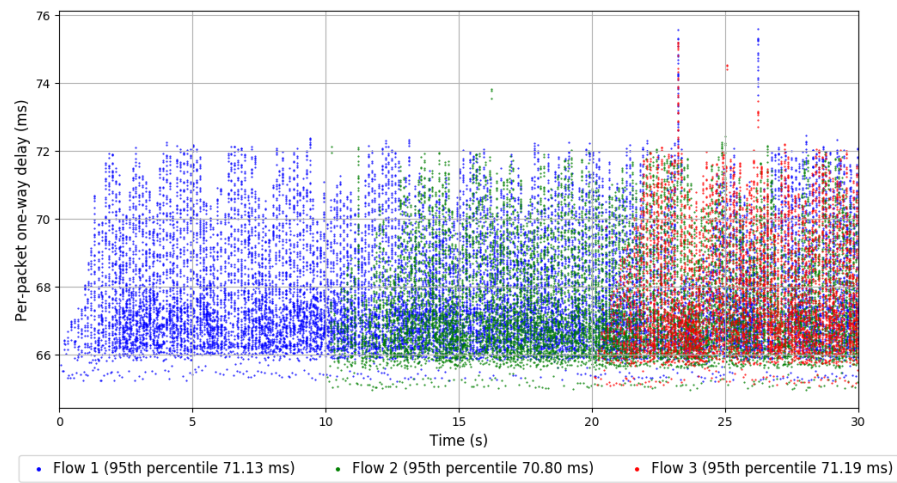
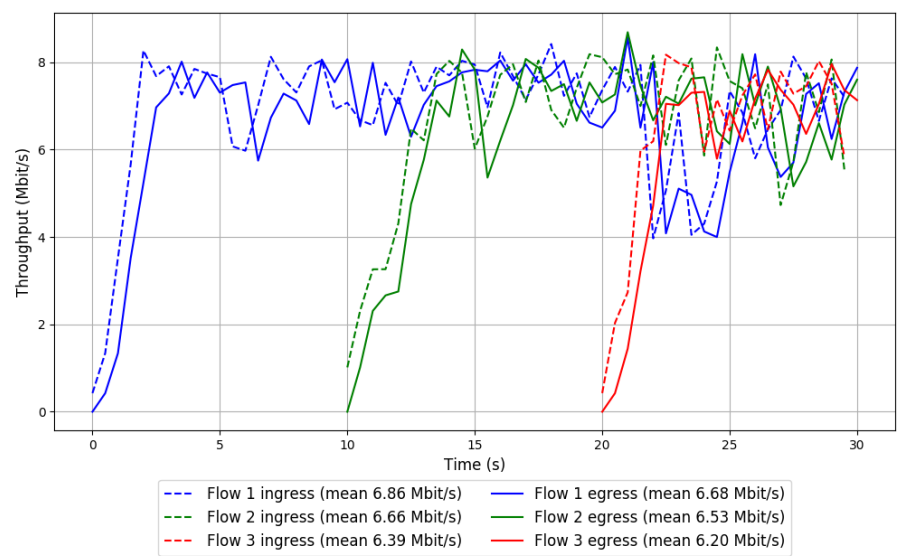


Run 4: Statistics of Sprout

Start at: 2018-05-22 04:33:02
End at: 2018-05-22 04:33:32
Local clock offset: -0.895 ms
Remote clock offset: -2.517 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 71.036 ms
Loss rate: 2.46%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 71.130 ms
Loss rate: 2.60%
-- Flow 2:
Average throughput: 6.53 Mbit/s
95th percentile per-packet one-way delay: 70.797 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 71.190 ms
Loss rate: 2.88%

Run 4: Report of Sprout — Data Link

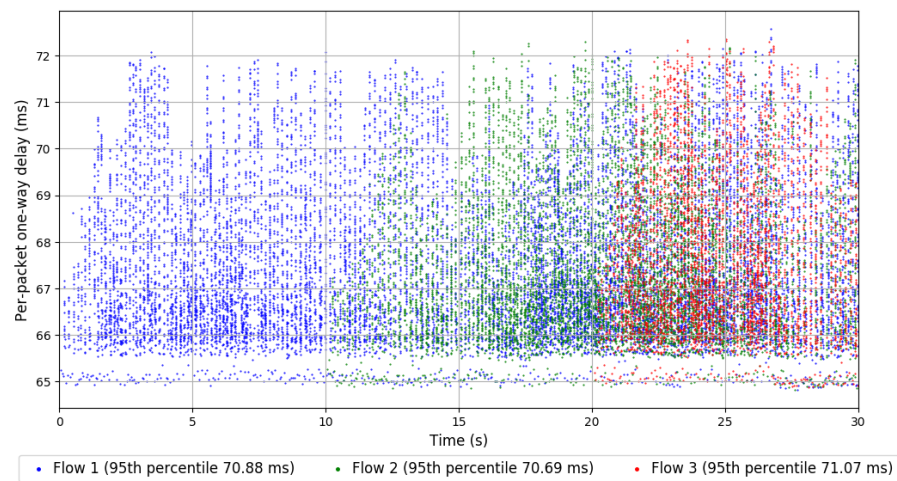
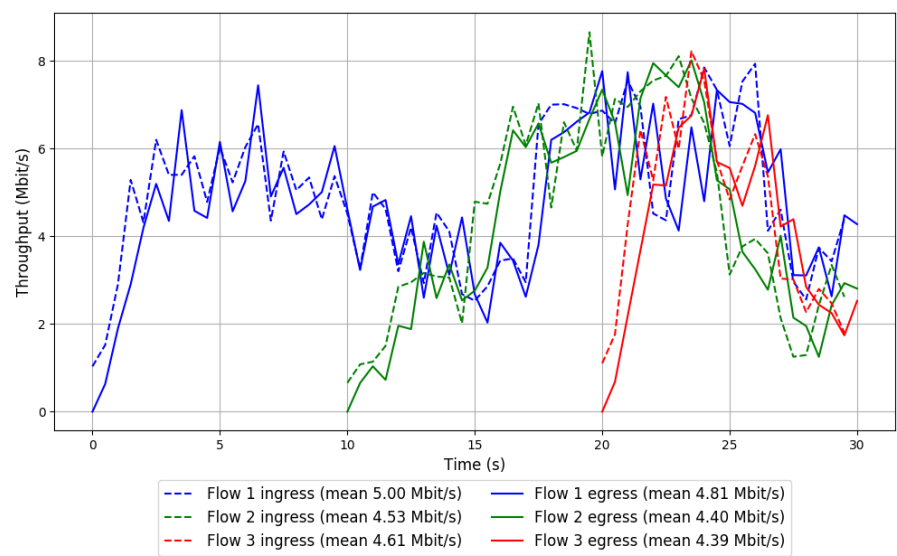


Run 5: Statistics of Sprout

Start at: 2018-05-22 04:54:28
End at: 2018-05-22 04:54:58
Local clock offset: -0.789 ms
Remote clock offset: 0.298 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 70.853 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 4.81 Mbit/s
95th percentile per-packet one-way delay: 70.875 ms
Loss rate: 3.67%
-- Flow 2:
Average throughput: 4.40 Mbit/s
95th percentile per-packet one-way delay: 70.688 ms
Loss rate: 2.98%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 71.066 ms
Loss rate: 4.81%
```


Run 5: Report of Sprout — Data Link

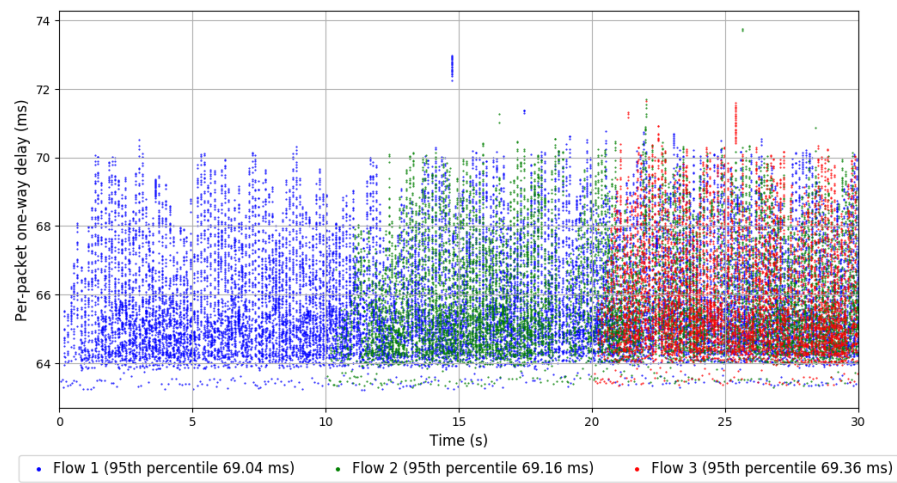
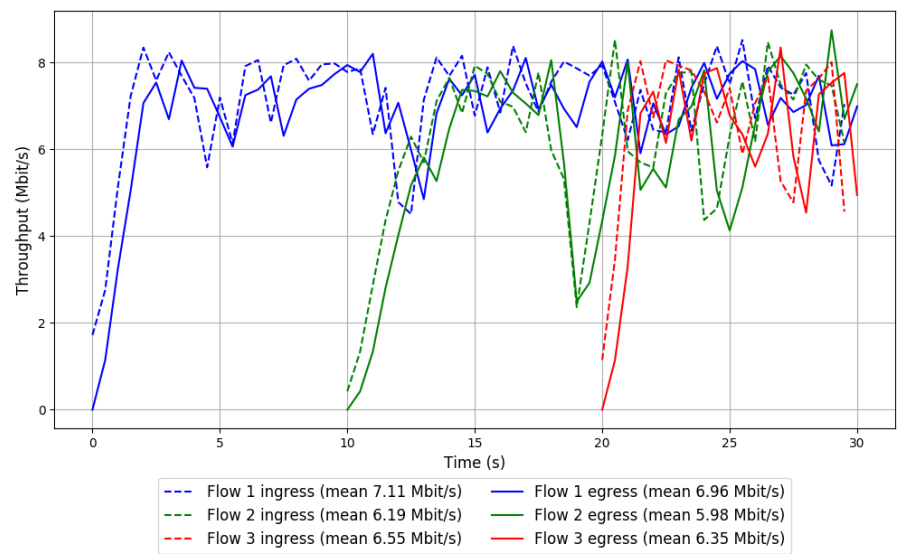


Run 6: Statistics of Sprout

Start at: 2018-05-22 05:16:28
End at: 2018-05-22 05:16:58
Local clock offset: -0.362 ms
Remote clock offset: -0.37 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 69.137 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 69.042 ms
Loss rate: 2.03%
-- Flow 2:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 69.156 ms
Loss rate: 3.38%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 69.357 ms
Loss rate: 3.03%

Run 6: Report of Sprout — Data Link

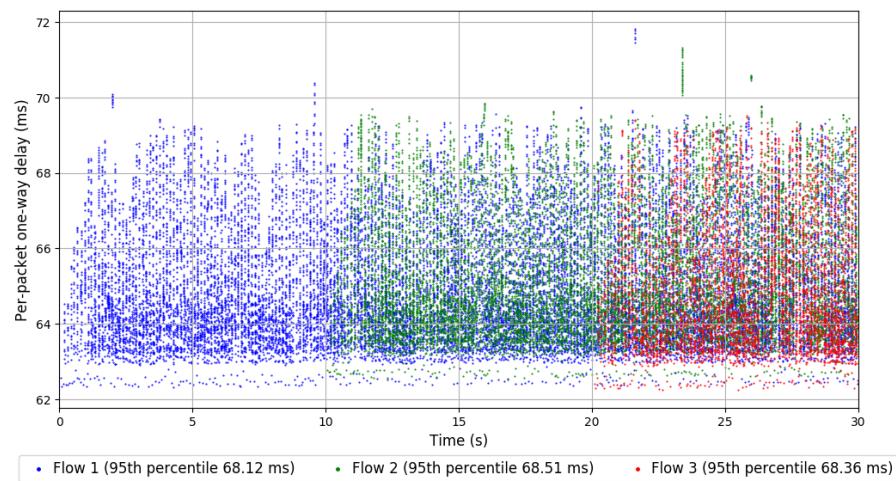
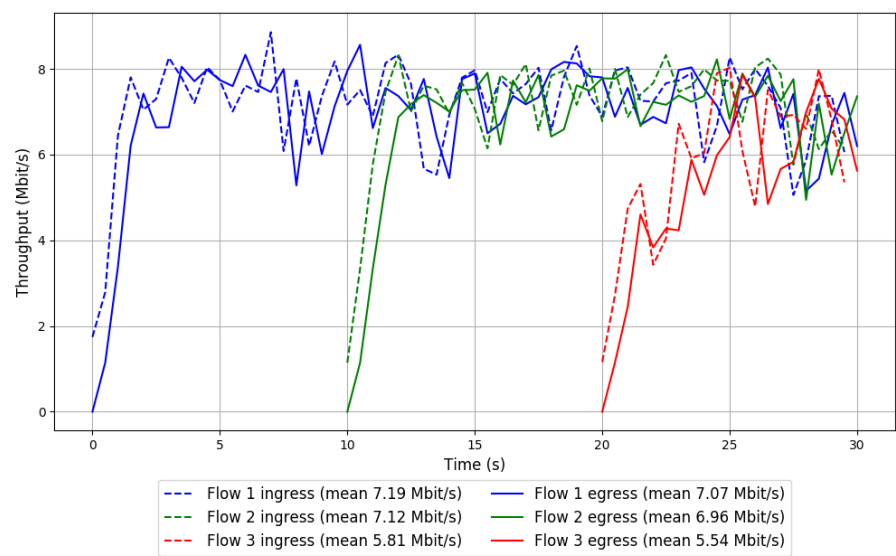


Run 7: Statistics of Sprout

Start at: 2018-05-22 05:37:56
End at: 2018-05-22 05:38:26
Local clock offset: 1.848 ms
Remote clock offset: -3.052 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.52 Mbit/s
95th percentile per-packet one-way delay: 68.303 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 68.123 ms
Loss rate: 1.64%
-- Flow 2:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 68.514 ms
Loss rate: 2.26%
-- Flow 3:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 68.361 ms
Loss rate: 4.58%

Run 7: Report of Sprout — Data Link

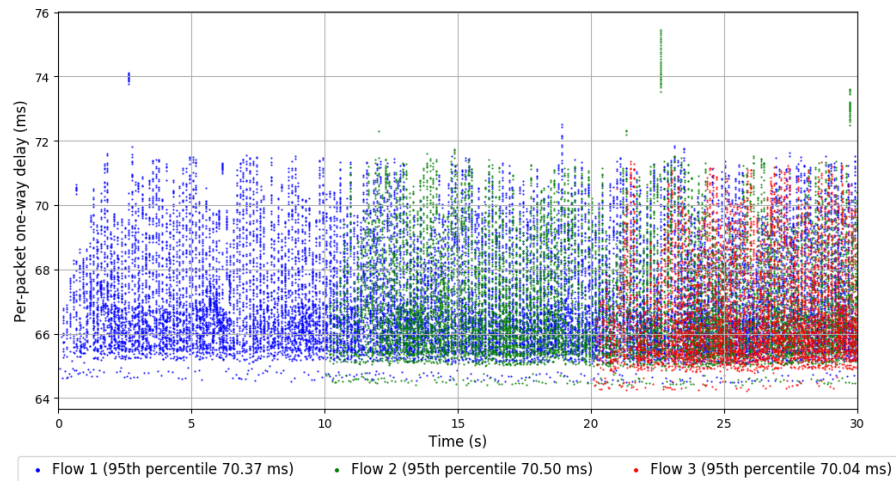
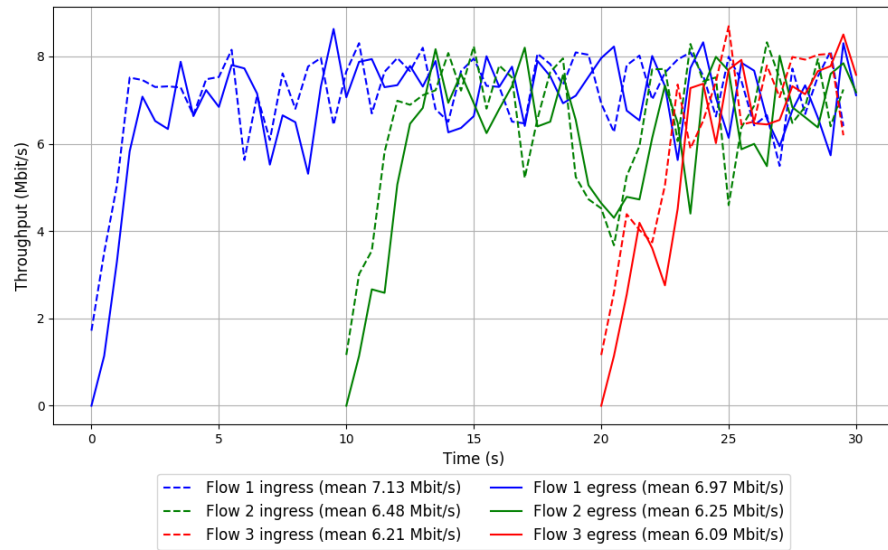


Run 8: Statistics of Sprout

Start at: 2018-05-22 05:59:20
End at: 2018-05-22 05:59:50
Local clock offset: 2.183 ms
Remote clock offset: 0.528 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.14 Mbit/s
95th percentile per-packet one-way delay: 70.375 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 70.374 ms
Loss rate: 2.22%
-- Flow 2:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 70.503 ms
Loss rate: 3.44%
-- Flow 3:
Average throughput: 6.09 Mbit/s
95th percentile per-packet one-way delay: 70.043 ms
Loss rate: 1.94%

Run 8: Report of Sprout — Data Link

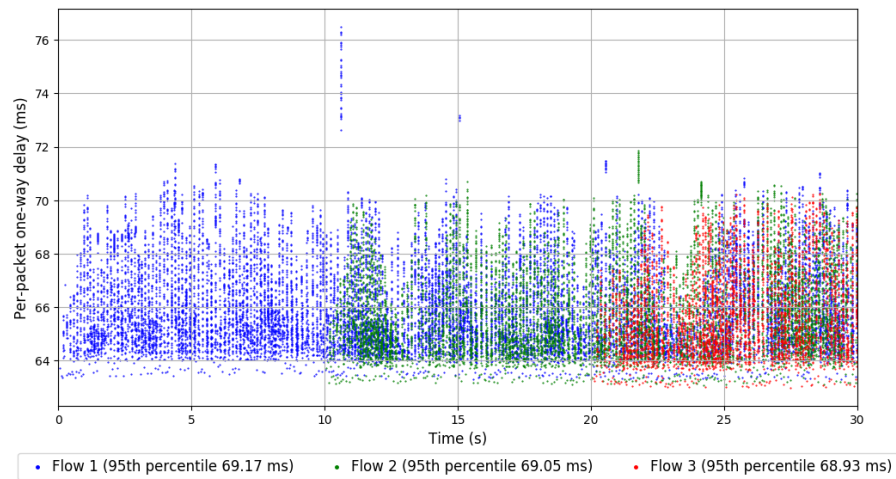
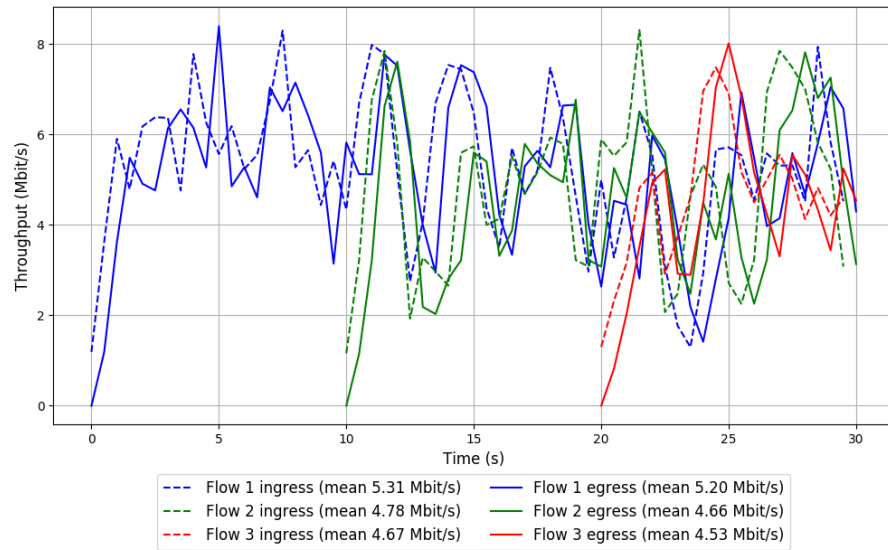


Run 9: Statistics of Sprout

Start at: 2018-05-22 06:20:45
End at: 2018-05-22 06:21:15
Local clock offset: -0.366 ms
Remote clock offset: 0.364 ms

```
# Below is generated by plot.py at 2018-05-22 07:10:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 69.106 ms
Loss rate: 2.39%
-- Flow 1:
Average throughput: 5.20 Mbit/s
95th percentile per-packet one-way delay: 69.170 ms
Loss rate: 2.18%
-- Flow 2:
Average throughput: 4.66 Mbit/s
95th percentile per-packet one-way delay: 69.051 ms
Loss rate: 2.48%
-- Flow 3:
Average throughput: 4.53 Mbit/s
95th percentile per-packet one-way delay: 68.932 ms
Loss rate: 2.95%
```


Run 9: Report of Sprout — Data Link

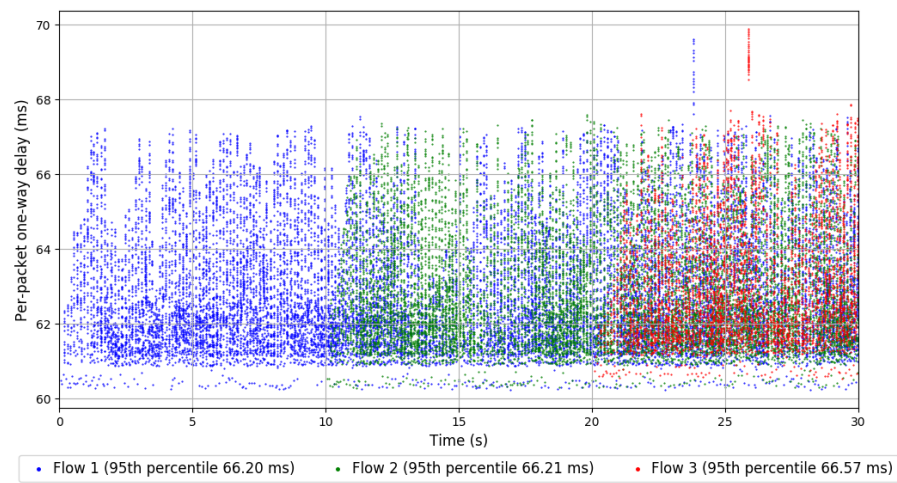
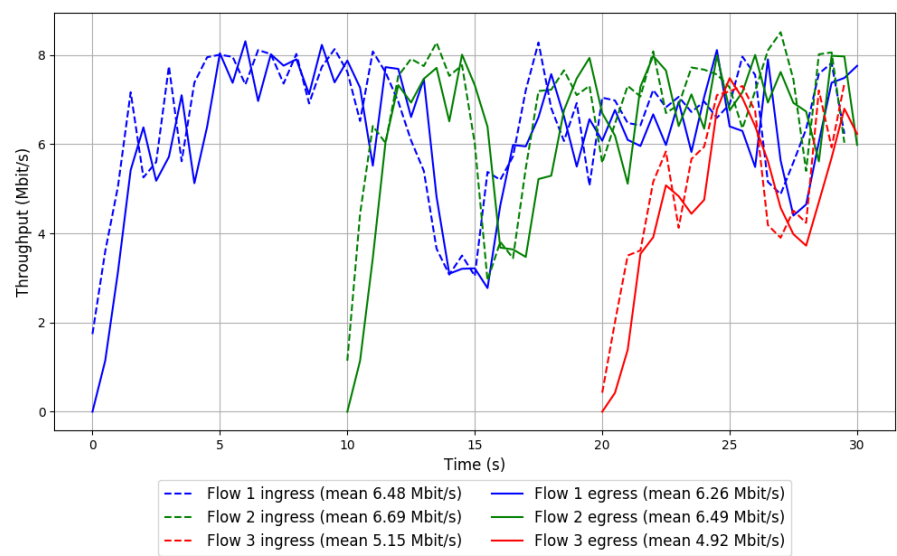


Run 10: Statistics of Sprout

