

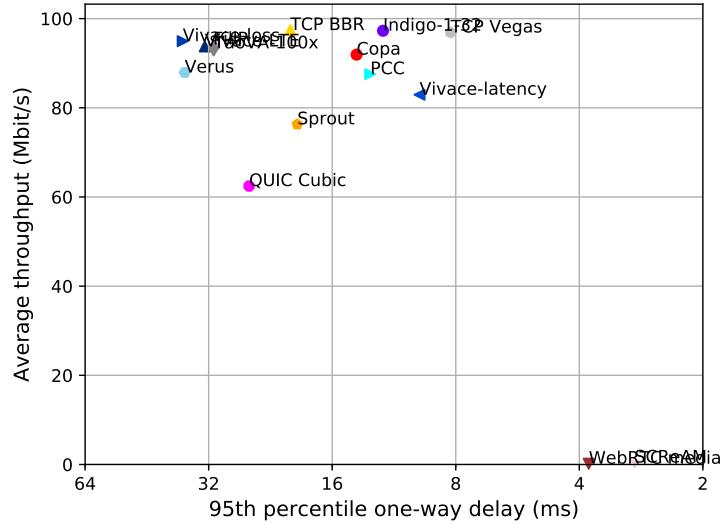
Pantheon Report

Generated at 2018-04-04 00:17:00 (UTC).
Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 Ethernet (*local*).
Repeated the test of 17 congestion control schemes 10 times.
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

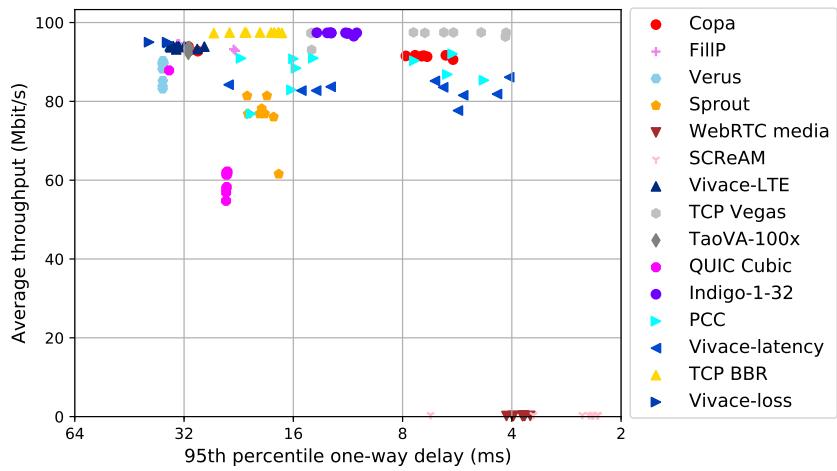
Git summary:

```
branch: master @ eb420b5be9bafcc22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bfff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



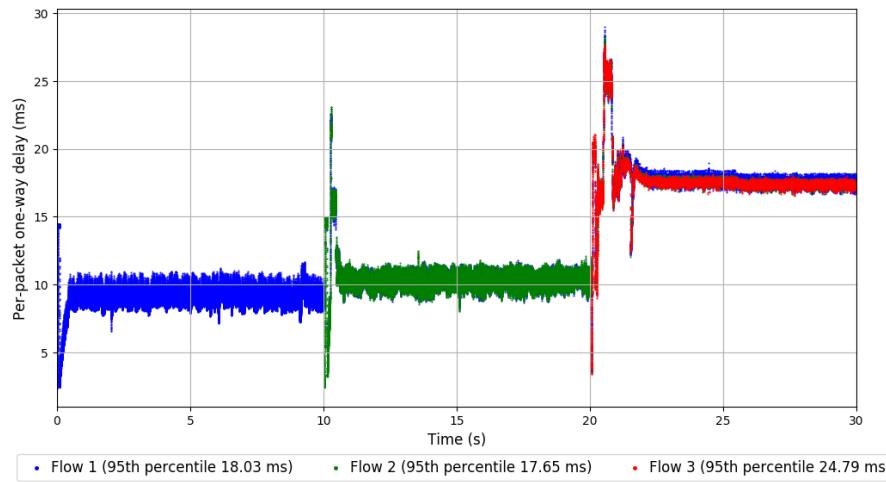
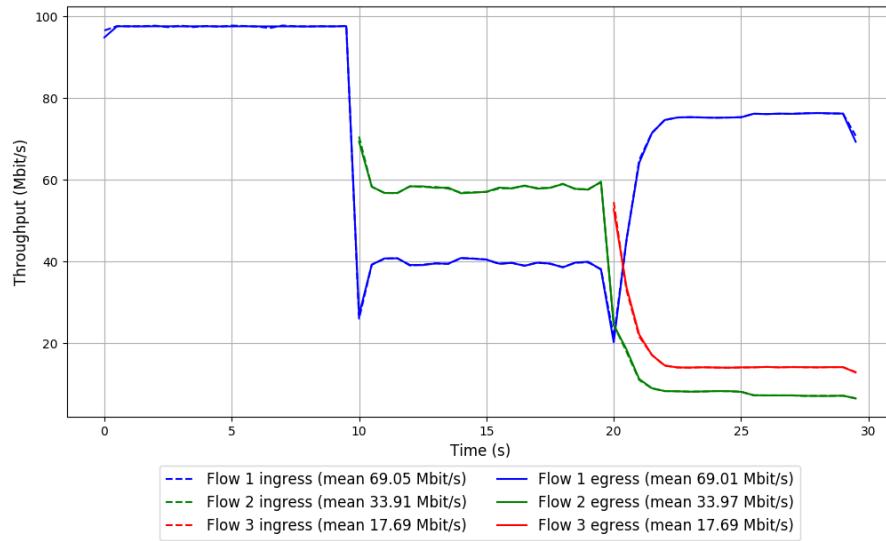
scheme	# runs	mean avg tput (Mbit/s)			mean 95th-%ile delay (ms)			mean loss rate (%)		
		flow 1	flow 2	flow 3	flow 1	flow 2	flow 3	flow 1	flow 2	flow 3
TCP BBR	10	66.96	34.47	22.77	20.06	19.51	25.25	0.09	0.04	0.19
TCP Cubic	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LEDBAT	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
PCC	10	70.83	20.31	9.78	12.67	13.56	12.94	0.02	0.05	0.10
QUIC Cubic	10	6.10	64.16	44.54	5.74	25.48	25.60	0.01	0.09	0.32
SCReAM	10	0.22	0.22	0.22	2.93	2.93	2.94	0.00	0.00	0.00
WebRTC media	10	0.06	0.06	0.05	3.74	3.78	3.81	0.00	0.00	0.00
Sprout	10	40.78	39.21	28.67	18.33	19.40	21.04	0.04	0.04	0.19
TaoVA-100x	10	56.39	39.69	31.90	30.77	30.90	31.19	0.06	0.13	0.35
TCP Vegas	10	49.23	42.91	57.63	11.43	7.47	4.43	0.01	0.01	0.06
Verus	10	51.37	39.46	31.04	35.79	36.62	36.70	0.08	0.16	0.38
Copa	10	53.28	40.72	34.94	13.15	15.04	17.11	0.02	0.06	0.18
FillP	10	52.92	44.87	34.66	29.92	31.37	32.10	0.11	2.08	4.42
Indigo-1-32	10	46.97	41.96	68.57	10.14	11.97	12.82	0.00	0.04	0.14
Vivace-latency	10	54.26	30.48	25.59	6.47	12.21	16.05	0.01	0.03	0.09
Vivace-loss	3	58.72	40.14	29.70	35.96	37.30	37.38	0.87	1.82	0.64
Vivace-LTE	10	60.09	36.60	28.47	31.71	33.05	33.77	0.04	0.09	0.28

Run 1: Statistics of TCP BBR

```
Start at: 2018-04-03 17:12:50
End at: 2018-04-03 17:13:20
Local clock offset: -6.941 ms
Remote clock offset: -6.741 ms

# Below is generated by plot.py at 2018-04-03 23:54:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 18.048 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 18.026 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 33.97 Mbit/s
95th percentile per-packet one-way delay: 17.654 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.69 Mbit/s
95th percentile per-packet one-way delay: 24.785 ms
Loss rate: 0.16%
```

Run 1: Report of TCP BBR — Data Link

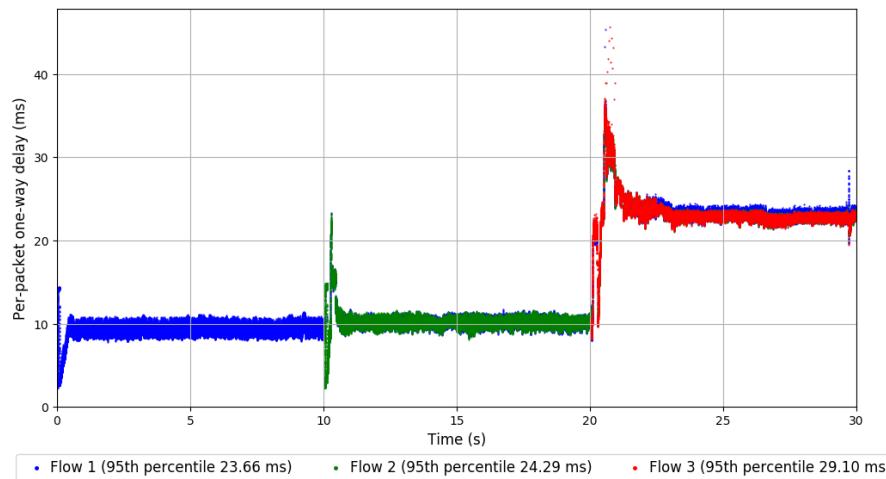
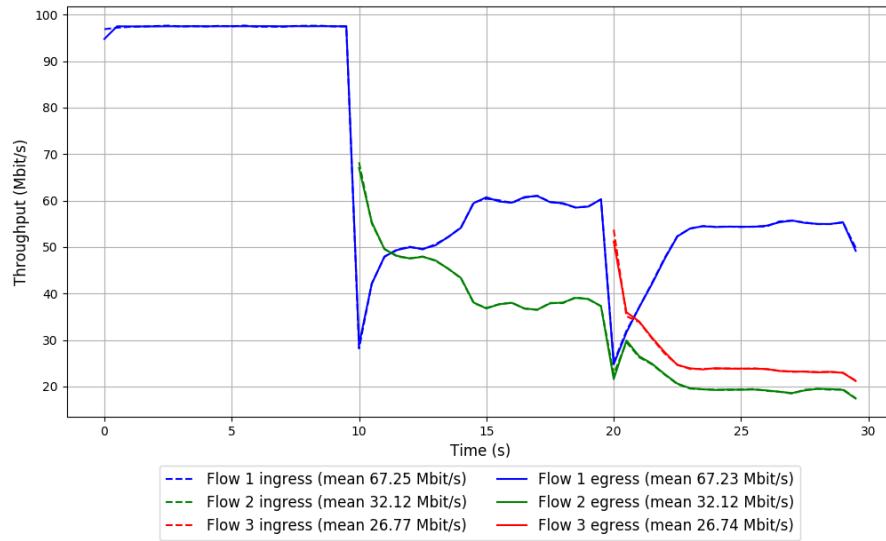


Run 2: Statistics of TCP BBR

```
Start at: 2018-04-03 17:33:16
End at: 2018-04-03 17:33:46
Local clock offset: -7.268 ms
Remote clock offset: -6.687 ms

# Below is generated by plot.py at 2018-04-03 23:54:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 23.969 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 23.658 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.12 Mbit/s
95th percentile per-packet one-way delay: 24.285 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 29.097 ms
Loss rate: 0.23%
```

Run 2: Report of TCP BBR — Data Link

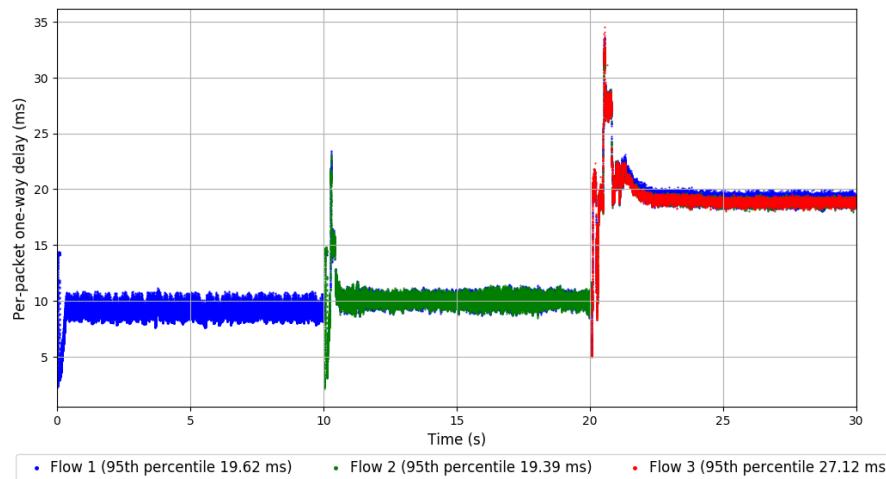
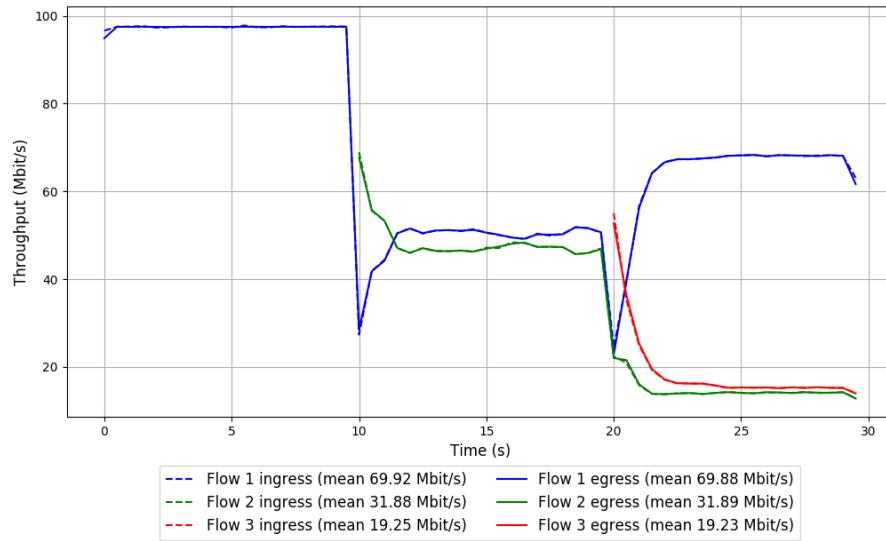


Run 3: Statistics of TCP BBR

```
Start at: 2018-04-03 17:53:43
End at: 2018-04-03 17:54:13
Local clock offset: -6.454 ms
Remote clock offset: -6.544 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 19.765 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 31.89 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 19.23 Mbit/s
95th percentile per-packet one-way delay: 27.123 ms
Loss rate: 0.17%
```

Run 3: Report of TCP BBR — Data Link

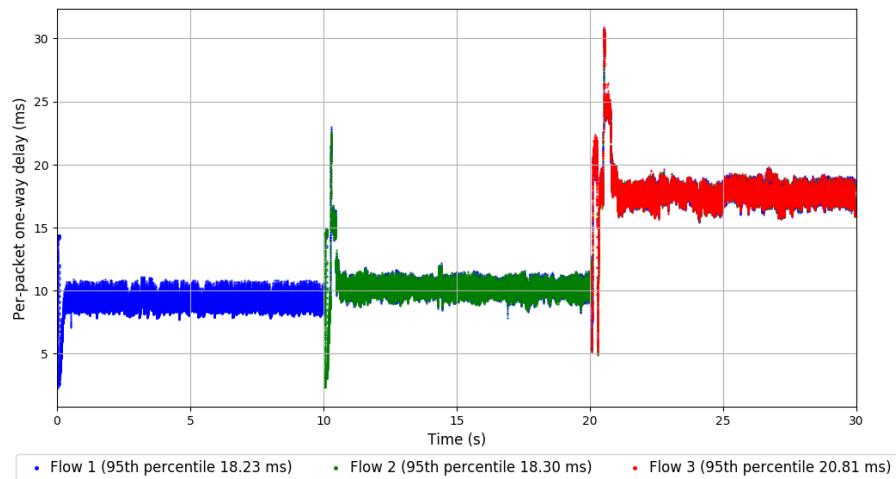
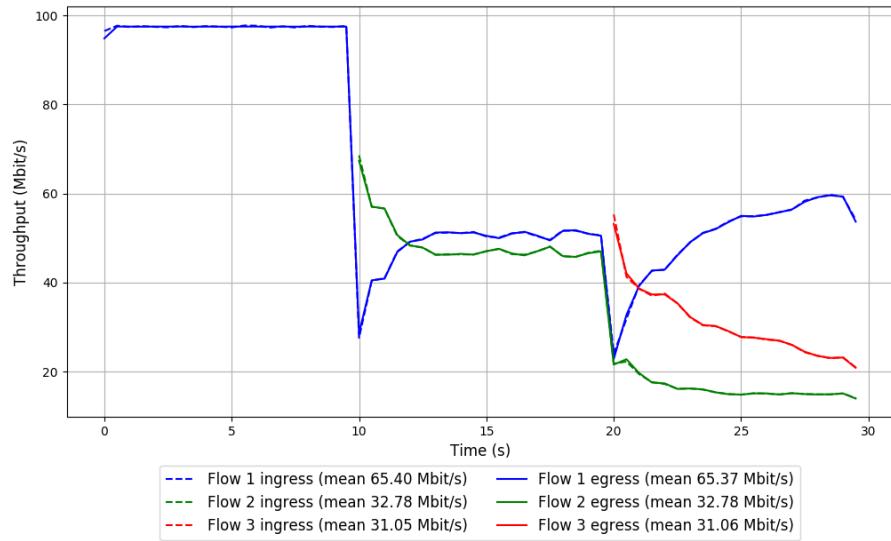


Run 4: Statistics of TCP BBR

```
Start at: 2018-04-03 18:14:07
End at: 2018-04-03 18:14:37
Local clock offset: -5.364 ms
Remote clock offset: -6.866 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 18.431 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 65.37 Mbit/s
95th percentile per-packet one-way delay: 18.233 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.78 Mbit/s
95th percentile per-packet one-way delay: 18.300 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 20.809 ms
Loss rate: 0.16%
```

Run 4: Report of TCP BBR — Data Link

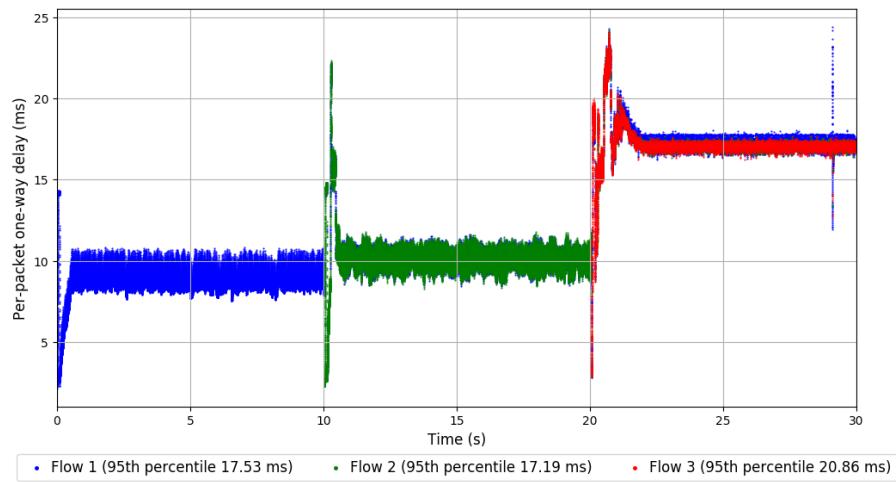
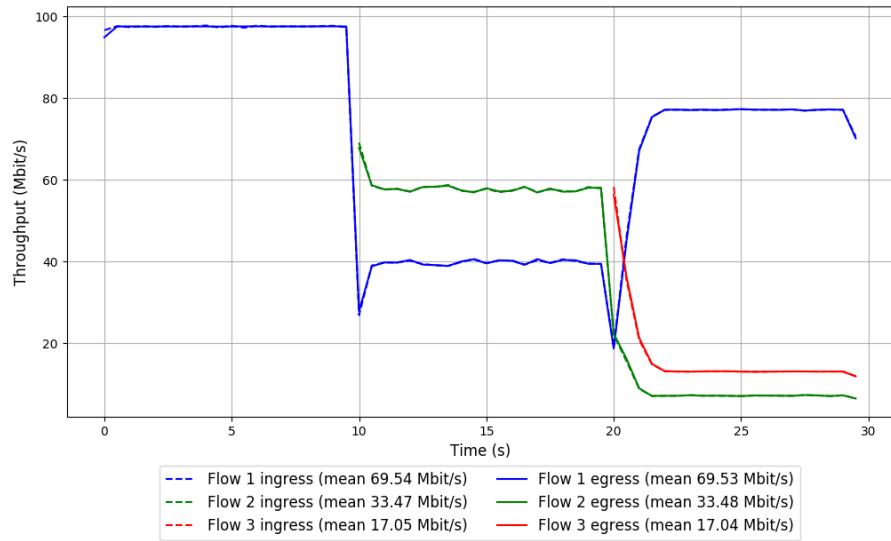


Run 5: Statistics of TCP BBR

```
Start at: 2018-04-03 18:34:34
End at: 2018-04-03 18:35:04
Local clock offset: -5.864 ms
Remote clock offset: -6.635 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 17.541 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.53 Mbit/s
95th percentile per-packet one-way delay: 17.530 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.48 Mbit/s
95th percentile per-packet one-way delay: 17.186 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 17.04 Mbit/s
95th percentile per-packet one-way delay: 20.864 ms
Loss rate: 0.16%
```

Run 5: Report of TCP BBR — Data Link

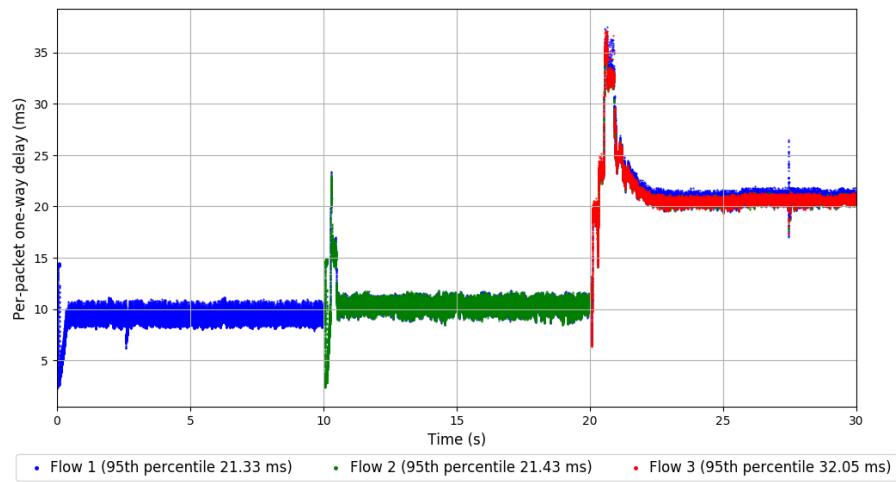
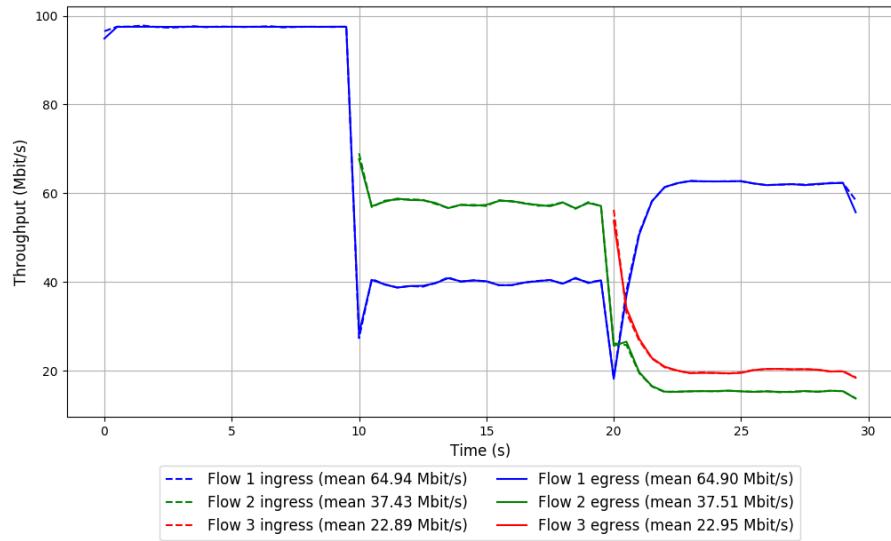


Run 6: Statistics of TCP BBR

```
Start at: 2018-04-03 18:54:59
End at: 2018-04-03 18:55:29
Local clock offset: -5.764 ms
Remote clock offset: -6.328 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 21.769 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 64.90 Mbit/s
95th percentile per-packet one-way delay: 21.326 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 37.51 Mbit/s
95th percentile per-packet one-way delay: 21.431 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 32.054 ms
Loss rate: 0.22%
```

Run 6: Report of TCP BBR — Data Link

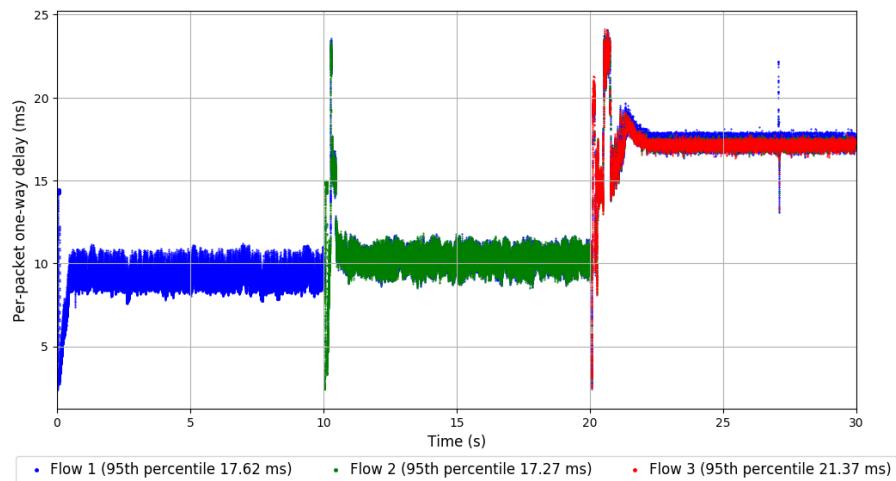
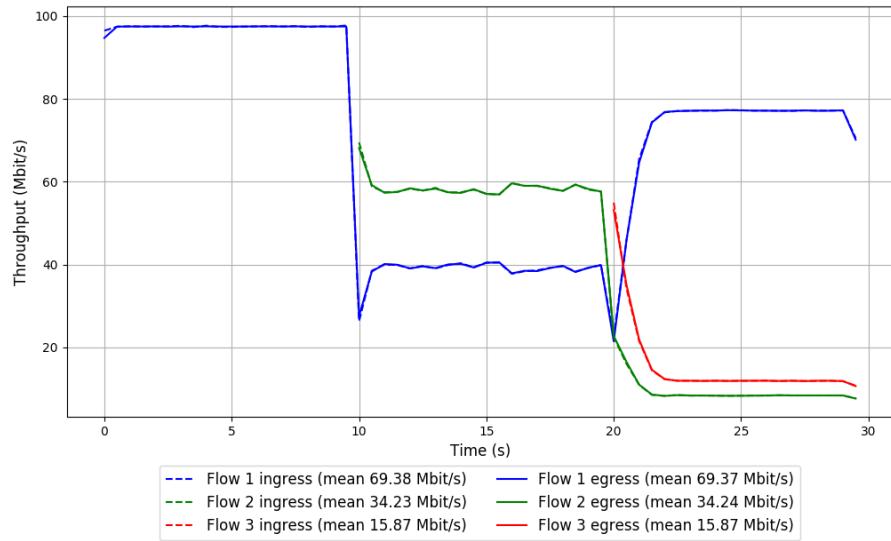


Run 7: Statistics of TCP BBR

```
Start at: 2018-04-03 19:15:24
End at: 2018-04-03 19:15:54
Local clock offset: -6.802 ms
Remote clock offset: -6.817 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 17.616 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 17.622 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 34.24 Mbit/s
95th percentile per-packet one-way delay: 17.268 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 21.374 ms
Loss rate: 0.15%
```

Run 7: Report of TCP BBR — Data Link

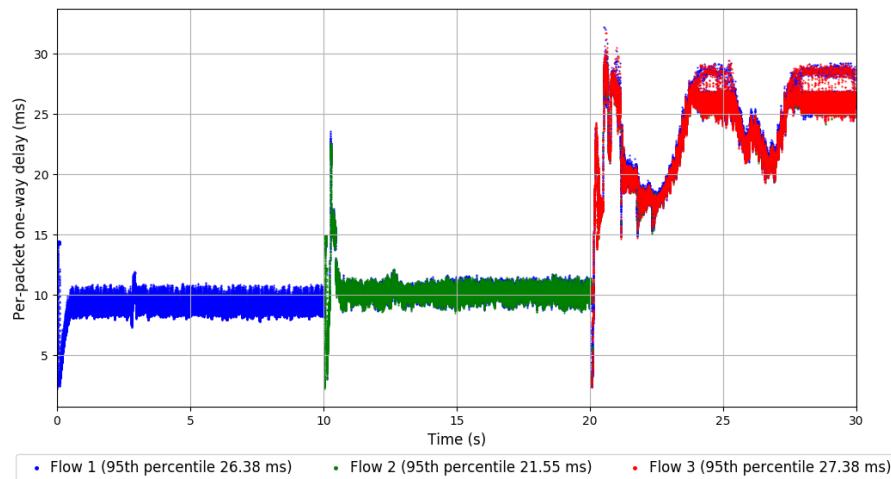
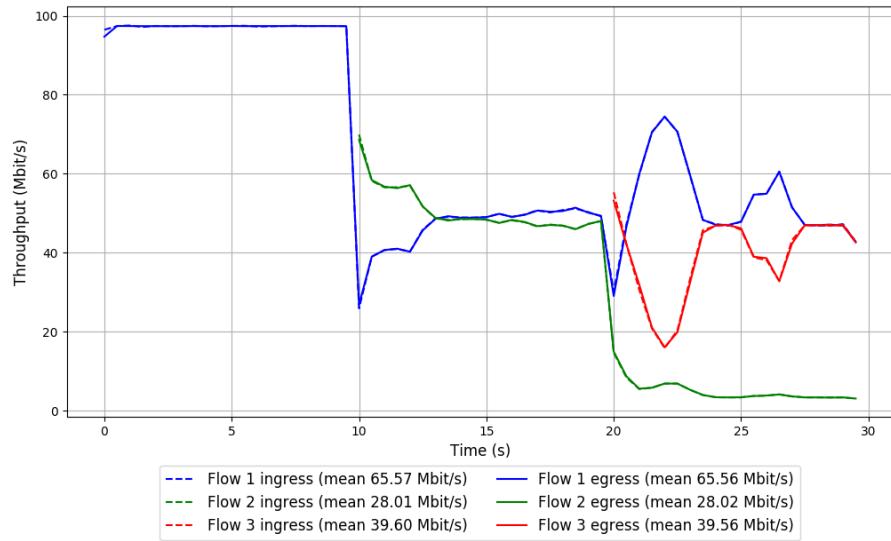


Run 8: Statistics of TCP BBR

```
Start at: 2018-04-03 19:35:48
End at: 2018-04-03 19:36:18
Local clock offset: -6.8 ms
Remote clock offset: -6.978 ms

# Below is generated by plot.py at 2018-04-03 23:54:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.30 Mbit/s
95th percentile per-packet one-way delay: 26.499 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 65.56 Mbit/s
95th percentile per-packet one-way delay: 26.375 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 21.554 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 27.384 ms
Loss rate: 0.34%
```

Run 8: Report of TCP BBR — Data Link

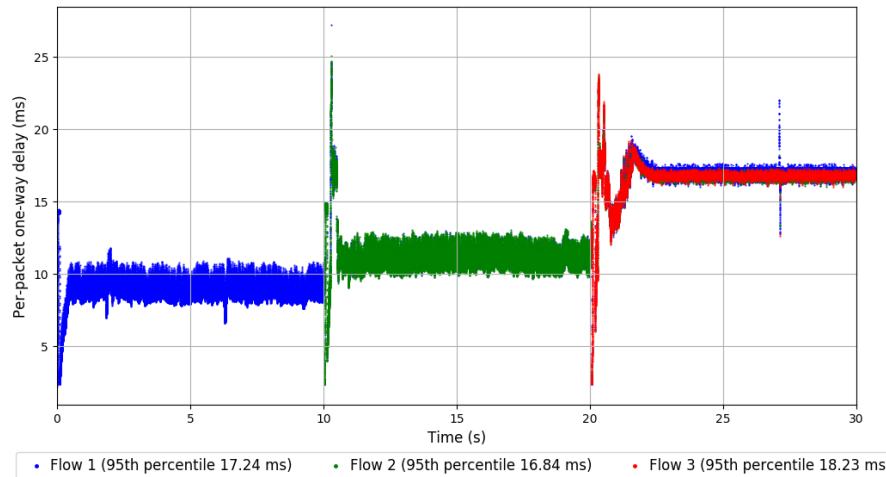
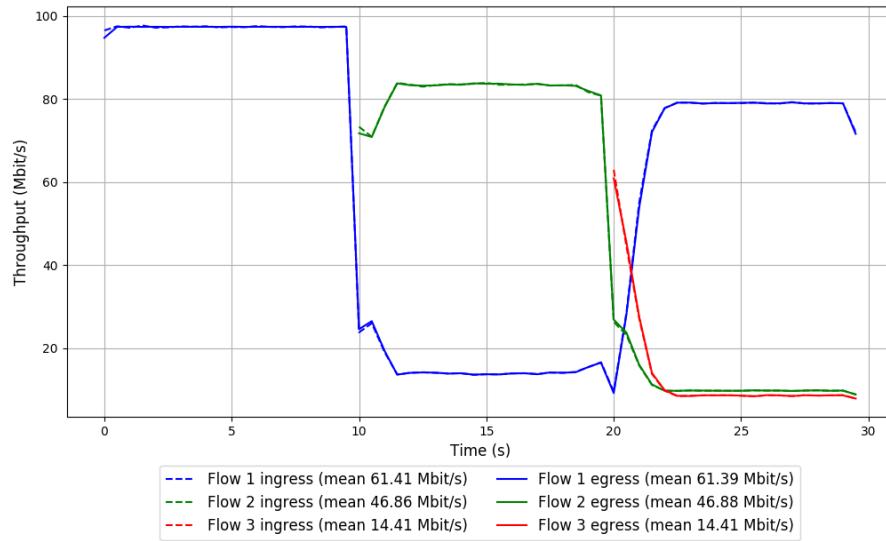


Run 9: Statistics of TCP BBR

```
Start at: 2018-04-03 19:56:11
End at: 2018-04-03 19:56:41
Local clock offset: -6.688 ms
Remote clock offset: -7.026 ms

# Below is generated by plot.py at 2018-04-03 23:55:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 17.204 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 61.39 Mbit/s
95th percentile per-packet one-way delay: 17.244 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 46.88 Mbit/s
95th percentile per-packet one-way delay: 16.840 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 18.230 ms
Loss rate: 0.12%
```

Run 9: Report of TCP BBR — Data Link

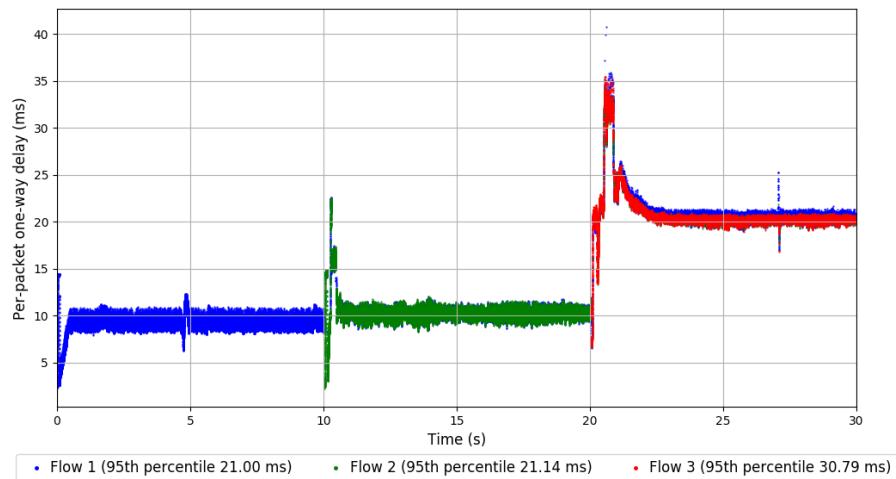
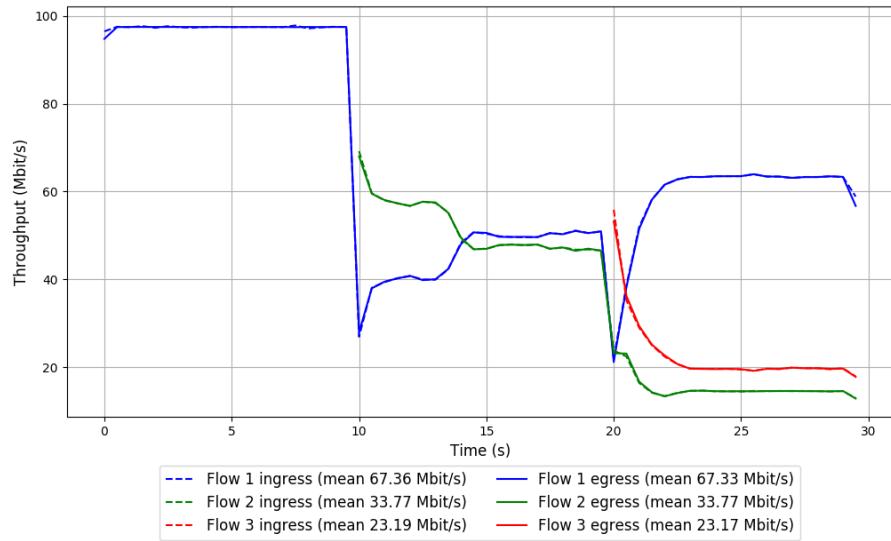


Run 10: Statistics of TCP BBR

```
Start at: 2018-04-03 20:16:35
End at: 2018-04-03 20:17:05
Local clock offset: -5.98 ms
Remote clock offset: -6.945 ms

# Below is generated by plot.py at 2018-04-03 23:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 21.584 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 67.33 Mbit/s
95th percentile per-packet one-way delay: 21.003 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 21.144 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 23.17 Mbit/s
95th percentile per-packet one-way delay: 30.786 ms
Loss rate: 0.20%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-03 17:09:30

End at: 2018-04-03 17:10:00

Local clock offset: -6.939 ms

Remote clock offset: -6.735 ms

Run 1: Report of TCP Cubic — Data Link

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Run 2: Statistics of TCP Cubic

Start at: 2018-04-03 17:29:55

End at: 2018-04-03 17:30:25

Local clock offset: -7.226 ms

Remote clock offset: -6.698 ms

Run 2: Report of TCP Cubic — Data Link

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Run 3: Statistics of TCP Cubic

Start at: 2018-04-03 17:50:22

End at: 2018-04-03 17:50:52

Local clock offset: -6.861 ms

Remote clock offset: -6.611 ms

Run 3: Report of TCP Cubic — Data Link

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Run 4: Statistics of TCP Cubic

Start at: 2018-04-03 18:10:47

End at: 2018-04-03 18:11:17

Local clock offset: -5.499 ms

Remote clock offset: -6.859 ms

Run 4: Report of TCP Cubic — Data Link

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Run 5: Statistics of TCP Cubic

Start at: 2018-04-03 18:31:13

End at: 2018-04-03 18:31:44

Local clock offset: -5.831 ms

Remote clock offset: -6.811 ms

Run 5: Report of TCP Cubic — Data Link

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Run 6: Statistics of TCP Cubic

Start at: 2018-04-03 18:51:39

End at: 2018-04-03 18:52:09

Local clock offset: -5.806 ms

Remote clock offset: -6.457 ms

Run 6: Report of TCP Cubic — Data Link

Figure is missing

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Run 7: Statistics of TCP Cubic

Start at: 2018-04-03 19:12:03

End at: 2018-04-03 19:12:33

Local clock offset: -6.811 ms

Remote clock offset: -6.713 ms

Run 7: Report of TCP Cubic — Data Link

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Run 8: Statistics of TCP Cubic

Start at: 2018-04-03 19:32:27

End at: 2018-04-03 19:32:57

Local clock offset: -6.846 ms

Remote clock offset: -6.907 ms

Run 8: Report of TCP Cubic — Data Link

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Figure is missing

Run 9: Statistics of TCP Cubic

Start at: 2018-04-03 19:52:50

End at: 2018-04-03 19:53:20

Local clock offset: -6.711 ms

Remote clock offset: -7.01 ms

Run 9: Report of TCP Cubic — Data Link

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Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2018-04-03 20:13:15

End at: 2018-04-03 20:13:45

Local clock offset: -6.094 ms

Remote clock offset: -7.029 ms

Run 10: Report of TCP Cubic — Data Link

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Run 1: Statistics of LEDBAT

Start at: 2018-04-03 17:01:30
End at: 2018-04-03 17:02:00
Local clock offset: -6.83 ms
Remote clock offset: -6.843 ms

Run 1: Report of LEDBAT — Data Link

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Run 2: Statistics of LEDBAT

Start at: 2018-04-03 17:21:55
End at: 2018-04-03 17:22:25
Local clock offset: -7.203 ms
Remote clock offset: -6.687 ms

Run 2: Report of LEDBAT — Data Link

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Run 3: Statistics of LEDBAT

Start at: 2018-04-03 17:42:23

End at: 2018-04-03 17:42:53

Local clock offset: -7.325 ms

Remote clock offset: -6.62 ms

Run 3: Report of LEDBAT — Data Link

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Run 4: Statistics of LEDBAT

Start at: 2018-04-03 18:02:48
End at: 2018-04-03 18:03:18
Local clock offset: -5.814 ms
Remote clock offset: -6.805 ms

Run 4: Report of LEDBAT — Data Link

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Run 5: Statistics of LEDBAT

Start at: 2018-04-03 18:23:14
End at: 2018-04-03 18:23:44
Local clock offset: -5.416 ms
Remote clock offset: -6.906 ms

Run 5: Report of LEDBAT — Data Link

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Run 6: Statistics of LEDBAT

Start at: 2018-04-03 18:43:41
End at: 2018-04-03 18:44:11
Local clock offset: -5.877 ms
Remote clock offset: -6.544 ms

Run 6: Report of LEDBAT — Data Link

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Run 7: Statistics of LEDBAT

Start at: 2018-04-03 19:04:04

End at: 2018-04-03 19:04:34

Local clock offset: -6.476 ms

Remote clock offset: -6.462 ms

Run 7: Report of LEDBAT — Data Link

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Figure is missing

Run 8: Statistics of LEDBAT

Start at: 2018-04-03 19:24:28
End at: 2018-04-03 19:24:58
Local clock offset: -6.889 ms
Remote clock offset: -6.88 ms

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2018-04-03 19:44:52
End at: 2018-04-03 19:45:22
Local clock offset: -6.676 ms
Remote clock offset: -6.935 ms

Run 9: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of LEDBAT

Start at: 2018-04-03 20:05:15

End at: 2018-04-03 20:05:45

Local clock offset: -6.497 ms

Remote clock offset: -6.958 ms

Run 10: Report of LEDBAT — Data Link

Figure is missing

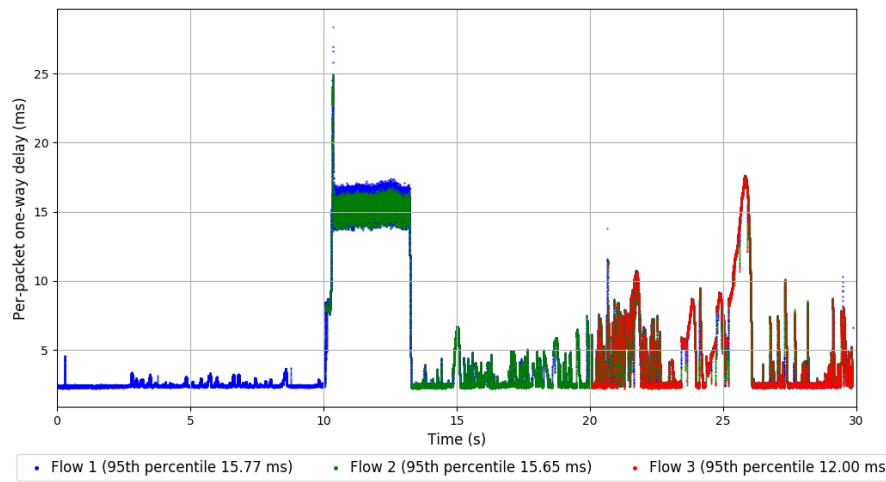
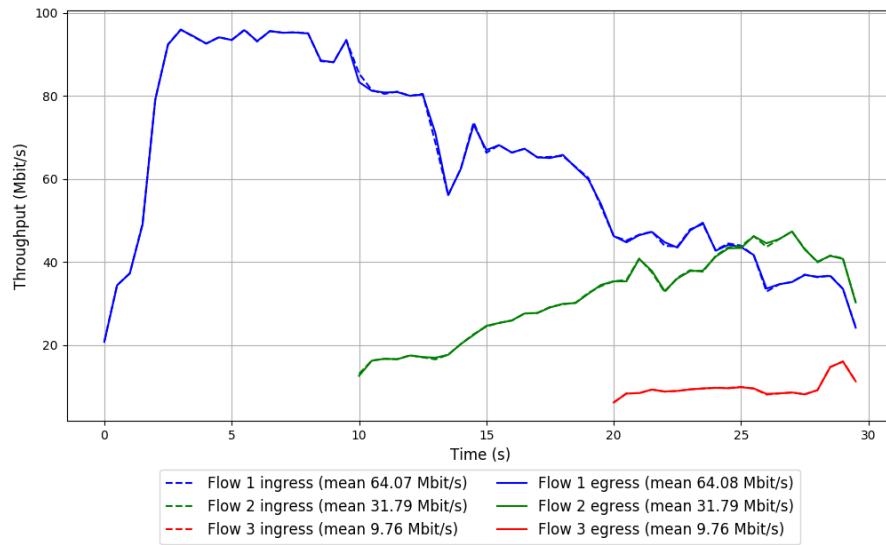
Figure is missing

```
Run 1: Statistics of PCC

Start at: 2018-04-03 17:06:02
End at: 2018-04-03 17:06:32
Local clock offset: -6.869 ms
Remote clock offset: -6.776 ms

# Below is generated by plot.py at 2018-04-03 23:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 15.724 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.08 Mbit/s
95th percentile per-packet one-way delay: 15.766 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 15.650 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 9.76 Mbit/s
95th percentile per-packet one-way delay: 12.004 ms
Loss rate: 0.10%
```

Run 1: Report of PCC — Data Link

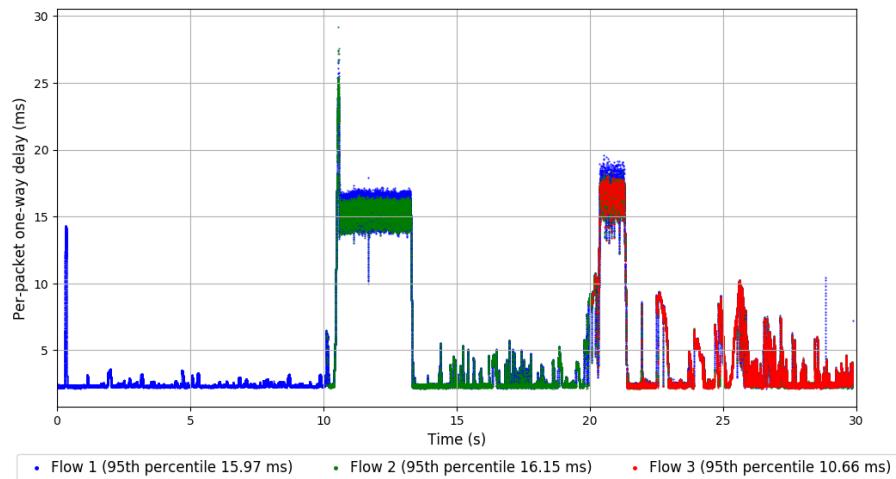
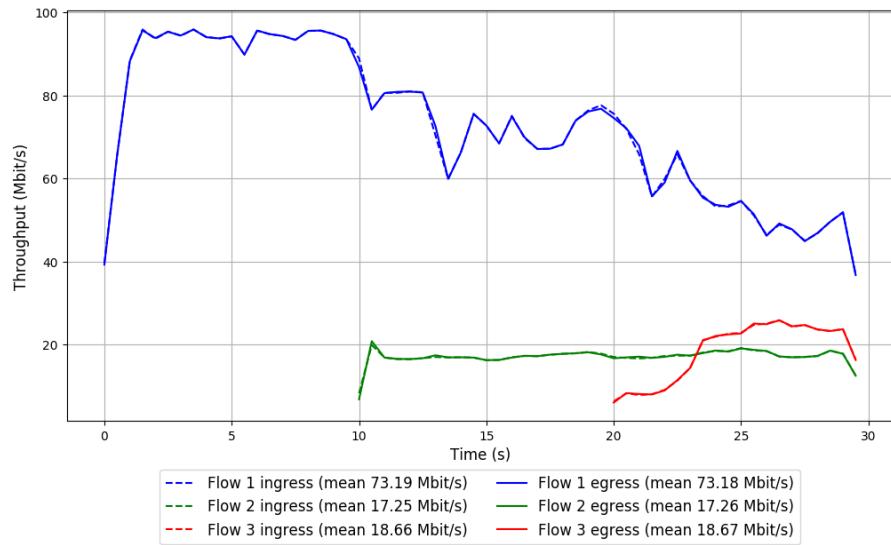


Run 2: Statistics of PCC

```
Start at: 2018-04-03 17:26:27
End at: 2018-04-03 17:26:57
Local clock offset: -7.208 ms
Remote clock offset: -6.665 ms

# Below is generated by plot.py at 2018-04-03 23:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 15.981 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 73.18 Mbit/s
95th percentile per-packet one-way delay: 15.966 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.26 Mbit/s
95th percentile per-packet one-way delay: 16.146 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 18.67 Mbit/s
95th percentile per-packet one-way delay: 10.663 ms
Loss rate: 0.07%
```

Run 2: Report of PCC — Data Link

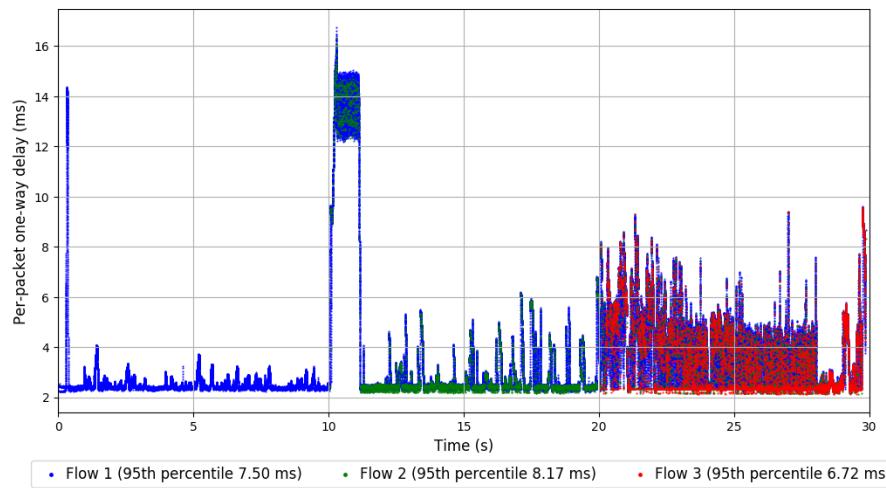
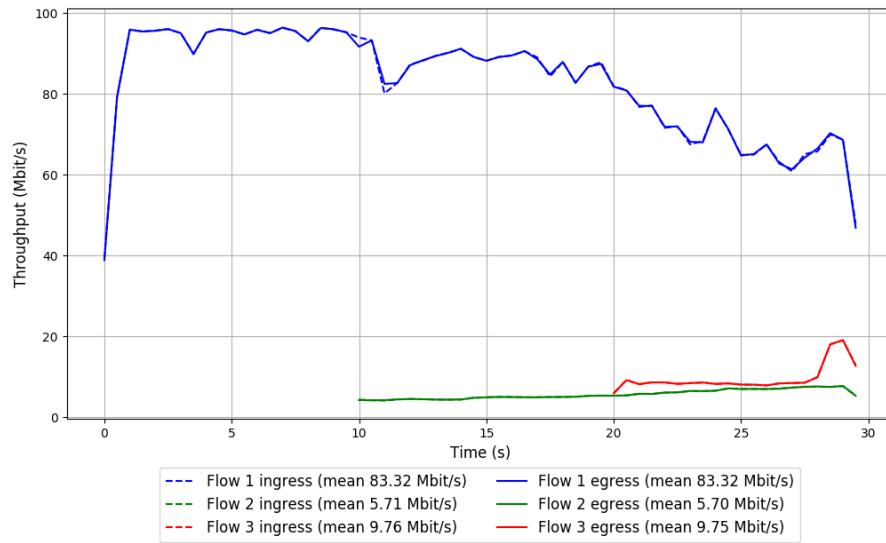


Run 3: Statistics of PCC

```
Start at: 2018-04-03 17:46:54
End at: 2018-04-03 17:47:24
Local clock offset: -7.325 ms
Remote clock offset: -6.64 ms

# Below is generated by plot.py at 2018-04-03 23:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 7.424 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 83.32 Mbit/s
95th percentile per-packet one-way delay: 7.497 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 5.70 Mbit/s
95th percentile per-packet one-way delay: 8.174 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 6.725 ms
Loss rate: 0.16%
```

Run 3: Report of PCC — Data Link

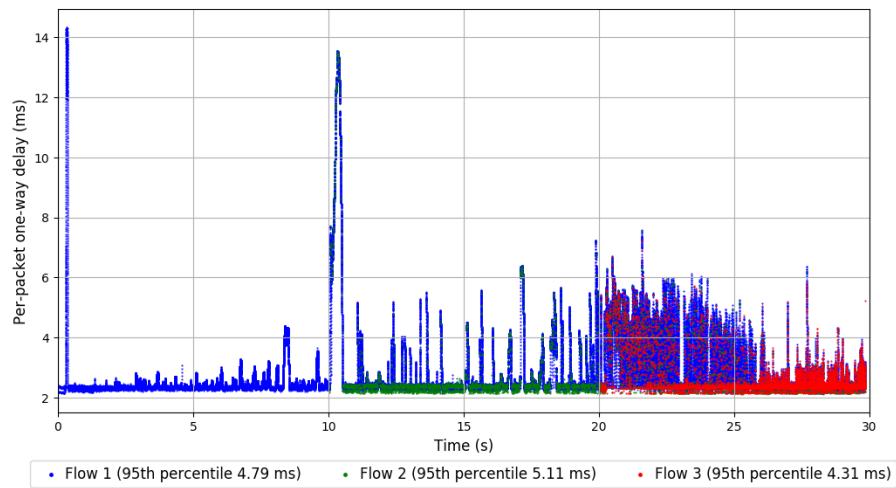
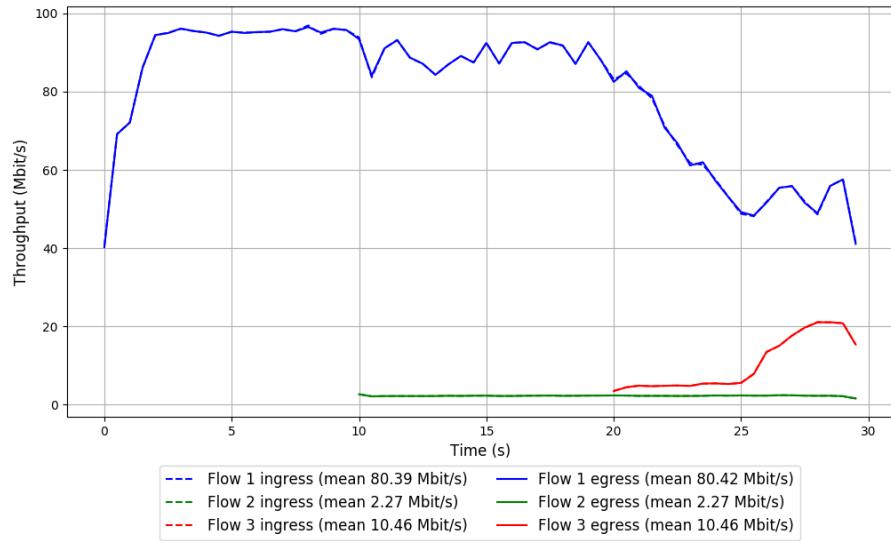


Run 4: Statistics of PCC

```
Start at: 2018-04-03 18:07:19
End at: 2018-04-03 18:07:49
Local clock offset: -5.613 ms
Remote clock offset: -6.838 ms

# Below is generated by plot.py at 2018-04-03 23:55:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 4.774 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 4.789 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 5.112 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 10.46 Mbit/s
95th percentile per-packet one-way delay: 4.310 ms
Loss rate: 0.05%
```

Run 4: Report of PCC — Data Link

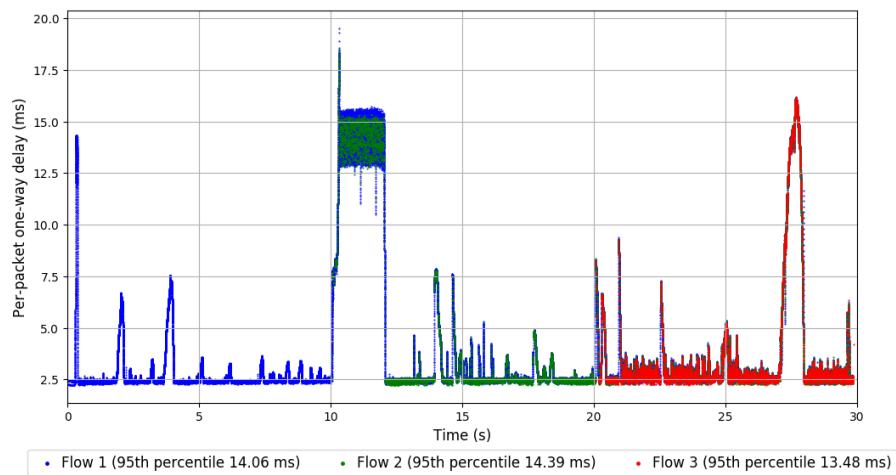
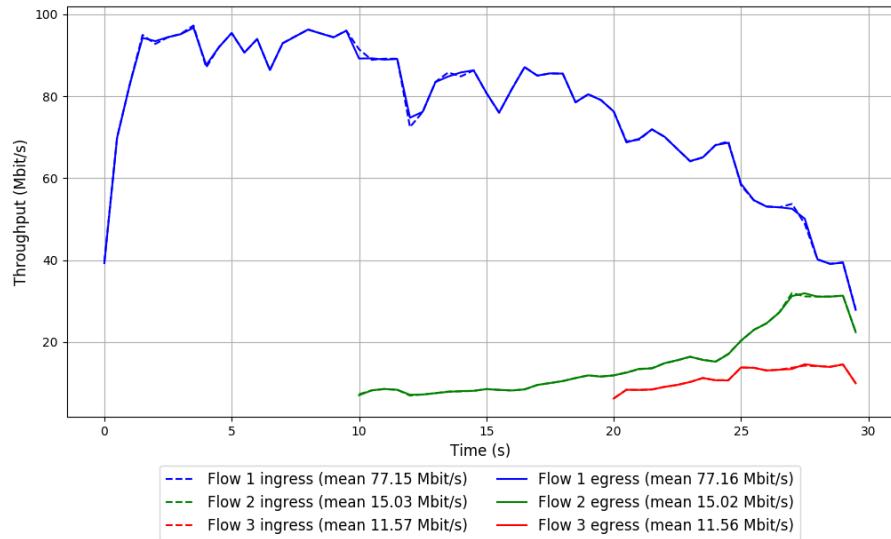


Run 5: Statistics of PCC

```
Start at: 2018-04-03 18:27:45
End at: 2018-04-03 18:28:15
Local clock offset: -5.671 ms
Remote clock offset: -6.958 ms

# Below is generated by plot.py at 2018-04-03 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 14.093 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 14.062 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 14.387 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 11.56 Mbit/s
95th percentile per-packet one-way delay: 13.483 ms
Loss rate: 0.05%
```

