groundtruth =

0.0130 0.3570

0.4140 0.8350

0.8730 1.3070

1.3950 1.7990

All below are for 30 bandpass channels

**plain signal**

(1: original segmentation system: params see end)

0 0.15766

0.39177 0.73011

0.87902 1.2211

1.3972 1.7507

(2: using LIF neurons: params see end)

0.01 0.19

0.235 0.54

0.57 0.77

0.895 1.035

1.07 1.255

1.415 1.57

1.59 1.735

(3: using LIF neurons: params see end: w onset/offset = 125)

0.015 0.29

0.465 0.72

0.9 1.215

1.41 1.735

(4 as 3: using LIF neurons: params see end: w onset/offset =150)

0.015 0.28

0.465 0.715

0.895 1.21

1.415 1.745

**Added noise (filelist\_noise.txt)**

(1: original segmentation system: params see end)

0 1.2234

1.2678 1.6175

1.6639 2.1074

(2: using LIF neurons: params see end)

0.01 0.145

0.165 0.32

0.355 0.505

0.515 0.64

0.675 0.74

0.785 0.895

0.905 1.04

1.095 1.21

1.235 1.39

1.425 1.49

1.54 1.7

1.77 1.905

1.91 2.015

(3: using LIF neurons: params see end)

0.035 0.645

0.91 1.225

1.425 2.095

(4 as 3: using LIF neurons: params see end: w onset/offset =150)

0.02 0.165

0.295 0.655

0.915 1.22

1.275 1.505

1.535 1.71

1.775 2.1

**Added tone (filelist\_tone.txt)**

(1: original segmentation system: params see end)

0 0.15646

0.22113 0.36324

0.3907 0.73592

0.87862 1.7542

1.825 2.1019

(2: using LIF neurons: params see end)

0.005 0.28

0.475 0.725

0.905 1.125

1.17 1.49

1.53 2.09

(3: using LIF neurons: params see end)

0.035 0.135

0.48 0.605

0.895 1.56

1.595 2.09

(4 as 3: using LIF neurons: params see end: w onset/offset =150)

0.01 0.16

0.48 0.605

0.9 1.57

1.595 2.09

**Added tone (+6dB) filelist\_toneplus6.txt**

(1: original segmentation system: params see end)

0 0.15624

0.21308 0.73601

0.82841 1.7553

1.8058 2.1024

(2: using LIF neurons: params see end)

0.035 0.135

0.48 0.605

0.895 1.56

1.595 2.09

(3: using LIF neurons: params see end)

0.005 2.095

(4 as 3: using LIF neurons: params see end: w onset/offset =150)

0.045 2.09

(1: params

sigma1: 0.0200

sigmaratio: 1.1000

dtperelement: 2.2676e-05

nsamples: 4000

minCochFreq: 100

maxcochfreq: 5000

n\_erbs: 1

nfilt: 1

smoothlength: 0.0100

threshold: 0.0400

g\_quiet: 0.0500

k\_minmin: 0.4000

segstartadjust: 0.0500

minseglength: 0.1000

date: '10-Apr-2019')

(2: params:

sigma1: 0.0200

sigmaratio: 1.1000

dtperelement: 2.2676e-05

nsamples: 4000

minCochFreq: 100

maxcochfreq: 5000

n\_erbs: 1

nfilt: 1

smoothlength: 0.0100

threshold: 0.0400

g\_quiet: 0.0500

k\_minmin: 0.4000

segstartadjust: 0.0500

minseglength: 0.1000

onset\_diss: 100

onset\_rp: 0.0500

onset\_wt: 250

offset\_diss: 100

offset\_rp: 0.0500

offset\_wt: 250

comvergence: 6

logonset: 1

summarysteplength: 0.0050

summaryintegratelength: 0.0200

shortestsegment: 0

date: '10-Apr-2019')

(3: params as above, except onset\_wt, offset\_wt = 125)