

Pantheon Report

Generated at 2018-05-25 11:02:35 (UTC).

Data path: China ppp0 ppp0 (*remote*) → AWS Korea Ethernet (*local*).

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.

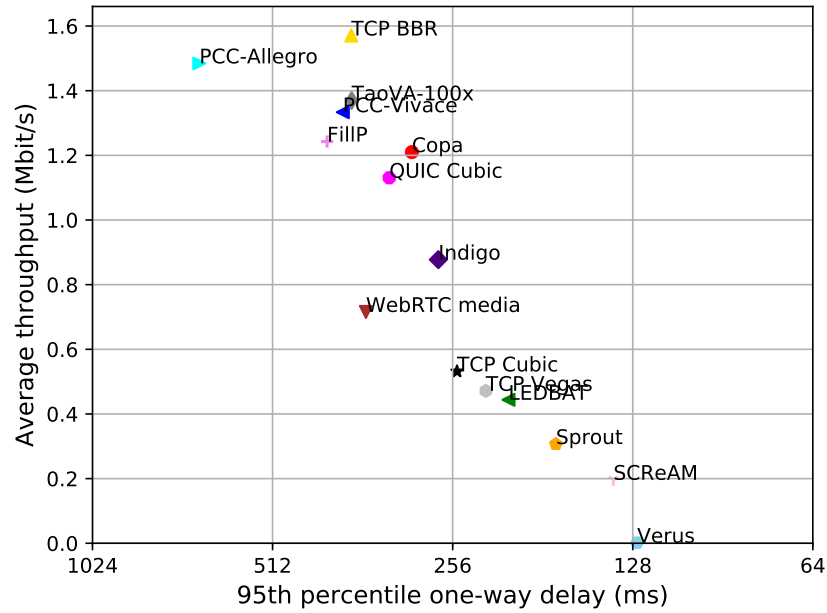
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

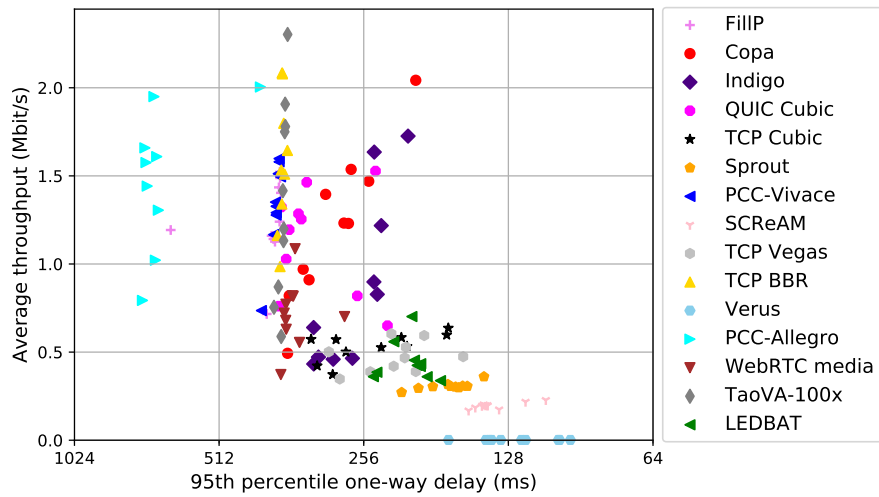
Git summary:

```
branch: master @ 0088822873ea99180f63545a341ef069f40efe59
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
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 China ppp0 to AWS Korea, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from China ppp0 to AWS Korea, 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	9	0.97	0.61	0.62	377.23	379.26	379.81	17.61	23.46	25.16
Copa	10	0.68	0.56	0.48	283.51	305.01	326.57	8.88	12.39	12.13
TCP Cubic	10	0.24	0.27	0.34	238.24	231.37	265.18	7.61	7.90	7.54
FillP	10	0.72	0.57	0.46	398.93	417.21	433.13	48.50	42.15	51.67
Indigo	10	0.40	0.42	0.61	260.19	279.11	852.68	9.55	10.88	11.50
LEDBAT	10	0.21	0.24	0.22	203.97	216.83	207.19	7.67	7.43	9.86
PCC-Allegro	9	0.87	0.69	0.57	502.94	678.15	786.03	70.81	79.50	90.07
PCC-Expr	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
QUIC Cubic	10	0.48	0.65	0.72	297.88	315.91	334.14	7.60	8.82	11.37
SCReAM	10	0.09	0.10	0.12	142.41	137.15	129.58	3.12	3.40	4.83
Sprout	10	0.15	0.15	0.17	169.83	167.62	185.74	6.70	6.87	7.61
TaoVA-100x	10	0.81	0.62	0.54	374.66	379.54	391.26	28.14	38.85	48.55
TCP Vegas	10	0.23	0.23	0.28	237.33	205.73	220.97	7.40	7.39	8.04
Verus	10	0.00	0.00	0.00	125.74	120.00	123.21	0.67	1.00	1.00
PCC-Vivace	10	0.76	0.65	0.48	389.71	390.88	392.72	44.56	52.36	64.11
WebRTC media	10	0.33	0.26	0.13	344.84	357.48	350.44	11.37	11.36	17.01

Run 1: Statistics of TCP BBR

Start at: 2018-05-25 07:34:11

End at: 2018-05-25 07:34:41

Local clock offset: 2.334 ms

Remote clock offset: 2.74 ms

Below is generated by plot.py at 2018-05-25 11:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 378.459 ms

Loss rate: 15.15%

-- Flow 1:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 376.579 ms

Loss rate: 13.81%

-- Flow 2:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 381.189 ms

Loss rate: 16.30%

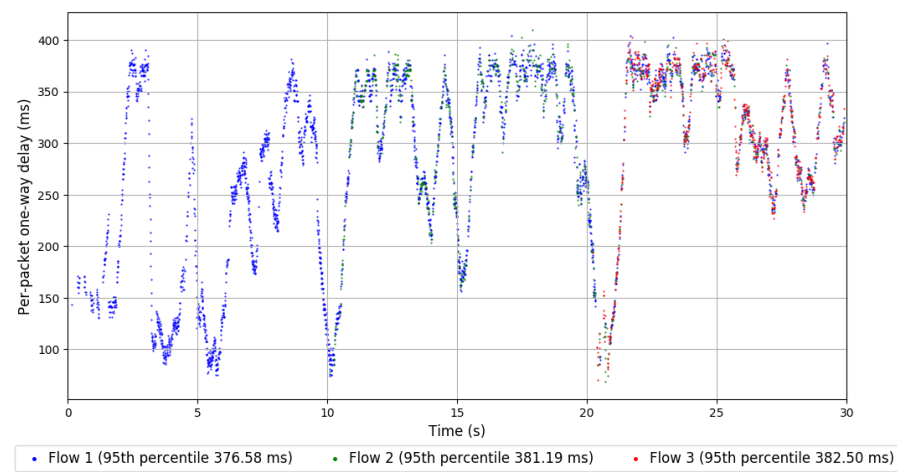
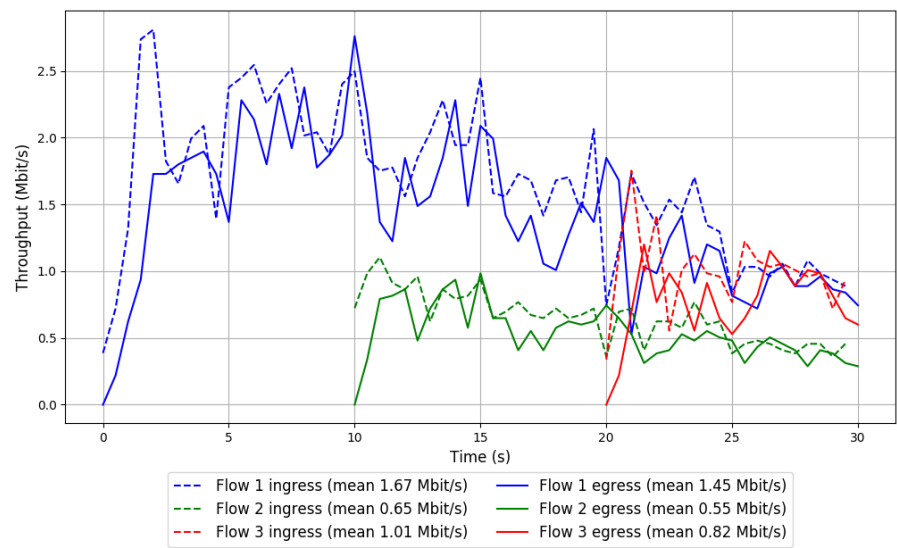
-- Flow 3:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 382.495 ms

Loss rate: 20.38%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-05-25 07:55:09

End at: 2018-05-25 07:55:39

Local clock offset: 0.654 ms

Remote clock offset: 2.532 ms

Below is generated by plot.py at 2018-05-25 11:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 379.053 ms

Loss rate: 26.02%

-- Flow 1:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 377.299 ms

Loss rate: 19.58%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 379.520 ms

Loss rate: 32.45%

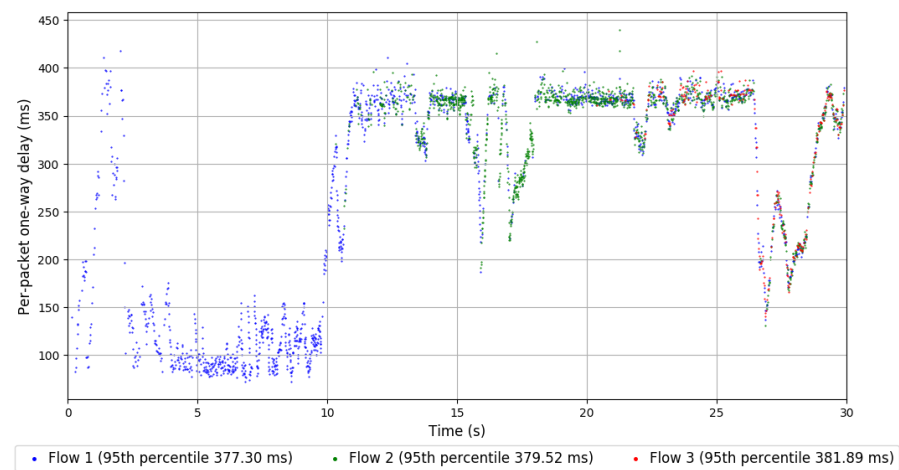
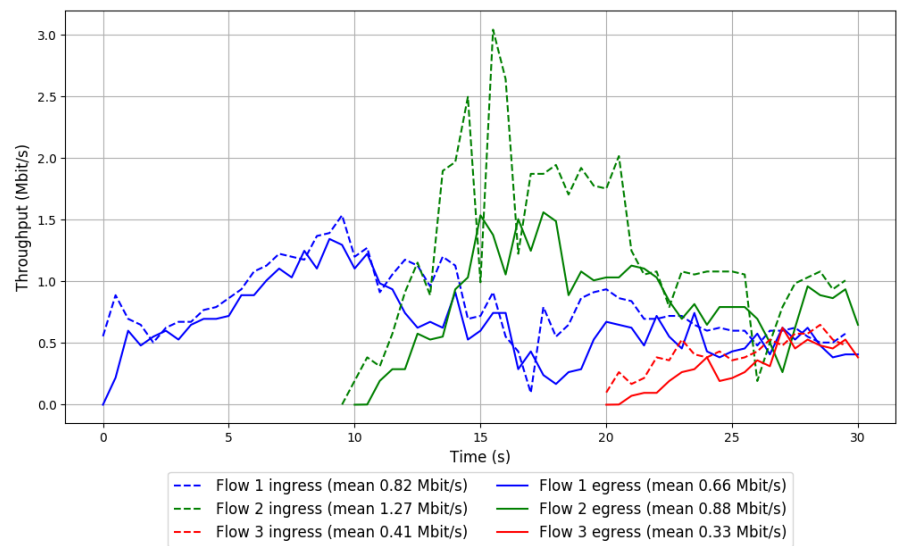
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 381.890 ms

Loss rate: 24.79%

Run 2: Report of TCP BBR — Data Link

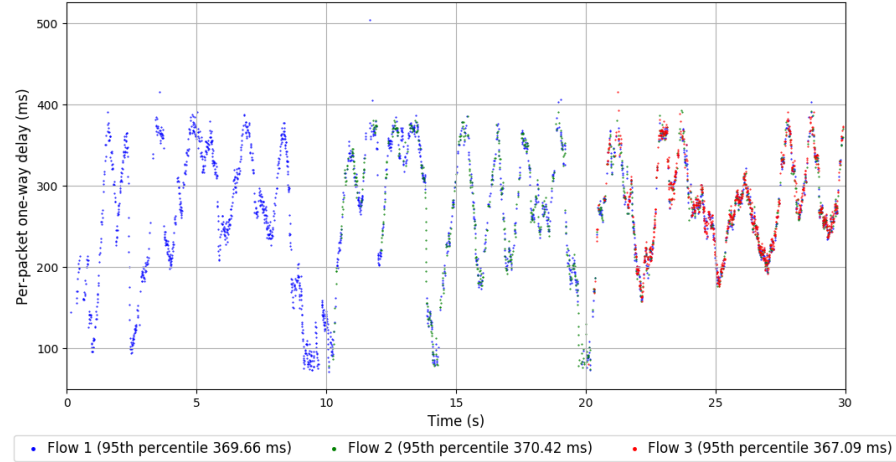
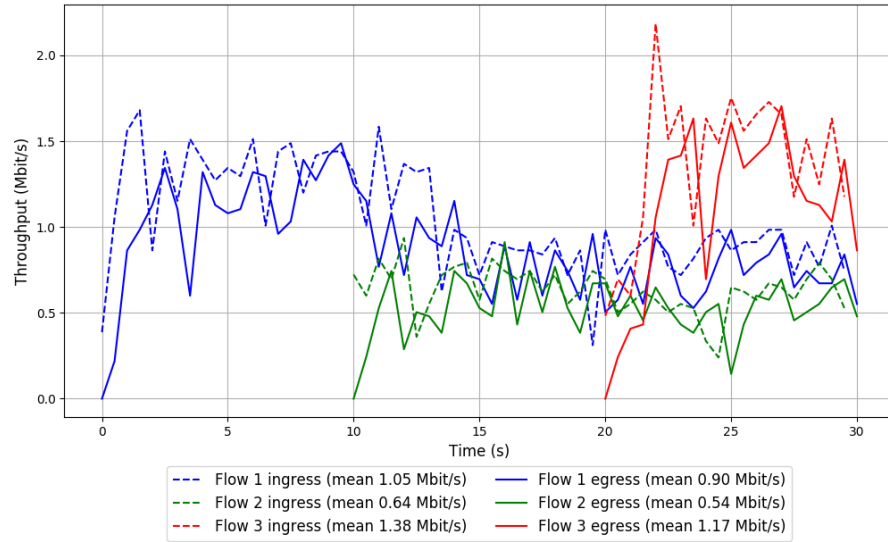


Run 3: Statistics of TCP BBR

Start at: 2018-05-25 08:15:59
End at: 2018-05-25 08:16:29
Local clock offset: 2.544 ms
Remote clock offset: -2.468 ms

Below is generated by plot.py at 2018-05-25 11:00:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 369.017 ms
Loss rate: 15.41%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 369.659 ms
Loss rate: 15.23%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 370.419 ms
Loss rate: 14.95%
-- Flow 3:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 367.086 ms
Loss rate: 16.26%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-05-25 08:40:30

End at: 2018-05-25 08:41:00

Local clock offset: 2.322 ms

Remote clock offset: 13.33 ms

Below is generated by plot.py at 2018-05-25 11:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 377.941 ms

Loss rate: 21.23%

-- Flow 1:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 374.680 ms

Loss rate: 15.95%

-- Flow 2:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 382.964 ms

Loss rate: 29.90%

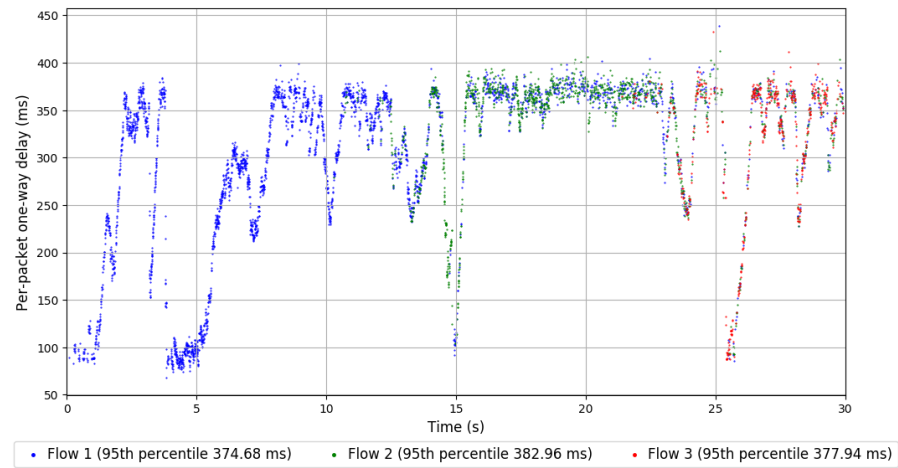
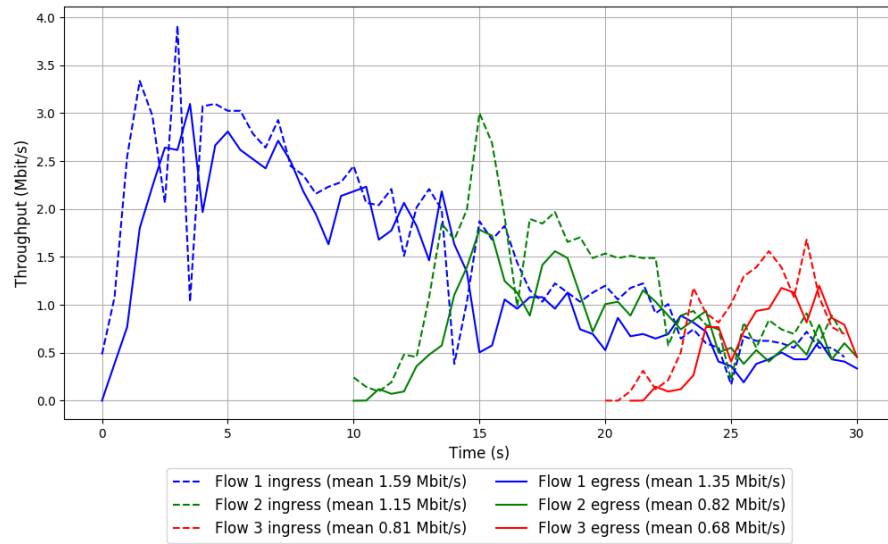
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 377.939 ms

Loss rate: 27.87%

Run 4: Report of TCP BBR — Data Link

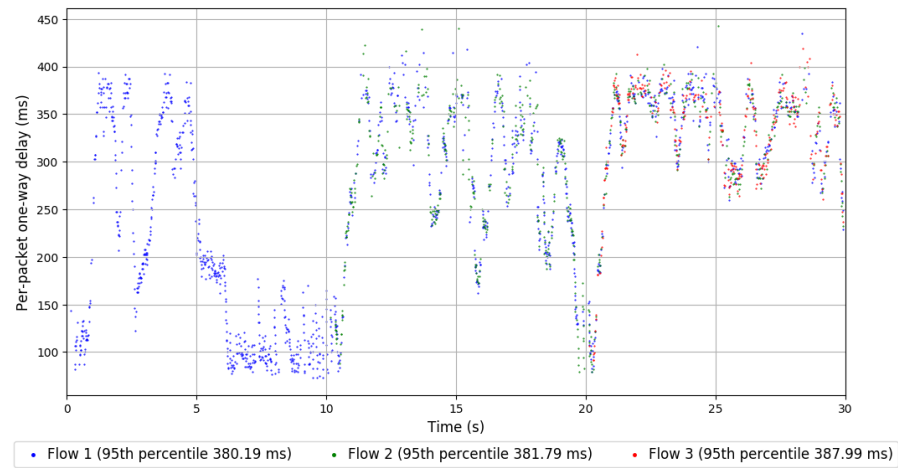
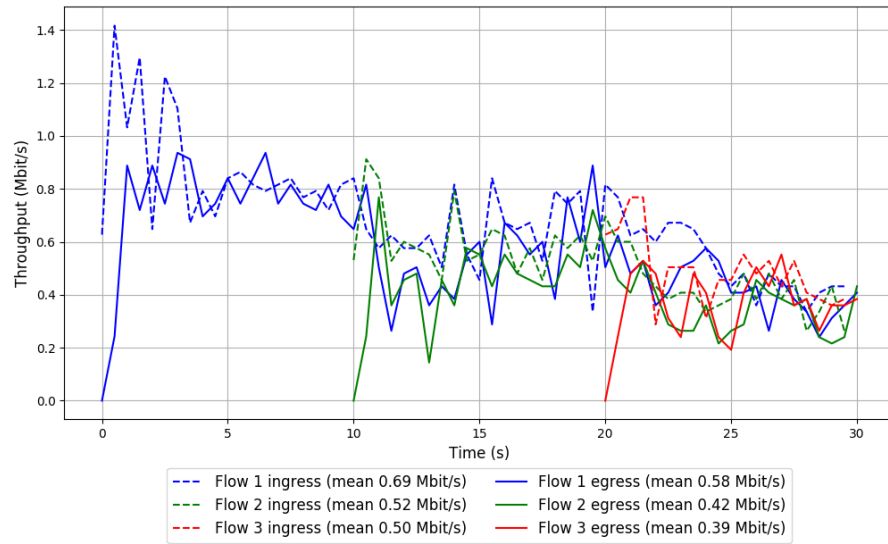


Run 5: Statistics of TCP BBR

Start at: 2018-05-25 09:01:22
End at: 2018-05-25 09:01:52
Local clock offset: 2.31 ms
Remote clock offset: 14.306 ms

Below is generated by plot.py at 2018-05-25 11:00:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.99 Mbit/s
95th percentile per-packet one-way delay: 382.324 ms
Loss rate: 18.07%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 380.191 ms
Loss rate: 15.76%
-- Flow 2:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 381.791 ms
Loss rate: 20.30%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 387.990 ms
Loss rate: 23.05%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-05-25 09:22:10

End at: 2018-05-25 09:22:40

Local clock offset: 2.068 ms

Remote clock offset: 6.468 ms

Below is generated by plot.py at 2018-05-25 11:00:44

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 379.939 ms

Loss rate: 21.41%

-- Flow 1:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 379.426 ms

Loss rate: 19.15%

-- Flow 2:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 381.861 ms

Loss rate: 27.11%

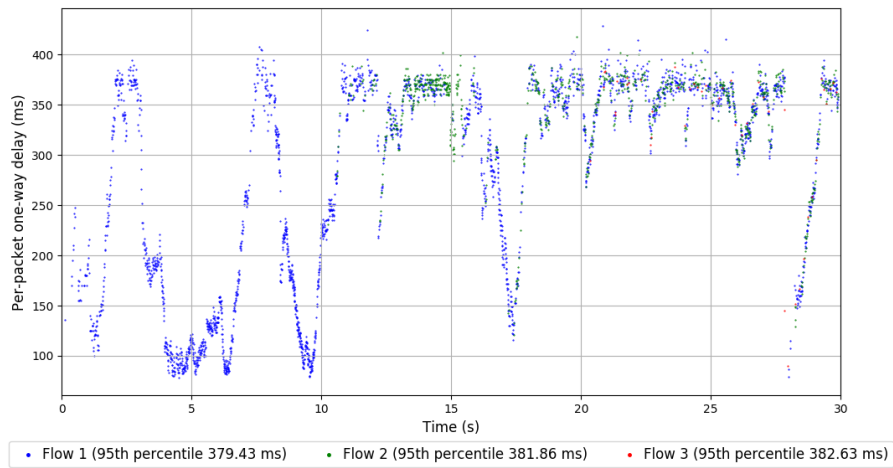
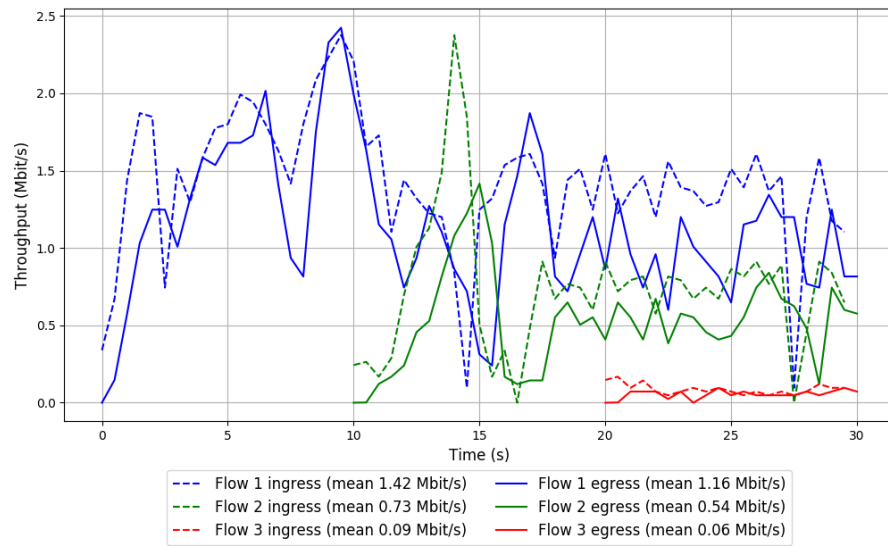
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 382.634 ms

Loss rate: 35.64%

Run 6: Report of TCP BBR — Data Link

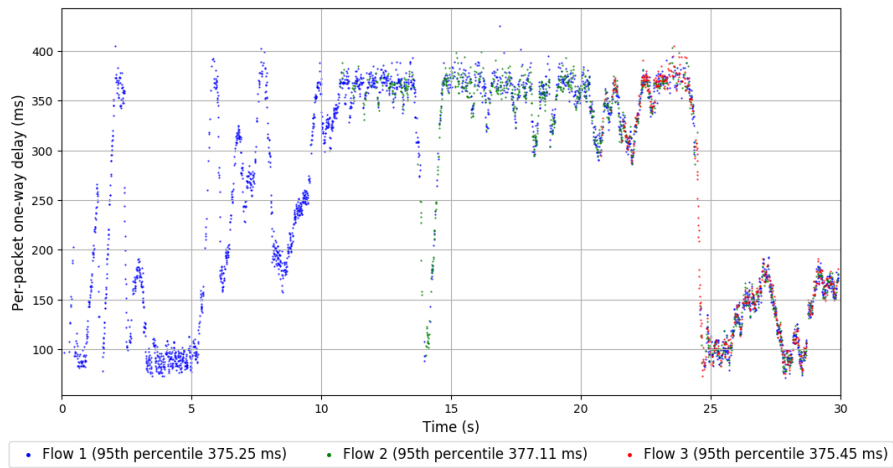
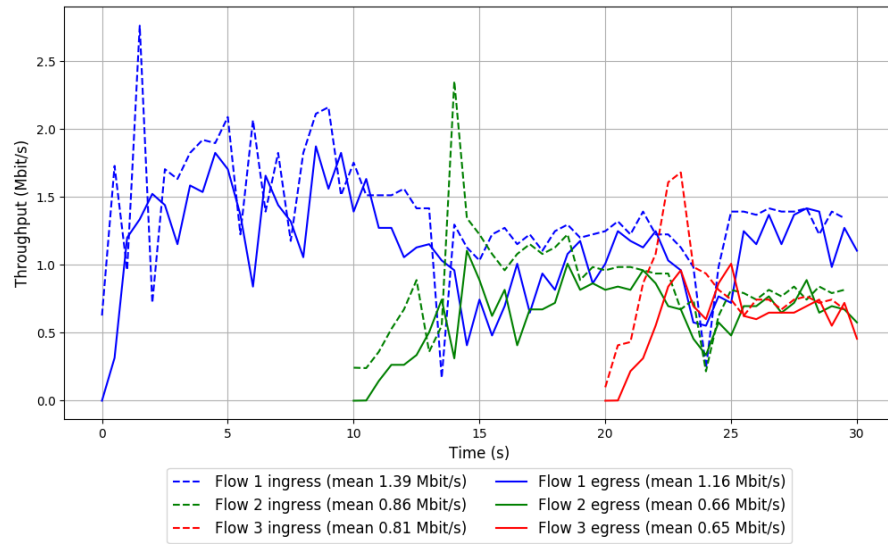


Run 7: Statistics of TCP BBR

Start at: 2018-05-25 09:43:01
End at: 2018-05-25 09:43:31
Local clock offset: 6.198 ms
Remote clock offset: 27.403 ms

Below is generated by plot.py at 2018-05-25 11:00:44
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.80 Mbit/s
95th percentile per-packet one-way delay: 375.610 ms
Loss rate: 19.67%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 375.249 ms
Loss rate: 16.75%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 377.113 ms
Loss rate: 25.17%
-- Flow 3:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 375.454 ms
Loss rate: 22.98%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

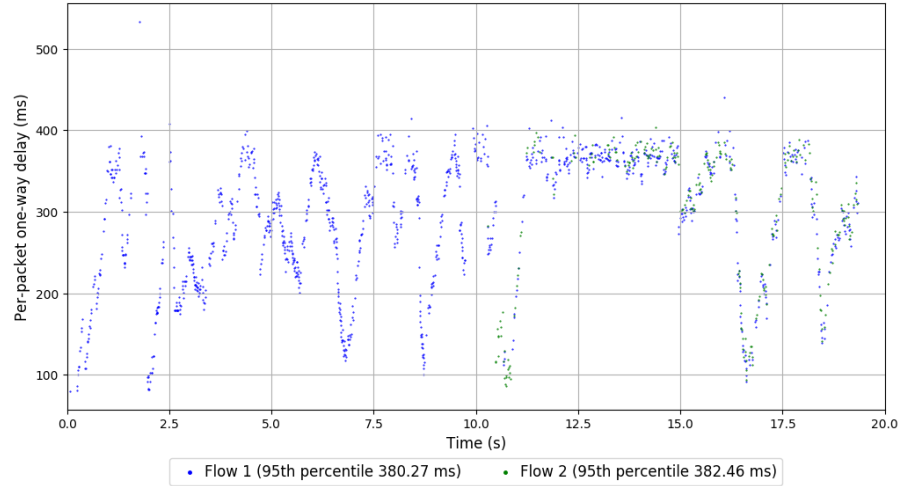
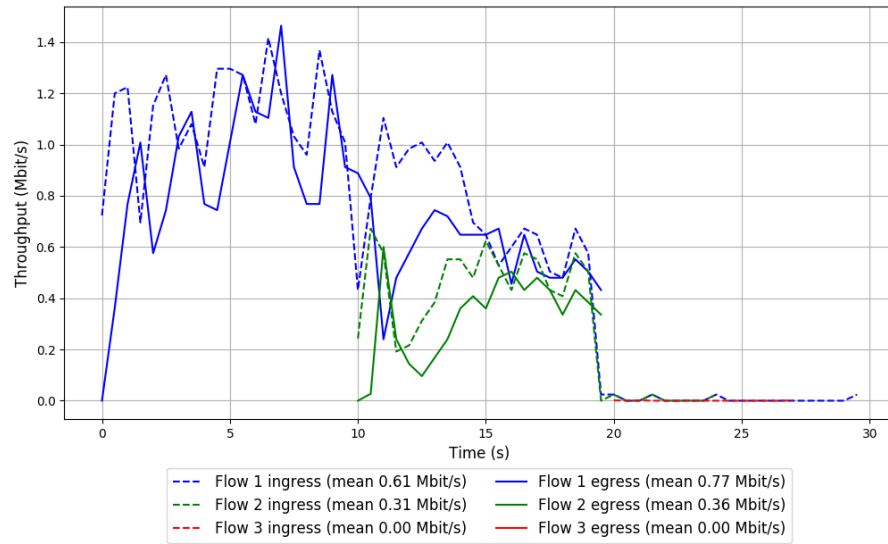
Start at: 2018-05-25 10:03:50

End at: 2018-05-25 10:04:20

Local clock offset: 6.747 ms

Remote clock offset: 40.065 ms

Run 8: Report of TCP BBR — Data Link

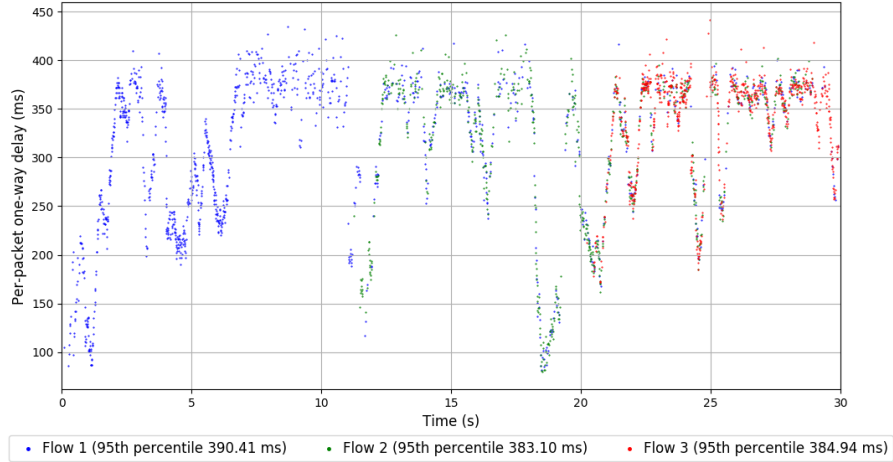
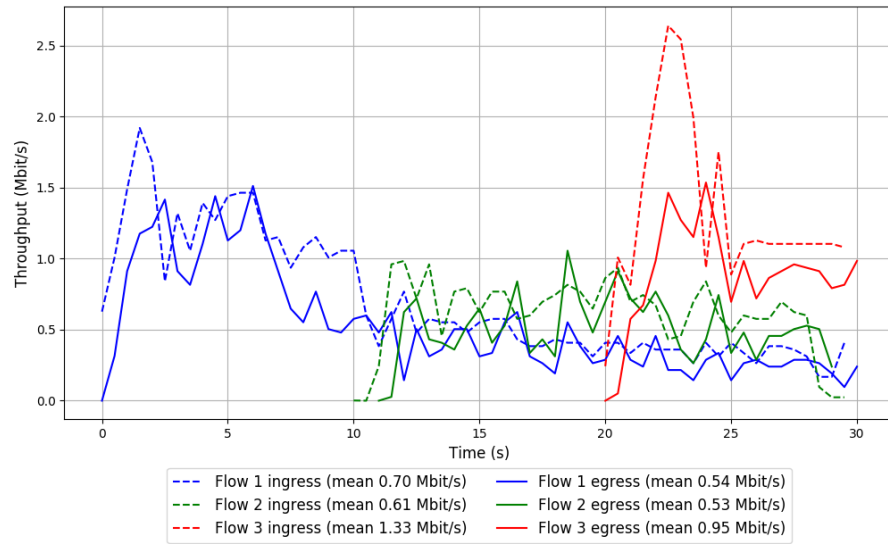


Run 9: Statistics of TCP BBR

Start at: 2018-05-25 10:24:39
End at: 2018-05-25 10:25:09
Local clock offset: 7.113 ms
Remote clock offset: 58.832 ms

Below is generated by plot.py at 2018-05-25 11:00:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 387.124 ms
Loss rate: 25.02%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 390.414 ms
Loss rate: 23.26%
-- Flow 2:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 383.097 ms
Loss rate: 22.29%
-- Flow 3:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 384.936 ms
Loss rate: 30.31%

Run 9: Report of TCP BBR — Data Link

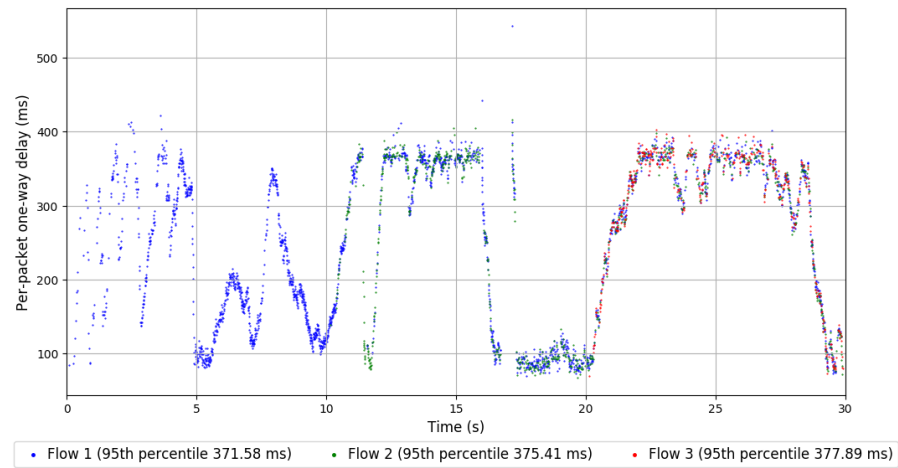
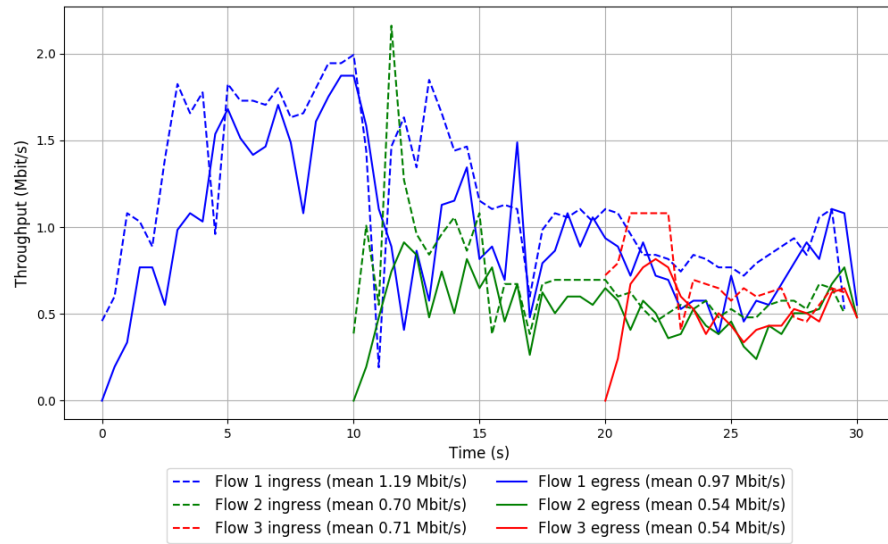


Run 10: Statistics of TCP BBR

Start at: 2018-05-25 10:45:28
End at: 2018-05-25 10:45:58
Local clock offset: 6.957 ms
Remote clock offset: 51.832 ms

Below is generated by plot.py at 2018-05-25 11:00:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 374.062 ms
Loss rate: 20.65%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 371.577 ms
Loss rate: 18.96%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 375.413 ms
Loss rate: 22.71%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 377.893 ms
Loss rate: 25.16%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-05-25 07:28:58

End at: 2018-05-25 07:29:28

Local clock offset: 3.867 ms

Remote clock offset: 1.813 ms

Below is generated by plot.py at 2018-05-25 11:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 365.846 ms

Loss rate: 8.51%

-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 363.184 ms

Loss rate: 9.15%

-- Flow 2:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 367.991 ms

Loss rate: 6.60%

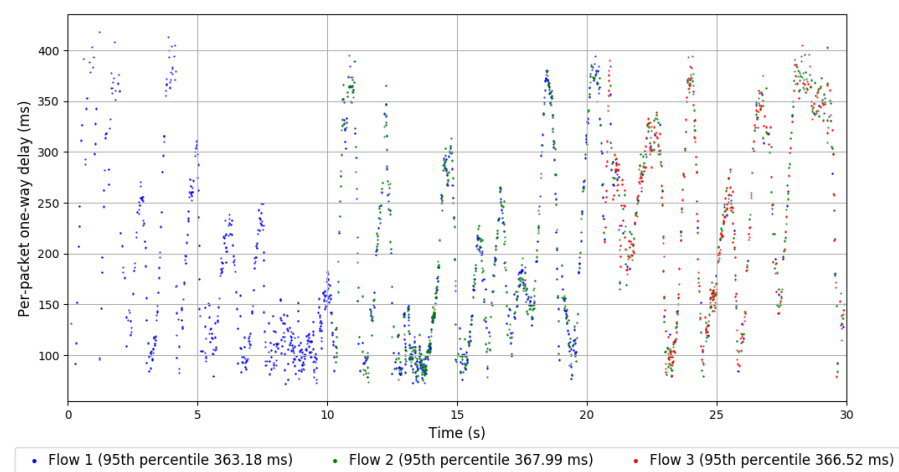
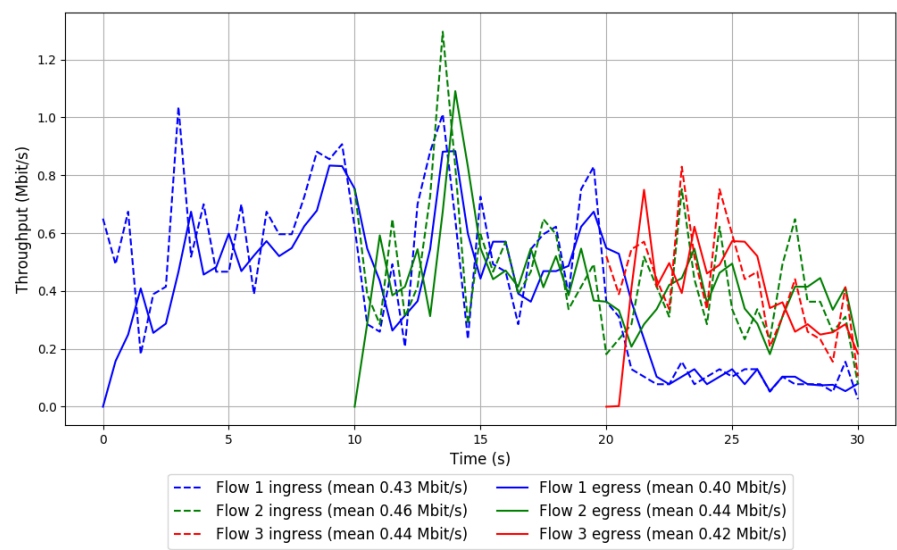
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 366.519 ms

Loss rate: 10.64%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-05-25 07:49:56

End at: 2018-05-25 07:50:26

Local clock offset: 0.777 ms

Remote clock offset: 5.496 ms

Below is generated by plot.py at 2018-05-25 11:00:47

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 368.746 ms

Loss rate: 31.61%

-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 366.113 ms

Loss rate: 21.29%

-- Flow 2:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 377.914 ms

Loss rate: 57.26%

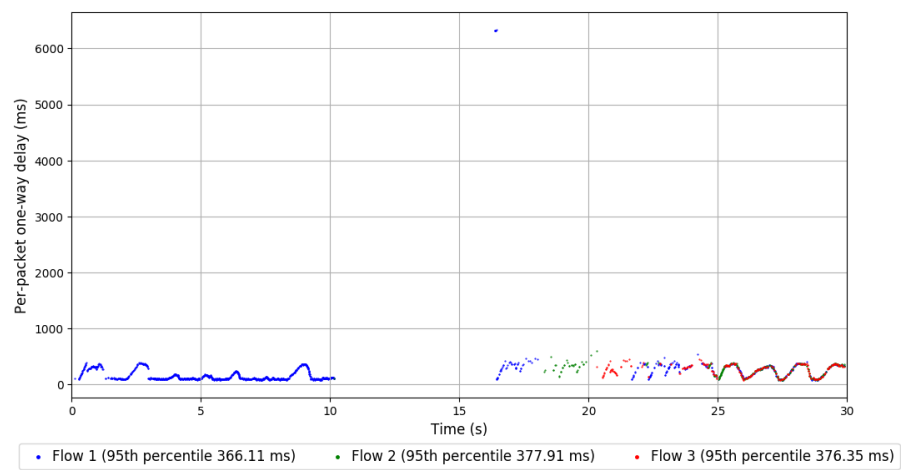
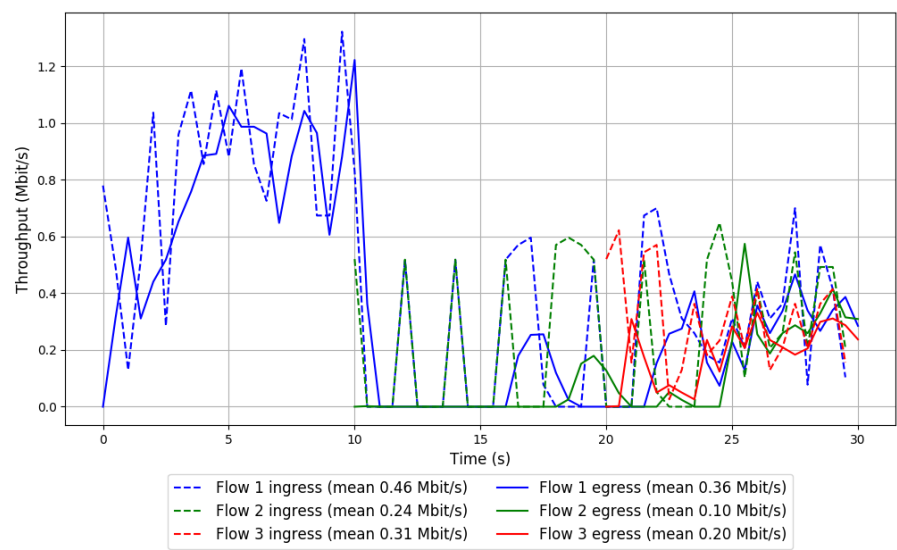
-- Flow 3:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 376.347 ms

Loss rate: 38.09%

Run 2: Report of Copa — Data Link

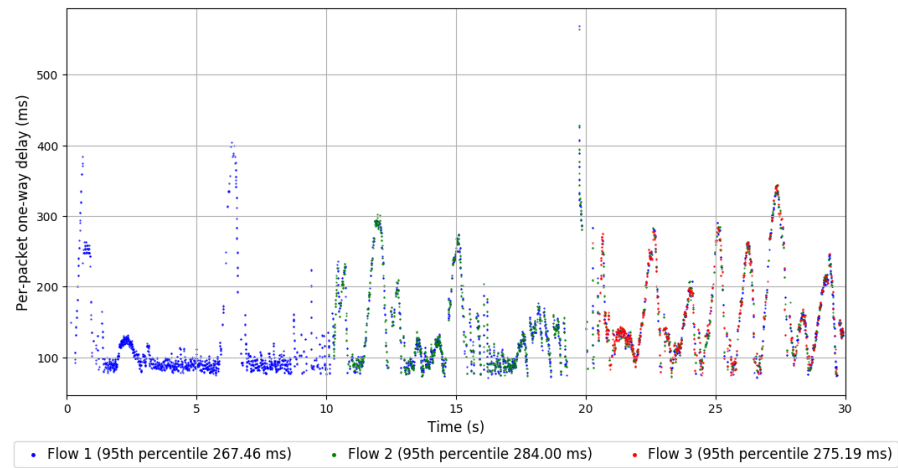
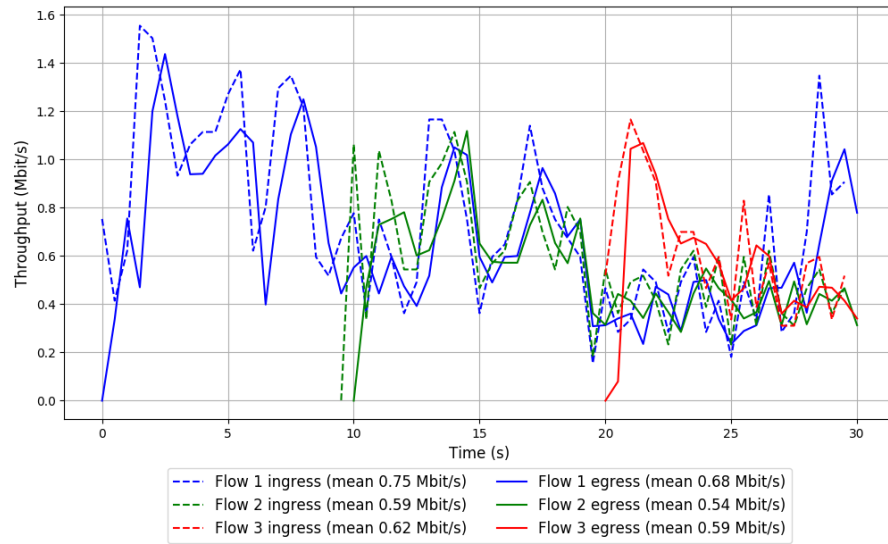


Run 3: Statistics of Copa

Start at: 2018-05-25 08:10:46
End at: 2018-05-25 08:11:16
Local clock offset: 2.423 ms
Remote clock offset: -2.498 ms

Below is generated by plot.py at 2018-05-25 11:00:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 275.450 ms
Loss rate: 9.09%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 267.464 ms
Loss rate: 9.73%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 284.000 ms
Loss rate: 8.94%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 275.192 ms
Loss rate: 7.08%

Run 3: Report of Copa — Data Link

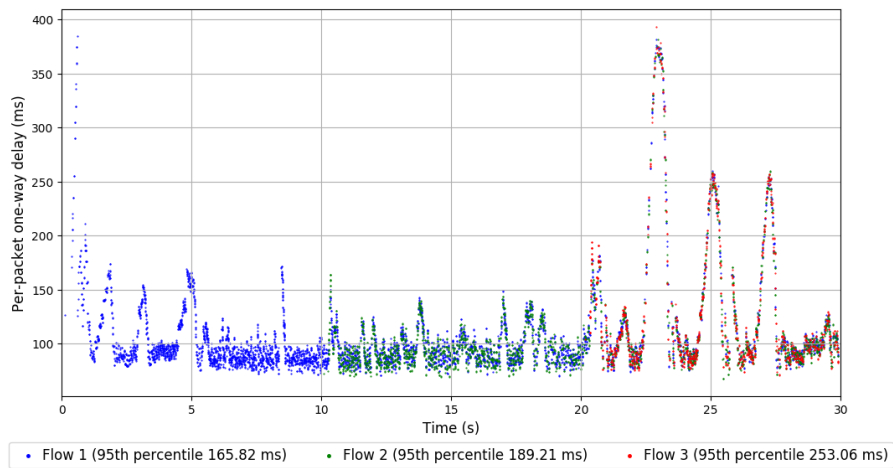
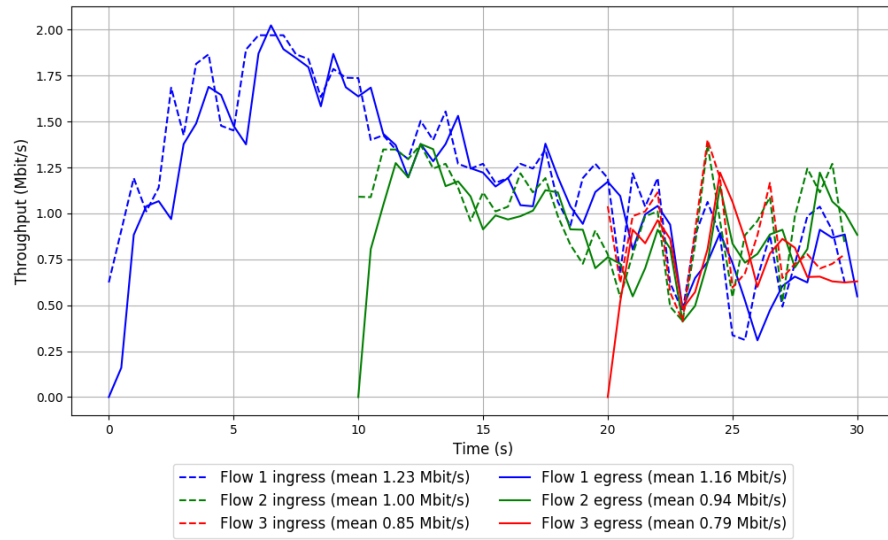


Run 4: Statistics of Copa

Start at: 2018-05-25 08:34:57
End at: 2018-05-25 08:35:27
Local clock offset: 2.308 ms
Remote clock offset: 10.621 ms

Below is generated by plot.py at 2018-05-25 11:00:56
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 199.513 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 165.816 ms
Loss rate: 6.01%
-- Flow 2:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 189.211 ms
Loss rate: 6.82%
-- Flow 3:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 253.065 ms
Loss rate: 9.33%

Run 4: Report of Copa — Data Link

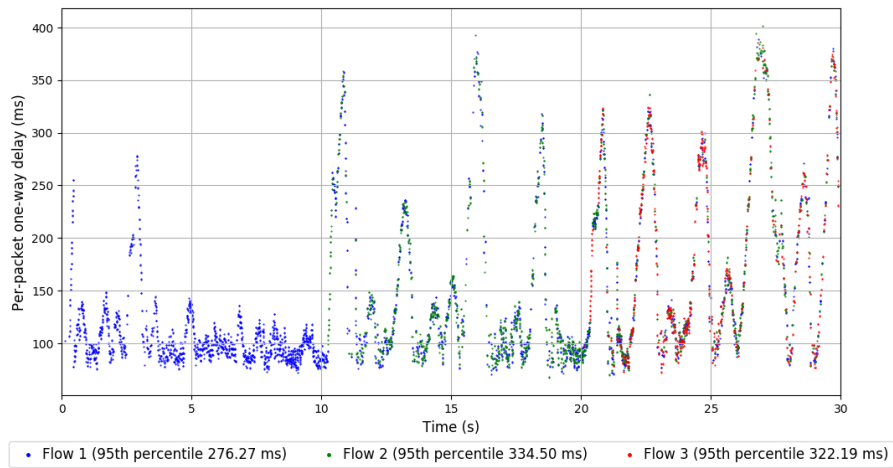
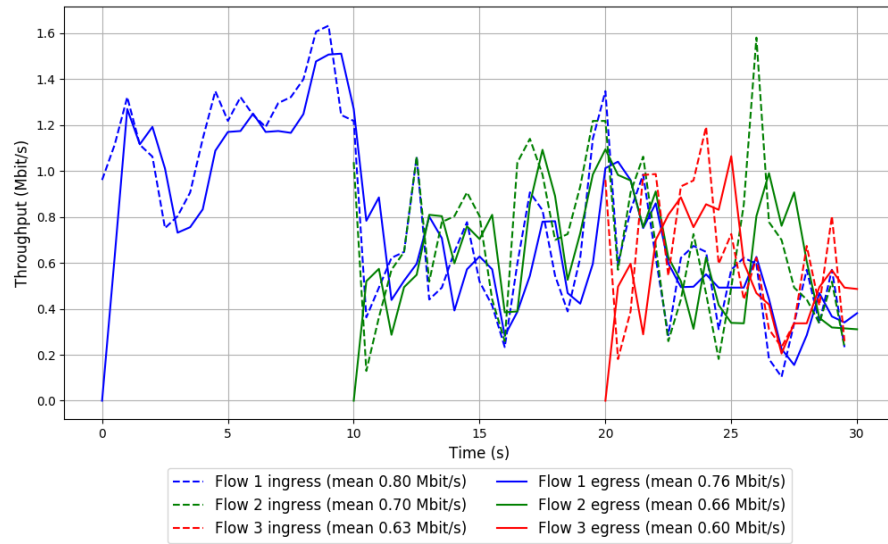


Run 5: Statistics of Copa

Start at: 2018-05-25 08:56:09
End at: 2018-05-25 08:56:39
Local clock offset: 2.34 ms
Remote clock offset: 17.748 ms

```
# Below is generated by plot.py at 2018-05-25 11:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 307.283 ms
Loss rate: 6.09%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 276.270 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 334.505 ms
Loss rate: 7.07%
-- Flow 3:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 322.192 ms
Loss rate: 6.82%
```

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-05-25 09:16:58

End at: 2018-05-25 09:17:28

Local clock offset: 2.137 ms

Remote clock offset: 7.343 ms

Below is generated by plot.py at 2018-05-25 11:00:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 281.472 ms

Loss rate: 5.19%

-- Flow 1:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 281.472 ms

Loss rate: 5.57%

-- Flow 2:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 269.780 ms

Loss rate: 4.52%

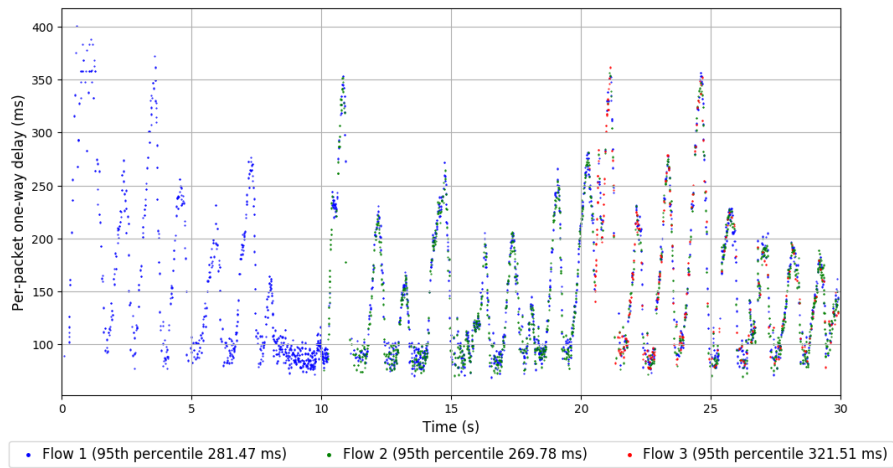
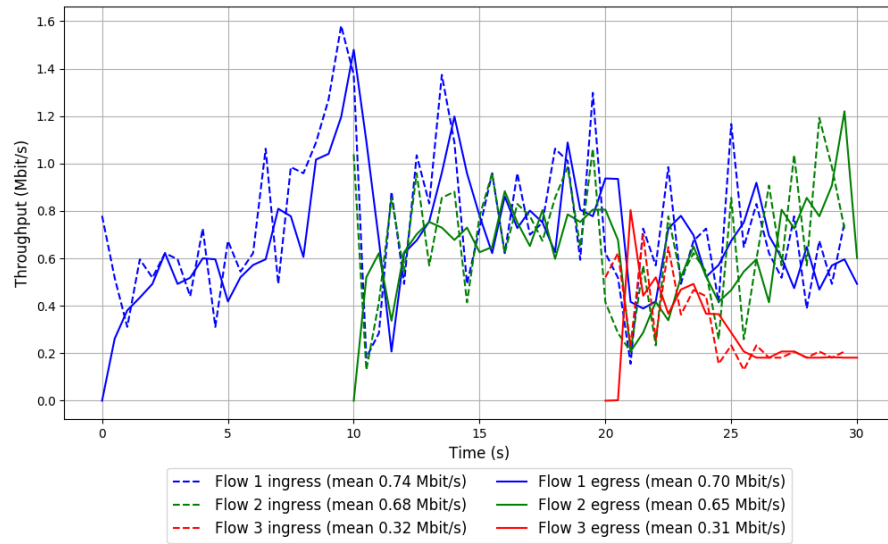
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 321.512 ms

Loss rate: 5.40%

Run 6: Report of Copa — Data Link

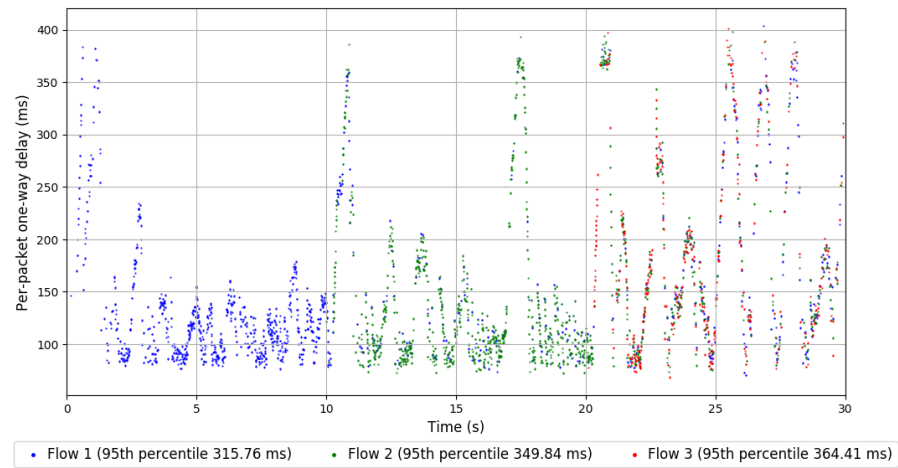
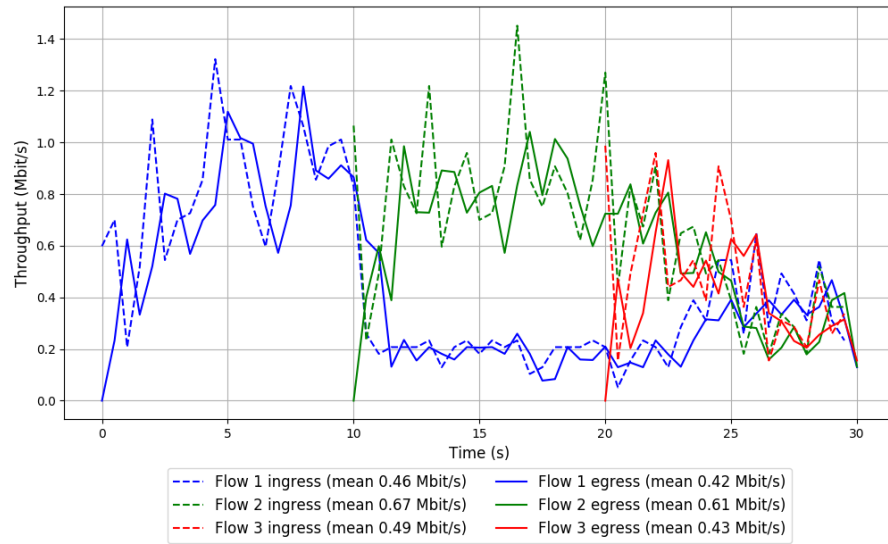


Run 7: Statistics of Copa

Start at: 2018-05-25 09:37:49
End at: 2018-05-25 09:38:19
Local clock offset: 5.515 ms
Remote clock offset: 19.564 ms

```
# Below is generated by plot.py at 2018-05-25 11:00:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 342.178 ms
Loss rate: 10.03%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 315.763 ms
Loss rate: 9.41%
-- Flow 2:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 349.843 ms
Loss rate: 9.27%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 364.407 ms
Loss rate: 13.87%
```


Run 7: Report of Copa — Data Link

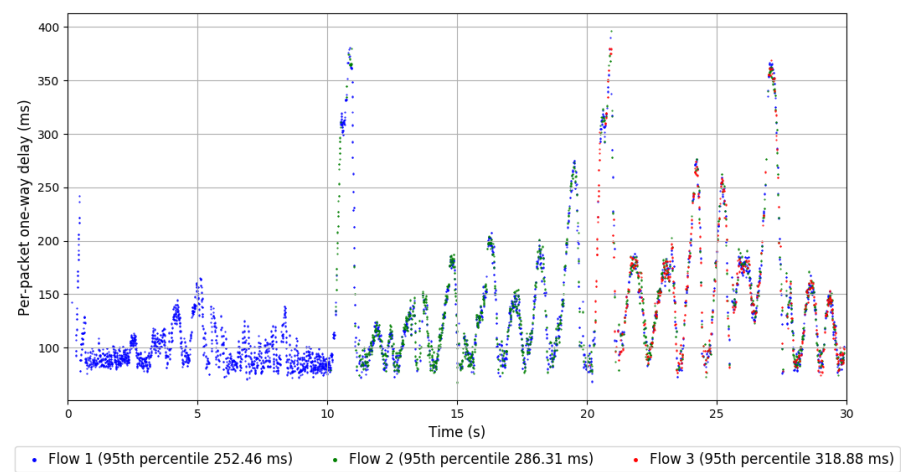
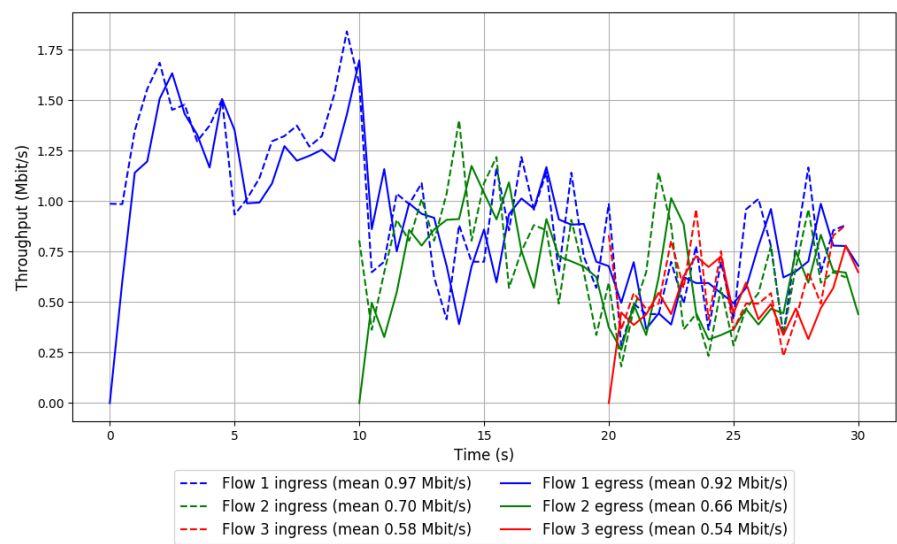


Run 8: Statistics of Copa

Start at: 2018-05-25 09:58:38
End at: 2018-05-25 09:59:08
Local clock offset: 6.974 ms
Remote clock offset: 37.864 ms