Run 5: Report of PCC — Data Link

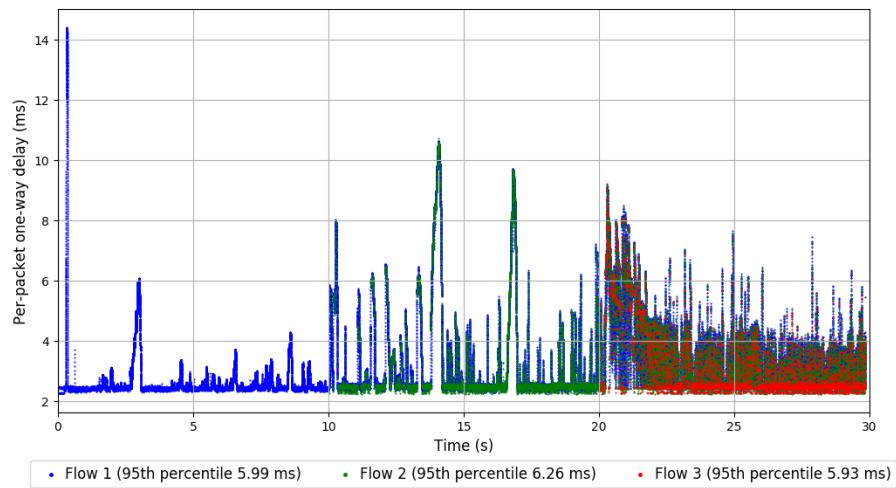
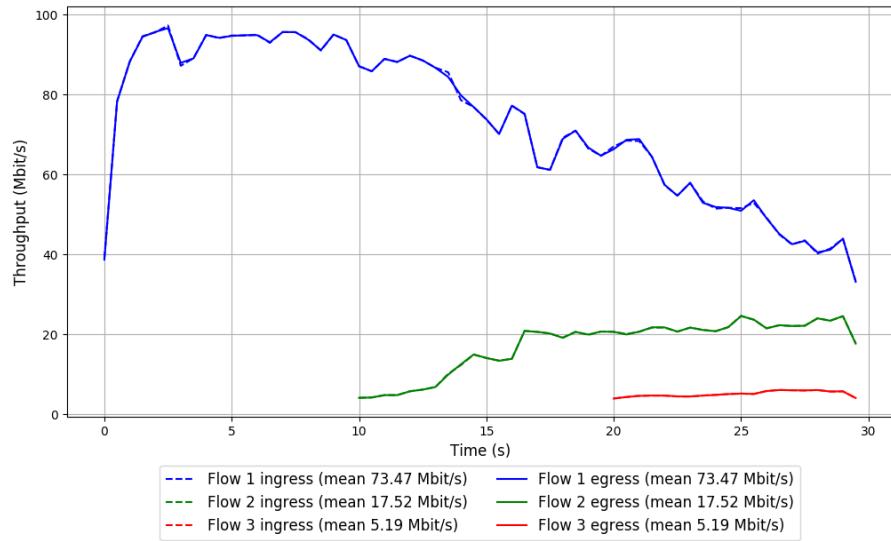


Run 6: Statistics of PCC

```
Start at: 2018-04-03 18:48:11
End at: 2018-04-03 18:48:41
Local clock offset: -5.837 ms
Remote clock offset: -6.494 ms

# Below is generated by plot.py at 2018-04-03 23:55:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 6.021 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 73.47 Mbit/s
95th percentile per-packet one-way delay: 5.991 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.52 Mbit/s
95th percentile per-packet one-way delay: 6.257 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 5.932 ms
Loss rate: 0.05%
```

Run 6: Report of PCC — Data Link

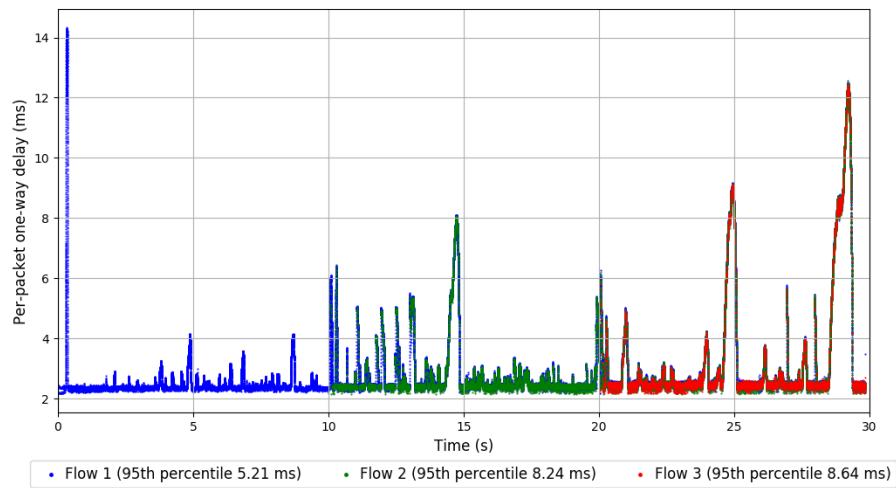
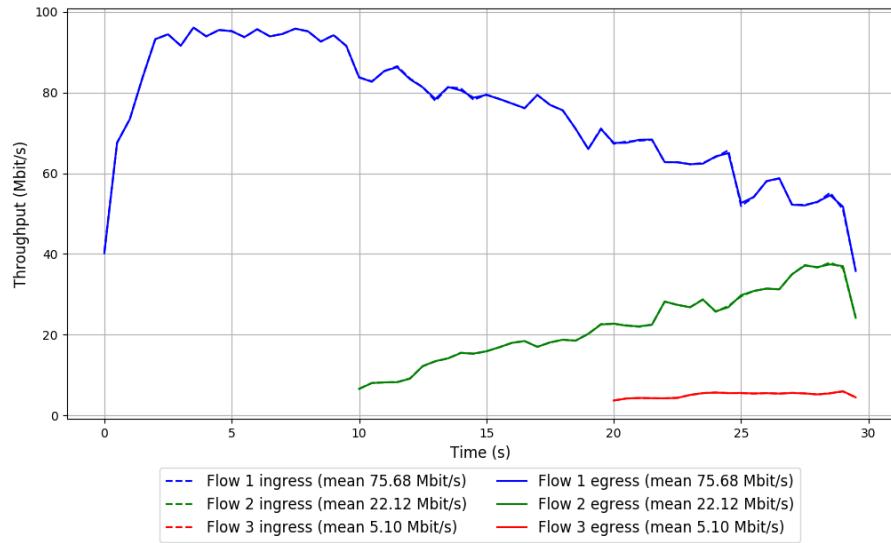


Run 7: Statistics of PCC

```
Start at: 2018-04-03 19:08:35
End at: 2018-04-03 19:09:05
Local clock offset: -6.676 ms
Remote clock offset: -6.632 ms

# Below is generated by plot.py at 2018-04-03 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 5.824 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.68 Mbit/s
95th percentile per-packet one-way delay: 5.211 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 22.12 Mbit/s
95th percentile per-packet one-way delay: 8.244 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 8.643 ms
Loss rate: 0.02%
```

Run 7: Report of PCC — Data Link

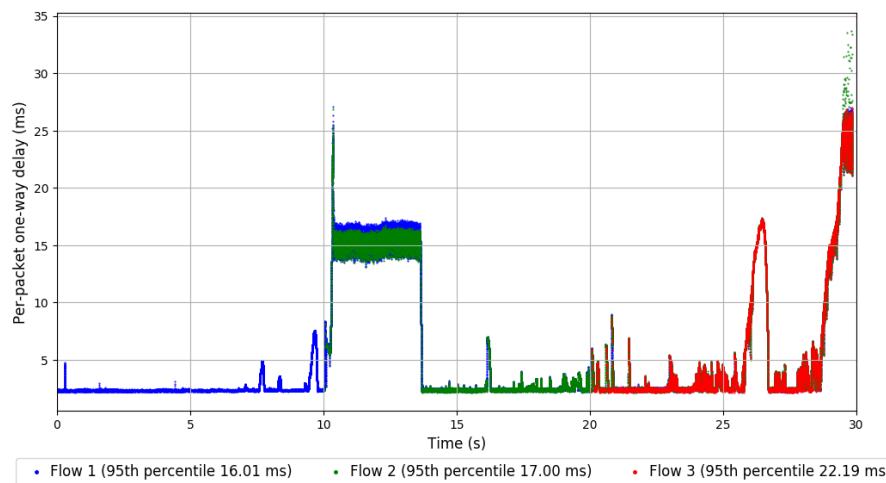
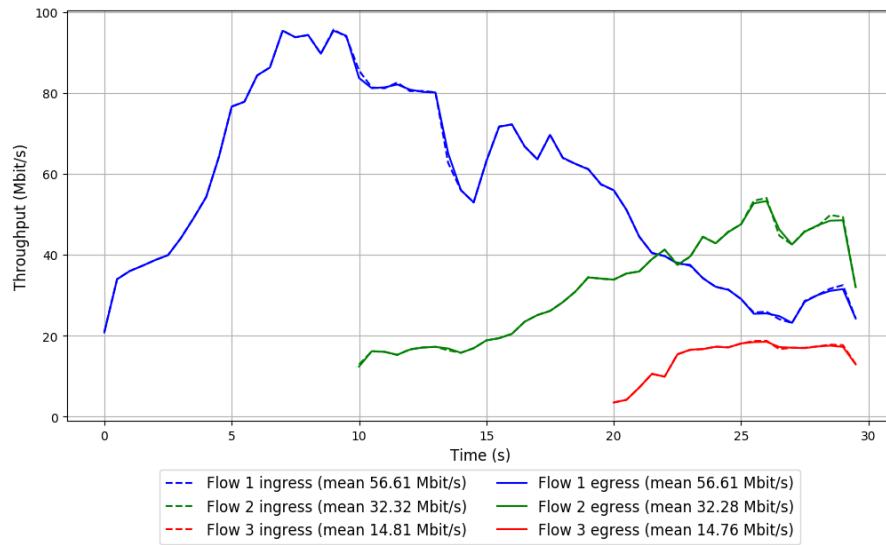


Run 8: Statistics of PCC

```
Start at: 2018-04-03 19:29:00
End at: 2018-04-03 19:29:30
Local clock offset: -6.944 ms
Remote clock offset: -6.885 ms

# Below is generated by plot.py at 2018-04-03 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 16.187 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 16.014 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 32.28 Mbit/s
95th percentile per-packet one-way delay: 17.002 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 14.76 Mbit/s
95th percentile per-packet one-way delay: 22.188 ms
Loss rate: 0.34%
```

Run 8: Report of PCC — Data Link

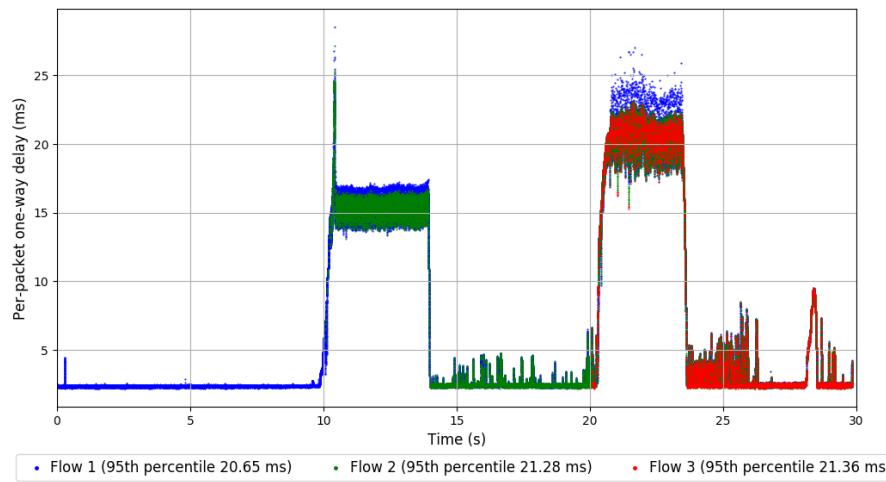
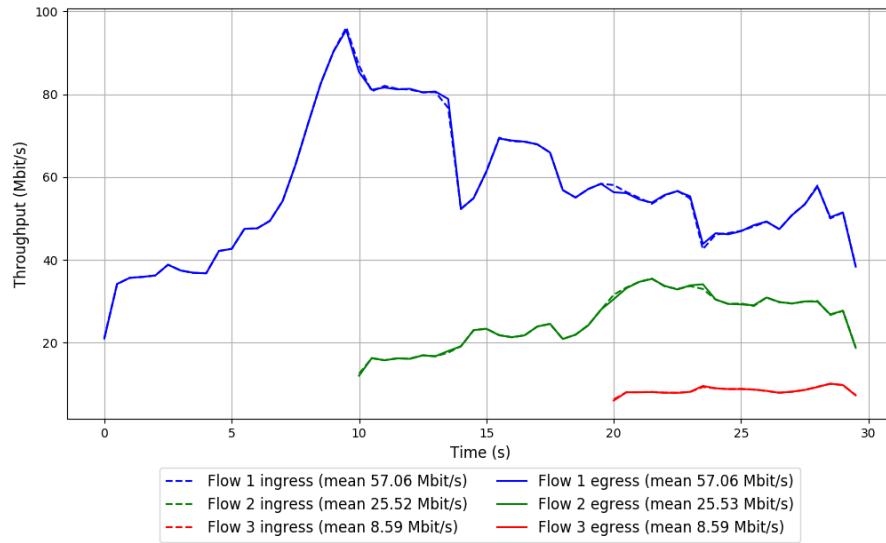


Run 9: Statistics of PCC

```
Start at: 2018-04-03 19:49:23
End at: 2018-04-03 19:49:53
Local clock offset: -6.643 ms
Remote clock offset: -6.952 ms

# Below is generated by plot.py at 2018-04-03 23:56:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 20.938 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.06 Mbit/s
95th percentile per-packet one-way delay: 20.654 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 25.53 Mbit/s
95th percentile per-packet one-way delay: 21.278 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.59 Mbit/s
95th percentile per-packet one-way delay: 21.364 ms
Loss rate: 0.06%
```

Run 9: Report of PCC — Data Link

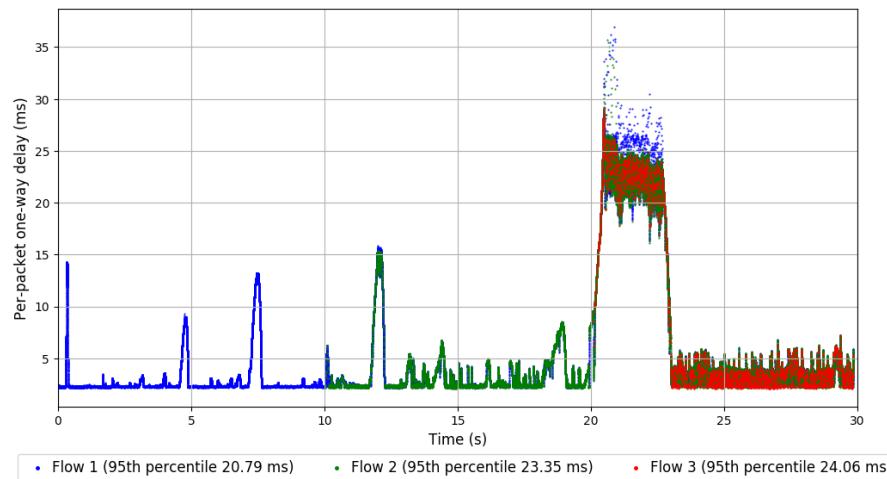
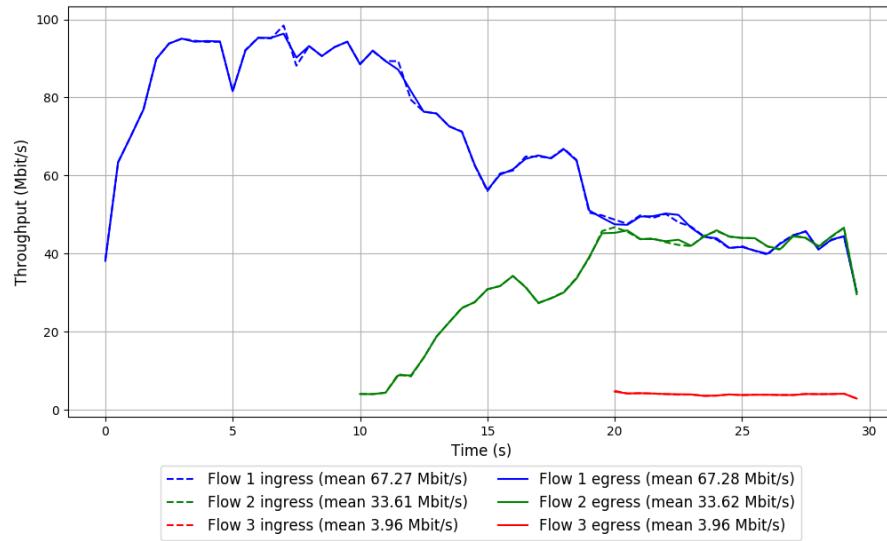


Run 10: Statistics of PCC

```
Start at: 2018-04-03 20:09:47
End at: 2018-04-03 20:10:17
Local clock offset: -6.226 ms
Remote clock offset: -6.964 ms

# Below is generated by plot.py at 2018-04-03 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 22.293 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.28 Mbit/s
95th percentile per-packet one-way delay: 20.788 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: 23.349 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 24.058 ms
Loss rate: 0.06%
```

Run 10: Report of PCC — Data Link

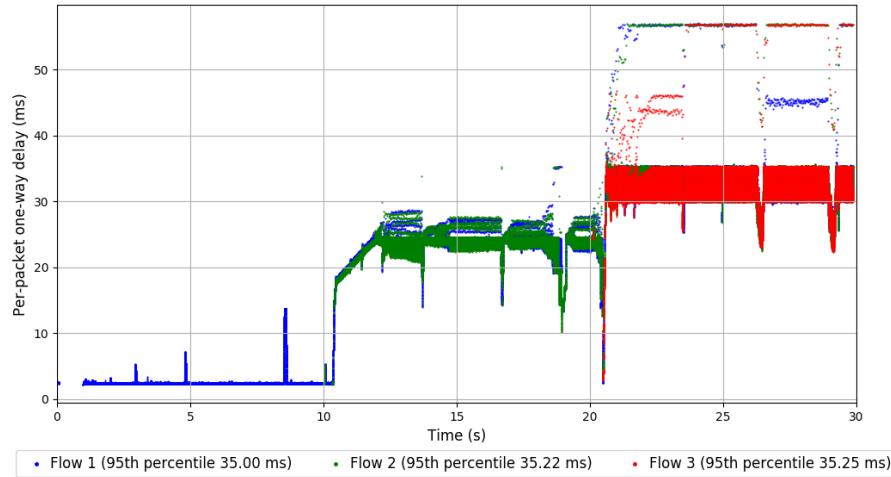
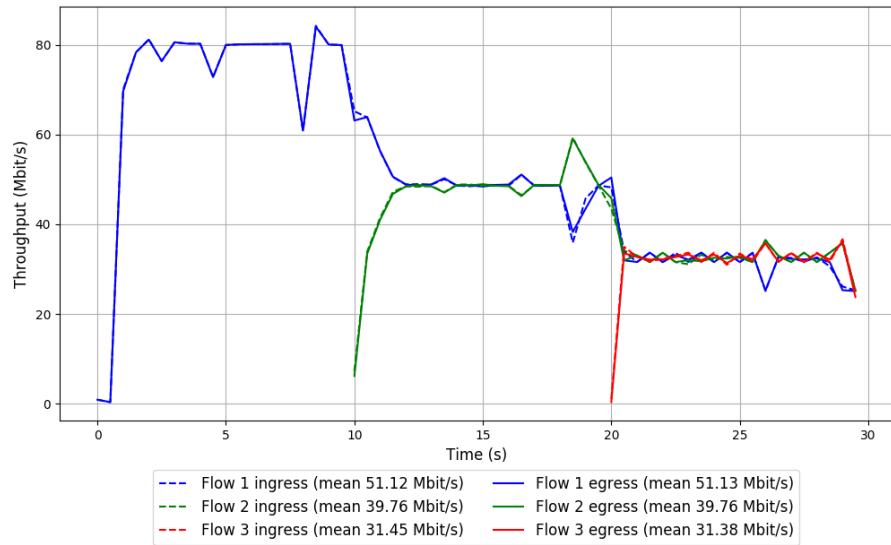


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-04-03 17:02:37
End at: 2018-04-03 17:03:08
Local clock offset: -6.842 ms
Remote clock offset: -6.792 ms

# Below is generated by plot.py at 2018-04-03 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 35.187 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 35.002 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 35.216 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.38 Mbit/s
95th percentile per-packet one-way delay: 35.254 ms
Loss rate: 0.50%
```

Run 1: Report of QUIC Cubic — Data Link

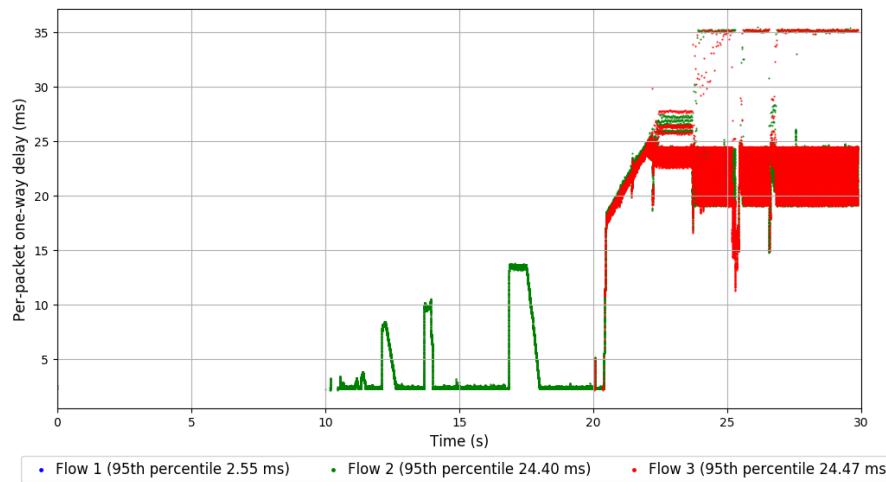
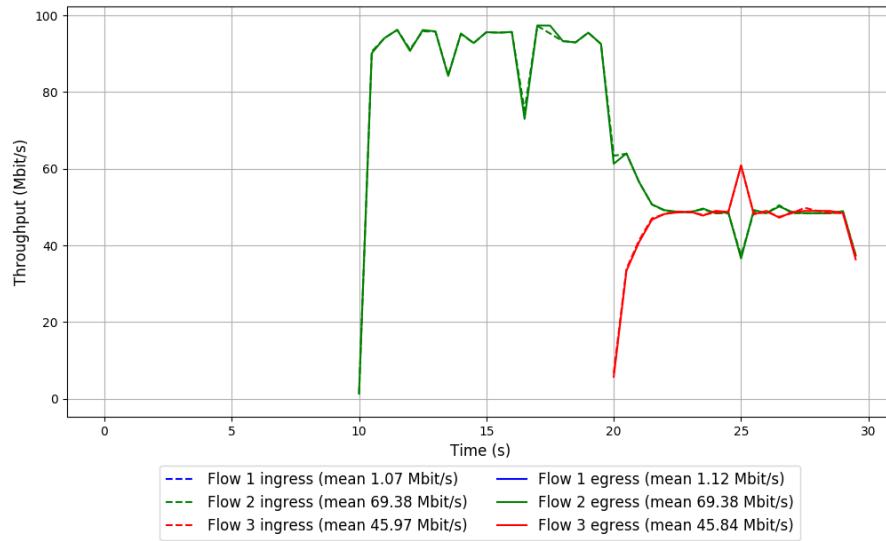


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-04-03 17:23:03
End at: 2018-04-03 17:23:33
Local clock offset: -7.181 ms
Remote clock offset: -6.664 ms

# Below is generated by plot.py at 2018-04-03 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.25 Mbit/s
95th percentile per-packet one-way delay: 24.429 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.546 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.38 Mbit/s
95th percentile per-packet one-way delay: 24.401 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.84 Mbit/s
95th percentile per-packet one-way delay: 24.467 ms
Loss rate: 0.32%
```

Run 2: Report of QUIC Cubic — Data Link

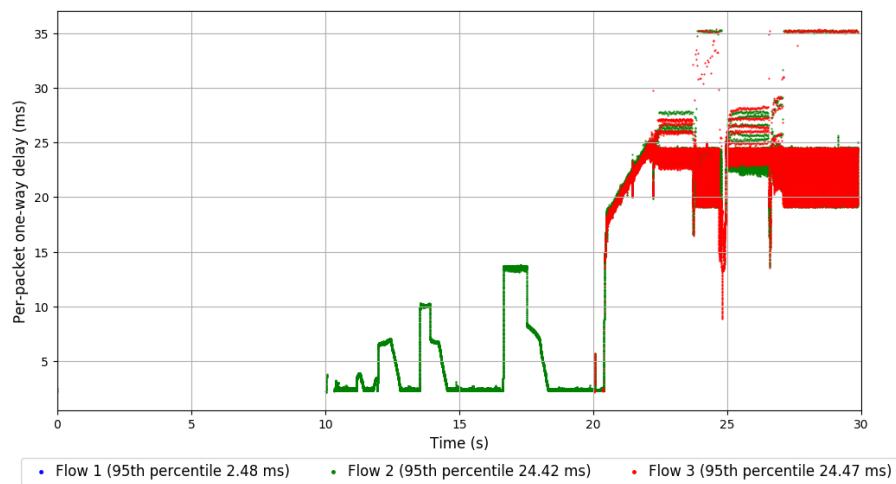
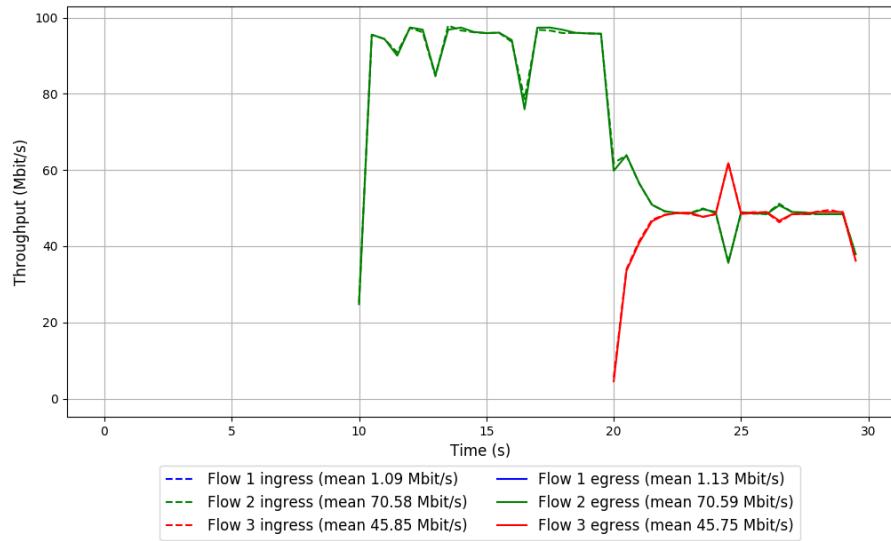


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-04-03 17:43:30
End at: 2018-04-03 17:44:00
Local clock offset: -7.347 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2018-04-03 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.03 Mbit/s
95th percentile per-packet one-way delay: 24.441 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 2.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 24.418 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.75 Mbit/s
95th percentile per-packet one-way delay: 24.472 ms
Loss rate: 0.27%
```

Run 3: Report of QUIC Cubic — Data Link

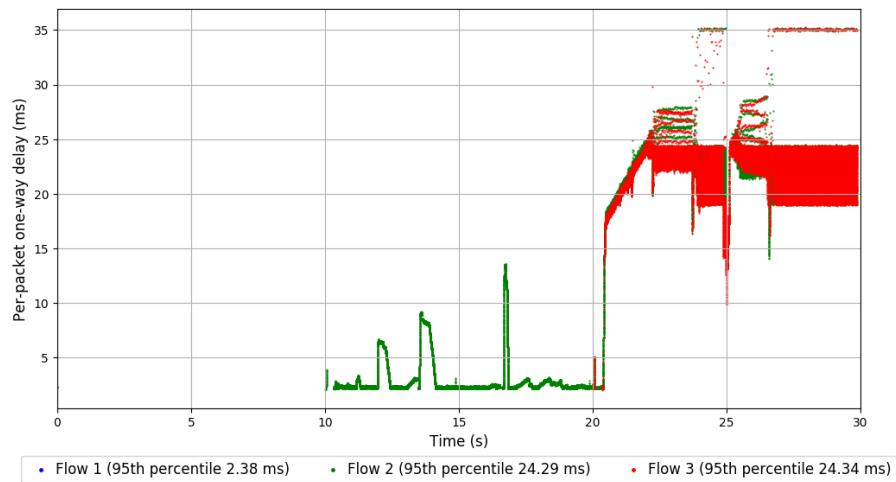
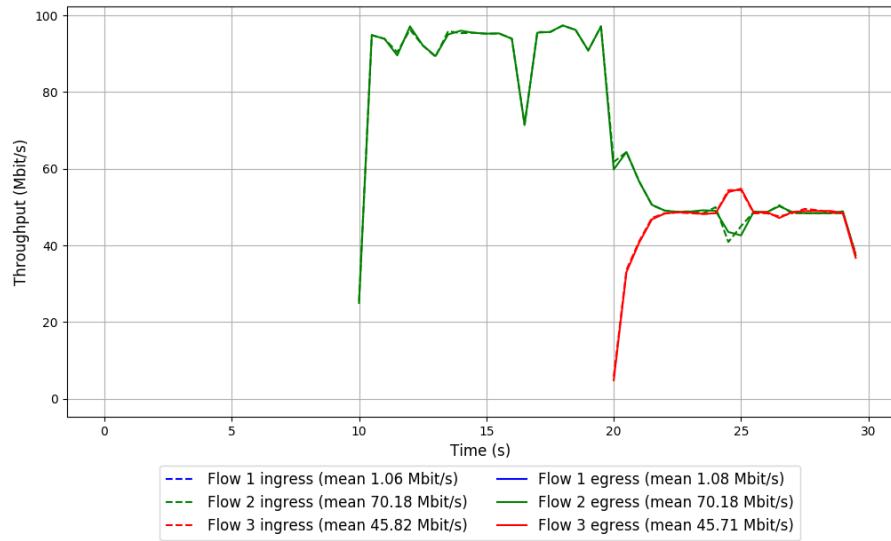


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-04-03 18:03:55
End at: 2018-04-03 18:04:25
Local clock offset: -5.845 ms
Remote clock offset: -6.789 ms

# Below is generated by plot.py at 2018-04-03 23:56:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 24.312 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.18 Mbit/s
95th percentile per-packet one-way delay: 24.290 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.71 Mbit/s
95th percentile per-packet one-way delay: 24.342 ms
Loss rate: 0.33%
```

Run 4: Report of QUIC Cubic — Data Link

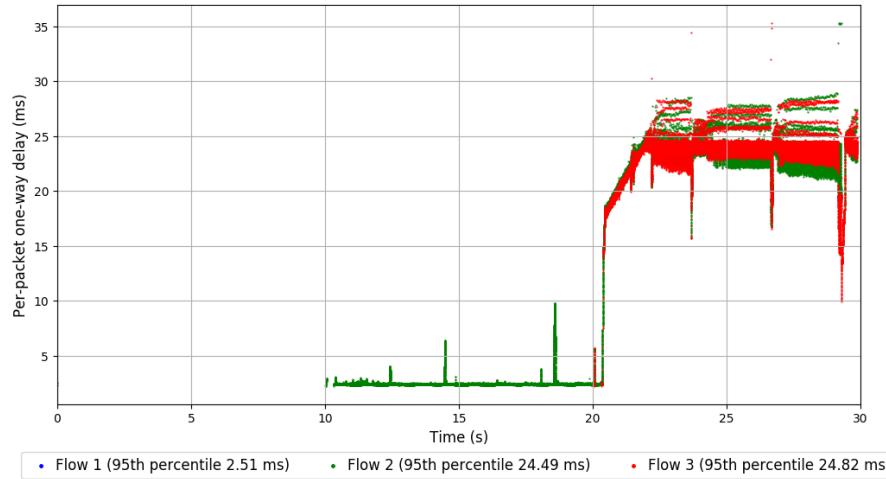
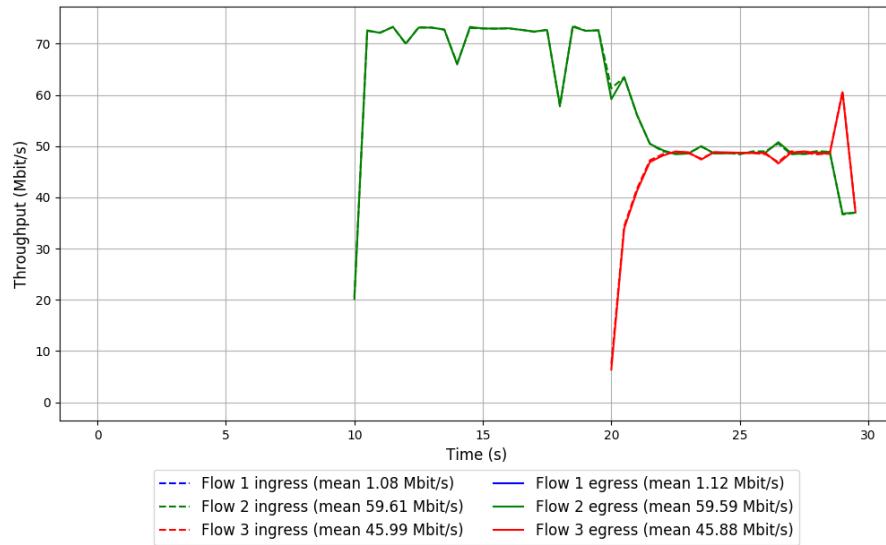


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-04-03 18:24:22
End at: 2018-04-03 18:24:52
Local clock offset: -5.485 ms
Remote clock offset: -6.919 ms

# Below is generated by plot.py at 2018-04-03 23:57:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.75 Mbit/s
95th percentile per-packet one-way delay: 24.515 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.514 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 24.489 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 24.823 ms
Loss rate: 0.27%
```

Run 5: Report of QUIC Cubic — Data Link

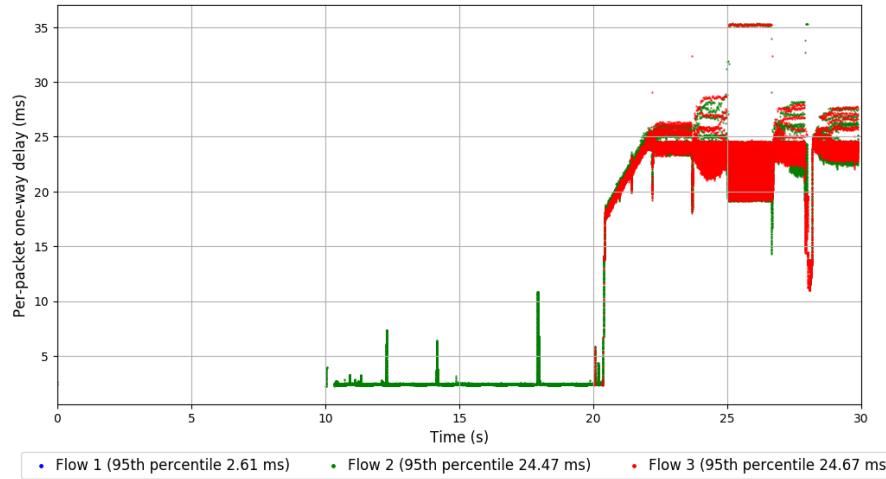
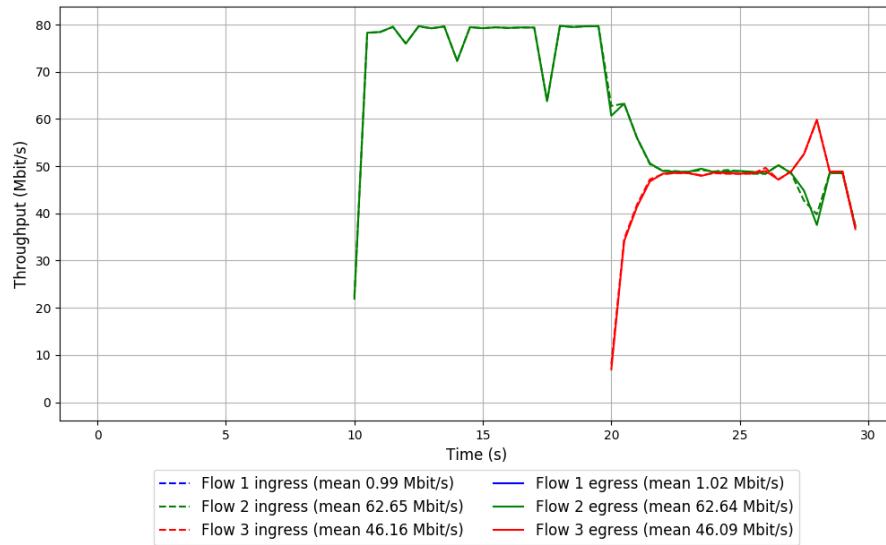


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-04-03 18:44:48
End at: 2018-04-03 18:45:18
Local clock offset: -5.845 ms
Remote clock offset: -6.468 ms

# Below is generated by plot.py at 2018-04-03 23:57:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.86 Mbit/s
95th percentile per-packet one-way delay: 24.502 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.02 Mbit/s
95th percentile per-packet one-way delay: 2.607 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 62.64 Mbit/s
95th percentile per-packet one-way delay: 24.473 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.09 Mbit/s
95th percentile per-packet one-way delay: 24.670 ms
Loss rate: 0.30%
```

Run 6: Report of QUIC Cubic — Data Link

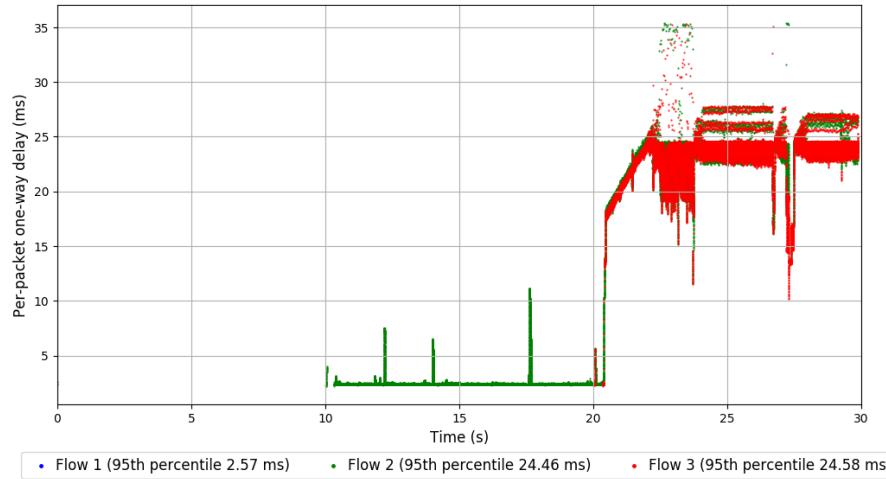
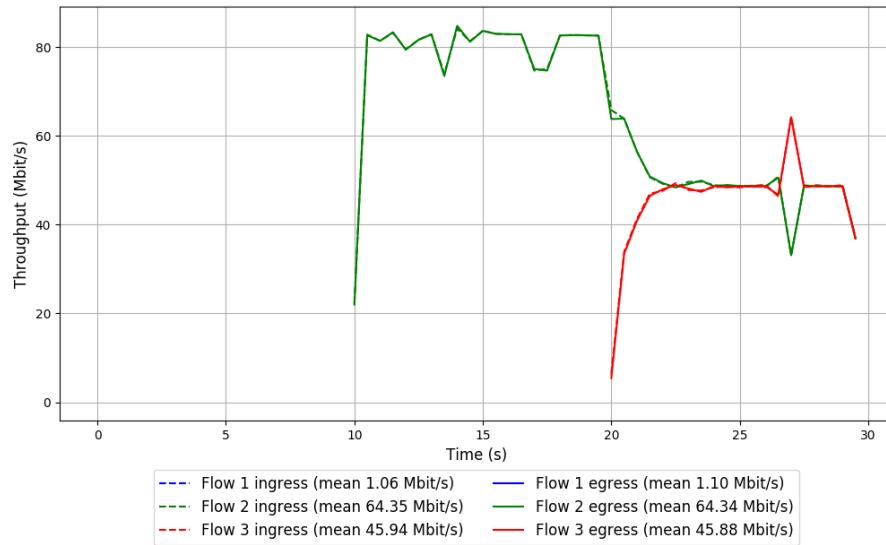


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-04-03 19:05:12
End at: 2018-04-03 19:05:42
Local clock offset: -6.551 ms
Remote clock offset: -6.501 ms

# Below is generated by plot.py at 2018-04-03 23:57:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 24.493 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.10 Mbit/s
95th percentile per-packet one-way delay: 2.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.34 Mbit/s
95th percentile per-packet one-way delay: 24.458 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 45.88 Mbit/s
95th percentile per-packet one-way delay: 24.583 ms
Loss rate: 0.29%
```

Run 7: Report of QUIC Cubic — Data Link

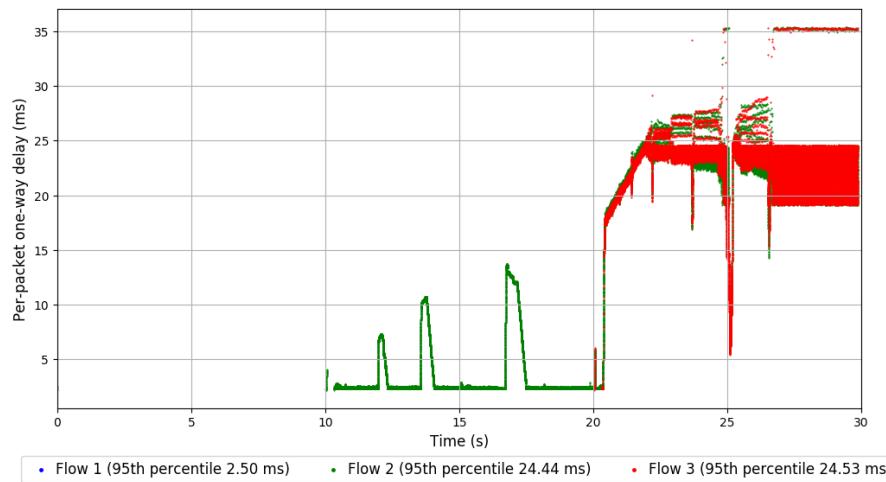
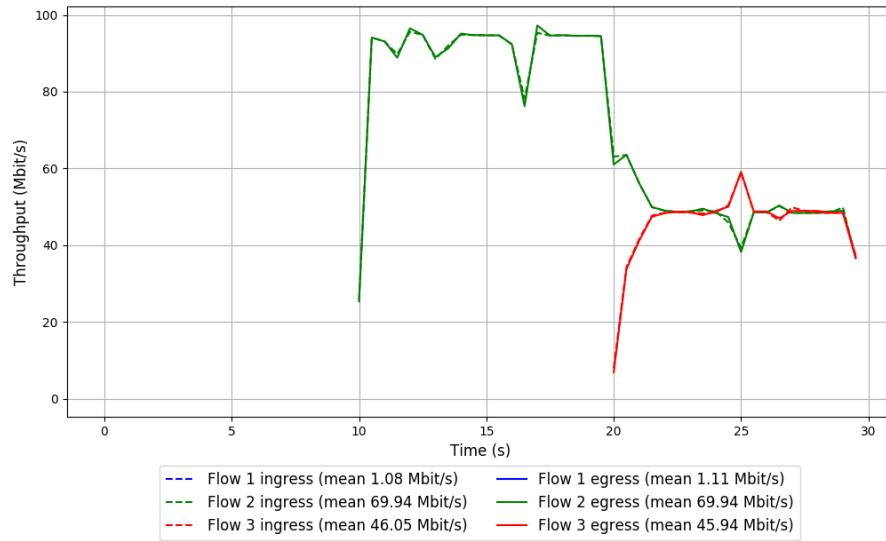


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-04-03 19:25:36
End at: 2018-04-03 19:26:06
Local clock offset: -6.916 ms
Remote clock offset: -6.872 ms

# Below is generated by plot.py at 2018-04-03 23:57:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.65 Mbit/s
95th percentile per-packet one-way delay: 24.476 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 2.496 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 24.439 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 24.528 ms
Loss rate: 0.32%
```

Run 8: Report of QUIC Cubic — Data Link

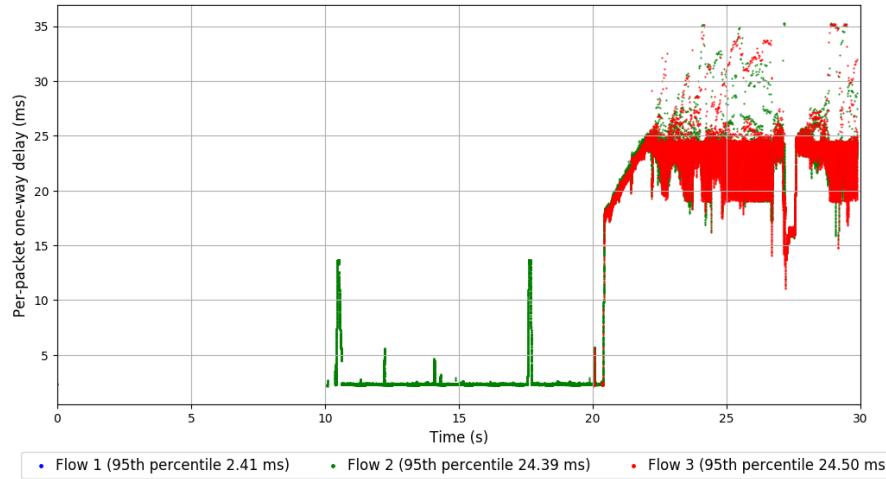
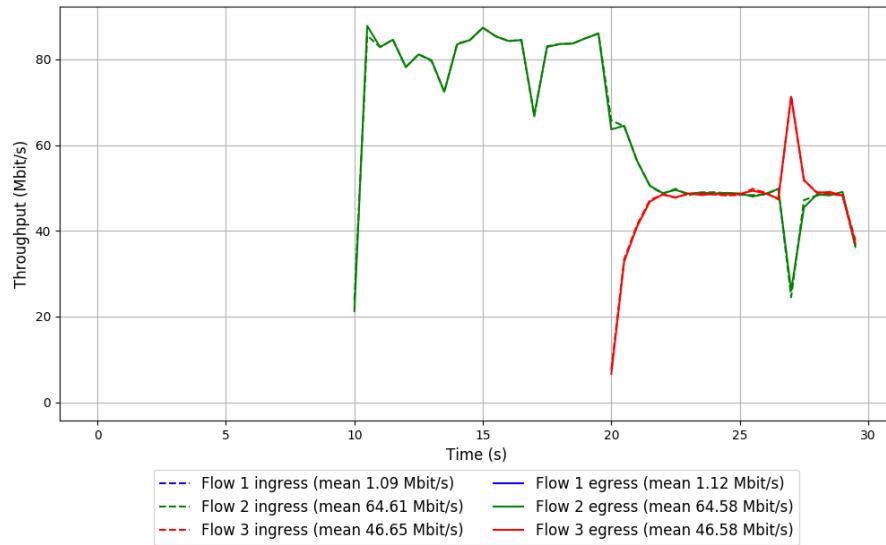


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-04-03 19:46:00
End at: 2018-04-03 19:46:30
Local clock offset: -6.741 ms
Remote clock offset: -6.949 ms

# Below is generated by plot.py at 2018-04-03 23:57:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.26 Mbit/s
95th percentile per-packet one-way delay: 24.412 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 64.58 Mbit/s
95th percentile per-packet one-way delay: 24.386 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 24.496 ms
Loss rate: 0.32%
```

Run 9: Report of QUIC Cubic — Data Link

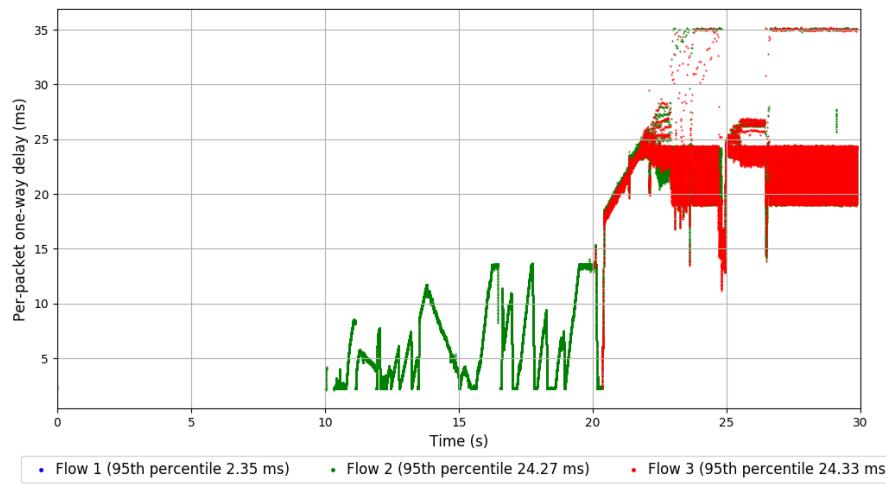
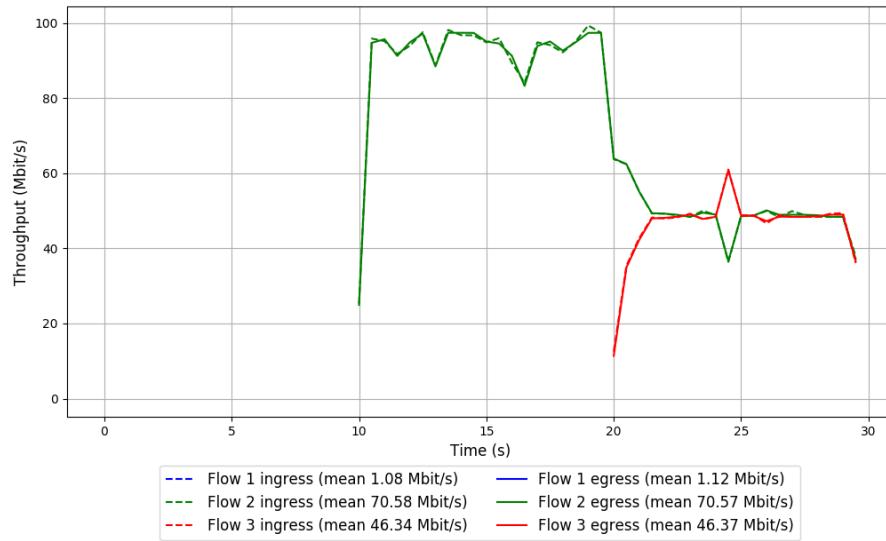


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-04-03 20:06:23
End at: 2018-04-03 20:06:53
Local clock offset: -6.516 ms
Remote clock offset: -6.991 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.20 Mbit/s
95th percentile per-packet one-way delay: 24.298 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 1.12 Mbit/s
95th percentile per-packet one-way delay: 2.349 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 70.57 Mbit/s
95th percentile per-packet one-way delay: 24.269 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 24.334 ms
Loss rate: 0.24%
```

Run 10: Report of QUIC Cubic — Data Link

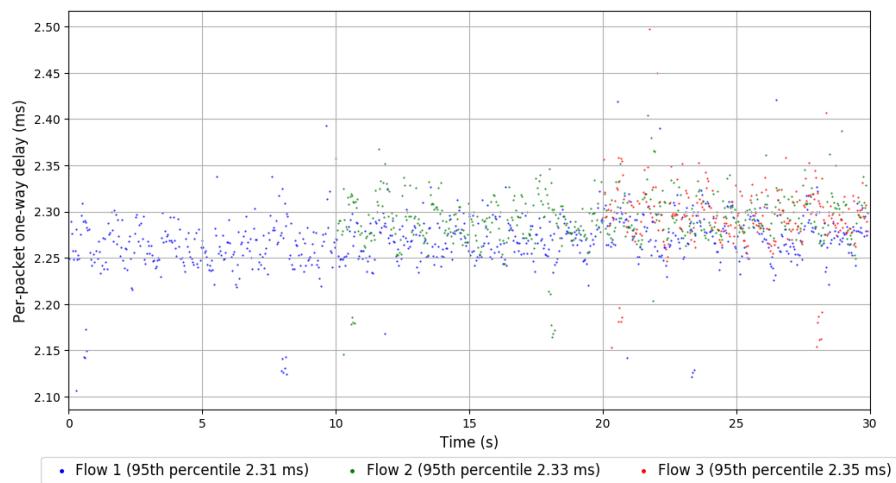
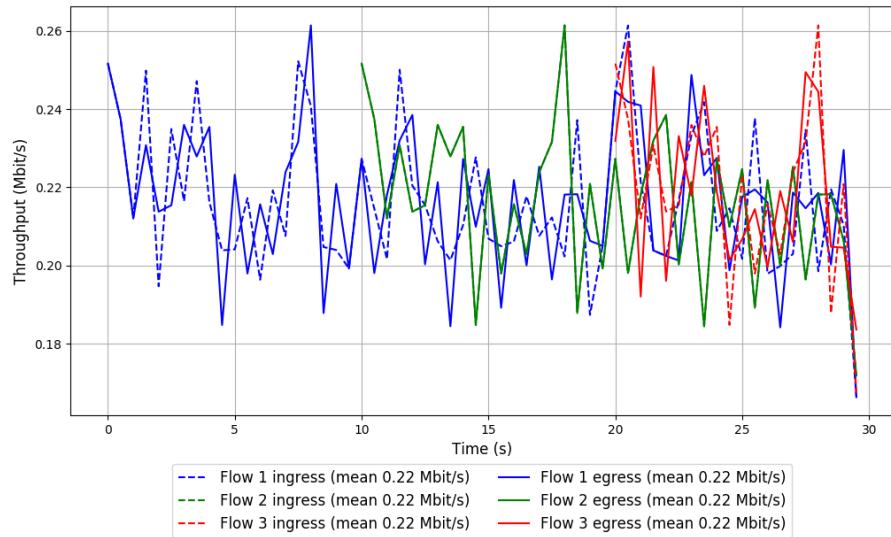


Run 1: Statistics of SCReAM

```
Start at: 2018-04-03 17:15:08
End at: 2018-04-03 17:15:38
Local clock offset: -7.071 ms
Remote clock offset: -6.605 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.307 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.332 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.345 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

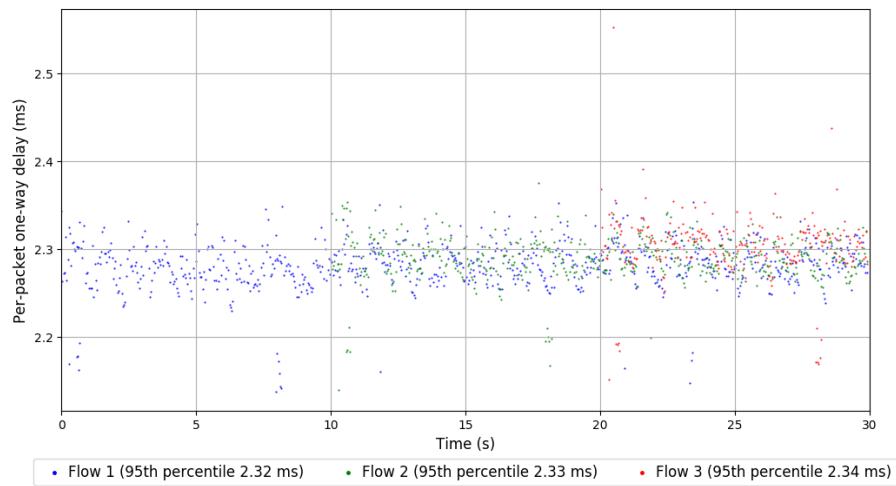
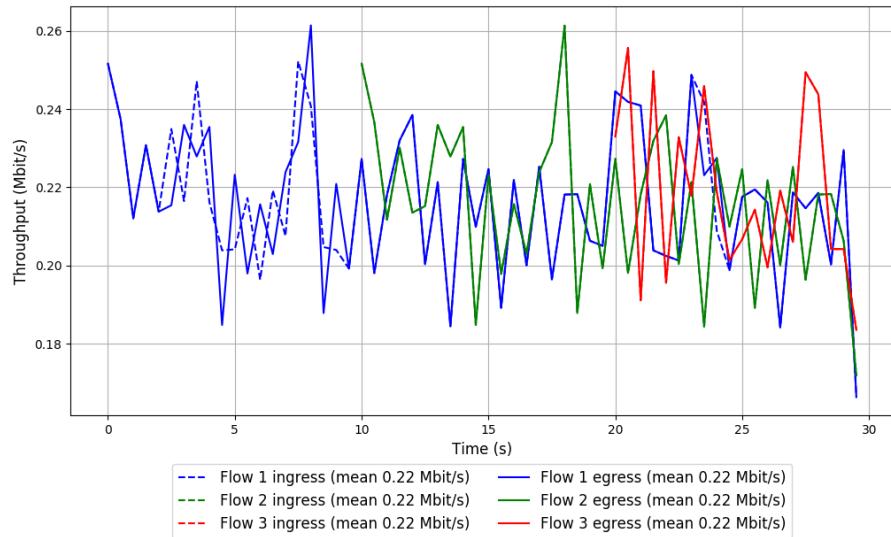


Run 2: Statistics of SCReAM

```
Start at: 2018-04-03 17:35:33
End at: 2018-04-03 17:36:03
Local clock offset: -7.352 ms
Remote clock offset: -6.678 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.321 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.329 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.341 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

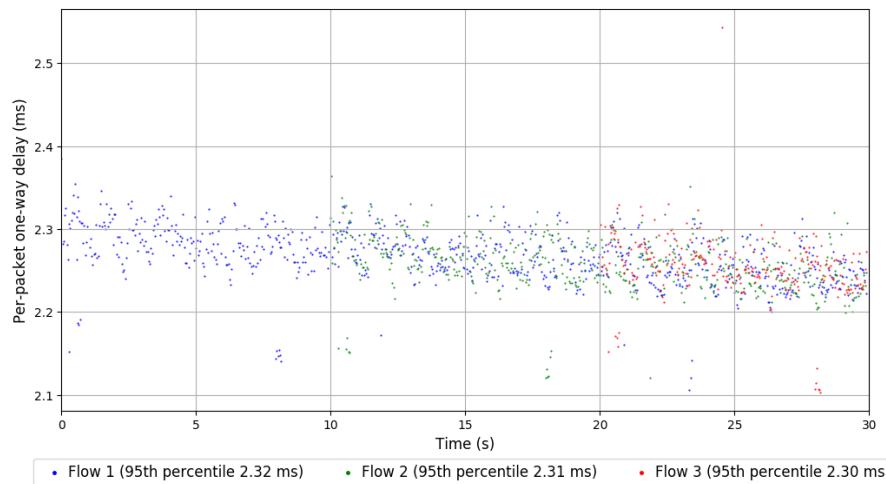
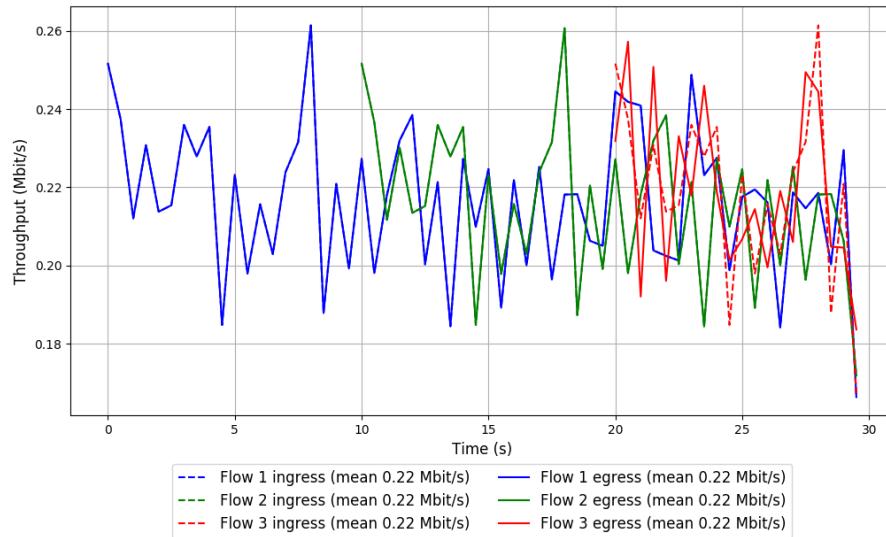


Run 3: Statistics of SCReAM

```
Start at: 2018-04-03 17:56:00
End at: 2018-04-03 17:56:30
Local clock offset: -6.259 ms
Remote clock offset: -6.616 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.308 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

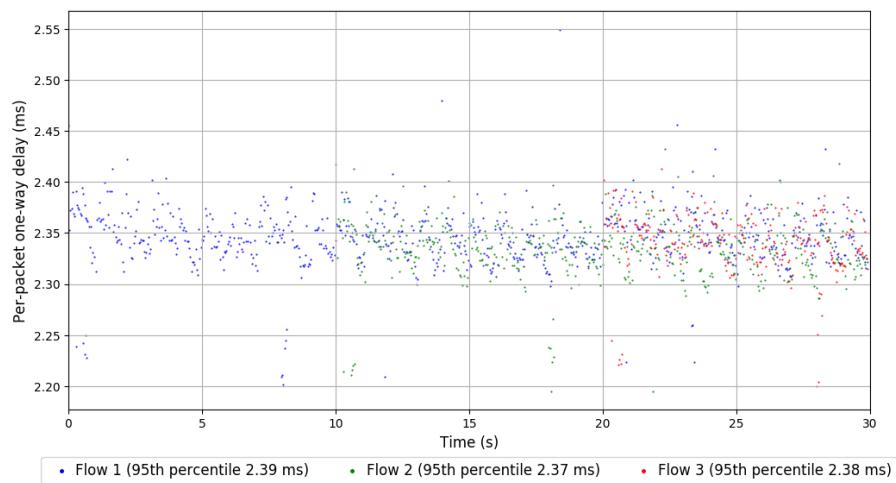
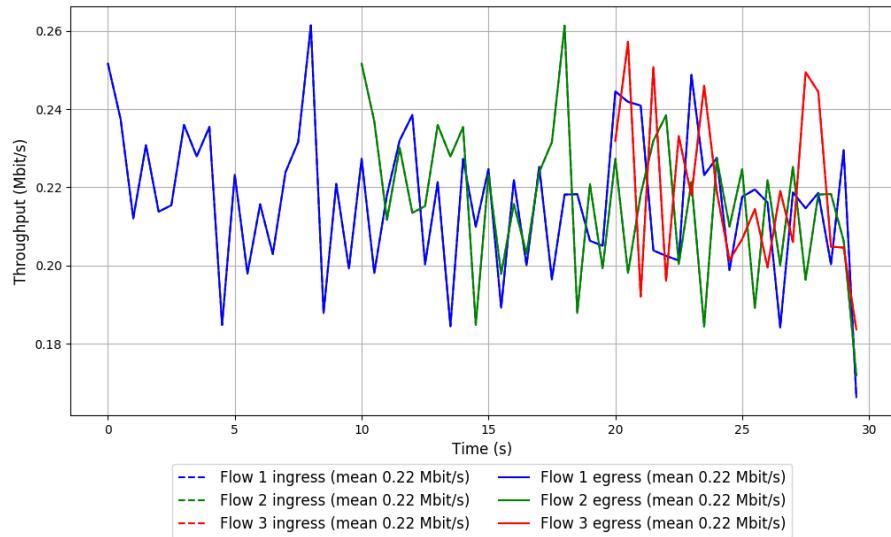


Run 4: Statistics of SCReAM

