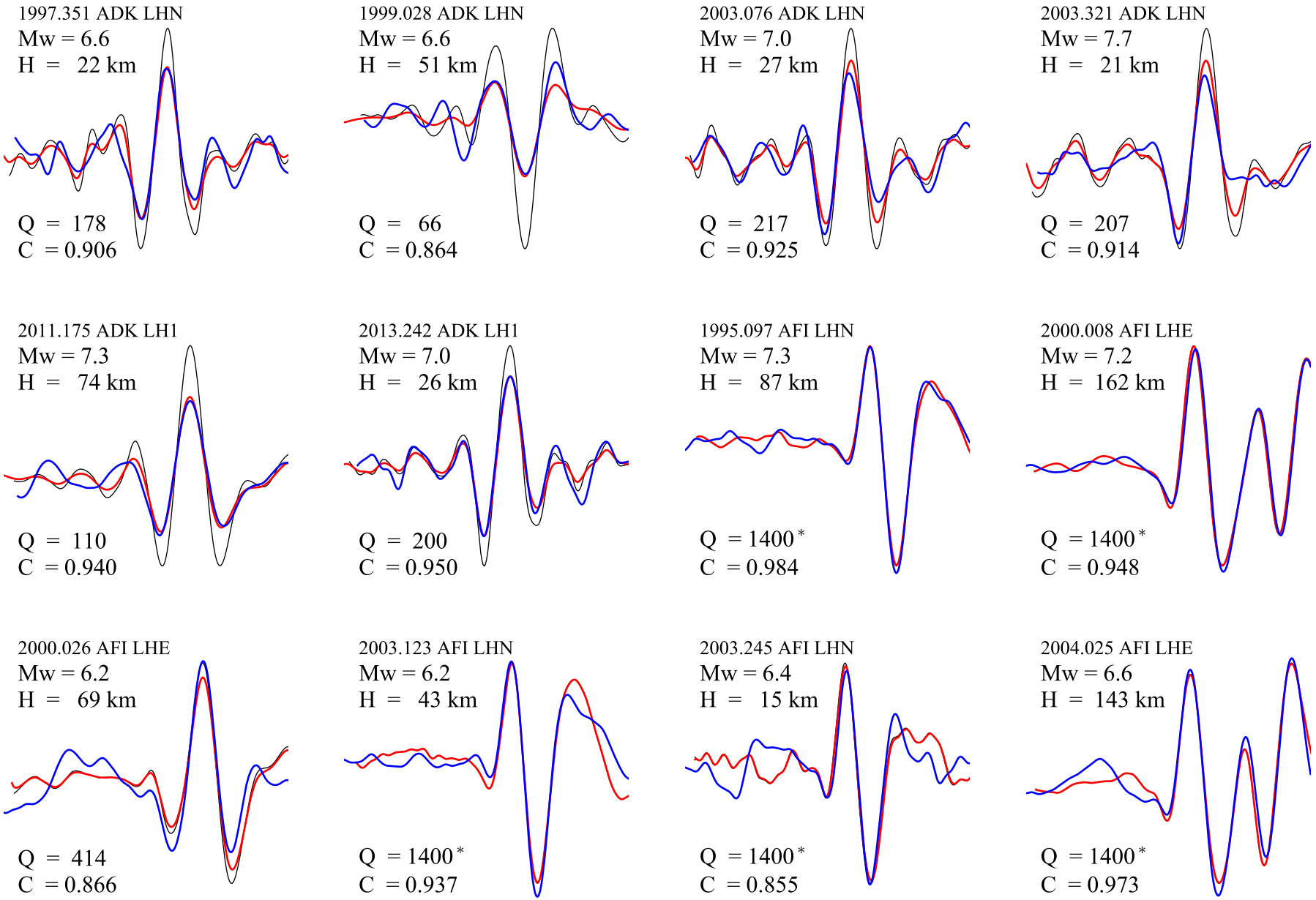