```
# Below is generated by plot.py at 2018-05-25 11:00:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 271.937 ms
Loss rate: 6.00%
-- Flow 1:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 252.460 ms
Loss rate: 5.25%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 286.308 ms
Loss rate: 6.34%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 318.882 ms
Loss rate: 8.93%
```

Run 8: Report of Copa — Data Link

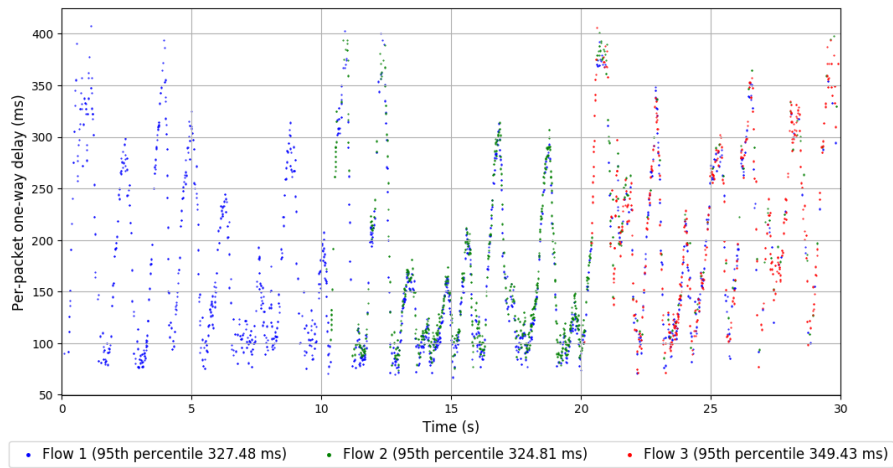
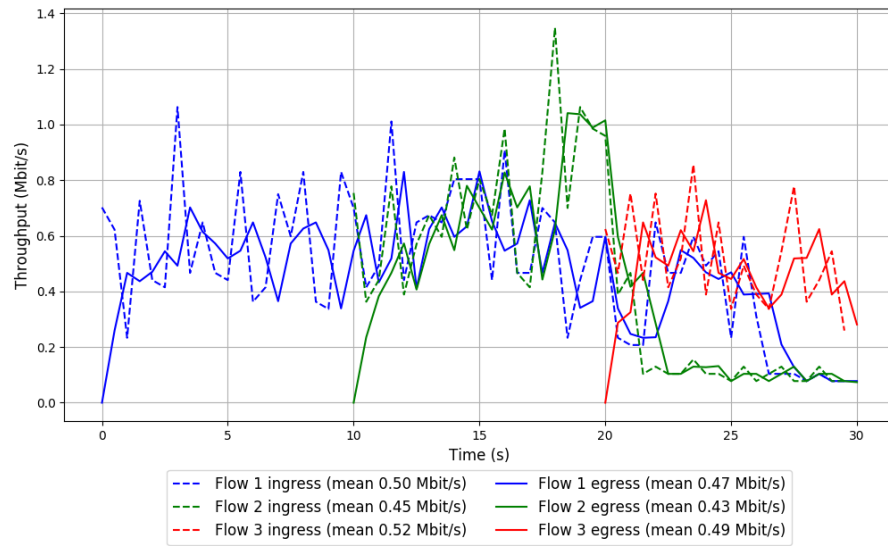


Run 9: Statistics of Copa

Start at: 2018-05-25 10:19:26
End at: 2018-05-25 10:19:56
Local clock offset: 6.859 ms
Remote clock offset: 55.042 ms

Below is generated by plot.py at 2018-05-25 11:00:57
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 332.677 ms
Loss rate: 7.06%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 327.477 ms
Loss rate: 7.22%
-- Flow 2:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 324.808 ms
Loss rate: 6.19%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 349.434 ms
Loss rate: 8.10%

Run 9: Report of Copa — Data Link

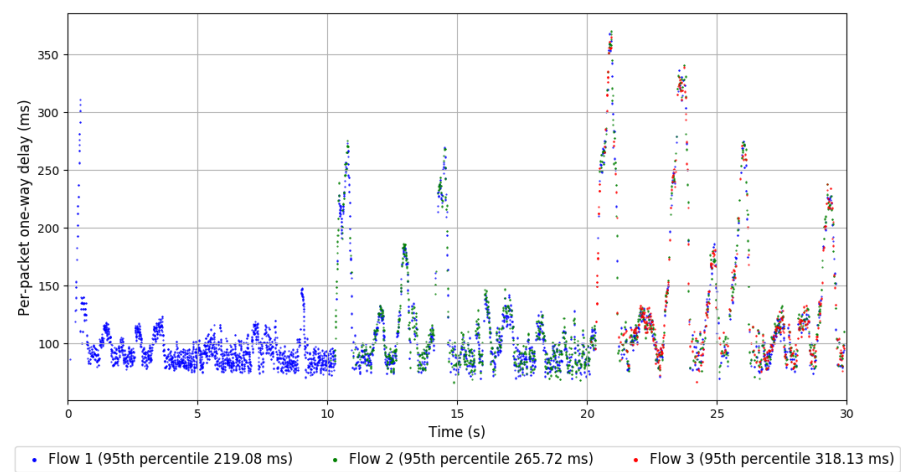
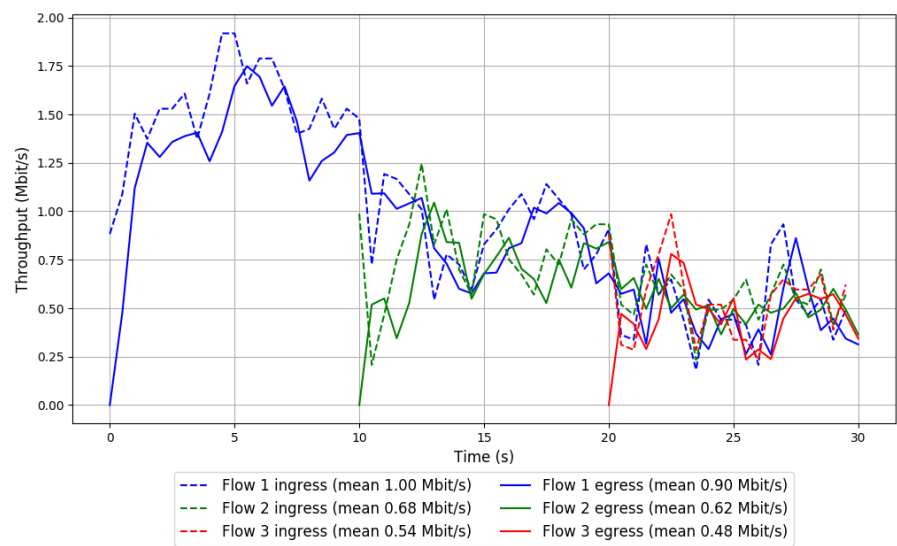


Run 10: Statistics of Copa

Start at: 2018-05-25 10:40:16
End at: 2018-05-25 10:40:46
Local clock offset: 6.874 ms
Remote clock offset: 67.587 ms

Below is generated by plot.py at 2018-05-25 11:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 249.970 ms
Loss rate: 10.48%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 219.084 ms
Loss rate: 9.85%
-- Flow 2:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 265.722 ms
Loss rate: 10.85%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 318.131 ms
Loss rate: 13.06%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-05-25 07:44:44

End at: 2018-05-25 07:45:14

Local clock offset: 1.099 ms

Remote clock offset: 5.434 ms

Below is generated by plot.py at 2018-05-25 11:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 170.675 ms

Loss rate: 5.78%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 176.933 ms

Loss rate: 5.26%

-- Flow 2:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 177.419 ms

Loss rate: 5.98%

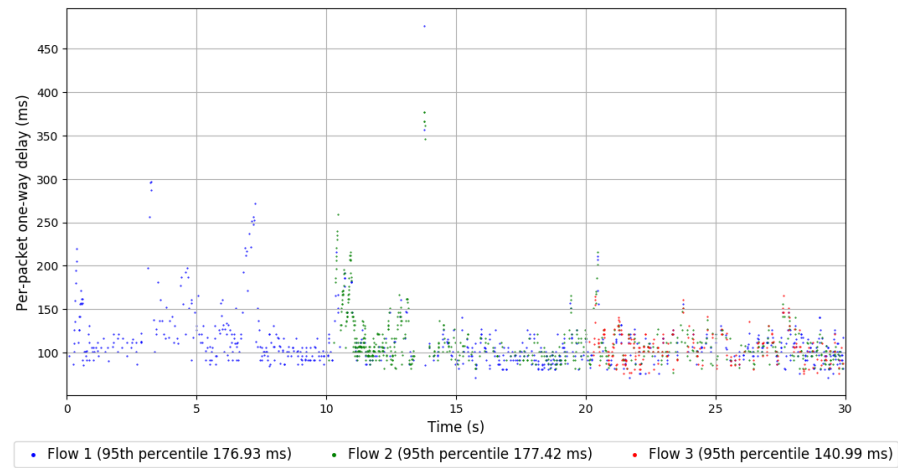
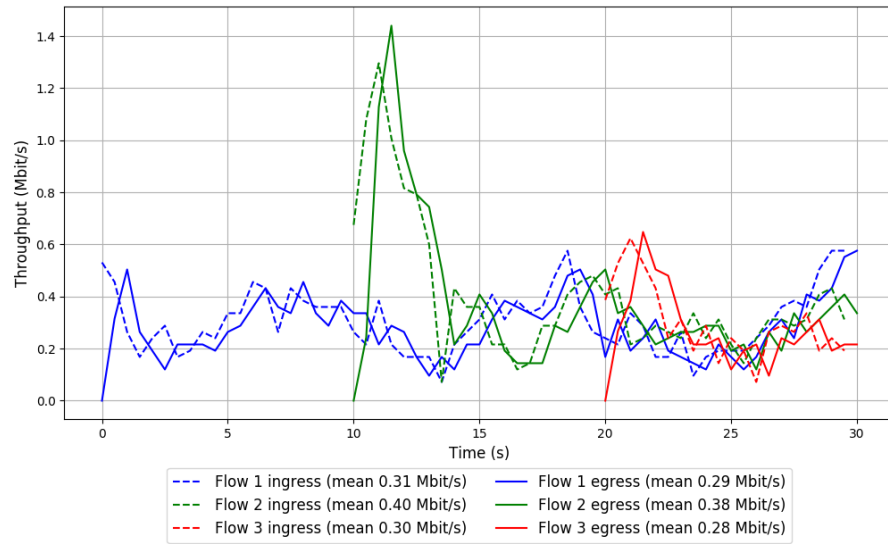
-- Flow 3:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 140.986 ms

Loss rate: 6.85%

Run 1: Report of TCP Cubic — Data Link

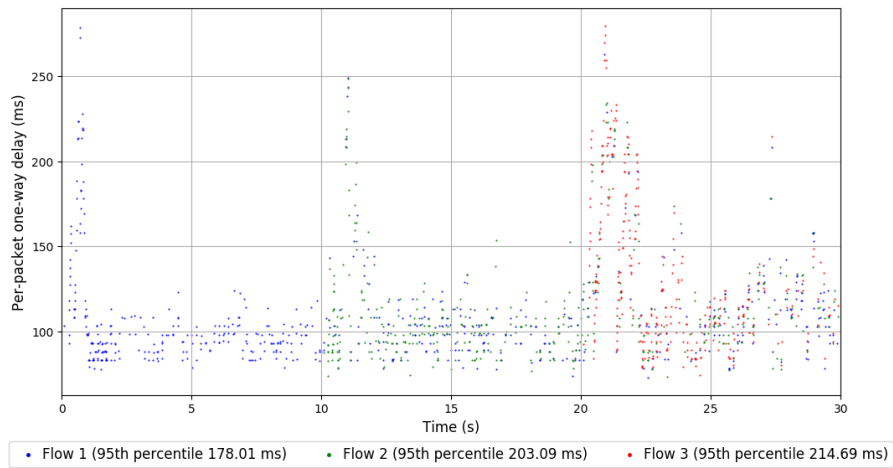
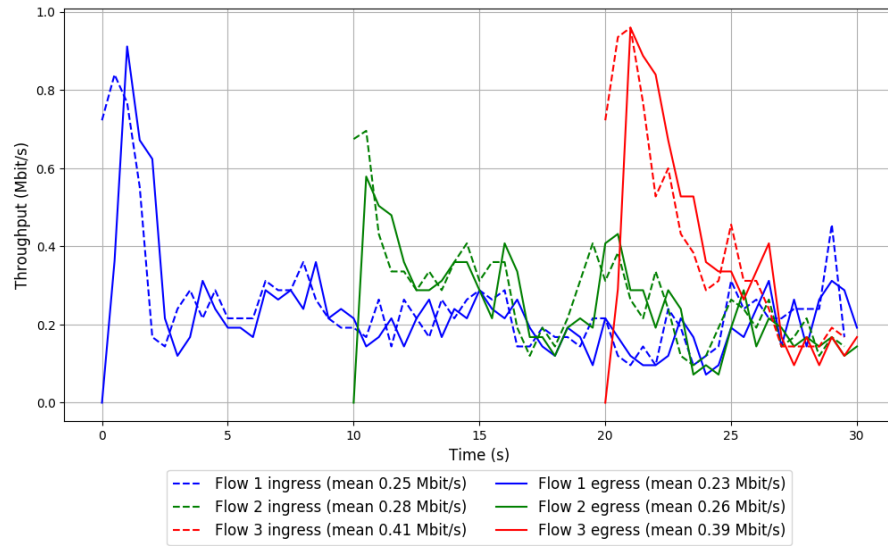


Run 2: Statistics of TCP Cubic

Start at: 2018-05-25 08:05:34
End at: 2018-05-25 08:06:04
Local clock offset: 2.092 ms
Remote clock offset: -0.59 ms

Below is generated by plot.py at 2018-05-25 11:00:58
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 208.058 ms
Loss rate: 7.16%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 178.013 ms
Loss rate: 7.67%
-- Flow 2:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 203.089 ms
Loss rate: 7.66%
-- Flow 3:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 214.686 ms
Loss rate: 5.57%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2018-05-25 08:28:38

End at: 2018-05-25 08:29:08

Local clock offset: 2.679 ms

Remote clock offset: 4.488 ms

Below is generated by plot.py at 2018-05-25 11:00:58

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 292.316 ms

Loss rate: 7.44%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 272.358 ms

Loss rate: 7.51%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 158.121 ms

Loss rate: 7.66%

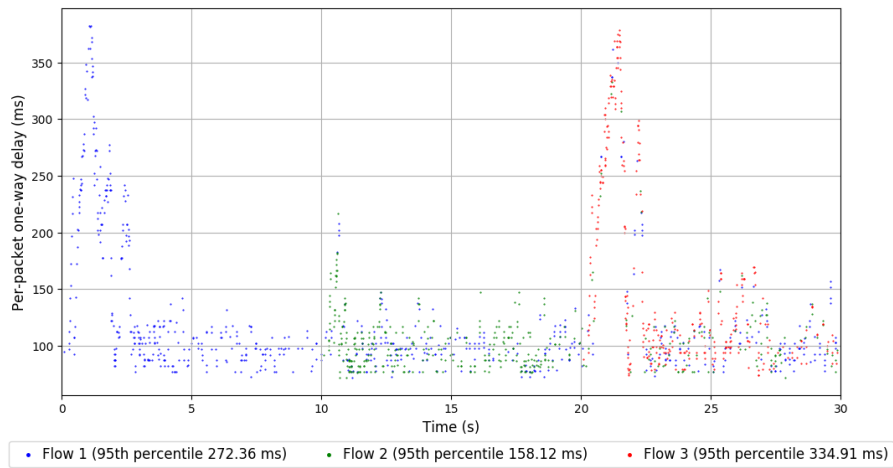
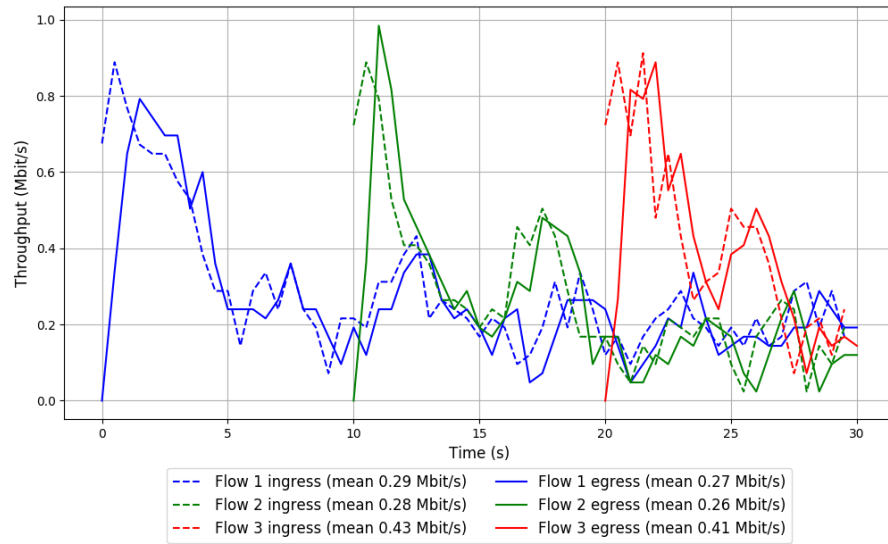
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 334.914 ms

Loss rate: 7.04%

Run 3: Report of TCP Cubic — Data Link

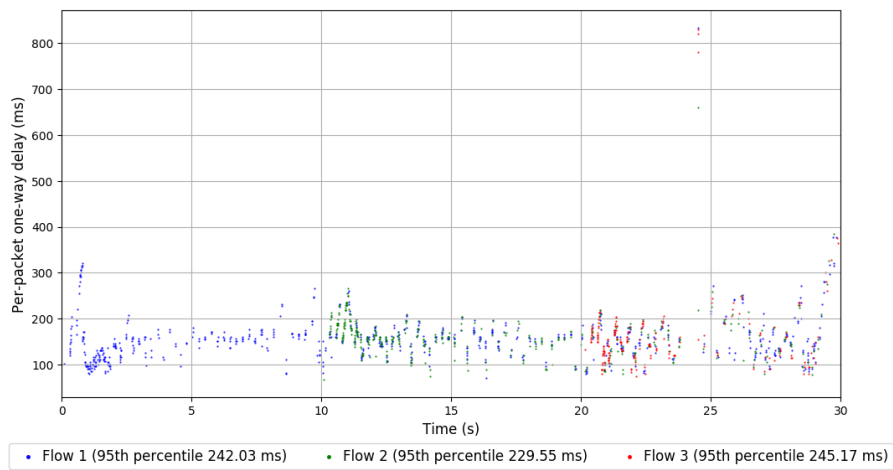
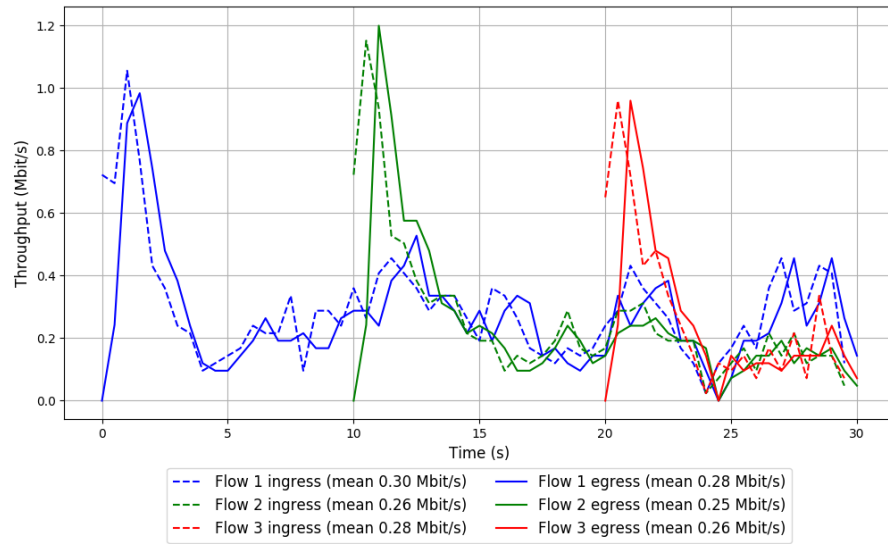


Run 4: Statistics of TCP Cubic

Start at: 2018-05-25 08:50:56
End at: 2018-05-25 08:51:26
Local clock offset: 2.259 ms
Remote clock offset: 16.779 ms

```
# Below is generated by plot.py at 2018-05-25 11:00:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 235.447 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 242.025 ms
Loss rate: 6.49%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 229.547 ms
Loss rate: 7.11%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 245.168 ms
Loss rate: 9.13%
```

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-05-25 09:11:46

End at: 2018-05-25 09:12:16

Local clock offset: 2.275 ms

Remote clock offset: 8.778 ms

Below is generated by plot.py at 2018-05-25 11:00:59

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 329.451 ms

Loss rate: 8.01%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 325.605 ms

Loss rate: 10.00%

-- Flow 2:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 354.315 ms

Loss rate: 7.45%

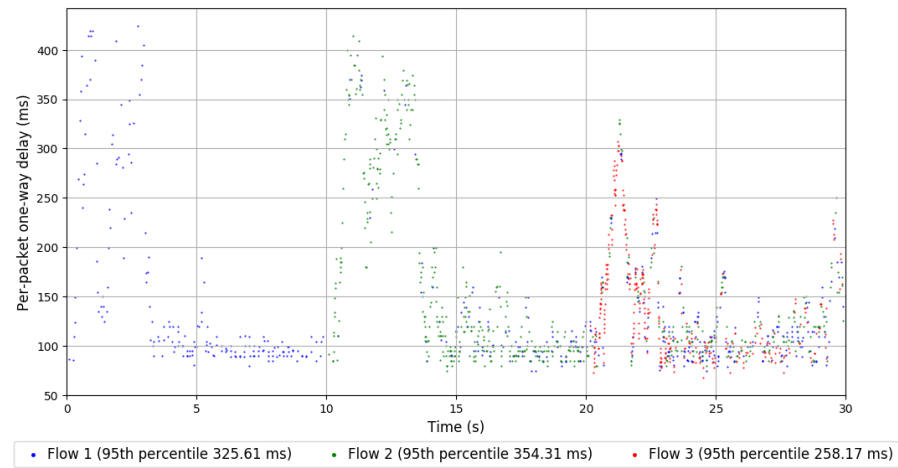
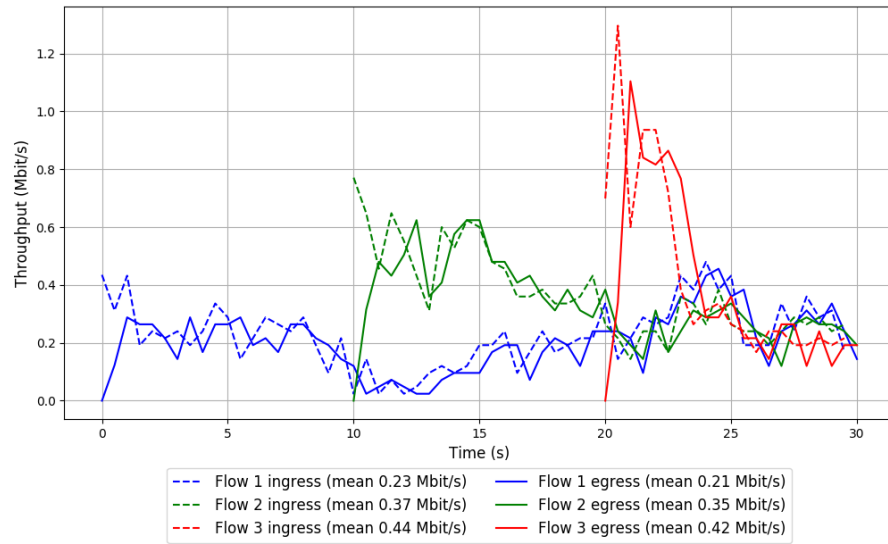
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 258.172 ms

Loss rate: 5.83%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-05-25 09:32:36

End at: 2018-05-25 09:33:06

Local clock offset: 4.489 ms

Remote clock offset: 6.883 ms

Below is generated by plot.py at 2018-05-25 11:01:00

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 319.994 ms

Loss rate: 9.89%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 279.665 ms

Loss rate: 7.92%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 339.073 ms

Loss rate: 12.97%

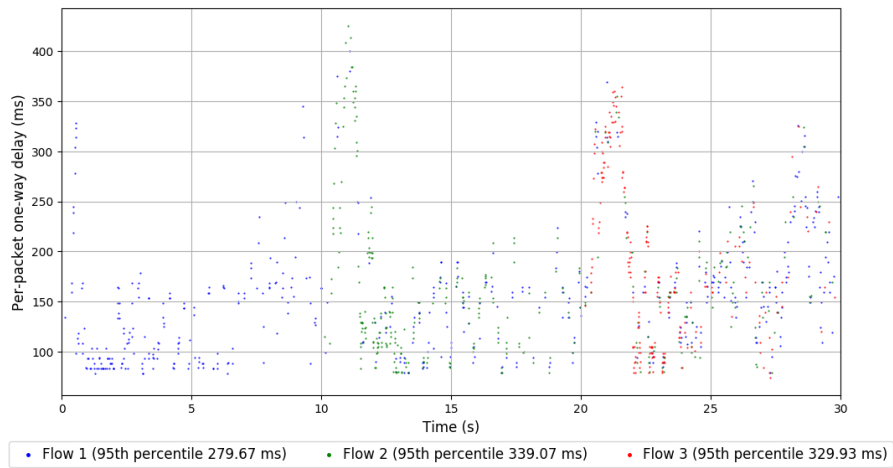
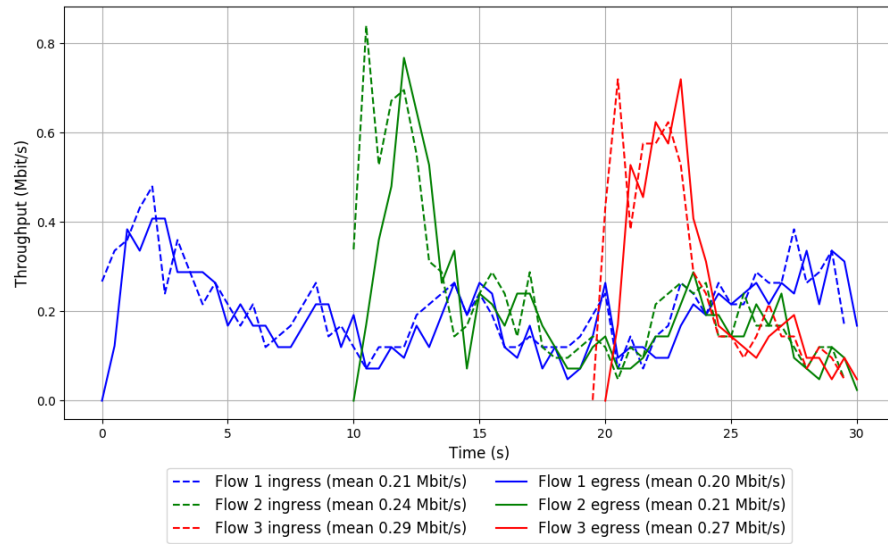
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 329.931 ms

Loss rate: 9.20%

Run 6: Report of TCP Cubic — Data Link

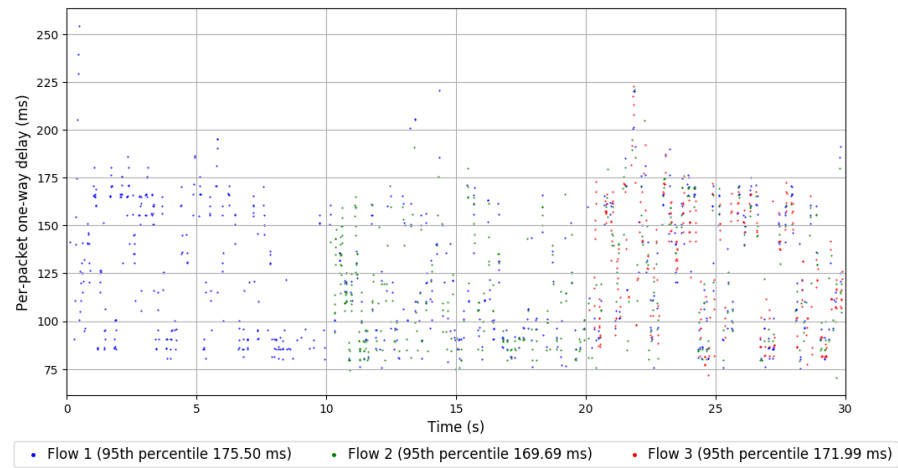
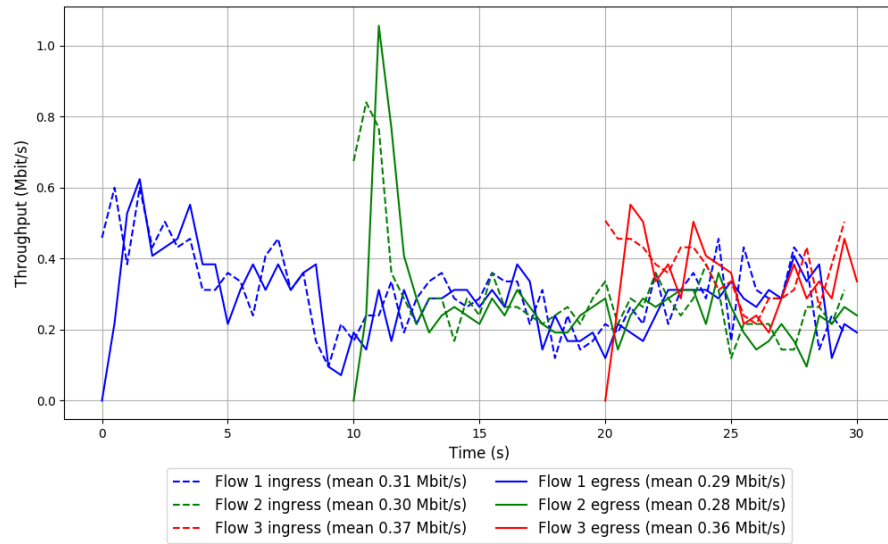


Run 7: Statistics of TCP Cubic

Start at: 2018-05-25 09:53:26
End at: 2018-05-25 09:53:56
Local clock offset: 7.086 ms
Remote clock offset: 35.437 ms

Below is generated by plot.py at 2018-05-25 11:01:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 171.994 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 175.501 ms
Loss rate: 5.34%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 169.686 ms
Loss rate: 6.88%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 171.992 ms
Loss rate: 5.50%

Run 7: Report of TCP Cubic — Data Link

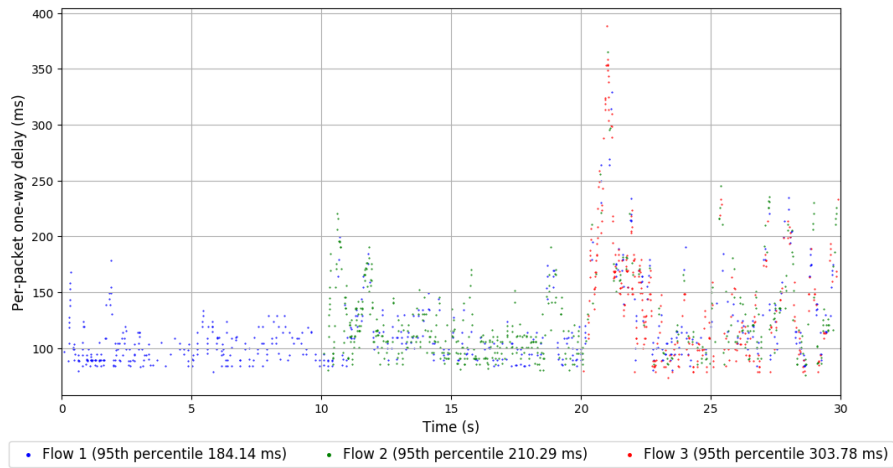
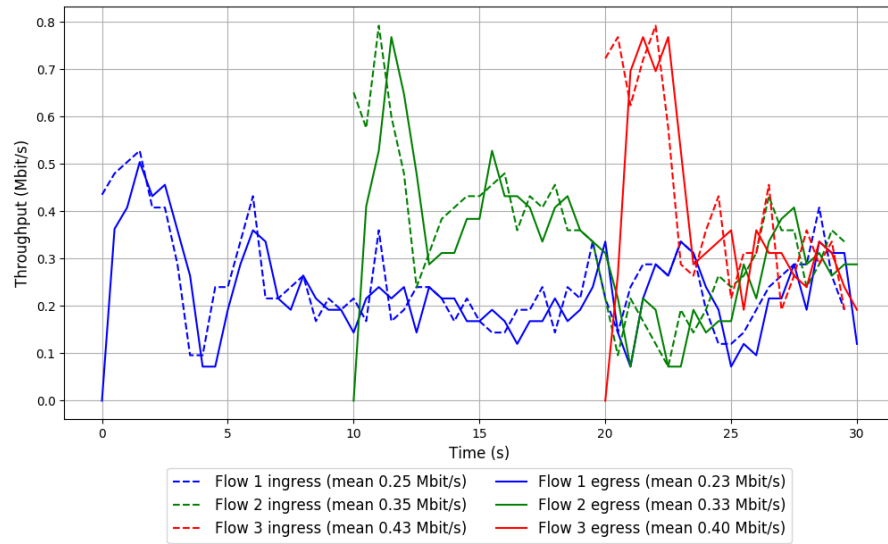


Run 8: Statistics of TCP Cubic

Start at: 2018-05-25 10:14:14
End at: 2018-05-25 10:14:44
Local clock offset: 6.757 ms
Remote clock offset: 50.803 ms

Below is generated by plot.py at 2018-05-25 11:01:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 213.743 ms
Loss rate: 6.82%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 184.139 ms
Loss rate: 7.36%
-- Flow 2:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 210.292 ms
Loss rate: 5.38%
-- Flow 3:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 303.779 ms
Loss rate: 8.21%

Run 8: Report of TCP Cubic — Data Link

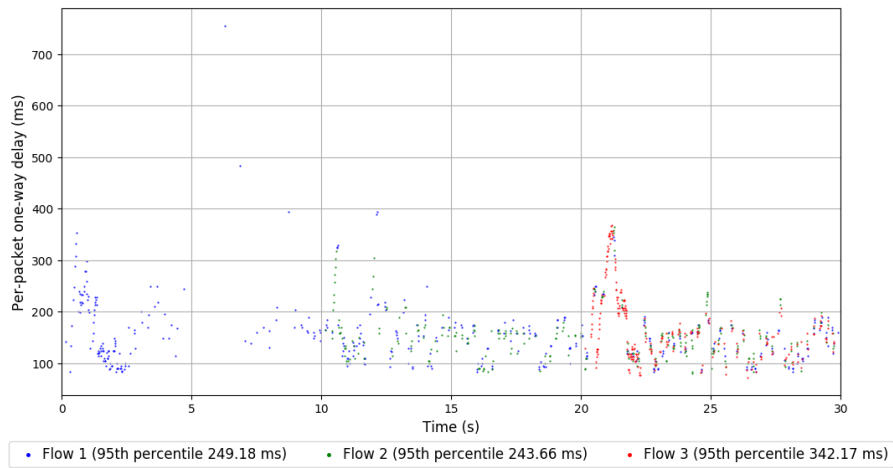
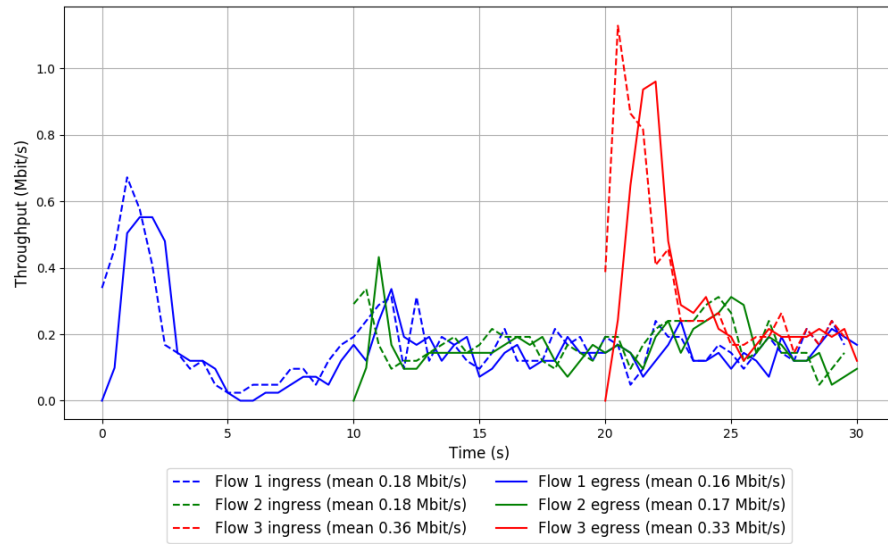


Run 9: Statistics of TCP Cubic

Start at: 2018-05-25 10:35:04
End at: 2018-05-25 10:35:34
Local clock offset: 6.932 ms
Remote clock offset: 64.816 ms

Below is generated by plot.py at 2018-05-25 11:01:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 297.085 ms
Loss rate: 9.40%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 249.179 ms
Loss rate: 10.78%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 243.658 ms
Loss rate: 7.82%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 342.165 ms
Loss rate: 8.93%

Run 9: Report of TCP Cubic — Data Link

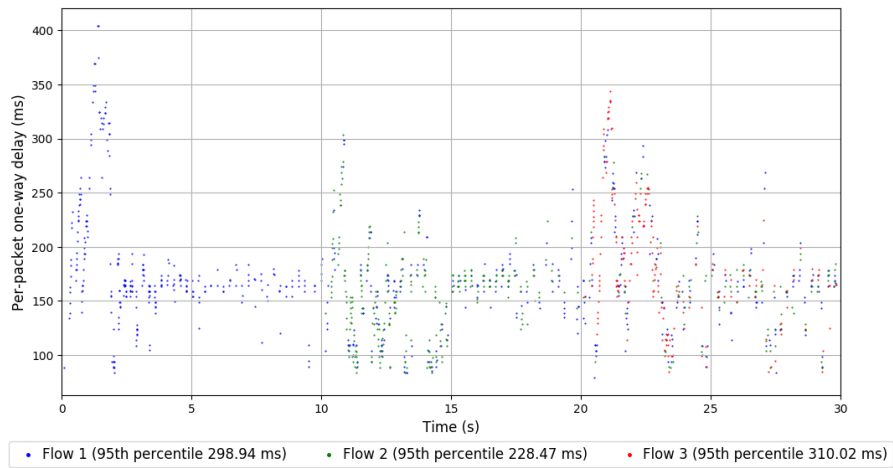
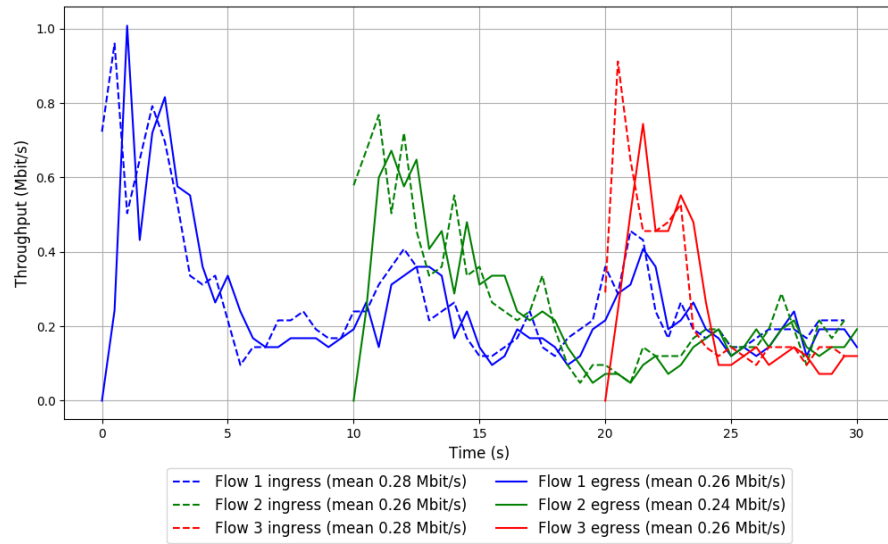


Run 10: Statistics of TCP Cubic

Start at: 2018-05-25 10:55:58
End at: 2018-05-25 10:56:28
Local clock offset: 7.311 ms
Remote clock offset: 34.086 ms

Below is generated by plot.py at 2018-05-25 11:01:01
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 278.773 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 298.941 ms
Loss rate: 7.77%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 228.466 ms
Loss rate: 10.11%
-- Flow 3:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 310.022 ms
Loss rate: 9.13%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-05-25 07:47:20

End at: 2018-05-25 07:47:50

Local clock offset: 0.907 ms

Remote clock offset: 5.49 ms

Below is generated by plot.py at 2018-05-25 11:01:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 384.409 ms

Loss rate: 44.30%

-- Flow 1:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 382.104 ms

Loss rate: 41.21%

-- Flow 2:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 384.524 ms

Loss rate: 47.17%

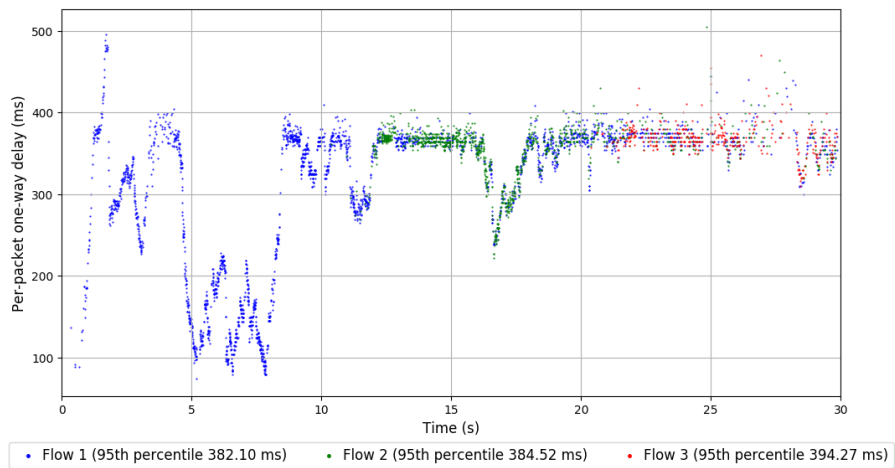
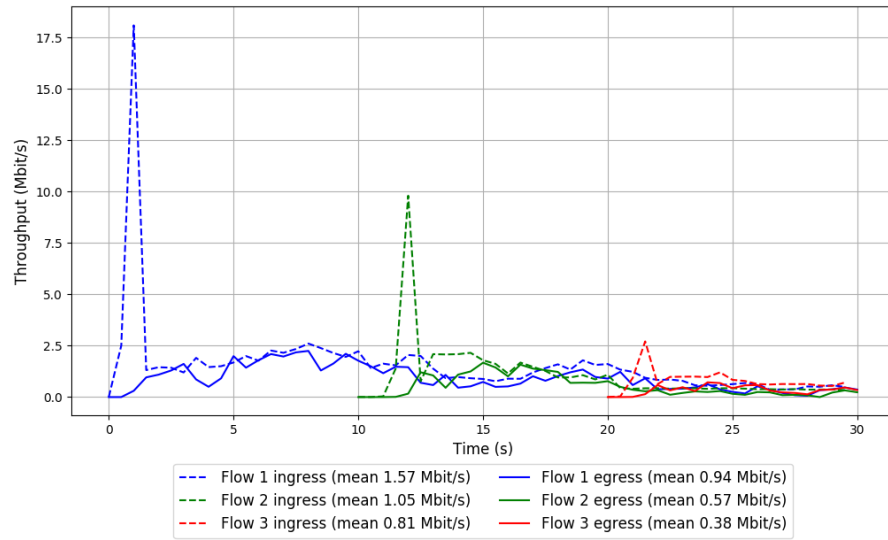
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 394.275 ms

Loss rate: 54.87%

Run 1: Report of FillP — Data Link

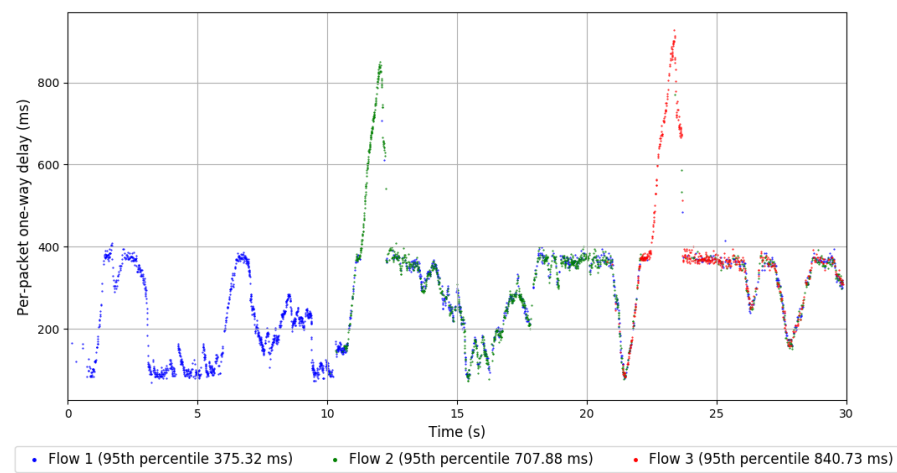
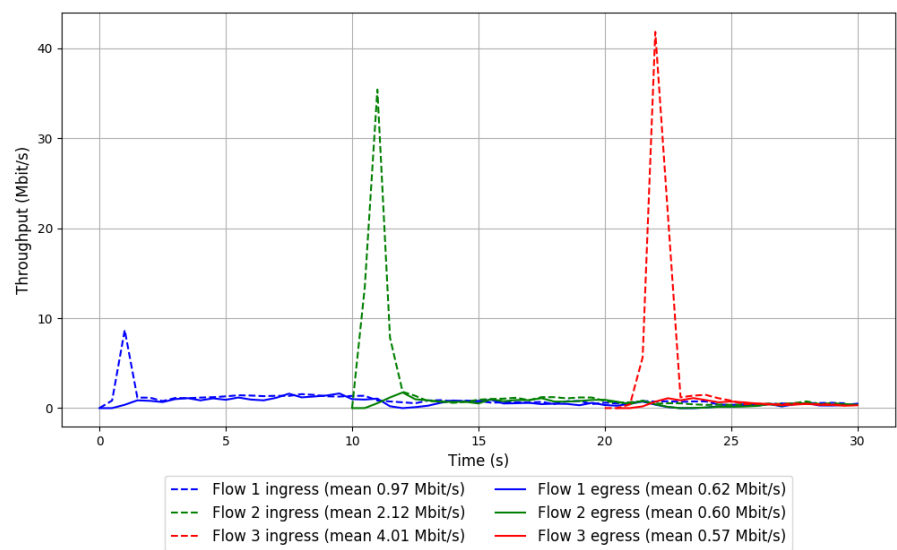


Run 2: Statistics of FillP

Start at: 2018-05-25 08:08:10
End at: 2018-05-25 08:08:40
Local clock offset: 2.145 ms
Remote clock offset: -1.145 ms

Below is generated by plot.py at 2018-05-25 11:01:05
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 645.596 ms
Loss rate: 68.02%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 375.317 ms
Loss rate: 36.37%
-- Flow 2:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 707.882 ms
Loss rate: 72.08%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 840.725 ms
Loss rate: 86.84%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-05-25 08:31:38

End at: 2018-05-25 08:32:08

Local clock offset: 2.537 ms

Remote clock offset: 8.017 ms

Below is generated by plot.py at 2018-05-25 11:01:06

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 382.773 ms

Loss rate: 40.12%

-- Flow 1:

Average throughput: 1.01 Mbit/s

95th percentile per-packet one-way delay: 381.698 ms

Loss rate: 40.19%

-- Flow 2:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 382.281 ms

Loss rate: 35.58%

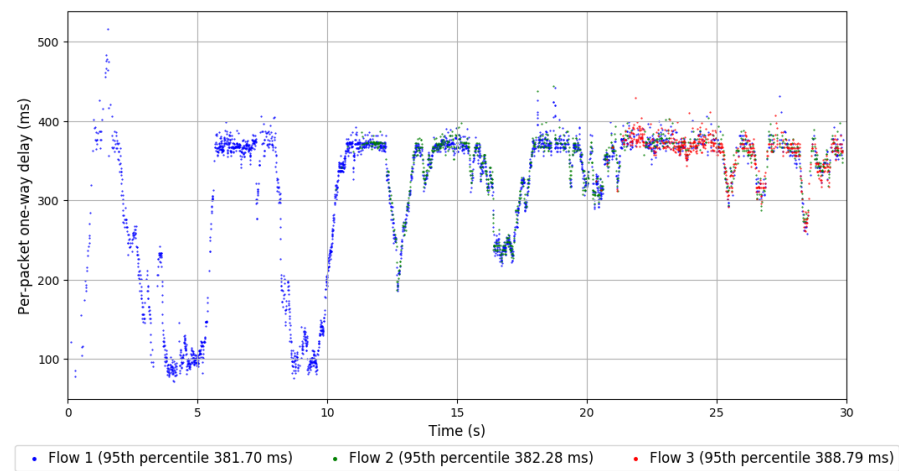
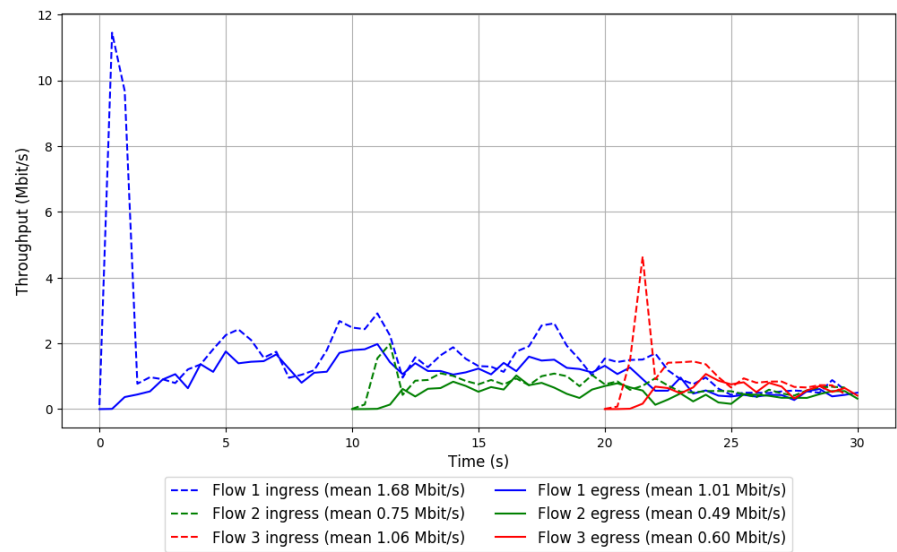
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 388.790 ms

Loss rate: 46.22%

Run 3: Report of FillP — Data Link

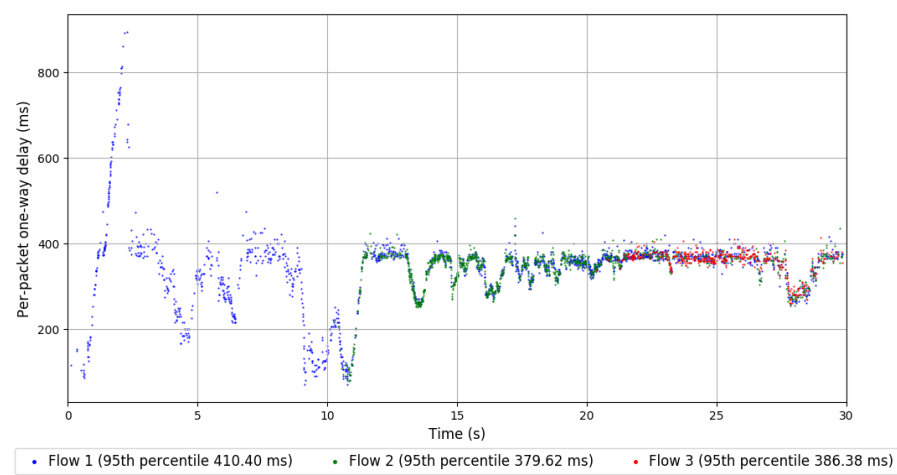
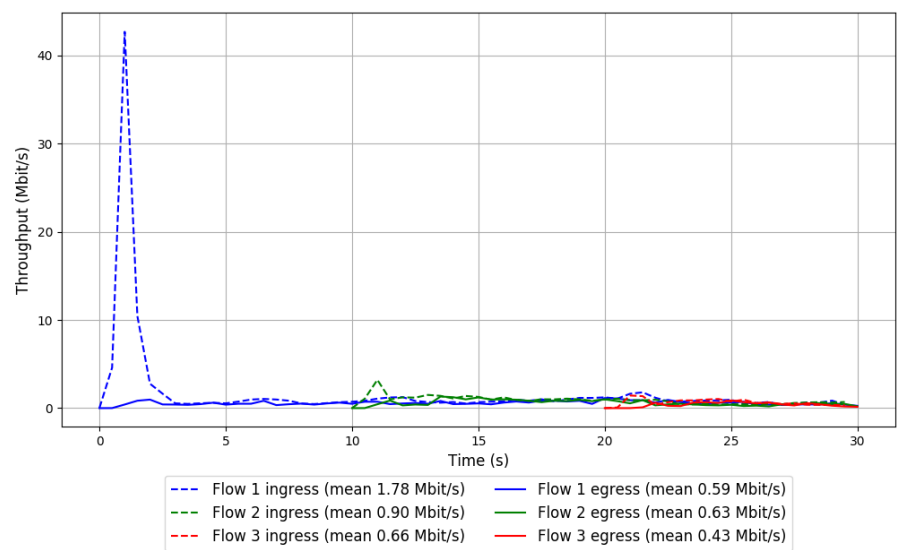


Run 4: Statistics of FillP

Start at: 2018-05-25 08:53:33
End at: 2018-05-25 08:54:03
Local clock offset: 2.105 ms
Remote clock offset: 17.129 ms

Below is generated by plot.py at 2018-05-25 11:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 394.540 ms
Loss rate: 56.26%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 410.403 ms
Loss rate: 67.07%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 379.625 ms
Loss rate: 31.24%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 386.377 ms
Loss rate: 37.26%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-05-25 09:14:22

End at: 2018-05-25 09:14:52

Local clock offset: 2.11 ms

Remote clock offset: 8.063 ms

Below is generated by plot.py at 2018-05-25 11:01:07

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 391.707 ms

Loss rate: 56.00%

-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 392.051 ms

Loss rate: 54.26%

-- Flow 2:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 391.679 ms

Loss rate: 58.65%

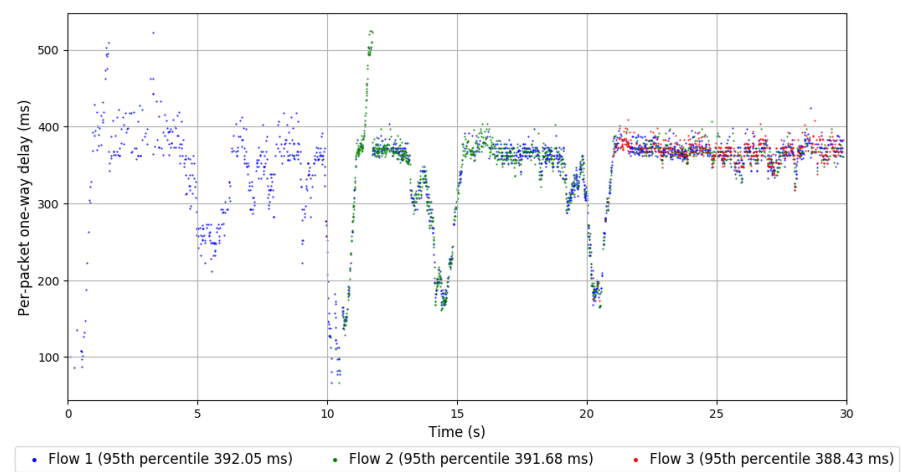
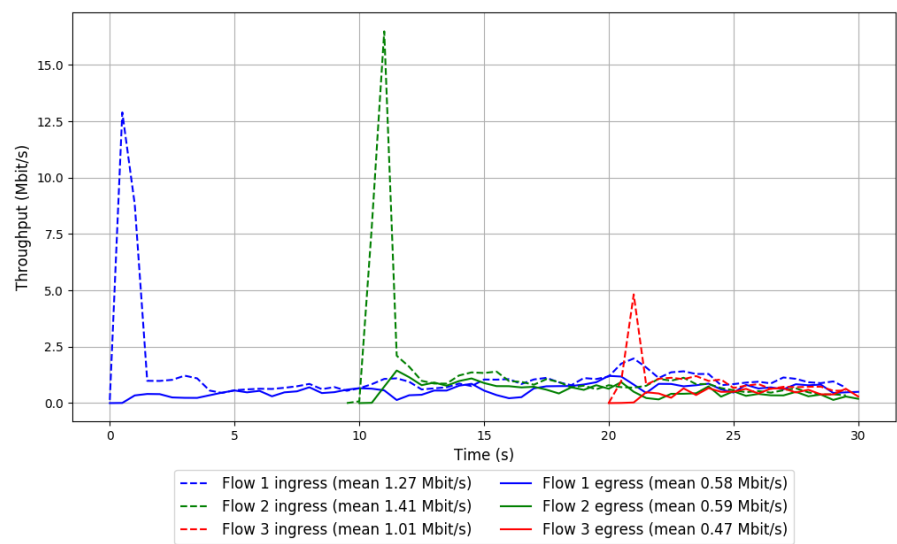
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 388.426 ms

Loss rate: 55.12%

Run 5: Report of FillP — Data Link

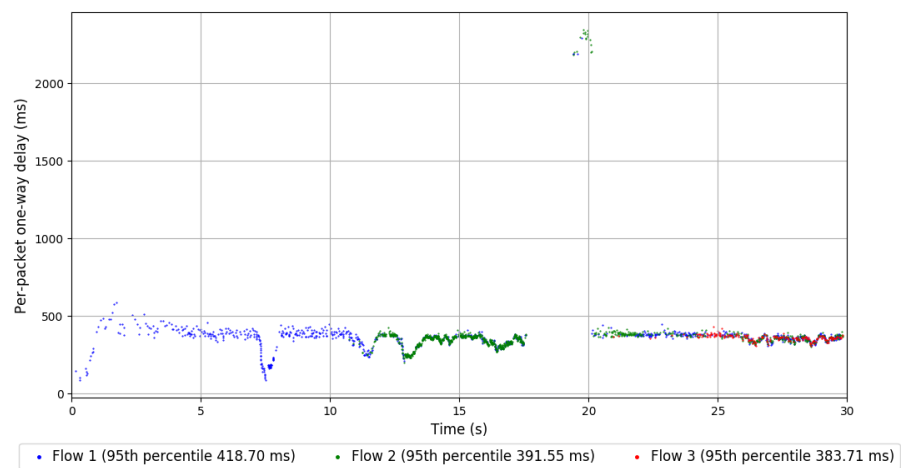
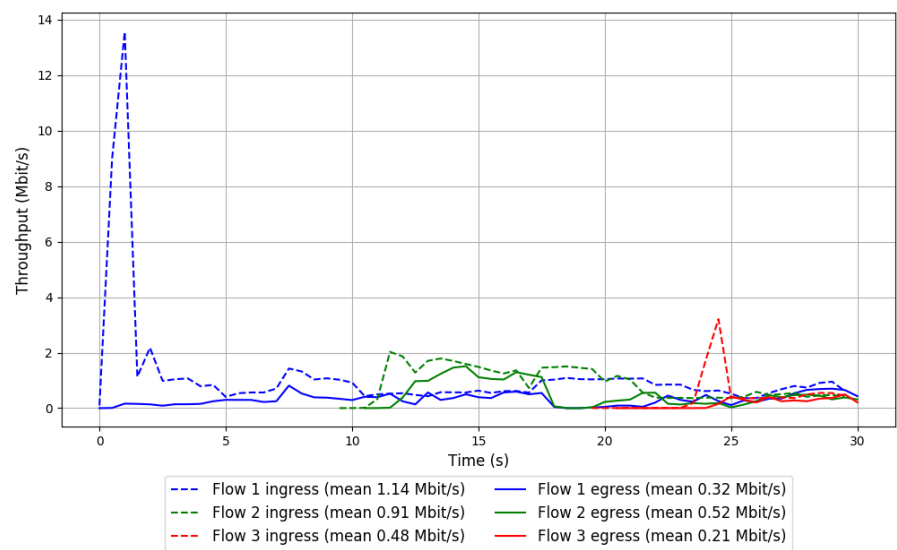


Run 6: Statistics of FillP

Start at: 2018-05-25 09:35:12
End at: 2018-05-25 09:35:42
Local clock offset: 5.069 ms
Remote clock offset: 14.063 ms

Below is generated by plot.py at 2018-05-25 11:01:07
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 407.496 ms
Loss rate: 62.69%
-- Flow 1:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 418.697 ms
Loss rate: 72.22%
-- Flow 2:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 391.547 ms
Loss rate: 45.31%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 383.707 ms
Loss rate: 60.81%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-05-25 09:56:02

End at: 2018-05-25 09:56:32

Local clock offset: 7.116 ms

Remote clock offset: 36.7 ms

Below is generated by plot.py at 2018-05-25 11:01:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 382.271 ms

Loss rate: 50.01%

-- Flow 1:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 384.812 ms

Loss rate: 59.50%

-- Flow 2:

Average throughput: 0.77 Mbit/s

95th percentile per-packet one-way delay: 380.307 ms

Loss rate: 27.65%

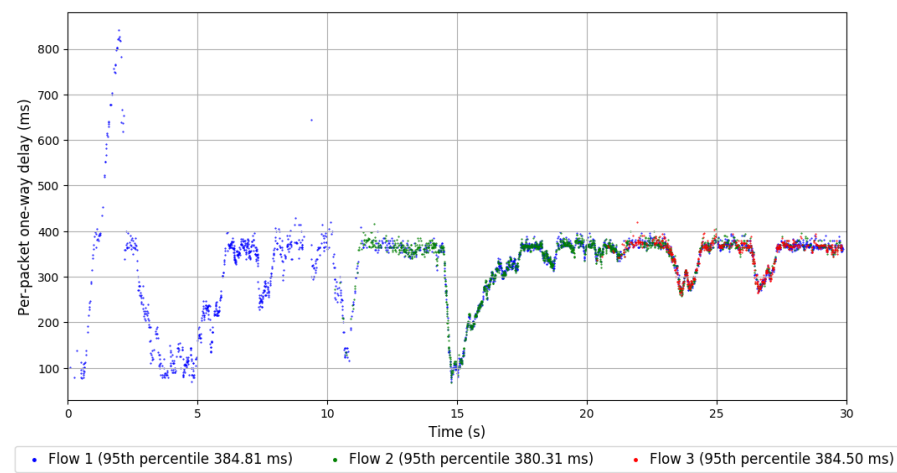
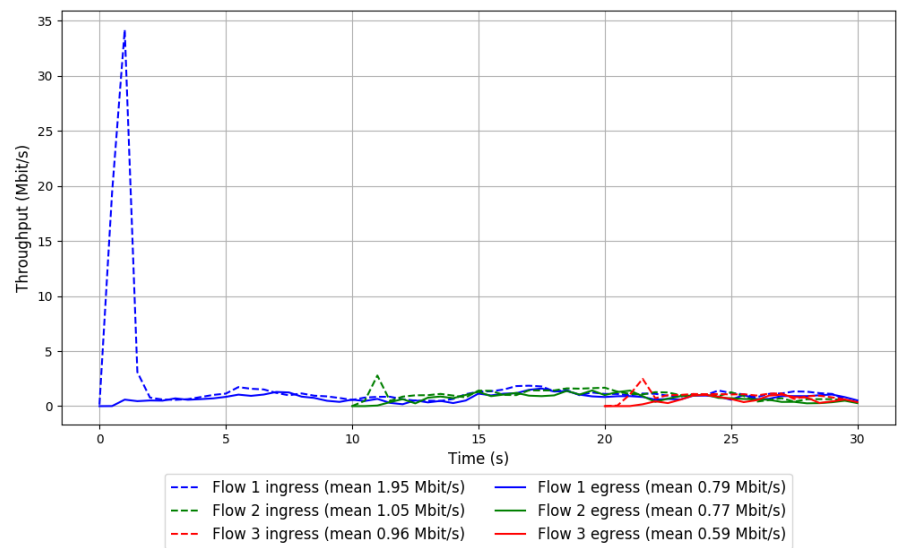
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 384.499 ms

Loss rate: 41.04%

Run 7: Report of FillP — Data Link

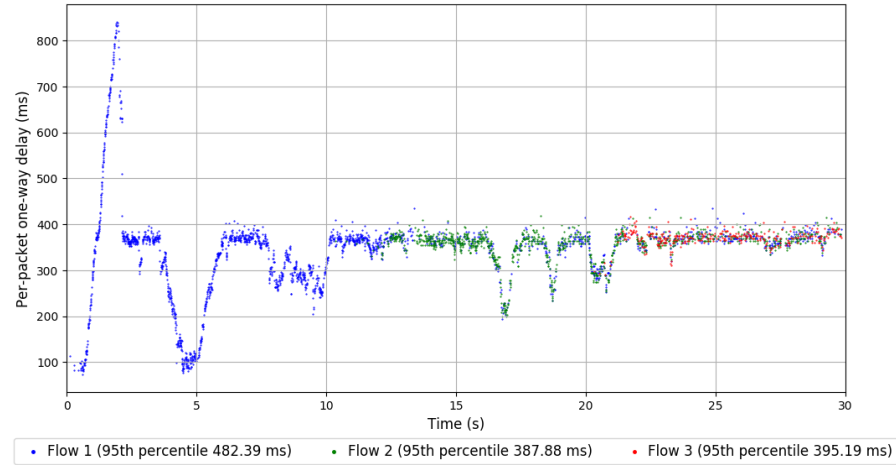
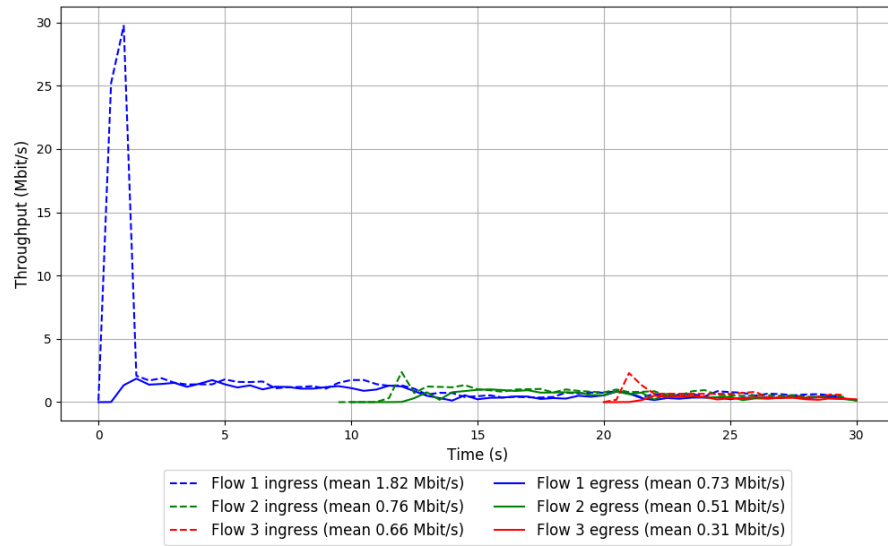


Run 8: Statistics of FillP

Start at: 2018-05-25 10:16:50
End at: 2018-05-25 10:17:20
Local clock offset: 6.935 ms
Remote clock offset: 53.244 ms

Below is generated by plot.py at 2018-05-25 11:01:09
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 398.095 ms
Loss rate: 54.72%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 482.387 ms
Loss rate: 60.34%
-- Flow 2:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 387.875 ms
Loss rate: 34.25%
-- Flow 3:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 395.193 ms
Loss rate: 55.36%

Run 8: Report of FillP — Data Link

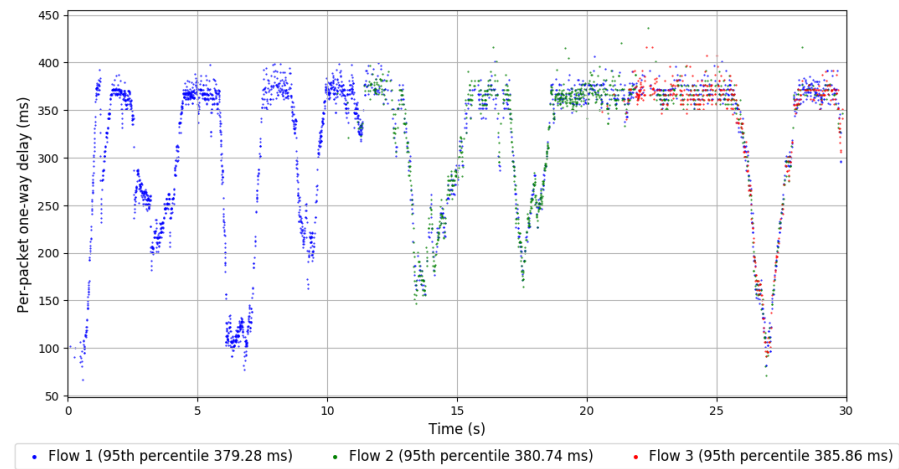
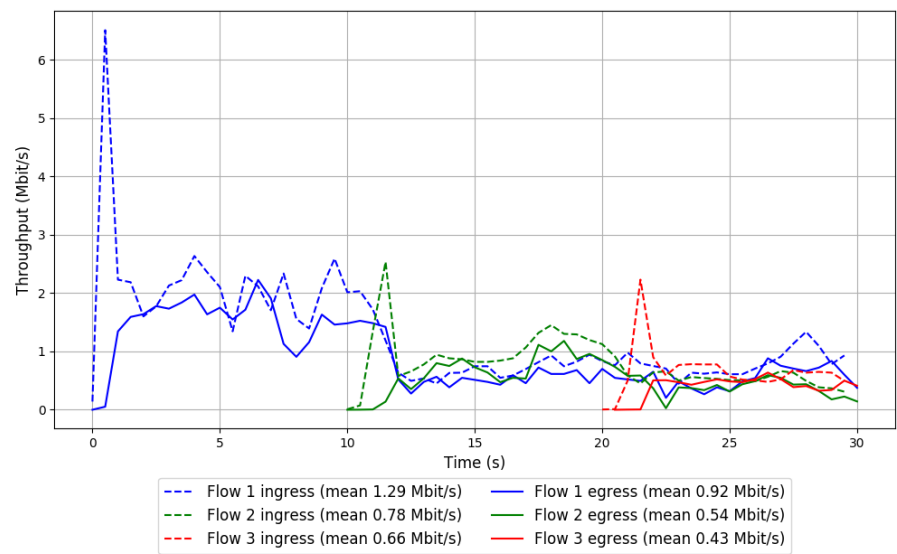


Run 9: Statistics of FillP

Start at: 2018-05-25 10:37:40
End at: 2018-05-25 10:38:10
Local clock offset: 6.988 ms
Remote clock offset: 66.321 ms

Below is generated by plot.py at 2018-05-25 11:01:11
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 380.810 ms
Loss rate: 31.21%
-- Flow 1:
Average throughput: 0.92 Mbit/s
95th percentile per-packet one-way delay: 379.279 ms
Loss rate: 29.17%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 380.735 ms
Loss rate: 33.00%
-- Flow 3:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 385.861 ms
Loss rate: 39.06%

Run 9: Report of FillP — Data Link

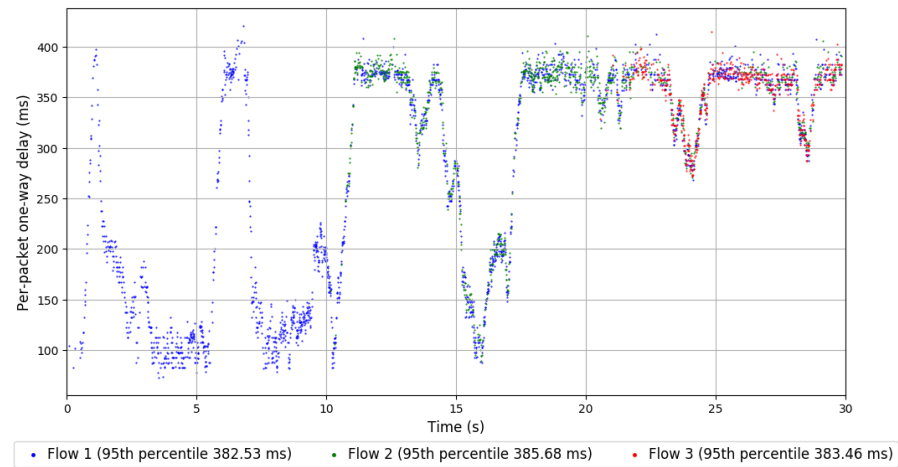
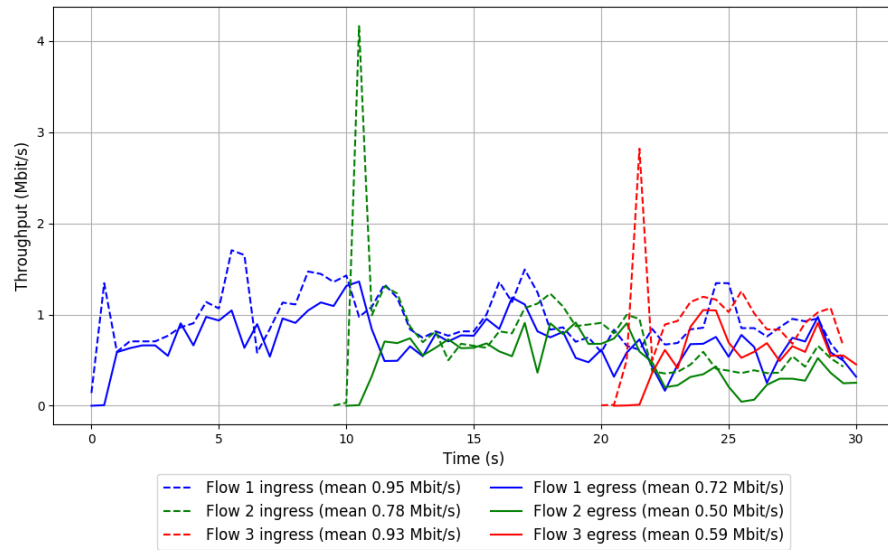


Run 10: Statistics of FillP

Start at: 2018-05-25 10:58:34
End at: 2018-05-25 10:59:04
Local clock offset: 7.06 ms
Remote clock offset: 32.734 ms

Below is generated by plot.py at 2018-05-25 11:01:13
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 383.174 ms
Loss rate: 30.81%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 382.532 ms
Loss rate: 24.65%
-- Flow 2:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 385.676 ms
Loss rate: 36.58%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 383.456 ms
Loss rate: 40.14%

Run 10: Report of FillP — Data Link

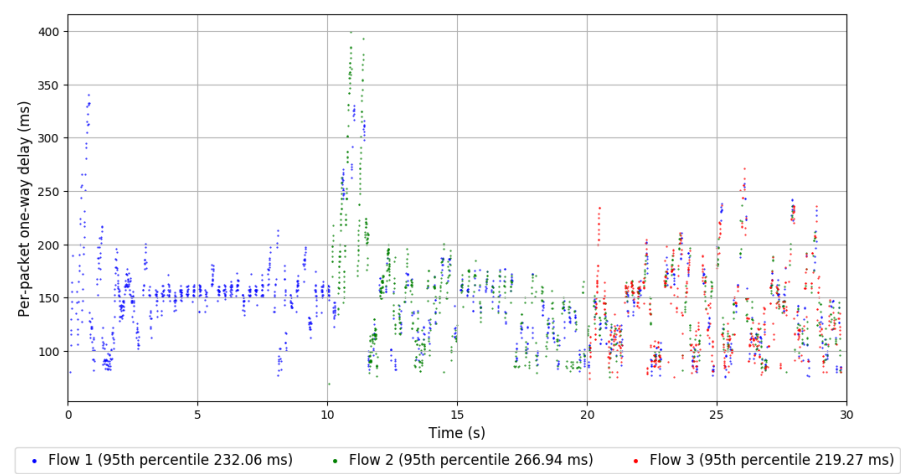
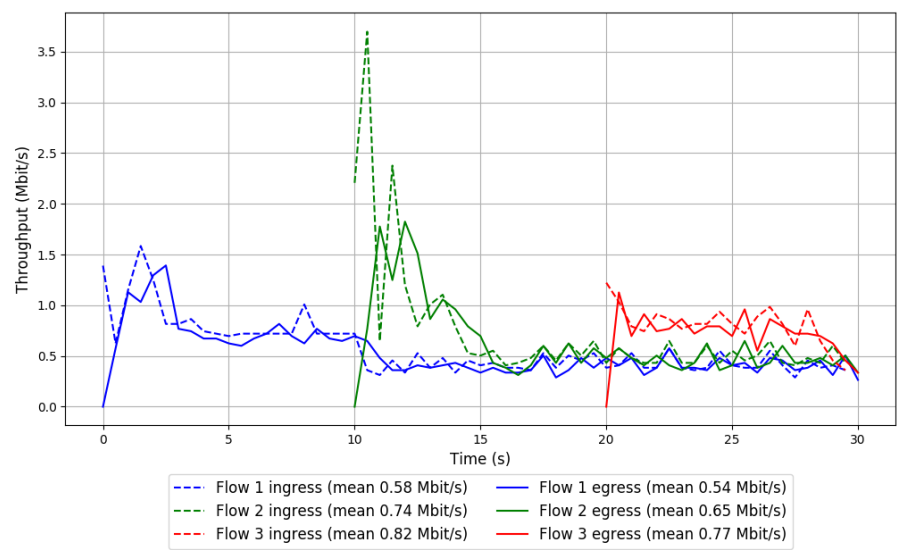


