

Pantheon Report

Generated at 2018-06-18 12:38:06 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

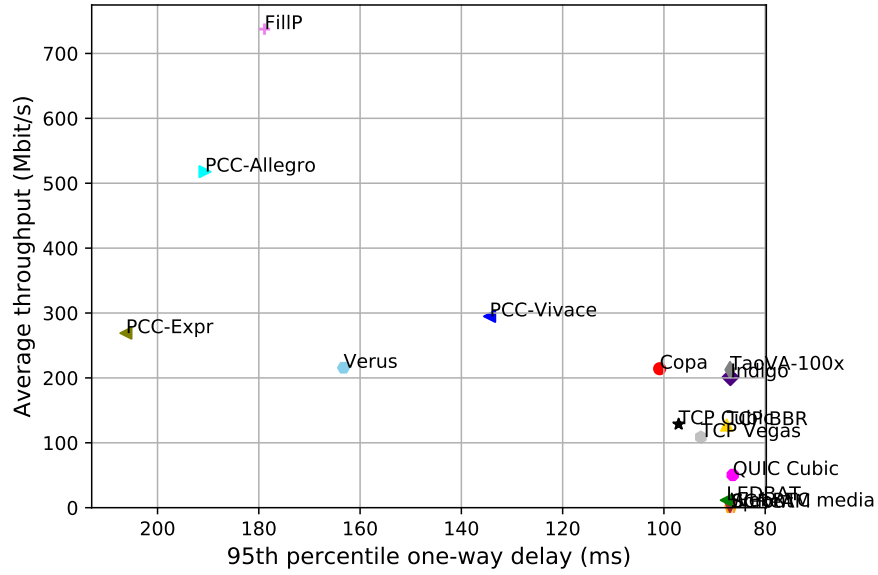
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