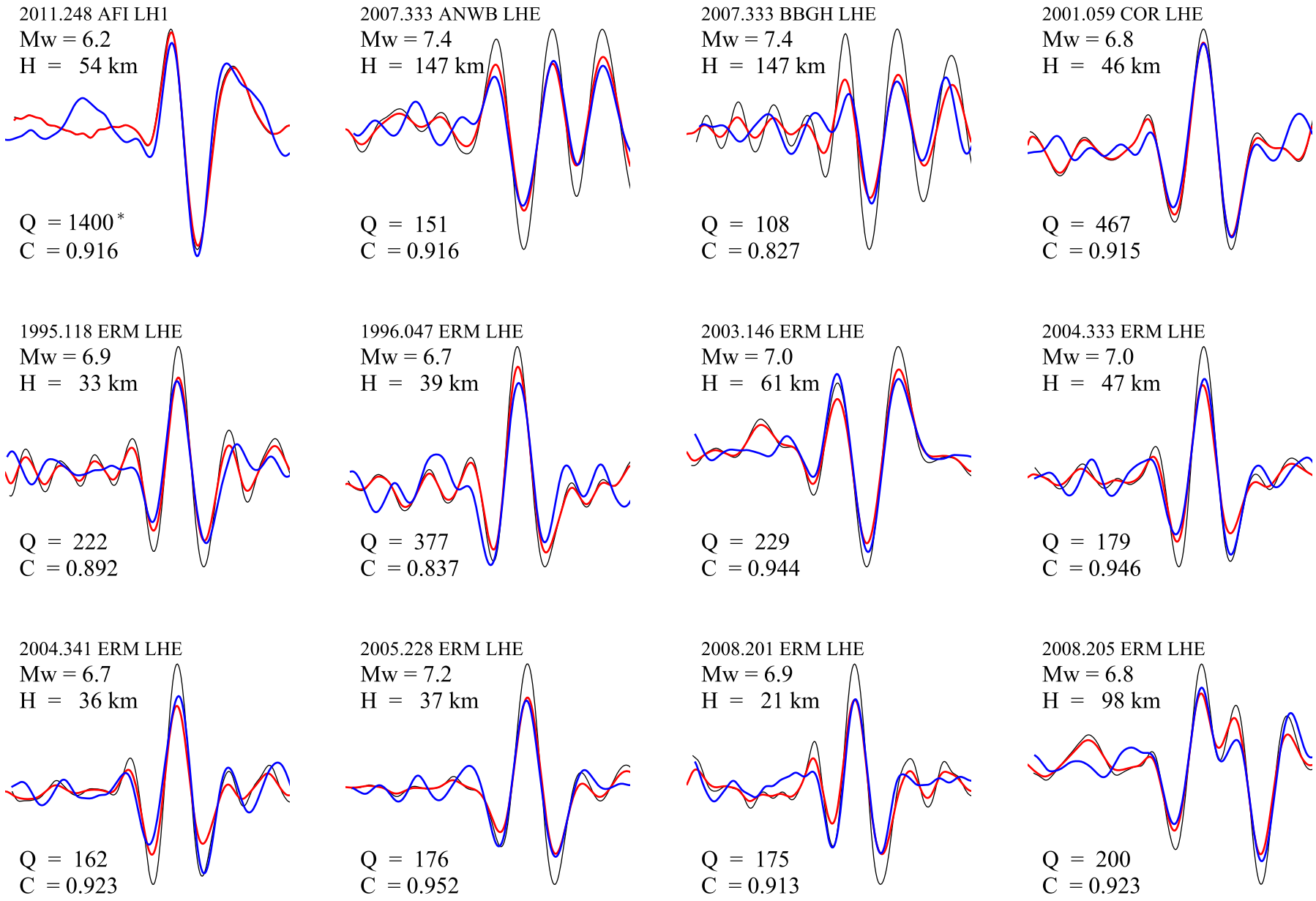