```
Run 1: Statistics of Indigo

Start at: 2018-05-25 07:36:53
End at: 2018-05-25 07:37:23
Local clock offset: 2.031 ms
Remote clock offset: 2.72 ms

# Below is generated by plot.py at 2018-05-25 11:01:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 235.370 ms
Loss rate: 9.71%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 232.058 ms
Loss rate: 7.09%
-- Flow 2:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 266.940 ms
Loss rate: 13.63%
-- Flow 3:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 219.273 ms
Loss rate: 8.17%
```


Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-05-25 07:57:45

End at: 2018-05-25 07:58:15

Local clock offset: 1.179 ms

Remote clock offset: 1.332 ms

Below is generated by plot.py at 2018-05-25 11:01:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 325.512 ms

Loss rate: 10.17%

-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 312.898 ms

Loss rate: 11.80%

-- Flow 2:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 343.798 ms

Loss rate: 6.03%

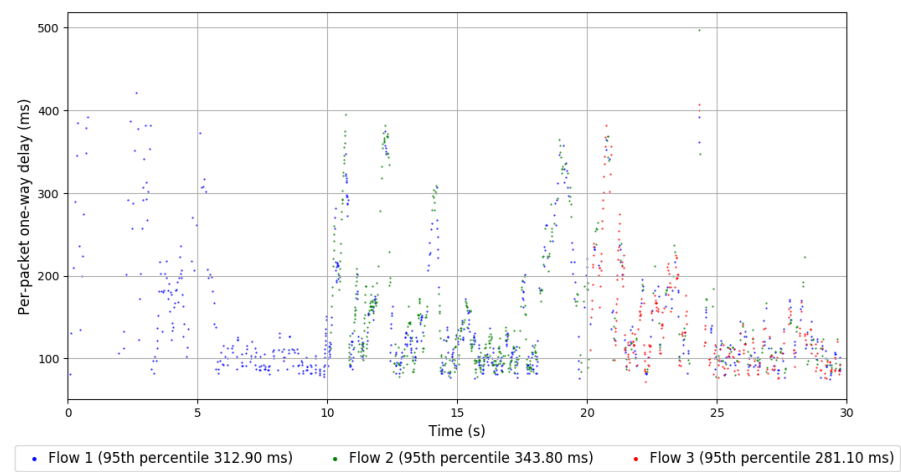
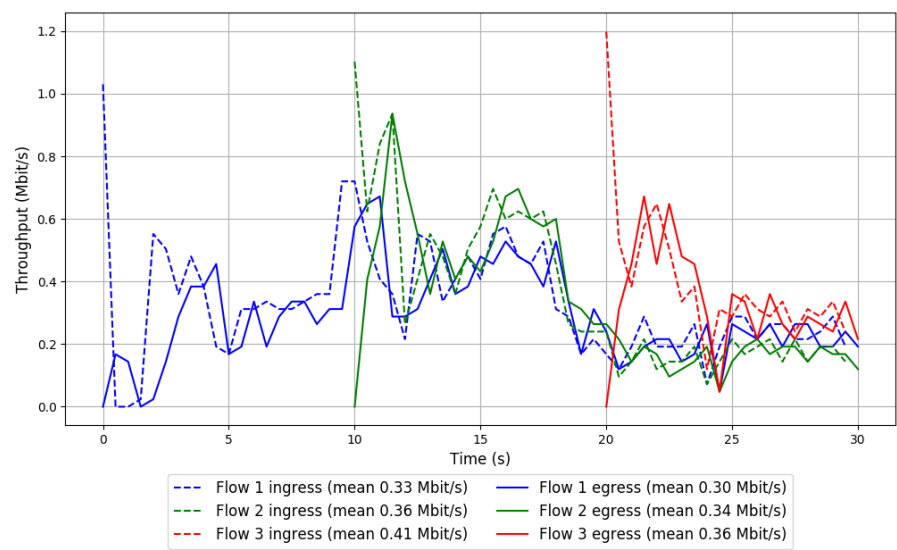
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 281.100 ms

Loss rate: 13.51%

Run 2: Report of Indigo — Data Link

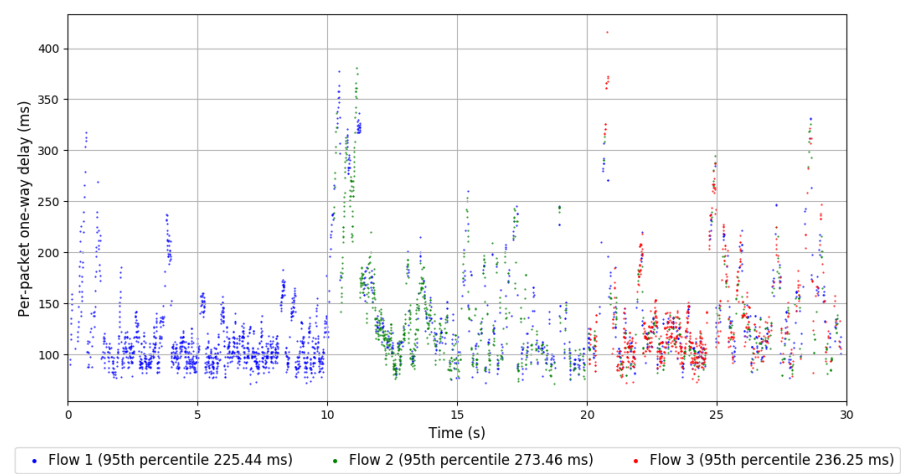
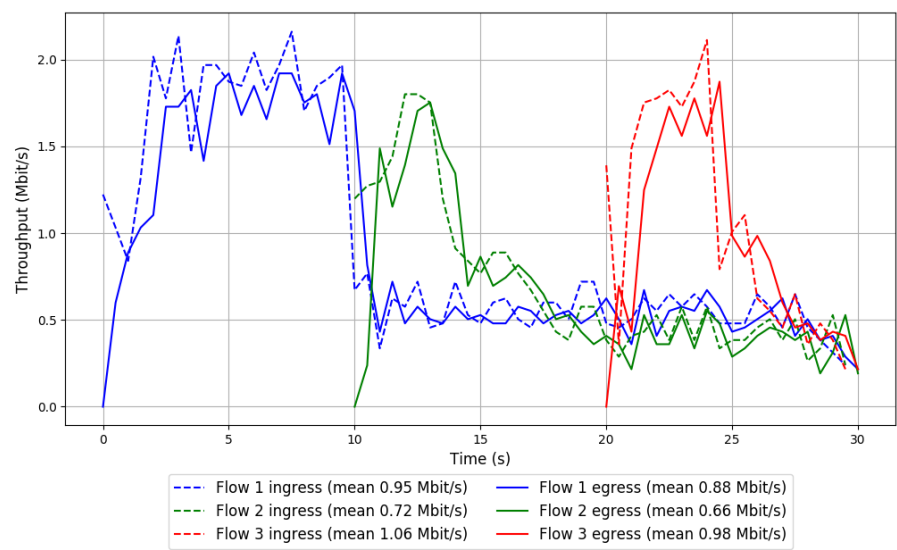


Run 3: Statistics of Indigo

Start at: 2018-05-25 08:18:46
End at: 2018-05-25 08:19:16
Local clock offset: 2.674 ms
Remote clock offset: -2.582 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.64 Mbit/s
95th percentile per-packet one-way delay: 243.413 ms
Loss rate: 8.47%
-- Flow 1:
Average throughput: 0.88 Mbit/s
95th percentile per-packet one-way delay: 225.439 ms
Loss rate: 7.82%
-- Flow 2:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 273.461 ms
Loss rate: 9.25%
-- Flow 3:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 236.251 ms
Loss rate: 9.17%
```

Run 3: Report of Indigo — Data Link

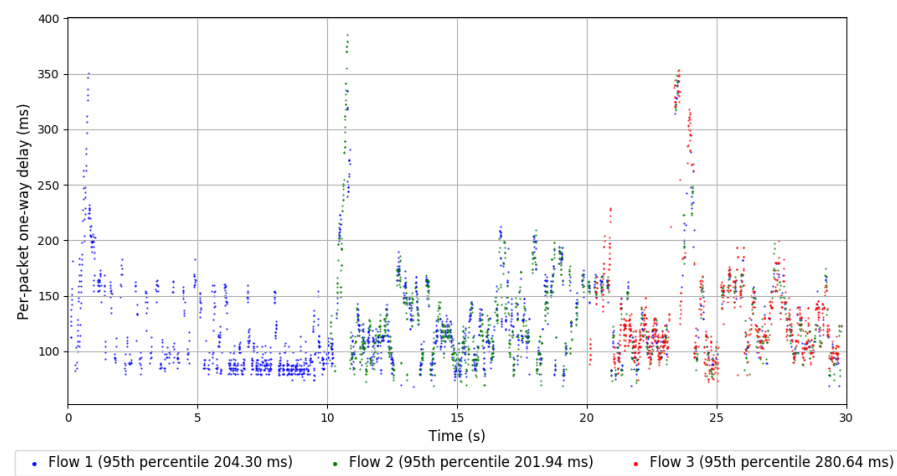
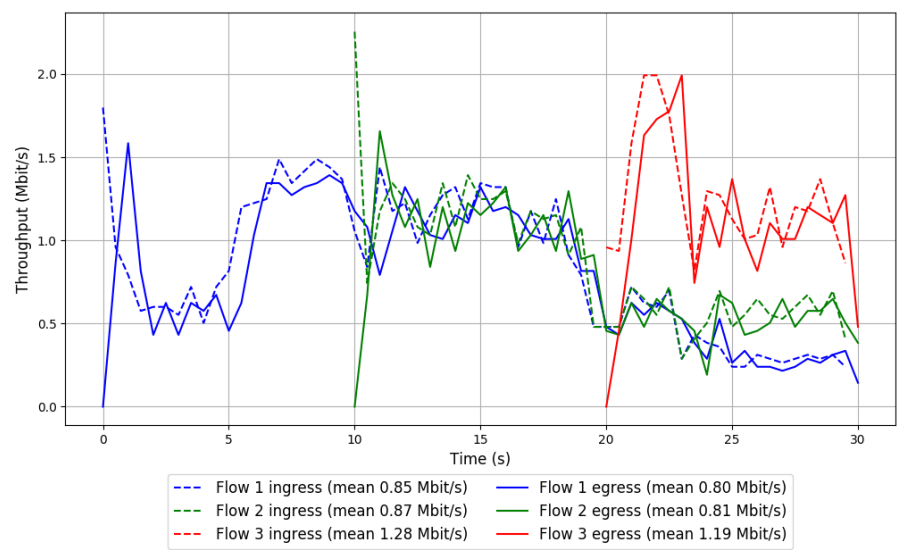


Run 4: Statistics of Indigo

Start at: 2018-05-25 08:43:07
End at: 2018-05-25 08:43:37
Local clock offset: 2.309 ms
Remote clock offset: 14.533 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 1.73 Mbit/s
95th percentile per-packet one-way delay: 207.014 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 0.80 Mbit/s
95th percentile per-packet one-way delay: 204.298 ms
Loss rate: 6.47%
-- Flow 2:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 201.937 ms
Loss rate: 7.84%
-- Flow 3:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 280.640 ms
Loss rate: 8.05%
```

Run 4: Report of Indigo — Data Link

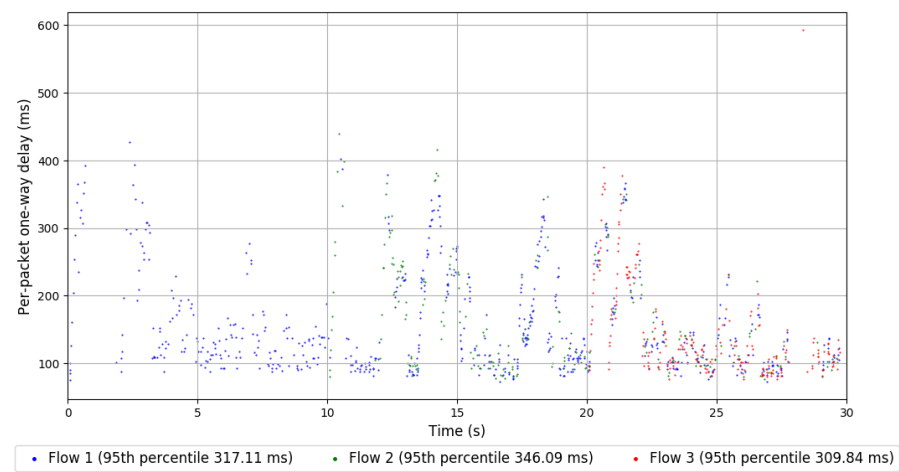
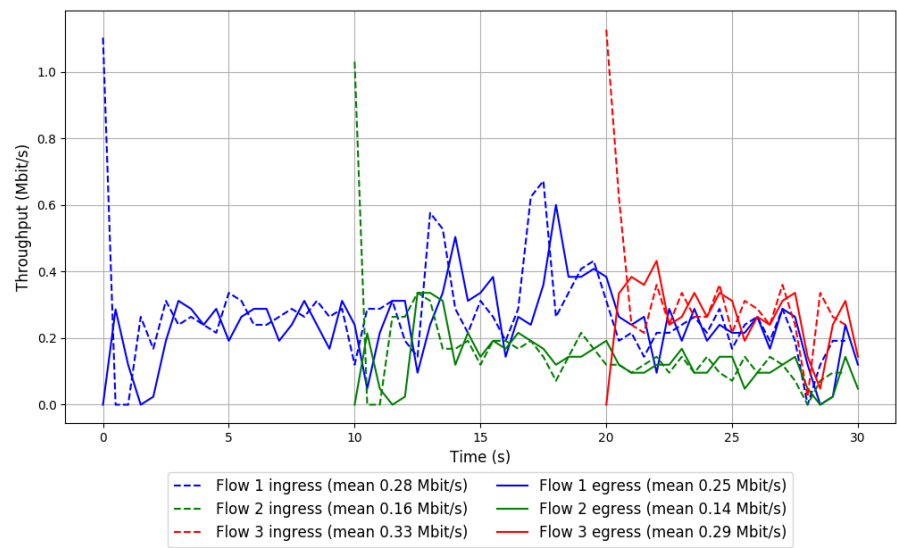


Run 5: Statistics of Indigo

Start at: 2018-05-25 09:03:58
End at: 2018-05-25 09:04:28
Local clock offset: 2.159 ms
Remote clock offset: 12.426 ms

Below is generated by plot.py at 2018-05-25 11:01:16
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 325.356 ms
Loss rate: 13.02%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 317.111 ms
Loss rate: 10.76%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 346.094 ms
Loss rate: 15.67%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 309.838 ms
Loss rate: 16.12%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-05-25 09:24:47

End at: 2018-05-25 09:25:17

Local clock offset: 2.118 ms

Remote clock offset: 6.151 ms

Below is generated by plot.py at 2018-05-25 11:01:16

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 239.899 ms

Loss rate: 8.25%

-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 235.064 ms

Loss rate: 7.29%

-- Flow 2:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 289.007 ms

Loss rate: 9.02%

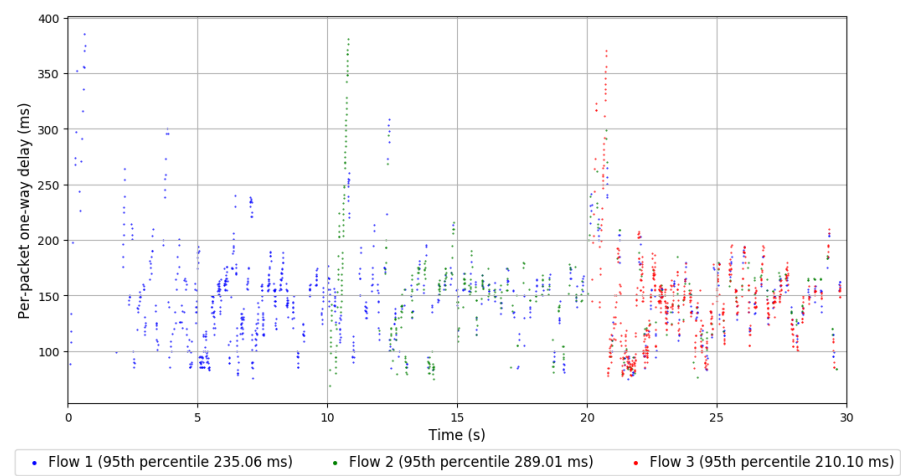
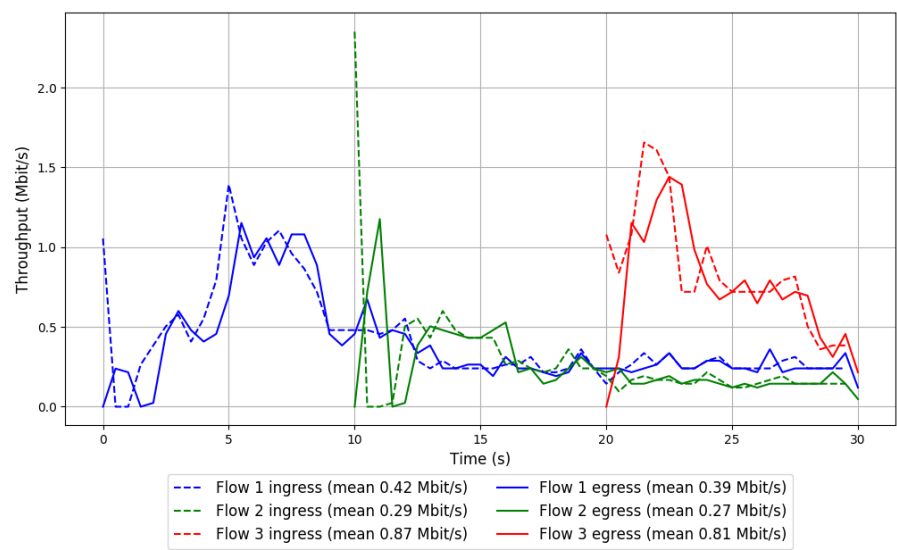
-- Flow 3:

Average throughput: 0.81 Mbit/s

95th percentile per-packet one-way delay: 210.097 ms

Loss rate: 9.14%

Run 6: Report of Indigo — Data Link

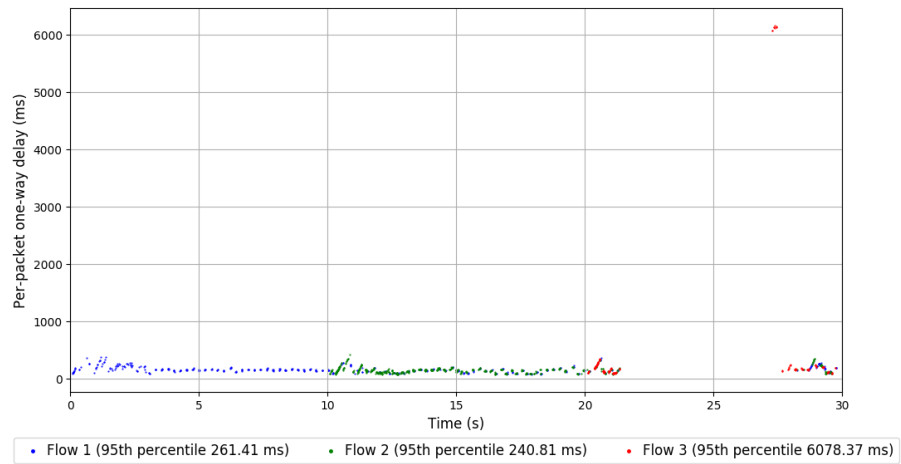
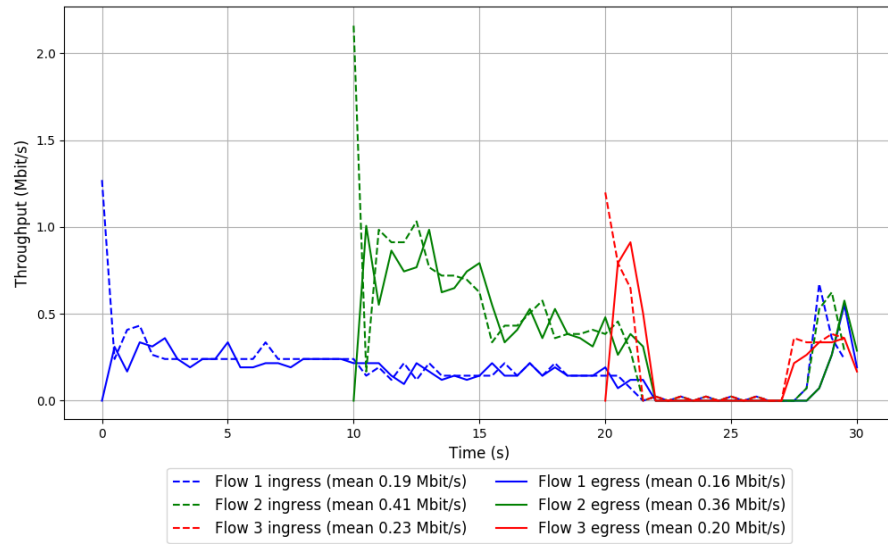


Run 7: Statistics of Indigo

Start at: 2018-05-25 09:45:37
End at: 2018-05-25 09:46:07
Local clock offset: 6.33 ms
Remote clock offset: 29.804 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 270.277 ms
Loss rate: 14.50%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 261.408 ms
Loss rate: 16.53%
-- Flow 2:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 240.809 ms
Loss rate: 13.13%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6078.373 ms
Loss rate: 14.27%
```

Run 7: Report of Indigo — Data Link

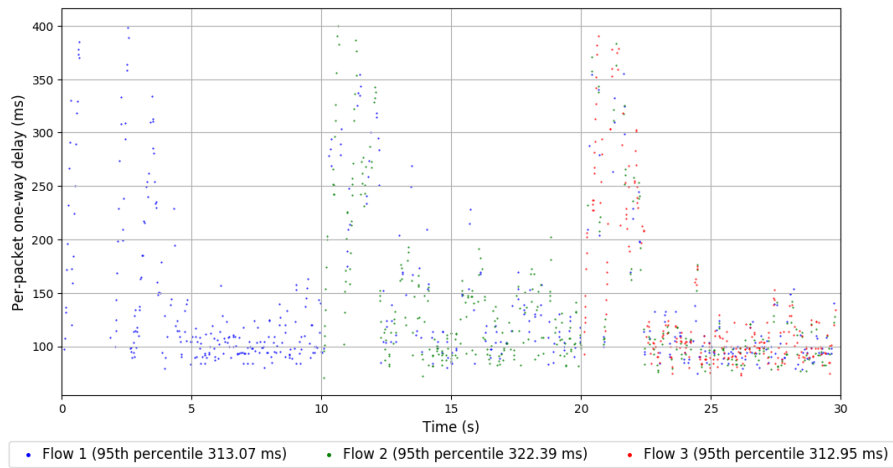
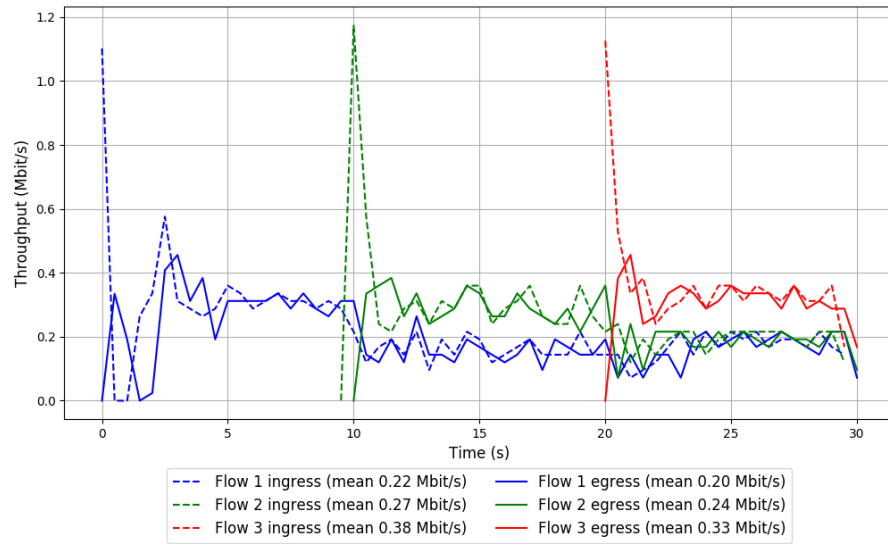