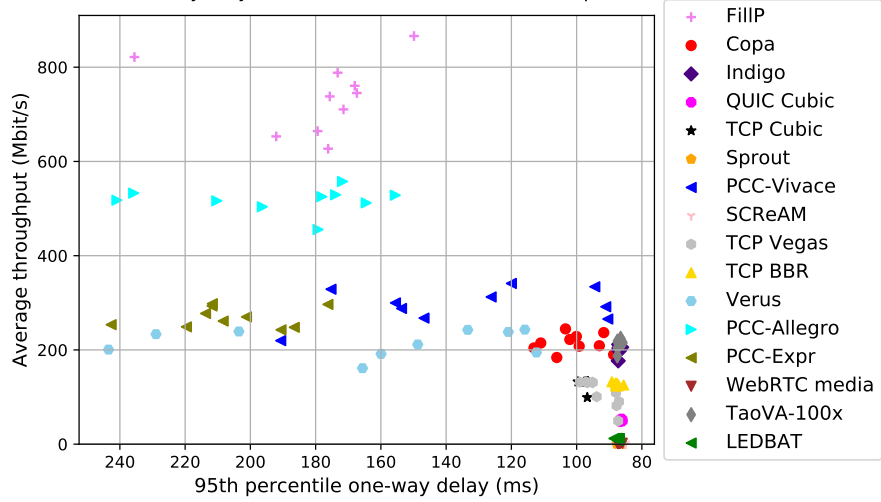
Git summary:

```
branch: master @ 9141c5f9450c85ea5ea2ea755a8e946998d3abf3
third_party/llnwd @ 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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webRTC @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

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



test from GCE Sydney to GCE Iowa, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	127.25	87.60	0.00
Copa	10	214.17	100.84	0.01
TCP Cubic	10	128.69	97.09	0.00
FillP	10	737.48	178.87	5.24
Indigo	10	200.99	86.87	0.02
LEDBAT	10	11.57	87.69	0.00
PCC-Allegro	10	517.84	190.63	2.47
PCC-Expr	10	268.97	206.25	1.33
QUIC Cubic	8	50.45	86.40	0.00
SCReAM	10	0.22	86.61	0.00
Sprout	10	0.27	86.81	0.00
TaoVA-100x	10	212.52	86.94	0.00
TCP Vegas	10	108.79	92.70	0.01
Verus	10	215.63	163.27	1.27
PCC-Vivace	10	294.85	134.42	0.16
WebRTC media	10	1.85	86.94	0.00

Run 1: Statistics of TCP BBR

Start at: 2018-06-18 07:52:08

End at: 2018-06-18 07:52:38

Local clock offset: 22.079 ms

Remote clock offset: -0.304 ms

Below is generated by plot.py at 2018-06-18 11:19:04

Datalink statistics

-- Total of 1 flow:

Average throughput: 123.74 Mbit/s

95th percentile per-packet one-way delay: 88.060 ms

Loss rate: 0.00%

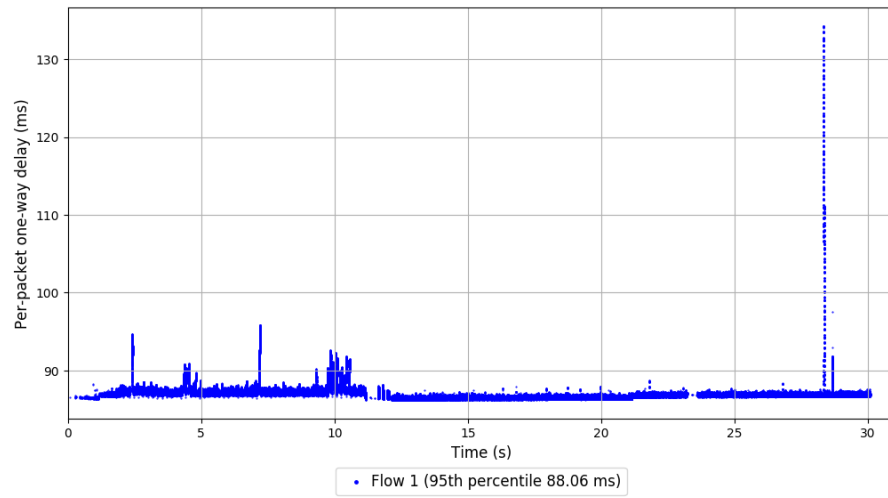
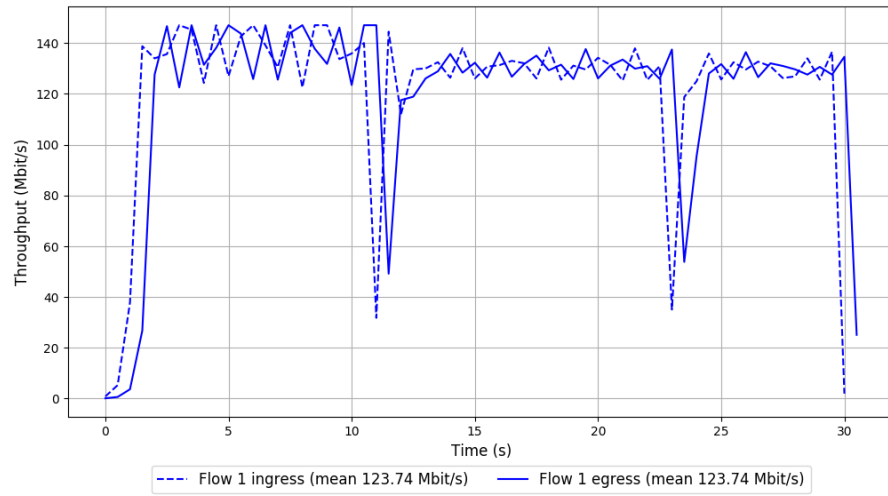
-- Flow 1:

Average throughput: 123.74 Mbit/s

95th percentile per-packet one-way delay: 88.060 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-18 08:12:59

End at: 2018-06-18 08:13:29

Local clock offset: 38.727 ms

Remote clock offset: -0.56 ms

Below is generated by plot.py at 2018-06-18 11:19:05

Datalink statistics

-- Total of 1 flow:

Average throughput: 125.52 Mbit/s

95th percentile per-packet one-way delay: 85.604 ms

Loss rate: 0.00%

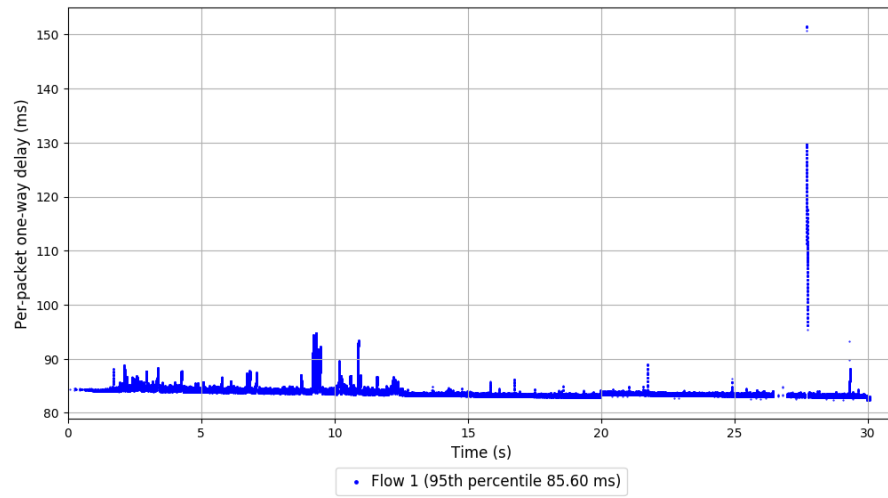
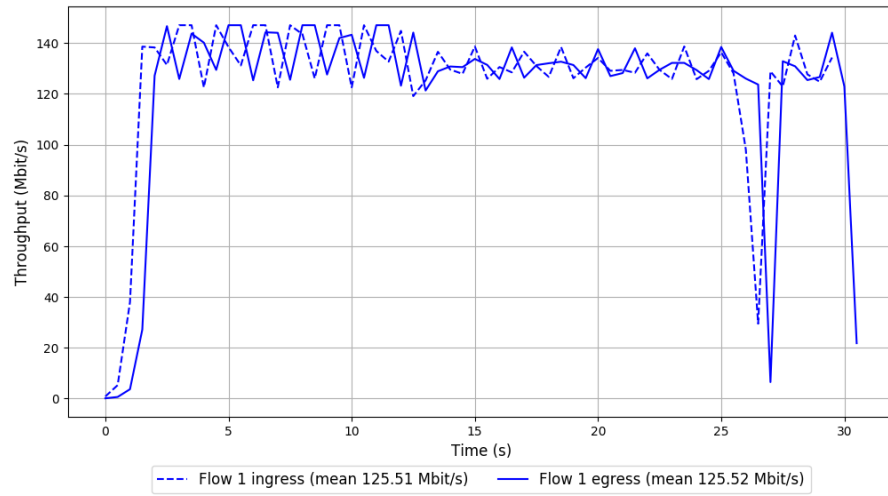
-- Flow 1:

Average throughput: 125.52 Mbit/s

95th percentile per-packet one-way delay: 85.604 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link

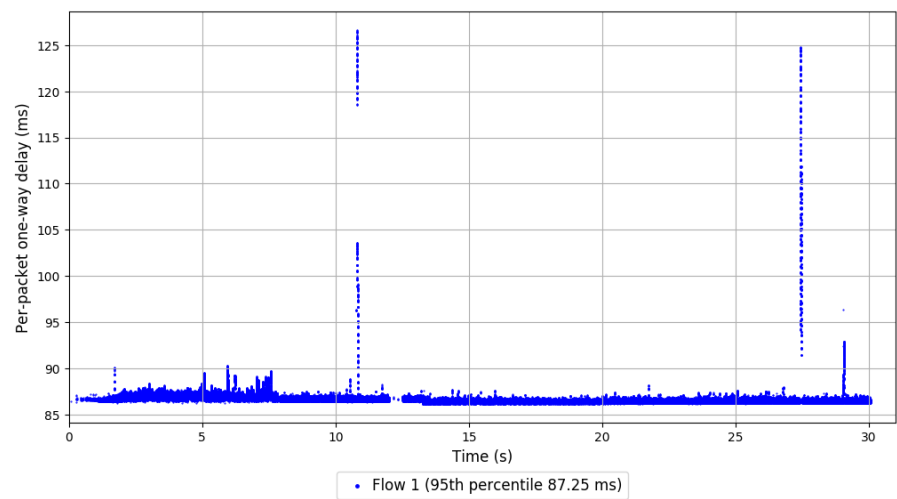
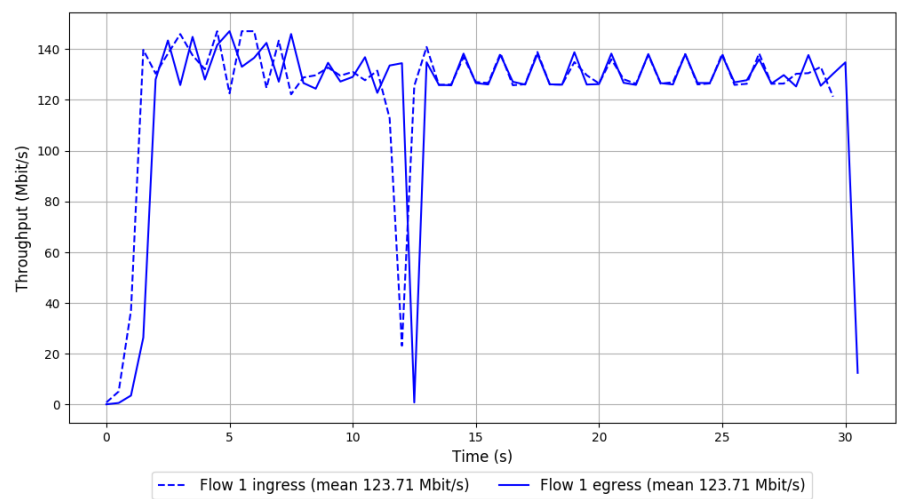


Run 3: Statistics of TCP BBR

Start at: 2018-06-18 08:33:46
End at: 2018-06-18 08:34:16
Local clock offset: 16.041 ms
Remote clock offset: -0.883 ms

Below is generated by plot.py at 2018-06-18 11:19:05
Datalink statistics
-- Total of 1 flow:
Average throughput: 123.71 Mbit/s
95th percentile per-packet one-way delay: 87.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 123.71 Mbit/s
95th percentile per-packet one-way delay: 87.249 ms
Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link

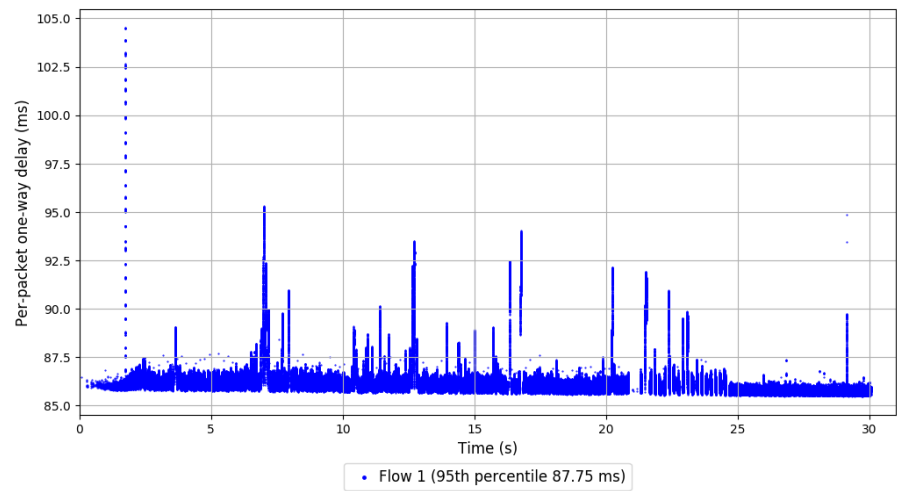
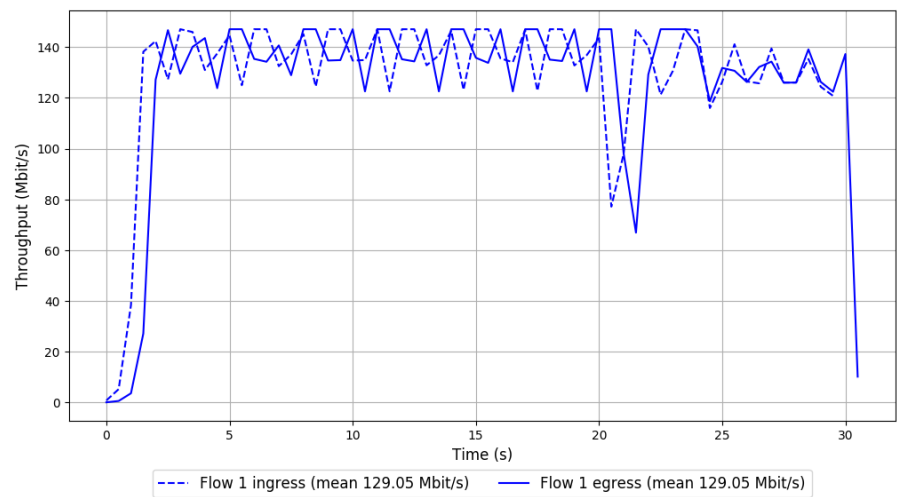


Run 4: Statistics of TCP BBR

Start at: 2018-06-18 08:54:49
End at: 2018-06-18 08:55:19
Local clock offset: 10.222 ms
Remote clock offset: -0.344 ms

Below is generated by plot.py at 2018-06-18 11:19:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 129.05 Mbit/s
95th percentile per-packet one-way delay: 87.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 129.05 Mbit/s
95th percentile per-packet one-way delay: 87.750 ms
Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2018-06-18 09:15:36

End at: 2018-06-18 09:16:06

Local clock offset: 8.887 ms

Remote clock offset: 0.078 ms

Below is generated by plot.py at 2018-06-18 11:19:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 127.43 Mbit/s

95th percentile per-packet one-way delay: 87.813 ms

Loss rate: 0.00%

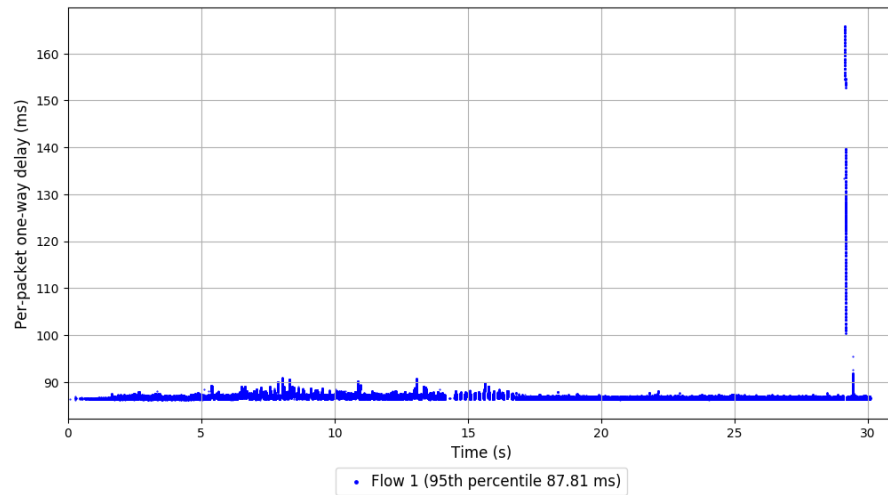
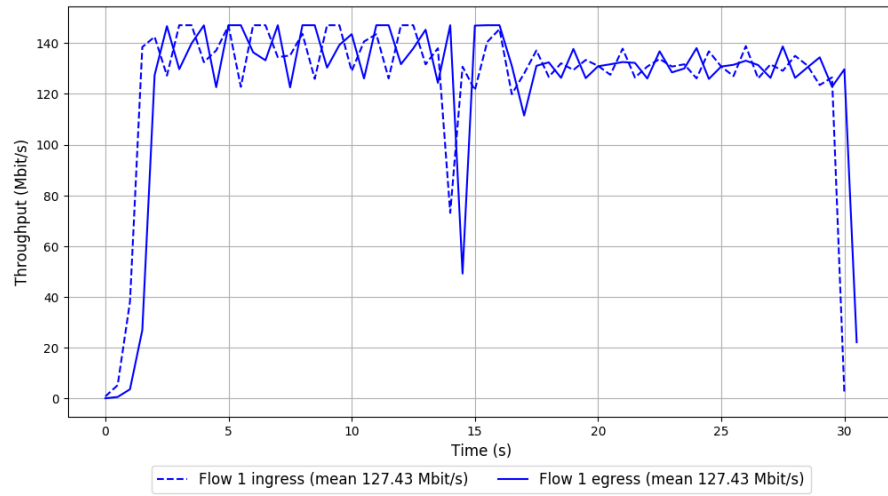
-- Flow 1:

Average throughput: 127.43 Mbit/s

95th percentile per-packet one-way delay: 87.813 ms

Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-06-18 09:36:27

End at: 2018-06-18 09:36:57

Local clock offset: 2.451 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-18 11:19:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.15 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.00%

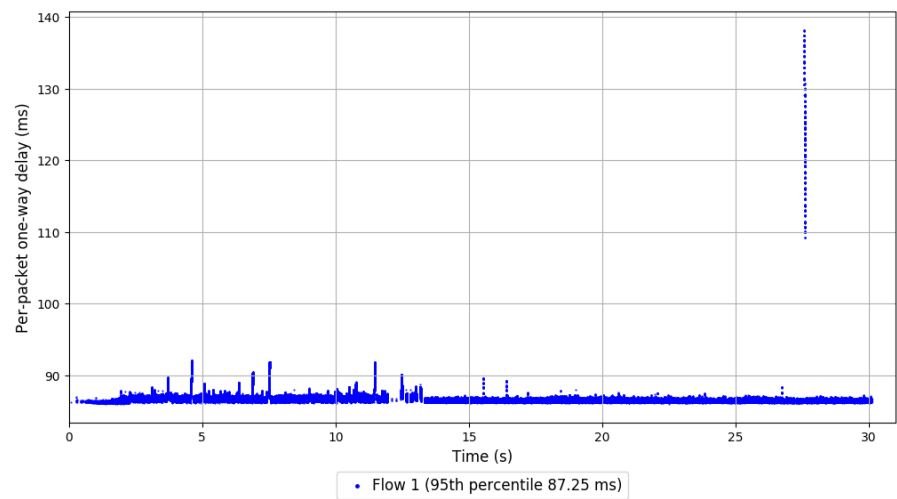
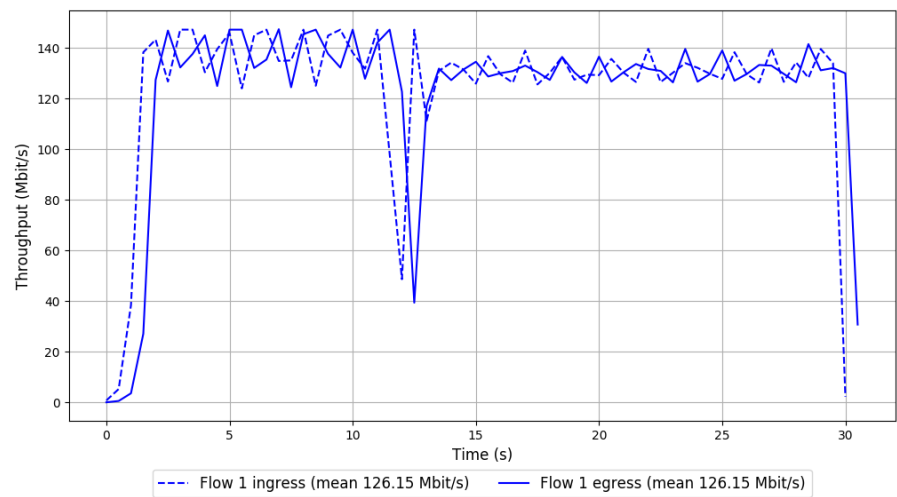
-- Flow 1:

Average throughput: 126.15 Mbit/s

95th percentile per-packet one-way delay: 87.254 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-06-18 09:57:13

End at: 2018-06-18 09:57:43

Local clock offset: 1.608 ms

Remote clock offset: 0.032 ms

Below is generated by plot.py at 2018-06-18 11:19:10

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.70 Mbit/s

95th percentile per-packet one-way delay: 87.491 ms

Loss rate: 0.00%

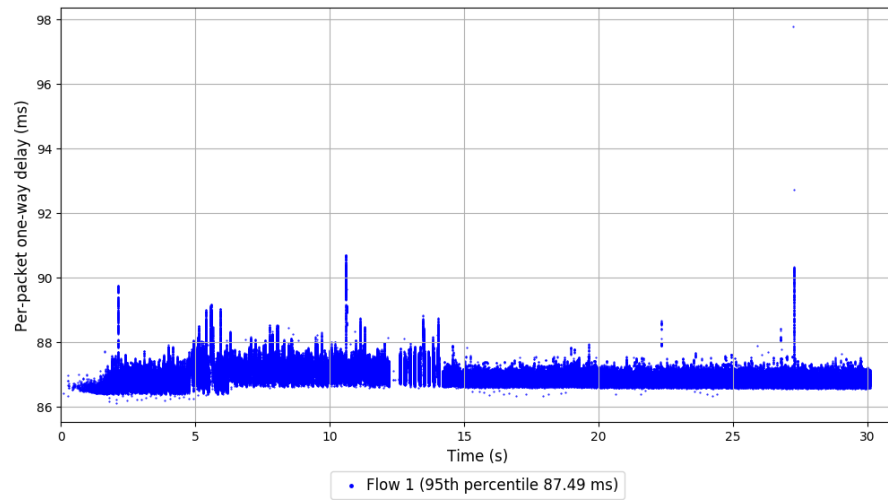
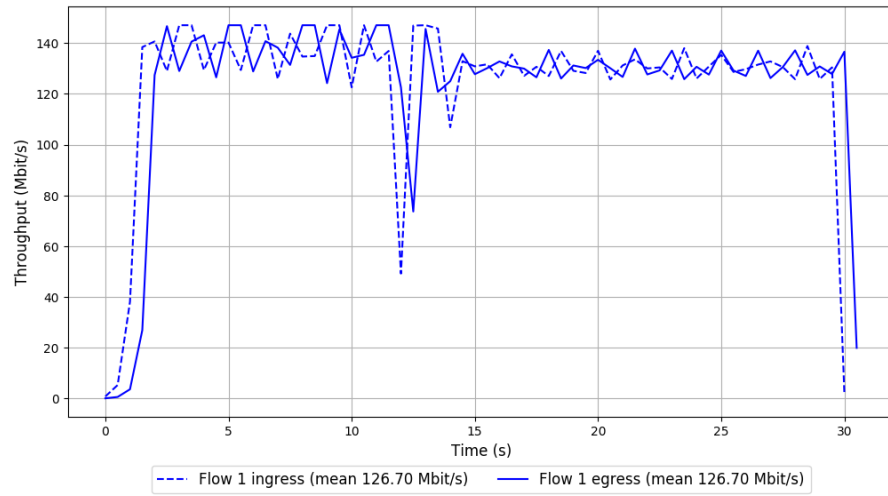
-- Flow 1:

Average throughput: 126.70 Mbit/s

95th percentile per-packet one-way delay: 87.491 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: 2018-06-18 10:18:05

End at: 2018-06-18 10:18:35

Local clock offset: 1.014 ms

Remote clock offset: -0.078 ms

Below is generated by plot.py at 2018-06-18 11:19:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.44 Mbit/s

95th percentile per-packet one-way delay: 88.057 ms

Loss rate: 0.00%

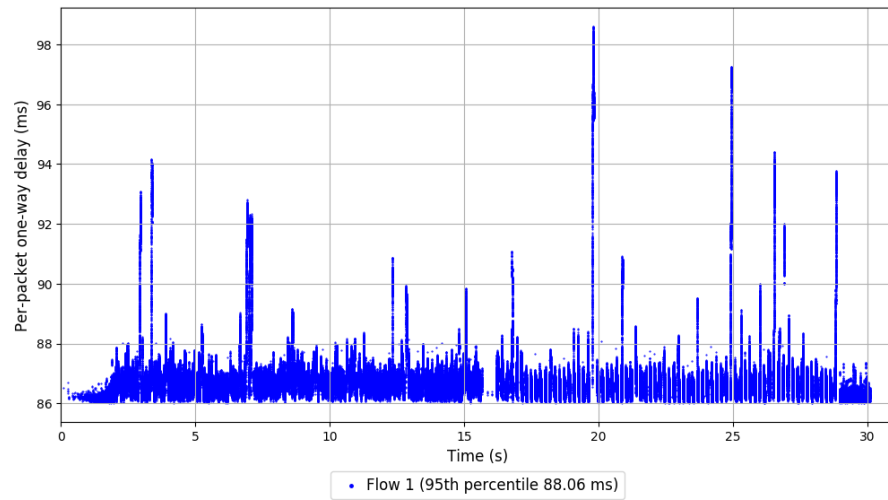
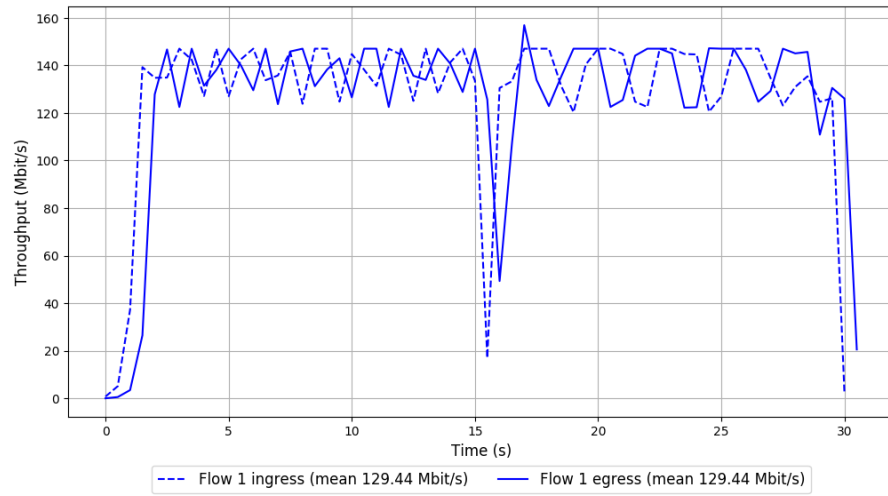
-- Flow 1:

Average throughput: 129.44 Mbit/s

95th percentile per-packet one-way delay: 88.057 ms

Loss rate: 0.00%

Run 8: Report of TCP BBR — Data Link

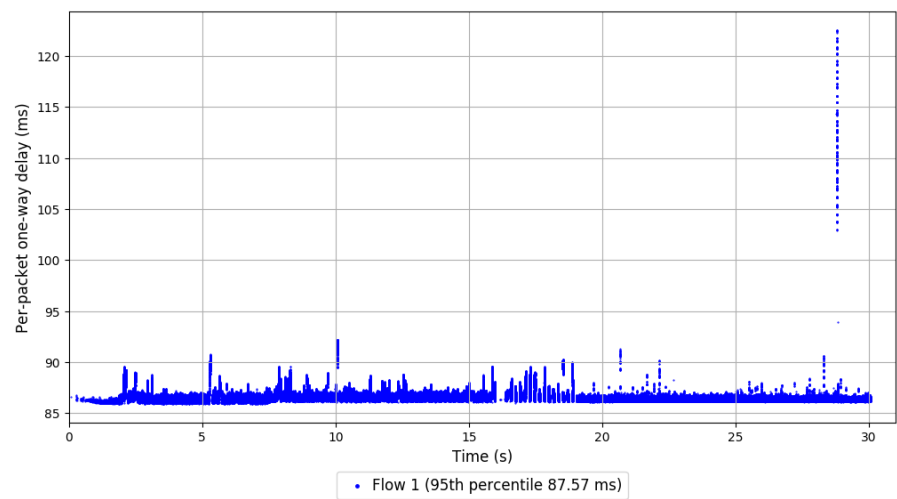
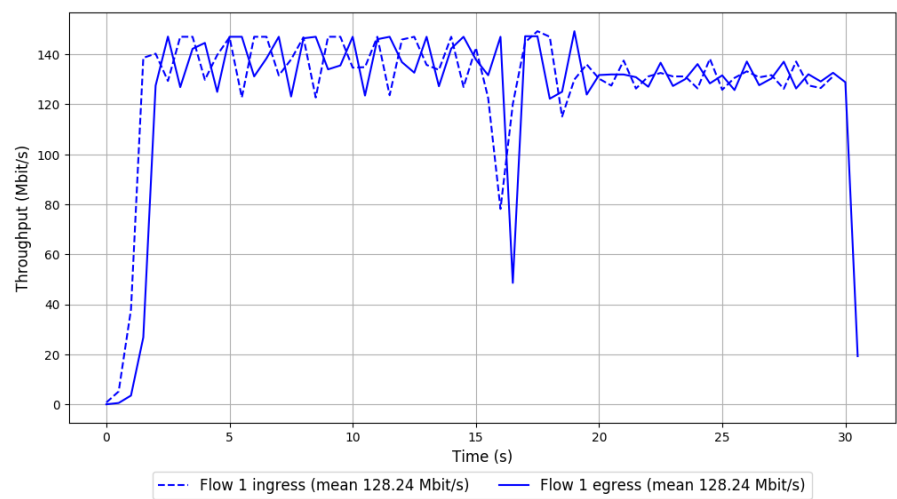


Run 9: Statistics of TCP BBR

Start at: 2018-06-18 10:39:02
End at: 2018-06-18 10:39:32
Local clock offset: 0.523 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-18 11:20:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 128.24 Mbit/s
95th percentile per-packet one-way delay: 87.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 128.24 Mbit/s
95th percentile per-packet one-way delay: 87.571 ms
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2018-06-18 10:59:50

End at: 2018-06-18 11:00:20

Local clock offset: 0.468 ms

Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-18 11:20:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.51 Mbit/s

95th percentile per-packet one-way delay: 89.184 ms

Loss rate: 0.00%

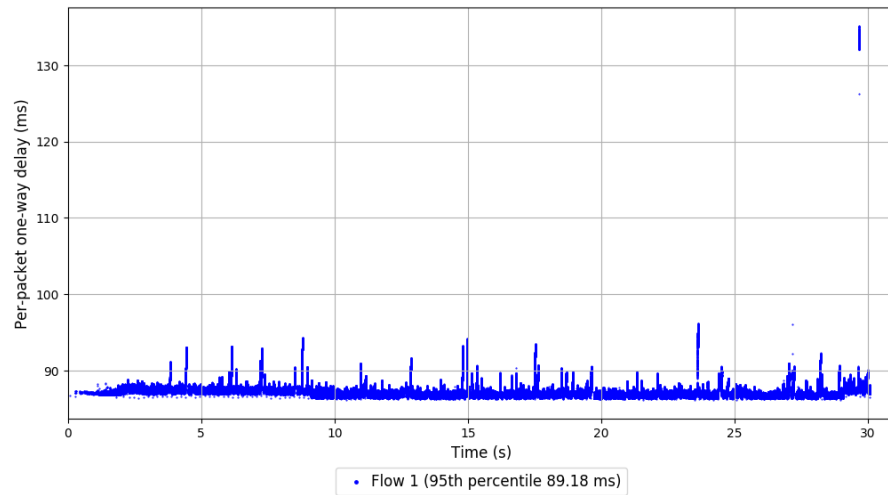
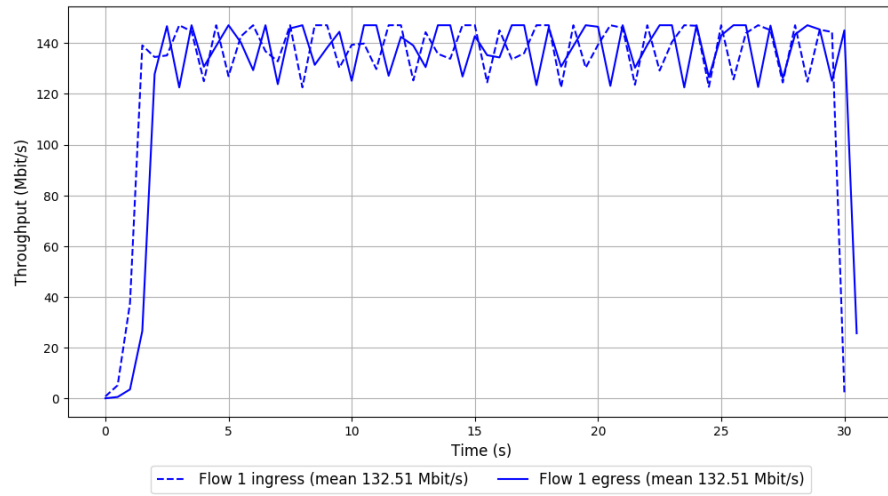
-- Flow 1:

Average throughput: 132.51 Mbit/s

95th percentile per-packet one-way delay: 89.184 ms

Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-06-18 07:47:11

End at: 2018-06-18 07:47:41

Local clock offset: 20.417 ms

Remote clock offset: -0.28 ms

Below is generated by plot.py at 2018-06-18 11:25:42

Datalink statistics

-- Total of 1 flow:

Average throughput: 228.54 Mbit/s

95th percentile per-packet one-way delay: 100.081 ms

Loss rate: 0.01%

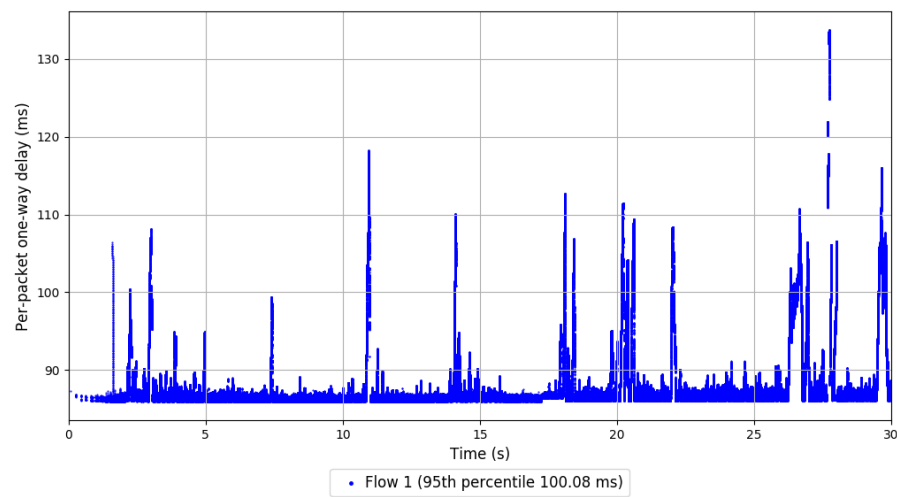
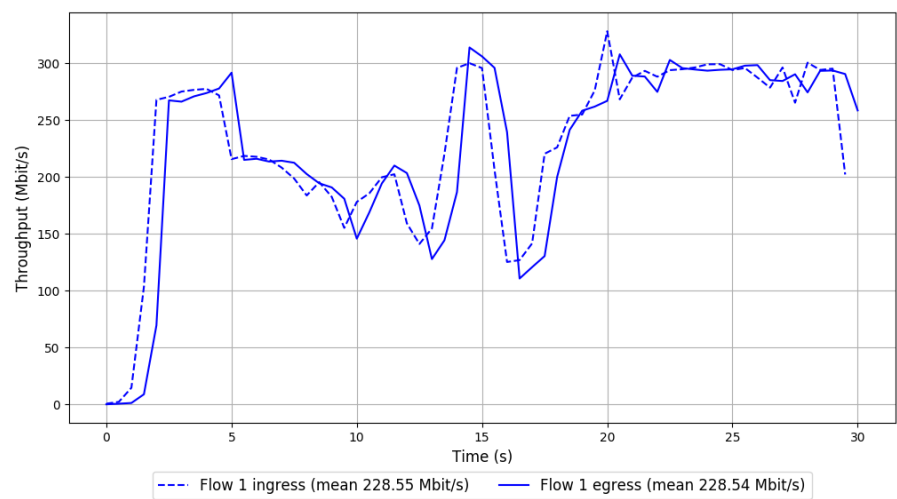
-- Flow 1:

Average throughput: 228.54 Mbit/s

95th percentile per-packet one-way delay: 100.081 ms

Loss rate: 0.01%

Run 1: Report of Copa — Data Link

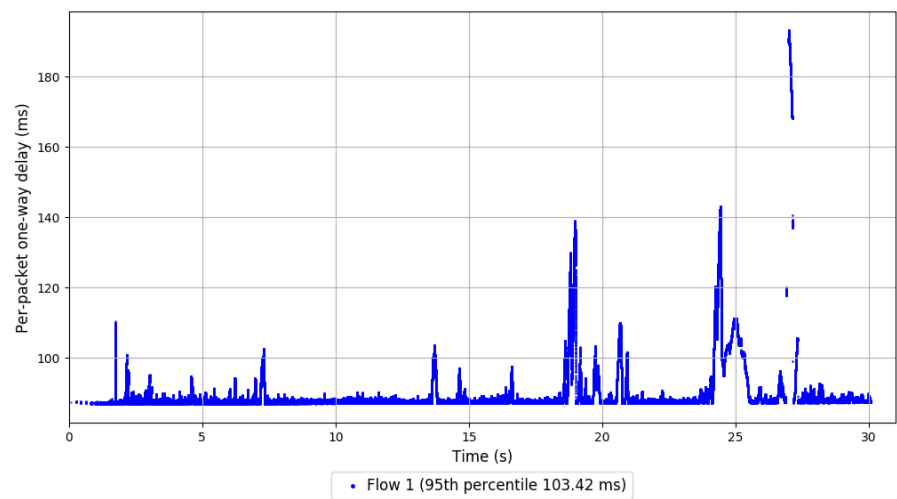
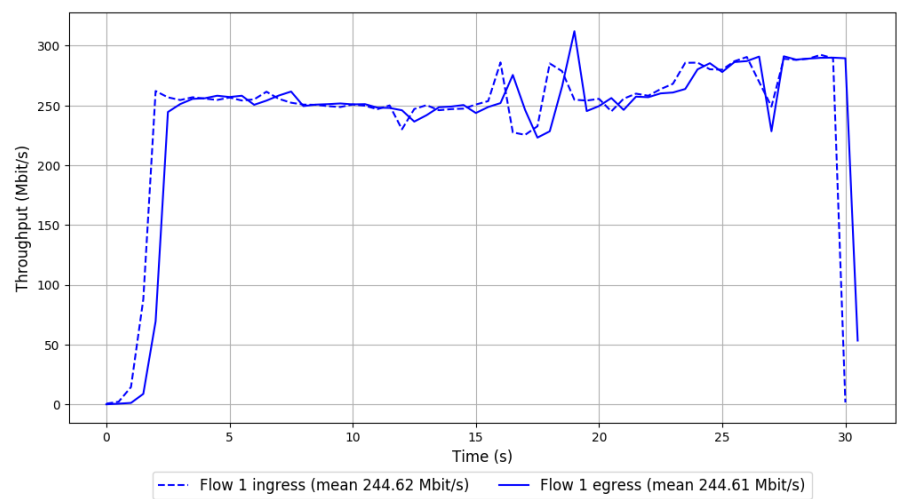


Run 2: Statistics of Copa

Start at: 2018-06-18 08:07:56
End at: 2018-06-18 08:08:27
Local clock offset: 36.213 ms
Remote clock offset: -0.509 ms

Below is generated by plot.py at 2018-06-18 11:26:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 244.61 Mbit/s
95th percentile per-packet one-way delay: 103.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 244.61 Mbit/s
95th percentile per-packet one-way delay: 103.421 ms
Loss rate: 0.00%

Run 2: Report of Copa — Data Link

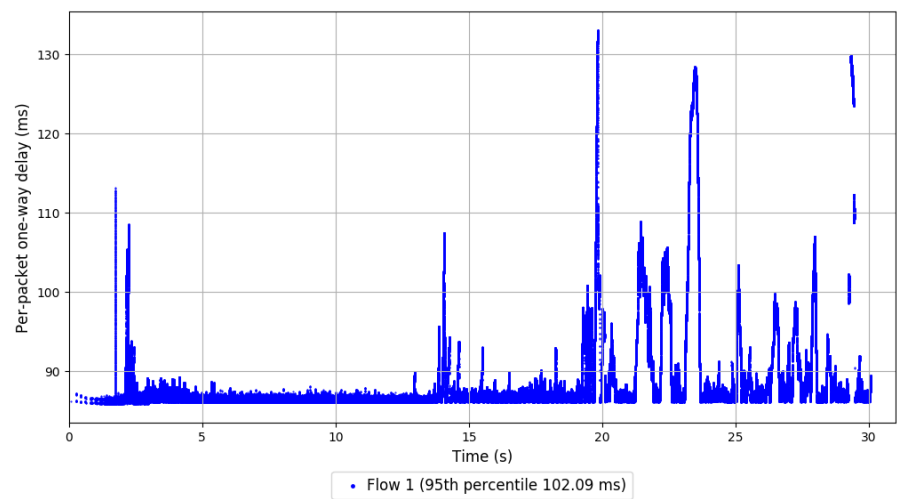
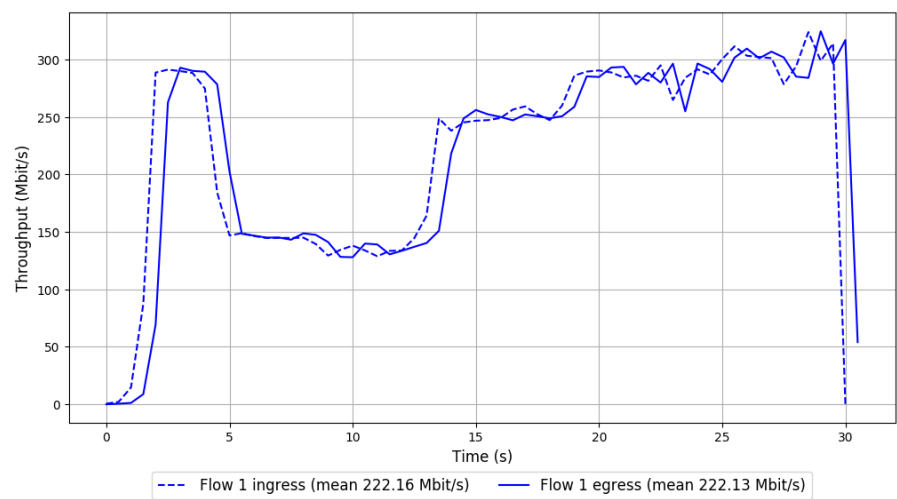


Run 3: Statistics of Copa

Start at: 2018-06-18 08:28:46
End at: 2018-06-18 08:29:16
Local clock offset: 15.656 ms
Remote clock offset: -0.796 ms

Below is generated by plot.py at 2018-06-18 11:26:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 222.13 Mbit/s
95th percentile per-packet one-way delay: 102.088 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 222.13 Mbit/s
95th percentile per-packet one-way delay: 102.088 ms
Loss rate: 0.01%

Run 3: Report of Copa — Data Link

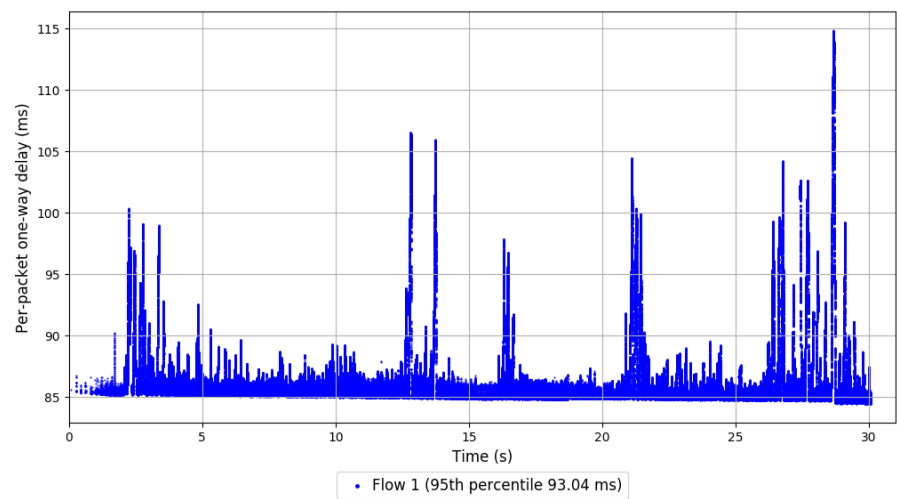
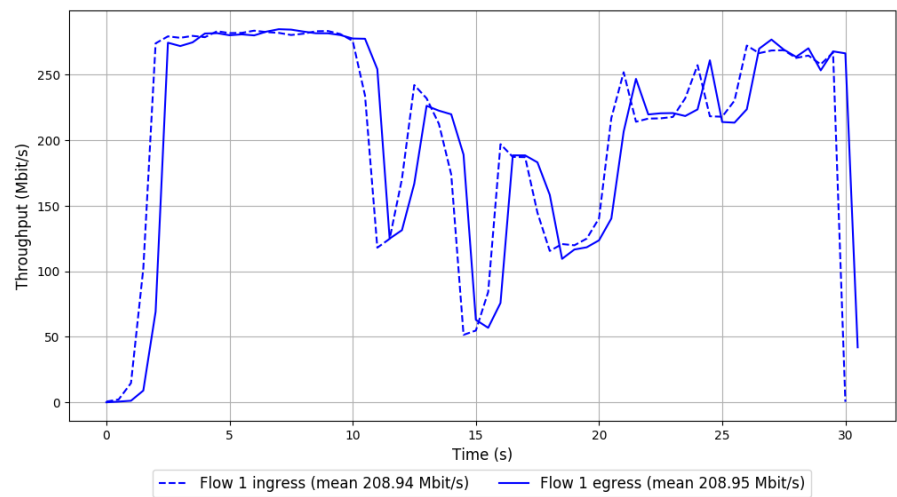


Run 4: Statistics of Copa

Start at: 2018-06-18 08:49:49
End at: 2018-06-18 08:50:19
Local clock offset: 15.088 ms
Remote clock offset: -0.734 ms

Below is generated by plot.py at 2018-06-18 11:26:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.95 Mbit/s
95th percentile per-packet one-way delay: 93.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.95 Mbit/s
95th percentile per-packet one-way delay: 93.036 ms
Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-06-18 09:10:36

End at: 2018-06-18 09:11:06

Local clock offset: 7.964 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-18 11:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.74 Mbit/s

95th percentile per-packet one-way delay: 110.997 ms

Loss rate: 0.00%

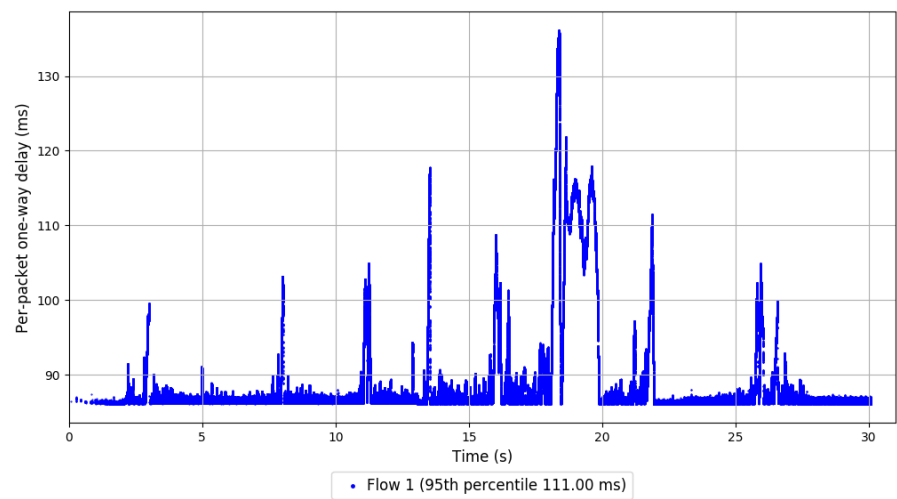
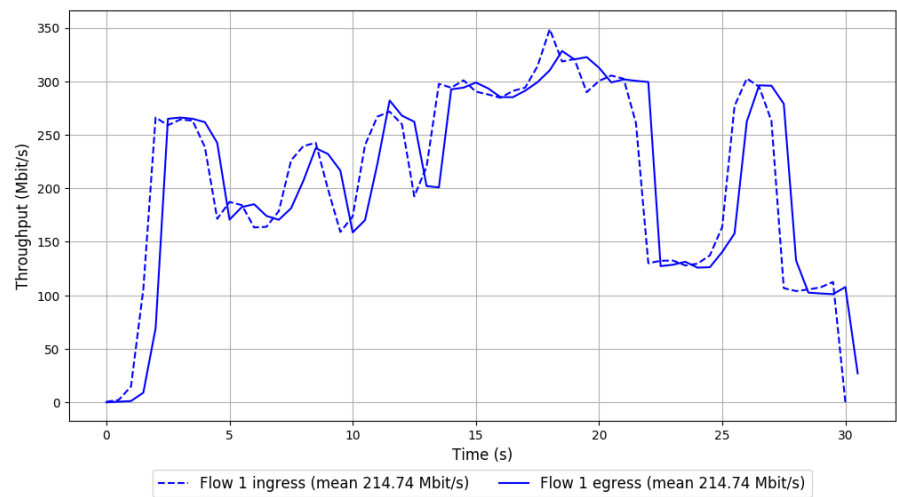
-- Flow 1:

Average throughput: 214.74 Mbit/s

95th percentile per-packet one-way delay: 110.997 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-18 09:31:25

End at: 2018-06-18 09:31:55

Local clock offset: 3.43 ms

Remote clock offset: 0.008 ms

Below is generated by plot.py at 2018-06-18 11:26:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.78 Mbit/s

95th percentile per-packet one-way delay: 91.691 ms

Loss rate: 0.00%

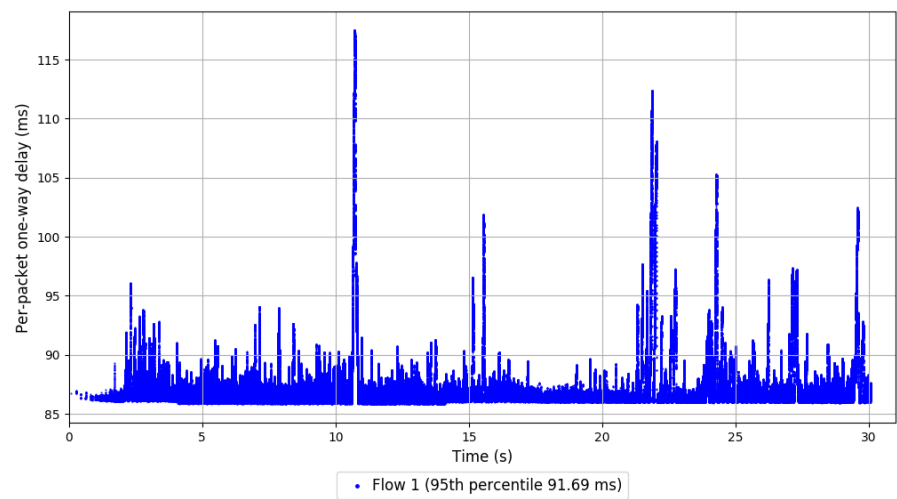
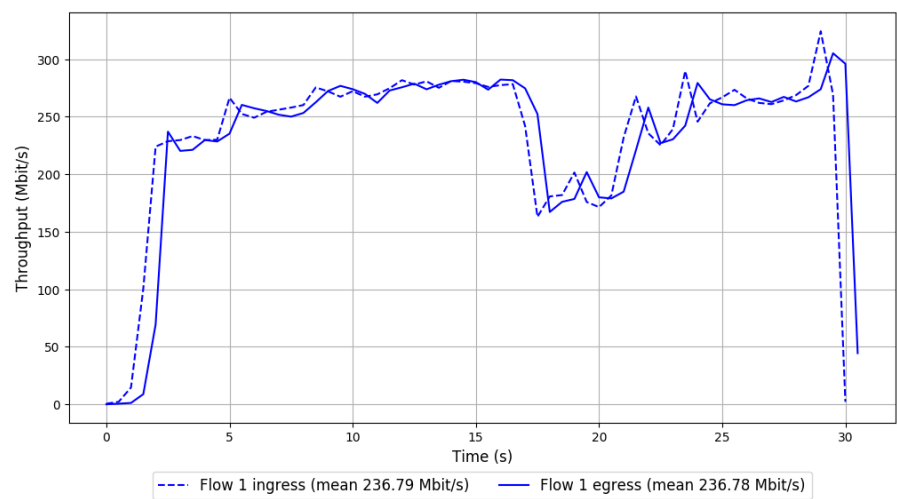
-- Flow 1:

Average throughput: 236.78 Mbit/s

95th percentile per-packet one-way delay: 91.691 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link

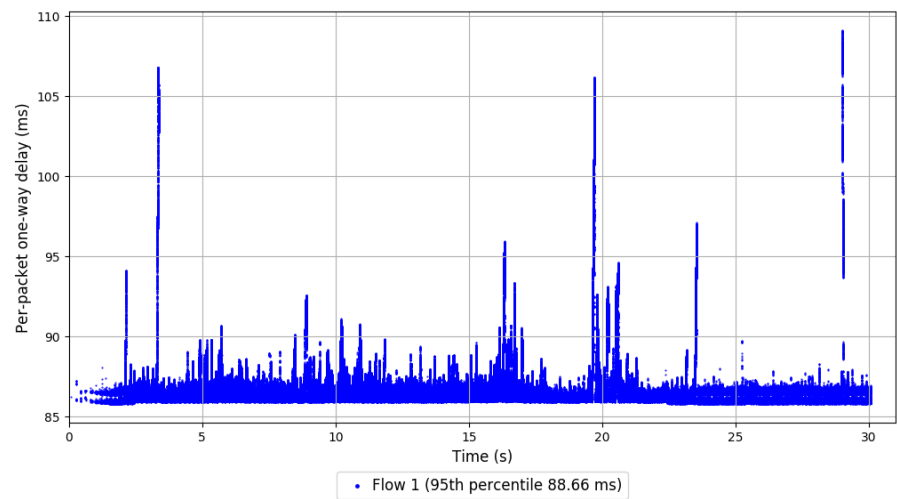
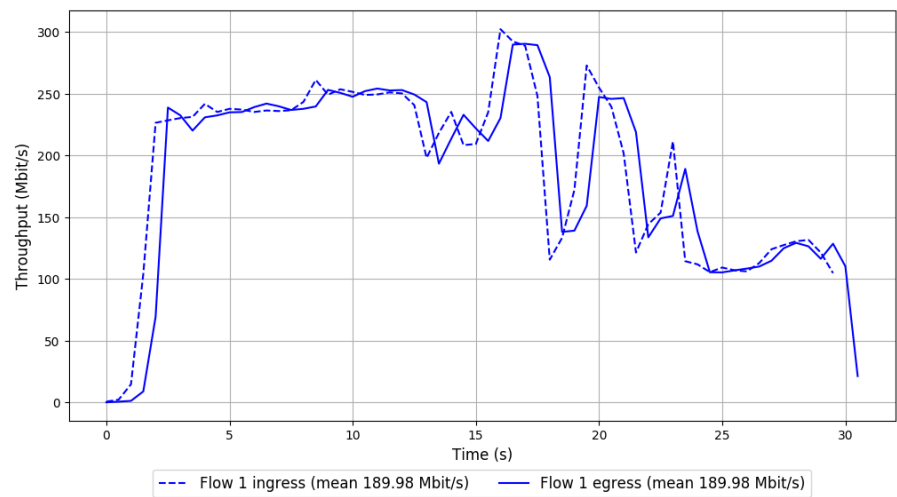


Run 7: Statistics of Copa

Start at: 2018-06-18 09:52:16
End at: 2018-06-18 09:52:46
Local clock offset: 2.309 ms
Remote clock offset: -0.029 ms

Below is generated by plot.py at 2018-06-18 11:26:49
Datalink statistics
-- Total of 1 flow:
Average throughput: 189.98 Mbit/s
95th percentile per-packet one-way delay: 88.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 189.98 Mbit/s
95th percentile per-packet one-way delay: 88.658 ms
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-06-18 10:13:06

End at: 2018-06-18 10:13:36

Local clock offset: 0.922 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-18 11:27:31

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.16 Mbit/s

95th percentile per-packet one-way delay: 113.079 ms

Loss rate: 0.00%

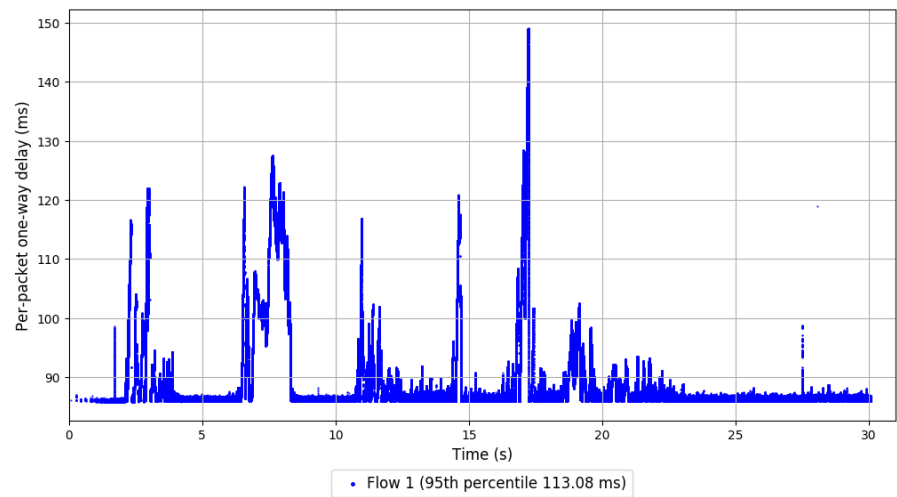
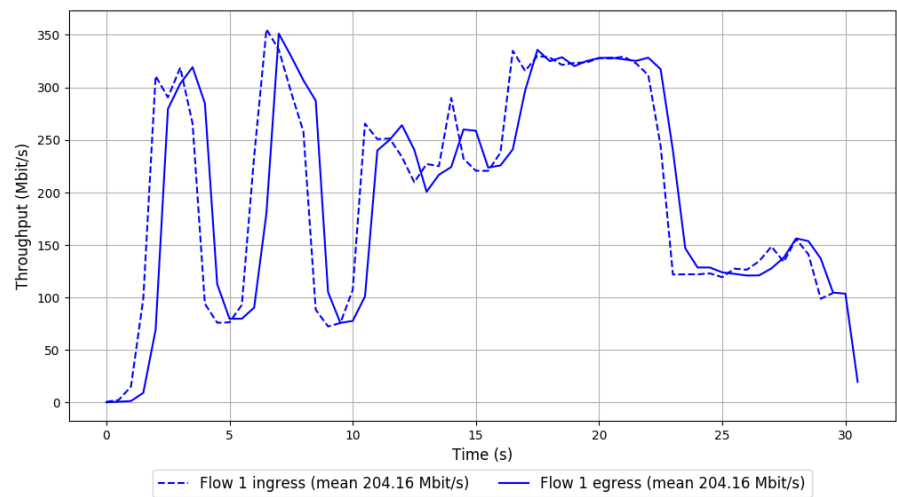
-- Flow 1:

Average throughput: 204.16 Mbit/s

95th percentile per-packet one-way delay: 113.079 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link

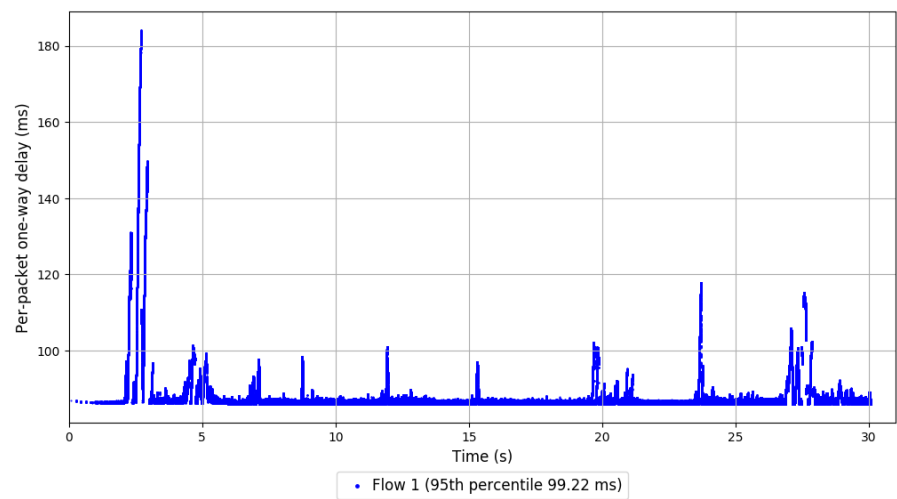
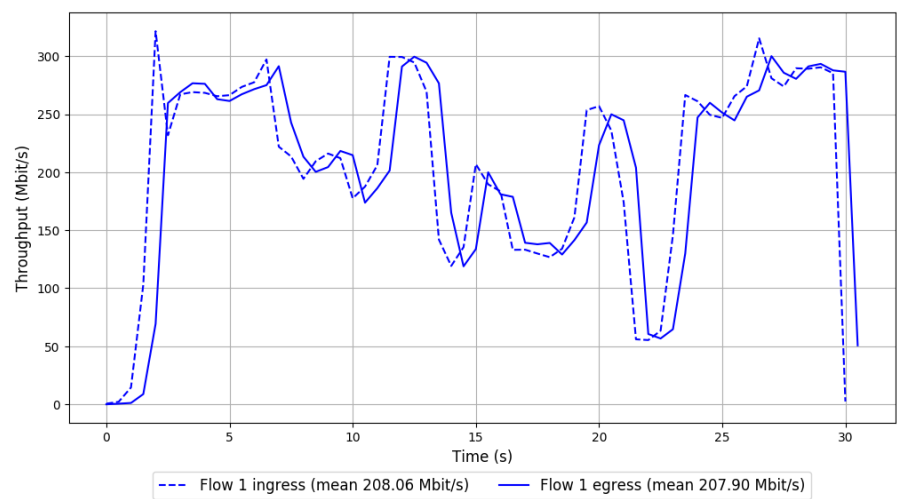


Run 9: Statistics of Copa

Start at: 2018-06-18 10:34:02
End at: 2018-06-18 10:34:32
Local clock offset: 0.555 ms
Remote clock offset: -0.056 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 99.217 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 207.90 Mbit/s
95th percentile per-packet one-way delay: 99.217 ms
Loss rate: 0.08%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-06-18 10:54:53

End at: 2018-06-18 10:55:23

Local clock offset: 0.426 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at 2018-06-18 11:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 183.95 Mbit/s

95th percentile per-packet one-way delay: 106.089 ms

Loss rate: 0.00%

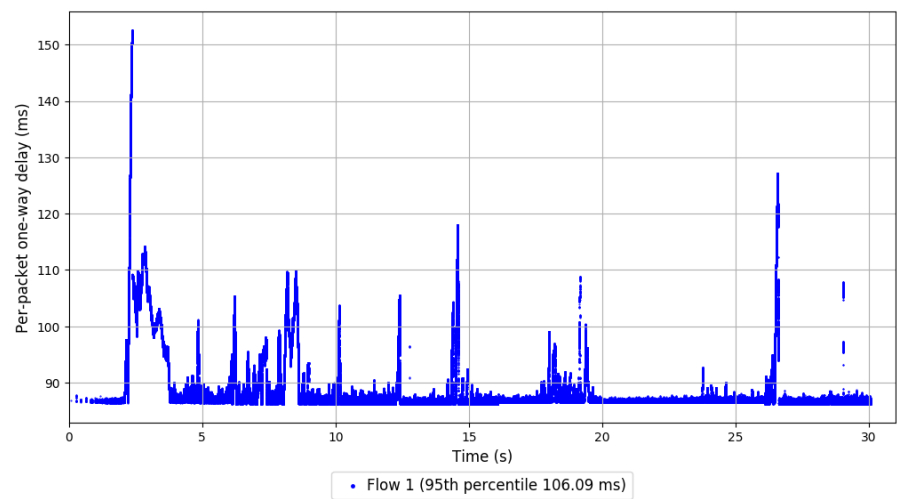
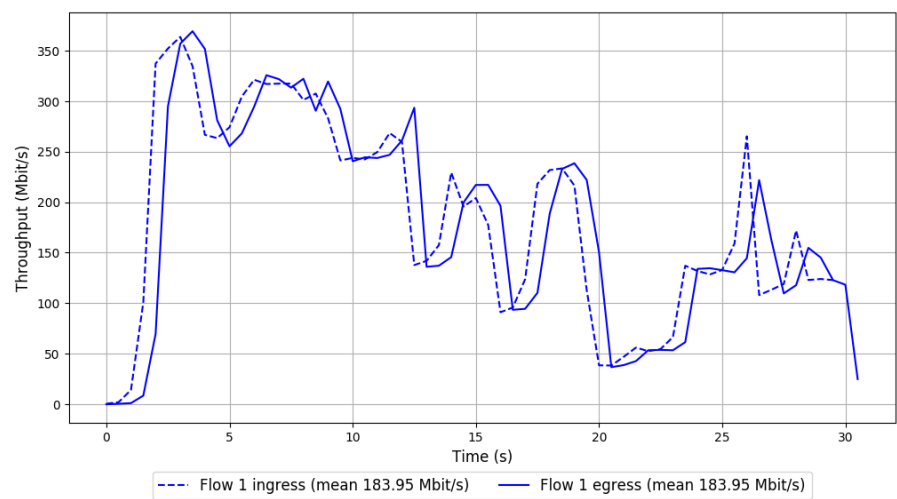
-- Flow 1:

Average throughput: 183.95 Mbit/s

95th percentile per-packet one-way delay: 106.089 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link

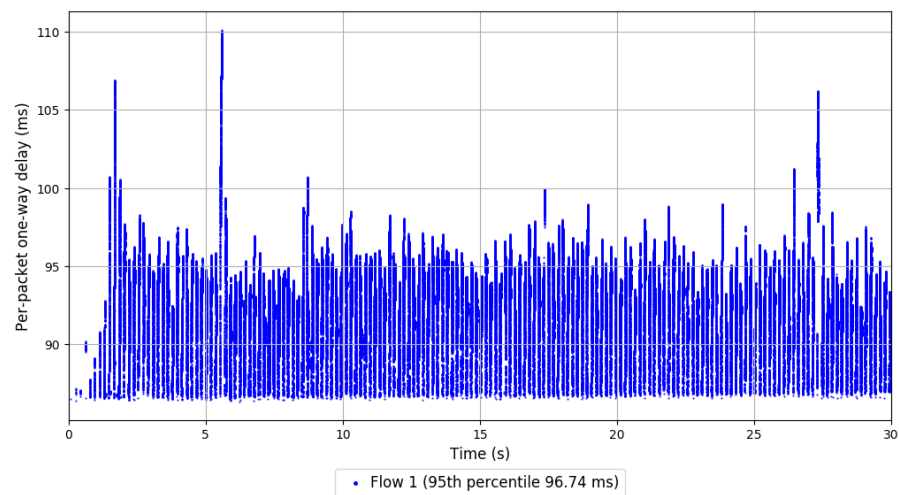
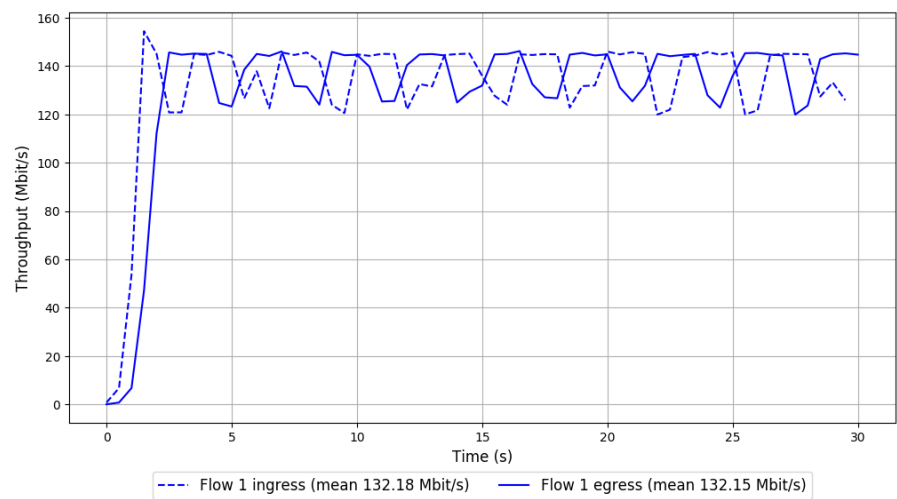


Run 1: Statistics of TCP Cubic

Start at: 2018-06-18 07:53:21
End at: 2018-06-18 07:53:51
Local clock offset: 22.894 ms
Remote clock offset: -0.282 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.15 Mbit/s
95th percentile per-packet one-way delay: 96.741 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.15 Mbit/s
95th percentile per-packet one-way delay: 96.741 ms
Loss rate: 0.00%

Run 1: Report of TCP Cubic — Data Link

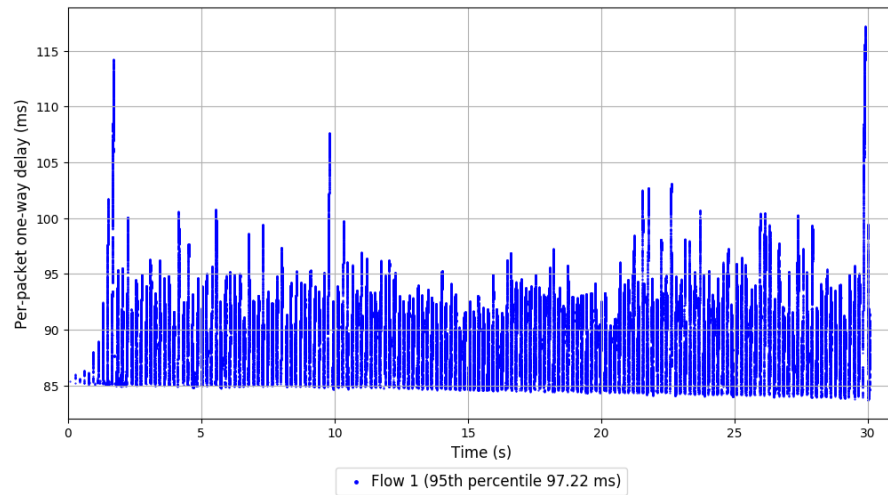
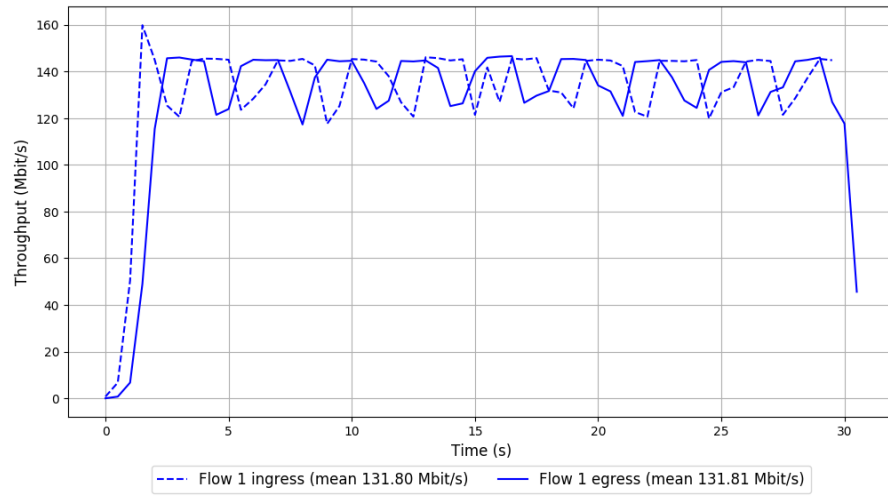


Run 2: Statistics of TCP Cubic

Start at: 2018-06-18 08:14:12
End at: 2018-06-18 08:14:42
Local clock offset: 33.7 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.81 Mbit/s
95th percentile per-packet one-way delay: 97.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.81 Mbit/s
95th percentile per-packet one-way delay: 97.220 ms
Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link

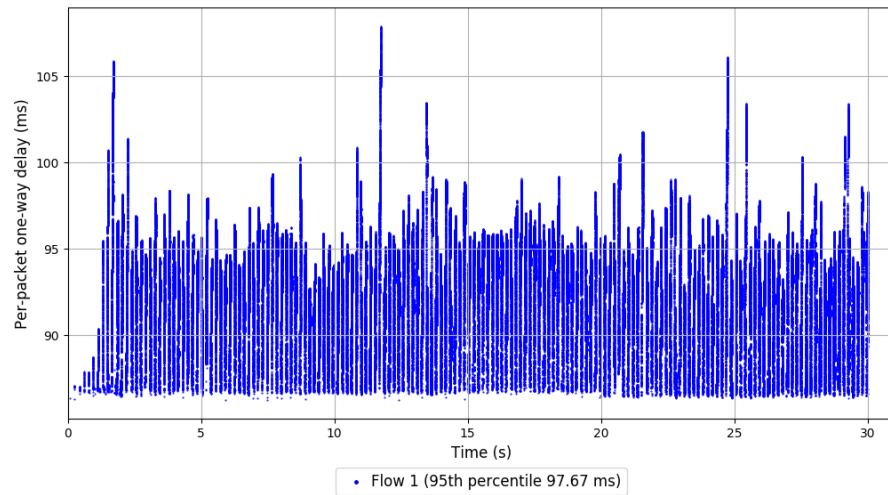
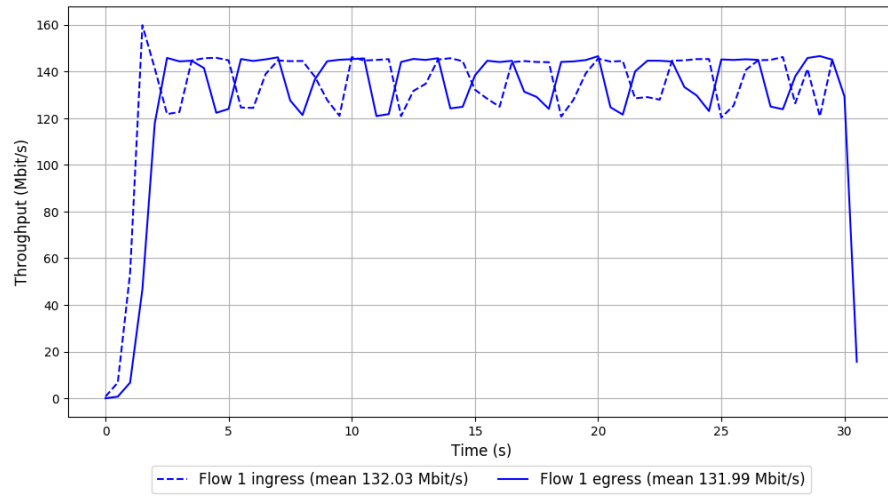


Run 3: Statistics of TCP Cubic

Start at: 2018-06-18 08:34:59
End at: 2018-06-18 08:35:29
Local clock offset: 16.302 ms
Remote clock offset: -0.922 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 97.675 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.99 Mbit/s
95th percentile per-packet one-way delay: 97.675 ms
Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link

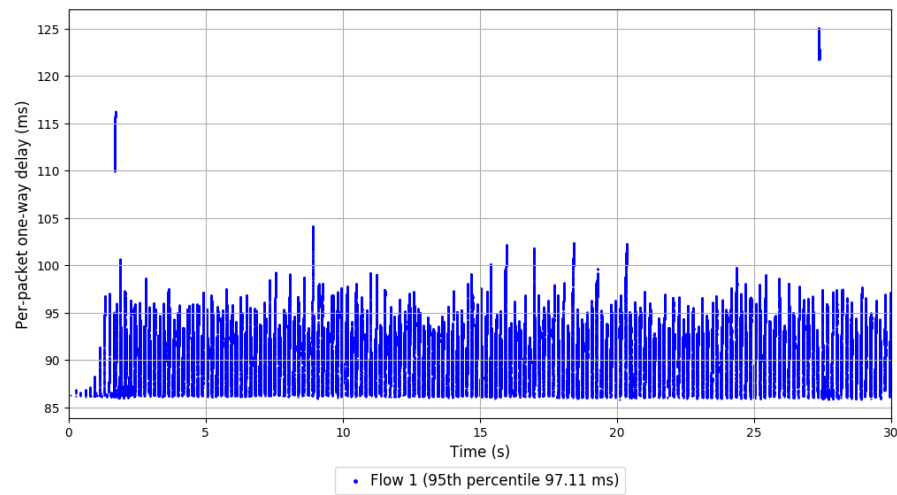
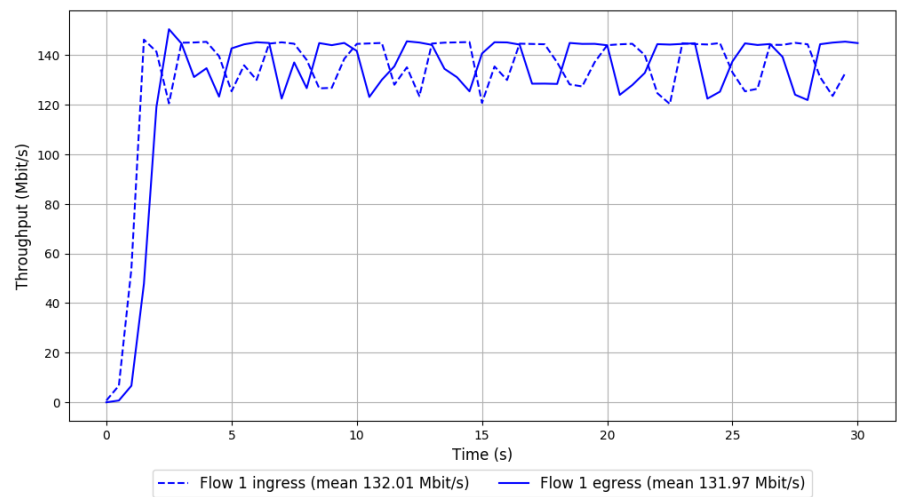


Run 4: Statistics of TCP Cubic

Start at: 2018-06-18 08:56:02
End at: 2018-06-18 08:56:32
Local clock offset: 9.367 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.97 Mbit/s
95th percentile per-packet one-way delay: 97.107 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.97 Mbit/s
95th percentile per-packet one-way delay: 97.107 ms
Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2018-06-18 09:16:49

End at: 2018-06-18 09:17:19

Local clock offset: 9.238 ms

Remote clock offset: 0.115 ms

Below is generated by plot.py at 2018-06-18 11:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.44 Mbit/s

95th percentile per-packet one-way delay: 99.594 ms

Loss rate: 0.00%

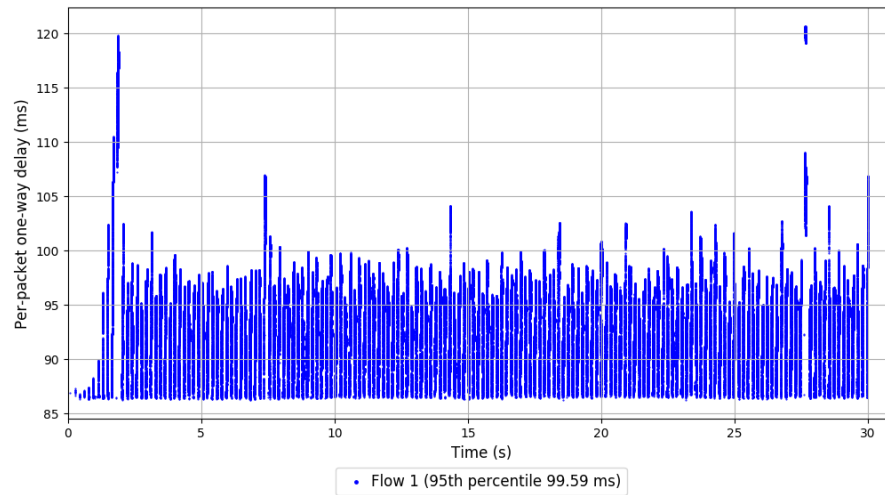
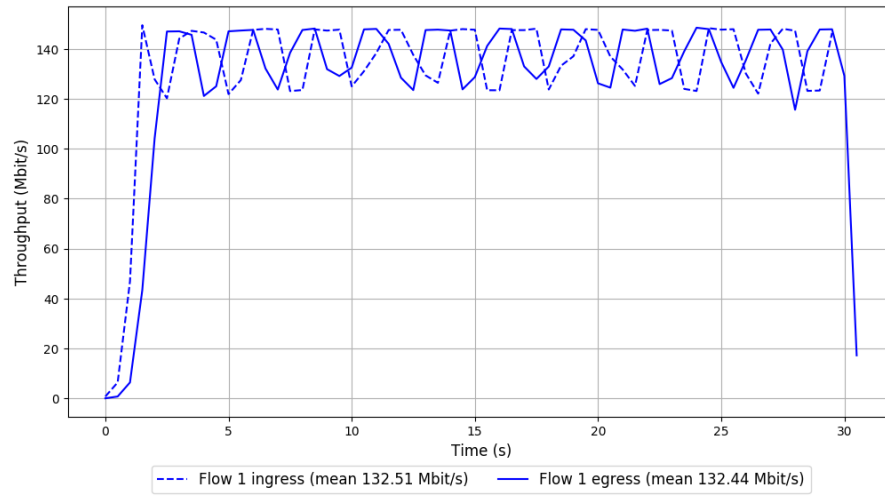
-- Flow 1:

Average throughput: 132.44 Mbit/s

95th percentile per-packet one-way delay: 99.594 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2018-06-18 09:37:40

End at: 2018-06-18 09:38:10

Local clock offset: 2.415 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-18 11:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.74 Mbit/s

95th percentile per-packet one-way delay: 96.405 ms

Loss rate: 0.00%

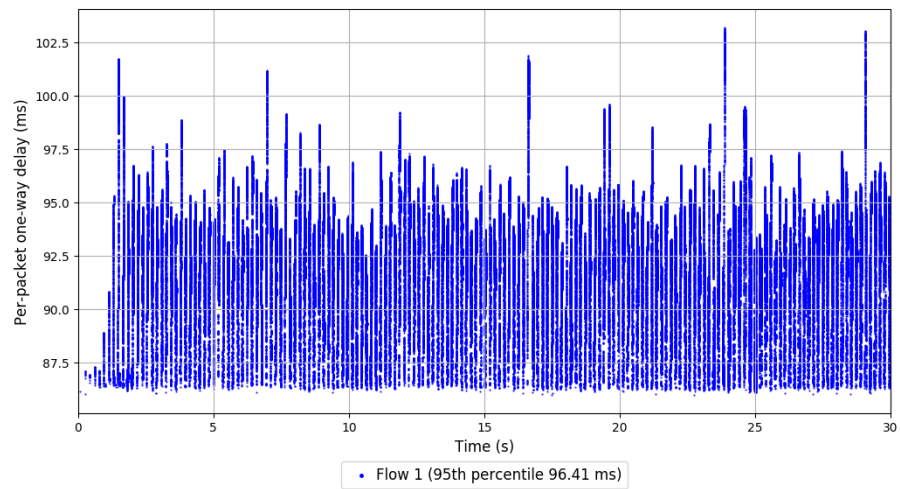
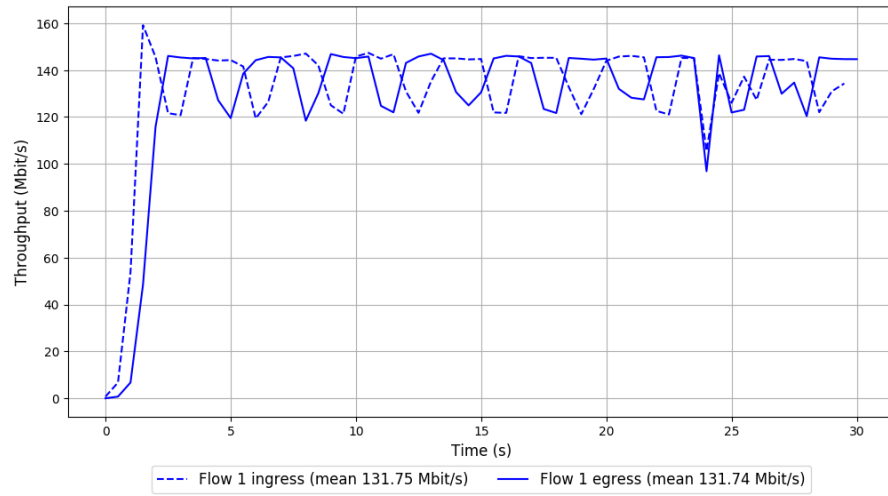
-- Flow 1:

Average throughput: 131.74 Mbit/s

95th percentile per-packet one-way delay: 96.405 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-06-18 09:58:26

End at: 2018-06-18 09:58:56

Local clock offset: 1.869 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-18 11:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.81 Mbit/s

95th percentile per-packet one-way delay: 96.462 ms

Loss rate: 0.00%

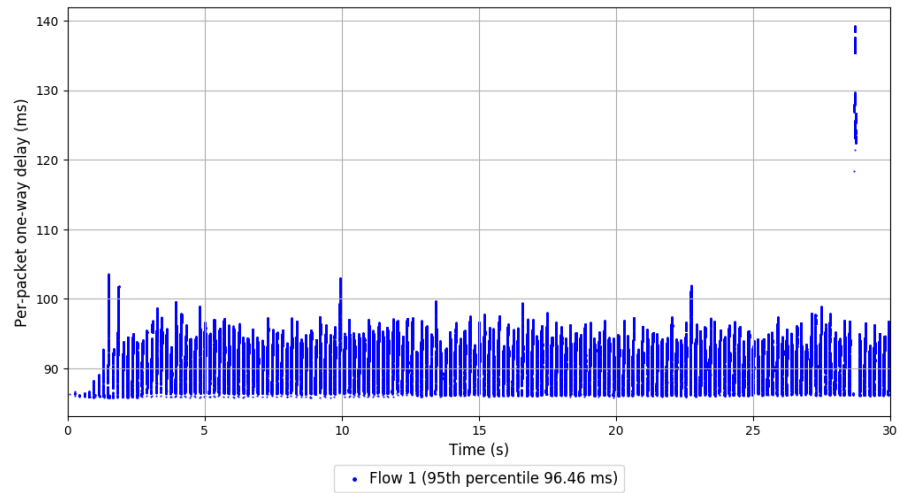
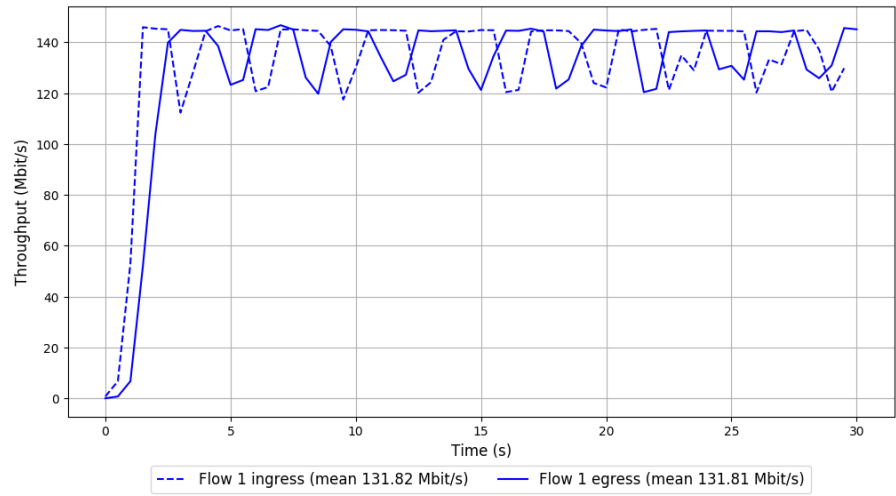
-- Flow 1:

Average throughput: 131.81 Mbit/s

95th percentile per-packet one-way delay: 96.462 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link

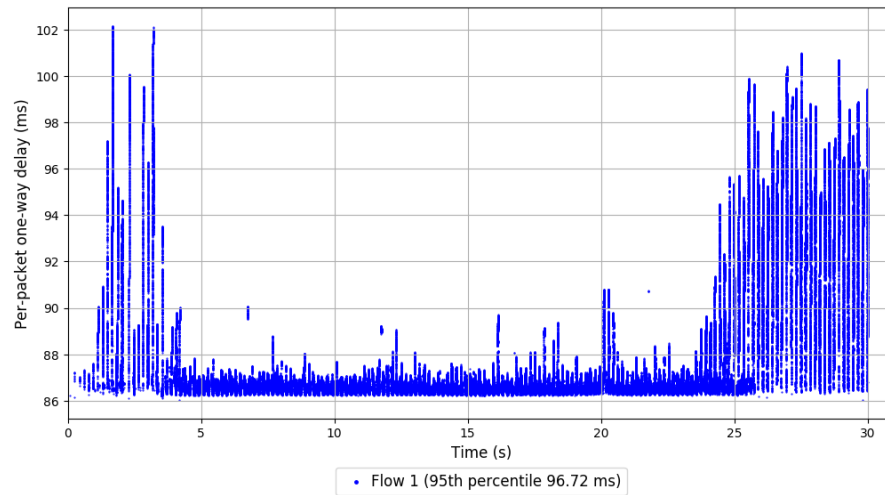
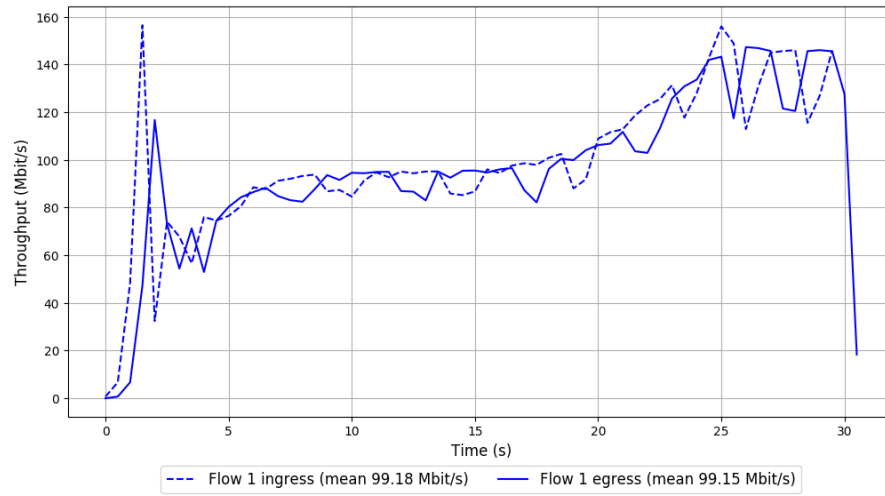


Run 8: Statistics of TCP Cubic

Start at: 2018-06-18 10:19:19
End at: 2018-06-18 10:19:49
Local clock offset: 0.881 ms
Remote clock offset: -0.013 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 96.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 99.15 Mbit/s
95th percentile per-packet one-way delay: 96.725 ms
Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link

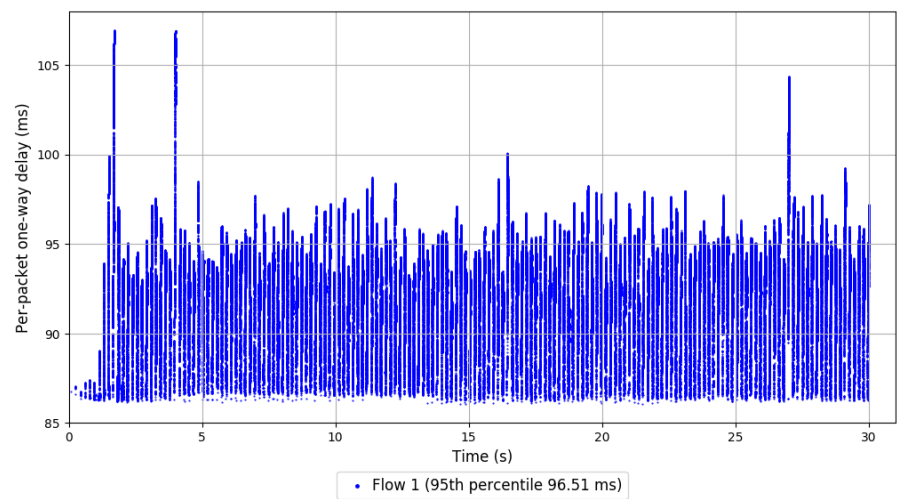
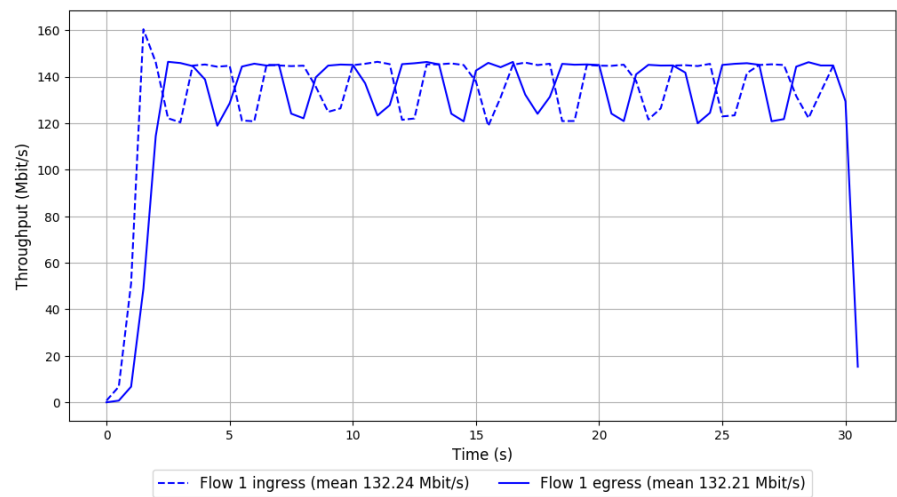


Run 9: Statistics of TCP Cubic

Start at: 2018-06-18 10:40:15
End at: 2018-06-18 10:40:45
Local clock offset: 0.465 ms
Remote clock offset: -0.072 ms

Below is generated by plot.py at 2018-06-18 11:31:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 132.21 Mbit/s
95th percentile per-packet one-way delay: 96.511 ms
Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2018-06-18 11:01:03

End at: 2018-06-18 11:01:33

Local clock offset: 0.555 ms

Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-18 11:31:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.61 Mbit/s

95th percentile per-packet one-way delay: 96.502 ms

Loss rate: 0.00%

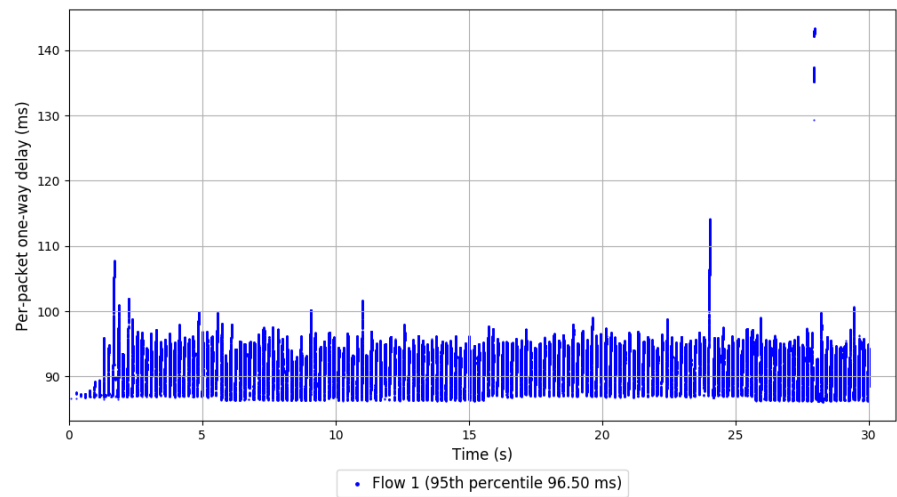
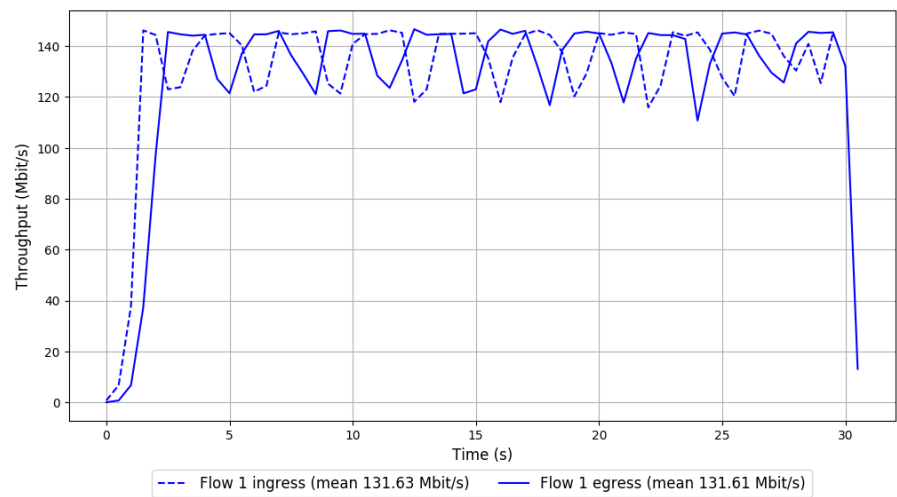
-- Flow 1:

Average throughput: 131.61 Mbit/s

95th percentile per-packet one-way delay: 96.502 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link

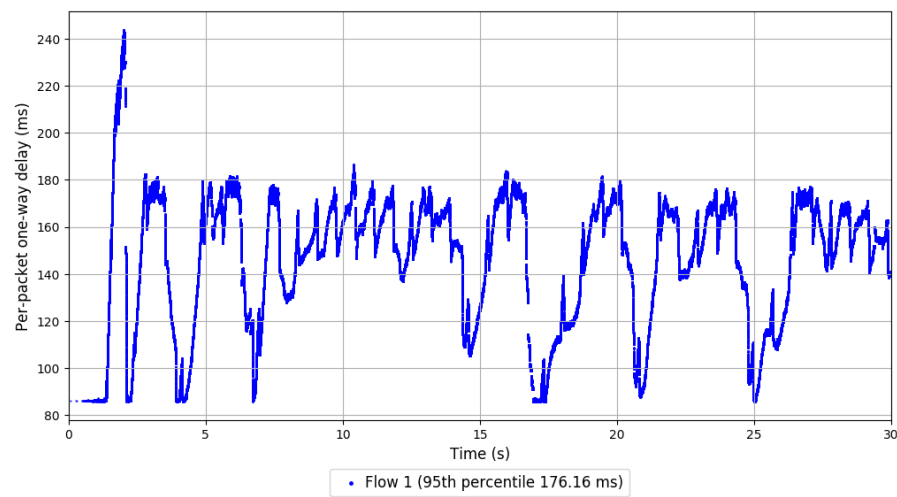
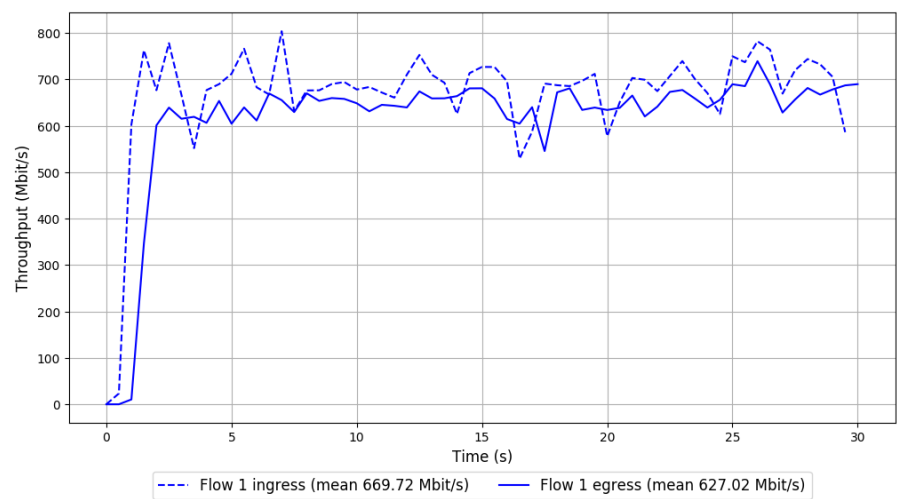


Run 1: Statistics of FillP

Start at: 2018-06-18 07:43:04
End at: 2018-06-18 07:43:34
Local clock offset: 21.327 ms
Remote clock offset: -0.279 ms

Below is generated by plot.py at 2018-06-18 11:42:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 627.02 Mbit/s
95th percentile per-packet one-way delay: 176.158 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 627.02 Mbit/s
95th percentile per-packet one-way delay: 176.158 ms
Loss rate: 6.38%

Run 1: Report of FillP — Data Link

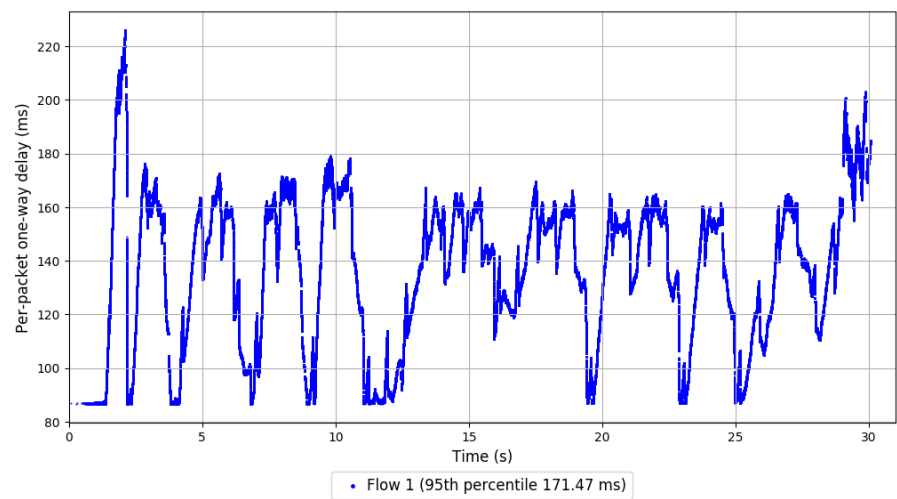
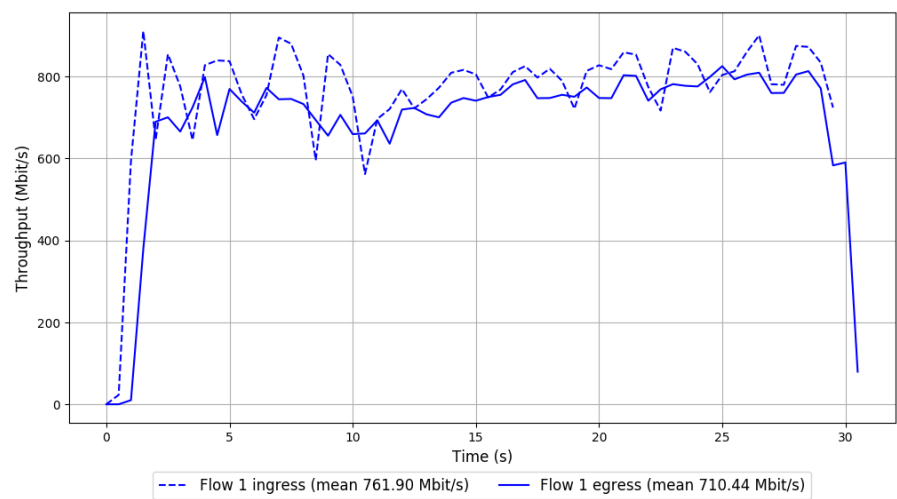


Run 2: Statistics of FillP

Start at: 2018-06-18 08:03:47
End at: 2018-06-18 08:04:17
Local clock offset: 32.219 ms
Remote clock offset: -0.406 ms

Below is generated by plot.py at 2018-06-18 11:44:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 710.44 Mbit/s
95th percentile per-packet one-way delay: 171.466 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 710.44 Mbit/s
95th percentile per-packet one-way delay: 171.466 ms
Loss rate: 6.75%

Run 2: Report of FillP — Data Link

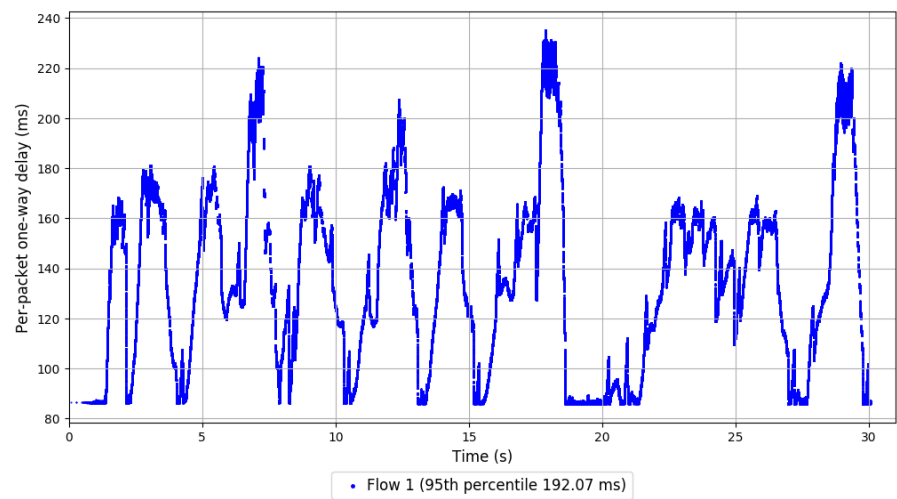
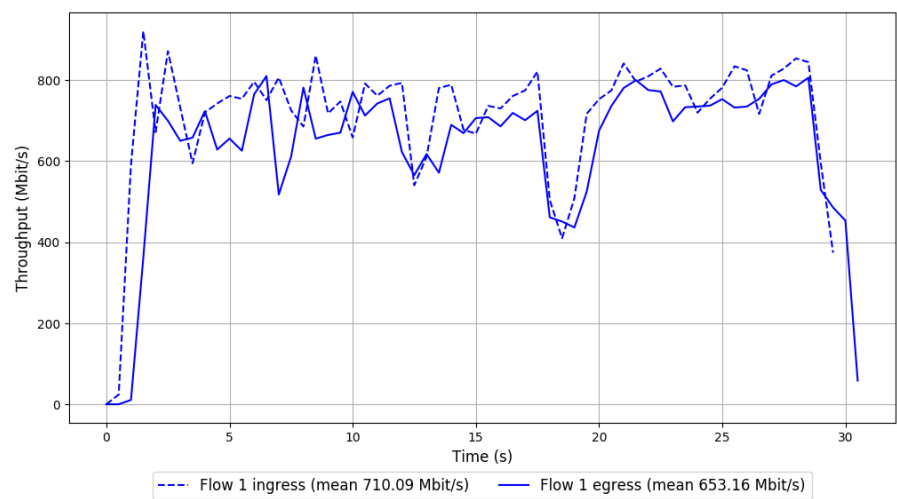


Run 3: Statistics of FillP

Start at: 2018-06-18 08:24:38
End at: 2018-06-18 08:25:08
Local clock offset: 16.923 ms
Remote clock offset: -0.737 ms

Below is generated by plot.py at 2018-06-18 11:44:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 653.16 Mbit/s
95th percentile per-packet one-way delay: 192.074 ms
Loss rate: 8.02%
-- Flow 1:
Average throughput: 653.16 Mbit/s
95th percentile per-packet one-way delay: 192.074 ms
Loss rate: 8.02%