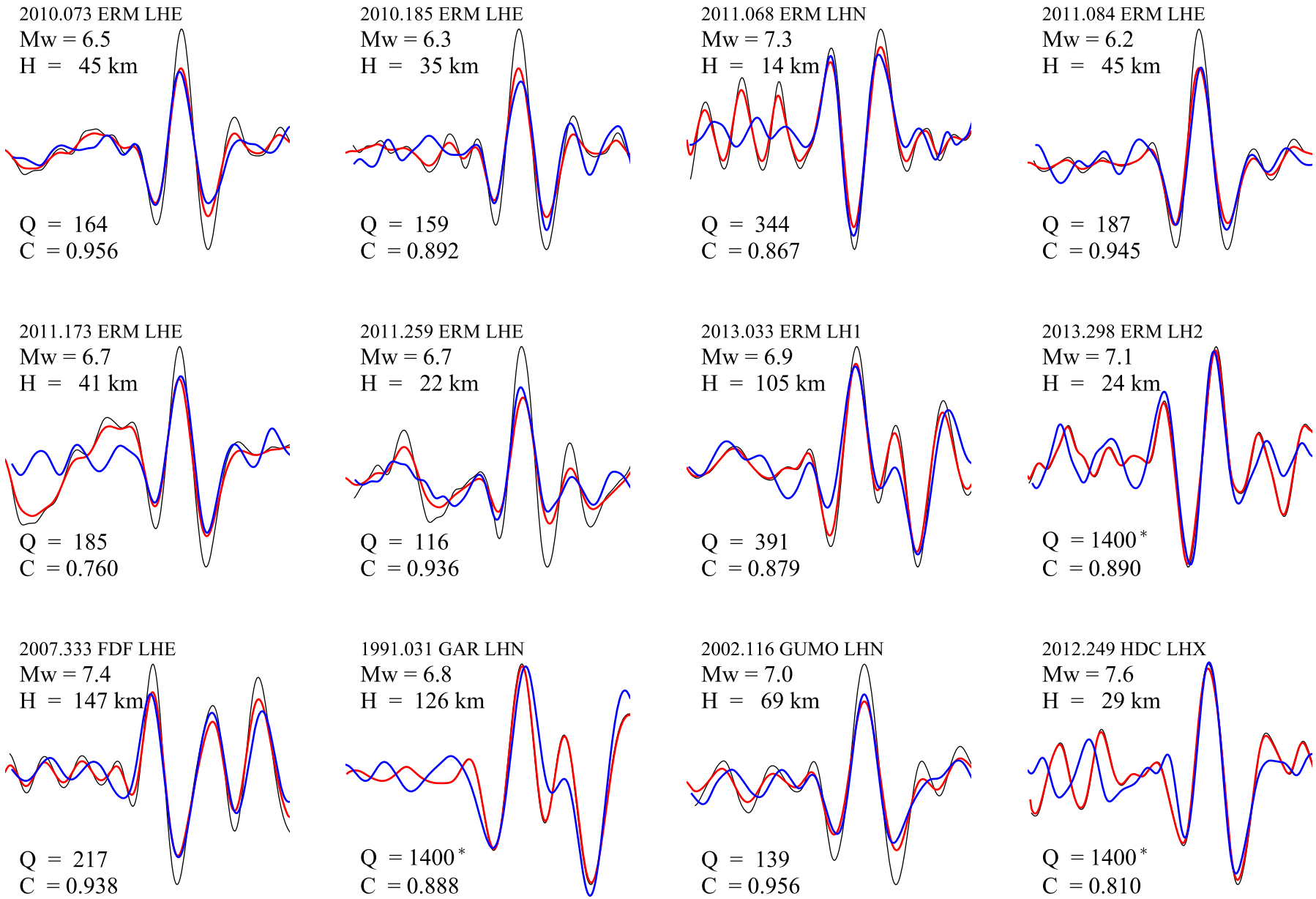