Run 8: Statistics of Indigo

Start at: 2018-05-25 10:06:26
End at: 2018-05-25 10:06:56
Local clock offset: 6.706 ms
Remote clock offset: 41.357 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 318.063 ms
Loss rate: 10.98%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 313.075 ms
Loss rate: 9.06%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 322.391 ms
Loss rate: 10.89%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 312.949 ms
Loss rate: 14.56%
```

Run 8: Report of Indigo — Data Link

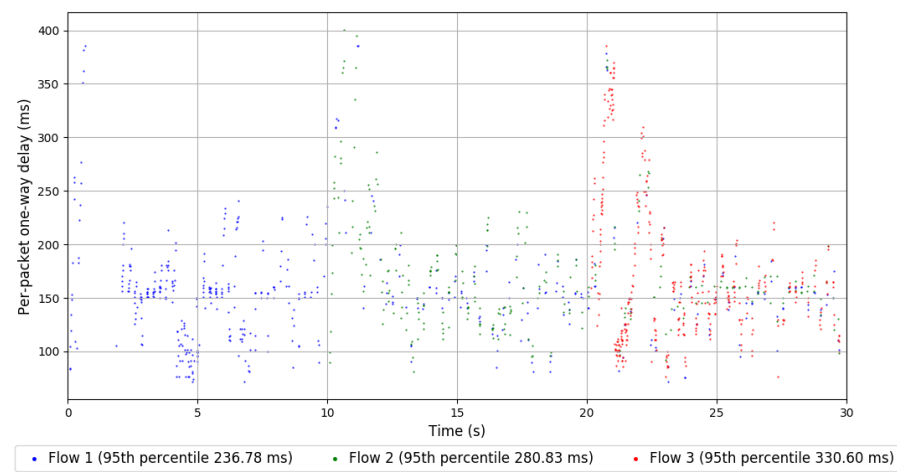
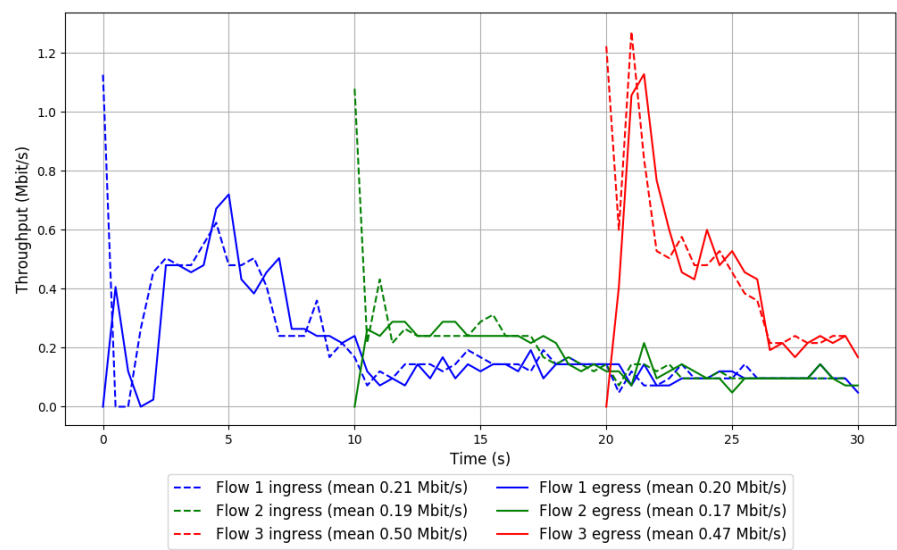


Run 9: Statistics of Indigo

Start at: 2018-05-25 10:27:15
End at: 2018-05-25 10:27:45
Local clock offset: 7.003 ms
Remote clock offset: 60.416 ms

Below is generated by plot.py at 2018-05-25 11:01:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 296.311 ms
Loss rate: 9.49%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 236.780 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 280.835 ms
Loss rate: 12.93%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 330.600 ms
Loss rate: 8.31%

Run 9: Report of Indigo — Data Link

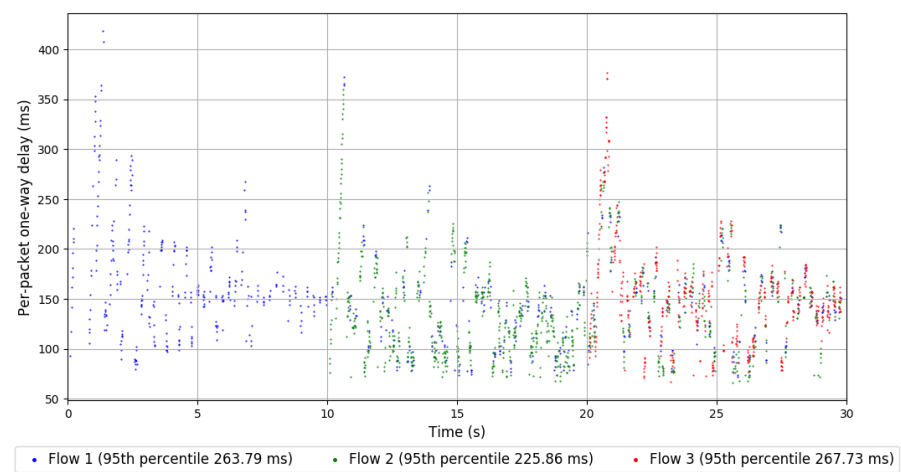
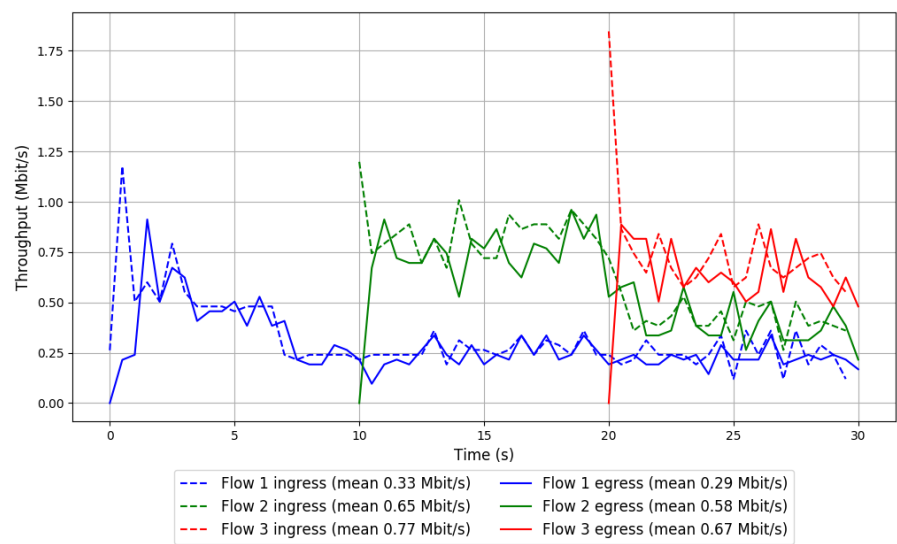


Run 10: Statistics of Indigo

Start at: 2018-05-25 10:48:05
End at: 2018-05-25 10:48:35
Local clock offset: 7.264 ms
Remote clock offset: 46.524 ms

Below is generated by plot.py at 2018-05-25 11:01:19
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 243.806 ms
Loss rate: 11.19%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 263.789 ms
Loss rate: 10.31%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 225.859 ms
Loss rate: 10.38%
-- Flow 3:
Average throughput: 0.67 Mbit/s
95th percentile per-packet one-way delay: 267.728 ms
Loss rate: 13.69%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-05-25 07:46:02

End at: 2018-05-25 07:46:32

Local clock offset: 1.092 ms

Remote clock offset: 5.412 ms

Below is generated by plot.py at 2018-05-25 11:01:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 200.781 ms

Loss rate: 6.98%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 196.231 ms

Loss rate: 6.41%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 201.046 ms

Loss rate: 7.17%

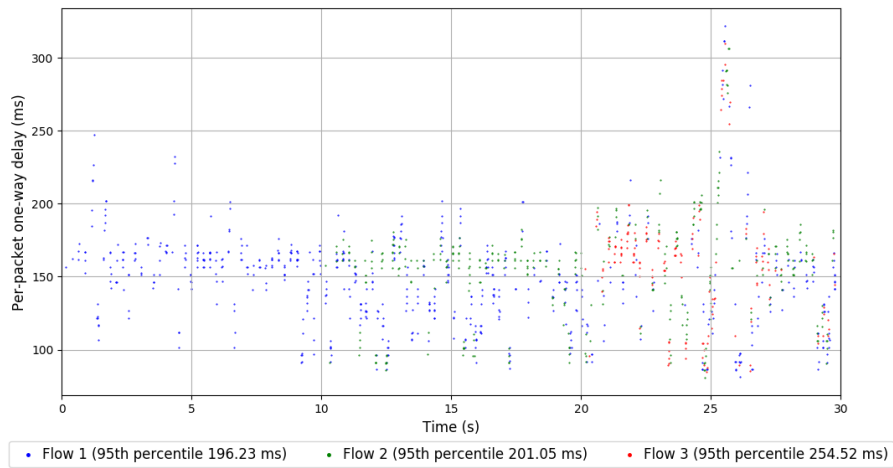
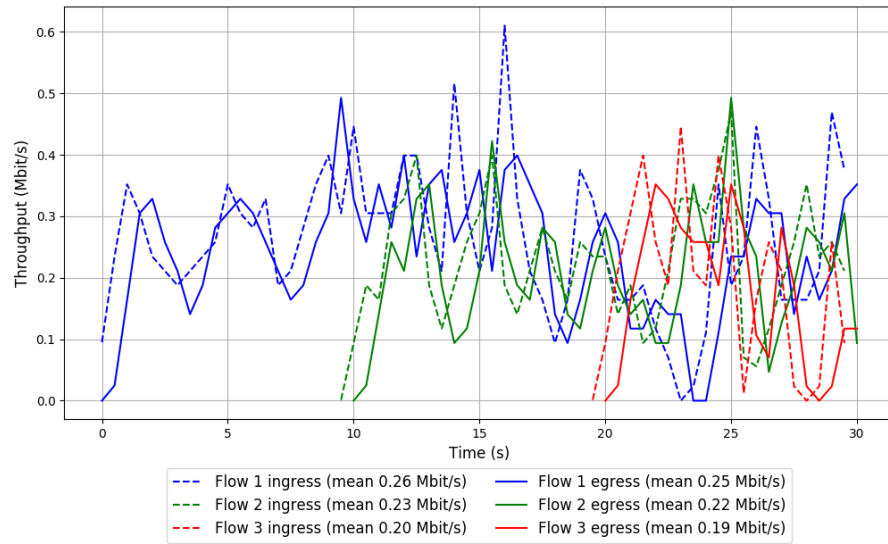
-- Flow 3:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 254.516 ms

Loss rate: 8.74%

Run 1: Report of LEDBAT — Data Link

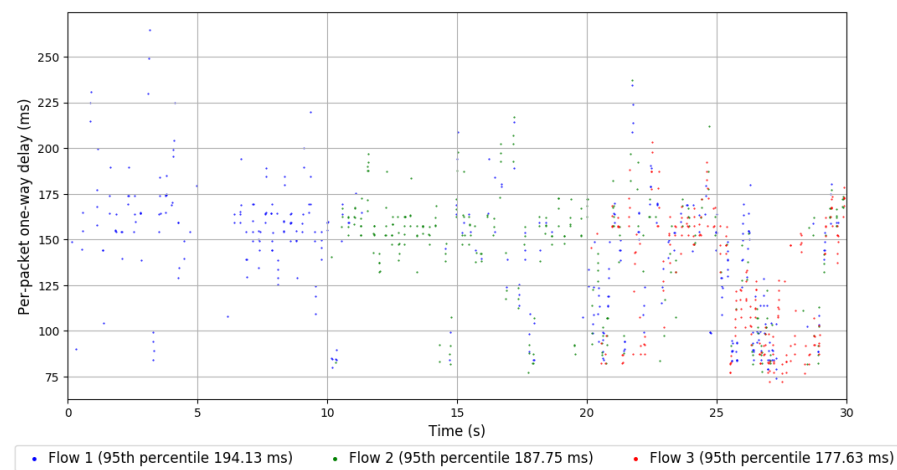
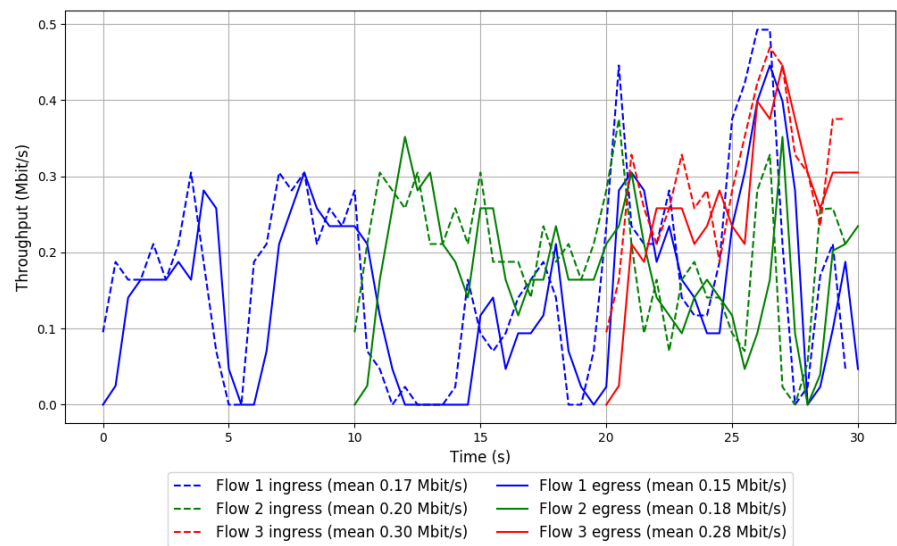


Run 2: Statistics of LEDBAT

Start at: 2018-05-25 08:06:52
End at: 2018-05-25 08:07:22
Local clock offset: 2.187 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2018-05-25 11:01:20
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 188.938 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 194.130 ms
Loss rate: 10.37%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 187.746 ms
Loss rate: 8.75%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 177.633 ms
Loss rate: 8.66%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-05-25 08:30:14

End at: 2018-05-25 08:30:44

Local clock offset: 2.702 ms

Remote clock offset: 6.536 ms

Below is generated by plot.py at 2018-05-25 11:01:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 221.624 ms

Loss rate: 5.33%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 208.364 ms

Loss rate: 5.80%

-- Flow 2:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 232.926 ms

Loss rate: 4.66%

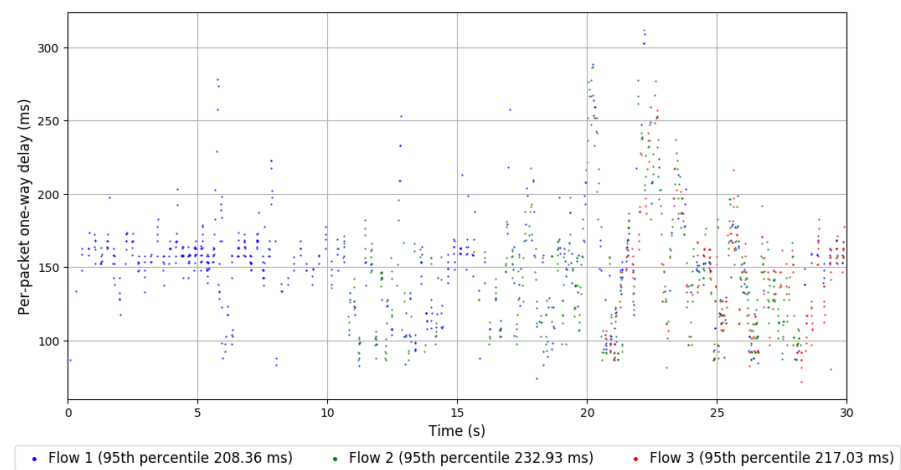
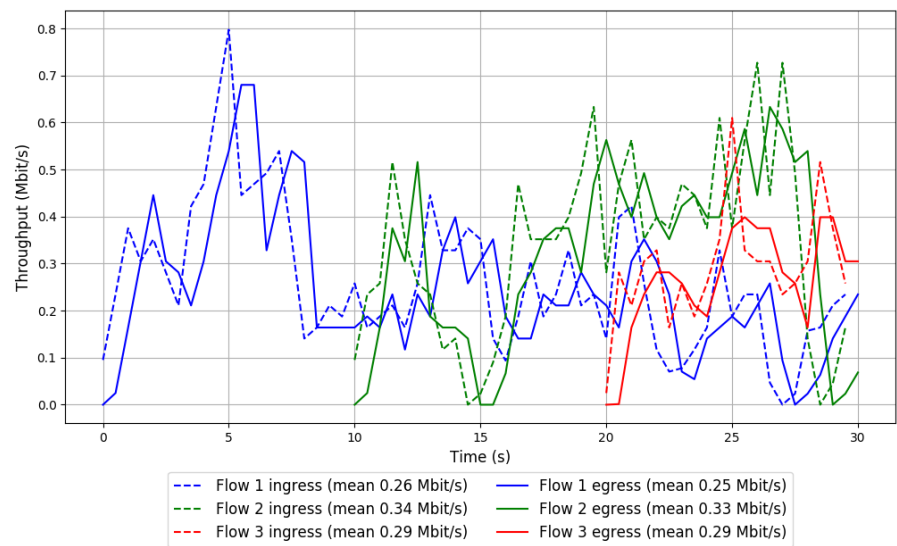
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 217.027 ms

Loss rate: 5.60%

Run 3: Report of LEDBAT — Data Link

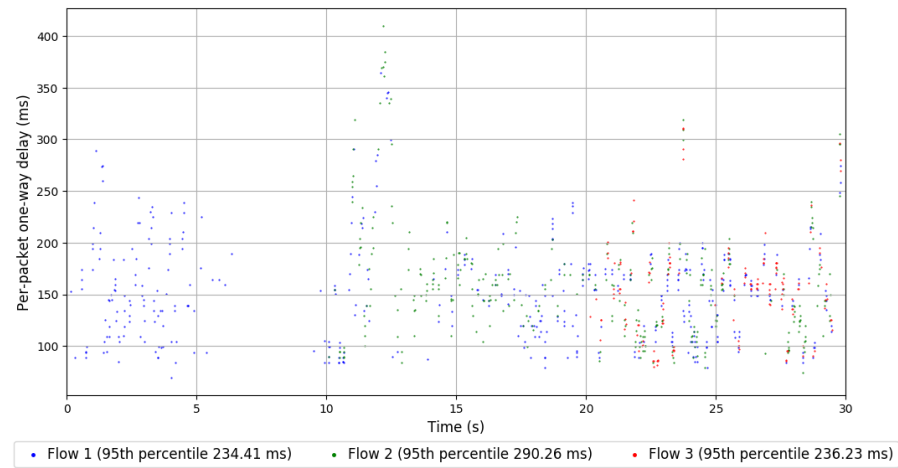
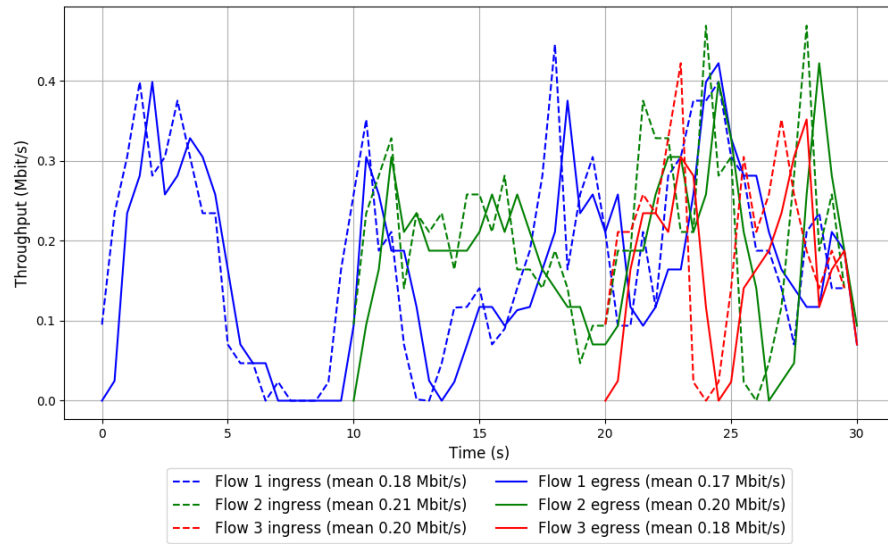


Run 4: Statistics of LEDBAT

Start at: 2018-05-25 08:52:14
End at: 2018-05-25 08:52:44
Local clock offset: 2.249 ms
Remote clock offset: 17.006 ms

Below is generated by plot.py at 2018-05-25 11:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 244.455 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 234.407 ms
Loss rate: 7.92%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 290.264 ms
Loss rate: 7.00%
-- Flow 3:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 236.227 ms
Loss rate: 11.76%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2018-05-25 09:13:04

End at: 2018-05-25 09:13:34

Local clock offset: 2.131 ms

Remote clock offset: 8.338 ms

Below is generated by plot.py at 2018-05-25 11:01:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 203.268 ms

Loss rate: 5.16%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 212.229 ms

Loss rate: 6.35%

-- Flow 2:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 197.012 ms

Loss rate: 4.30%

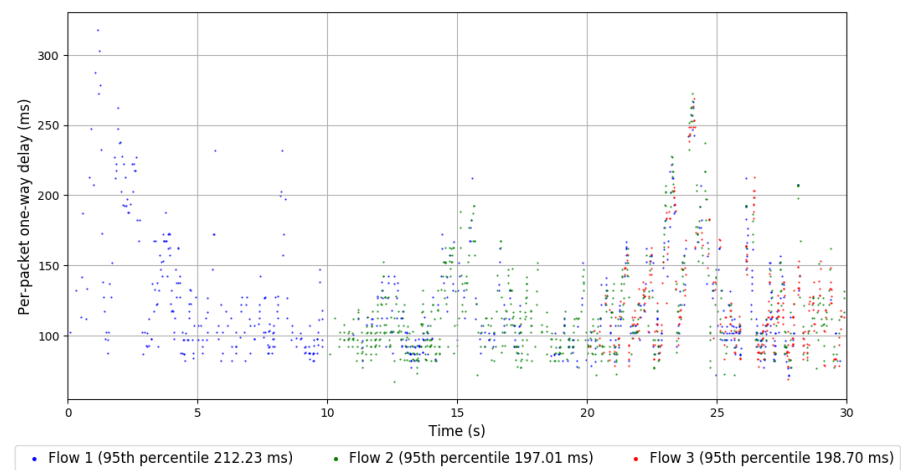
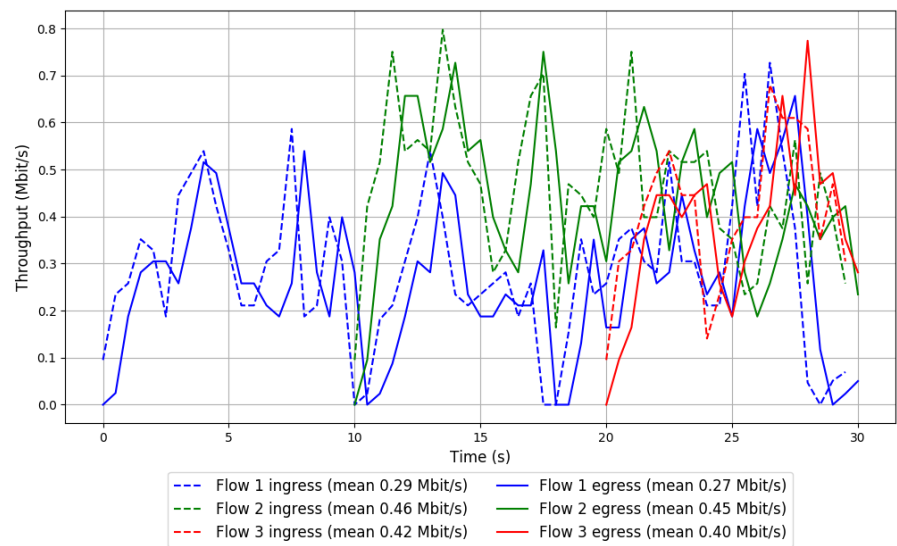
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 198.698 ms

Loss rate: 4.57%

Run 5: Report of LEDBAT — Data Link

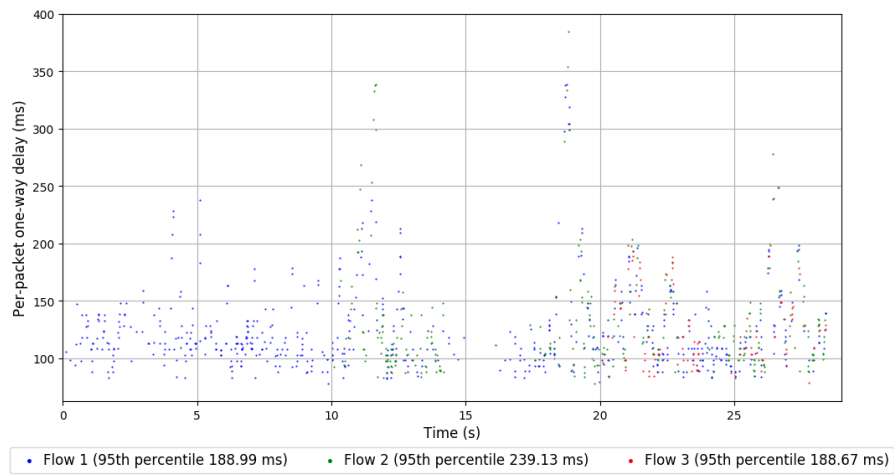
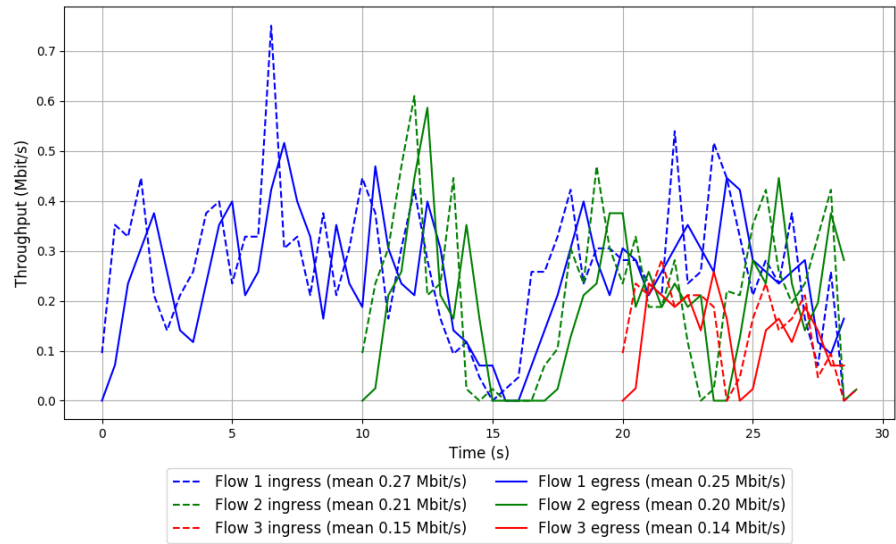


Run 6: Statistics of LEDBAT

Start at: 2018-05-25 09:33:54
End at: 2018-05-25 09:34:24
Local clock offset: 4.943 ms
Remote clock offset: 10.976 ms

Below is generated by plot.py at 2018-05-25 11:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 198.187 ms
Loss rate: 9.86%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 188.987 ms
Loss rate: 8.94%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 239.127 ms
Loss rate: 10.05%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 188.672 ms
Loss rate: 14.52%

Run 6: Report of LEDBAT — Data Link

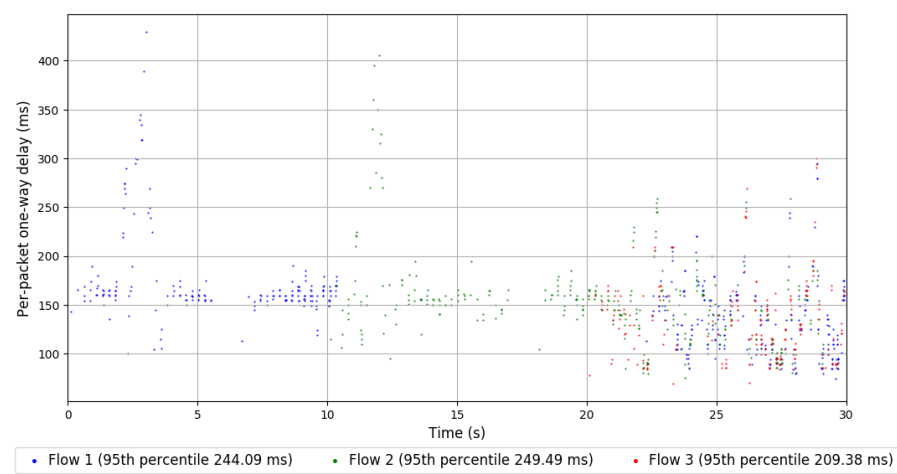
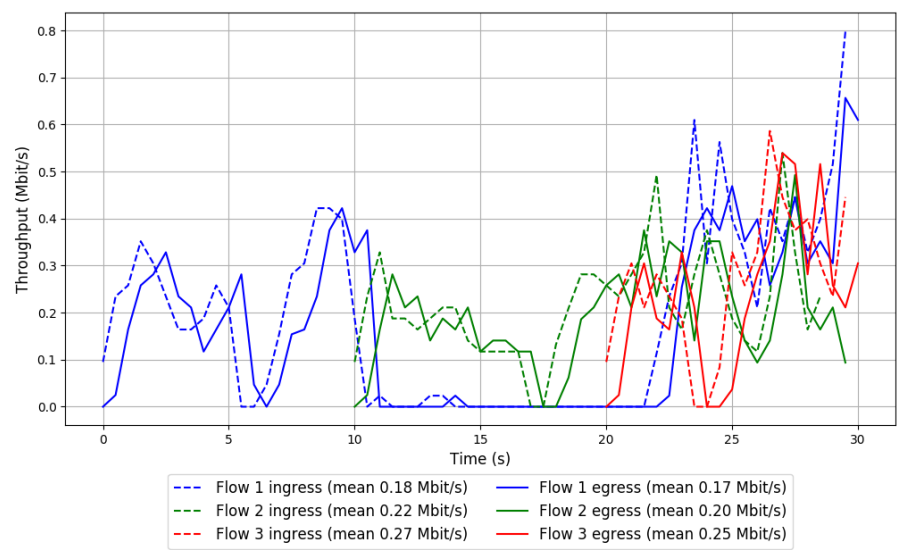


Run 7: Statistics of LEDBAT

Start at: 2018-05-25 09:54:44
End at: 2018-05-25 09:55:14
Local clock offset: 7.279 ms
Remote clock offset: 36.035 ms

Below is generated by plot.py at 2018-05-25 11:01:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 240.362 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 244.090 ms
Loss rate: 6.35%
-- Flow 2:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 249.486 ms
Loss rate: 6.31%
-- Flow 3:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 209.376 ms
Loss rate: 7.91%

Run 7: Report of LEDBAT — Data Link

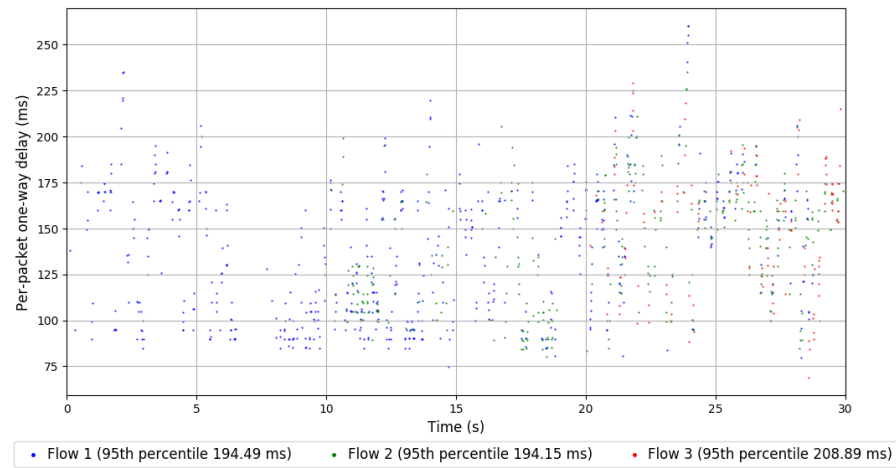
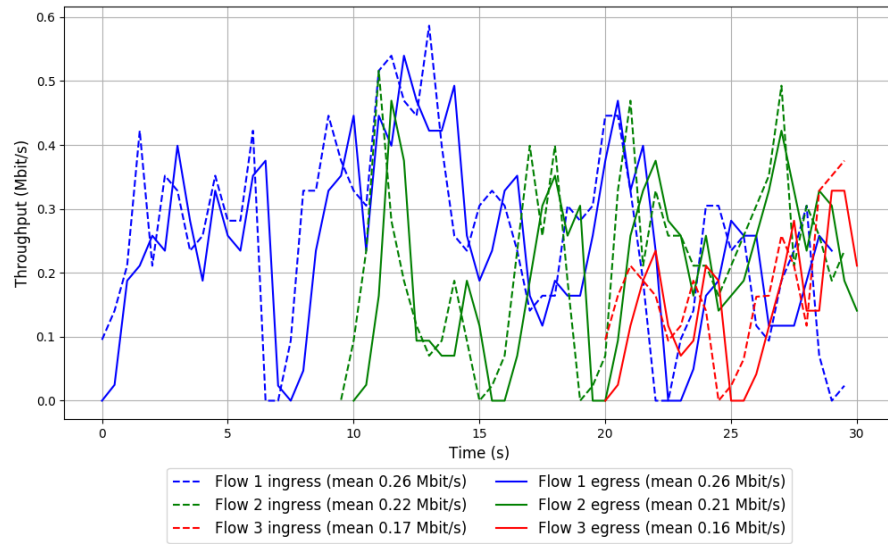


Run 8: Statistics of LEDBAT

Start at: 2018-05-25 10:15:32
End at: 2018-05-25 10:16:02
Local clock offset: 6.801 ms
Remote clock offset: 52.077 ms

Below is generated by plot.py at 2018-05-25 11:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 194.832 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 194.487 ms
Loss rate: 5.88%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 194.153 ms
Loss rate: 6.93%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 208.894 ms
Loss rate: 11.66%

Run 8: Report of LEDBAT — Data Link

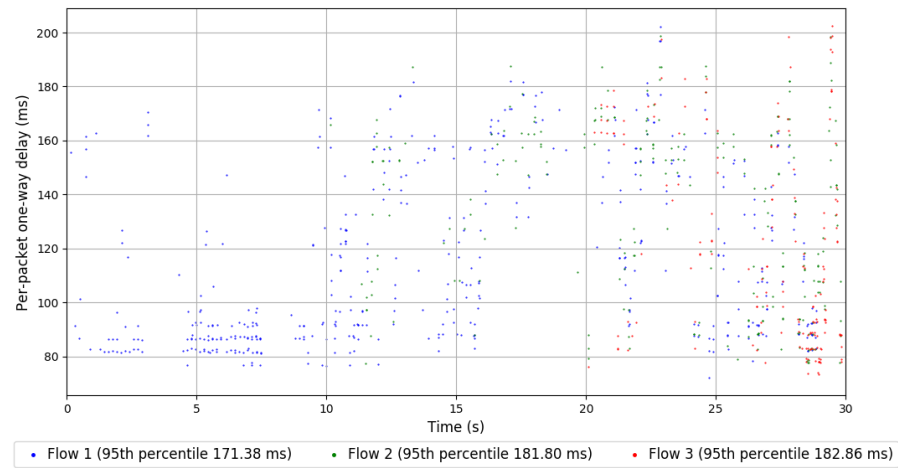
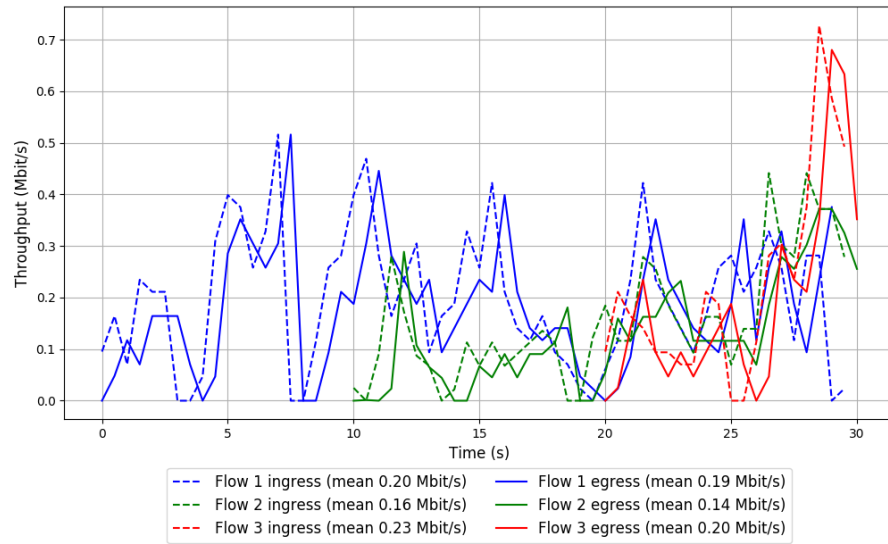


Run 9: Statistics of LEDBAT

Start at: 2018-05-25 10:36:22
End at: 2018-05-25 10:36:52
Local clock offset: 6.957 ms
Remote clock offset: 65.395 ms

Below is generated by plot.py at 2018-05-25 11:01:23
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 177.224 ms
Loss rate: 11.28%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 171.382 ms
Loss rate: 10.19%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 181.803 ms
Loss rate: 13.90%
-- Flow 3:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 182.857 ms
Loss rate: 10.53%

Run 9: Report of LEDBAT — Data Link

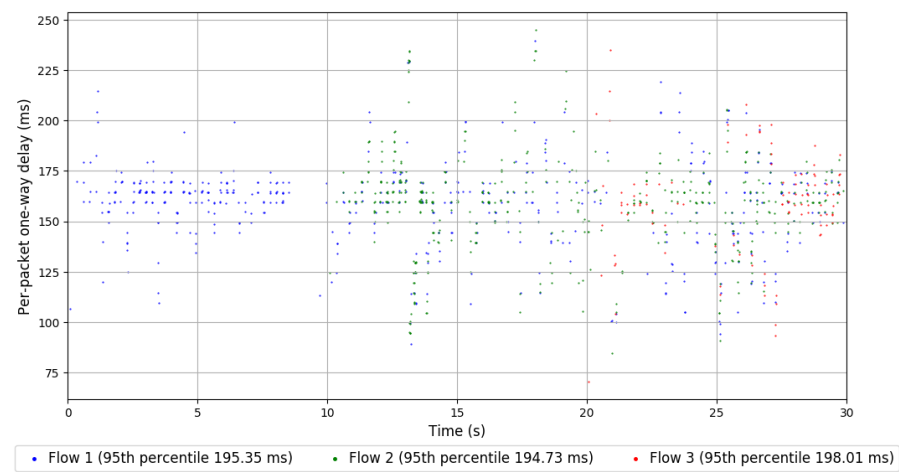
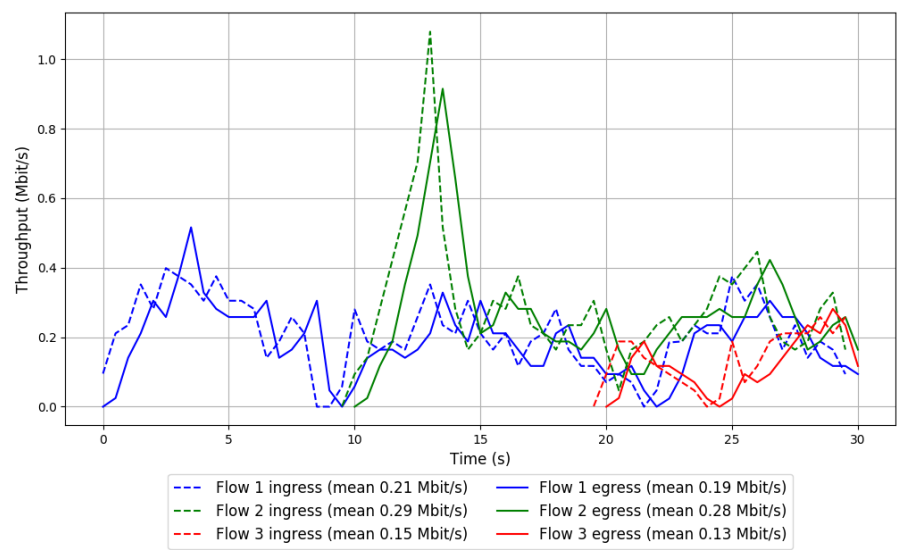


Run 10: Statistics of LEDBAT

Start at: 2018-05-25 10:57:16
End at: 2018-05-25 10:57:46
Local clock offset: 7.221 ms
Remote clock offset: 33.563 ms

Below is generated by plot.py at 2018-05-25 11:01:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 195.186 ms
Loss rate: 7.72%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 195.355 ms
Loss rate: 8.48%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 194.732 ms
Loss rate: 5.21%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 198.014 ms
Loss rate: 14.63%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-05-25 07:35:30

End at: 2018-05-25 07:36:00

Local clock offset: 2.122 ms

Remote clock offset: 3.254 ms

Below is generated by plot.py at 2018-05-25 11:01:27

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 726.751 ms

Loss rate: 78.01%

-- Flow 1:

Average throughput: 0.90 Mbit/s

95th percentile per-packet one-way delay: 657.130 ms

Loss rate: 71.09%

-- Flow 2:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 738.714 ms

Loss rate: 81.62%

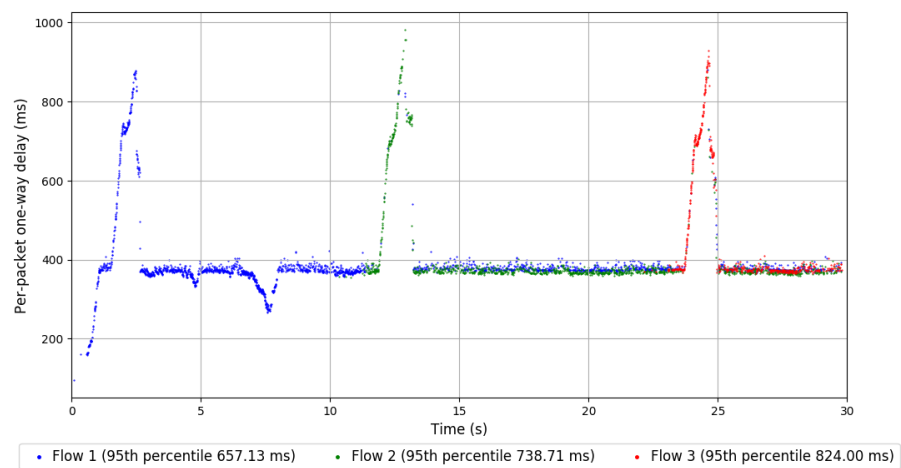
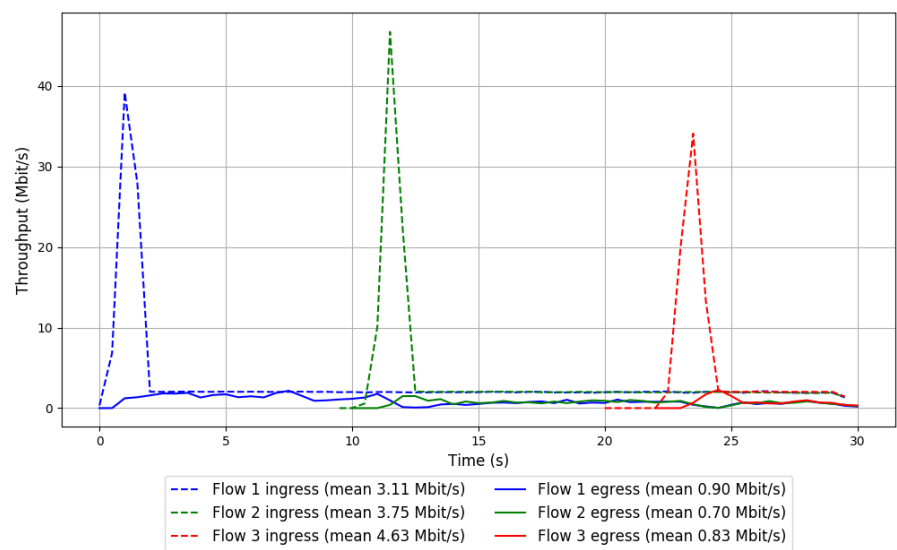
-- Flow 3:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 823.999 ms

Loss rate: 86.19%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-05-25 07:56:27

End at: 2018-05-25 07:56:57

Local clock offset: 0.677 ms

Remote clock offset: 1.885 ms

Below is generated by plot.py at 2018-05-25 11:01:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 730.532 ms

Loss rate: 77.86%

-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 614.148 ms

Loss rate: 68.70%

-- Flow 2:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 729.581 ms

Loss rate: 80.29%

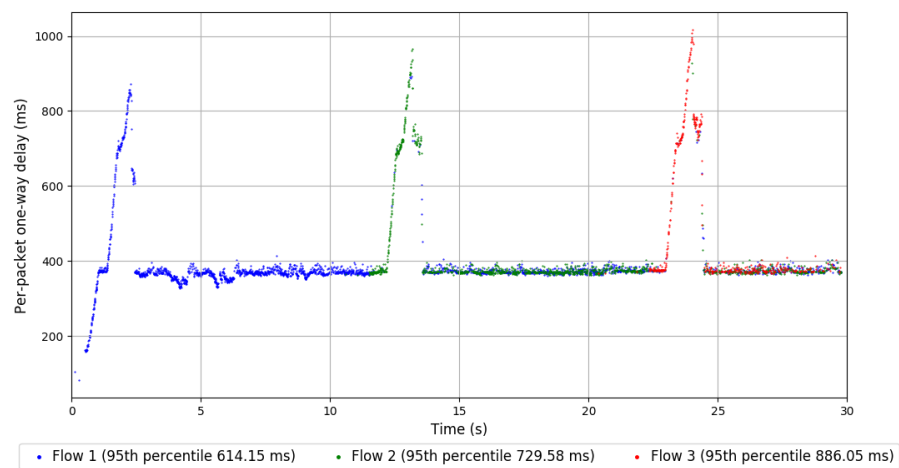
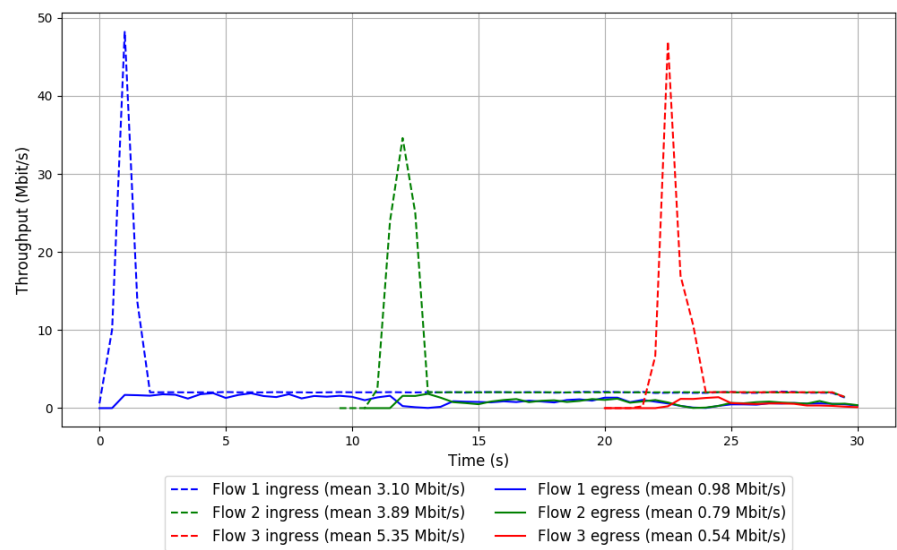
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 886.048 ms

Loss rate: 90.40%

Run 2: Report of PCC-Allegro — Data Link

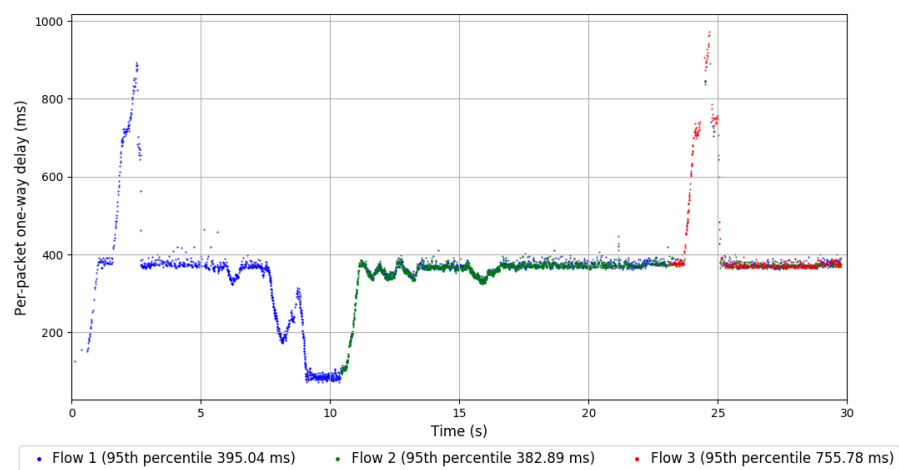
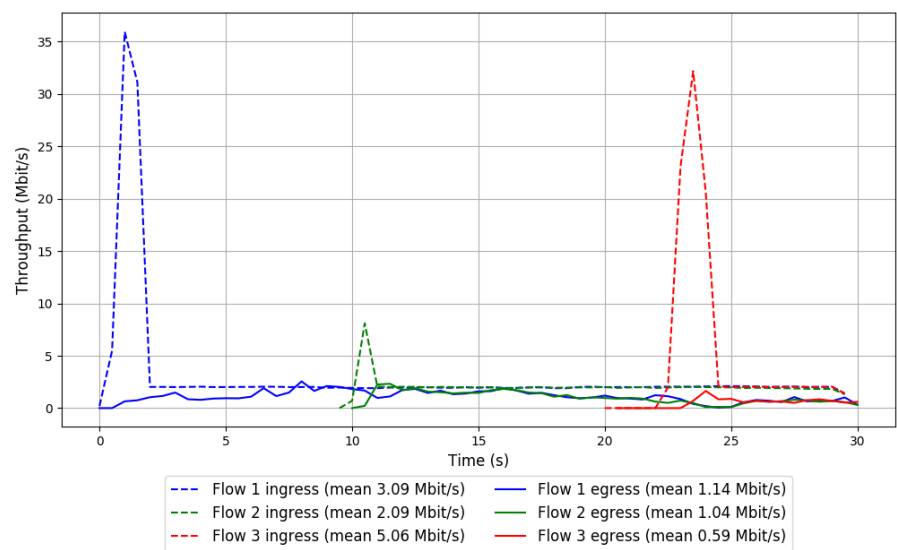


Run 3: Statistics of PCC-Allegro

Start at: 2018-05-25 08:17:25
End at: 2018-05-25 08:17:55
Local clock offset: 2.649 ms
Remote clock offset: -2.445 ms

Below is generated by plot.py at 2018-05-25 11:01:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.00 Mbit/s
95th percentile per-packet one-way delay: 420.008 ms
Loss rate: 67.61%
-- Flow 1:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 395.035 ms
Loss rate: 63.47%
-- Flow 2:
Average throughput: 1.04 Mbit/s
95th percentile per-packet one-way delay: 382.886 ms
Loss rate: 50.62%
-- Flow 3:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 755.776 ms
Loss rate: 89.44%

Run 3: Report of PCC-Allegro — Data Link

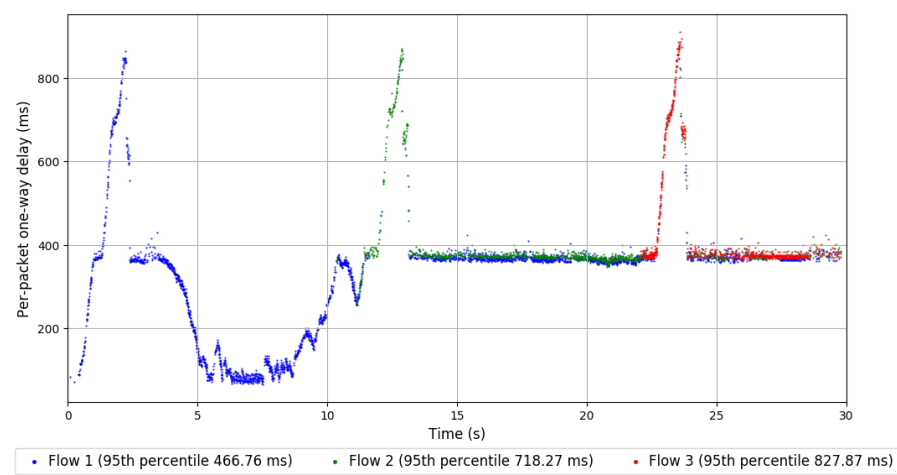
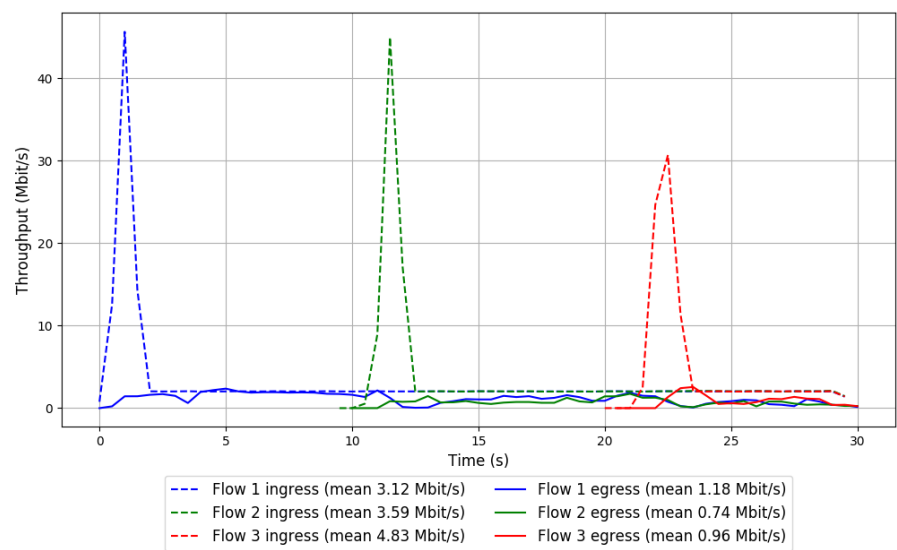


Run 4: Statistics of PCC-Allegro

Start at: 2018-05-25 08:41:49
End at: 2018-05-25 08:42:19
Local clock offset: 2.31 ms
Remote clock offset: 14.081 ms

Below is generated by plot.py at 2018-05-25 11:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 699.527 ms
Loss rate: 72.66%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 466.757 ms
Loss rate: 62.45%
-- Flow 2:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 718.275 ms
Loss rate: 79.82%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 827.868 ms
Loss rate: 81.98%

Run 4: Report of PCC-Allegro — Data Link

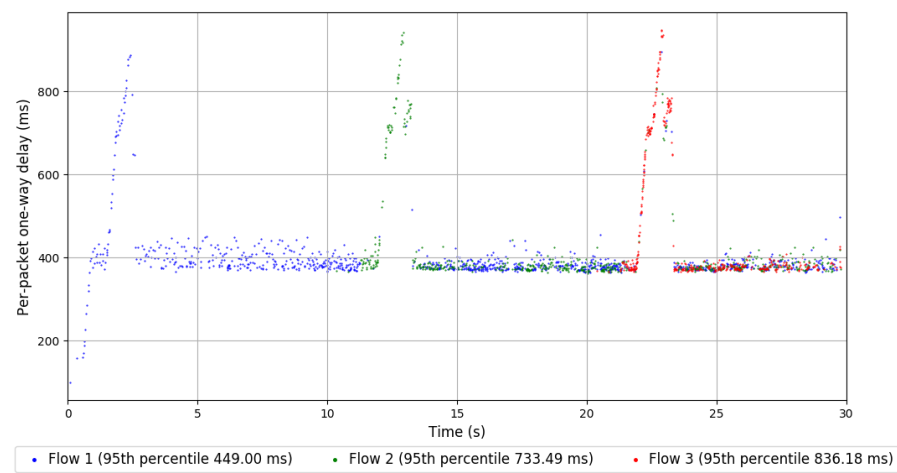
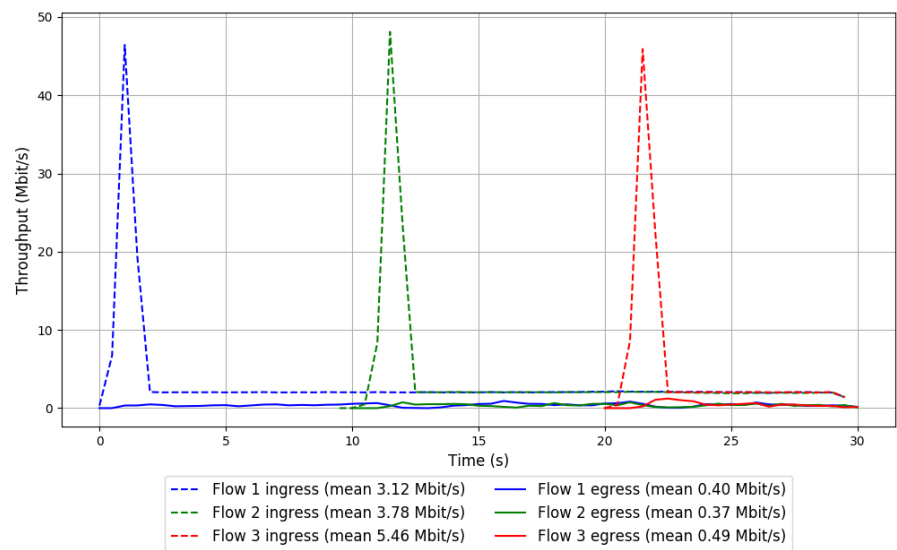


Run 5: Statistics of PCC-Allegro

Start at: 2018-05-25 09:02:40
End at: 2018-05-25 09:03:10
Local clock offset: 2.19 ms
Remote clock offset: 13.259 ms

Below is generated by plot.py at 2018-05-25 11:01:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.79 Mbit/s
95th percentile per-packet one-way delay: 739.230 ms
Loss rate: 89.40%
-- Flow 1:
Average throughput: 0.40 Mbit/s
95th percentile per-packet one-way delay: 448.999 ms
Loss rate: 87.34%
-- Flow 2:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 733.488 ms
Loss rate: 90.47%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 836.185 ms
Loss rate: 91.48%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-05-25 09:23:29

End at: 2018-05-25 09:23:59

Local clock offset: 2.236 ms

Remote clock offset: 6.381 ms

Below is generated by plot.py at 2018-05-25 11:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.61 Mbit/s

95th percentile per-packet one-way delay: 690.297 ms

Loss rate: 74.33%

-- Flow 1:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 389.251 ms

Loss rate: 53.26%

-- Flow 2:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 748.842 ms

Loss rate: 81.05%

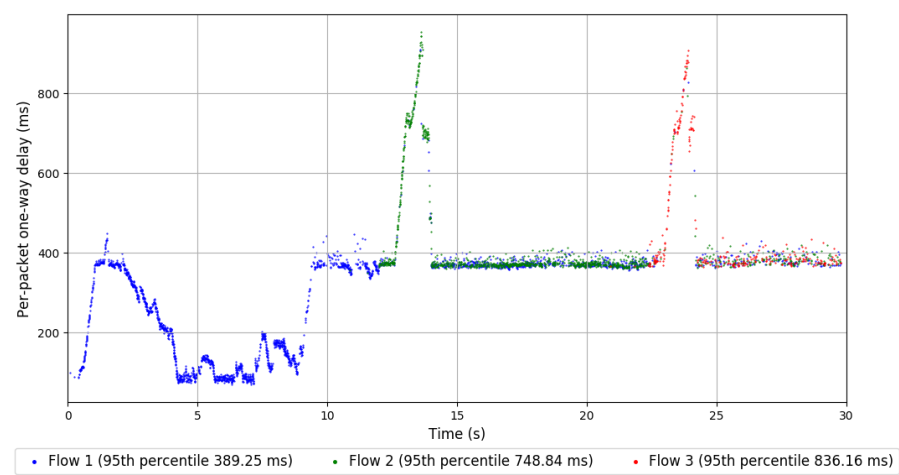
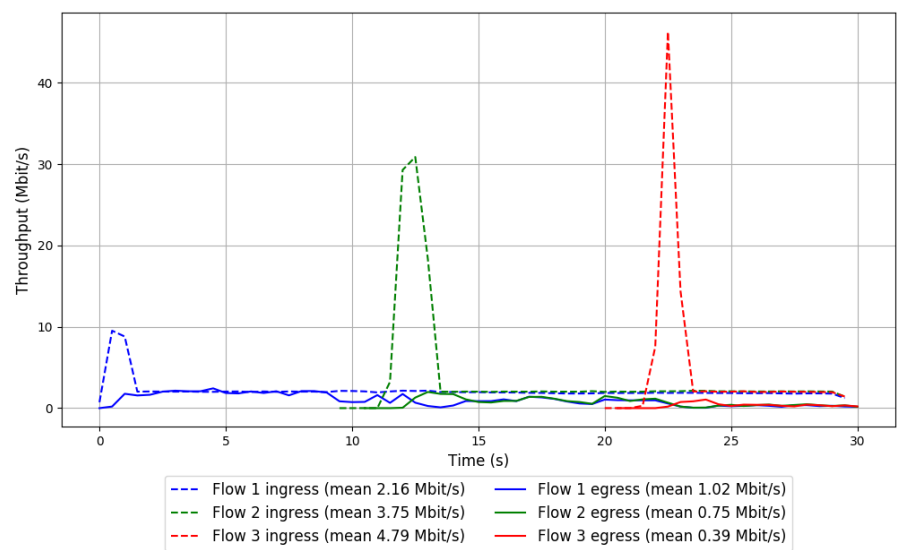
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 836.165 ms

Loss rate: 92.64%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

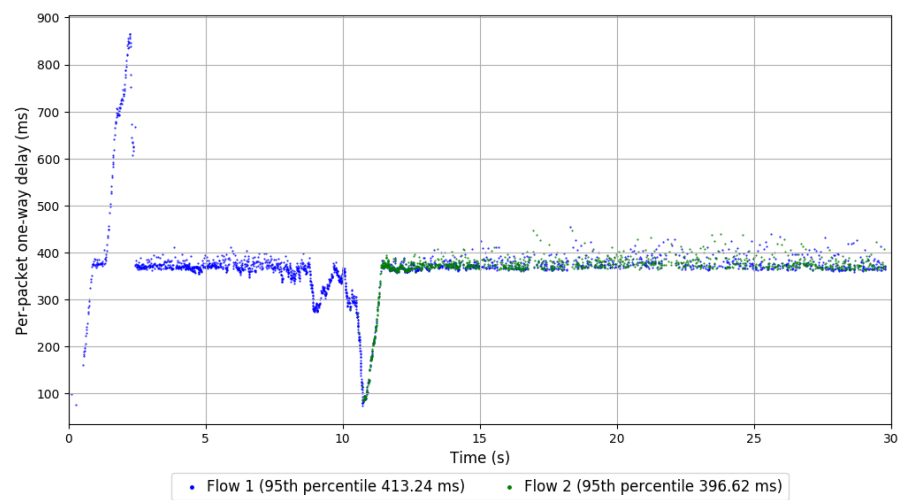
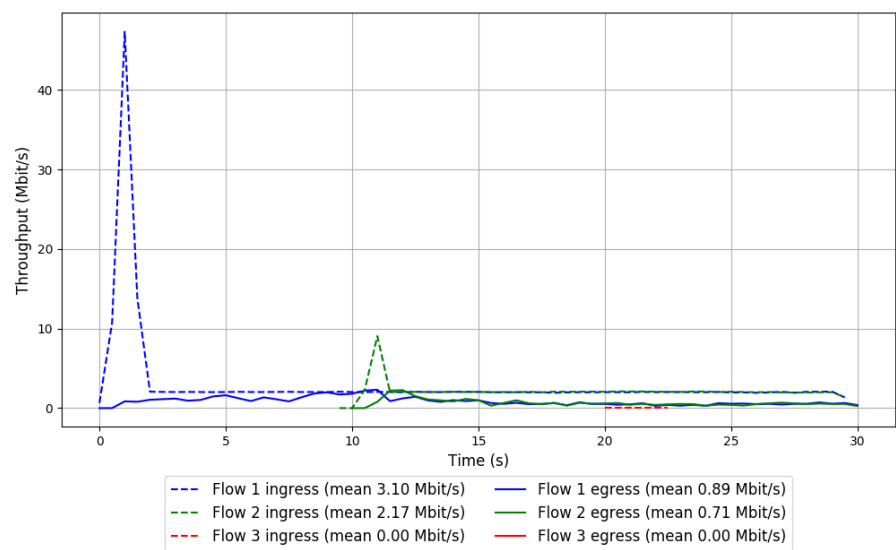
Start at: 2018-05-25 09:44:19

End at: 2018-05-25 09:44:49

Local clock offset: 6.202 ms

Remote clock offset: 28.737 ms

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-05-25 10:05:08

End at: 2018-05-25 10:05:38

Local clock offset: 6.844 ms

Remote clock offset: 40.4 ms

Below is generated by plot.py at 2018-05-25 11:01:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 684.999 ms

Loss rate: 84.08%

-- Flow 1:

Average throughput: 0.87 Mbit/s

95th percentile per-packet one-way delay: 619.643 ms

Loss rate: 72.57%

-- Flow 2:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 724.433 ms

Loss rate: 83.18%

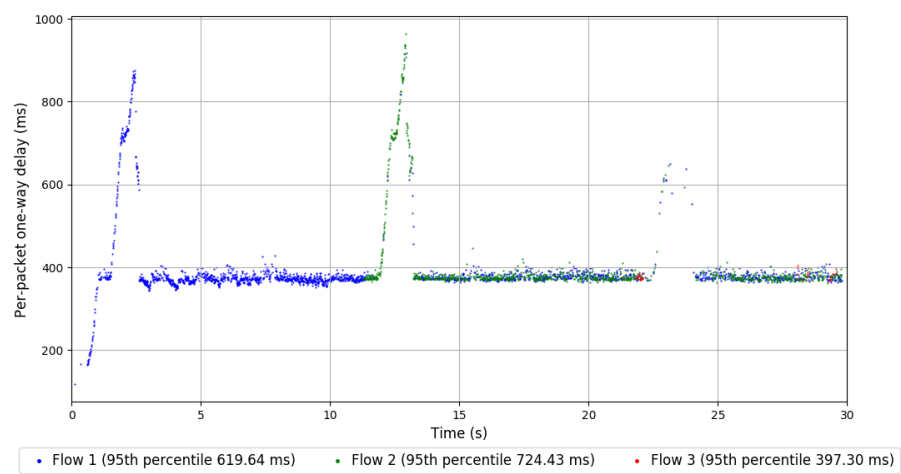
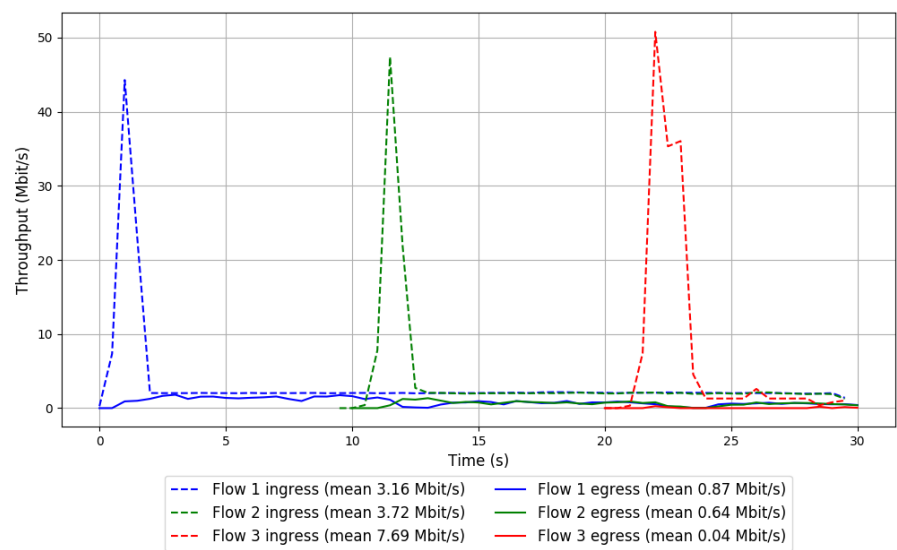
-- Flow 3:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 397.301 ms

Loss rate: 99.48%

Run 8: Report of PCC-Allegro — Data Link

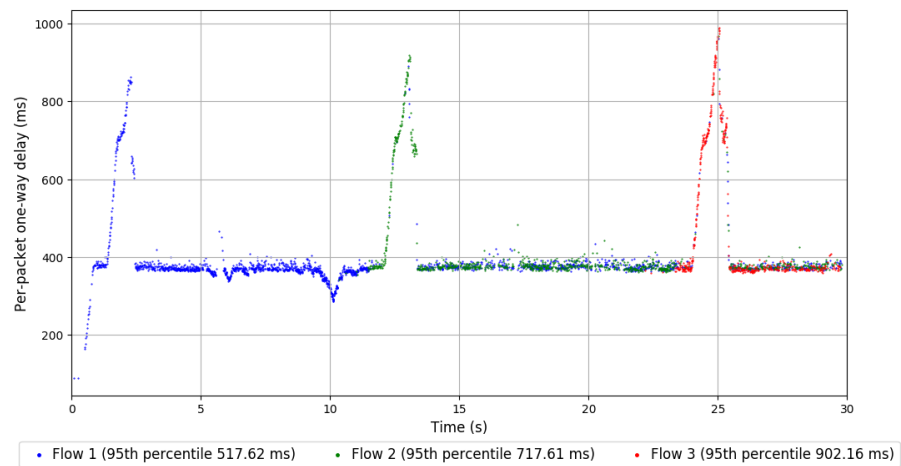
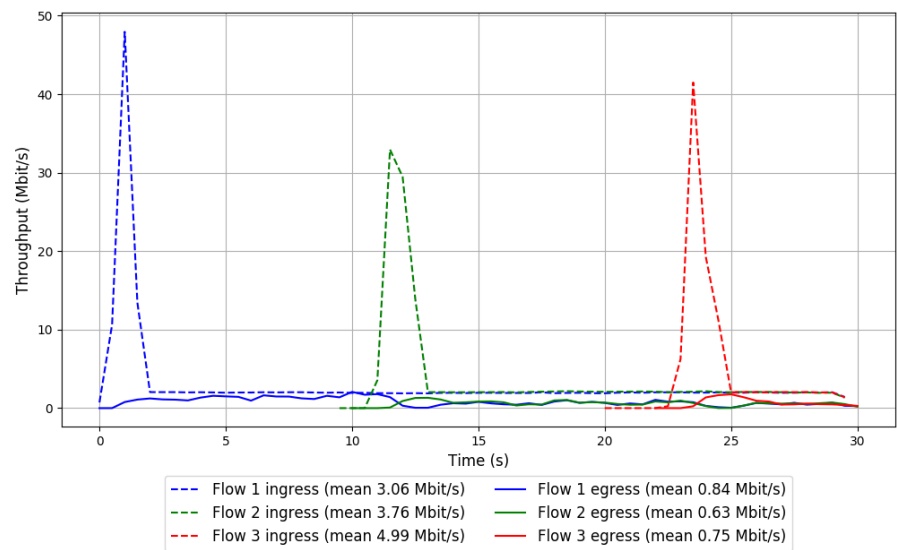


Run 9: Statistics of PCC-Allegro

Start at: 2018-05-25 10:25:57
End at: 2018-05-25 10:26:27
Local clock offset: 7.184 ms
Remote clock offset: 59.391 ms

Below is generated by plot.py at 2018-05-25 11:01:38
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 722.570 ms
Loss rate: 80.09%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 517.624 ms
Loss rate: 72.73%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 717.611 ms
Loss rate: 83.66%
-- Flow 3:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 902.164 ms
Loss rate: 88.39%

Run 9: Report of PCC-Allegro — Data Link

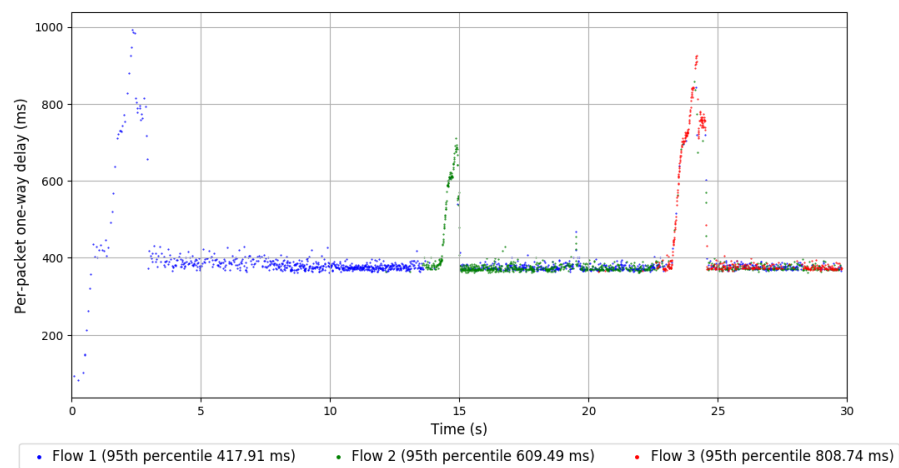
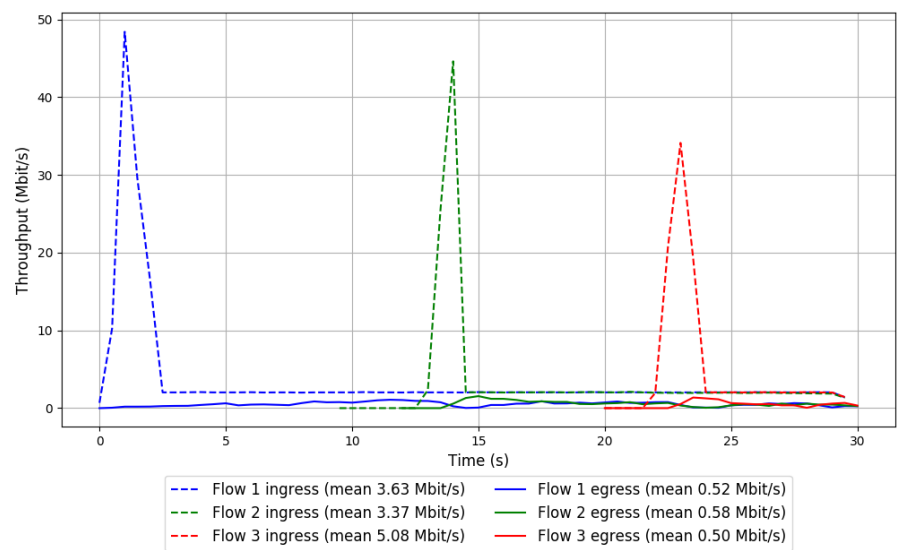


Run 10: Statistics of PCC-Allegro

Start at: 2018-05-25 10:46:46
End at: 2018-05-25 10:47:16
Local clock offset: 7.065 ms
Remote clock offset: 49.048 ms

Below is generated by plot.py at 2018-05-25 11:01:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 694.806 ms
Loss rate: 86.53%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 417.907 ms
Loss rate: 85.72%
-- Flow 2:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 609.492 ms
Loss rate: 84.77%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 808.737 ms
Loss rate: 90.63%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-05-25 07:32:53

End at: 2018-05-25 07:33:23

Local clock offset: 2.718 ms

Remote clock offset: 3.139 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-05-25 07:53:51

End at: 2018-05-25 07:54:21

Local clock offset: 0.587 ms

Remote clock offset: 3.094 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-05-25 08:14:41

End at: 2018-05-25 08:15:11

Local clock offset: 2.564 ms

Remote clock offset: -2.31 ms

Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr

Start at: 2018-05-25 08:39:12

End at: 2018-05-25 08:39:42

Local clock offset: 2.347 ms

Remote clock offset: 12.92 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr

Start at: 2018-05-25 09:00:04

End at: 2018-05-25 09:00:34

Local clock offset: 2.193 ms

Remote clock offset: 15.558 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-05-25 09:20:52

End at: 2018-05-25 09:21:22

Local clock offset: 1.985 ms

Remote clock offset: 6.745 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-05-25 09:41:43

End at: 2018-05-25 09:42:13

Local clock offset: 5.931 ms

Remote clock offset: 25.768 ms

Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-05-25 10:02:32

End at: 2018-05-25 10:03:02

Local clock offset: 6.925 ms

Remote clock offset: 39.533 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-05-25 10:23:21

End at: 2018-05-25 10:23:51

Local clock offset: 6.986 ms

Remote clock offset: 57.96 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-05-25 10:44:10

End at: 2018-05-25 10:44:40

Local clock offset: 7.073 ms

Remote clock offset: 54.856 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 1: Statistics of QUIC Cubic

Start at: 2018-05-25 07:31:34

End at: 2018-05-25 07:32:04

Local clock offset: 3.187 ms

Remote clock offset: 4.184 ms

Below is generated by plot.py at 2018-05-25 11:01:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 384.550 ms

Loss rate: 16.93%

-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 393.426 ms

Loss rate: 15.37%

-- Flow 2:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 378.920 ms

Loss rate: 19.19%

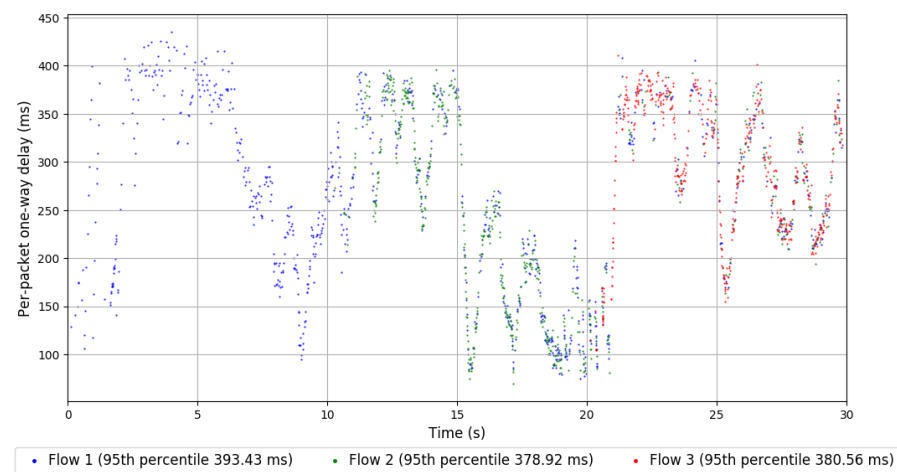
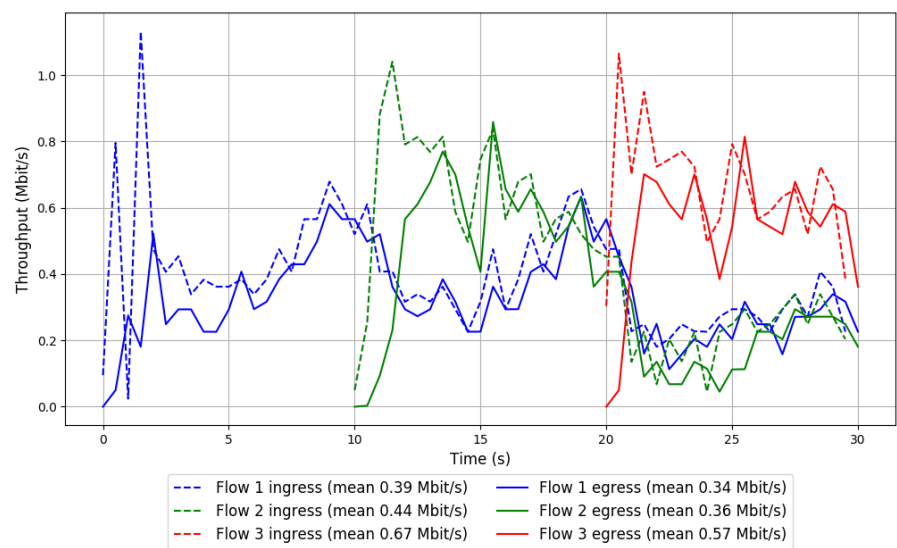
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 380.555 ms

Loss rate: 16.71%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-05-25 07:52:32

End at: 2018-05-25 07:53:02

Local clock offset: 0.64 ms

Remote clock offset: 3.773 ms

Below is generated by plot.py at 2018-05-25 11:01:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 365.901 ms

Loss rate: 9.49%

-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 370.828 ms

Loss rate: 10.01%

-- Flow 2:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 349.398 ms

Loss rate: 7.52%

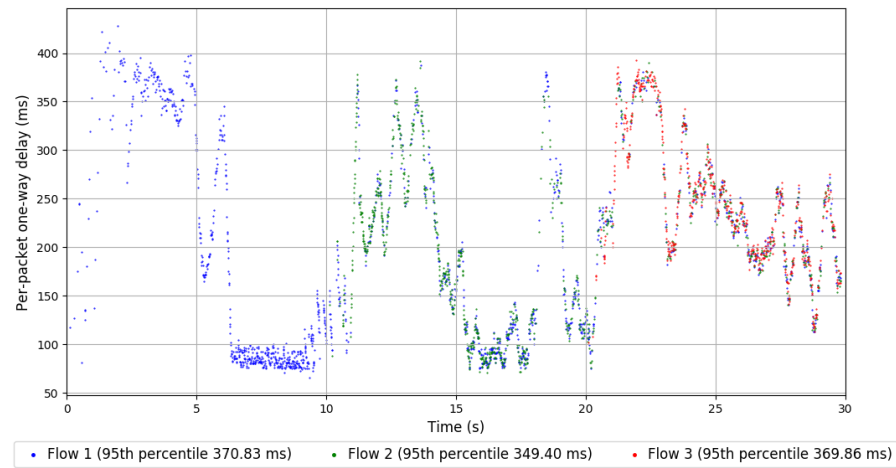
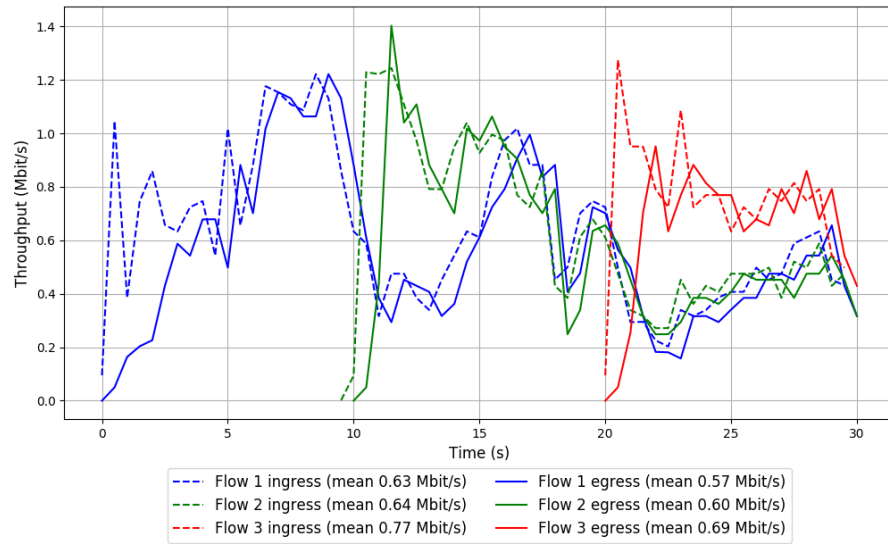
-- Flow 3:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 369.857 ms

Loss rate: 11.53%

Run 2: Report of QUIC Cubic — Data Link

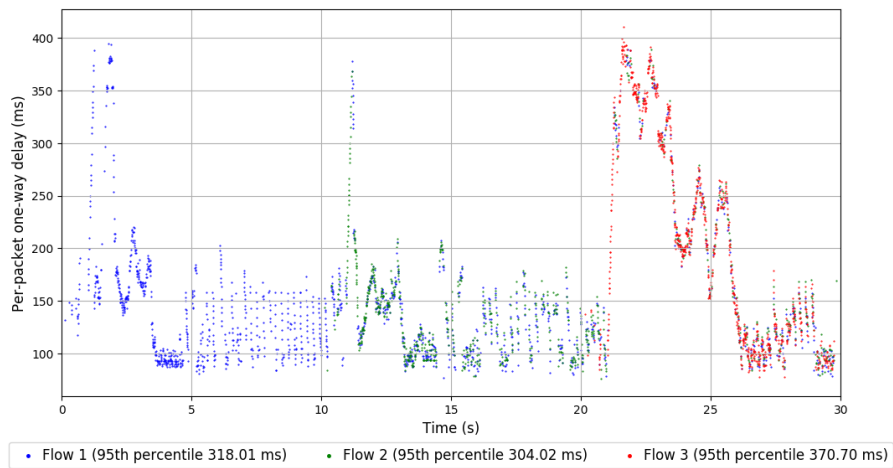
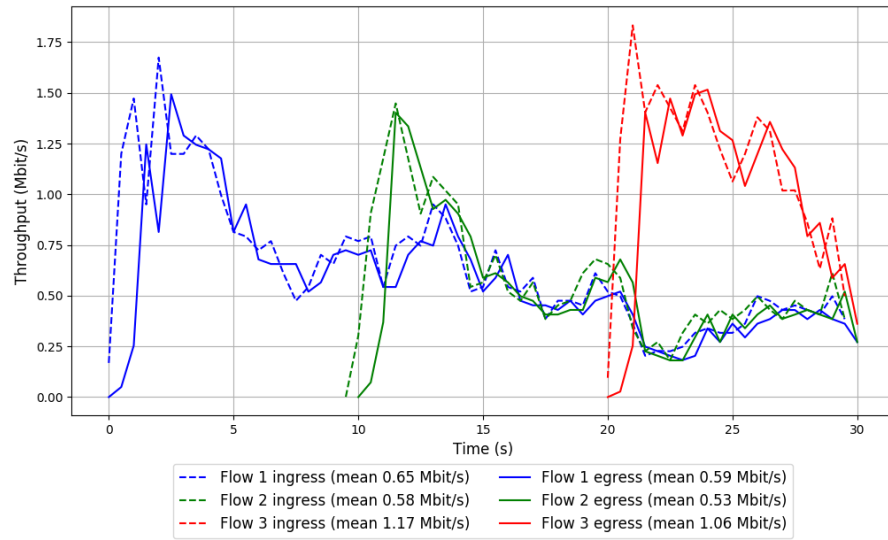


Run 3: Statistics of QUIC Cubic

Start at: 2018-05-25 08:13:23
End at: 2018-05-25 08:13:53
Local clock offset: 2.492 ms
Remote clock offset: -10.13 ms

Below is generated by plot.py at 2018-05-25 11:01:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 349.994 ms
Loss rate: 9.81%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 318.008 ms
Loss rate: 9.16%
-- Flow 2:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 304.025 ms
Loss rate: 9.77%
-- Flow 3:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 370.700 ms
Loss rate: 10.96%

Run 3: Report of QUIC Cubic — Data Link

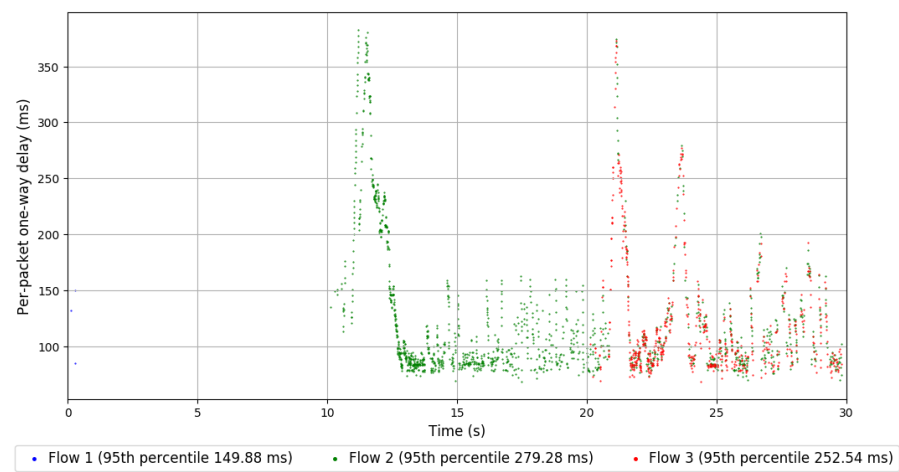
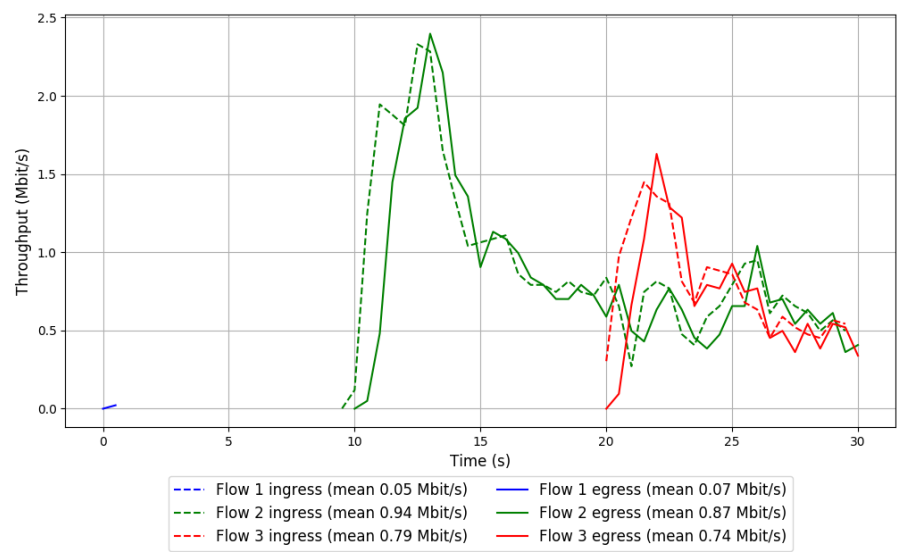


Run 4: Statistics of QUIC Cubic

Start at: 2018-05-25 08:37:54
End at: 2018-05-25 08:38:24
Local clock offset: 2.385 ms
Remote clock offset: 12.334 ms

Below is generated by plot.py at 2018-05-25 11:01:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 264.017 ms
Loss rate: 8.48%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 149.880 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 279.282 ms
Loss rate: 8.34%
-- Flow 3:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 252.537 ms
Loss rate: 8.81%

Run 4: Report of QUIC Cubic — Data Link

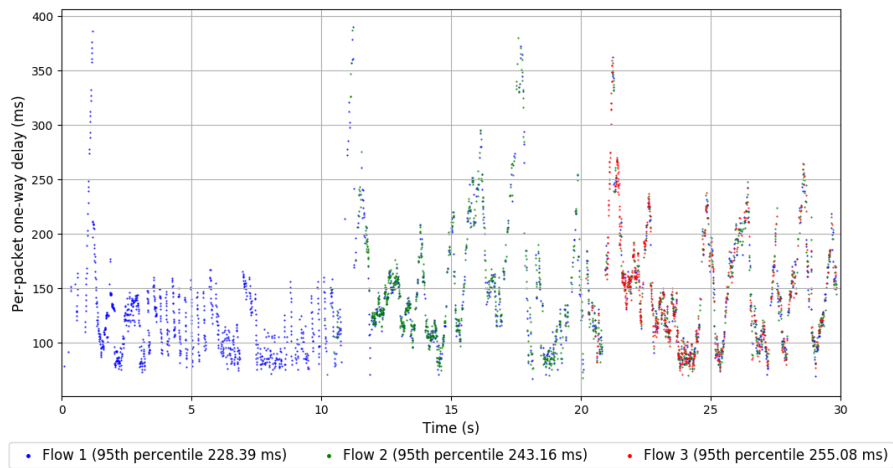
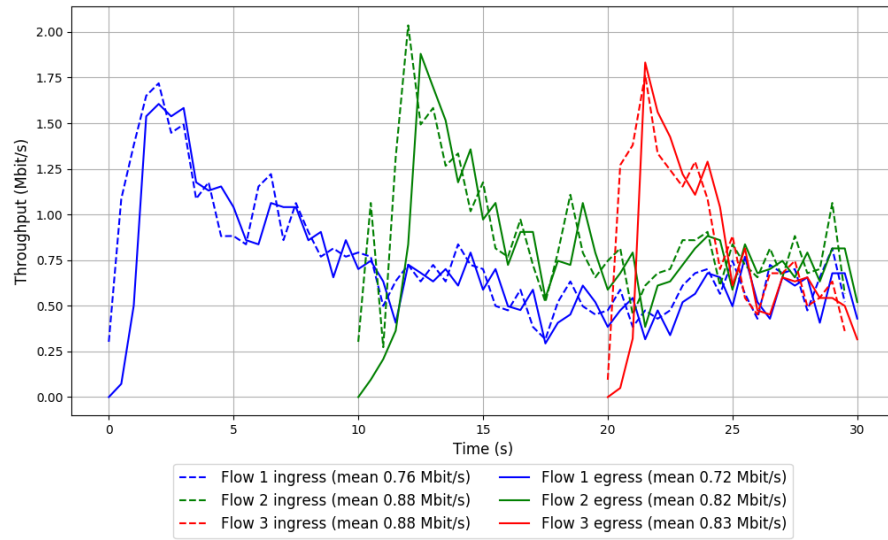


Run 5: Statistics of QUIC Cubic

Start at: 2018-05-25 08:58:46
End at: 2018-05-25 08:59:16
Local clock offset: 2.201 ms
Remote clock offset: 17.164 ms

Below is generated by plot.py at 2018-05-25 11:01:39
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 241.954 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 228.393 ms
Loss rate: 6.00%
-- Flow 2:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 243.161 ms
Loss rate: 7.21%
-- Flow 3:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 255.084 ms
Loss rate: 7.44%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-05-25 09:19:34

End at: 2018-05-25 09:20:04

Local clock offset: 2.109 ms

Remote clock offset: 6.984 ms

Below is generated by plot.py at 2018-05-25 11:01:39

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 345.354 ms

Loss rate: 6.70%

-- Flow 1:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 326.098 ms

Loss rate: 6.24%

-- Flow 2:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 334.778 ms

Loss rate: 6.41%

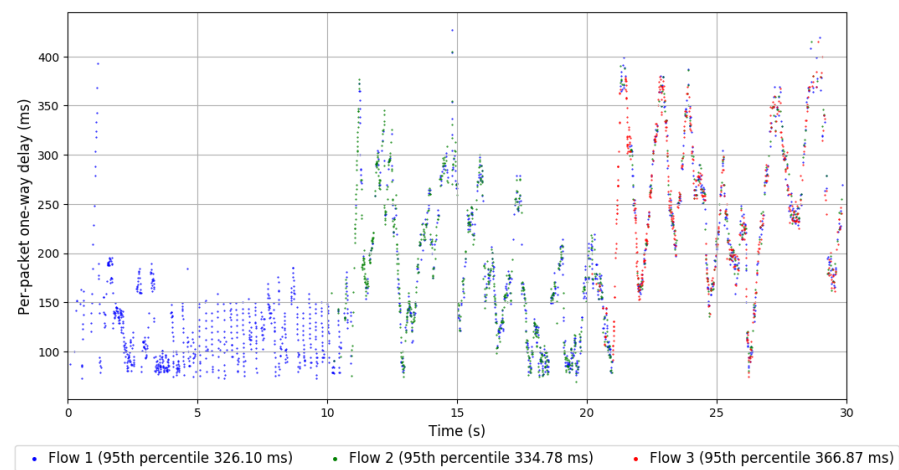
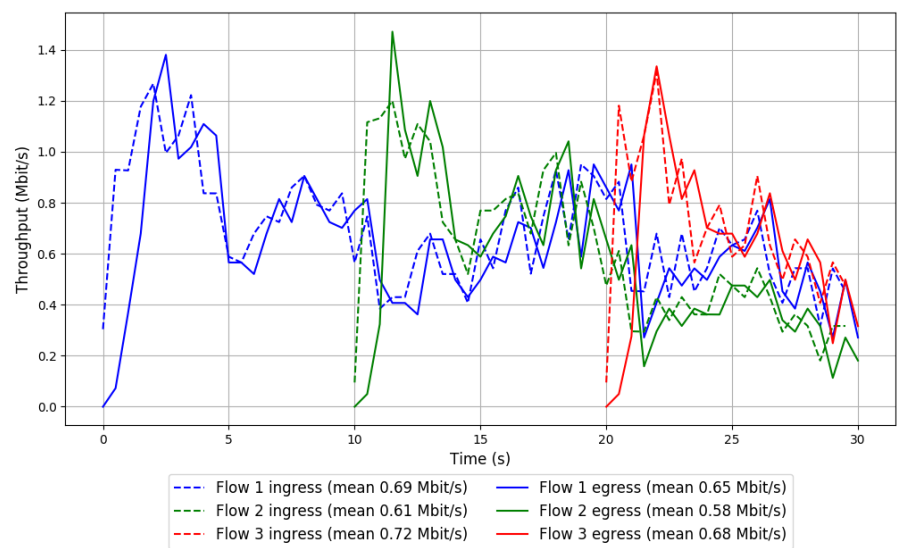
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 366.865 ms

Loss rate: 8.53%

Run 6: Report of QUIC Cubic — Data Link

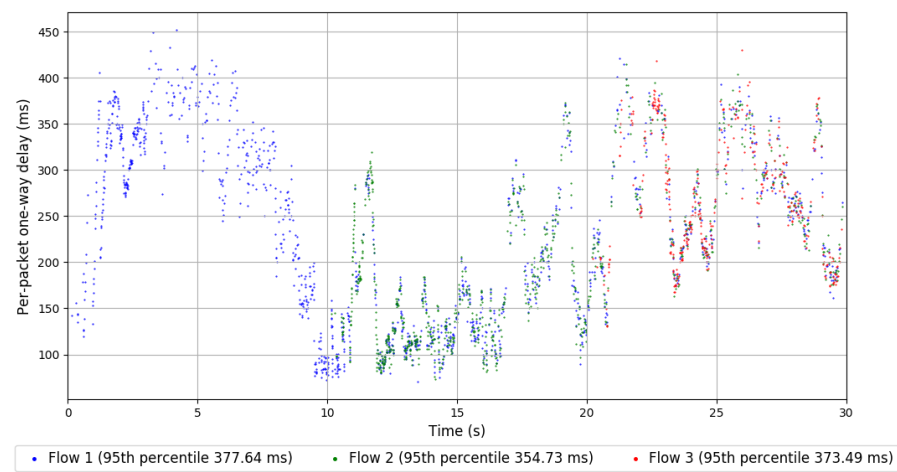
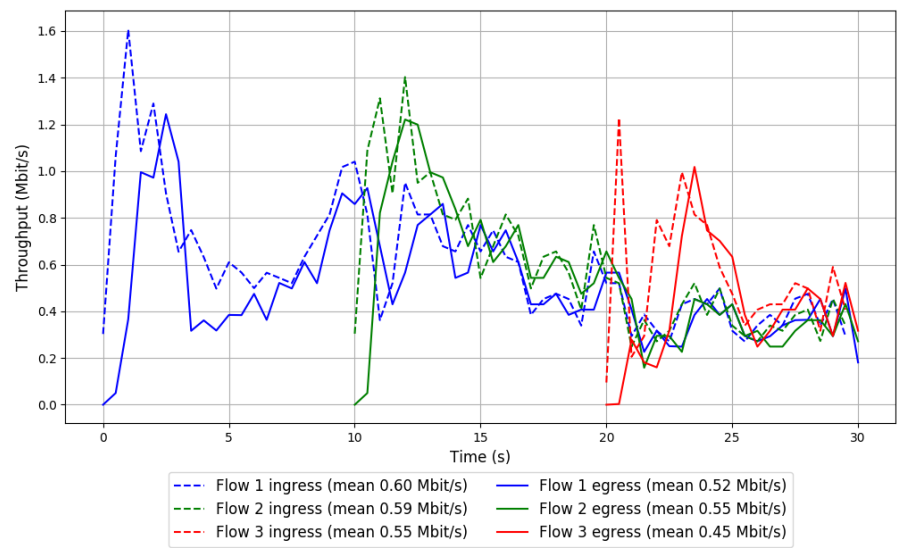


Run 7: Statistics of QUIC Cubic

Start at: 2018-05-25 09:40:25
End at: 2018-05-25 09:40:55
Local clock offset: 5.831 ms
Remote clock offset: 24.059 ms

Below is generated by plot.py at 2018-05-25 11:01:40
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 371.201 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 377.642 ms
Loss rate: 13.67%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 354.730 ms
Loss rate: 7.69%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 373.487 ms
Loss rate: 20.81%

Run 7: Report of QUIC Cubic — Data Link

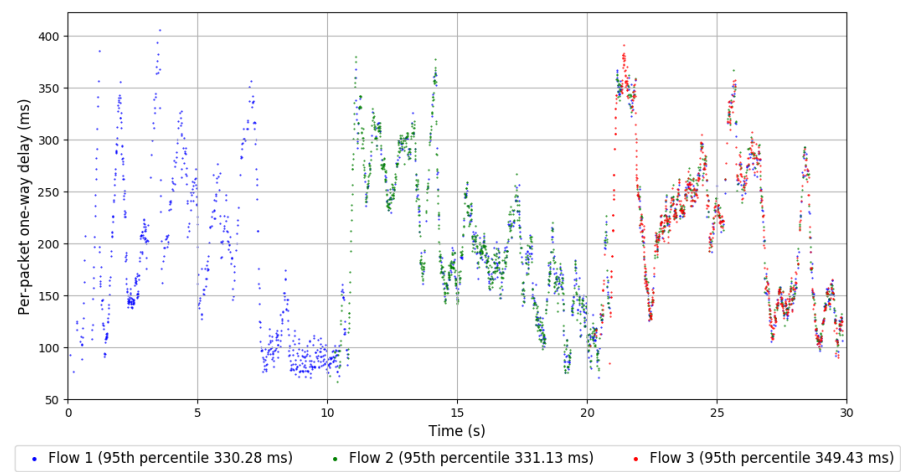
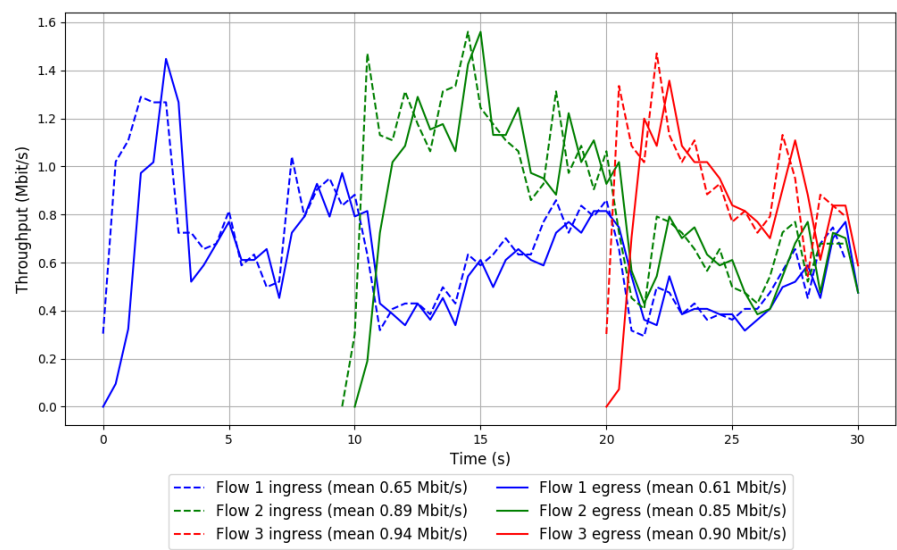


Run 8: Statistics of QUIC Cubic

Start at: 2018-05-25 10:01:14
End at: 2018-05-25 10:01:44
Local clock offset: 6.842 ms
Remote clock offset: 39.073 ms

Below is generated by plot.py at 2018-05-25 11:01:42
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 336.426 ms
Loss rate: 6.01%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 330.277 ms
Loss rate: 7.04%
-- Flow 2:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 331.134 ms
Loss rate: 4.82%
-- Flow 3:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 349.433 ms
Loss rate: 6.11%

Run 8: Report of QUIC Cubic — Data Link

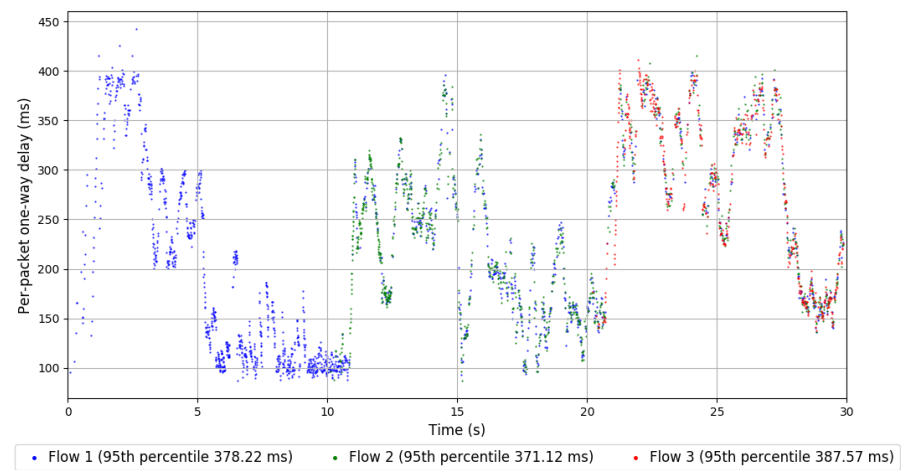
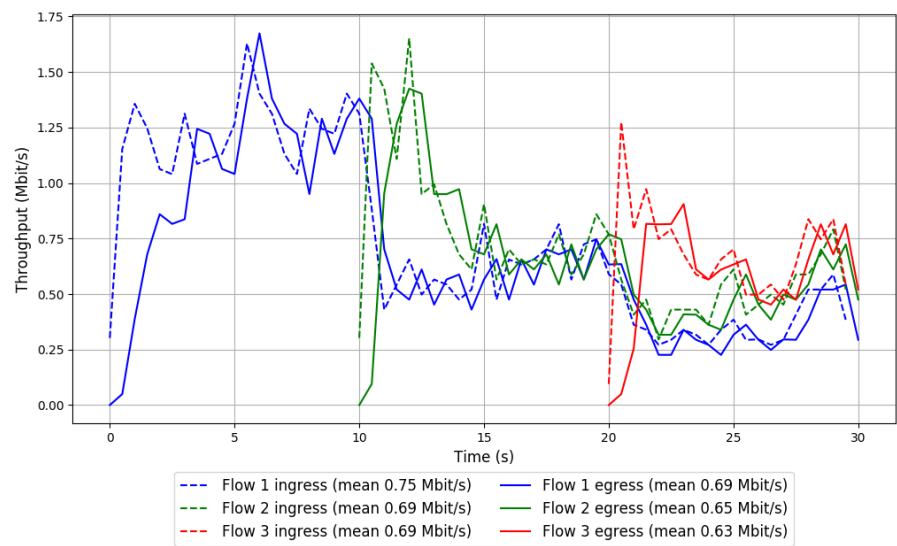


Run 9: Statistics of QUIC Cubic

Start at: 2018-05-25 10:22:03
End at: 2018-05-25 10:22:33
Local clock offset: 6.968 ms
Remote clock offset: 41.145 ms

Below is generated by plot.py at 2018-05-25 11:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 379.786 ms
Loss rate: 7.81%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 378.221 ms
Loss rate: 8.46%
-- Flow 2:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 371.120 ms
Loss rate: 5.70%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 387.570 ms
Loss rate: 9.91%

Run 9: Report of QUIC Cubic — Data Link

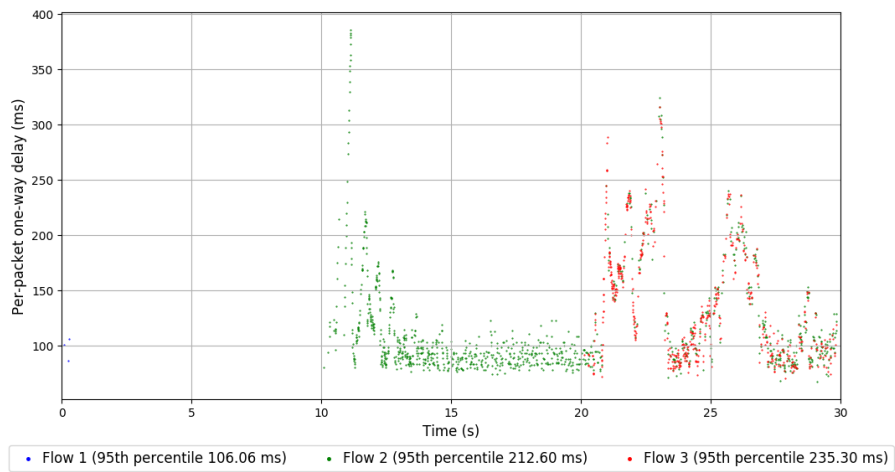
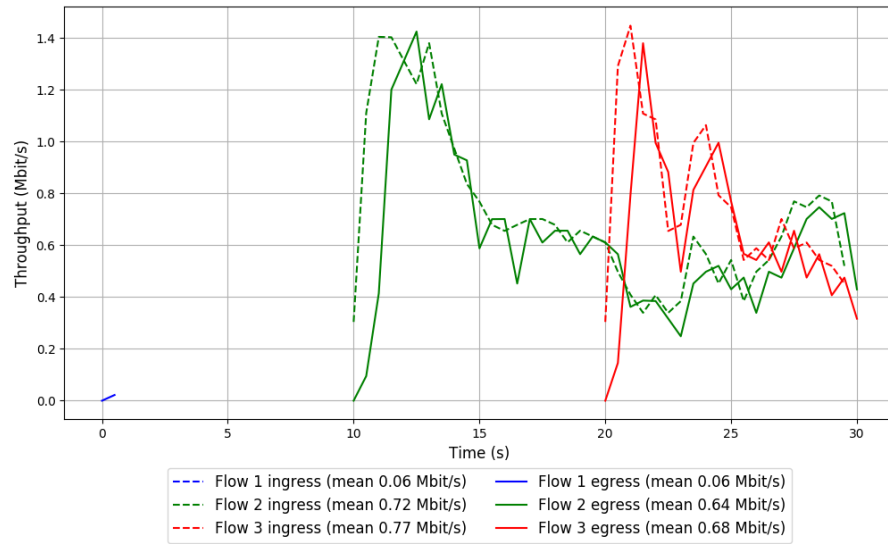


Run 10: Statistics of QUIC Cubic

Start at: 2018-05-25 10:42:52
End at: 2018-05-25 10:43:22
Local clock offset: 7.05 ms
Remote clock offset: 58.334 ms

Below is generated by plot.py at 2018-05-25 11:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 228.465 ms
Loss rate: 12.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 106.056 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 212.599 ms
Loss rate: 11.53%
-- Flow 3:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 235.302 ms
Loss rate: 12.89%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-05-25 07:48:38

End at: 2018-05-25 07:49:08

Local clock offset: 0.954 ms

Remote clock offset: 5.477 ms

Below is generated by plot.py at 2018-05-25 11:01:43

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 141.563 ms

Loss rate: 3.02%

-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 141.378 ms

Loss rate: 2.60%

-- Flow 2:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 142.826 ms

Loss rate: 2.42%

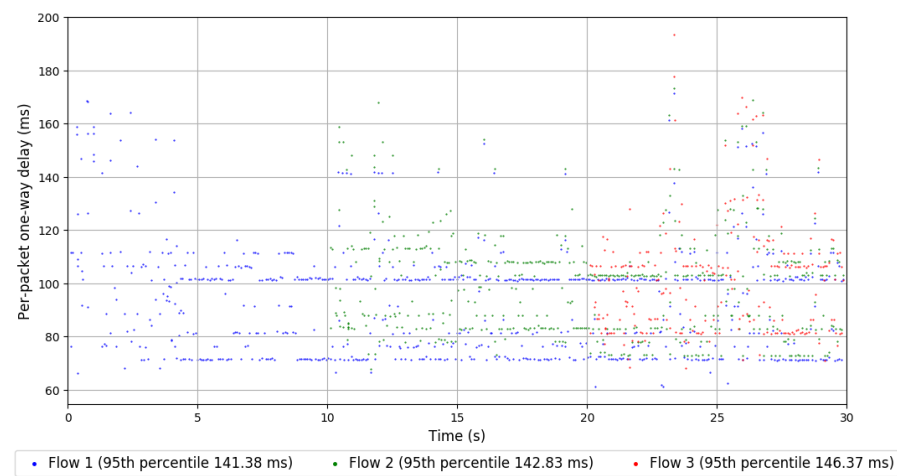
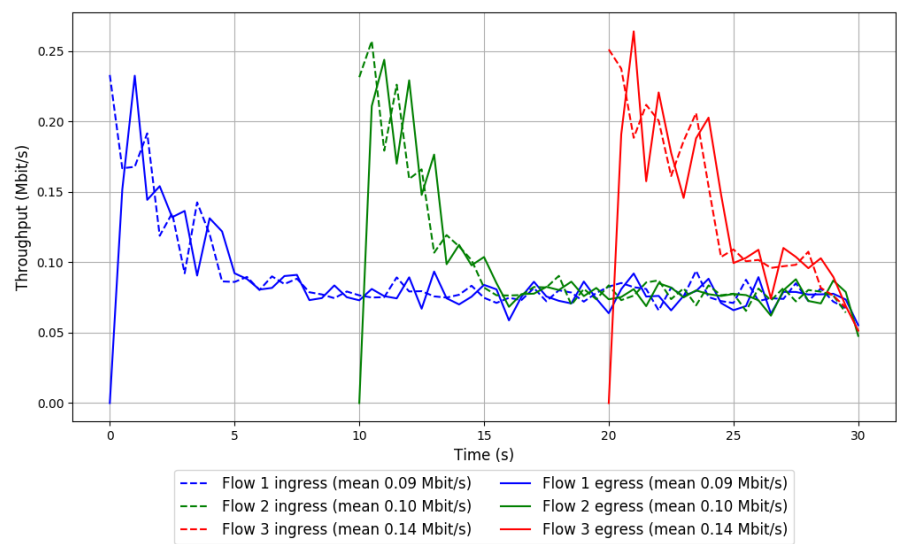
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 146.365 ms

Loss rate: 4.69%

Run 1: Report of SReAM — Data Link

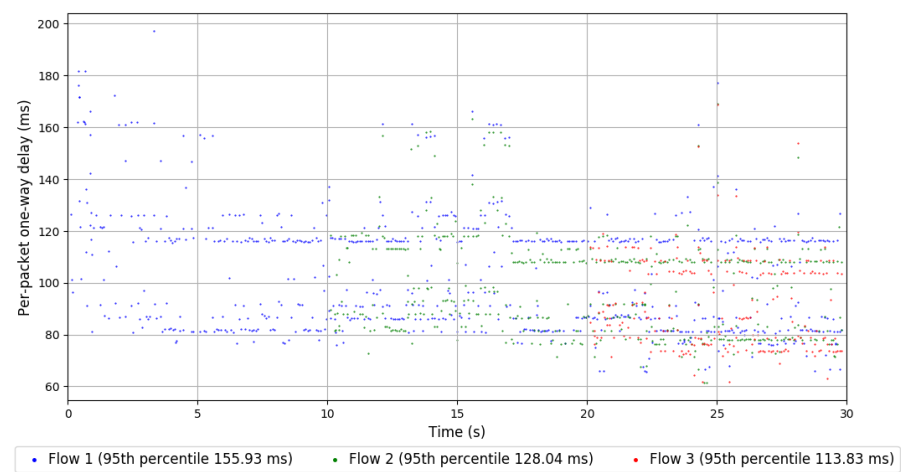
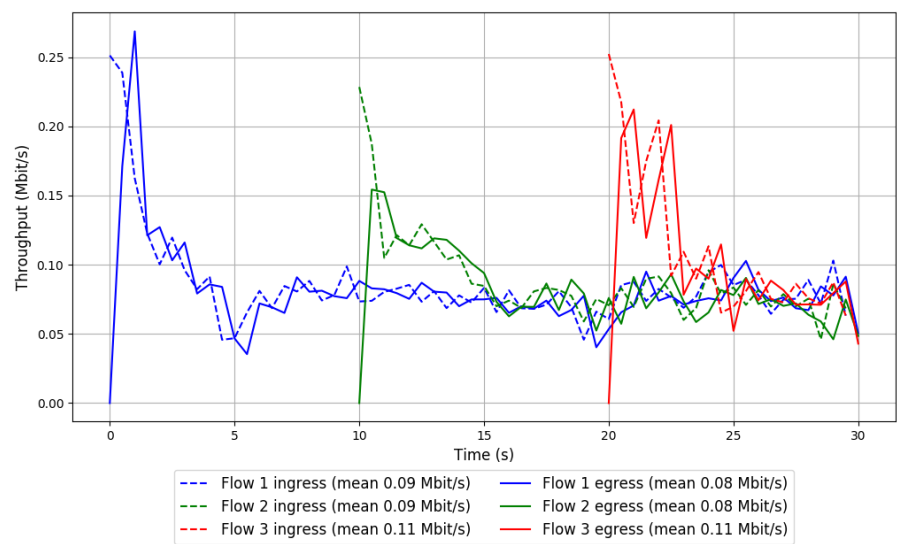


Run 2: Statistics of SCReAM

Start at: 2018-05-25 08:09:28
End at: 2018-05-25 08:09:58
Local clock offset: 2.481 ms
Remote clock offset: -1.168 ms

Below is generated by plot.py at 2018-05-25 11:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 133.805 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 155.932 ms
Loss rate: 4.35%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 128.045 ms
Loss rate: 6.54%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 113.825 ms
Loss rate: 6.78%

Run 2: Report of SReAM — Data Link

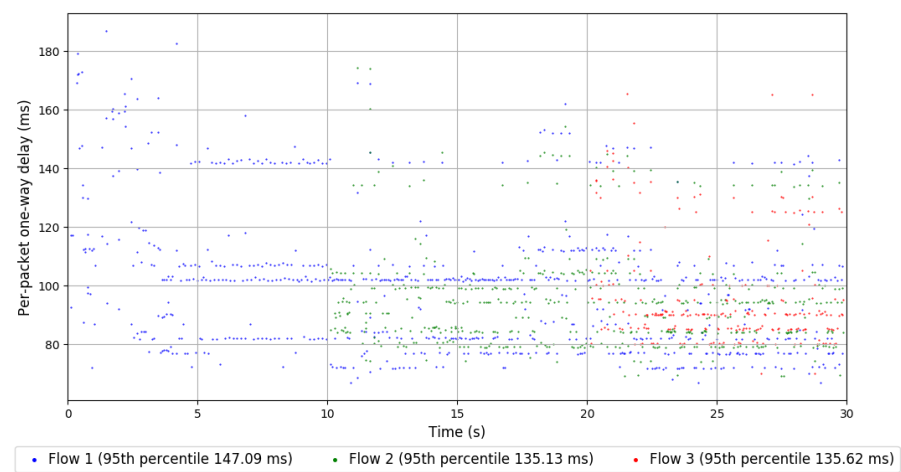
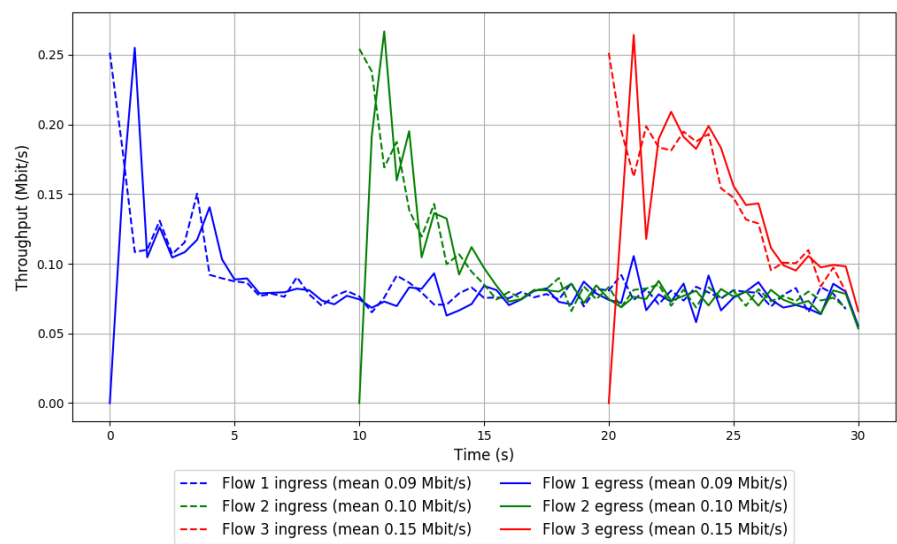


Run 3: Statistics of SCReAM

Start at: 2018-05-25 08:33:17
End at: 2018-05-25 08:33:47
Local clock offset: 2.484 ms
Remote clock offset: 9.32 ms

Below is generated by plot.py at 2018-05-25 11:01:43
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 142.844 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 147.085 ms
Loss rate: 2.48%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 135.134 ms
Loss rate: 2.66%
-- Flow 3:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 135.615 ms
Loss rate: 3.30%

Run 3: Report of SReAM — Data Link

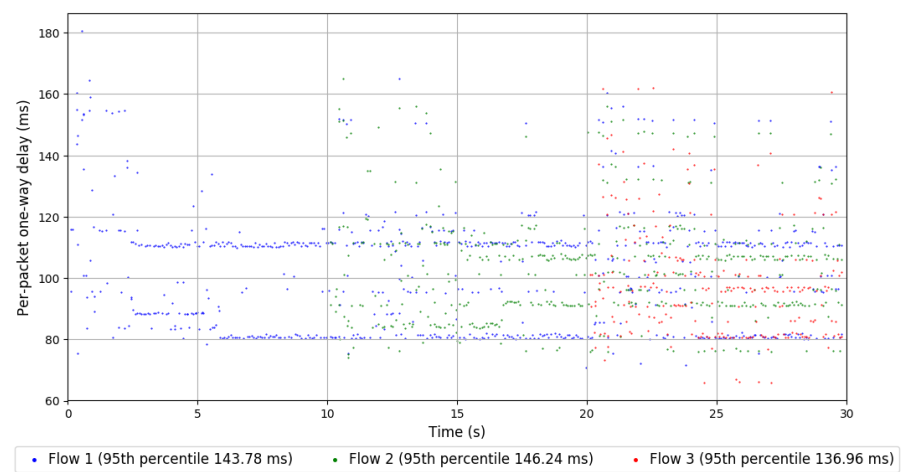
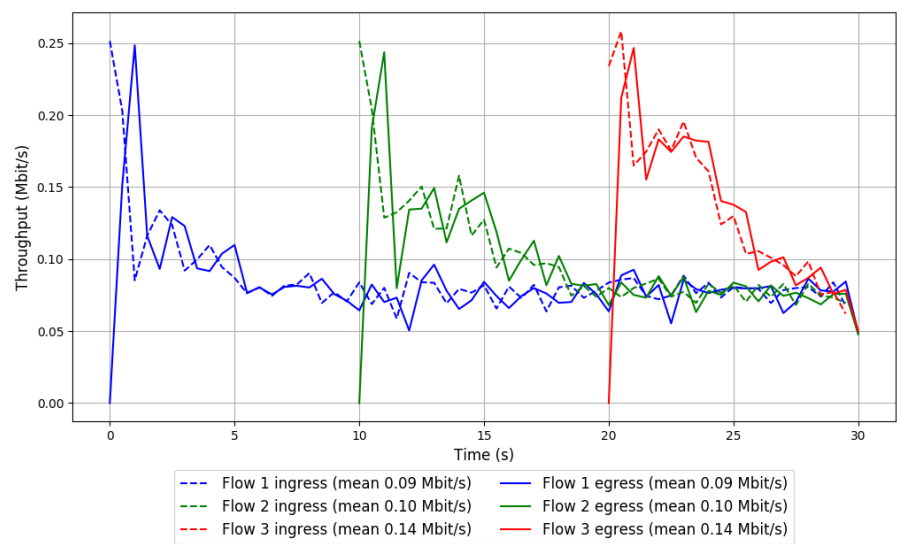


Run 4: Statistics of SCReAM

Start at: 2018-05-25 08:54:51
End at: 2018-05-25 08:55:21
Local clock offset: 2.092 ms
Remote clock offset: 17.541 ms

Below is generated by plot.py at 2018-05-25 11:01:45
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 141.400 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 143.783 ms
Loss rate: 2.75%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 146.244 ms
Loss rate: 3.17%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 136.963 ms
Loss rate: 3.41%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-05-25 09:15:40

End at: 2018-05-25 09:16:10

Local clock offset: 2.264 ms

Remote clock offset: 7.532 ms

Below is generated by plot.py at 2018-05-25 11:01:45

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 117.888 ms

Loss rate: 2.59%

-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 118.653 ms

Loss rate: 2.38%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 114.168 ms

Loss rate: 1.98%

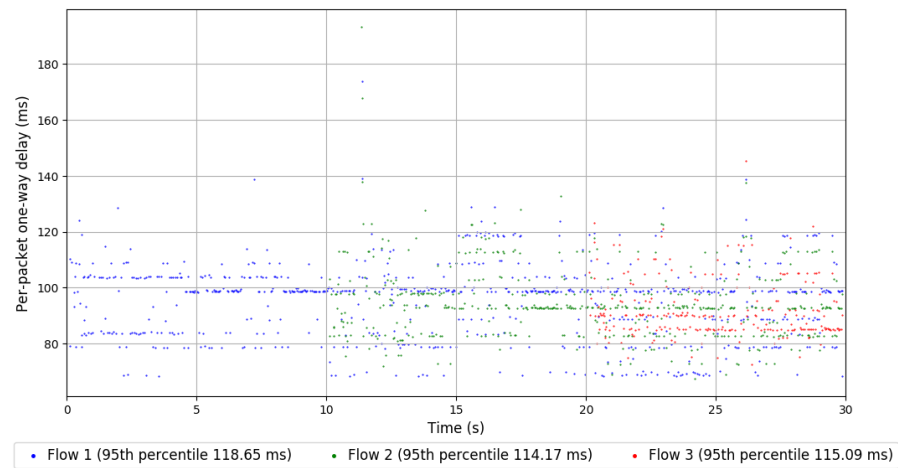
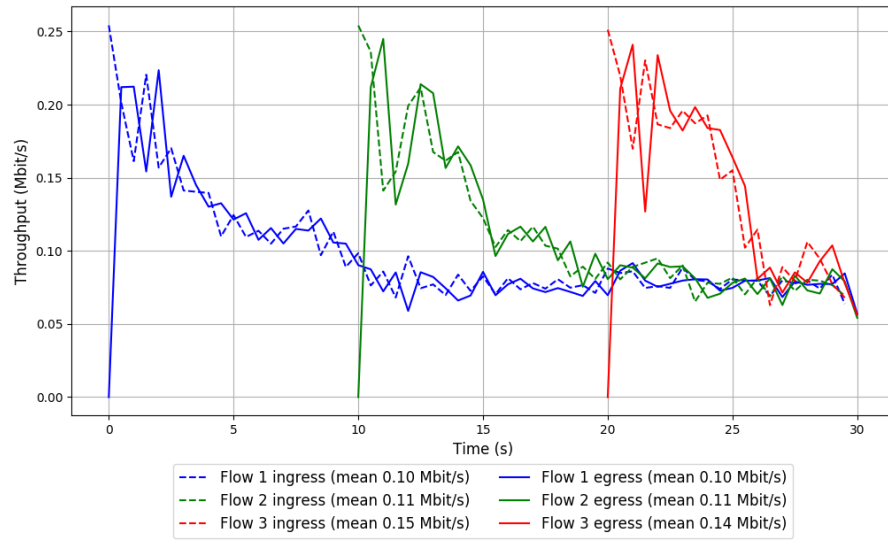
-- Flow 3:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 115.088 ms

Loss rate: 3.96%

Run 5: Report of SReAM — Data Link

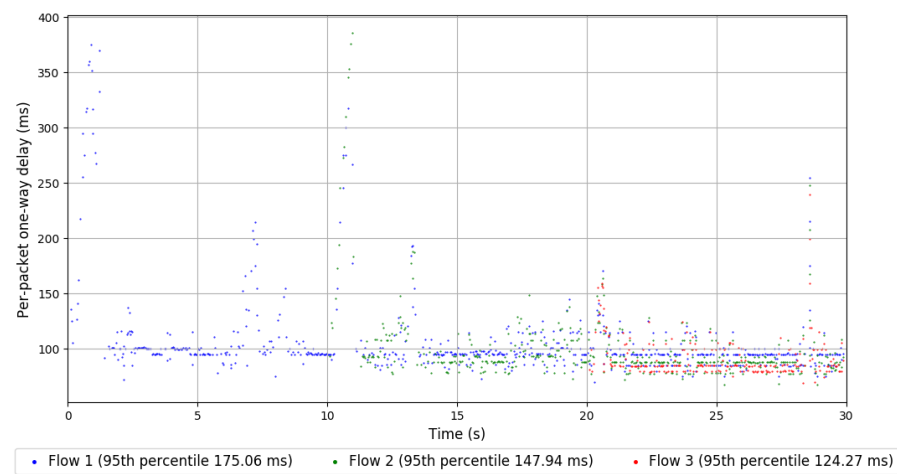
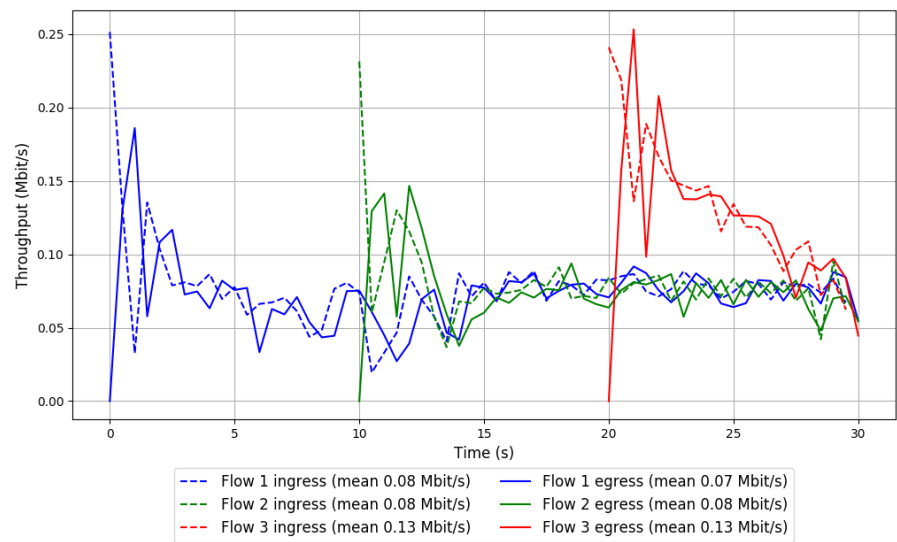


Run 6: Statistics of SCReAM

Start at: 2018-05-25 09:36:30
End at: 2018-05-25 09:37:00
Local clock offset: 5.428 ms
Remote clock offset: 16.978 ms

Below is generated by plot.py at 2018-05-25 11:01:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 154.873 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 175.063 ms
Loss rate: 4.78%
-- Flow 2:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 147.941 ms
Loss rate: 4.85%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 124.266 ms
Loss rate: 5.39%

Run 6: Report of SReAM — Data Link

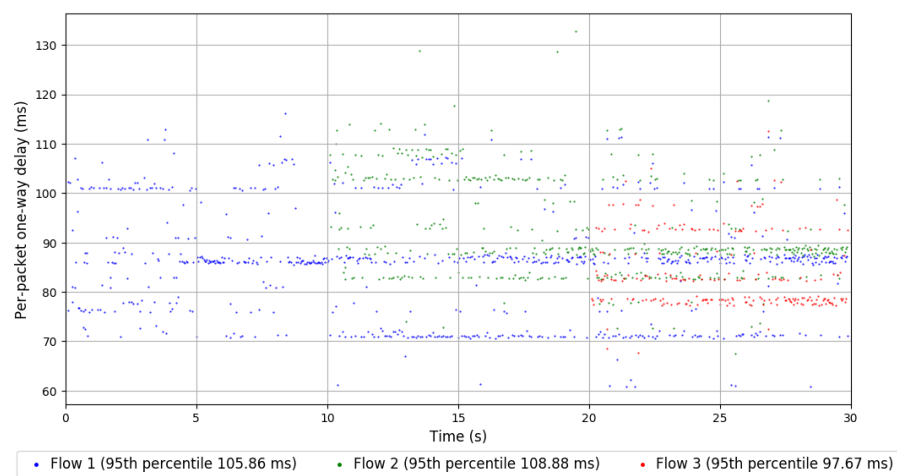
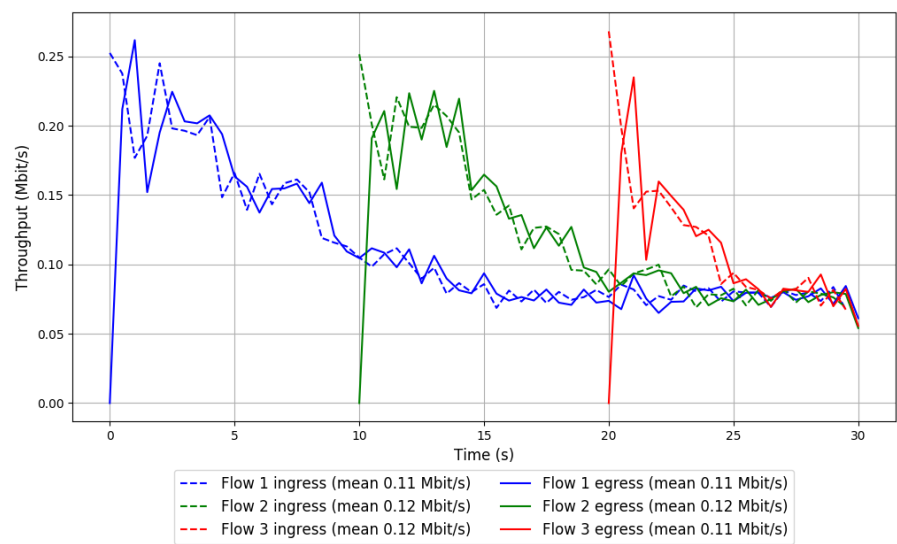


Run 7: Statistics of SCReAM

Start at: 2018-05-25 09:57:20
End at: 2018-05-25 09:57:50
Local clock offset: 7.221 ms
Remote clock offset: 37.359 ms

Below is generated by plot.py at 2018-05-25 11:01:47
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 106.966 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 105.864 ms
Loss rate: 1.51%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 108.878 ms
Loss rate: 2.58%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 97.669 ms
Loss rate: 5.35%

Run 7: Report of SReAM — Data Link

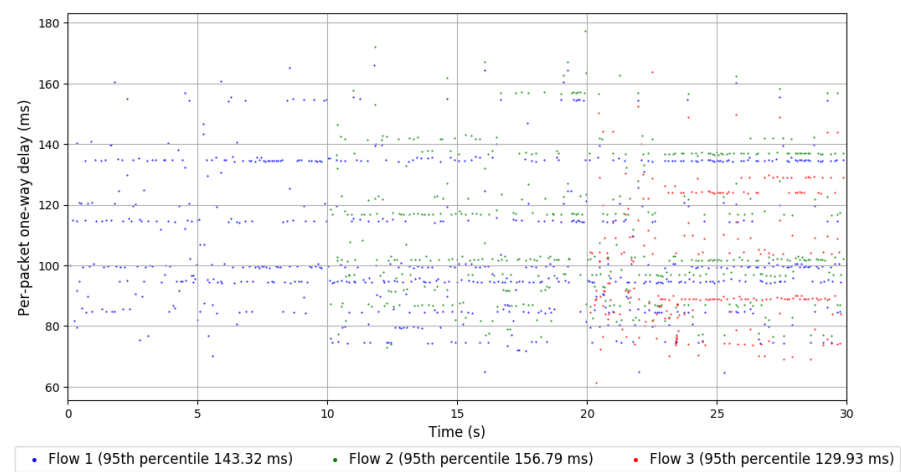
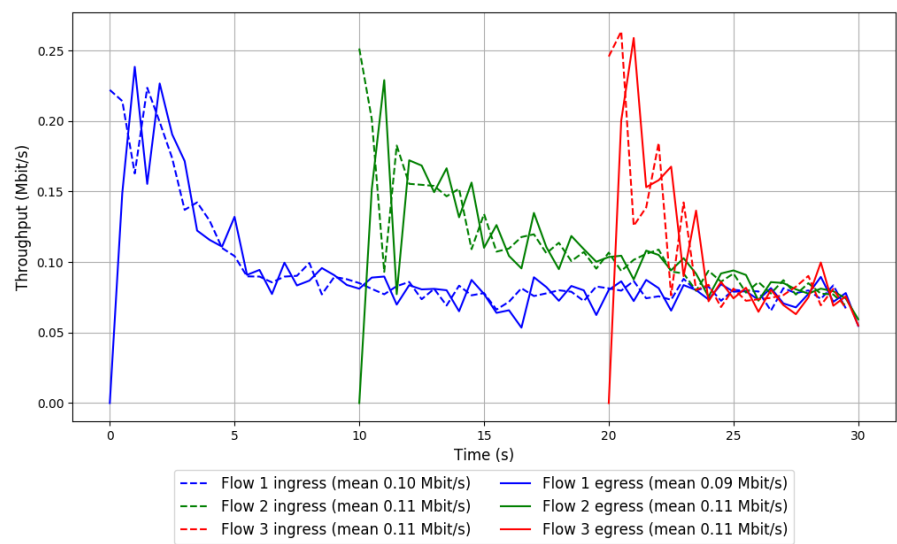


Run 8: Statistics of SCReAM

Start at: 2018-05-25 10:18:08
End at: 2018-05-25 10:18:38
Local clock offset: 6.849 ms
Remote clock offset: 54.277 ms

Below is generated by plot.py at 2018-05-25 11:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 144.075 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 143.318 ms
Loss rate: 2.96%
-- Flow 2:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 156.795 ms
Loss rate: 2.84%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 129.927 ms
Loss rate: 2.17%

Run 8: Report of SReAM — Data Link

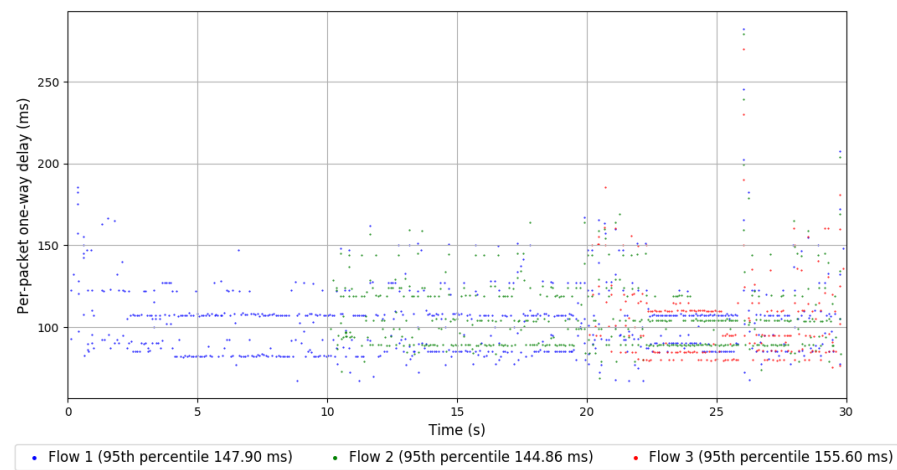
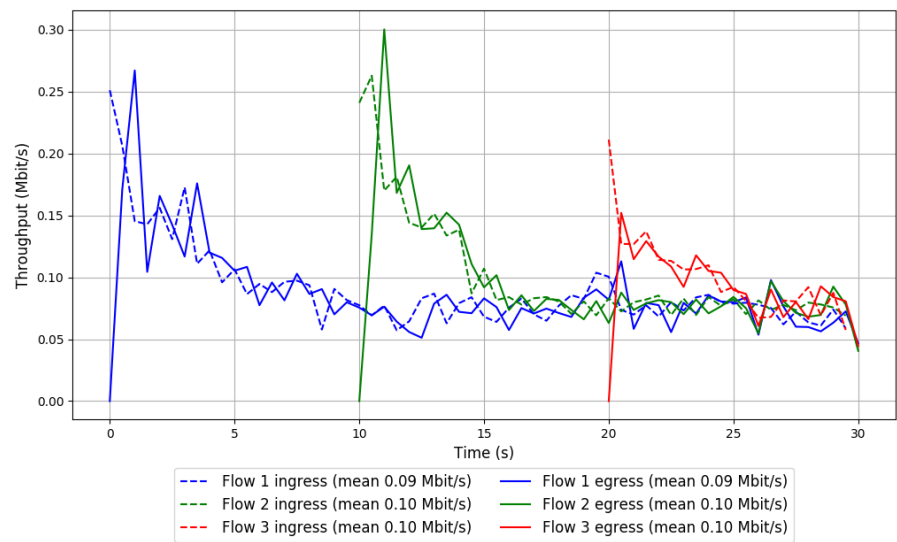


Run 9: Statistics of SCReAM

Start at: 2018-05-25 10:38:58
End at: 2018-05-25 10:39:28
Local clock offset: 6.959 ms
Remote clock offset: 66.906 ms

Below is generated by plot.py at 2018-05-25 11:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 149.989 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 147.899 ms
Loss rate: 3.29%
-- Flow 2:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 144.857 ms
Loss rate: 3.76%
-- Flow 3:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 155.596 ms
Loss rate: 6.62%

Run 9: Report of SReAM — Data Link

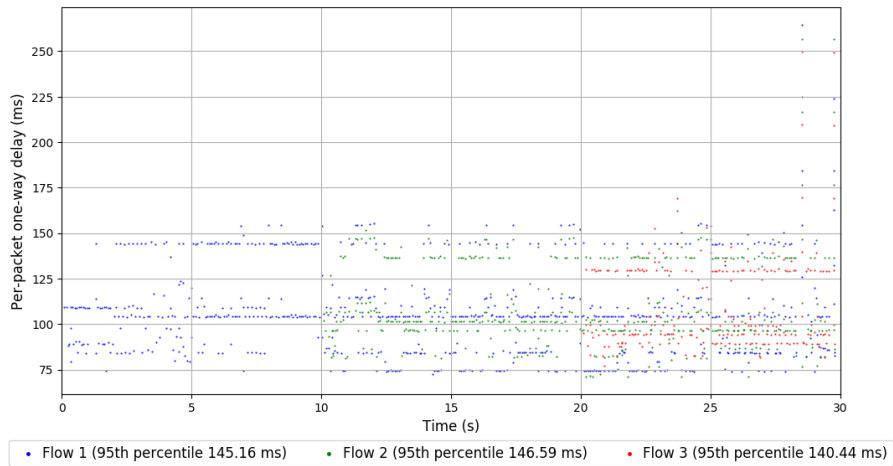
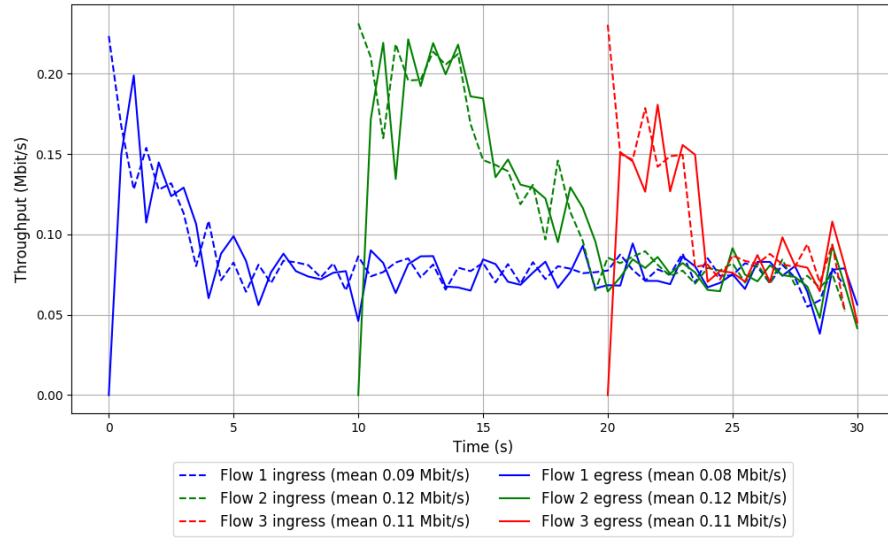


Run 10: Statistics of SReAM

Start at: 2018-05-25 10:59:52
End at: 2018-05-25 11:00:23
Local clock offset: 6.977 ms
Remote clock offset: 32.007 ms

Below is generated by plot.py at 2018-05-25 11:01:49
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 145.271 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 145.160 ms
Loss rate: 4.15%
-- Flow 2:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 146.591 ms
Loss rate: 3.22%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 140.441 ms
Loss rate: 6.63%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-05-25 07:43:26

End at: 2018-05-25 07:43:56

Local clock offset: 1.333 ms

Remote clock offset: 4.032 ms

Below is generated by plot.py at 2018-05-25 11:01:49

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 196.975 ms

Loss rate: 7.46%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 176.700 ms

Loss rate: 6.03%

-- Flow 2:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 186.311 ms

Loss rate: 8.66%

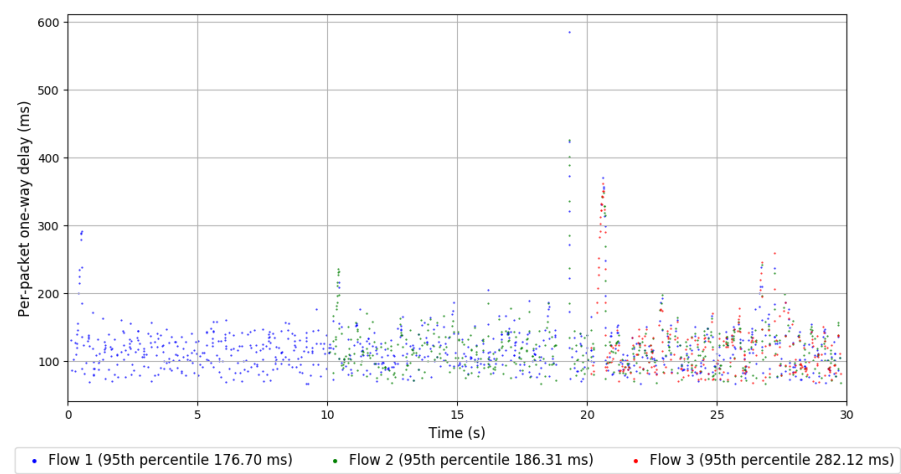
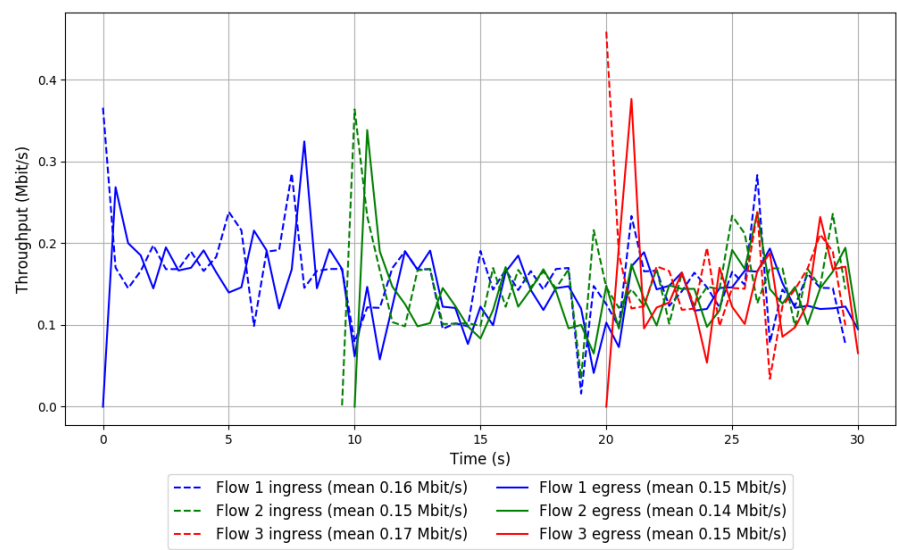
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 282.120 ms

Loss rate: 9.41%

Run 1: Report of Sprout — Data Link

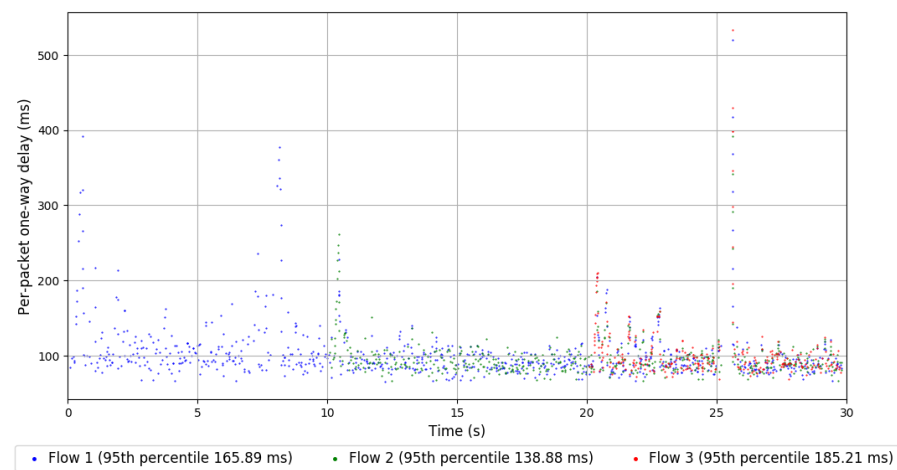
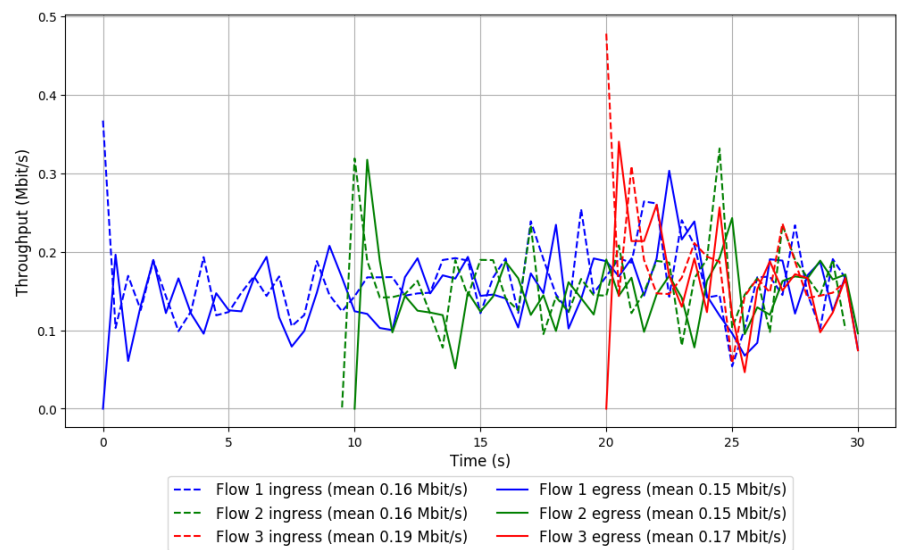


Run 2: Statistics of Sprout

Start at: 2018-05-25 08:04:16
End at: 2018-05-25 08:04:46
Local clock offset: 2.092 ms
Remote clock offset: -0.414 ms

Below is generated by plot.py at 2018-05-25 11:01:50
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 159.354 ms
Loss rate: 8.68%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 165.890 ms
Loss rate: 8.24%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 138.881 ms
Loss rate: 8.88%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 185.214 ms
Loss rate: 9.51%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-05-25 08:26:52

End at: 2018-05-25 08:27:22

Local clock offset: 2.862 ms

Remote clock offset: 2.485 ms

Below is generated by plot.py at 2018-05-25 11:01:51

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 155.838 ms

Loss rate: 7.64%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 159.371 ms

Loss rate: 8.83%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 160.429 ms

Loss rate: 6.20%

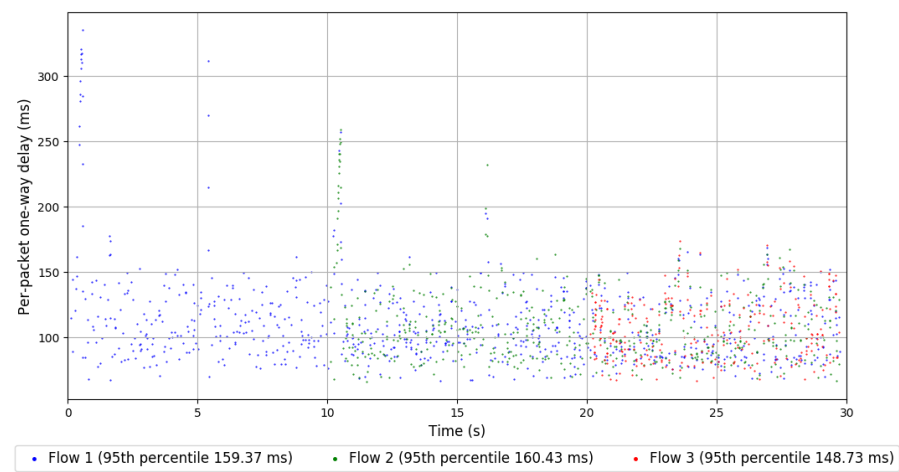
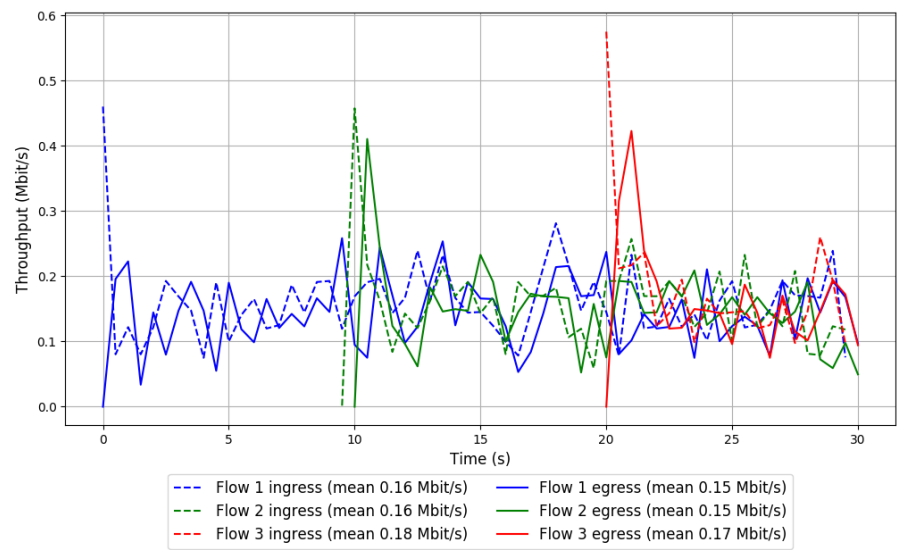
-- Flow 3:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 148.727 ms

Loss rate: 7.07%

Run 3: Report of Sprout — Data Link

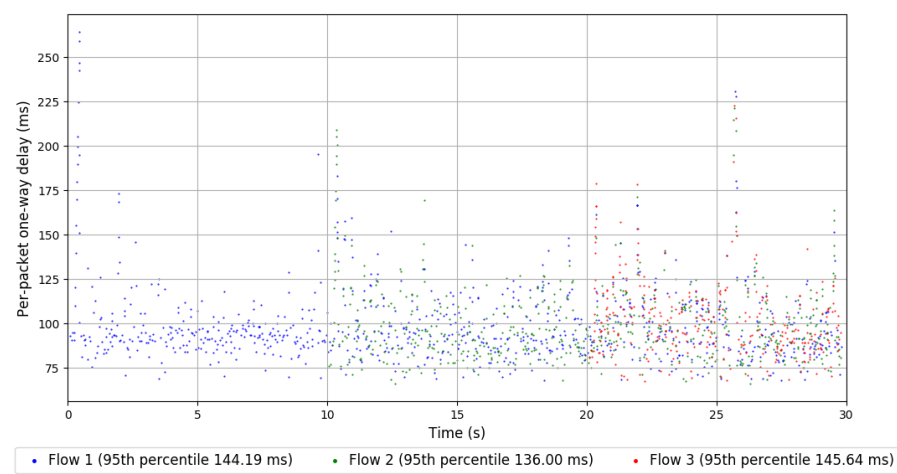
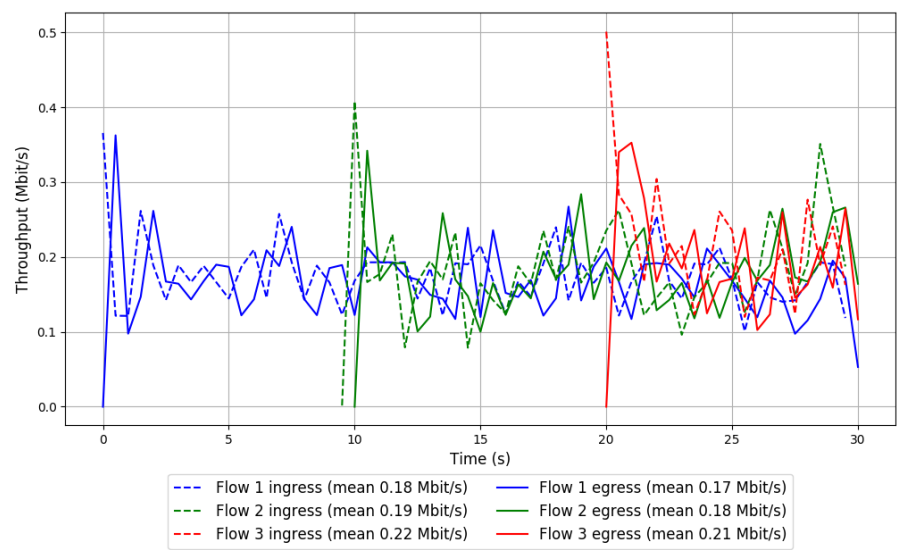


Run 4: Statistics of Sprout

Start at: 2018-05-25 08:49:38
End at: 2018-05-25 08:50:08
Local clock offset: 2.259 ms
Remote clock offset: 16.466 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 143.875 ms
Loss rate: 4.59%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 144.194 ms
Loss rate: 3.93%
-- Flow 2:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 136.002 ms
Loss rate: 3.61%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 145.636 ms
Loss rate: 7.89%
```