Run 3: Report of FillP — Data Link

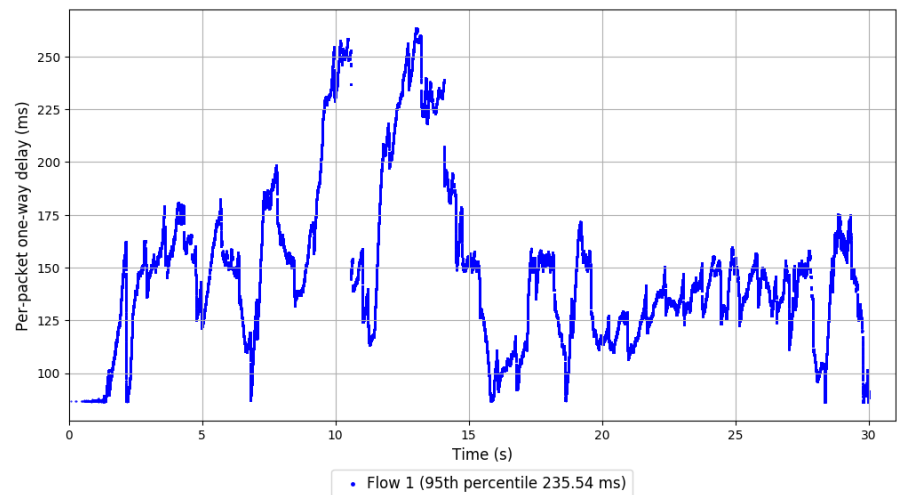
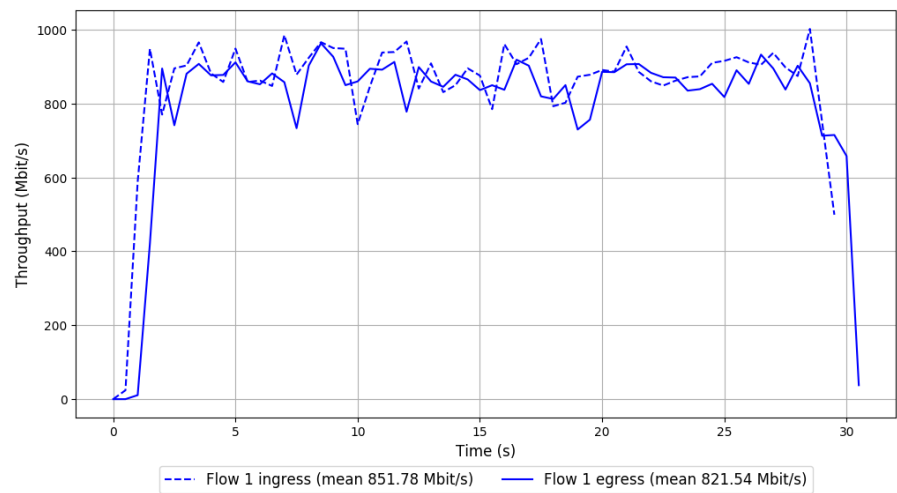


Run 4: Statistics of FillP

Start at: 2018-06-18 08:45:34
End at: 2018-06-18 08:46:04
Local clock offset: 20.298 ms
Remote clock offset: -1.045 ms

Below is generated by plot.py at 2018-06-18 11:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 821.54 Mbit/s
95th percentile per-packet one-way delay: 235.537 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 821.54 Mbit/s
95th percentile per-packet one-way delay: 235.537 ms
Loss rate: 3.55%

Run 4: Report of FillP — Data Link

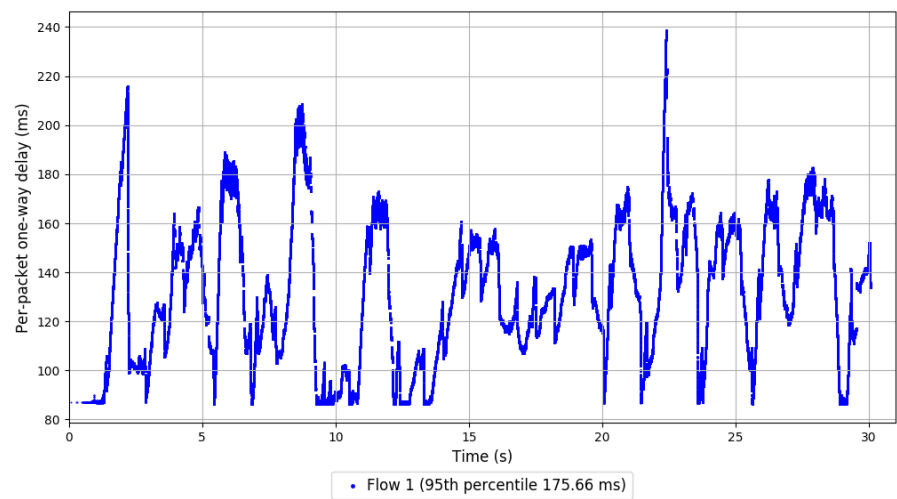
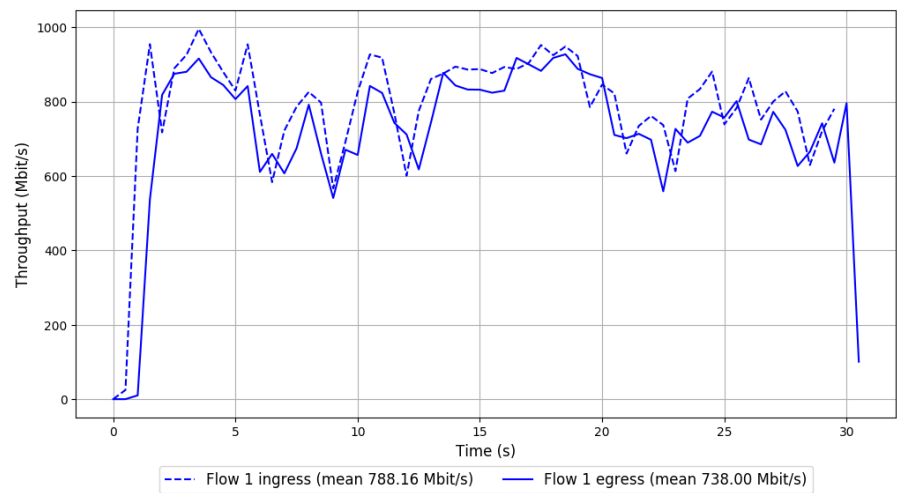


Run 5: Statistics of FillP

Start at: 2018-06-18 09:06:25
End at: 2018-06-18 09:06:55
Local clock offset: 7.504 ms
Remote clock offset: -0.014 ms

Below is generated by plot.py at 2018-06-18 11:46:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 738.00 Mbit/s
95th percentile per-packet one-way delay: 175.663 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 738.00 Mbit/s
95th percentile per-packet one-way delay: 175.663 ms
Loss rate: 6.36%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-06-18 09:27:16

End at: 2018-06-18 09:27:46

Local clock offset: 5.009 ms

Remote clock offset: 0.043 ms

Below is generated by plot.py at 2018-06-18 11:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 760.57 Mbit/s

95th percentile per-packet one-way delay: 168.002 ms

Loss rate: 5.33%

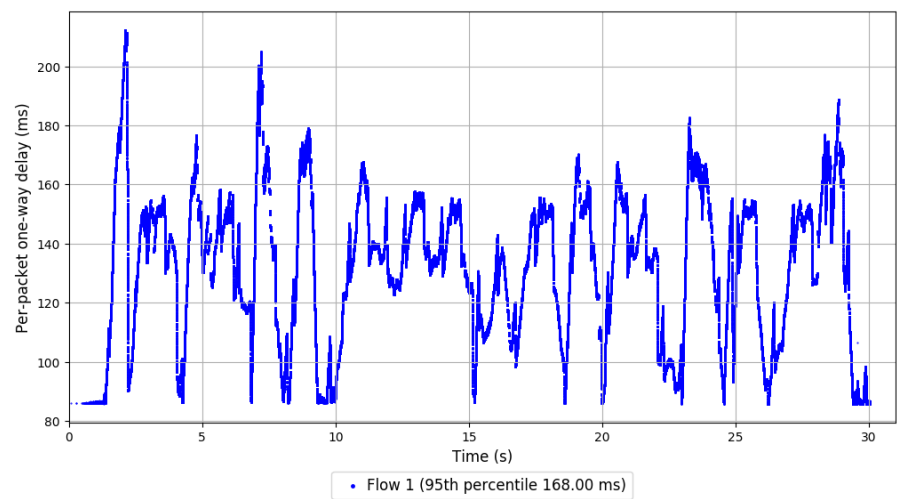
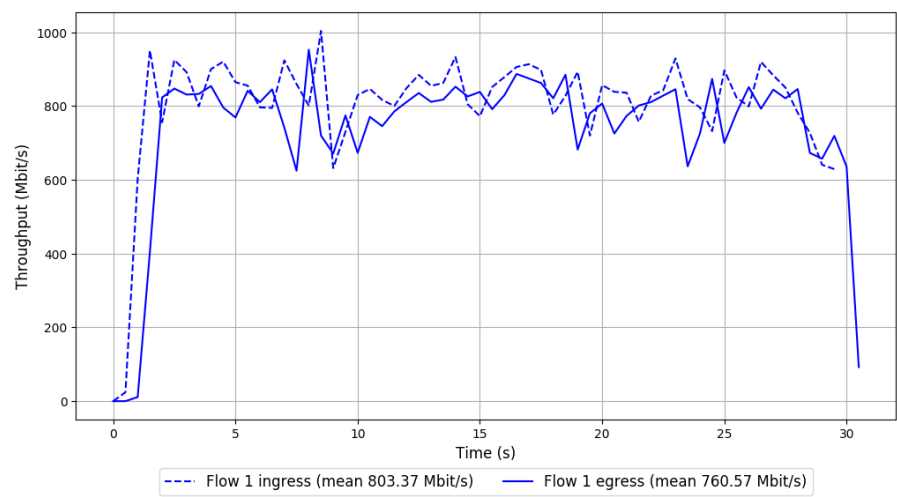
-- Flow 1:

Average throughput: 760.57 Mbit/s

95th percentile per-packet one-way delay: 168.002 ms

Loss rate: 5.33%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-06-18 09:48:08

End at: 2018-06-18 09:48:38

Local clock offset: 2.288 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at 2018-06-18 11:46:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 664.42 Mbit/s

95th percentile per-packet one-way delay: 179.385 ms

Loss rate: 5.96%

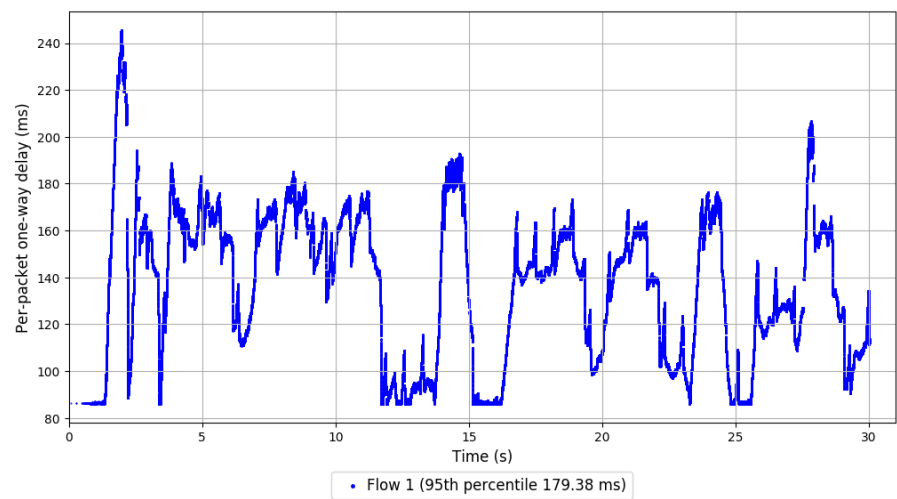
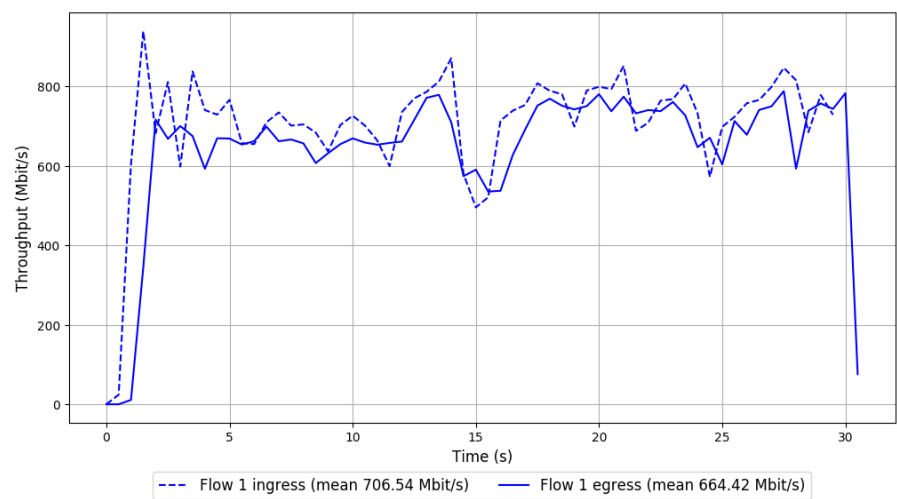
-- Flow 1:

Average throughput: 664.42 Mbit/s

95th percentile per-packet one-way delay: 179.385 ms

Loss rate: 5.96%

Run 7: Report of FillP — Data Link

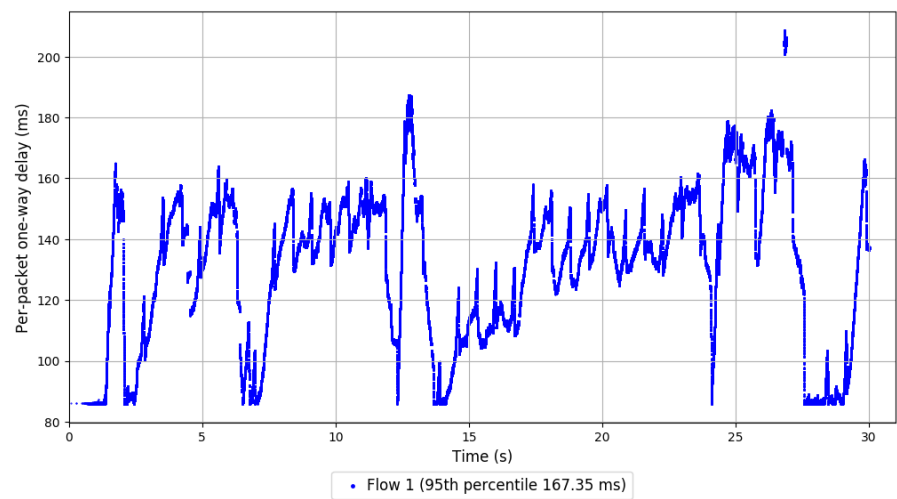
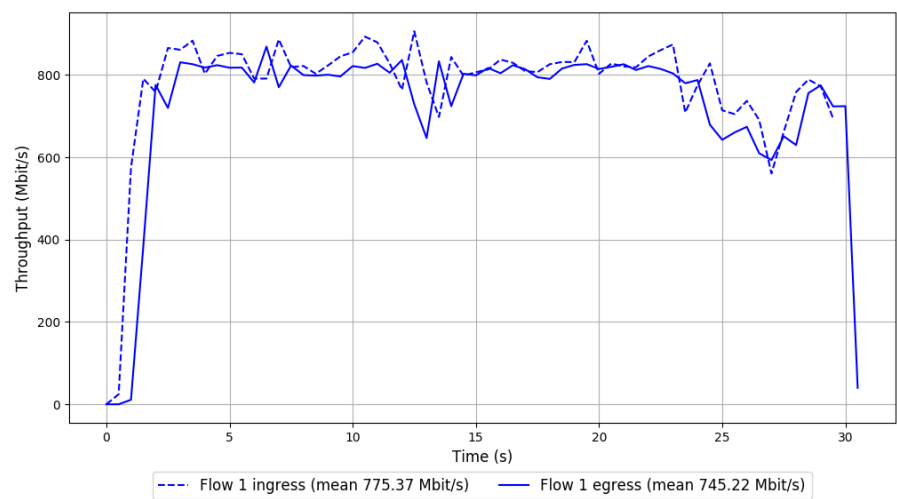


Run 8: Statistics of FillP

Start at: 2018-06-18 10:08:56
End at: 2018-06-18 10:09:26
Local clock offset: 0.922 ms
Remote clock offset: -0.096 ms

Below is generated by plot.py at 2018-06-18 11:46:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 745.22 Mbit/s
95th percentile per-packet one-way delay: 167.355 ms
Loss rate: 3.89%
-- Flow 1:
Average throughput: 745.22 Mbit/s
95th percentile per-packet one-way delay: 167.355 ms
Loss rate: 3.89%

Run 8: Report of FillP — Data Link

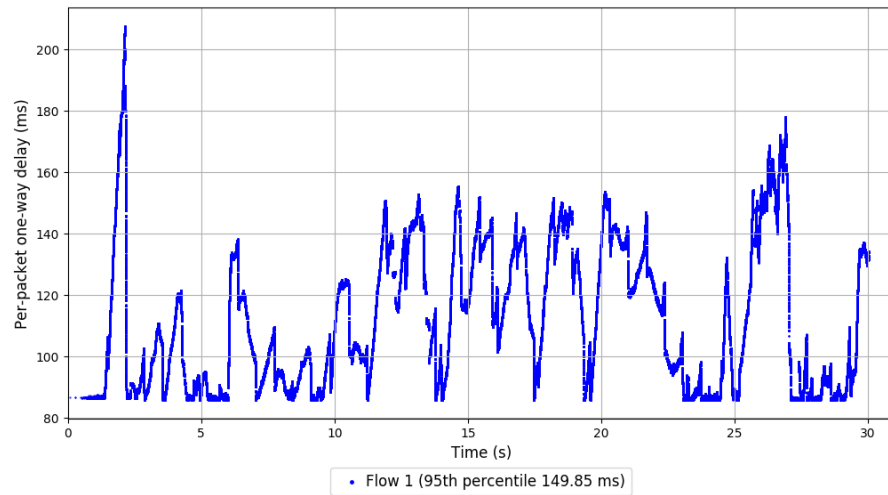
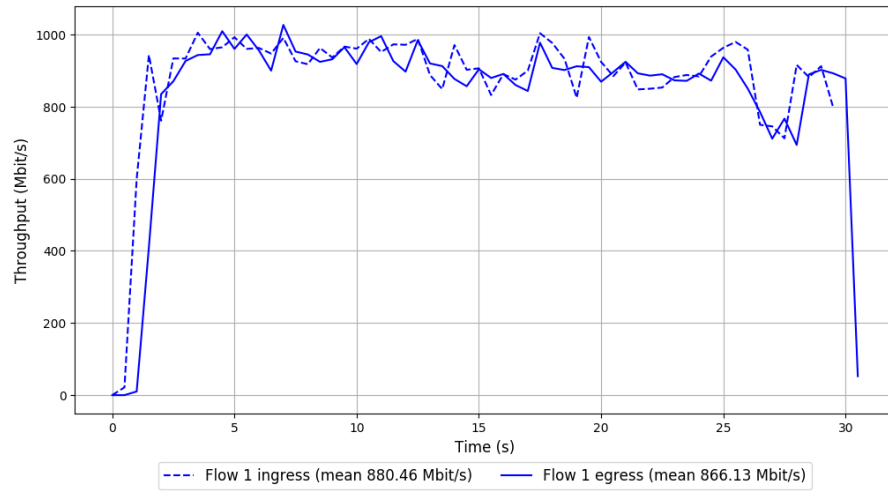


Run 9: Statistics of FillP

Start at: 2018-06-18 10:29:46
End at: 2018-06-18 10:30:16
Local clock offset: 1.172 ms
Remote clock offset: -0.011 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 866.13 Mbit/s
95th percentile per-packet one-way delay: 149.851 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 866.13 Mbit/s
95th percentile per-packet one-way delay: 149.851 ms
Loss rate: 1.63%

Run 9: Report of FillP — Data Link

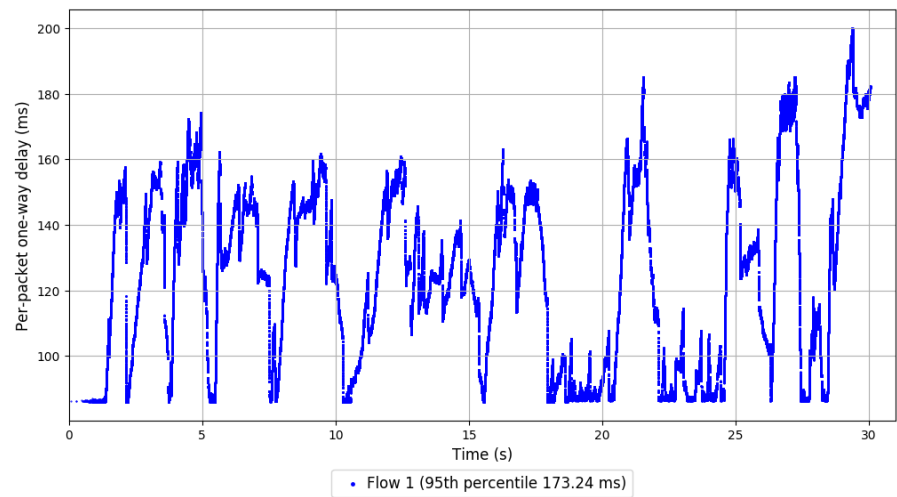
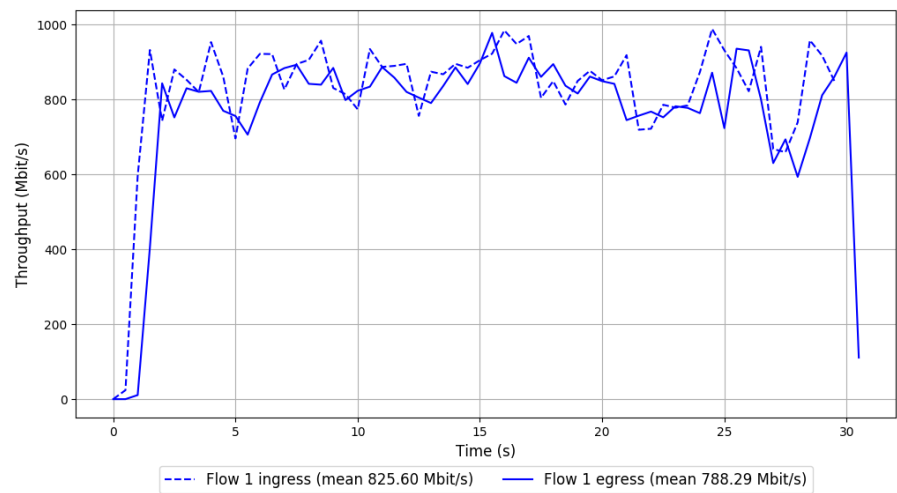


Run 10: Statistics of FillP

Start at: 2018-06-18 10:50:40
End at: 2018-06-18 10:51:10
Local clock offset: 0.606 ms
Remote clock offset: -0.087 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 788.29 Mbit/s
95th percentile per-packet one-way delay: 173.242 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 788.29 Mbit/s
95th percentile per-packet one-way delay: 173.242 ms
Loss rate: 4.52%

Run 10: Report of FillP — Data Link

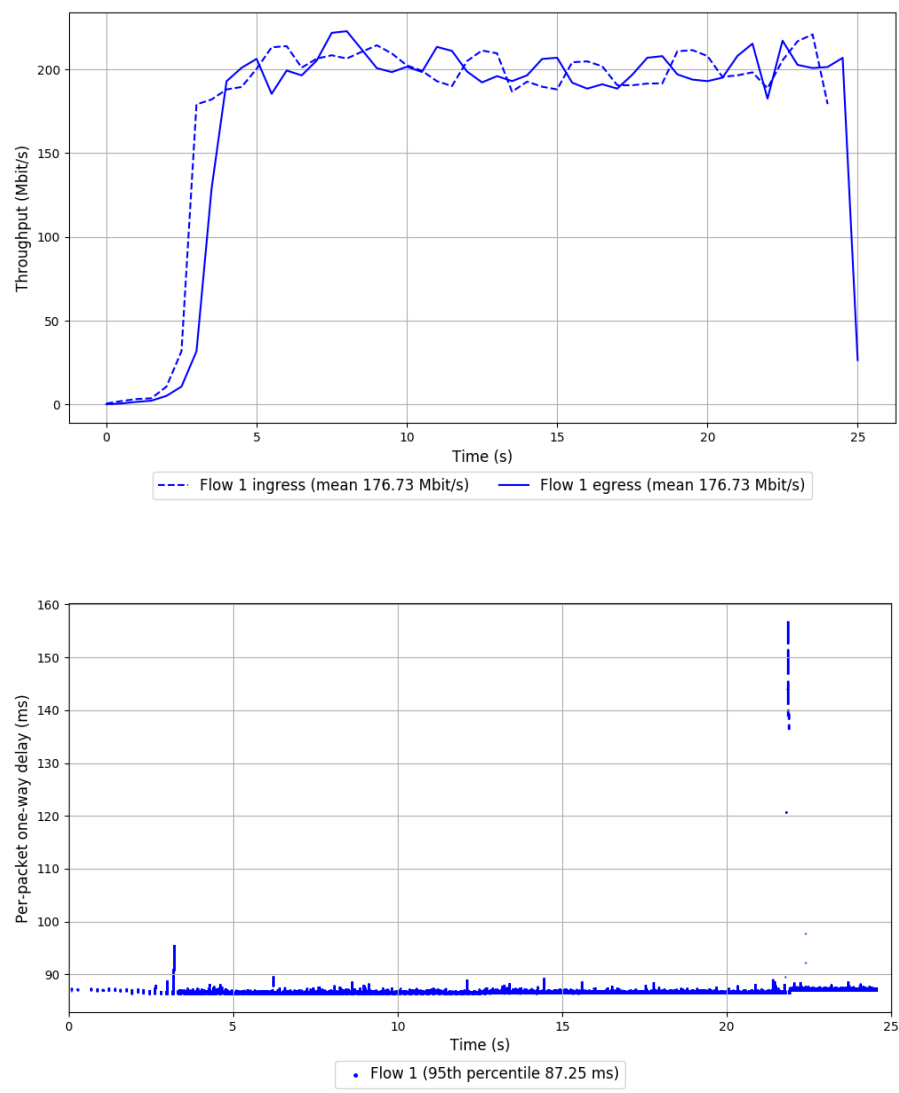


Run 1: Statistics of Indigo

Start at: 2018-06-18 07:50:51
End at: 2018-06-18 07:51:22
Local clock offset: 21.318 ms
Remote clock offset: -0.268 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 176.73 Mbit/s
95th percentile per-packet one-way delay: 87.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 176.73 Mbit/s
95th percentile per-packet one-way delay: 87.252 ms
Loss rate: 0.00%

Run 1: Report of Indigo — Data Link

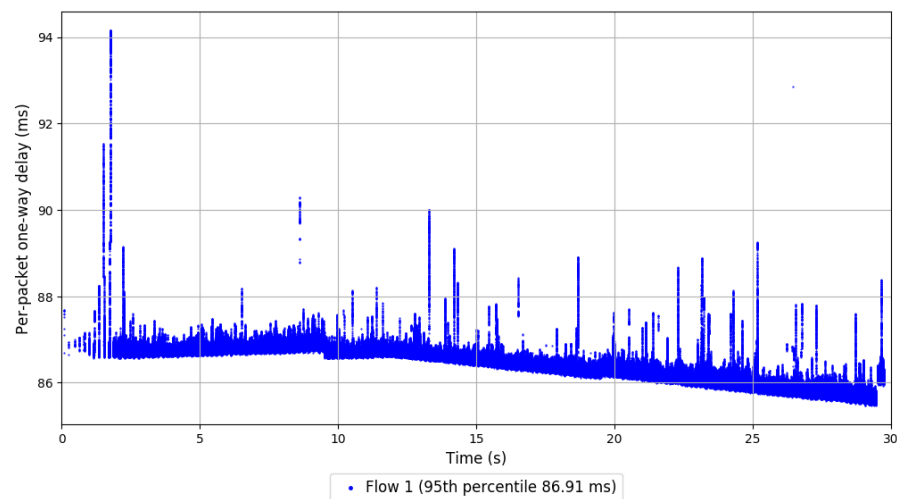
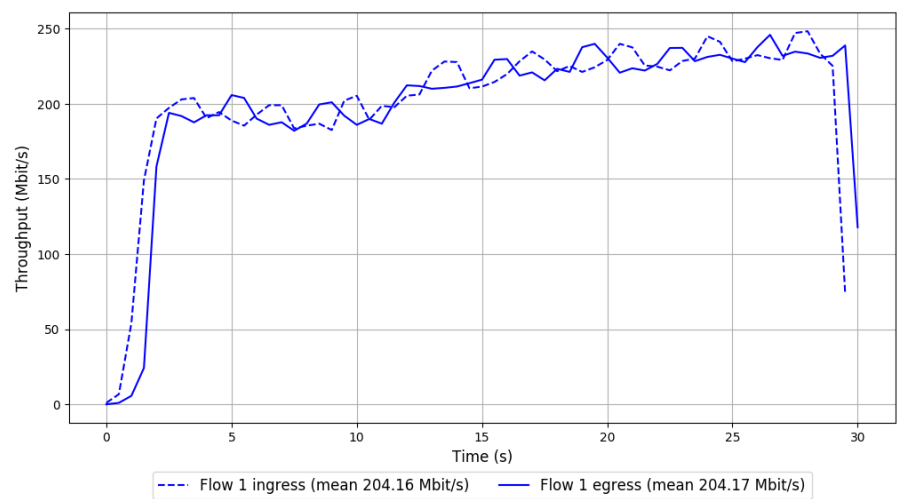


Run 2: Statistics of Indigo

Start at: 2018-06-18 08:11:39
End at: 2018-06-18 08:12:09
Local clock offset: 40.552 ms
Remote clock offset: -0.527 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.17 Mbit/s
95th percentile per-packet one-way delay: 86.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.17 Mbit/s
95th percentile per-packet one-way delay: 86.910 ms
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

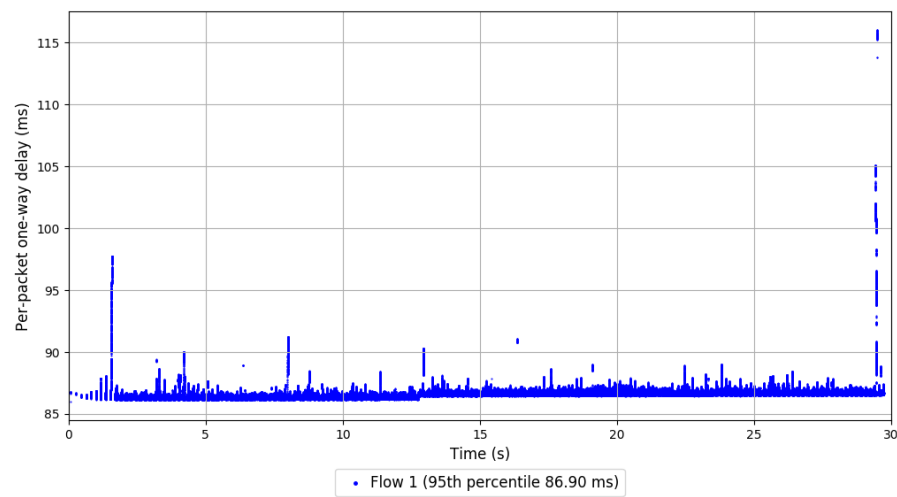
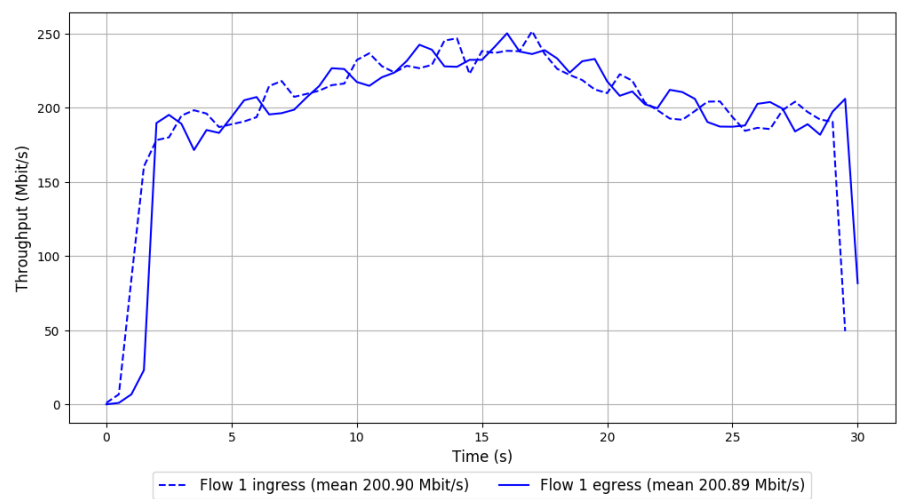


Run 3: Statistics of Indigo

Start at: 2018-06-18 08:32:26
End at: 2018-06-18 08:32:56
Local clock offset: 15.751 ms
Remote clock offset: -0.882 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.89 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.89 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 0.00%

Run 3: Report of Indigo — Data Link

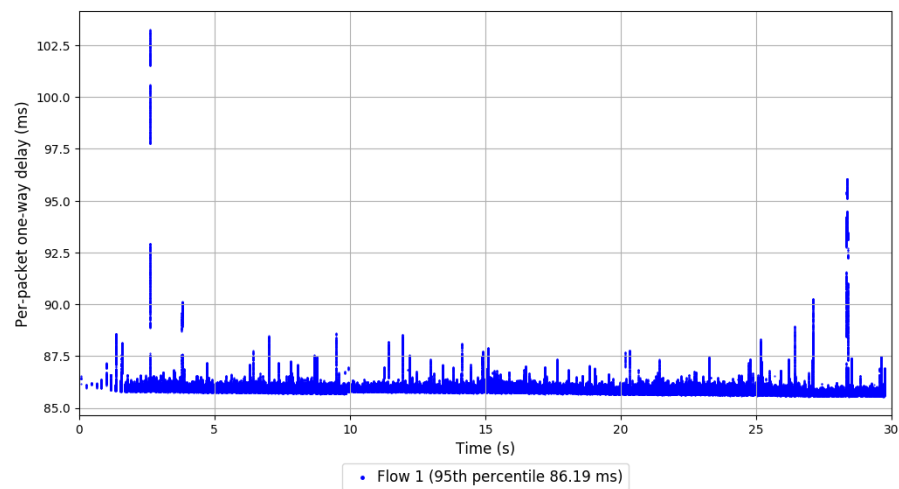
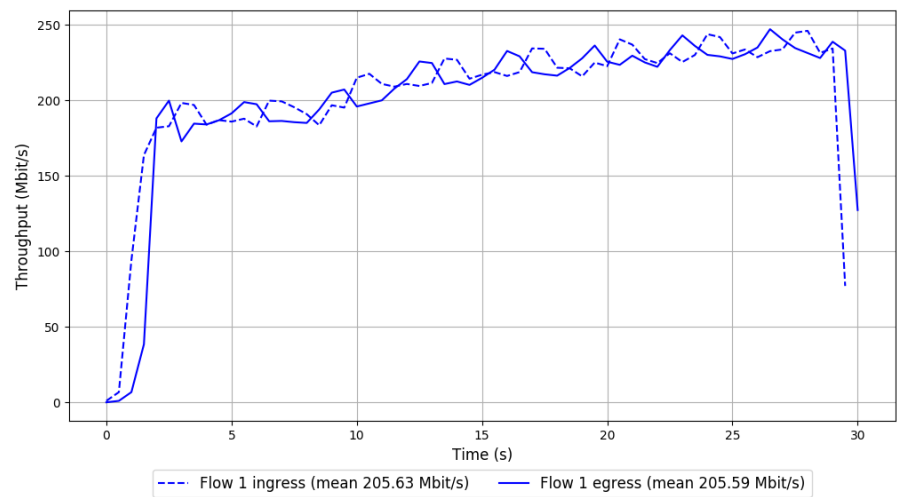


Run 4: Statistics of Indigo

Start at: 2018-06-18 08:53:29
End at: 2018-06-18 08:53:59
Local clock offset: 10.959 ms
Remote clock offset: -0.412 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 205.59 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 205.59 Mbit/s
95th percentile per-packet one-way delay: 86.187 ms
Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2018-06-18 09:14:16

End at: 2018-06-18 09:14:46

Local clock offset: 8.636 ms

Remote clock offset: 0.056 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.72 Mbit/s

95th percentile per-packet one-way delay: 87.113 ms

Loss rate: 0.00%

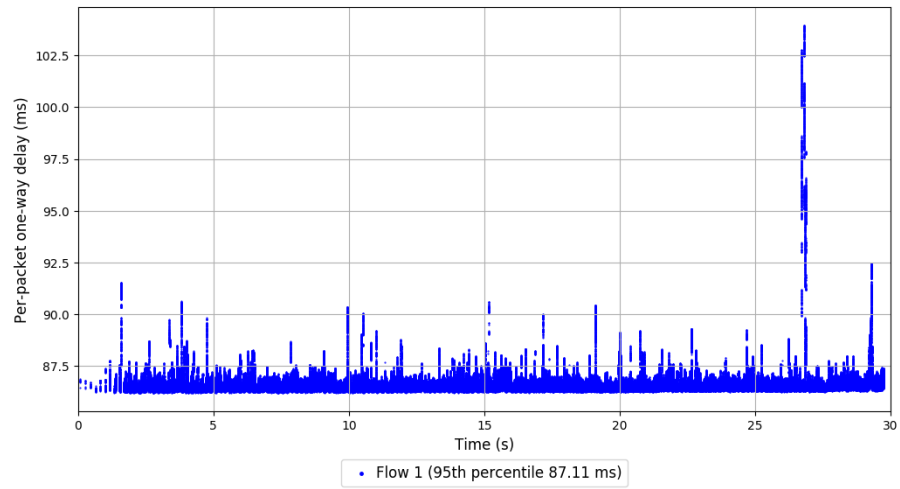
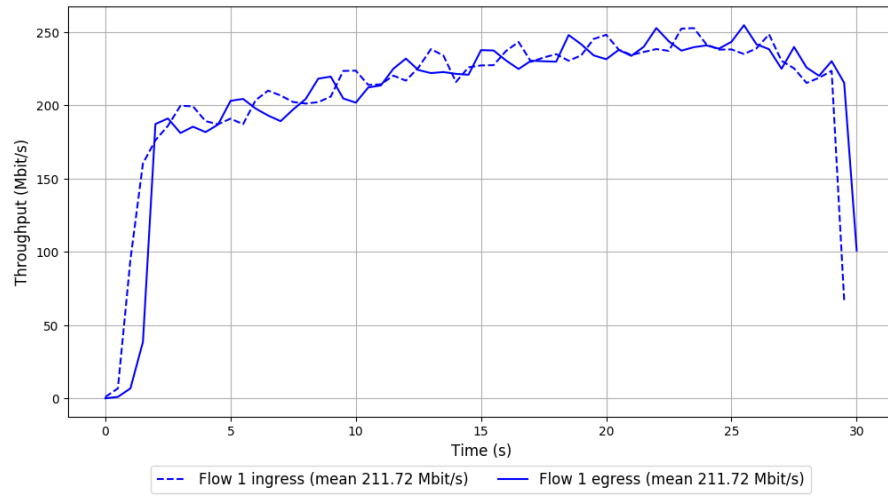
-- Flow 1:

Average throughput: 211.72 Mbit/s

95th percentile per-packet one-way delay: 87.113 ms

Loss rate: 0.00%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2018-06-18 09:35:07

End at: 2018-06-18 09:35:37

Local clock offset: 2.711 ms

Remote clock offset: -0.0 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.98 Mbit/s

95th percentile per-packet one-way delay: 86.924 ms

Loss rate: 0.17%

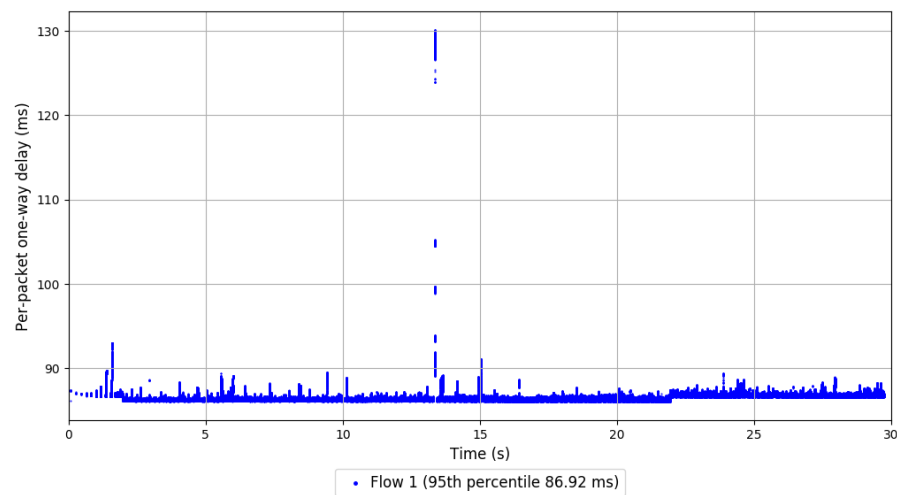
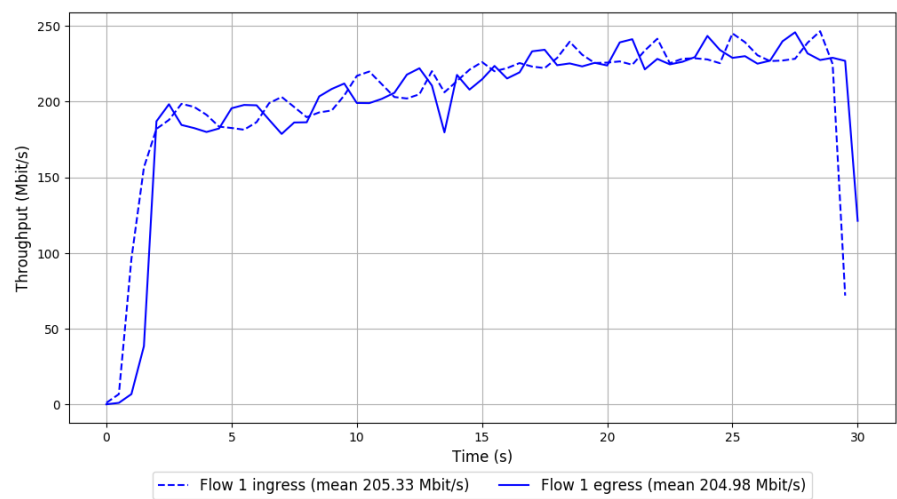
-- Flow 1:

Average throughput: 204.98 Mbit/s

95th percentile per-packet one-way delay: 86.924 ms

Loss rate: 0.17%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-18 09:55:53

End at: 2018-06-18 09:56:23

Local clock offset: 2.029 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 197.75 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

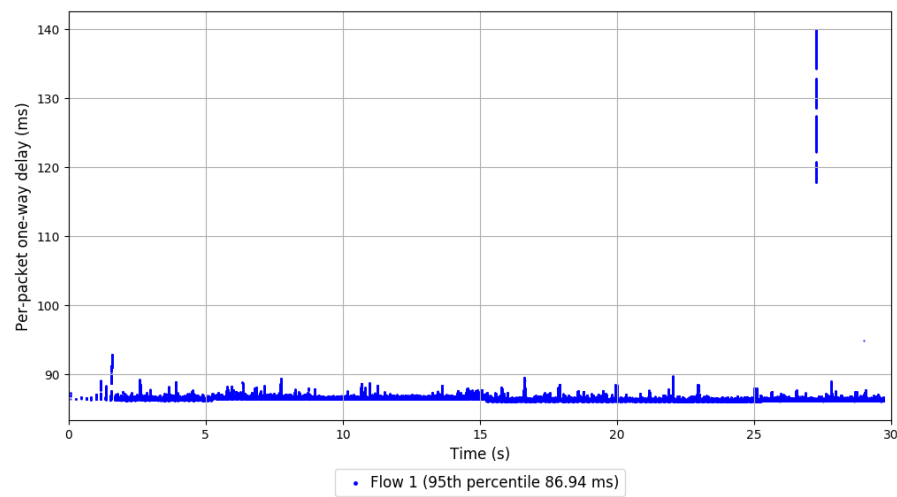
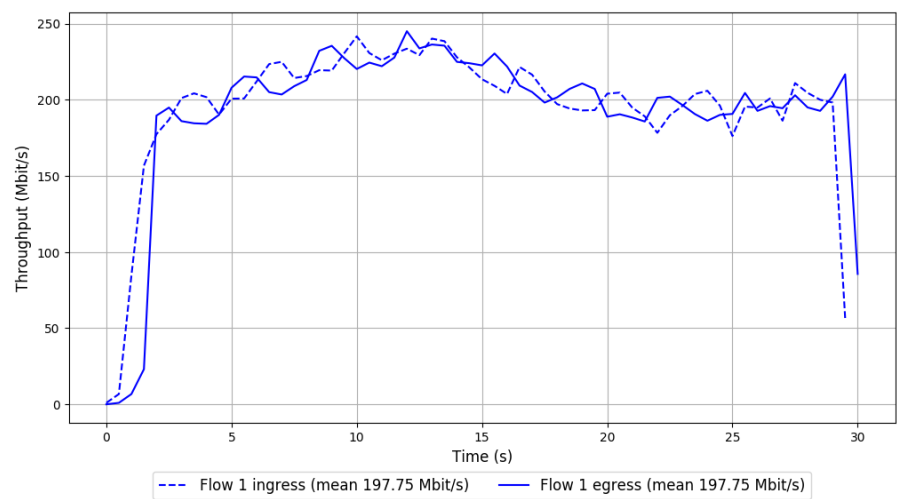
-- Flow 1:

Average throughput: 197.75 Mbit/s

95th percentile per-packet one-way delay: 86.945 ms

Loss rate: 0.00%

Run 7: Report of Indigo — Data Link

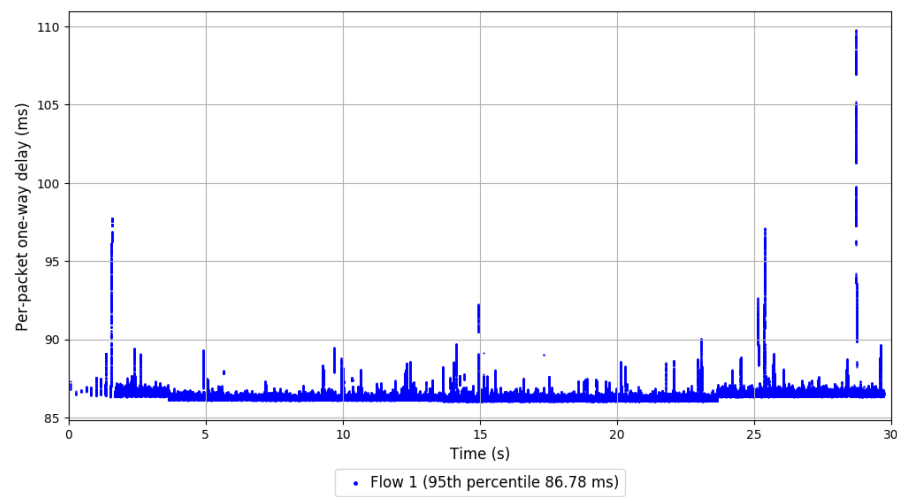
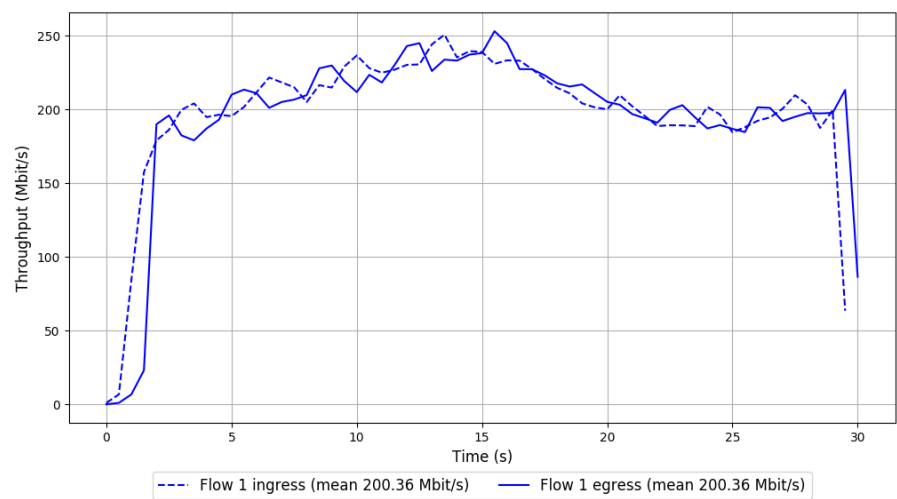


Run 8: Statistics of Indigo

Start at: 2018-06-18 10:16:45
End at: 2018-06-18 10:17:15
Local clock offset: 0.737 ms
Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 200.36 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.36 Mbit/s
95th percentile per-packet one-way delay: 86.778 ms
Loss rate: 0.00%

Run 8: Report of Indigo — Data Link

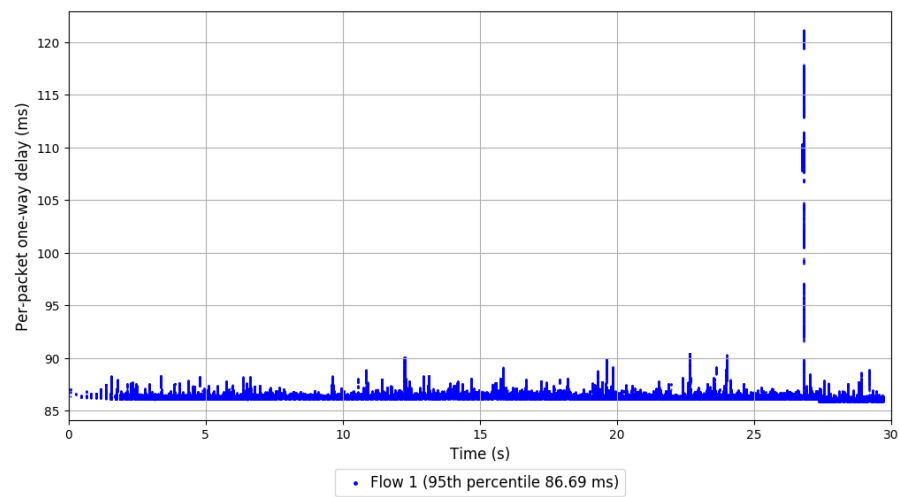
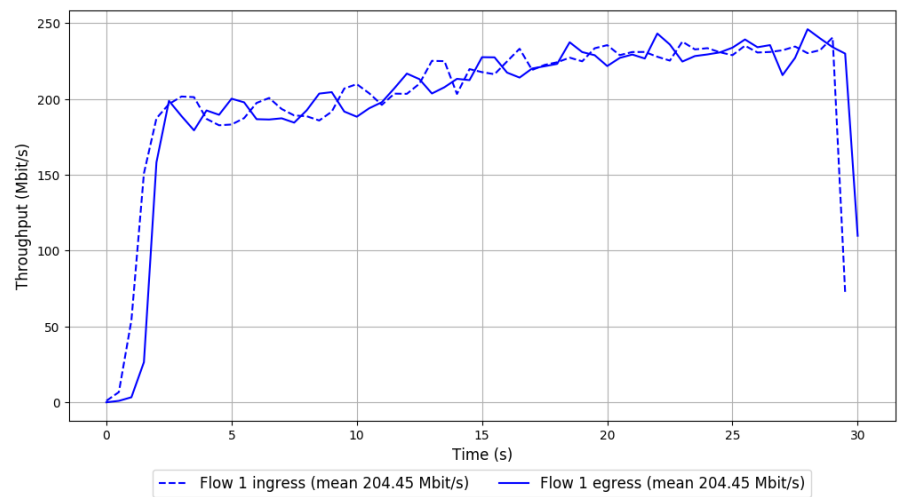


Run 9: Statistics of Indigo

Start at: 2018-06-18 10:37:41
End at: 2018-06-18 10:38:11
Local clock offset: 0.58 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 204.45 Mbit/s
95th percentile per-packet one-way delay: 86.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.45 Mbit/s
95th percentile per-packet one-way delay: 86.694 ms
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-06-18 10:58:30

End at: 2018-06-18 10:59:00

Local clock offset: 0.603 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.26 Mbit/s

95th percentile per-packet one-way delay: 86.995 ms

Loss rate: 0.00%

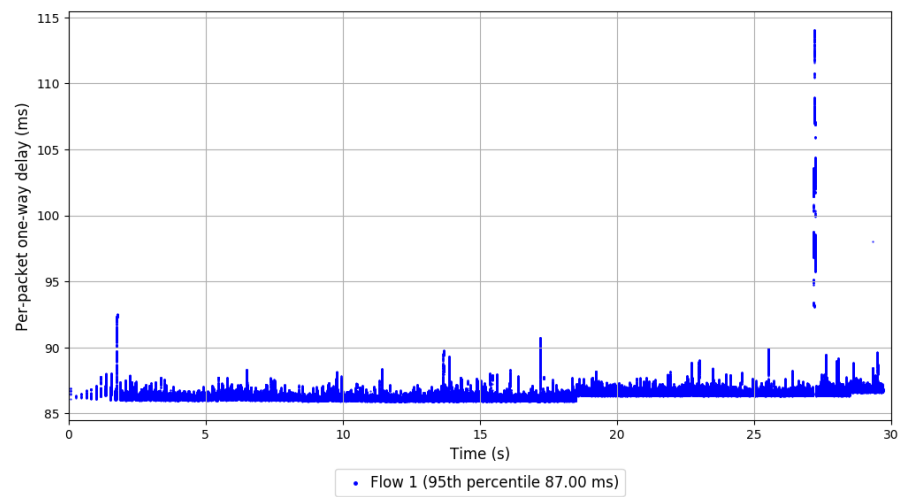
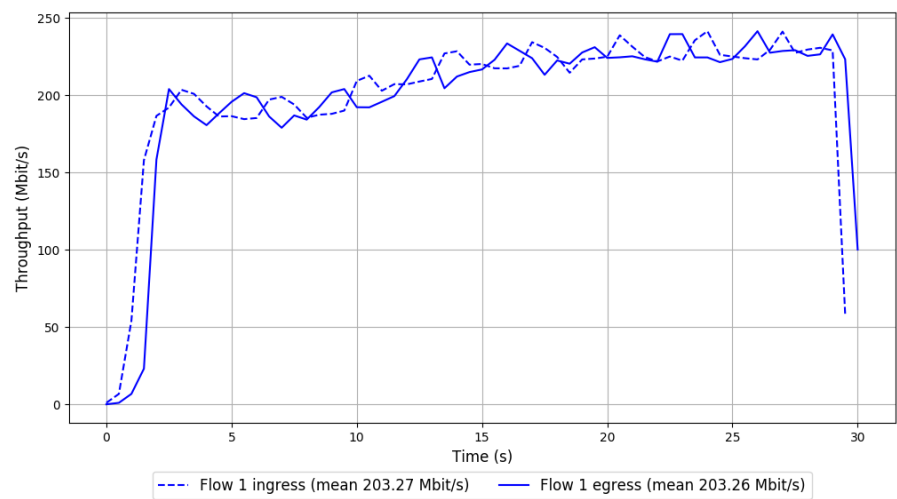
-- Flow 1:

Average throughput: 203.26 Mbit/s

95th percentile per-packet one-way delay: 86.995 ms

Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

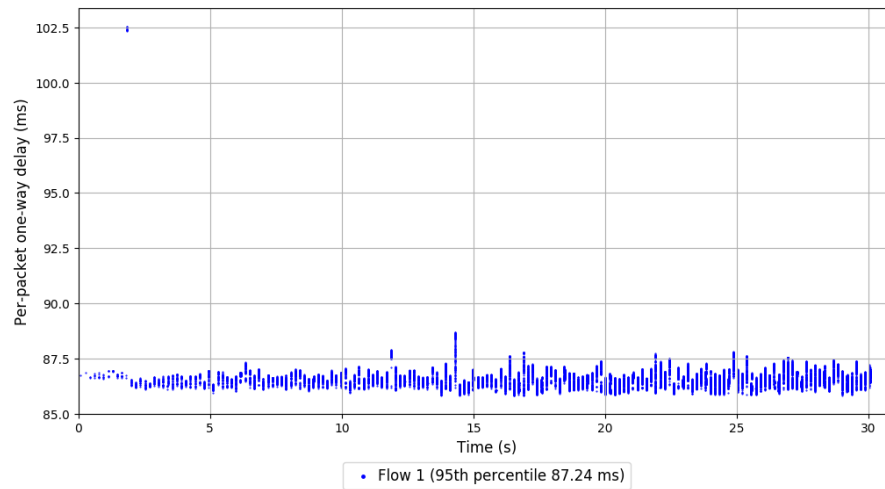
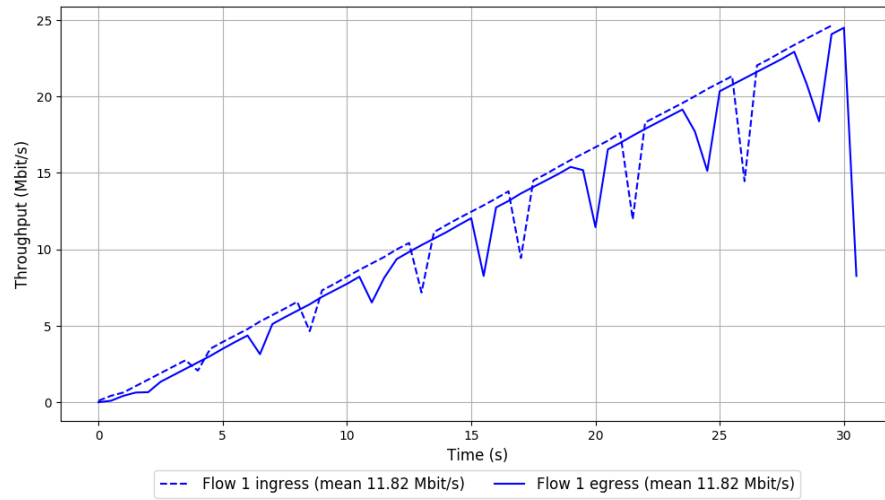


Run 1: Statistics of LEDBAT

Start at: 2018-06-18 07:44:37
End at: 2018-06-18 07:45:07
Local clock offset: 20.533 ms
Remote clock offset: -0.325 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 87.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 87.240 ms
Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link

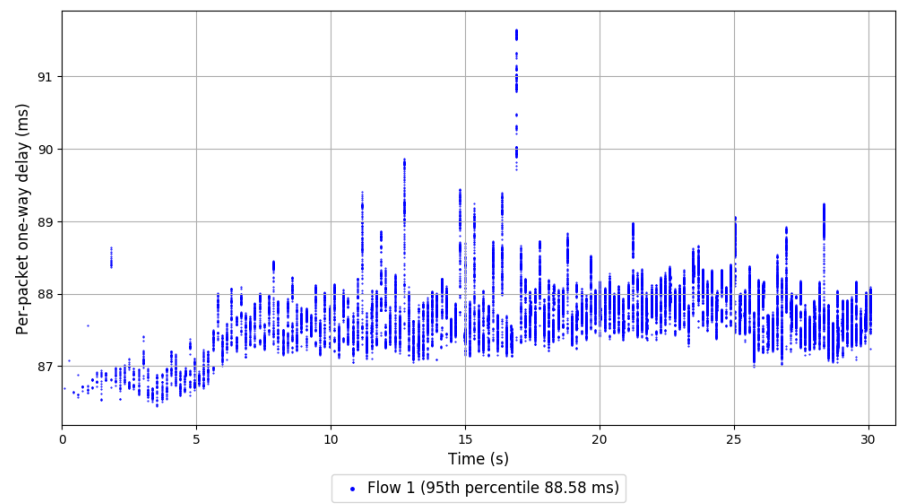
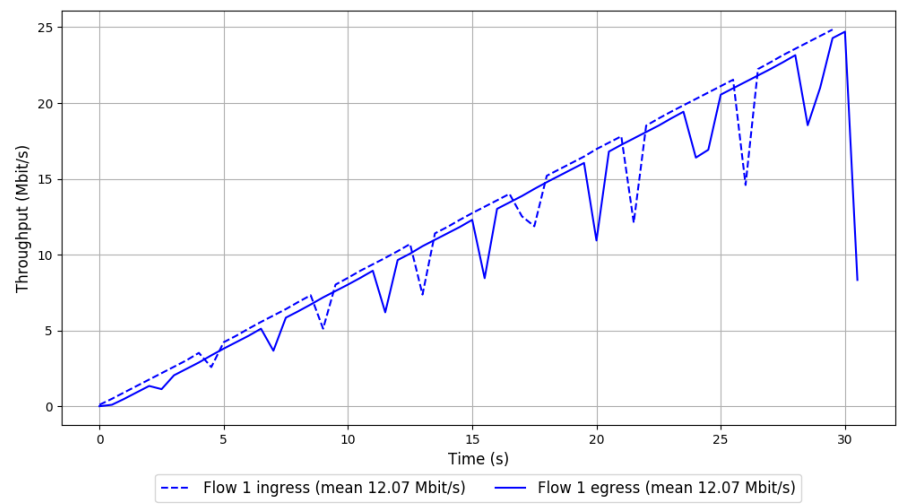


Run 2: Statistics of LEDBAT

Start at: 2018-06-18 08:05:23
End at: 2018-06-18 08:05:53
Local clock offset: 33.704 ms
Remote clock offset: -0.443 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 88.585 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 88.585 ms
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link

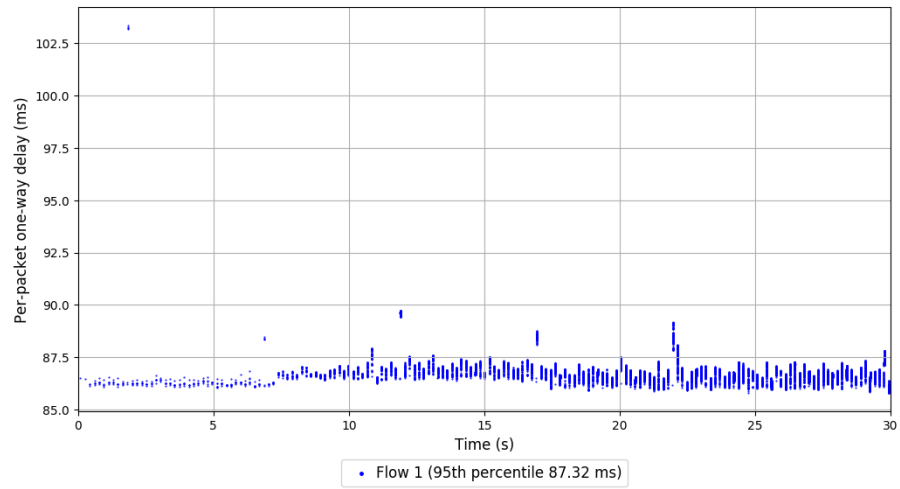
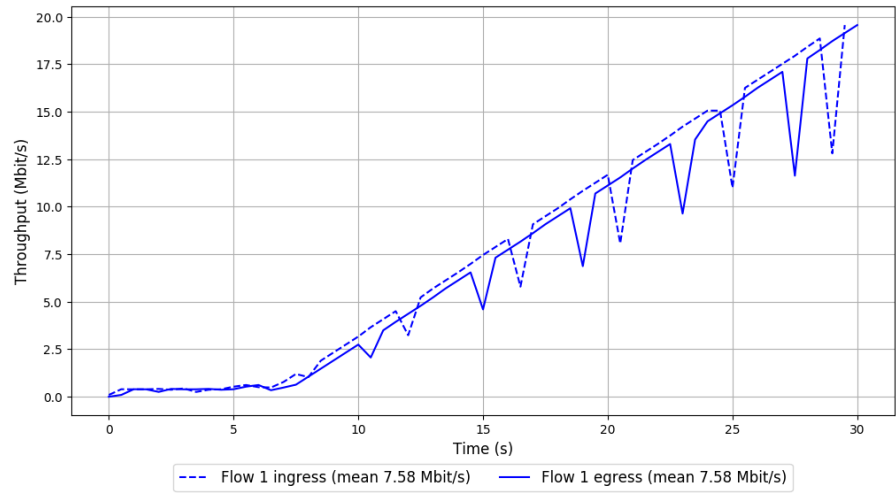


Run 3: Statistics of LEDBAT

Start at: 2018-06-18 08:26:12
End at: 2018-06-18 08:26:42
Local clock offset: 16.273 ms
Remote clock offset: -0.787 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 87.318 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 87.318 ms
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

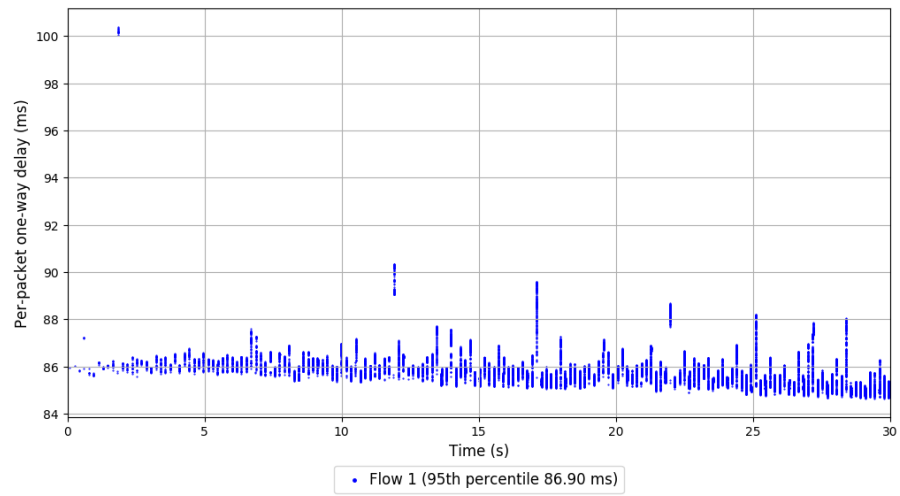
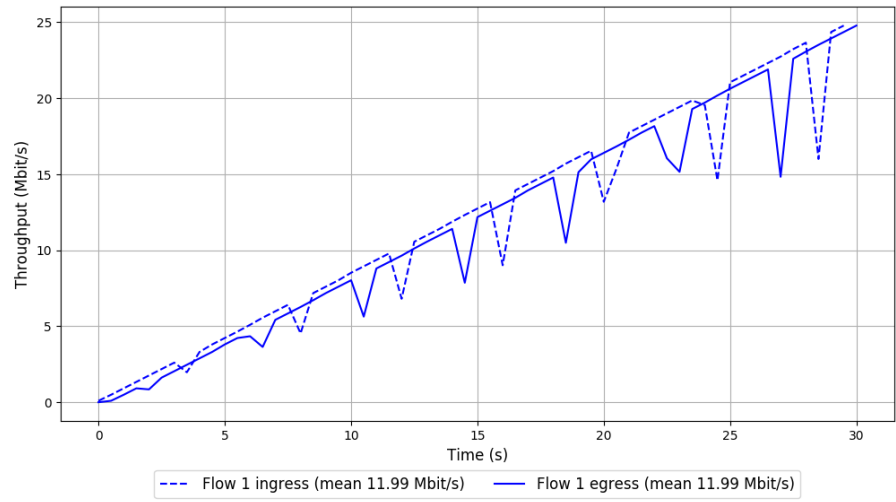


Run 4: Statistics of LEDBAT

Start at: 2018-06-18 08:47:14
End at: 2018-06-18 08:47:44
Local clock offset: 18.826 ms
Remote clock offset: -0.934 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 86.900 ms
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

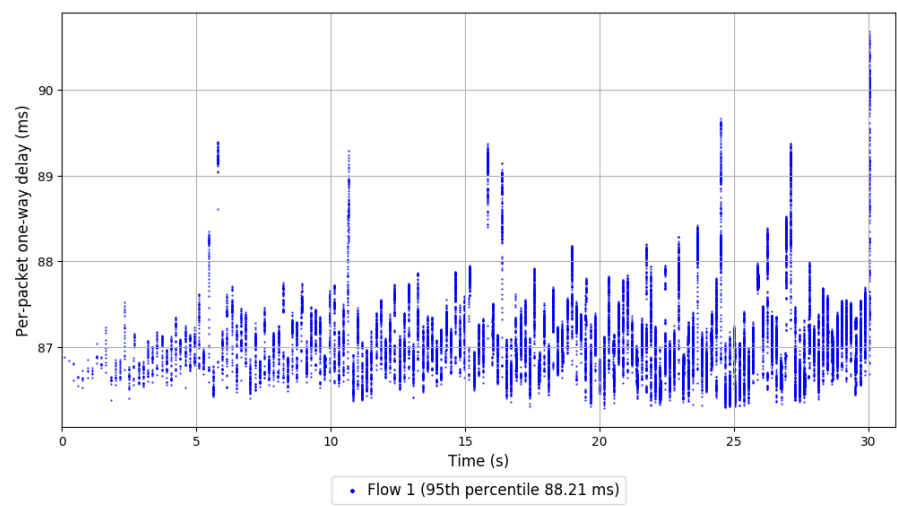
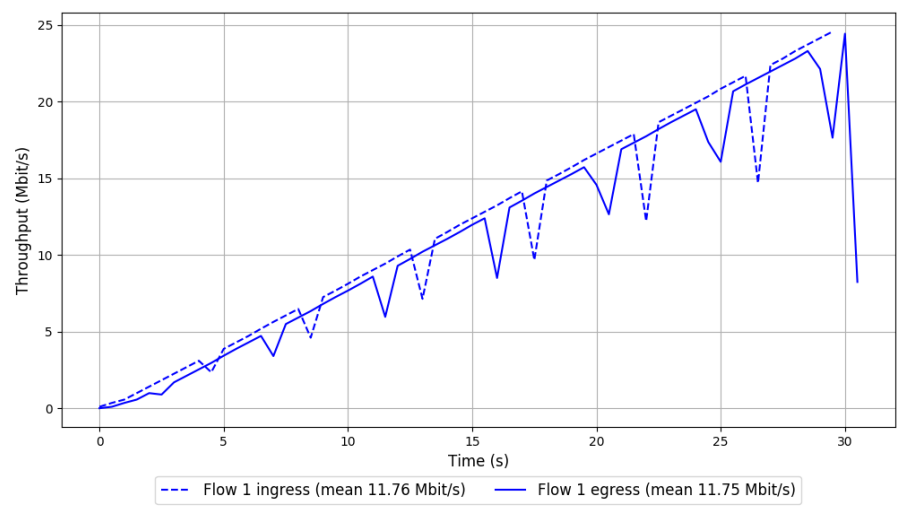


Run 5: Statistics of LEDBAT

Start at: 2018-06-18 09:08:02
End at: 2018-06-18 09:08:32
Local clock offset: 7.577 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 88.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 88.209 ms
Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-06-18 09:28:54

End at: 2018-06-18 09:29:24

Local clock offset: 4.027 ms

Remote clock offset: 0.062 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.903 ms

Loss rate: 0.00%

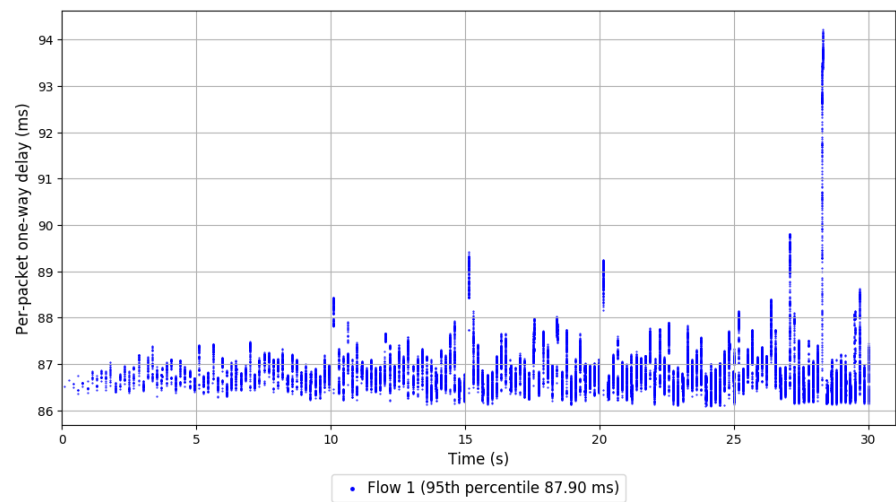
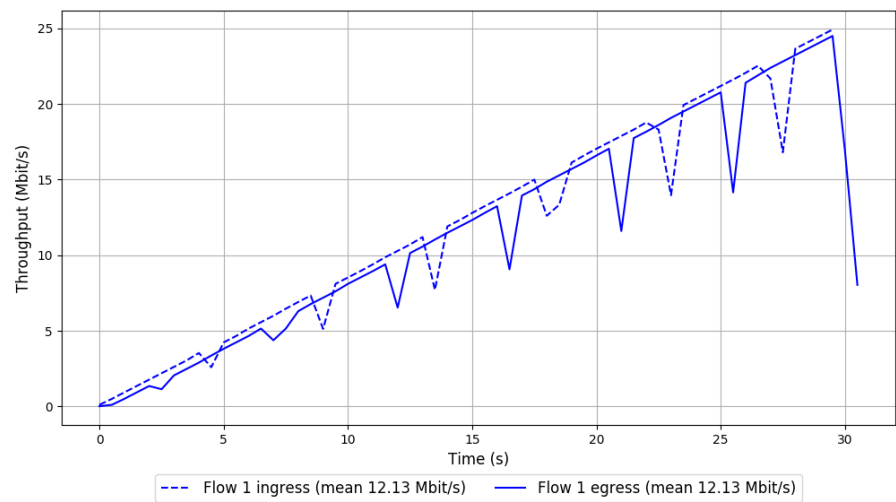
-- Flow 1:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 87.903 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-06-18 09:49:42

End at: 2018-06-18 09:50:12

Local clock offset: 2.159 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 87.735 ms

Loss rate: 0.00%

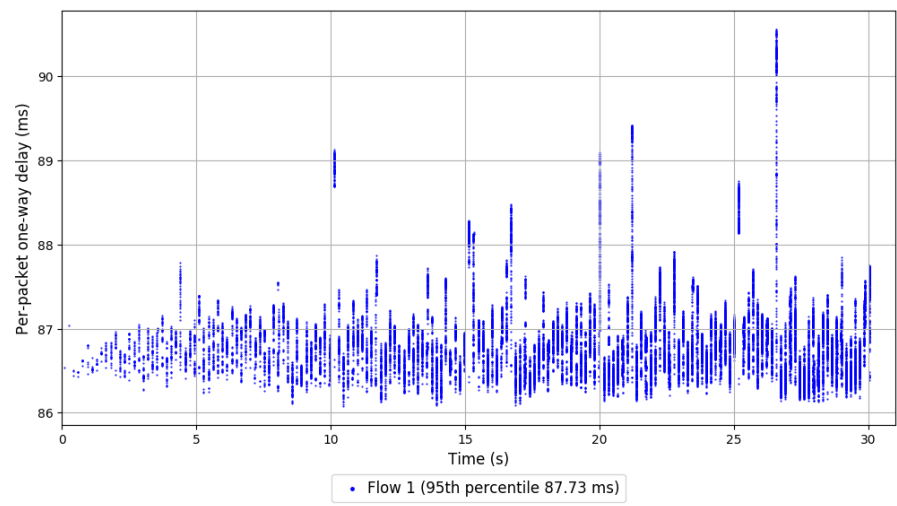
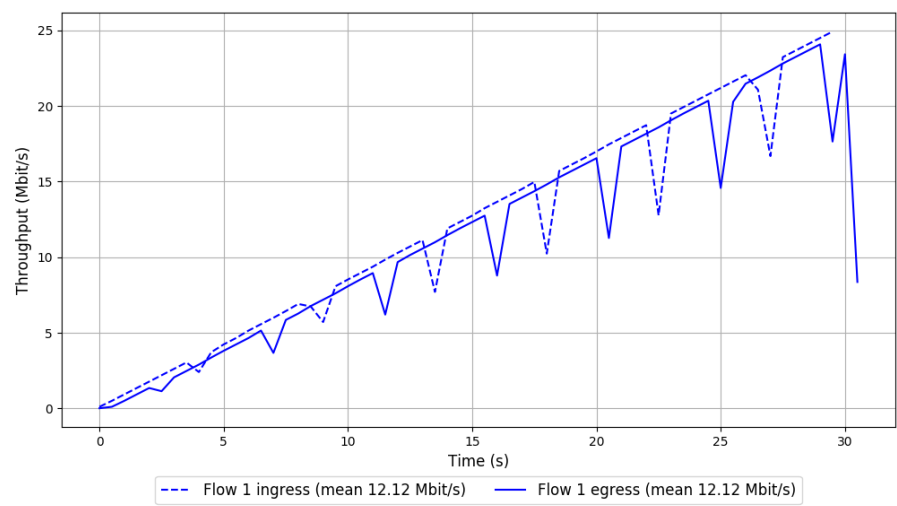
-- Flow 1:

Average throughput: 12.12 Mbit/s

95th percentile per-packet one-way delay: 87.735 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-06-18 10:10:33

End at: 2018-06-18 10:11:03

Local clock offset: 0.88 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.00%

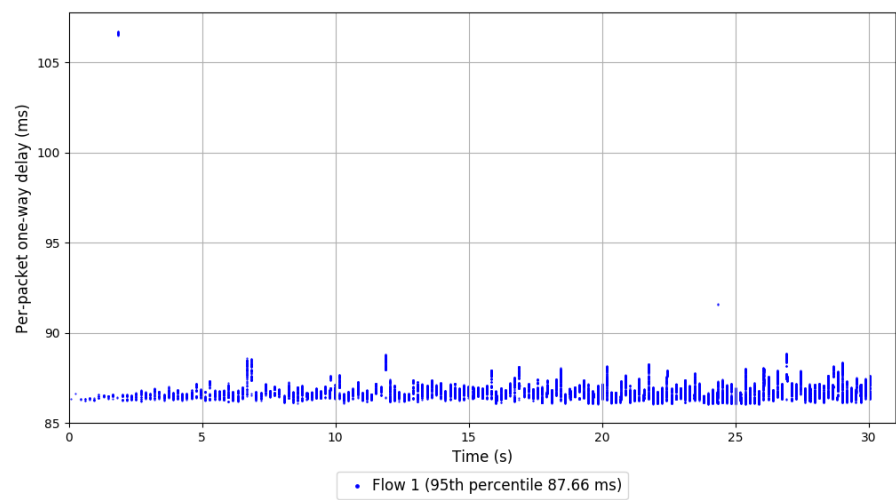
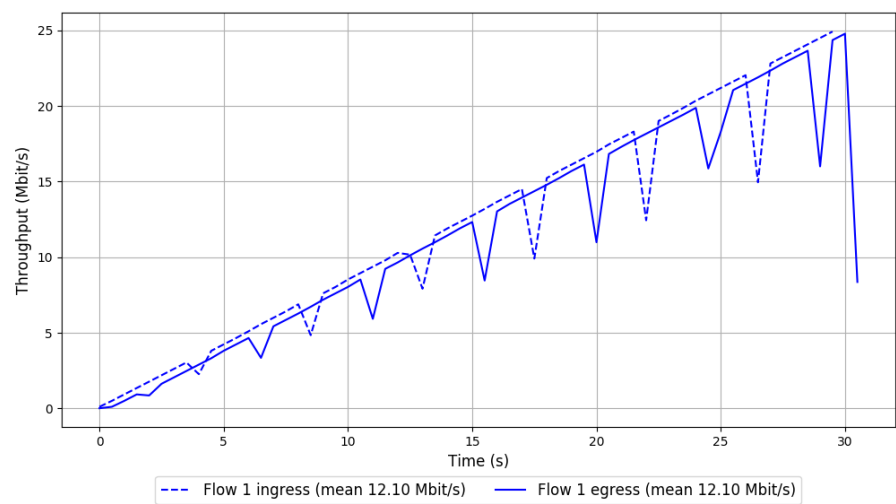
-- Flow 1:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link

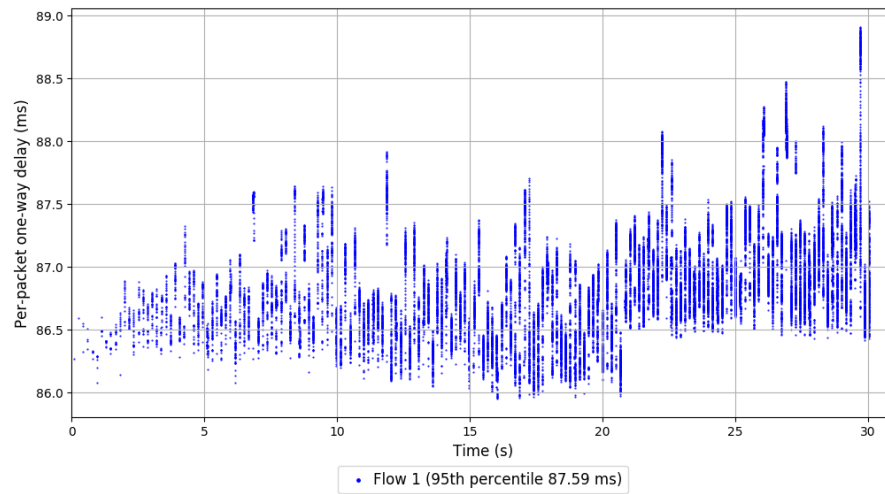
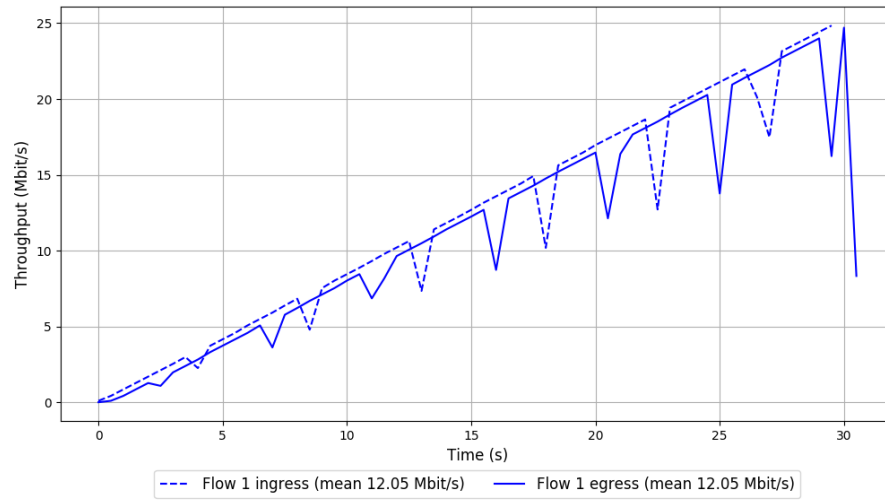


Run 9: Statistics of LEDBAT

Start at: 2018-06-18 10:31:28
End at: 2018-06-18 10:31:58
Local clock offset: 0.844 ms
Remote clock offset: -0.051 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.05 Mbit/s
95th percentile per-packet one-way delay: 87.591 ms
Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link

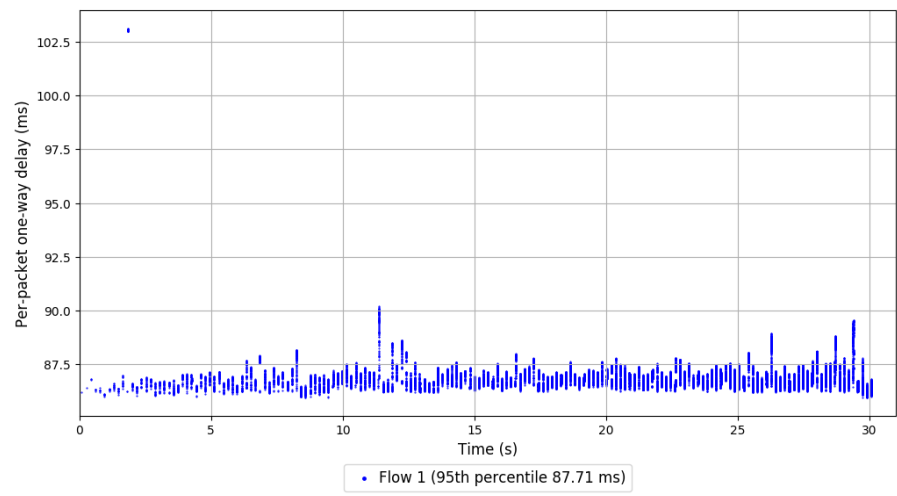
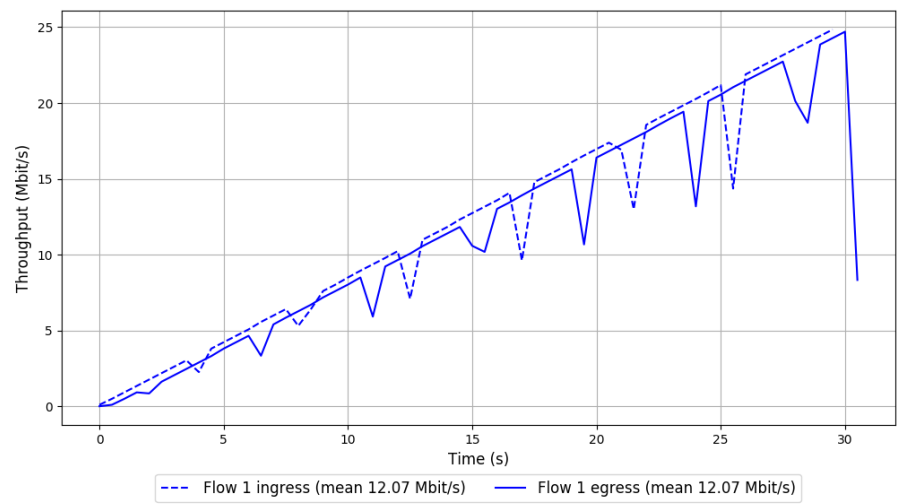


Run 10: Statistics of LEDBAT

Start at: 2018-06-18 10:52:19
End at: 2018-06-18 10:52:49
Local clock offset: 0.679 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 87.714 ms
Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-06-18 07:45:45

End at: 2018-06-18 07:46:15

Local clock offset: 20.521 ms

Remote clock offset: -0.286 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 528.32 Mbit/s

95th percentile per-packet one-way delay: 155.571 ms

Loss rate: 0.73%

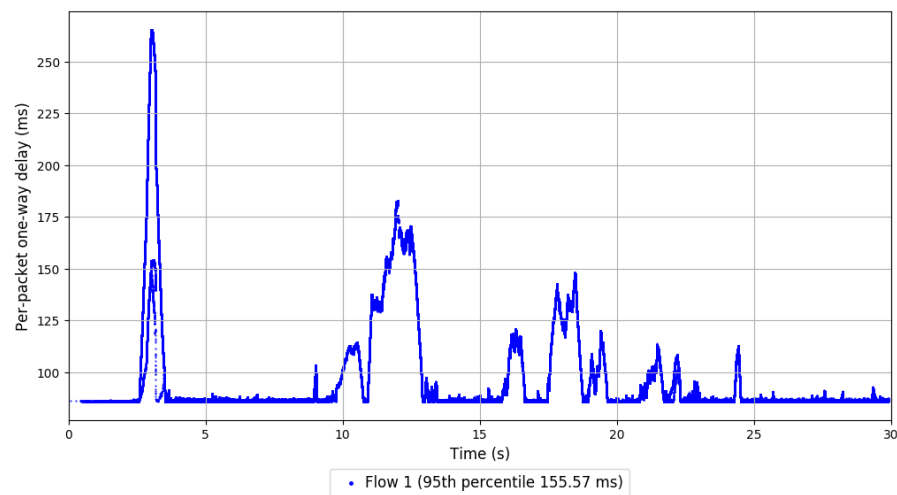
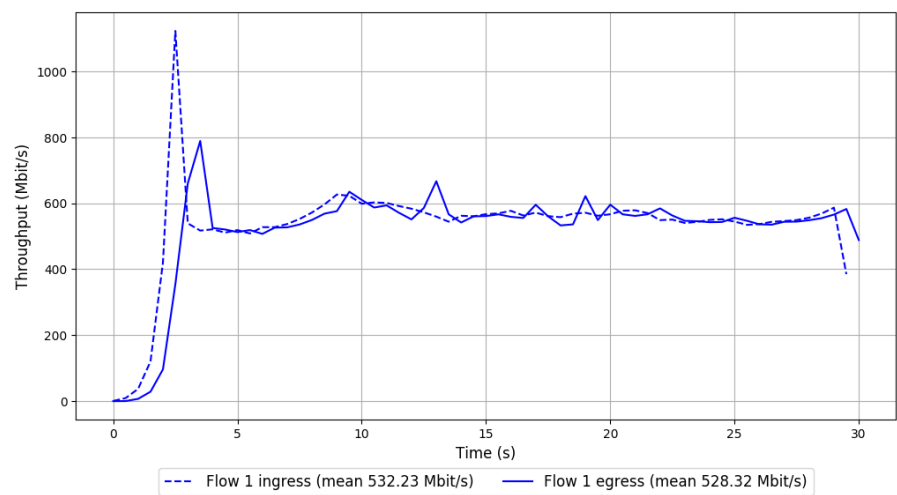
-- Flow 1:

Average throughput: 528.32 Mbit/s

95th percentile per-packet one-way delay: 155.571 ms

Loss rate: 0.73%

Run 1: Report of PCC-Allegro — Data Link

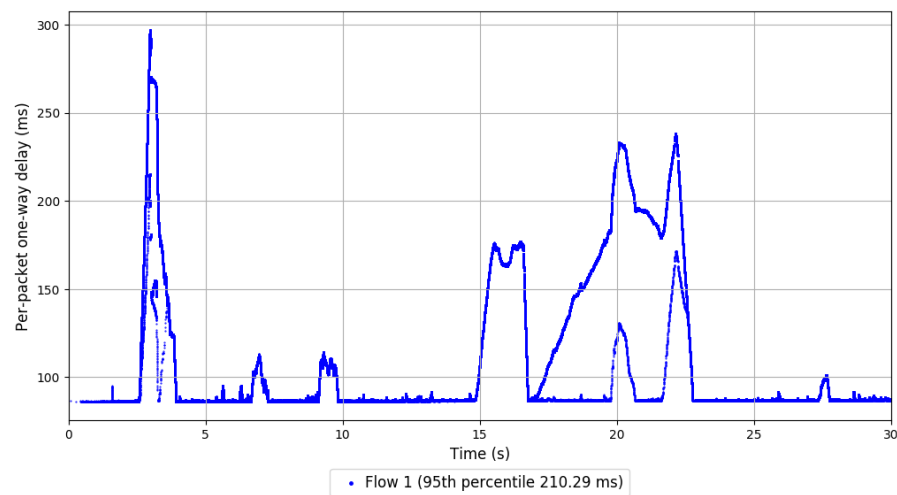
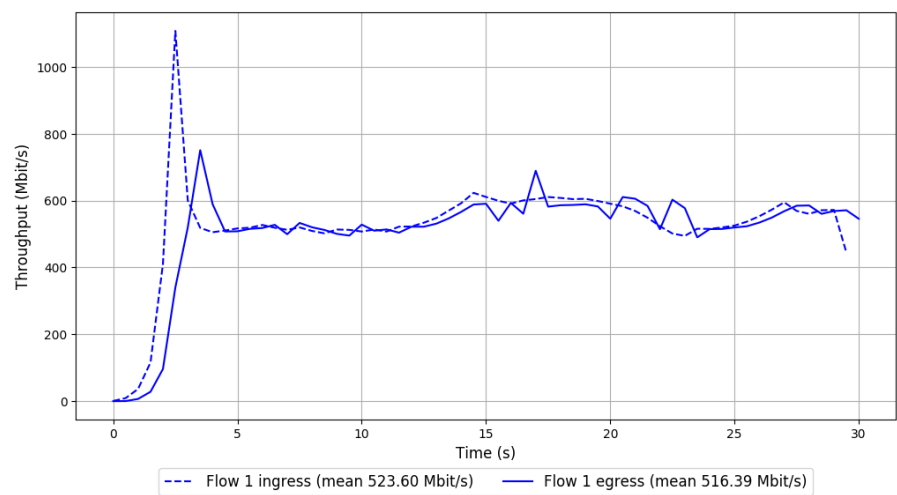


Run 2: Statistics of PCC-Allegro

Start at: 2018-06-18 08:06:31
End at: 2018-06-18 08:07:01
Local clock offset: 35.155 ms
Remote clock offset: -0.465 ms

Below is generated by plot.py at 2018-06-18 12:00:07
Datalink statistics
-- Total of 1 flow:
Average throughput: 516.39 Mbit/s
95th percentile per-packet one-way delay: 210.288 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 516.39 Mbit/s
95th percentile per-packet one-way delay: 210.288 ms
Loss rate: 1.37%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-06-18 08:27:19

End at: 2018-06-18 08:27:49

Local clock offset: 15.901 ms

Remote clock offset: -0.78 ms

Below is generated by plot.py at 2018-06-18 12:00:07

Datalink statistics

-- Total of 1 flow:

Average throughput: 532.73 Mbit/s

95th percentile per-packet one-way delay: 235.754 ms

Loss rate: 5.11%

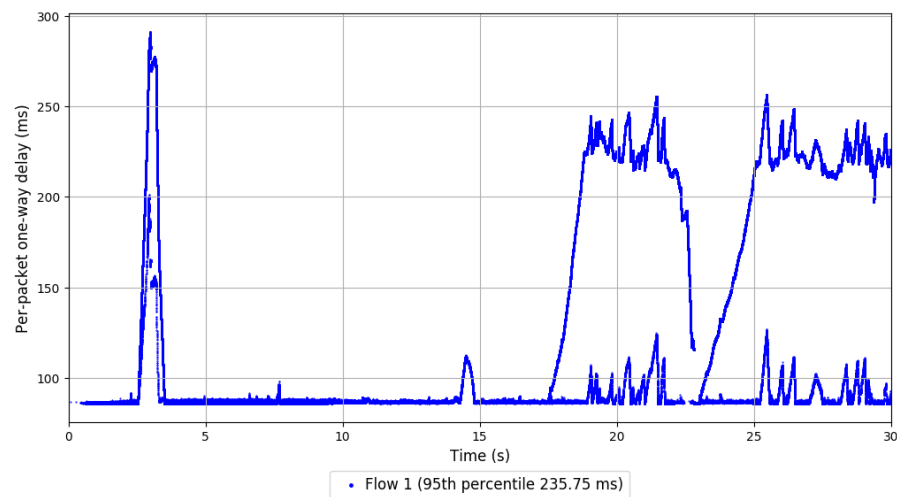
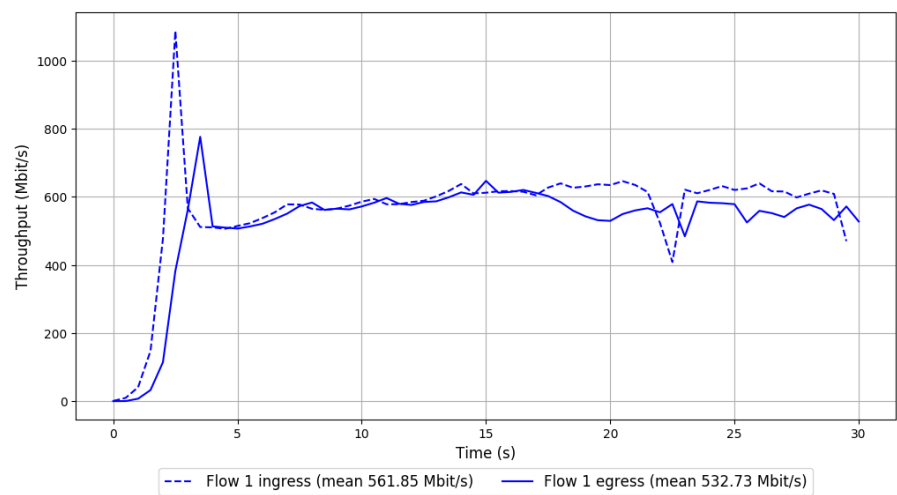
-- Flow 1:

Average throughput: 532.73 Mbit/s

95th percentile per-packet one-way delay: 235.754 ms

Loss rate: 5.11%

Run 3: Report of PCC-Allegro — Data Link

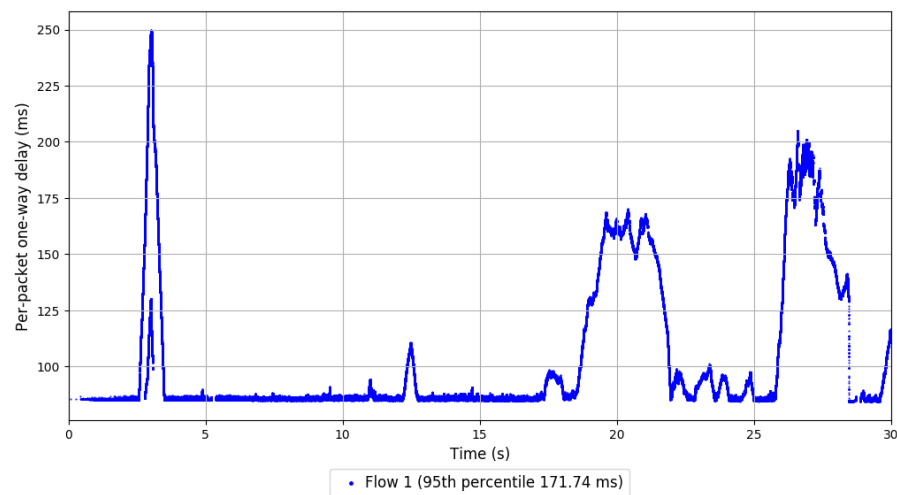
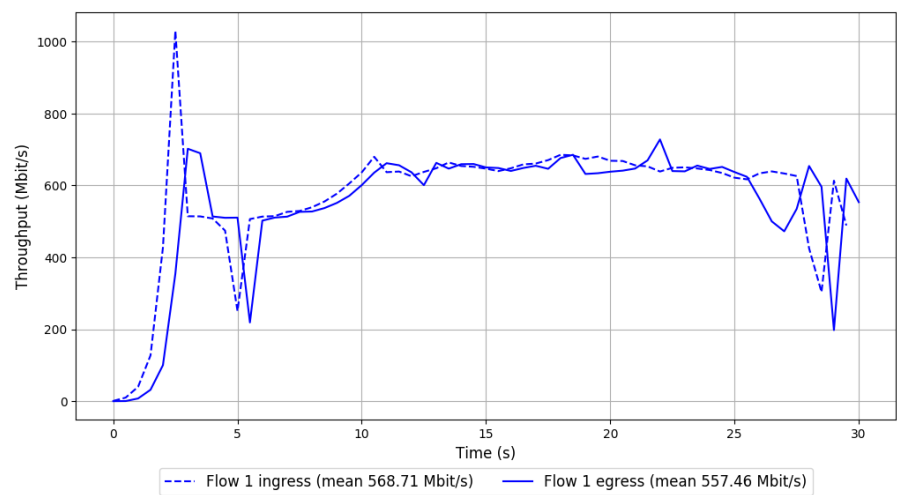


Run 4: Statistics of PCC-Allegro

Start at: 2018-06-18 08:48:22
End at: 2018-06-18 08:48:52
Local clock offset: 17.203 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2018-06-18 12:00:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 557.46 Mbit/s
95th percentile per-packet one-way delay: 171.743 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 557.46 Mbit/s
95th percentile per-packet one-way delay: 171.743 ms
Loss rate: 1.97%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-06-18 09:09:10

End at: 2018-06-18 09:09:40

Local clock offset: 8.082 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at 2018-06-18 12:01:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 525.27 Mbit/s

95th percentile per-packet one-way delay: 178.104 ms

Loss rate: 2.01%

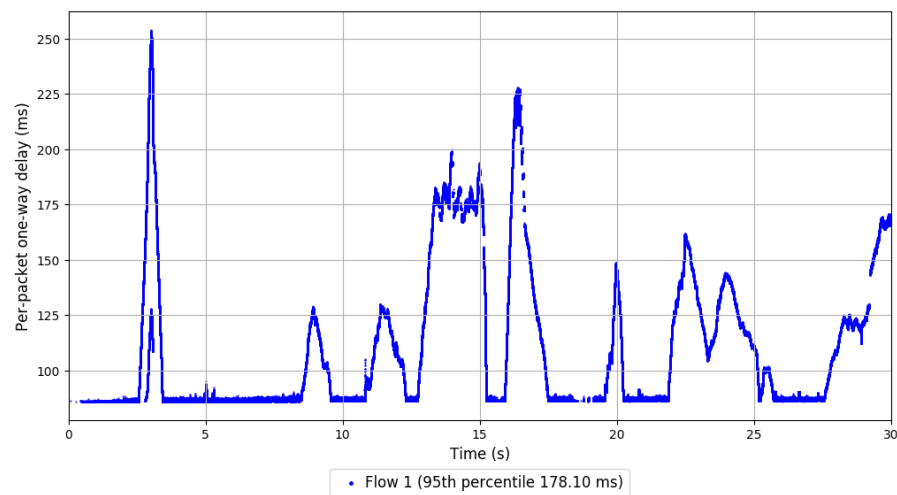
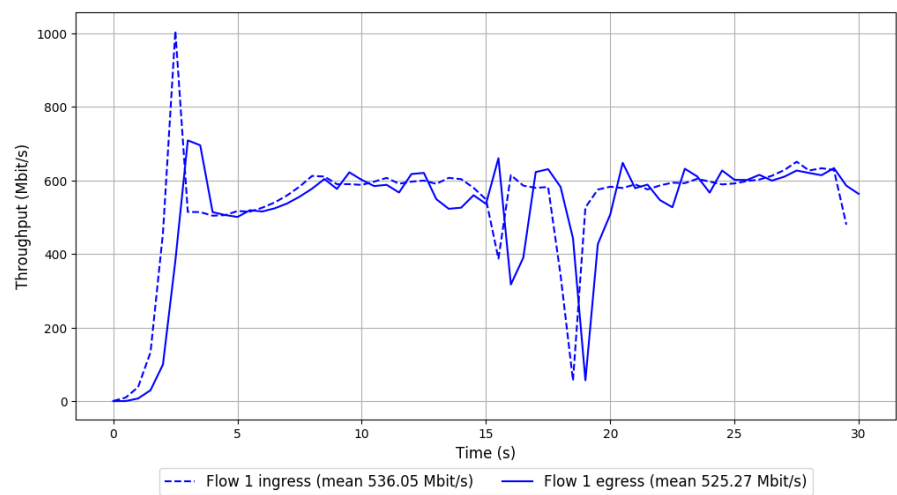
-- Flow 1:

Average throughput: 525.27 Mbit/s

95th percentile per-packet one-way delay: 178.104 ms

Loss rate: 2.01%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-06-18 09:30:02

End at: 2018-06-18 09:30:32

Local clock offset: 3.964 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-18 12:01:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.53 Mbit/s

95th percentile per-packet one-way delay: 179.252 ms

Loss rate: 1.73%

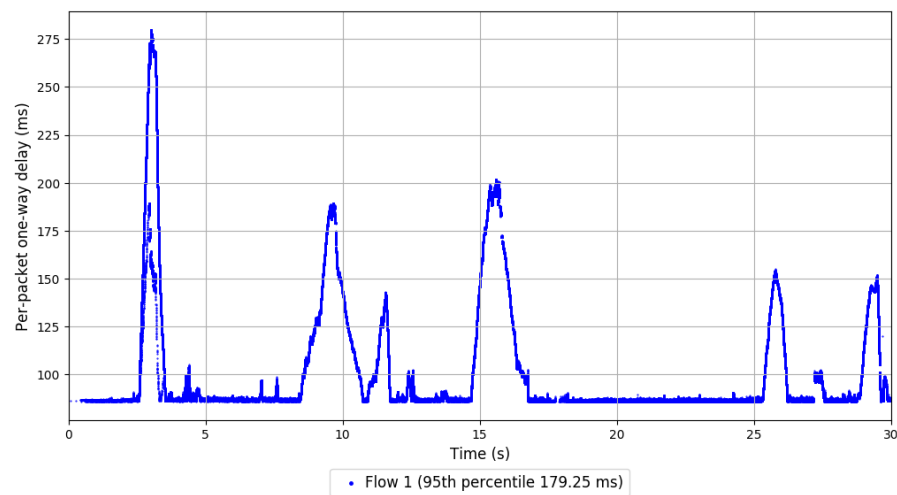
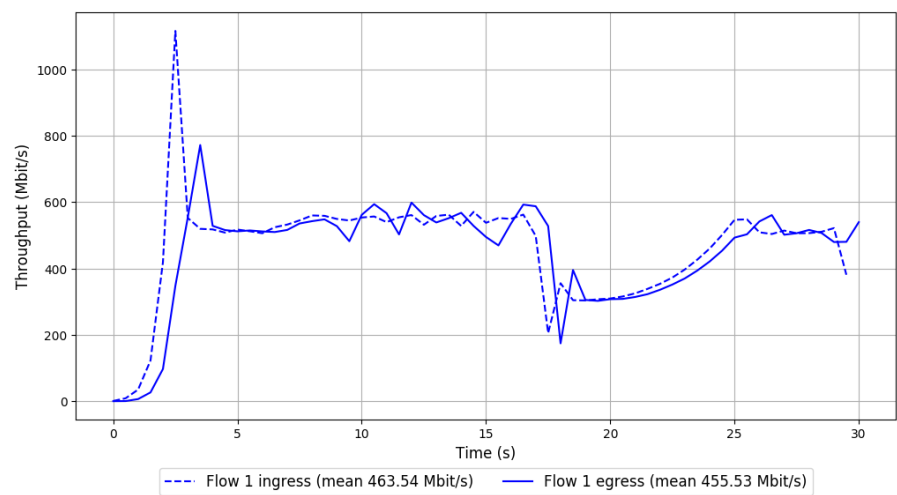
-- Flow 1:

Average throughput: 455.53 Mbit/s

95th percentile per-packet one-way delay: 179.252 ms

Loss rate: 1.73%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-06-18 09:50:50

End at: 2018-06-18 09:51:20

Local clock offset: 2.305 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-18 12:08:26

Datalink statistics

-- Total of 1 flow:

Average throughput: 517.69 Mbit/s

95th percentile per-packet one-way delay: 240.896 ms

Loss rate: 5.93%

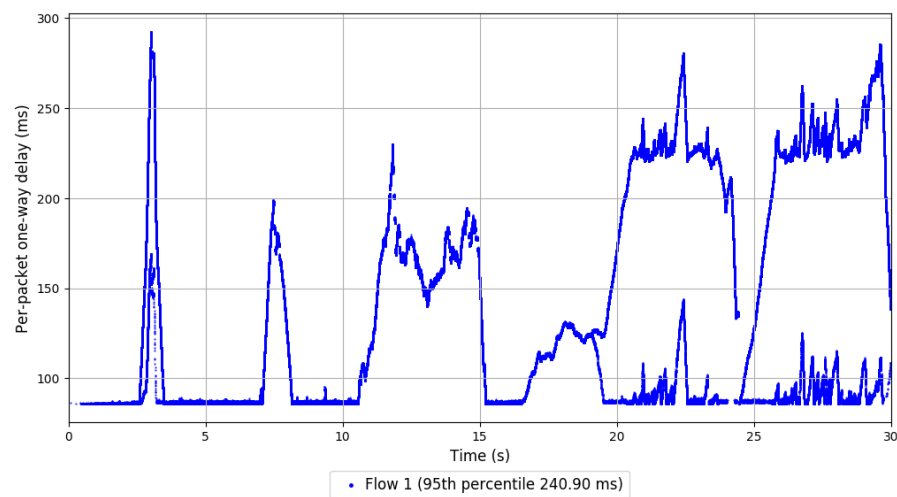
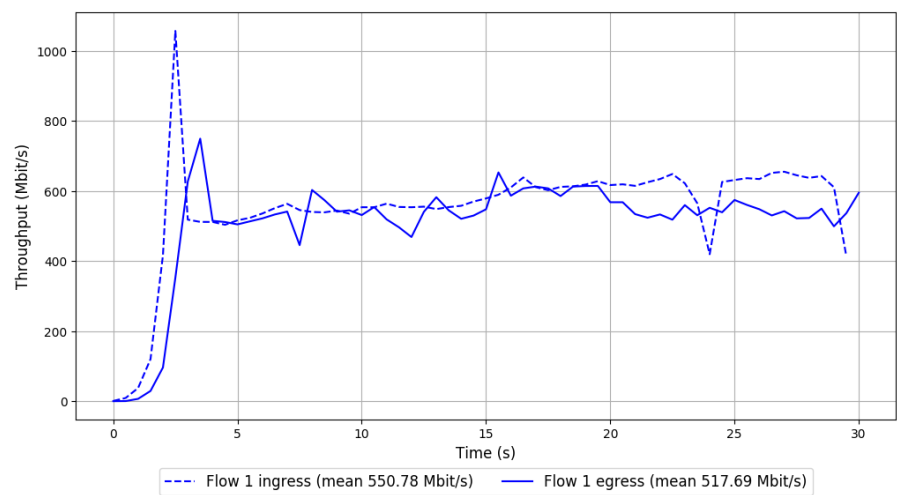
-- Flow 1:

Average throughput: 517.69 Mbit/s

95th percentile per-packet one-way delay: 240.896 ms

Loss rate: 5.93%

Run 7: Report of PCC-Allegro — Data Link

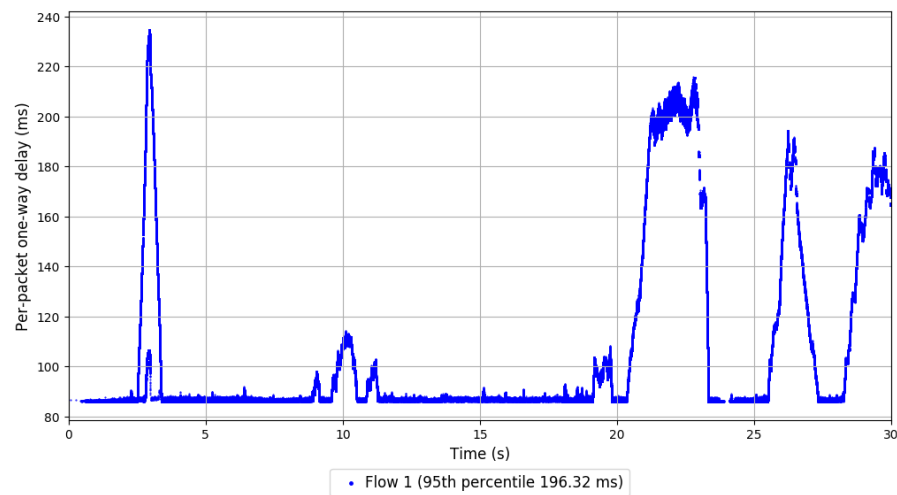
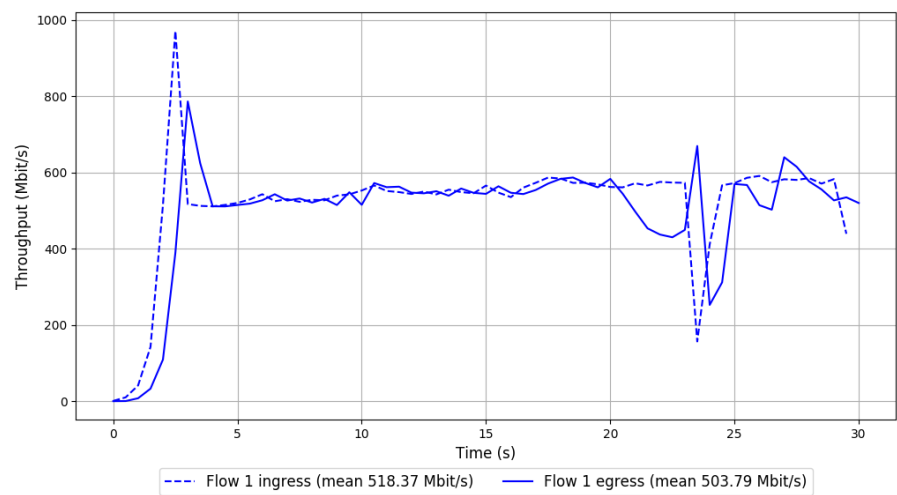


Run 8: Statistics of PCC-Allegro

Start at: 2018-06-18 10:11:41
End at: 2018-06-18 10:12:11
Local clock offset: 0.942 ms
Remote clock offset: -0.055 ms

Below is generated by plot.py at 2018-06-18 12:08:26
Datalink statistics
-- Total of 1 flow:
Average throughput: 503.79 Mbit/s
95th percentile per-packet one-way delay: 196.322 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 503.79 Mbit/s
95th percentile per-packet one-way delay: 196.322 ms
Loss rate: 2.81%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-06-18 10:32:36

End at: 2018-06-18 10:33:06

Local clock offset: 0.728 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at 2018-06-18 12:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 529.18 Mbit/s

95th percentile per-packet one-way delay: 173.874 ms

Loss rate: 2.07%

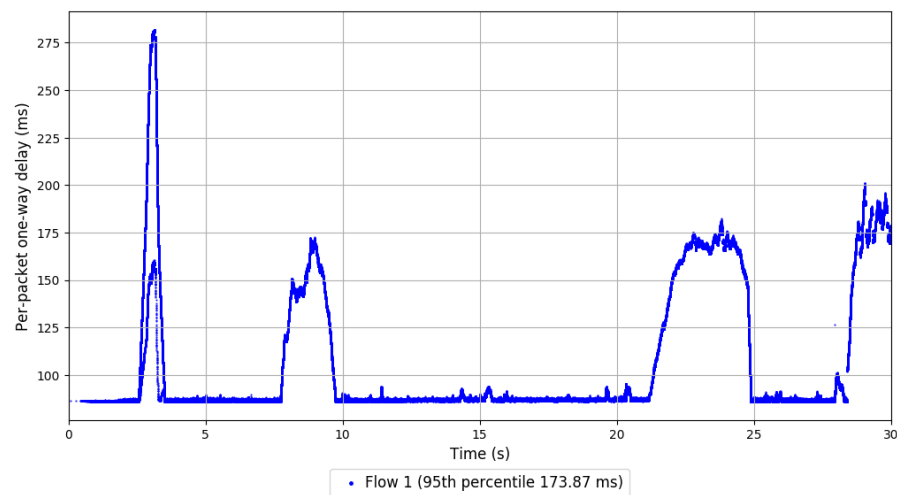
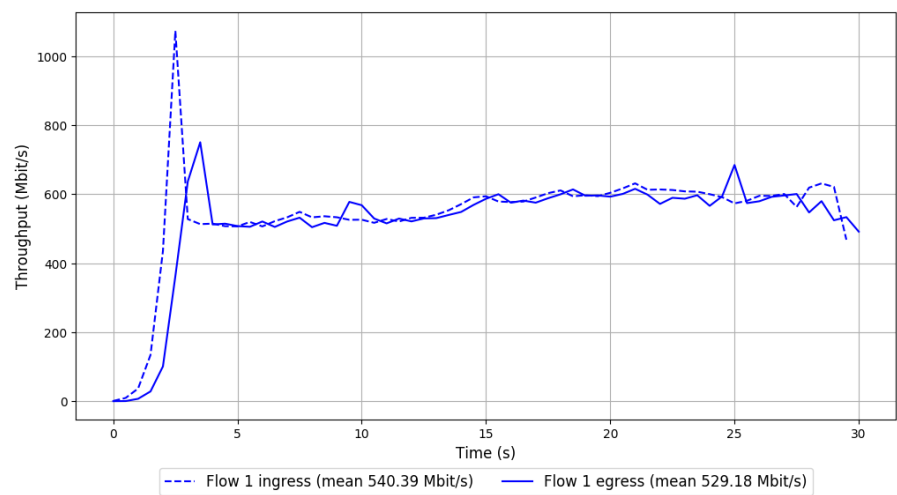
-- Flow 1:

Average throughput: 529.18 Mbit/s

95th percentile per-packet one-way delay: 173.874 ms

Loss rate: 2.07%

Run 9: Report of PCC-Allegro — Data Link



Run 10: Statistics of PCC-Allegro

Start at: 2018-06-18 10:53:27

End at: 2018-06-18 10:53:58

Local clock offset: 0.613 ms

Remote clock offset: -0.03 ms

Below is generated by plot.py at 2018-06-18 12:08:40

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.04 Mbit/s

95th percentile per-packet one-way delay: 164.492 ms

Loss rate: 0.99%

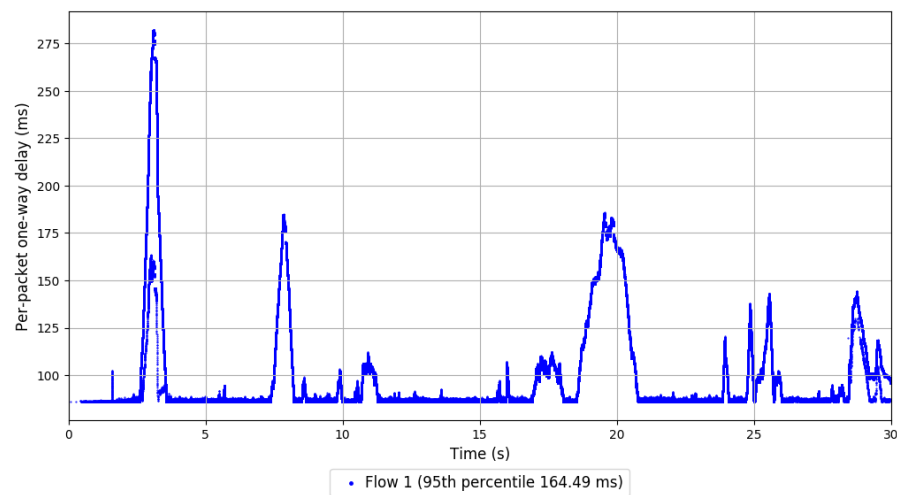
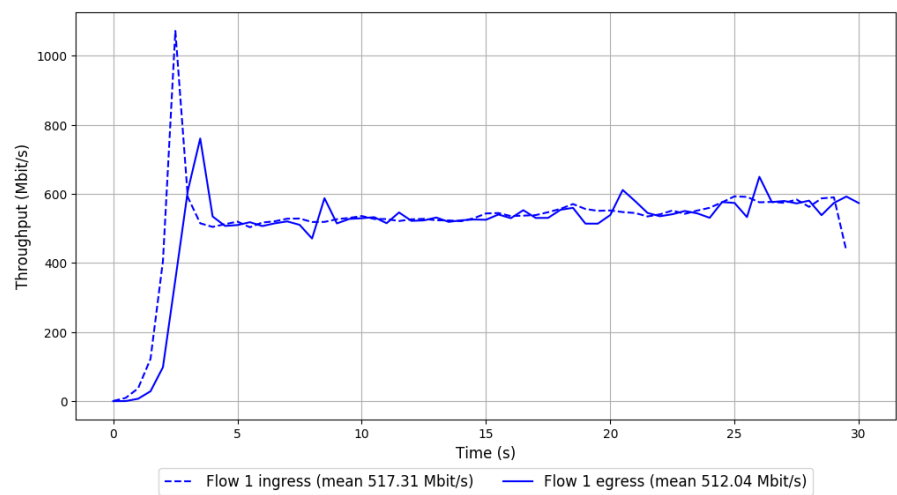
-- Flow 1:

Average throughput: 512.04 Mbit/s

95th percentile per-packet one-way delay: 164.492 ms

Loss rate: 0.99%

Run 10: Report of PCC-Allegro — Data Link

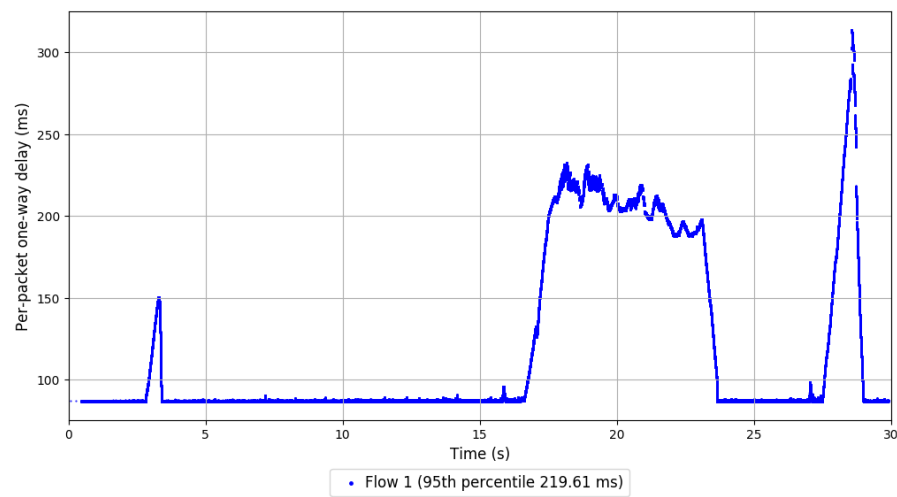
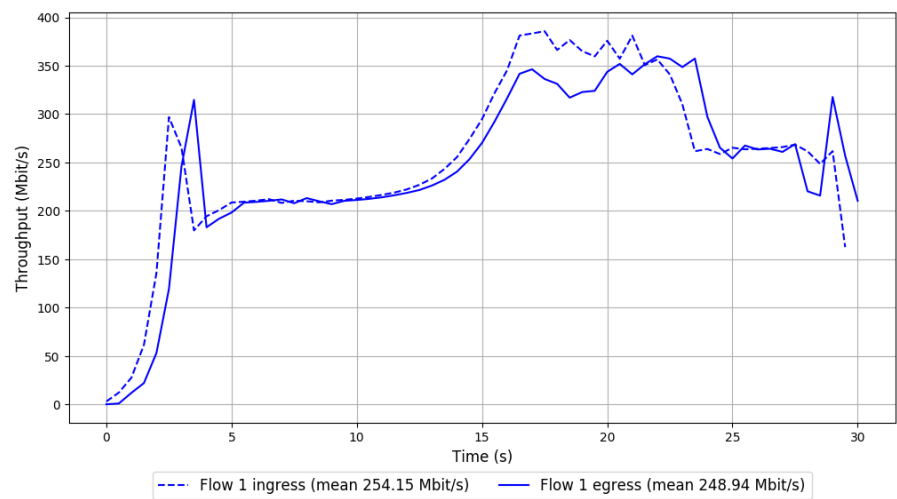


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-18 07:57:02
End at: 2018-06-18 07:57:32
Local clock offset: 25.533 ms
Remote clock offset: -0.313 ms

# Below is generated by plot.py at 2018-06-18 12:08:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.94 Mbit/s
95th percentile per-packet one-way delay: 219.613 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 248.94 Mbit/s
95th percentile per-packet one-way delay: 219.613 ms
Loss rate: 2.05%
```