Start at: 2018-05-22 06:46:20
End at: 2018-05-22 06:46:50
Local clock offset: 2.444 ms
Remote clock offset: -1.456 ms

Below is generated by plot.py at 2018-05-22 07:10:29
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 66.259 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 66.201 ms
Loss rate: 3.34%
-- Flow 2:
Average throughput: 6.49 Mbit/s
95th percentile per-packet one-way delay: 66.214 ms
Loss rate: 3.05%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 66.573 ms
Loss rate: 4.47%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-22 03:23:09

End at: 2018-05-22 03:23:39

Local clock offset: -0.754 ms

Remote clock offset: 1.097 ms

Below is generated by plot.py at 2018-05-22 07:12:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 76.460 ms

Loss rate: 4.95%

-- Flow 1:

Average throughput: 74.29 Mbit/s

95th percentile per-packet one-way delay: 76.416 ms

Loss rate: 4.28%

-- Flow 2:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 77.260 ms

Loss rate: 11.63%

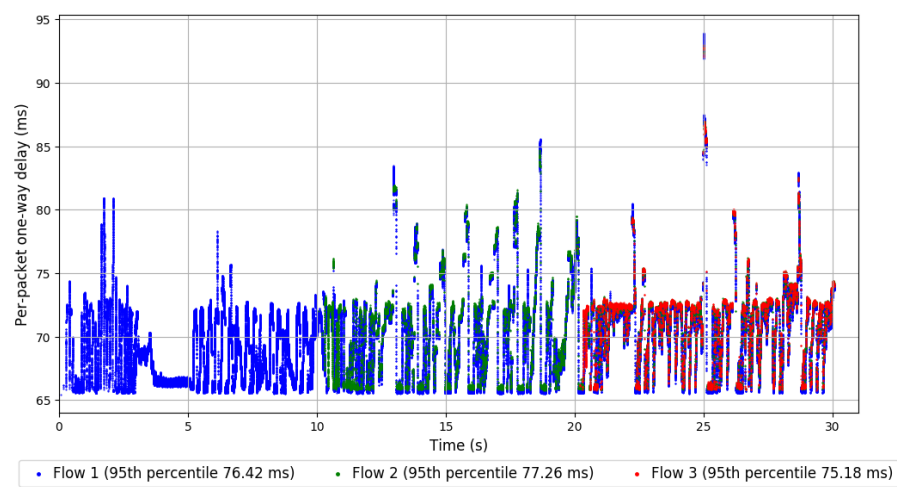
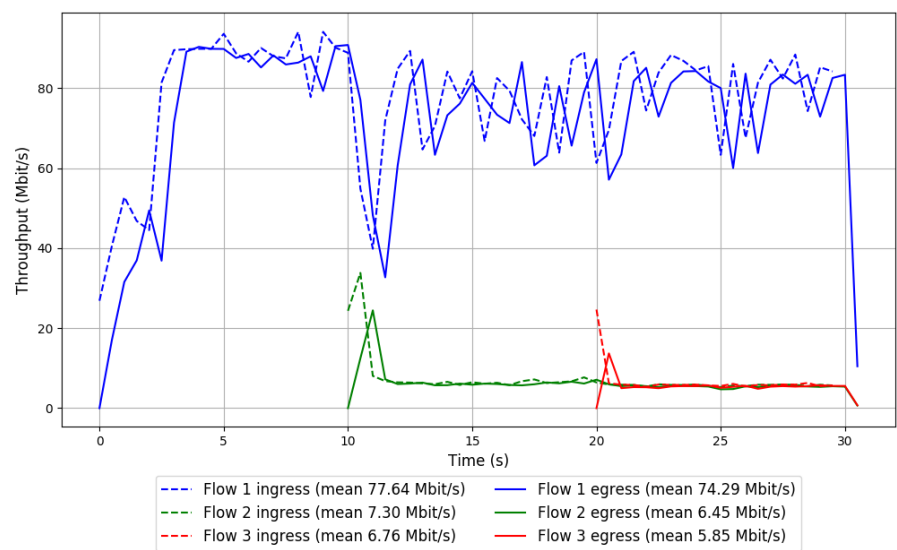
-- Flow 3:

Average throughput: 5.85 Mbit/s

95th percentile per-packet one-way delay: 75.177 ms

Loss rate: 13.56%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-22 03:44:39

End at: 2018-05-22 03:45:09

Local clock offset: 3.758 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at 2018-05-22 07:12:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 80.172 ms

Loss rate: 4.36%

-- Flow 1:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 80.256 ms

Loss rate: 3.65%

-- Flow 2:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 80.056 ms

Loss rate: 10.99%

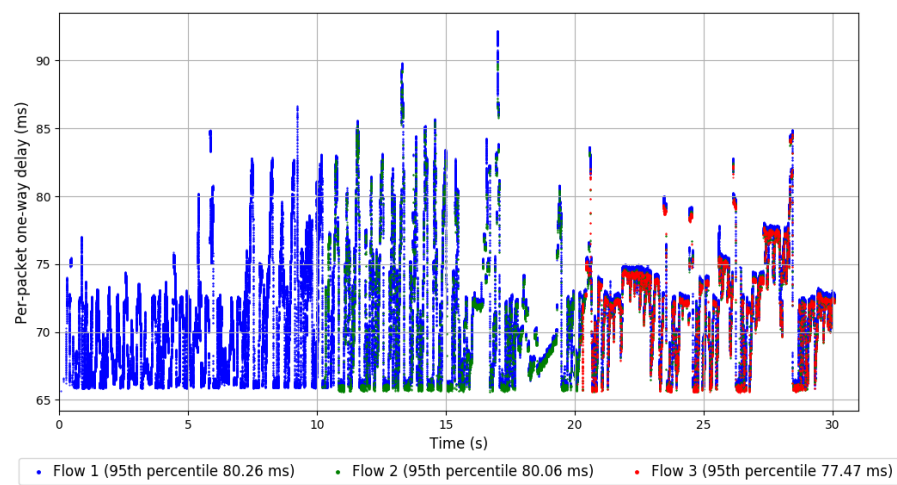
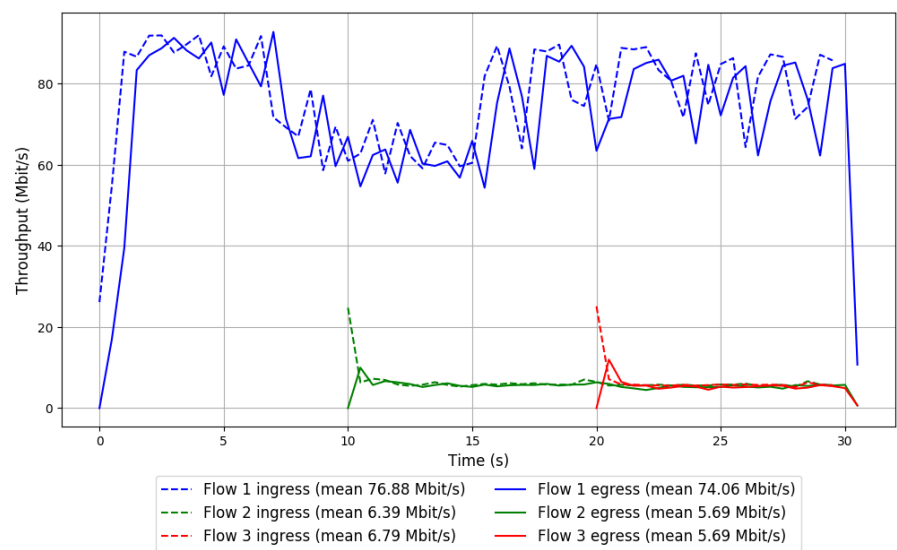
-- Flow 3:

Average throughput: 5.69 Mbit/s

95th percentile per-packet one-way delay: 77.465 ms

Loss rate: 16.21%

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

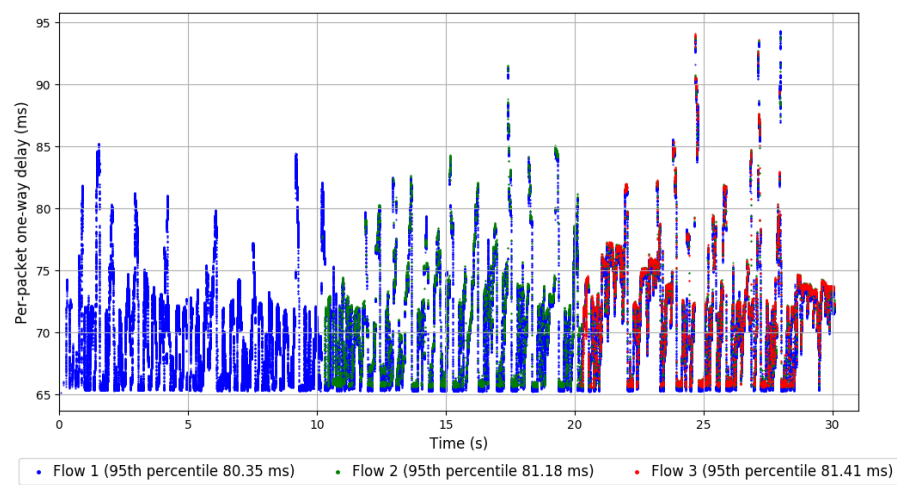
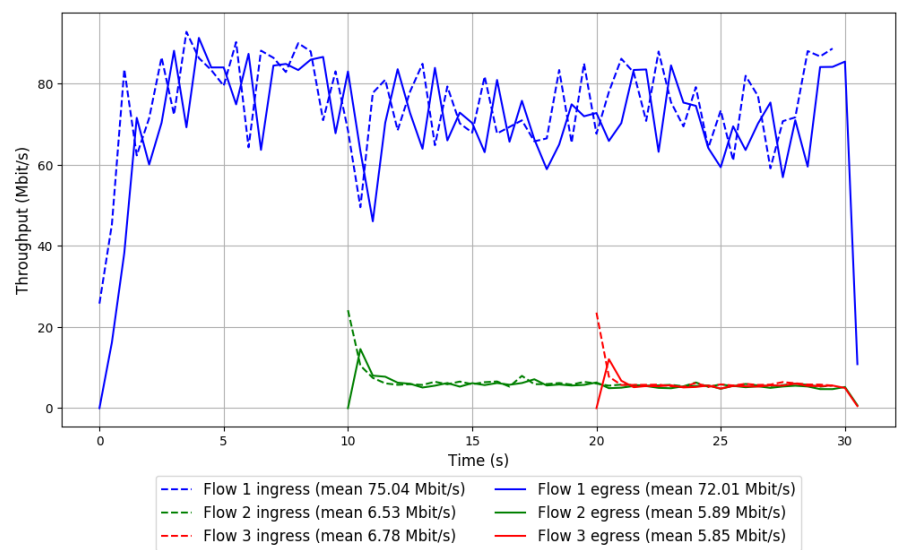


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-22 04:06:10
End at: 2018-05-22 04:06:40
Local clock offset: 0.865 ms
Remote clock offset: -0.463 ms

Below is generated by plot.py at 2018-05-22 07:12:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 80.413 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 72.01 Mbit/s
95th percentile per-packet one-way delay: 80.347 ms
Loss rate: 4.02%
-- Flow 2:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 81.183 ms
Loss rate: 9.66%
-- Flow 3:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 81.408 ms
Loss rate: 13.73%

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

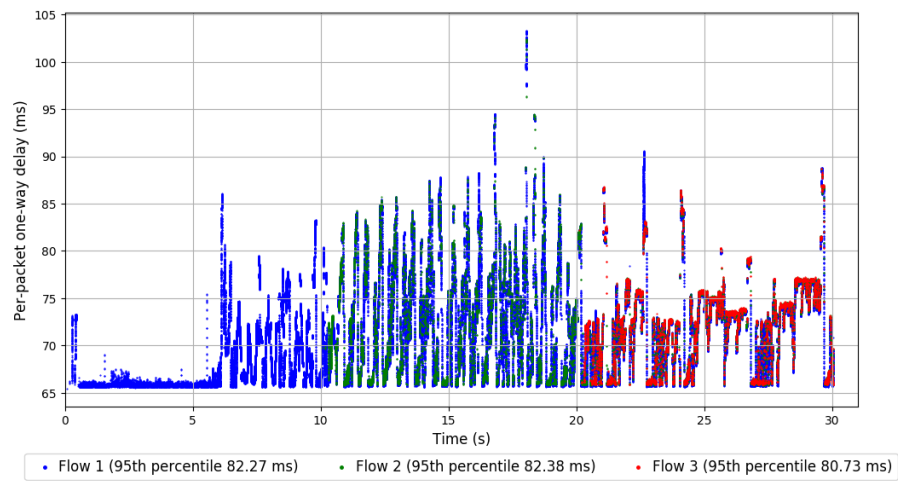
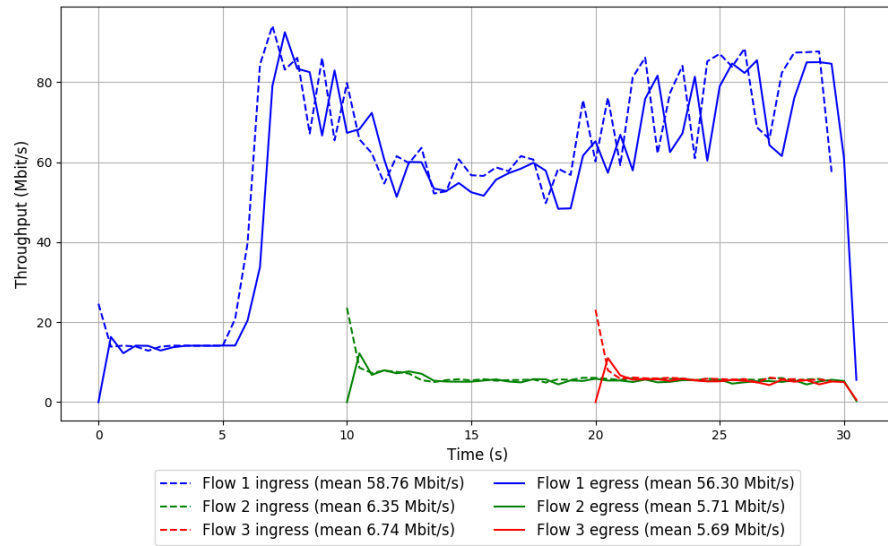


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-22 04:27:38
End at: 2018-05-22 04:28:08
Local clock offset: -1.241 ms
Remote clock offset: -2.406 ms

Below is generated by plot.py at 2018-05-22 07:12:00
Datalink statistics
-- Total of 3 flows:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 82.255 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 56.30 Mbit/s
95th percentile per-packet one-way delay: 82.267 ms
Loss rate: 4.16%
-- Flow 2:
Average throughput: 5.71 Mbit/s
95th percentile per-packet one-way delay: 82.379 ms
Loss rate: 10.05%
-- Flow 3:
Average throughput: 5.69 Mbit/s
95th percentile per-packet one-way delay: 80.727 ms
Loss rate: 15.75%

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

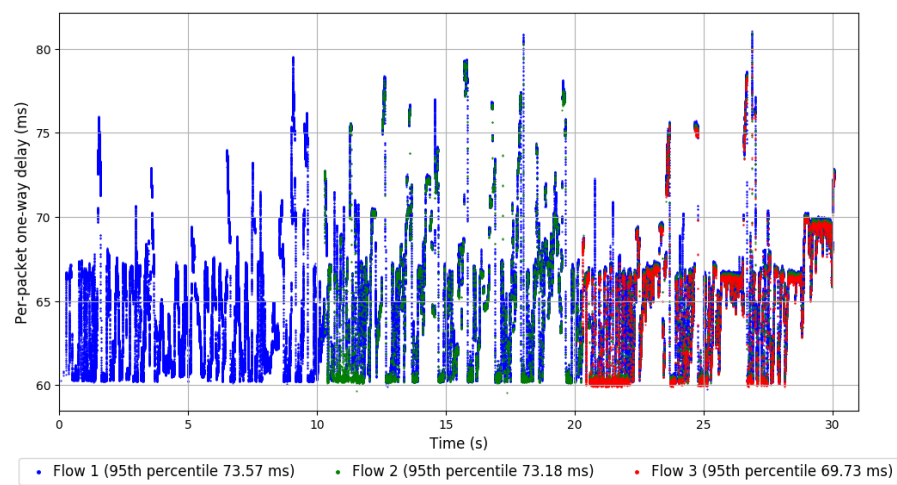
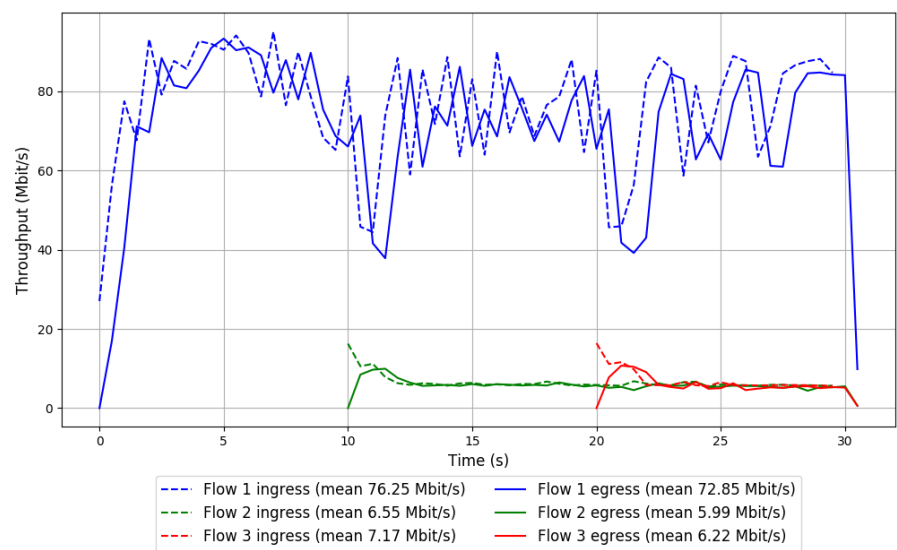


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-22 04:49:04
End at: 2018-05-22 04:49:34
Local clock offset: -0.702 ms
Remote clock offset: -6.098 ms

Below is generated by plot.py at 2018-05-22 07:12:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 73.506 ms
Loss rate: 4.89%
-- Flow 1:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 73.574 ms
Loss rate: 4.42%
-- Flow 2:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 73.182 ms