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-05-25 09:10:28

End at: 2018-05-25 09:10:58

Local clock offset: 2.022 ms

Remote clock offset: 9.258 ms

Below is generated by plot.py at 2018-05-25 11:01:53

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 183.850 ms

Loss rate: 5.54%

-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 189.843 ms

Loss rate: 5.80%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 183.850 ms

Loss rate: 4.82%

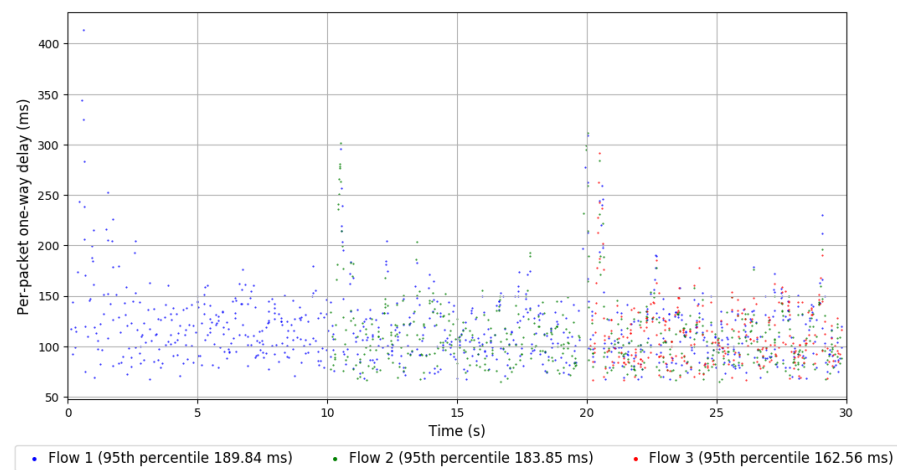
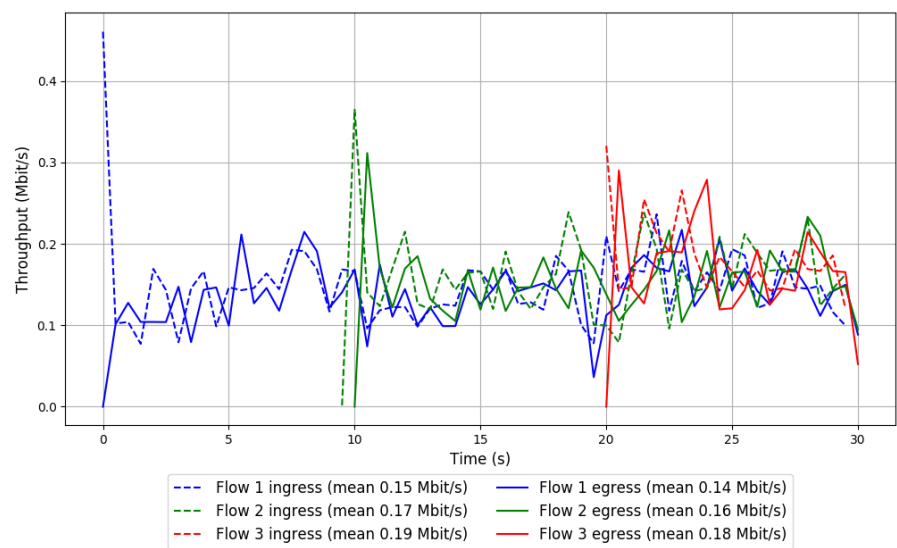
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 162.565 ms