Run 1: Report of PCC-Expr — Data Link

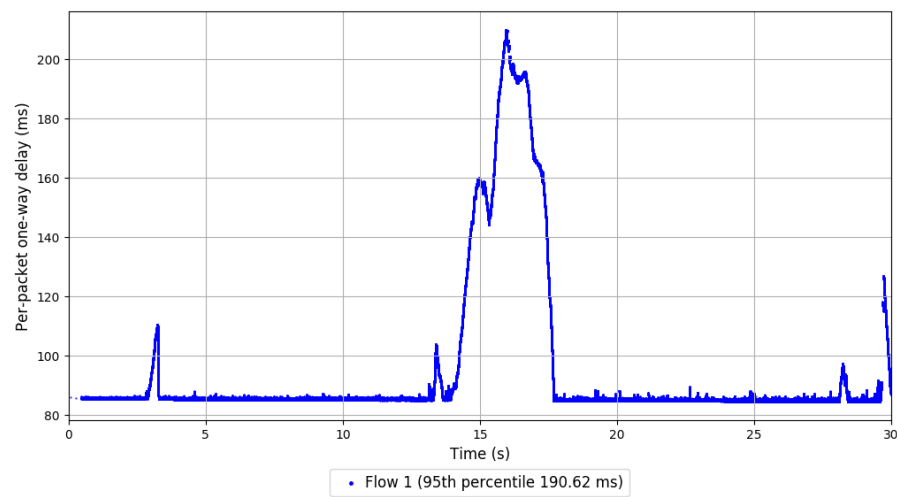
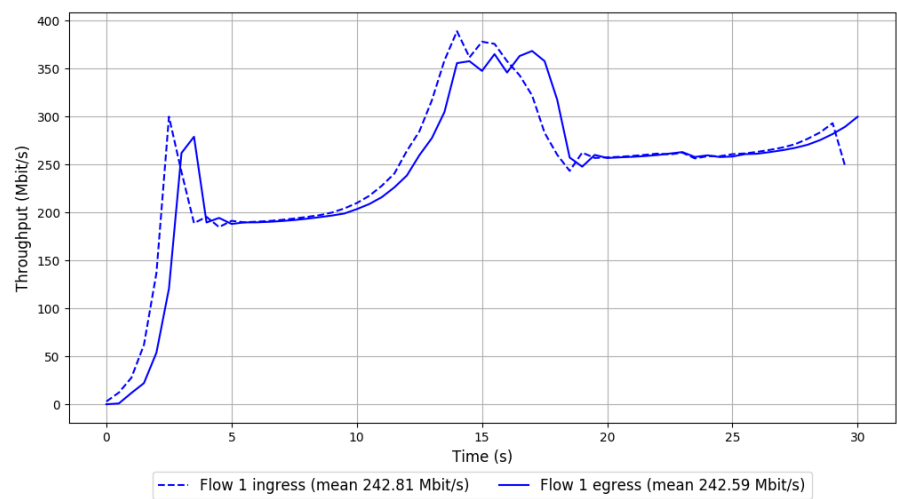


Run 2: Statistics of PCC-Expr

Start at: 2018-06-18 08:17:55
End at: 2018-06-18 08:18:25
Local clock offset: 24.35 ms
Remote clock offset: -0.652 ms

Below is generated by plot.py at 2018-06-18 12:08:40
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.59 Mbit/s
95th percentile per-packet one-way delay: 190.625 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 242.59 Mbit/s
95th percentile per-packet one-way delay: 190.625 ms
Loss rate: 0.09%

Run 2: Report of PCC-Expr — Data Link

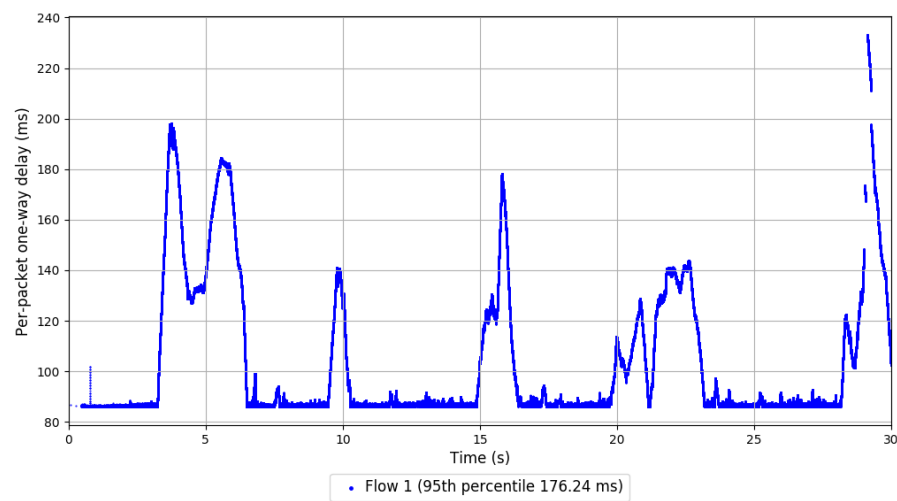
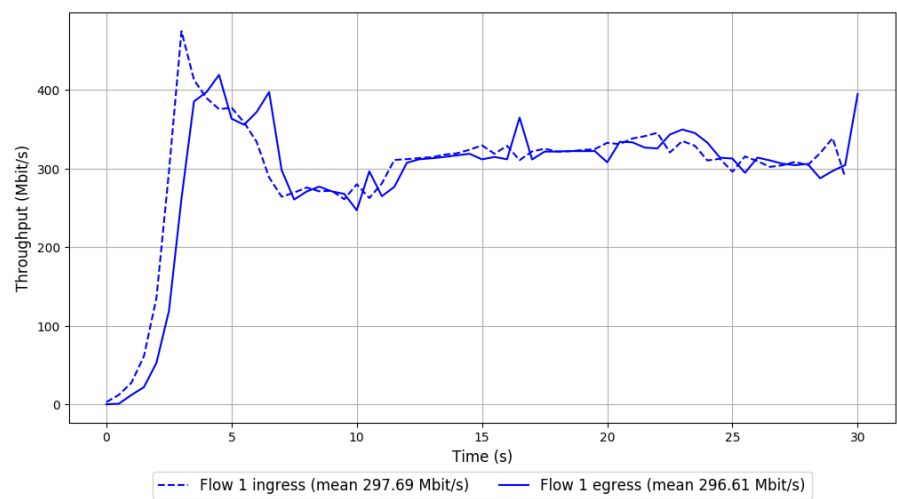


Run 3: Statistics of PCC-Expr

Start at: 2018-06-18 08:38:42
End at: 2018-06-18 08:39:12
Local clock offset: 17.602 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2018-06-18 12:09:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 296.61 Mbit/s
95th percentile per-packet one-way delay: 176.238 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 296.61 Mbit/s
95th percentile per-packet one-way delay: 176.238 ms
Loss rate: 0.36%

Run 3: Report of PCC-Expr — Data Link

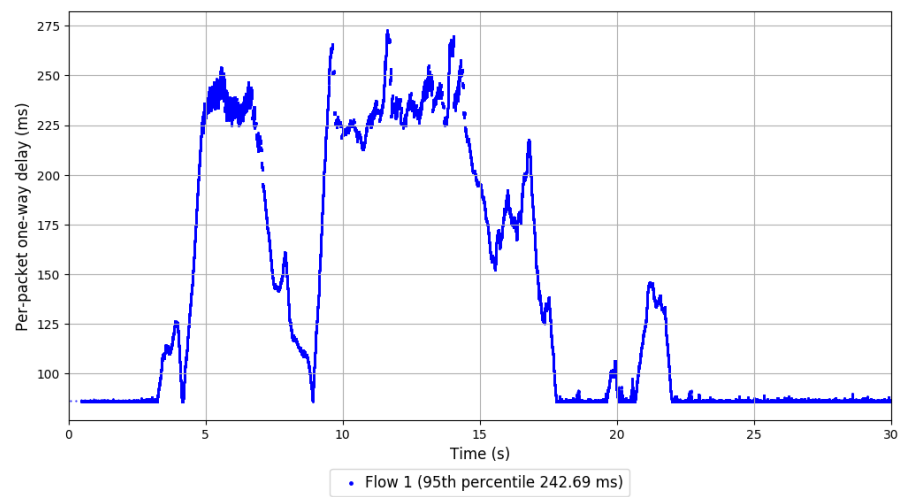
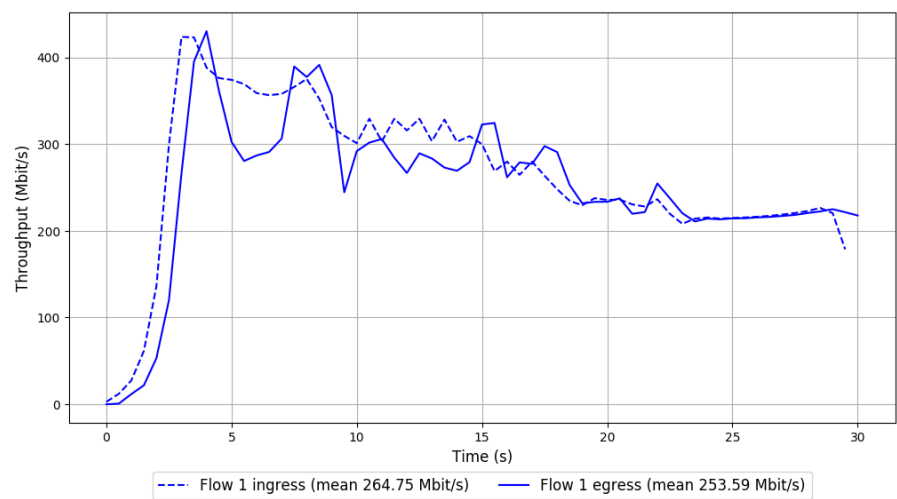


Run 4: Statistics of PCC-Expr

Start at: 2018-06-18 08:59:40
End at: 2018-06-18 09:00:10
Local clock offset: 8.074 ms
Remote clock offset: -0.185 ms

Below is generated by plot.py at 2018-06-18 12:09:35
Datalink statistics
-- Total of 1 flow:
Average throughput: 253.59 Mbit/s
95th percentile per-packet one-way delay: 242.685 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 253.59 Mbit/s
95th percentile per-packet one-way delay: 242.685 ms
Loss rate: 4.22%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-06-18 09:20:33

End at: 2018-06-18 09:21:03

Local clock offset: 9.963 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-18 12:16:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.98 Mbit/s

95th percentile per-packet one-way delay: 186.549 ms

Loss rate: 0.57%

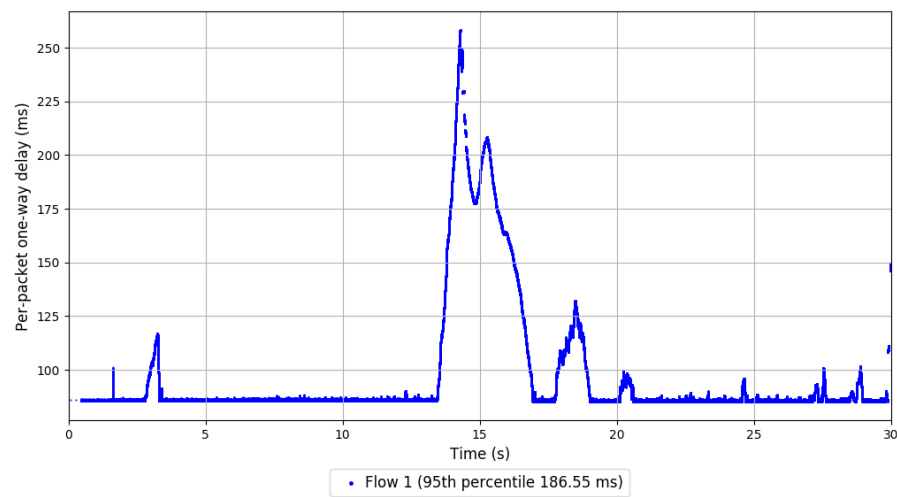
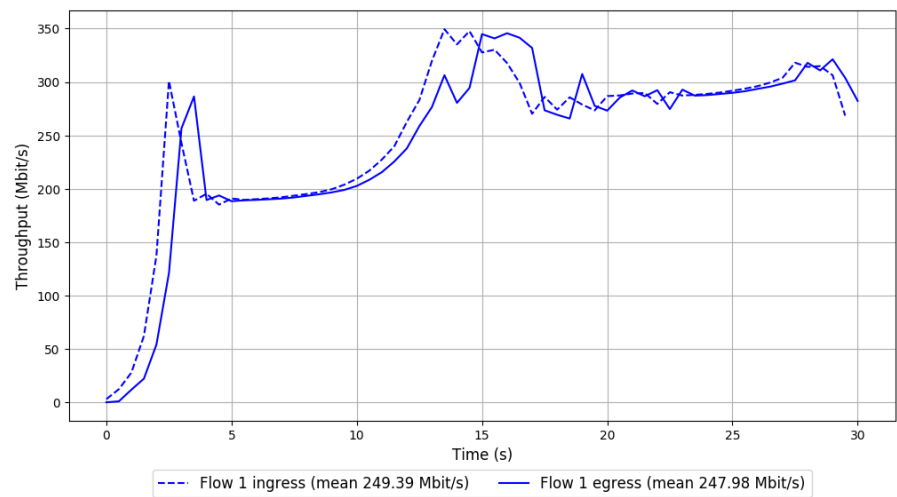
-- Flow 1:

Average throughput: 247.98 Mbit/s

95th percentile per-packet one-way delay: 186.549 ms

Loss rate: 0.57%

Run 5: Report of PCC-Expr — Data Link



Run 6: Statistics of PCC-Expr

Start at: 2018-06-18 09:41:23

End at: 2018-06-18 09:41:53

Local clock offset: 2.175 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at 2018-06-18 12:17:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 298.05 Mbit/s

95th percentile per-packet one-way delay: 211.687 ms

Loss rate: 2.68%

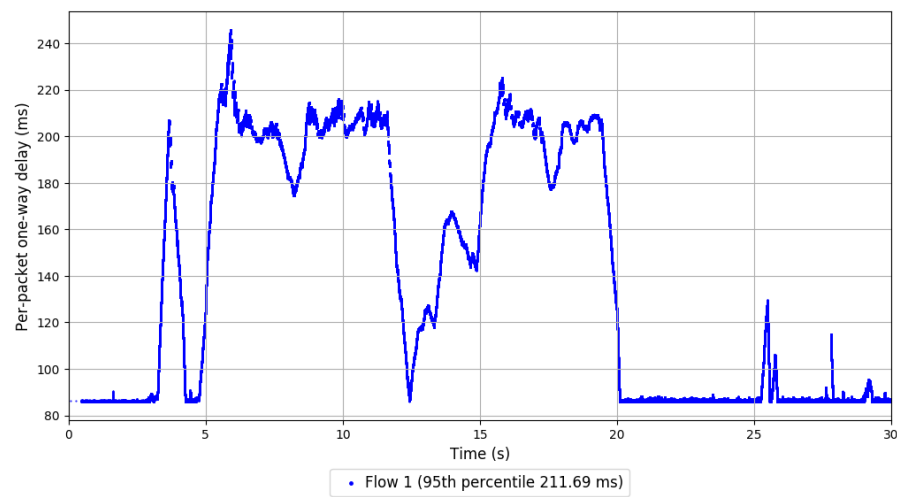
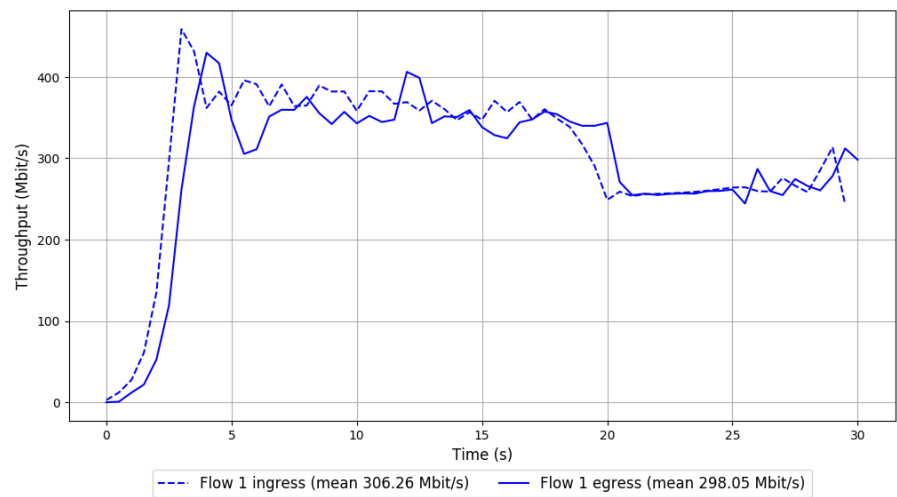
-- Flow 1:

Average throughput: 298.05 Mbit/s

95th percentile per-packet one-way delay: 211.687 ms

Loss rate: 2.68%

Run 6: Report of PCC-Expr — Data Link

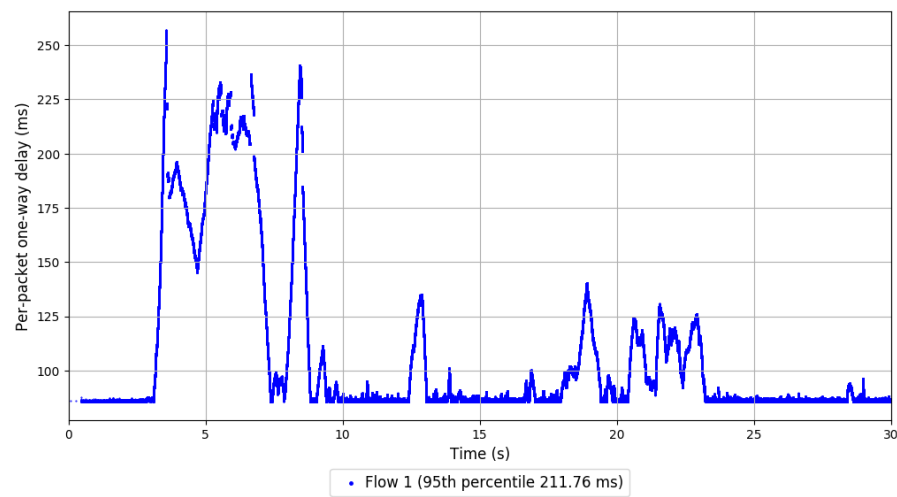
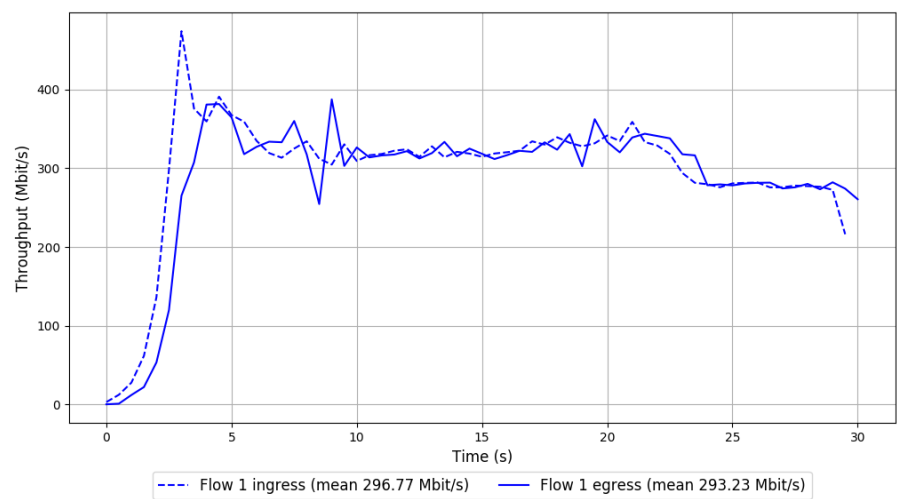


Run 7: Statistics of PCC-Expr

Start at: 2018-06-18 10:02:07
End at: 2018-06-18 10:02:37
Local clock offset: 1.47 ms
Remote clock offset: -0.028 ms

Below is generated by plot.py at 2018-06-18 12:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 293.23 Mbit/s
95th percentile per-packet one-way delay: 211.763 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 293.23 Mbit/s
95th percentile per-packet one-way delay: 211.763 ms
Loss rate: 1.19%

Run 7: Report of PCC-Expr — Data Link

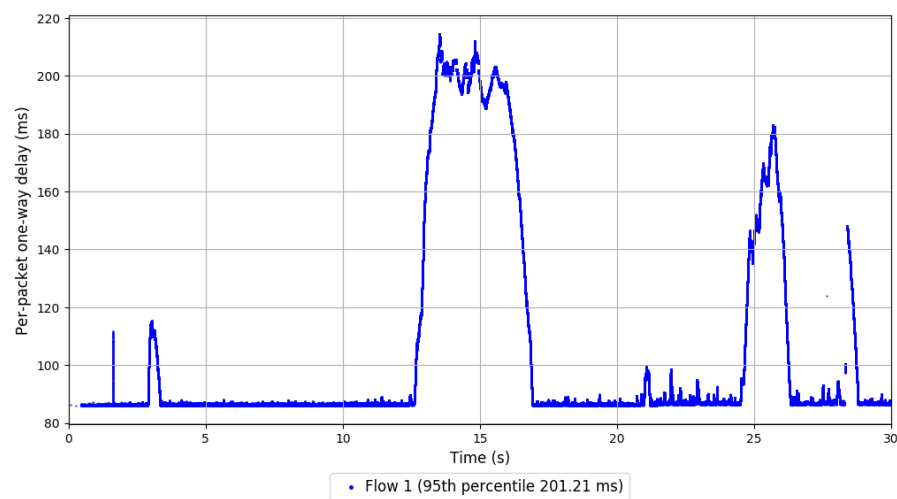
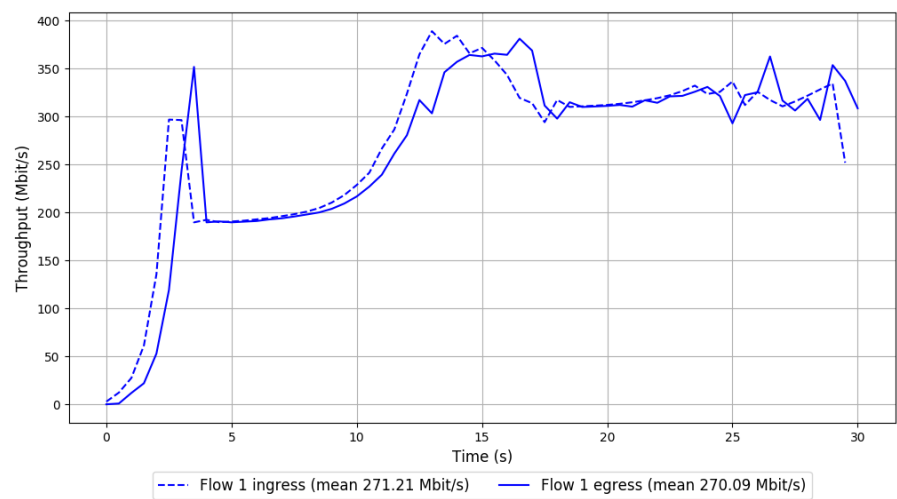


Run 8: Statistics of PCC-Expr

Start at: 2018-06-18 10:22:57
End at: 2018-06-18 10:23:28
Local clock offset: 0.991 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-18 12:17:18
Datalink statistics
-- Total of 1 flow:
Average throughput: 270.09 Mbit/s
95th percentile per-packet one-way delay: 201.205 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 270.09 Mbit/s
95th percentile per-packet one-way delay: 201.205 ms
Loss rate: 0.41%

