Audio Descriptor Analysis

sort grains by pitch

go to patch

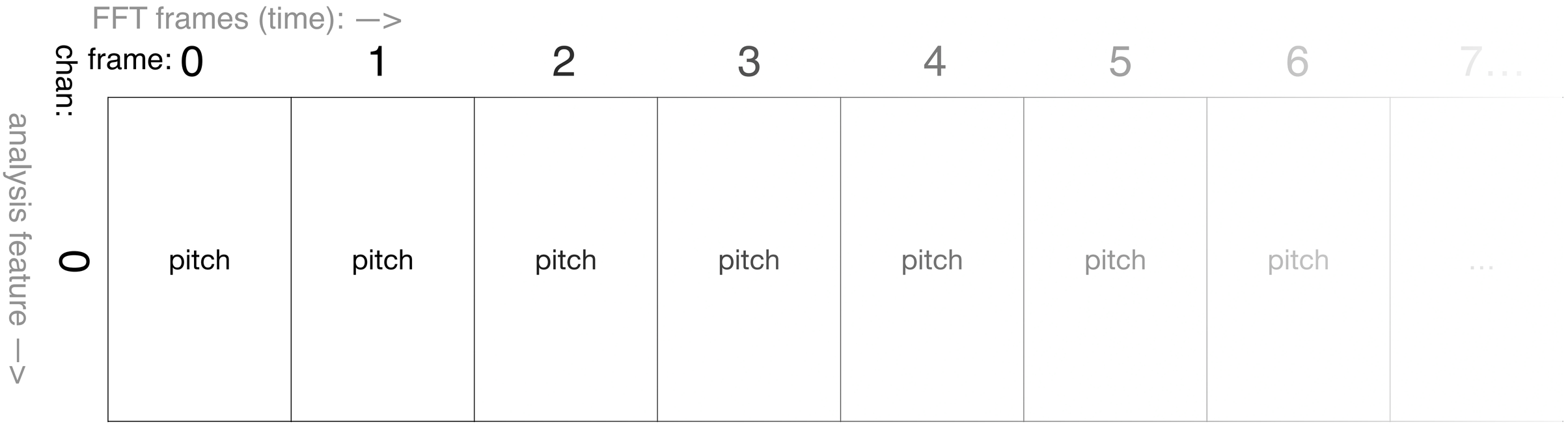
FluidBufPitch writes the analysis to a buffer

FFT frames (time): —>

chan: \ frame:	0	1	2	3	4	5	6	7…
0	pitch	pitch	pitch	pitch	pitch	pitch	pitch	…
1	pitch confidence	pitch confidence	pitch confidence	pitch confidence	pitch confidence	pitch confidence	pitch confidence	…