Loss rate: 8.55%
-- Flow 3:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 69.733 ms
Loss rate: 13.16%

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

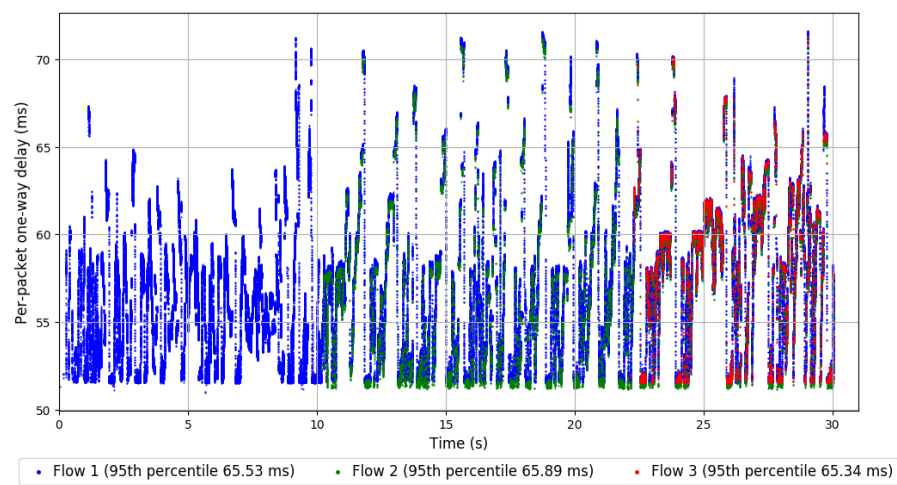
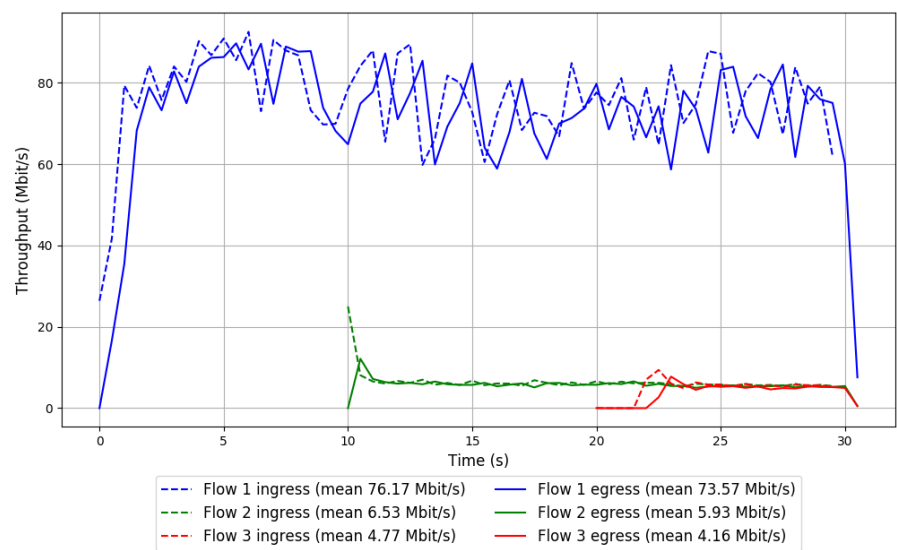


Run 6: Statistics of TaoVA-100x

Start at: 2018-05-22 05:11:04
End at: 2018-05-22 05:11:34
Local clock offset: -0.492 ms
Remote clock offset: -12.647 ms

Below is generated by plot.py at 2018-05-22 07:12:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 65.539 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 65.535 ms
Loss rate: 3.40%
-- Flow 2:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 65.895 ms
Loss rate: 9.24%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 65.336 ms
Loss rate: 12.79%

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

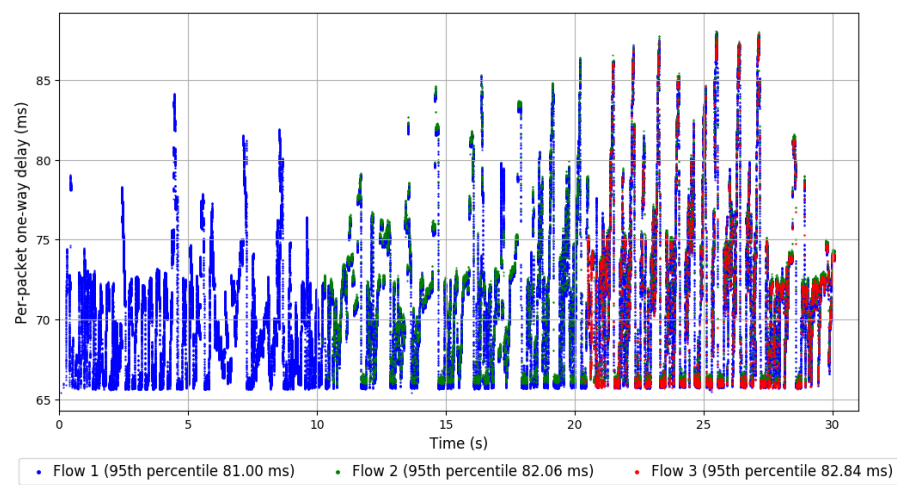
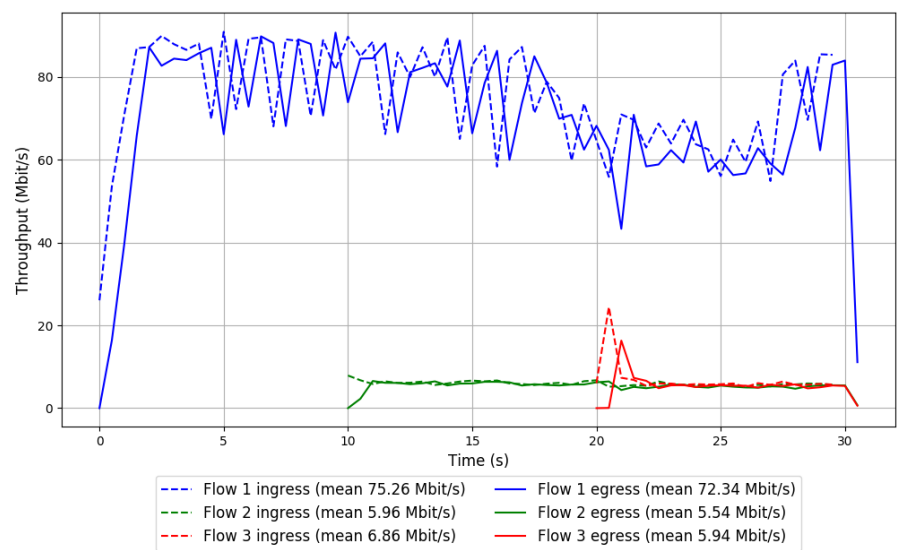


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-22 05:32:31
End at: 2018-05-22 05:33:01
Local clock offset: 0.988 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2018-05-22 07:12:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 81.049 ms
Loss rate: 4.33%
-- Flow 1:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 80.999 ms
Loss rate: 3.86%
-- Flow 2:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 82.062 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 82.838 ms
Loss rate: 15.17%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-05-22 05:53:59

End at: 2018-05-22 05:54:29

Local clock offset: 2.783 ms

Remote clock offset: 0.359 ms

Below is generated by plot.py at 2018-05-22 07:12:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.87 Mbit/s

95th percentile per-packet one-way delay: 74.559 ms

Loss rate: 6.59%

-- Flow 1:

Average throughput: 13.22 Mbit/s

95th percentile per-packet one-way delay: 72.685 ms

Loss rate: 5.61%

-- Flow 2:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 72.226 ms

Loss rate: 5.01%

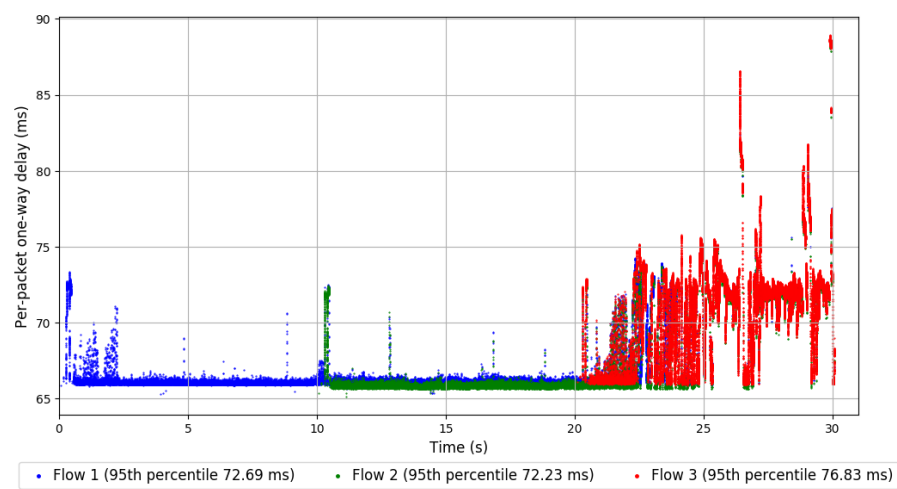
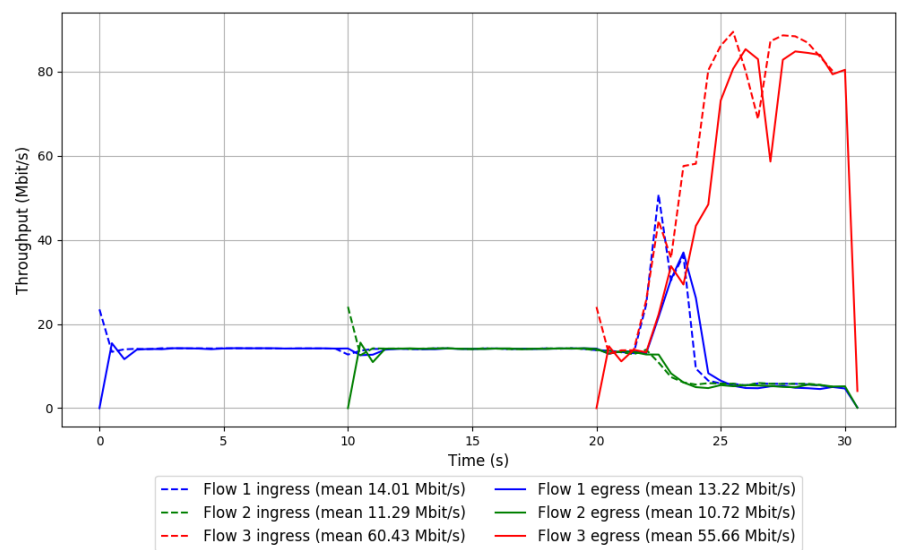
-- Flow 3:

Average throughput: 55.66 Mbit/s

95th percentile per-packet one-way delay: 76.830 ms

Loss rate: 7.87%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-05-22 06:15:22

End at: 2018-05-22 06:15:52

Local clock offset: -0.131 ms

Remote clock offset: 0.242 ms

Below is generated by plot.py at 2018-05-22 07:13:14

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 79.181 ms

Loss rate: 4.40%

-- Flow 1:

Average throughput: 67.21 Mbit/s

95th percentile per-packet one-way delay: 79.165 ms

Loss rate: 3.91%

-- Flow 2:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 79.242 ms

Loss rate: 10.45%

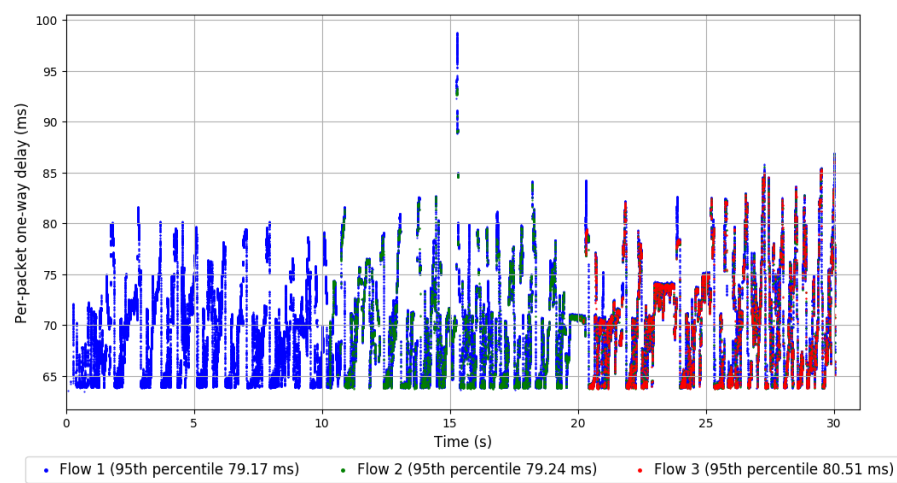
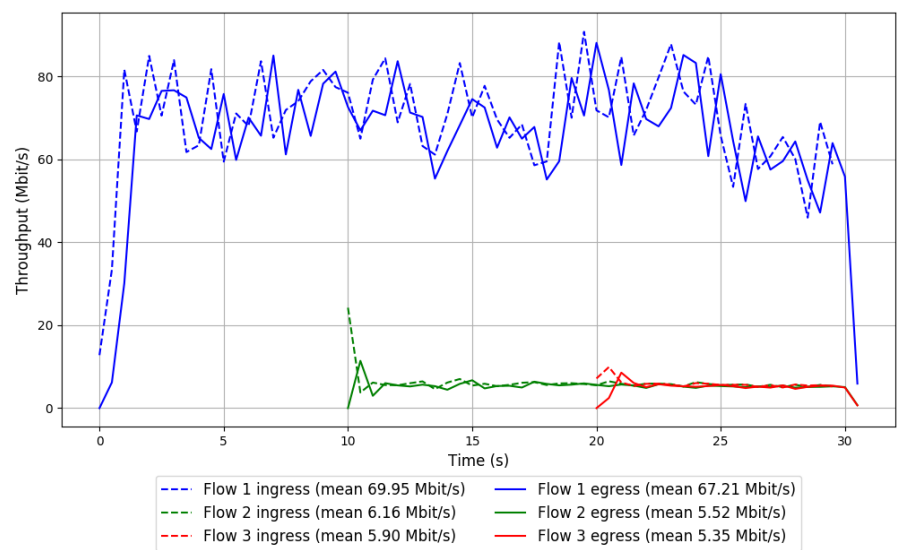
-- Flow 3:

Average throughput: 5.35 Mbit/s

95th percentile per-packet one-way delay: 80.514 ms

Loss rate: 9.30%

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

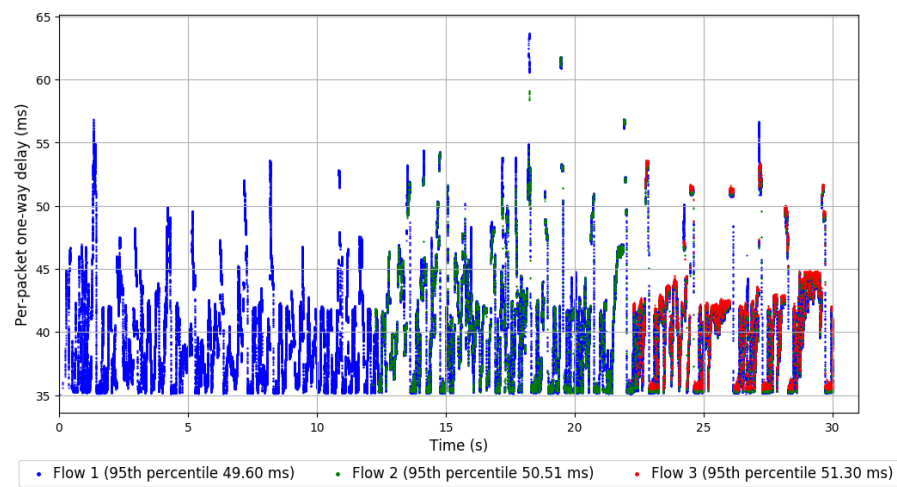
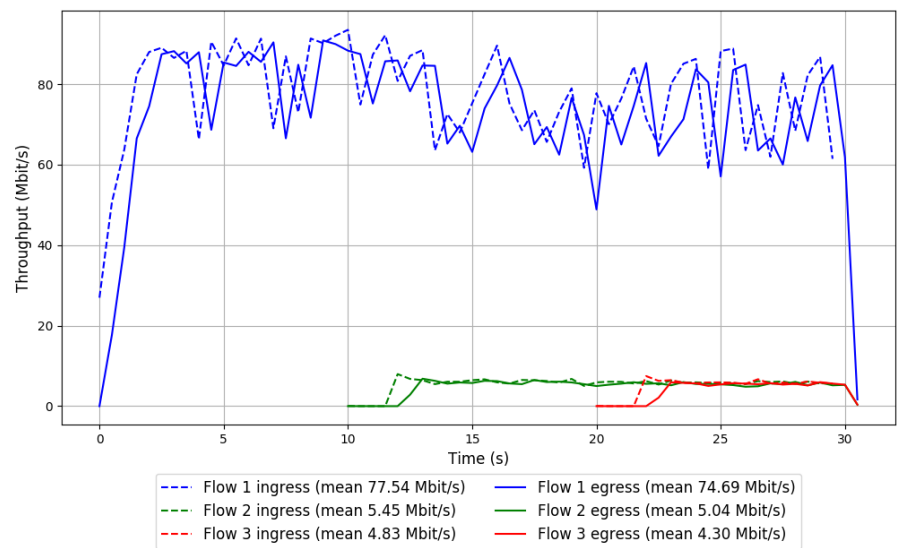


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-22 06:40:57
End at: 2018-05-22 06:41:27
Local clock offset: 2.295 ms
Remote clock offset: -27.177 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 3.99%
-- Flow 1:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 49.603 ms
Loss rate: 3.68%
-- Flow 2:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 50.513 ms
Loss rate: 7.55%
-- Flow 3:
Average throughput: 4.30 Mbit/s
95th percentile per-packet one-way delay: 51.302 ms
Loss rate: 10.92%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-22 03:33:47

End at: 2018-05-22 03:34:17

Local clock offset: 1.943 ms

Remote clock offset: 0.79 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 67.309 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 25.02 Mbit/s

95th percentile per-packet one-way delay: 67.108 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 67.715 ms

Loss rate: 0.40%

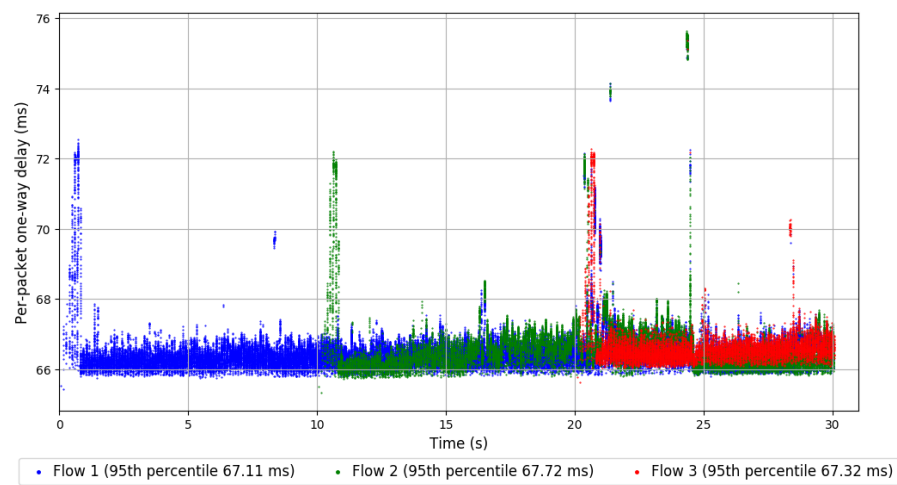