Run 8: Report of PCC-Expr — Data Link



Run 9: Statistics of PCC-Expr

Start at: 2018-06-18 10:43:59

End at: 2018-06-18 10:44:29

Local clock offset: 0.546 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-18 12:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 261.23 Mbit/s

95th percentile per-packet one-way delay: 208.345 ms

Loss rate: 1.04%

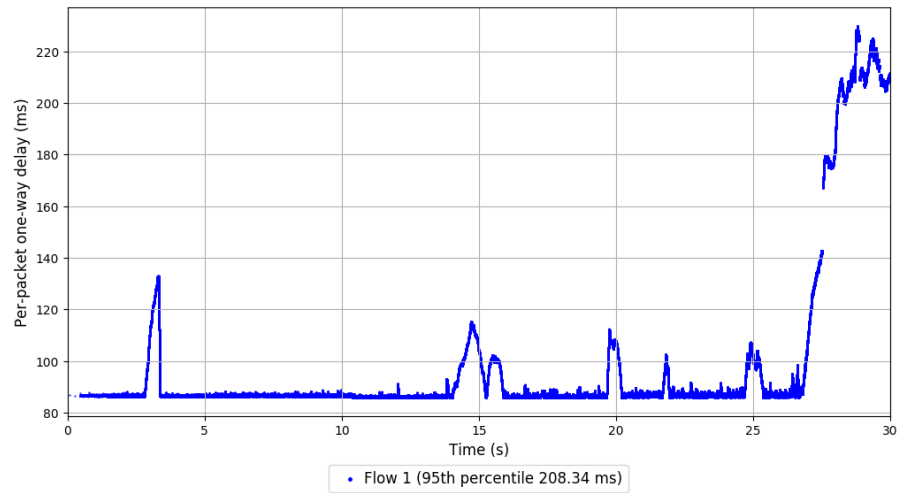
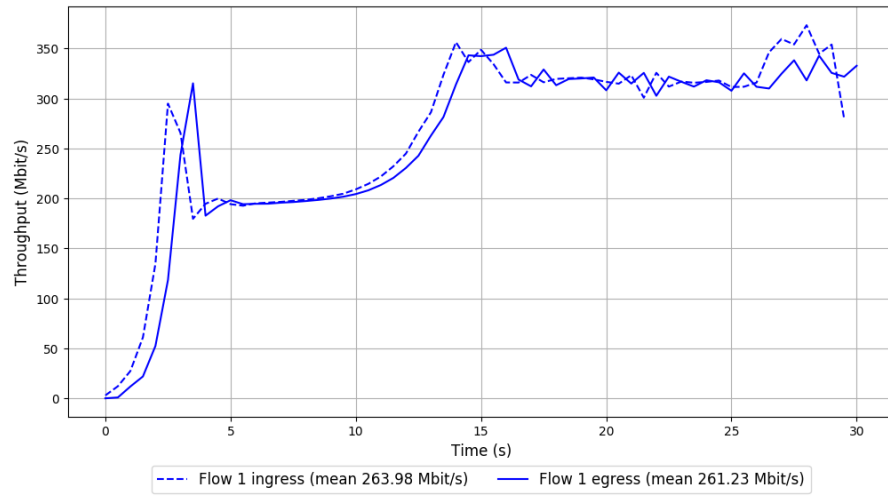
-- Flow 1:

Average throughput: 261.23 Mbit/s

95th percentile per-packet one-way delay: 208.345 ms

Loss rate: 1.04%

Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-06-18 11:04:43

End at: 2018-06-18 11:05:13

Local clock offset: 0.536 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-18 12:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 277.34 Mbit/s

95th percentile per-packet one-way delay: 213.752 ms

Loss rate: 0.69%

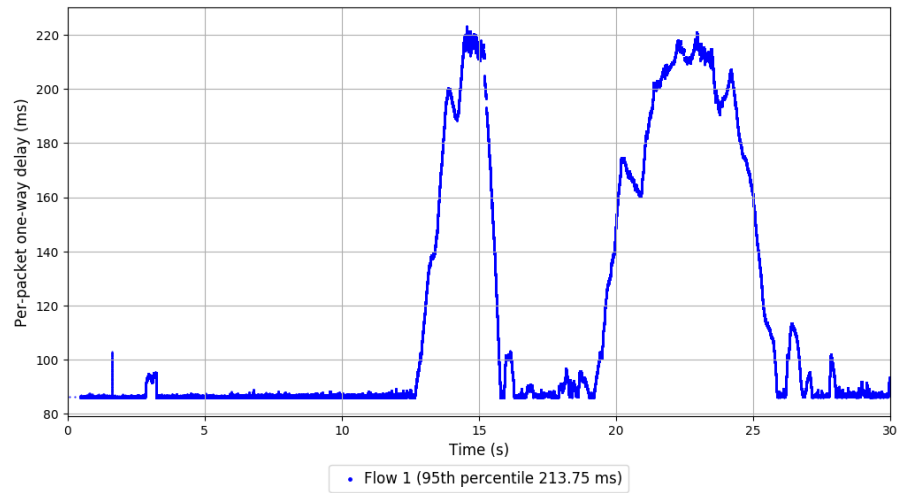
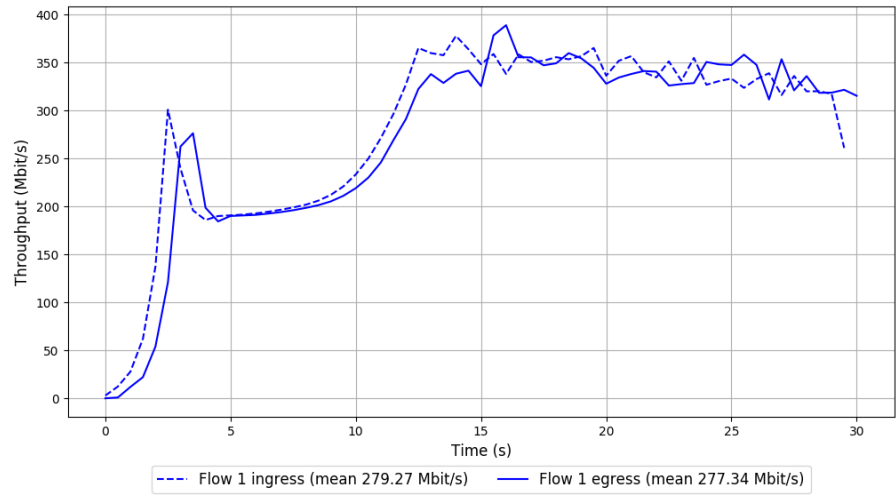
-- Flow 1:

Average throughput: 277.34 Mbit/s

95th percentile per-packet one-way delay: 213.752 ms

Loss rate: 0.69%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

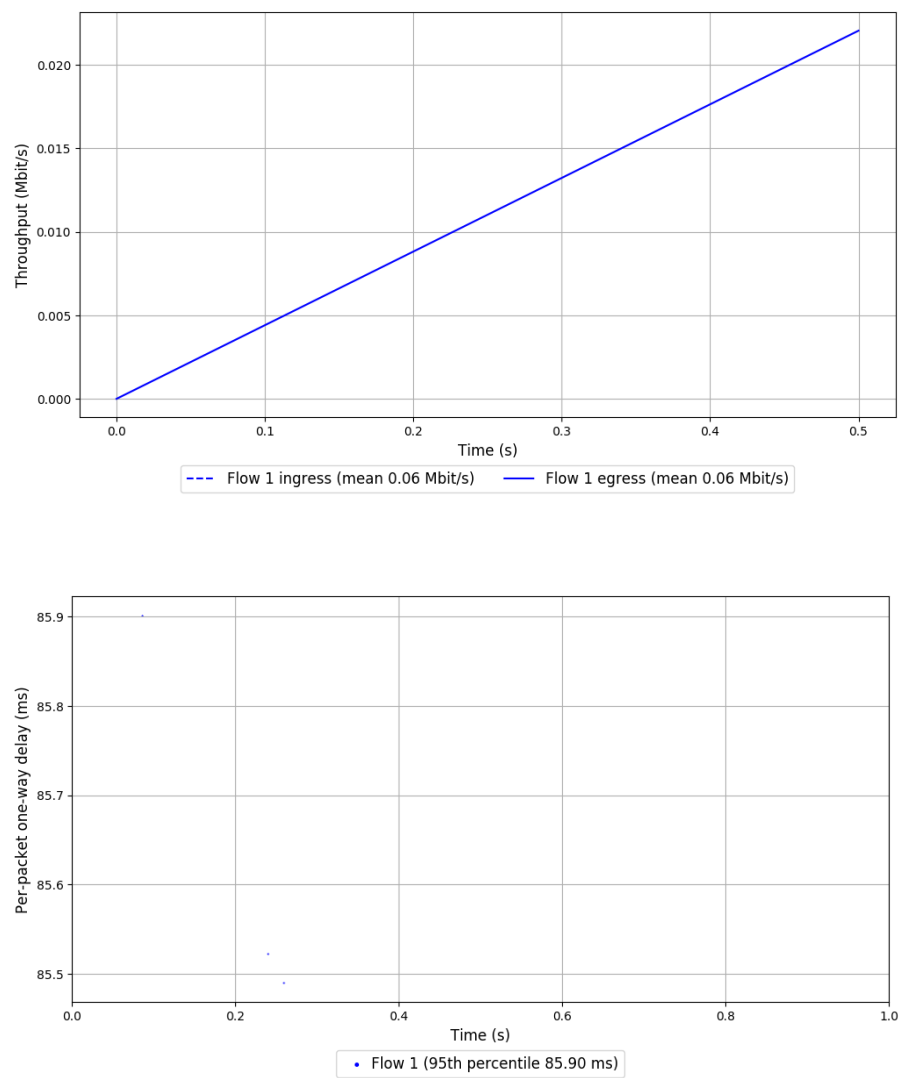
Start at: 2018-06-18 07:39:18

End at: 2018-06-18 07:39:48

Local clock offset: 25.447 ms

Remote clock offset: -0.344 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-06-18 07:59:58

End at: 2018-06-18 08:00:28

Local clock offset: 28.549 ms

Remote clock offset: -0.363 ms

Below is generated by plot.py at 2018-06-18 12:17:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.74 Mbit/s

95th percentile per-packet one-way delay: 86.685 ms

Loss rate: 0.00%

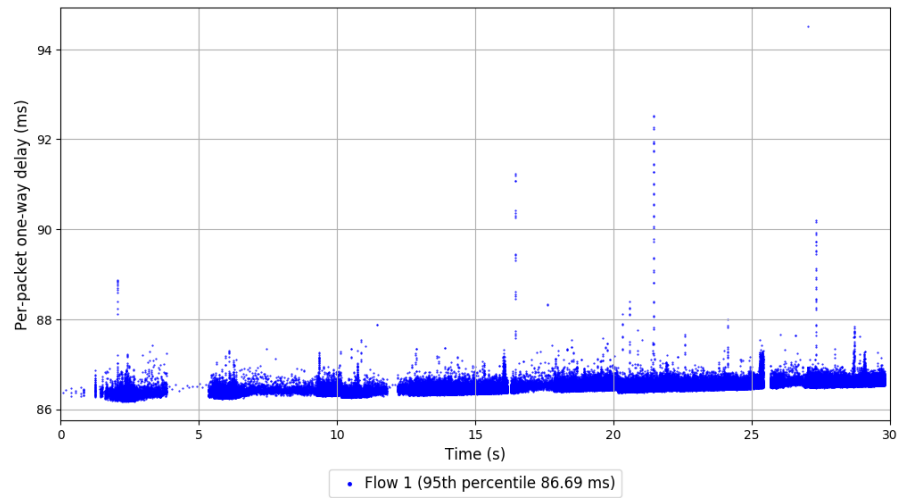
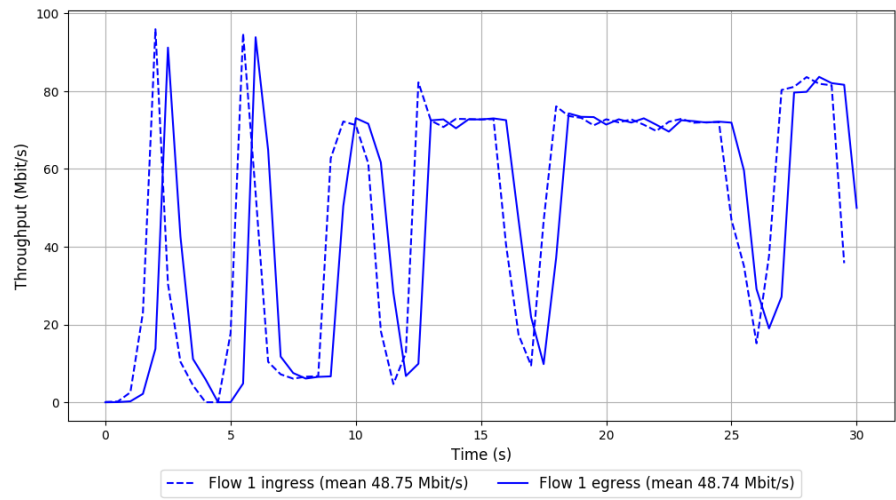
-- Flow 1:

Average throughput: 48.74 Mbit/s

95th percentile per-packet one-way delay: 86.685 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link

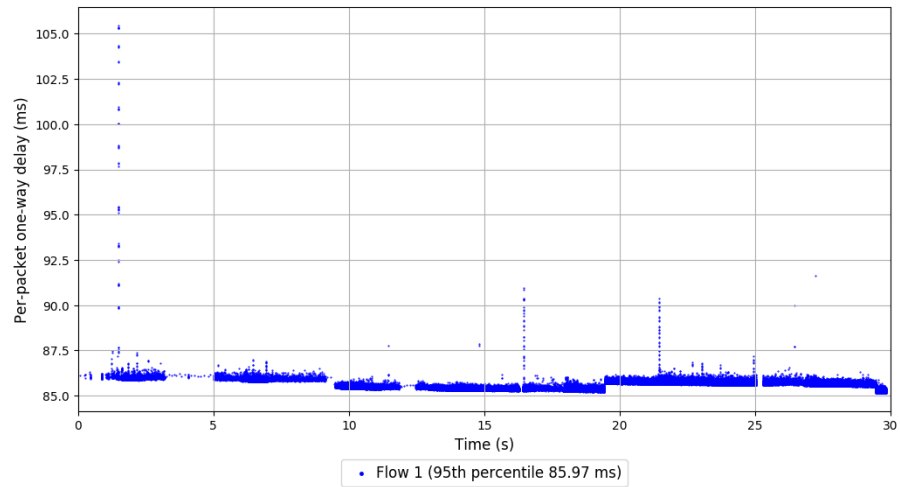
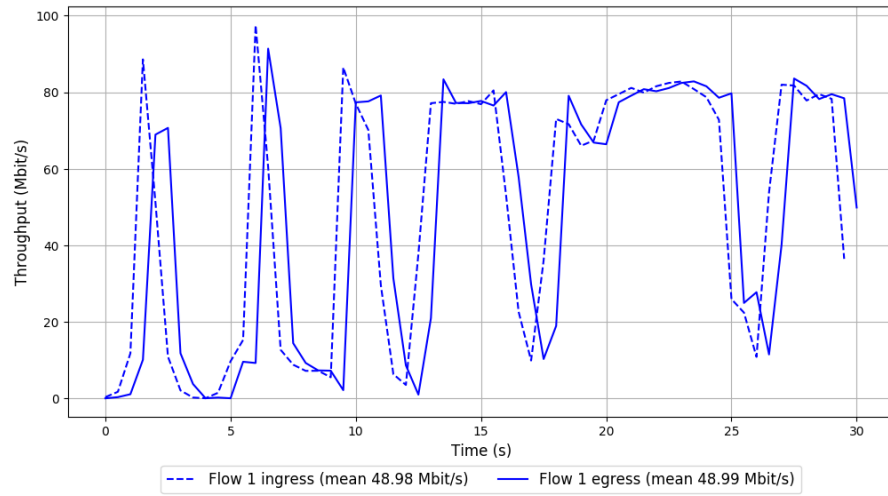


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-18 08:20:49
End at: 2018-06-18 08:21:19
Local clock offset: 20.115 ms
Remote clock offset: -0.648 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 85.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 48.99 Mbit/s
95th percentile per-packet one-way delay: 85.967 ms
Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-06-18 08:41:42

End at: 2018-06-18 08:42:12

Local clock offset: 18.634 ms

Remote clock offset: -1.013 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.08 Mbit/s

95th percentile per-packet one-way delay: 86.609 ms

Loss rate: 0.00%

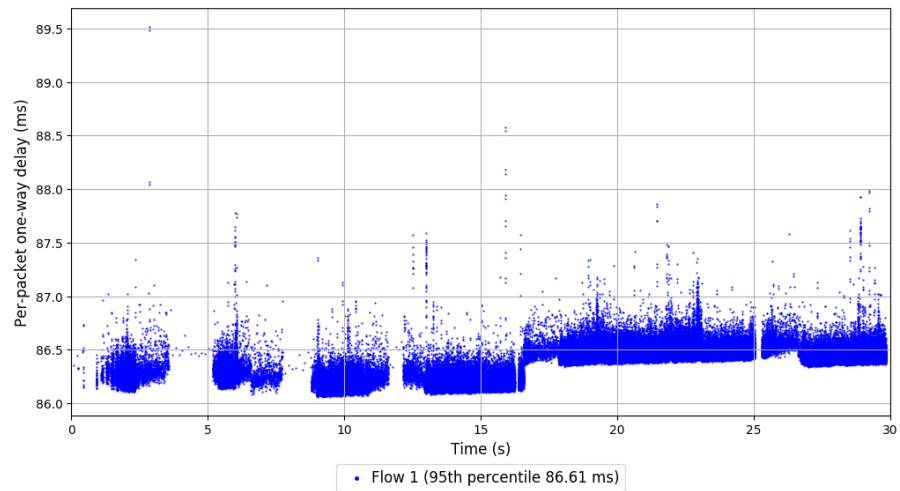
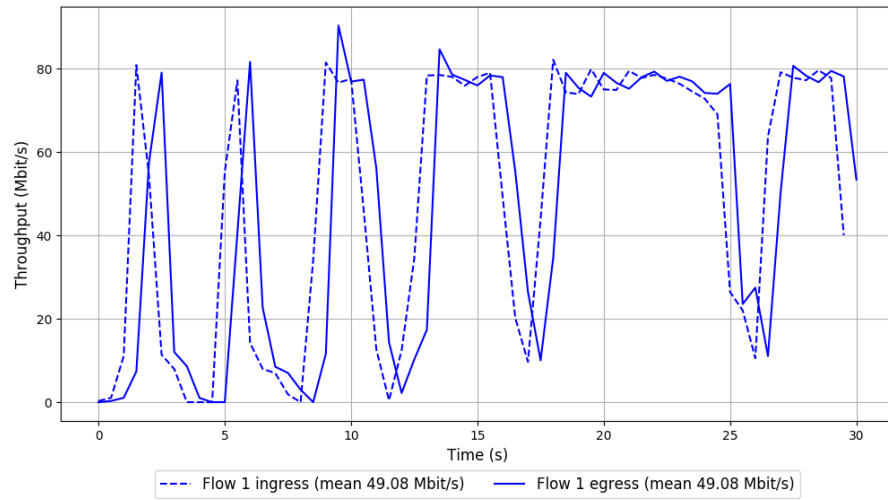
-- Flow 1:

Average throughput: 49.08 Mbit/s

95th percentile per-packet one-way delay: 86.609 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-06-18 09:02:37

End at: 2018-06-18 09:03:07

Local clock offset: 7.621 ms

Remote clock offset: -0.144 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

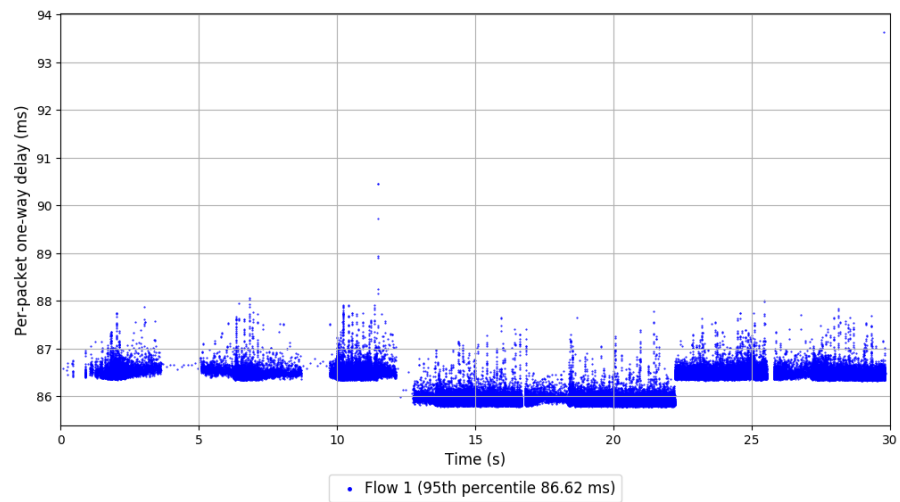
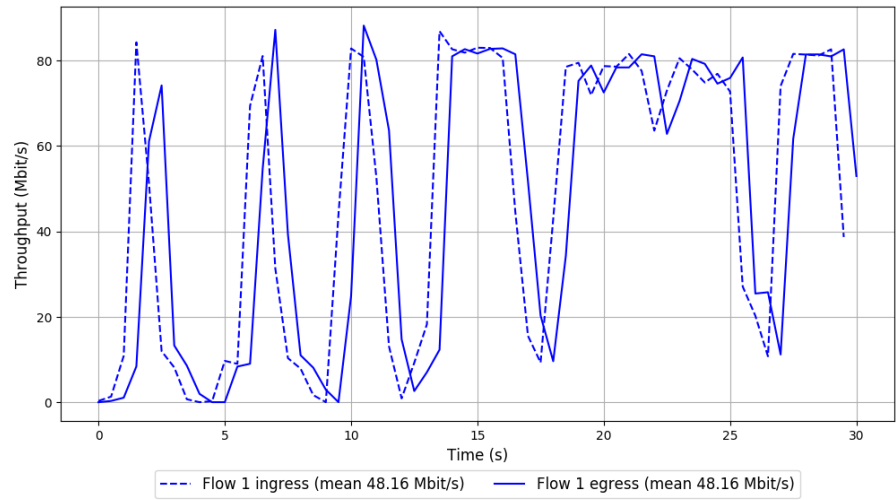
-- Flow 1:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 86.620 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-06-18 09:23:28

End at: 2018-06-18 09:23:58

Local clock offset: 7.1 ms

Remote clock offset: 0.047 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 86.063 ms

Loss rate: 0.00%

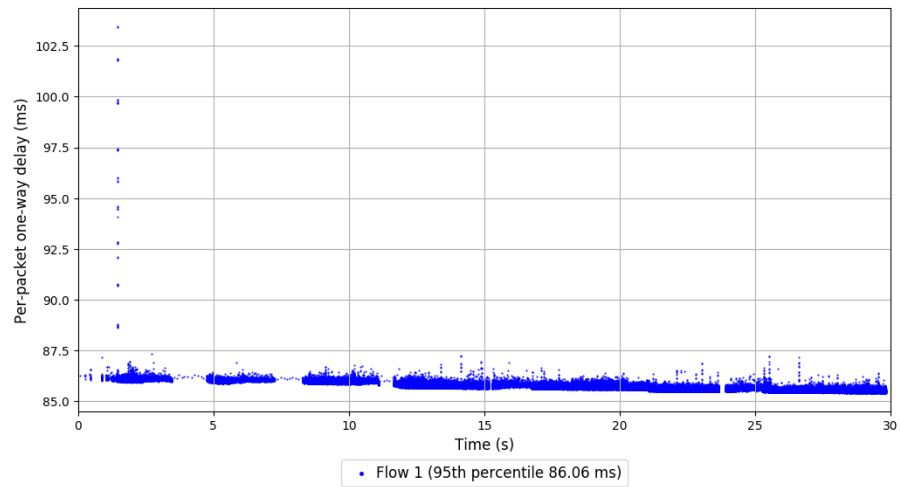
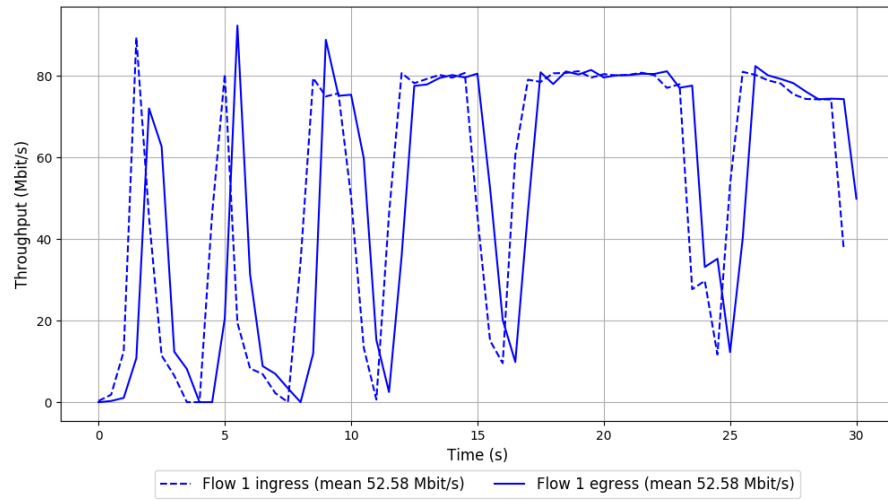
-- Flow 1:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 86.063 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-06-18 09:44:22

End at: 2018-06-18 09:44:52

Local clock offset: 2.342 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 86.754 ms

Loss rate: 0.00%

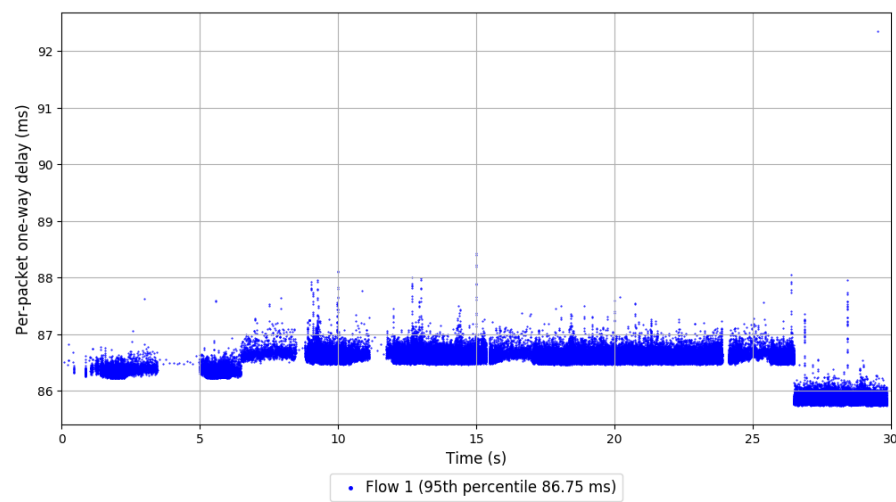
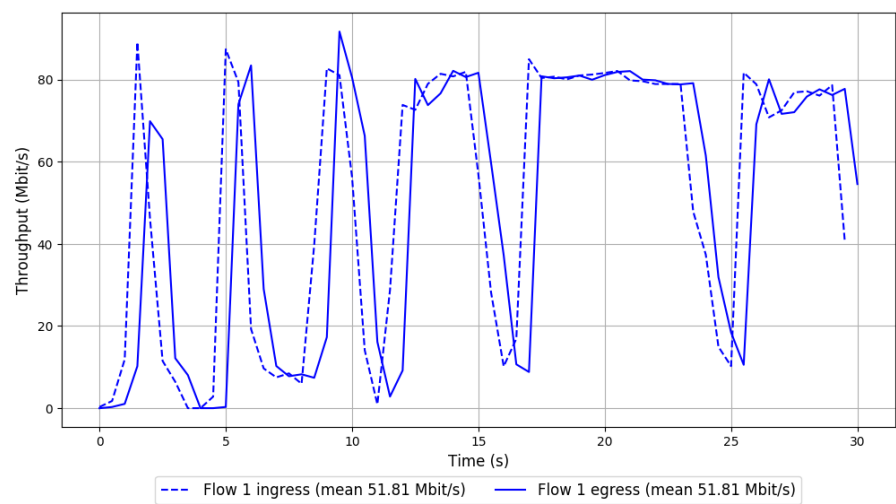
-- Flow 1:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 86.754 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-06-18 10:05:06

End at: 2018-06-18 10:05:36

Local clock offset: 1.025 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 86.283 ms

Loss rate: 0.00%

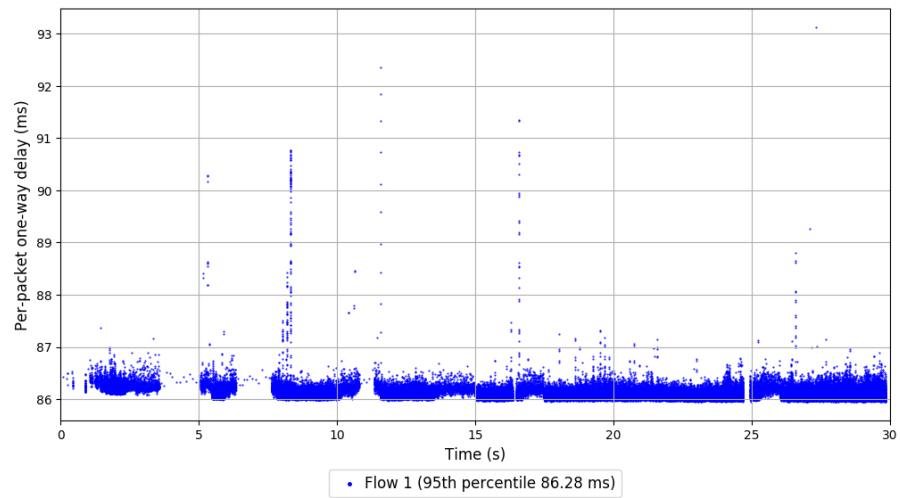
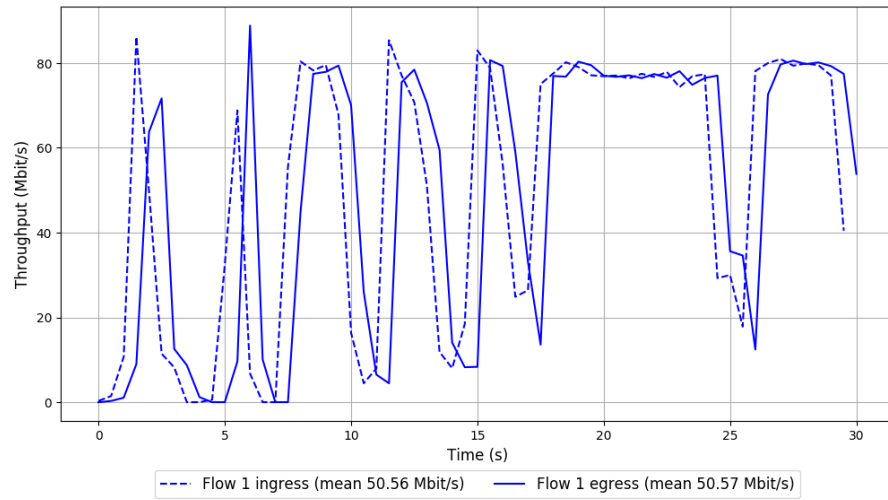
-- Flow 1:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 86.283 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2018-06-18 10:25:56

End at: 2018-06-18 10:26:26

Local clock offset: 1.117 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 86.244 ms

Loss rate: 0.00%

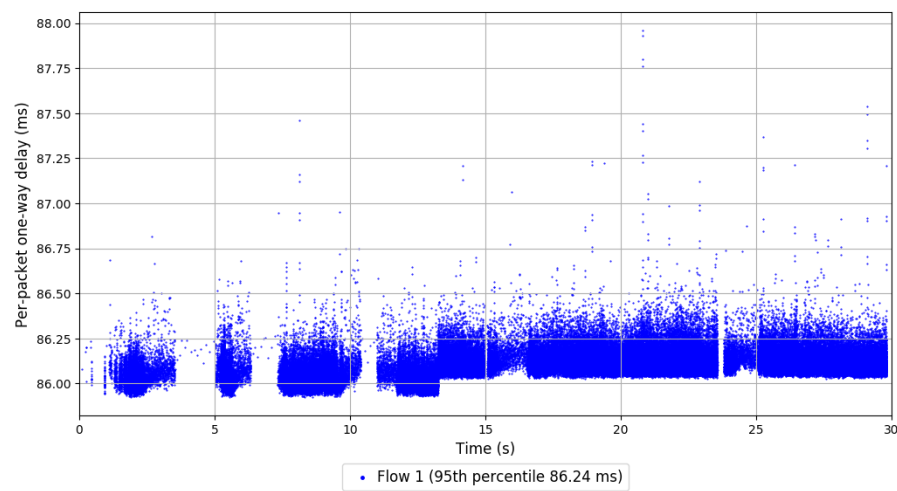
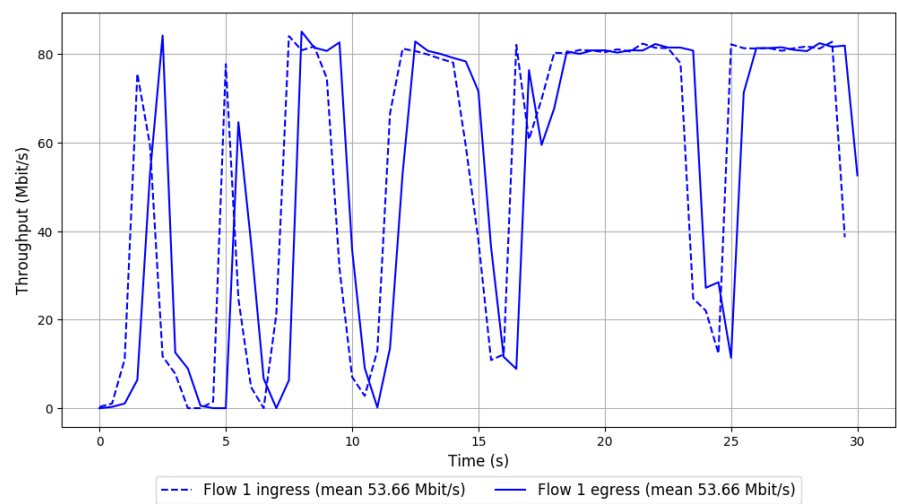
-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 86.244 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

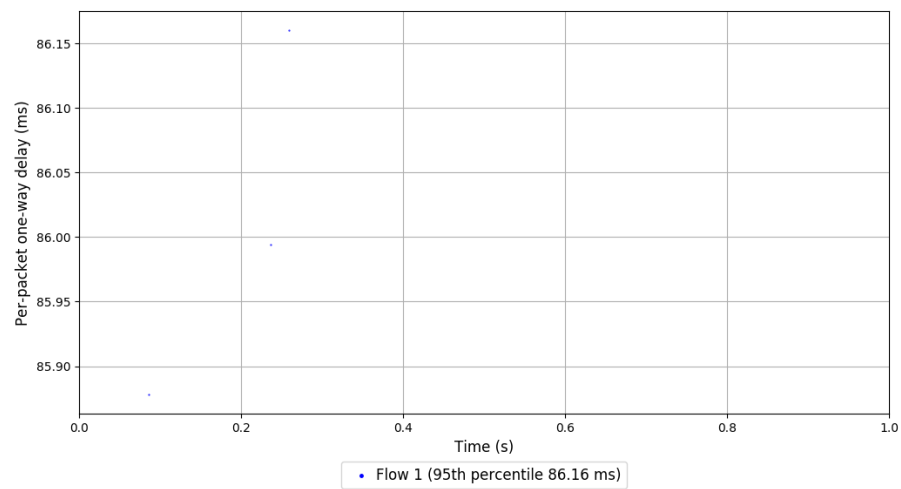
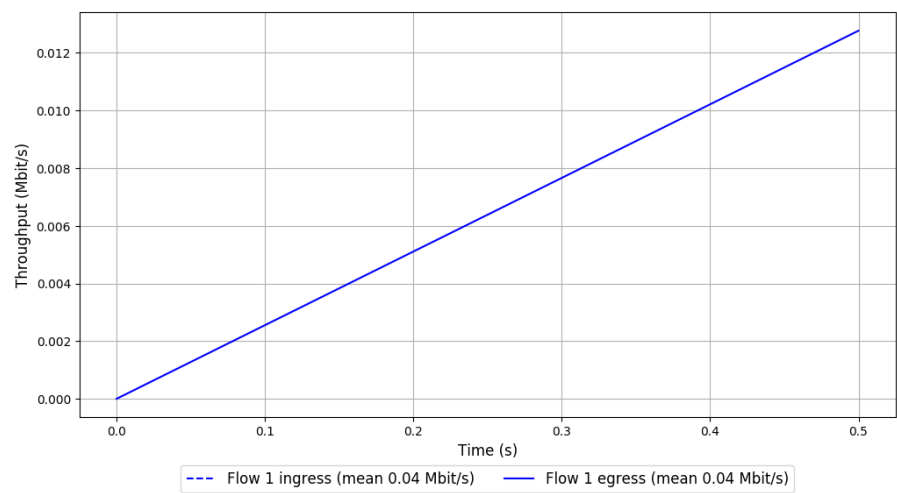
Start at: 2018-06-18 10:46:54

End at: 2018-06-18 10:47:24

Local clock offset: 0.636 ms

Remote clock offset: -0.049 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of SCReAM

Start at: 2018-06-18 07:54:35

End at: 2018-06-18 07:55:05

Local clock offset: 23.49 ms

Remote clock offset: -0.31 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.00%

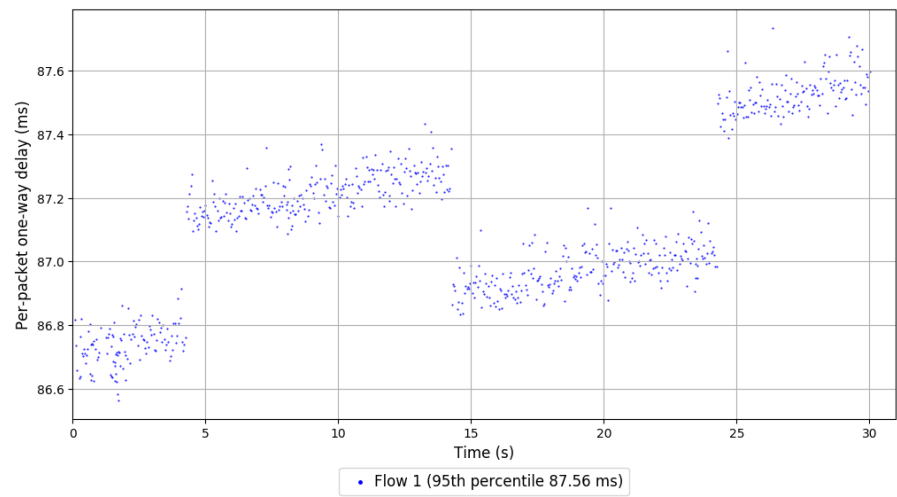
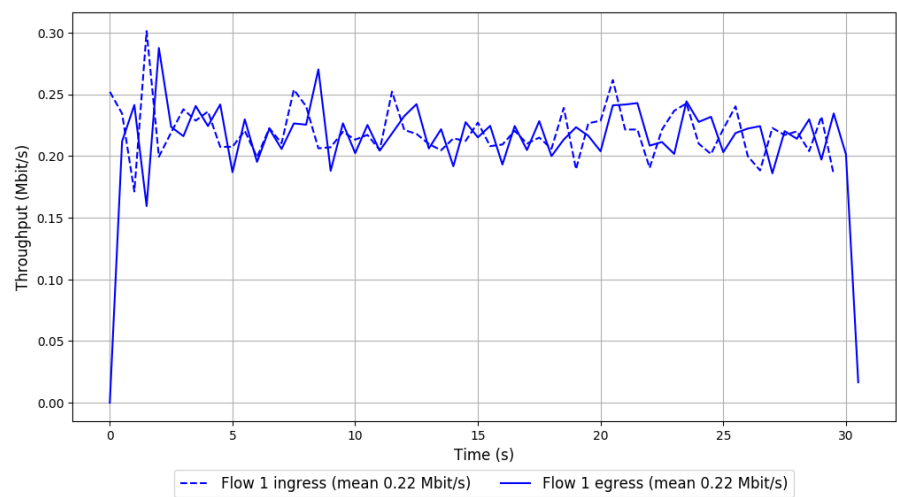
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.556 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-06-18 08:15:26

End at: 2018-06-18 08:15:56

Local clock offset: 30.512 ms

Remote clock offset: -0.54 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.975 ms

Loss rate: 0.00%

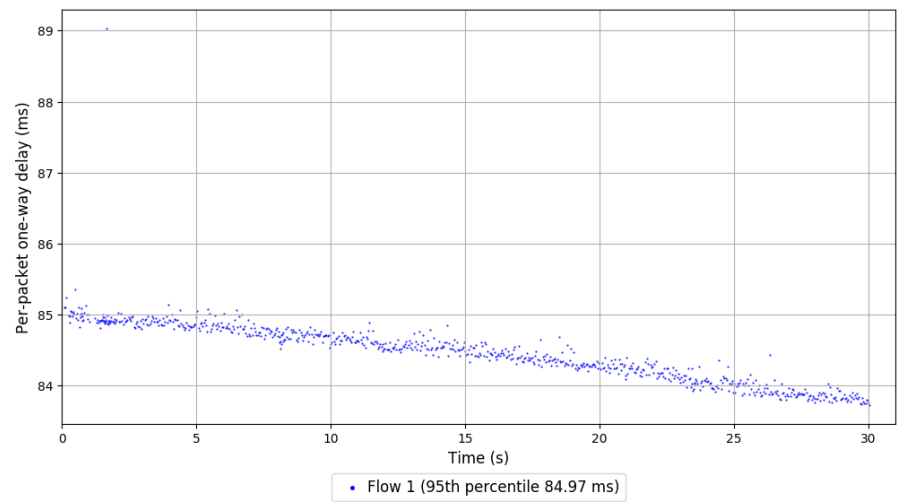
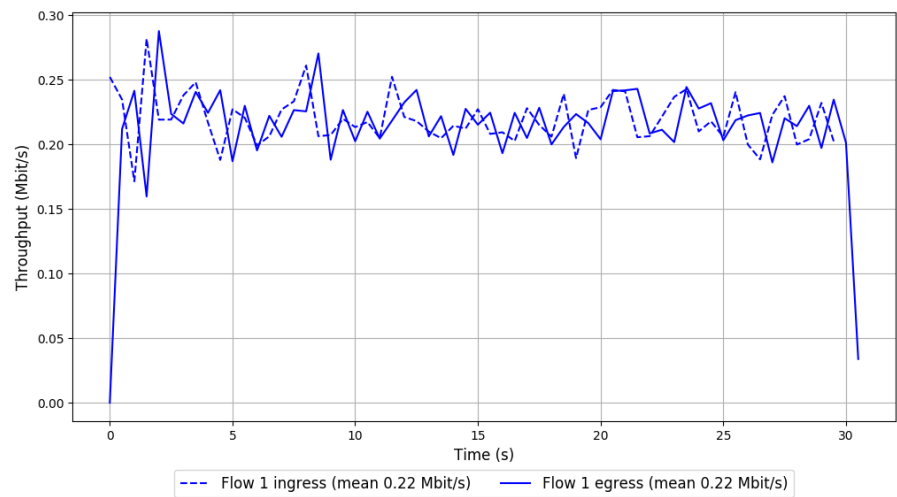
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.975 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

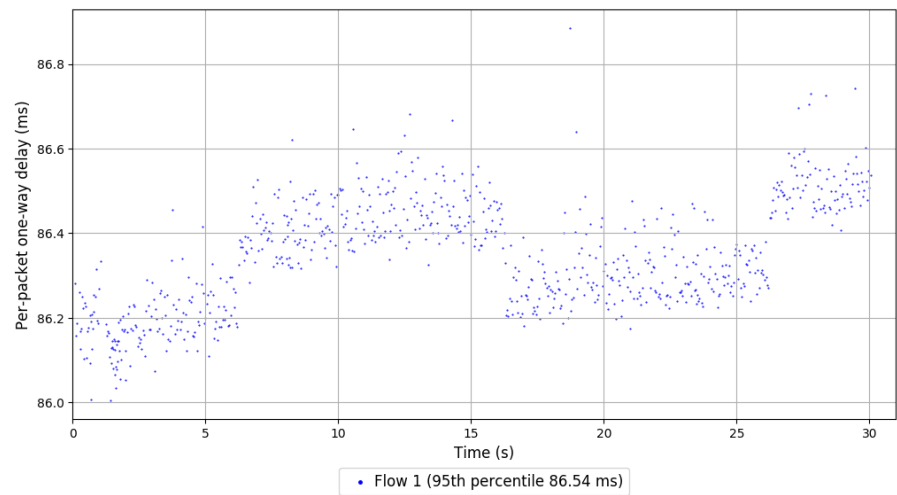
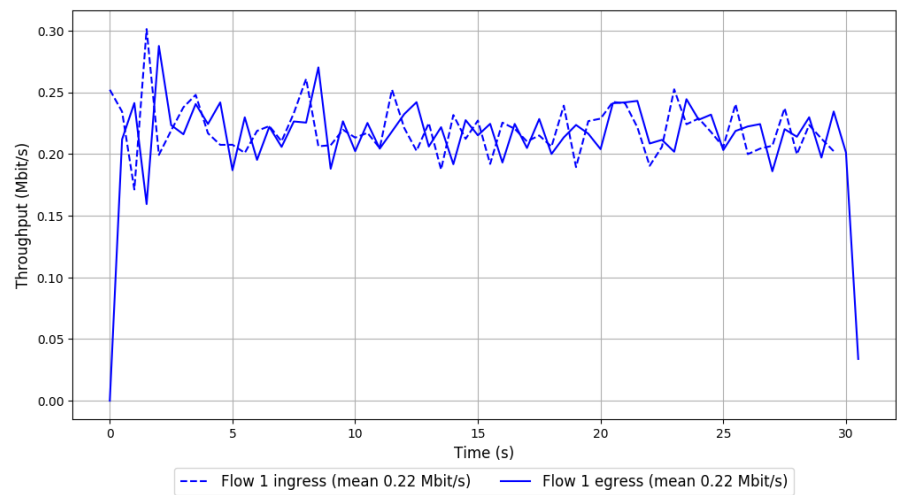


Run 3: Statistics of SCReAM

Start at: 2018-06-18 08:36:13
End at: 2018-06-18 08:36:43
Local clock offset: 16.712 ms
Remote clock offset: -0.893 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.541 ms
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-06-18 08:57:16

End at: 2018-06-18 08:57:46

Local clock offset: 8.846 ms

Remote clock offset: -0.24 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.00%

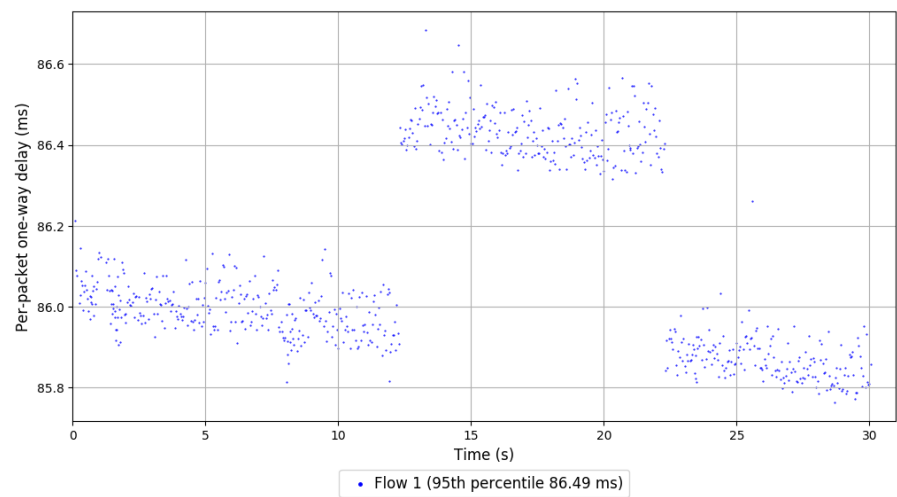
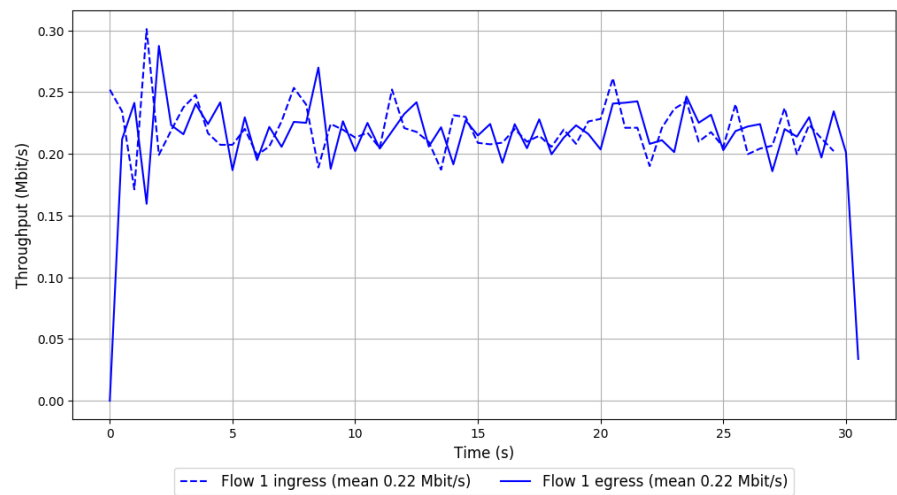
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.490 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-06-18 09:18:03

End at: 2018-06-18 09:18:33

Local clock offset: 9.425 ms

Remote clock offset: 0.131 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.990 ms

Loss rate: 0.00%

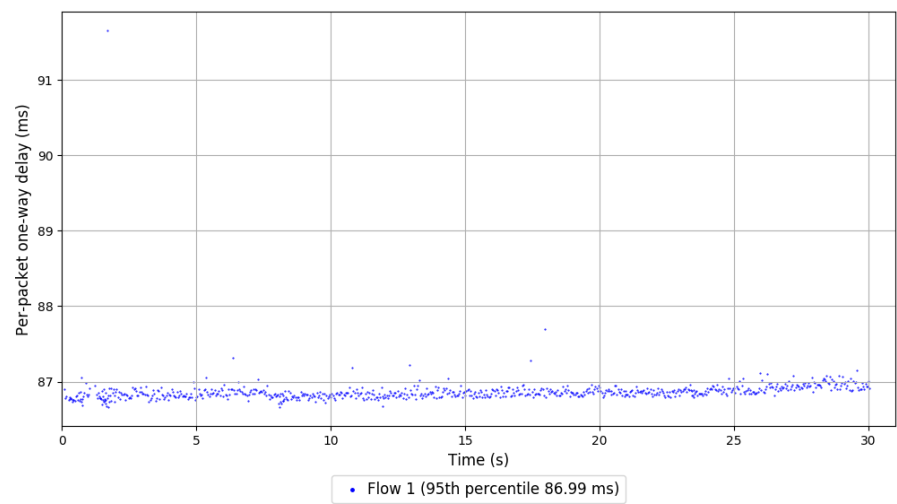
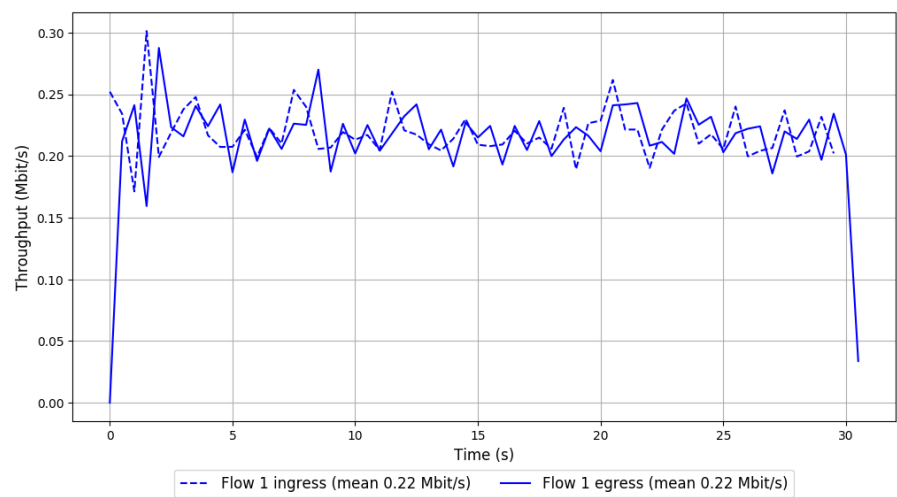
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.990 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-06-18 09:38:54

End at: 2018-06-18 09:39:24

Local clock offset: 2.372 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.761 ms

Loss rate: 0.00%

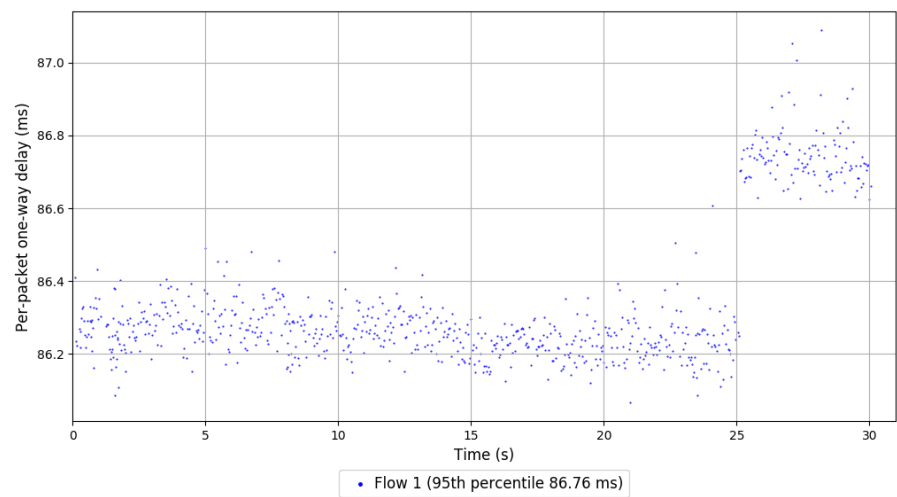
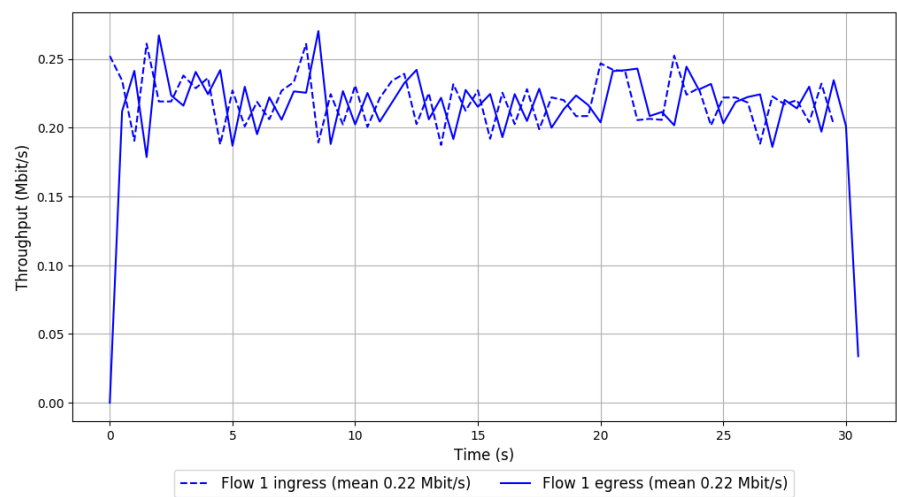
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.761 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

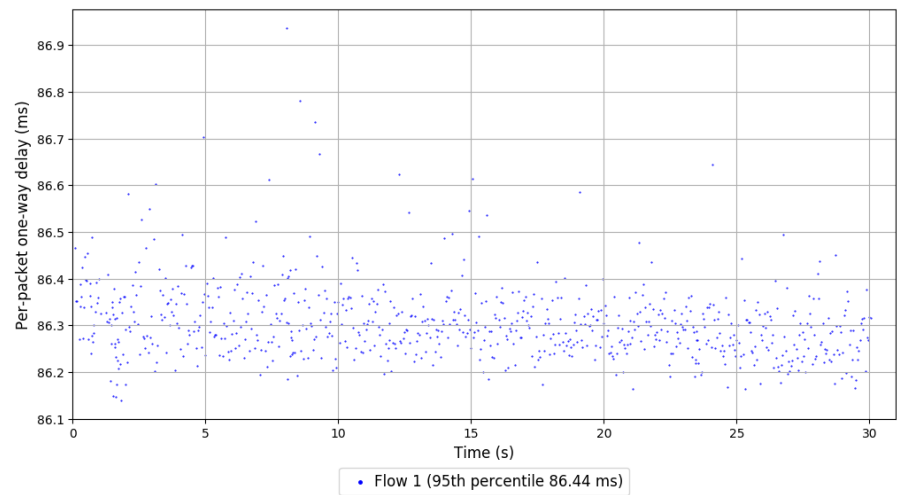
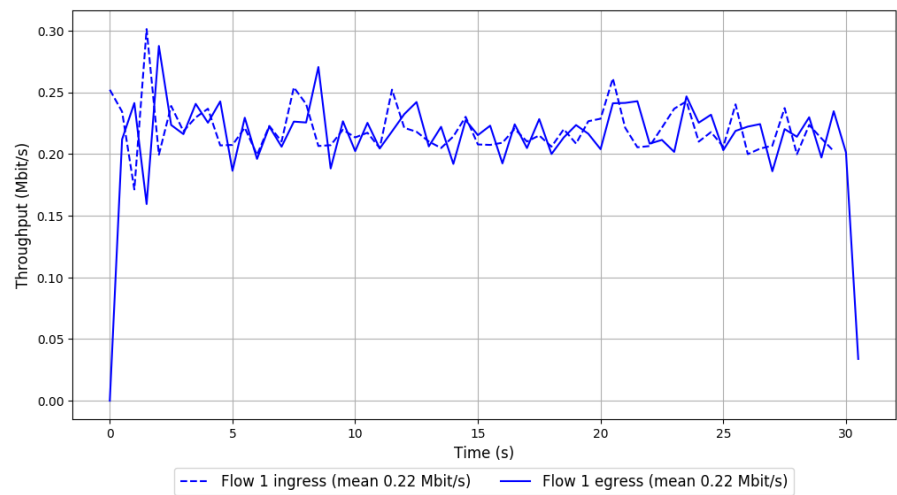


Run 7: Statistics of SCReAM

Start at: 2018-06-18 09:59:40
End at: 2018-06-18 10:00:10
Local clock offset: 1.301 ms
Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.436 ms
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link

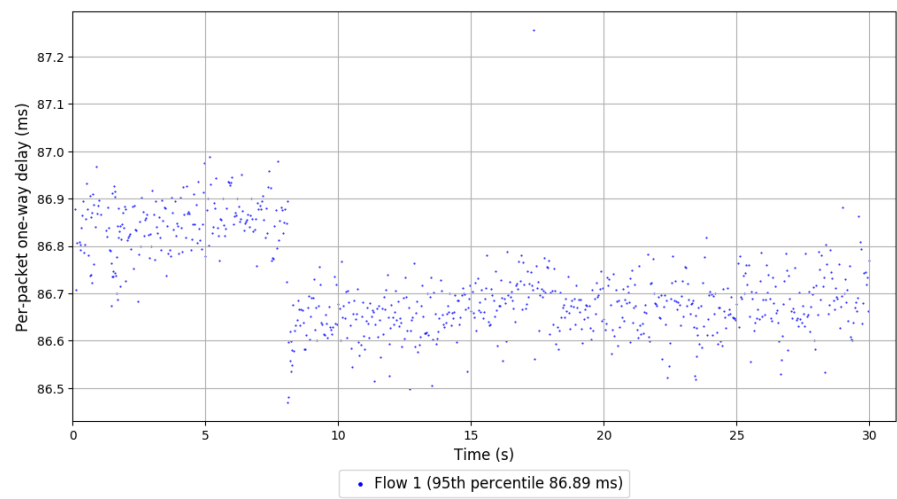
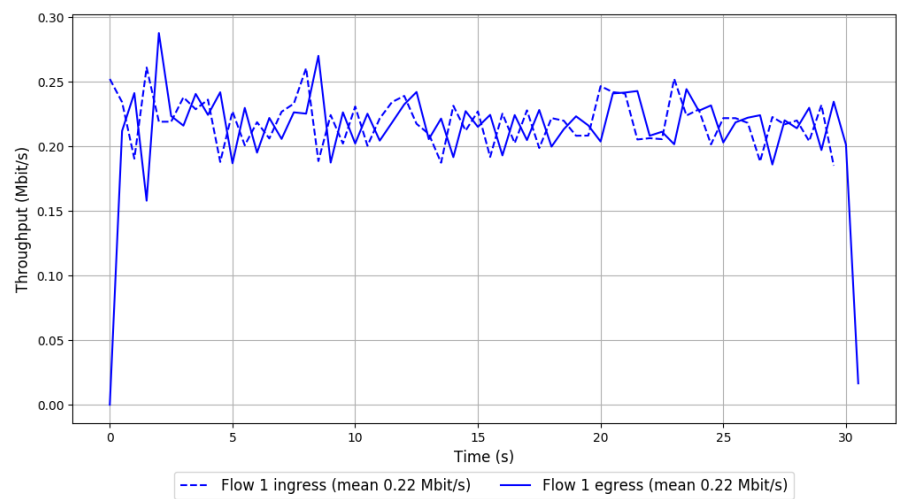


Run 8: Statistics of SCReAM

Start at: 2018-06-18 10:20:31
End at: 2018-06-18 10:21:01
Local clock offset: 0.789 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.895 ms
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2018-06-18 10:41:29

End at: 2018-06-18 10:41:59

Local clock offset: 0.418 ms

Remote clock offset: -0.07 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.918 ms

Loss rate: 0.00%

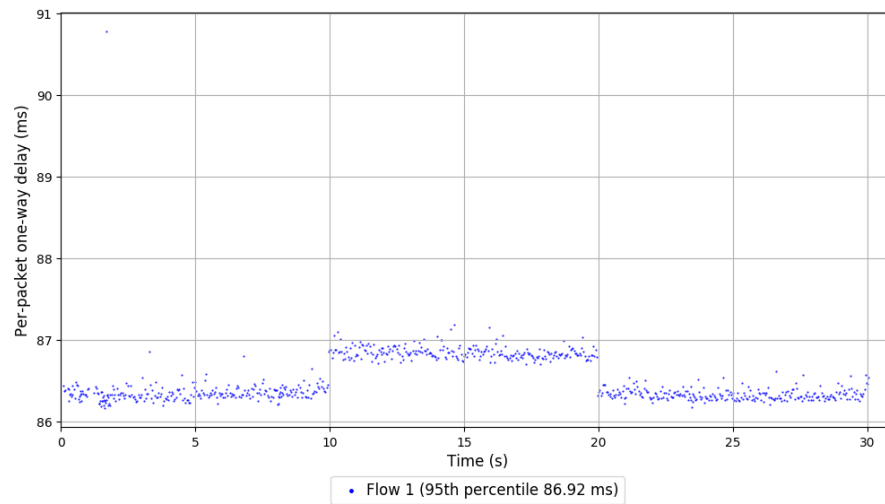
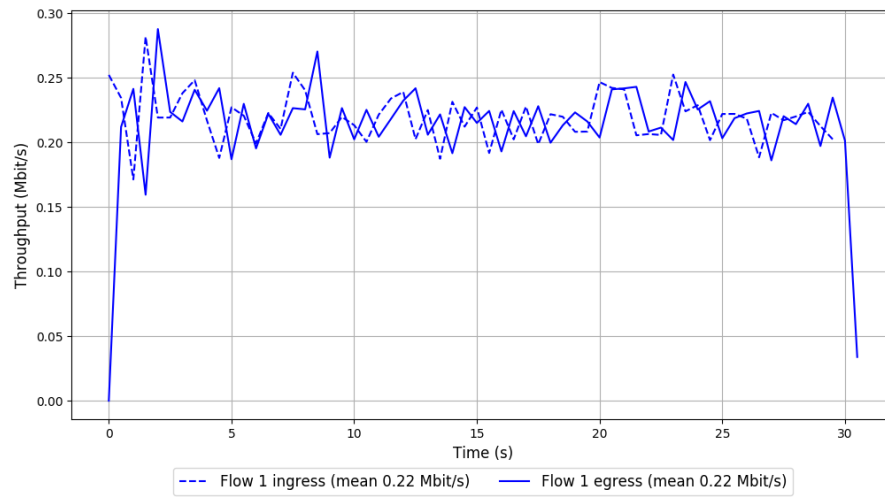
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.918 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