analysis feature —>

FluidBufPitch writes the analysis to a buffer

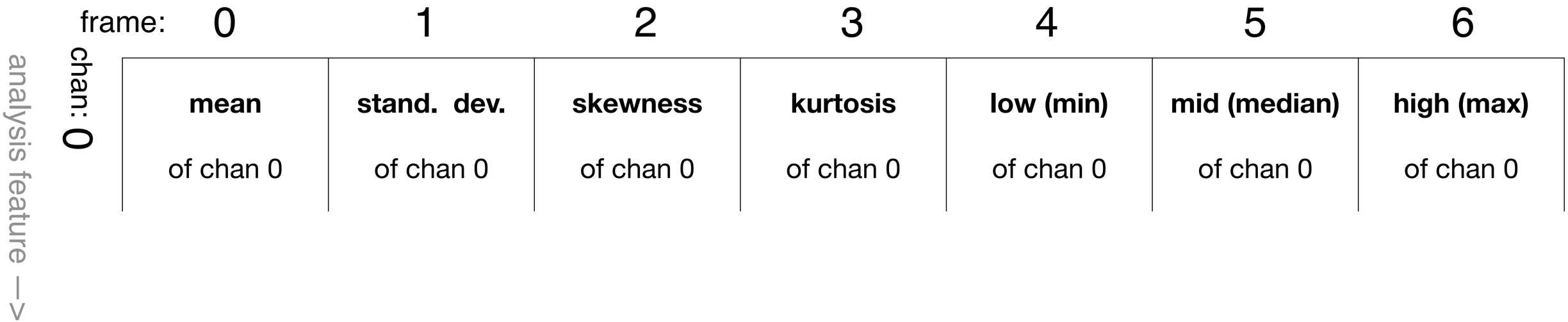


FluidBufStats writes the analysis to *another* buffer

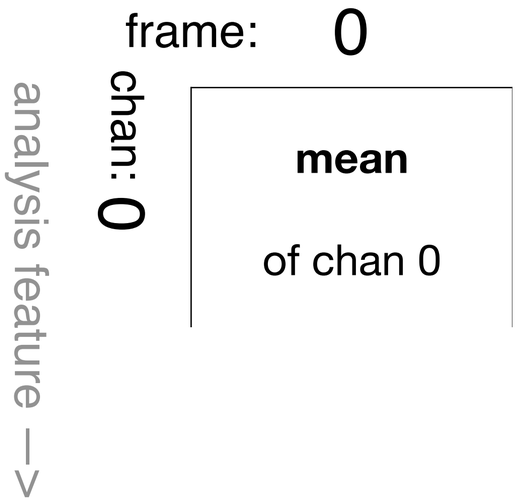
frame:	0	1	2	3	4	5	6
chan: 0	**mean** of chan 0	**stand. dev.** of chan 0	**skewness** of chan 0	**kurtosis** of chan 0	**low (min)** of chan 0	**mid (median)** of chan 0	**high (max)** of chan 0
1	**mean** of chan 1	**stand. dev.** of chan 1	**skewness** of chan 1	**kurtosis** of chan 1	**low (min)** of chan 1	**mid (median)** of chan 1	**high (max)** of chan 1
…	…	…	…	…	…	…	…

analysis feature —>

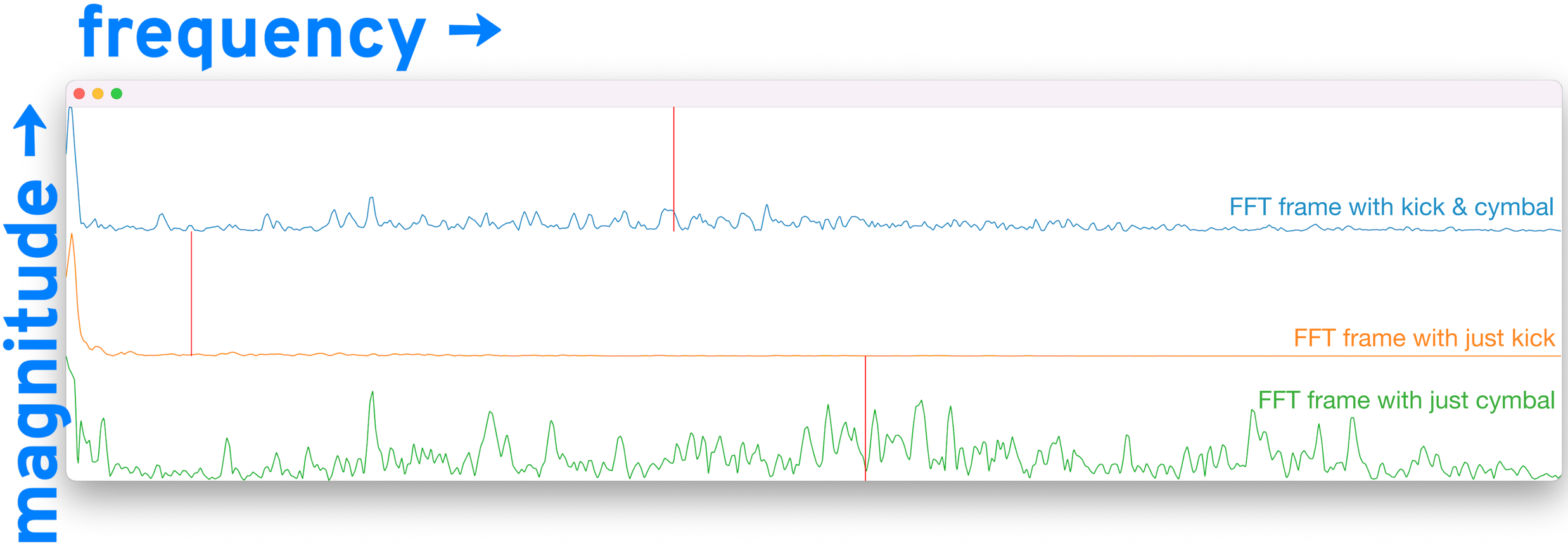
FluidBufStats writes the analysis to *another* buffer