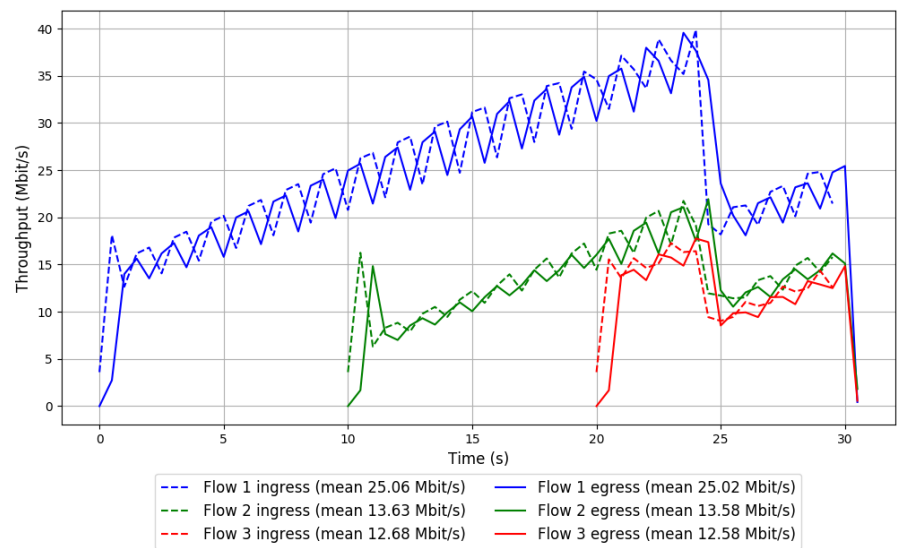
-- Flow 3:

Average throughput: 12.58 Mbit/s

95th percentile per-packet one-way delay: 67.322 ms

Loss rate: 0.79%

Run 1: Report of TCP Vegas — Data Link

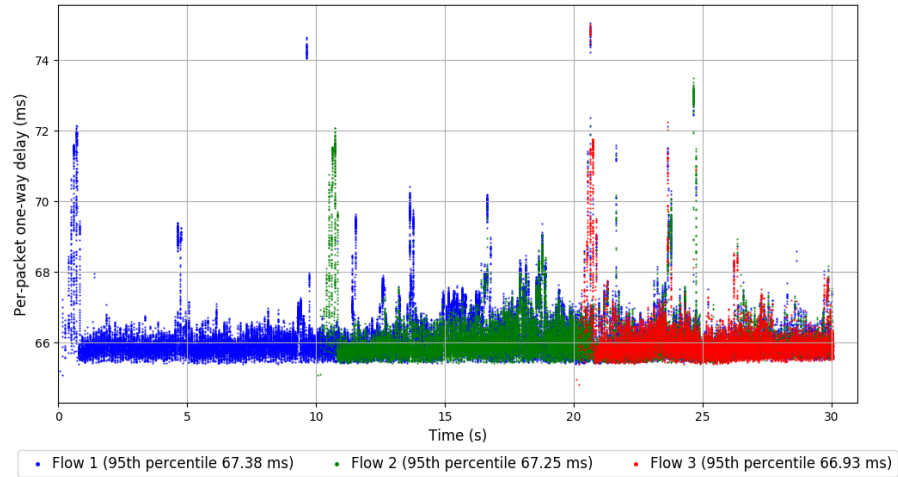
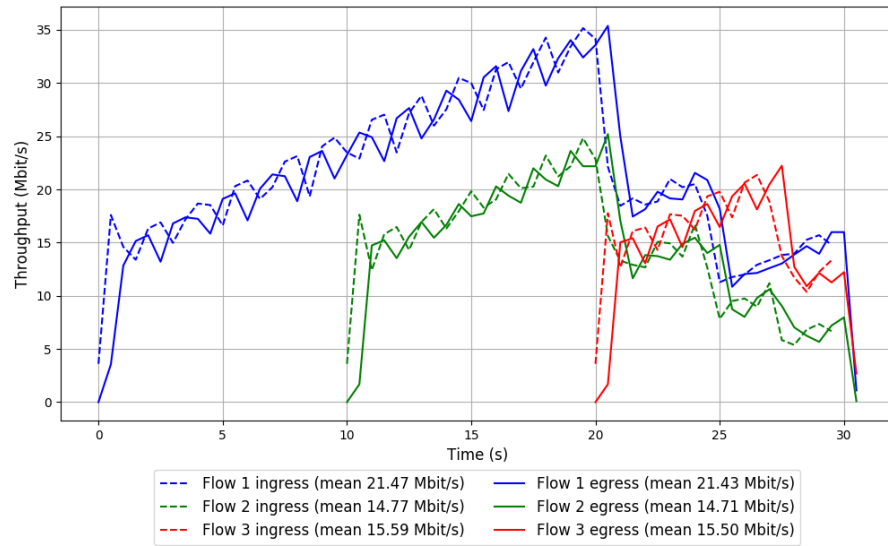


Run 2: Statistics of TCP Vegas

Start at: 2018-05-22 03:55:19
End at: 2018-05-22 03:55:49
Local clock offset: 4.694 ms
Remote clock offset: -0.206 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 67.323 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 67.384 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 14.71 Mbit/s
95th percentile per-packet one-way delay: 67.246 ms
Loss rate: 0.33%
-- Flow 3:
Average throughput: 15.50 Mbit/s
95th percentile per-packet one-way delay: 66.931 ms
Loss rate: 0.60%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2018-05-22 04:16:49

End at: 2018-05-22 04:17:19

Local clock offset: -0.665 ms

Remote clock offset: -1.62 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 67.929 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 67.797 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 67.439 ms

Loss rate: 0.68%

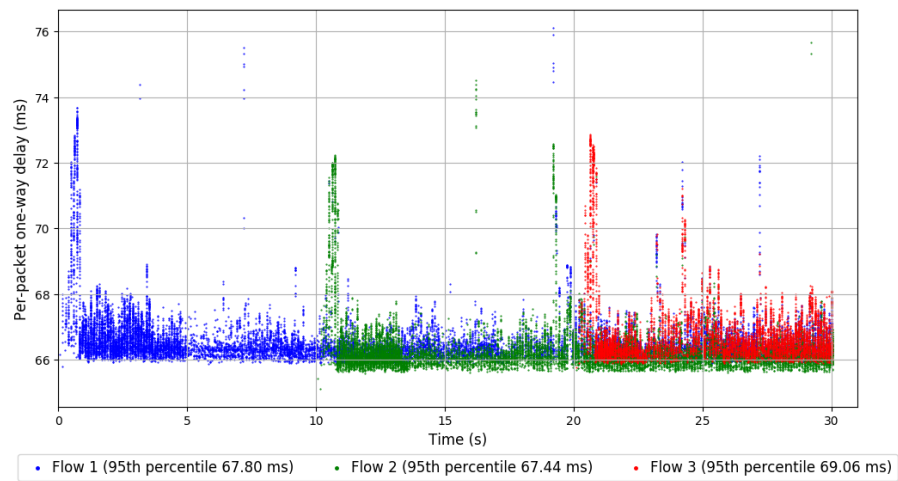
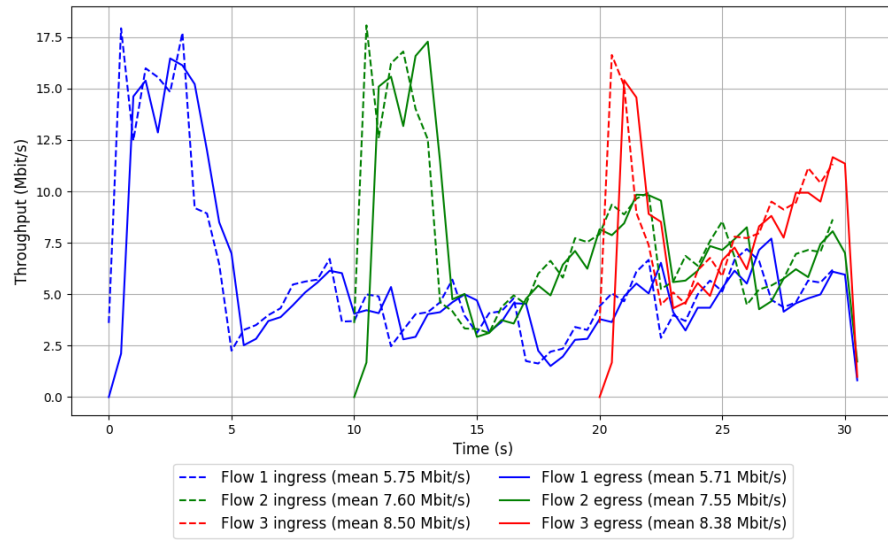
-- Flow 3:

Average throughput: 8.38 Mbit/s

95th percentile per-packet one-way delay: 69.059 ms

Loss rate: 1.33%

Run 3: Report of TCP Vegas — Data Link

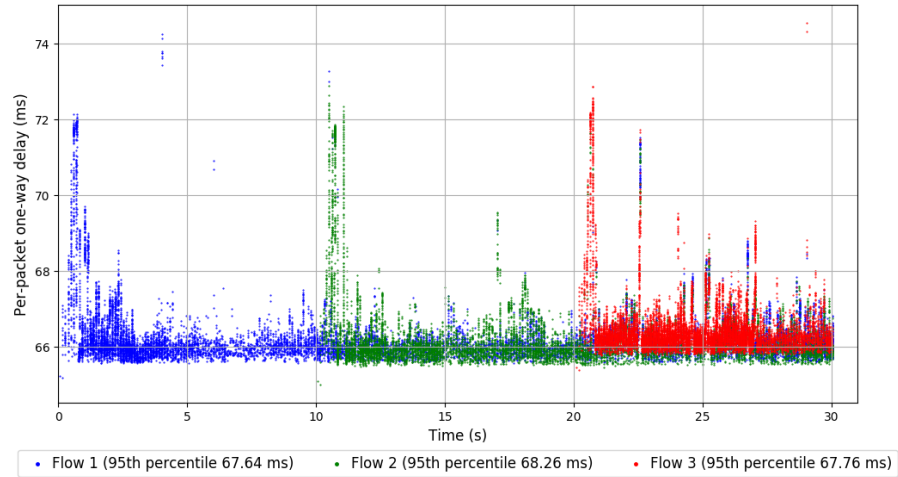
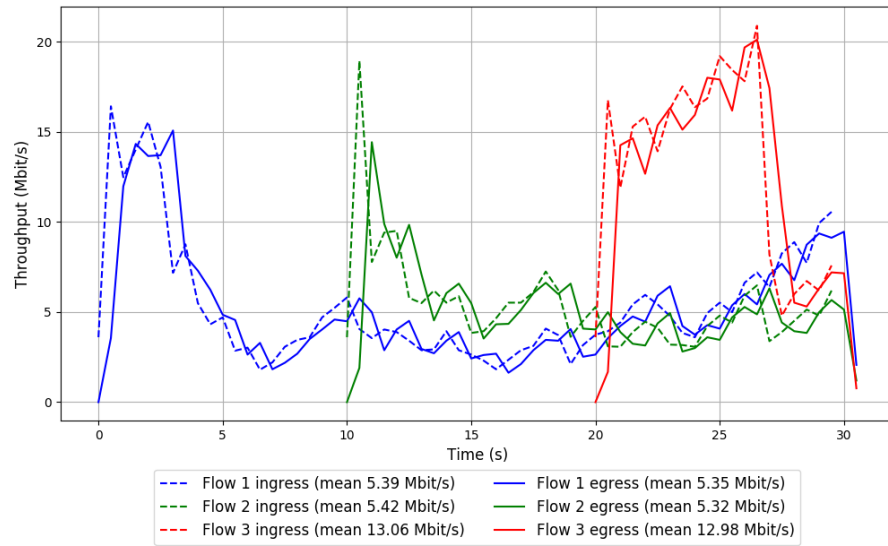


Run 4: Statistics of TCP Vegas

Start at: 2018-05-22 04:38:15
End at: 2018-05-22 04:38:45
Local clock offset: -0.709 ms
Remote clock offset: -2.675 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 13.20 Mbit/s
95th percentile per-packet one-way delay: 67.824 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 5.35 Mbit/s
95th percentile per-packet one-way delay: 67.644 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 5.32 Mbit/s
95th percentile per-packet one-way delay: 68.257 ms
Loss rate: 1.90%
-- Flow 3:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 67.757 ms
Loss rate: 0.65%

Run 4: Report of TCP Vegas — Data Link

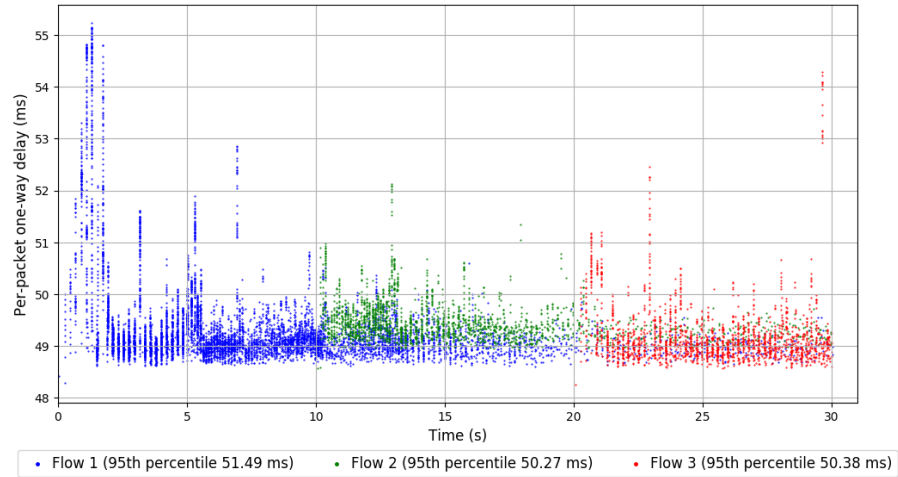
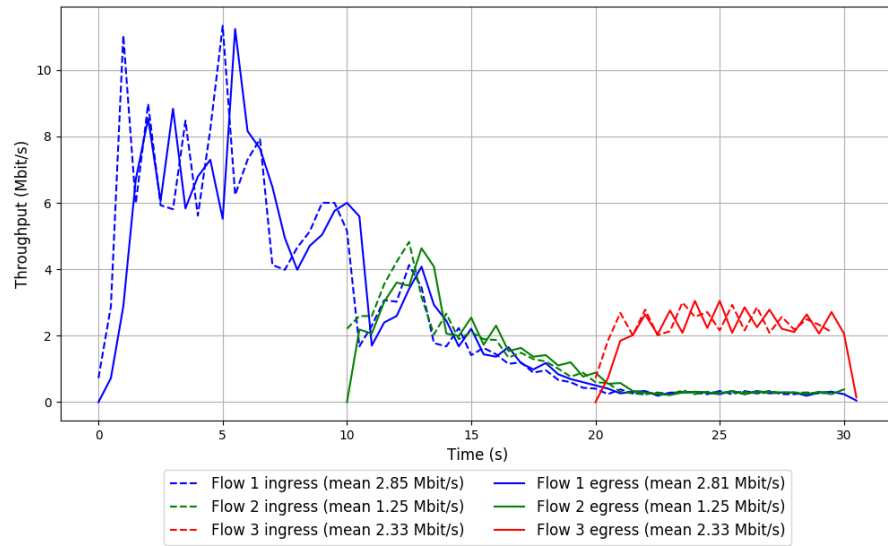


Run 5: Statistics of TCP Vegas

Start at: 2018-05-22 04:59:57
End at: 2018-05-22 05:00:27
Local clock offset: -0.541 ms
Remote clock offset: -15.956 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 4.41 Mbit/s
95th percentile per-packet one-way delay: 50.992 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 51.494 ms
Loss rate: 1.53%
-- Flow 2:
Average throughput: 1.25 Mbit/s
95th percentile per-packet one-way delay: 50.265 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.382 ms
Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link

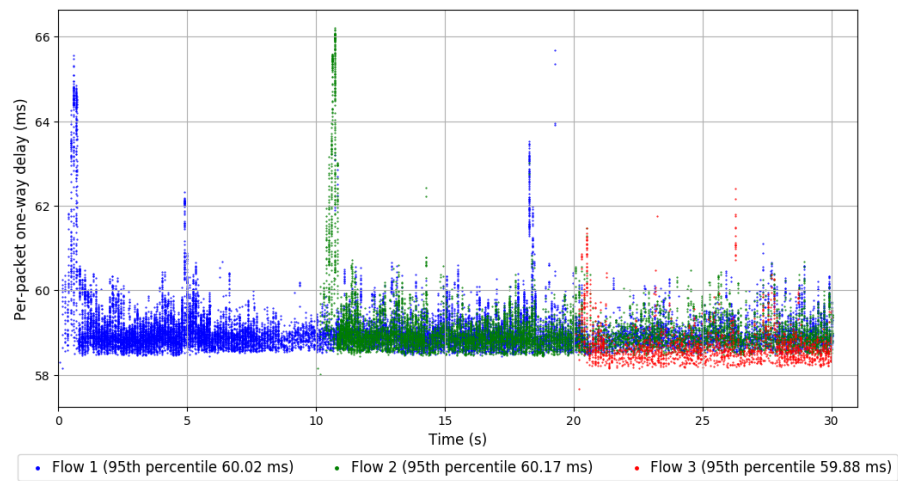
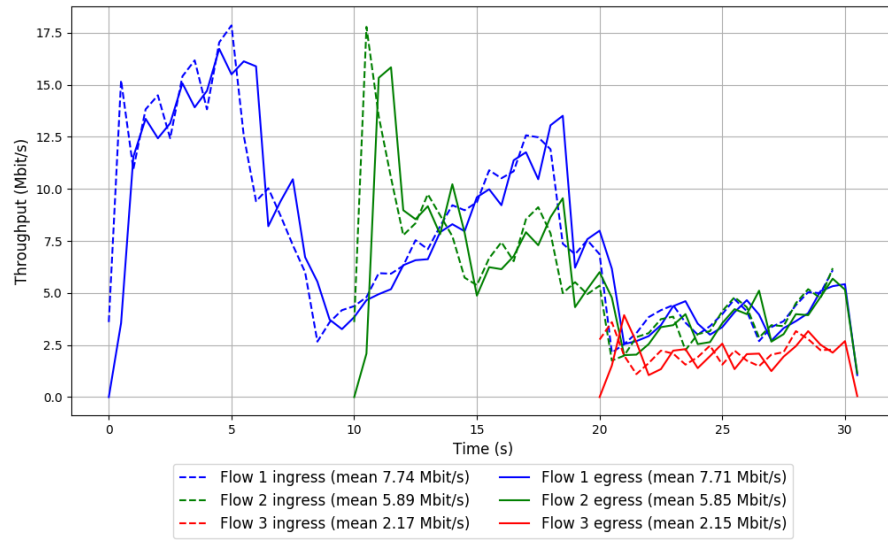


Run 6: Statistics of TCP Vegas

Start at: 2018-05-22 05:21:42
End at: 2018-05-22 05:22:12
Local clock offset: -0.405 ms
Remote clock offset: -6.718 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 60.038 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 7.71 Mbit/s
95th percentile per-packet one-way delay: 60.025 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: 60.167 ms
Loss rate: 0.73%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 59.878 ms
Loss rate: 1.00%

Run 6: Report of TCP Vegas — Data Link

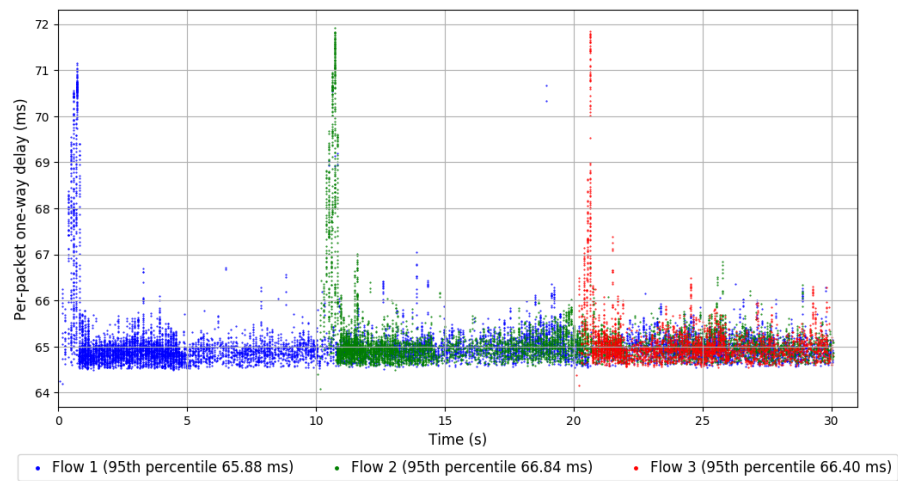
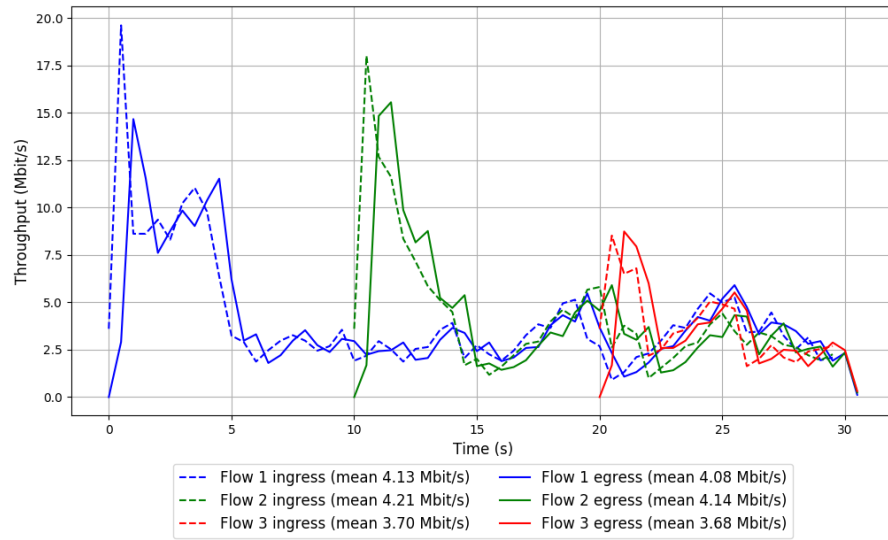


Run 7: Statistics of TCP Vegas

Start at: 2018-05-22 05:43:09
End at: 2018-05-22 05:43:39
Local clock offset: 2.315 ms
Remote clock offset: -1.445 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 66.218 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 4.08 Mbit/s
95th percentile per-packet one-way delay: 65.876 ms
Loss rate: 1.37%
-- Flow 2:
Average throughput: 4.14 Mbit/s
95th percentile per-packet one-way delay: 66.838 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 3.68 Mbit/s
95th percentile per-packet one-way delay: 66.399 ms