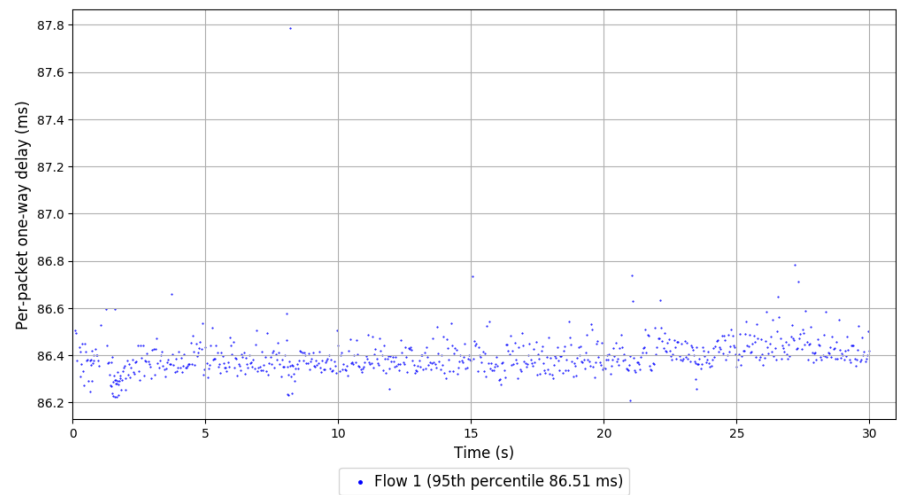
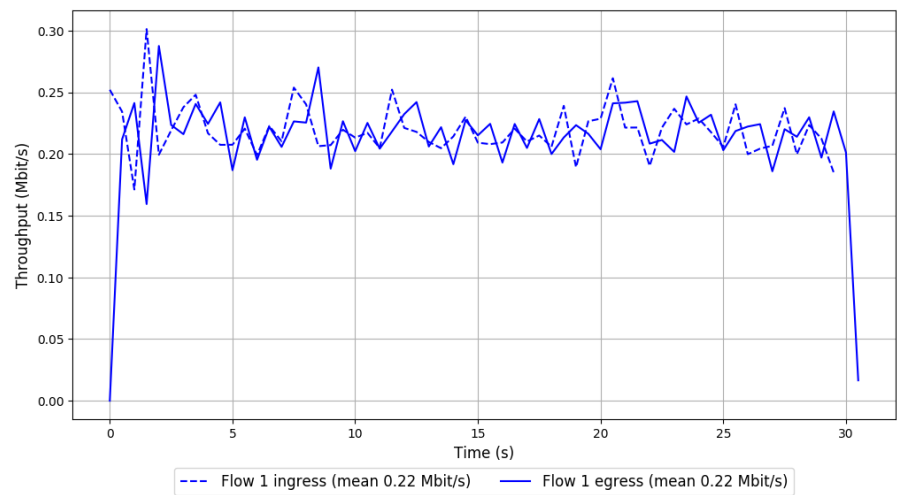


Run 10: Statistics of SCReAM

Start at: 2018-06-18 11:02:17
End at: 2018-06-18 11:02:47
Local clock offset: 0.463 ms
Remote clock offset: -0.038 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.506 ms
Loss rate: 0.00%

Run 10: Report of SCRaM — Data Link

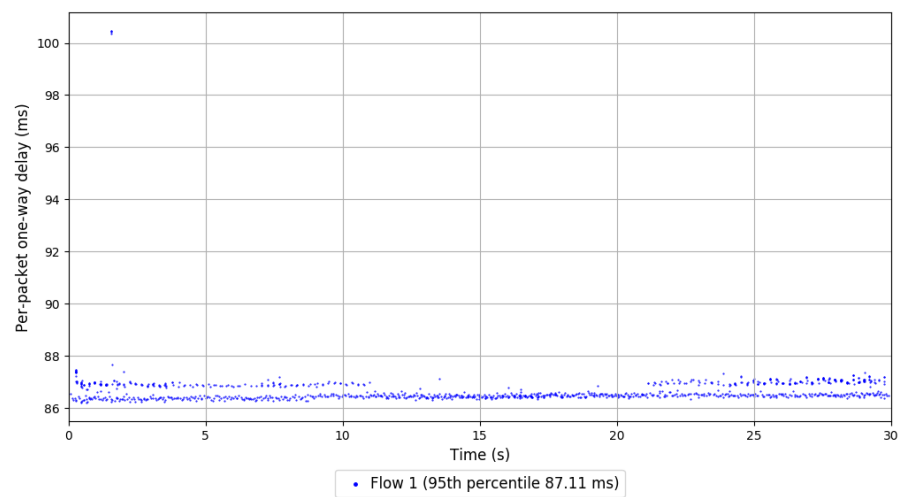
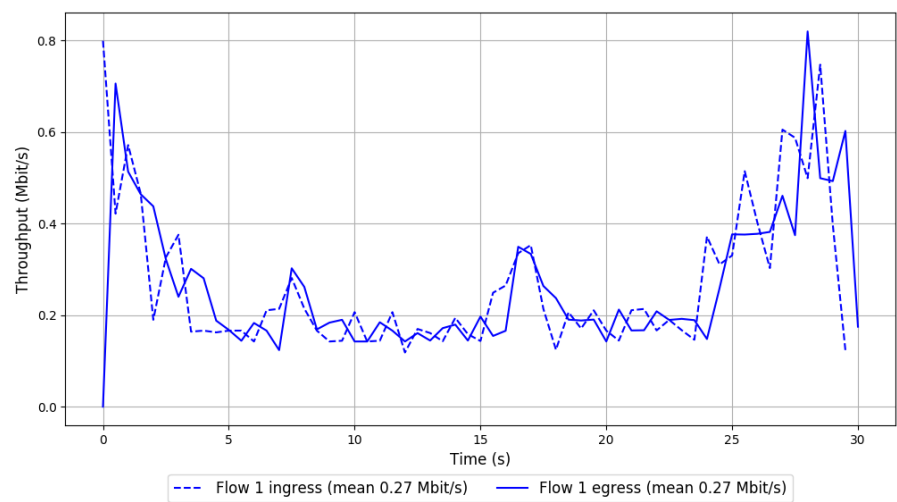


Run 1: Statistics of Sprout

Start at: 2018-06-18 07:48:38
End at: 2018-06-18 07:49:08
Local clock offset: 20.537 ms
Remote clock offset: -0.273 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 87.106 ms
Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

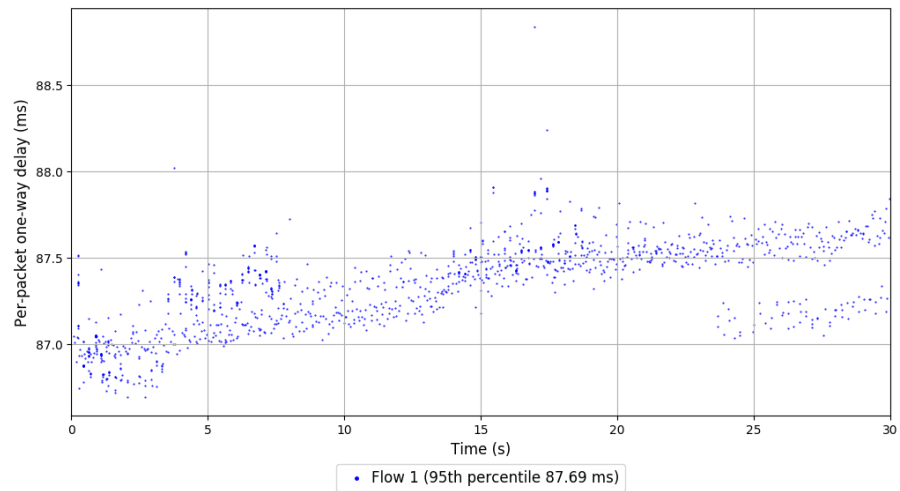
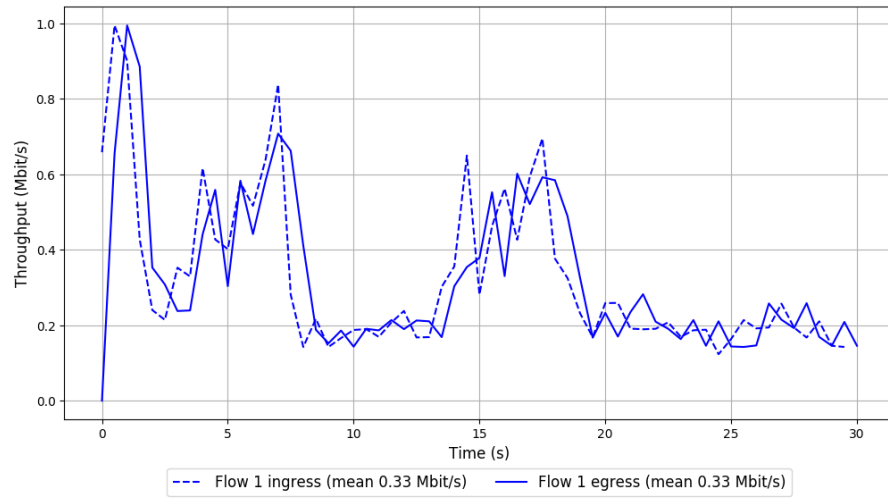


Run 2: Statistics of Sprout

Start at: 2018-06-18 08:09:25
End at: 2018-06-18 08:09:55
Local clock offset: 38.114 ms
Remote clock offset: -0.455 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.685 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.33 Mbit/s
95th percentile per-packet one-way delay: 87.685 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

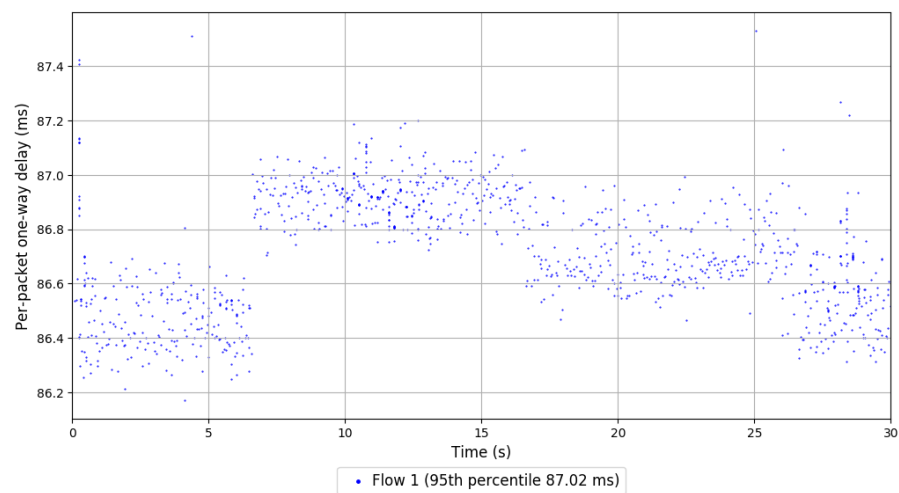
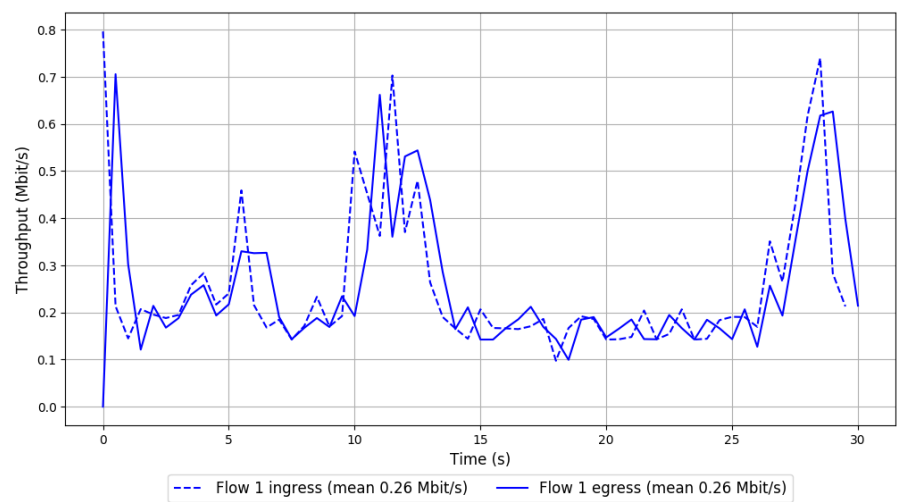


Run 3: Statistics of Sprout

Start at: 2018-06-18 08:30:12
End at: 2018-06-18 08:30:42
Local clock offset: 15.422 ms
Remote clock offset: -0.783 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.020 ms
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

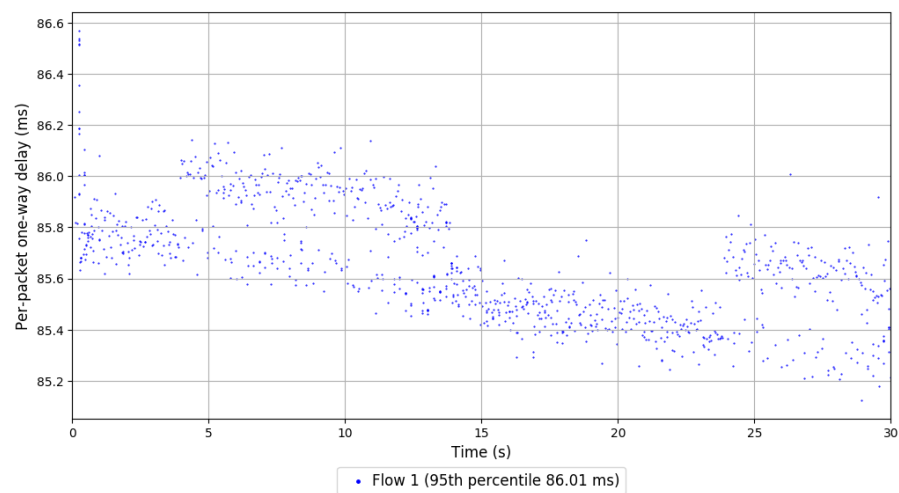
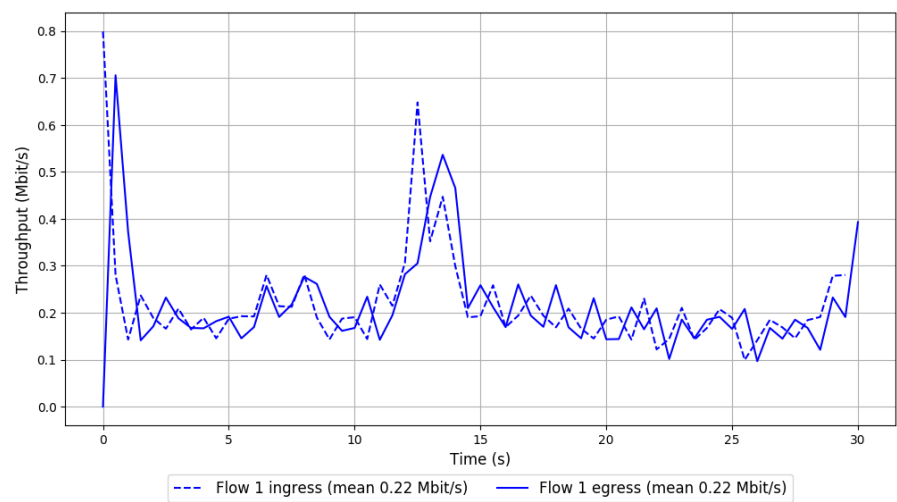


Run 4: Statistics of Sprout

Start at: 2018-06-18 08:51:15
End at: 2018-06-18 08:51:45
Local clock offset: 13.235 ms
Remote clock offset: -0.601 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.011 ms
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2018-06-18 09:12:02

End at: 2018-06-18 09:12:32

Local clock offset: 8.522 ms

Remote clock offset: 0.03 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.00%

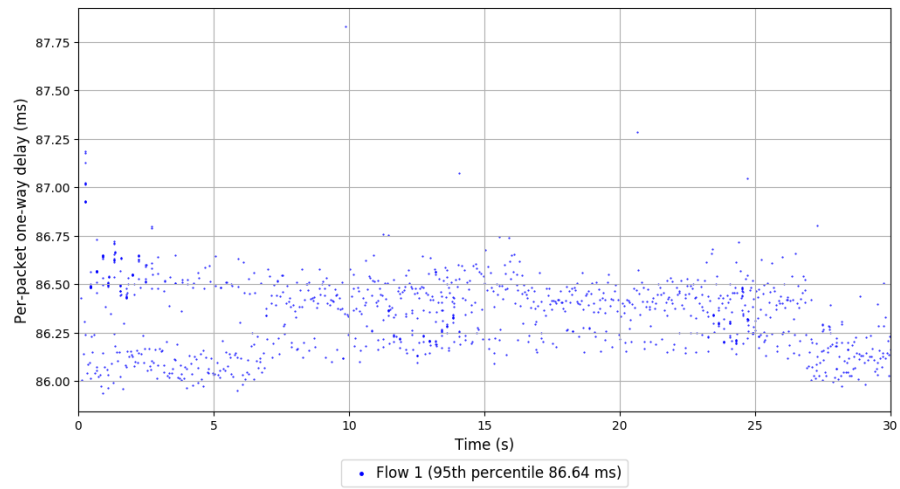
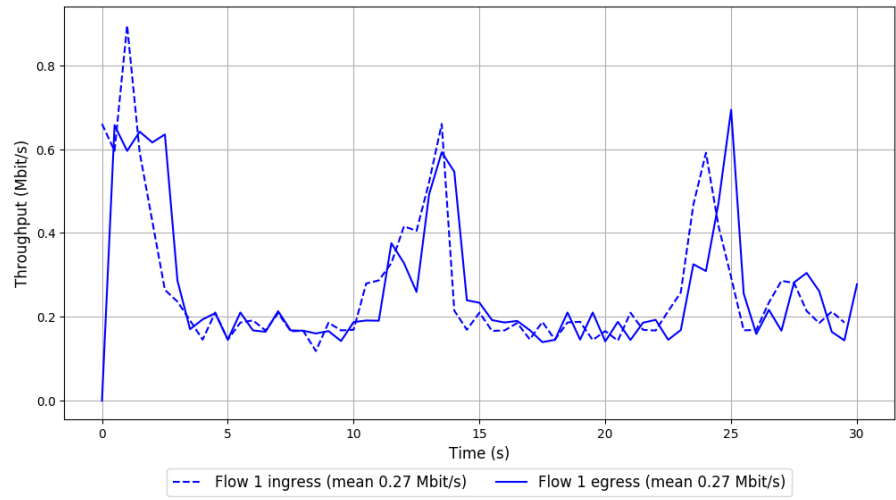
-- Flow 1:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 86.636 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-06-18 09:32:53

End at: 2018-06-18 09:33:23

Local clock offset: 3.216 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.396 ms

Loss rate: 0.00%

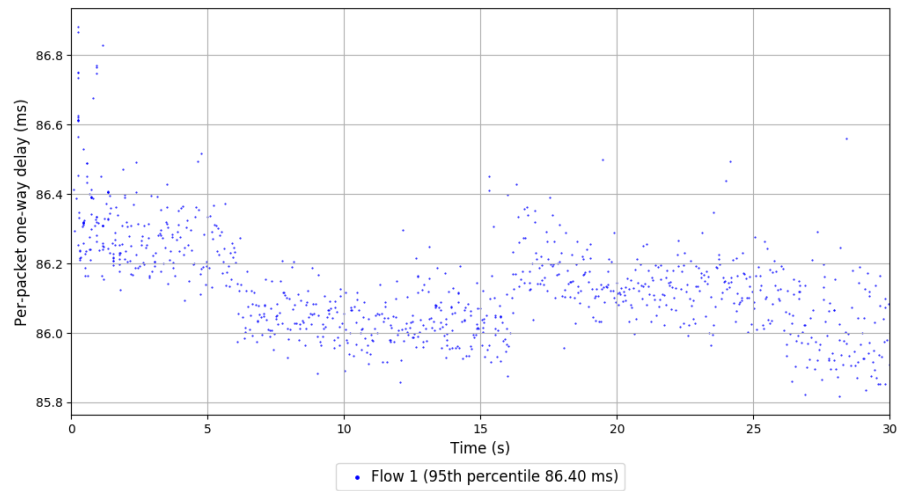
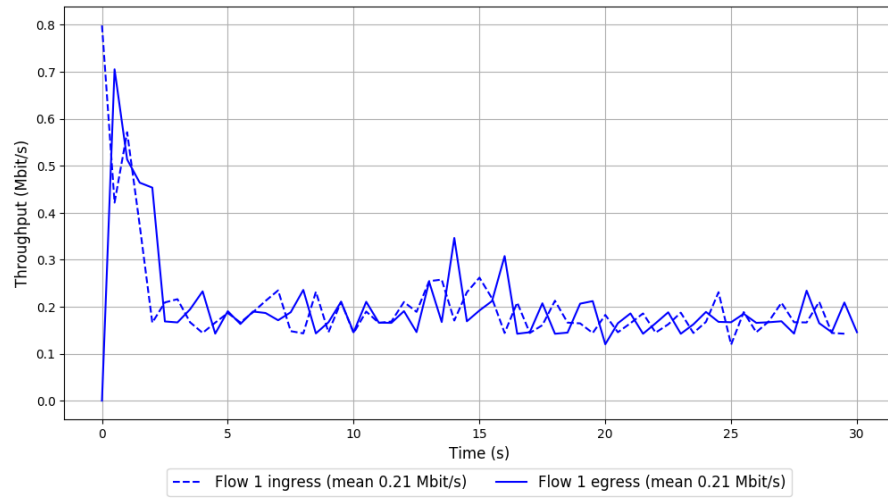
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 86.396 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2018-06-18 09:53:40

End at: 2018-06-18 09:54:10

Local clock offset: 2.189 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.016 ms

Loss rate: 0.00%

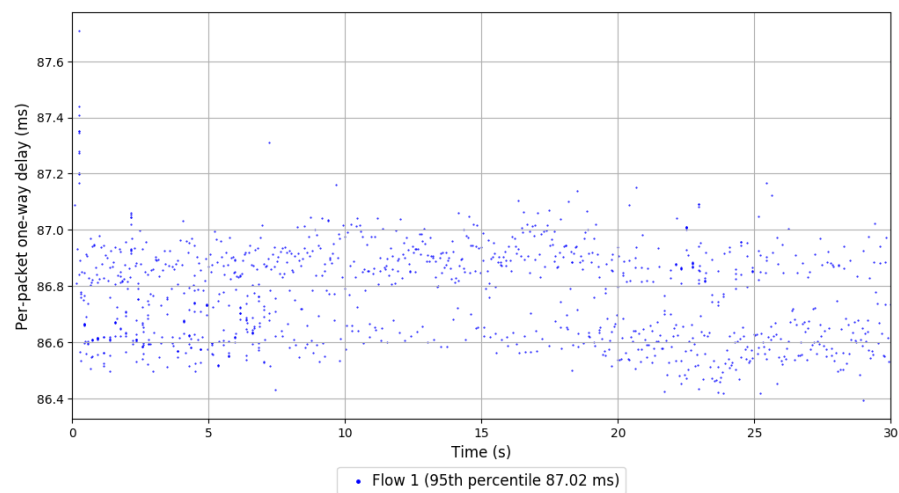
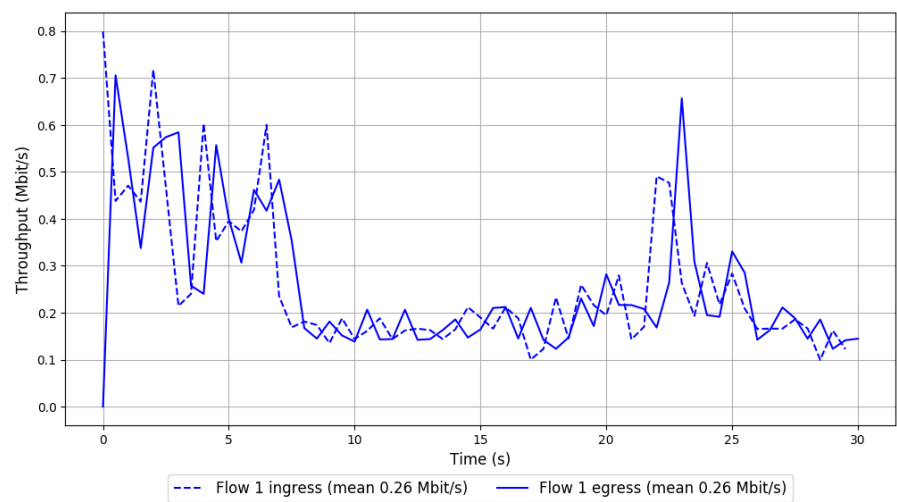
-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 87.016 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

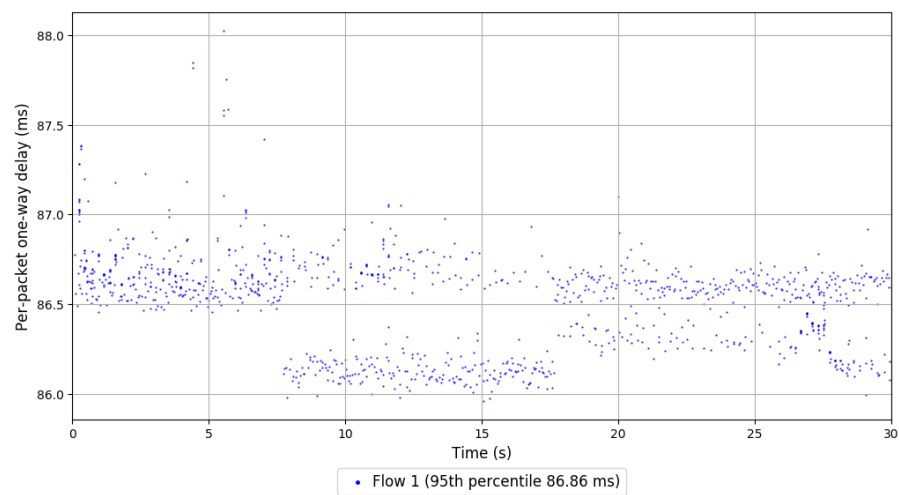
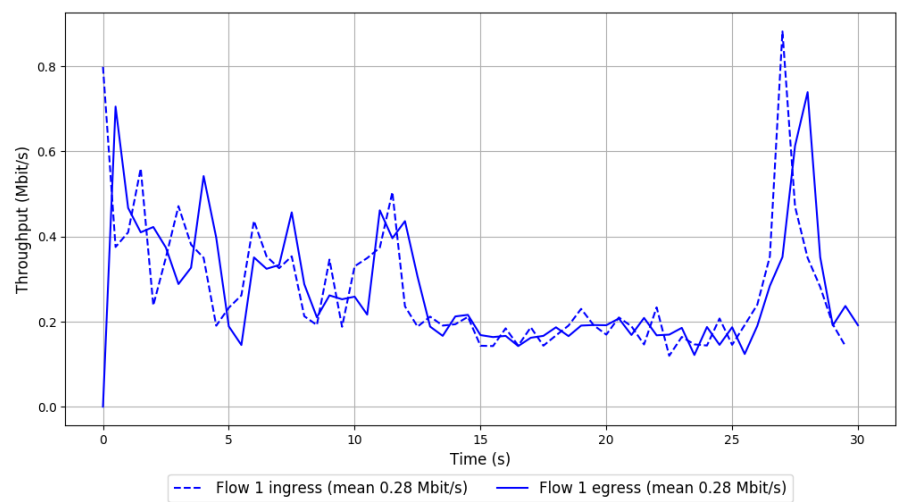


Run 8: Statistics of Sprout

Start at: 2018-06-18 10:14:31
End at: 2018-06-18 10:15:01
Local clock offset: 0.835 ms
Remote clock offset: -0.054 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.864 ms
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

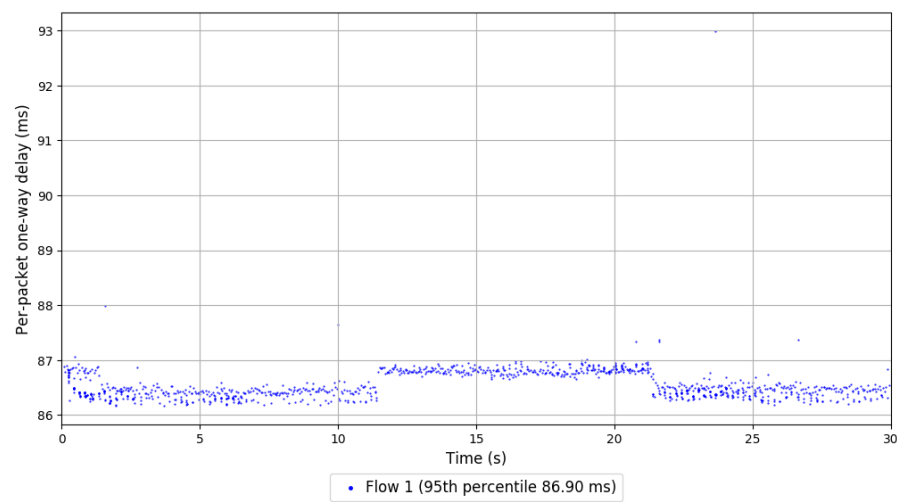
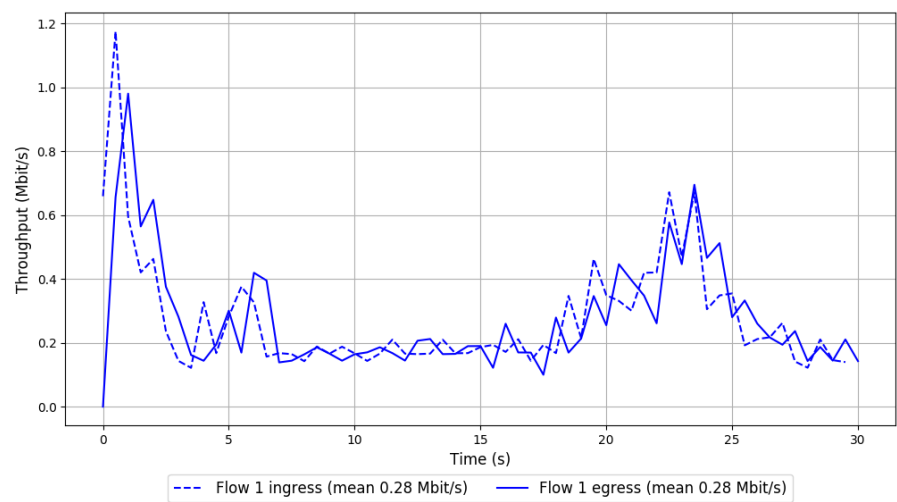


Run 9: Statistics of Sprout

Start at: 2018-06-18 10:35:27
End at: 2018-06-18 10:35:58
Local clock offset: 0.531 ms
Remote clock offset: -0.023 ms

Below is generated by plot.py at 2018-06-18 12:17:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.28 Mbit/s
95th percentile per-packet one-way delay: 86.897 ms
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-06-18 10:56:16
End at: 2018-06-18 10:56:46
Local clock offset: 0.678 ms
Remote clock offset: -0.039 ms

Below is generated by plot.py at 2018-06-18 12:17:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.445 ms

Loss rate: 0.00%

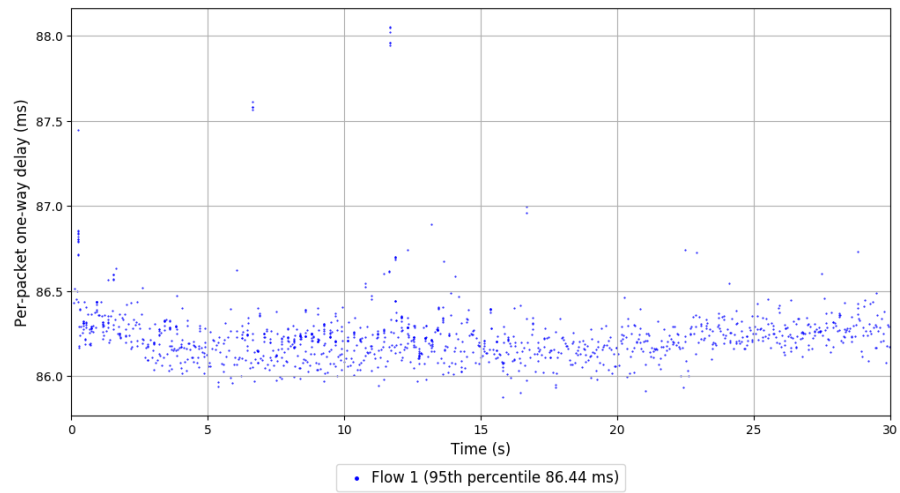
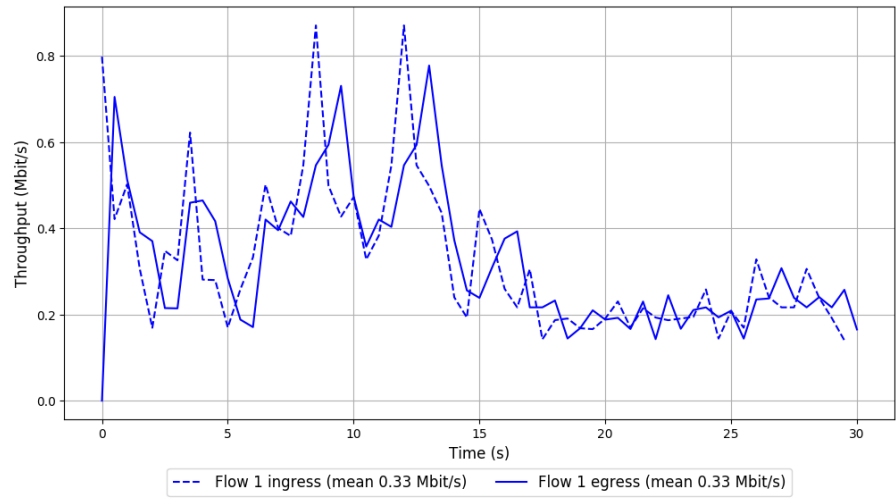
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 86.445 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

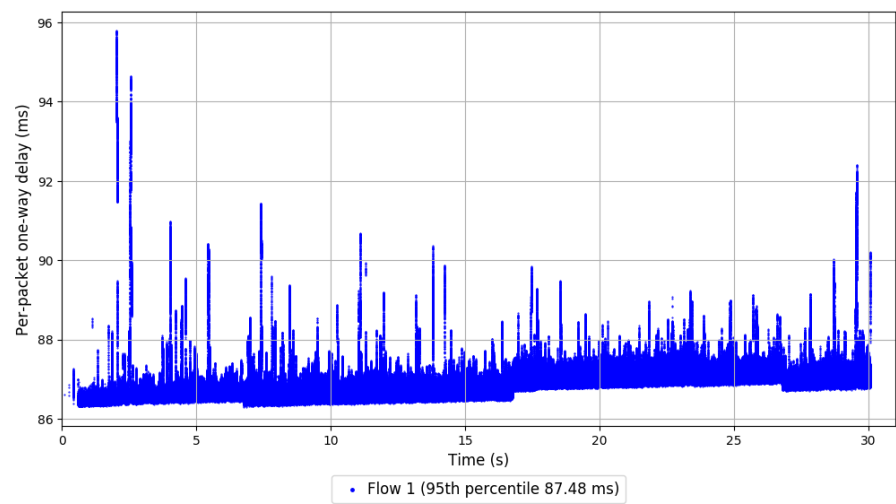
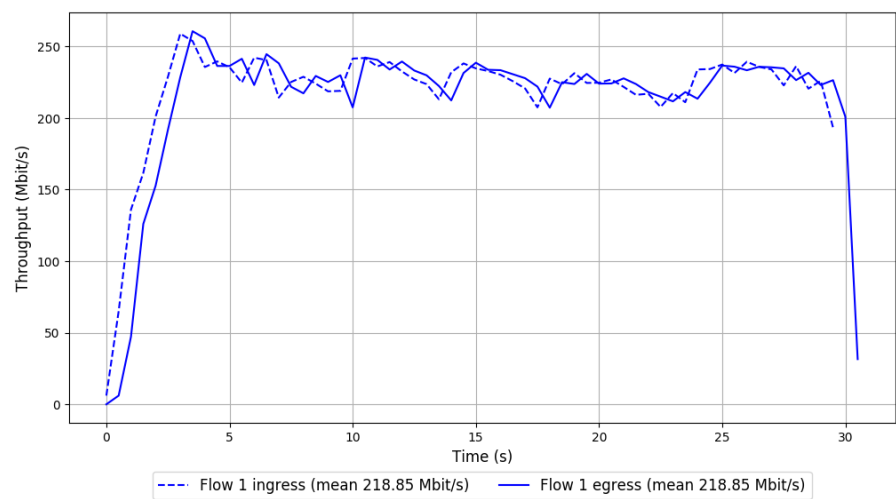


Run 1: Statistics of TaoVA-100x

Start at: 2018-06-18 07:58:31
End at: 2018-06-18 07:59:01
Local clock offset: 26.837 ms
Remote clock offset: -0.395 ms

Below is generated by plot.py at 2018-06-18 12:20:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 218.85 Mbit/s
95th percentile per-packet one-way delay: 87.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 218.85 Mbit/s
95th percentile per-packet one-way delay: 87.485 ms
Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: 2018-06-18 08:19:23

End at: 2018-06-18 08:19:54

Local clock offset: 22.316 ms

Remote clock offset: -0.637 ms

Below is generated by plot.py at 2018-06-18 12:20:34

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.28 Mbit/s

95th percentile per-packet one-way delay: 85.813 ms

Loss rate: 0.00%

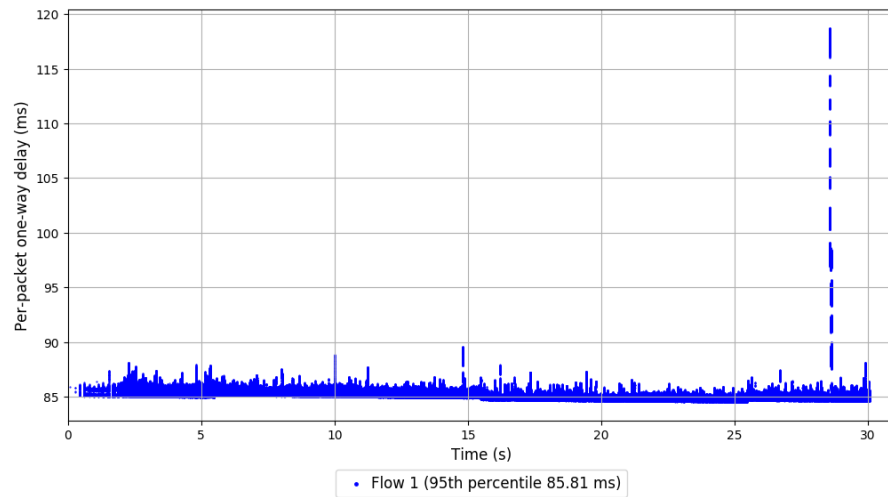
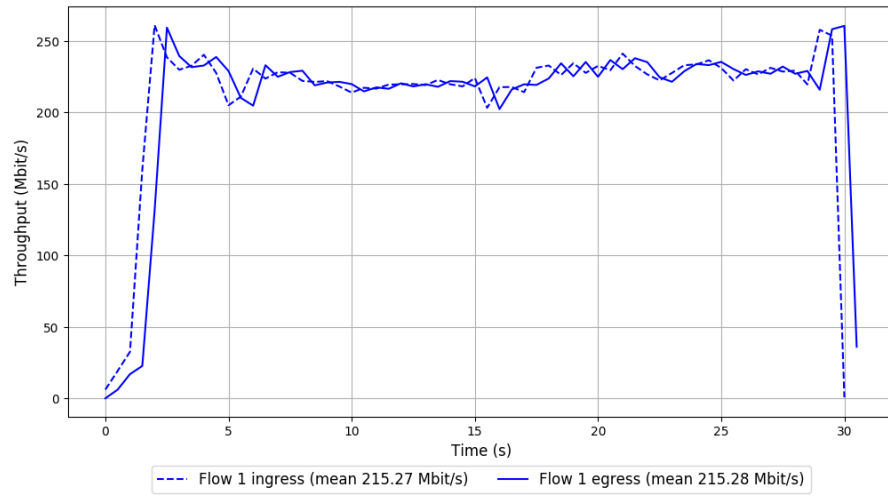
-- Flow 1:

Average throughput: 215.28 Mbit/s

95th percentile per-packet one-way delay: 85.813 ms

Loss rate: 0.00%

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

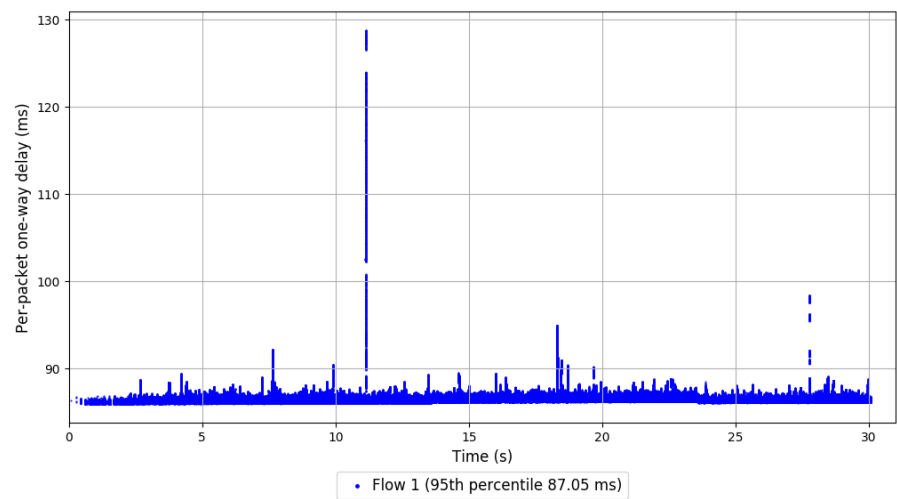
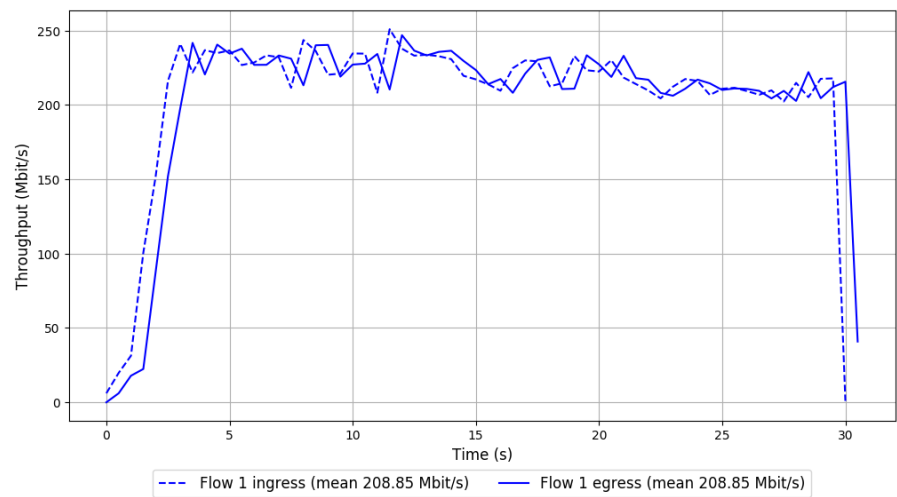


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-18 08:40:15
End at: 2018-06-18 08:40:45
Local clock offset: 18.122 ms
Remote clock offset: -1.039 ms

Below is generated by plot.py at 2018-06-18 12:22:57
Datalink statistics
-- Total of 1 flow:
Average throughput: 208.85 Mbit/s
95th percentile per-packet one-way delay: 87.049 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.85 Mbit/s
95th percentile per-packet one-way delay: 87.049 ms
Loss rate: 0.00%

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

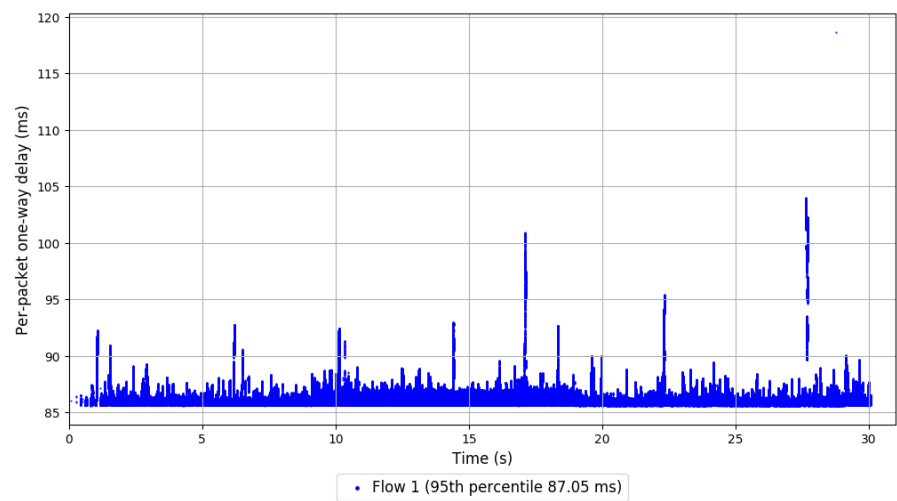
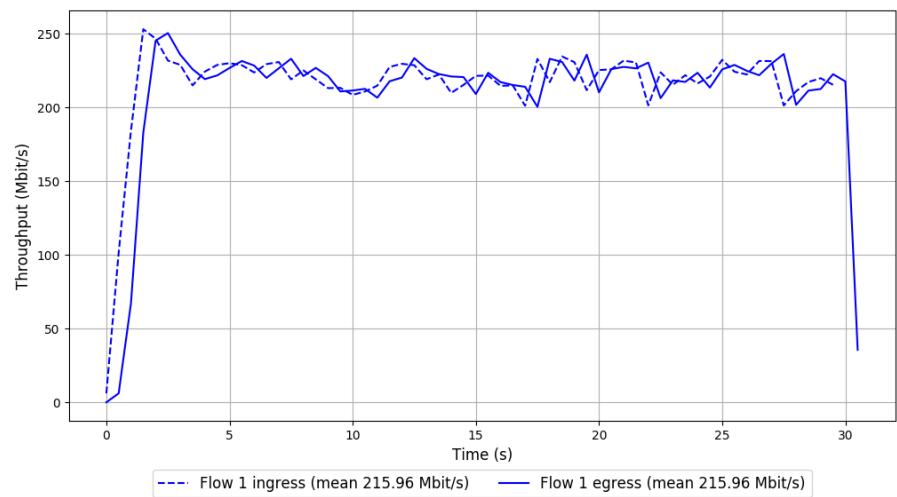


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-18 09:01:10
End at: 2018-06-18 09:01:40
Local clock offset: 8.09 ms
Remote clock offset: -0.132 ms

Below is generated by plot.py at 2018-06-18 12:23:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 215.96 Mbit/s
95th percentile per-packet one-way delay: 87.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 215.96 Mbit/s
95th percentile per-packet one-way delay: 87.051 ms
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-06-18 09:22:02

End at: 2018-06-18 09:22:32

Local clock offset: 8.53 ms

Remote clock offset: 0.138 ms

Below is generated by plot.py at 2018-06-18 12:23:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.54 Mbit/s

95th percentile per-packet one-way delay: 86.413 ms

Loss rate: 0.00%

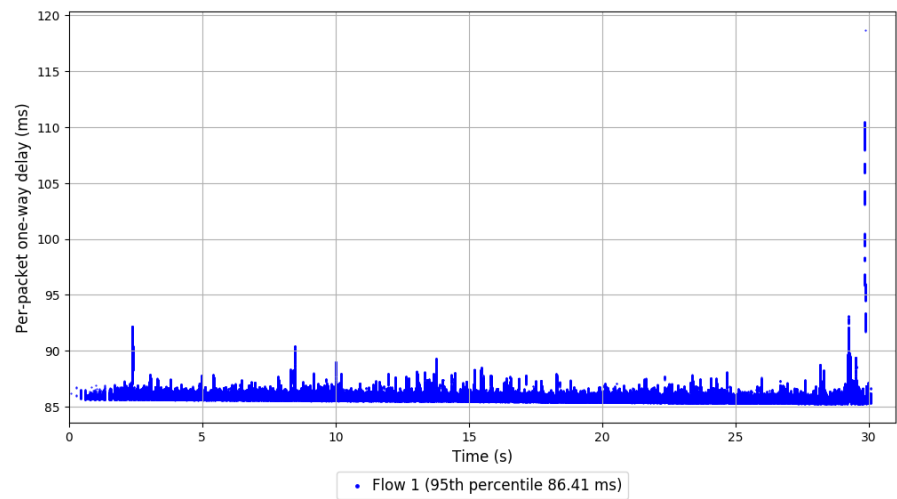
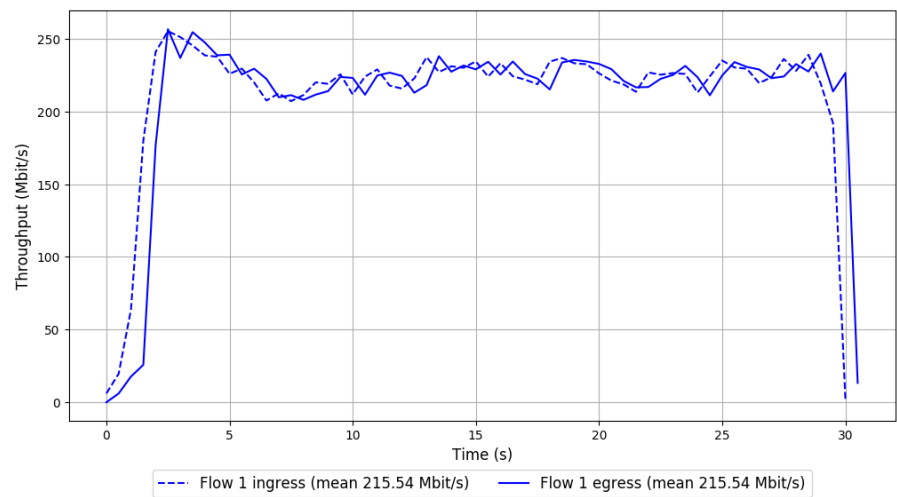
-- Flow 1:

Average throughput: 215.54 Mbit/s

95th percentile per-packet one-way delay: 86.413 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-06-18 09:42:56

End at: 2018-06-18 09:43:26

Local clock offset: 2.222 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at 2018-06-18 12:23:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 214.37 Mbit/s

95th percentile per-packet one-way delay: 87.329 ms

Loss rate: 0.00%

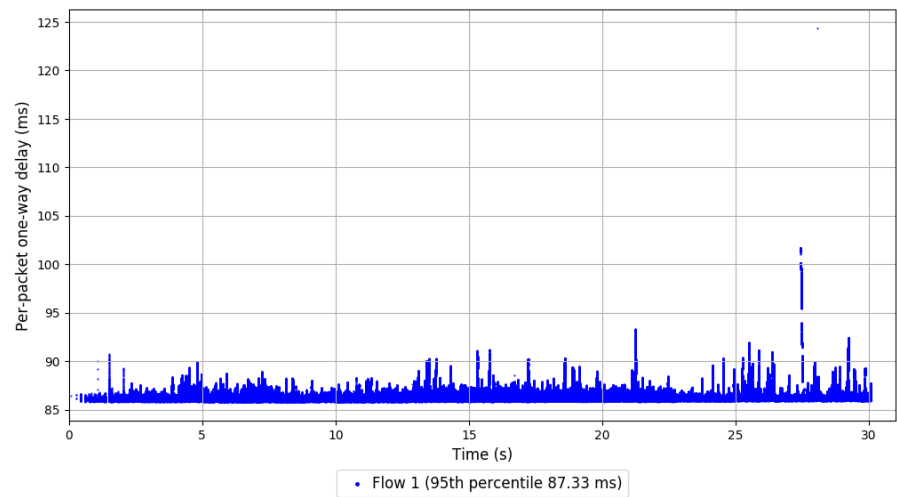
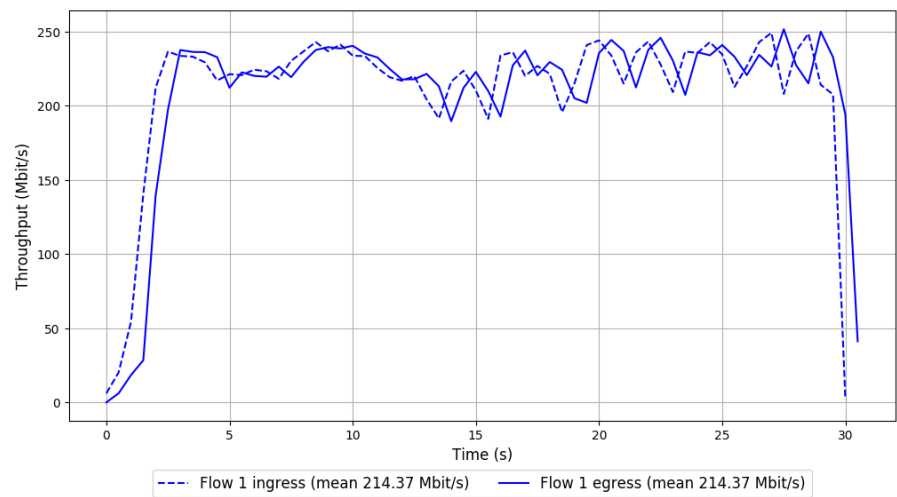
-- Flow 1:

Average throughput: 214.37 Mbit/s

95th percentile per-packet one-way delay: 87.329 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-18 10:03:40

End at: 2018-06-18 10:04:10

Local clock offset: 1.283 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at 2018-06-18 12:24:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.90 Mbit/s

95th percentile per-packet one-way delay: 86.786 ms

Loss rate: 0.00%

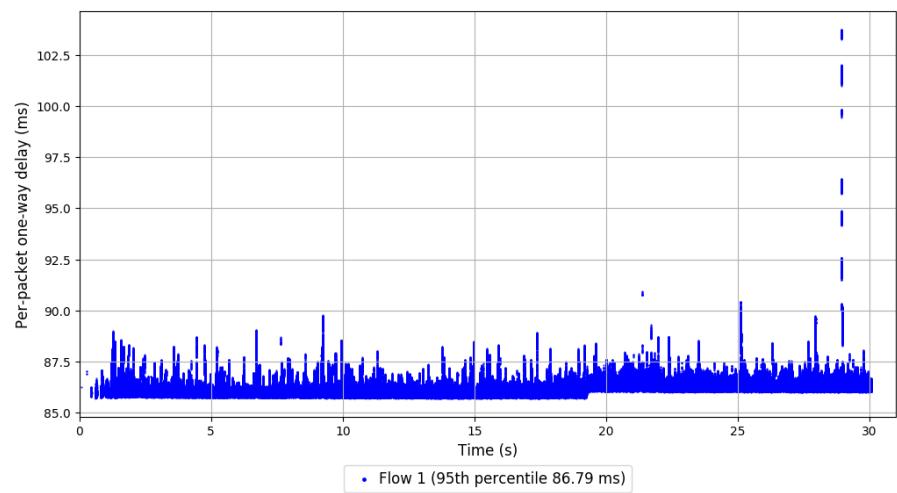
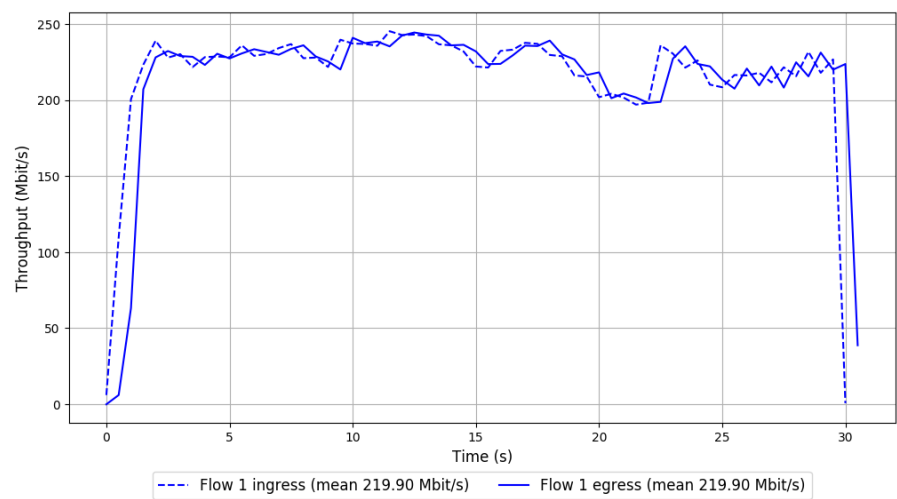
-- Flow 1:

Average throughput: 219.90 Mbit/s

95th percentile per-packet one-way delay: 86.786 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-06-18 10:24:28

End at: 2018-06-18 10:24:58

Local clock offset: 1.133 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at 2018-06-18 12:24:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 224.65 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.01%

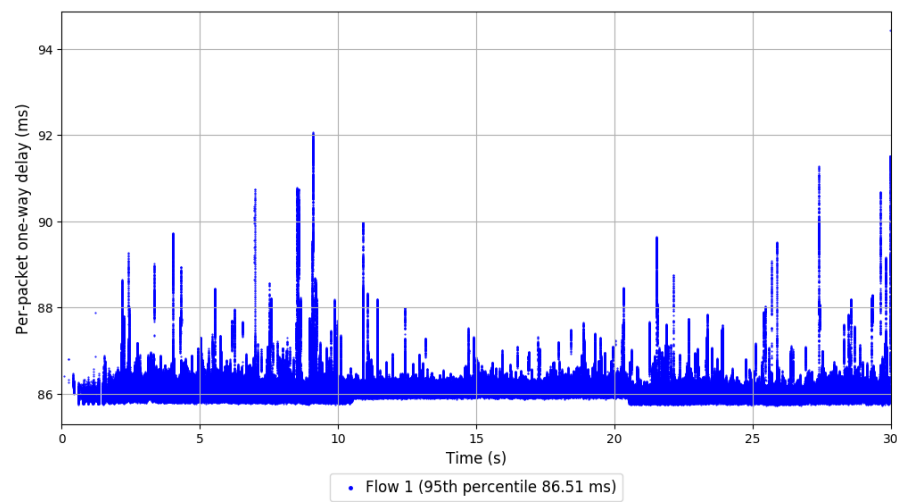
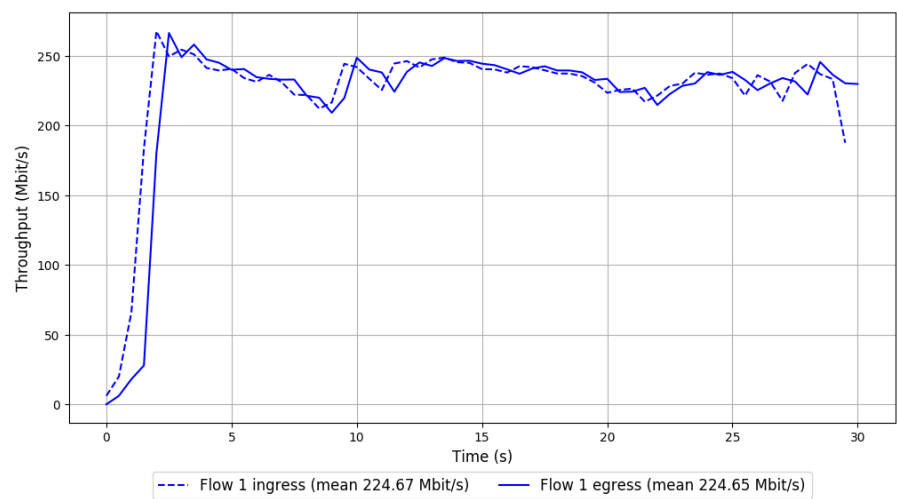
-- Flow 1:

Average throughput: 224.65 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.01%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-06-18 10:45:29

End at: 2018-06-18 10:45:59

Local clock offset: 0.455 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.66 Mbit/s

95th percentile per-packet one-way delay: 87.495 ms

Loss rate: 0.00%

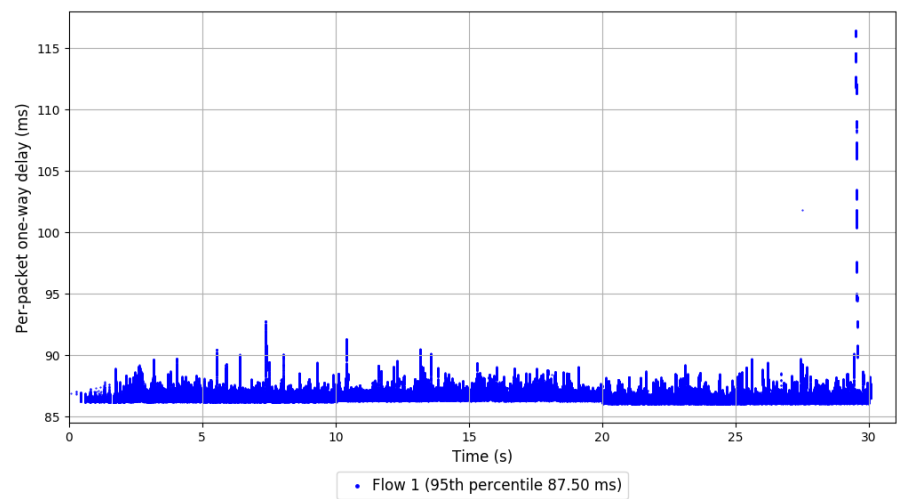
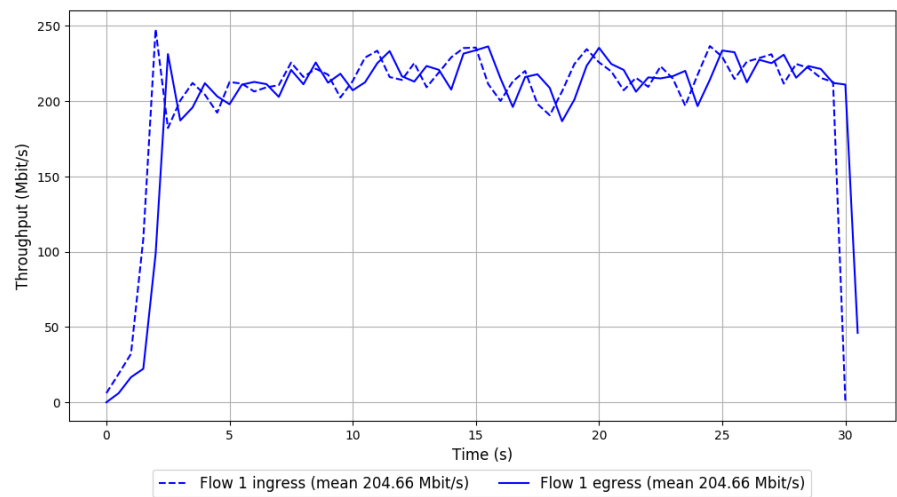
-- Flow 1:

Average throughput: 204.66 Mbit/s

95th percentile per-packet one-way delay: 87.495 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-06-18 11:06:15

End at: 2018-06-18 11:06:45

Local clock offset: 0.532 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 87.516 ms