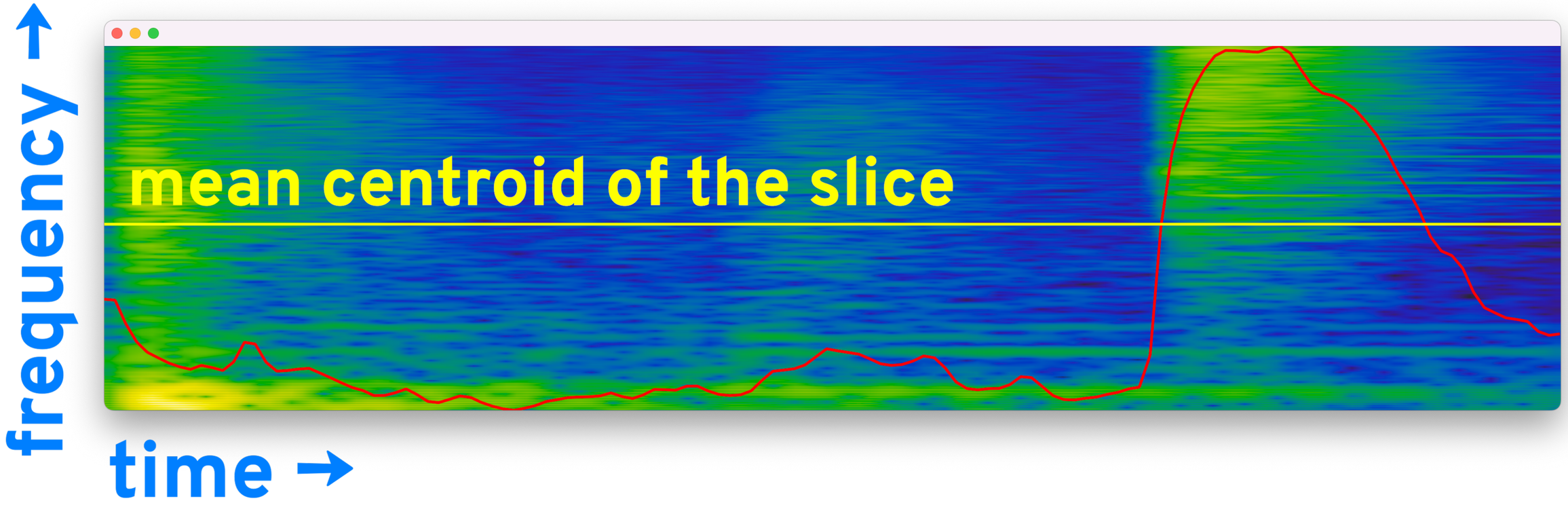
FluidBufStats writes the analysis to *another* buffer



Statistics: mean spectral centroid



Statistics: mean spectral centroid



*color = magnitude

FluidPlotter (2D space)

plotting drum hits by spectral centroid and loudness

patch it

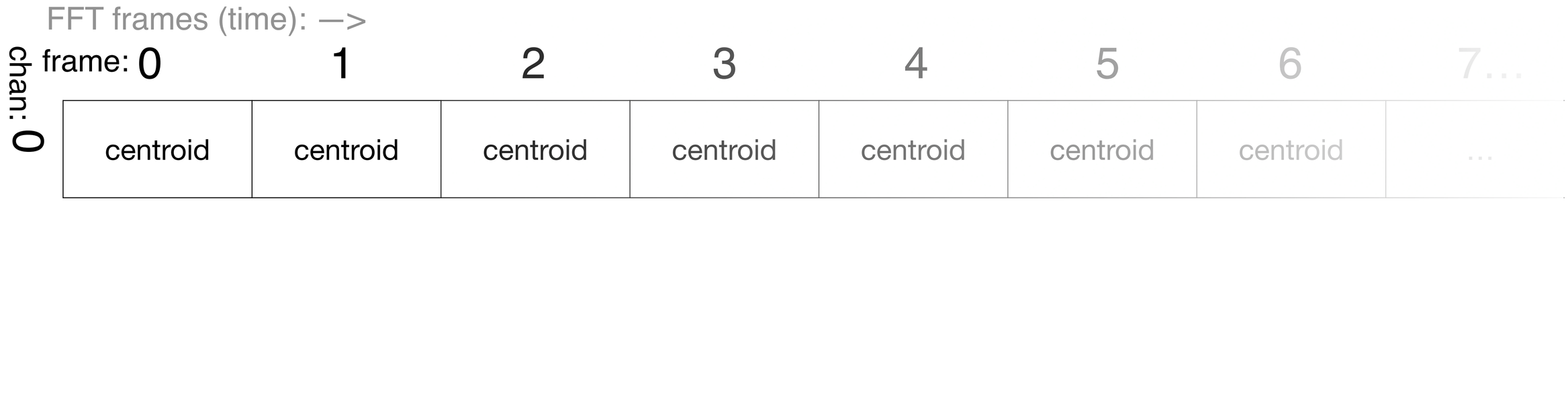
FluidBufSpectralShape writes the analysis to a buffer