Loss rate: 6.22%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-05-25 09:31:18

End at: 2018-05-25 09:31:48

Local clock offset: 4.278 ms

Remote clock offset: 5.458 ms

Below is generated by plot.py at 2018-05-25 11:01:54

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 164.836 ms

Loss rate: 7.52%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 166.153 ms

Loss rate: 6.47%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 164.956 ms

Loss rate: 9.27%

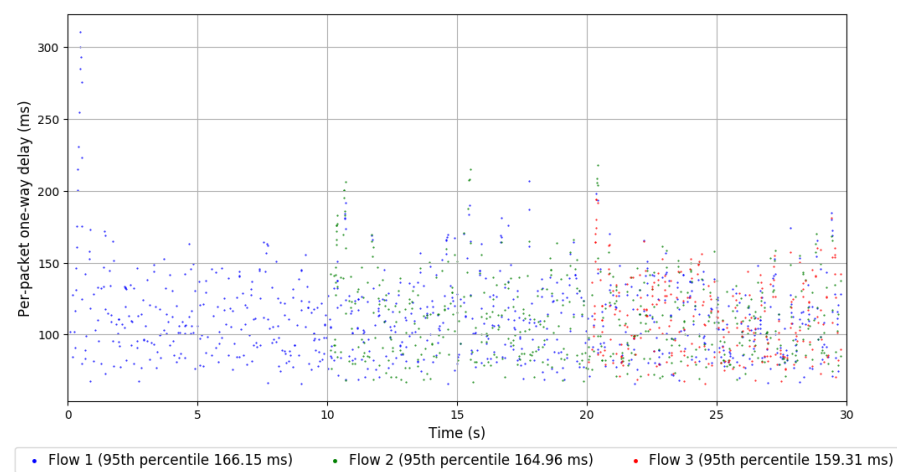
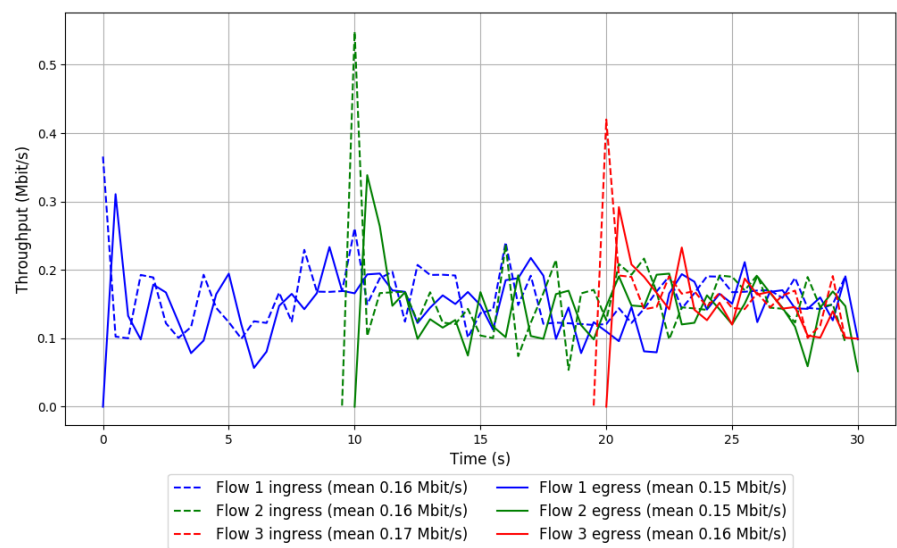
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 159.312 ms

Loss rate: 7.19%

Run 6: Report of Sprout — Data Link

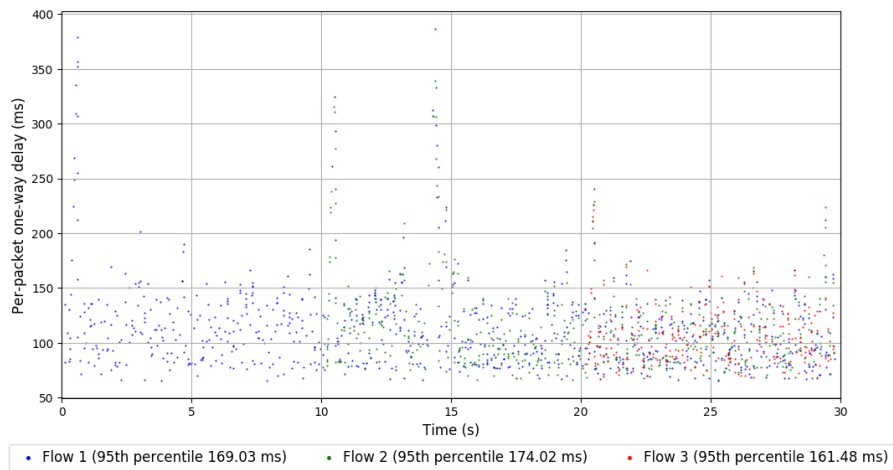
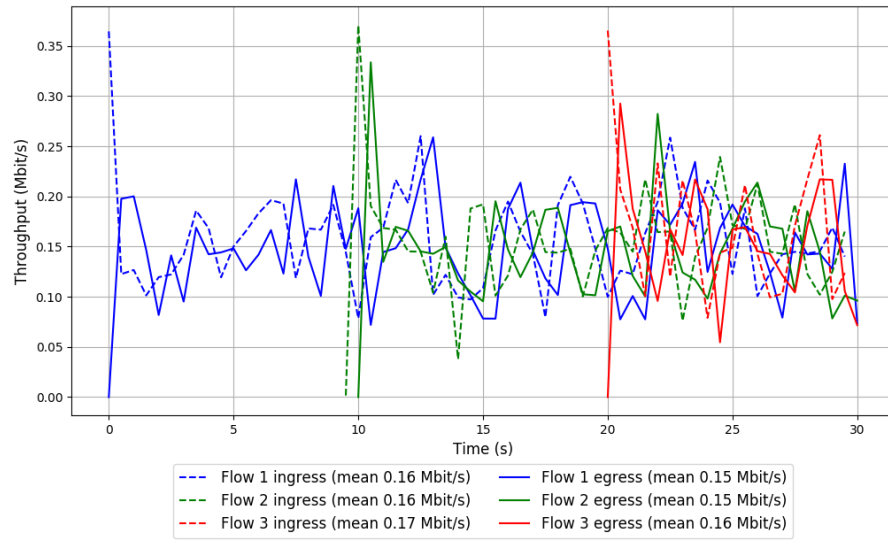


Run 7: Statistics of Sprout

Start at: 2018-05-25 09:52:08
End at: 2018-05-25 09:52:38
Local clock offset: 6.971 ms
Remote clock offset: 34.718 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 168.822 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 169.027 ms
Loss rate: 5.24%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 174.017 ms
Loss rate: 5.10%
-- Flow 3:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 161.477 ms
Loss rate: 7.50%
```

Run 7: Report of Sprout — Data Link

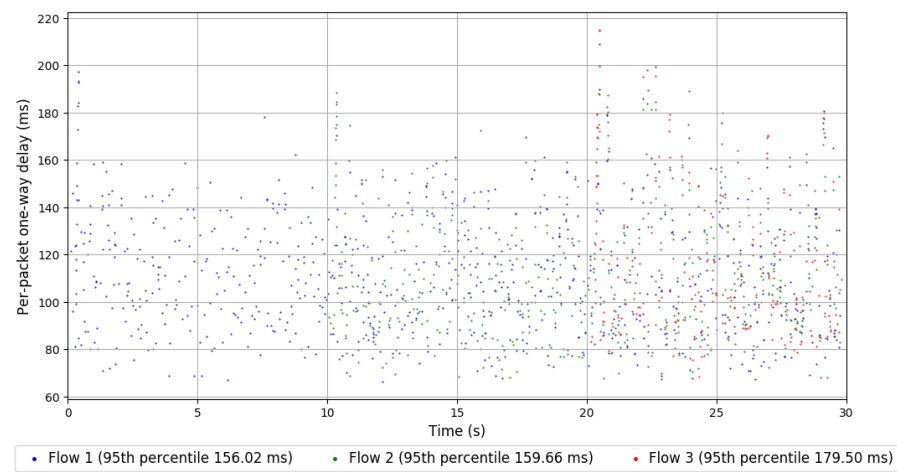
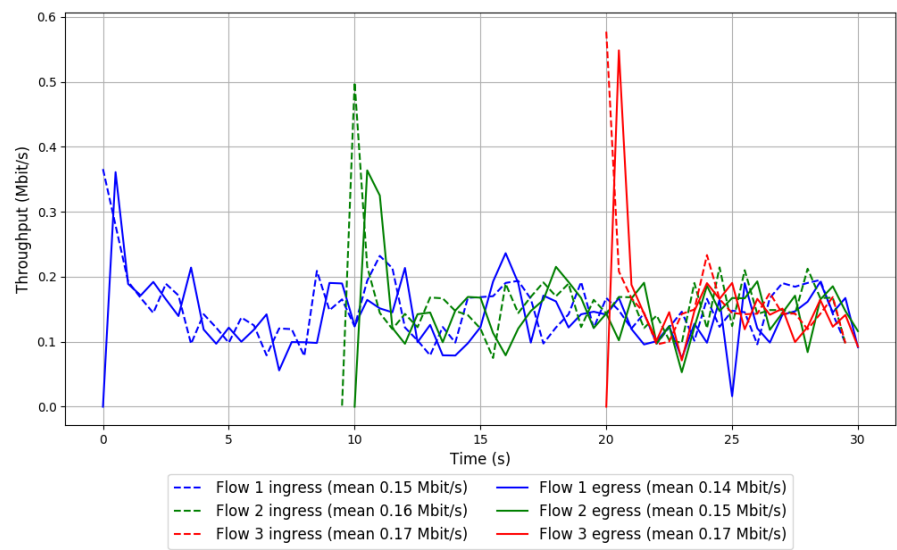


Run 8: Statistics of Sprout

Start at: 2018-05-25 10:12:56
End at: 2018-05-25 10:13:26
Local clock offset: 6.748 ms
Remote clock offset: 49.498 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 162.406 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 156.022 ms
Loss rate: 7.16%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 159.664 ms
Loss rate: 5.36%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 179.502 ms
Loss rate: 5.59%
```

Run 8: Report of Sprout — Data Link

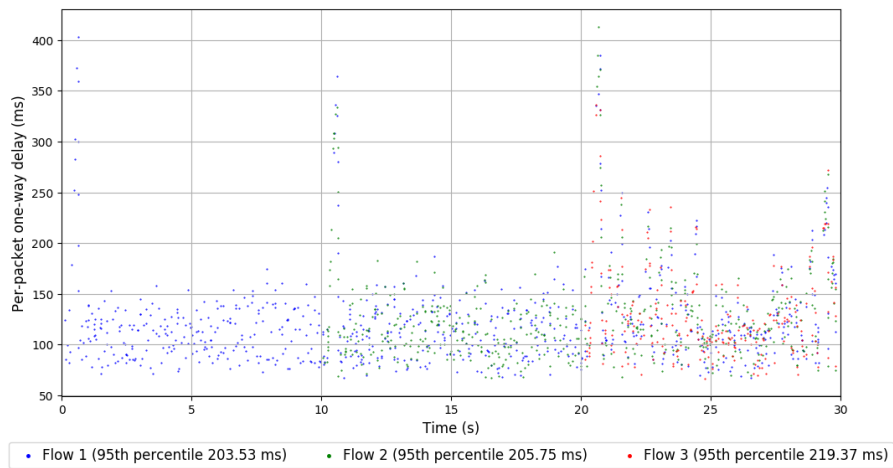
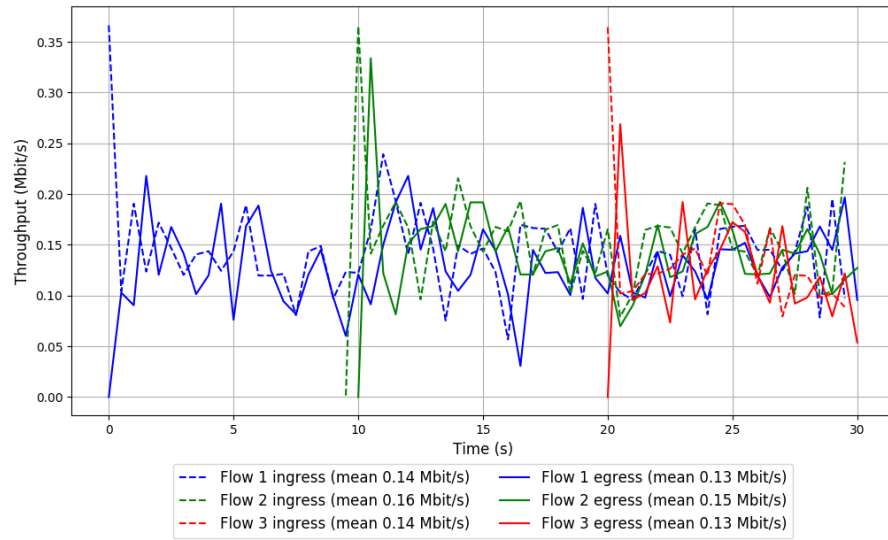


Run 9: Statistics of Sprout

Start at: 2018-05-25 10:33:46
End at: 2018-05-25 10:34:16
Local clock offset: 6.961 ms
Remote clock offset: 64.197 ms

Below is generated by plot.py at 2018-05-25 11:01:55
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 213.485 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 203.531 ms
Loss rate: 8.78%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 205.750 ms
Loss rate: 8.76%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 219.369 ms
Loss rate: 9.84%

Run 9: Report of Sprout — Data Link

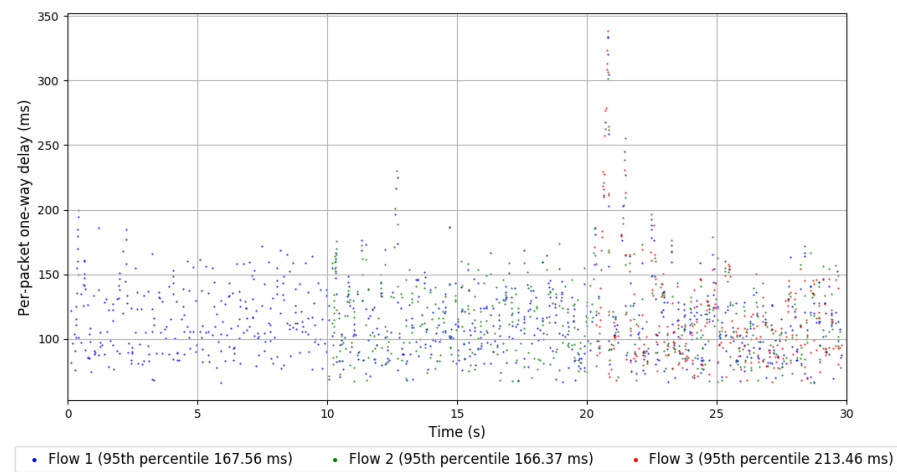
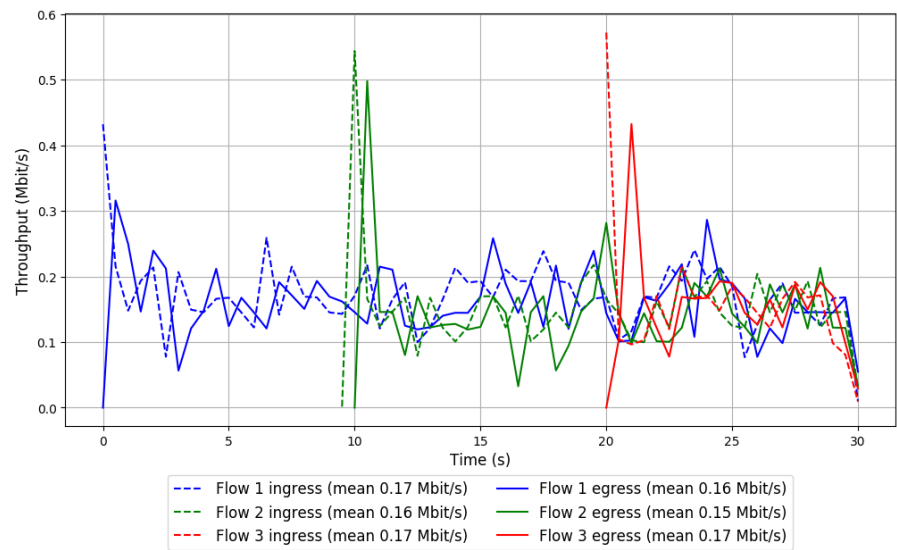


Run 10: Statistics of Sprout

Start at: 2018-05-25 10:54:36
End at: 2018-05-25 10:55:06
Local clock offset: 7.129 ms
Remote clock offset: 38.867 ms

```
# Below is generated by plot.py at 2018-05-25 11:01:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 171.029 ms
Loss rate: 6.87%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 167.557 ms
Loss rate: 6.49%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 166.367 ms
Loss rate: 8.03%
-- Flow 3:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 213.456 ms
Loss rate: 5.90%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-05-25 07:40:49

End at: 2018-05-25 07:41:19

Local clock offset: 1.568 ms

Remote clock offset: 5.221 ms

Below is generated by plot.py at 2018-05-25 11:01:56

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 380.207 ms

Loss rate: 49.93%

-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 375.189 ms

Loss rate: 45.94%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 385.561 ms

Loss rate: 54.70%

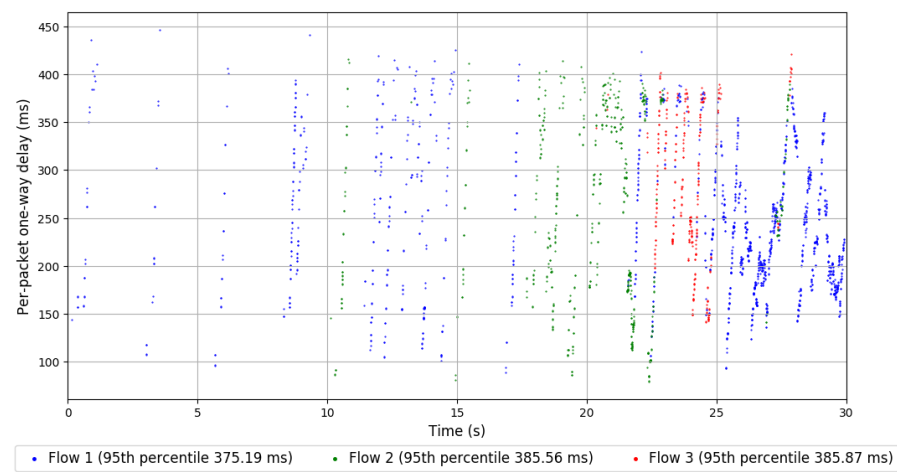
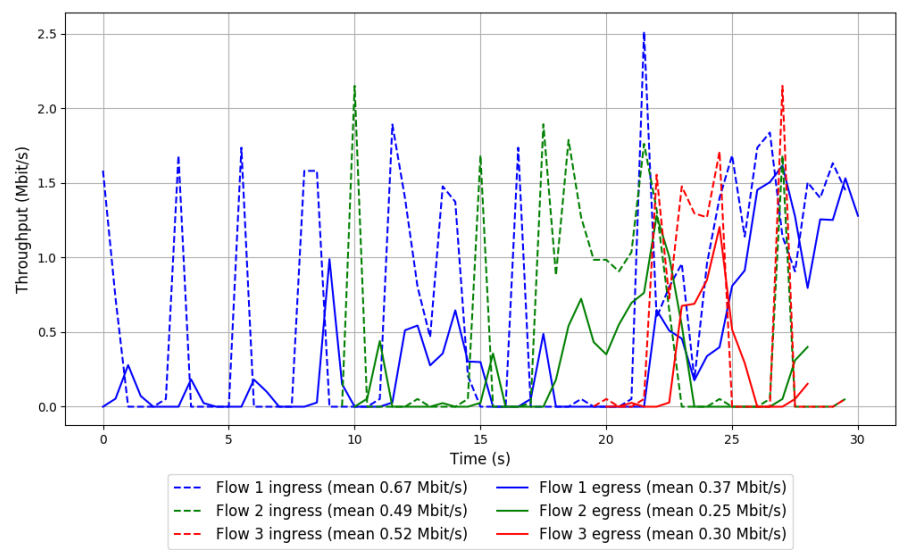
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 385.865 ms

Loss rate: 56.59%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-05-25 08:01:40

End at: 2018-05-25 08:02:10

Local clock offset: 1.804 ms

Remote clock offset: 0.213 ms

Below is generated by plot.py at 2018-05-25 11:02:01

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: 372.690 ms

Loss rate: 24.79%

-- Flow 1:

Average throughput: 1.02 Mbit/s

95th percentile per-packet one-way delay: 368.913 ms

Loss rate: 17.03%

-- Flow 2:

Average throughput: 0.91 Mbit/s

95th percentile per-packet one-way delay: 372.320 ms

Loss rate: 25.62%

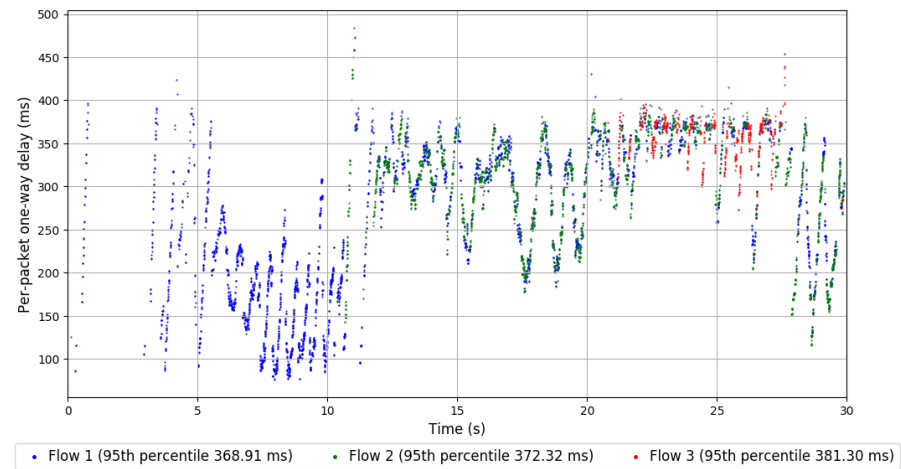
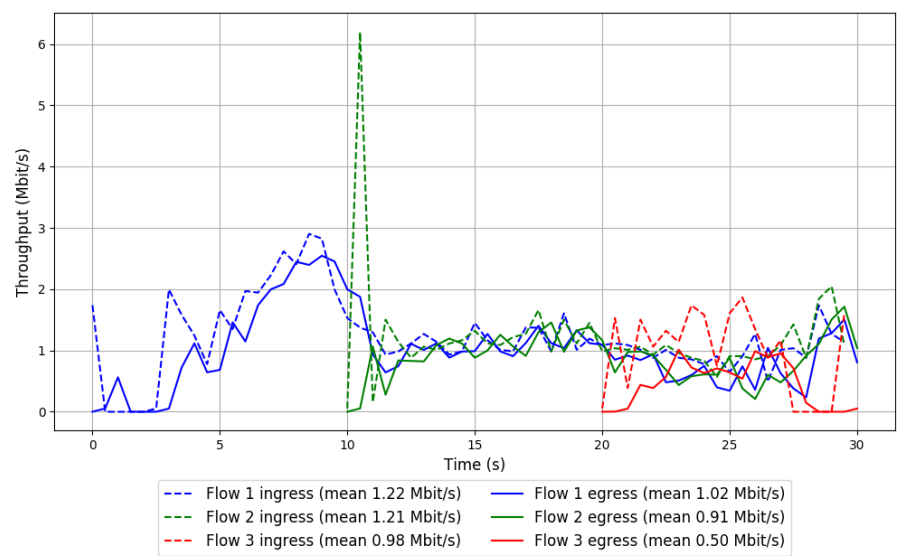
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 381.296 ms

Loss rate: 51.70%

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

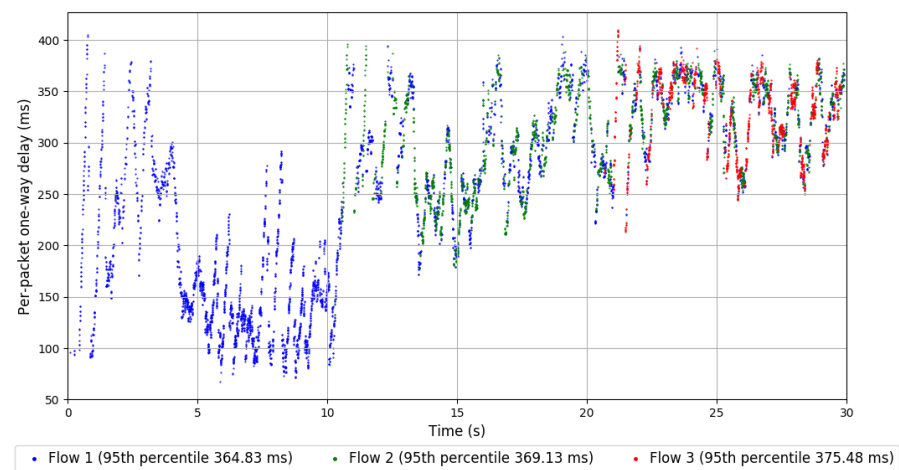
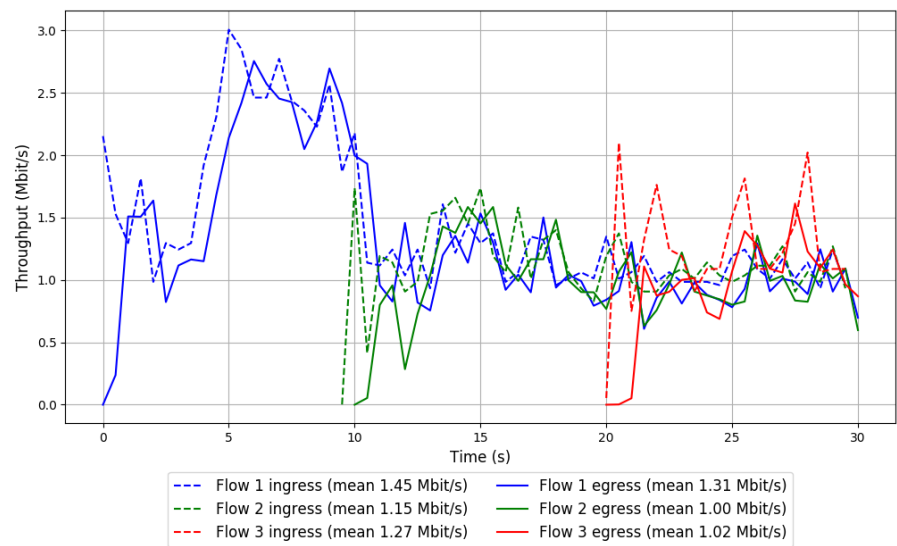


Run 3: Statistics of TaoVA-100x

Start at: 2018-05-25 08:23:50
End at: 2018-05-25 08:24:20
Local clock offset: 2.645 ms
Remote clock offset: -2.979 ms

Below is generated by plot.py at 2018-05-25 11:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 368.667 ms
Loss rate: 13.14%
-- Flow 1:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 364.833 ms
Loss rate: 10.15%
-- Flow 2:
Average throughput: 1.00 Mbit/s
95th percentile per-packet one-way delay: 369.129 ms
Loss rate: 13.63%
-- Flow 3:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 375.477 ms
Loss rate: 22.64%

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

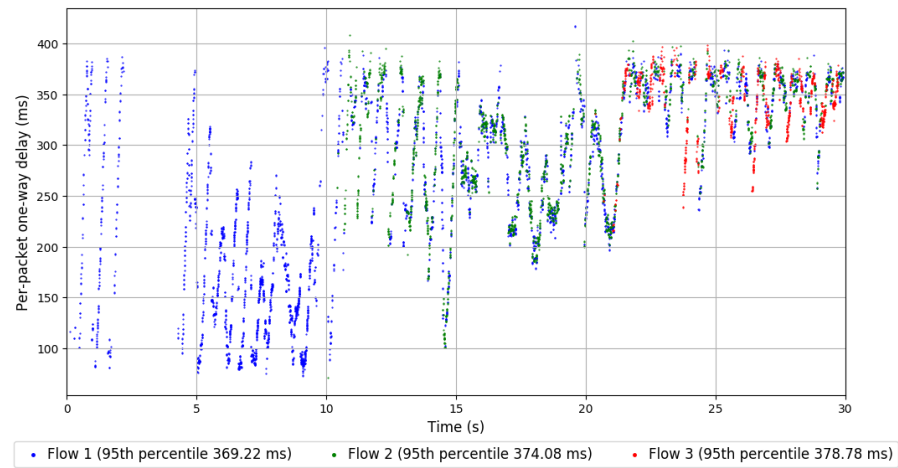
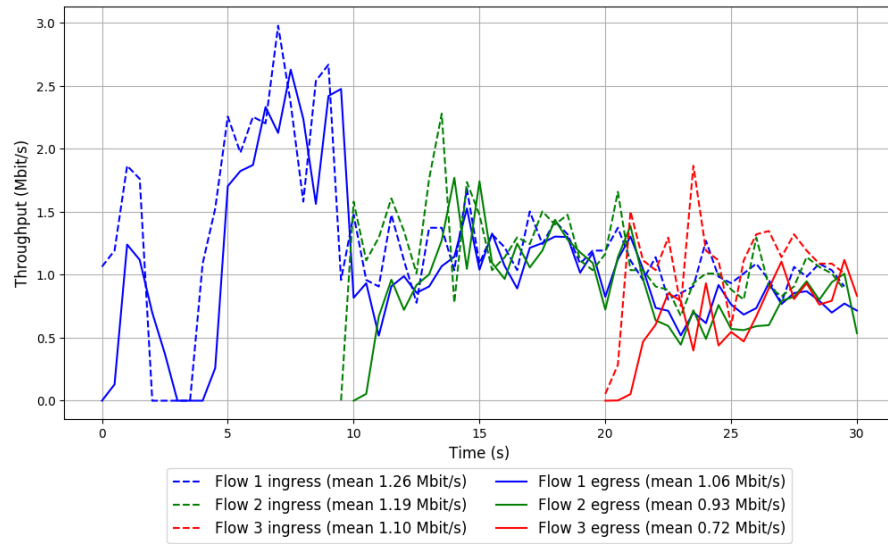


Run 4: Statistics of TaoVA-100x

Start at: 2018-05-25 08:47:02
End at: 2018-05-25 08:47:32
Local clock offset: 2.144 ms
Remote clock offset: 15.628 ms

Below is generated by plot.py at 2018-05-25 11:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 373.034 ms
Loss rate: 21.15%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 369.224 ms
Loss rate: 15.91%
-- Flow 2:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 374.076 ms
Loss rate: 22.27%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 378.776 ms
Loss rate: 37.12%

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

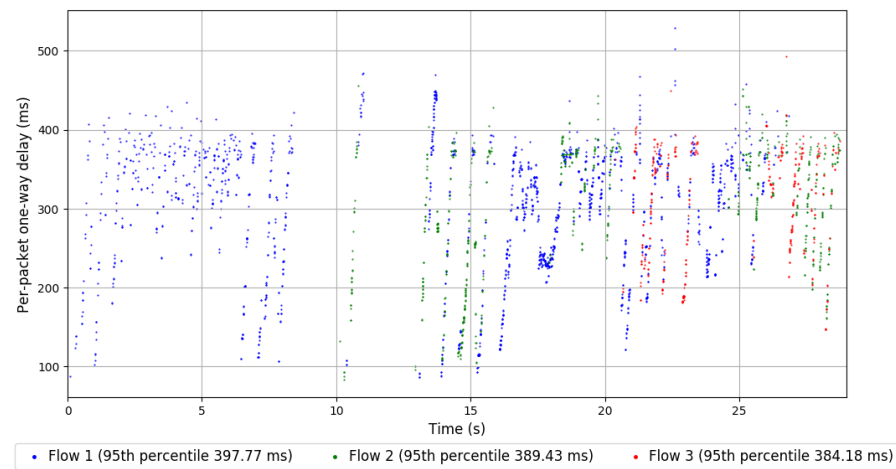
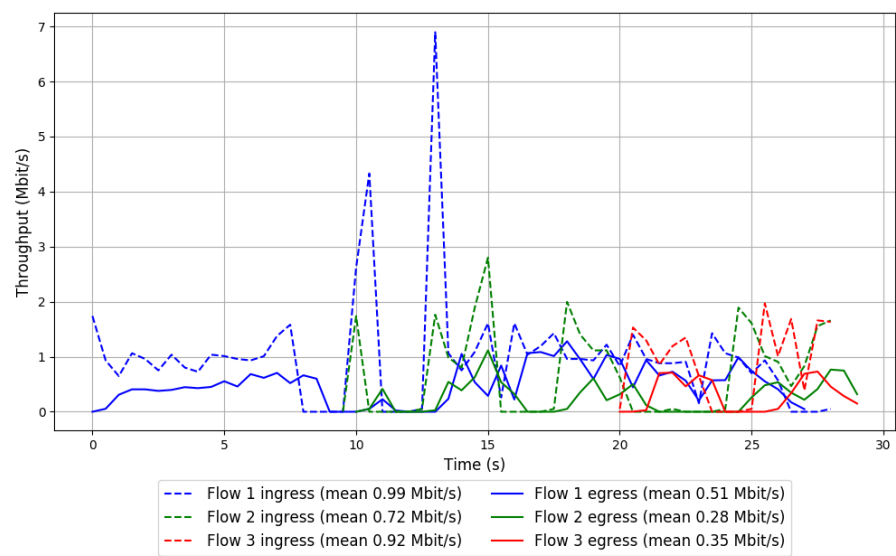


Run 5: Statistics of TaoVA-100x

Start at: 2018-05-25 09:07:52
End at: 2018-05-25 09:08:22
Local clock offset: 2.171 ms
Remote clock offset: 10.296 ms

Below is generated by plot.py at 2018-05-25 11:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 393.592 ms
Loss rate: 55.86%
-- Flow 1:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 397.767 ms
Loss rate: 51.81%
-- Flow 2:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 389.431 ms
Loss rate: 61.02%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 384.177 ms
Loss rate: 61.88%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-05-25 09:28:41

End at: 2018-05-25 09:29:11

Local clock offset: 3.347 ms

Remote clock offset: 5.654 ms

Below is generated by plot.py at 2018-05-25 11:02:04

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 377.172 ms

Loss rate: 29.63%

-- Flow 1:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 374.986 ms

Loss rate: 27.66%

-- Flow 2:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 375.644 ms

Loss rate: 24.14%

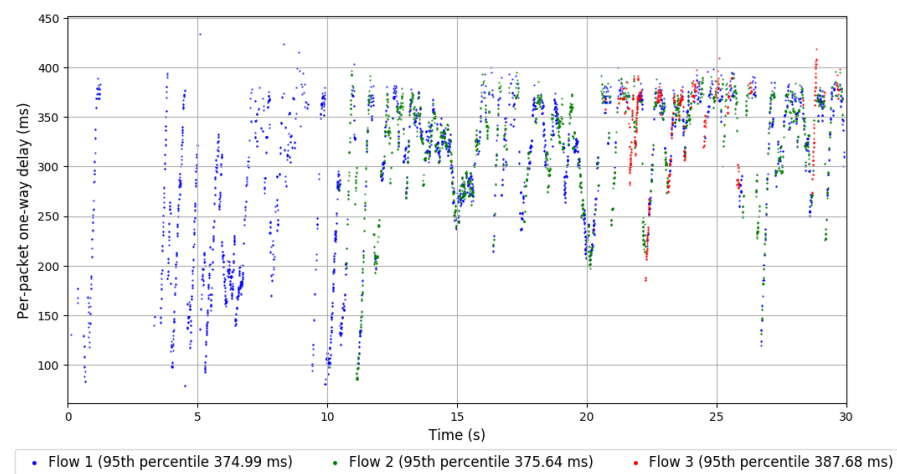
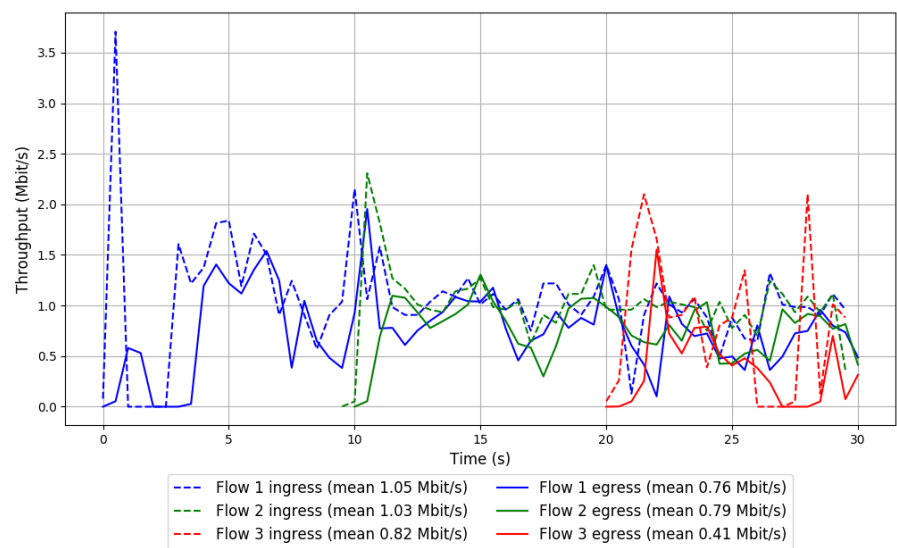
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 387.684 ms

Loss rate: 51.26%

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

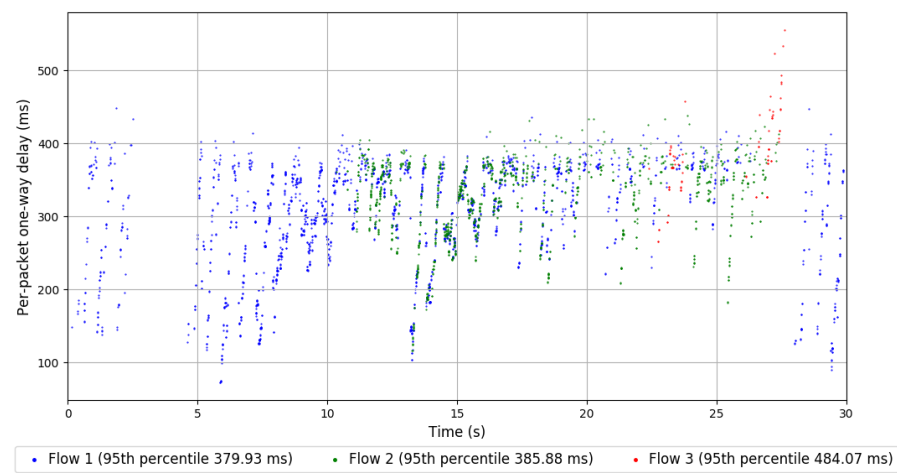
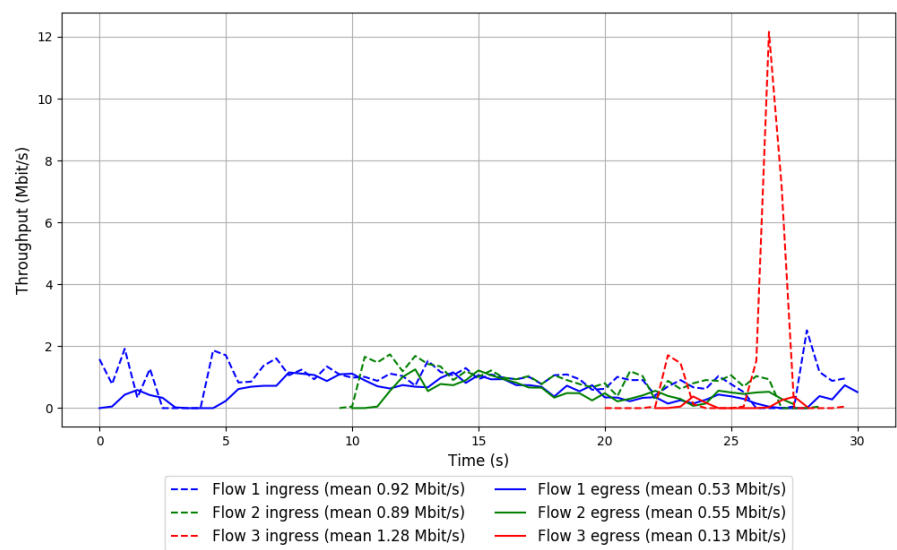


Run 7: Statistics of TaoVA-100x

Start at: 2018-05-25 09:49:32
End at: 2018-05-25 09:50:02
Local clock offset: 6.779 ms
Remote clock offset: 33.073 ms

Below is generated by plot.py at 2018-05-25 11:02:04
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 385.356 ms
Loss rate: 54.12%
-- Flow 1:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 379.930 ms
Loss rate: 41.99%
-- Flow 2:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 385.878 ms
Loss rate: 44.54%
-- Flow 3:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 484.071 ms
Loss rate: 94.63%

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

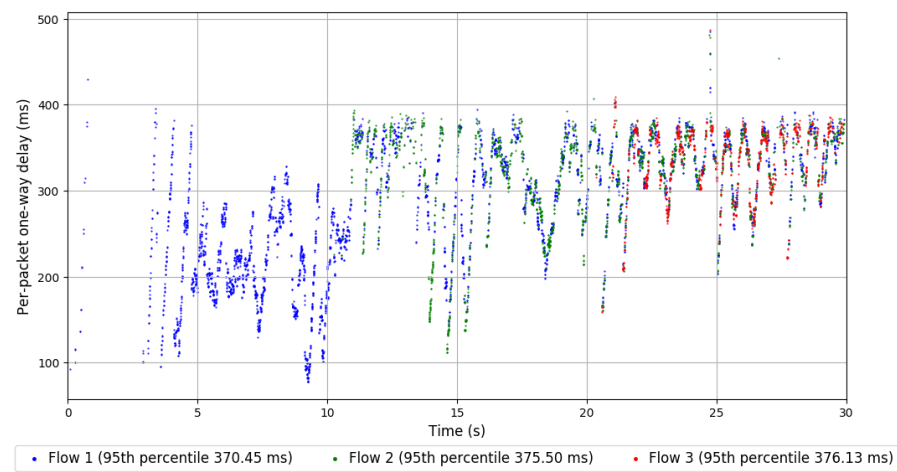
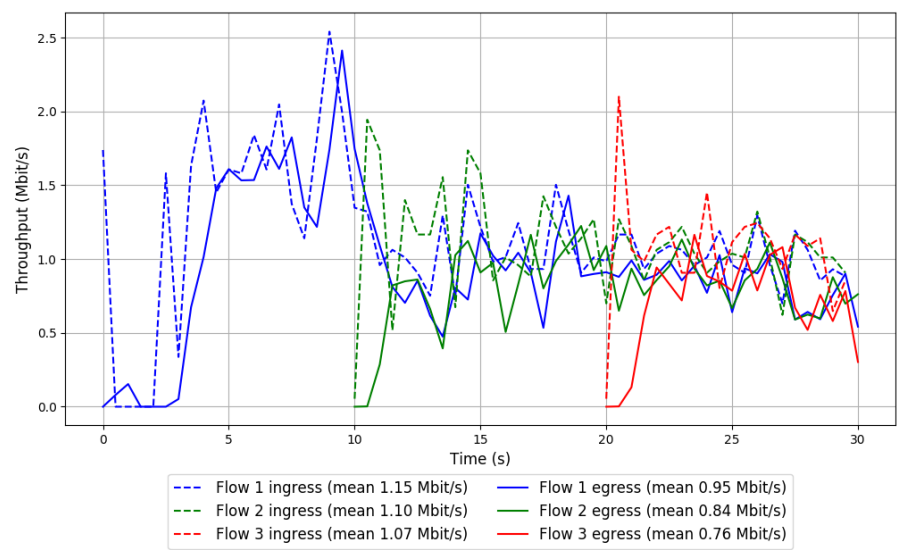


Run 8: Statistics of TaoVA-100x

Start at: 2018-05-25 10:10:20
End at: 2018-05-25 10:10:50
Local clock offset: 6.715 ms
Remote clock offset: 46.795 ms

Below is generated by plot.py at 2018-05-25 11:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.75 Mbit/s
95th percentile per-packet one-way delay: 373.827 ms
Loss rate: 21.87%
-- Flow 1:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 370.455 ms
Loss rate: 17.09%
-- Flow 2:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 375.496 ms
Loss rate: 24.59%
-- Flow 3:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 376.129 ms
Loss rate: 31.74%

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

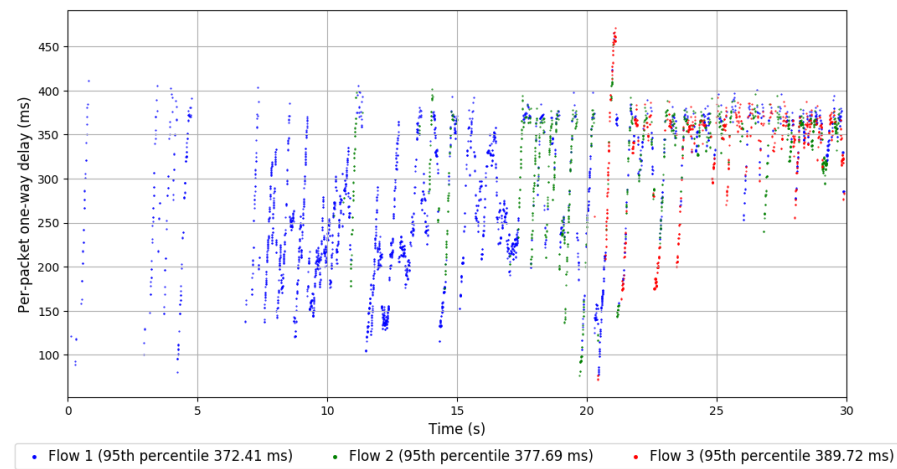
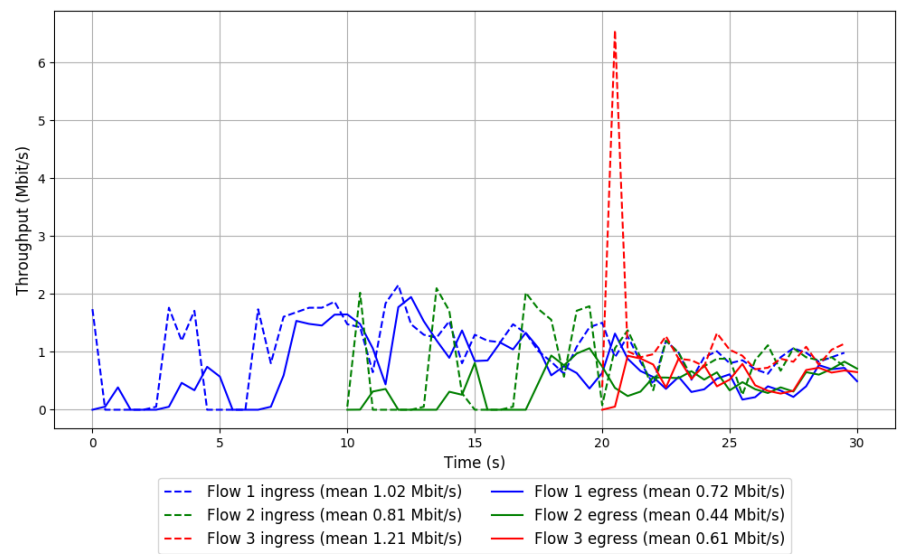


Run 9: Statistics of TaoVA-100x

Start at: 2018-05-25 10:31:09
End at: 2018-05-25 10:31:39
Local clock offset: 7.059 ms
Remote clock offset: 62.652 ms

Below is generated by plot.py at 2018-05-25 11:02:06
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 375.536 ms
Loss rate: 39.17%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 372.407 ms
Loss rate: 30.41%
-- Flow 2:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 377.692 ms
Loss rate: 46.71%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 389.722 ms
Loss rate: 51.43%

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

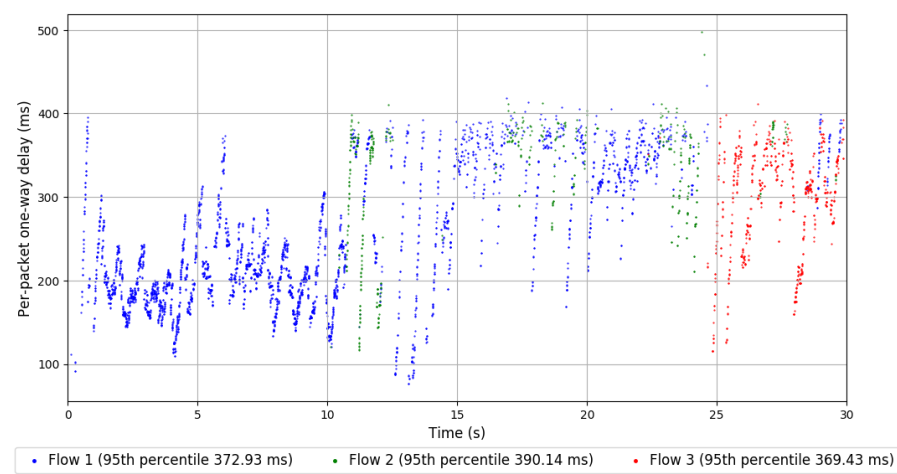
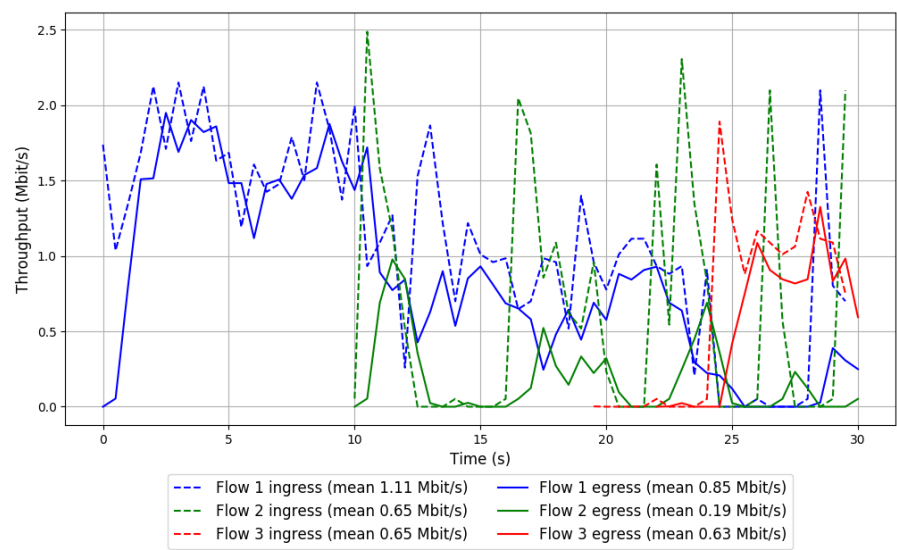


Run 10: Statistics of TaoVA-100x

Start at: 2018-05-25 10:51:59
End at: 2018-05-25 10:52:29
Local clock offset: 7.361 ms
Remote clock offset: 41.352 ms

Below is generated by plot.py at 2018-05-25 11:02:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 376.029 ms
Loss rate: 35.52%
-- Flow 1:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 372.932 ms
Loss rate: 23.45%
-- Flow 2:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 390.142 ms
Loss rate: 71.28%
-- Flow 3:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 369.427 ms
Loss rate: 26.50%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-05-25 07:42:07

End at: 2018-05-25 07:42:37

Local clock offset: 1.271 ms

Remote clock offset: 4.592 ms

Below is generated by plot.py at 2018-05-25 11:02:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 221.759 ms

Loss rate: 8.86%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 283.209 ms

Loss rate: 8.91%

-- Flow 2:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 178.881 ms

Loss rate: 10.23%

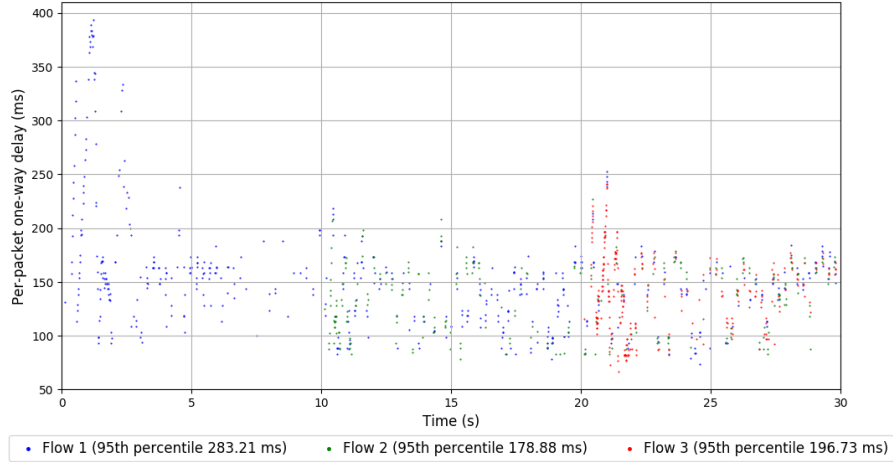
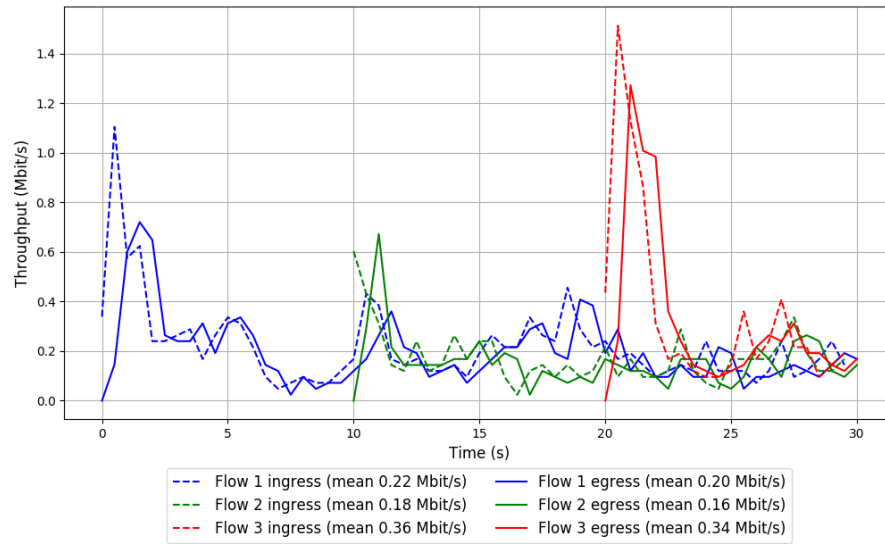
-- Flow 3:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 196.733 ms

Loss rate: 7.43%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-05-25 08:02:58

End at: 2018-05-25 08:03:28

Local clock offset: 1.709 ms

Remote clock offset: 0.119 ms

Below is generated by plot.py at 2018-05-25 11:02:08

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 158.949 ms

Loss rate: 8.19%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 148.225 ms

Loss rate: 6.57%

-- Flow 2:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 174.676 ms

Loss rate: 8.58%

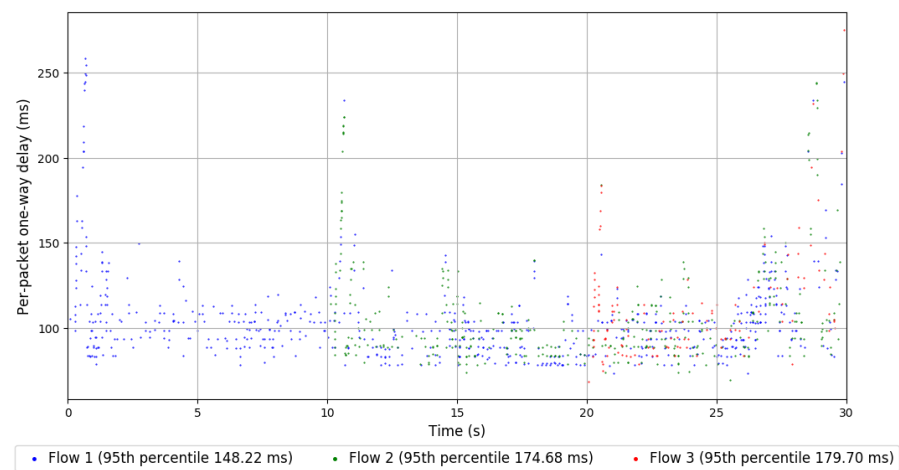
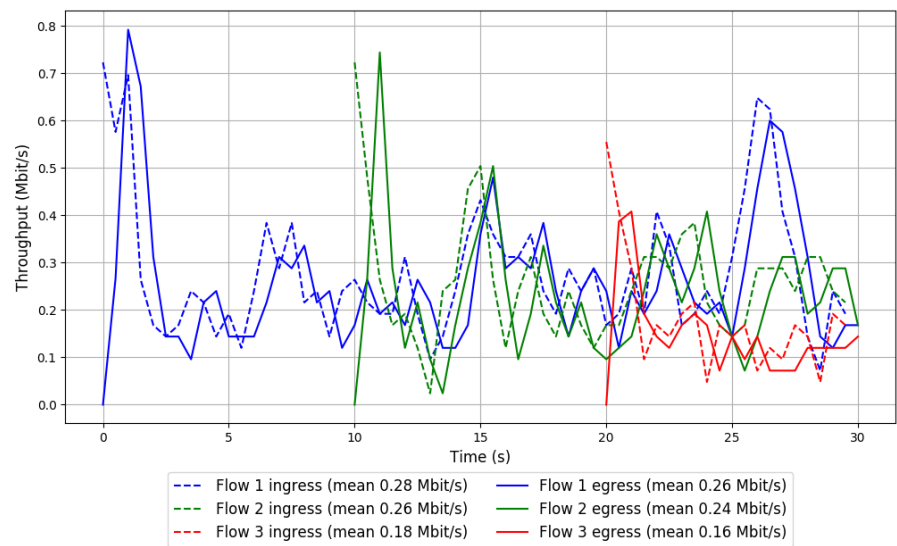
-- Flow 3:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 179.700 ms

Loss rate: 14.65%

Run 2: Report of TCP Vegas — Data Link

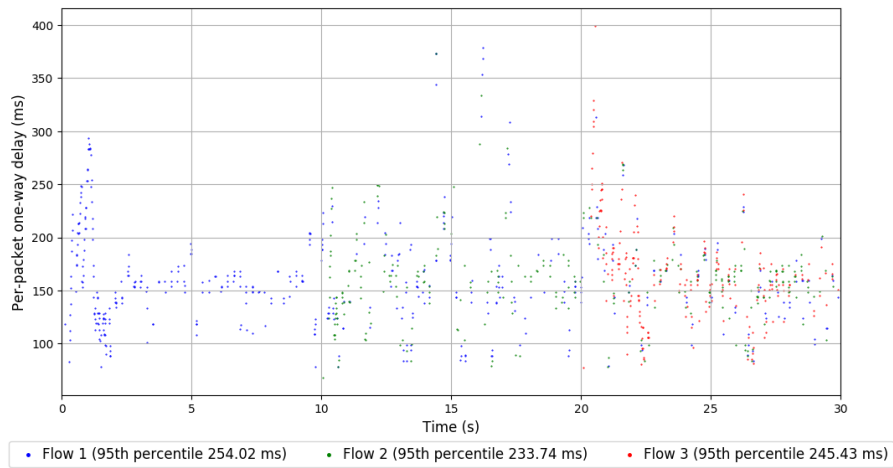
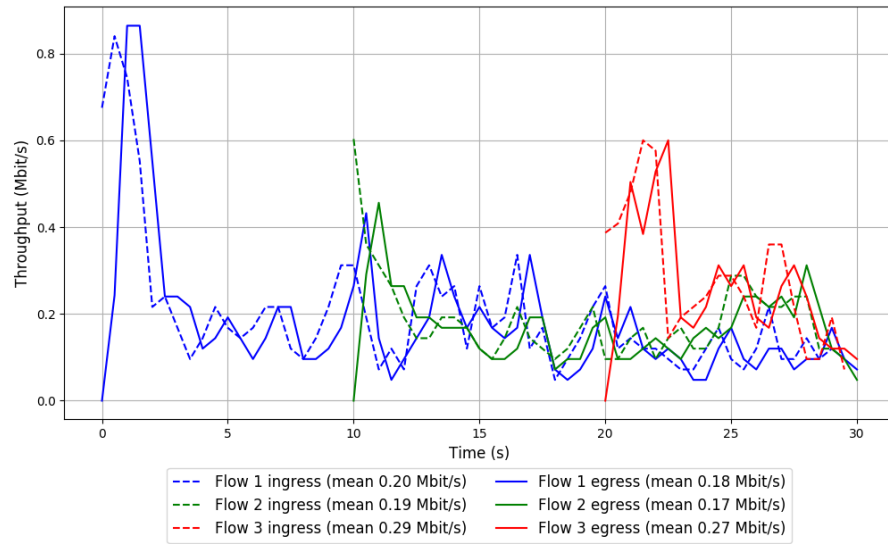


Run 3: Statistics of TCP Vegas

Start at: 2018-05-25 08:25:17
End at: 2018-05-25 08:25:47
Local clock offset: 2.667 ms
Remote clock offset: -0.481 ms

Below is generated by plot.py at 2018-05-25 11:02:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 248.085 ms
Loss rate: 6.95%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 254.024 ms
Loss rate: 7.29%
-- Flow 2:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 233.743 ms
Loss rate: 7.79%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 245.430 ms
Loss rate: 5.13%

Run 3: Report of TCP Vegas — Data Link

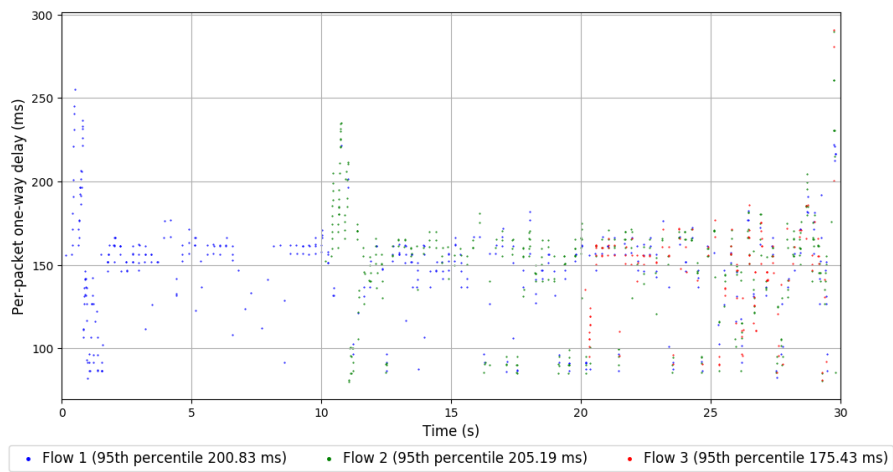
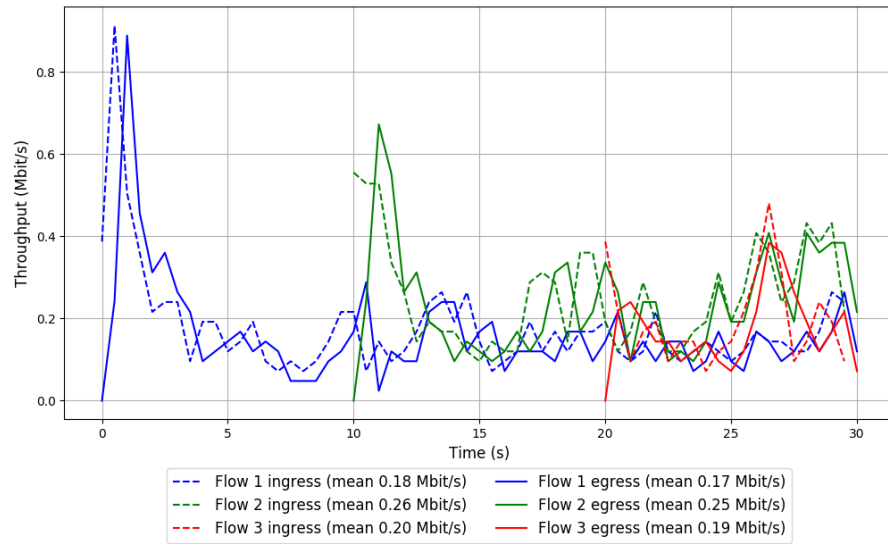


Run 4: Statistics of TCP Vegas

Start at: 2018-05-25 08:48:20
End at: 2018-05-25 08:48:50
Local clock offset: 2.257 ms
Remote clock offset: 16.111 ms

Below is generated by plot.py at 2018-05-25 11:02:08
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 199.450 ms
Loss rate: 7.05%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 200.827 ms
Loss rate: 8.11%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 205.195 ms
Loss rate: 5.81%
-- Flow 3:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 175.430 ms
Loss rate: 7.45%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-05-25 09:09:10

End at: 2018-05-25 09:09:40

Local clock offset: 2.284 ms

Remote clock offset: 9.686 ms

Below is generated by plot.py at 2018-05-25 11:02:09

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 224.211 ms

Loss rate: 6.37%

-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 339.519 ms

Loss rate: 7.02%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 179.575 ms

Loss rate: 7.01%

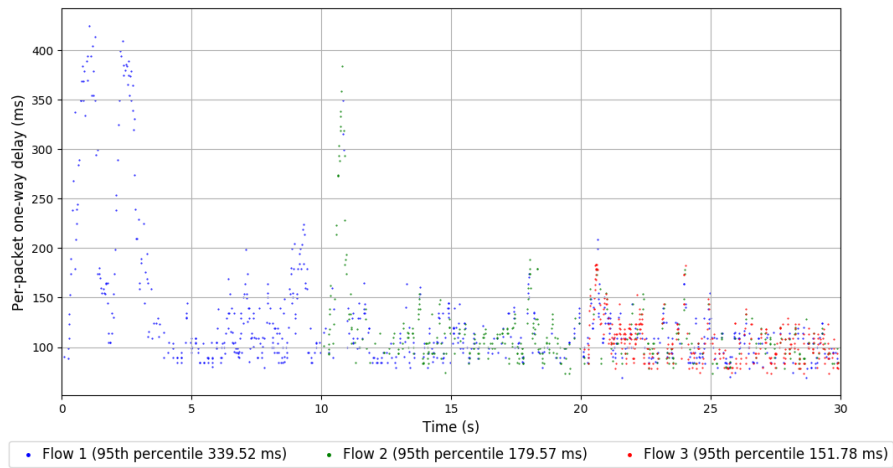
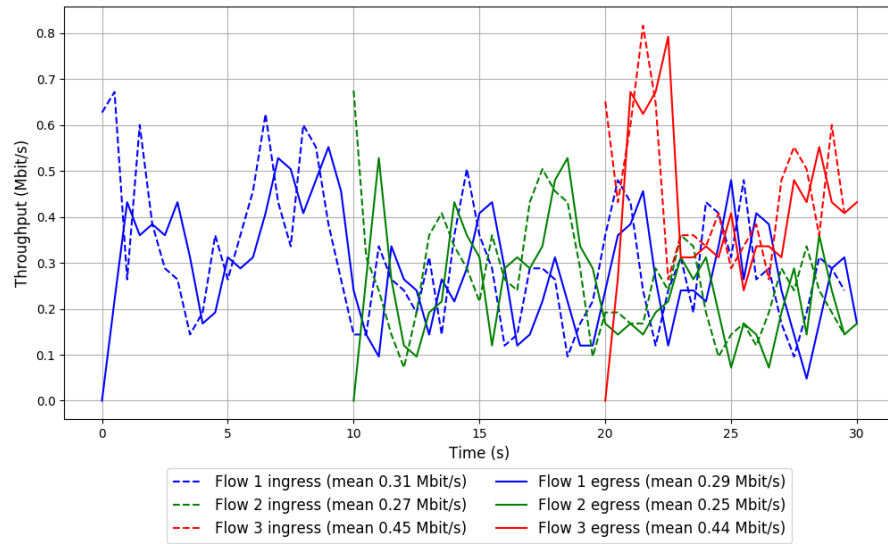
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 151.784 ms

Loss rate: 4.24%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-05-25 09:30:00

End at: 2018-05-25 09:30:30

Local clock offset: 3.872 ms

Remote clock offset: 5.605 ms

Below is generated by plot.py at 2018-05-25 11:02:10

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 287.193 ms

Loss rate: 9.89%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 262.068 ms

Loss rate: 8.74%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 238.606 ms

Loss rate: 10.00%

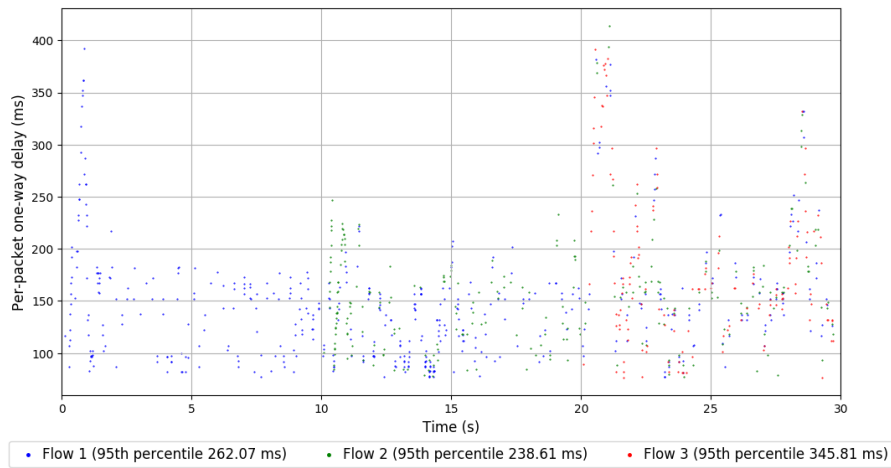
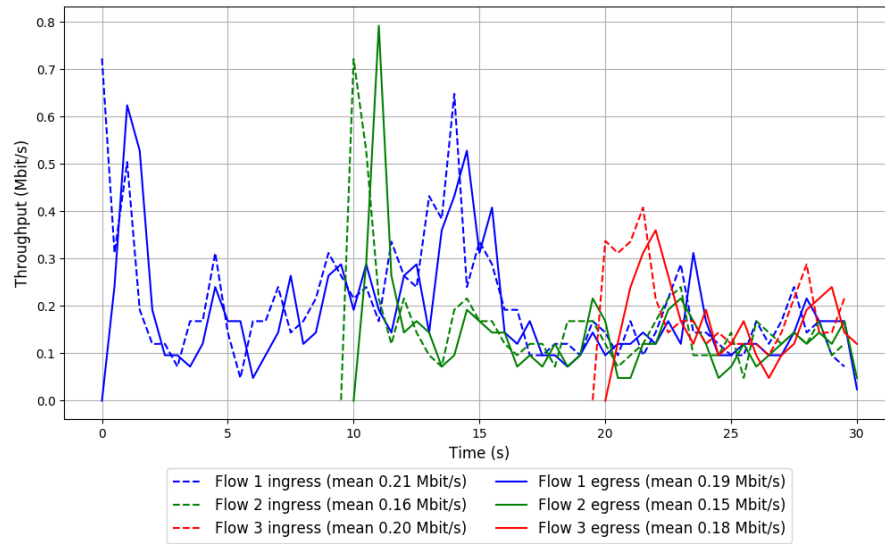
-- Flow 3:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 345.807 ms

Loss rate: 13.32%

Run 6: Report of TCP Vegas — Data Link

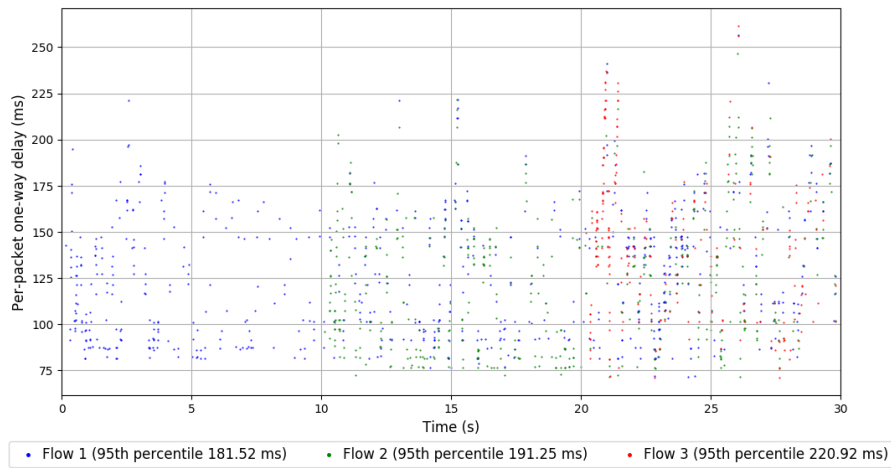
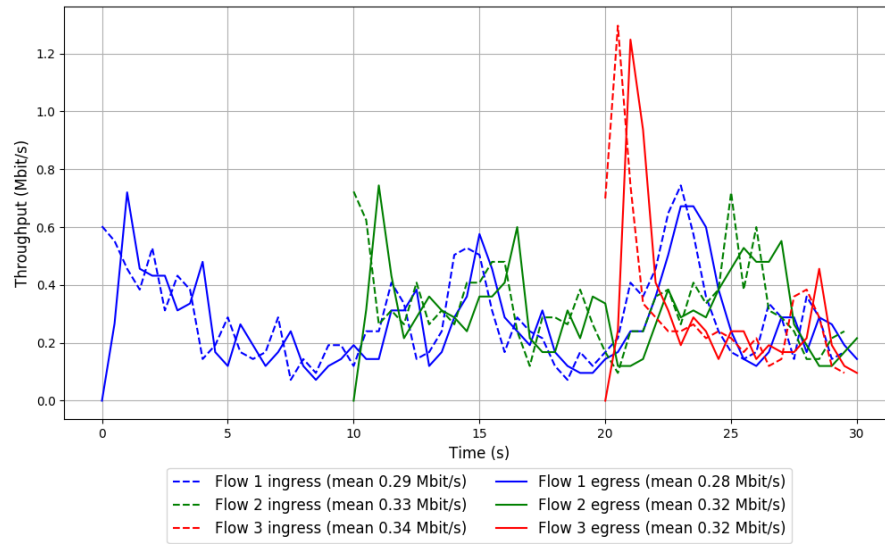


Run 7: Statistics of TCP Vegas

Start at: 2018-05-25 09:50:50
End at: 2018-05-25 09:51:20
Local clock offset: 7.009 ms
Remote clock offset: 33.853 ms

Below is generated by plot.py at 2018-05-25 11:02:10
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 191.584 ms
Loss rate: 5.17%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 181.524 ms
Loss rate: 4.87%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 191.245 ms
Loss rate: 4.90%
-- Flow 3:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 220.919 ms
Loss rate: 6.47%

Run 7: Report of TCP Vegas — Data Link

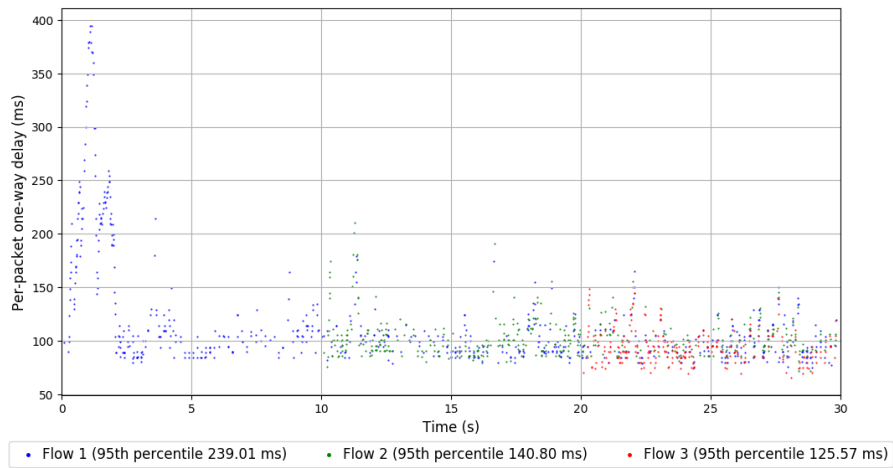
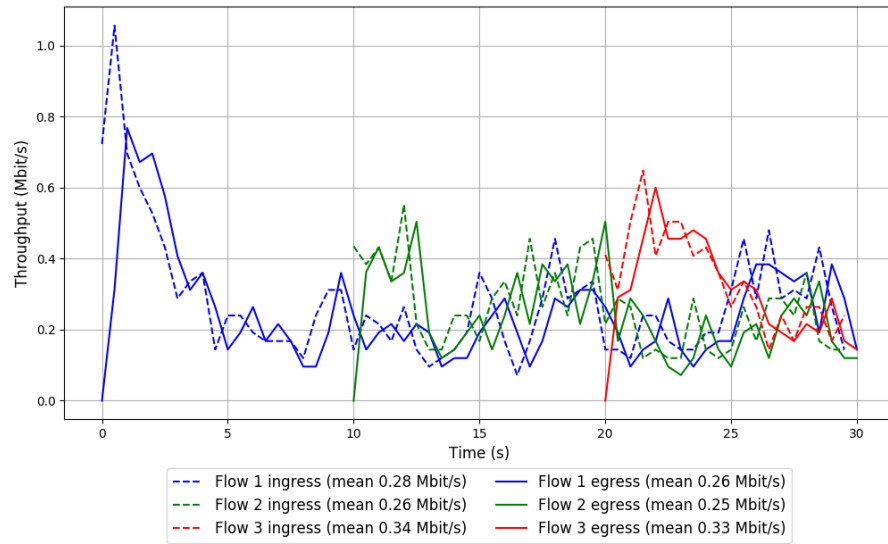


Run 8: Statistics of TCP Vegas

Start at: 2018-05-25 10:11:38
End at: 2018-05-25 10:12:08
Local clock offset: 6.727 ms
Remote clock offset: 48.057 ms

