1 Reconstruction trace file

The trace is made as follows:

status	time	type	fid	seqno	decoded	size	retrans

Where:

- **status**: the type of event that occured. It can be:
  - r : a packet is received by the reconstruction buffer
  - s : a packet has been decoded and forwarded to the next element
  - d : a packet has not been decoded and is dropped
- **time**: the time of the event
- **type**: the packet type: TCP, pareto, FEC, etc.
- **fid**: the packet flow id. If type is FEC, fid corresponds to the packet stored in the buffer for whom FEC has been sent
- **seqno**: the packet sequence number. If type is FEC, seqno corresponds to the packet stored in the buffer for whom FEC has been sent
- **decoded**: 1 if the packet has been decoded, 0 otherwise
- **size**: the size in bytes
- **retrans**: the current number of retransmissions

2 Reordering trace file

The trace is made as follows:

status	time	type	fid	seqno	size	favor	reason	buf_size

Where:

- **status**: the type of event that occured. It can be:
  - r : a packet is received by the reordering buffer
  - s : a packet is sent to the next element
  - d : a packet is dropped
- **time**: the time of the event
- **type**: the packet type: TCP, pareto, etc.
- **fid**: the packet flow id
- **seqno**: the packet sequence number
- **size**: the size in bytes
- **favor**: 1 if the packet is favored, 0 otherwise
- **reason**: if status = drop, the reason is:
  - 1 : the buffer is full
  - 2 : the packet reached max time
  - 3 : the packet is dropped due to a favored packet entering

  0 otherwise
- **buf_size**: the number of packets in the buffer

3 Queue trace file

The trace is made as follows:

status	time	fid	size	index	nb_drop	cause

Where:

- **status**: the type of event that occured. It can be:
  - r : a packet is received by the reordering buffer
  - s : a packet is sent to the next element
  - d : one or more packets are dropped
- **time**: the time of the event
- **fid**: the packet flow id
- **size**: the number of packets in the queue
- **index**: the queue number
- **nb_drop**: the number of packets dropped (in case of timeout)
- **cause**: if status = drop, the cause can be:
  - 1 : DropTail
  - 2 : Timeout