FFT frames (time): —>

chan: \ frame:	0	1	2	3	4	5	6	7…
0	centroid	centroid	centroid	centroid	centroid	centroid	centroid	…
1	spread	spread	spread	spread	spread	spread	spread	…
2	skewness	skewness	skewness	skewness	skewness	skewness	skewness	…
3	kurtosis	kurtosis	kurtosis	kurtosis	kurtosis	kurtosis	kurtosis	…
4	rolloff	rolloff	rolloff	rolloff	rolloff	rolloff	rolloff	…
5	flatness	flatness	flatness	flatness	flatness	flatness	flatness	…
6	crest	crest	crest	crest	crest	crest	crest	…

analysis feature —>

FluidBufSpectralShape writes the analysis to a buffer



FluidBufLoudness writes the analysis to a buffer

FFT frames (time): —>

chan: \ frame:	0	1	2	3	4	5	6	7…
0	loudness	loudness	loudness	loudness	loudness	loudness	loudness	…
1	true peak	true peak	true peak	true peak	true peak	true peak	true peak	…

analysis feature —>

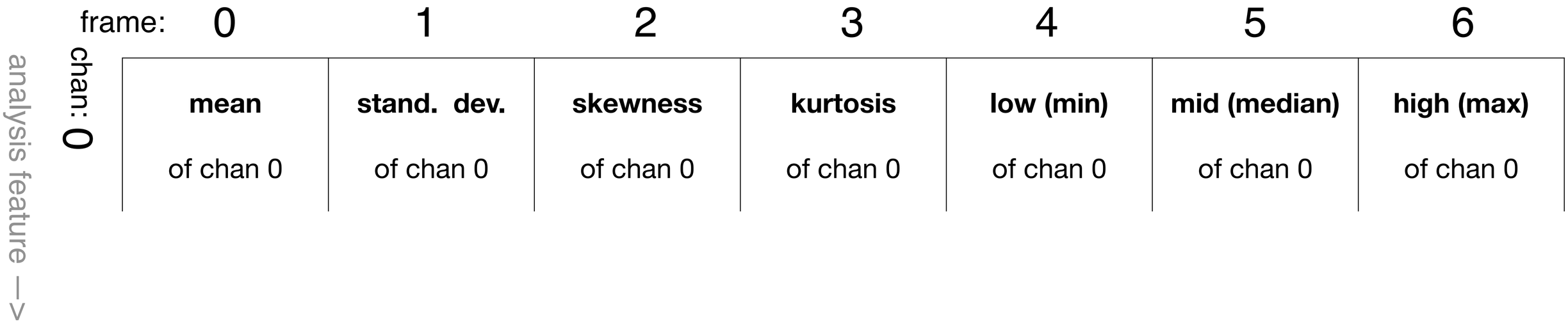
FluidBufLoudness writes the analysis to a buffer

FluidBufStats writes the analysis to *another* buffer

frame:	0	1	2	3	4	5	6
chan: 0	**mean** of chan 0	**stand. dev.** of chan 0	**skewness** of chan 0	**kurtosis** of chan 0	**low (min)** of chan 0	**mid (median)** of chan 0	**high (max)** of chan 0
1	**mean** of chan 1	**stand. dev.** of chan 1	**skewness** of chan 1	**kurtosis** of chan 1	**low (min)** of chan 1	**mid (median)** of chan 1	**high (max)** of chan 1
…	…	…	…	…	…	…	…

analysis feature —>

FluidBufStats writes the analysis to *another* buffer



FluidBufStats writes the analysis to *another* buffer