Loss rate: 0.55%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: 2018-05-22 06:04:32

End at: 2018-05-22 06:05:02

Local clock offset: 1.098 ms

Remote clock offset: 0.692 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 66.460 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 66.347 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 6.62 Mbit/s

95th percentile per-packet one-way delay: 66.978 ms

Loss rate: 0.79%

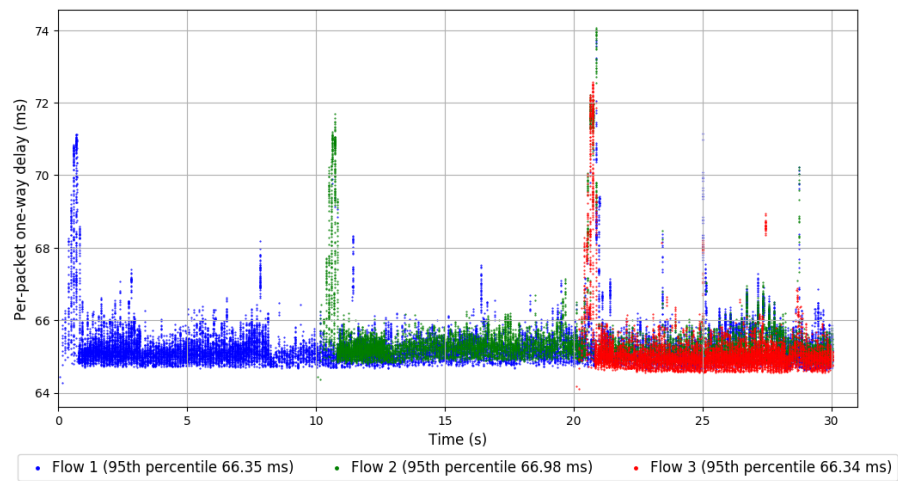
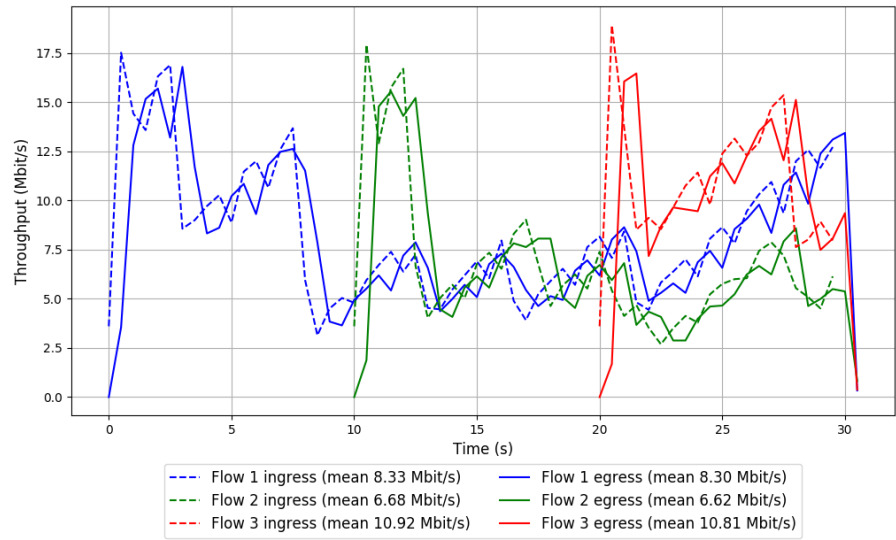
-- Flow 3:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 66.345 ms

Loss rate: 0.94%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-05-22 06:25:59

End at: 2018-05-22 06:26:29

Local clock offset: -0.55 ms

Remote clock offset: 2.398 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 67.445 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 67.207 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 67.345 ms

Loss rate: 0.60%

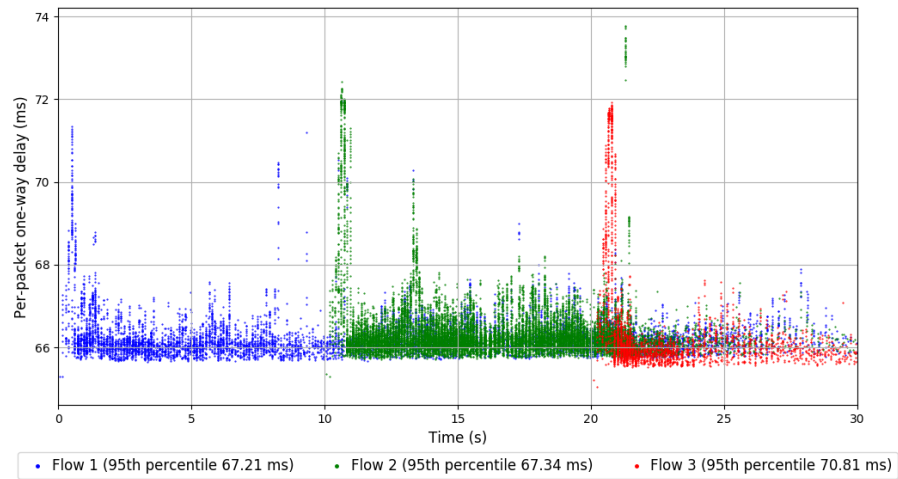
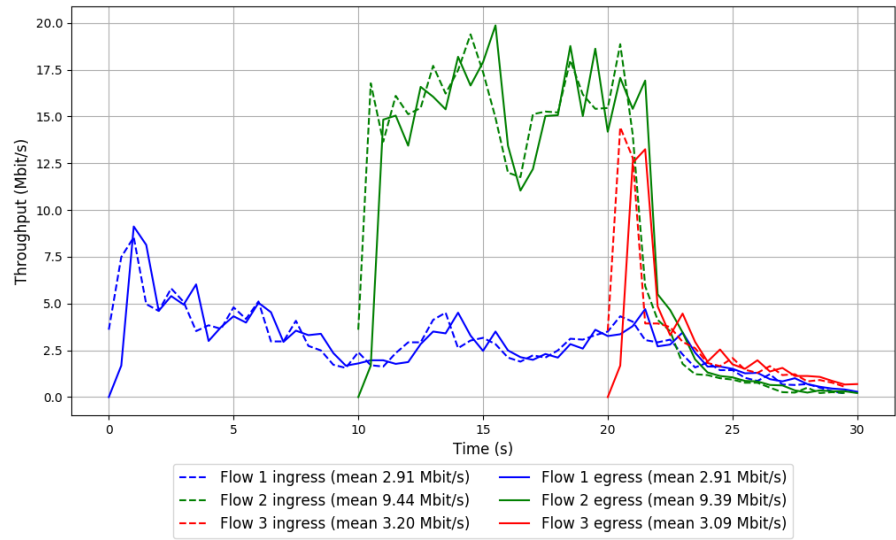
-- Flow 3:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 70.805 ms

Loss rate: 3.48%

Run 9: Report of TCP Vegas — Data Link

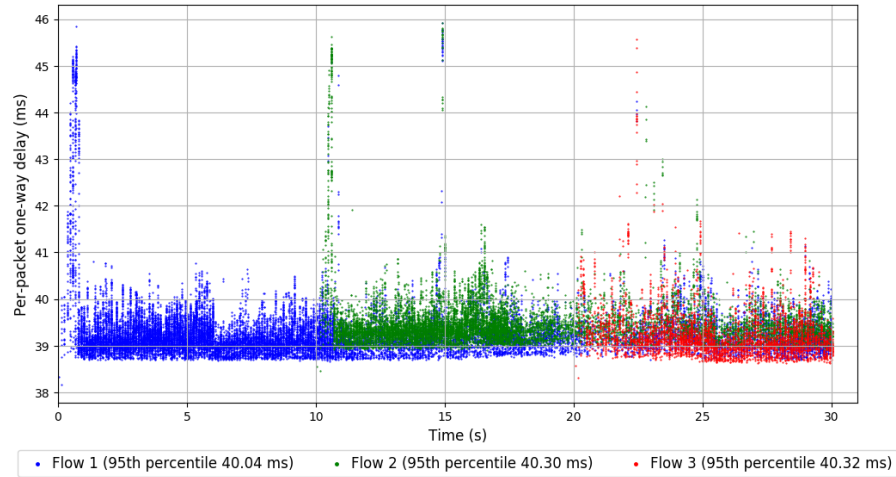
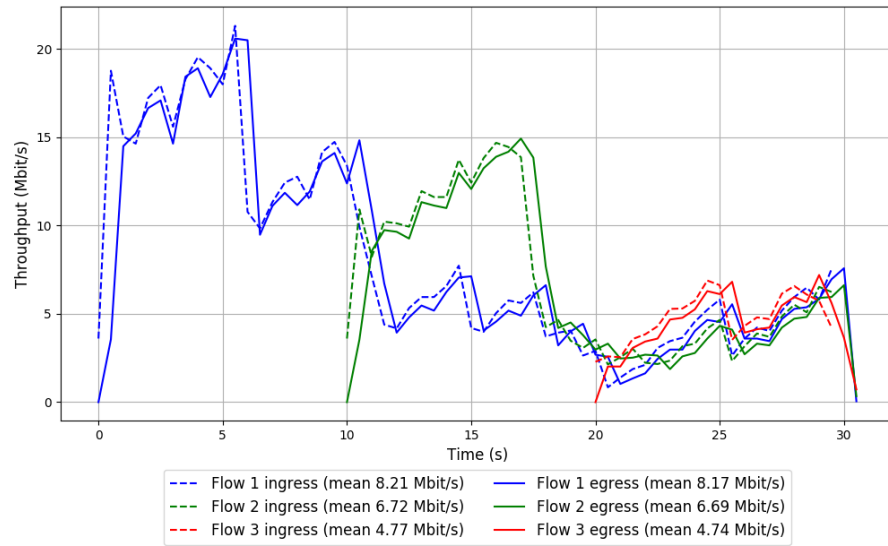


Run 10: Statistics of TCP Vegas

Start at: 2018-05-22 06:51:33
End at: 2018-05-22 06:52:03
Local clock offset: 2.718 ms
Remote clock offset: -23.38 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 40.162 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 40.037 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 6.69 Mbit/s
95th percentile per-packet one-way delay: 40.296 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 40.318 ms
Loss rate: 0.48%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-22 03:36:30

End at: 2018-05-22 03:37:00

Local clock offset: 2.546 ms

Remote clock offset: 0.576 ms

Run 1: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Verus

Start at: 2018-05-22 03:58:02

End at: 2018-05-22 03:58:32

Local clock offset: 3.946 ms

Remote clock offset: -0.189 ms

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Verus

Start at: 2018-05-22 04:19:31

End at: 2018-05-22 04:20:01

Local clock offset: -0.91 ms

Remote clock offset: -2.002 ms

Run 3: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Verus

Start at: 2018-05-22 04:40:56

End at: 2018-05-22 04:41:26

Local clock offset: -0.565 ms

Remote clock offset: -2.731 ms

Run 4: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Verus

Start at: 2018-05-22 05:02:55

End at: 2018-05-22 05:03:25

Local clock offset: -0.452 ms

Remote clock offset: -6.479 ms

Run 5: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of Verus

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

End at: 2018-05-22 05:24:54

Local clock offset: -0.678 ms

Remote clock offset: 0.143 ms

Run 6: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Verus

Start at: 2018-05-22 05:45:51

End at: 2018-05-22 05:46:21

Local clock offset: 2.515 ms

Remote clock offset: -0.421 ms

Run 7: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Verus

Start at: 2018-05-22 06:07:15

End at: 2018-05-22 06:07:45

Local clock offset: 0.571 ms

Remote clock offset: 1.468 ms

Run 8: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Verus

Start at: 2018-05-22 06:30:48

End at: 2018-05-22 06:31:18

Local clock offset: 0.665 ms

Remote clock offset: 2.498 ms

Run 9: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Verus

Start at: 2018-05-22 06:54:15

End at: 2018-05-22 06:54:45

Local clock offset: 2.969 ms

Remote clock offset: 3.716 ms

Run 10: Report of Verus — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of PCC-Vivace

Start at: 2018-05-22 03:21:46

End at: 2018-05-22 03:22:16

Local clock offset: -0.73 ms

Remote clock offset: 1.135 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.05 Mbit/s

95th percentile per-packet one-way delay: 77.490 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 67.72 Mbit/s