```
Start at: 2018-04-03 18:16:25
End at: 2018-04-03 18:16:55
Local clock offset: -5.294 ms
Remote clock offset: -6.883 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.372 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

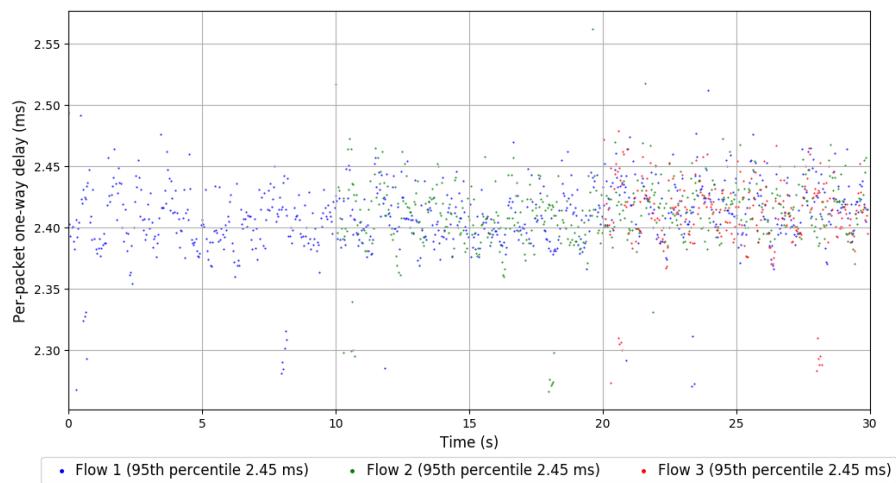
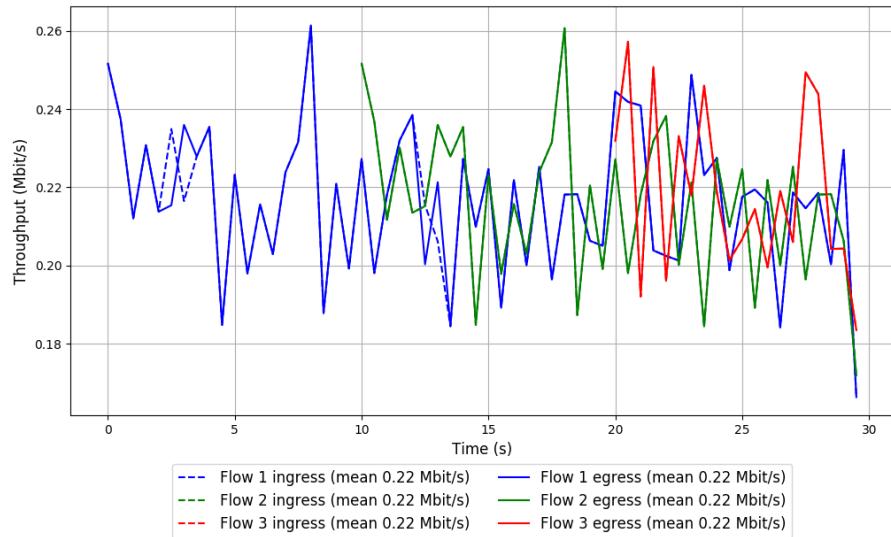


Run 5: Statistics of SCReAM

```
Start at: 2018-04-03 18:36:52
End at: 2018-04-03 18:37:22
Local clock offset: -5.839 ms
Remote clock offset: -6.637 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.452 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.454 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

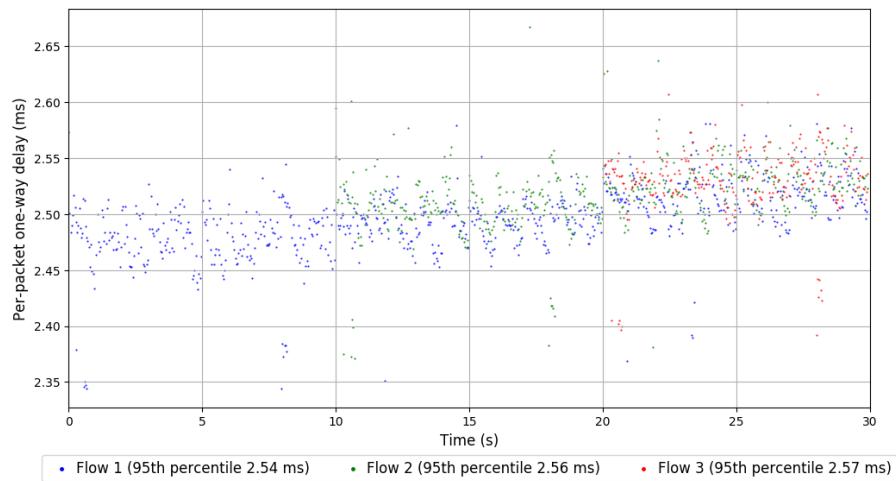
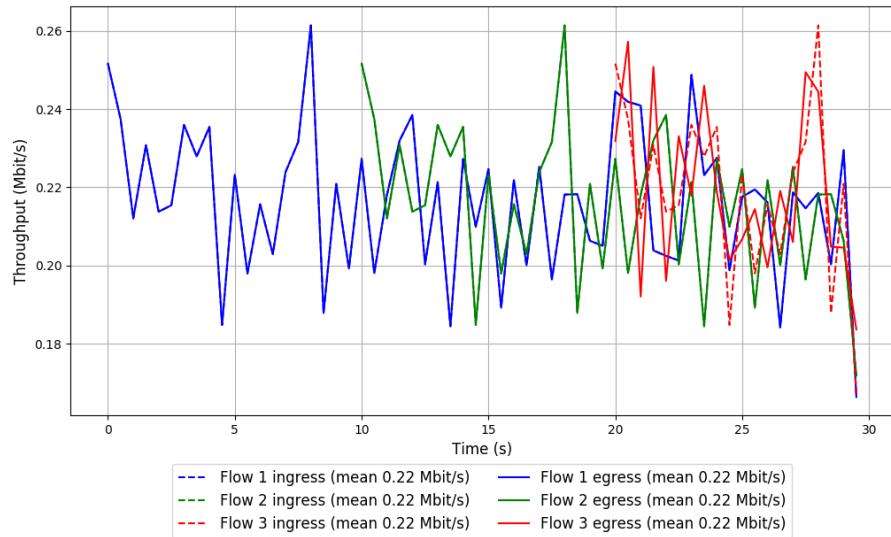


Run 6: Statistics of SCReAM

```
Start at: 2018-04-03 18:57:17
End at: 2018-04-03 18:57:47
Local clock offset: -5.981 ms
Remote clock offset: -6.394 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.541 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.559 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.568 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

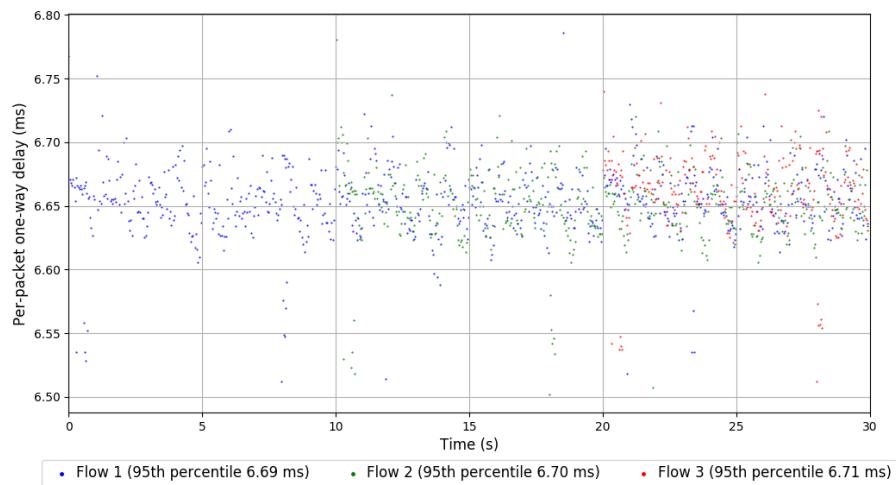
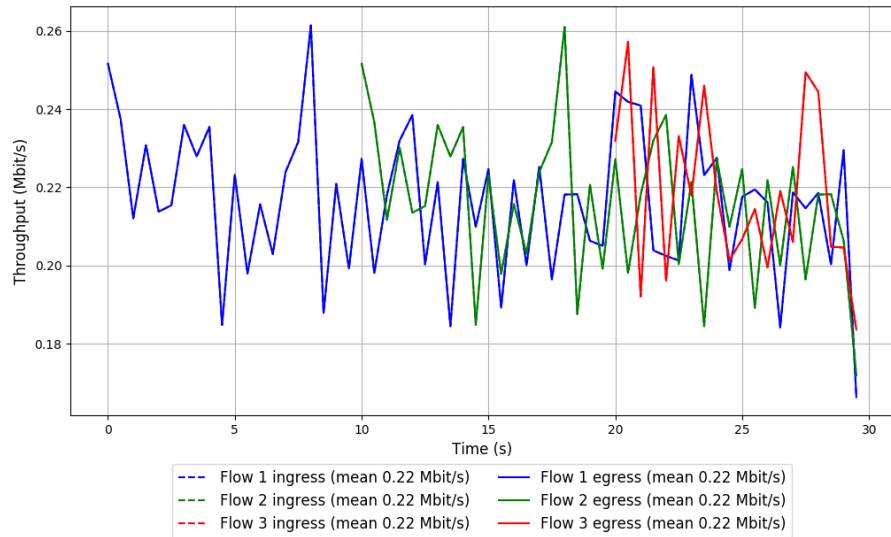


Run 7: Statistics of SCReAM

```
Start at: 2018-04-03 19:17:41
End at: 2018-04-03 19:18:11
Local clock offset: -6.833 ms
Remote clock offset: -11.088 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 6.697 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.694 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.697 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.705 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

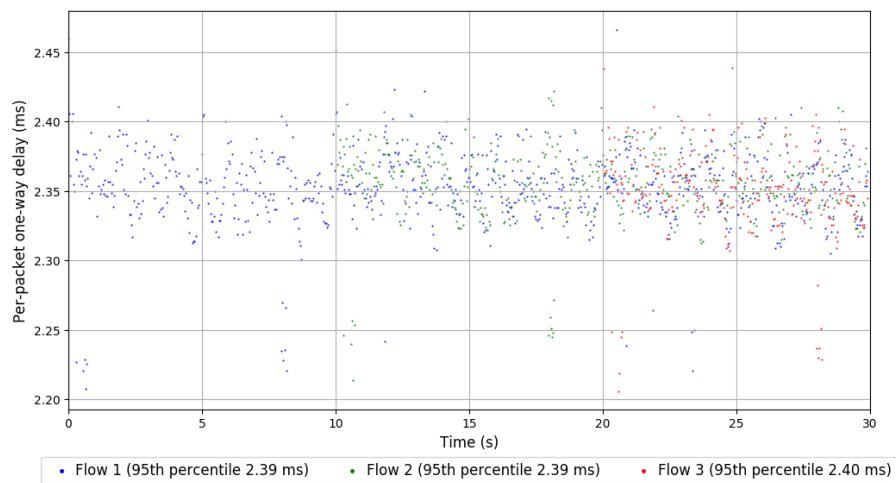
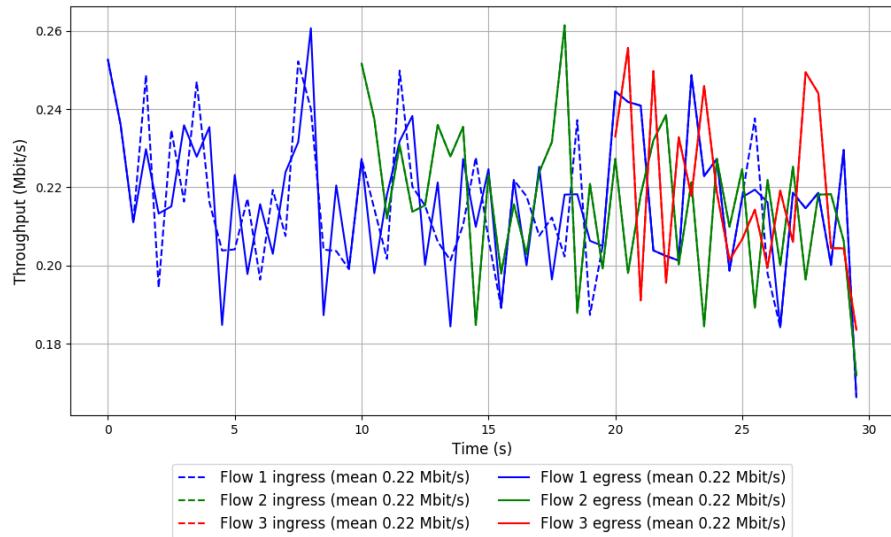


Run 8: Statistics of SCReAM

```
Start at: 2018-04-03 19:38:06
End at: 2018-04-03 19:38:36
Local clock offset: -6.719 ms
Remote clock offset: -6.915 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.393 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.391 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.394 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.396 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

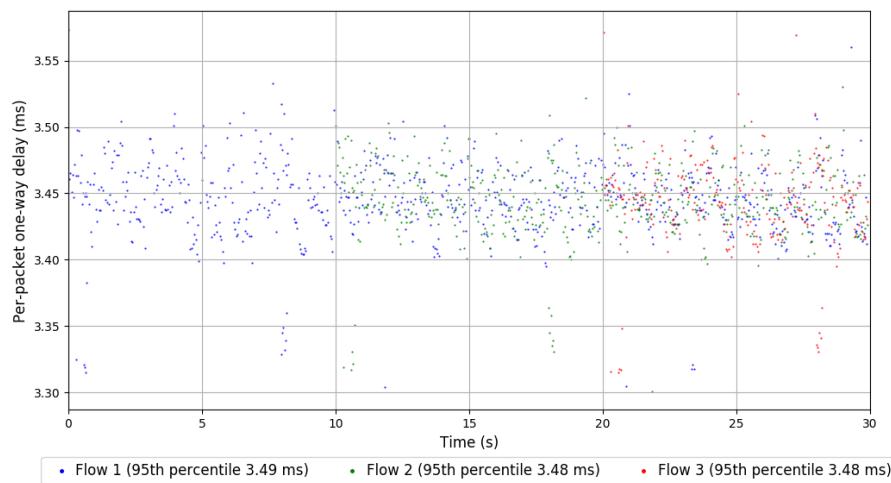
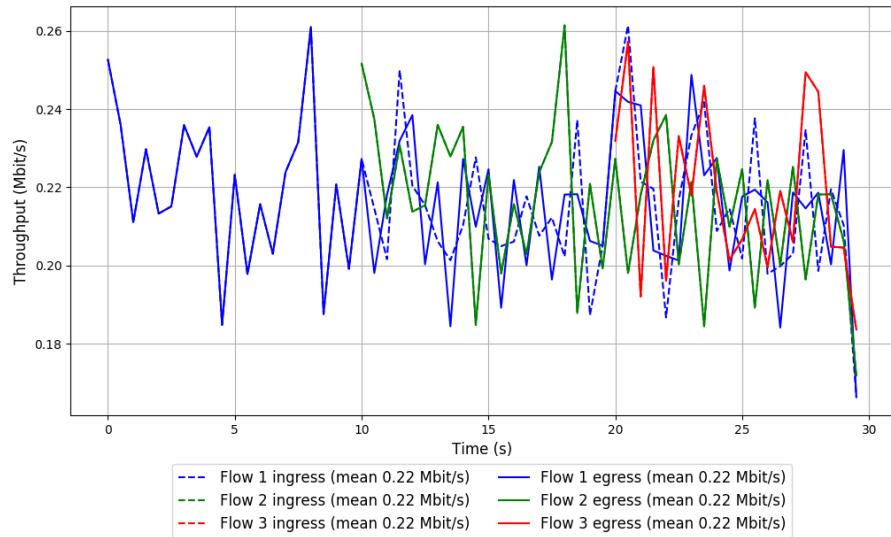


Run 9: Statistics of SCReAM

```
Start at: 2018-04-03 19:58:29
End at: 2018-04-03 19:58:59
Local clock offset: -6.666 ms
Remote clock offset: -8.096 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 3.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.490 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.485 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.485 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

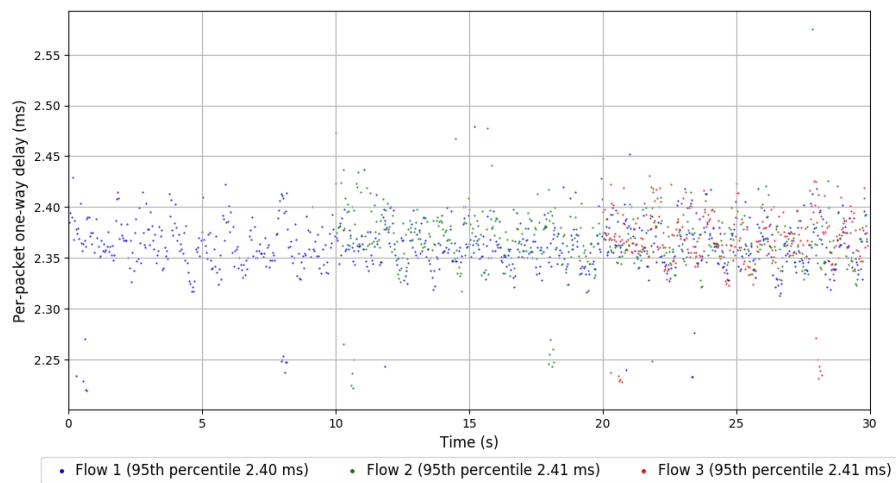
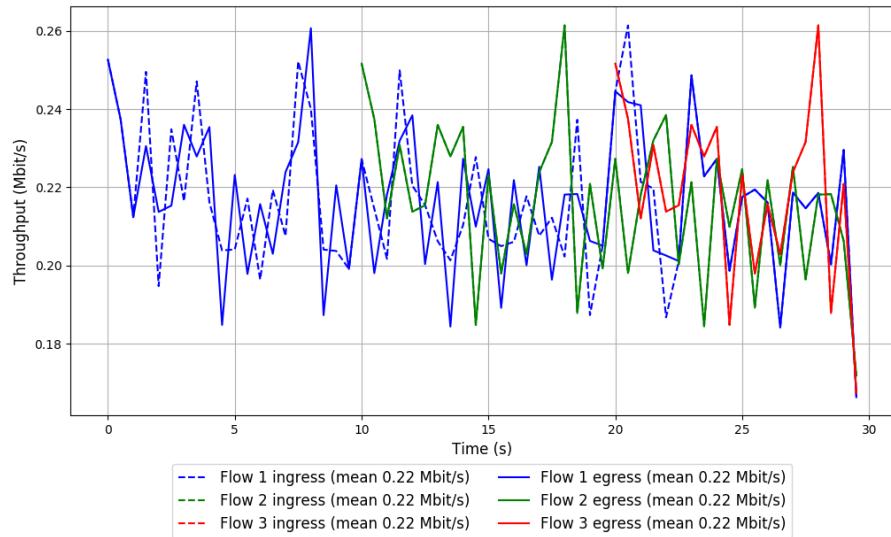


Run 10: Statistics of SCReAM

```
Start at: 2018-04-03 20:18:53
End at: 2018-04-03 20:19:23
Local clock offset: -5.934 ms
Remote clock offset: -6.94 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.410 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

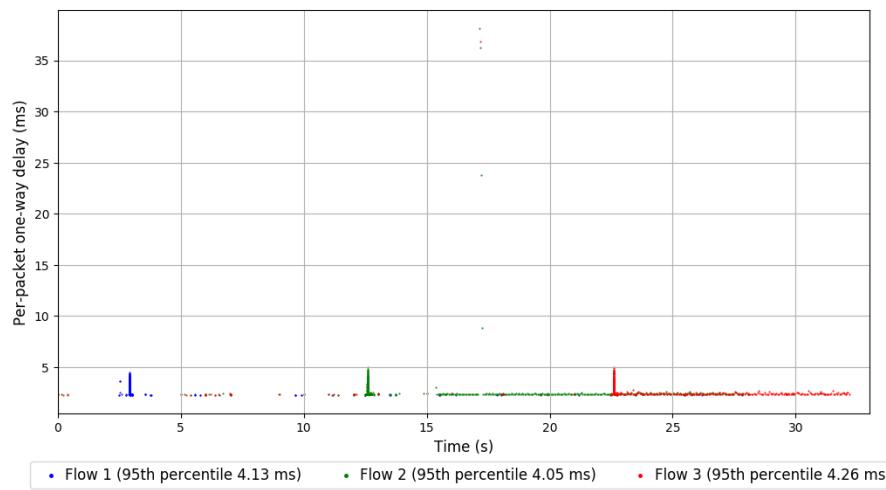
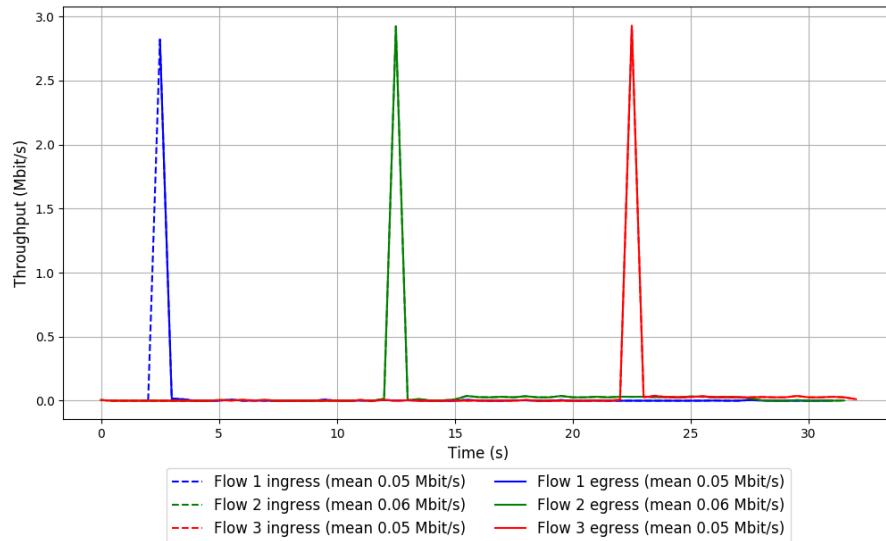


```
Run 1: Statistics of WebRTC media

Start at: 2018-04-03 17:11:46
End at: 2018-04-03 17:12:16
Local clock offset: -6.93 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 4.138 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.132 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.051 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.259 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

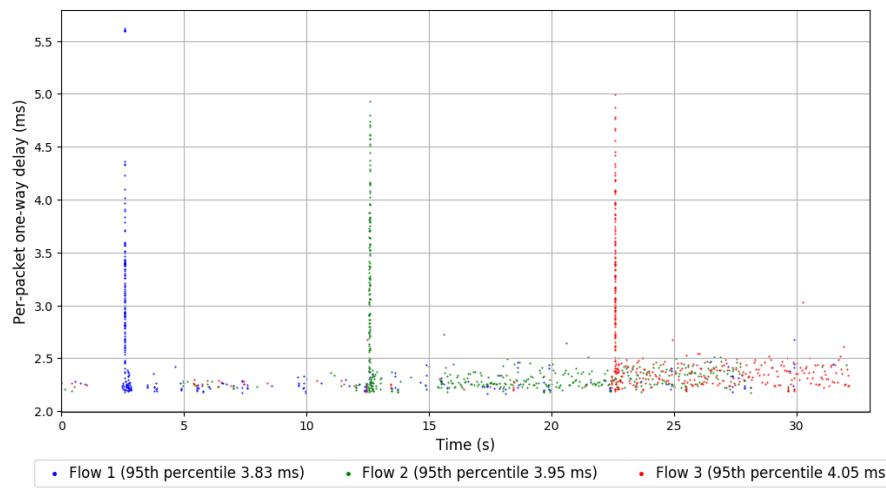
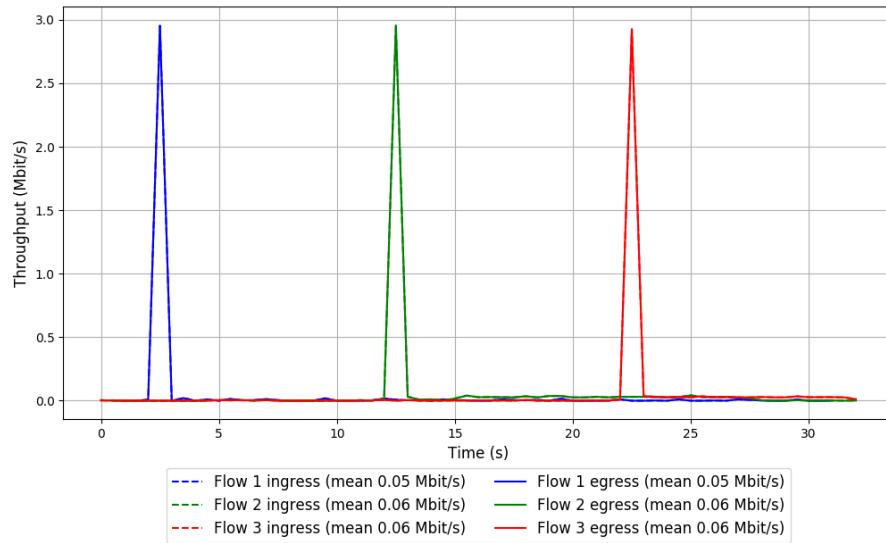


Run 2: Statistics of WebRTC media

```
Start at: 2018-04-03 17:32:12
End at: 2018-04-03 17:32:42
Local clock offset: -7.275 ms
Remote clock offset: -6.692 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 3.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.835 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.949 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.055 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

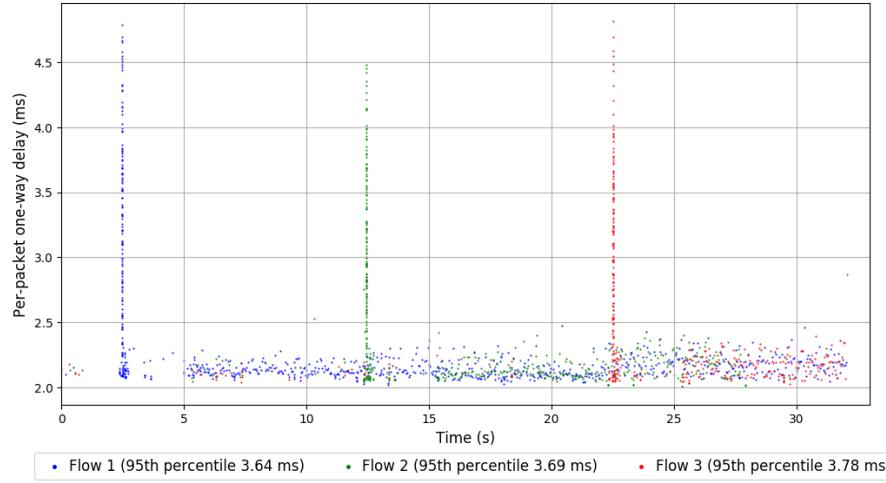
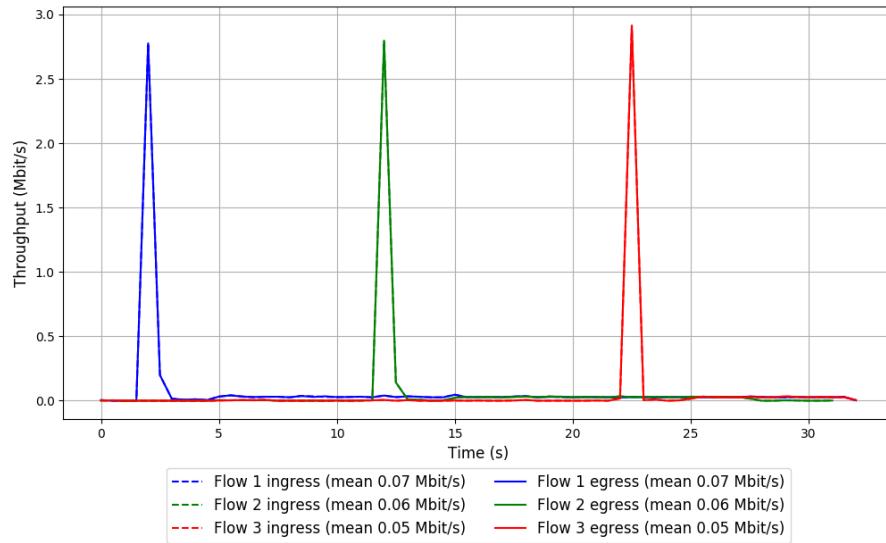


Run 3: Statistics of WebRTC media

```
Start at: 2018-04-03 17:52:39
End at: 2018-04-03 17:53:09
Local clock offset: -6.653 ms
Remote clock offset: -6.518 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.693 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.641 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.688 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.778 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

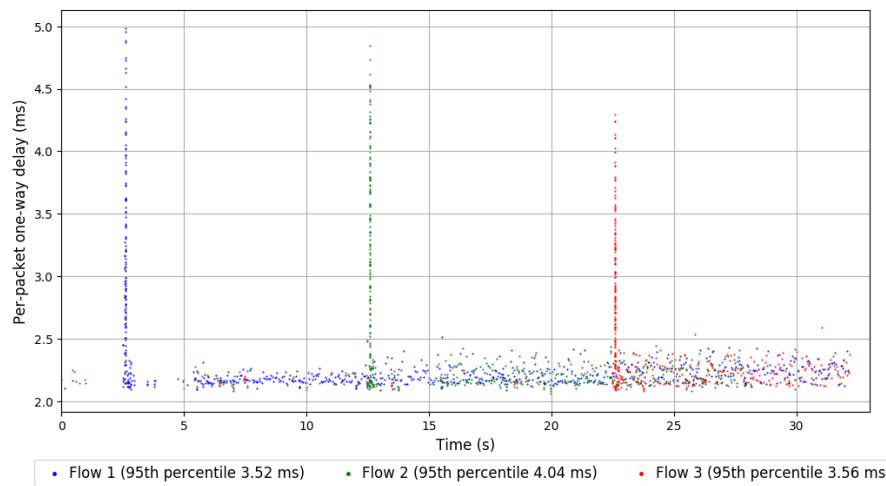
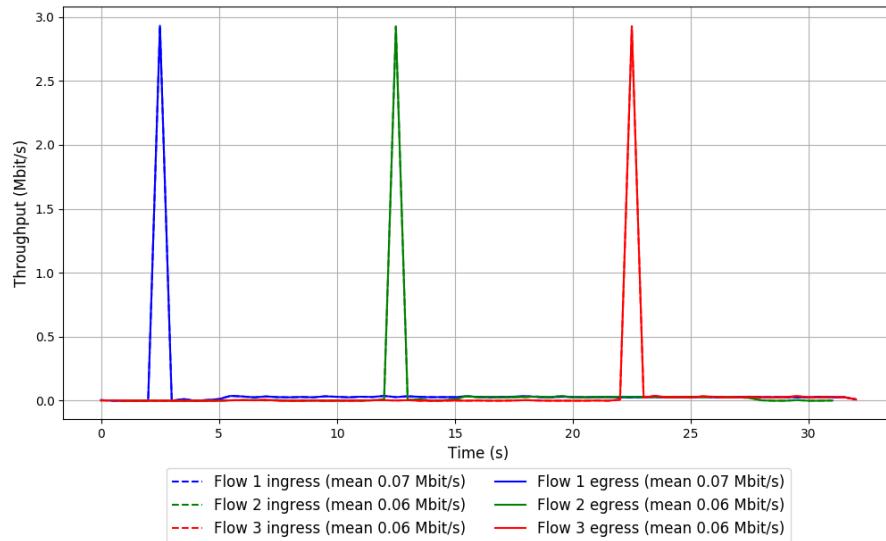


Run 4: Statistics of WebRTC media

```
Start at: 2018-04-03 18:13:03
End at: 2018-04-03 18:13:33
Local clock offset: -5.473 ms
Remote clock offset: -6.86 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.516 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 4.041 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.560 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

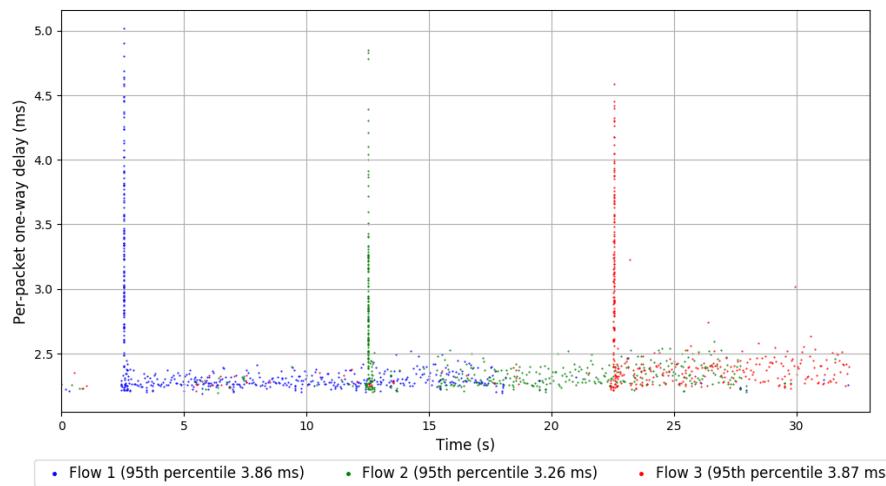
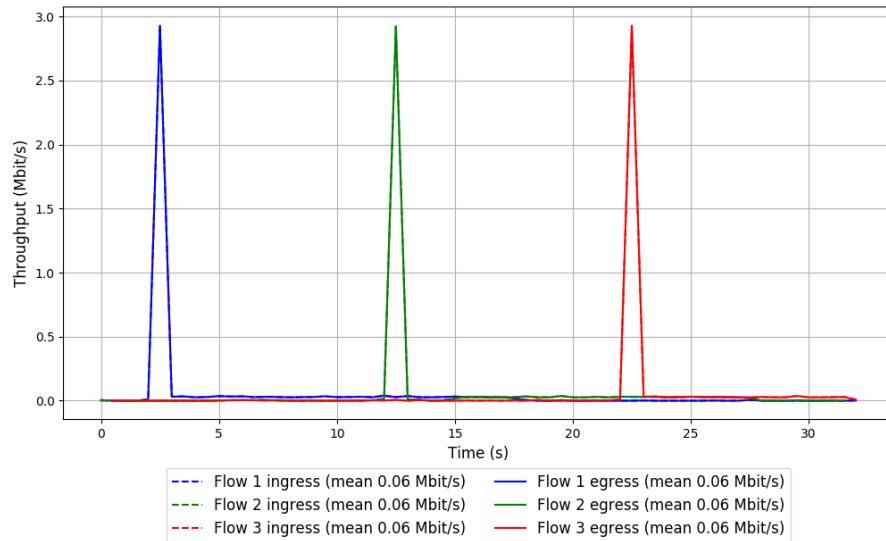


Run 5: Statistics of WebRTC media

```
Start at: 2018-04-03 18:33:30
End at: 2018-04-03 18:34:00
Local clock offset: -5.786 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.734 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.872 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

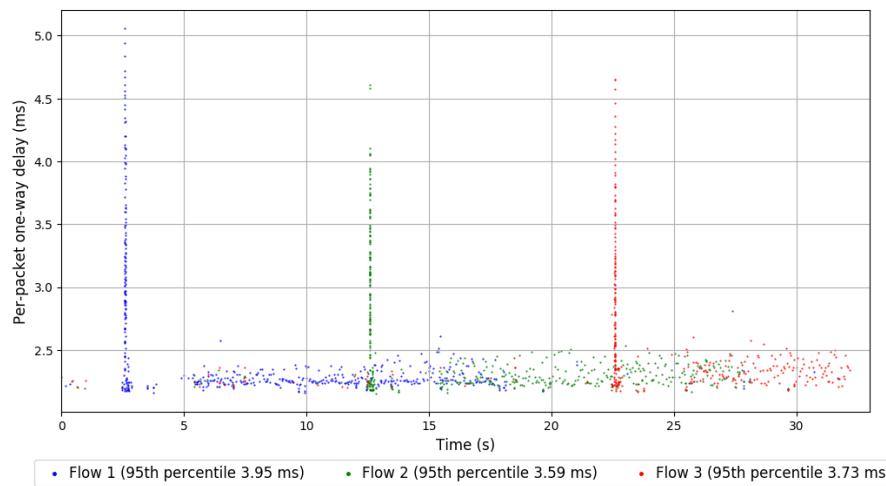
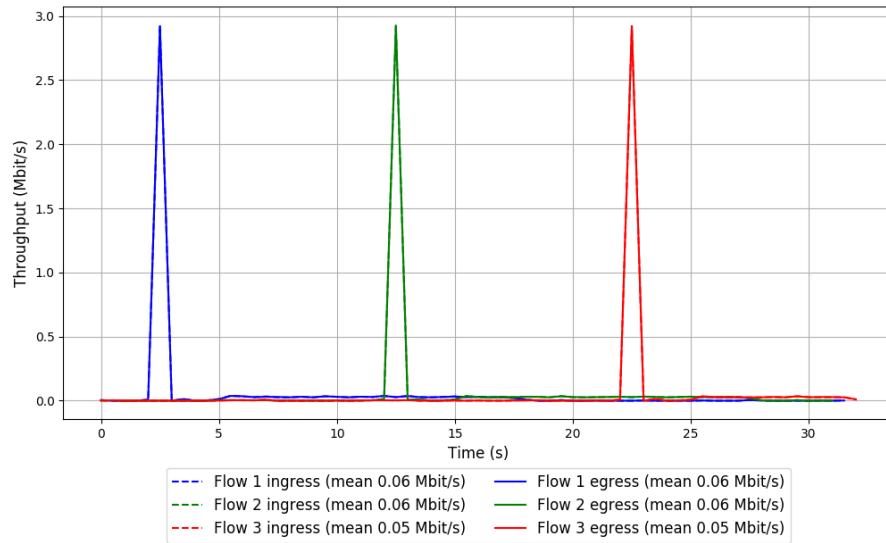


Run 6: Statistics of WebRTC media

```
Start at: 2018-04-03 18:53:55
End at: 2018-04-03 18:54:25
Local clock offset: -5.776 ms
Remote clock offset: -6.316 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.947 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.591 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.729 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

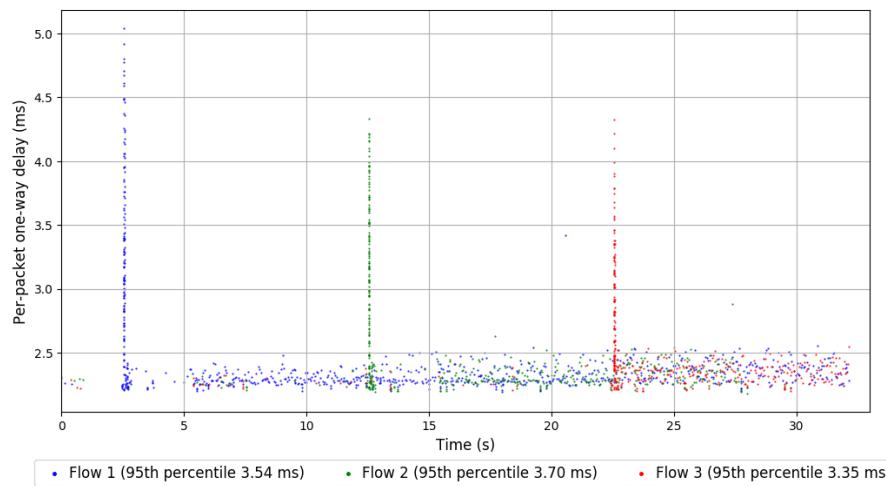
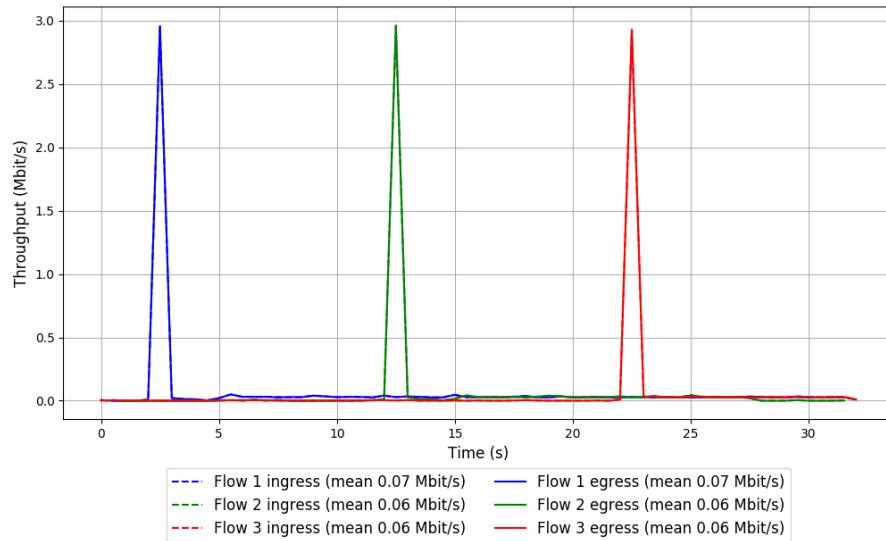


Run 7: Statistics of WebRTC media

```
Start at: 2018-04-03 19:14:20
End at: 2018-04-03 19:14:50
Local clock offset: -6.785 ms
Remote clock offset: -6.745 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 3.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.542 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.351 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

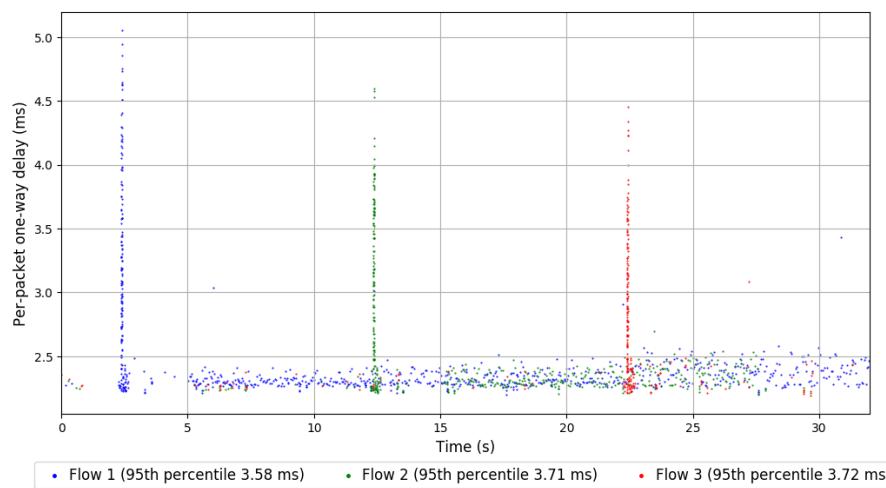
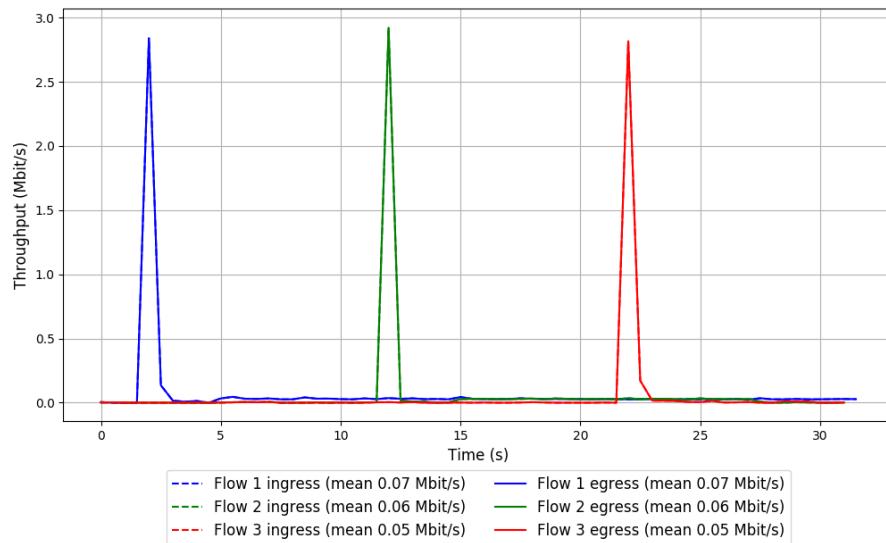


Run 8: Statistics of WebRTC media

```
Start at: 2018-04-03 19:34:44
End at: 2018-04-03 19:35:14
Local clock offset: -6.772 ms
Remote clock offset: -6.917 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.582 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.714 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.719 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

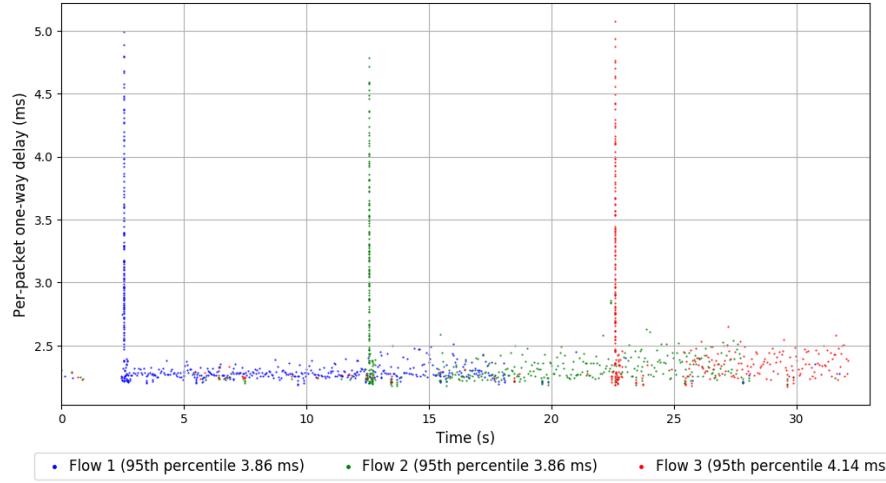
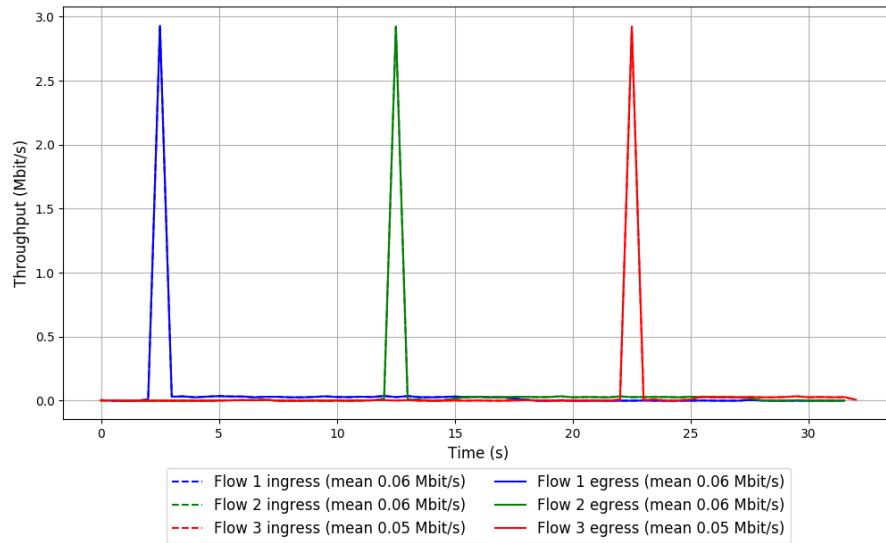


Run 9: Statistics of WebRTC media

```
Start at: 2018-04-03 19:55:07
End at: 2018-04-03 19:55:37
Local clock offset: -6.631 ms
Remote clock offset: -6.958 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 3.983 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.863 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.856 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.144 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

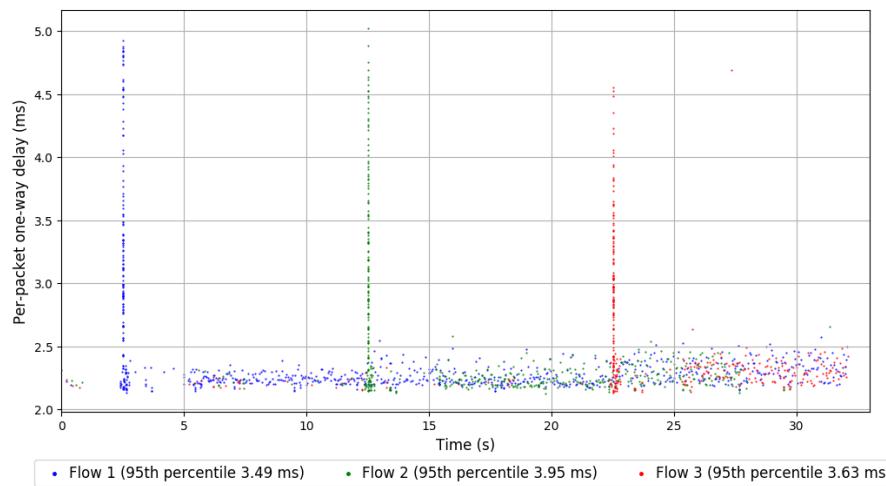
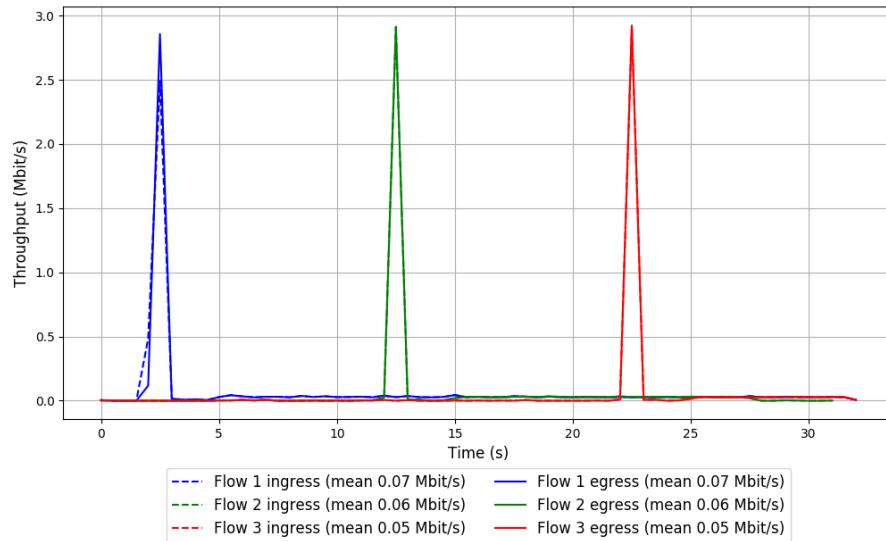


Run 10: Statistics of WebRTC media

```
Start at: 2018-04-03 20:15:31
End at: 2018-04-03 20:16:01
Local clock offset: -6.024 ms
Remote clock offset: -6.911 ms

# Below is generated by plot.py at 2018-04-03 23:58:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 3.730 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 3.493 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 3.952 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.628 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

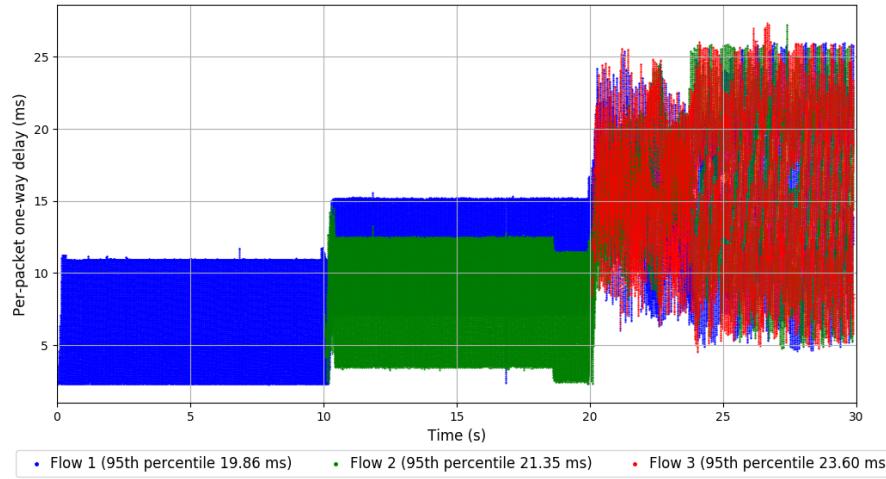
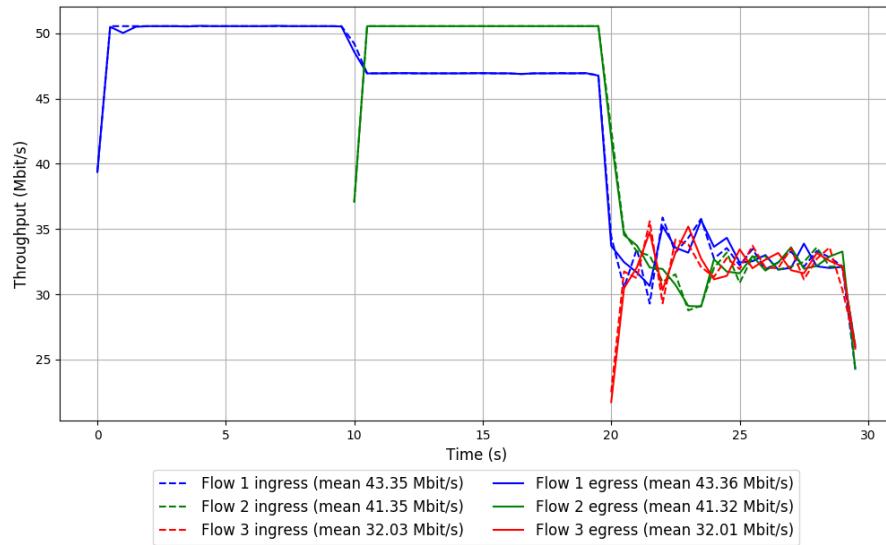


Run 1: Statistics of Sprout

```
Start at: 2018-04-03 17:18:32
End at: 2018-04-03 17:19:02
Local clock offset: -7.15 ms
Remote clock offset: -6.562 ms

# Below is generated by plot.py at 2018-04-03 23:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.39 Mbit/s
95th percentile per-packet one-way delay: 21.442 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 43.36 Mbit/s
95th percentile per-packet one-way delay: 19.859 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 21.351 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 32.01 Mbit/s
95th percentile per-packet one-way delay: 23.596 ms
Loss rate: 0.05%
```

Run 1: Report of Sprout — Data Link

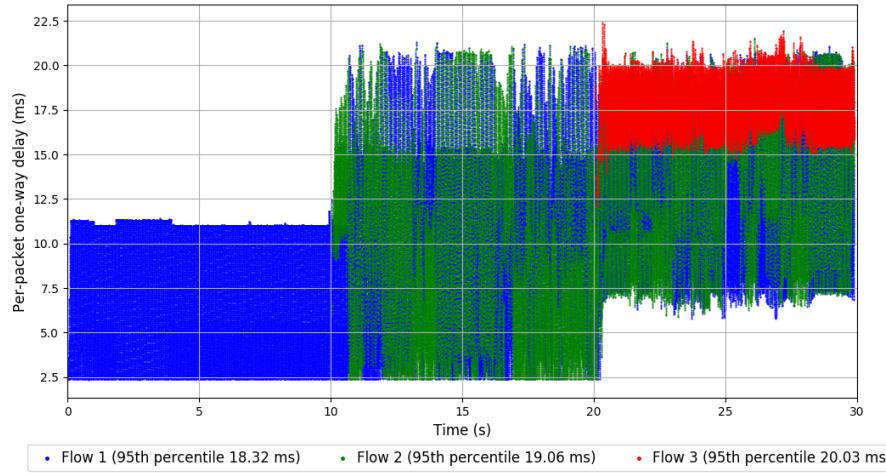
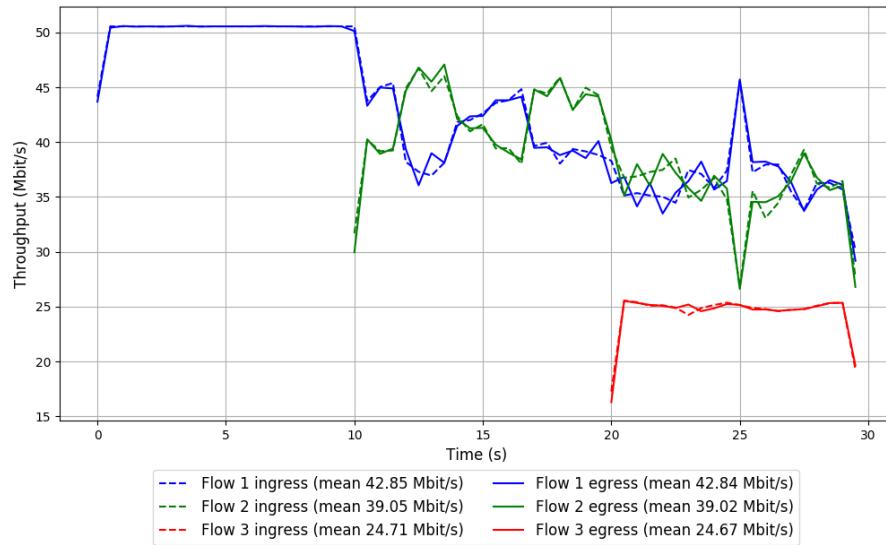


Run 2: Statistics of Sprout

```
Start at: 2018-04-03 17:38:57
End at: 2018-04-03 17:39:27
Local clock offset: -7.3 ms
Remote clock offset: -6.638 ms

# Below is generated by plot.py at 2018-04-03 23:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.91 Mbit/s
95th percentile per-packet one-way delay: 19.207 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 18.319 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 39.02 Mbit/s
95th percentile per-packet one-way delay: 19.061 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 20.033 ms
Loss rate: 0.14%
```

Run 2: Report of Sprout — Data Link

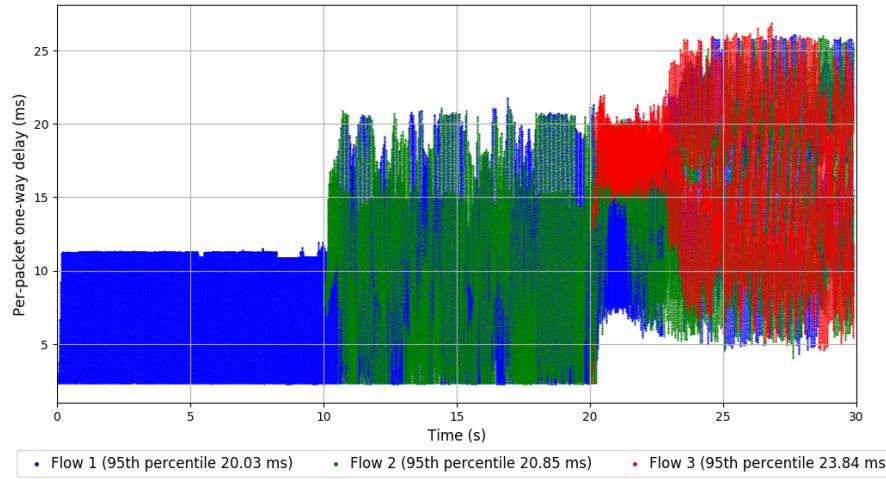
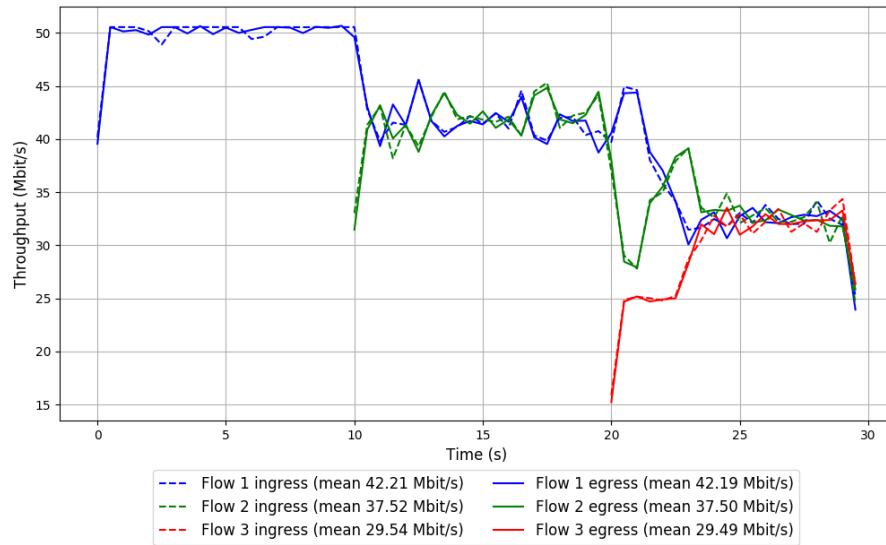


Run 3: Statistics of Sprout

```
Start at: 2018-04-03 17:59:24
End at: 2018-04-03 17:59:54
Local clock offset: -6.004 ms
Remote clock offset: -6.721 ms

# Below is generated by plot.py at 2018-04-03 23:58:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 21.330 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.19 Mbit/s
95th percentile per-packet one-way delay: 20.026 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 20.854 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 23.841 ms
Loss rate: 0.34%
```