```
# Below is generated by plot.py at 2018-05-25 11:02:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.53 Mbit/s
95th percentile per-packet one-way delay: 209.126 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 239.009 ms
Loss rate: 8.73%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 140.798 ms
Loss rate: 6.93%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 125.574 ms
Loss rate: 6.31%
```

Run 8: Report of TCP Vegas — Data Link

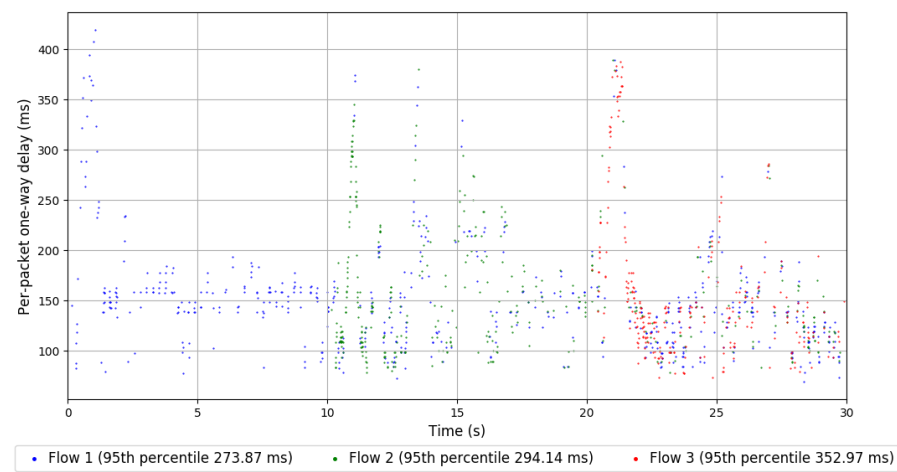
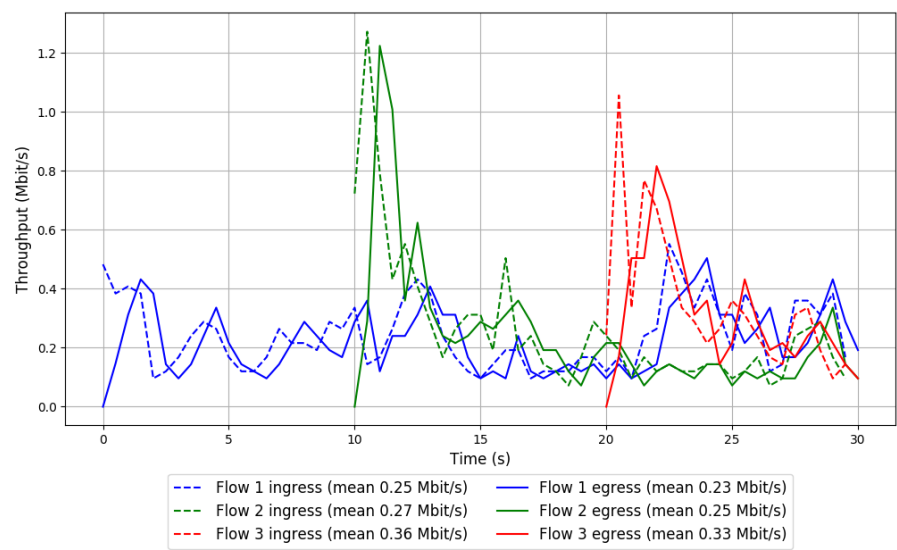


Run 9: Statistics of TCP Vegas

Start at: 2018-05-25 10:32:28
End at: 2018-05-25 10:32:58
Local clock offset: 6.92 ms
Remote clock offset: 63.453 ms

```
# Below is generated by plot.py at 2018-05-25 11:02:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 302.614 ms
Loss rate: 7.09%
-- Flow 1:
Average throughput: 0.23 Mbit/s
95th percentile per-packet one-way delay: 273.868 ms
Loss rate: 7.06%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 294.145 ms
Loss rate: 7.29%
-- Flow 3:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 352.973 ms
Loss rate: 6.87%
```


Run 9: Report of TCP Vegas — Data Link

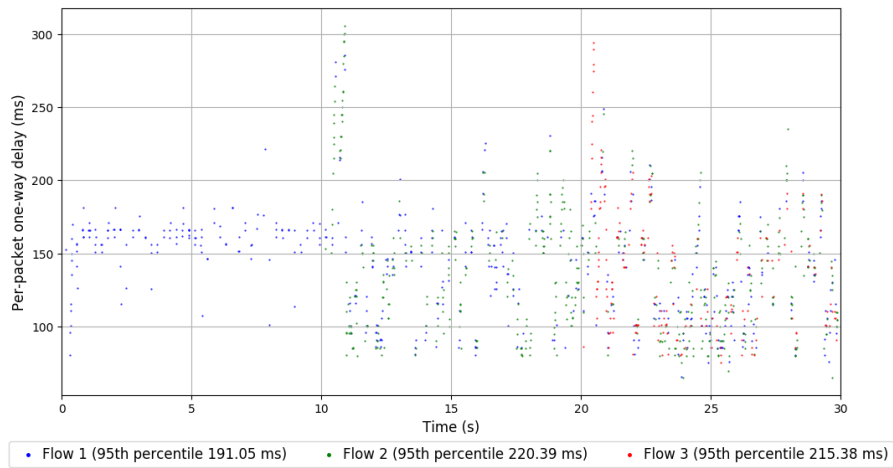
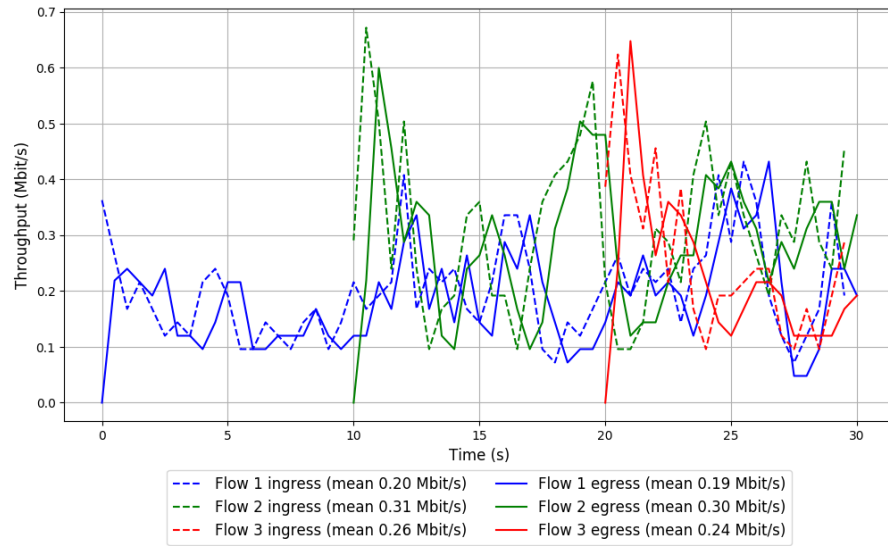


Run 10: Statistics of TCP Vegas

Start at: 2018-05-25 10:53:18
End at: 2018-05-25 10:53:48
Local clock offset: 7.138 ms
Remote clock offset: 40.107 ms

Below is generated by plot.py at 2018-05-25 11:02:12
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 210.322 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 191.050 ms
Loss rate: 6.72%
-- Flow 2:
Average throughput: 0.30 Mbit/s
95th percentile per-packet one-way delay: 220.388 ms
Loss rate: 5.39%
-- Flow 3:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 215.381 ms
Loss rate: 8.49%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-05-25 07:39:31

End at: 2018-05-25 07:40:01

Local clock offset: 1.684 ms

Remote clock offset: 4.634 ms

Below is generated by plot.py at 2018-05-25 11:02:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 120.241 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 120.241 ms

Loss rate: 3.33%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 117.006 ms

Loss rate: 0.00%

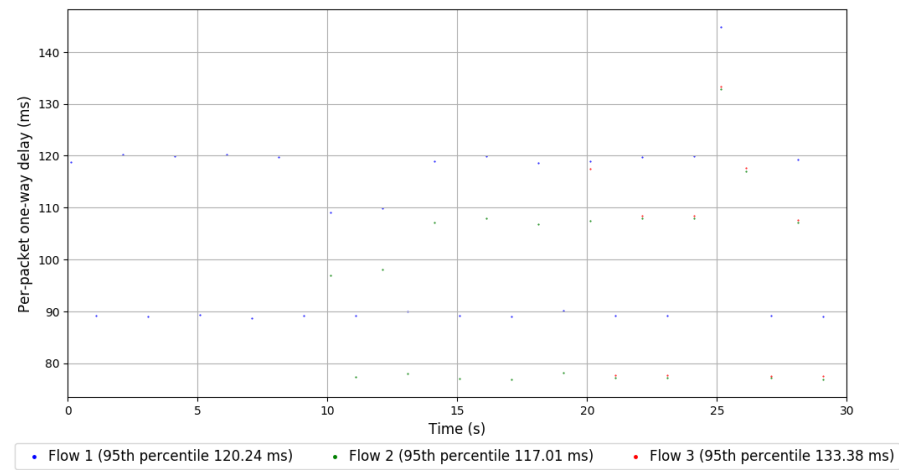
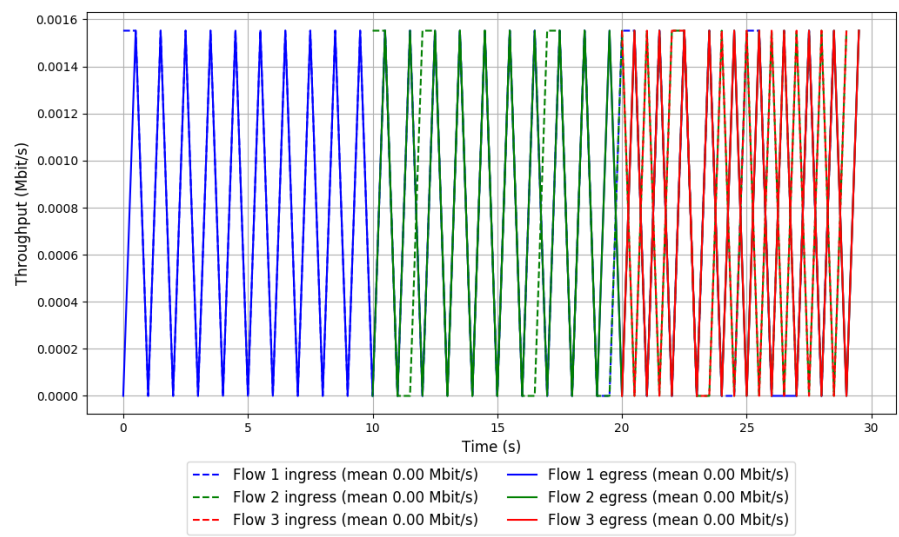
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 133.384 ms

Loss rate: 0.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-05-25 08:00:22

End at: 2018-05-25 08:00:52

Local clock offset: 1.526 ms

Remote clock offset: 0.613 ms

Below is generated by plot.py at 2018-05-25 11:02:13

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 100.735 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 104.572 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 100.735 ms

Loss rate: 0.00%

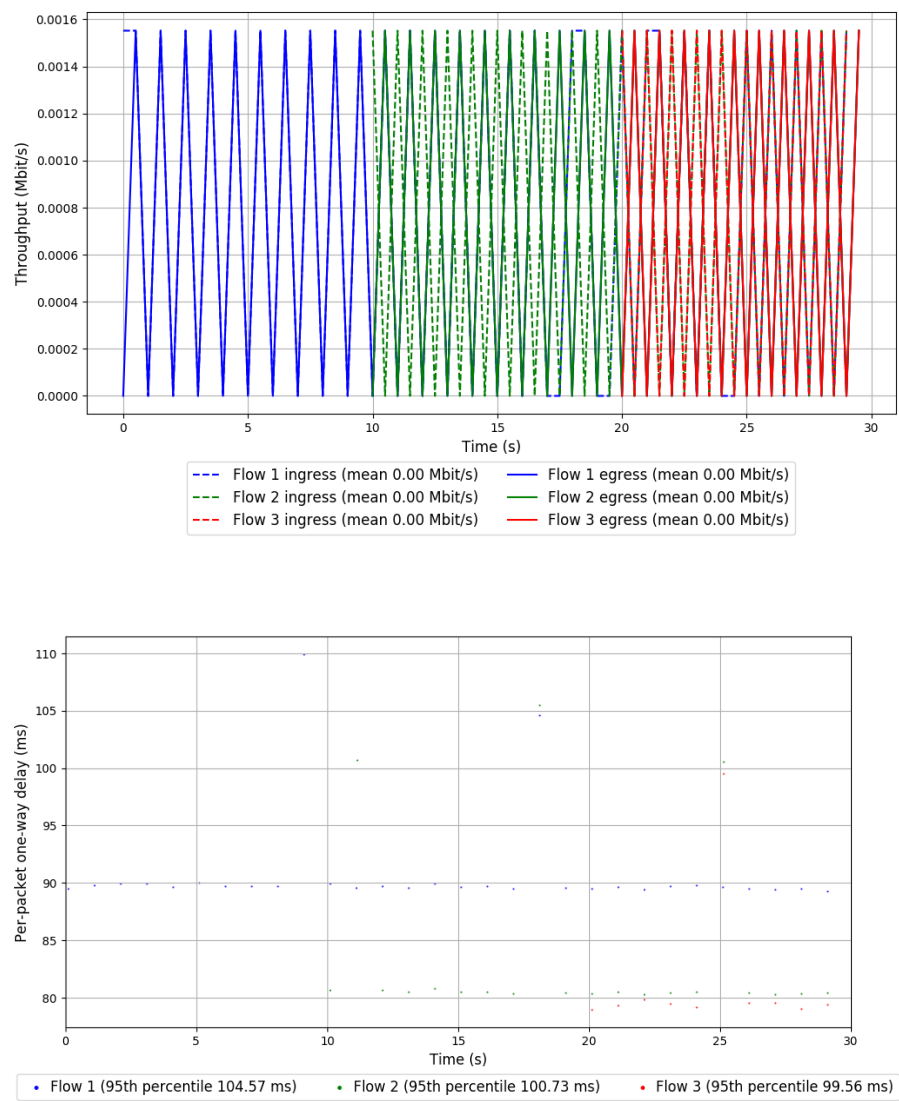
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 99.558 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link

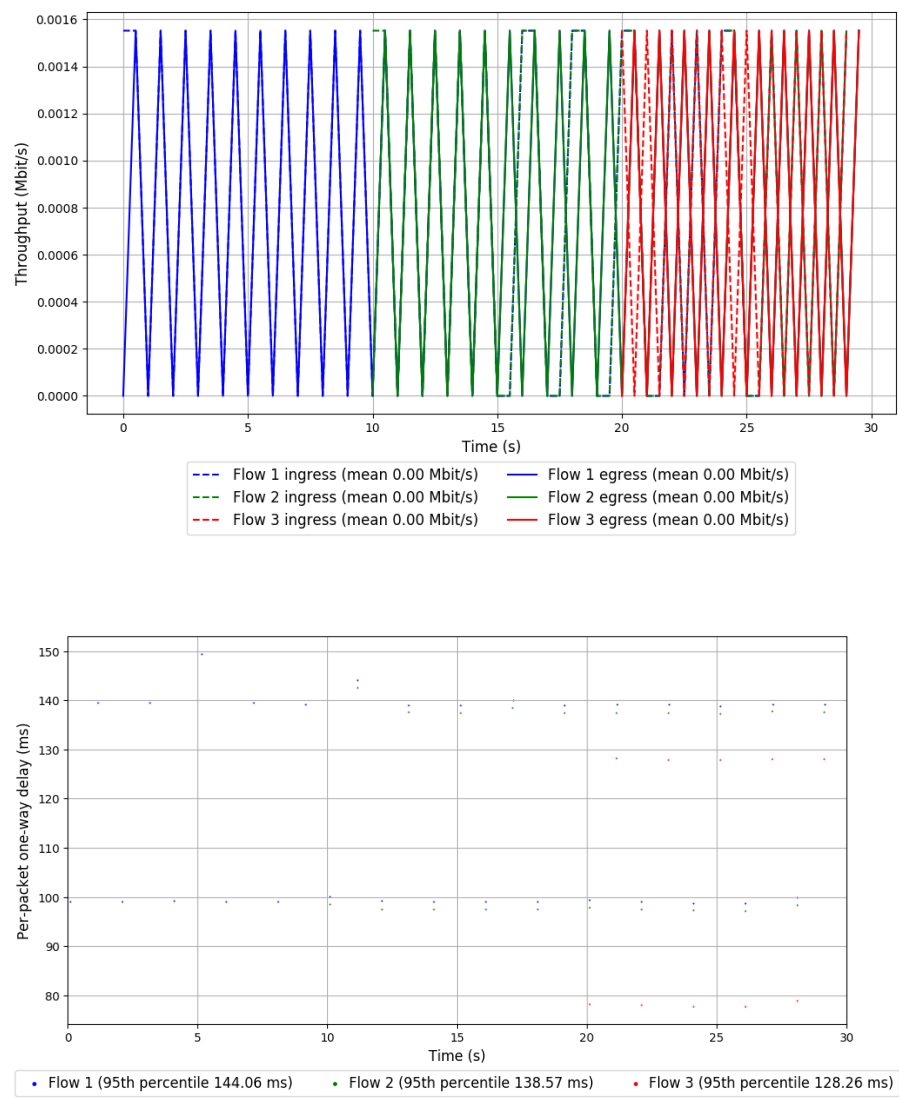


Run 3: Statistics of Verus

Start at: 2018-05-25 08:22:19
End at: 2018-05-25 08:22:49
Local clock offset: 2.741 ms
Remote clock offset: -2.969 ms

Below is generated by plot.py at 2018-05-25 11:02:14
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 140.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 144.063 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 138.572 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 128.258 ms
Loss rate: 0.00%

Run 3: Report of Verus — Data Link

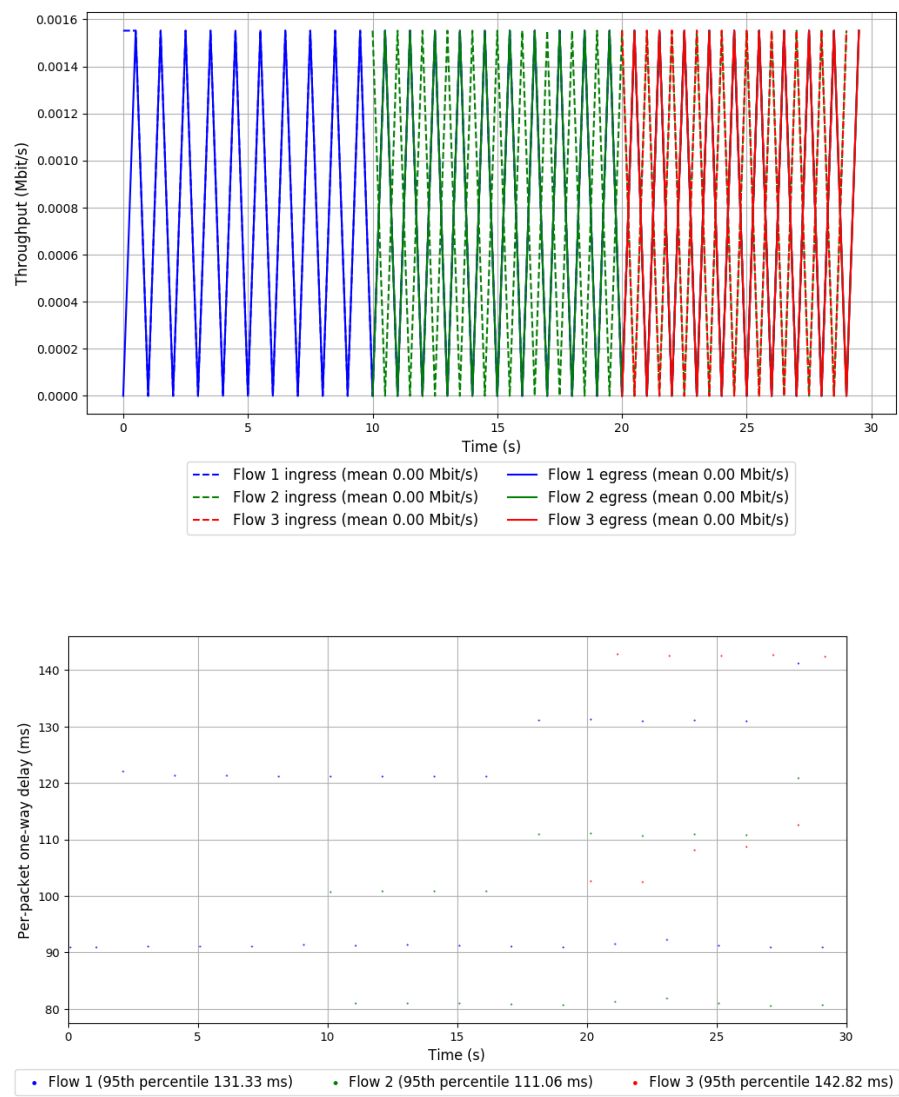


Run 4: Statistics of Verus

Start at: 2018-05-25 08:45:44
End at: 2018-05-25 08:46:14
Local clock offset: 2.26 ms
Remote clock offset: 15.359 ms

Below is generated by plot.py at 2018-05-25 11:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 142.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 131.333 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 111.056 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 142.824 ms
Loss rate: 0.00%

Run 4: Report of Verus — Data Link

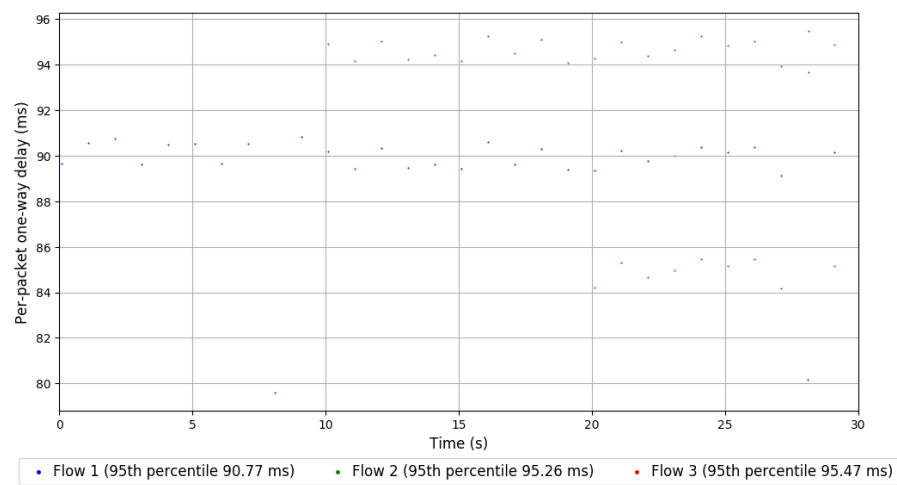
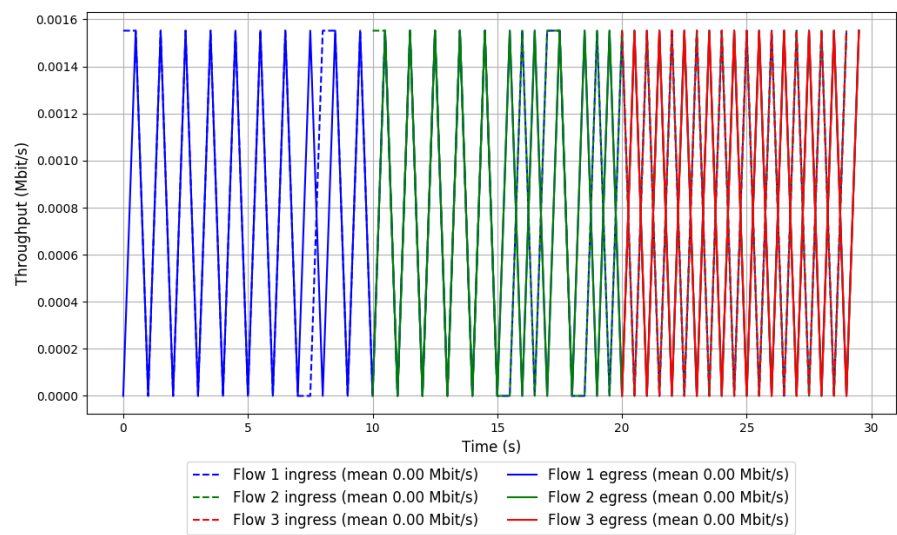


Run 5: Statistics of Verus

Start at: 2018-05-25 09:06:34
End at: 2018-05-25 09:07:04
Local clock offset: 2.283 ms
Remote clock offset: 10.88 ms

Below is generated by plot.py at 2018-05-25 11:02:15
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 95.100 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 90.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 95.259 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 95.471 ms
Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-05-25 09:27:23

End at: 2018-05-25 09:27:53

Local clock offset: 2.663 ms

Remote clock offset: 5.898 ms

Below is generated by plot.py at 2018-05-25 11:02:17

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 138.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 137.808 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 138.794 ms

Loss rate: 0.00%

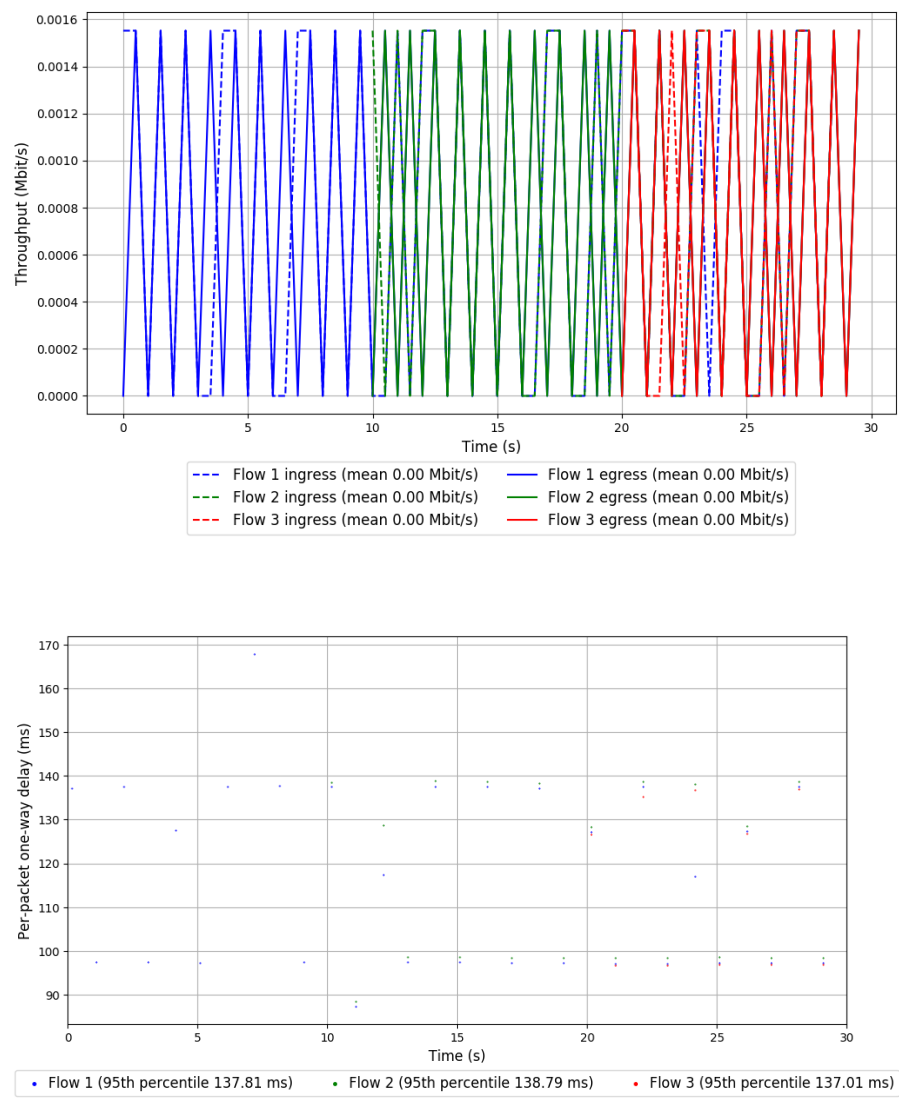
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 137.011 ms

Loss rate: 0.00%

Run 6: Report of Verus — Data Link

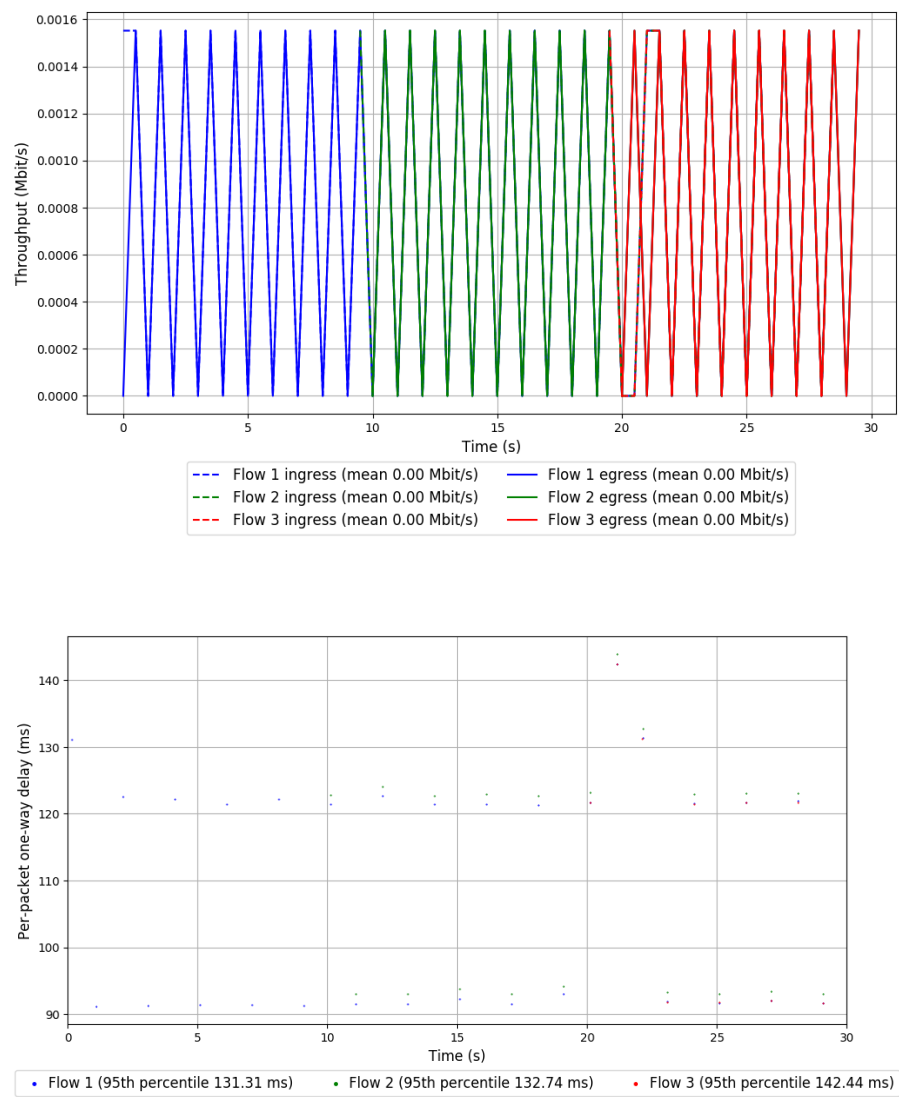


Run 7: Statistics of Verus

Start at: 2018-05-25 09:48:14
End at: 2018-05-25 09:48:44
Local clock offset: 6.575 ms
Remote clock offset: 32.103 ms