95th percentile per-packet one-way delay: 77.315 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 17.77 Mbit/s

95th percentile per-packet one-way delay: 78.556 ms

Loss rate: 0.49%

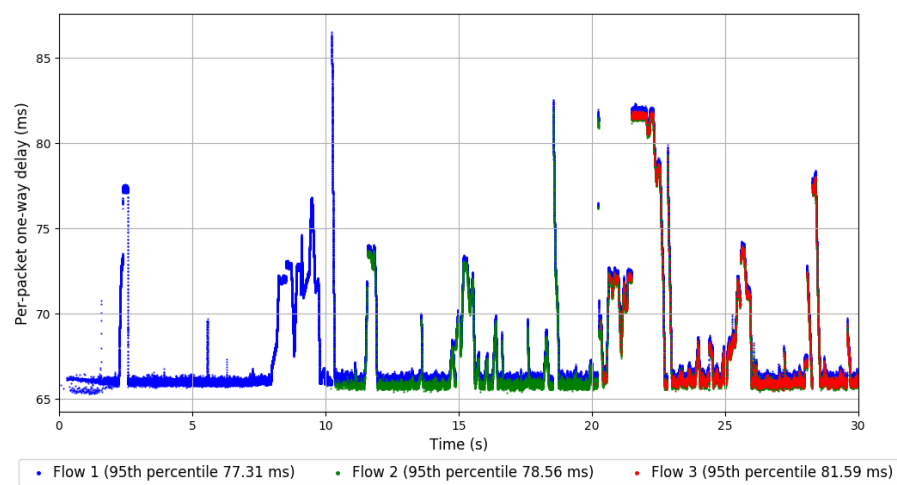
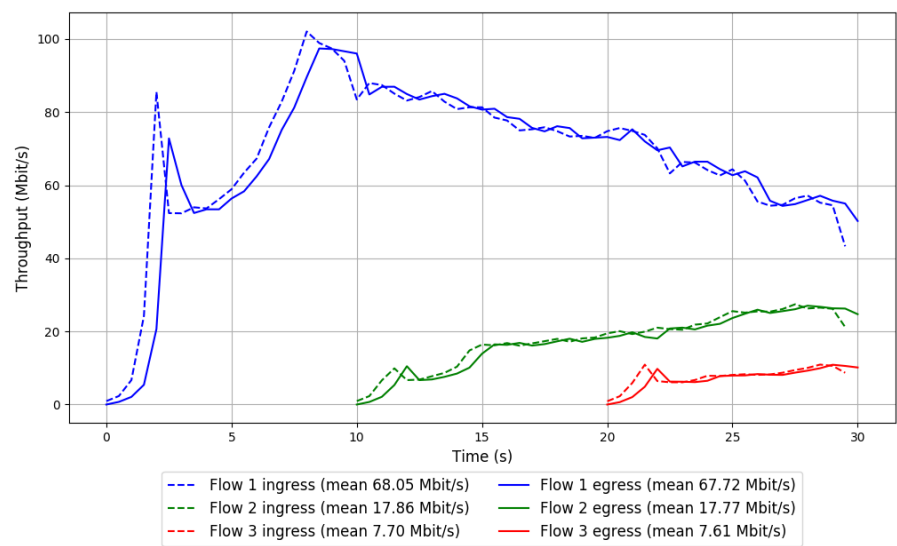
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 81.591 ms

Loss rate: 1.19%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-22 03:43:16

End at: 2018-05-22 03:43:46

Local clock offset: 3.751 ms

Remote clock offset: 0.095 ms

Below is generated by plot.py at 2018-05-22 07:13:42

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.01 Mbit/s

95th percentile per-packet one-way delay: 71.882 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 69.21 Mbit/s

95th percentile per-packet one-way delay: 71.703 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 14.64 Mbit/s

95th percentile per-packet one-way delay: 73.897 ms

Loss rate: 0.18%

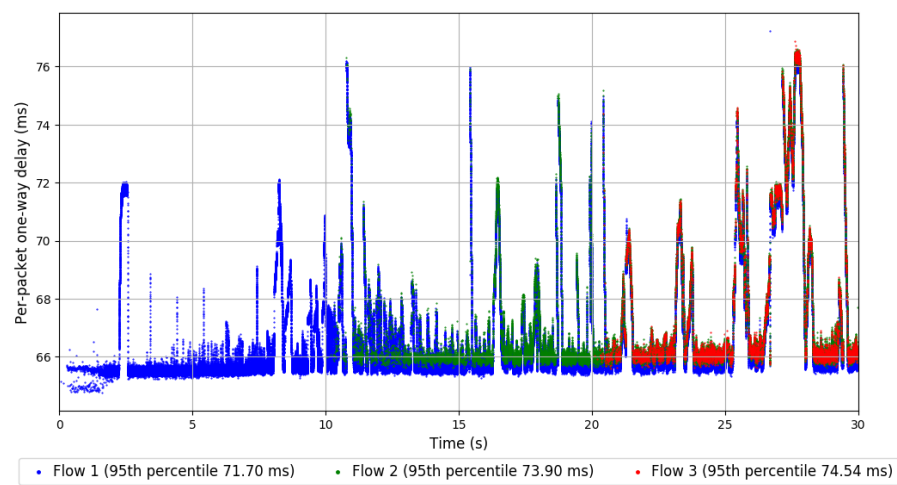
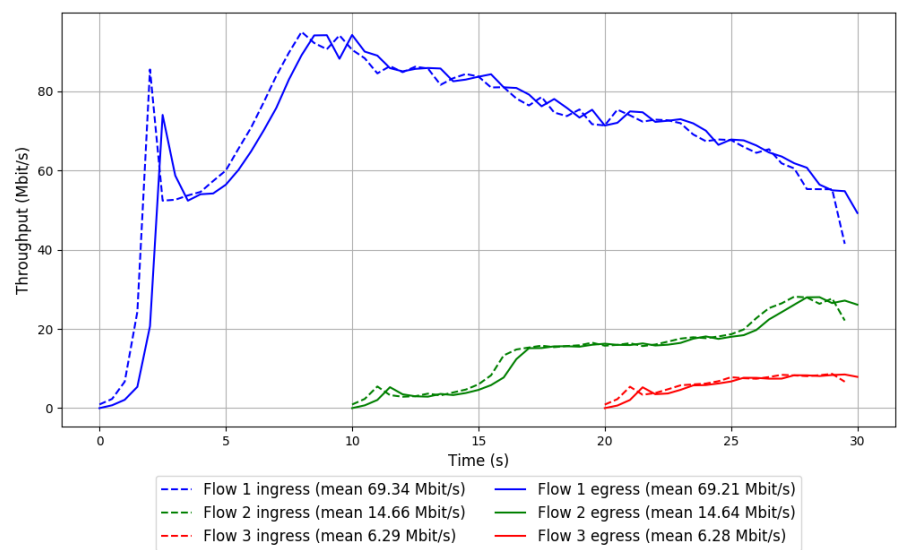
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 74.540 ms

Loss rate: 0.24%

Run 2: Report of PCC-Vivace — Data Link

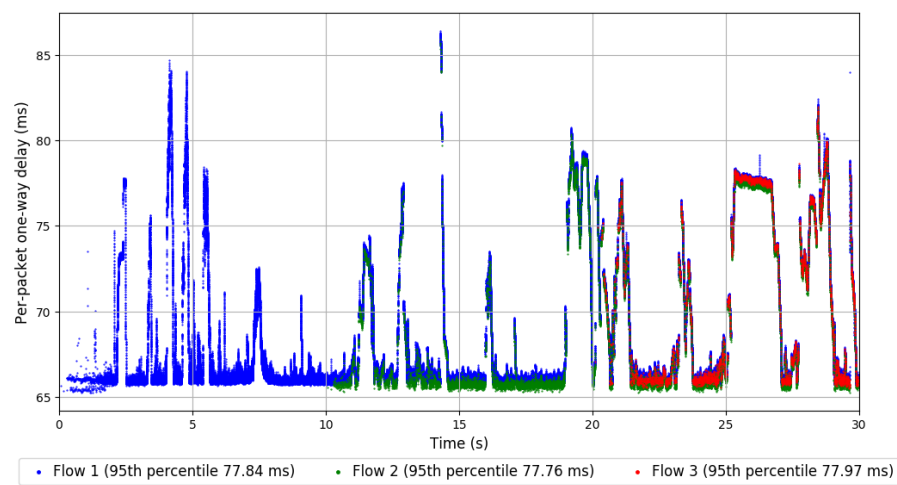
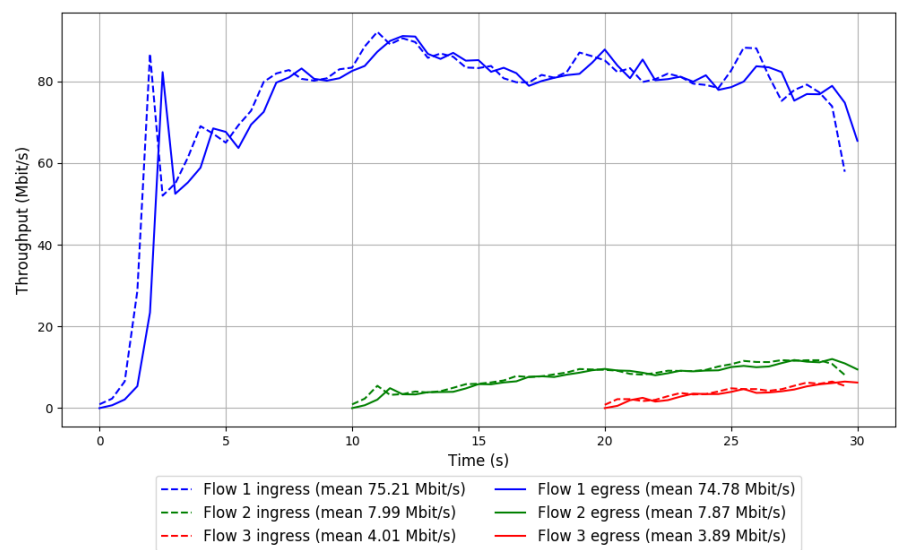


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-22 04:04:47
End at: 2018-05-22 04:05:17
Local clock offset: 1.179 ms
Remote clock offset: -0.382 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 81.30 Mbit/s
95th percentile per-packet one-way delay: 77.845 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 74.78 Mbit/s
95th percentile per-packet one-way delay: 77.845 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 77.762 ms
Loss rate: 1.44%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 77.972 ms
Loss rate: 2.94%

Run 3: Report of PCC-Vivace — Data Link

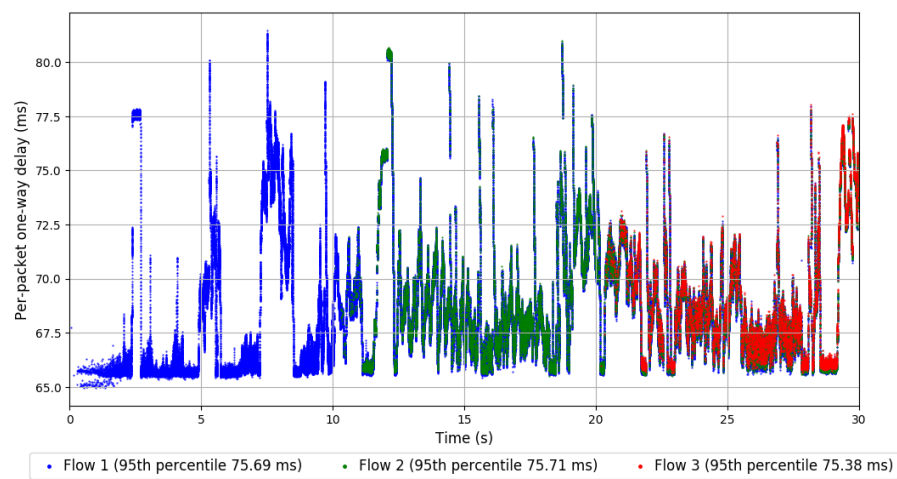
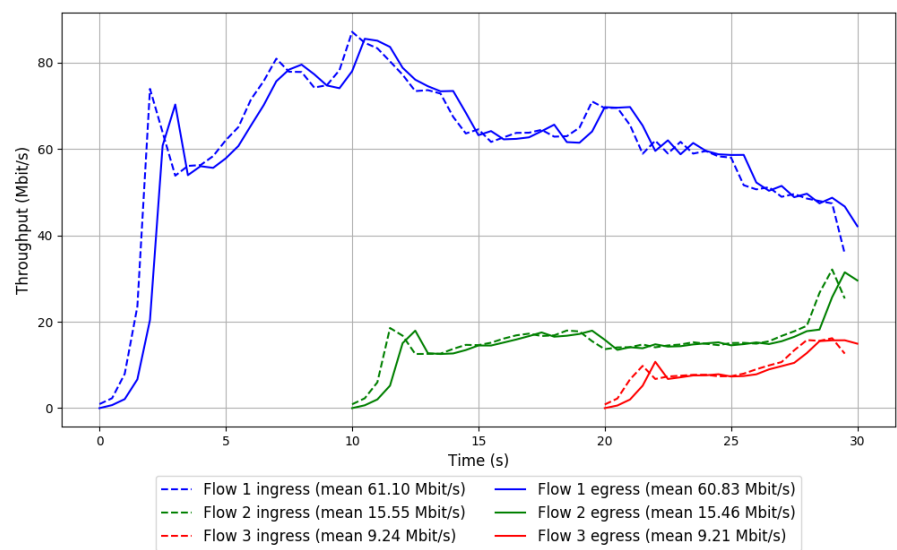


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-22 04:26:16
End at: 2018-05-22 04:26:46
Local clock offset: -1.293 ms
Remote clock offset: -2.294 ms

Below is generated by plot.py at 2018-05-22 07:13:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 74.15 Mbit/s
95th percentile per-packet one-way delay: 75.682 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 75.687 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 75.707 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 9.21 Mbit/s
95th percentile per-packet one-way delay: 75.377 ms
Loss rate: 0.33%

Run 4: Report of PCC-Vivace — Data Link

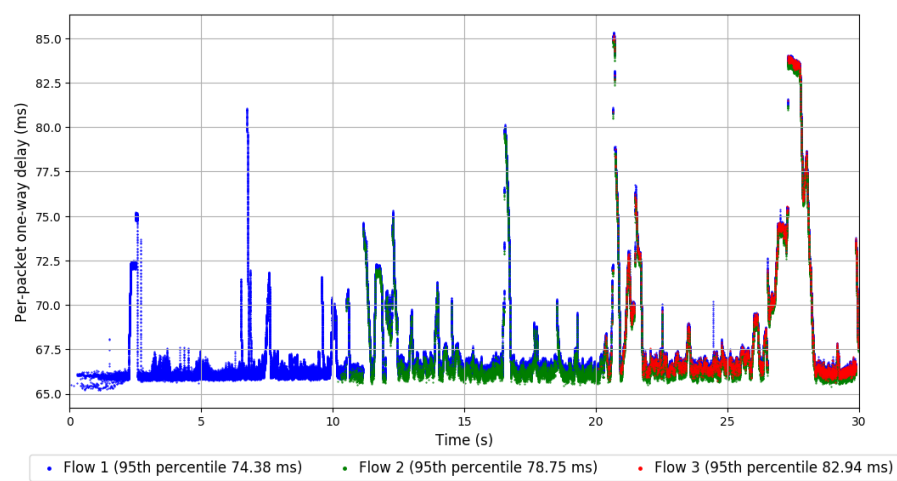
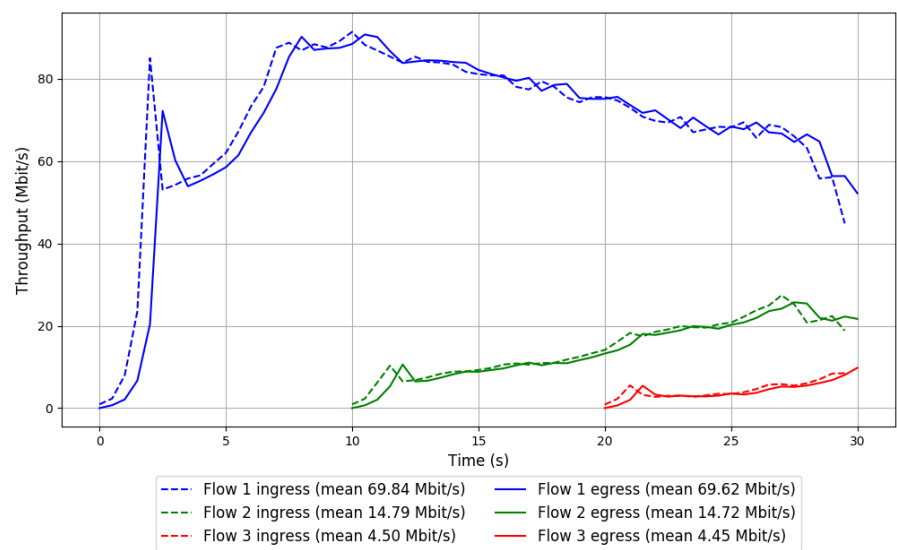


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-22 04:47:41
End at: 2018-05-22 04:48:11
Local clock offset: -0.71 ms
Remote clock offset: -0.713 ms

Below is generated by plot.py at 2018-05-22 07:13:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 80.88 Mbit/s
95th percentile per-packet one-way delay: 74.880 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 69.62 Mbit/s
95th percentile per-packet one-way delay: 74.381 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 14.72 Mbit/s
95th percentile per-packet one-way delay: 78.753 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 82.939 ms
Loss rate: 1.16%

Run 5: Report of PCC-Vivace — Data Link

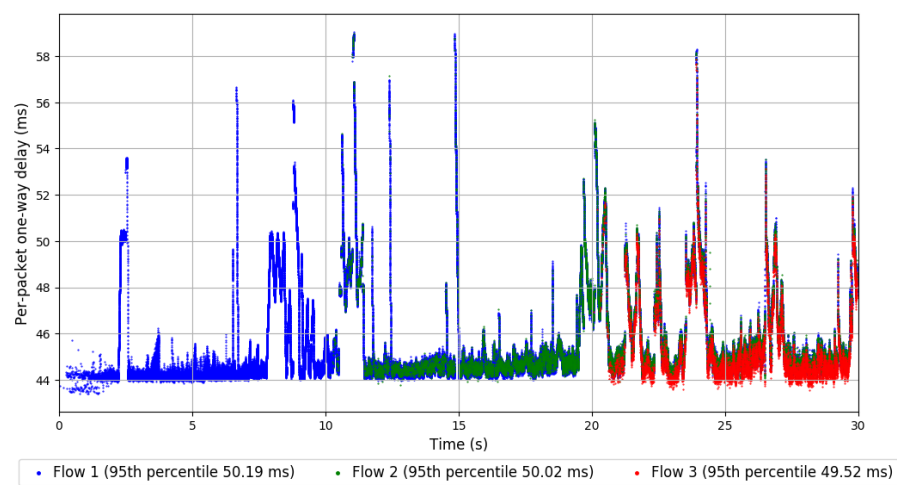
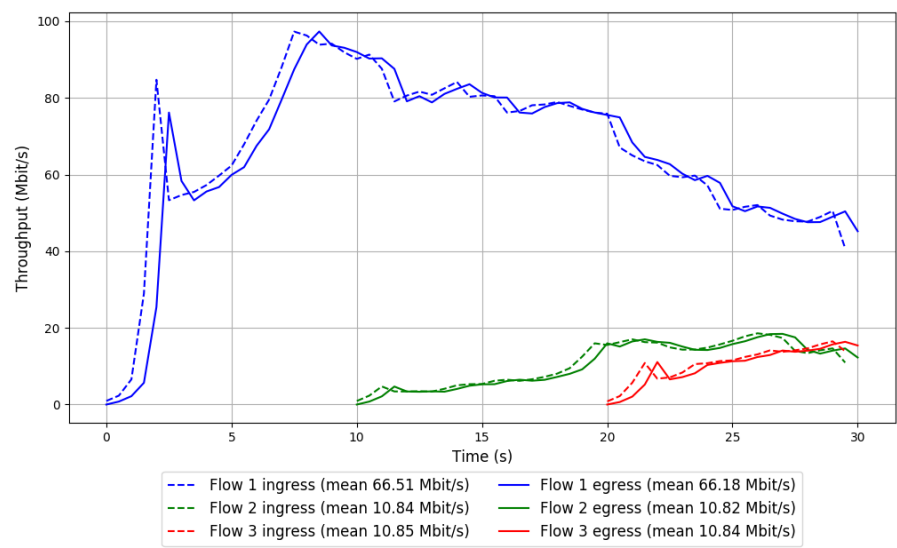


Run 6: Statistics of PCC-Vivace

Start at: 2018-05-22 05:09:41
End at: 2018-05-22 05:10:11
Local clock offset: -0.374 ms
Remote clock offset: -20.091 ms

Below is generated by plot.py at 2018-05-22 07:13:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 50.163 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 66.18 Mbit/s
95th percentile per-packet one-way delay: 50.193 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 50.016 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 49.518 ms
Loss rate: 0.06%

Run 6: Report of PCC-Vivace — Data Link

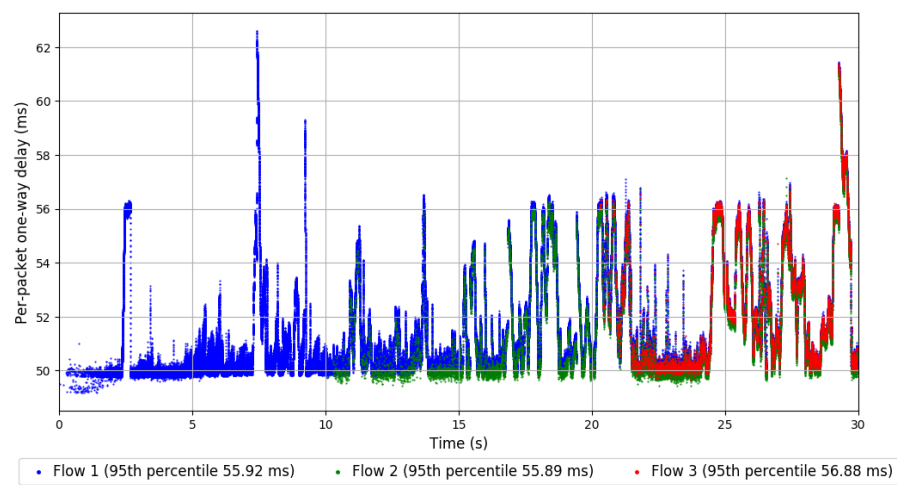
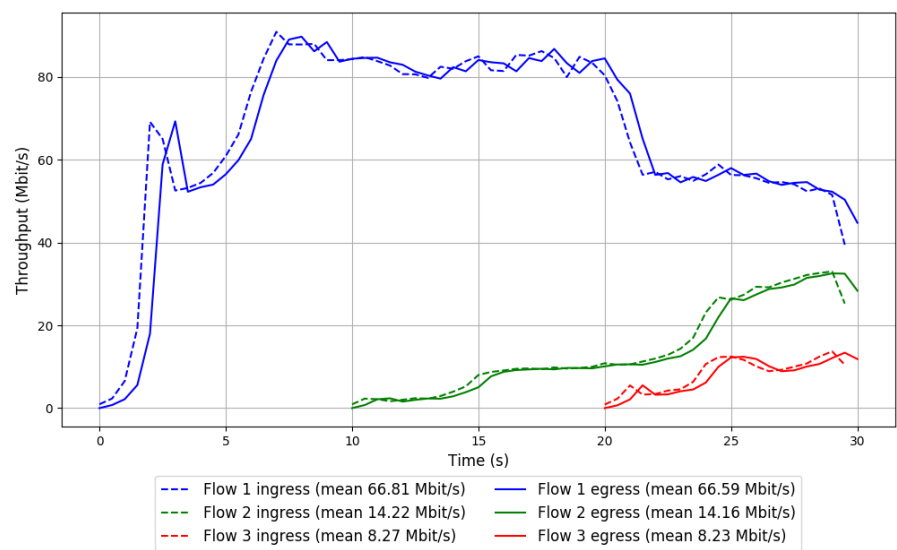