Run 3: Report of Sprout — Data Link

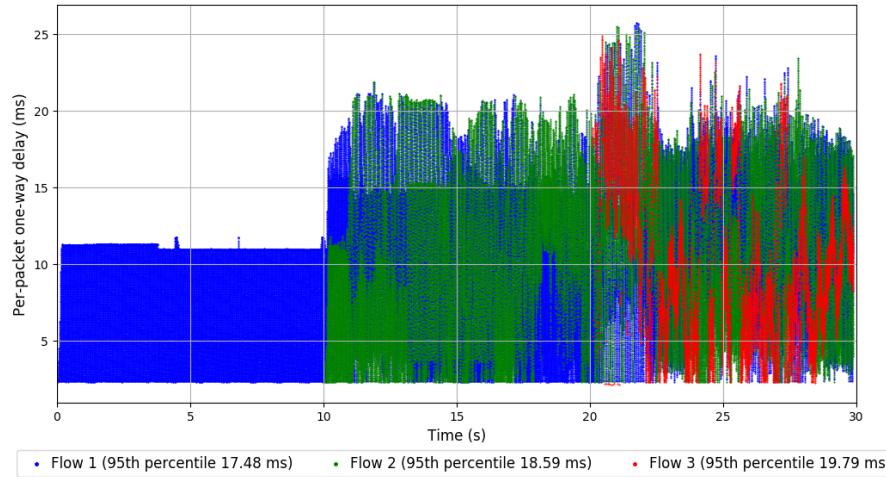
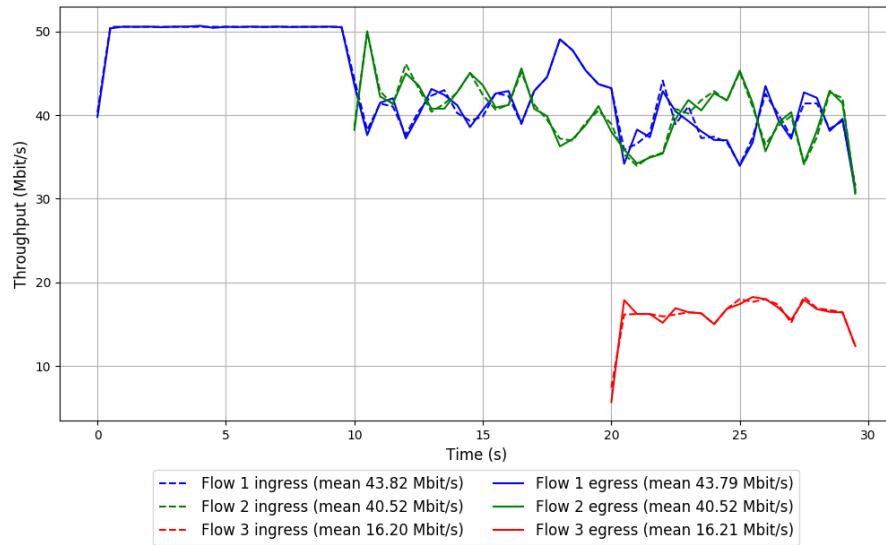


Run 4: Statistics of Sprout

```
Start at: 2018-04-03 18:19:48
End at: 2018-04-03 18:20:18
Local clock offset: -5.223 ms
Remote clock offset: -6.886 ms

# Below is generated by plot.py at 2018-04-03 23:58:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.04 Mbit/s
95th percentile per-packet one-way delay: 18.130 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 17.476 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 40.52 Mbit/s
95th percentile per-packet one-way delay: 18.589 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 16.21 Mbit/s
95th percentile per-packet one-way delay: 19.788 ms
Loss rate: 0.19%
```

Run 4: Report of Sprout — Data Link

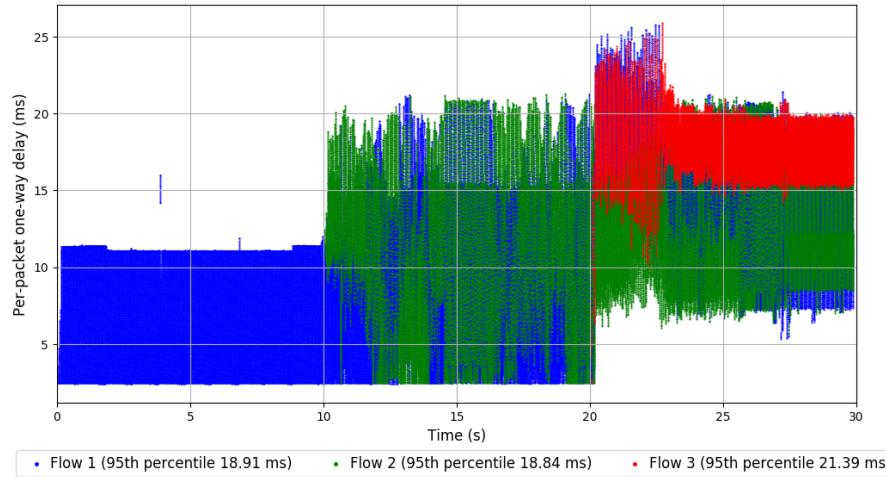
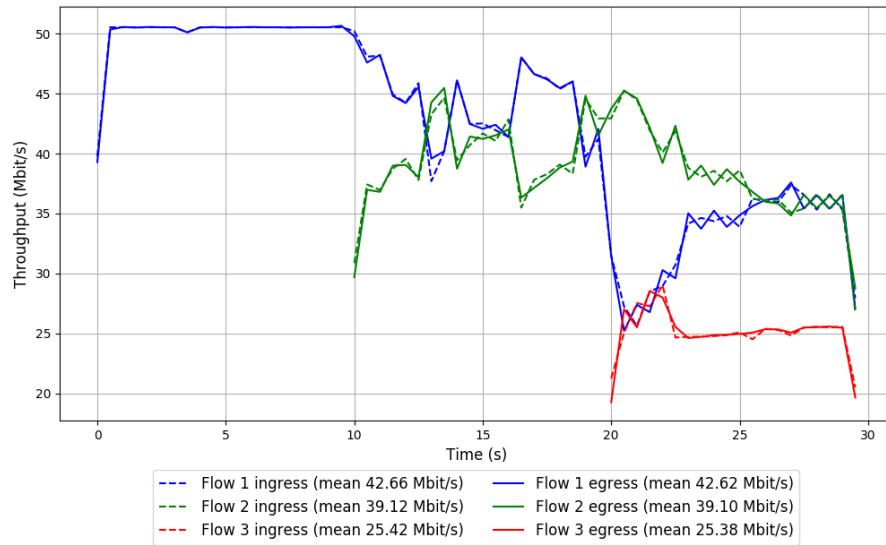


Run 5: Statistics of Sprout

```
Start at: 2018-04-03 18:40:15
End at: 2018-04-03 18:40:45
Local clock offset: -5.838 ms
Remote clock offset: -6.585 ms

# Below is generated by plot.py at 2018-04-03 23:58:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 19.486 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.62 Mbit/s
95th percentile per-packet one-way delay: 18.914 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.10 Mbit/s
95th percentile per-packet one-way delay: 18.844 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 25.38 Mbit/s
95th percentile per-packet one-way delay: 21.392 ms
Loss rate: 0.21%
```

Run 5: Report of Sprout — Data Link

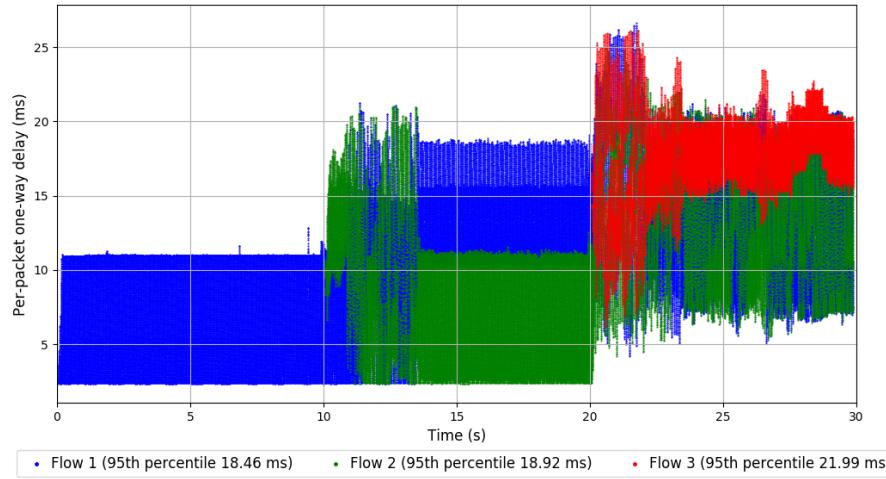
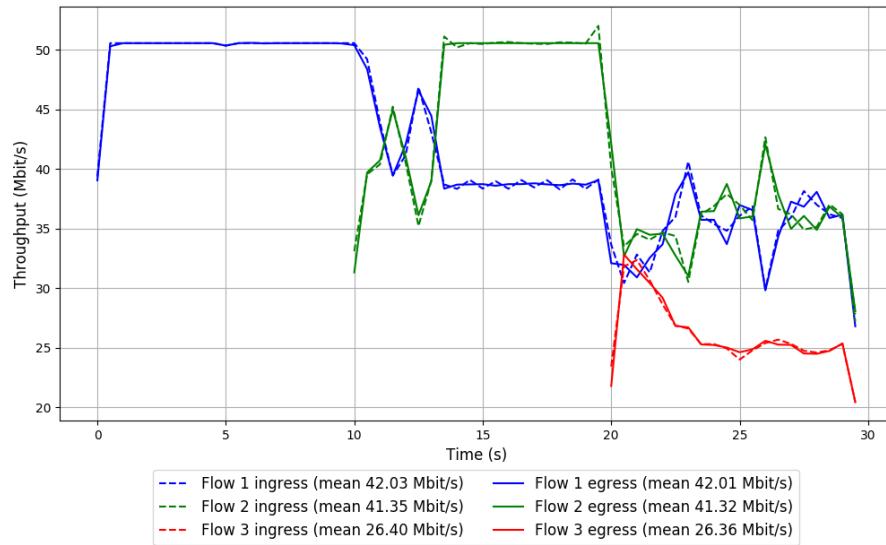


Run 6: Statistics of Sprout

```
Start at: 2018-04-03 19:00:41
End at: 2018-04-03 19:01:11
Local clock offset: -6.366 ms
Remote clock offset: -6.298 ms

# Below is generated by plot.py at 2018-04-03 23:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 19.557 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 18.463 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 18.924 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 26.36 Mbit/s
95th percentile per-packet one-way delay: 21.988 ms
Loss rate: 0.19%
```

Run 6: Report of Sprout — Data Link

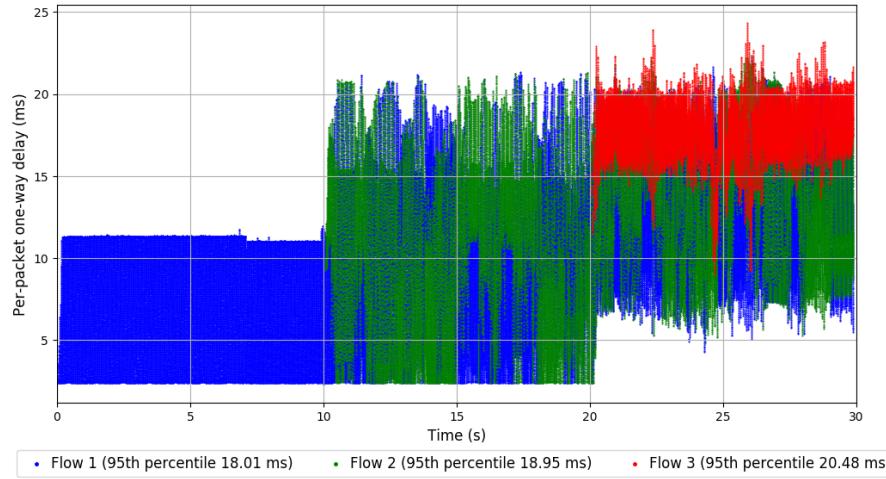
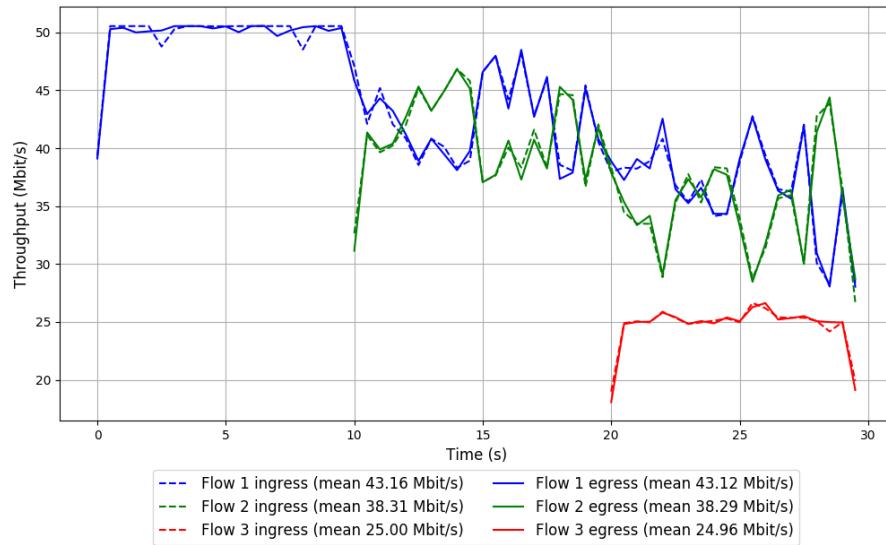


Run 7: Statistics of Sprout

```
Start at: 2018-04-03 19:21:05
End at: 2018-04-03 19:21:35
Local clock offset: -6.893 ms
Remote clock offset: -6.851 ms

# Below is generated by plot.py at 2018-04-03 23:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 43.12 Mbit/s
95th percentile per-packet one-way delay: 18.012 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 38.29 Mbit/s
95th percentile per-packet one-way delay: 18.954 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.96 Mbit/s
95th percentile per-packet one-way delay: 20.481 ms
Loss rate: 0.19%
```

Run 7: Report of Sprout — Data Link

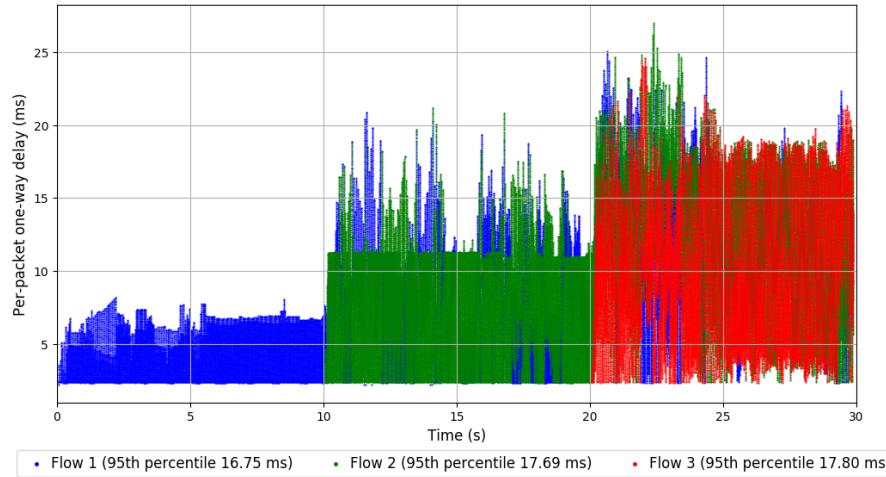
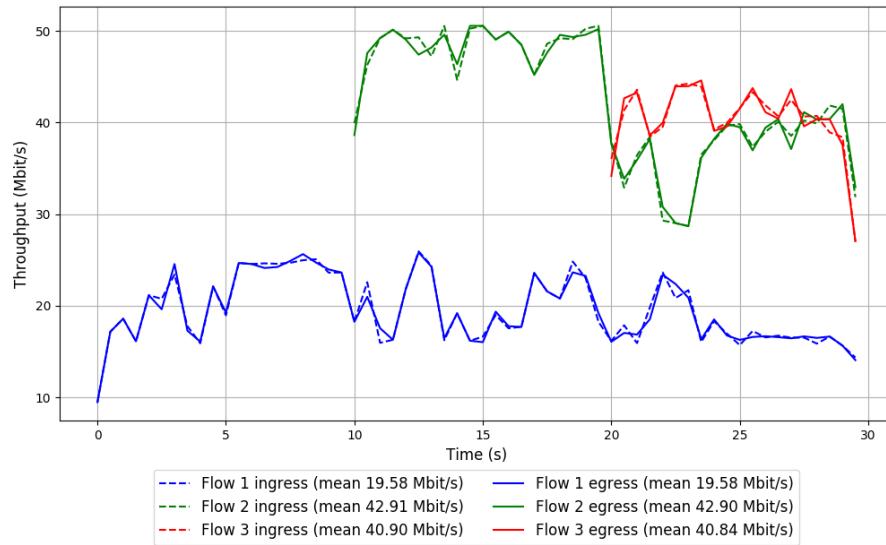


Run 8: Statistics of Sprout

```
Start at: 2018-04-03 19:41:29
End at: 2018-04-03 19:41:59
Local clock offset: -6.718 ms
Remote clock offset: -6.934 ms

# Below is generated by plot.py at 2018-04-03 23:59:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.56 Mbit/s
95th percentile per-packet one-way delay: 17.548 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 19.58 Mbit/s
95th percentile per-packet one-way delay: 16.745 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 42.90 Mbit/s
95th percentile per-packet one-way delay: 17.692 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 40.84 Mbit/s
95th percentile per-packet one-way delay: 17.804 ms
Loss rate: 0.10%
```

Run 8: Report of Sprout — Data Link

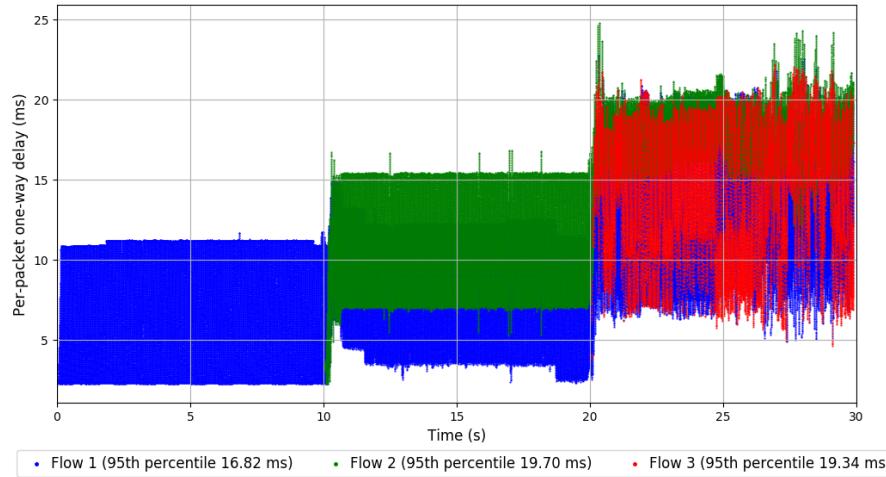
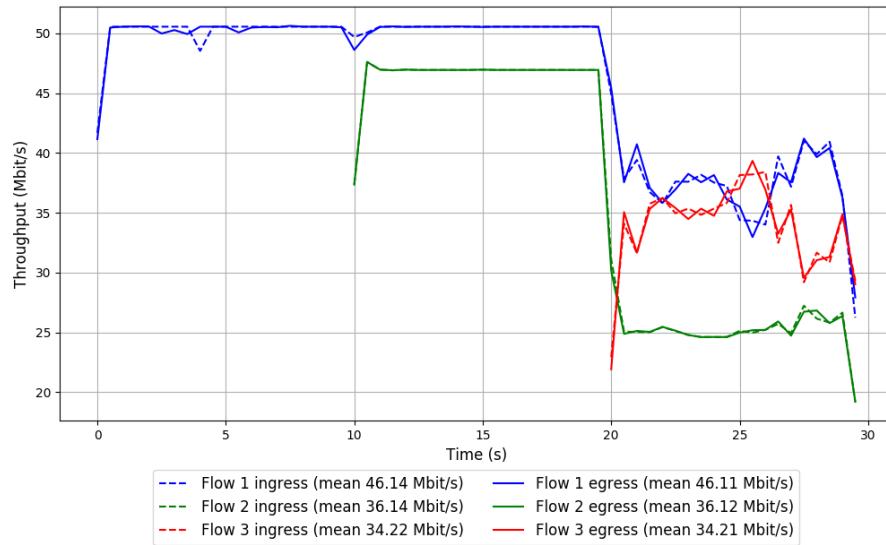


Run 9: Statistics of Sprout

```
Start at: 2018-04-03 20:01:52
End at: 2018-04-03 20:02:22
Local clock offset: -6.722 ms
Remote clock offset: -6.987 ms

# Below is generated by plot.py at 2018-04-03 23:59:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.40 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.11 Mbit/s
95th percentile per-packet one-way delay: 16.818 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 36.12 Mbit/s
95th percentile per-packet one-way delay: 19.696 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 34.21 Mbit/s
95th percentile per-packet one-way delay: 19.343 ms
Loss rate: 0.17%
```

Run 9: Report of Sprout — Data Link

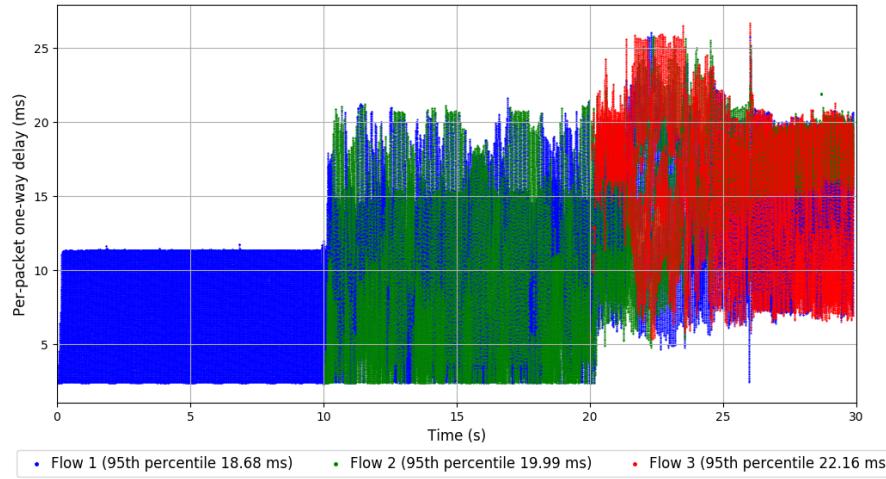
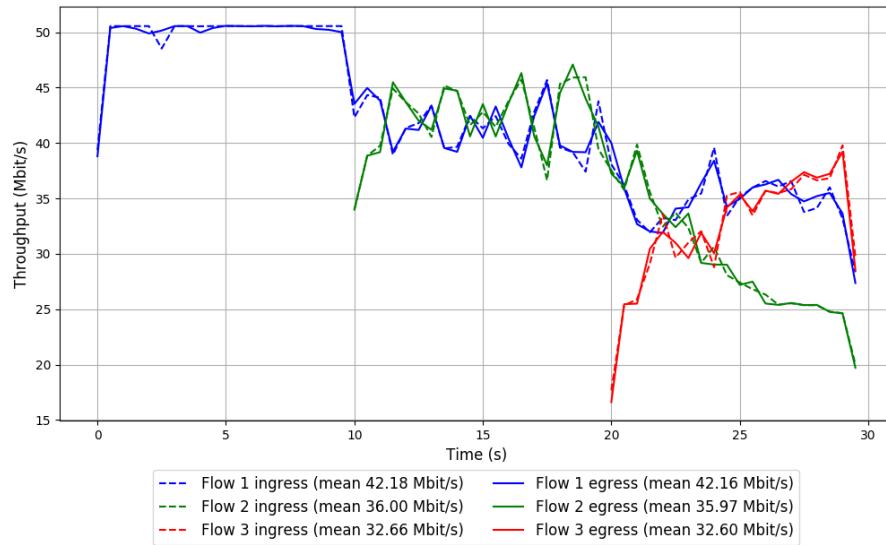


Run 10: Statistics of Sprout

```
Start at: 2018-04-03 20:22:16
End at: 2018-04-03 20:22:46
Local clock offset: -5.832 ms
Remote clock offset: -6.873 ms

# Below is generated by plot.py at 2018-04-03 23:59:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.83 Mbit/s
95th percentile per-packet one-way delay: 19.808 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 18.685 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 22.155 ms
Loss rate: 0.28%
```

Run 10: Report of Sprout — Data Link

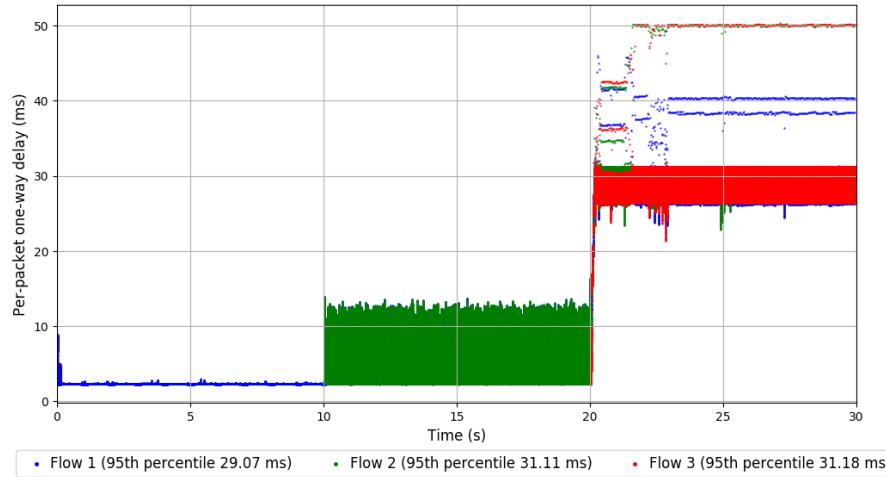
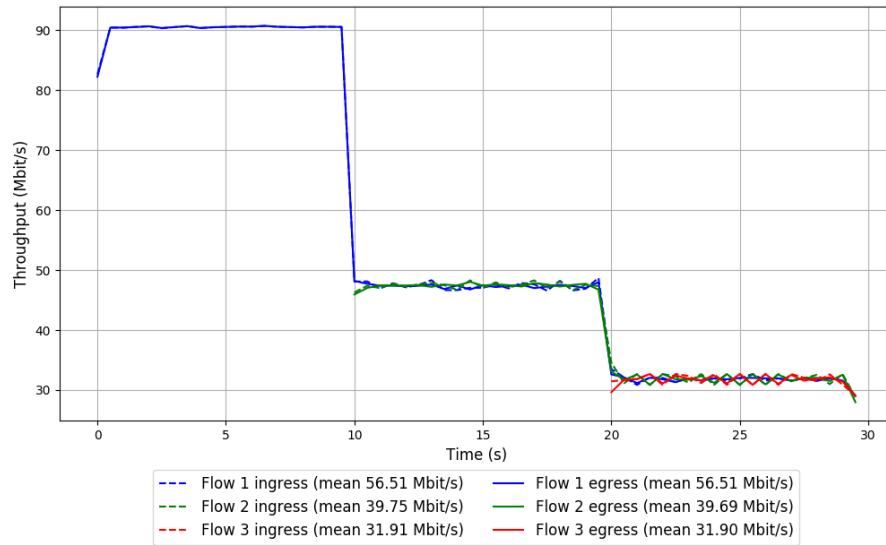


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-04-03 17:08:18
End at: 2018-04-03 17:08:48
Local clock offset: -6.971 ms
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2018-04-04 00:01:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 31.069 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 29.068 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 31.112 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.29%
```

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

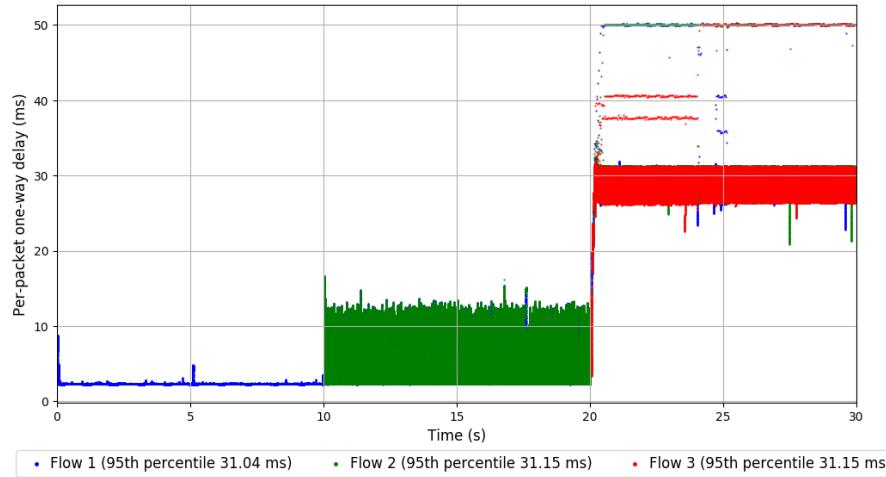
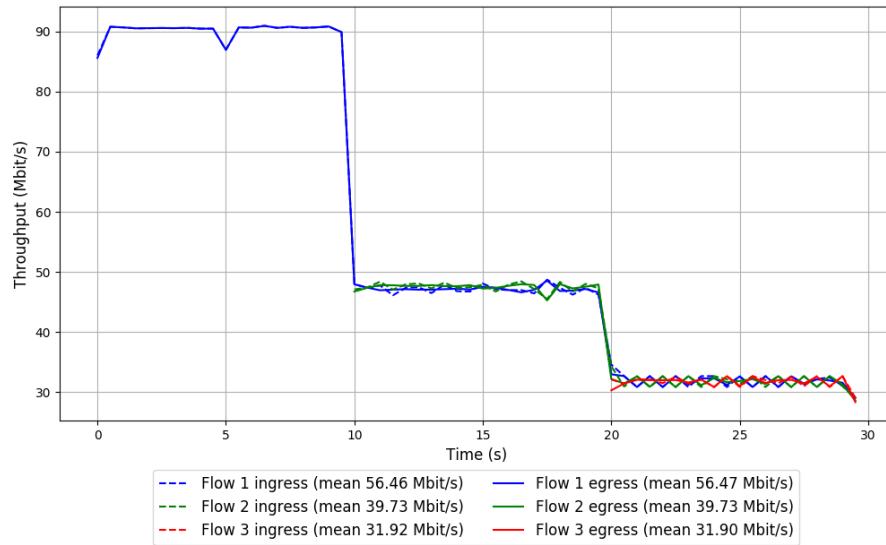


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-04-03 17:28:43
End at: 2018-04-03 17:29:13
Local clock offset: -7.293 ms
Remote clock offset: -6.708 ms

# Below is generated by plot.py at 2018-04-04 00:01:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.44 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 31.037 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 31.149 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.151 ms
Loss rate: 0.40%
```

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

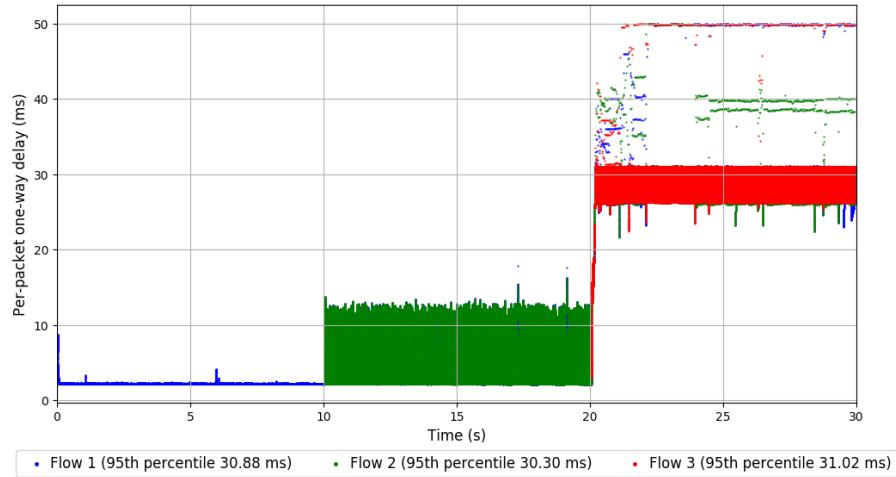
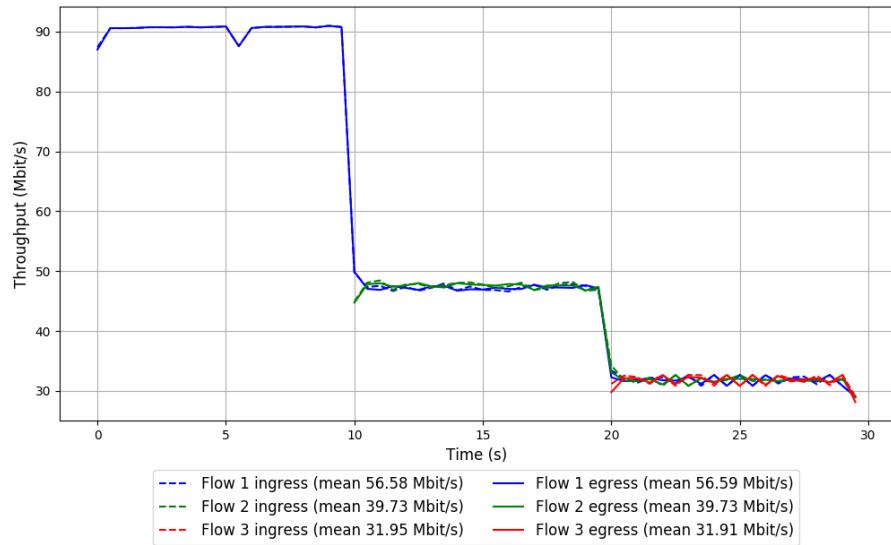


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-04-03 17:49:11
End at: 2018-04-03 17:49:41
Local clock offset: -7.089 ms
Remote clock offset: -6.576 ms

# Below is generated by plot.py at 2018-04-04 00:01:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.55 Mbit/s
95th percentile per-packet one-way delay: 30.932 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.59 Mbit/s
95th percentile per-packet one-way delay: 30.878 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.73 Mbit/s
95th percentile per-packet one-way delay: 30.297 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 31.016 ms
Loss rate: 0.43%
```

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

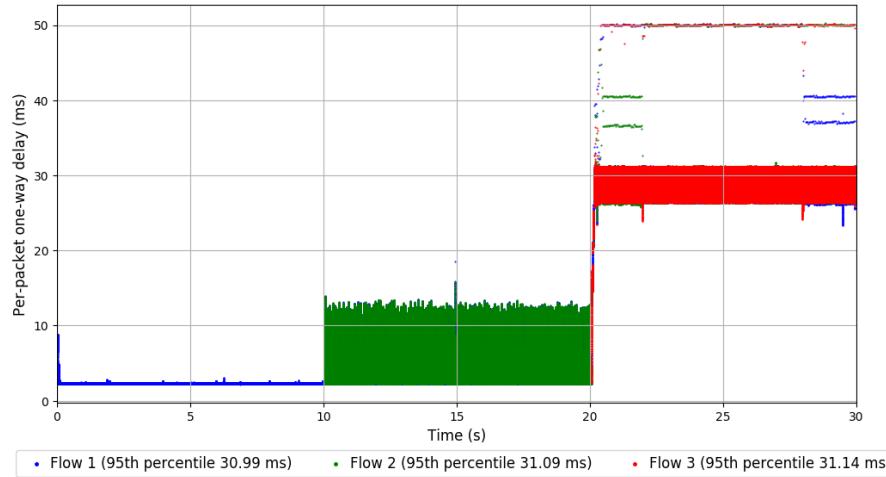
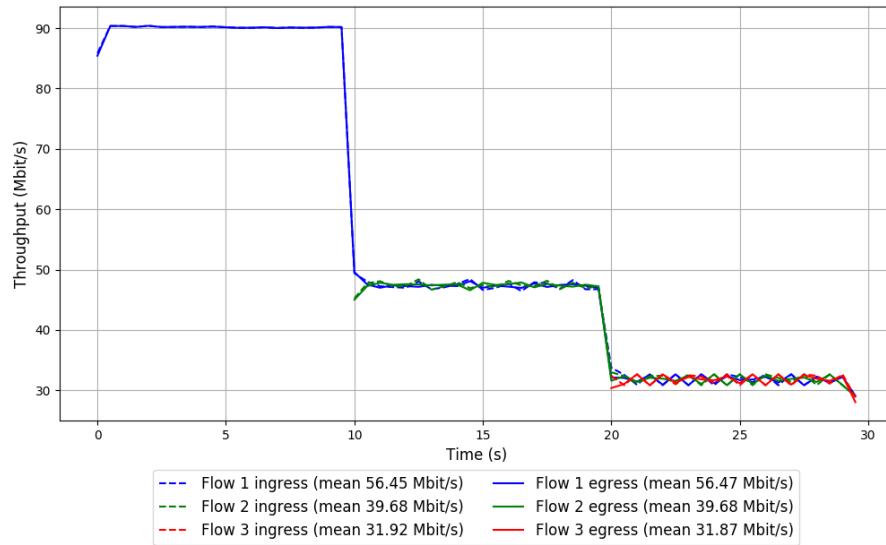


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-04-03 18:09:35
End at: 2018-04-03 18:10:05
Local clock offset: -5.589 ms
Remote clock offset: -6.858 ms

# Below is generated by plot.py at 2018-04-04 00:01:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.39 Mbit/s
95th percentile per-packet one-way delay: 31.076 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 30.988 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.68 Mbit/s
95th percentile per-packet one-way delay: 31.089 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 31.139 ms
Loss rate: 0.44%
```

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

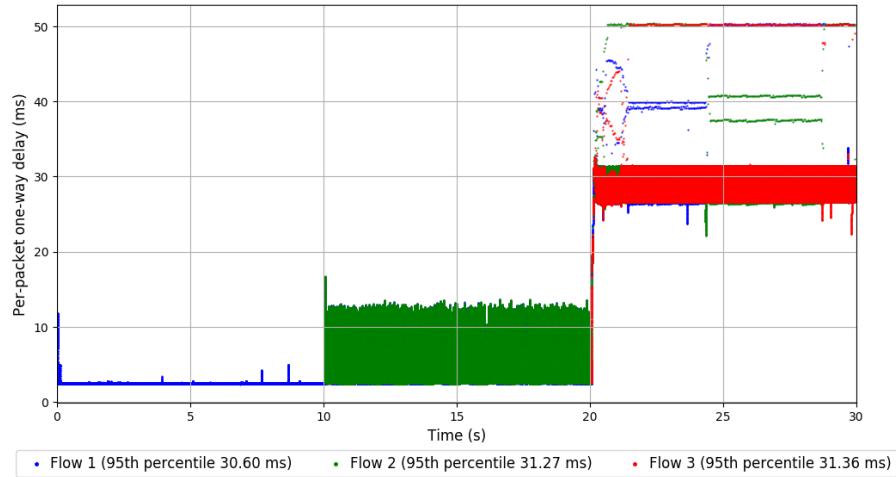
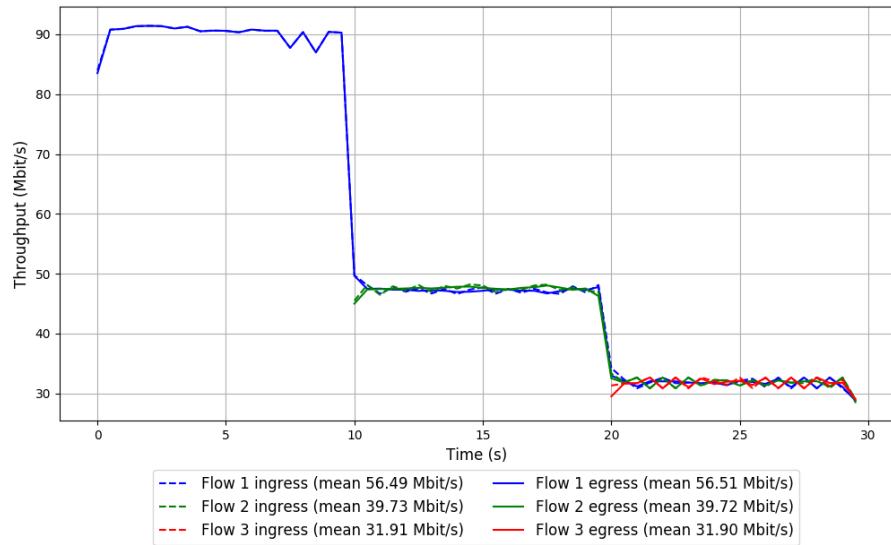


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-04-03 18:30:02
End at: 2018-04-03 18:30:32
Local clock offset: -5.706 ms
Remote clock offset: -6.87 ms

# Below is generated by plot.py at 2018-04-04 00:01:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 31.258 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.51 Mbit/s
95th percentile per-packet one-way delay: 30.601 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.72 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.355 ms
Loss rate: 0.29%
```

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

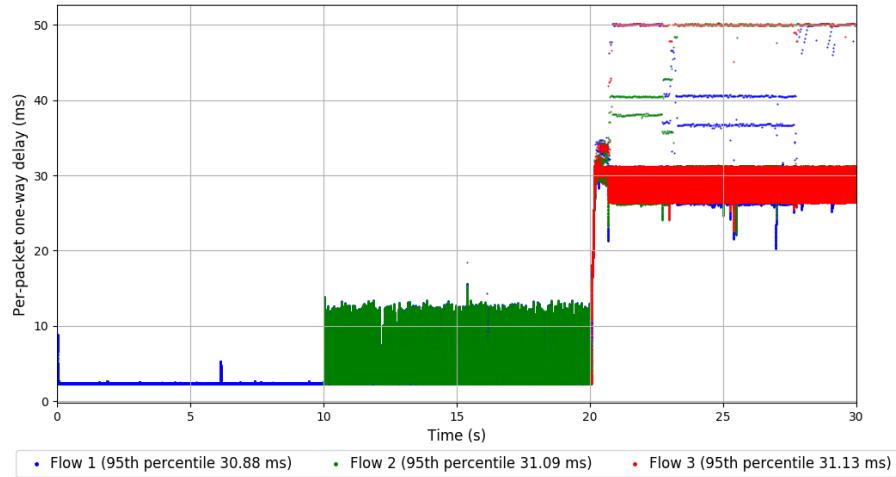
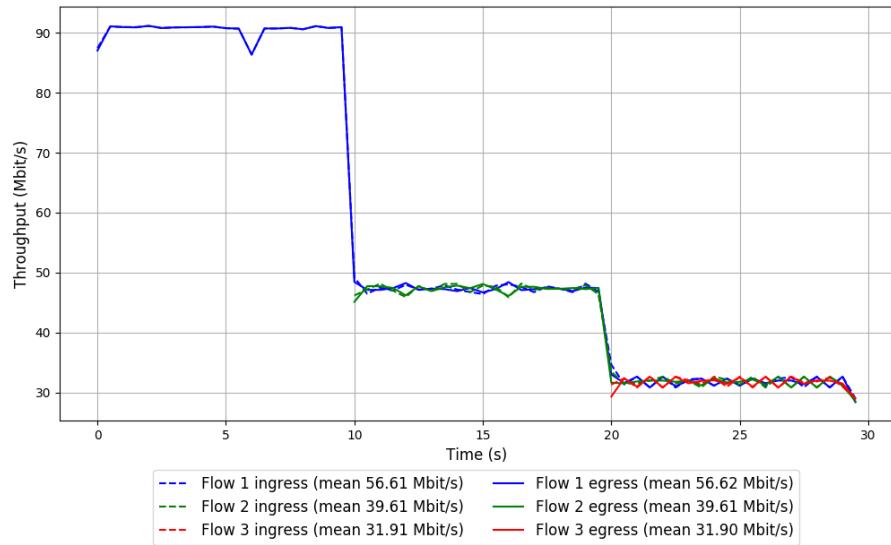


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-04-03 18:50:28
End at: 2018-04-03 18:50:58
Local clock offset: -5.905 ms
Remote clock offset: -6.406 ms

# Below is generated by plot.py at 2018-04-04 00:01:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.51 Mbit/s
95th percentile per-packet one-way delay: 31.069 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.62 Mbit/s
95th percentile per-packet one-way delay: 30.877 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.61 Mbit/s
95th percentile per-packet one-way delay: 31.092 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.90 Mbit/s
95th percentile per-packet one-way delay: 31.133 ms
Loss rate: 0.29%
```

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

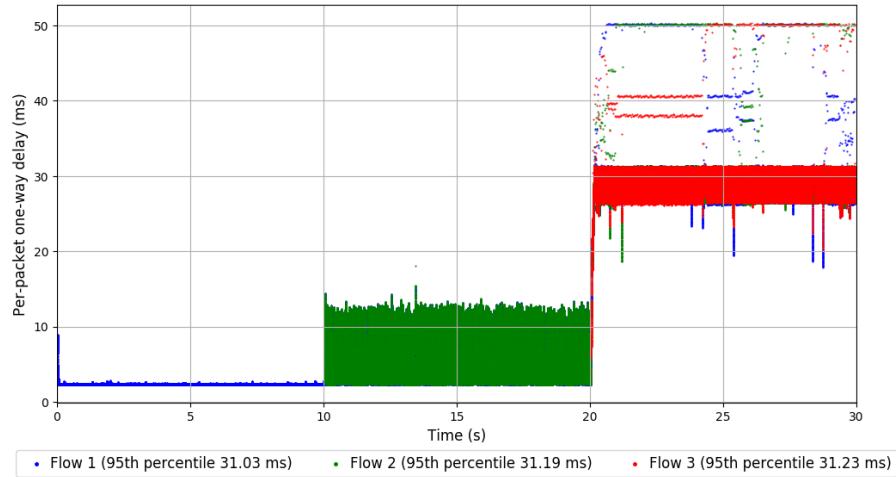
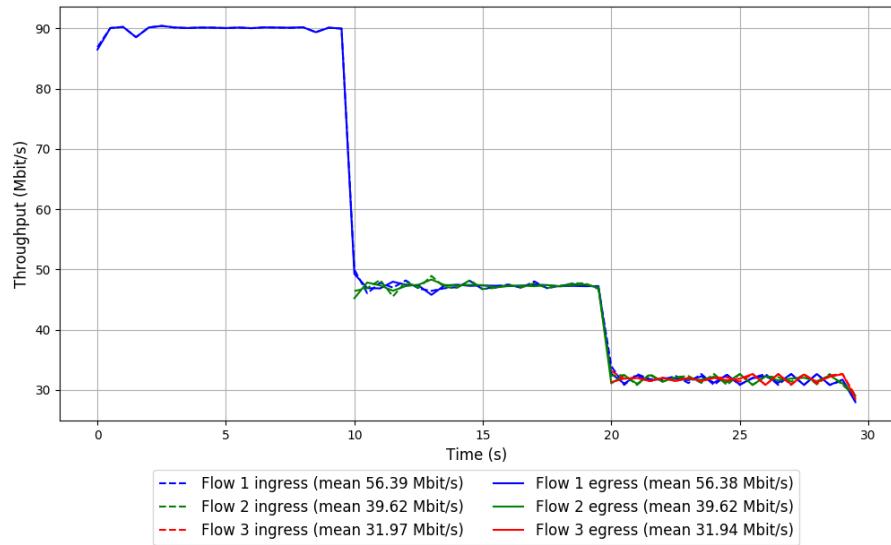


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-04-03 19:10:52
End at: 2018-04-03 19:11:22
Local clock offset: -6.734 ms
Remote clock offset: -6.678 ms

# Below is generated by plot.py at 2018-04-04 00:02:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 31.157 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 31.031 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 31.189 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.94 Mbit/s
95th percentile per-packet one-way delay: 31.229 ms
Loss rate: 0.36%
```

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

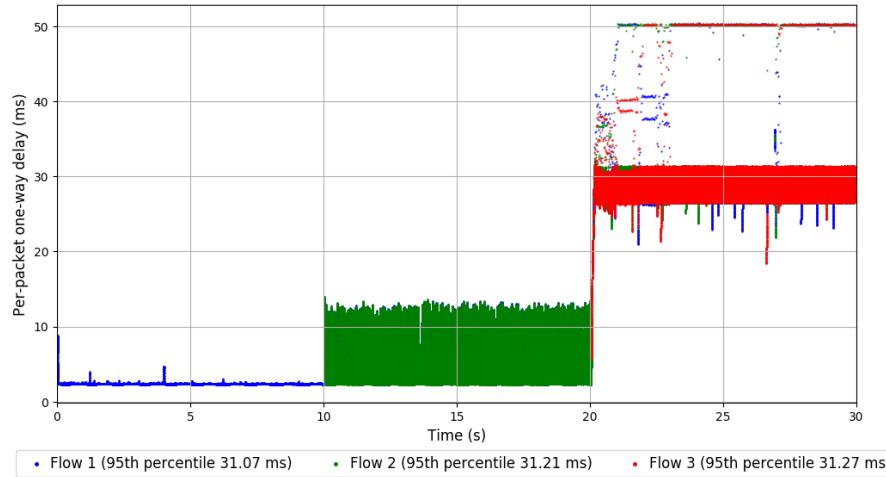
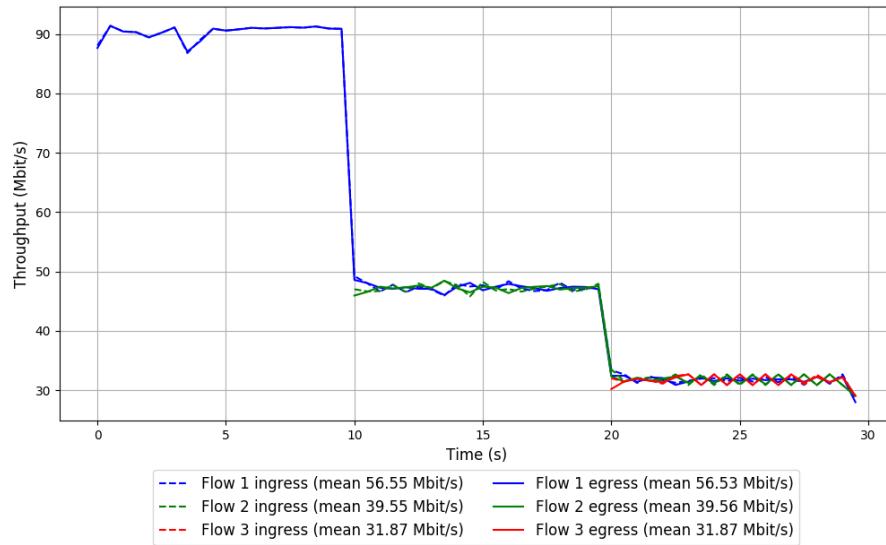


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-04-03 19:31:16
End at: 2018-04-03 19:31:46
Local clock offset: -6.972 ms
Remote clock offset: -6.973 ms

# Below is generated by plot.py at 2018-04-04 00:02:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 31.190 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.53 Mbit/s
95th percentile per-packet one-way delay: 31.075 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.56 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 31.269 ms
Loss rate: 0.29%
```

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

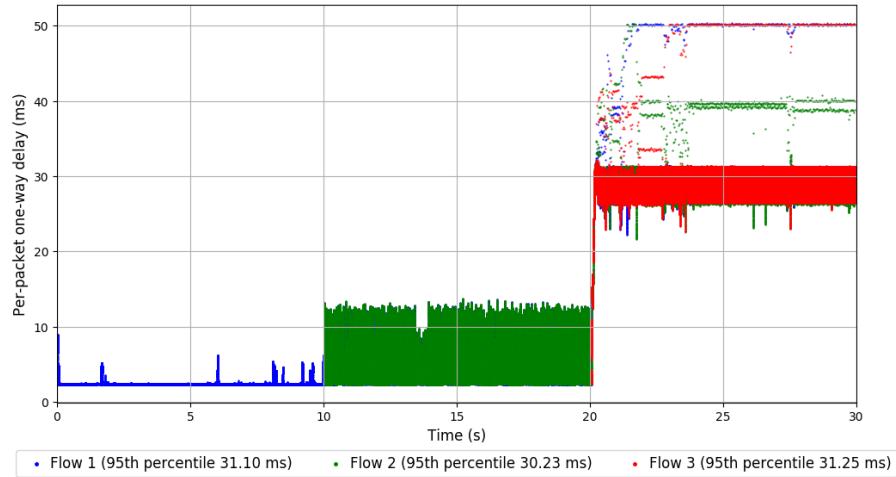
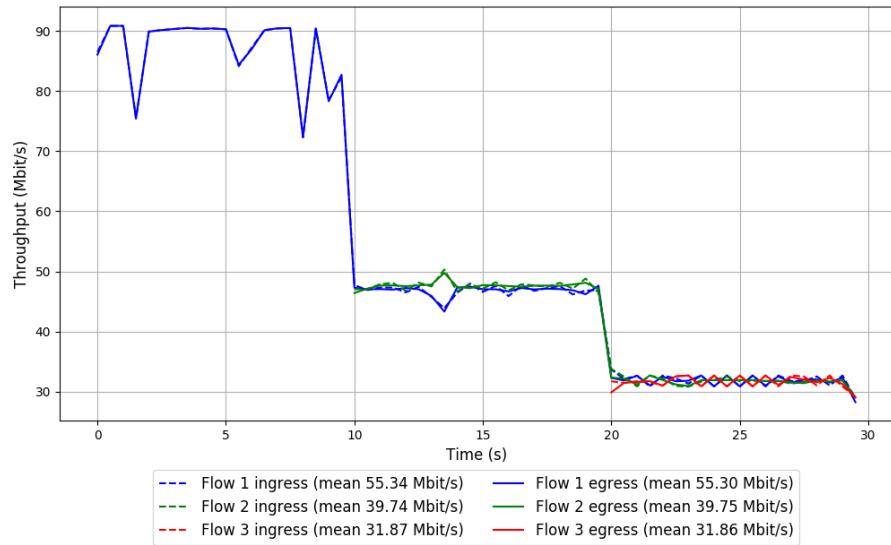


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-04-03 19:51:39
End at: 2018-04-03 19:52:09
Local clock offset: -6.656 ms
Remote clock offset: -6.962 ms

# Below is generated by plot.py at 2018-04-04 00:03:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.29 Mbit/s
95th percentile per-packet one-way delay: 31.147 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 55.30 Mbit/s
95th percentile per-packet one-way delay: 31.100 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 30.226 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.29%
```

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

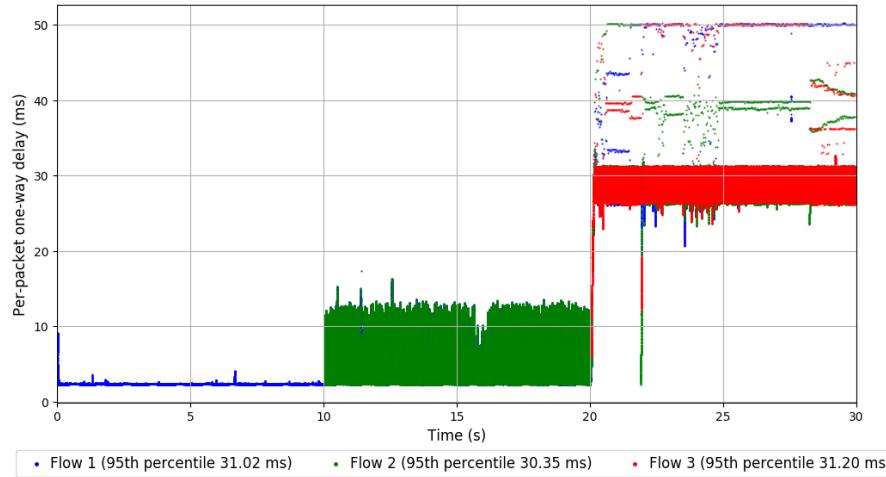
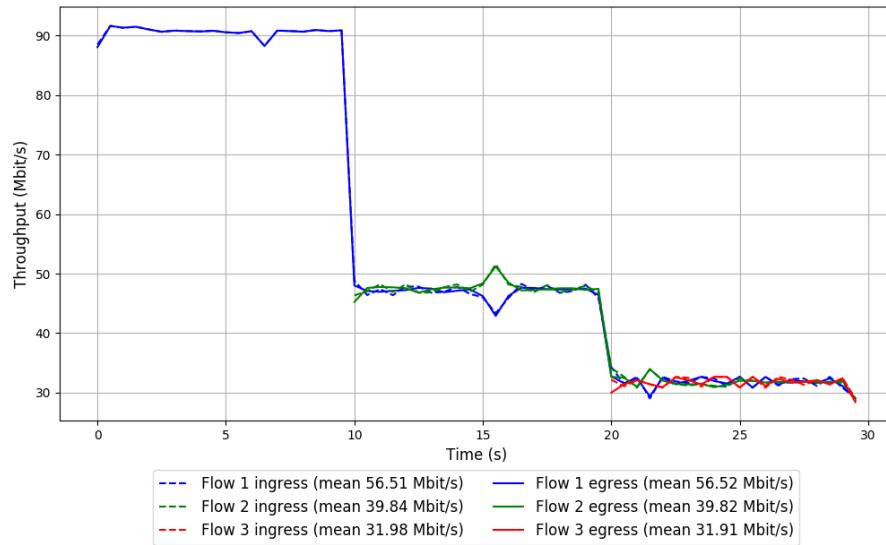


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-04-03 20:12:03
End at: 2018-04-03 20:12:33
Local clock offset: -6.134 ms
Remote clock offset: -6.962 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.54 Mbit/s
95th percentile per-packet one-way delay: 31.081 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 31.022 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 30.352 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.91 Mbit/s
95th percentile per-packet one-way delay: 31.197 ms
Loss rate: 0.40%
```

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

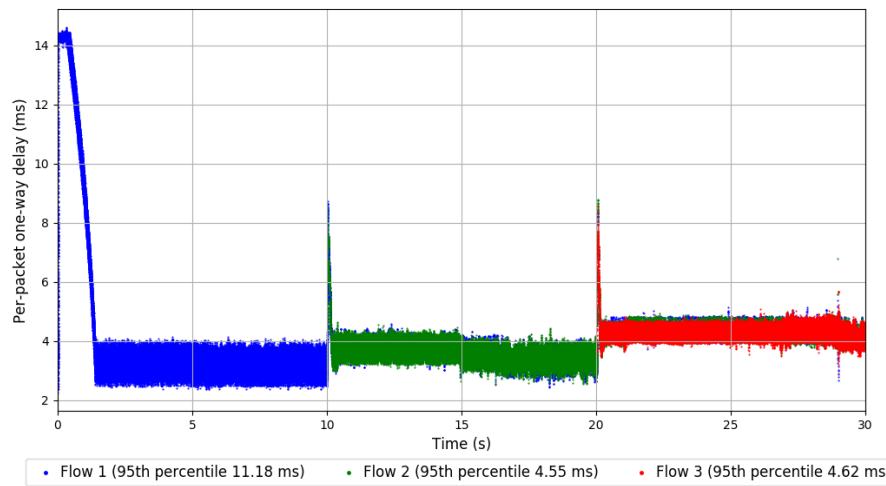
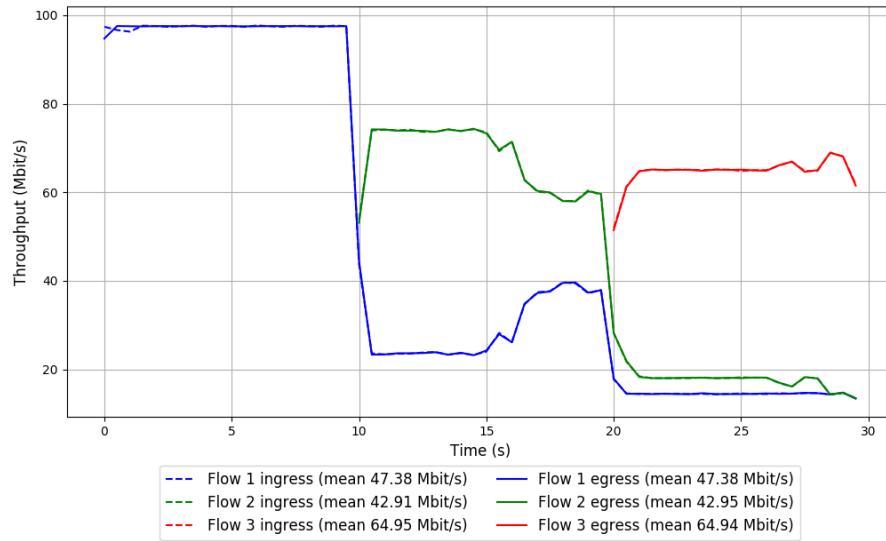


Run 1: Statistics of TCP Vegas

```
Start at: 2018-04-03 17:17:23
End at: 2018-04-03 17:17:53
Local clock offset: -7.065 ms
Remote clock offset: -6.602 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 4.858 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 47.38 Mbit/s
95th percentile per-packet one-way delay: 11.177 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 42.95 Mbit/s
95th percentile per-packet one-way delay: 4.550 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 4.622 ms
Loss rate: 0.07%
```