```
# Below is generated by plot.py at 2018-05-25 11:02:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 131.305 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 132.741 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 142.440 ms
Loss rate: 0.00%
```


Run 7: Report of Verus — Data Link

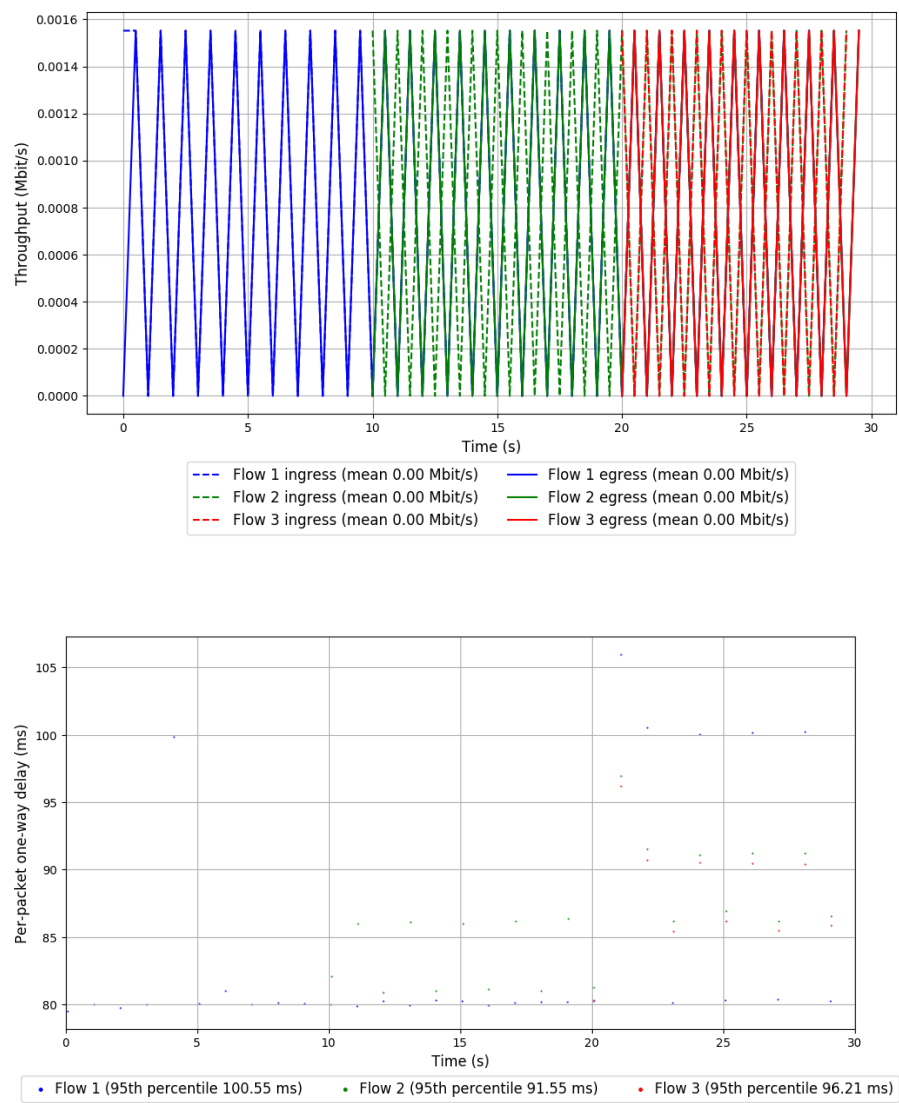


Run 8: Statistics of Verus

Start at: 2018-05-25 10:09:02
End at: 2018-05-25 10:09:32
Local clock offset: 6.585 ms
Remote clock offset: 45.123 ms

Below is generated by plot.py at 2018-05-25 11:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 100.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 100.554 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 91.546 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 96.210 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

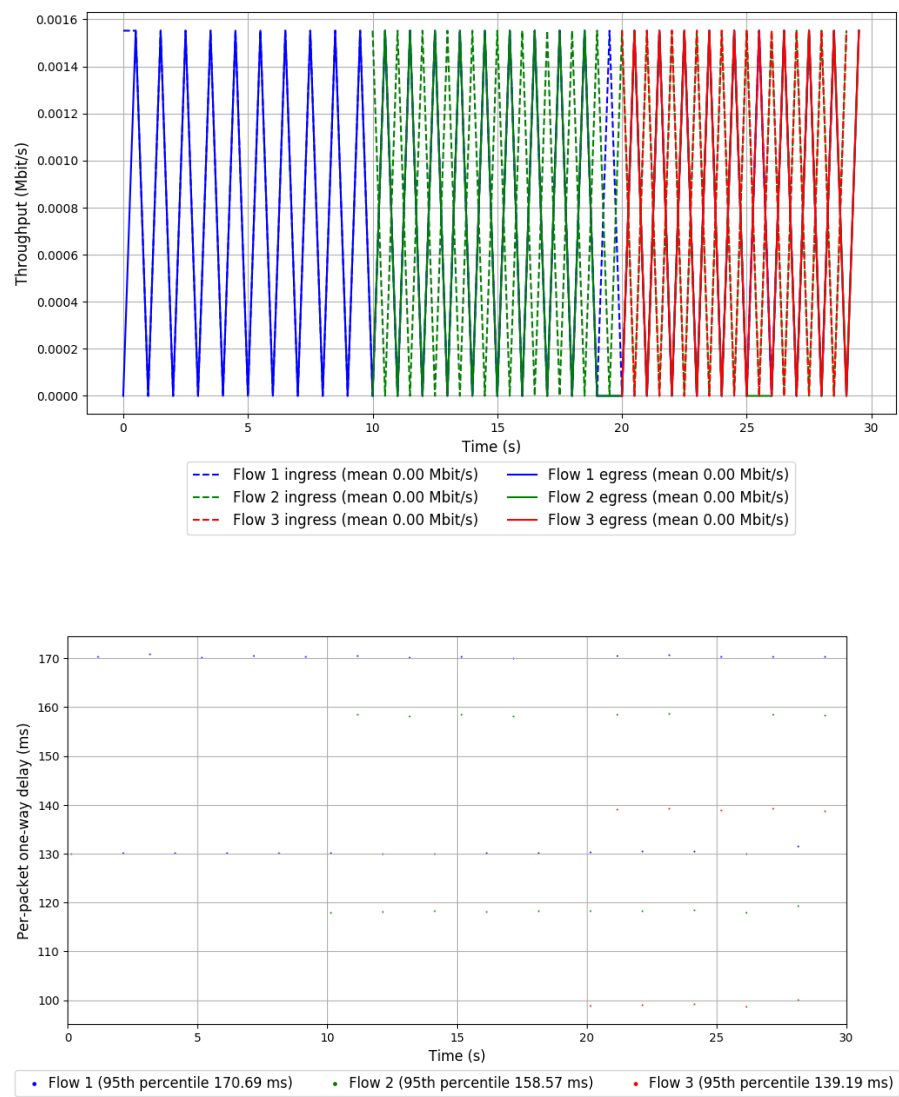


Run 9: Statistics of Verus

Start at: 2018-05-25 10:29:51
End at: 2018-05-25 10:30:21
Local clock offset: 6.96 ms
Remote clock offset: 62.006 ms

Below is generated by plot.py at 2018-05-25 11:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 170.535 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 170.692 ms
Loss rate: 3.33%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 158.566 ms
Loss rate: 10.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 139.185 ms
Loss rate: 0.00%

Run 9: Report of Verus — Data Link

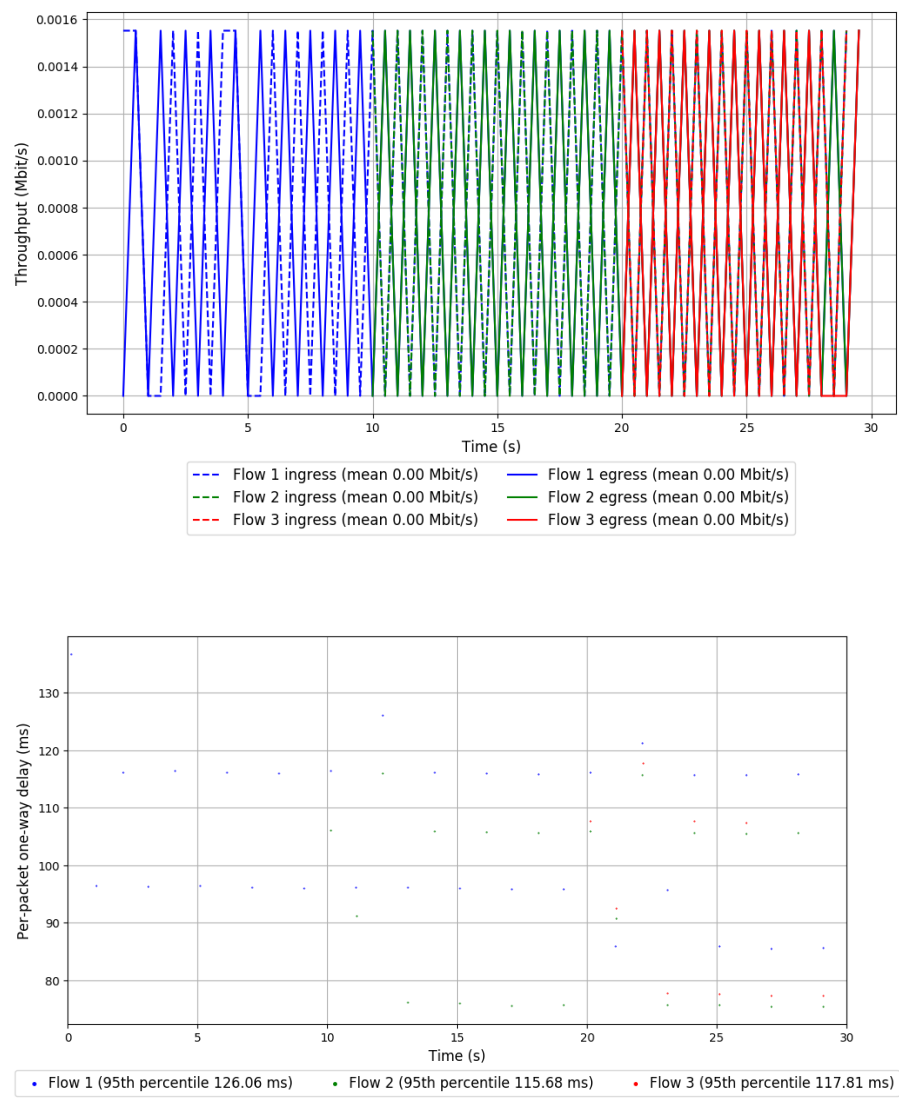


Run 10: Statistics of Verus

Start at: 2018-05-25 10:50:41
End at: 2018-05-25 10:51:11
Local clock offset: 7.235 ms
Remote clock offset: 42.716 ms

Below is generated by plot.py at 2018-05-25 11:02:17
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 117.808 ms
Loss rate: 1.67%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 126.057 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 115.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 117.808 ms
Loss rate: 10.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-05-25 07:38:12

End at: 2018-05-25 07:38:42

Local clock offset: 1.877 ms

Remote clock offset: 2.677 ms

Below is generated by plot.py at 2018-05-25 11:02:19

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 390.789 ms

Loss rate: 50.49%

-- Flow 1:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 386.782 ms

Loss rate: 42.39%

-- Flow 2:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 392.687 ms

Loss rate: 53.14%

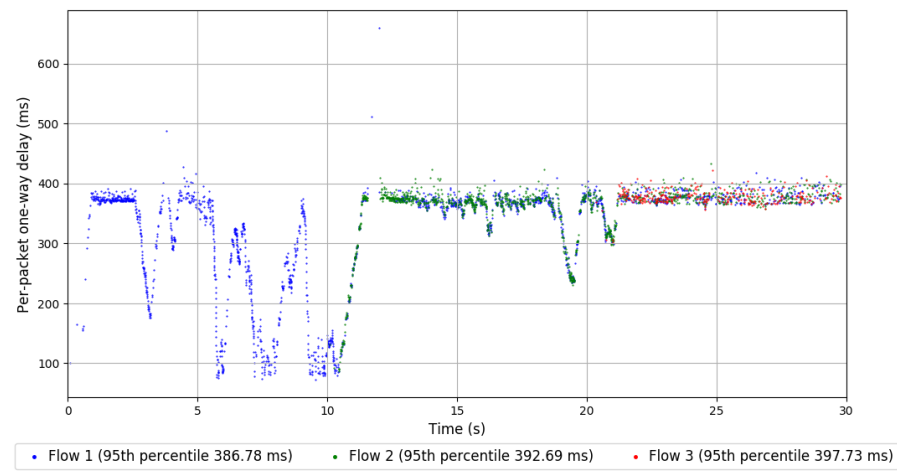
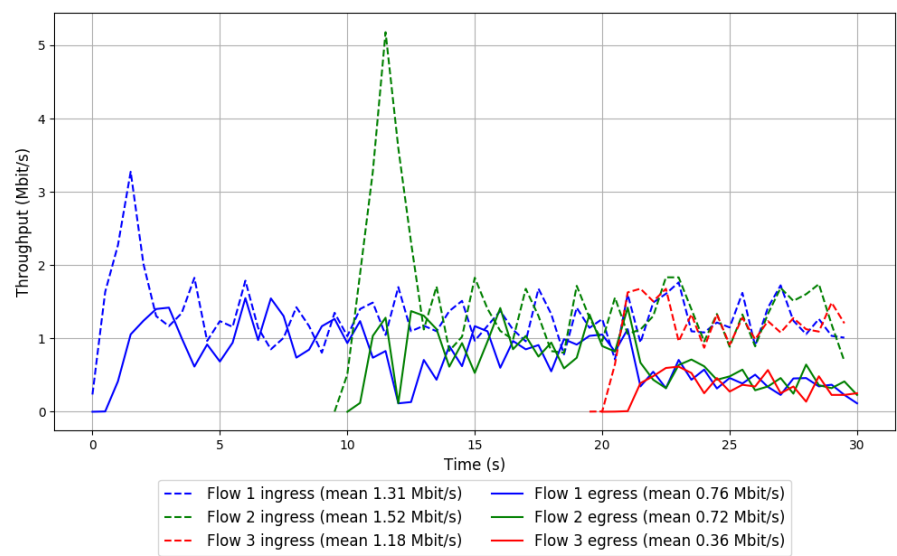
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 397.728 ms

Loss rate: 70.74%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-05-25 07:59:04

End at: 2018-05-25 07:59:34

Local clock offset: 1.32 ms

Remote clock offset: 0.98 ms

Below is generated by plot.py at 2018-05-25 11:02:22

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 384.149 ms

Loss rate: 41.66%

-- Flow 1:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 383.973 ms

Loss rate: 37.61%

-- Flow 2:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 384.986 ms

Loss rate: 44.37%

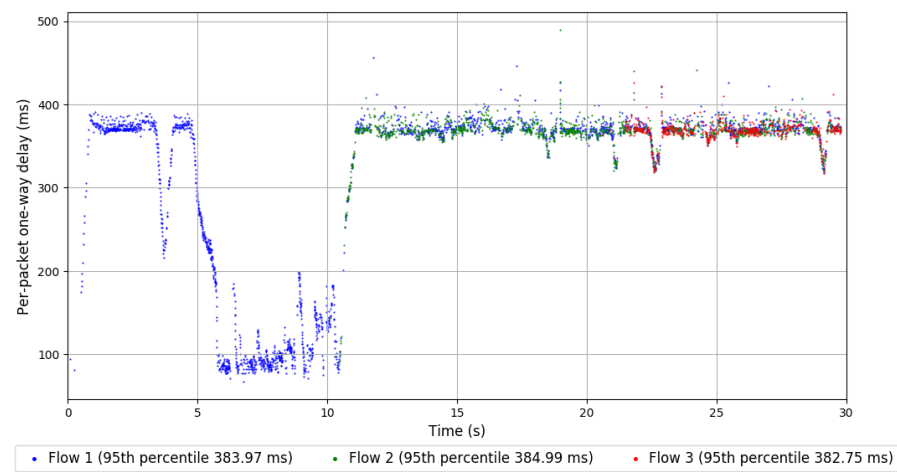
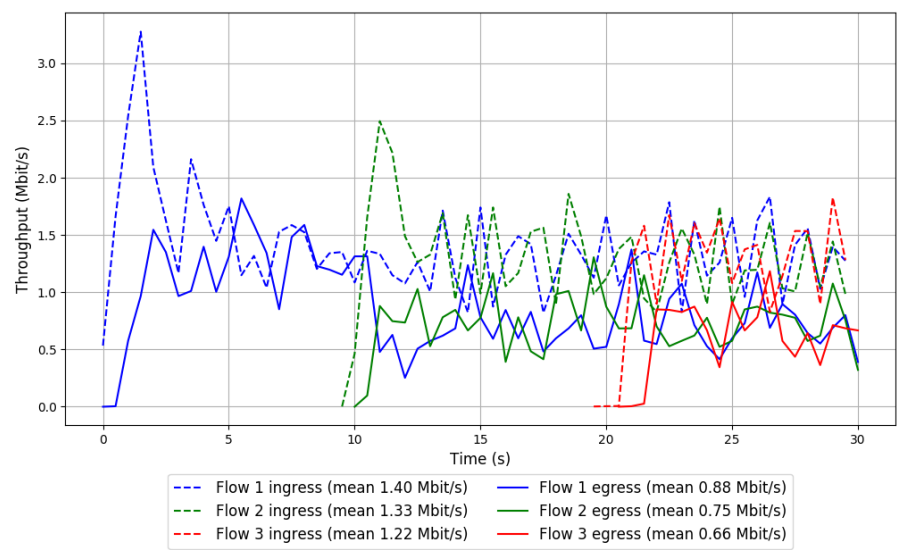
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 382.754 ms

Loss rate: 49.80%

Run 2: Report of PCC-Vivace — Data Link

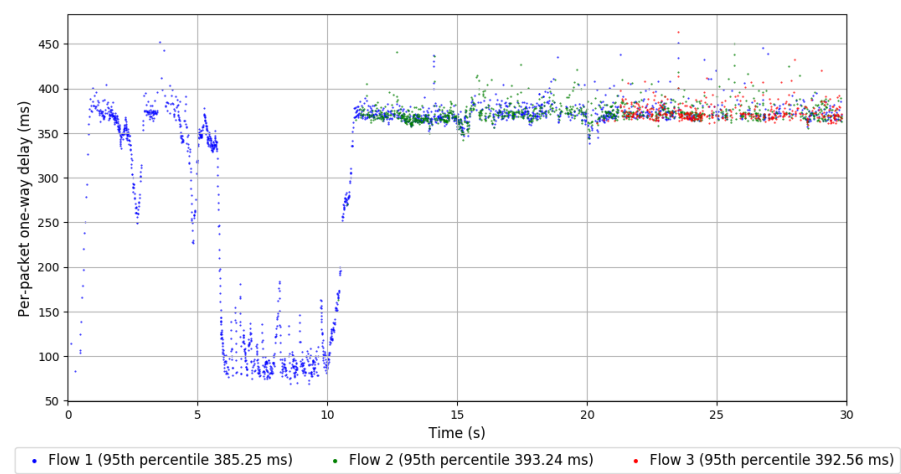
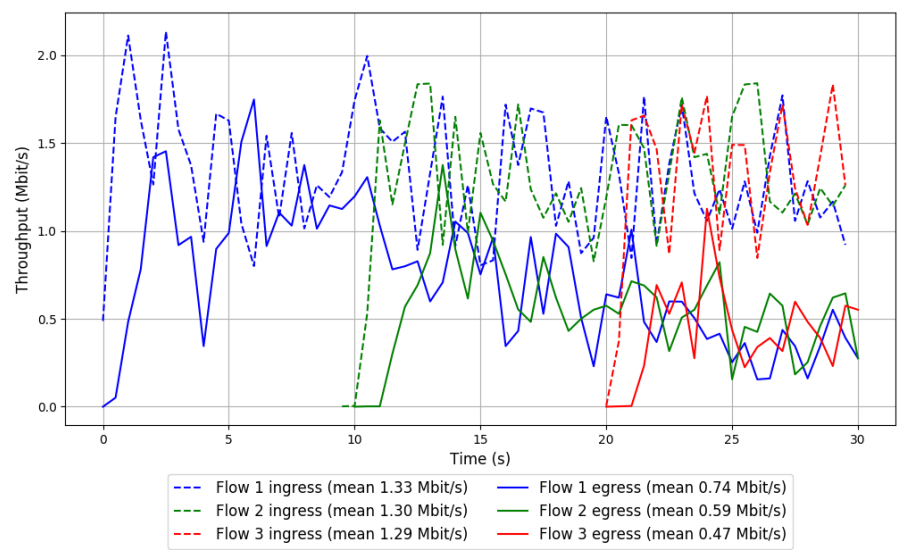


Run 3: Statistics of PCC-Vivace

Start at: 2018-05-25 08:20:42
End at: 2018-05-25 08:21:12
Local clock offset: 2.74 ms
Remote clock offset: -2.822 ms

Below is generated by plot.py at 2018-05-25 11:02:22
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 389.597 ms
Loss rate: 51.48%
-- Flow 1:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 385.248 ms
Loss rate: 44.15%
-- Flow 2:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 393.244 ms
Loss rate: 55.88%
-- Flow 3:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 392.562 ms
Loss rate: 65.32%

Run 3: Report of PCC-Vivace — Data Link

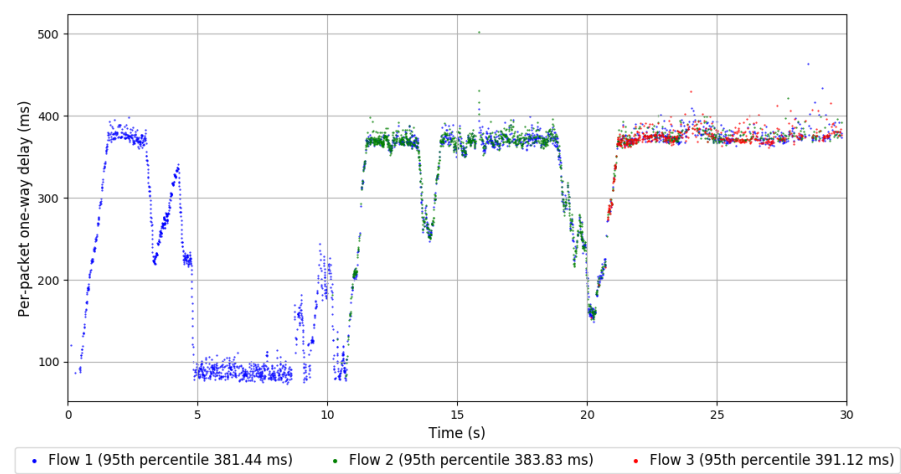
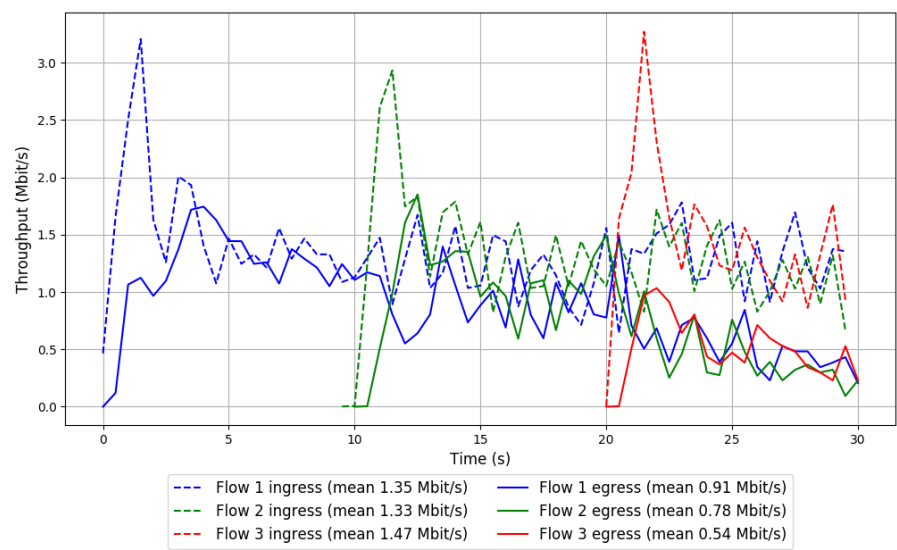


Run 4: Statistics of PCC-Vivace

Start at: 2018-05-25 08:44:26
End at: 2018-05-25 08:44:56
Local clock offset: 2.418 ms
Remote clock offset: 14.091 ms

Below is generated by plot.py at 2018-05-25 11:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 384.179 ms
Loss rate: 41.59%
-- Flow 1:
Average throughput: 0.91 Mbit/s
95th percentile per-packet one-way delay: 381.440 ms
Loss rate: 33.25%
-- Flow 2:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 383.830 ms
Loss rate: 42.15%
-- Flow 3:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 391.121 ms
Loss rate: 63.76%

Run 4: Report of PCC-Vivace — Data Link

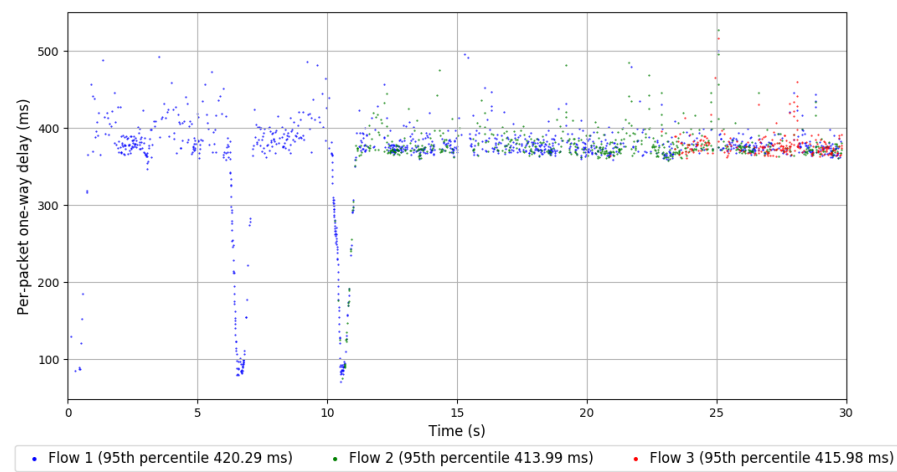
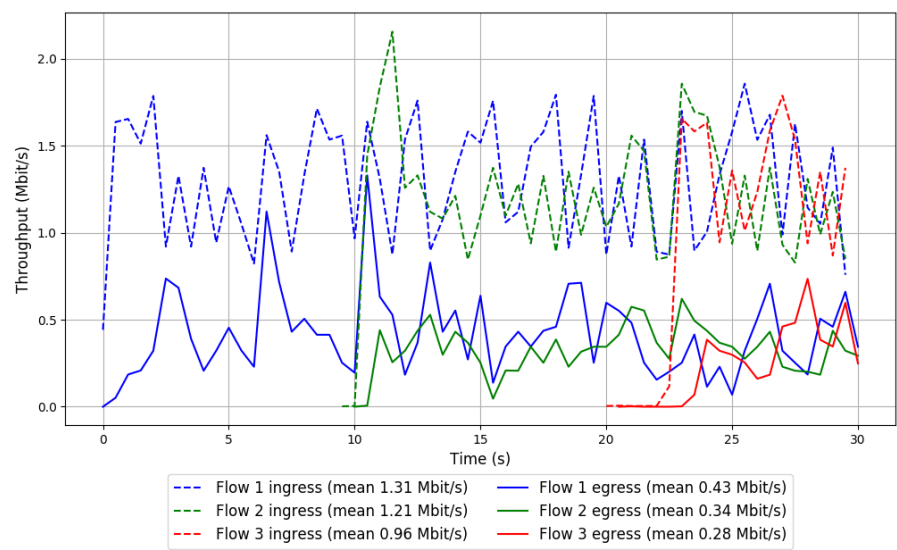


Run 5: Statistics of PCC-Vivace

Start at: 2018-05-25 09:05:16
End at: 2018-05-25 09:05:46
Local clock offset: 2.169 ms
Remote clock offset: 11.712 ms

Below is generated by plot.py at 2018-05-25 11:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.74 Mbit/s
95th percentile per-packet one-way delay: 418.054 ms
Loss rate: 69.92%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 420.294 ms
Loss rate: 67.52%
-- Flow 2:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 413.994 ms
Loss rate: 72.17%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 415.984 ms
Loss rate: 74.04%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-05-25 09:26:05

End at: 2018-05-25 09:26:35

Local clock offset: 2.219 ms

Remote clock offset: 6.066 ms

Below is generated by plot.py at 2018-05-25 11:02:24

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 385.726 ms

Loss rate: 45.39%

-- Flow 1:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 384.721 ms

Loss rate: 38.66%

-- Flow 2:

Average throughput: 0.74 Mbit/s

95th percentile per-packet one-way delay: 386.216 ms

Loss rate: 48.63%

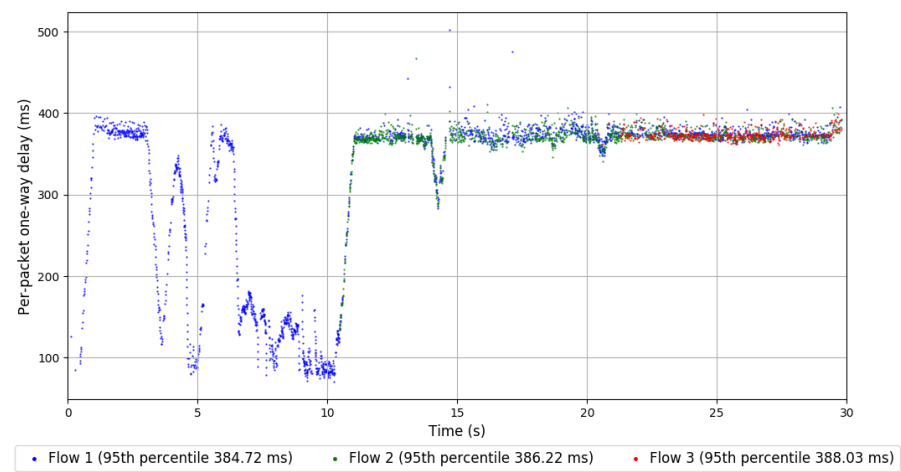
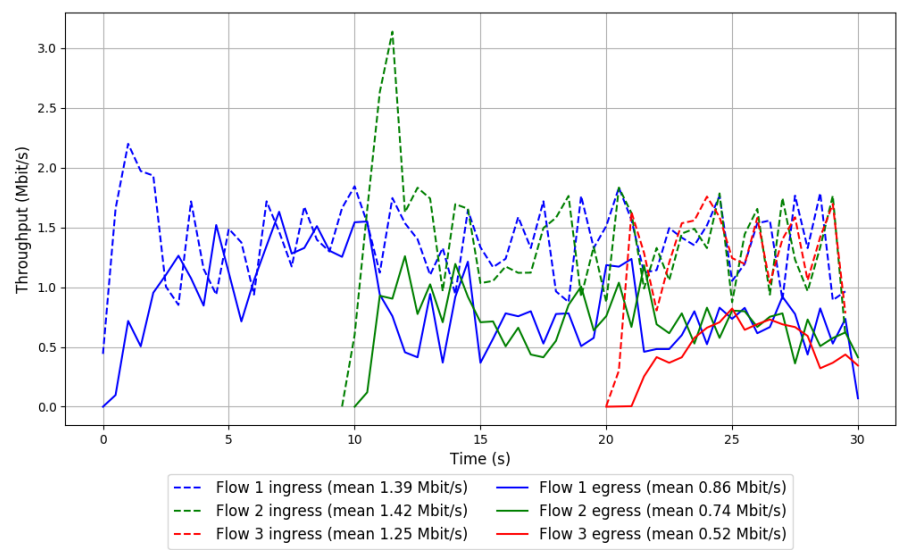
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 388.031 ms

Loss rate: 60.67%

Run 6: Report of PCC-Vivace — Data Link

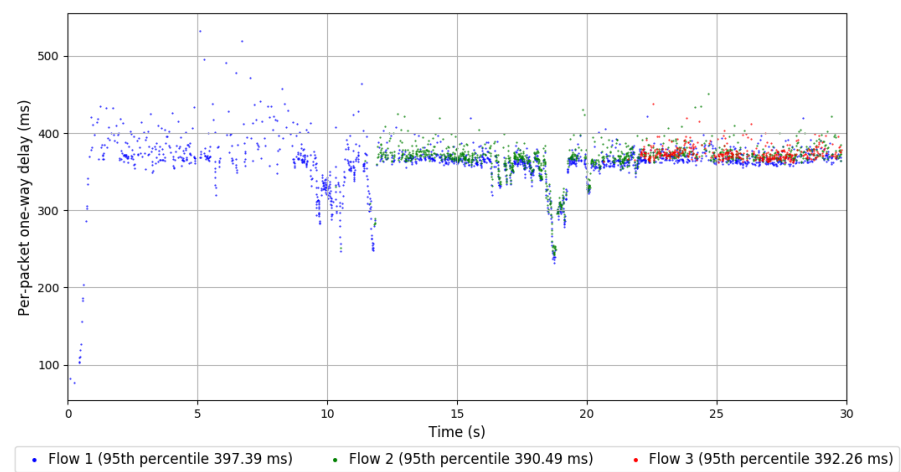
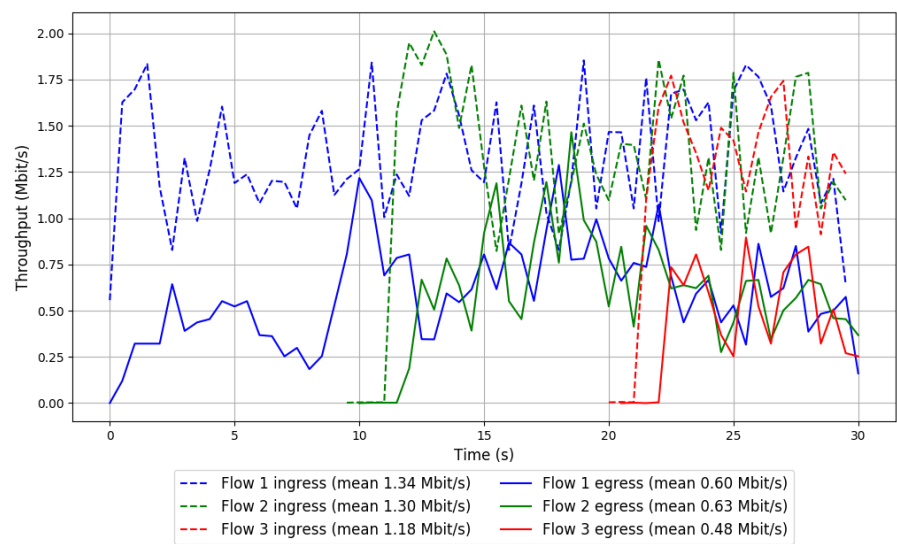


Run 7: Statistics of PCC-Vivace

Start at: 2018-05-25 09:46:55
End at: 2018-05-25 09:47:25
Local clock offset: 6.704 ms
Remote clock offset: 31.014 ms

Below is generated by plot.py at 2018-05-25 11:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 394.171 ms
Loss rate: 55.17%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 397.391 ms
Loss rate: 55.08%
-- Flow 2:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 390.494 ms
Loss rate: 52.31%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 392.256 ms
Loss rate: 61.88%

Run 7: Report of PCC-Vivace — Data Link

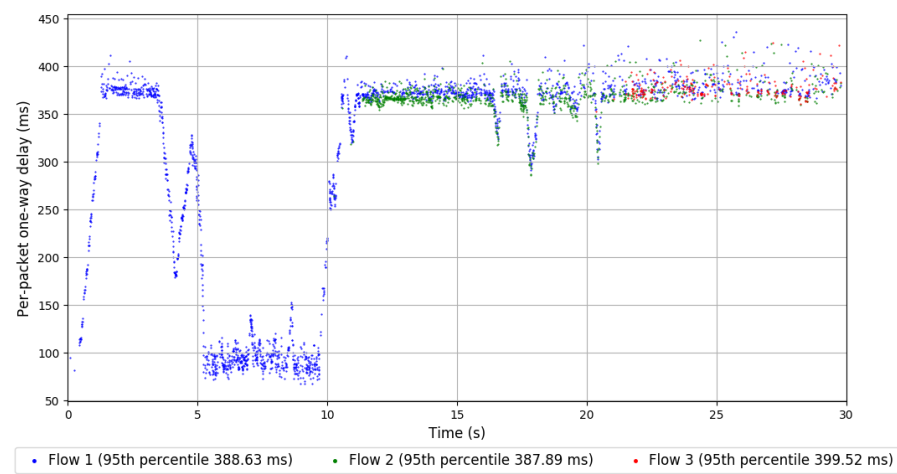
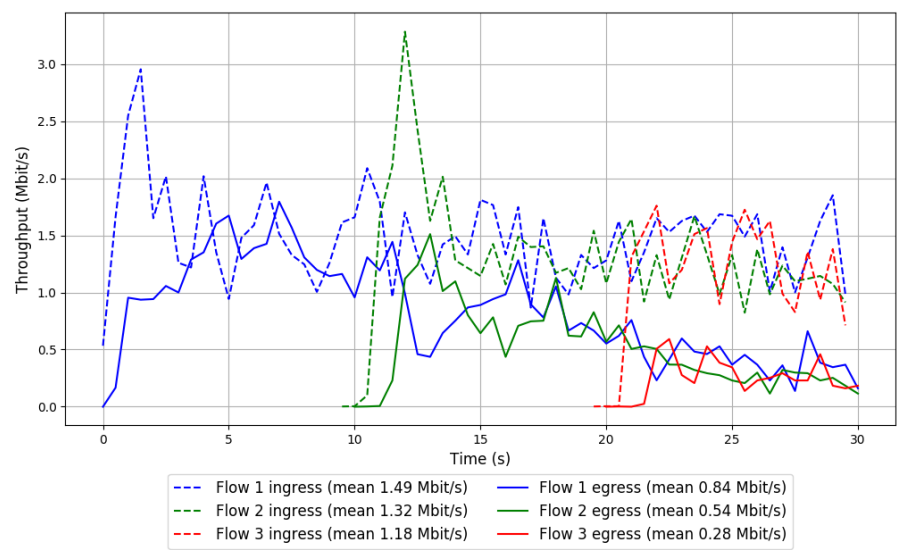


Run 8: Statistics of PCC-Vivace

Start at: 2018-05-25 10:07:44
End at: 2018-05-25 10:08:14
Local clock offset: 6.582 ms
Remote clock offset: 43.074 ms

Below is generated by plot.py at 2018-05-25 11:02:24
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 389.507 ms
Loss rate: 53.44%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 388.629 ms
Loss rate: 43.62%
-- Flow 2:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 387.892 ms
Loss rate: 59.35%
-- Flow 3:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 399.523 ms
Loss rate: 77.59%

Run 8: Report of PCC-Vivace — Data Link

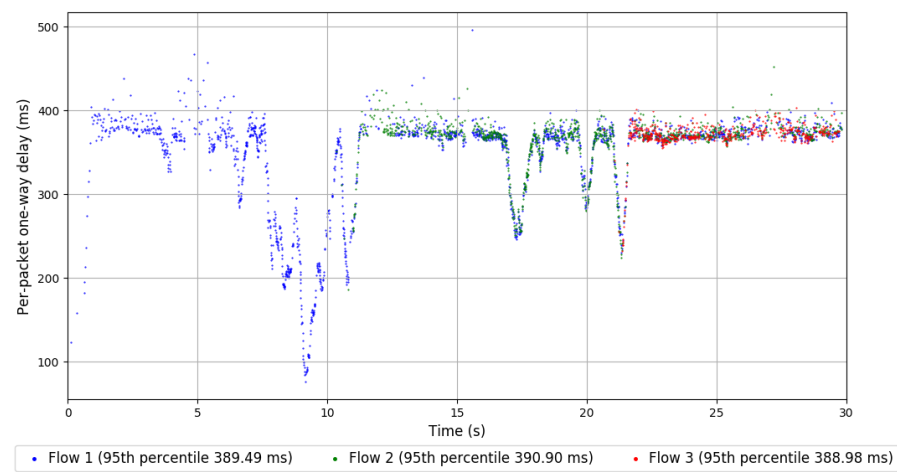
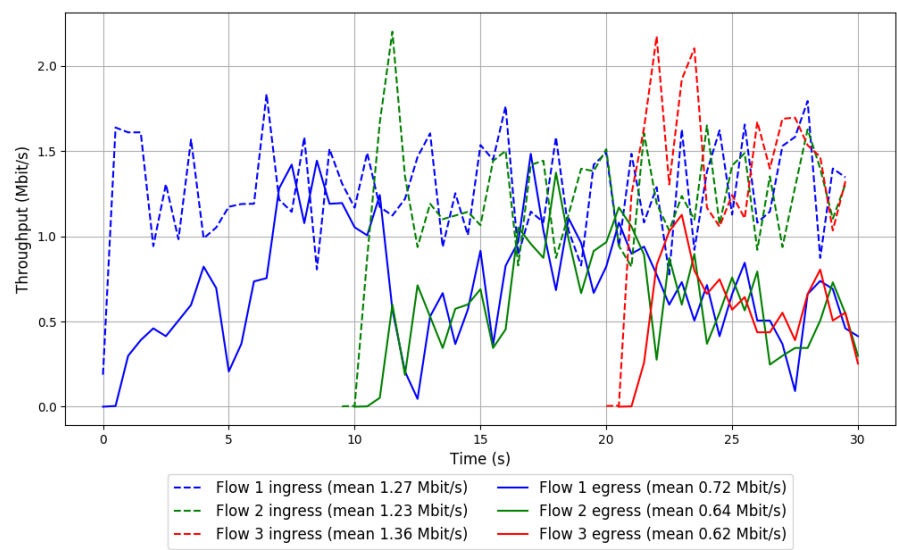


Run 9: Statistics of PCC-Vivace

Start at: 2018-05-25 10:28:33
End at: 2018-05-25 10:29:03
Local clock offset: 6.855 ms
Remote clock offset: 61.137 ms

Below is generated by plot.py at 2018-05-25 11:02:26
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 389.711 ms
Loss rate: 48.16%
-- Flow 1:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 389.487 ms
Loss rate: 44.13%
-- Flow 2:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 390.904 ms
Loss rate: 49.08%
-- Flow 3:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 388.981 ms
Loss rate: 57.96%

Run 9: Report of PCC-Vivace — Data Link

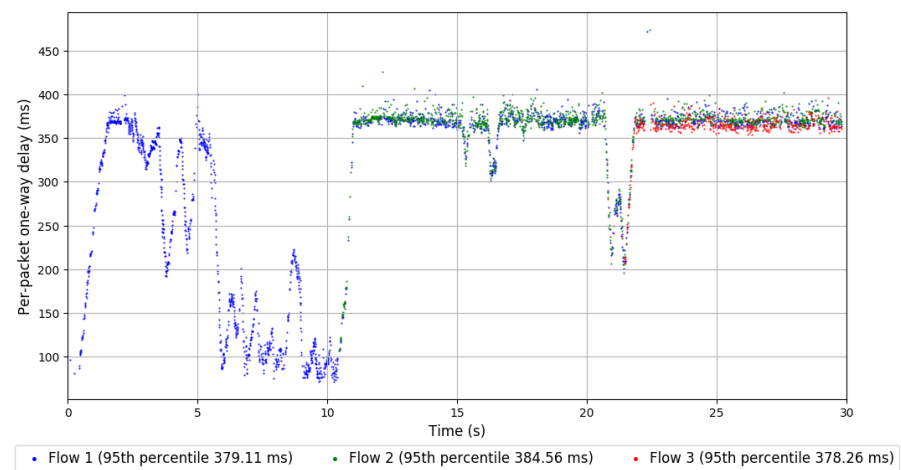
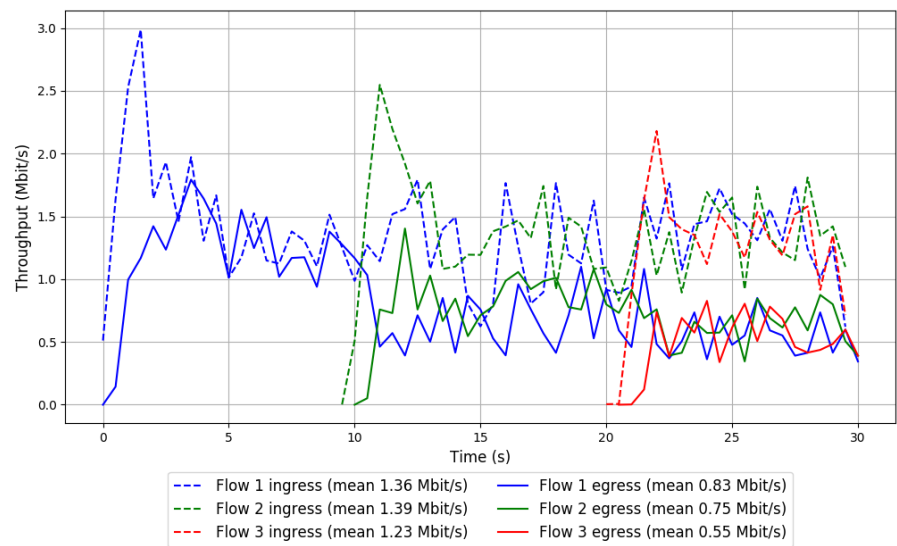


Run 10: Statistics of PCC-Vivace

Start at: 2018-05-25 10:49:23
End at: 2018-05-25 10:49:53
Local clock offset: 7.032 ms
Remote clock offset: 44.676 ms

Below is generated by plot.py at 2018-05-25 11:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 381.444 ms
Loss rate: 44.74%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 379.108 ms
Loss rate: 39.17%
-- Flow 2:
Average throughput: 0.75 Mbit/s
95th percentile per-packet one-way delay: 384.555 ms
Loss rate: 46.53%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 378.256 ms
Loss rate: 59.38%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-05-25 07:30:16

End at: 2018-05-25 07:30:46

Local clock offset: 3.547 ms

Remote clock offset: 3.556 ms

Below is generated by plot.py at 2018-05-25 11:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 372.121 ms

Loss rate: 11.64%

-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 367.723 ms

Loss rate: 9.27%

-- Flow 2:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 370.791 ms

Loss rate: 9.07%

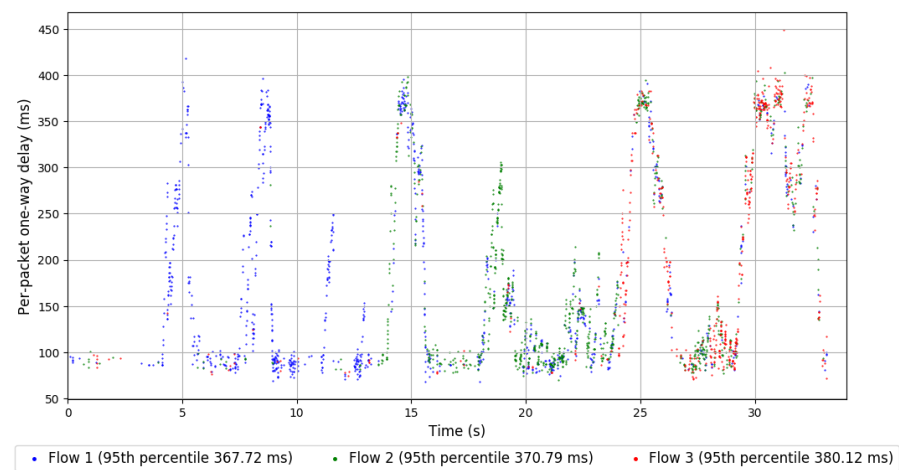
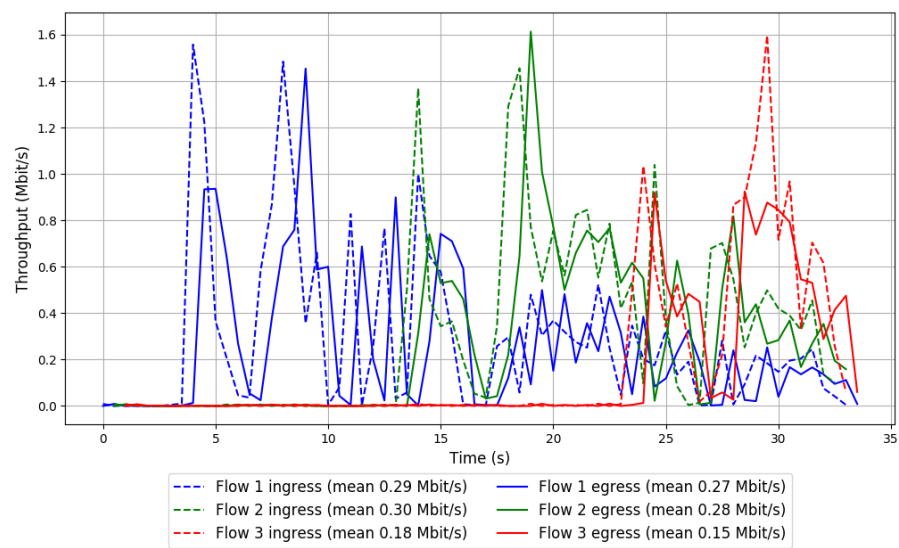
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 380.125 ms

Loss rate: 19.76%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-05-25 07:51:14

End at: 2018-05-25 07:51:44

Local clock offset: 0.849 ms

Remote clock offset: 4.705 ms

Below is generated by plot.py at 2018-05-25 11:02:30

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 374.815 ms

Loss rate: 16.18%

-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 375.617 ms

Loss rate: 14.42%

-- Flow 2:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 373.880 ms

Loss rate: 16.27%

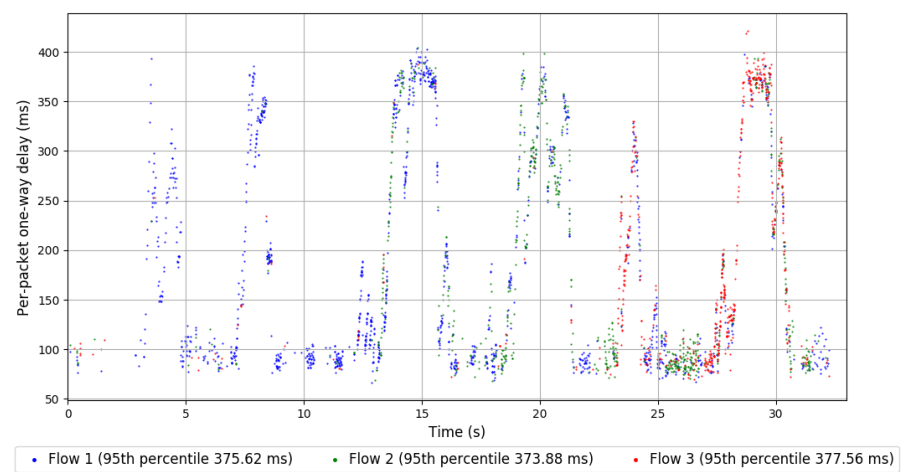
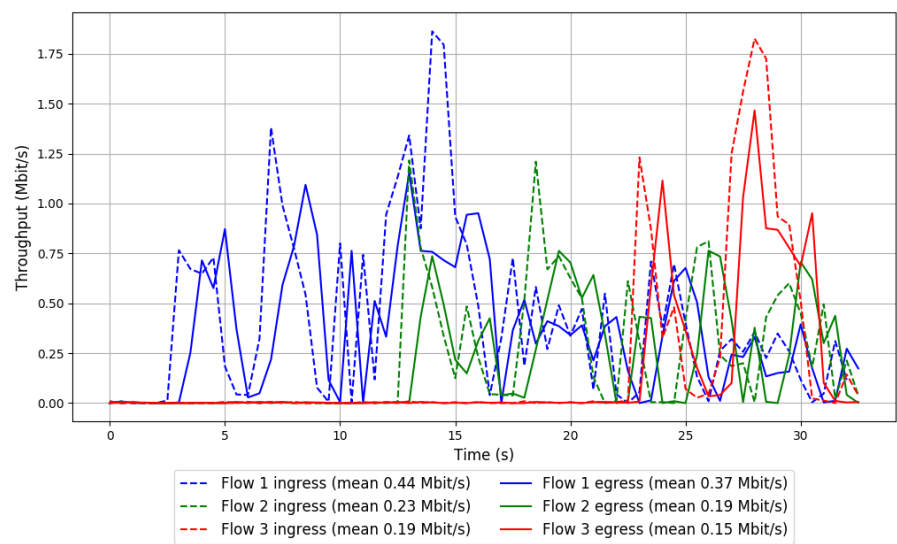
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 377.565 ms

Loss rate: 20.11%

Run 2: Report of WebRTC media — Data Link

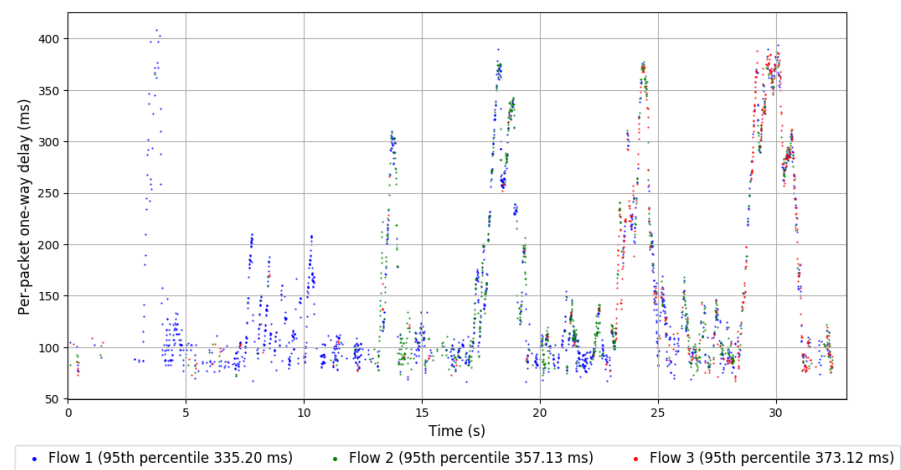
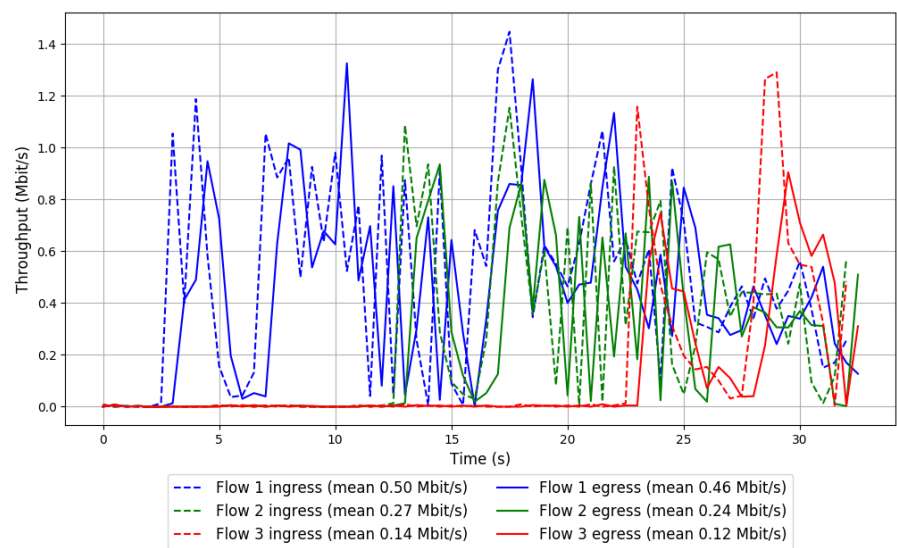


Run 3: Statistics of WebRTC media

Start at: 2018-05-25 08:12:04
End at: 2018-05-25 08:12:34
Local clock offset: 2.409 ms
Remote clock offset: -2.558 ms

Below is generated by plot.py at 2018-05-25 11:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 358.917 ms
Loss rate: 10.44%
-- Flow 1:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 335.197 ms
Loss rate: 8.70%
-- Flow 2:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 357.131 ms
Loss rate: 10.29%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 373.115 ms
Loss rate: 17.01%

Run 3: Report of WebRTC media — Data Link

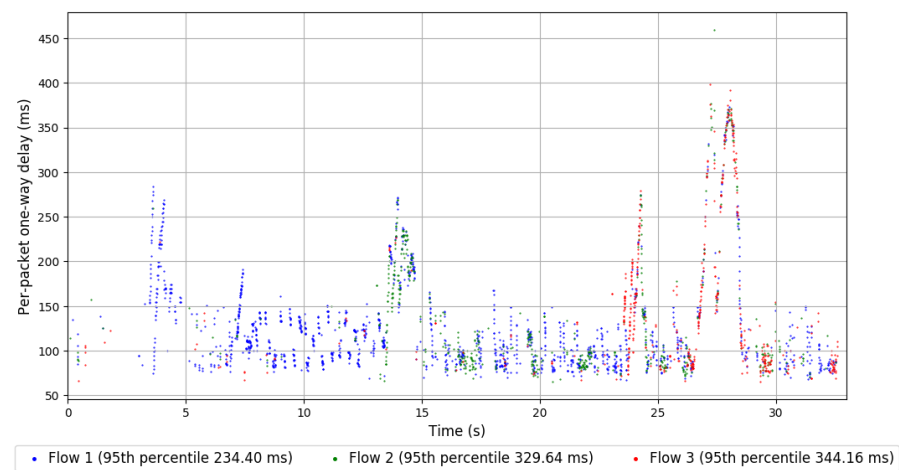
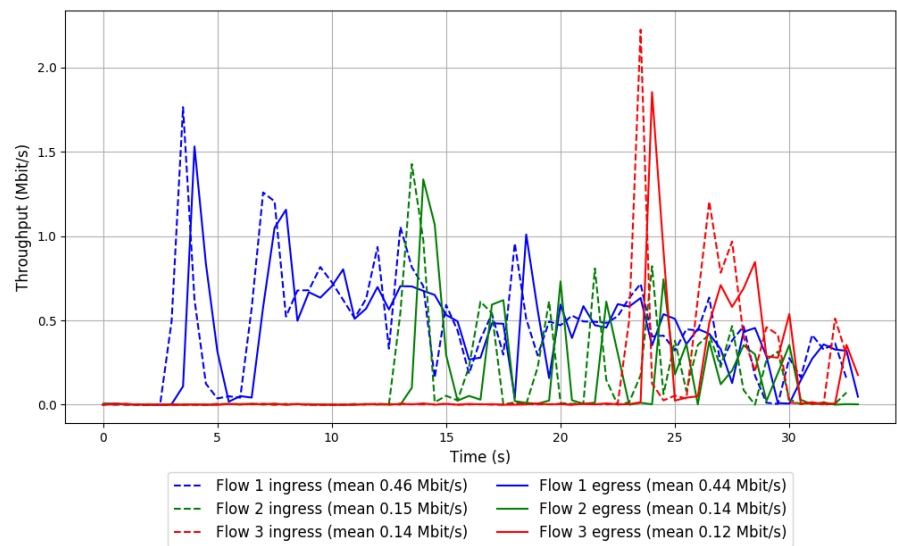


Run 4: Statistics of WebRTC media

Start at: 2018-05-25 08:36:36
End at: 2018-05-25 08:37:06
Local clock offset: 2.393 ms
Remote clock offset: 11.716 ms

Below is generated by plot.py at 2018-05-25 11:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 280.658 ms
Loss rate: 7.12%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 234.399 ms
Loss rate: 5.31%
-- Flow 2:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 329.643 ms
Loss rate: 8.98%
-- Flow 3:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 344.158 ms
Loss rate: 11.08%

Run 4: Report of WebRTC media — Data Link

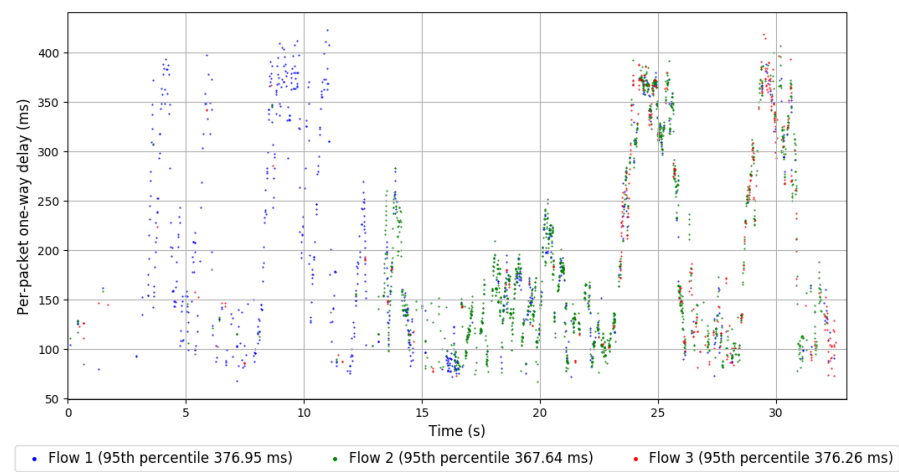
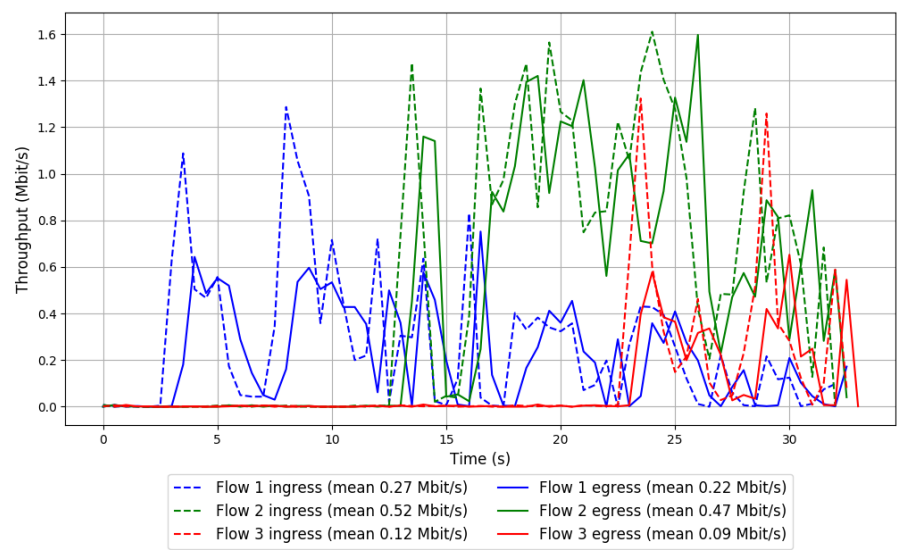


Run 5: Statistics of WebRTC media

Start at: 2018-05-25 08:57:27
End at: 2018-05-25 08:57:57
Local clock offset: 2.211 ms
Remote clock offset: 17.942 ms

Below is generated by plot.py at 2018-05-25 11:02:30
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.77 Mbit/s
95th percentile per-packet one-way delay: 371.685 ms
Loss rate: 14.05%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 376.952 ms
Loss rate: 18.08%
-- Flow 2:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 367.639 ms
Loss rate: 8.80%
-- Flow 3:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 376.263 ms
Loss rate: 27.82%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-05-25 09:18:16

End at: 2018-05-25 09:18:46

Local clock offset: 1.978 ms

Remote clock offset: 6.979 ms

Below is generated by plot.py at 2018-05-25 11:02:31

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 360.477 ms

Loss rate: 9.58%

-- Flow 1:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 358.245 ms

Loss rate: 6.98%

-- Flow 2:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 365.135 ms

Loss rate: 11.66%

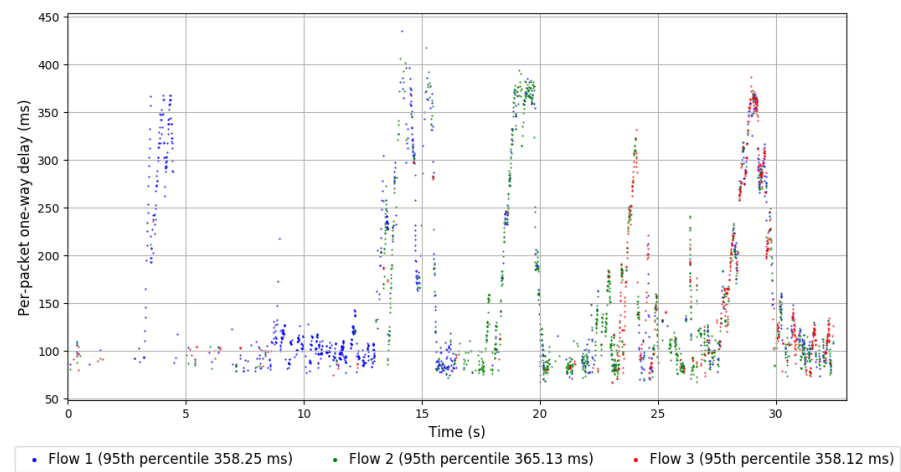
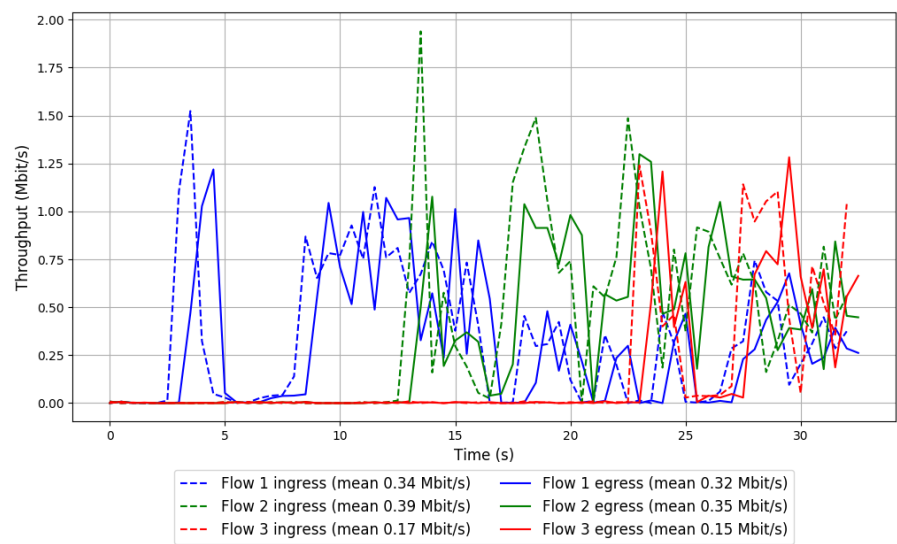
-- Flow 3:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 358.116 ms

Loss rate: 10.03%

Run 6: Report of WebRTC media — Data Link

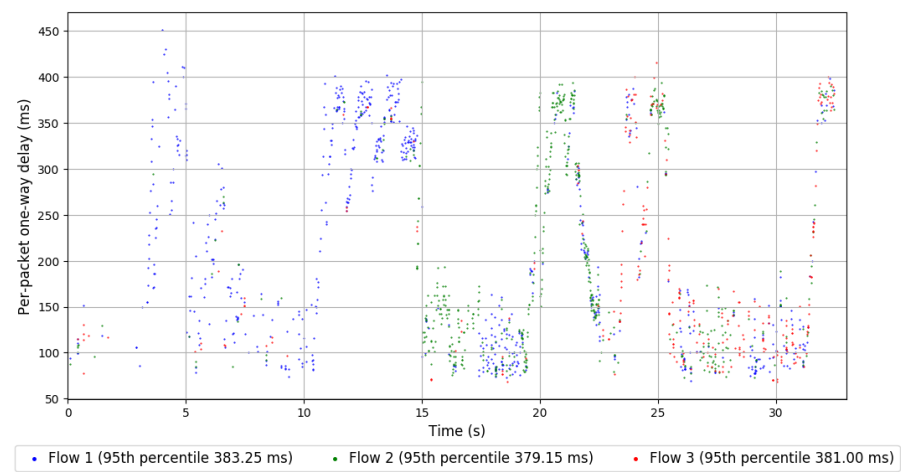
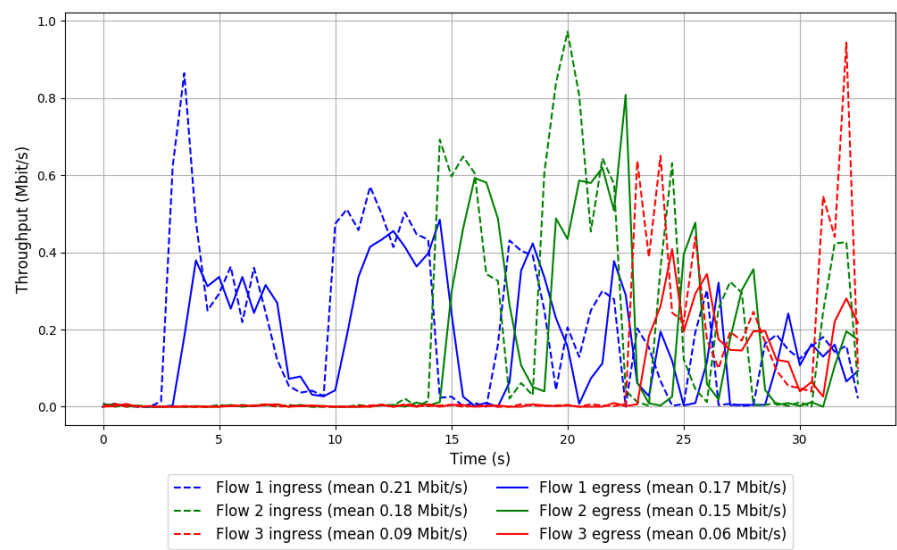


Run 7: Statistics of WebRTC media

Start at: 2018-05-25 09:39:07
End at: 2018-05-25 09:39:37
Local clock offset: 5.594 ms
Remote clock offset: 21.827 ms

Below is generated by plot.py at 2018-05-25 11:02:31
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.37 Mbit/s
95th percentile per-packet one-way delay: 380.809 ms
Loss rate: 22.20%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 383.253 ms
Loss rate: 18.07%
-- Flow 2:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 379.155 ms
Loss rate: 18.86%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 380.995 ms
Loss rate: 37.93%

Run 7: Report of WebRTC media — Data Link

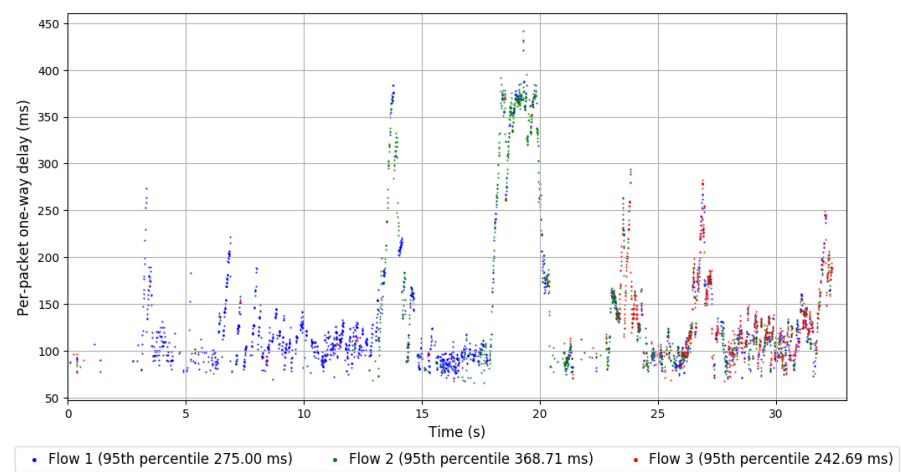
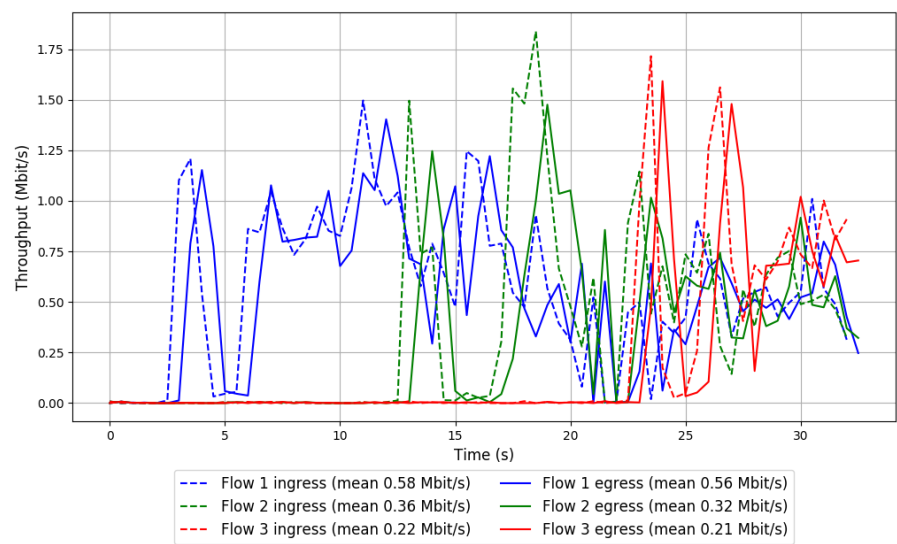


Run 8: Statistics of WebRTC media

Start at: 2018-05-25 09:59:56
End at: 2018-05-25 10:00:26
Local clock offset: 7.025 ms
Remote clock offset: 38.597 ms

Below is generated by plot.py at 2018-05-25 11:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 355.693 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 274.996 ms
Loss rate: 4.91%
-- Flow 2:
Average throughput: 0.32 Mbit/s
95th percentile per-packet one-way delay: 368.709 ms
Loss rate: 9.72%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 242.693 ms
Loss rate: 6.56%

Run 8: Report of WebRTC media — Data Link

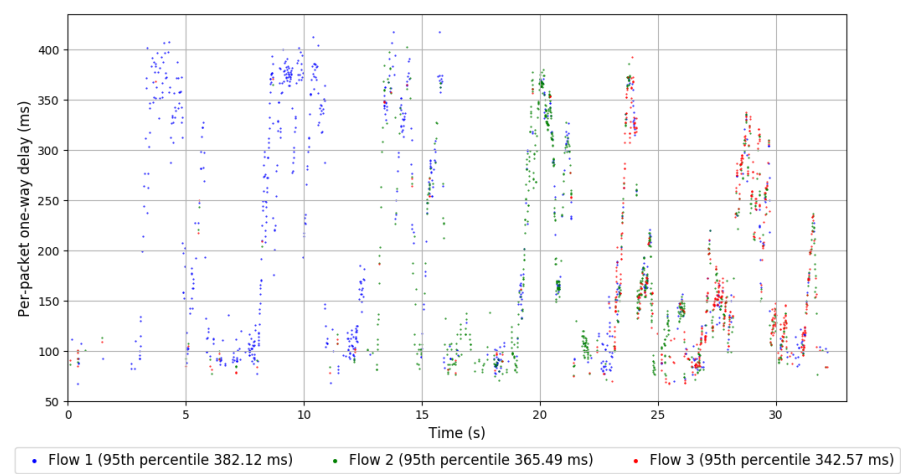
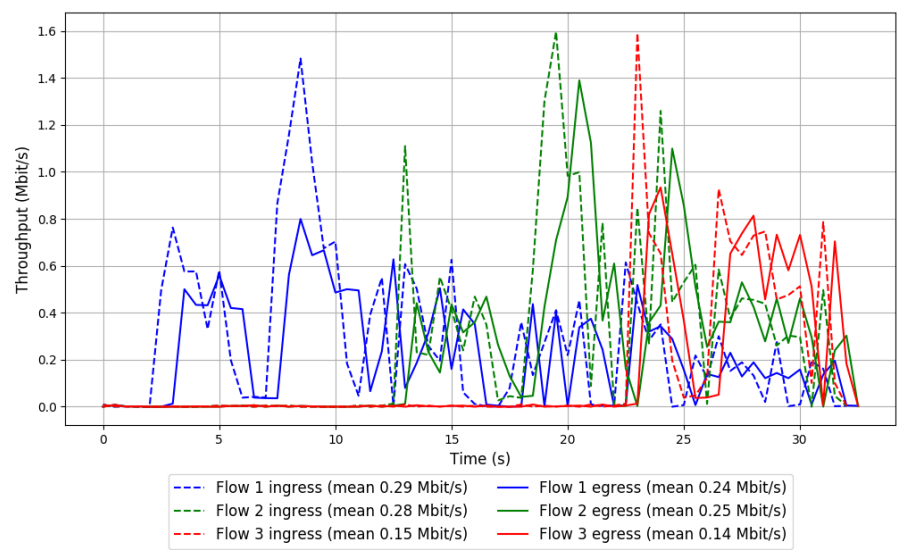


Run 9: Statistics of WebRTC media

Start at: 2018-05-25 10:20:44
End at: 2018-05-25 10:21:14
Local clock offset: 6.804 ms
Remote clock offset: 56.178 ms

Below is generated by plot.py at 2018-05-25 11:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.63 Mbit/s
95th percentile per-packet one-way delay: 371.211 ms
Loss rate: 12.02%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 382.123 ms
Loss rate: 17.79%
-- Flow 2:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 365.494 ms
Loss rate: 9.38%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 342.570 ms
Loss rate: 5.89%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-05-25 10:41:34
End at: 2018-05-25 10:42:04
Local clock offset: 6.958 ms
Remote clock offset: 63.119 ms

Below is generated by plot.py at 2018-05-25 11:02:33
Datalink statistics
-- Total of 3 flows:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 348.264 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 359.885 ms
Loss rate: 10.19%
-- Flow 2:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 297.260 ms
Loss rate: 10.54%
-- Flow 3:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 328.845 ms
Loss rate: 13.92%

Run 10: Report of WebRTC media — Data Link