Loss rate: 0.00%

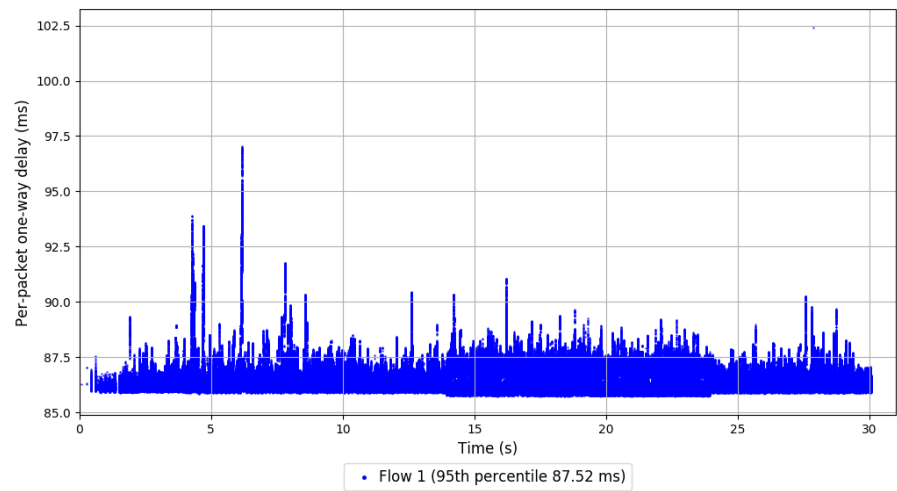
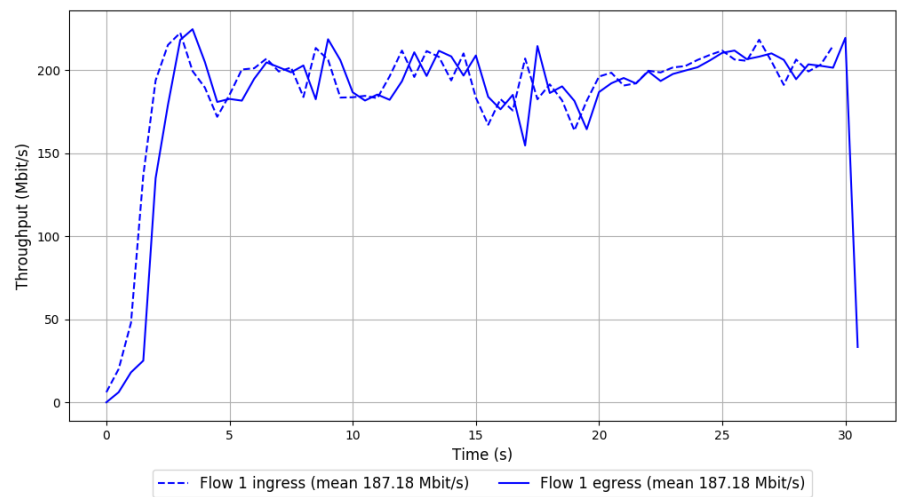
-- Flow 1:

Average throughput: 187.18 Mbit/s

95th percentile per-packet one-way delay: 87.516 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-06-18 07:40:24
End at: 2018-06-18 07:40:54
Local clock offset: 23.731 ms
Remote clock offset: -0.366 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.73 Mbit/s

95th percentile per-packet one-way delay: 95.085 ms

Loss rate: 0.00%

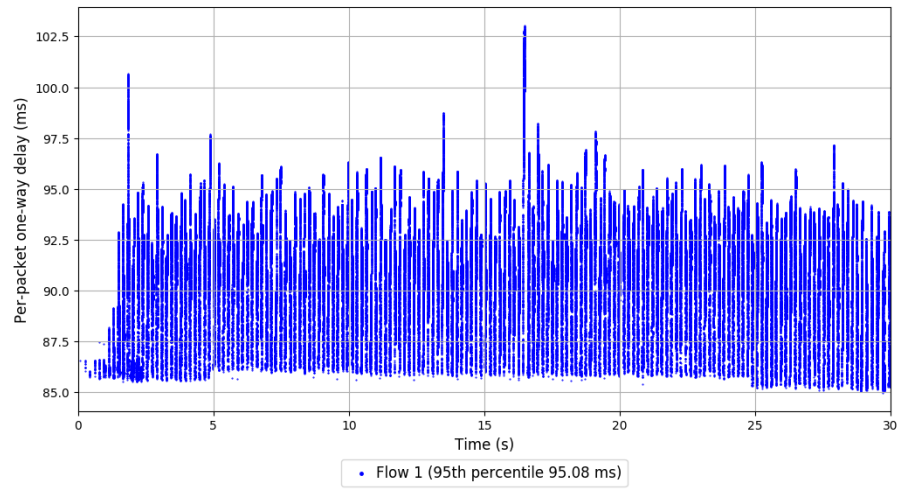
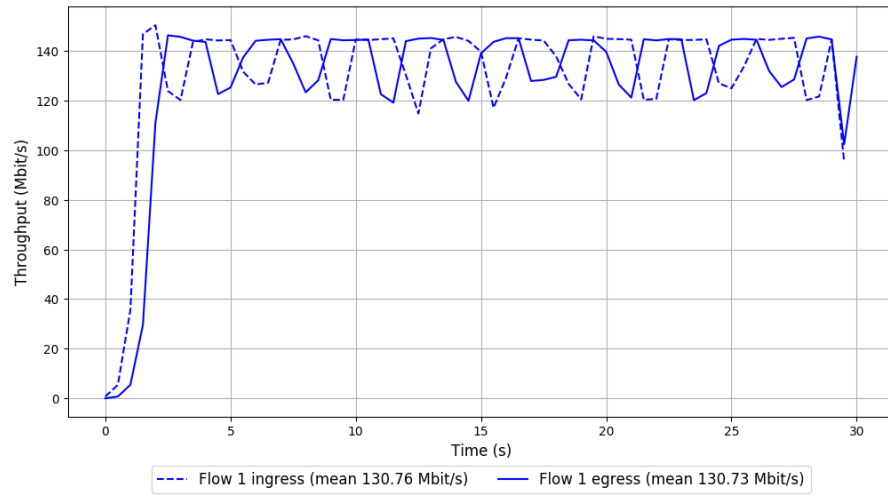
-- Flow 1:

Average throughput: 130.73 Mbit/s

95th percentile per-packet one-way delay: 95.085 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-06-18 08:01:07

End at: 2018-06-18 08:01:37

Local clock offset: 29.35 ms

Remote clock offset: -0.39 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.66 Mbit/s

95th percentile per-packet one-way delay: 96.638 ms

Loss rate: 0.00%

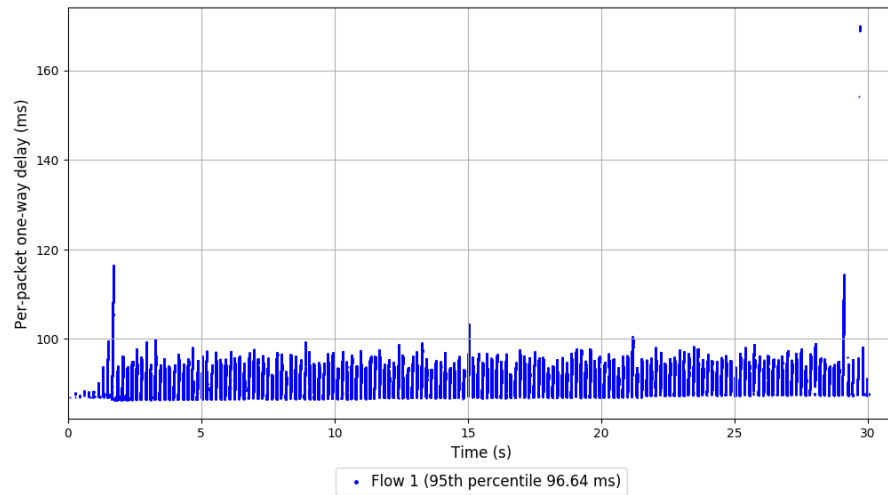
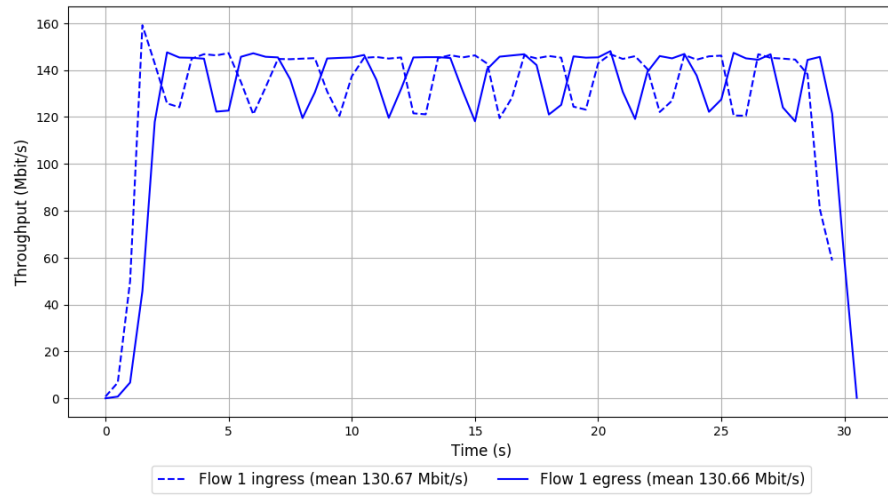
-- Flow 1:

Average throughput: 130.66 Mbit/s

95th percentile per-packet one-way delay: 96.638 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link

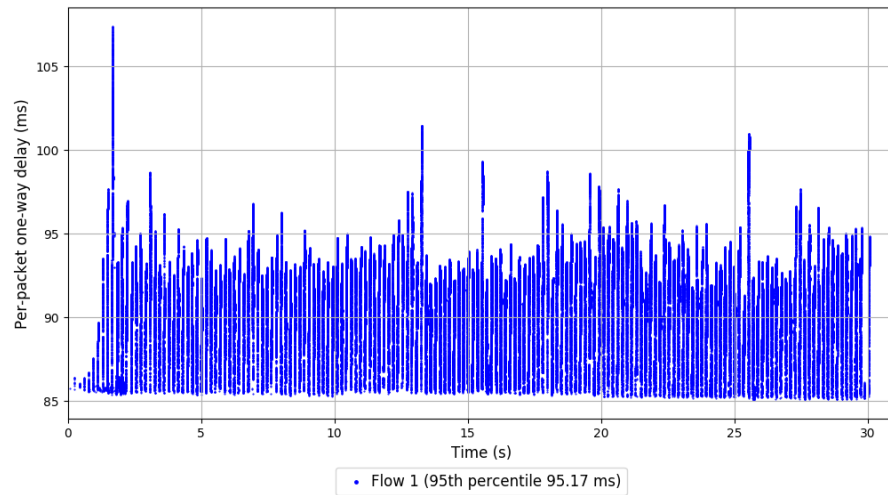
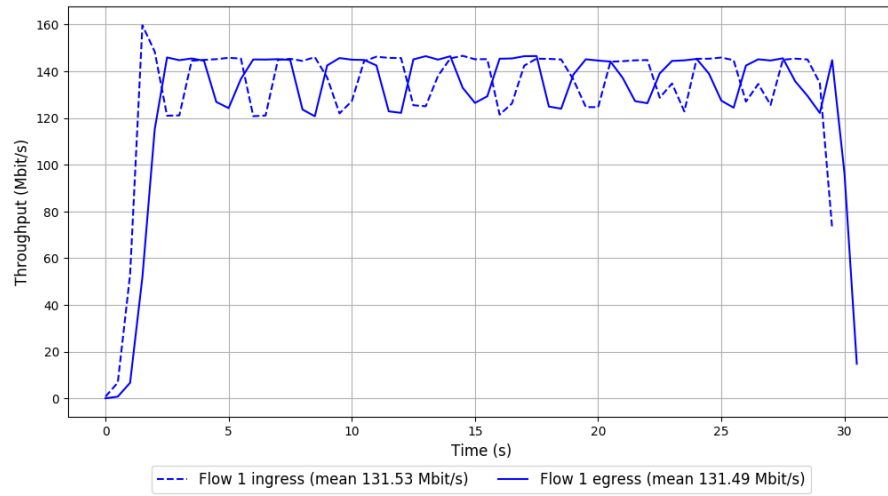


Run 3: Statistics of TCP Vegas

Start at: 2018-06-18 08:21:59
End at: 2018-06-18 08:22:29
Local clock offset: 19.108 ms
Remote clock offset: -0.691 ms

Below is generated by plot.py at 2018-06-18 12:27:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.49 Mbit/s
95th percentile per-packet one-way delay: 95.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 131.49 Mbit/s
95th percentile per-packet one-way delay: 95.170 ms
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

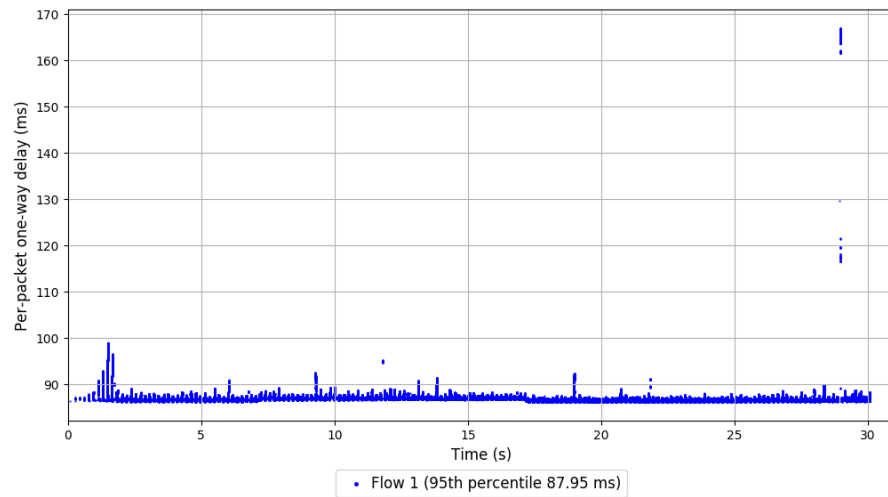
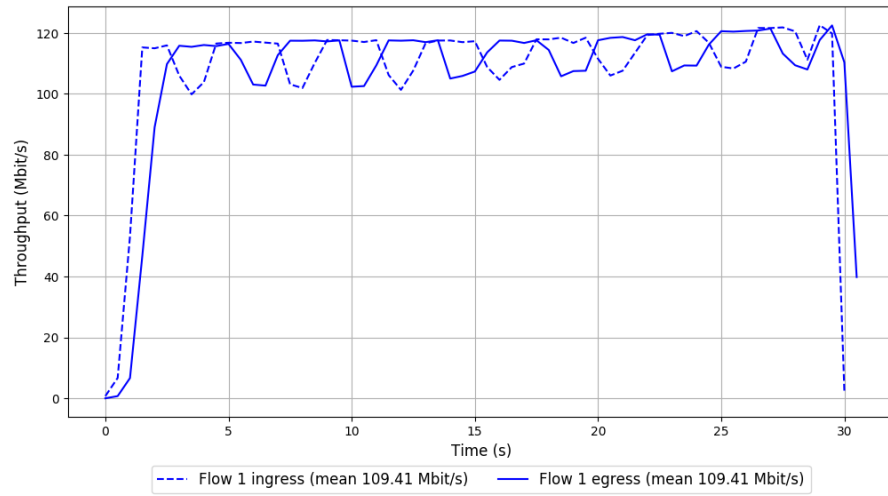


Run 4: Statistics of TCP Vegas

Start at: 2018-06-18 08:42:52
End at: 2018-06-18 08:43:22
Local clock offset: 19.18 ms
Remote clock offset: -1.041 ms

Below is generated by plot.py at 2018-06-18 12:27:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 109.41 Mbit/s
95th percentile per-packet one-way delay: 87.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.41 Mbit/s
95th percentile per-packet one-way delay: 87.946 ms
Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link

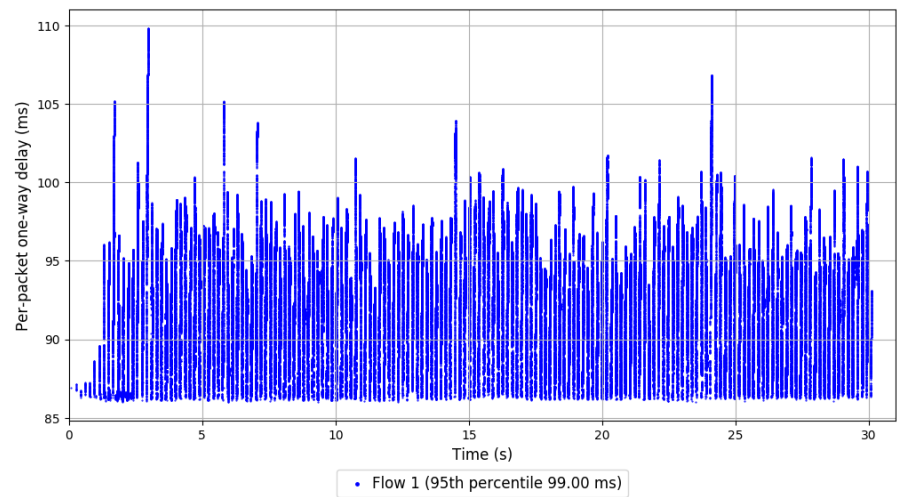
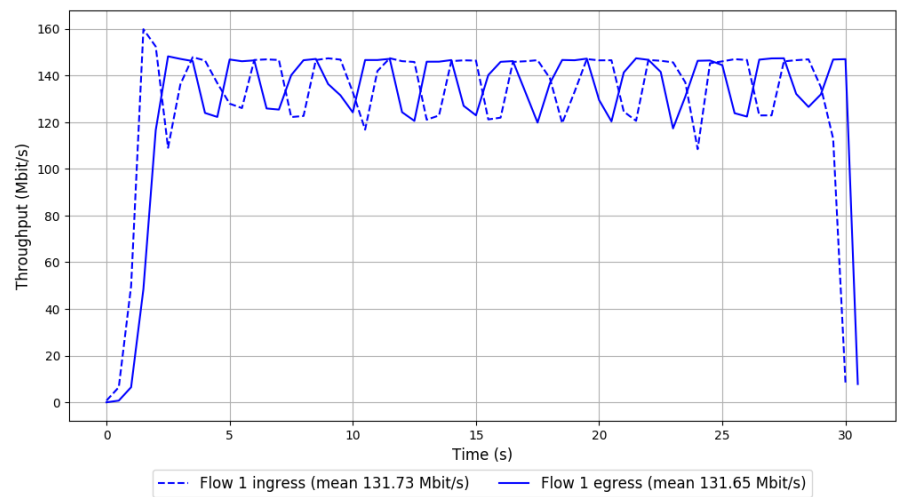


Run 5: Statistics of TCP Vegas

Start at: 2018-06-18 09:03:46
End at: 2018-06-18 09:04:16
Local clock offset: 7.634 ms
Remote clock offset: -0.045 ms

Below is generated by plot.py at 2018-06-18 12:27:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 131.65 Mbit/s
95th percentile per-packet one-way delay: 98.996 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 131.65 Mbit/s
95th percentile per-packet one-way delay: 98.996 ms
Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2018-06-18 09:24:38

End at: 2018-06-18 09:25:08

Local clock offset: 6.504 ms

Remote clock offset: 0.073 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 87.001 ms

Loss rate: 0.00%

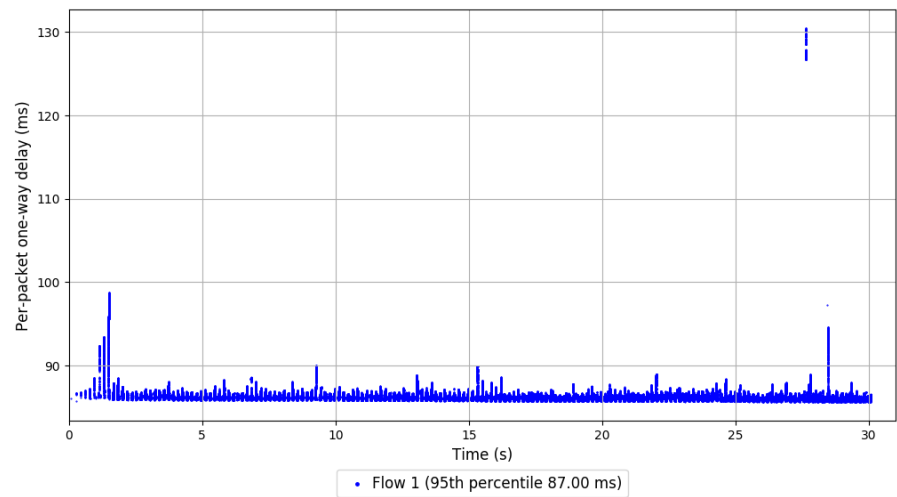
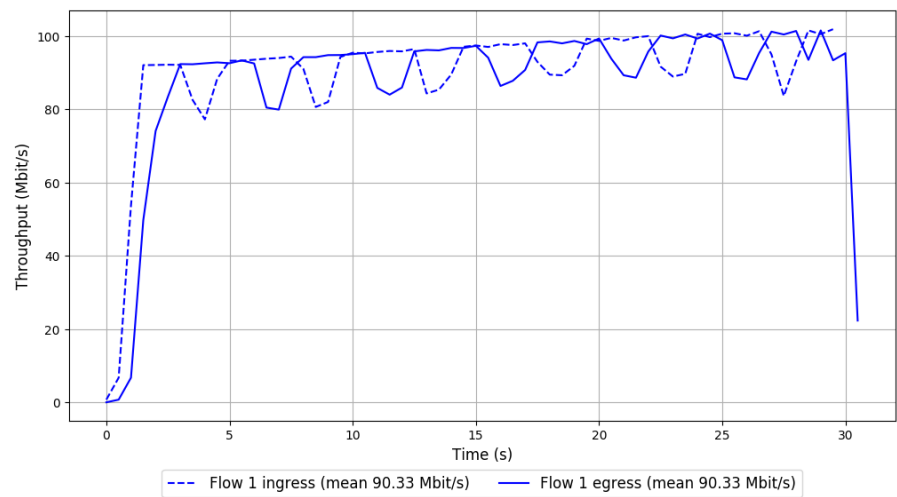
-- Flow 1:

Average throughput: 90.33 Mbit/s

95th percentile per-packet one-way delay: 87.001 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: 2018-06-18 09:45:32

End at: 2018-06-18 09:46:02

Local clock offset: 2.101 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at 2018-06-18 12:27:33

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.81 Mbit/s

95th percentile per-packet one-way delay: 97.248 ms

Loss rate: 0.00%

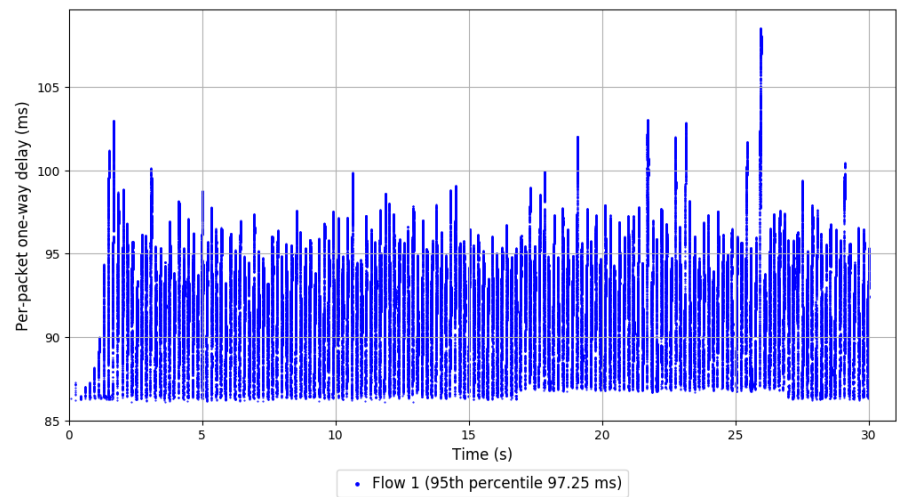
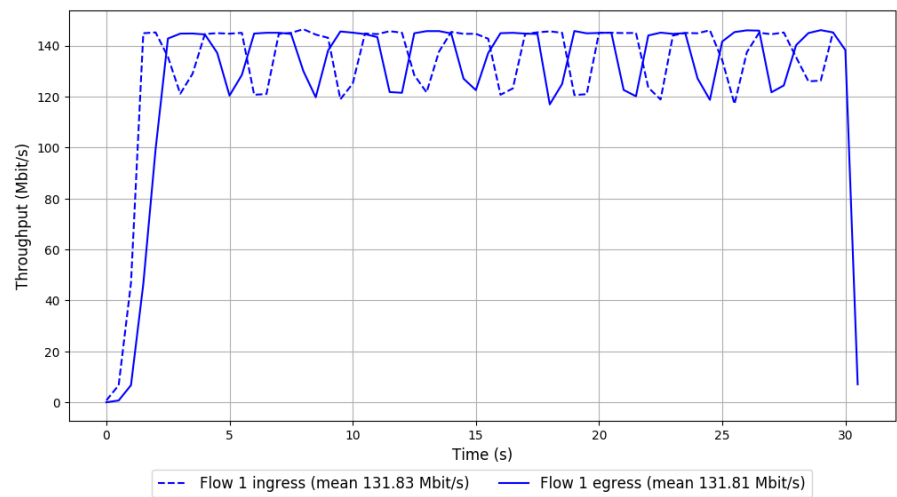
-- Flow 1:

Average throughput: 131.81 Mbit/s

95th percentile per-packet one-way delay: 97.248 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link

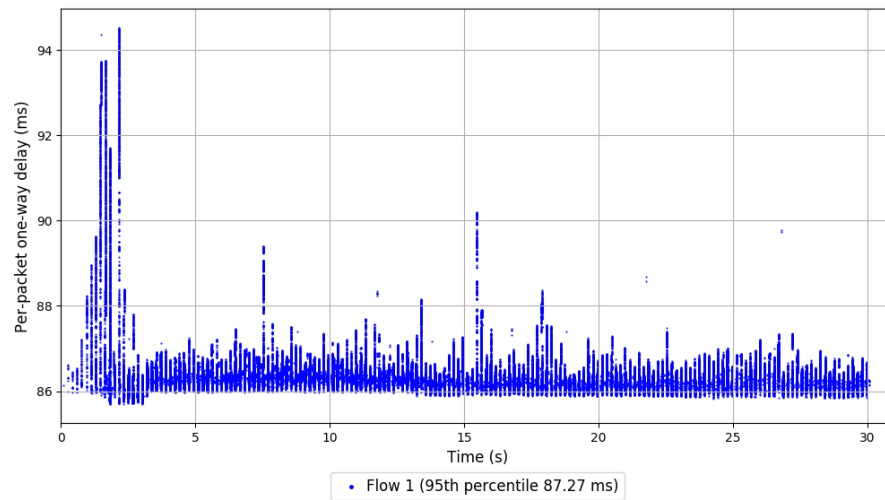
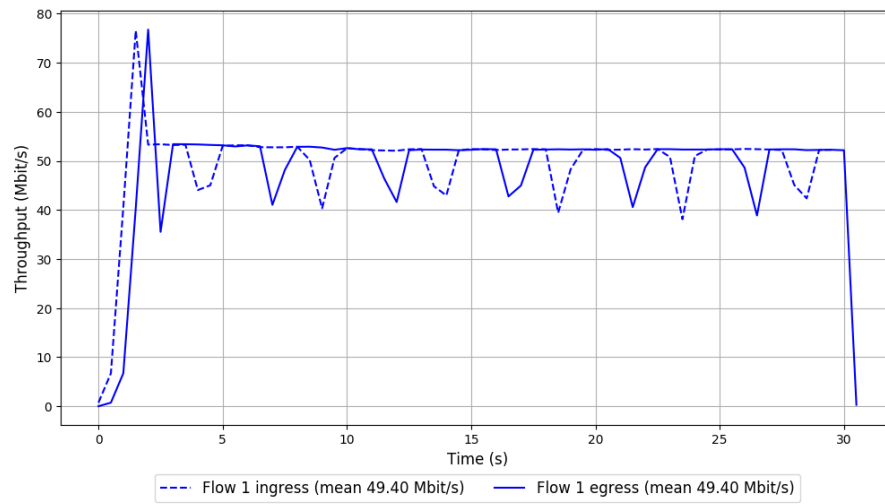


Run 8: Statistics of TCP Vegas

Start at: 2018-06-18 10:06:16
End at: 2018-06-18 10:06:46
Local clock offset: 1.149 ms
Remote clock offset: -0.046 ms

Below is generated by plot.py at 2018-06-18 12:27:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.40 Mbit/s
95th percentile per-packet one-way delay: 87.271 ms
Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link

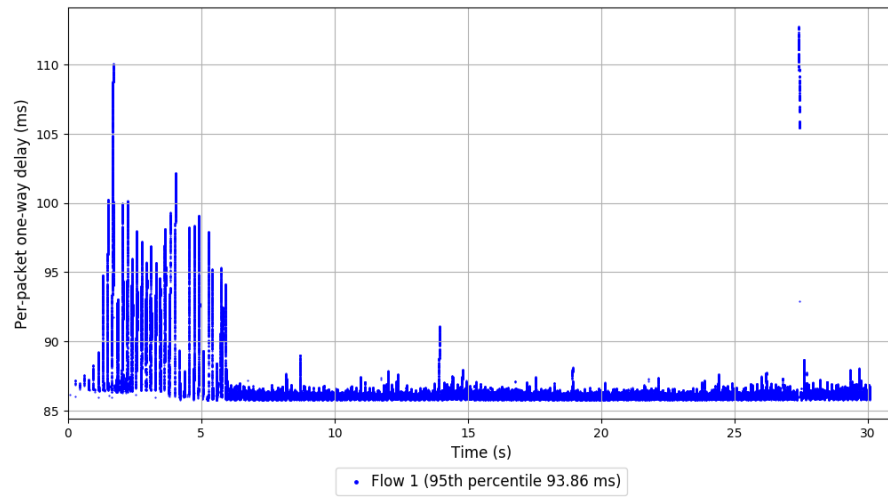
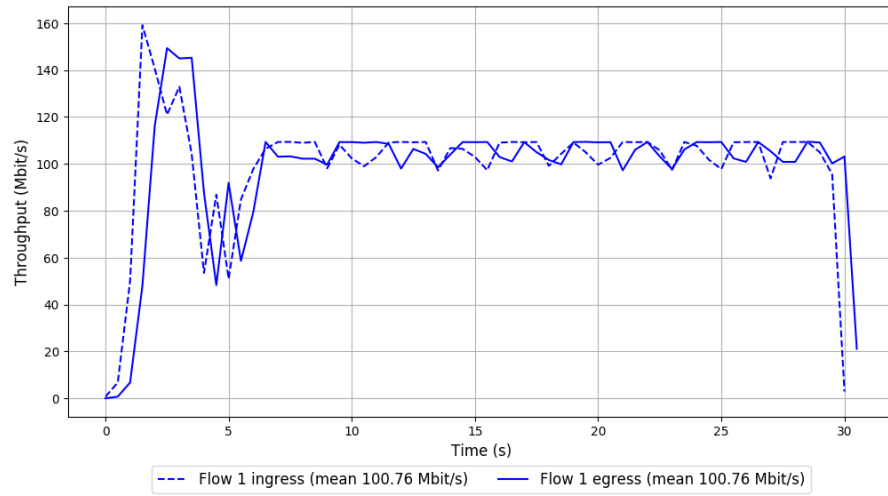


Run 9: Statistics of TCP Vegas

Start at: 2018-06-18 10:27:05
End at: 2018-06-18 10:27:35
Local clock offset: 1.265 ms
Remote clock offset: -0.018 ms

Below is generated by plot.py at 2018-06-18 12:27:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 100.76 Mbit/s
95th percentile per-packet one-way delay: 93.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 100.76 Mbit/s
95th percentile per-packet one-way delay: 93.856 ms
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

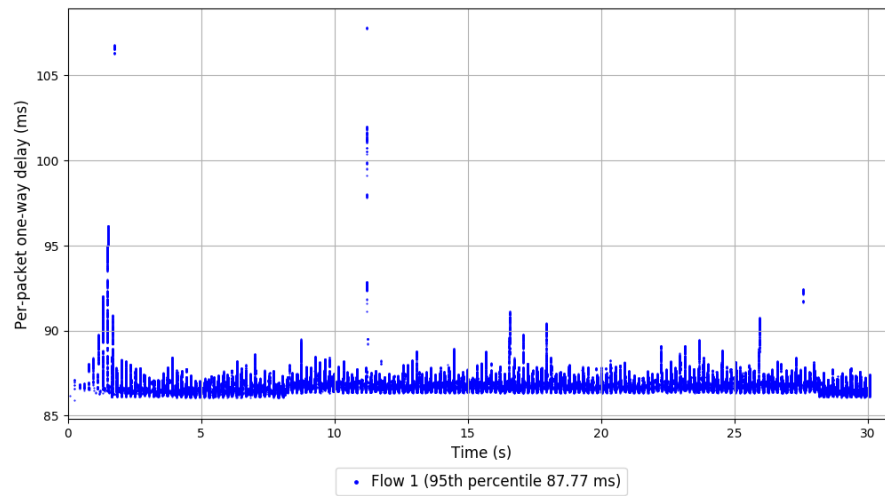
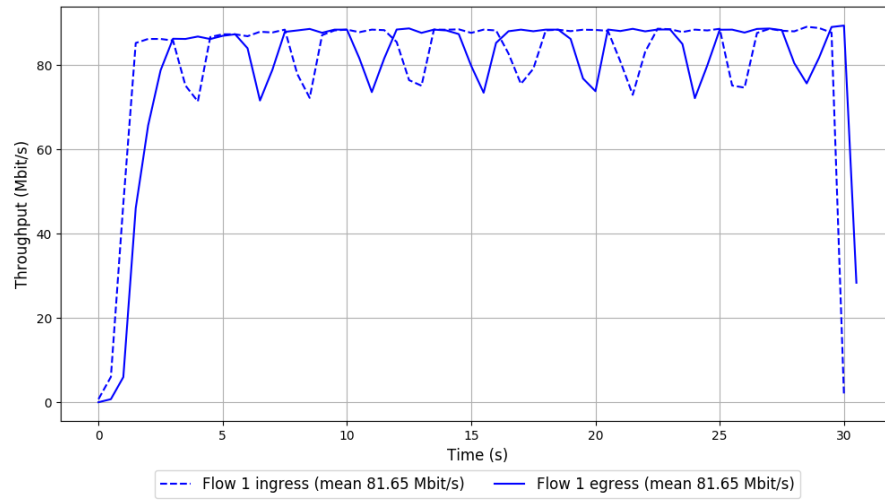


Run 10: Statistics of TCP Vegas

Start at: 2018-06-18 10:48:01
End at: 2018-06-18 10:48:31
Local clock offset: 0.748 ms
Remote clock offset: -0.095 ms

Below is generated by plot.py at 2018-06-18 12:27:34
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.65 Mbit/s
95th percentile per-packet one-way delay: 87.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.65 Mbit/s
95th percentile per-packet one-way delay: 87.770 ms
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link

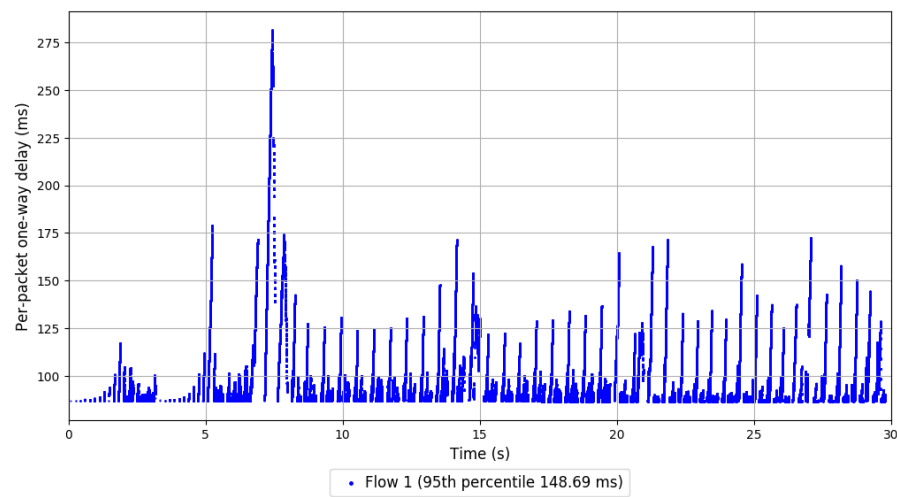
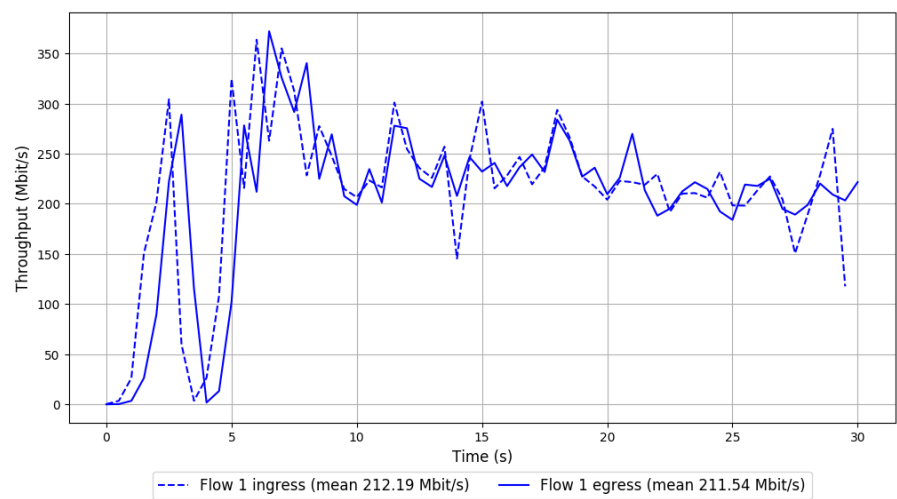


Run 1: Statistics of Verus

Start at: 2018-06-18 07:55:41
End at: 2018-06-18 07:56:11
Local clock offset: 24.592 ms
Remote clock offset: -0.324 ms

Below is generated by plot.py at 2018-06-18 12:29:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 211.54 Mbit/s
95th percentile per-packet one-way delay: 148.690 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 211.54 Mbit/s
95th percentile per-packet one-way delay: 148.690 ms
Loss rate: 0.31%

Run 1: Report of Verus — Data Link

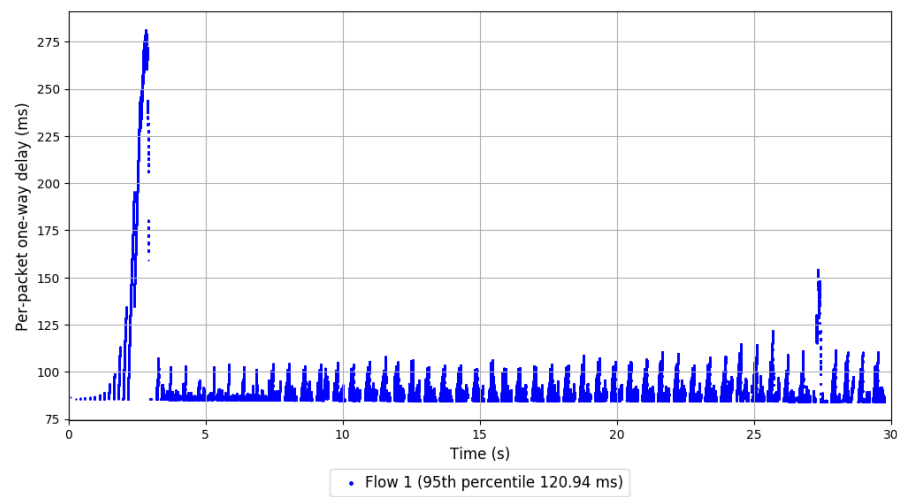
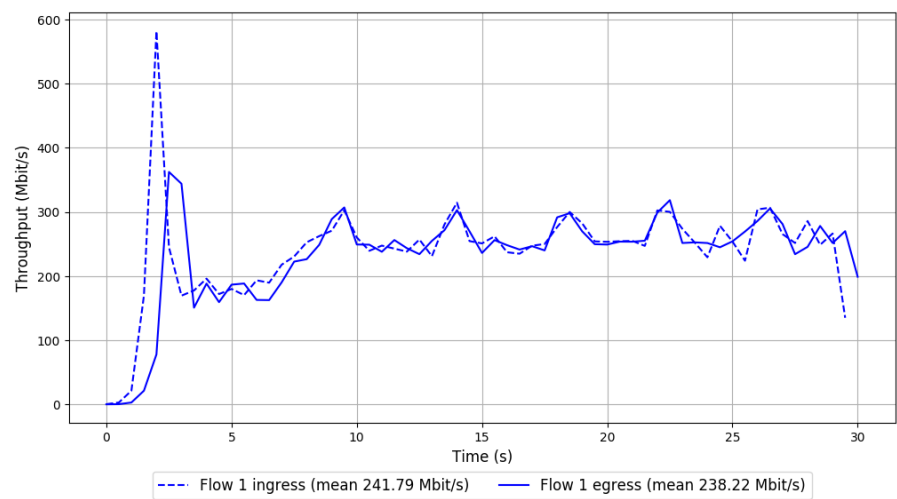


Run 2: Statistics of Verus

Start at: 2018-06-18 08:16:33
End at: 2018-06-18 08:17:03
Local clock offset: 27.306 ms
Remote clock offset: -0.623 ms

Below is generated by plot.py at 2018-06-18 12:30:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 238.22 Mbit/s
95th percentile per-packet one-way delay: 120.940 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 238.22 Mbit/s
95th percentile per-packet one-way delay: 120.940 ms
Loss rate: 1.48%

Run 2: Report of Verus — Data Link

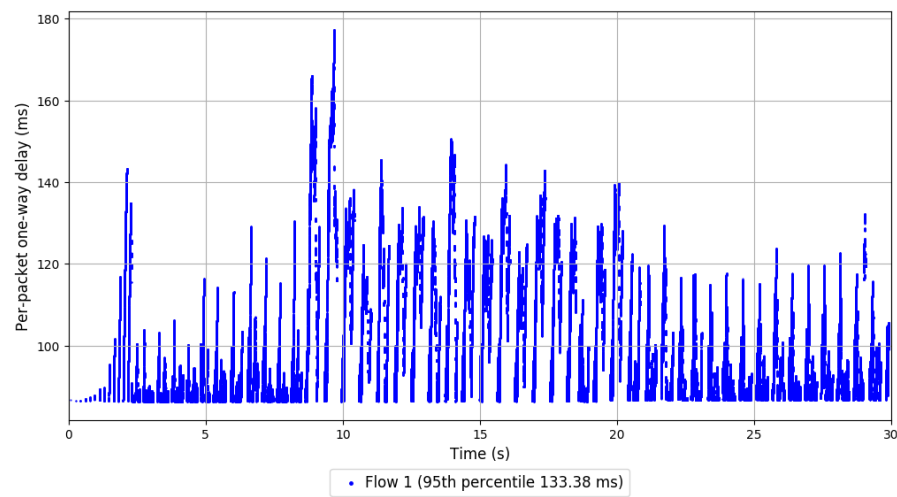
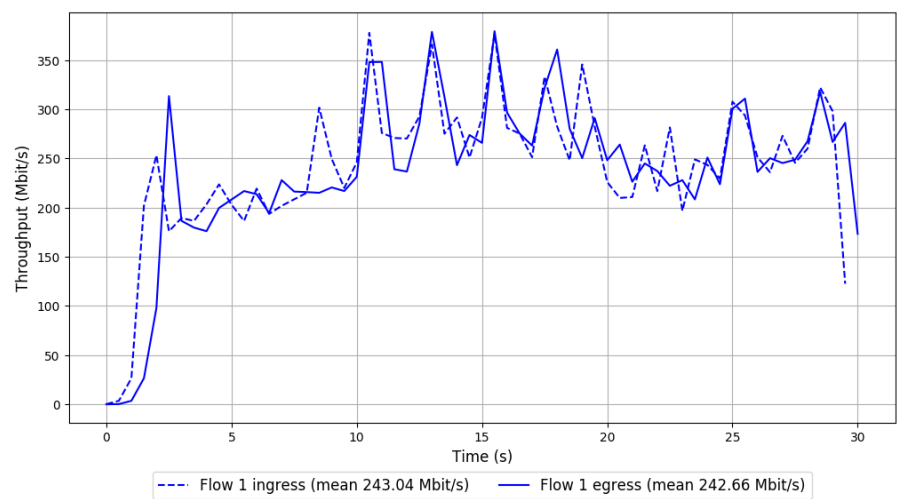


Run 3: Statistics of Verus

Start at: 2018-06-18 08:37:19
End at: 2018-06-18 08:37:49
Local clock offset: 16.932 ms
Remote clock offset: -0.953 ms

Below is generated by plot.py at 2018-06-18 12:30:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 242.66 Mbit/s
95th percentile per-packet one-way delay: 133.376 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 242.66 Mbit/s
95th percentile per-packet one-way delay: 133.376 ms
Loss rate: 0.11%

Run 3: Report of Verus — Data Link

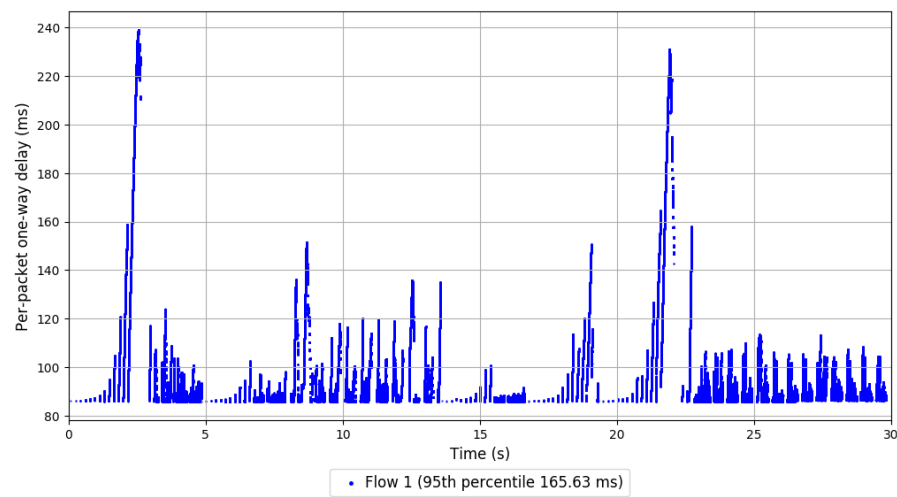
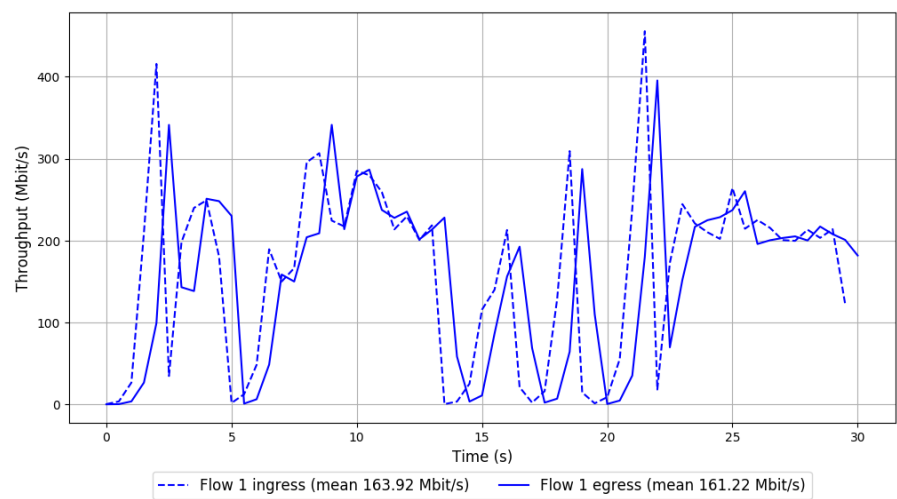


Run 4: Statistics of Verus

Start at: 2018-06-18 08:58:22
End at: 2018-06-18 08:58:52
Local clock offset: 8.607 ms
Remote clock offset: -0.265 ms

Below is generated by plot.py at 2018-06-18 12:30:54
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.22 Mbit/s
95th percentile per-packet one-way delay: 165.634 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 161.22 Mbit/s
95th percentile per-packet one-way delay: 165.634 ms
Loss rate: 1.64%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-06-18 09:19:10

End at: 2018-06-18 09:19:40

Local clock offset: 9.692 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at 2018-06-18 12:31:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 243.15 Mbit/s

95th percentile per-packet one-way delay: 115.874 ms

Loss rate: 0.07%

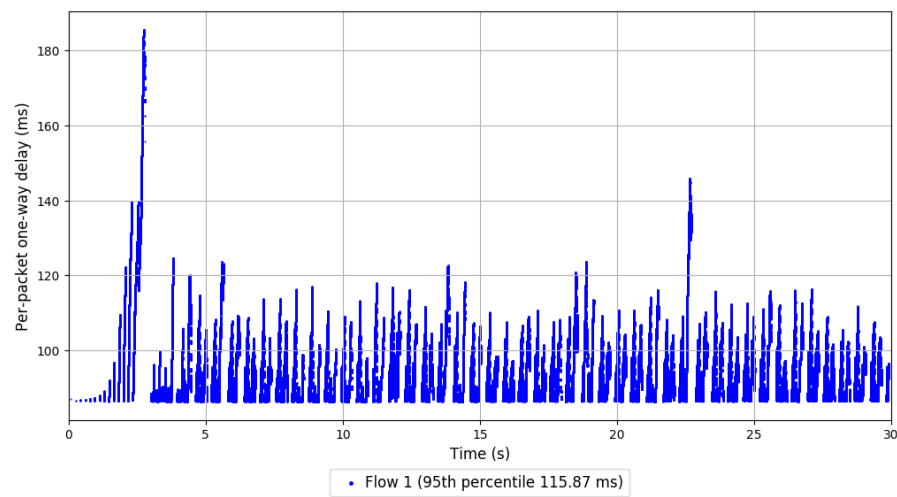
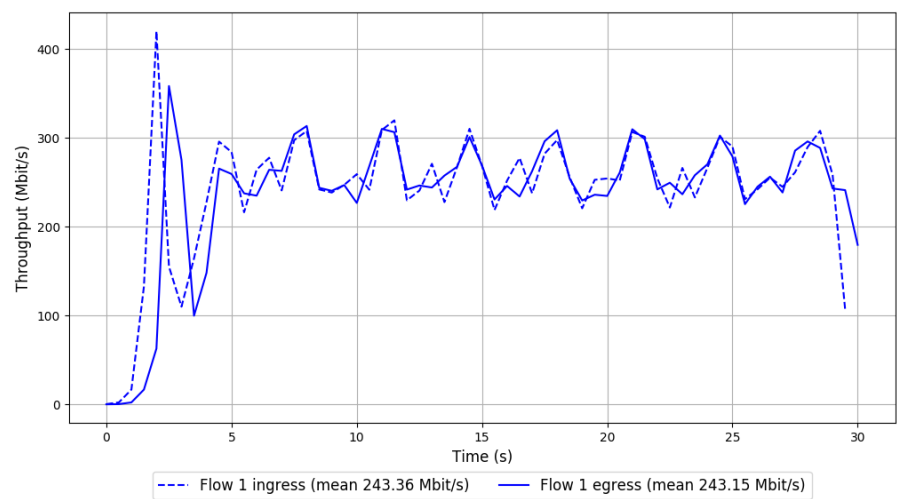
-- Flow 1:

Average throughput: 243.15 Mbit/s

95th percentile per-packet one-way delay: 115.874 ms

Loss rate: 0.07%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-18 09:40:00

End at: 2018-06-18 09:40:30

Local clock offset: 2.282 ms

Remote clock offset: 0.048 ms

Below is generated by plot.py at 2018-06-18 12:31:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 233.45 Mbit/s

95th percentile per-packet one-way delay: 228.916 ms

Loss rate: 3.16%

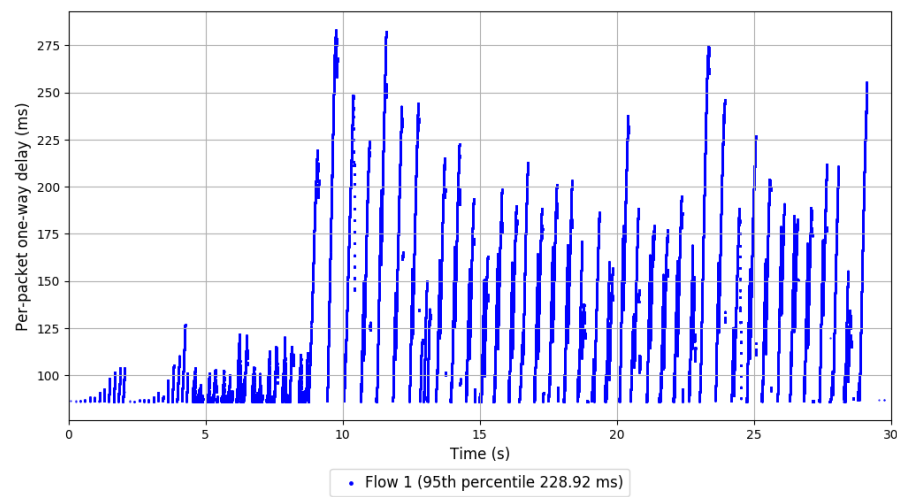
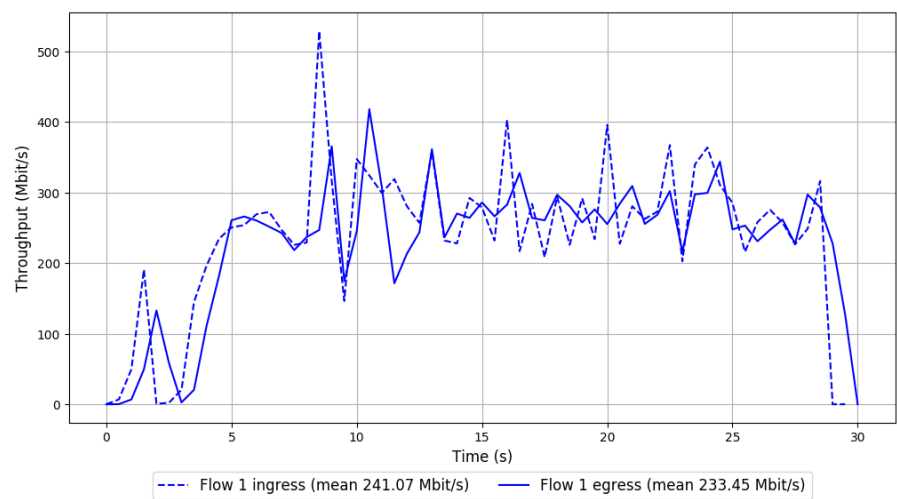
-- Flow 1:

Average throughput: 233.45 Mbit/s

95th percentile per-packet one-way delay: 228.916 ms

Loss rate: 3.16%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-06-18 10:00:47

End at: 2018-06-18 10:01:17

Local clock offset: 1.36 ms

Remote clock offset: 0.011 ms

Below is generated by plot.py at 2018-06-18 12:31:15

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.72 Mbit/s

95th percentile per-packet one-way delay: 243.478 ms

Loss rate: 1.26%

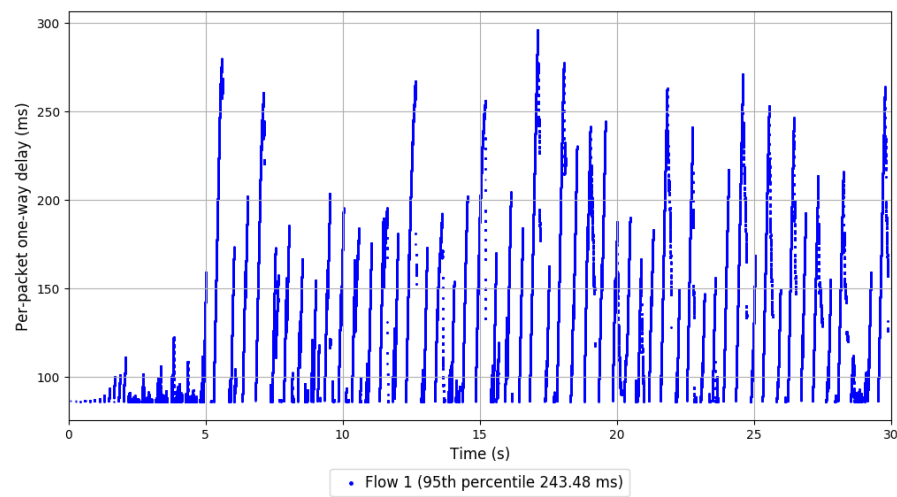
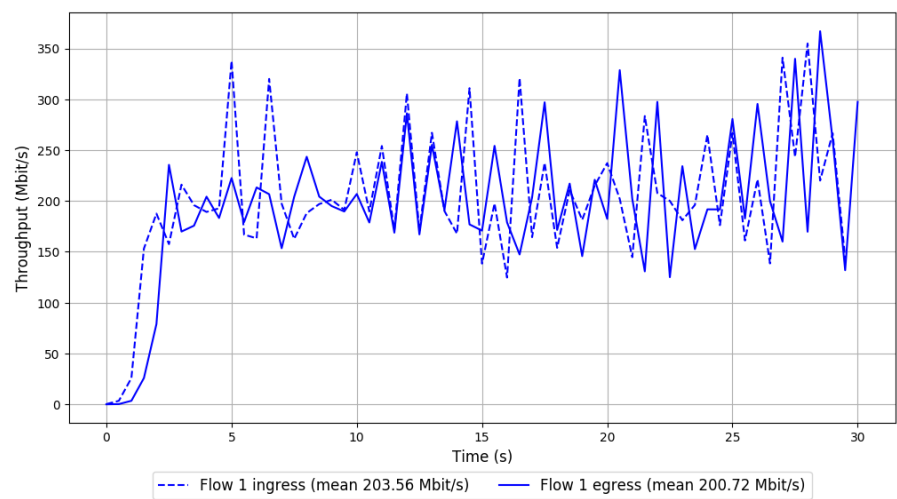
-- Flow 1:

Average throughput: 200.72 Mbit/s

95th percentile per-packet one-way delay: 243.478 ms

Loss rate: 1.26%

Run 7: Report of Verus — Data Link

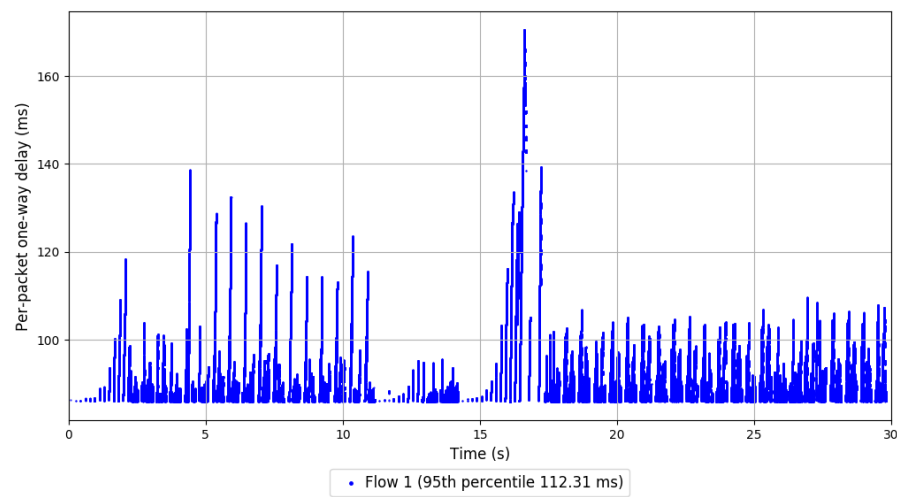
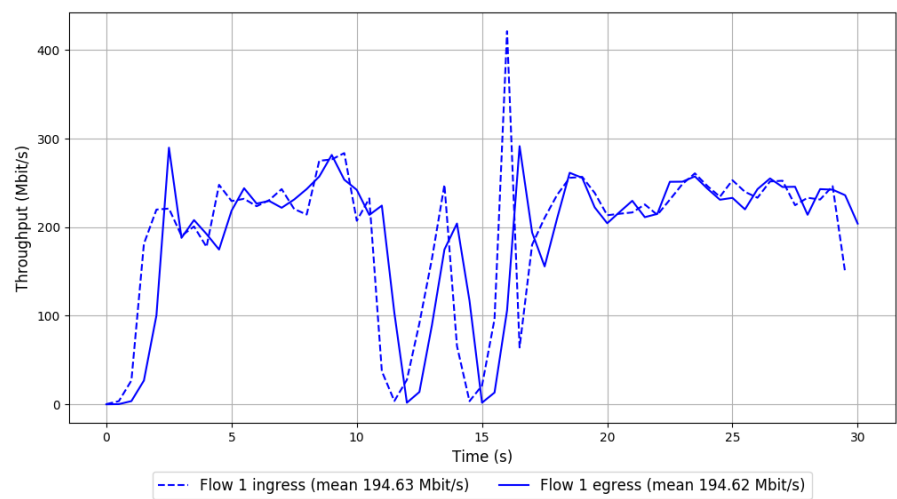


Run 8: Statistics of Verus

Start at: 2018-06-18 10:21:38
End at: 2018-06-18 10:22:08
Local clock offset: 0.978 ms
Remote clock offset: -0.042 ms

Below is generated by plot.py at 2018-06-18 12:31:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 194.62 Mbit/s
95th percentile per-packet one-way delay: 112.309 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 194.62 Mbit/s
95th percentile per-packet one-way delay: 112.309 ms
Loss rate: 0.00%

Run 8: Report of Verus — Data Link

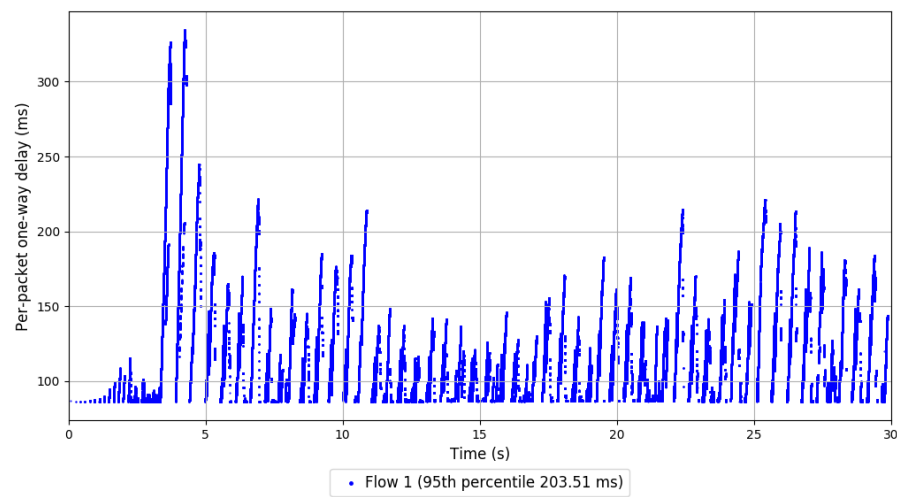
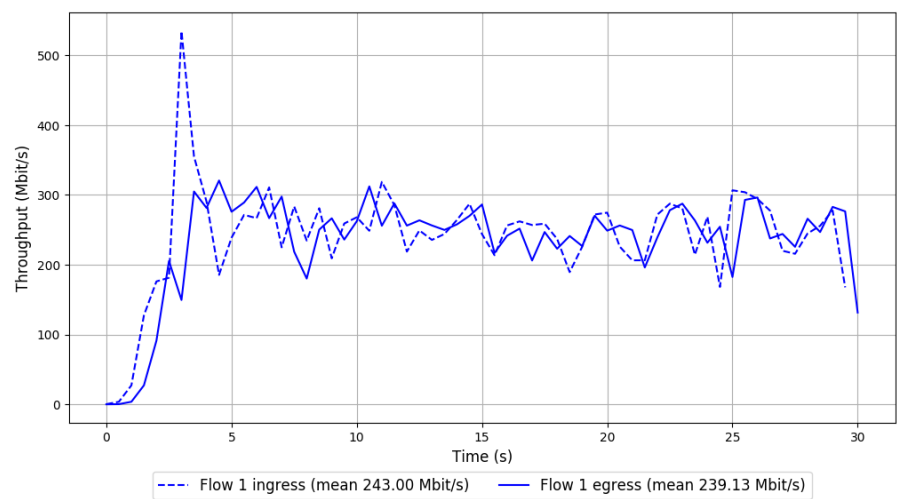


Run 9: Statistics of Verus

Start at: 2018-06-18 10:42:36
End at: 2018-06-18 10:43:06
Local clock offset: 0.535 ms
Remote clock offset: -0.084 ms

Below is generated by plot.py at 2018-06-18 12:33:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 239.13 Mbit/s
95th percentile per-packet one-way delay: 203.515 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 239.13 Mbit/s
95th percentile per-packet one-way delay: 203.515 ms
Loss rate: 1.51%