Run 1: Report of TCP Vegas — Data Link

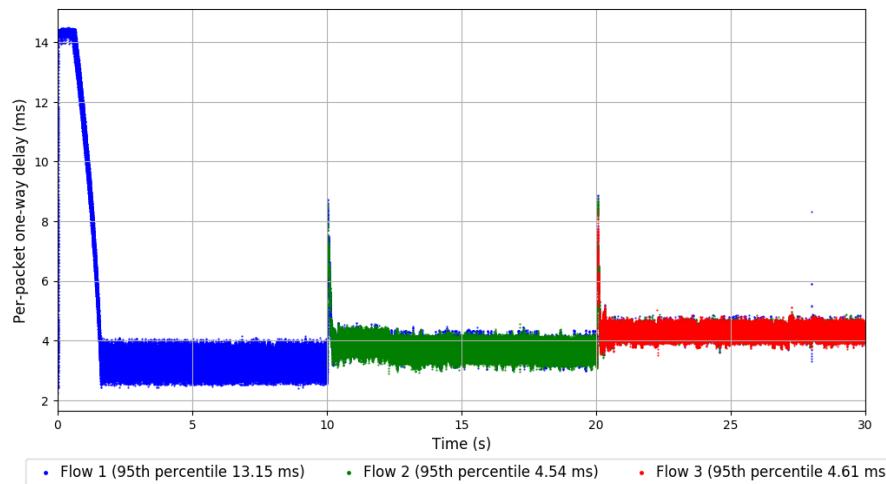
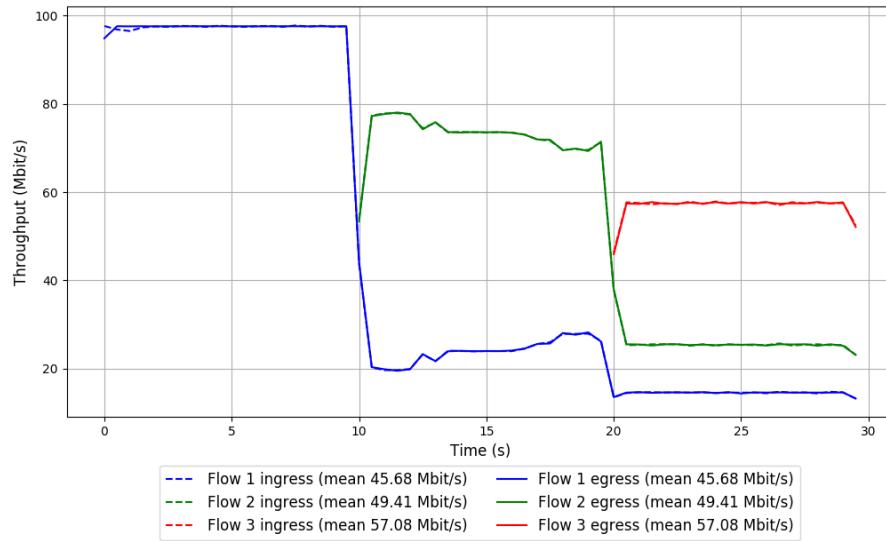


Run 2: Statistics of TCP Vegas

```
Start at: 2018-04-03 17:37:49
End at: 2018-04-03 17:38:19
Local clock offset: -7.306 ms
Remote clock offset: -6.728 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 6.156 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.68 Mbit/s
95th percentile per-packet one-way delay: 13.152 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 4.537 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 4.614 ms
Loss rate: 0.07%
```

Run 2: Report of TCP Vegas — Data Link

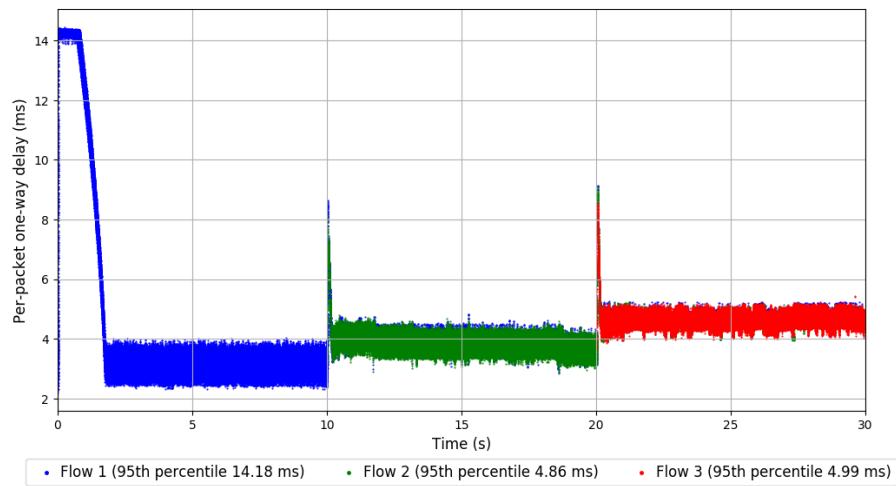
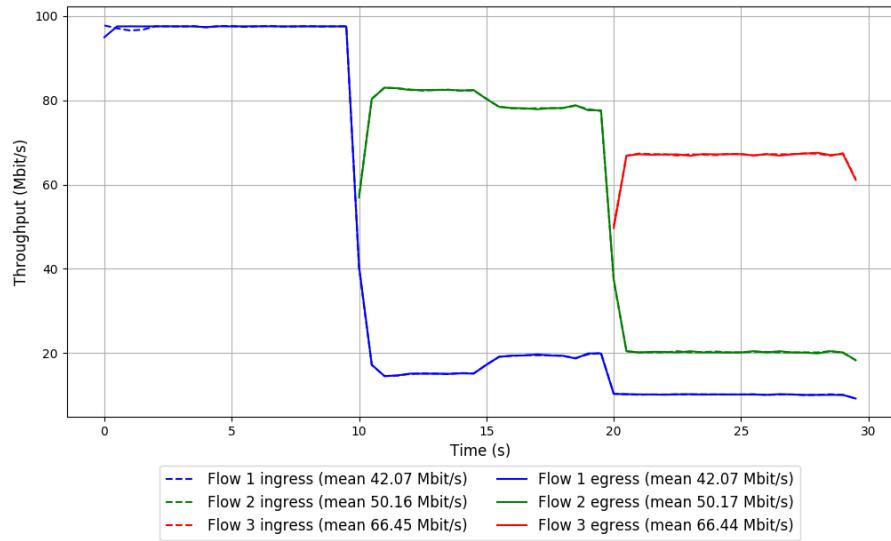


Run 3: Statistics of TCP Vegas

```
Start at: 2018-04-03 17:58:16
End at: 2018-04-03 17:58:46
Local clock offset: -6.079 ms
Remote clock offset: -6.699 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.49 Mbit/s
95th percentile per-packet one-way delay: 7.467 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 42.07 Mbit/s
95th percentile per-packet one-way delay: 14.178 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 4.858 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 66.44 Mbit/s
95th percentile per-packet one-way delay: 4.991 ms
Loss rate: 0.07%
```

Run 3: Report of TCP Vegas — Data Link

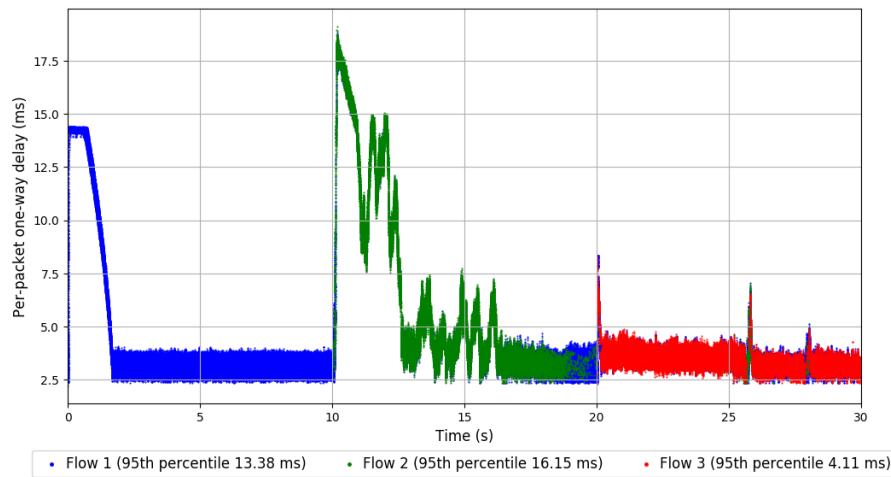
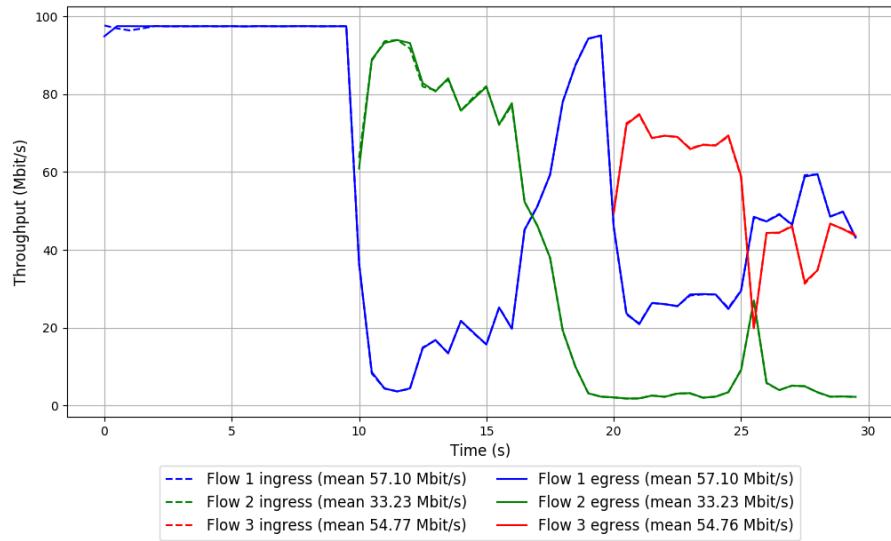


Run 4: Statistics of TCP Vegas

```
Start at: 2018-04-03 18:18:40
End at: 2018-04-03 18:19:10
Local clock offset: -5.224 ms
Remote clock offset: -6.88 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 14.214 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 13.376 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 33.23 Mbit/s
95th percentile per-packet one-way delay: 16.153 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 54.76 Mbit/s
95th percentile per-packet one-way delay: 4.107 ms
Loss rate: 0.05%
```

Run 4: Report of TCP Vegas — Data Link

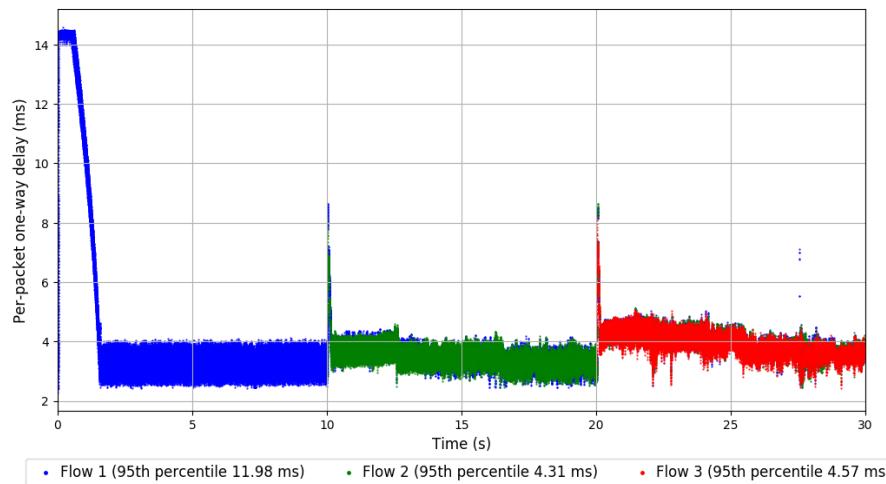
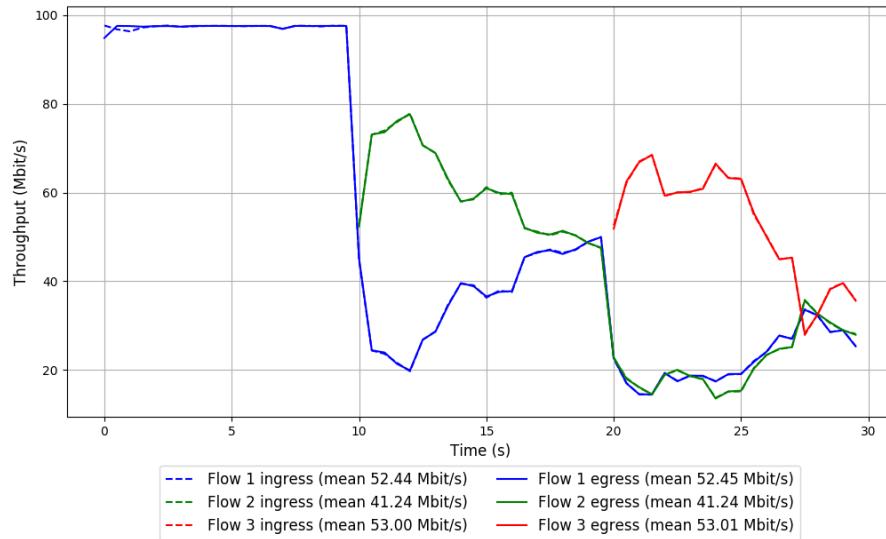


Run 5: Statistics of TCP Vegas

```
Start at: 2018-04-03 18:39:07
End at: 2018-04-03 18:39:37
Local clock offset: -5.833 ms
Remote clock offset: -6.606 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 5.792 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 11.984 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.24 Mbit/s
95th percentile per-packet one-way delay: 4.314 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 53.01 Mbit/s
95th percentile per-packet one-way delay: 4.565 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

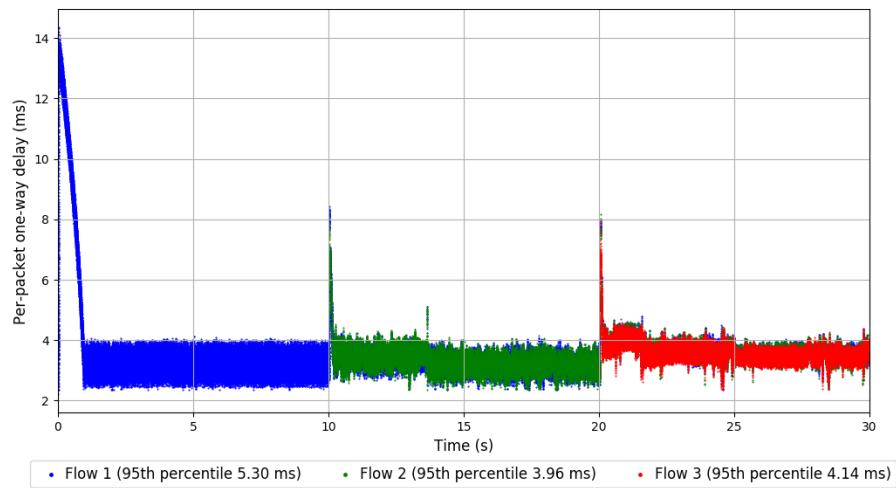
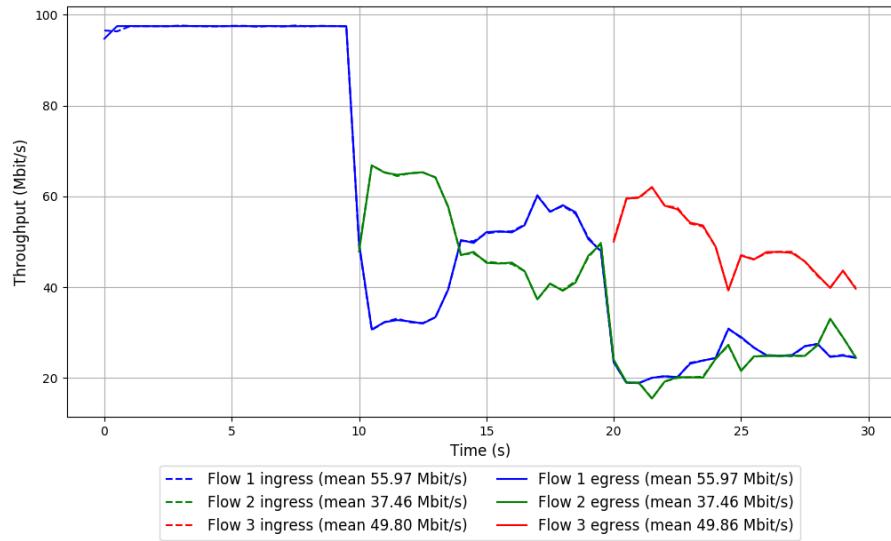


Run 6: Statistics of TCP Vegas

```
Start at: 2018-04-03 18:59:33
End at: 2018-04-03 19:00:03
Local clock offset: -6.26 ms
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2018-04-04 00:03:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.43 Mbit/s
95th percentile per-packet one-way delay: 4.148 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.97 Mbit/s
95th percentile per-packet one-way delay: 5.298 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 3.962 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 4.144 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Vegas — Data Link

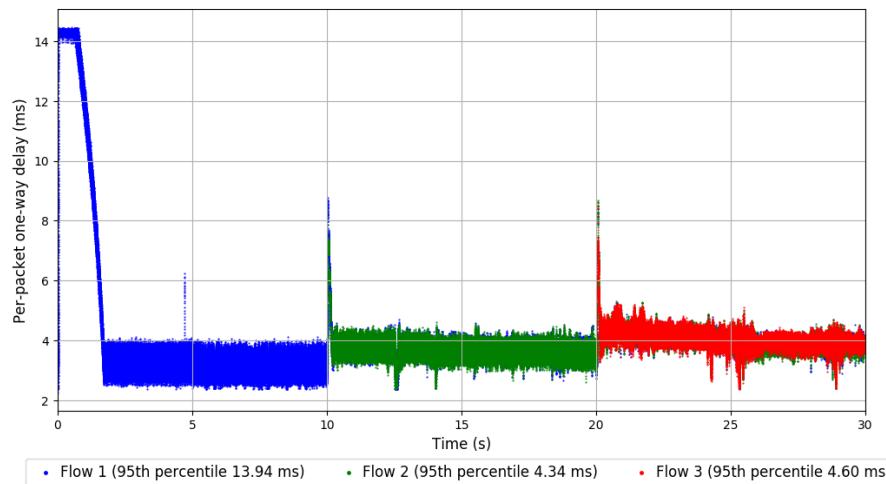
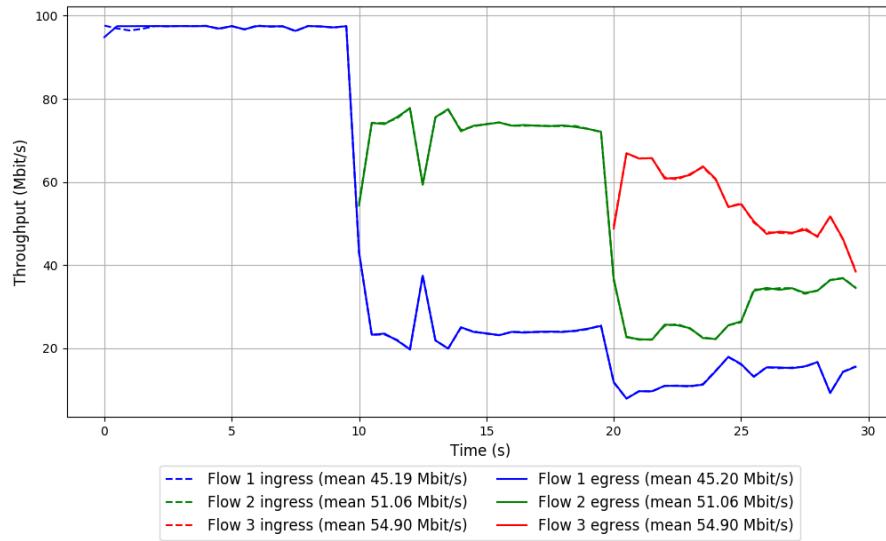


Run 7: Statistics of TCP Vegas

```
Start at: 2018-04-03 19:19:57
End at: 2018-04-03 19:20:27
Local clock offset: -6.894 ms
Remote clock offset: -6.886 ms

# Below is generated by plot.py at 2018-04-04 00:04:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 6.946 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 13.941 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 51.06 Mbit/s
95th percentile per-packet one-way delay: 4.340 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 54.90 Mbit/s
95th percentile per-packet one-way delay: 4.597 ms
Loss rate: 0.04%
```

Run 7: Report of TCP Vegas — Data Link

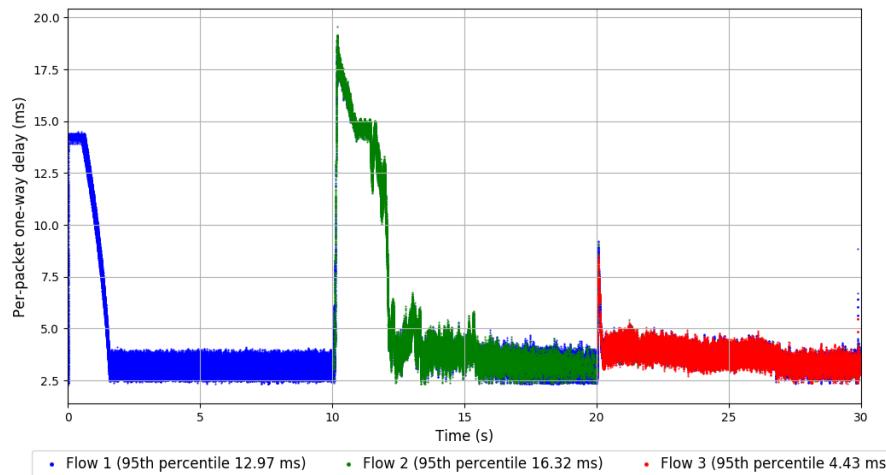
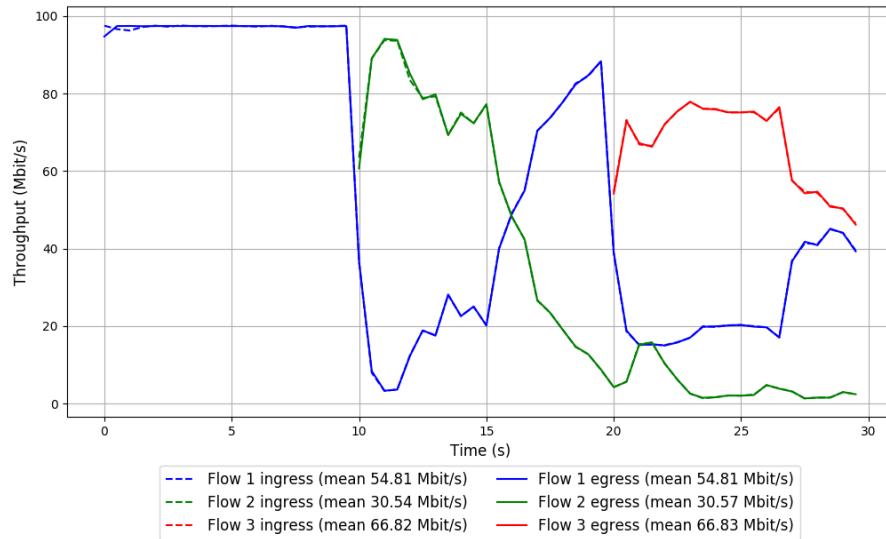


Run 8: Statistics of TCP Vegas

```
Start at: 2018-04-03 19:40:21
End at: 2018-04-03 19:40:51
Local clock offset: -6.727 ms
Remote clock offset: -6.942 ms

# Below is generated by plot.py at 2018-04-04 00:04:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 14.308 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 54.81 Mbit/s
95th percentile per-packet one-way delay: 12.967 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 30.57 Mbit/s
95th percentile per-packet one-way delay: 16.320 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 66.83 Mbit/s
95th percentile per-packet one-way delay: 4.430 ms
Loss rate: 0.04%
```

Run 8: Report of TCP Vegas — Data Link

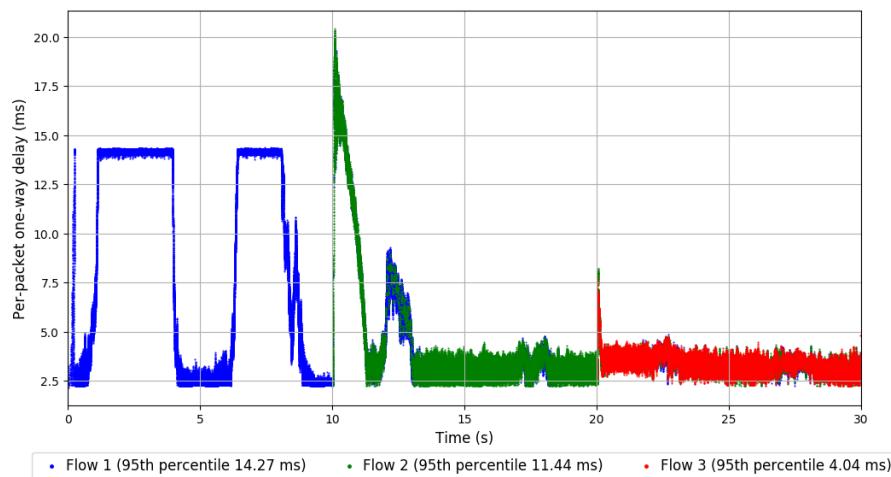
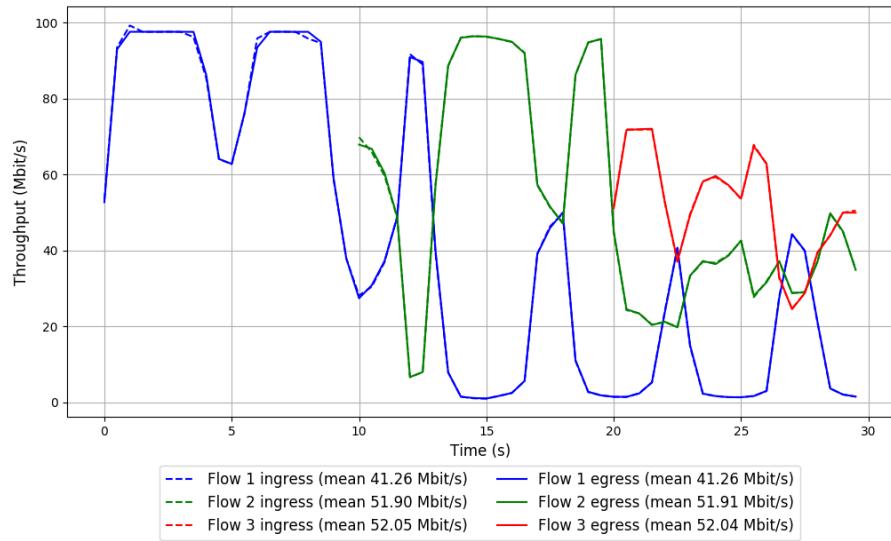


Run 9: Statistics of TCP Vegas

```
Start at: 2018-04-03 20:00:44
End at: 2018-04-03 20:01:14
Local clock offset: -6.716 ms
Remote clock offset: -6.97 ms

# Below is generated by plot.py at 2018-04-04 00:04:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 14.246 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.26 Mbit/s
95th percentile per-packet one-way delay: 14.268 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 11.441 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 52.04 Mbit/s
95th percentile per-packet one-way delay: 4.035 ms
Loss rate: 0.09%
```

Run 9: Report of TCP Vegas — Data Link

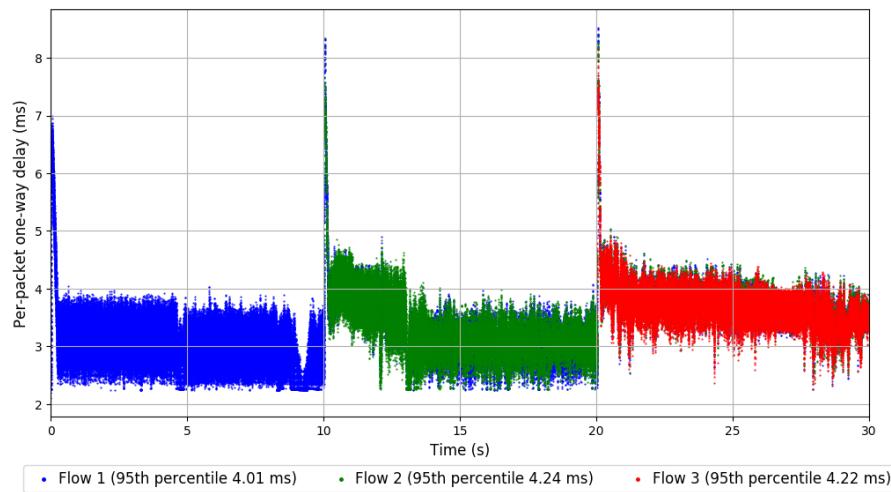
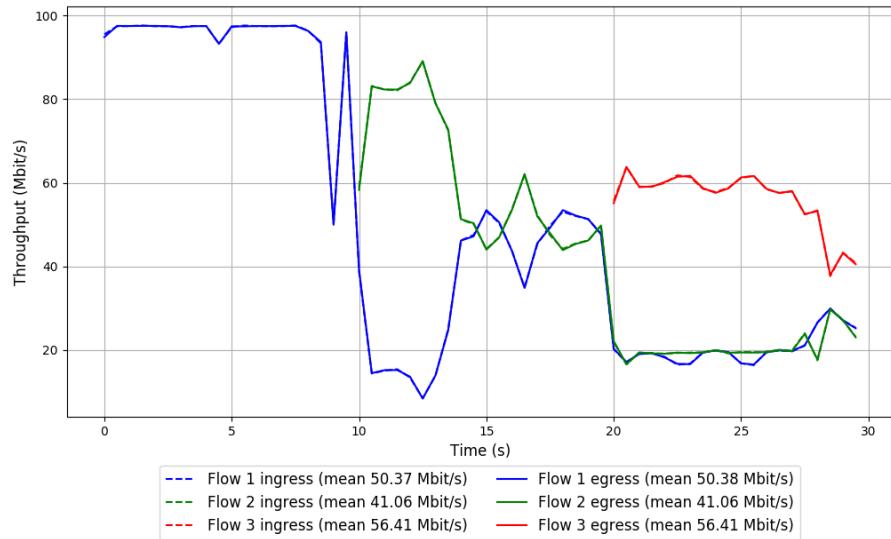


Run 10: Statistics of TCP Vegas

```
Start at: 2018-04-03 20:21:08
End at: 2018-04-03 20:21:38
Local clock offset: -5.949 ms
Remote clock offset: -6.873 ms

# Below is generated by plot.py at 2018-04-04 00:04:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 4.166 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 4.007 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 41.06 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 56.41 Mbit/s
95th percentile per-packet one-way delay: 4.219 ms
Loss rate: 0.05%
```

Run 10: Report of TCP Vegas — Data Link

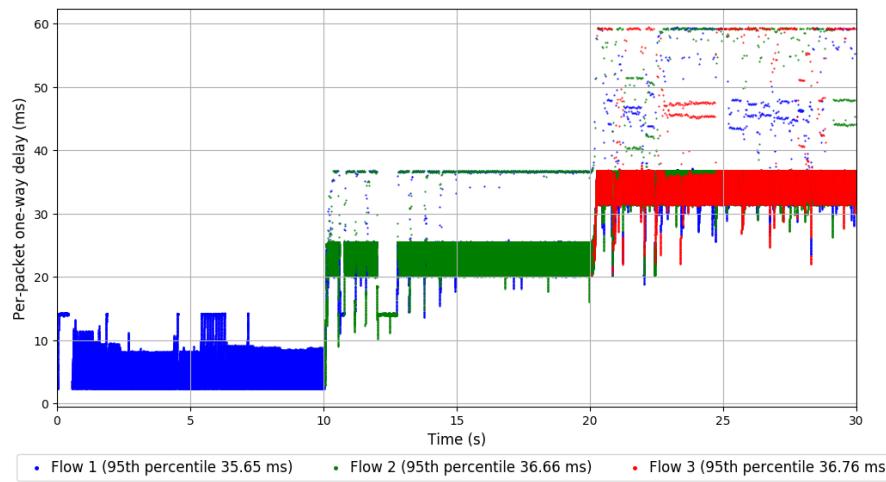
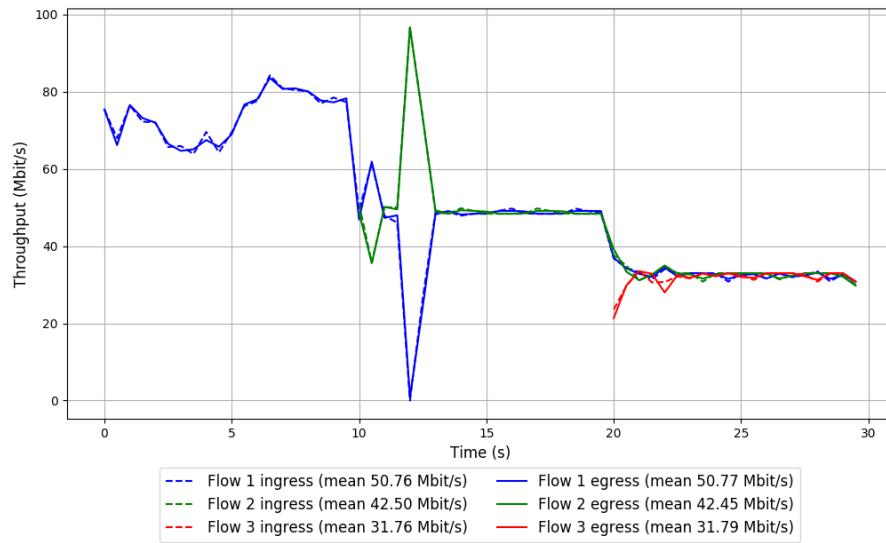


Run 1: Statistics of Verus

```
Start at: 2018-04-03 17:03:45
End at: 2018-04-03 17:04:15
Local clock offset: -6.865 ms
Remote clock offset: -6.814 ms

# Below is generated by plot.py at 2018-04-04 00:05:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.54 Mbit/s
95th percentile per-packet one-way delay: 36.648 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 35.654 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 42.45 Mbit/s
95th percentile per-packet one-way delay: 36.659 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 36.762 ms
Loss rate: 0.35%
```

Run 1: Report of Verus — Data Link

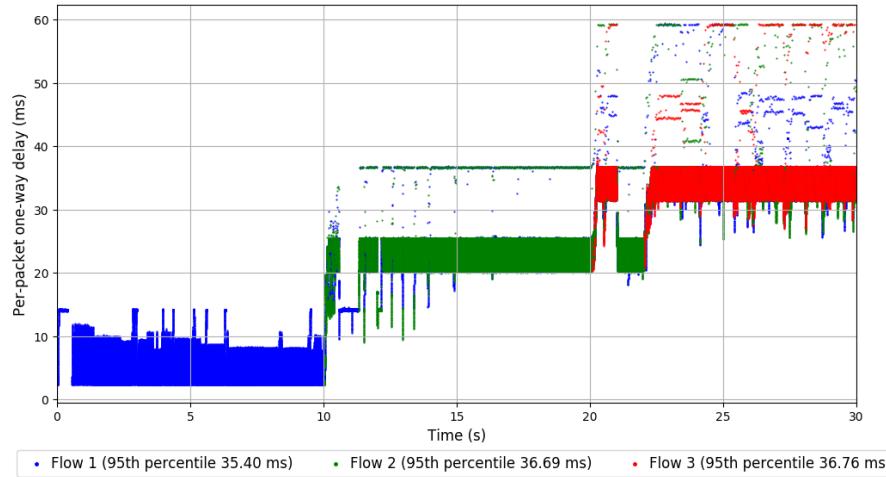
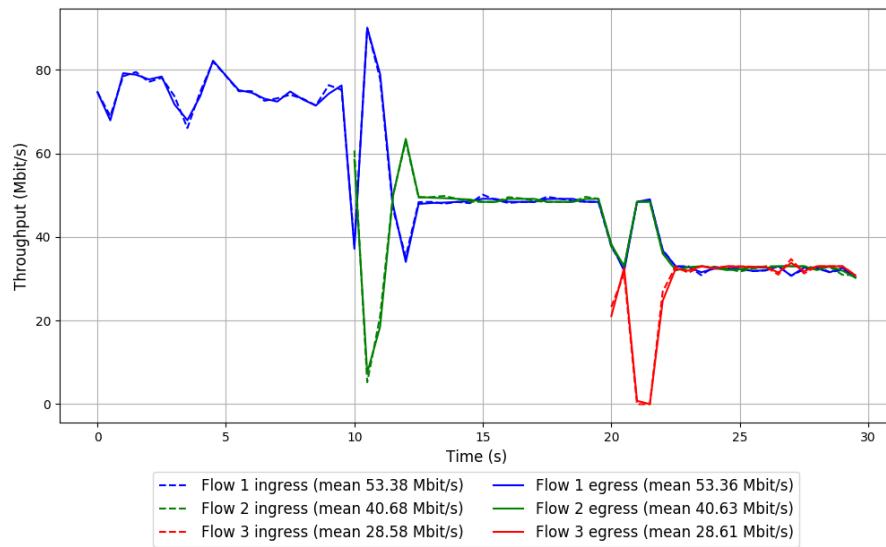


Run 2: Statistics of Verus

```
Start at: 2018-04-03 17:24:10
End at: 2018-04-03 17:24:40
Local clock offset: -7.237 ms
Remote clock offset: -6.759 ms

# Below is generated by plot.py at 2018-04-04 00:05:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.88 Mbit/s
95th percentile per-packet one-way delay: 36.643 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.36 Mbit/s
95th percentile per-packet one-way delay: 35.399 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 36.687 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 28.61 Mbit/s
95th percentile per-packet one-way delay: 36.758 ms
Loss rate: 0.39%
```

Run 2: Report of Verus — Data Link

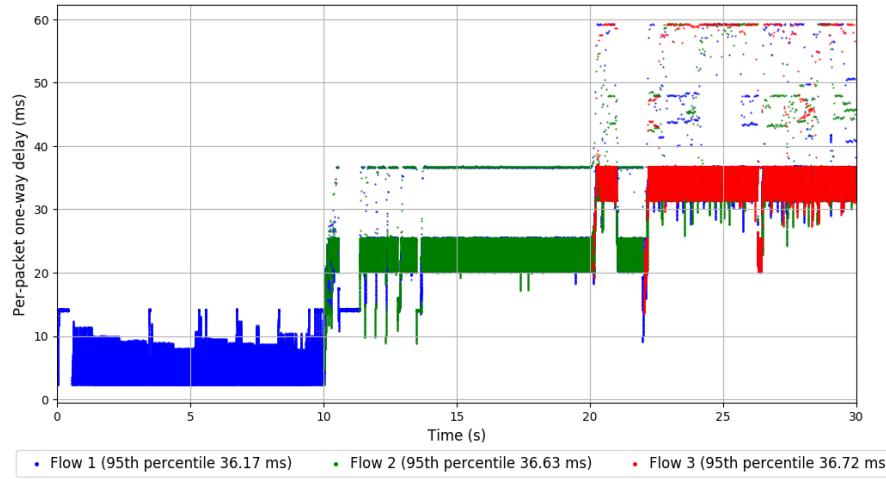
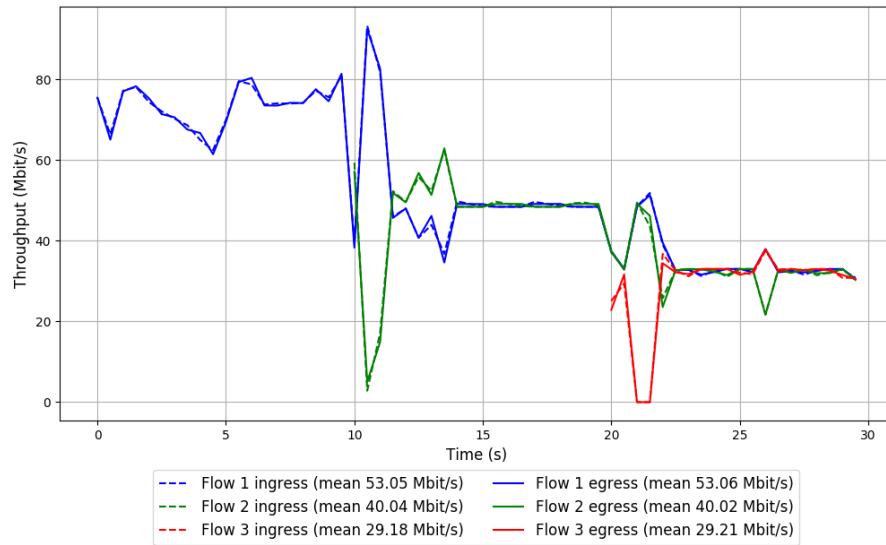


Run 3: Statistics of Verus

```
Start at: 2018-04-03 17:44:37
End at: 2018-04-03 17:45:07
Local clock offset: -7.36 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-04-04 00:05:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 36.631 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 36.173 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.02 Mbit/s
95th percentile per-packet one-way delay: 36.631 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 29.21 Mbit/s
95th percentile per-packet one-way delay: 36.718 ms
Loss rate: 0.39%
```

Run 3: Report of Verus — Data Link

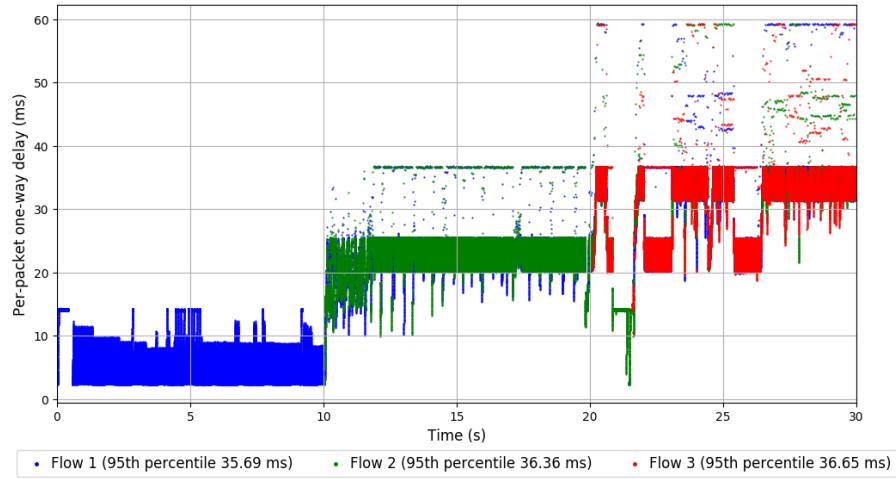
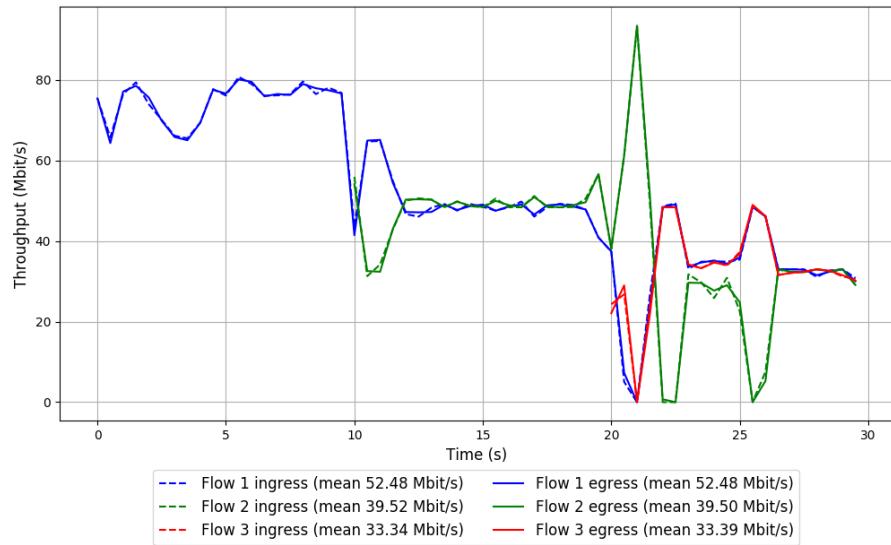


Run 4: Statistics of Verus

```
Start at: 2018-04-03 18:05:02
End at: 2018-04-03 18:05:32
Local clock offset: -5.686 ms
Remote clock offset: -6.809 ms

# Below is generated by plot.py at 2018-04-04 00:05:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.80 Mbit/s
95th percentile per-packet one-way delay: 36.445 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 52.48 Mbit/s
95th percentile per-packet one-way delay: 35.691 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 39.50 Mbit/s
95th percentile per-packet one-way delay: 36.357 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.39 Mbit/s
95th percentile per-packet one-way delay: 36.645 ms
Loss rate: 0.34%
```

Run 4: Report of Verus — Data Link

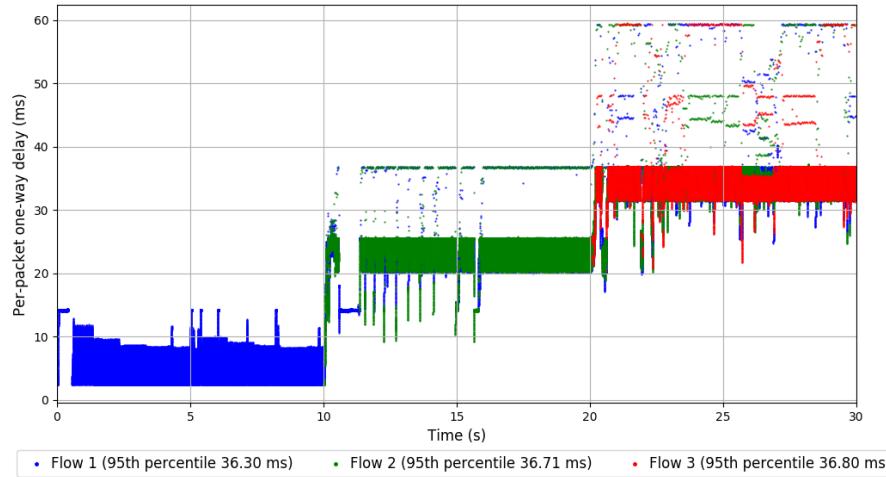
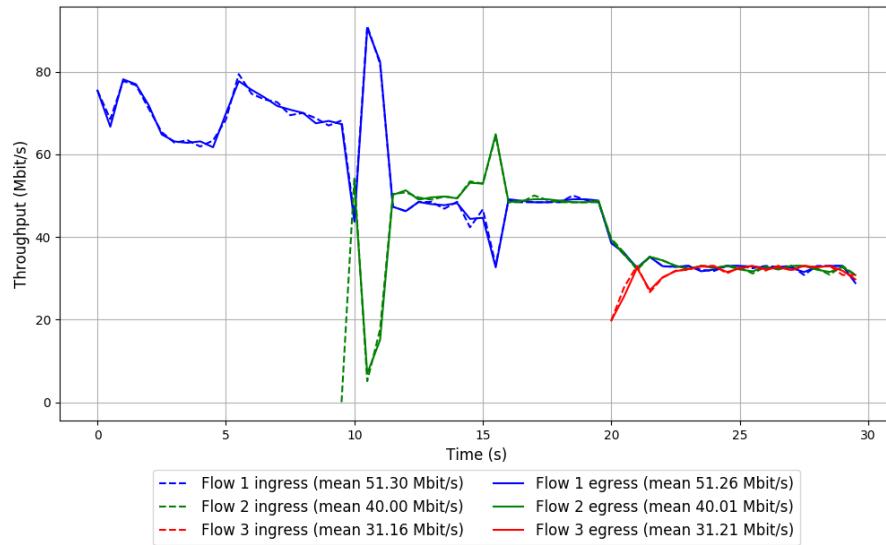


Run 5: Statistics of Verus

```
Start at: 2018-04-03 18:25:28
End at: 2018-04-03 18:25:58
Local clock offset: -5.498 ms
Remote clock offset: -6.907 ms

# Below is generated by plot.py at 2018-04-04 00:05:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.24 Mbit/s
95th percentile per-packet one-way delay: 36.698 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 36.296 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 36.706 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 36.801 ms
Loss rate: 0.37%
```

Run 5: Report of Verus — Data Link

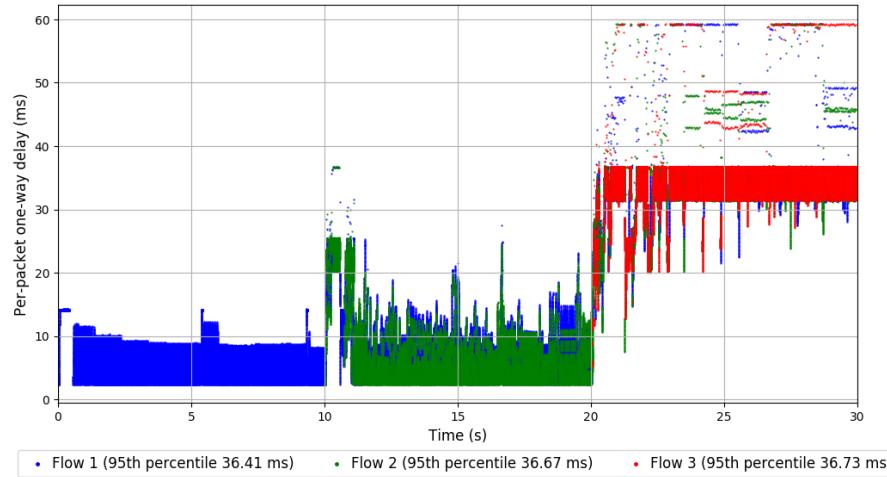
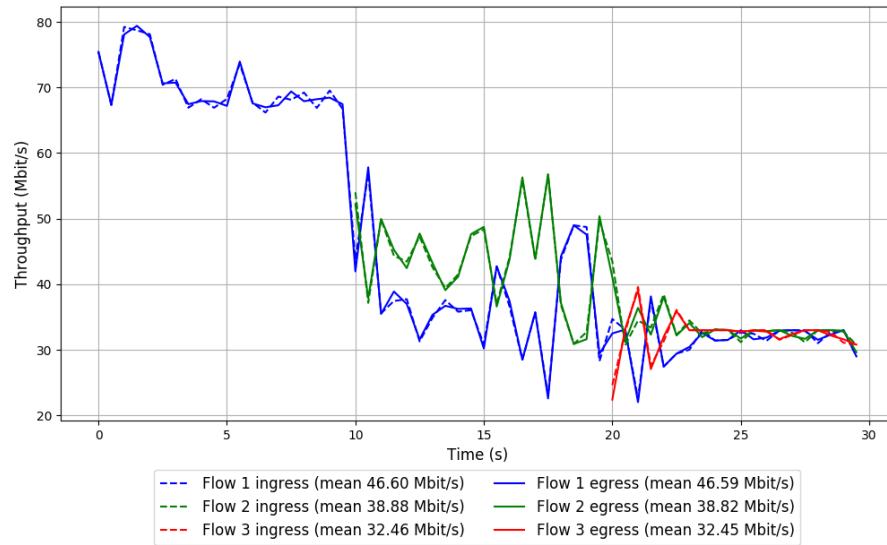


Run 6: Statistics of Verus

```
Start at: 2018-04-03 18:45:55
End at: 2018-04-03 18:46:25
Local clock offset: -5.842 ms
Remote clock offset: -6.457 ms

# Below is generated by plot.py at 2018-04-04 00:05:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.19 Mbit/s
95th percentile per-packet one-way delay: 36.652 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 46.59 Mbit/s
95th percentile per-packet one-way delay: 36.413 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 36.666 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 32.45 Mbit/s
95th percentile per-packet one-way delay: 36.725 ms
Loss rate: 0.35%
```

Run 6: Report of Verus — Data Link

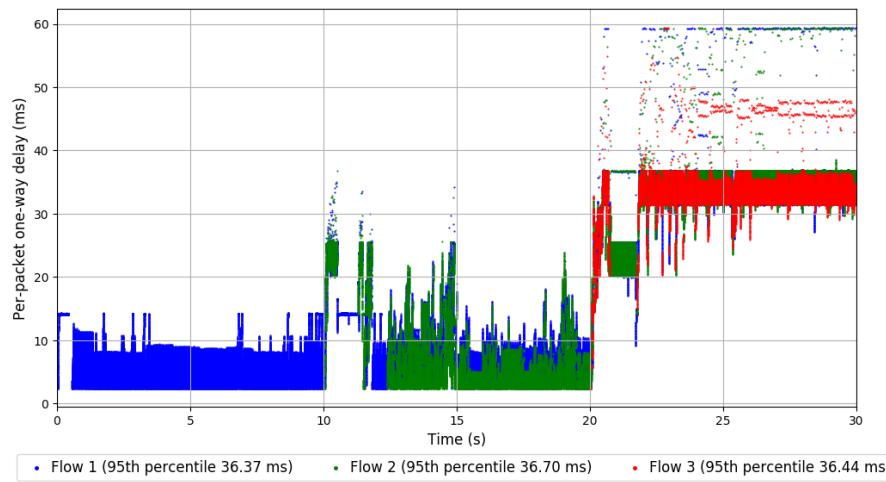
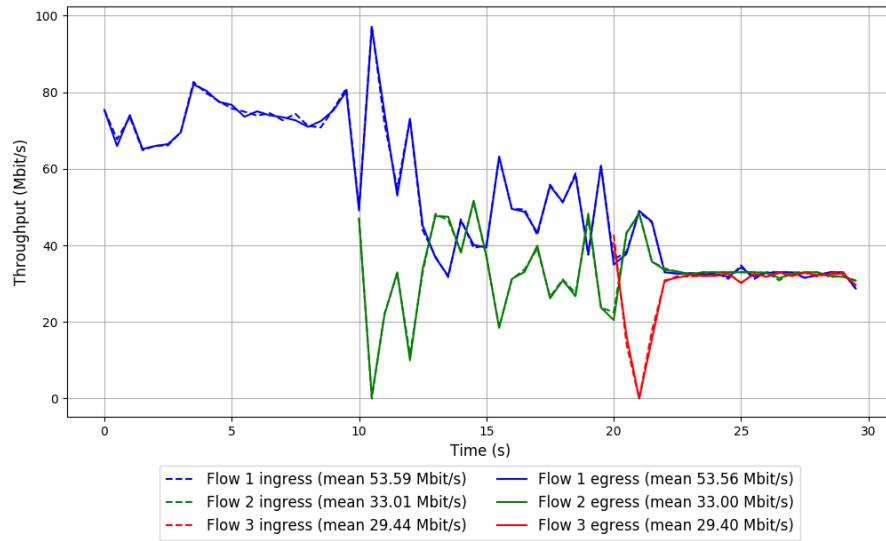


Run 7: Statistics of Verus

```
Start at: 2018-04-03 19:06:19
End at: 2018-04-03 19:06:49
Local clock offset: -6.561 ms
Remote clock offset: -6.562 ms

# Below is generated by plot.py at 2018-04-04 00:05:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.27 Mbit/s
95th percentile per-packet one-way delay: 36.623 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 36.366 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 36.704 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 29.40 Mbit/s
95th percentile per-packet one-way delay: 36.437 ms
Loss rate: 0.39%
```

Run 7: Report of Verus — Data Link

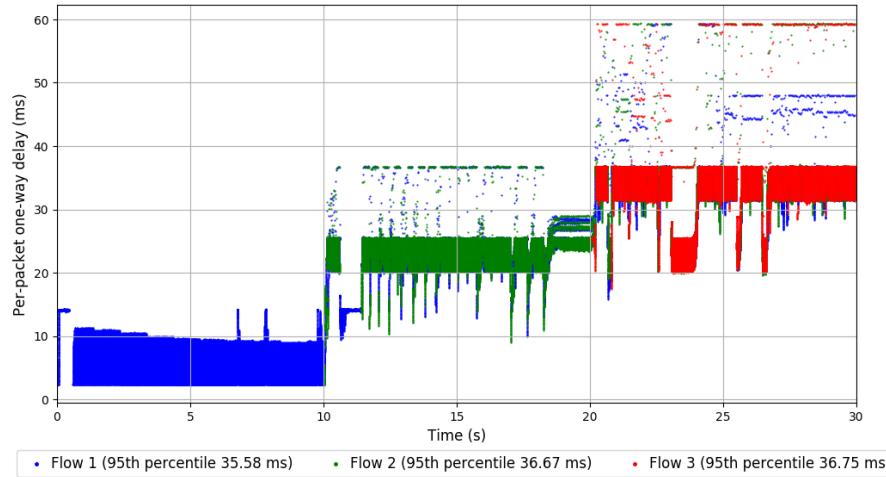
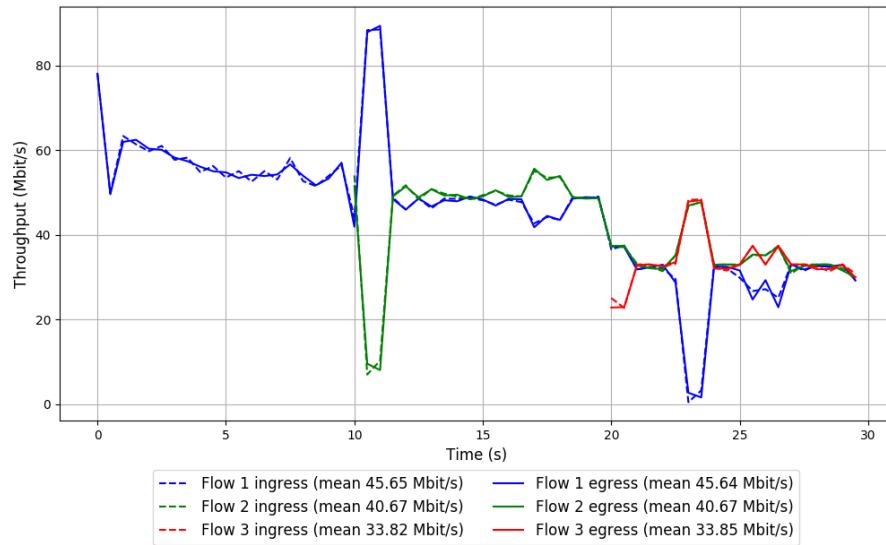


Run 8: Statistics of Verus

```
Start at: 2018-04-03 19:26:43
End at: 2018-04-03 19:27:13
Local clock offset: -6.938 ms
Remote clock offset: -6.894 ms

# Below is generated by plot.py at 2018-04-04 00:05:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 36.657 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 45.64 Mbit/s
95th percentile per-packet one-way delay: 35.583 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 40.67 Mbit/s
95th percentile per-packet one-way delay: 36.670 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 33.85 Mbit/s
95th percentile per-packet one-way delay: 36.752 ms
Loss rate: 0.46%
```

Run 8: Report of Verus — Data Link

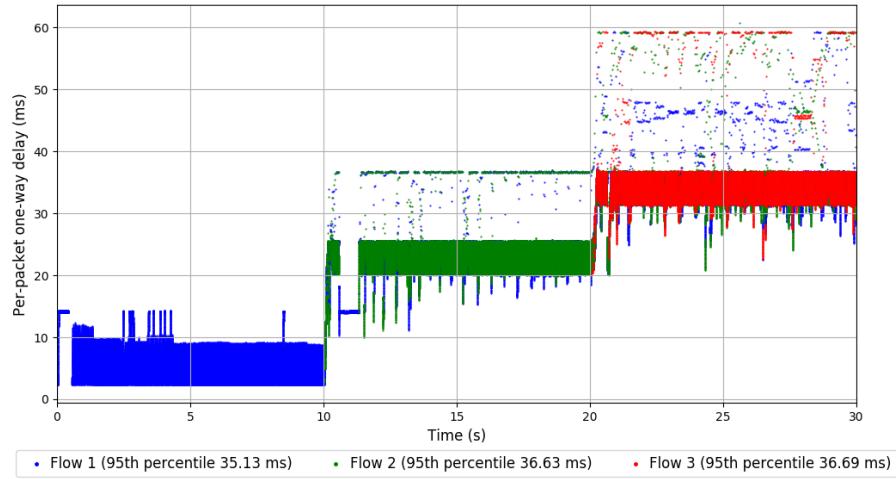
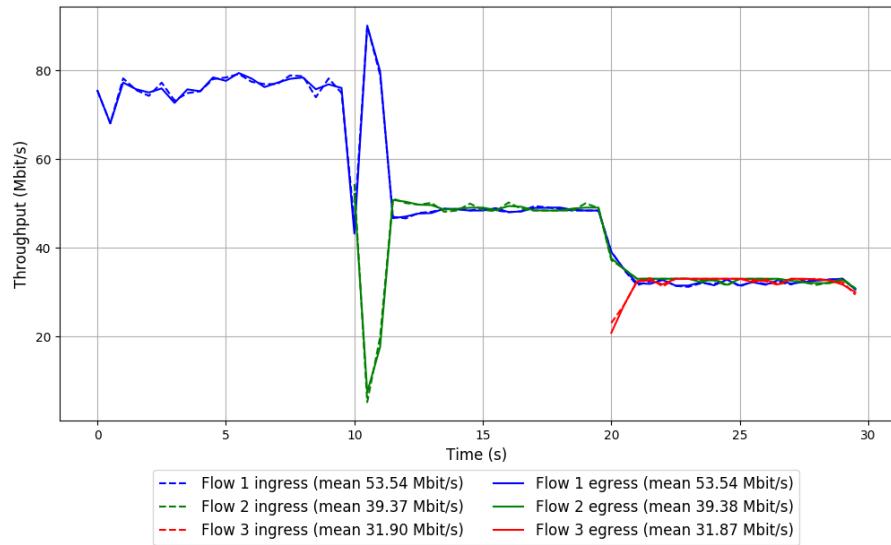


Run 9: Statistics of Verus

```
Start at: 2018-04-03 19:47:07
End at: 2018-04-03 19:47:37
Local clock offset: -6.712 ms
Remote clock offset: -6.953 ms

# Below is generated by plot.py at 2018-04-04 00:06:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 36.584 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 35.134 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 36.626 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 36.693 ms
Loss rate: 0.35%
```