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-22 05:31:08
End at: 2018-05-22 05:31:38
Local clock offset: 0.851 ms
Remote clock offset: -16.207 ms

Below is generated by plot.py at 2018-05-22 07:14:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 55.934 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 66.59 Mbit/s
95th percentile per-packet one-way delay: 55.921 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 55.888 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 56.882 ms
Loss rate: 0.52%

Run 7: Report of PCC-Vivace — Data Link

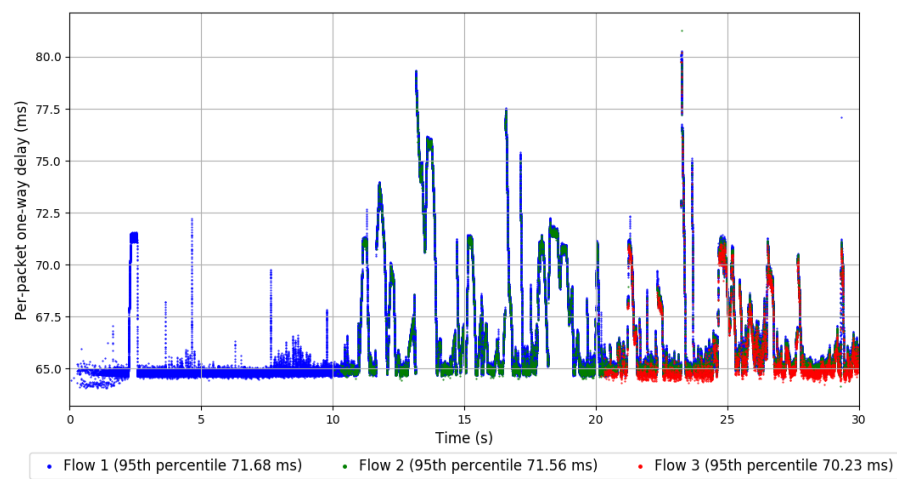
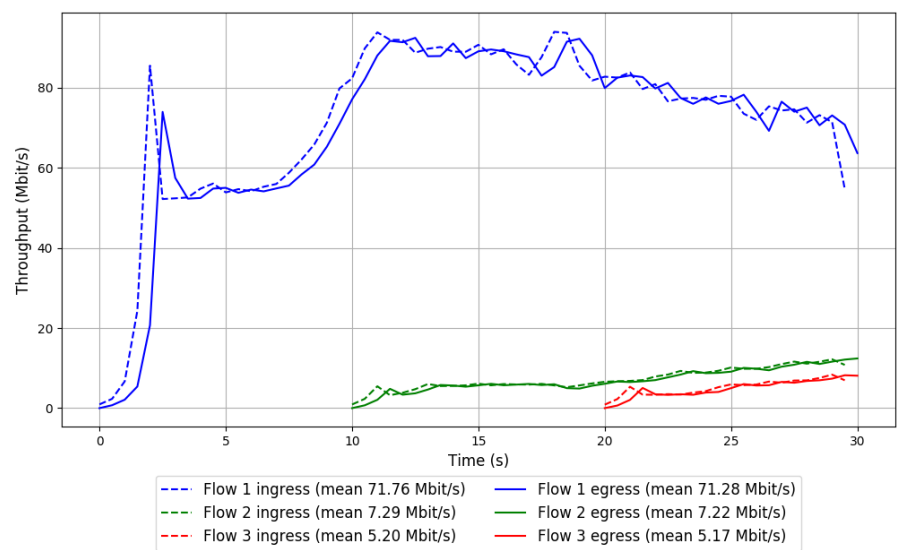


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-22 05:52:36
End at: 2018-05-22 05:53:06
Local clock offset: 2.906 ms
Remote clock offset: -0.896 ms

Below is generated by plot.py at 2018-05-22 07:14:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 71.646 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 71.680 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 71.556 ms
Loss rate: 0.99%
-- Flow 3:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 70.226 ms
Loss rate: 0.66%

Run 8: Report of PCC-Vivace — Data Link

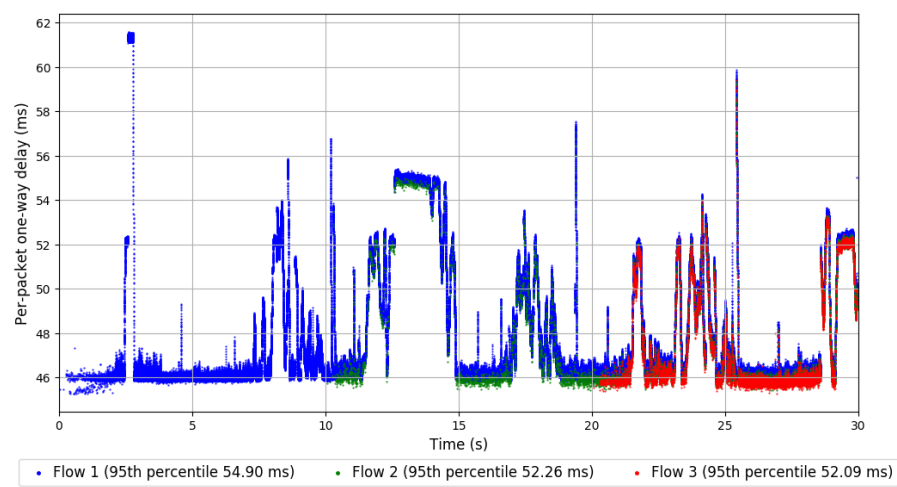
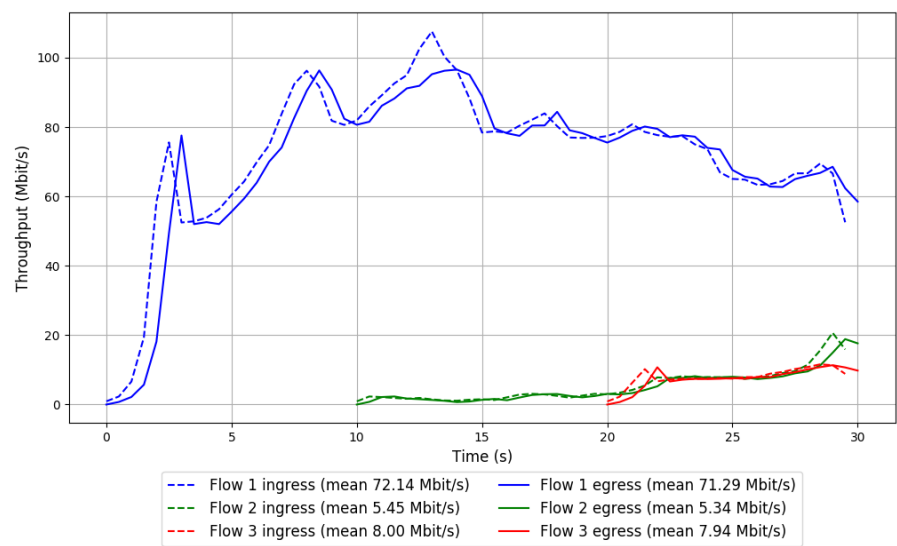


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-22 06:13:59
End at: 2018-05-22 06:14:29
Local clock offset: -0.124 ms
Remote clock offset: -18.165 ms

Below is generated by plot.py at 2018-05-22 07:14:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 54.882 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 71.29 Mbit/s
95th percentile per-packet one-way delay: 54.902 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 5.34 Mbit/s
95th percentile per-packet one-way delay: 52.258 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 52.086 ms
Loss rate: 0.69%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-05-22 06:39:34

End at: 2018-05-22 06:40:04

Local clock offset: 2.06 ms

Remote clock offset: -19.891 ms

Below is generated by plot.py at 2018-05-22 07:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 52.297 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 56.02 Mbit/s

95th percentile per-packet one-way delay: 51.892 ms

Loss rate: 0.87%

-- Flow 2:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 52.796 ms

Loss rate: 1.38%

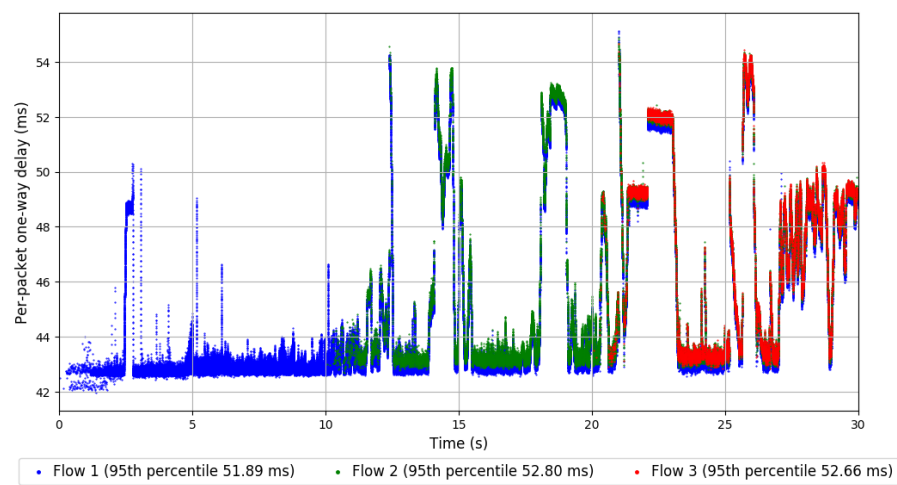
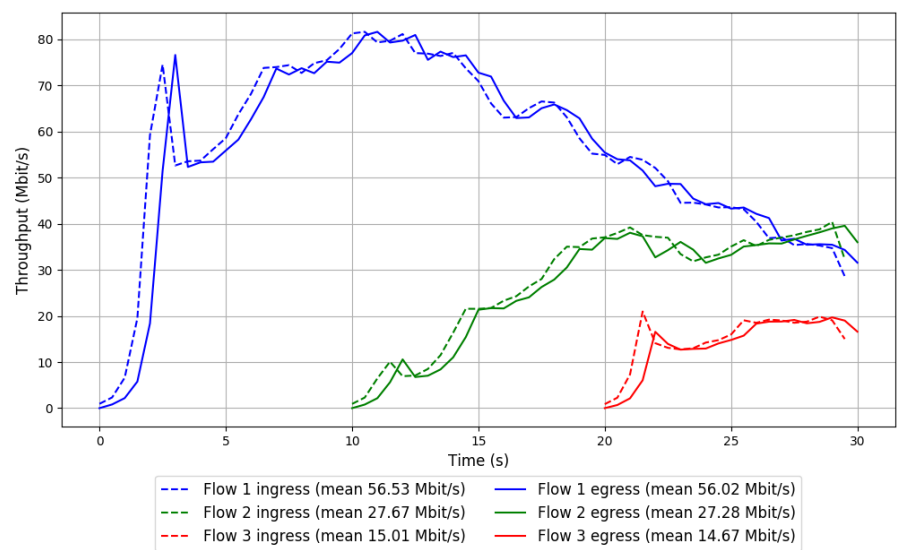
-- Flow 3:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 52.655 ms

Loss rate: 2.19%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-22 03:39:10

End at: 2018-05-22 03:39:40

Local clock offset: 3.071 ms

Remote clock offset: 0.441 ms

Below is generated by plot.py at 2018-05-22 07:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 68.604 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 67.905 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 68.912 ms

Loss rate: 0.00%

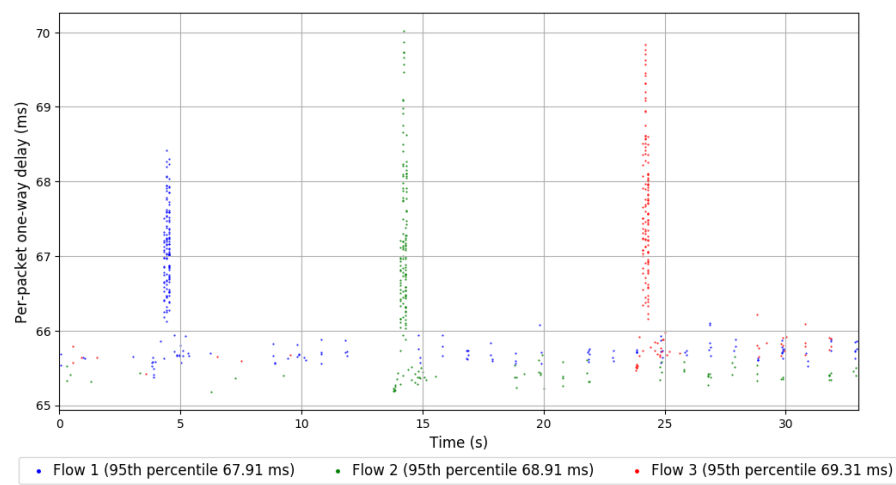
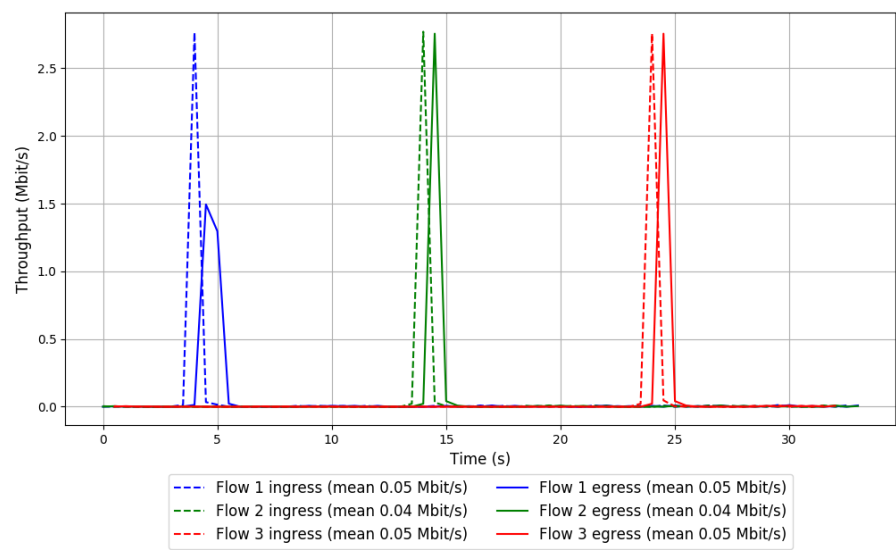
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 69.313 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

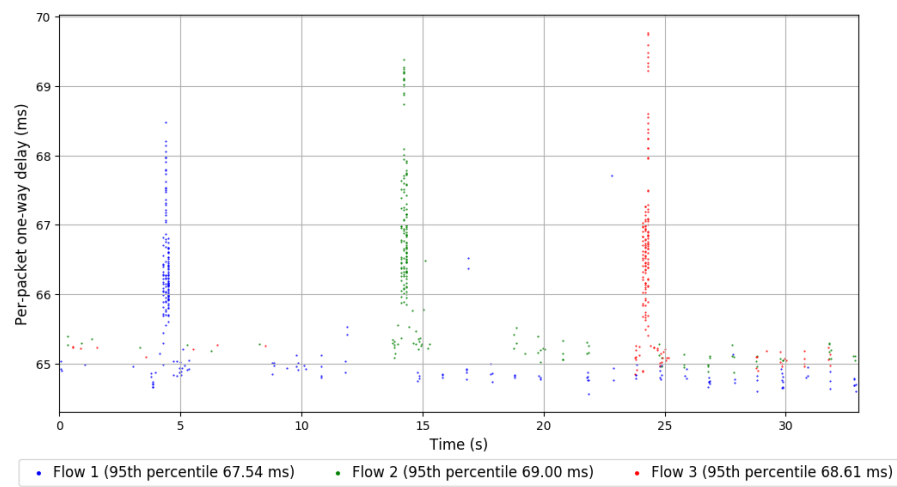
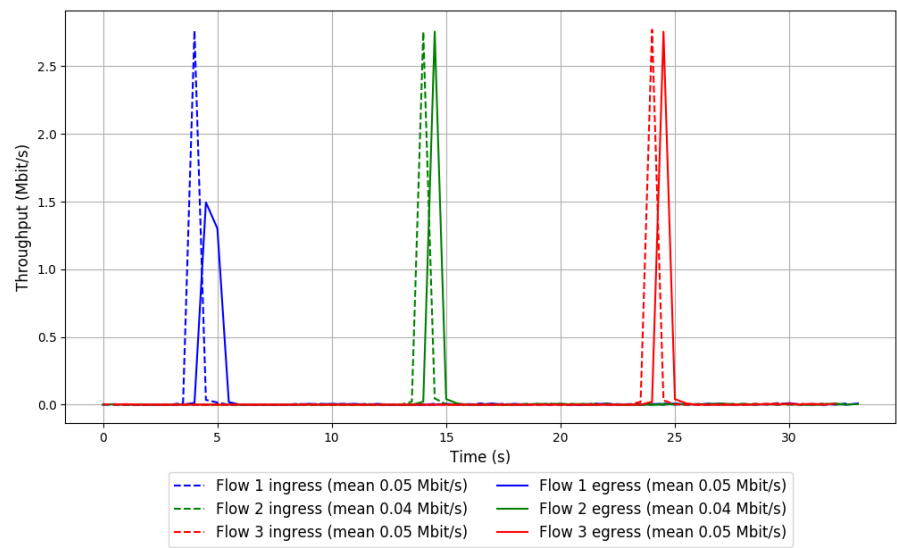


Run 2: Statistics of WebRTC media

Start at: 2018-05-22 04:00:41
End at: 2018-05-22 04:01:11
Local clock offset: 2.65 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 68.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.539 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 68.995 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.606 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

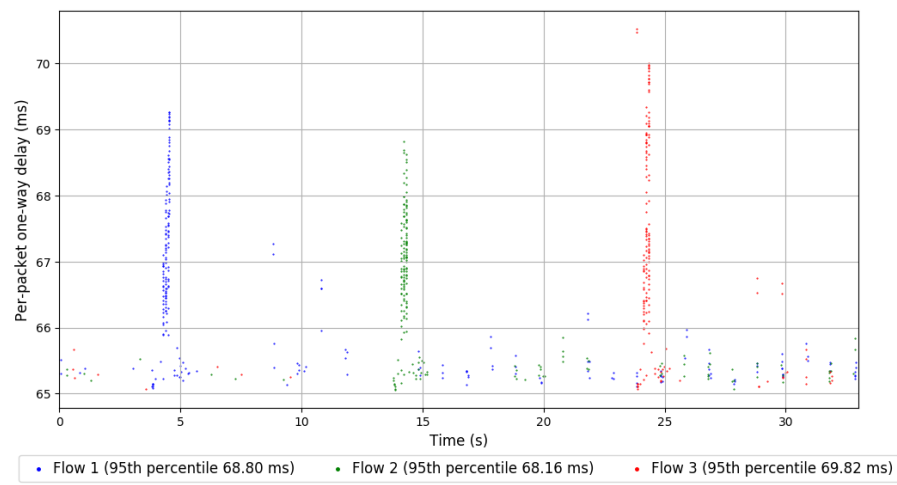
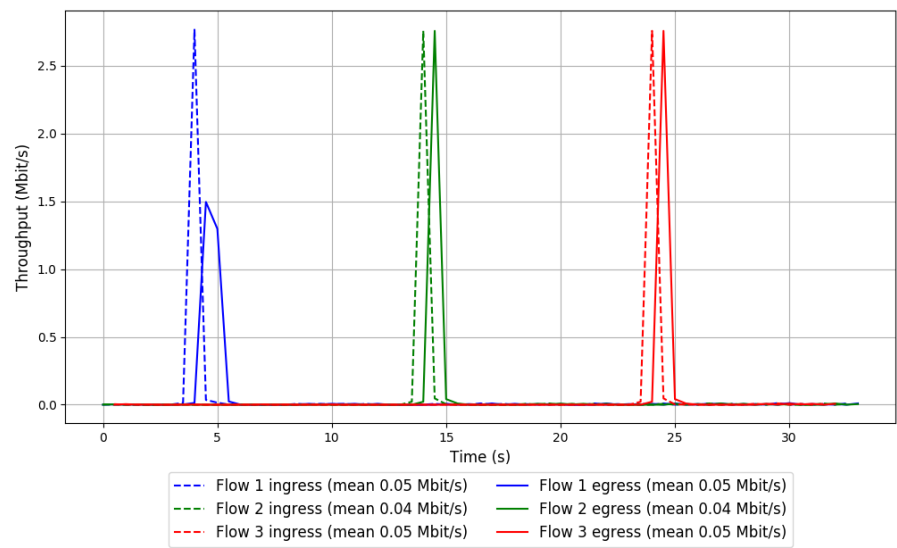


Run 3: Statistics of WebRTC media

Start at: 2018-05-22 04:22:10
End at: 2018-05-22 04:22:40
Local clock offset: -0.938 ms