Run 9: Report of Verus — Data Link

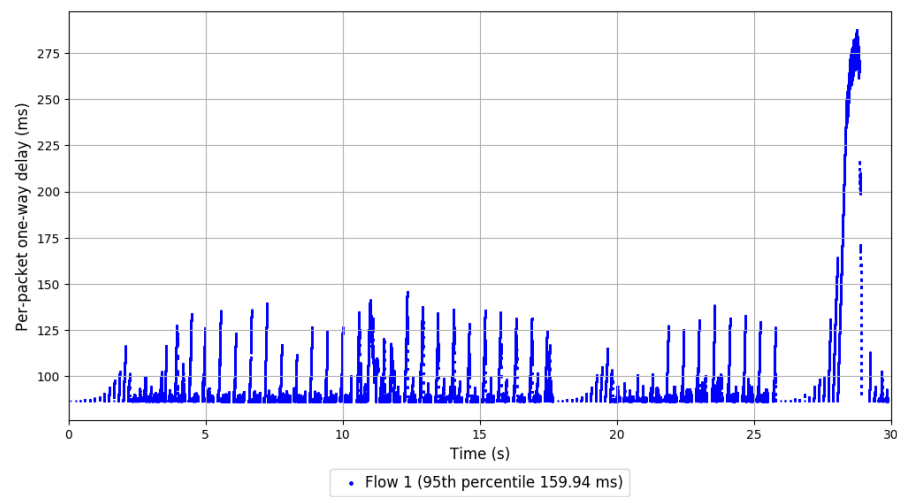
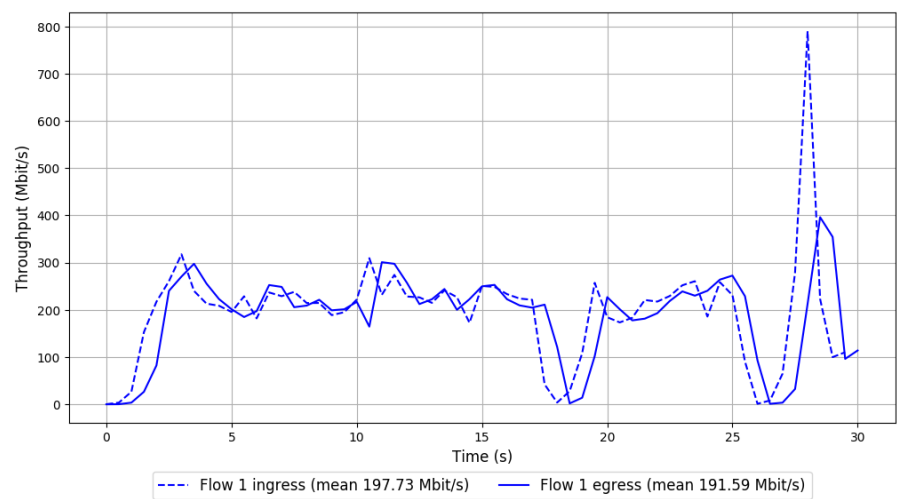


Run 10: Statistics of Verus

Start at: 2018-06-18 11:03:23
End at: 2018-06-18 11:03:53
Local clock offset: 0.395 ms
Remote clock offset: -0.065 ms

Below is generated by plot.py at 2018-06-18 12:33:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 191.59 Mbit/s
95th percentile per-packet one-way delay: 159.943 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 191.59 Mbit/s
95th percentile per-packet one-way delay: 159.943 ms
Loss rate: 3.11%

Run 10: Report of Verus — Data Link

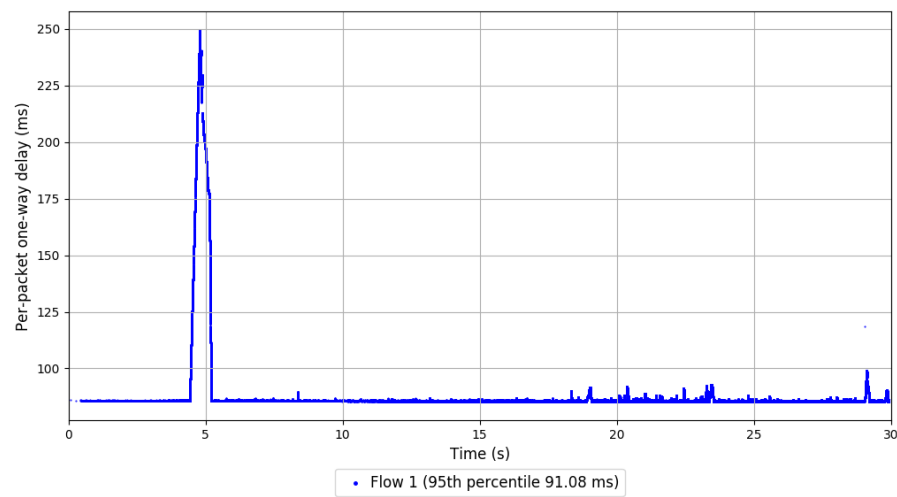
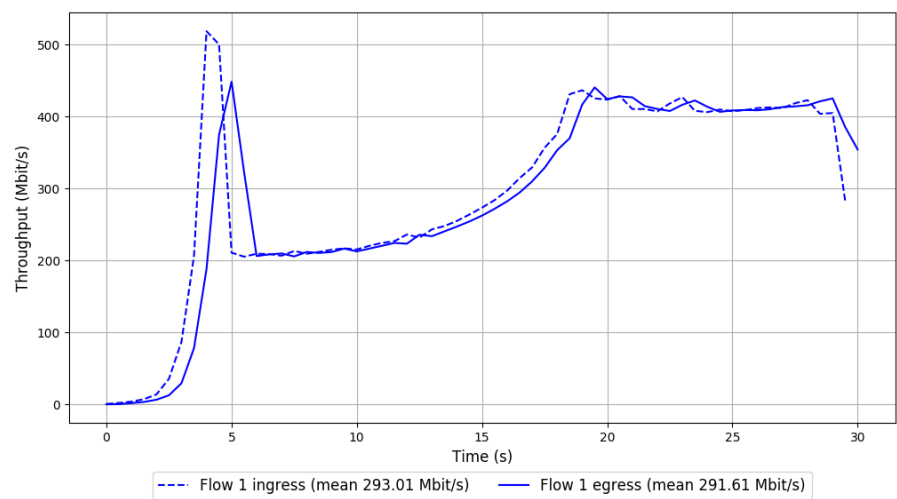


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-18 07:41:38
End at: 2018-06-18 07:42:08
Local clock offset: 22.358 ms
Remote clock offset: -0.272 ms

Below is generated by plot.py at 2018-06-18 12:35:50
Datalink statistics
-- Total of 1 flow:
Average throughput: 291.61 Mbit/s
95th percentile per-packet one-way delay: 91.084 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 291.61 Mbit/s
95th percentile per-packet one-way delay: 91.084 ms
Loss rate: 0.48%

Run 1: Report of PCC-Vivace — Data Link

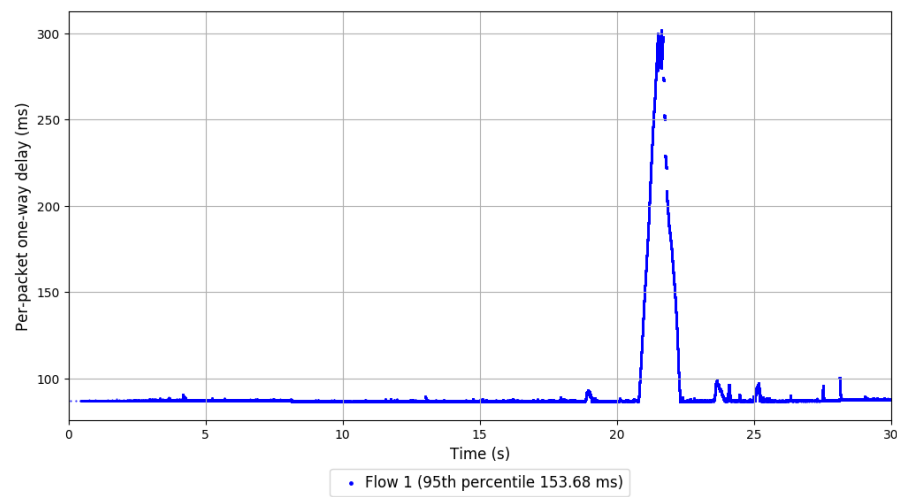
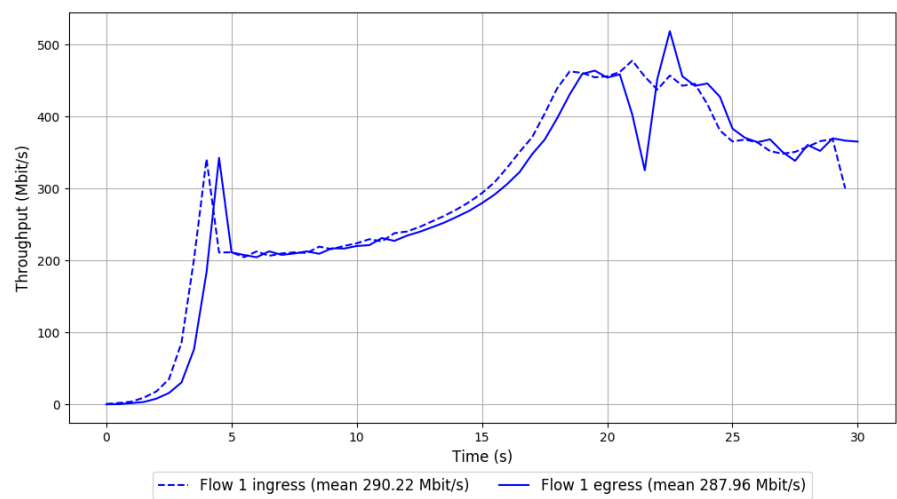


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-18 08:02:21
End at: 2018-06-18 08:02:51
Local clock offset: 30.562 ms
Remote clock offset: -0.394 ms

Below is generated by plot.py at 2018-06-18 12:35:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 287.96 Mbit/s
95th percentile per-packet one-way delay: 153.684 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 287.96 Mbit/s
95th percentile per-packet one-way delay: 153.684 ms
Loss rate: 0.78%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-06-18 08:23:13

End at: 2018-06-18 08:23:43

Local clock offset: 18.04 ms

Remote clock offset: -0.707 ms

Below is generated by plot.py at 2018-06-18 12:35:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 265.55 Mbit/s

95th percentile per-packet one-way delay: 90.456 ms

Loss rate: 0.00%

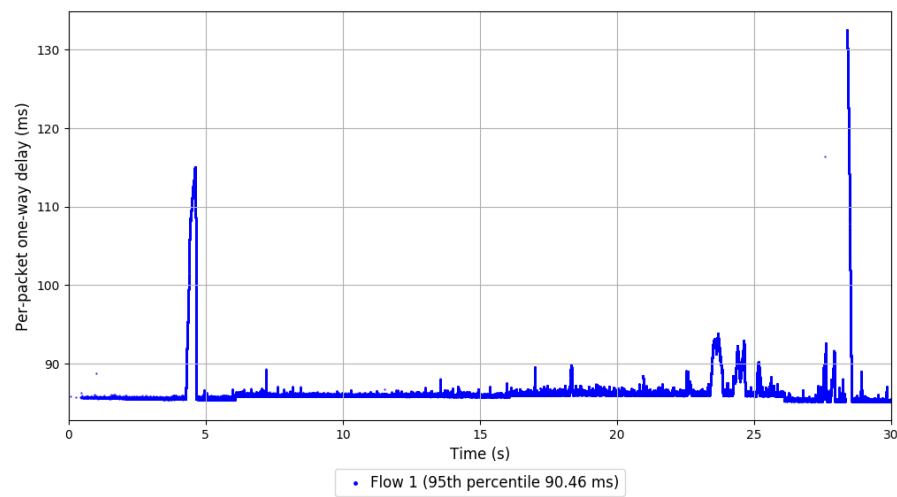
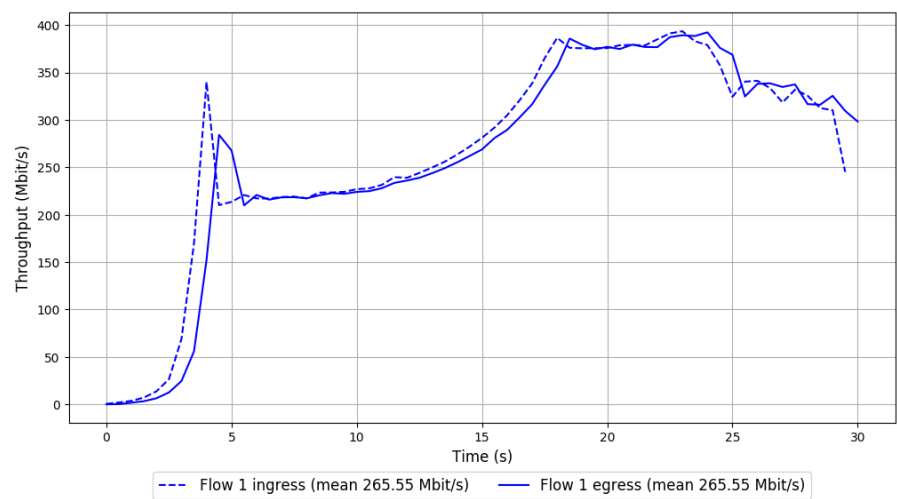
-- Flow 1:

Average throughput: 265.55 Mbit/s

95th percentile per-packet one-way delay: 90.456 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

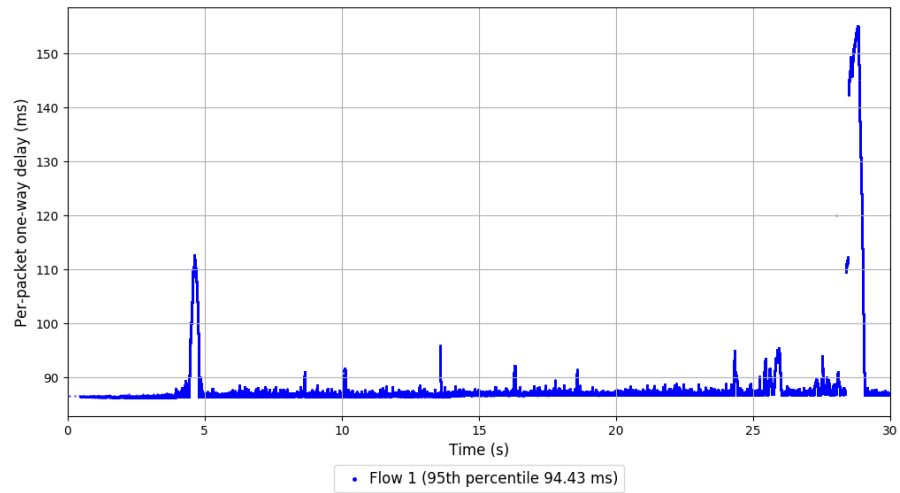
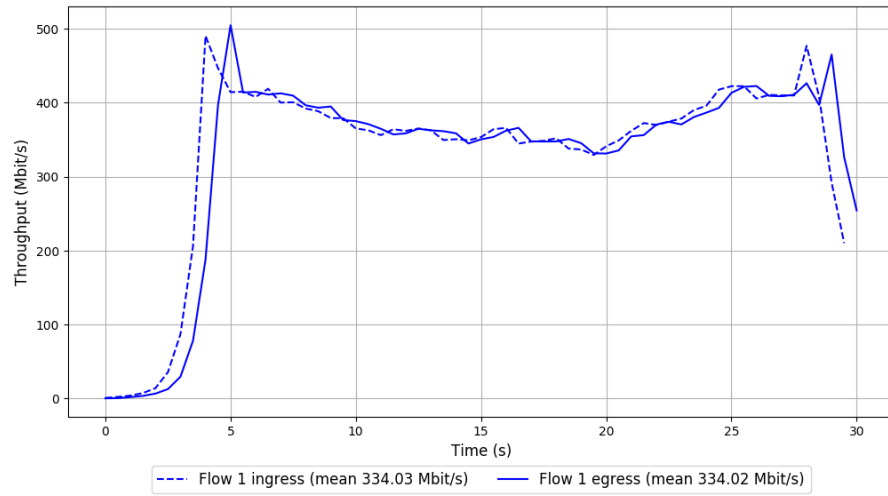


Run 4: Statistics of PCC-Vivace

Start at: 2018-06-18 08:44:04
End at: 2018-06-18 08:44:34
Local clock offset: 19.579 ms
Remote clock offset: -1.012 ms

Below is generated by plot.py at 2018-06-18 12:36:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 94.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 334.02 Mbit/s
95th percentile per-packet one-way delay: 94.434 ms
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-06-18 09:05:00

End at: 2018-06-18 09:05:30

Local clock offset: 7.668 ms

Remote clock offset: -0.083 ms

Below is generated by plot.py at 2018-06-18 12:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.56 Mbit/s

95th percentile per-packet one-way delay: 146.790 ms

Loss rate: 0.00%

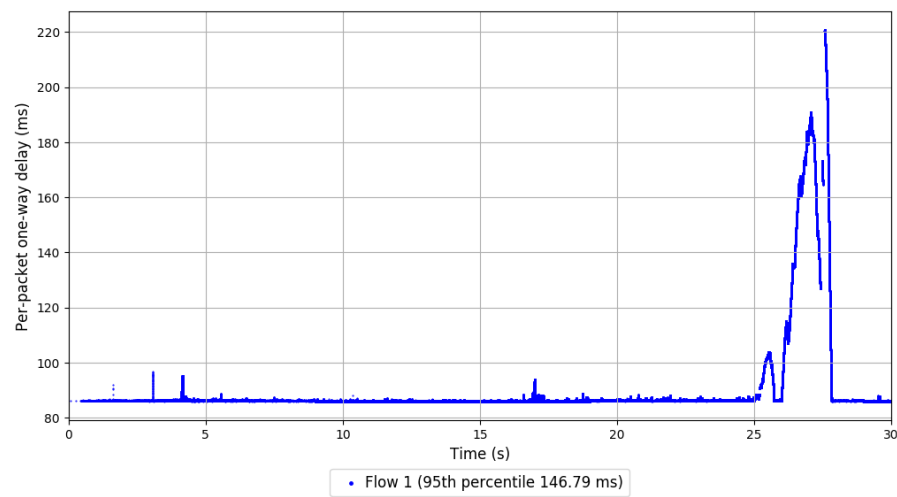
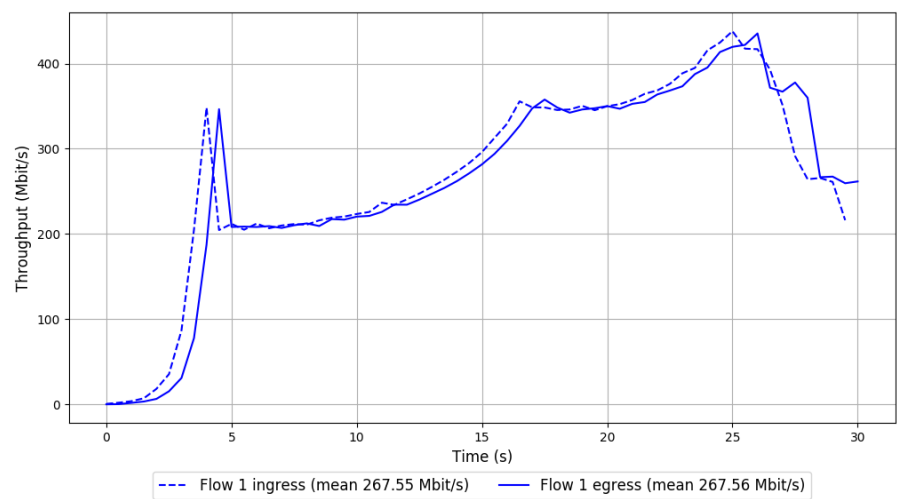
-- Flow 1:

Average throughput: 267.56 Mbit/s

95th percentile per-packet one-way delay: 146.790 ms

Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



Run 6: Statistics of PCC-Vivace

Start at: 2018-06-18 09:25:49

End at: 2018-06-18 09:26:19

Local clock offset: 5.676 ms

Remote clock offset: 0.117 ms

Below is generated by plot.py at 2018-06-18 12:36:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 299.76 Mbit/s

95th percentile per-packet one-way delay: 155.545 ms

Loss rate: 0.33%

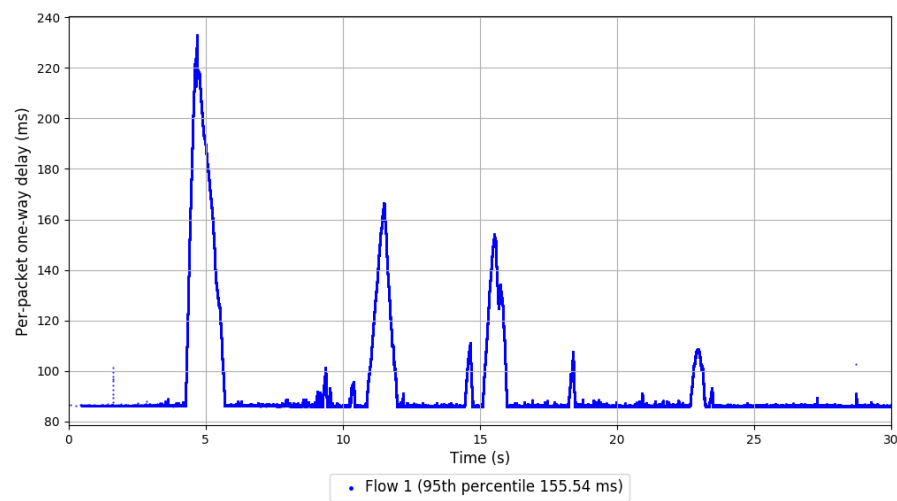
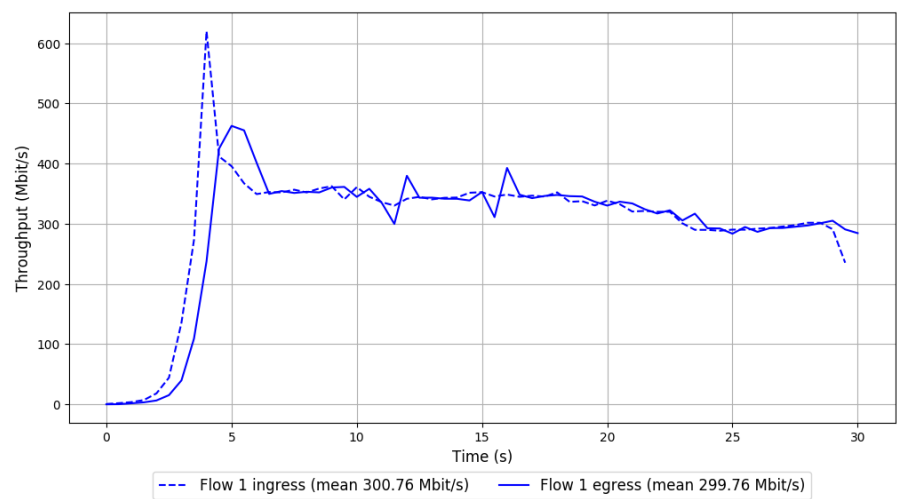
-- Flow 1:

Average throughput: 299.76 Mbit/s

95th percentile per-packet one-way delay: 155.545 ms

Loss rate: 0.33%

Run 6: Report of PCC-Vivace — Data Link



Run 7: Statistics of PCC-Vivace

Start at: 2018-06-18 09:46:46

End at: 2018-06-18 09:47:16

Local clock offset: 2.052 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at 2018-06-18 12:36:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 219.74 Mbit/s

95th percentile per-packet one-way delay: 190.708 ms

Loss rate: 0.00%

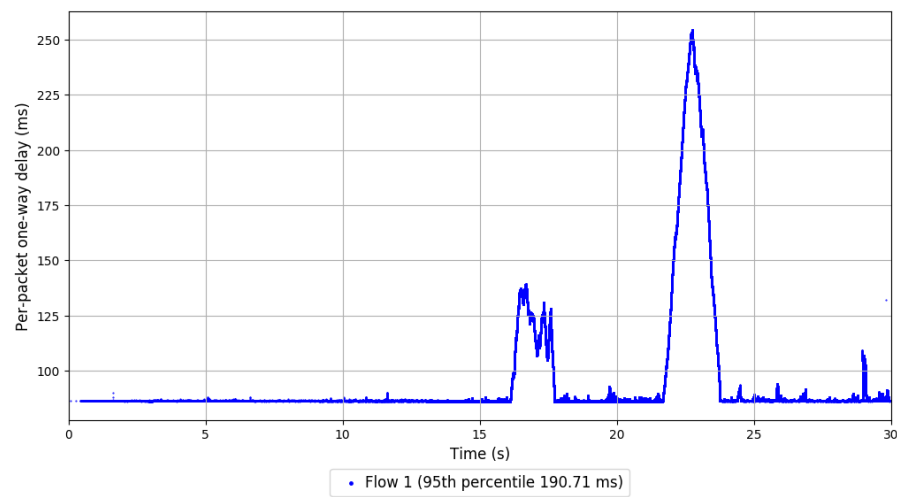
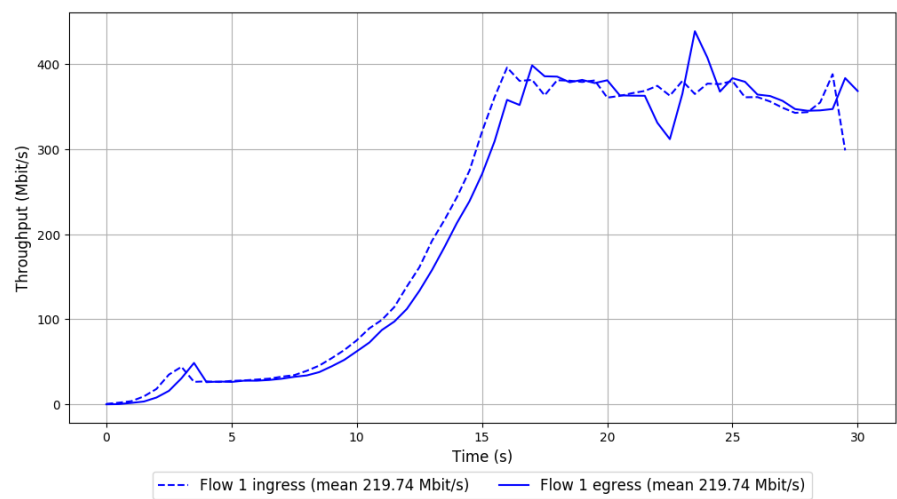
-- Flow 1:

Average throughput: 219.74 Mbit/s

95th percentile per-packet one-way delay: 190.708 ms

Loss rate: 0.00%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-06-18 10:07:25

End at: 2018-06-18 10:07:55

Local clock offset: 1.078 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at 2018-06-18 12:37:56

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.08 Mbit/s

95th percentile per-packet one-way delay: 120.010 ms

Loss rate: 0.00%

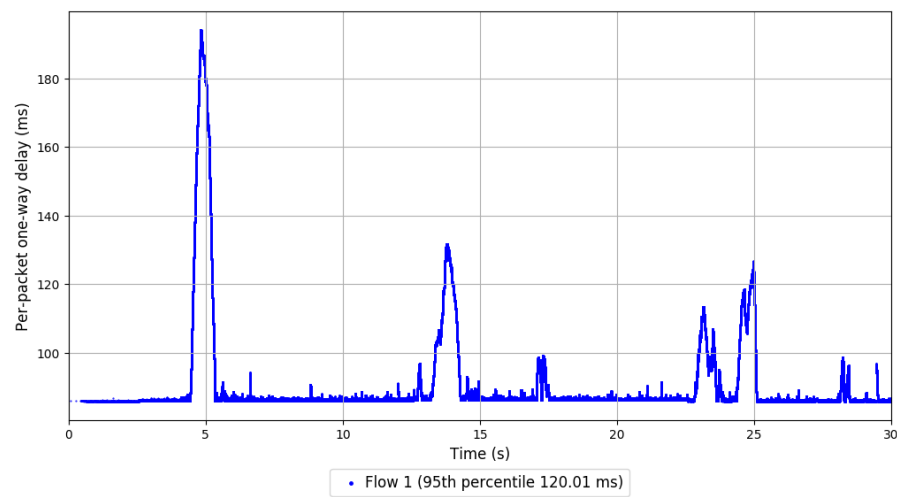
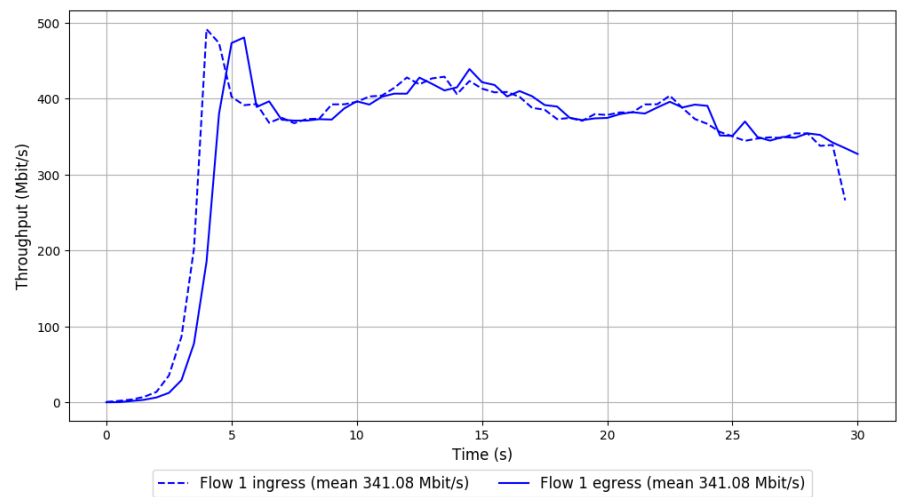
-- Flow 1:

Average throughput: 341.08 Mbit/s

95th percentile per-packet one-way delay: 120.010 ms

Loss rate: 0.00%

Run 8: Report of PCC-Vivace — Data Link

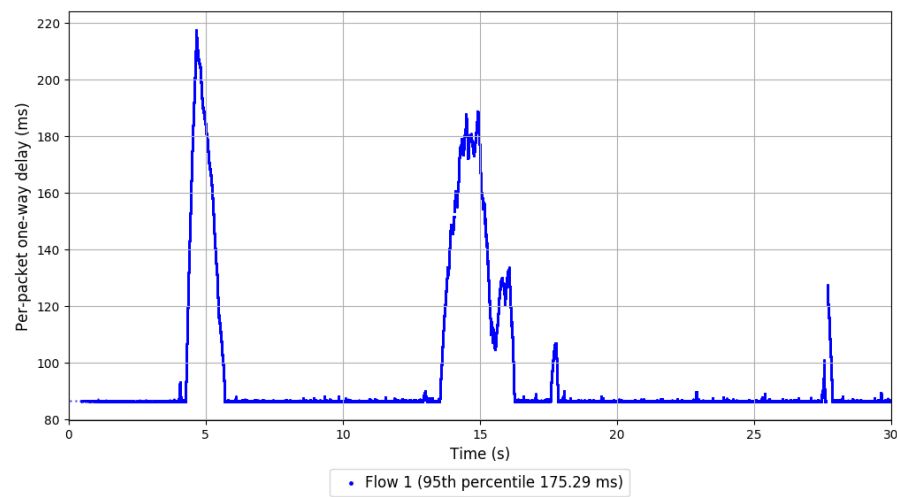
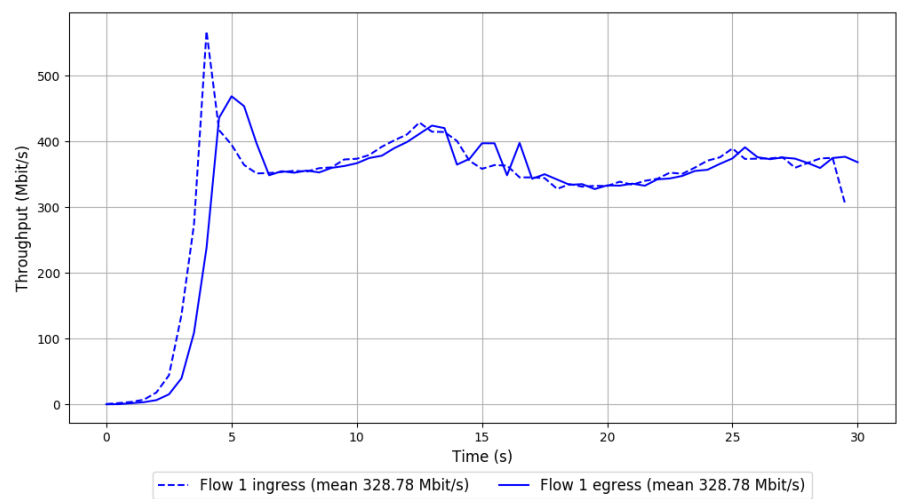


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-18 10:28:17
End at: 2018-06-18 10:28:47
Local clock offset: 1.105 ms
Remote clock offset: -0.044 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 328.78 Mbit/s
95th percentile per-packet one-way delay: 175.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 328.78 Mbit/s
95th percentile per-packet one-way delay: 175.295 ms
Loss rate: 0.00%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-06-18 10:49:12

End at: 2018-06-18 10:49:42

Local clock offset: 0.678 ms

Remote clock offset: -0.04 ms

Below is generated by plot.py at 2018-06-18 12:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 312.40 Mbit/s

95th percentile per-packet one-way delay: 126.212 ms

Loss rate: 0.00%

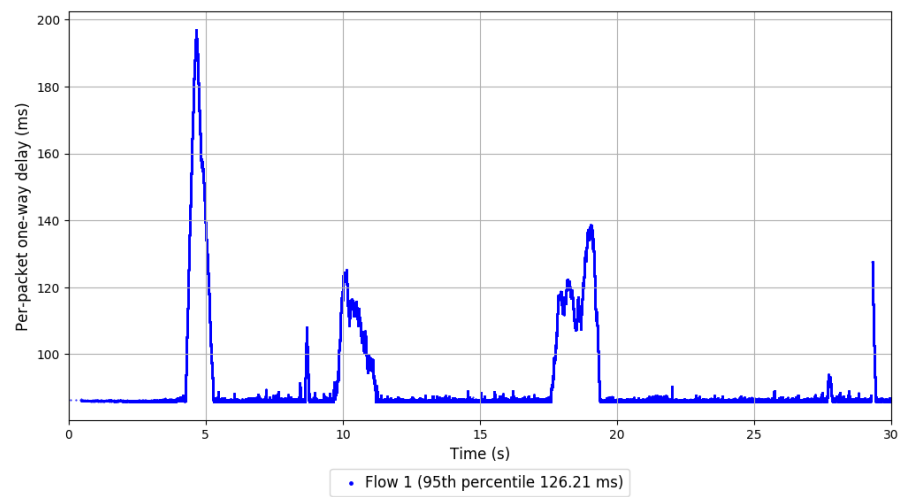
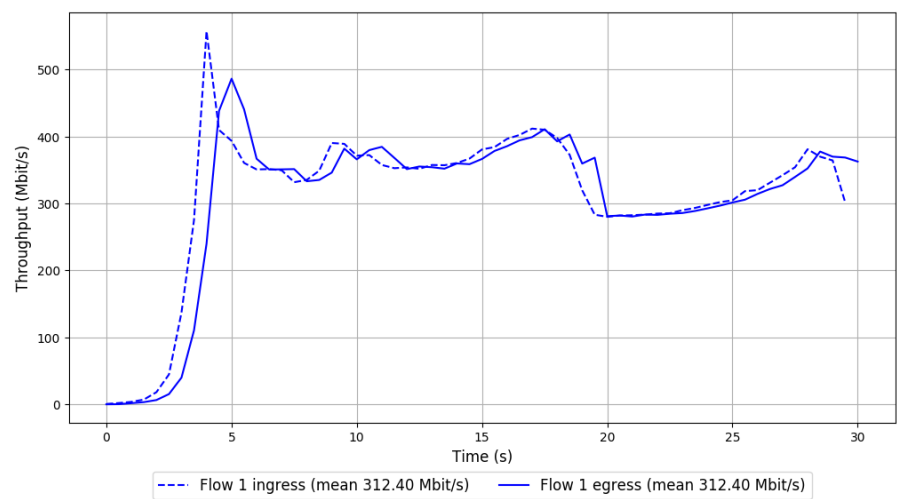
-- Flow 1:

Average throughput: 312.40 Mbit/s

95th percentile per-packet one-way delay: 126.212 ms

Loss rate: 0.00%

Run 10: Report of PCC-Vivace — Data Link

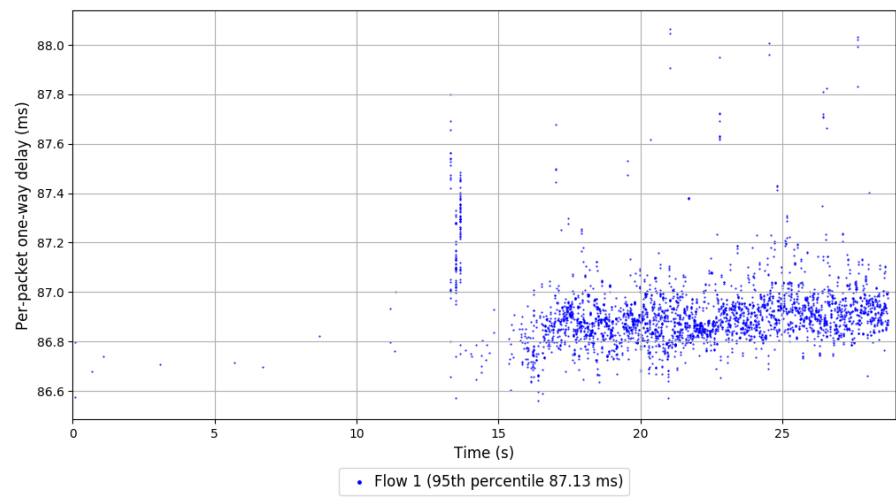
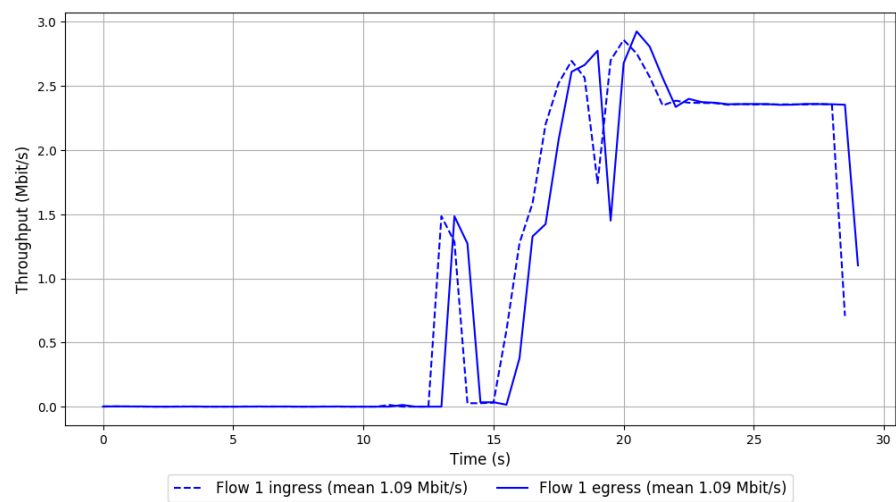


Run 1: Statistics of WebRTC media

Start at: 2018-06-18 07:49:45
End at: 2018-06-18 07:50:15
Local clock offset: 20.688 ms
Remote clock offset: -0.291 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 87.130 ms
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

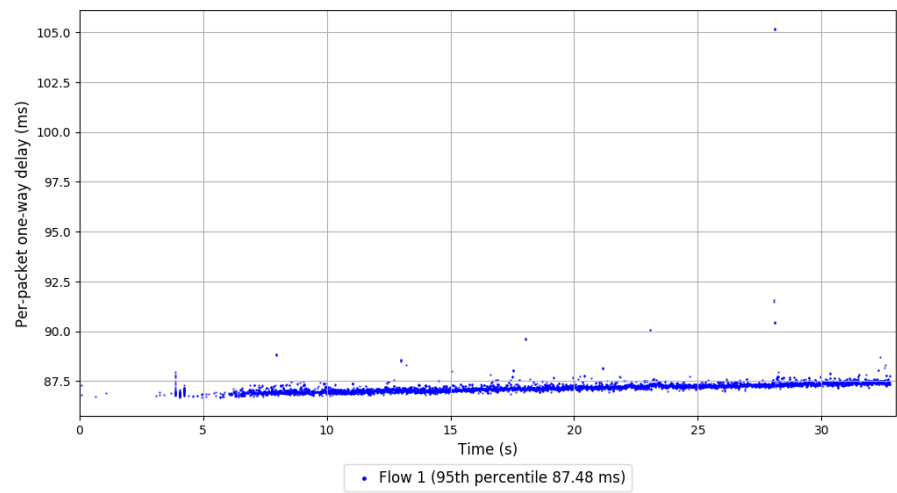
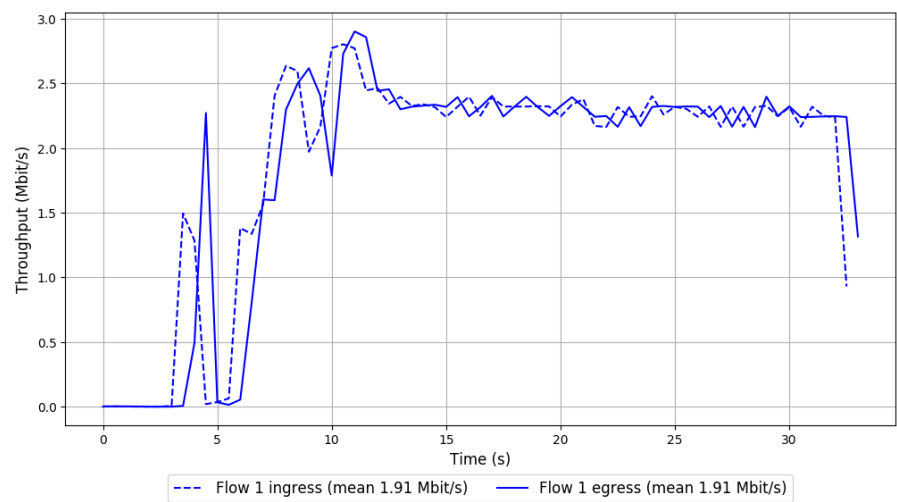


Run 2: Statistics of WebRTC media

Start at: 2018-06-18 08:10:32
End at: 2018-06-18 08:11:02
Local clock offset: 39.211 ms
Remote clock offset: -0.504 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 87.480 ms
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

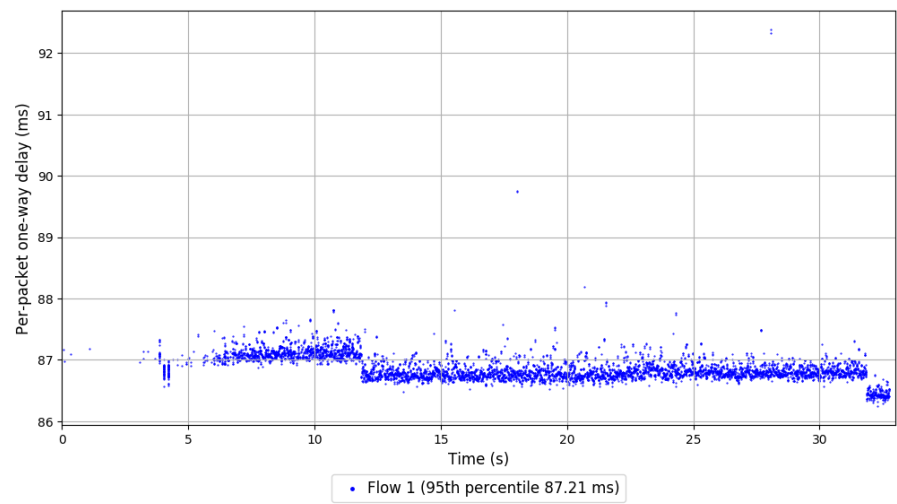
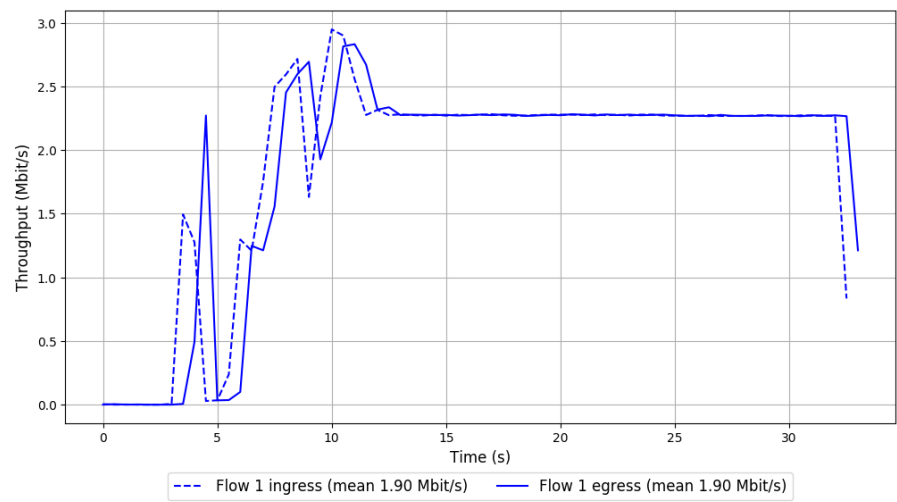


Run 3: Statistics of WebRTC media

Start at: 2018-06-18 08:31:19
End at: 2018-06-18 08:31:49
Local clock offset: 15.521 ms
Remote clock offset: -0.839 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 87.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 87.214 ms
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

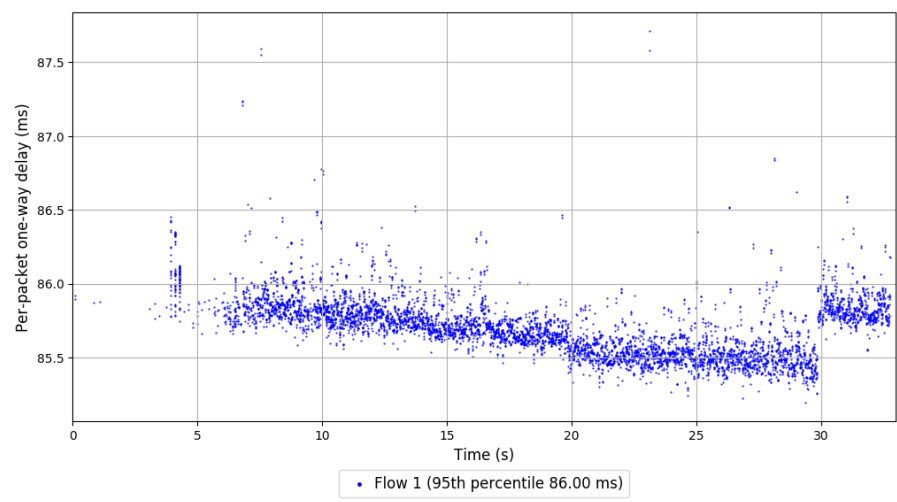
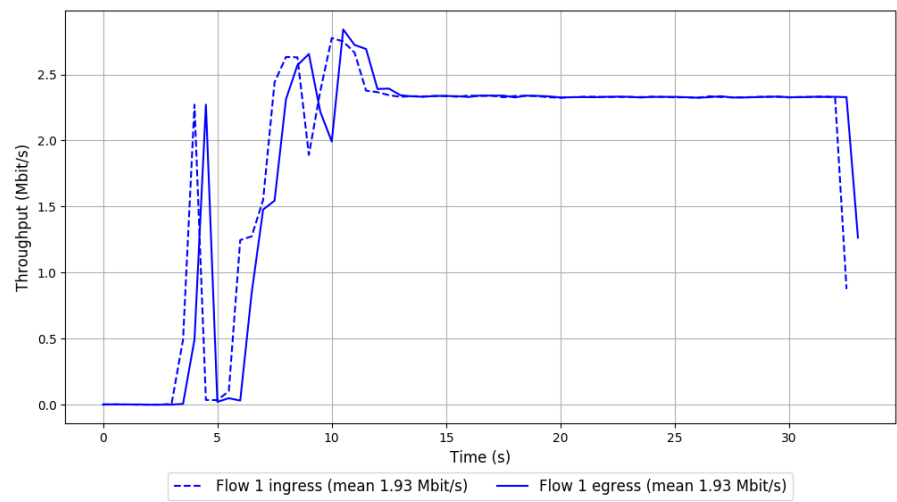


Run 4: Statistics of WebRTC media

Start at: 2018-06-18 08:52:22
End at: 2018-06-18 08:52:52
Local clock offset: 12.01 ms
Remote clock offset: -0.506 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.004 ms
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-06-18 09:13:09

End at: 2018-06-18 09:13:39

Local clock offset: 8.187 ms

Remote clock offset: 0.06 ms

Below is generated by plot.py at 2018-06-18 12:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 87.392 ms

Loss rate: 0.00%

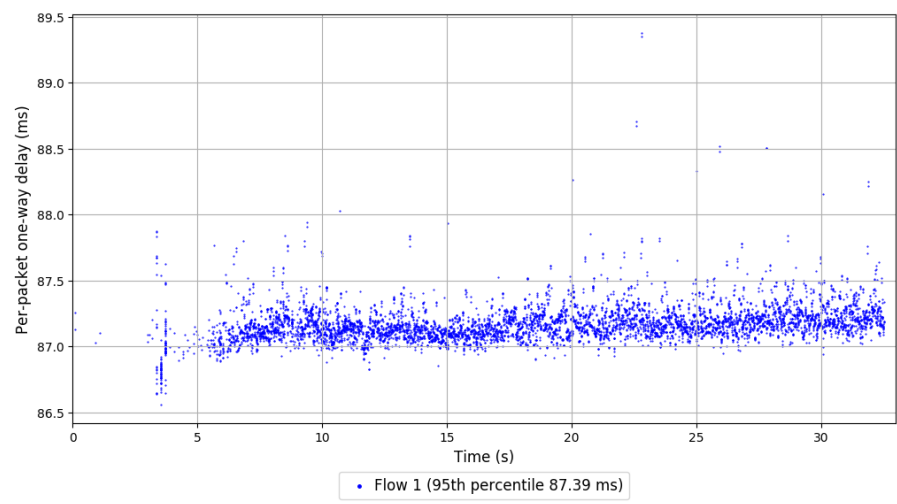
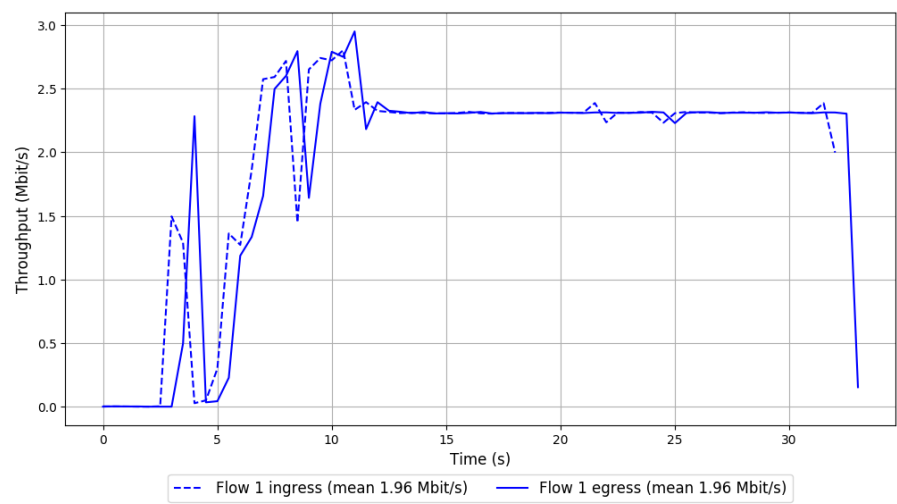
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 87.392 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-06-18 09:34:00

End at: 2018-06-18 09:34:30

Local clock offset: 3.076 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at 2018-06-18 12:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.740 ms

Loss rate: 0.00%

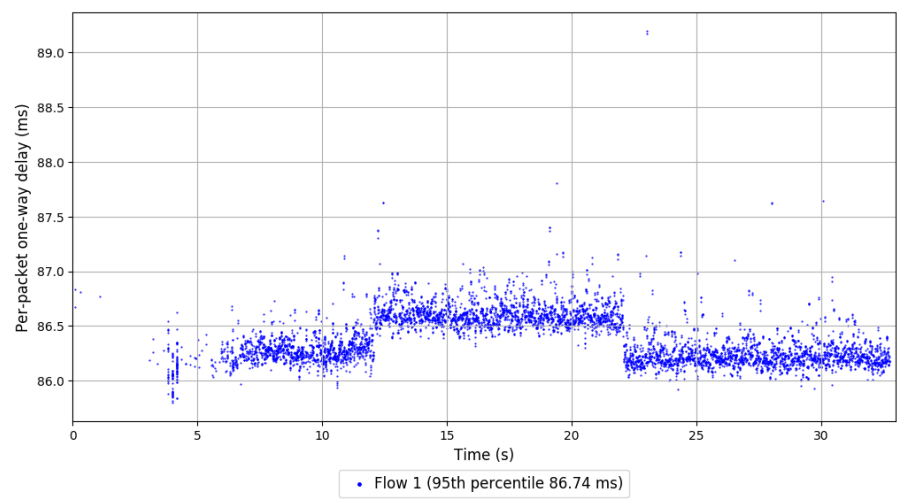
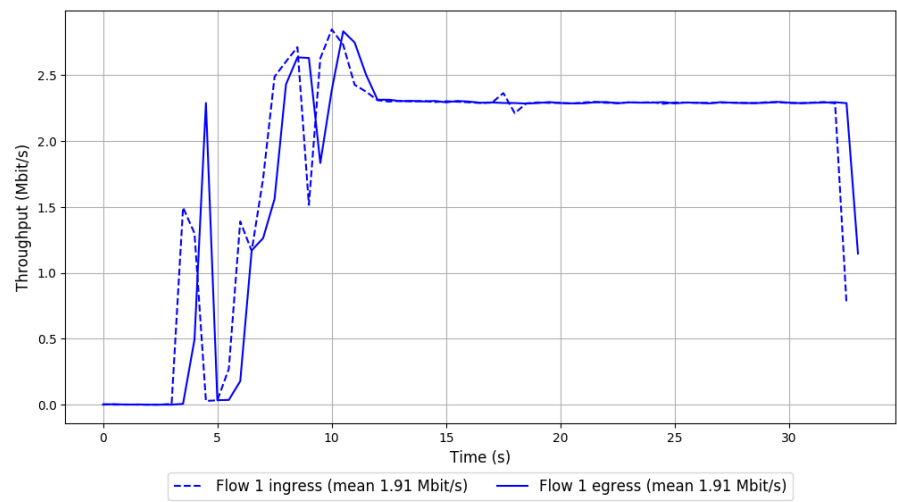
-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.740 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

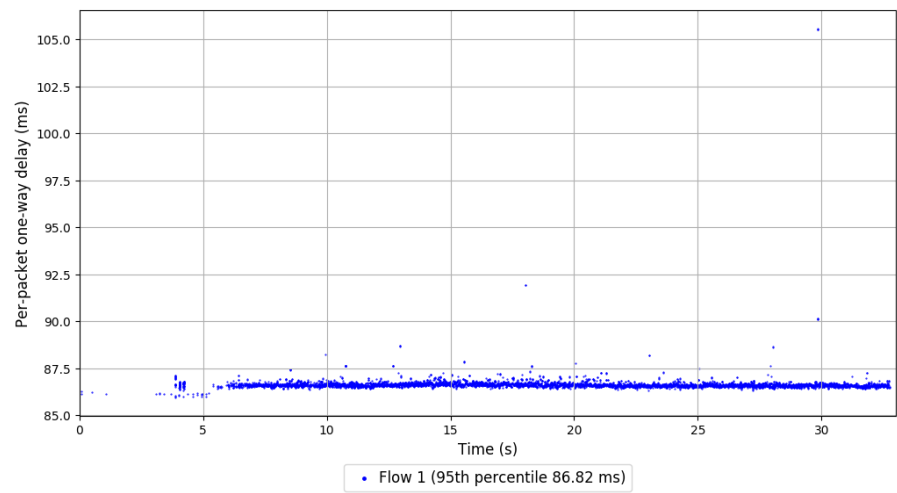
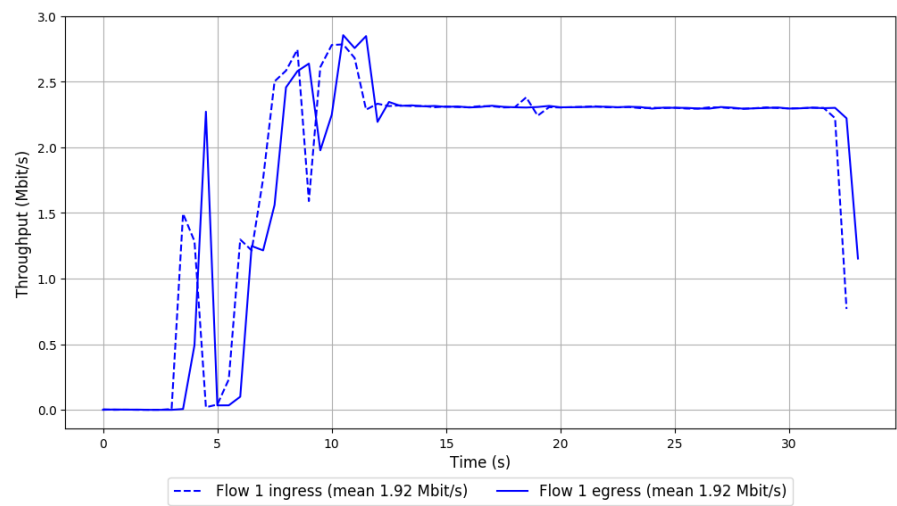


Run 7: Statistics of WebRTC media

Start at: 2018-06-18 09:54:46
End at: 2018-06-18 09:55:16
Local clock offset: 2.306 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.824 ms
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

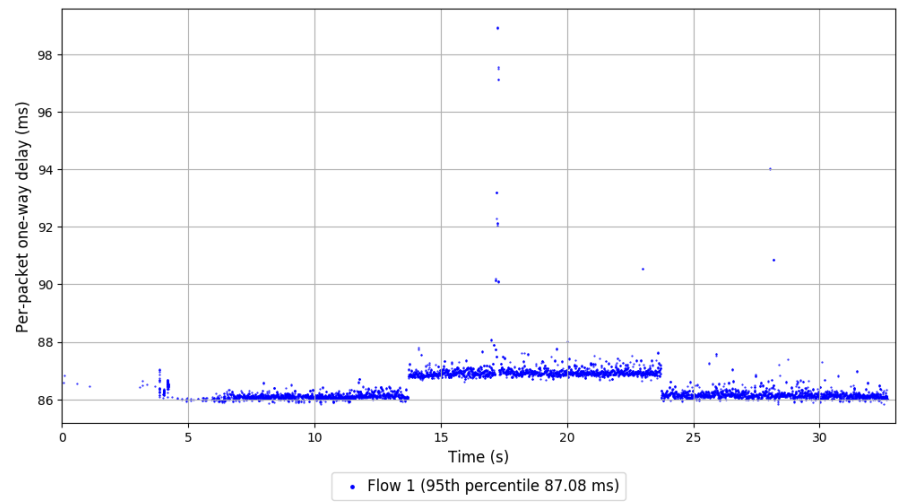
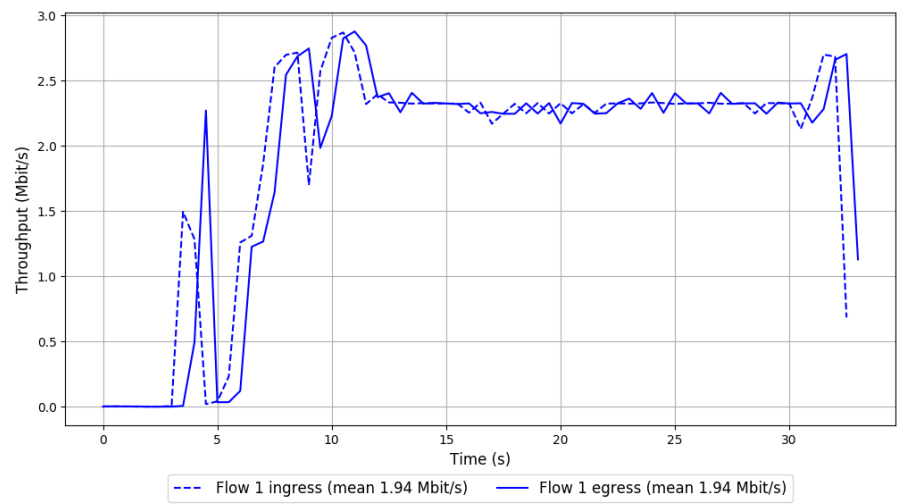


Run 8: Statistics of WebRTC media

Start at: 2018-06-18 10:15:38
End at: 2018-06-18 10:16:08
Local clock offset: 0.918 ms
Remote clock offset: -0.092 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 87.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 87.081 ms
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

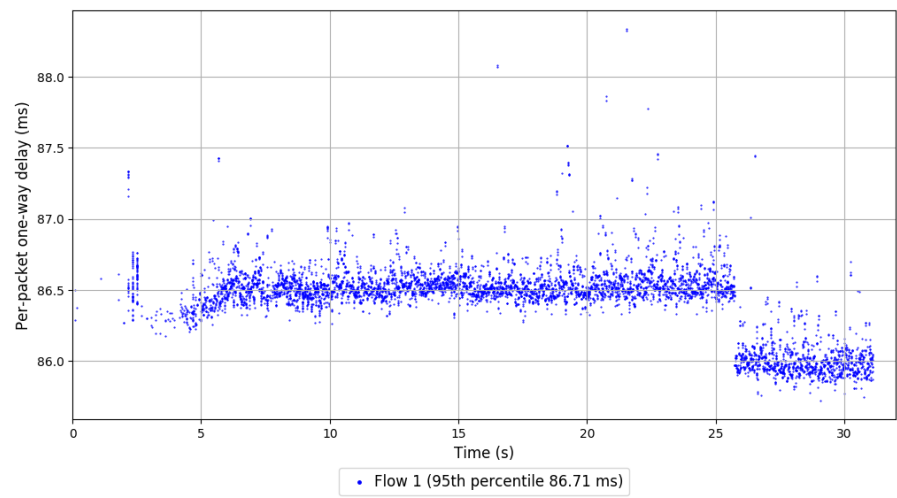
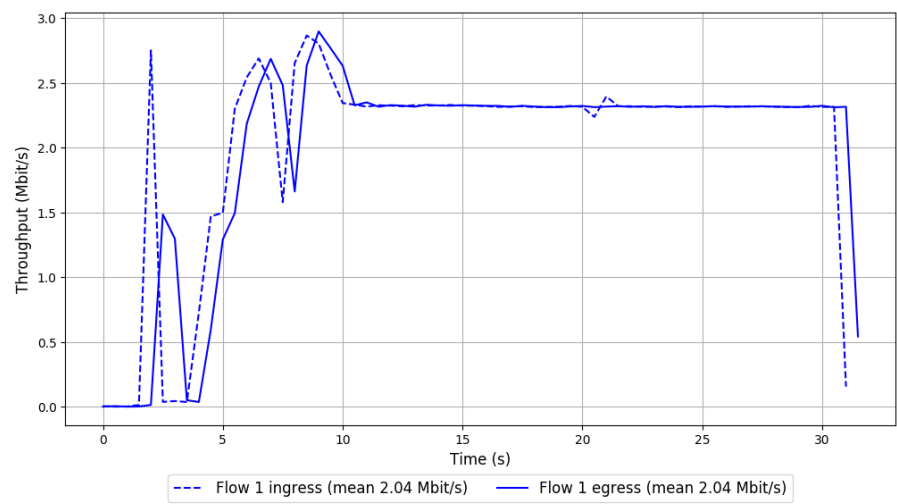


Run 9: Statistics of WebRTC media

Start at: 2018-06-18 10:36:34
End at: 2018-06-18 10:37:04
Local clock offset: 0.79 ms
Remote clock offset: -0.053 ms

Below is generated by plot.py at 2018-06-18 12:38:03
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 86.714 ms
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-18 10:57:23

End at: 2018-06-18 10:57:53

Local clock offset: 0.459 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at 2018-06-18 12:38:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.820 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 86.820 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