Run 9: Report of Verus — Data Link

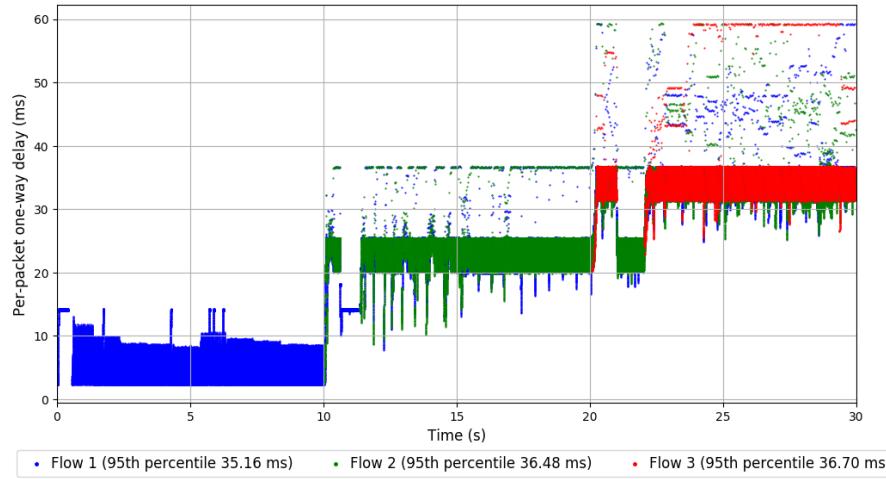
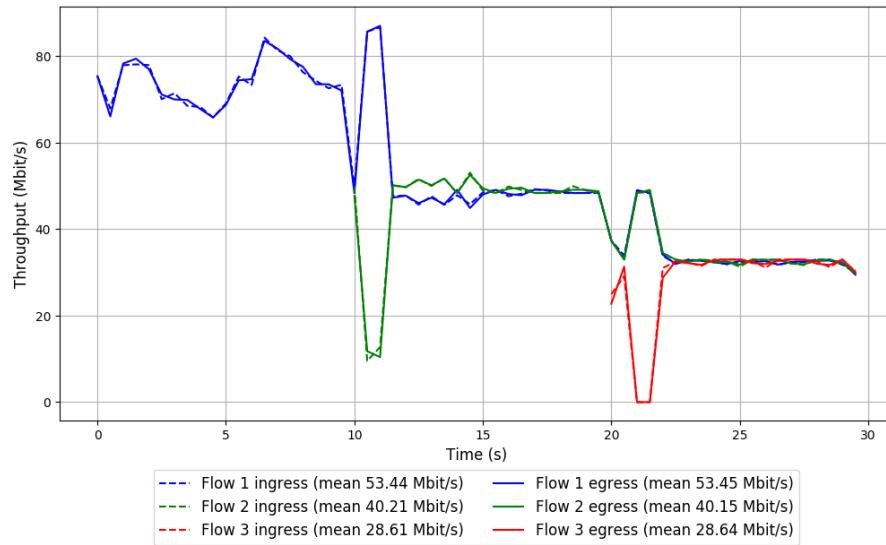


Run 10: Statistics of Verus

```
Start at: 2018-04-03 20:07:30
End at: 2018-04-03 20:08:00
Local clock offset: -6.341 ms
Remote clock offset: -6.995 ms

# Below is generated by plot.py at 2018-04-04 00:06:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.64 Mbit/s
95th percentile per-packet one-way delay: 36.527 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 53.45 Mbit/s
95th percentile per-packet one-way delay: 35.163 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 40.15 Mbit/s
95th percentile per-packet one-way delay: 36.485 ms
Loss rate: 0.18%
-- Flow 3:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 36.698 ms
Loss rate: 0.39%
```

Run 10: Report of Verus — Data Link

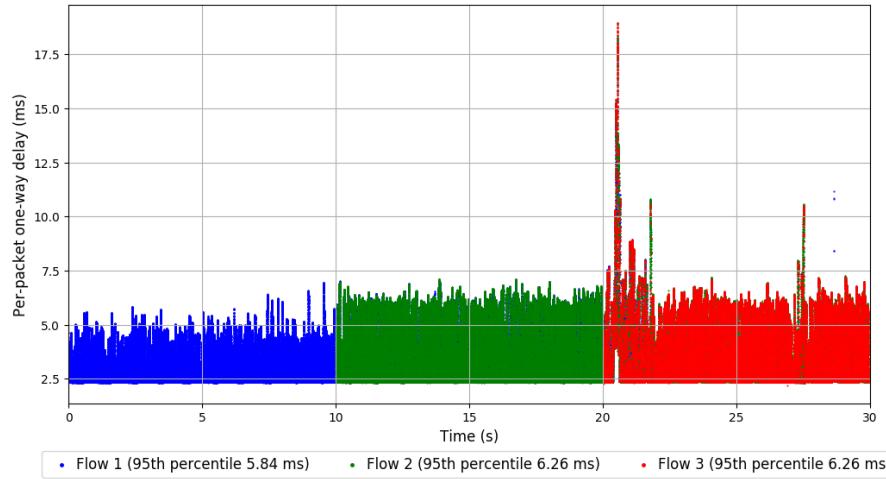
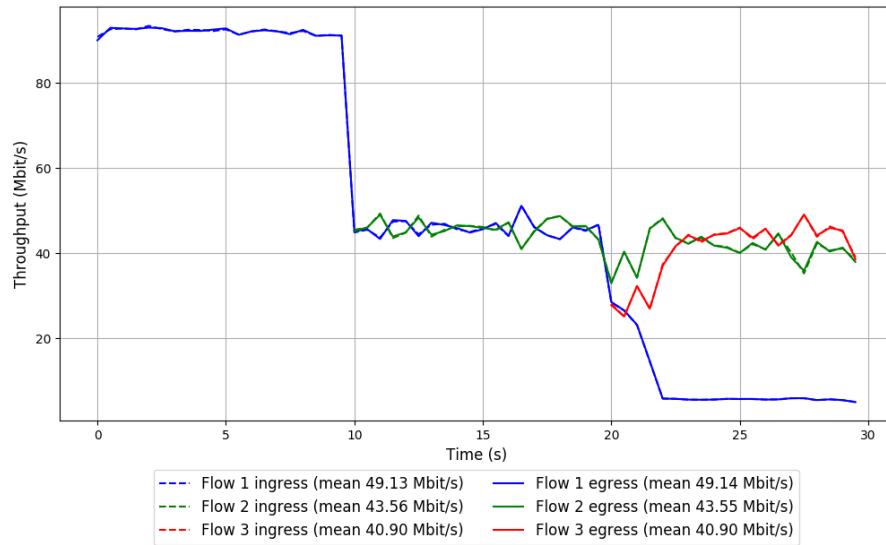


Run 1: Statistics of Copa

```
Start at: 2018-04-03 17:16:12
End at: 2018-04-03 17:16:42
Local clock offset: -7.057 ms
Remote clock offset: -6.615 ms

# Below is generated by plot.py at 2018-04-04 00:07:47
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 6.080 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.55 Mbit/s
95th percentile per-packet one-way delay: 6.262 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 6.262 ms
Loss rate: 0.09%
```

Run 1: Report of Copa — Data Link

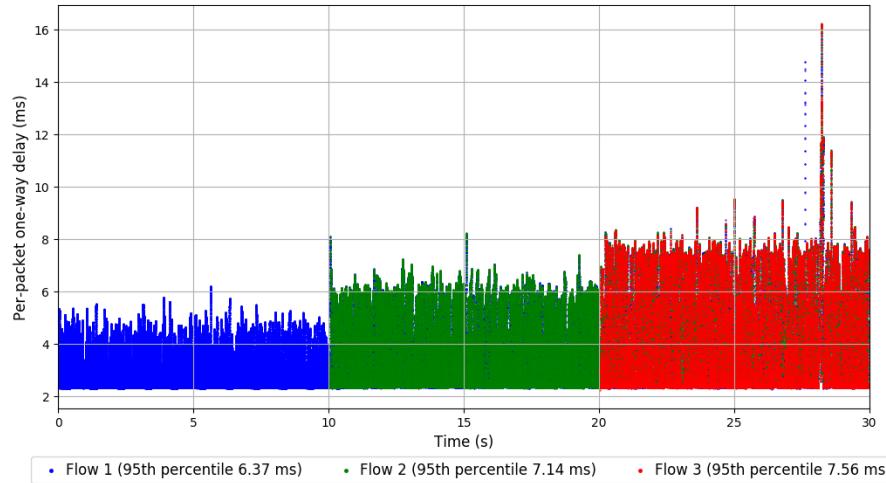
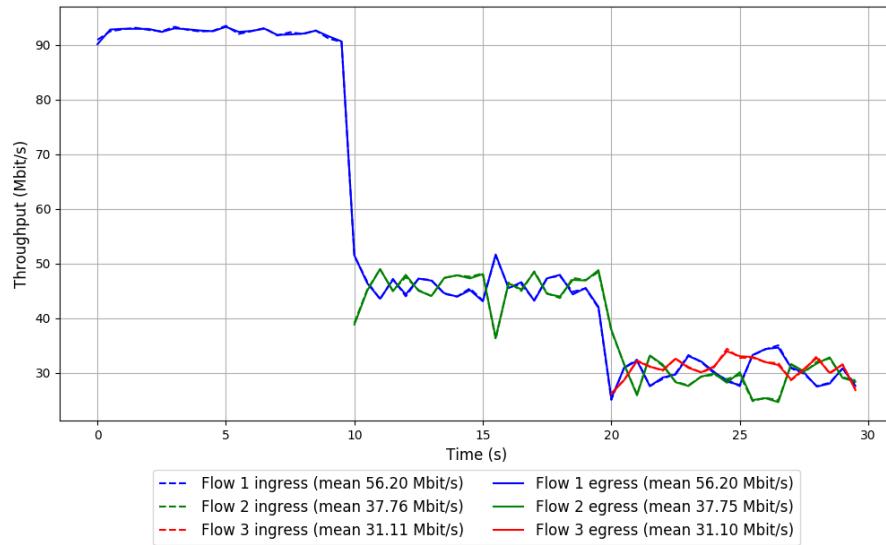


Run 2: Statistics of Copa

```
Start at: 2018-04-03 17:36:37
End at: 2018-04-03 17:37:07
Local clock offset: -7.311 ms
Remote clock offset: -6.67 ms

# Below is generated by plot.py at 2018-04-04 00:07:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.59 Mbit/s
95th percentile per-packet one-way delay: 6.998 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.20 Mbit/s
95th percentile per-packet one-way delay: 6.366 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 7.144 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 7.557 ms
Loss rate: 0.09%
```

Run 2: Report of Copa — Data Link

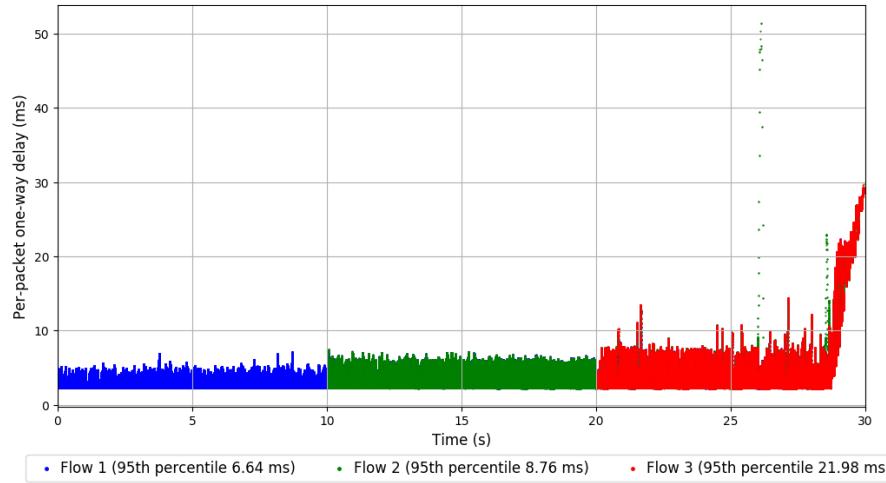
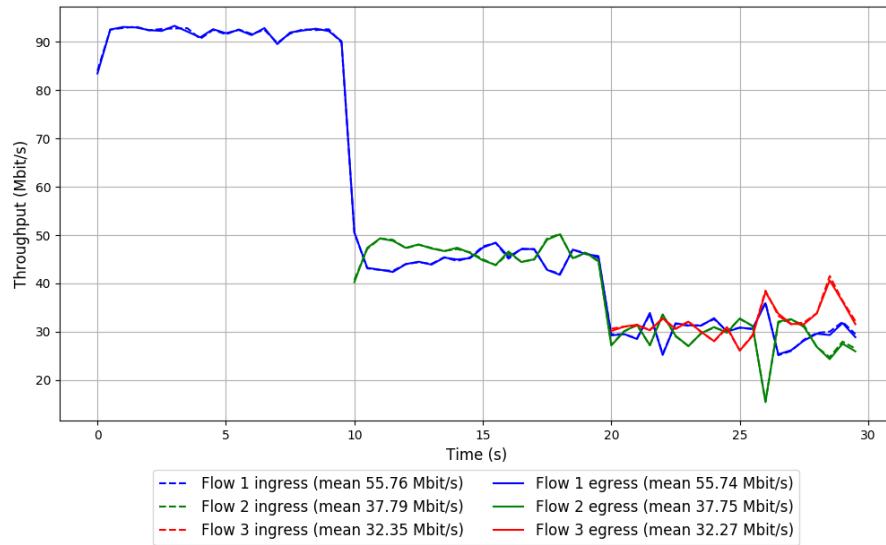


Run 3: Statistics of Copa

```
Start at: 2018-04-03 17:57:04
End at: 2018-04-03 17:57:34
Local clock offset: -6.248 ms
Remote clock offset: -6.738 ms

# Below is generated by plot.py at 2018-04-04 00:08:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.52 Mbit/s
95th percentile per-packet one-way delay: 7.834 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 55.74 Mbit/s
95th percentile per-packet one-way delay: 6.644 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 8.759 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 21.981 ms
Loss rate: 0.33%
```

Run 3: Report of Copa — Data Link

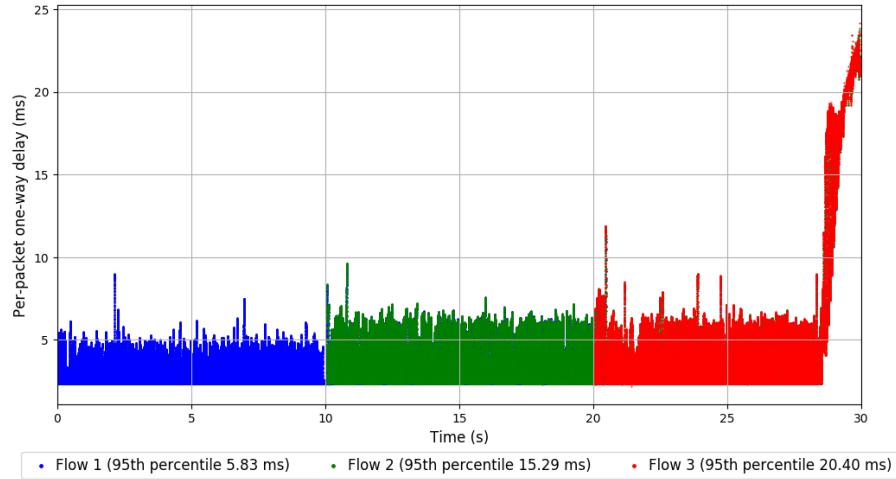
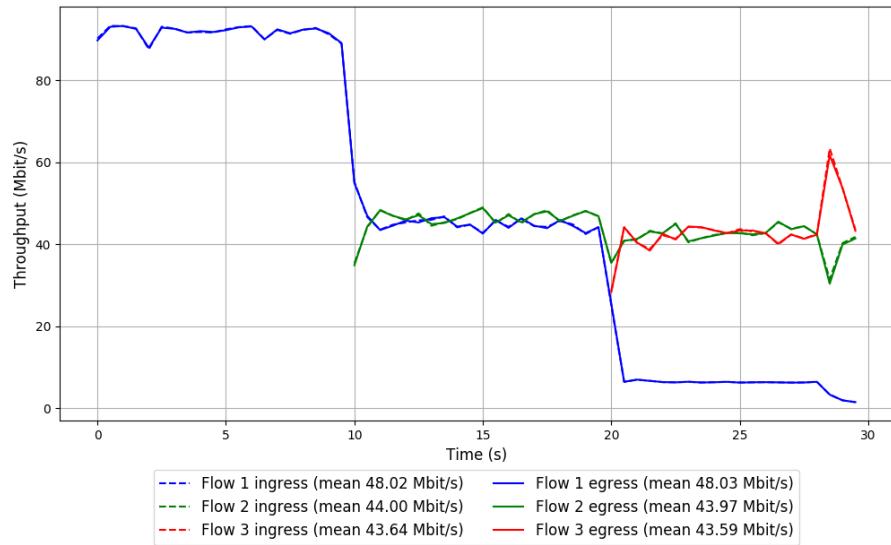


Run 4: Statistics of Copa

```
Start at: 2018-04-03 18:17:29
End at: 2018-04-03 18:17:59
Local clock offset: -5.265 ms
Remote clock offset: -6.904 ms

# Below is generated by plot.py at 2018-04-04 00:08:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 7.387 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 5.833 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 43.97 Mbit/s
95th percentile per-packet one-way delay: 15.293 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 20.396 ms
Loss rate: 0.27%
```

Run 4: Report of Copa — Data Link

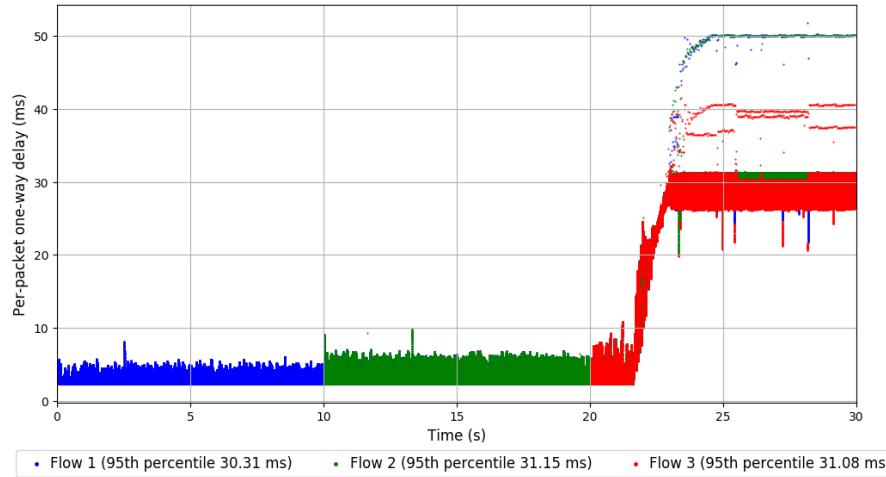
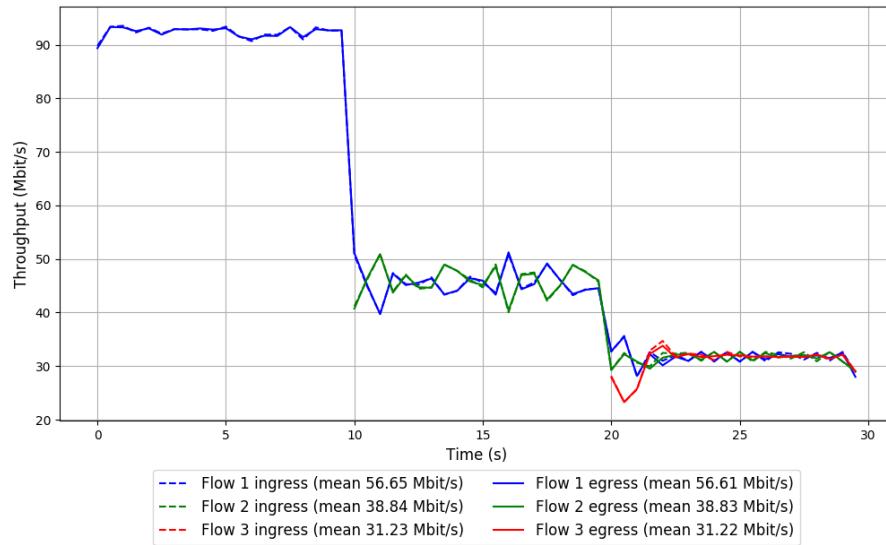


Run 5: Statistics of Copa

```
Start at: 2018-04-03 18:37:56
End at: 2018-04-03 18:38:26
Local clock offset: -5.852 ms
Remote clock offset: -6.546 ms

# Below is generated by plot.py at 2018-04-04 00:08:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 31.053 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 56.61 Mbit/s
95th percentile per-packet one-way delay: 30.307 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 38.83 Mbit/s
95th percentile per-packet one-way delay: 31.153 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 31.082 ms
Loss rate: 0.30%
```

Run 5: Report of Copa — Data Link

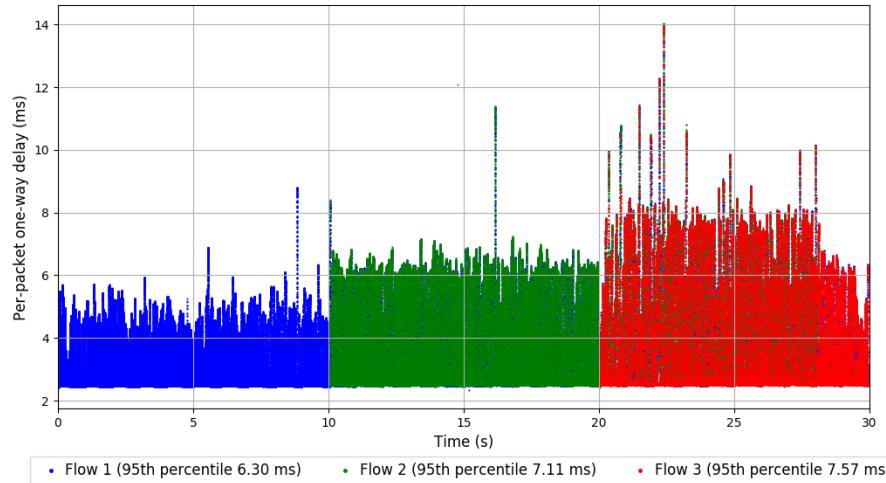
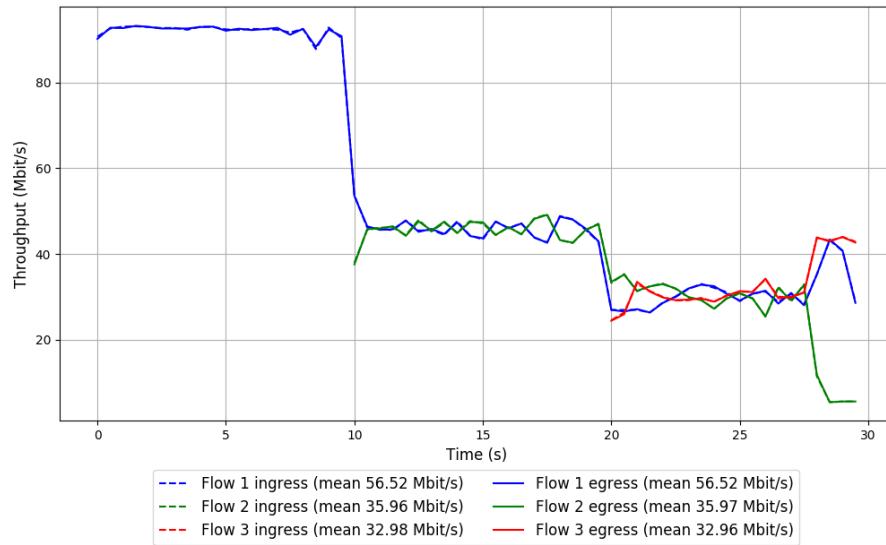


Run 6: Statistics of Copa

```
Start at: 2018-04-03 18:58:21
End at: 2018-04-03 18:58:51
Local clock offset: -6.096 ms
Remote clock offset: -6.385 ms

# Below is generated by plot.py at 2018-04-04 00:08:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 6.846 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.52 Mbit/s
95th percentile per-packet one-way delay: 6.300 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.97 Mbit/s
95th percentile per-packet one-way delay: 7.112 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 7.568 ms
Loss rate: 0.08%
```

Run 6: Report of Copa — Data Link

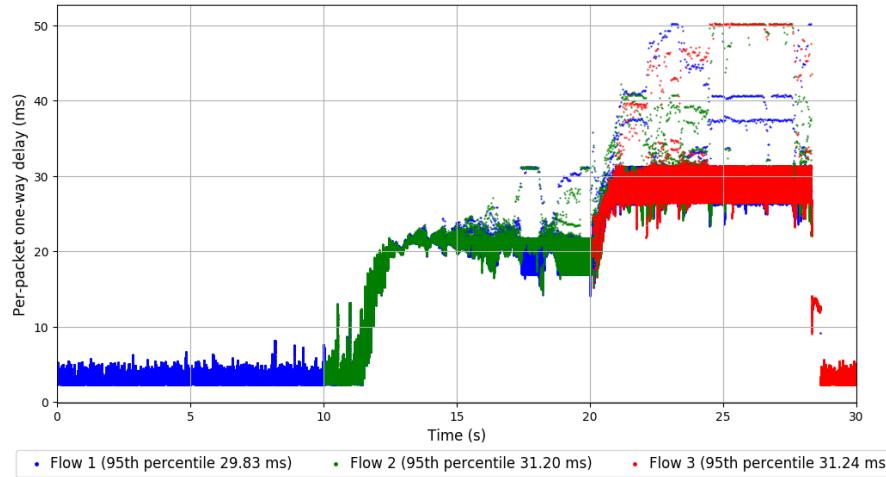
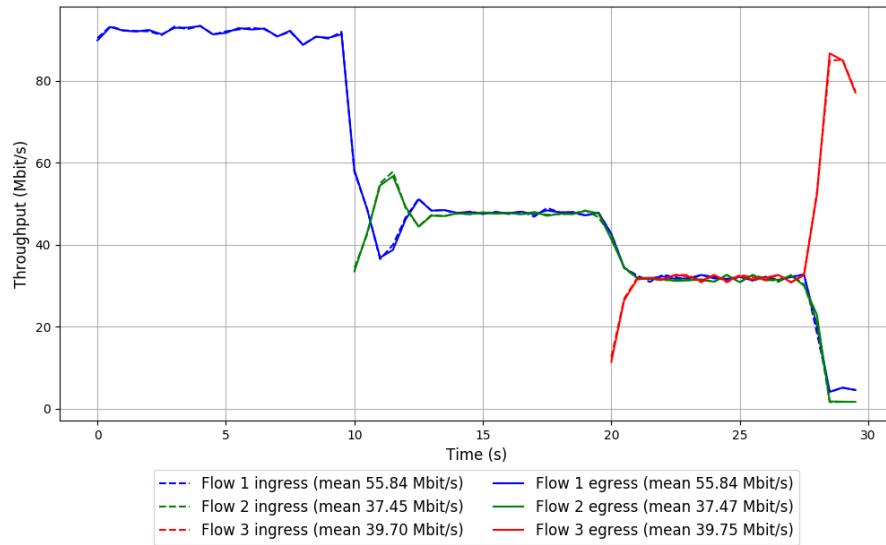


Run 7: Statistics of Copa

```
Start at: 2018-04-03 19:18:45
End at: 2018-04-03 19:19:15
Local clock offset: -6.852 ms
Remote clock offset: -6.821 ms

# Below is generated by plot.py at 2018-04-04 00:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 31.119 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.84 Mbit/s
95th percentile per-packet one-way delay: 29.829 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 31.195 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 31.239 ms
Loss rate: 0.13%
```

Run 7: Report of Copa — Data Link

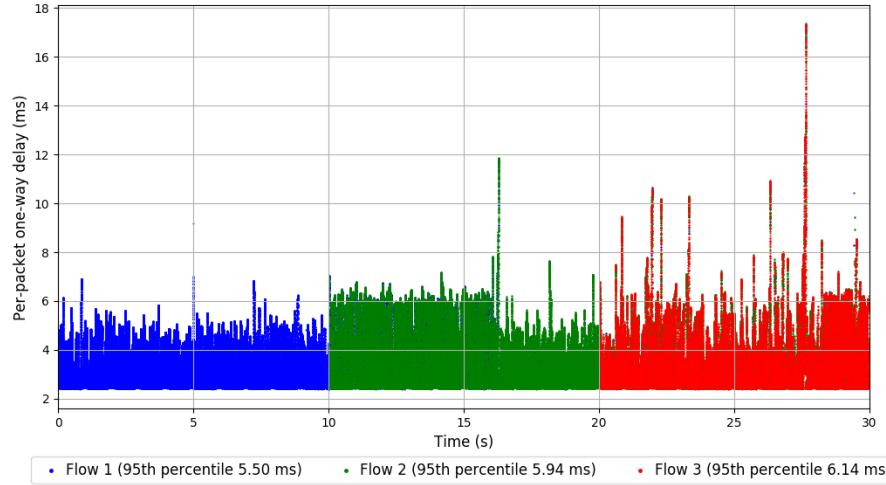
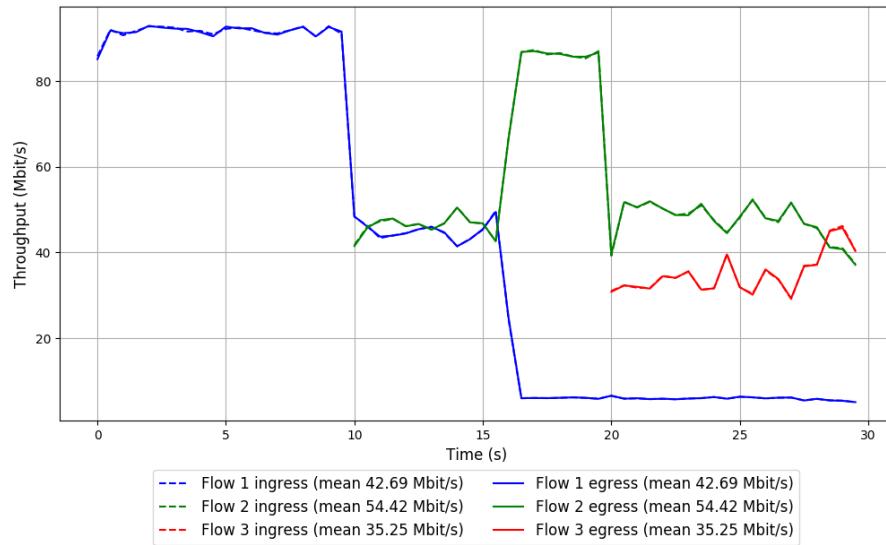


Run 8: Statistics of Copa

```
Start at: 2018-04-03 19:39:10
End at: 2018-04-03 19:39:40
Local clock offset: -6.704 ms
Remote clock offset: -6.977 ms

# Below is generated by plot.py at 2018-04-04 00:08:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 5.807 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 42.69 Mbit/s
95th percentile per-packet one-way delay: 5.497 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 5.937 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 6.136 ms
Loss rate: 0.11%
```

Run 8: Report of Copa — Data Link

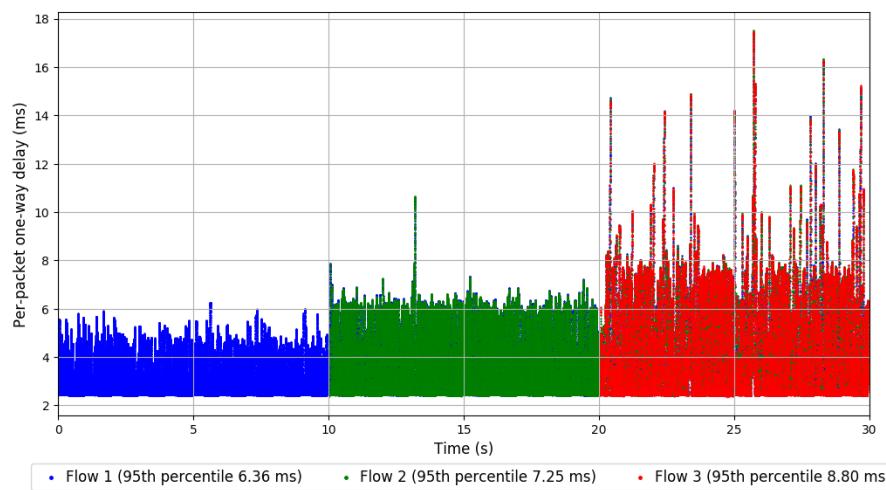
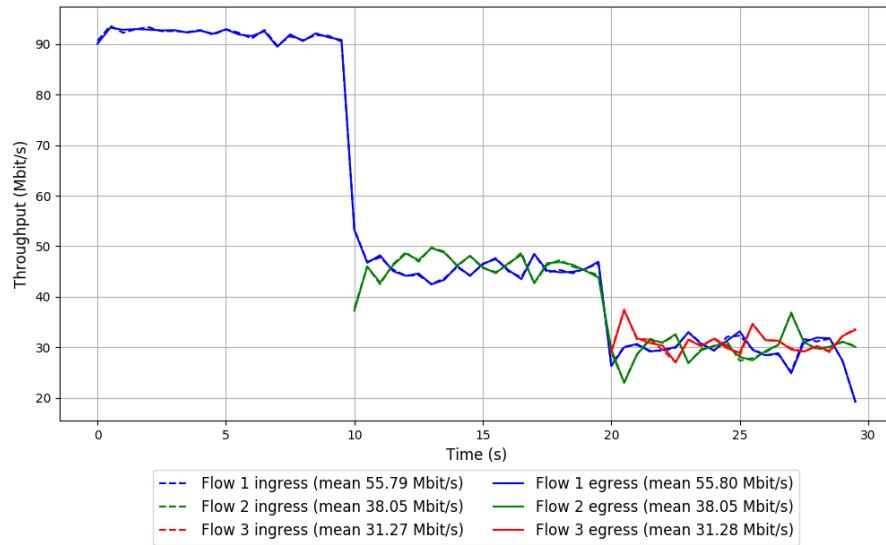


Run 9: Statistics of Copa

```
Start at: 2018-04-03 19:59:33
End at: 2018-04-03 20:00:03
Local clock offset: -6.625 ms
Remote clock offset: -7.032 ms

# Below is generated by plot.py at 2018-04-04 00:10:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 7.092 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 6.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 7.246 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 31.28 Mbit/s
95th percentile per-packet one-way delay: 8.801 ms
Loss rate: 0.07%
```

Run 9: Report of Copa — Data Link

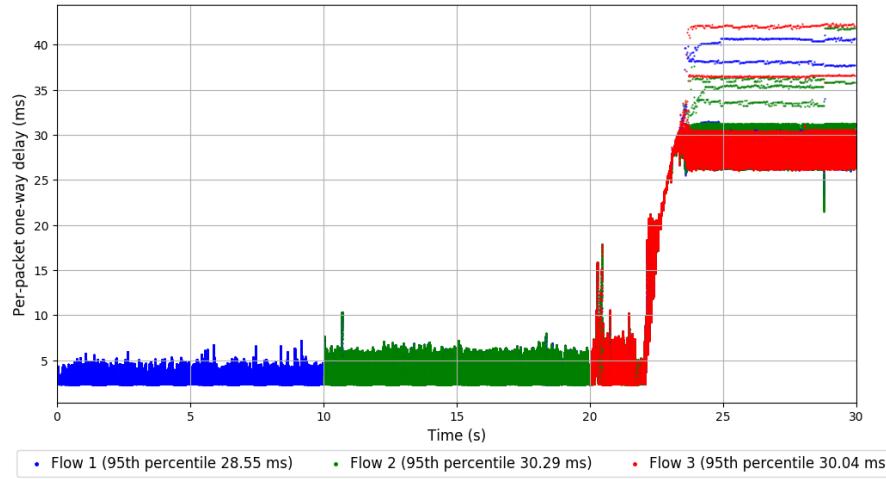
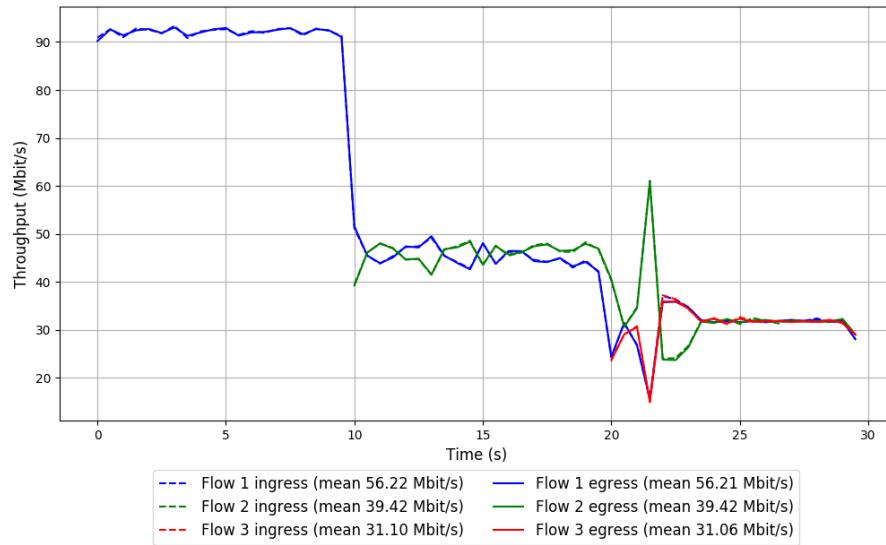


Run 10: Statistics of Copa

```
Start at: 2018-04-03 20:19:57
End at: 2018-04-03 20:20:27
Local clock offset: -5.874 ms
Remote clock offset: -6.882 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 29.326 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 28.554 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.42 Mbit/s
95th percentile per-packet one-way delay: 30.285 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 31.06 Mbit/s
95th percentile per-packet one-way delay: 30.040 ms
Loss rate: 0.30%
```

Run 10: Report of Copa — Data Link

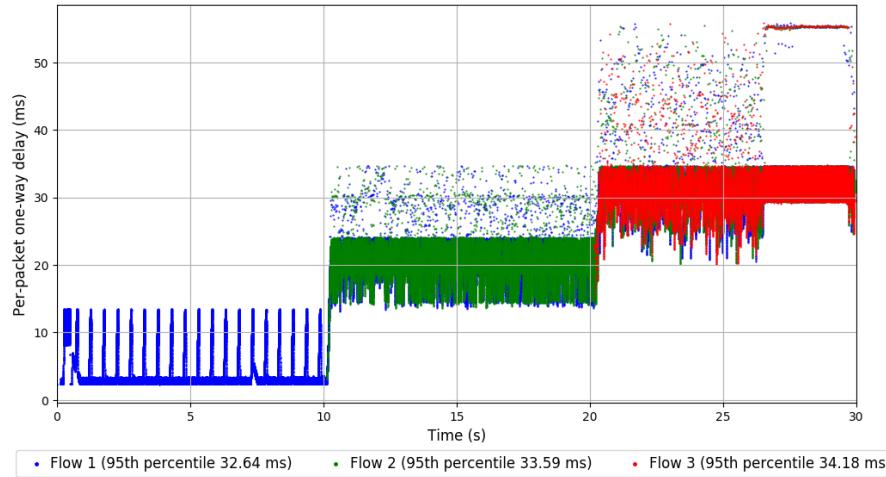
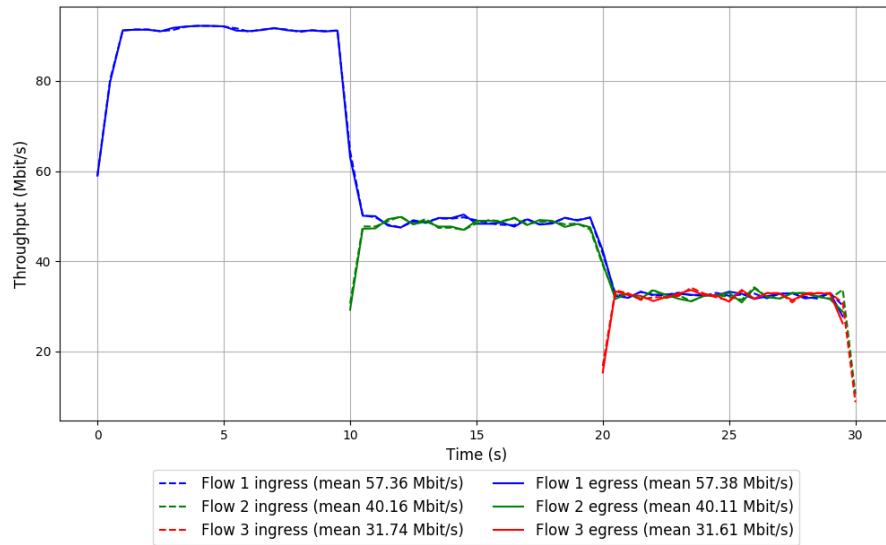


```
Run 1: Statistics of FillP

Start at: 2018-04-03 17:04:55
End at: 2018-04-03 17:05:25
Local clock offset: -6.873 ms
Remote clock offset: -6.803 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 33.416 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 32.637 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 33.593 ms
Loss rate: 1.08%
-- Flow 3:
Average throughput: 31.61 Mbit/s
95th percentile per-packet one-way delay: 34.178 ms
Loss rate: 2.43%
```

Run 1: Report of FillP — Data Link

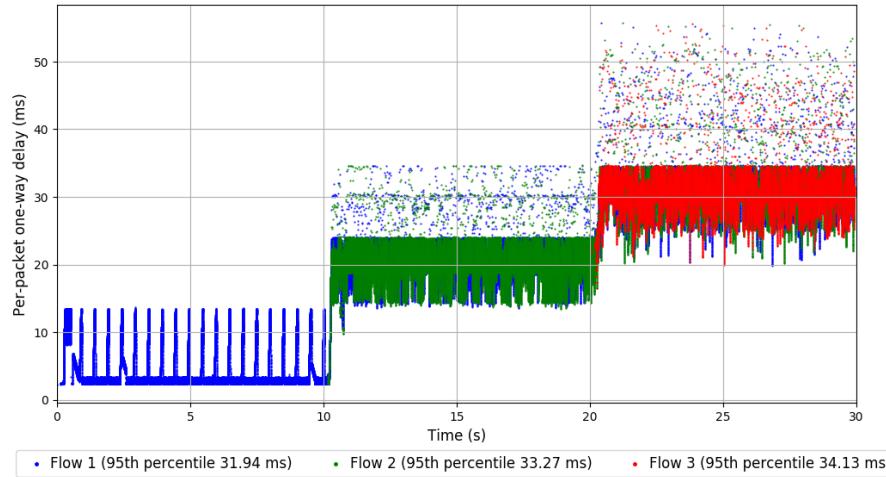
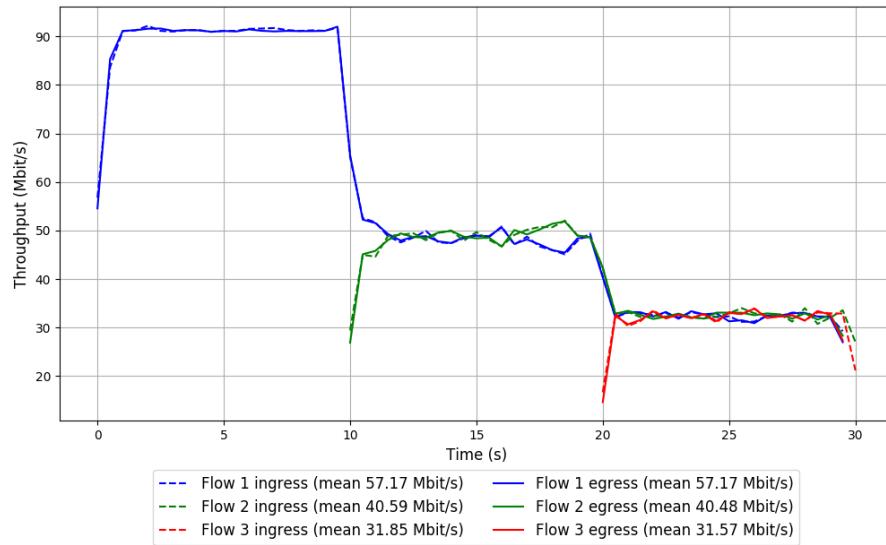


Run 2: Statistics of FillP

```
Start at: 2018-04-03 17:25:19
End at: 2018-04-03 17:25:49
Local clock offset: -7.196 ms
Remote clock offset: -6.68 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.51 Mbit/s
95th percentile per-packet one-way delay: 33.031 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 57.17 Mbit/s
95th percentile per-packet one-way delay: 31.938 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.48 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 2.03%
-- Flow 3:
Average throughput: 31.57 Mbit/s
95th percentile per-packet one-way delay: 34.132 ms
Loss rate: 4.40%
```

Run 2: Report of FillP — Data Link

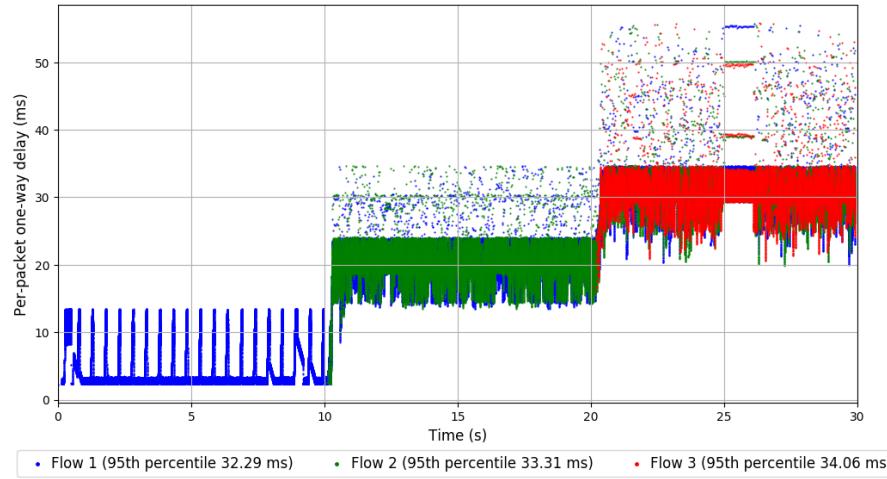
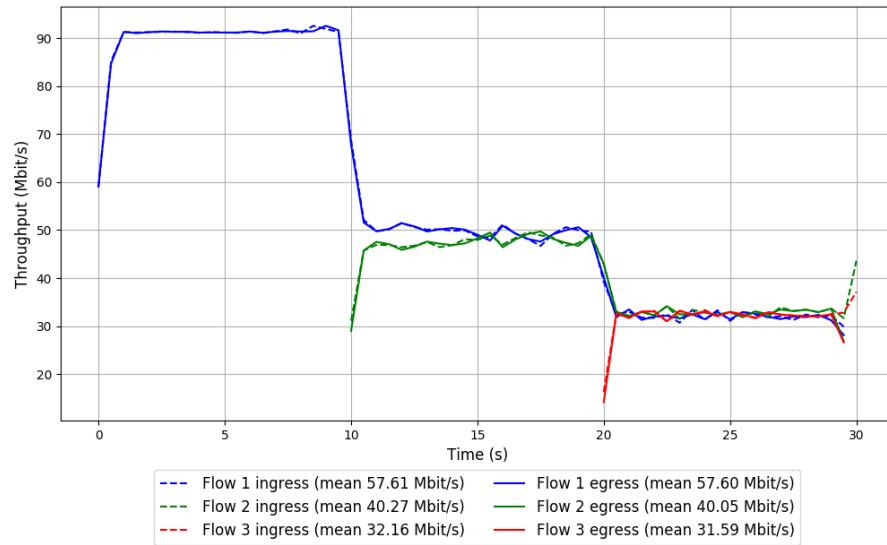


Run 3: Statistics of FillP

```
Start at: 2018-04-03 17:45:46
End at: 2018-04-03 17:46:16
Local clock offset: -7.435 ms
Remote clock offset: -6.667 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 33.150 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 32.287 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.05 Mbit/s
95th percentile per-packet one-way delay: 33.306 ms
Loss rate: 3.07%
-- Flow 3:
Average throughput: 31.59 Mbit/s
95th percentile per-packet one-way delay: 34.065 ms
Loss rate: 6.79%
```

Run 3: Report of FillP — Data Link

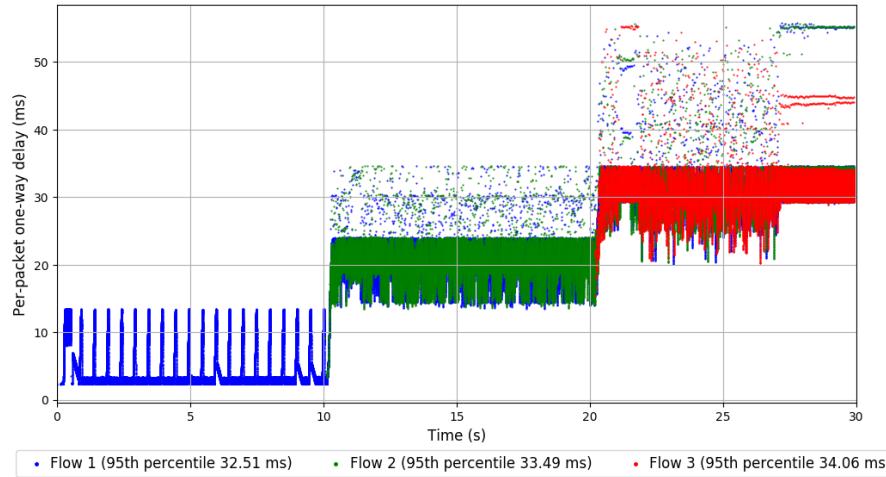
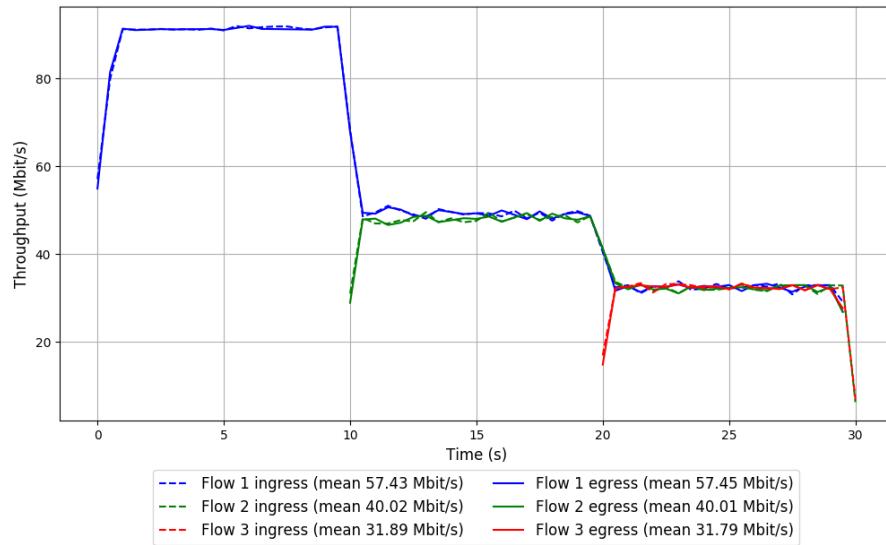


Run 4: Statistics of FillP

```
Start at: 2018-04-03 18:06:11
End at: 2018-04-03 18:06:41
Local clock offset: -5.669 ms
Remote clock offset: -6.832 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 33.274 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 57.45 Mbit/s
95th percentile per-packet one-way delay: 32.505 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.01 Mbit/s
95th percentile per-packet one-way delay: 33.489 ms
Loss rate: 0.89%
-- Flow 3:
Average throughput: 31.79 Mbit/s
95th percentile per-packet one-way delay: 34.058 ms
Loss rate: 2.16%
```

Run 4: Report of FillP — Data Link

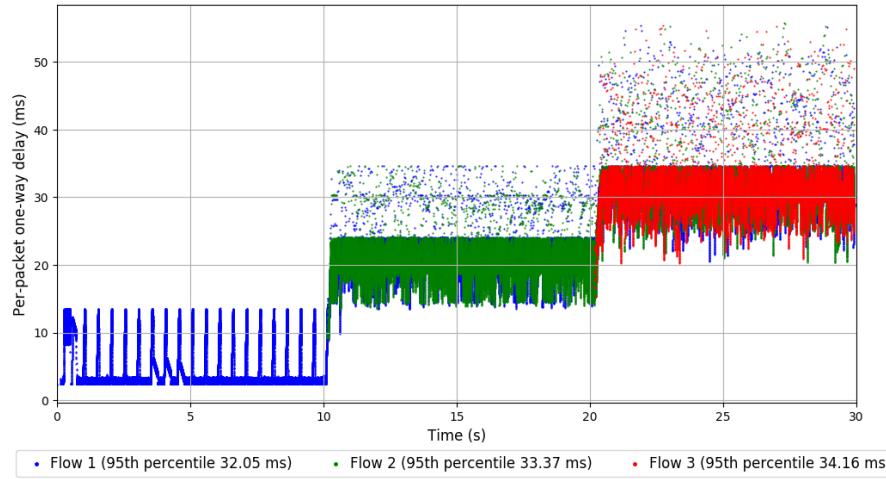
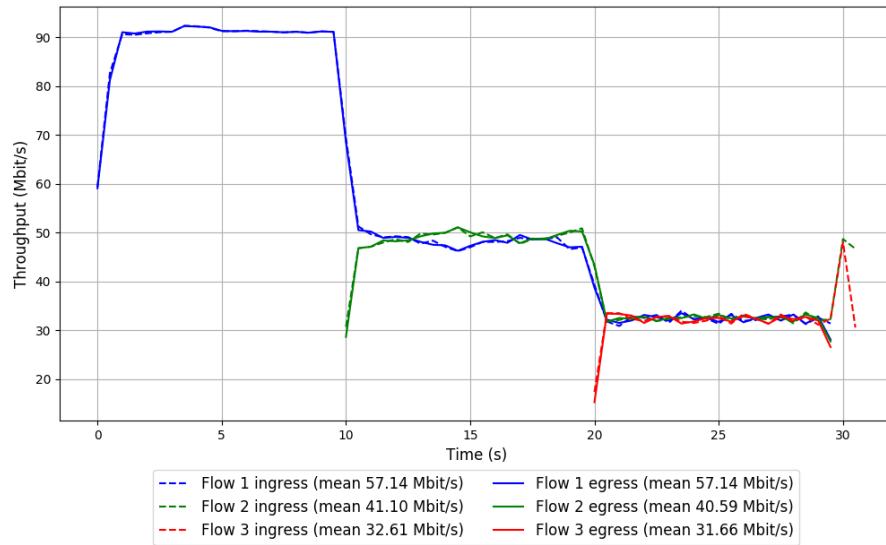


Run 5: Statistics of FillP

```
Start at: 2018-04-03 18:26:37
End at: 2018-04-03 18:27:07
Local clock offset: -5.567 ms
Remote clock offset: -6.916 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.60 Mbit/s
95th percentile per-packet one-way delay: 33.123 ms
Loss rate: 3.28%
-- Flow 1:
Average throughput: 57.14 Mbit/s
95th percentile per-packet one-way delay: 32.047 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 40.59 Mbit/s
95th percentile per-packet one-way delay: 33.373 ms
Loss rate: 5.91%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 34.156 ms
Loss rate: 12.05%
```

Run 5: Report of FillP — Data Link

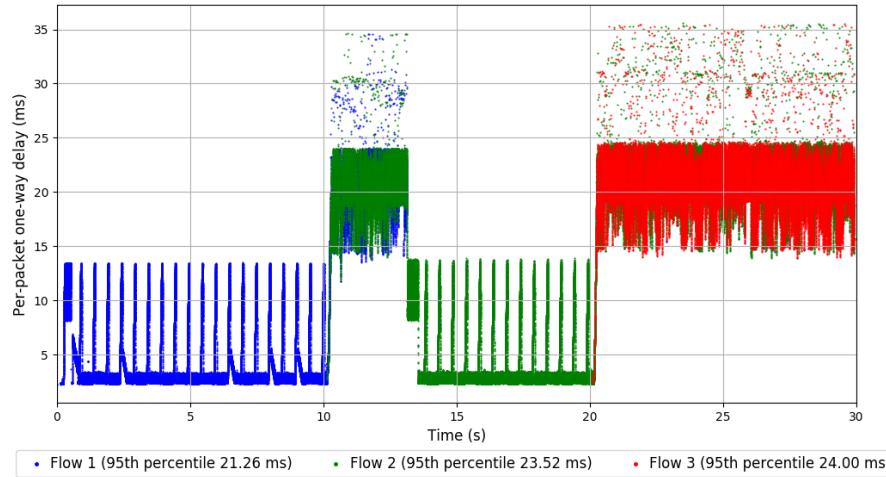
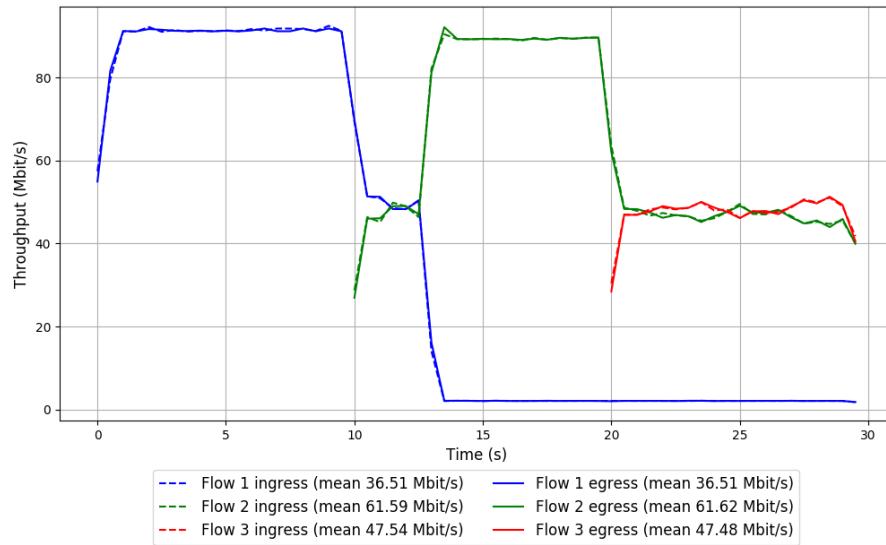


Run 6: Statistics of FillP

```
Start at: 2018-04-03 18:47:04
End at: 2018-04-03 18:47:34
Local clock offset: -5.839 ms
Remote clock offset: -6.428 ms

# Below is generated by plot.py at 2018-04-04 00:10:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 23.365 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 36.51 Mbit/s
95th percentile per-packet one-way delay: 21.258 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 23.523 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 47.48 Mbit/s
95th percentile per-packet one-way delay: 24.003 ms
Loss rate: 0.32%
```

Run 6: Report of FillP — Data Link

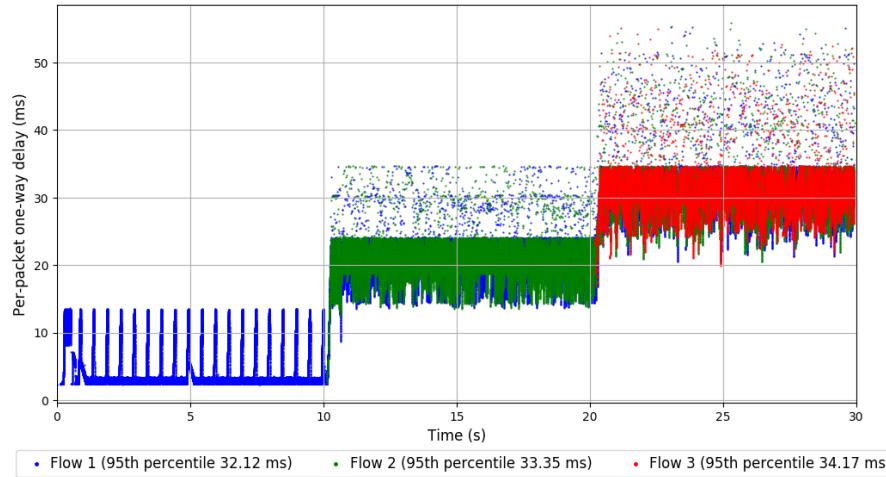
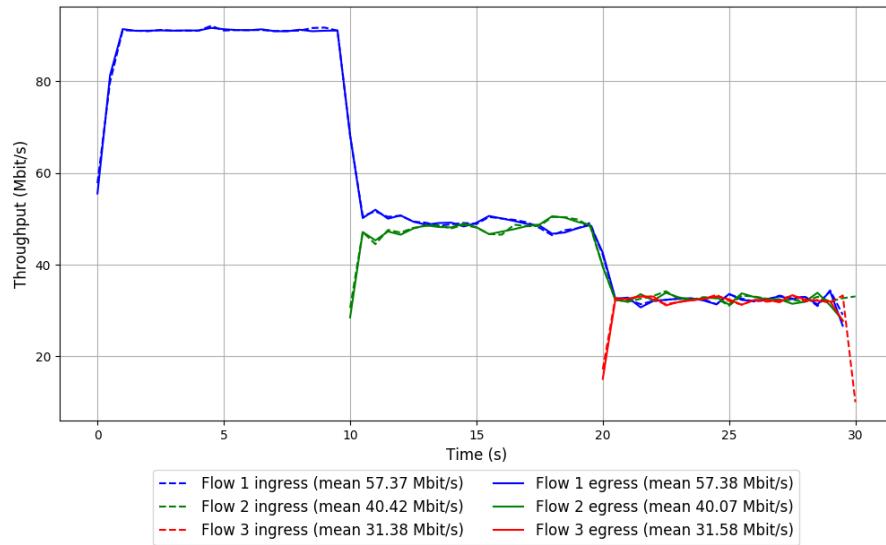


Run 7: Statistics of FillP

```
Start at: 2018-04-03 19:07:28
End at: 2018-04-03 19:07:58
Local clock offset: -6.609 ms
Remote clock offset: -6.604 ms

# Below is generated by plot.py at 2018-04-04 00:11:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 33.126 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 57.38 Mbit/s
95th percentile per-packet one-way delay: 32.118 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 40.07 Mbit/s
95th percentile per-packet one-way delay: 33.350 ms
Loss rate: 2.44%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 34.169 ms
Loss rate: 2.66%
```