Remote clock offset: -2.115 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 69.082 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.802 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 68.164 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.818 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

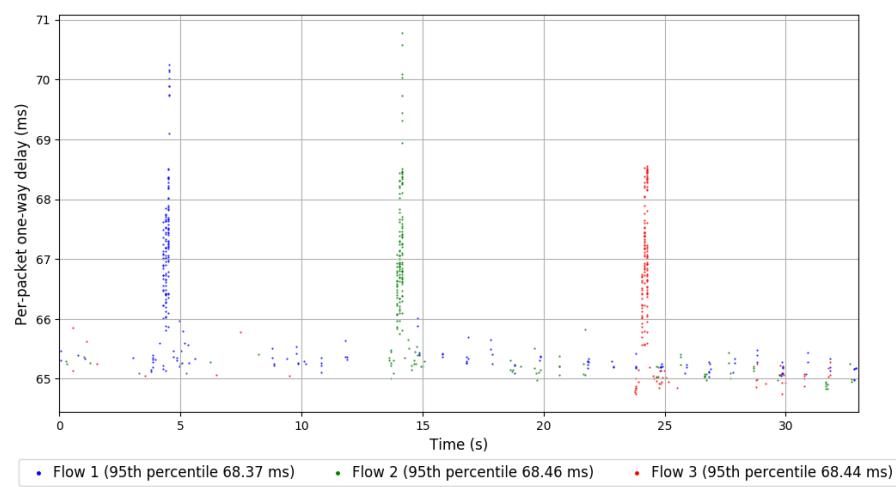
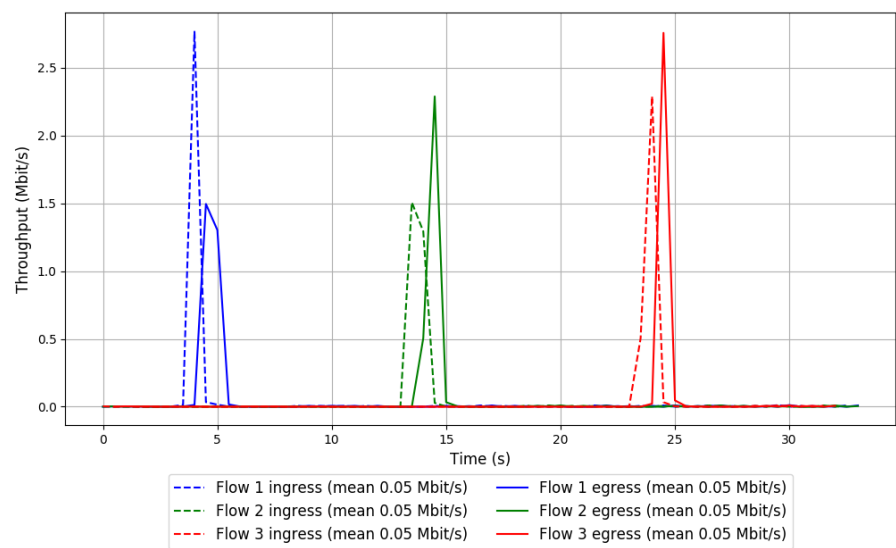


Run 4: Statistics of WebRTC media

Start at: 2018-05-22 04:43:36
End at: 2018-05-22 04:44:06
Local clock offset: -0.685 ms
Remote clock offset: -1.795 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 68.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.368 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.457 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 68.442 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

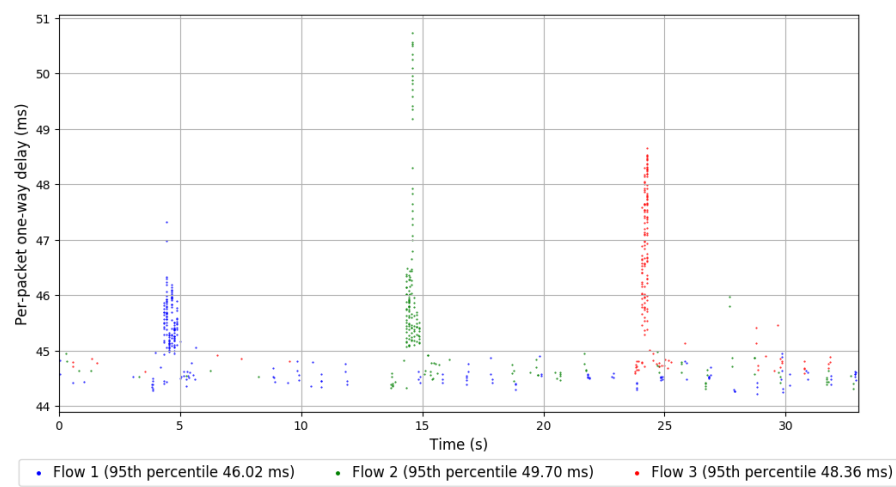
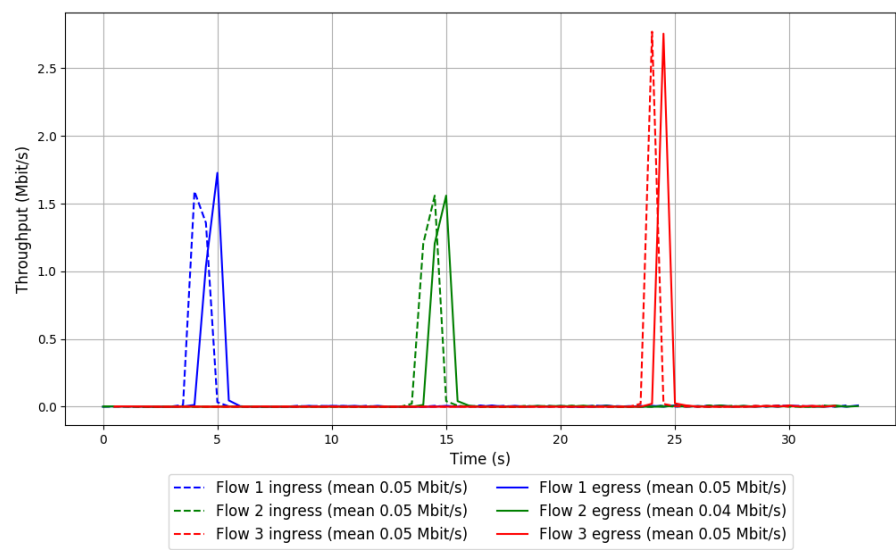


Run 5: Statistics of WebRTC media

Start at: 2018-05-22 05:05:35
End at: 2018-05-22 05:06:05
Local clock offset: -0.408 ms
Remote clock offset: -19.225 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 48.242 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 46.022 ms
Loss rate: 5.32%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 49.705 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 48.358 ms
Loss rate: 0.18%

Run 5: Report of WebRTC media — Data Link

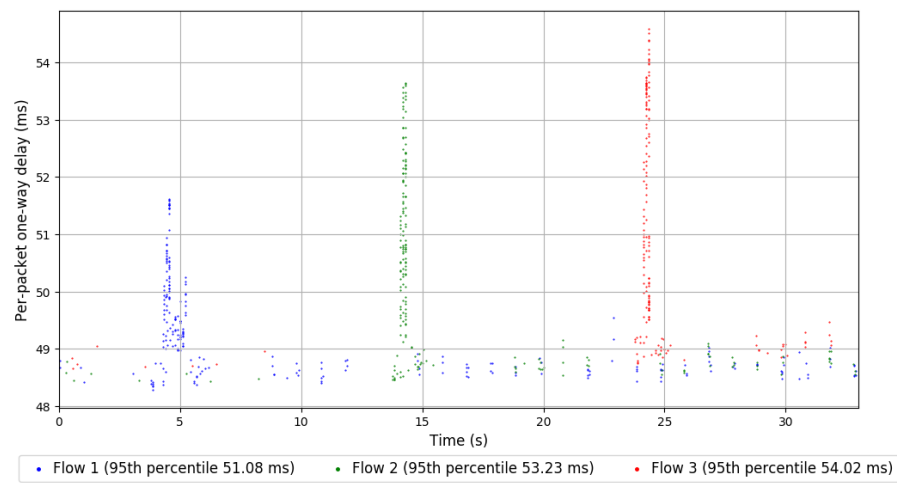
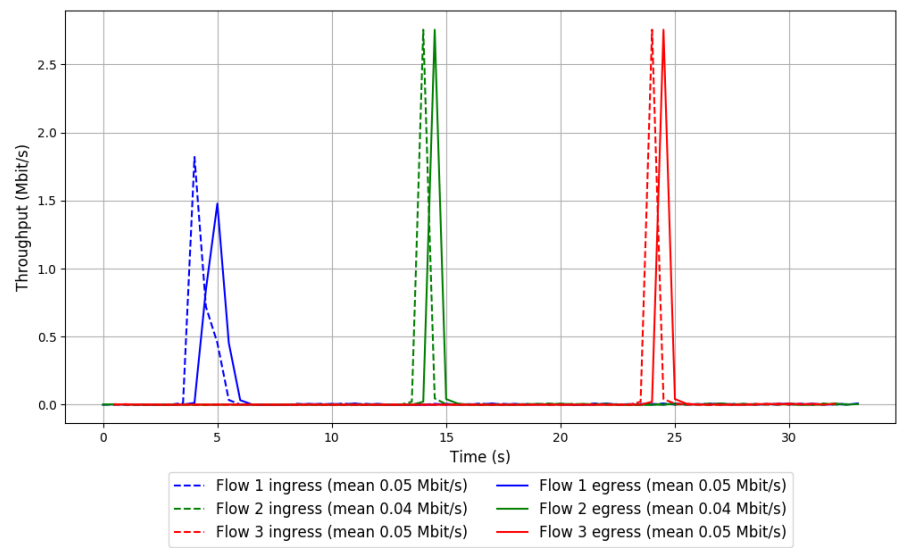


Run 6: Statistics of WebRTC media

Start at: 2018-05-22 05:27:04
End at: 2018-05-22 05:27:34
Local clock offset: -0.455 ms
Remote clock offset: -16.828 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 53.484 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 6.74%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 53.232 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 54.021 ms
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

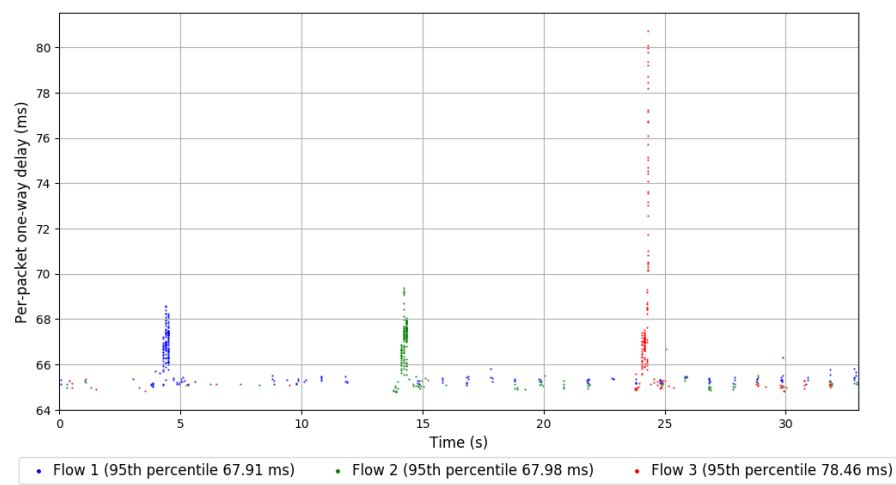
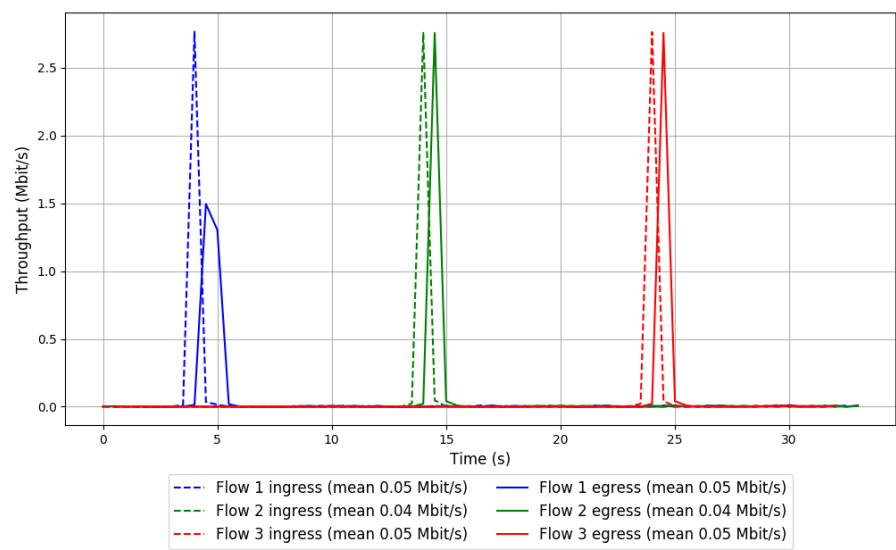


Run 7: Statistics of WebRTC media

Start at: 2018-05-22 05:48:31
End at: 2018-05-22 05:49:01
Local clock offset: 2.588 ms
Remote clock offset: -0.721 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 70.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 67.914 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 67.980 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 78.464 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

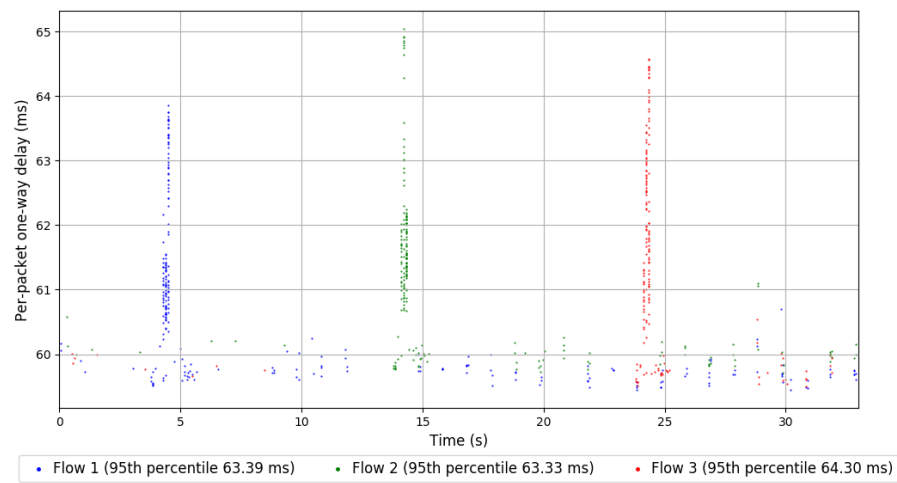
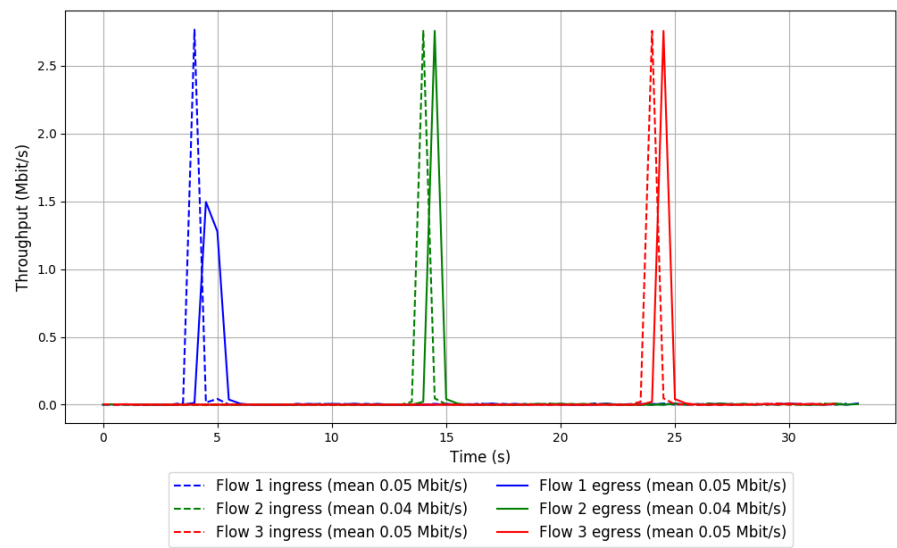


Run 8: Statistics of WebRTC media

Start at: 2018-05-22 06:09:55
End at: 2018-05-22 06:10:25
Local clock offset: 0.268 ms
Remote clock offset: -3.679 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 63.633 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.394 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 63.330 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 64.295 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

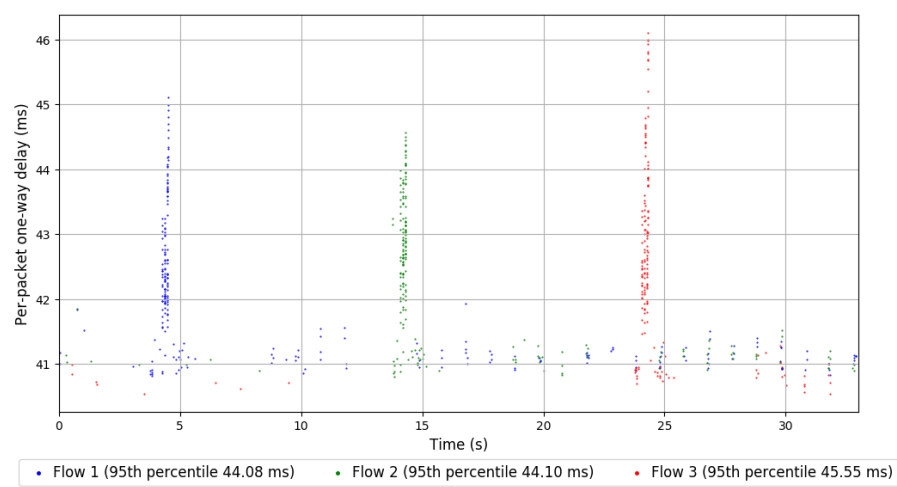
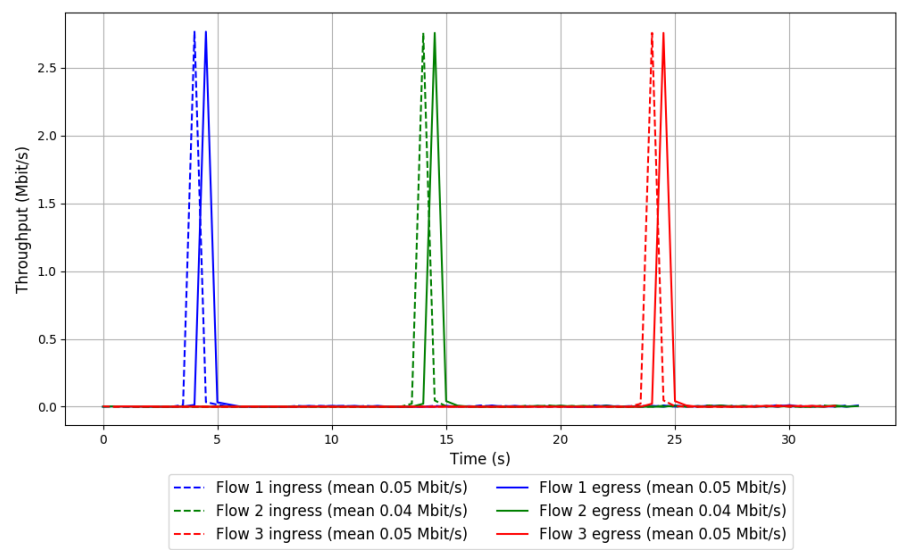


Run 9: Statistics of WebRTC media

Start at: 2018-05-22 06:35:27
End at: 2018-05-22 06:35:57
Local clock offset: 1.532 ms
Remote clock offset: -21.667 ms

Below is generated by plot.py at 2018-05-22 07:14:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 44.404 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 44.080 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.04 Mbit/s
95th percentile per-packet one-way delay: 44.097 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 45.554 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-22 06:56:56

End at: 2018-05-22 06:57:26

Local clock offset: 3.132 ms

Remote clock offset: 3.46 ms

Below is generated by plot.py at 2018-05-22 07:14:12

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 68.925 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 68.501 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 69.604 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.05 Mbit/s

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

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