Run 7: Report of FillP — Data Link

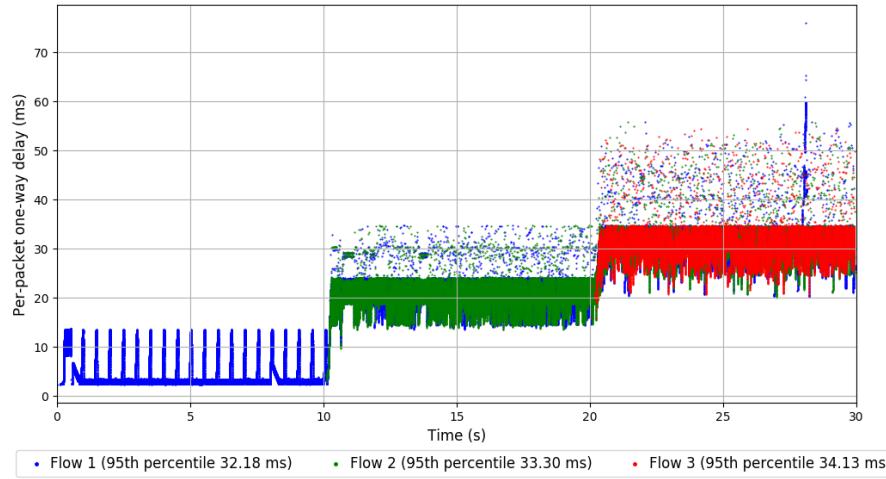
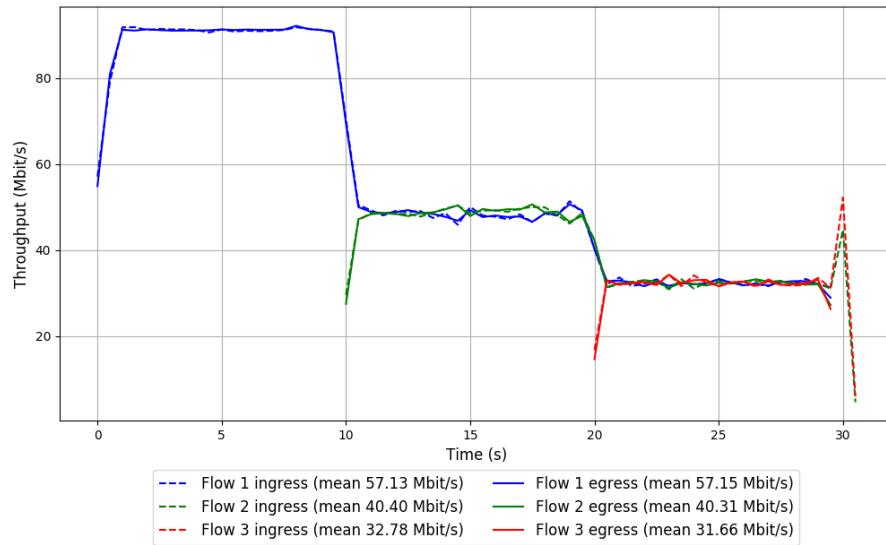


Run 8: Statistics of FillP

```
Start at: 2018-04-03 19:27:52
End at: 2018-04-03 19:28:22
Local clock offset: -6.972 ms
Remote clock offset: -6.906 ms

# Below is generated by plot.py at 2018-04-04 00:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 33.116 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 32.178 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.31 Mbit/s
95th percentile per-packet one-way delay: 33.300 ms
Loss rate: 3.36%
-- Flow 3:
Average throughput: 31.66 Mbit/s
95th percentile per-packet one-way delay: 34.133 ms
Loss rate: 9.43%
```

Run 8: Report of FillP — Data Link

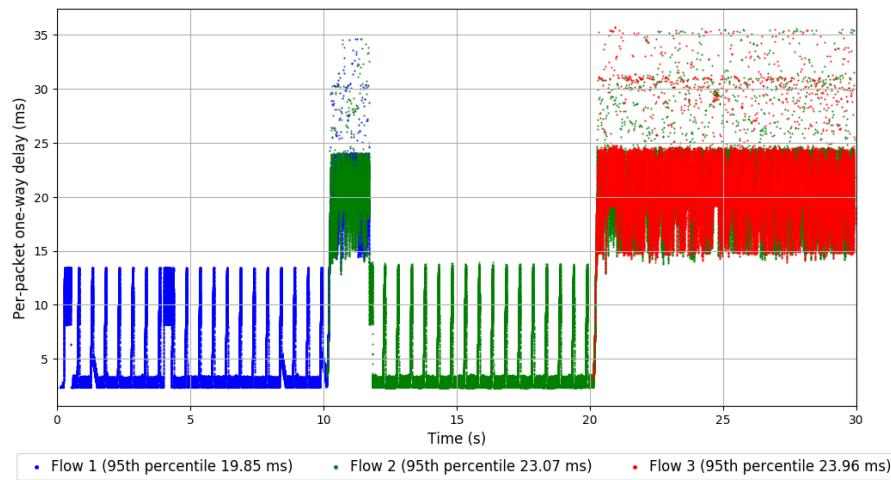
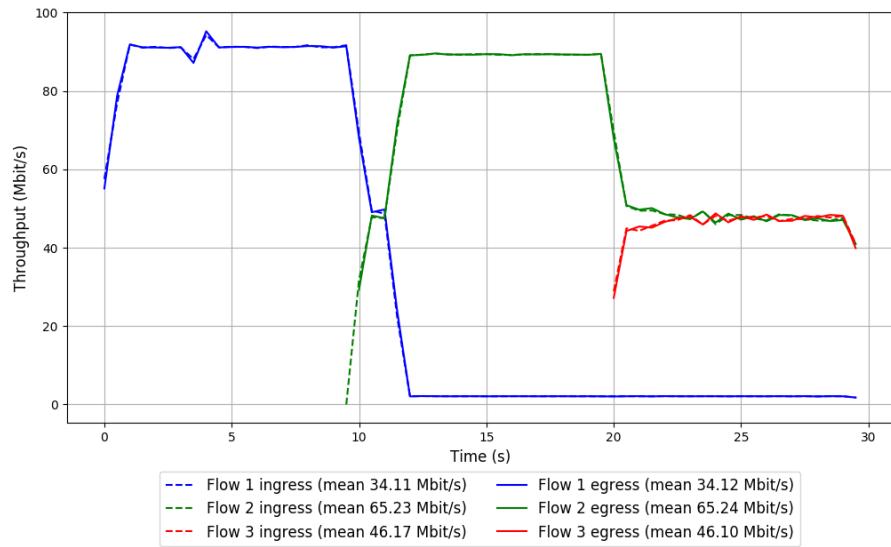


Run 9: Statistics of FillP

```
Start at: 2018-04-03 19:48:16
End at: 2018-04-03 19:48:46
Local clock offset: -6.642 ms
Remote clock offset: -6.942 ms

# Below is generated by plot.py at 2018-04-04 00:11:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 23.086 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 19.849 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 23.065 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 46.10 Mbit/s
95th percentile per-packet one-way delay: 23.965 ms
Loss rate: 0.26%
```

Run 9: Report of FillP — Data Link

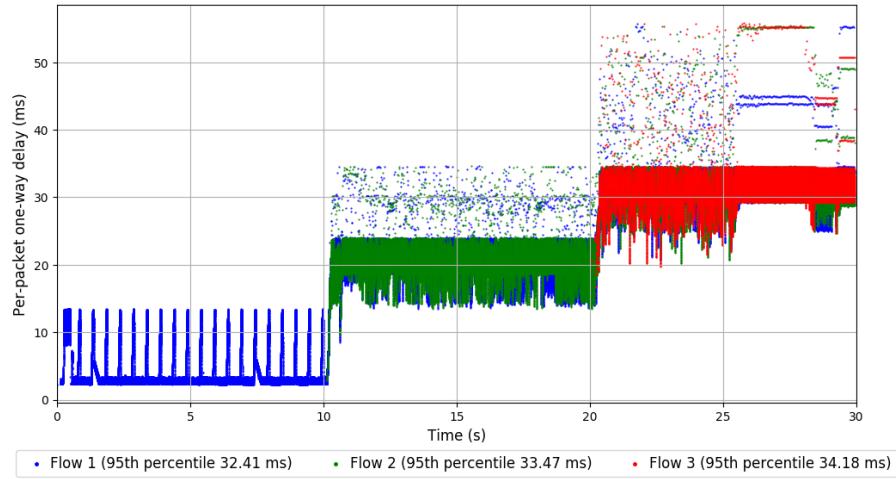
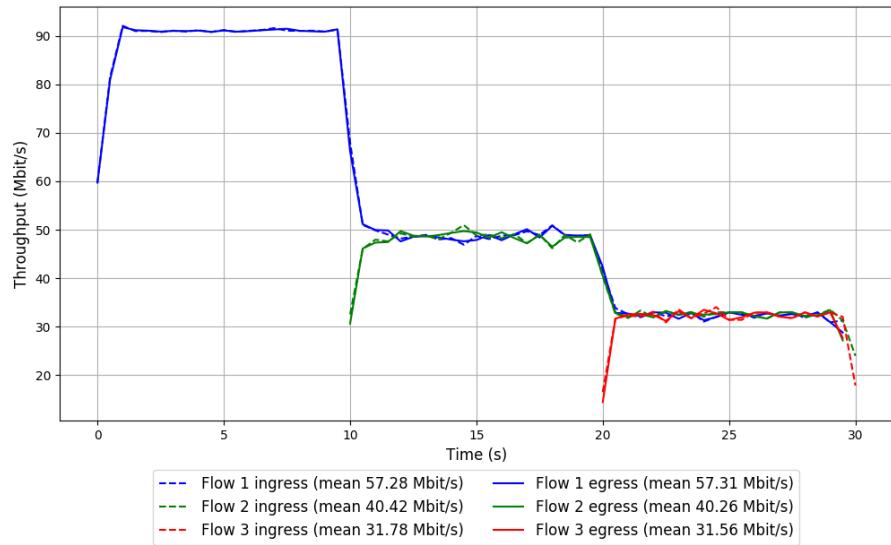


Run 10: Statistics of FillP

```
Start at: 2018-04-03 20:08:39
End at: 2018-04-03 20:09:09
Local clock offset: -6.349 ms
Remote clock offset: -7.051 ms

# Below is generated by plot.py at 2018-04-04 00:11:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.52 Mbit/s
95th percentile per-packet one-way delay: 33.304 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 57.31 Mbit/s
95th percentile per-packet one-way delay: 32.413 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 40.26 Mbit/s
95th percentile per-packet one-way delay: 33.466 ms
Loss rate: 1.85%
-- Flow 3:
Average throughput: 31.56 Mbit/s
95th percentile per-packet one-way delay: 34.184 ms
Loss rate: 3.75%
```

Run 10: Report of FillP — Data Link

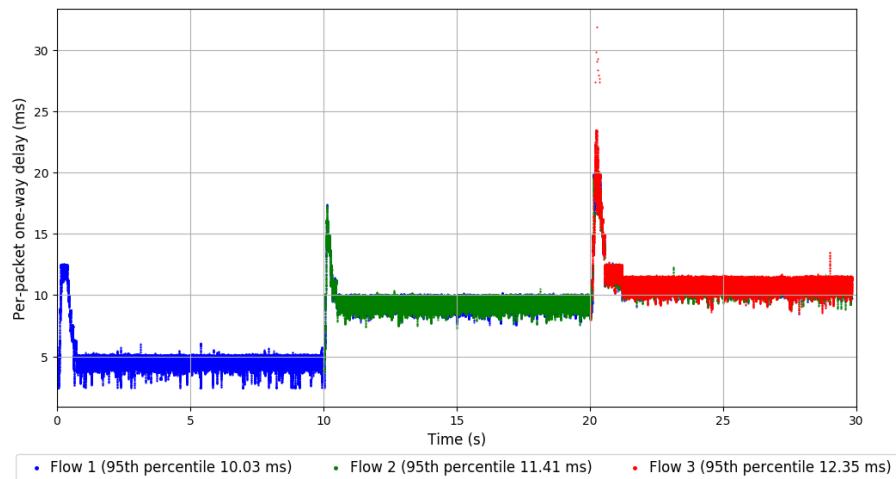
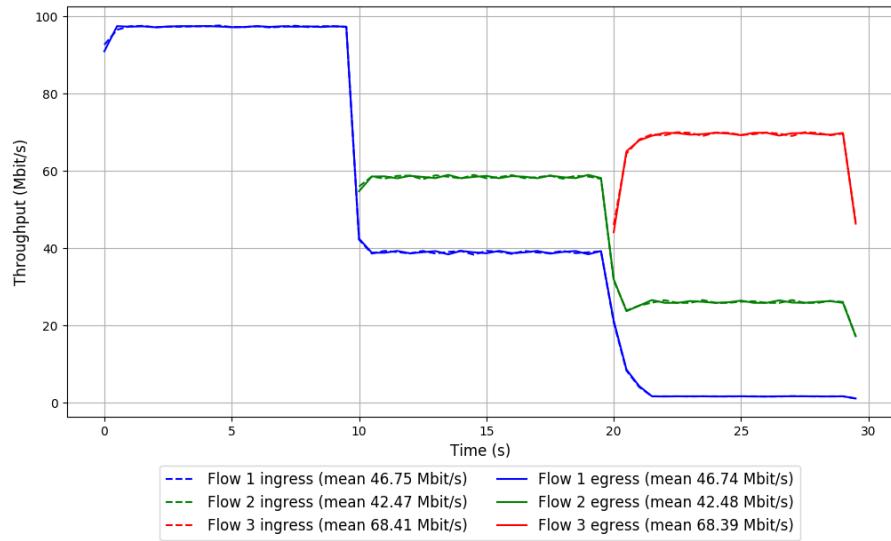


Run 1: Statistics of Indigo-1-32

```
Start at: 2018-04-03 17:13:59
End at: 2018-04-03 17:14:29
Local clock offset: -6.974 ms
Remote clock offset: -6.717 ms

# Below is generated by plot.py at 2018-04-04 00:11:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 11.489 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.74 Mbit/s
95th percentile per-packet one-way delay: 10.028 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.48 Mbit/s
95th percentile per-packet one-way delay: 11.412 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 12.351 ms
Loss rate: 0.14%
```

Run 1: Report of Indigo-1-32 — Data Link

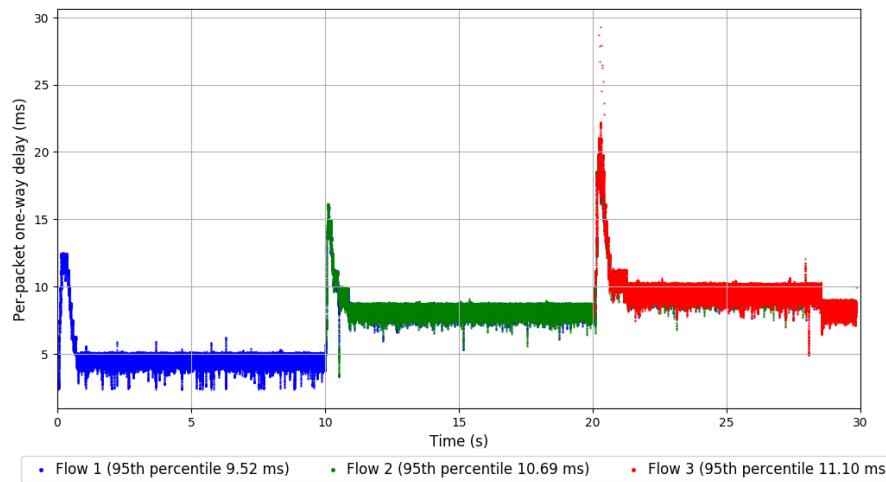
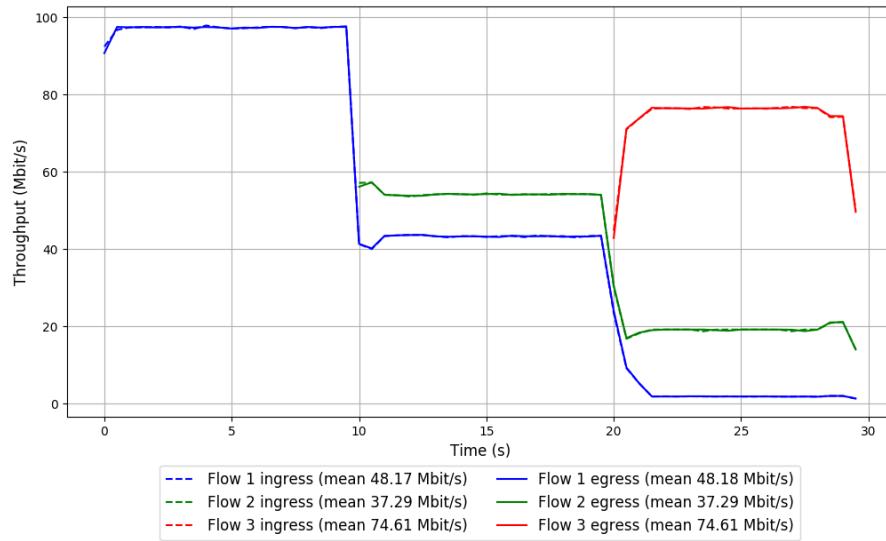


Run 2: Statistics of Indigo-1-32

```
Start at: 2018-04-03 17:34:24
End at: 2018-04-03 17:34:54
Local clock offset: -7.255 ms
Remote clock offset: -6.681 ms

# Below is generated by plot.py at 2018-04-04 00:11:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 10.699 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.18 Mbit/s
95th percentile per-packet one-way delay: 9.522 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 37.29 Mbit/s
95th percentile per-packet one-way delay: 10.694 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 74.61 Mbit/s
95th percentile per-packet one-way delay: 11.095 ms
Loss rate: 0.10%
```

Run 2: Report of Indigo-1-32 — Data Link

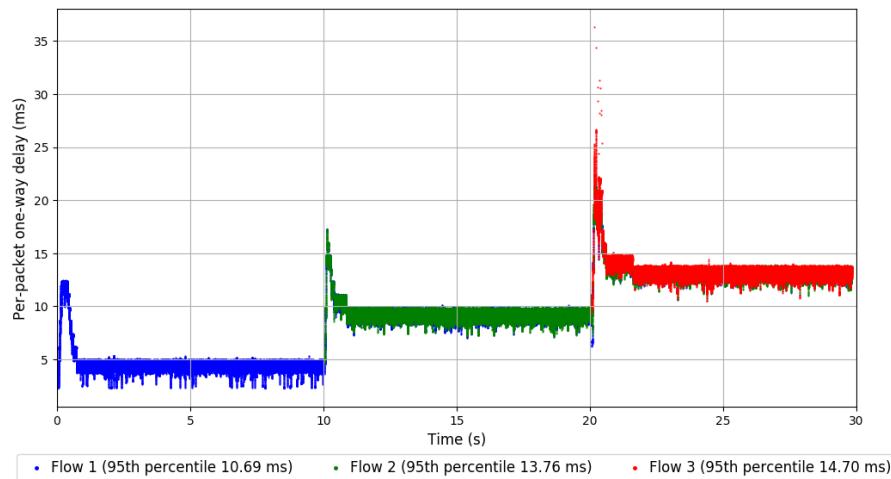
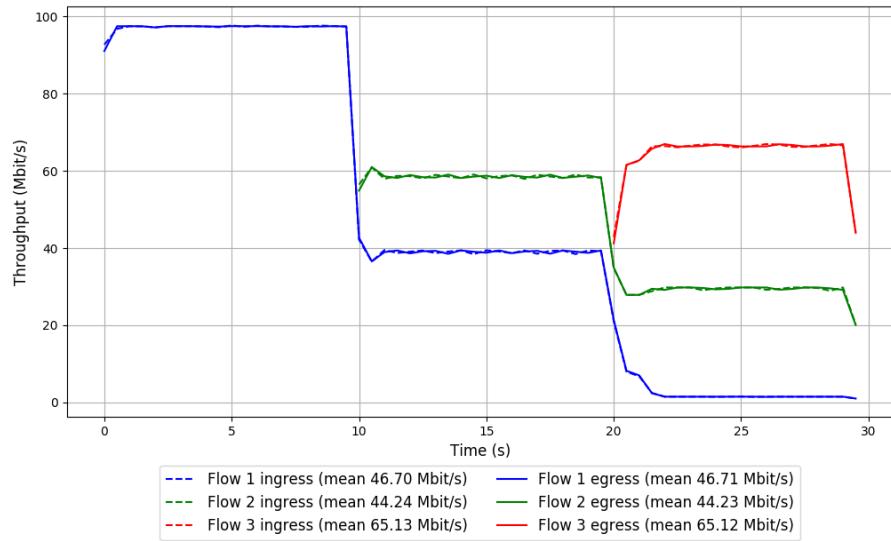


Run 3: Statistics of Indigo-1-32

```
Start at: 2018-04-03 17:54:51
End at: 2018-04-03 17:55:21
Local clock offset: -6.371 ms
Remote clock offset: -6.631 ms

# Below is generated by plot.py at 2018-04-04 00:11:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 13.782 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 10.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.23 Mbit/s
95th percentile per-packet one-way delay: 13.758 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 65.12 Mbit/s
95th percentile per-packet one-way delay: 14.703 ms
Loss rate: 0.14%
```

Run 3: Report of Indigo-1-32 — Data Link

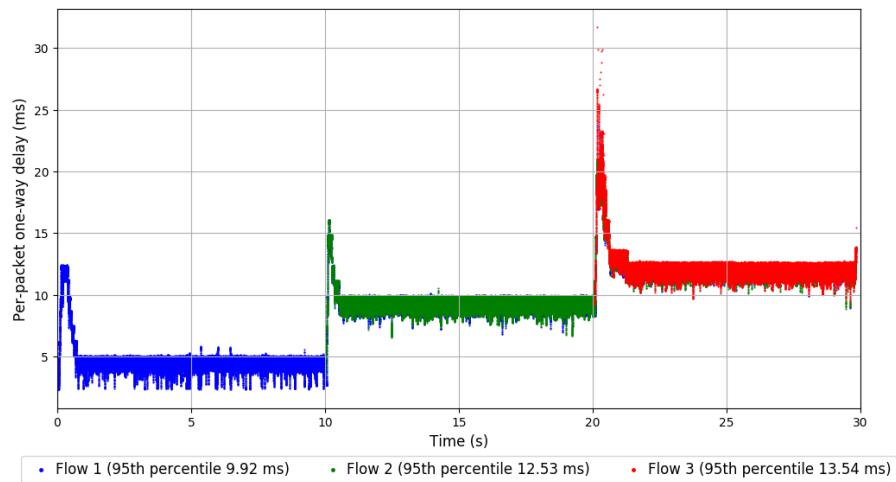
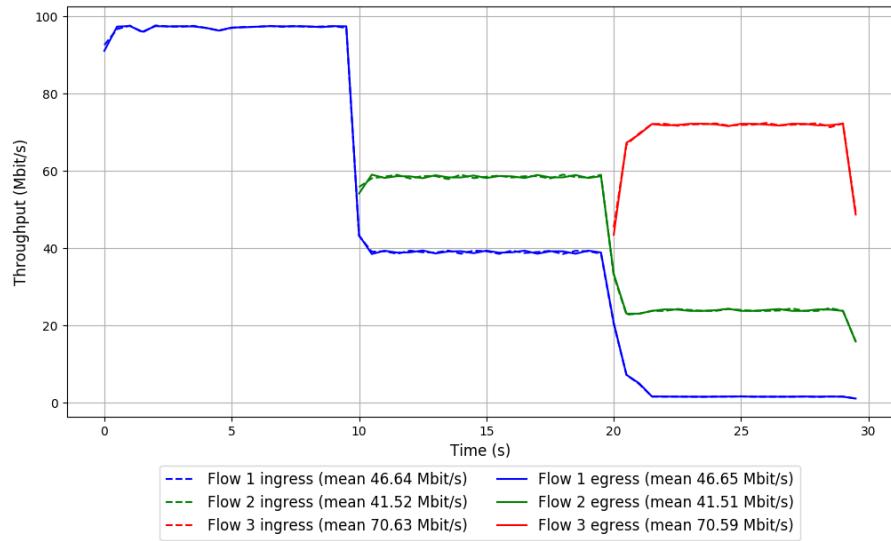


Run 4: Statistics of Indigo-1-32

```
Start at: 2018-04-03 18:15:15
End at: 2018-04-03 18:15:45
Local clock offset: -5.324 ms
Remote clock offset: -6.876 ms

# Below is generated by plot.py at 2018-04-04 00:11:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 12.576 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 9.916 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 12.533 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.59 Mbit/s
95th percentile per-packet one-way delay: 13.539 ms
Loss rate: 0.17%
```

Run 4: Report of Indigo-1-32 — Data Link

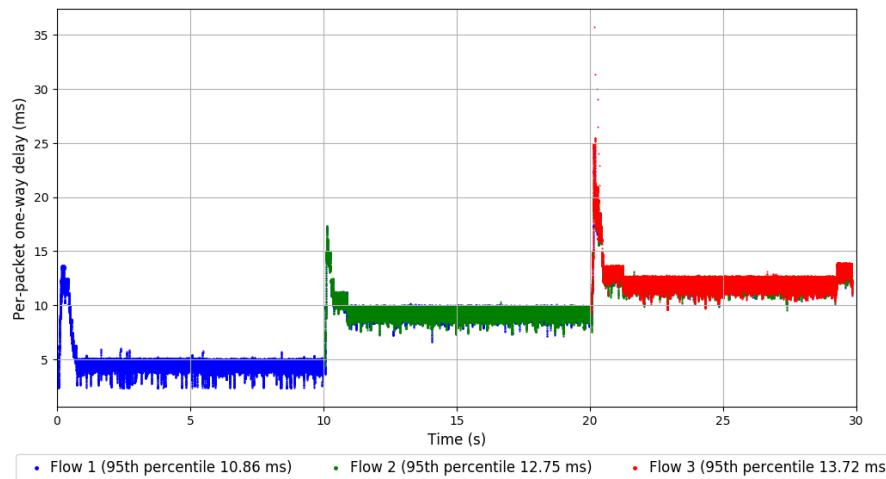
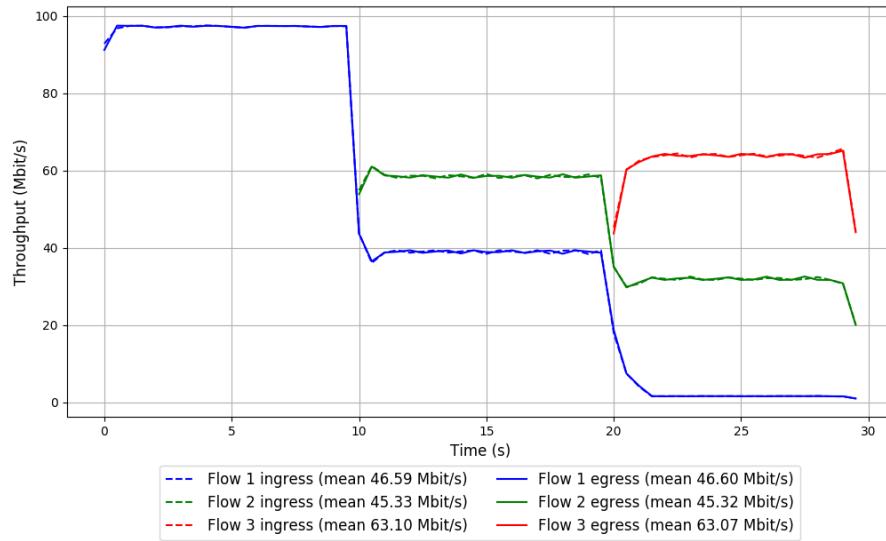


Run 5: Statistics of Indigo-1-32

```
Start at: 2018-04-03 18:35:42
End at: 2018-04-03 18:36:12
Local clock offset: -5.819 ms
Remote clock offset: -6.607 ms

# Below is generated by plot.py at 2018-04-04 00:12:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.37 Mbit/s
95th percentile per-packet one-way delay: 12.896 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.60 Mbit/s
95th percentile per-packet one-way delay: 10.857 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.32 Mbit/s
95th percentile per-packet one-way delay: 12.749 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 63.07 Mbit/s
95th percentile per-packet one-way delay: 13.725 ms
Loss rate: 0.16%
```

Run 5: Report of Indigo-1-32 — Data Link

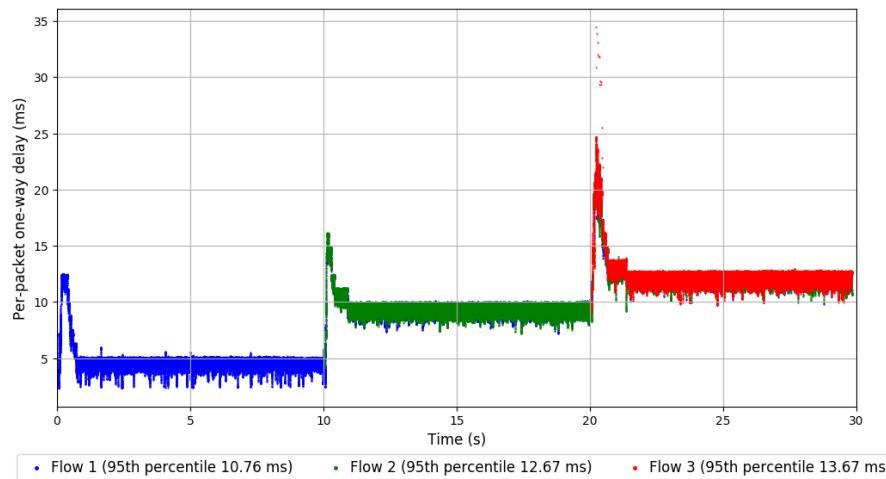
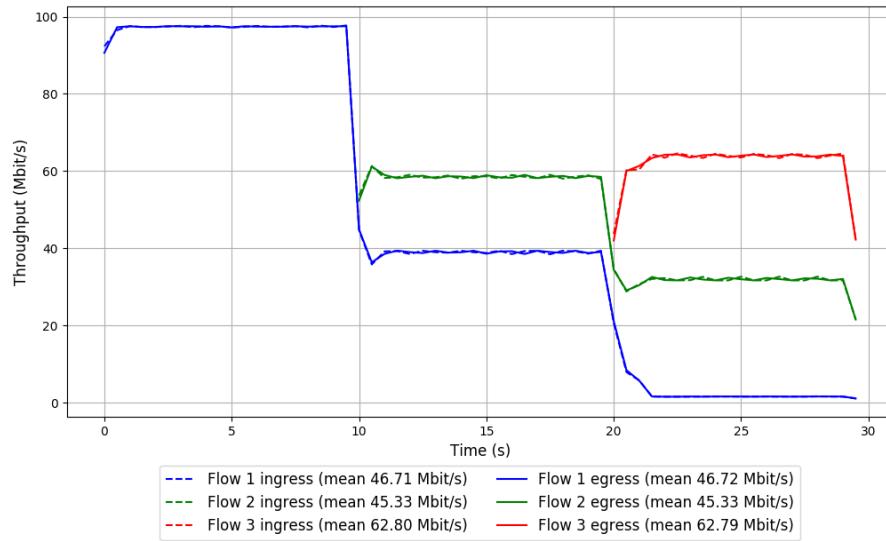


Run 6: Statistics of Indigo-1-32

```
Start at: 2018-04-03 18:56:08
End at: 2018-04-03 18:56:38
Local clock offset: -5.89 ms
Remote clock offset: -6.341 ms

# Below is generated by plot.py at 2018-04-04 00:12:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.685 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.72 Mbit/s
95th percentile per-packet one-way delay: 10.755 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 45.33 Mbit/s
95th percentile per-packet one-way delay: 12.670 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 62.79 Mbit/s
95th percentile per-packet one-way delay: 13.672 ms
Loss rate: 0.16%
```

Run 6: Report of Indigo-1-32 — Data Link

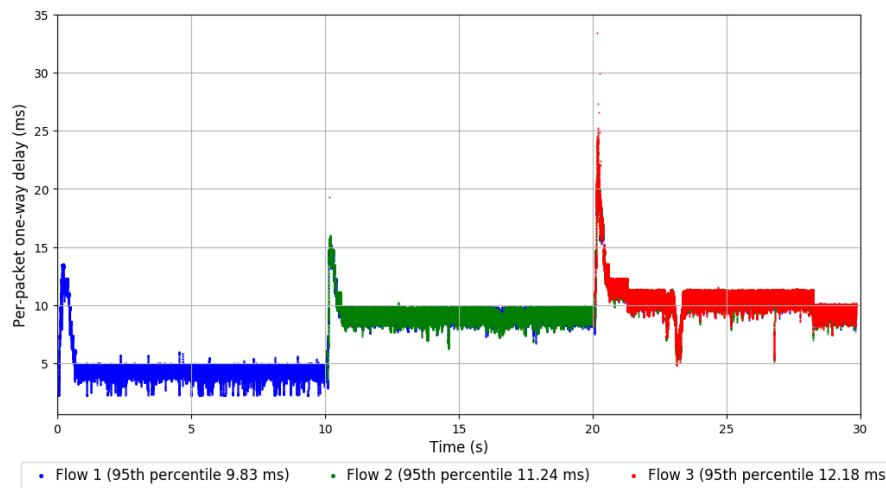
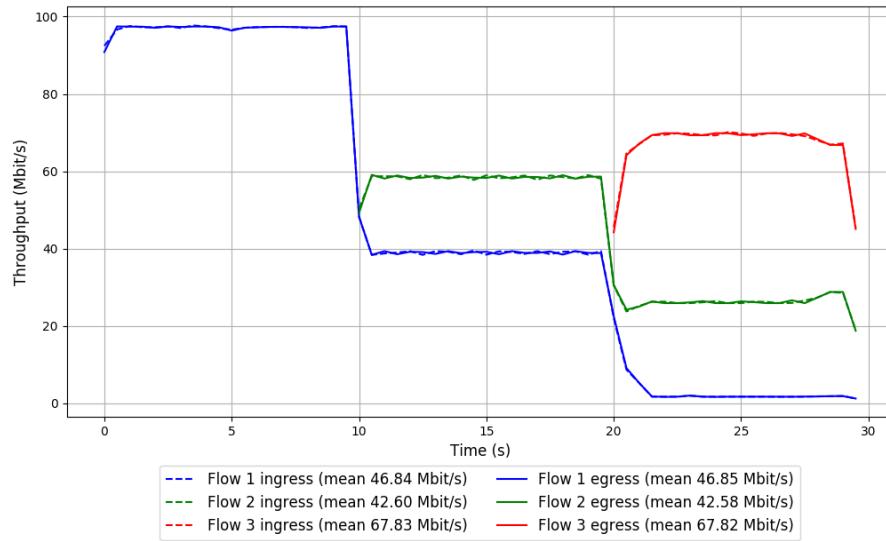


Run 7: Statistics of Indigo-1-32

```
Start at: 2018-04-03 19:16:32
End at: 2018-04-03 19:17:02
Local clock offset: -6.916 ms
Remote clock offset: -6.775 ms

# Below is generated by plot.py at 2018-04-04 00:12:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 11.314 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.85 Mbit/s
95th percentile per-packet one-way delay: 9.830 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 11.242 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 67.82 Mbit/s
95th percentile per-packet one-way delay: 12.183 ms
Loss rate: 0.13%
```

Run 7: Report of Indigo-1-32 — Data Link

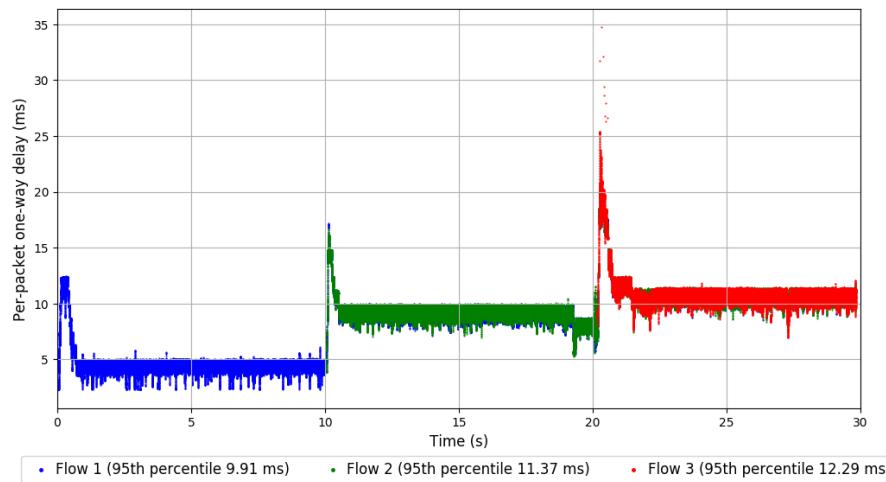
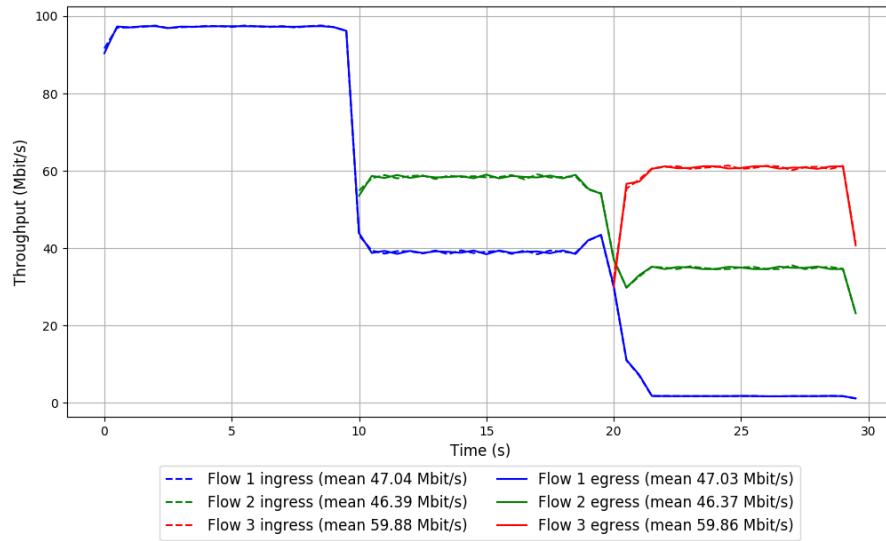


Run 8: Statistics of Indigo-1-32

```
Start at: 2018-04-03 19:36:56
End at: 2018-04-03 19:37:26
Local clock offset: -6.763 ms
Remote clock offset: -6.899 ms

# Below is generated by plot.py at 2018-04-04 00:13:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.03 Mbit/s
95th percentile per-packet one-way delay: 9.906 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 46.37 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 59.86 Mbit/s
95th percentile per-packet one-way delay: 12.293 ms
Loss rate: 0.14%
```

Run 8: Report of Indigo-1-32 — Data Link

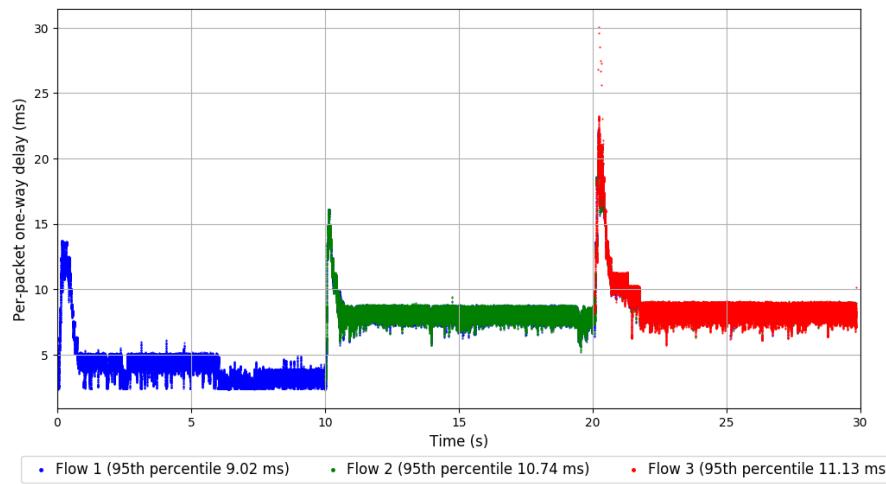
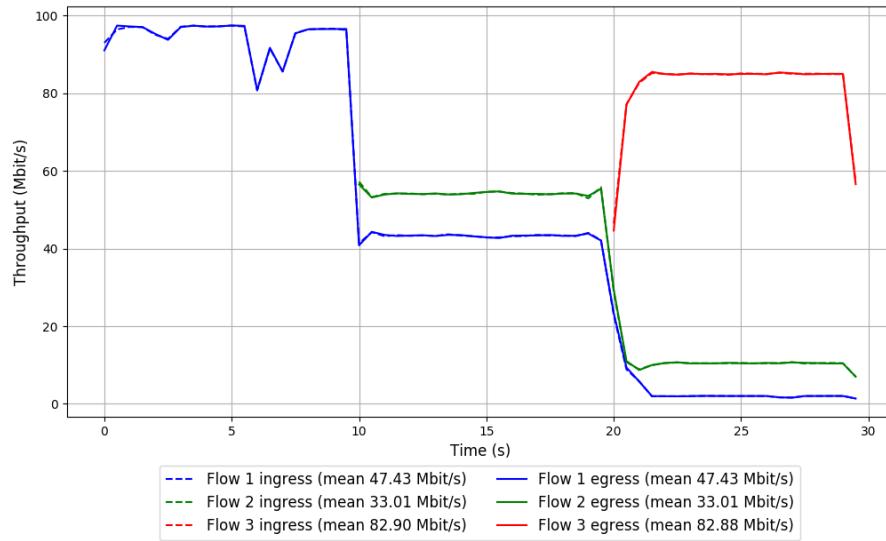


Run 9: Statistics of Indigo-1-32

```
Start at: 2018-04-03 19:57:19
End at: 2018-04-03 19:57:49
Local clock offset: -6.656 ms
Remote clock offset: -7.029 ms

# Below is generated by plot.py at 2018-04-04 00:13:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 10.902 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 9.017 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.01 Mbit/s
95th percentile per-packet one-way delay: 10.742 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 82.88 Mbit/s
95th percentile per-packet one-way delay: 11.130 ms
Loss rate: 0.12%
```

Run 9: Report of Indigo-1-32 — Data Link

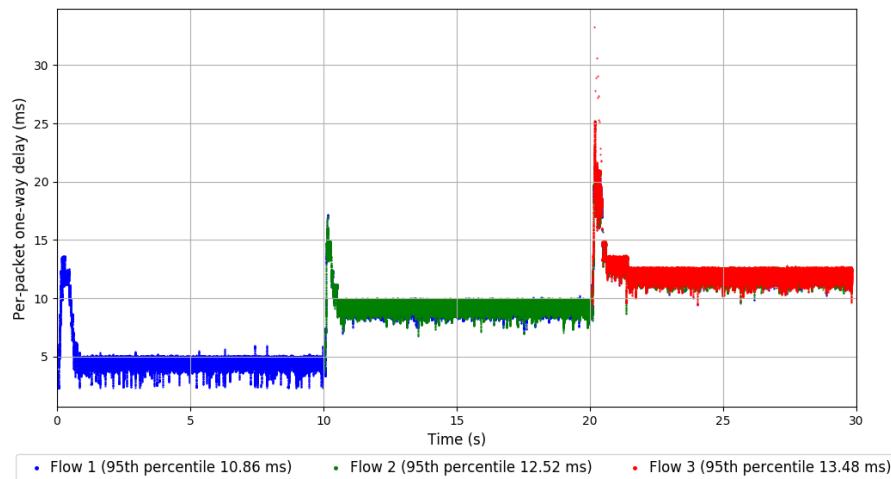
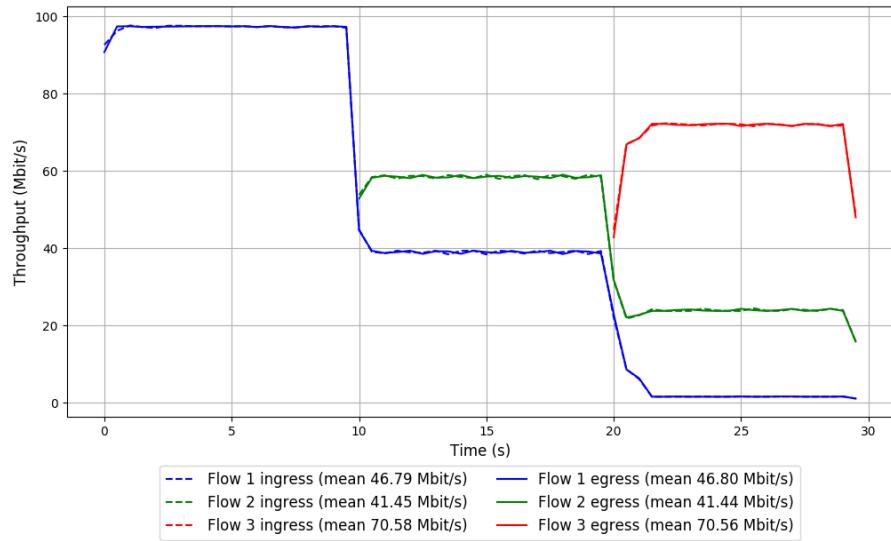


Run 10: Statistics of Indigo-1-32

```
Start at: 2018-04-03 20:17:43
End at: 2018-04-03 20:18:13
Local clock offset: -5.945 ms
Remote clock offset: -6.888 ms

# Below is generated by plot.py at 2018-04-04 00:13:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 12.585 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 46.80 Mbit/s
95th percentile per-packet one-way delay: 10.864 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 12.522 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 70.56 Mbit/s
95th percentile per-packet one-way delay: 13.477 ms
Loss rate: 0.15%
```

Run 10: Report of Indigo-1-32 — Data Link

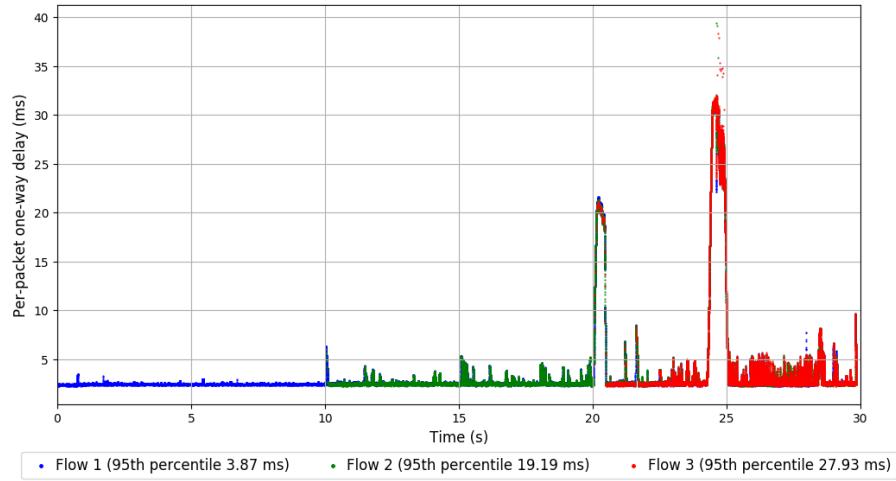
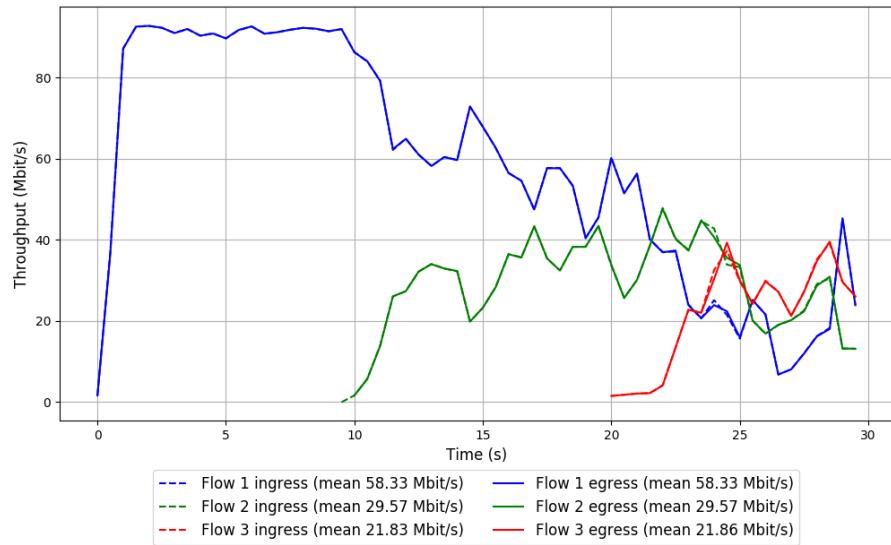


Run 1: Statistics of Vivace-latency

```
Start at: 2018-04-03 17:00:20
End at: 2018-04-03 17:00:50
Local clock offset: -6.805 ms
Remote clock offset: -6.897 ms

# Below is generated by plot.py at 2018-04-04 00:13:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.18 Mbit/s
95th percentile per-packet one-way delay: 6.515 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.33 Mbit/s
95th percentile per-packet one-way delay: 3.870 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 19.186 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 27.932 ms
Loss rate: 0.07%
```

Run 1: Report of Vivace-latency — Data Link

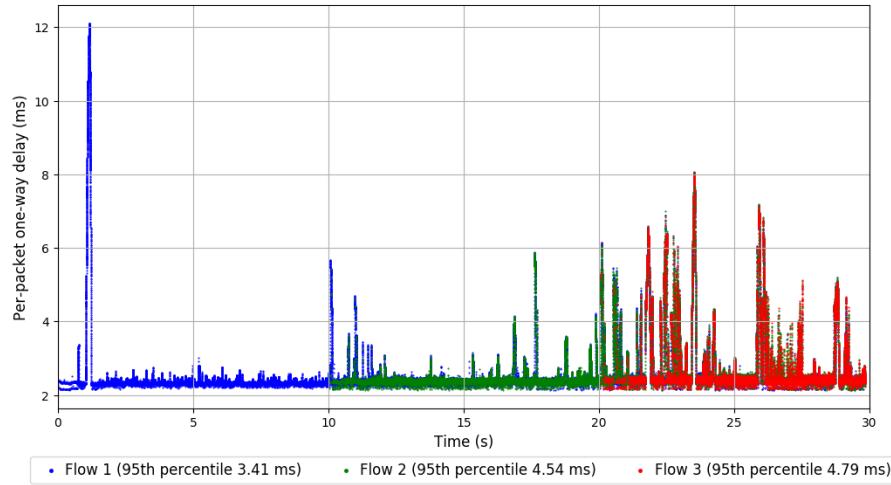
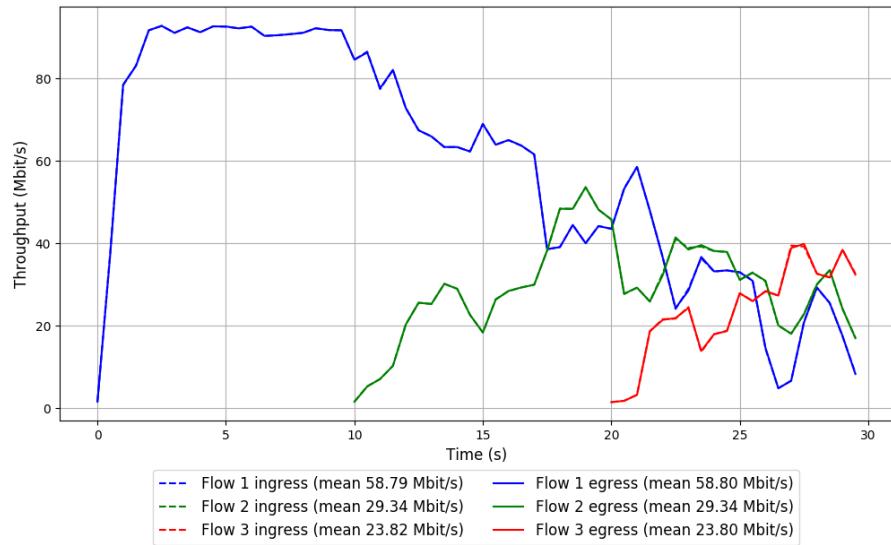


Run 2: Statistics of Vivace-latency

```
Start at: 2018-04-03 17:20:46
End at: 2018-04-03 17:21:16
Local clock offset: -7.149 ms
Remote clock offset: -6.616 ms

# Below is generated by plot.py at 2018-04-04 00:13:26
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.13 Mbit/s
95th percentile per-packet one-way delay: 4.068 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.80 Mbit/s
95th percentile per-packet one-way delay: 3.407 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.34 Mbit/s
95th percentile per-packet one-way delay: 4.537 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 4.793 ms
Loss rate: 0.09%
```

Run 2: Report of Vivace-latency — Data Link

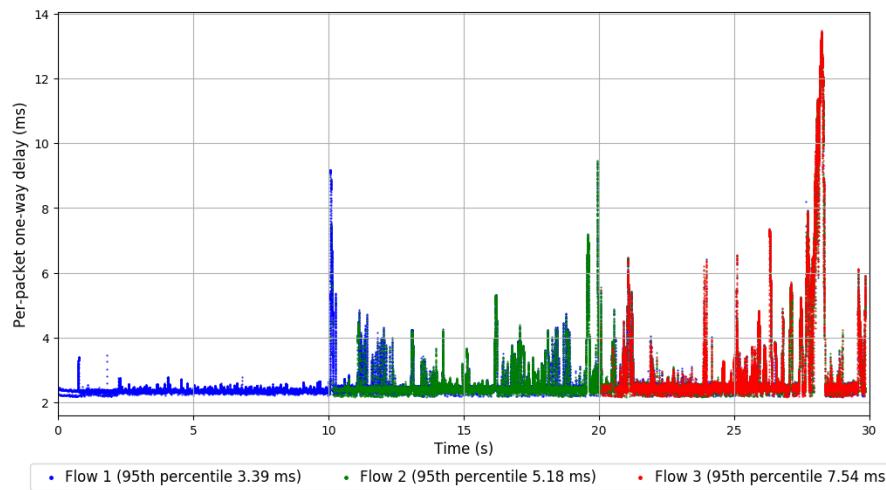
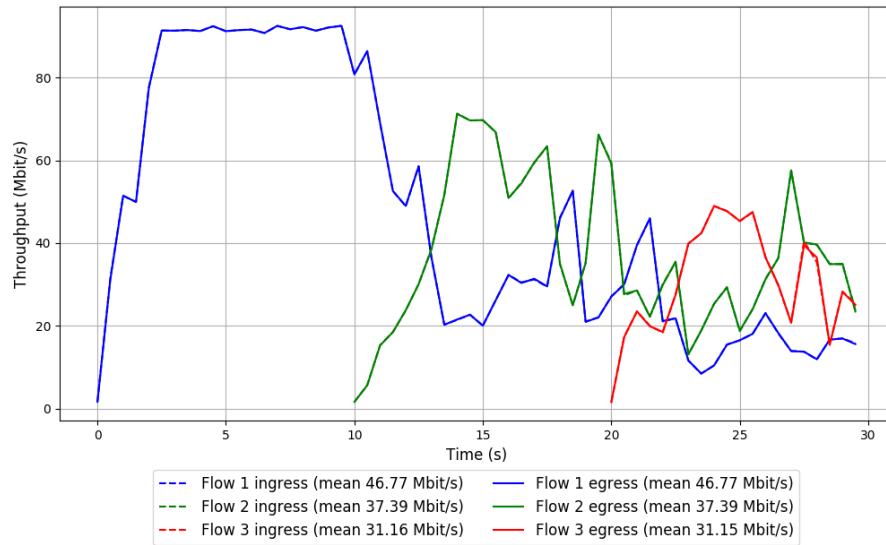


Run 3: Statistics of Vivace-latency

```
Start at: 2018-04-03 17:41:14
End at: 2018-04-03 17:41:44
Local clock offset: -7.328 ms
Remote clock offset: -6.634 ms

# Below is generated by plot.py at 2018-04-04 00:14:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.85 Mbit/s
95th percentile per-packet one-way delay: 4.394 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 3.386 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 37.39 Mbit/s
95th percentile per-packet one-way delay: 5.183 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 31.15 Mbit/s
95th percentile per-packet one-way delay: 7.535 ms
Loss rate: 0.07%
```

Run 3: Report of Vivace-latency — Data Link

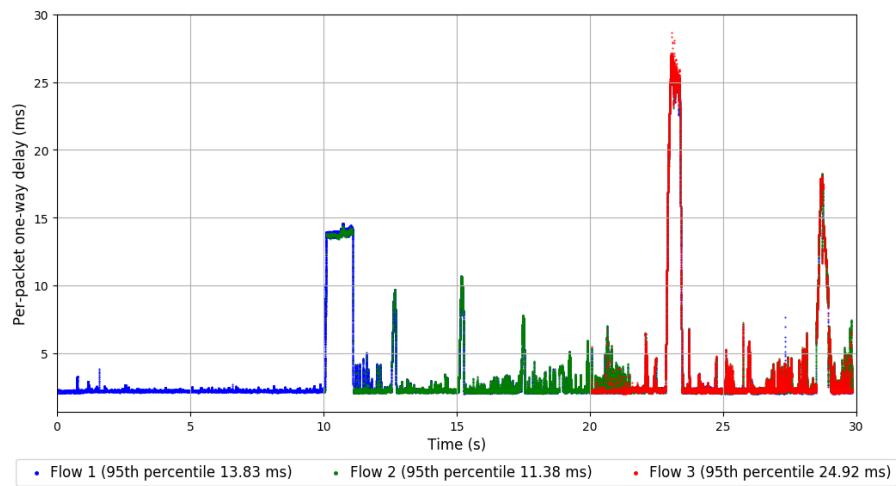
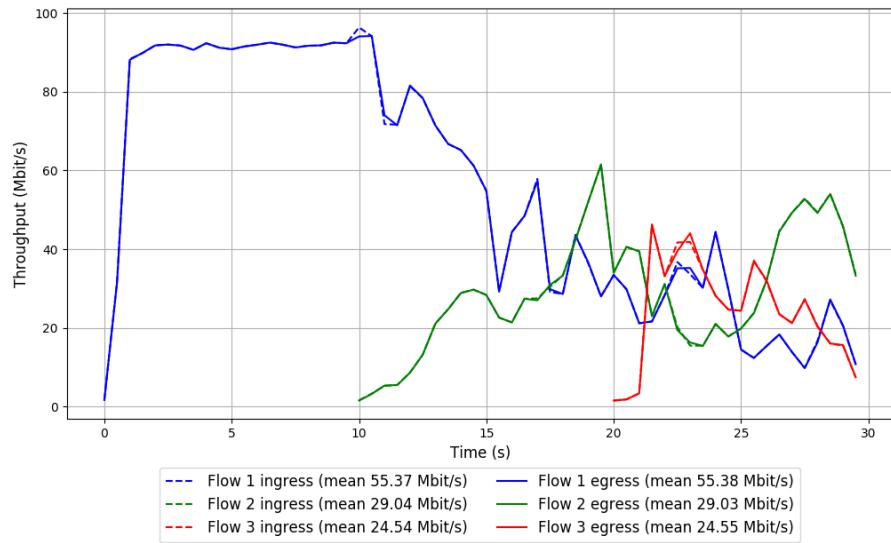


Run 4: Statistics of Vivace-latency

```
Start at: 2018-04-03 18:01:38
End at: 2018-04-03 18:02:08
Local clock offset: -5.954 ms
Remote clock offset: -6.764 ms

# Below is generated by plot.py at 2018-04-04 00:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 13.842 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.38 Mbit/s
95th percentile per-packet one-way delay: 13.826 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 11.378 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: 24.924 ms
Loss rate: 0.01%
```

Run 4: Report of Vivace-latency — Data Link

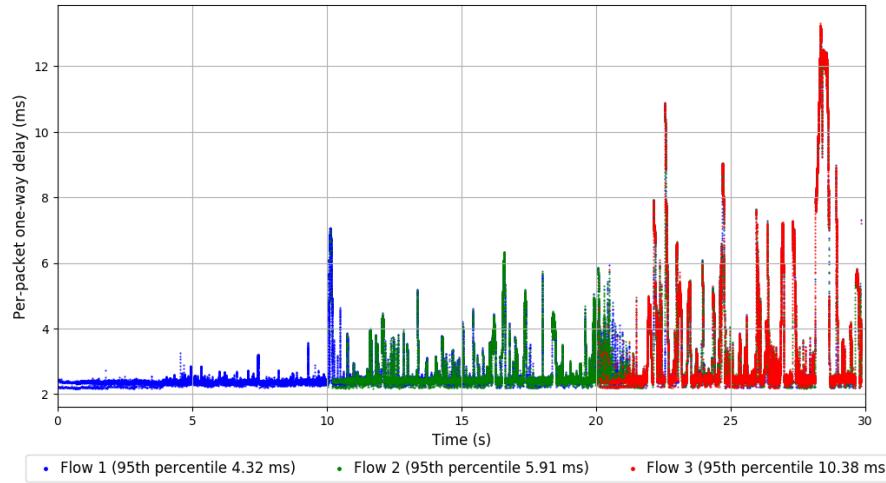
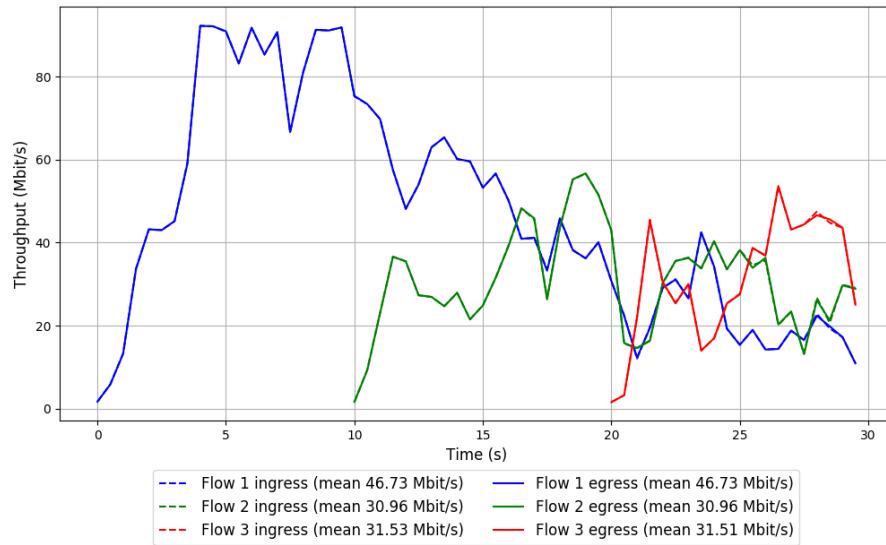


Run 5: Statistics of Vivace-latency

```
Start at: 2018-04-03 18:22:05
End at: 2018-04-03 18:22:35
Local clock offset: -5.322 ms
Remote clock offset: -6.904 ms

# Below is generated by plot.py at 2018-04-04 00:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 5.631 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 4.317 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 5.905 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 31.51 Mbit/s
95th percentile per-packet one-way delay: 10.377 ms
Loss rate: 0.06%
```

Run 5: Report of Vivace-latency — Data Link

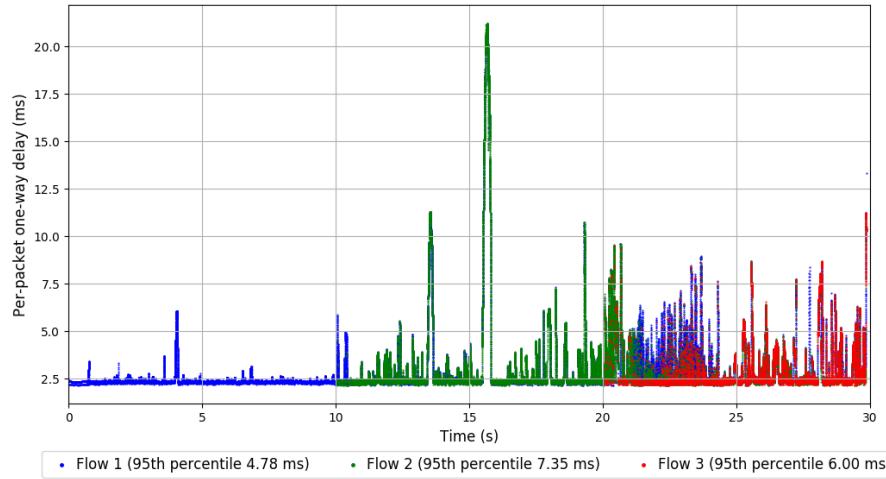
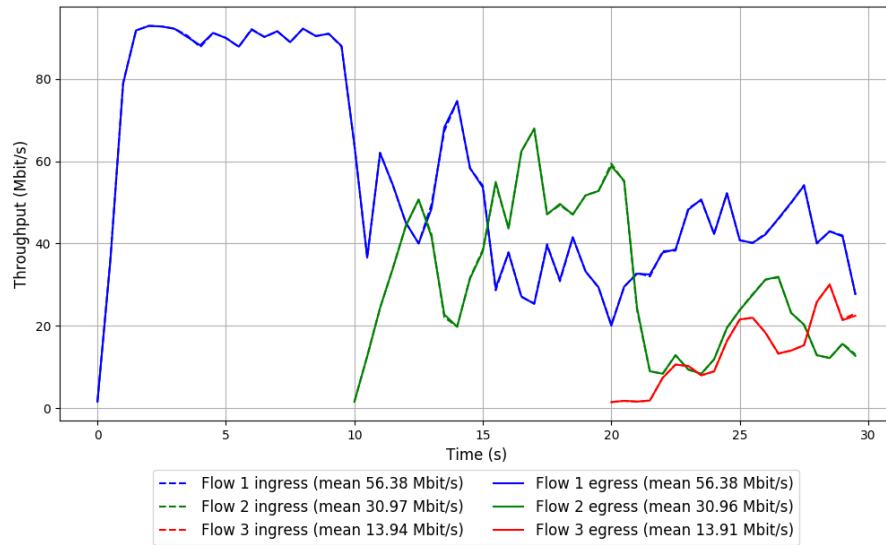


Run 6: Statistics of Vivace-latency

```
Start at: 2018-04-03 18:42:32
End at: 2018-04-03 18:43:02
Local clock offset: -5.877 ms
Remote clock offset: -6.504 ms

# Below is generated by plot.py at 2018-04-04 00:14:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.53 Mbit/s
95th percentile per-packet one-way delay: 5.446 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.38 Mbit/s
95th percentile per-packet one-way delay: 4.782 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 7.350 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 13.91 Mbit/s
95th percentile per-packet one-way delay: 6.001 ms
Loss rate: 0.30%
```

Run 6: Report of Vivace-latency — Data Link

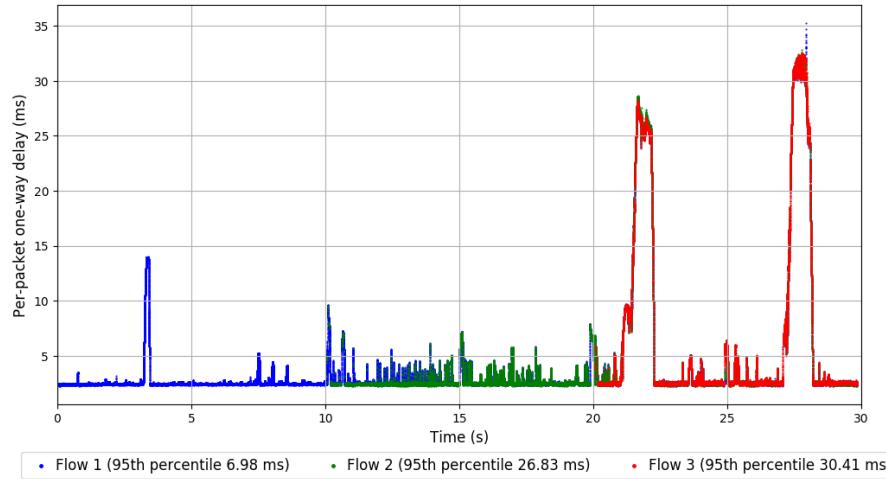
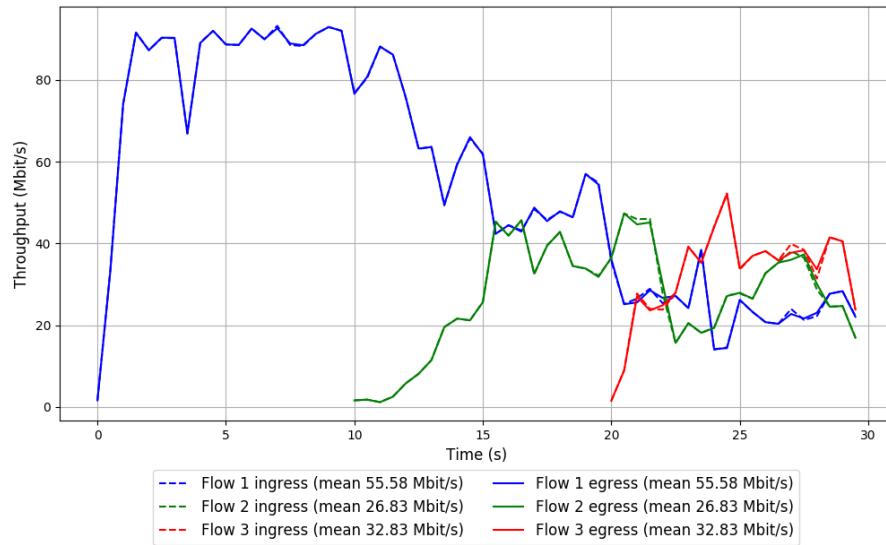


Run 7: Statistics of Vivace-latency

```
Start at: 2018-04-03 19:02:55
End at: 2018-04-03 19:03:25
Local clock offset: -6.432 ms
Remote clock offset: -6.452 ms

# Below is generated by plot.py at 2018-04-04 00:14:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.22 Mbit/s
95th percentile per-packet one-way delay: 24.123 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.58 Mbit/s
95th percentile per-packet one-way delay: 6.978 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 26.832 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 30.408 ms
Loss rate: 0.04%
```

Run 7: Report of Vivace-latency — Data Link

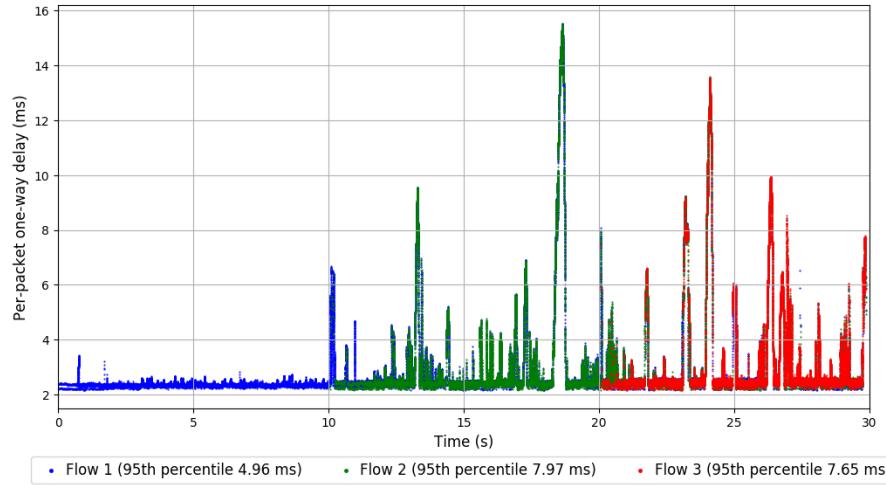
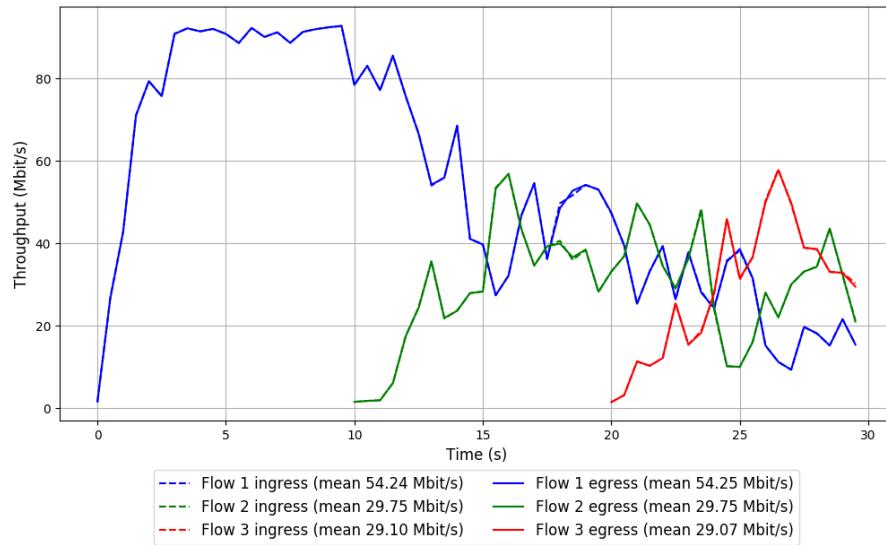


Run 8: Statistics of Vivace-latency

```
Start at: 2018-04-03 19:23:19
End at: 2018-04-03 19:23:49
Local clock offset: -6.906 ms
Remote clock offset: -6.862 ms

# Below is generated by plot.py at 2018-04-04 00:14:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.56 Mbit/s
95th percentile per-packet one-way delay: 6.184 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 54.25 Mbit/s
95th percentile per-packet one-way delay: 4.960 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 7.972 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 29.07 Mbit/s
95th percentile per-packet one-way delay: 7.648 ms
Loss rate: 0.18%
```

Run 8: Report of Vivace-latency — Data Link

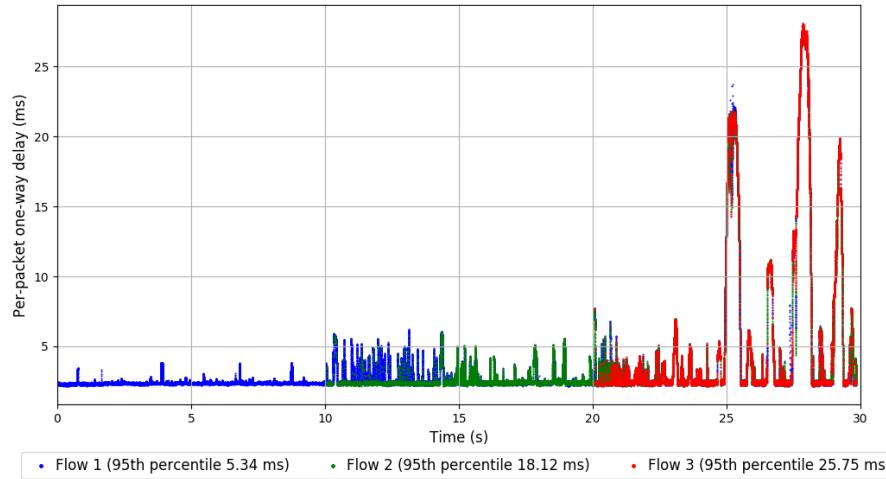
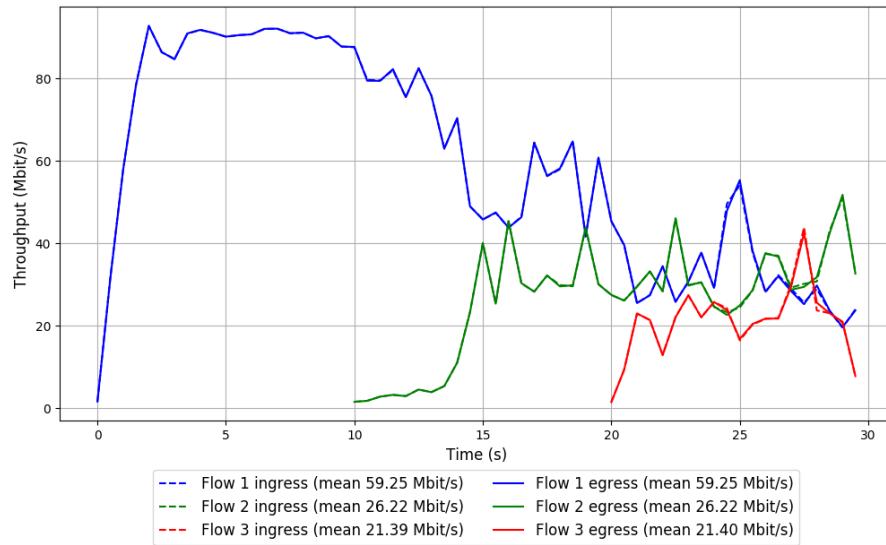


Run 9: Statistics of Vivace-latency

```
Start at: 2018-04-03 19:43:43
End at: 2018-04-03 19:44:13
Local clock offset: -6.694 ms
Remote clock offset: -6.931 ms

# Below is generated by plot.py at 2018-04-04 00:14:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.70 Mbit/s
95th percentile per-packet one-way delay: 12.626 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 5.337 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 26.22 Mbit/s
95th percentile per-packet one-way delay: 18.122 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 25.751 ms
Loss rate: 0.01%
```

Run 9: Report of Vivace-latency — Data Link

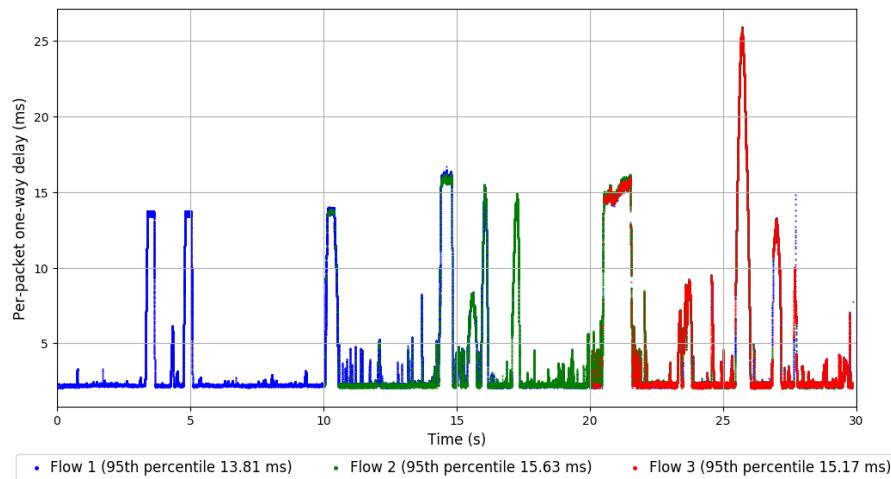
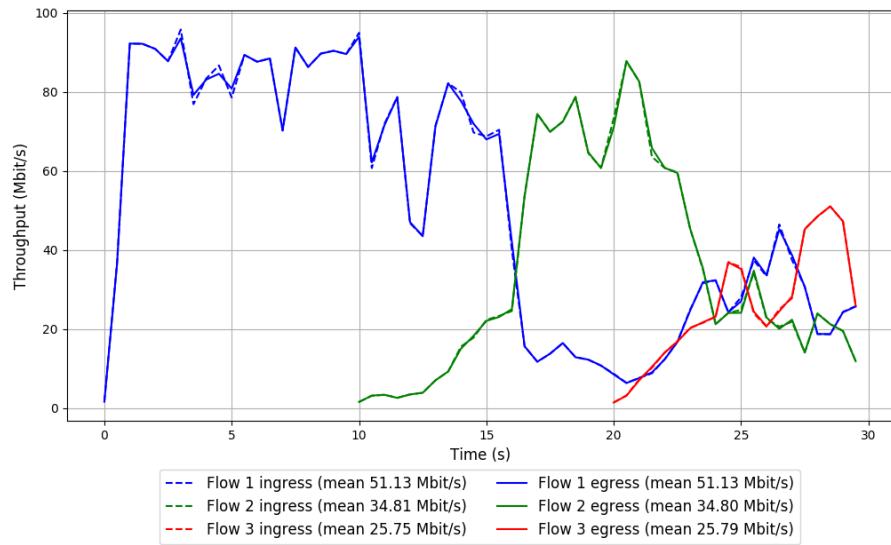


Run 10: Statistics of Vivace-latency

```
Start at: 2018-04-03 20:04:06
End at: 2018-04-03 20:04:36
Local clock offset: -6.642 ms
Remote clock offset: -6.963 ms

# Below is generated by plot.py at 2018-04-04 00:14:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 15.204 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 51.13 Mbit/s
95th percentile per-packet one-way delay: 13.810 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 34.80 Mbit/s
95th percentile per-packet one-way delay: 15.633 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 15.169 ms
Loss rate: 0.06%
```

Run 10: Report of Vivace-latency — Data Link



Run 1: Statistics of Vivace-loss

Start at: 2018-04-03 17:19:38

End at: 2018-04-03 17:20:08

Local clock offset: -7.124 ms

Remote clock offset: -6.593 ms

Run 1: Report of Vivace-loss — Data Link

Figure is missing

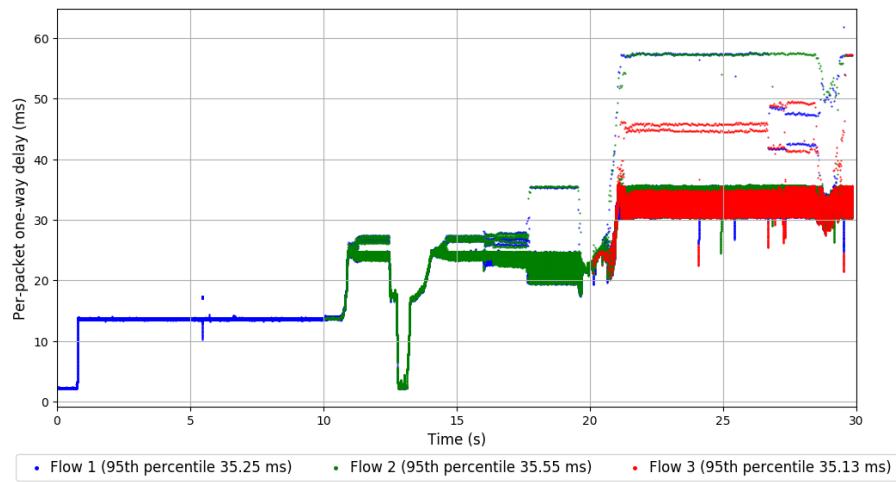
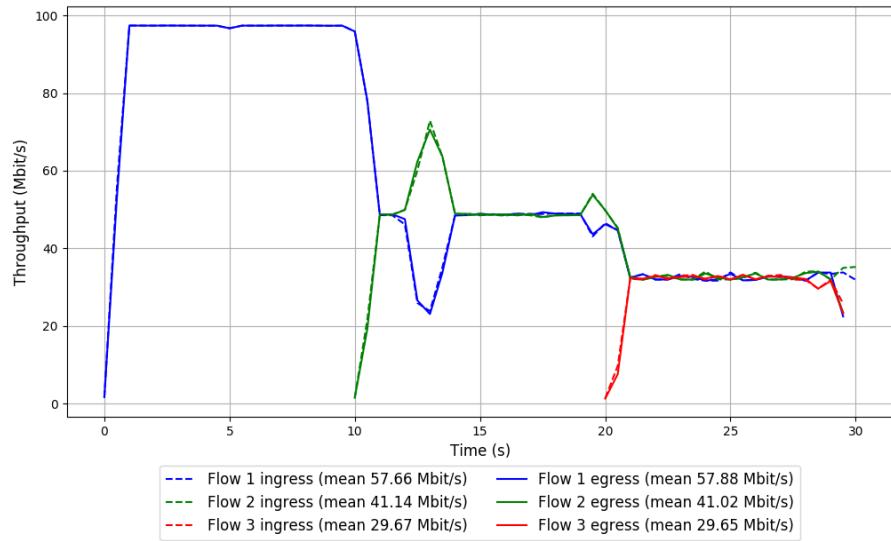
Figure is missing

Run 2: Statistics of Vivace-loss

```
Start at: 2018-04-03 17:40:03
End at: 2018-04-03 17:40:33
Local clock offset: -7.343 ms
Remote clock offset: -6.65 ms

# Below is generated by plot.py at 2018-04-04 00:15:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.83 Mbit/s
95th percentile per-packet one-way delay: 35.448 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 57.88 Mbit/s
95th percentile per-packet one-way delay: 35.249 ms
Loss rate: 1.29%
-- Flow 2:
Average throughput: 41.02 Mbit/s
95th percentile per-packet one-way delay: 35.545 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 29.65 Mbit/s
95th percentile per-packet one-way delay: 35.131 ms
Loss rate: 0.80%
```

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-03 18:00:30

End at: 2018-04-03 18:01:00

Local clock offset: -5.958 ms

Remote clock offset: -6.777 ms

Run 3: Report of Vivace-loss — Data Link

Figure is missing

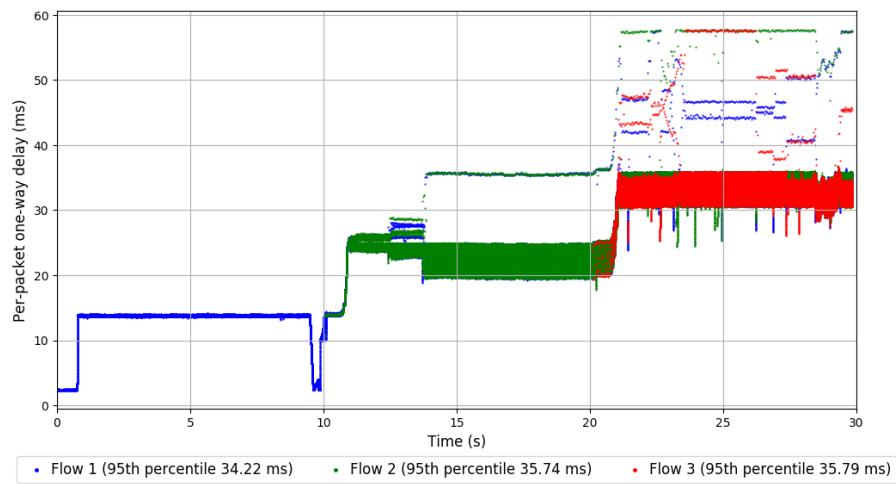
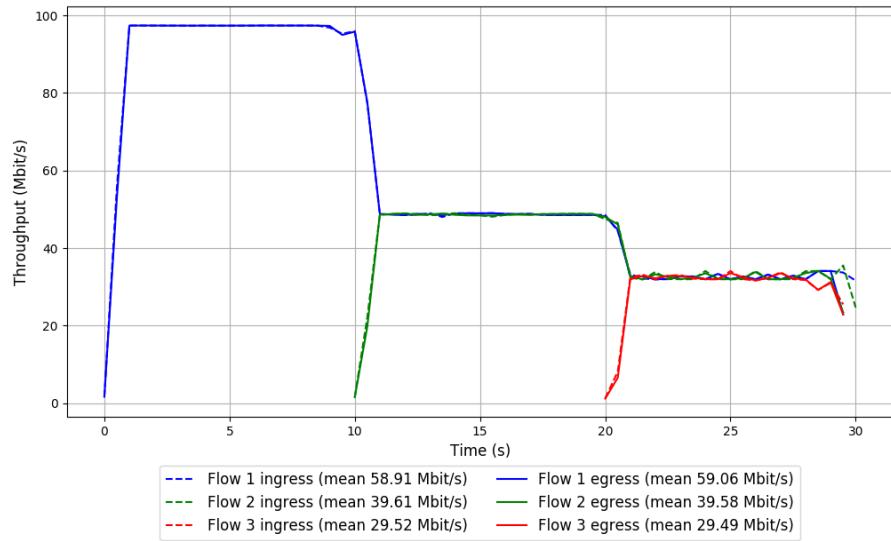
Figure is missing

Run 4: Statistics of Vivace-loss

```
Start at: 2018-04-03 18:20:55
End at: 2018-04-03 18:21:25
Local clock offset: -5.182 ms
Remote clock offset: -6.969 ms

# Below is generated by plot.py at 2018-04-04 00:15:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 35.632 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: 34.221 ms
Loss rate: 1.25%
-- Flow 2:
Average throughput: 39.58 Mbit/s
95th percentile per-packet one-way delay: 35.744 ms
Loss rate: 2.42%
-- Flow 3:
Average throughput: 29.49 Mbit/s
95th percentile per-packet one-way delay: 35.791 ms
Loss rate: 0.75%
```

Run 4: Report of Vivace-loss — Data Link

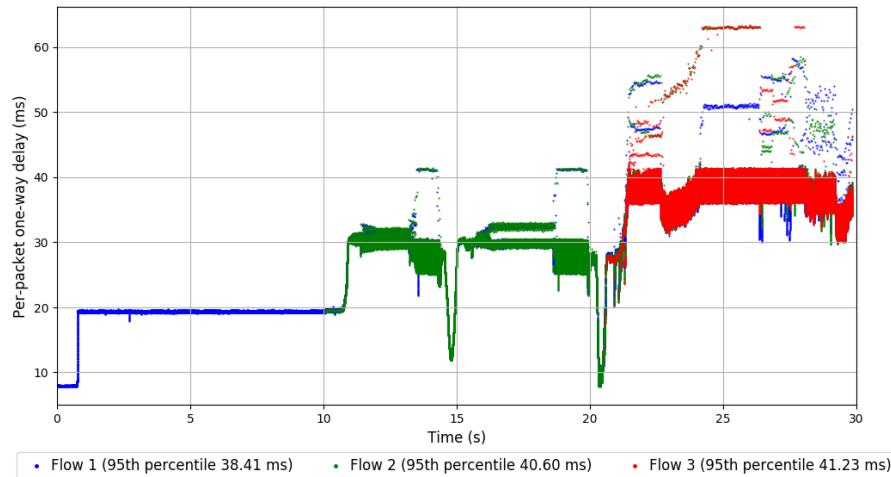
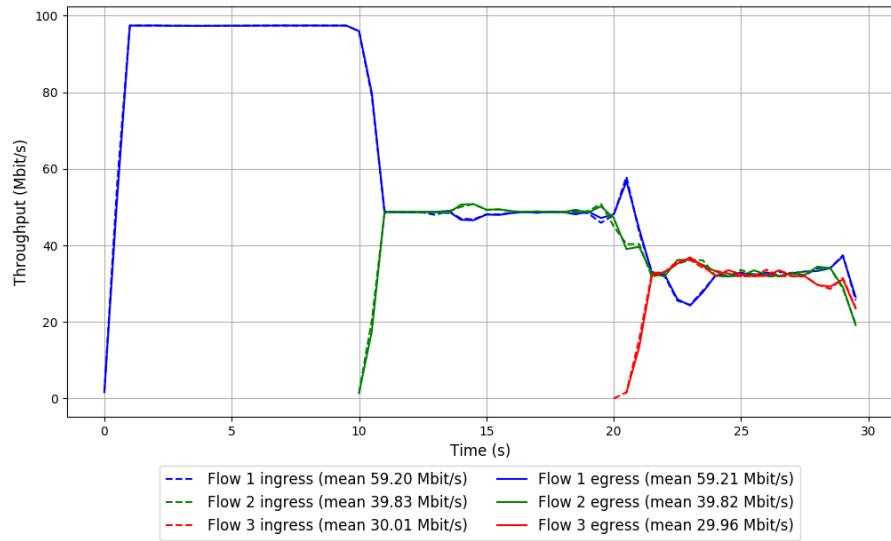


Run 5: Statistics of Vivace-loss

```
Start at: 2018-04-03 18:41:22
End at: 2018-04-03 18:41:52
Local clock offset: -5.887 ms
Remote clock offset: -12.146 ms

# Below is generated by plot.py at 2018-04-04 00:15:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.01 Mbit/s
95th percentile per-packet one-way delay: 39.951 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 59.21 Mbit/s
95th percentile per-packet one-way delay: 38.409 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 39.82 Mbit/s
95th percentile per-packet one-way delay: 40.604 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 29.96 Mbit/s
95th percentile per-packet one-way delay: 41.227 ms
Loss rate: 0.38%
```

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-03 19:01:47

End at: 2018-04-03 19:02:17

Local clock offset: -6.36 ms

Remote clock offset: -6.352 ms

Run 6: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of Vivace-loss

Start at: 2018-04-03 19:22:11
End at: 2018-04-03 19:22:41
Local clock offset: -6.894 ms
Remote clock offset: -15.441 ms

Run 7: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of Vivace-loss

Start at: 2018-04-03 19:42:35

End at: 2018-04-03 19:43:05

Local clock offset: -6.704 ms

Remote clock offset: -6.932 ms

Run 8: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of Vivace-loss

Start at: 2018-04-03 20:02:58

End at: 2018-04-03 20:03:28

Local clock offset: -6.624 ms

Remote clock offset: -6.978 ms

Run 9: Report of Vivace-loss — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Vivace-loss

Start at: 2018-04-03 20:23:23

End at: 2018-04-03 20:23:53

Local clock offset: -5.797 ms

Remote clock offset: -23.817 ms

Run 10: Report of Vivace-loss — Data Link

Figure is missing

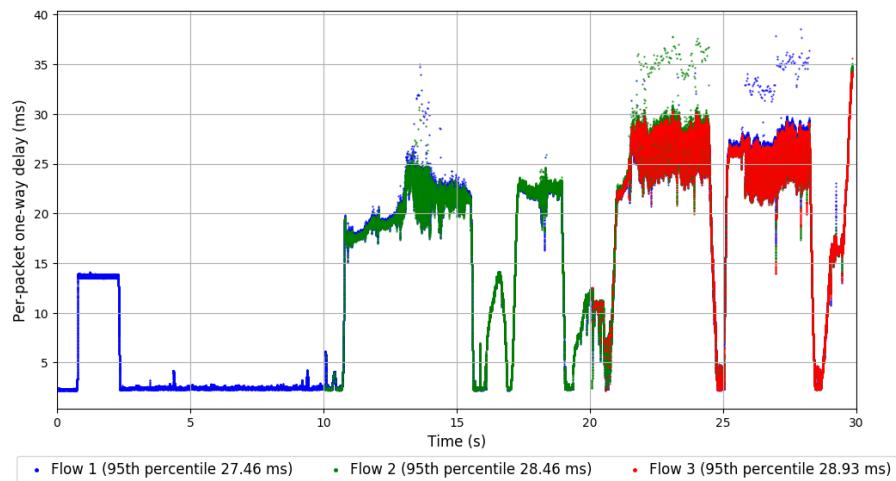
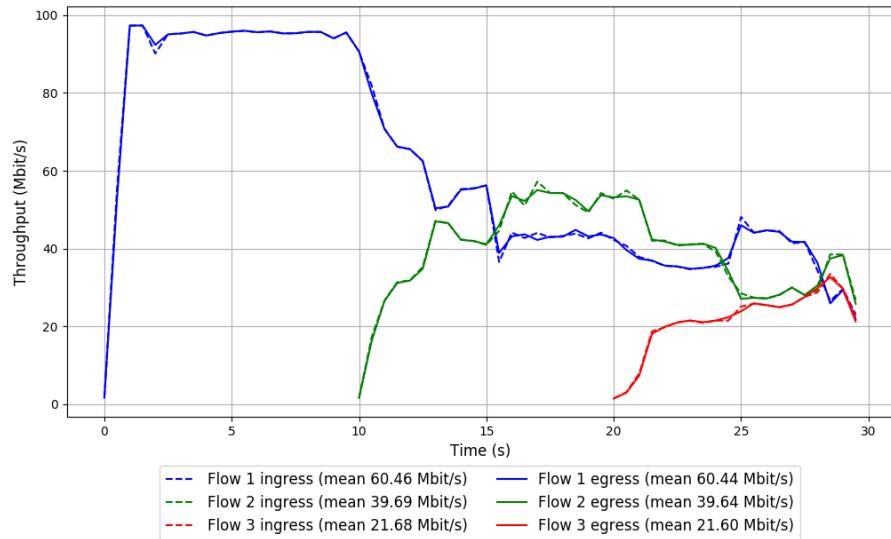
Figure is missing

Run 1: Statistics of Vivace-LTE

```
Start at: 2018-04-03 17:07:09
End at: 2018-04-03 17:07:39
Local clock offset: -6.878 ms
Remote clock offset: -6.759 ms

# Below is generated by plot.py at 2018-04-04 00:15:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.88 Mbit/s
95th percentile per-packet one-way delay: 28.134 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 60.44 Mbit/s
95th percentile per-packet one-way delay: 27.457 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 39.64 Mbit/s
95th percentile per-packet one-way delay: 28.462 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 21.60 Mbit/s
95th percentile per-packet one-way delay: 28.932 ms
Loss rate: 0.56%
```

Run 1: Report of Vivace-LTE — Data Link

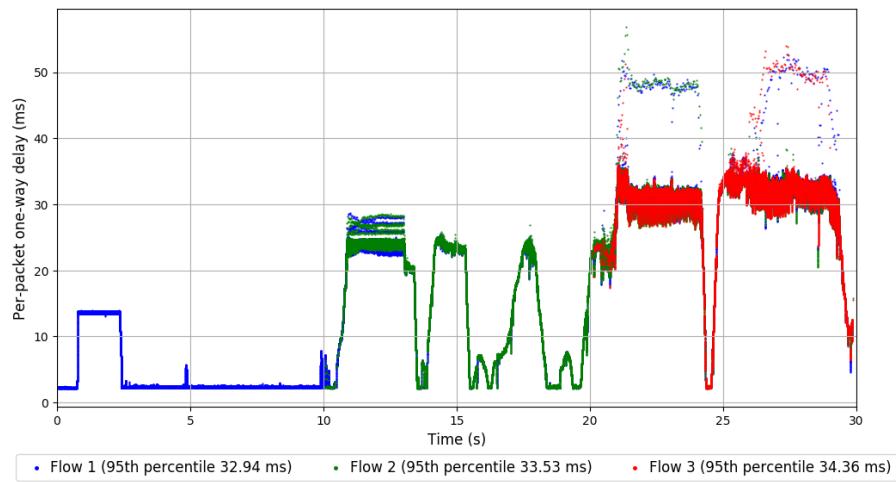
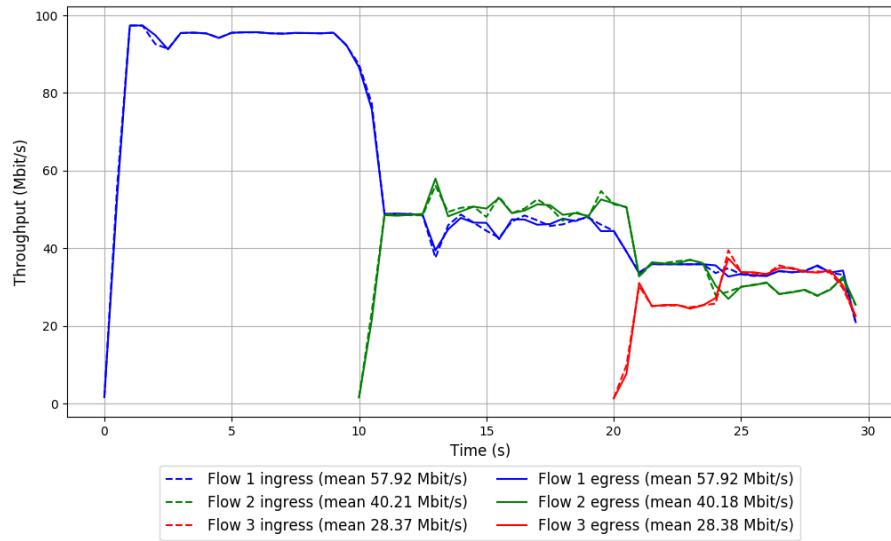


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-04-03 17:27:34
End at: 2018-04-03 17:28:04
Local clock offset: -7.278 ms
Remote clock offset: -6.688 ms

# Below is generated by plot.py at 2018-04-04 00:16:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 33.534 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 32.943 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 33.534 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 28.38 Mbit/s
95th percentile per-packet one-way delay: 34.360 ms
Loss rate: 0.16%
```

Run 2: Report of Vivace-LTE — Data Link

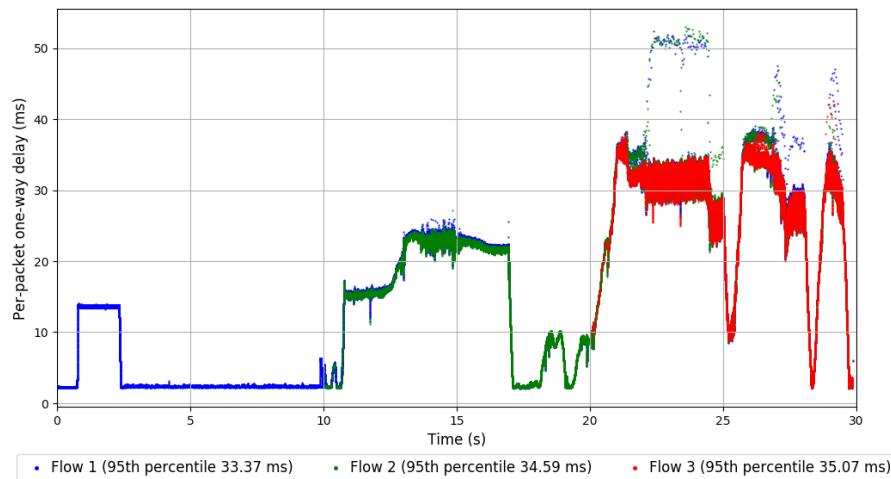
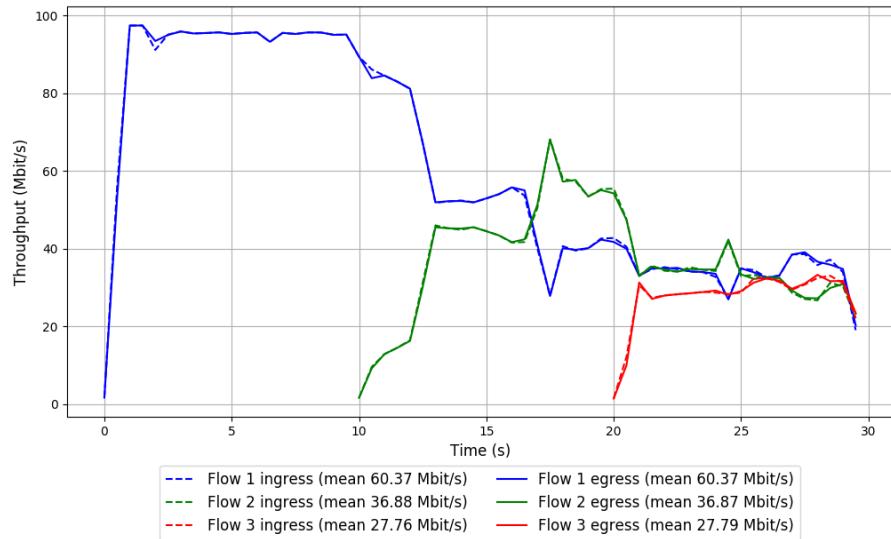


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-04-03 17:48:01
End at: 2018-04-03 17:48:31
Local clock offset: -7.225 ms
Remote clock offset: -6.645 ms

# Below is generated by plot.py at 2018-04-04 00:16:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 34.287 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.37 Mbit/s
95th percentile per-packet one-way delay: 33.372 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 34.595 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 27.79 Mbit/s
95th percentile per-packet one-way delay: 35.069 ms
Loss rate: 0.05%
```

Run 3: Report of Vivace-LTE — Data Link

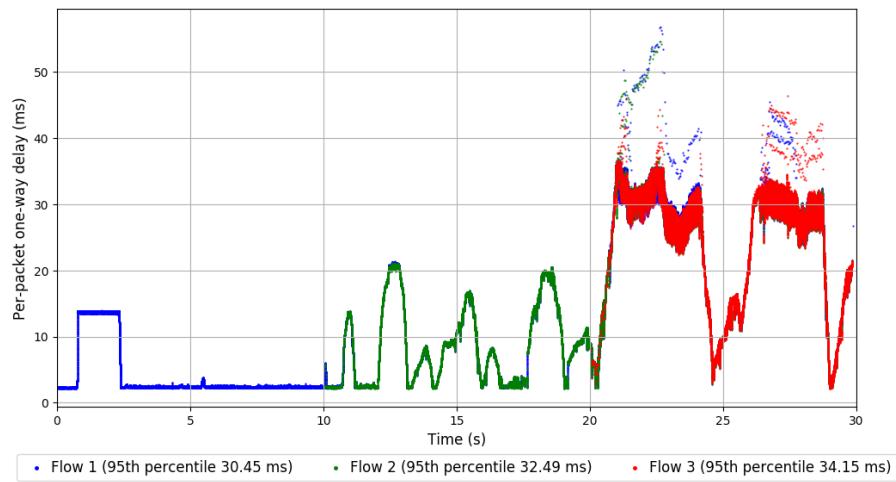
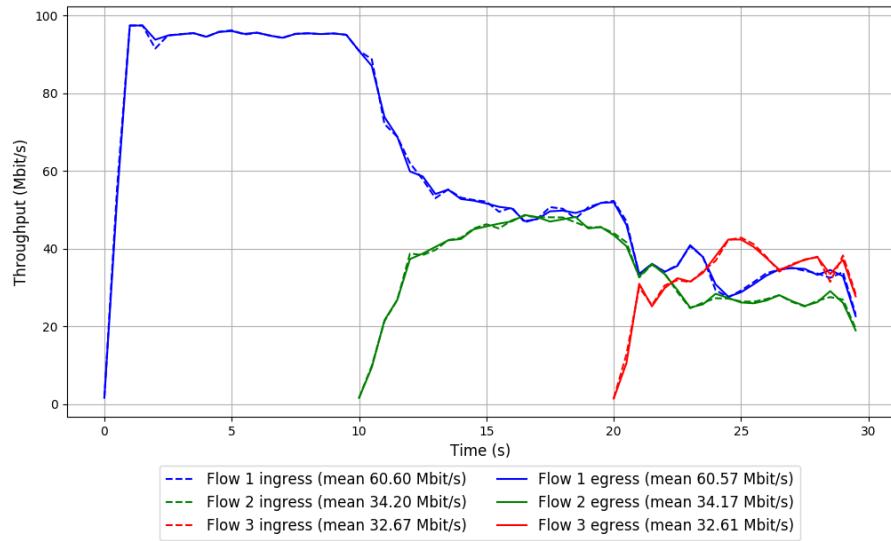


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-04-03 18:08:25
End at: 2018-04-03 18:08:55
Local clock offset: -5.566 ms
Remote clock offset: -6.853 ms

# Below is generated by plot.py at 2018-04-04 00:16:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 31.958 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 60.57 Mbit/s
95th percentile per-packet one-way delay: 30.451 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 32.491 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 32.61 Mbit/s
95th percentile per-packet one-way delay: 34.153 ms
Loss rate: 0.29%
```

Run 4: Report of Vivace-LTE — Data Link

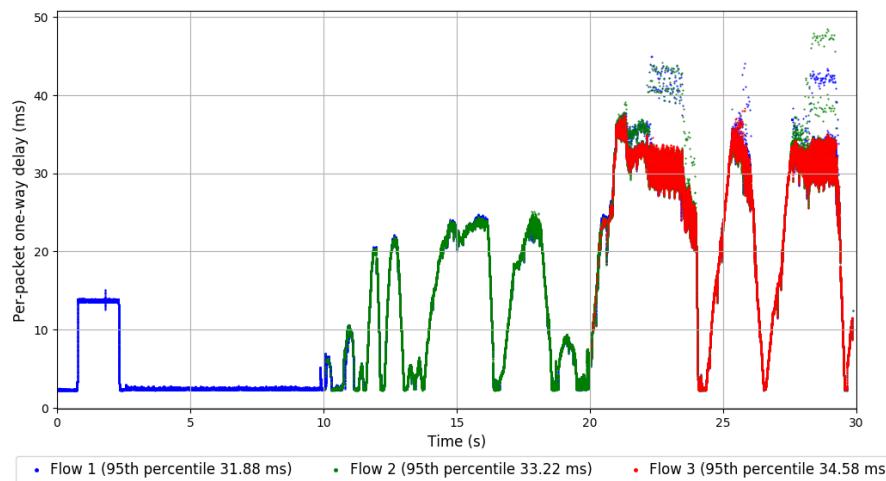
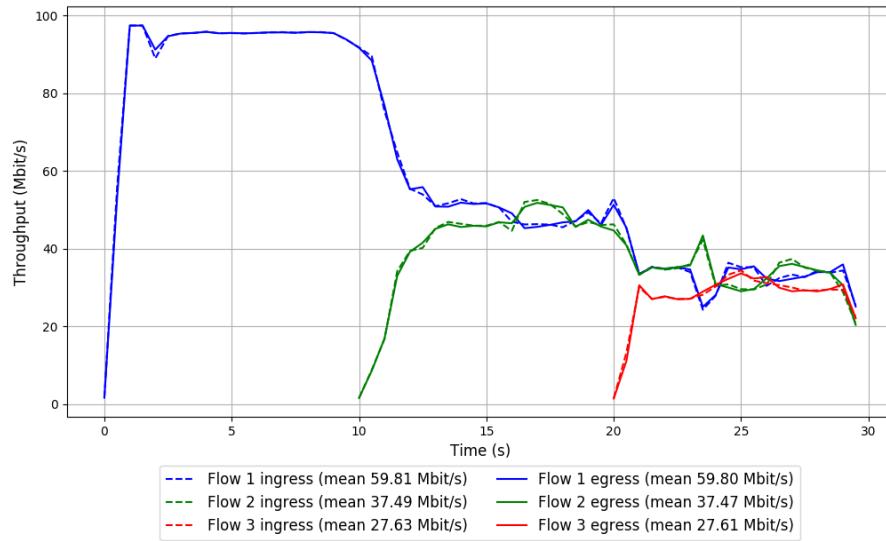


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-04-03 18:28:52
End at: 2018-04-03 18:29:22
Local clock offset: -5.719 ms
Remote clock offset: -6.915 ms

# Below is generated by plot.py at 2018-04-04 00:16:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.77 Mbit/s
95th percentile per-packet one-way delay: 33.016 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 31.875 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 37.47 Mbit/s
95th percentile per-packet one-way delay: 33.221 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 27.61 Mbit/s
95th percentile per-packet one-way delay: 34.581 ms
Loss rate: 0.15%
```

Run 5: Report of Vivace-LTE — Data Link

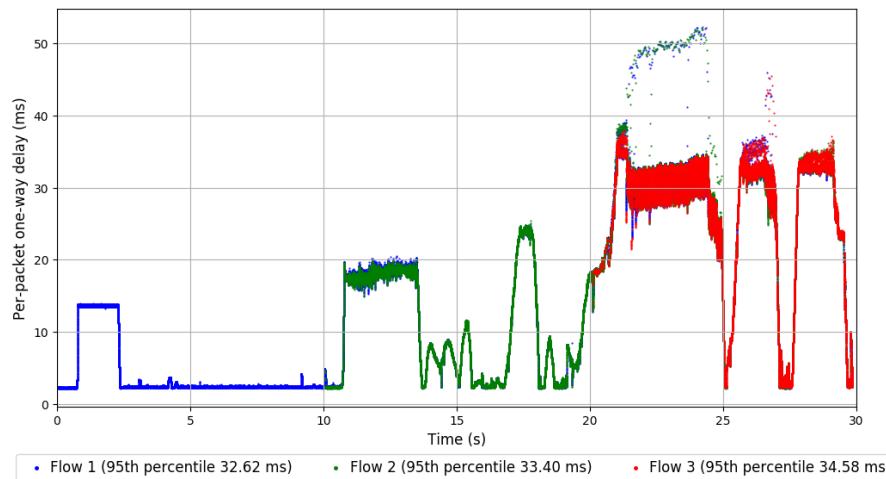
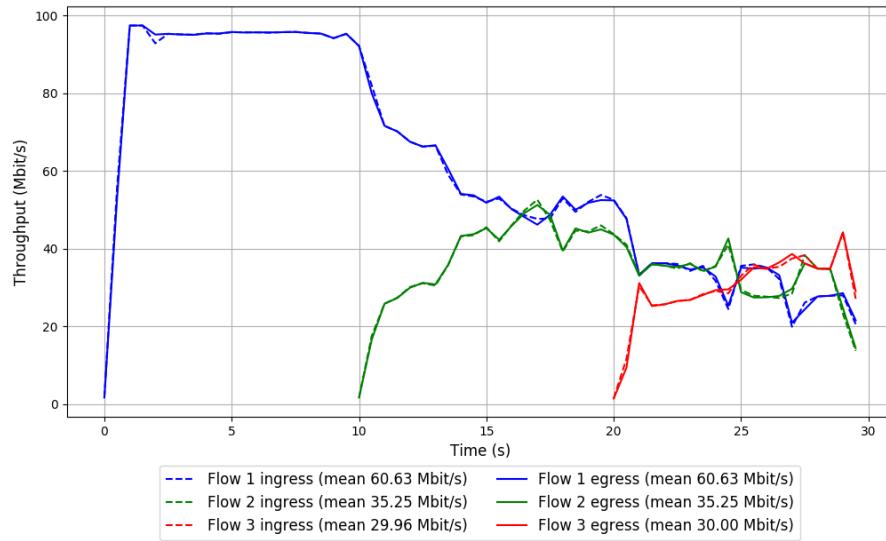


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-04-03 18:49:18
End at: 2018-04-03 18:49:48
Local clock offset: -5.846 ms
Remote clock offset: -6.39 ms

# Below is generated by plot.py at 2018-04-04 00:16:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 33.157 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 32.620 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 35.25 Mbit/s
95th percentile per-packet one-way delay: 33.399 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 30.00 Mbit/s
95th percentile per-packet one-way delay: 34.575 ms
Loss rate: 0.07%
```

Run 6: Report of Vivace-LTE — Data Link

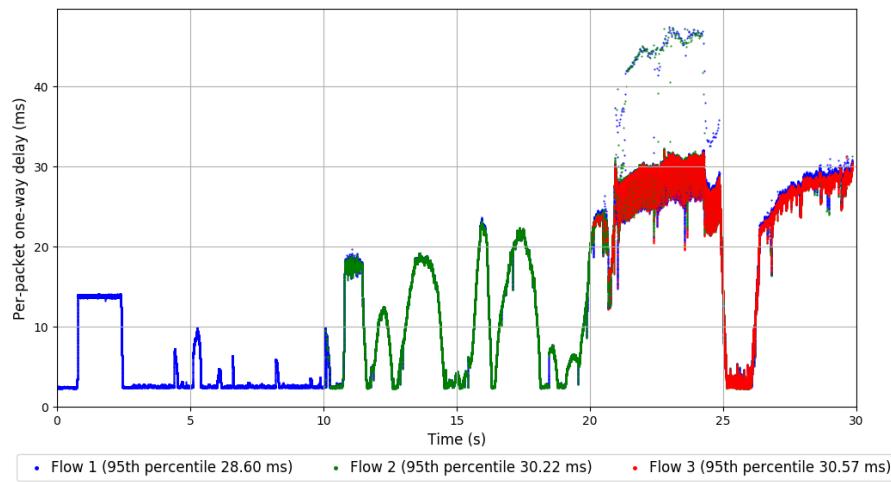
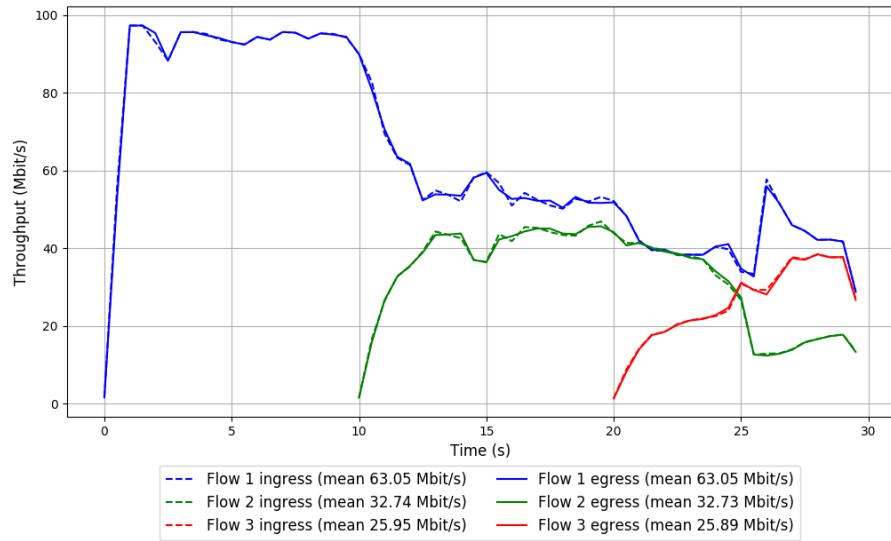


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-04-03 19:09:42
End at: 2018-04-03 19:10:12
Local clock offset: -6.705 ms
Remote clock offset: -6.722 ms

# Below is generated by plot.py at 2018-04-04 00:16:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.28 Mbit/s
95th percentile per-packet one-way delay: 29.434 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 28.597 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 32.73 Mbit/s
95th percentile per-packet one-way delay: 30.223 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 25.89 Mbit/s
95th percentile per-packet one-way delay: 30.574 ms
Loss rate: 0.46%
```

Run 7: Report of Vivace-LTE — Data Link

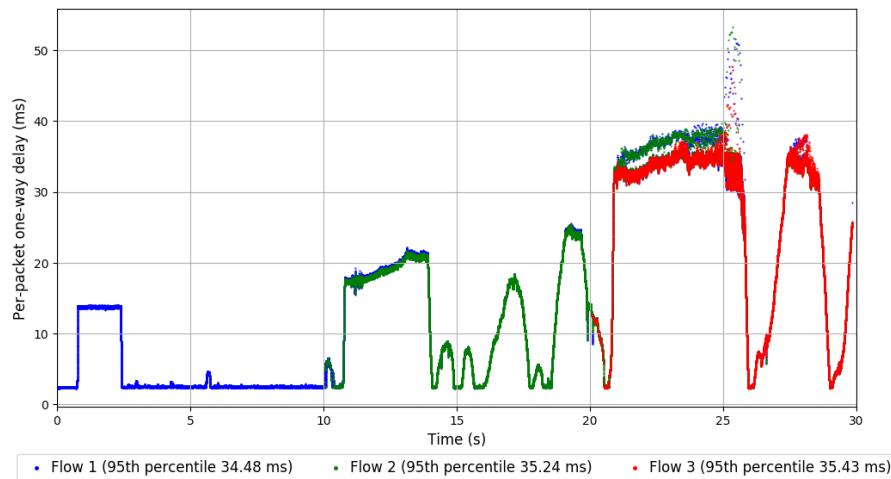
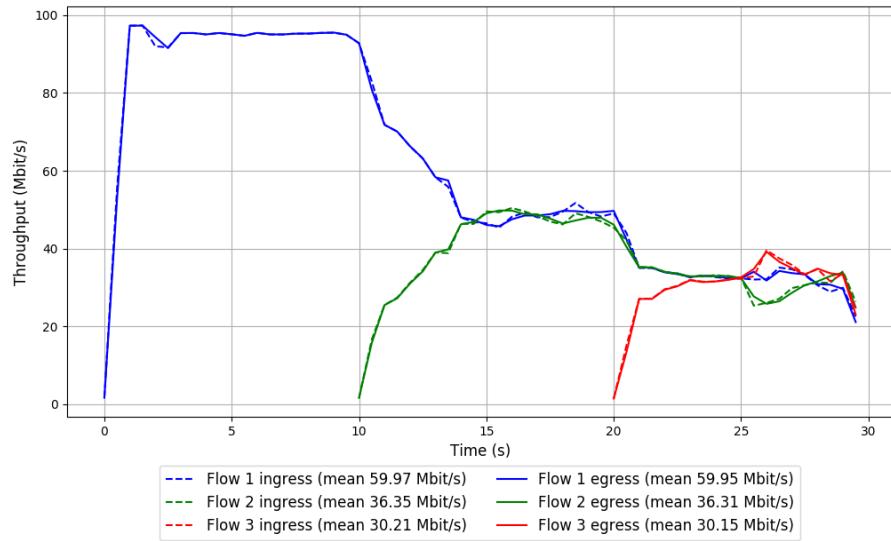


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-04-03 19:30:06
End at: 2018-04-03 19:30:36
Local clock offset: -6.932 ms
Remote clock offset: -6.965 ms

# Below is generated by plot.py at 2018-04-04 00:16:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 35.029 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 34.479 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 36.31 Mbit/s
95th percentile per-packet one-way delay: 35.238 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 30.15 Mbit/s
95th percentile per-packet one-way delay: 35.430 ms
Loss rate: 0.34%
```

Run 8: Report of Vivace-LTE — Data Link

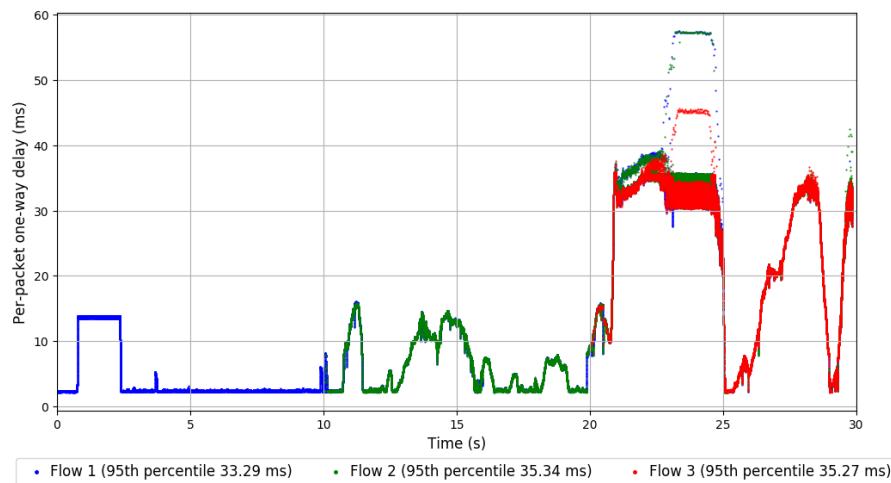
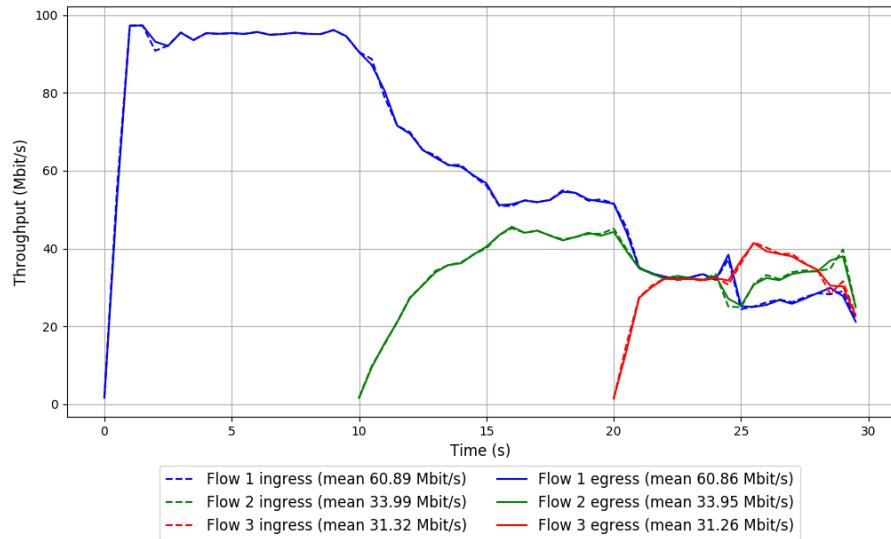


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-04-03 19:50:29
End at: 2018-04-03 19:50:59
Local clock offset: -6.65 ms
Remote clock offset: -6.943 ms

# Below is generated by plot.py at 2018-04-04 00:16:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.70 Mbit/s
95th percentile per-packet one-way delay: 34.836 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 33.289 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 35.335 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 31.26 Mbit/s
95th percentile per-packet one-way delay: 35.273 ms
Loss rate: 0.30%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-04-03 20:10:54
End at: 2018-04-03 20:11:24
Local clock offset: -6.164 ms
Remote clock offset: -6.985 ms

# Below is generated by plot.py at 2018-04-04 00:16:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 33.636 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 57.33 Mbit/s
95th percentile per-packet one-way delay: 32.028 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 39.41 Mbit/s
95th percentile per-packet one-way delay: 34.005 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 29.41 Mbit/s
95th percentile per-packet one-way delay: 34.785 ms
Loss rate: 0.37%
```

Run 10: Report of Vivace-LTE — Data Link