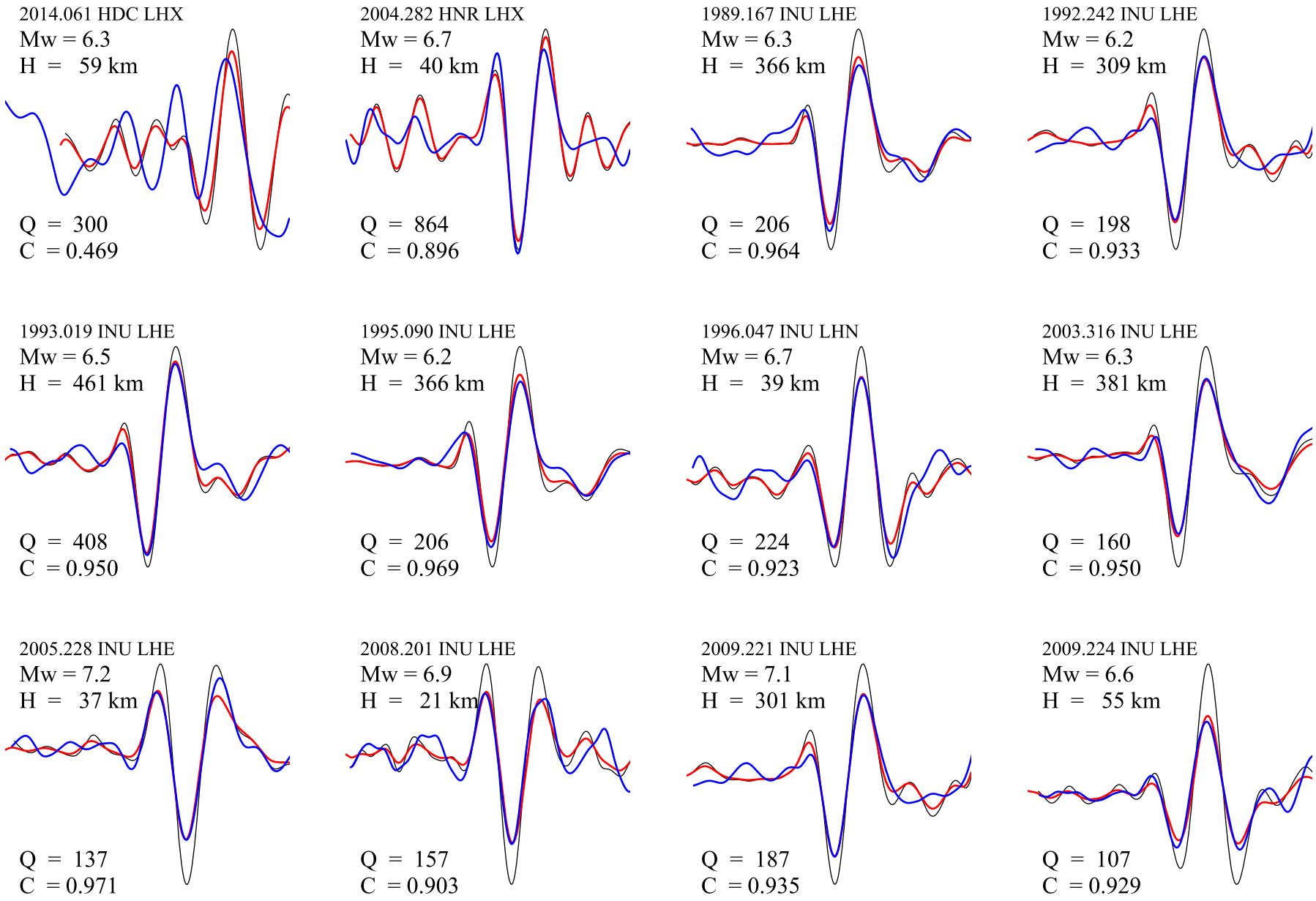
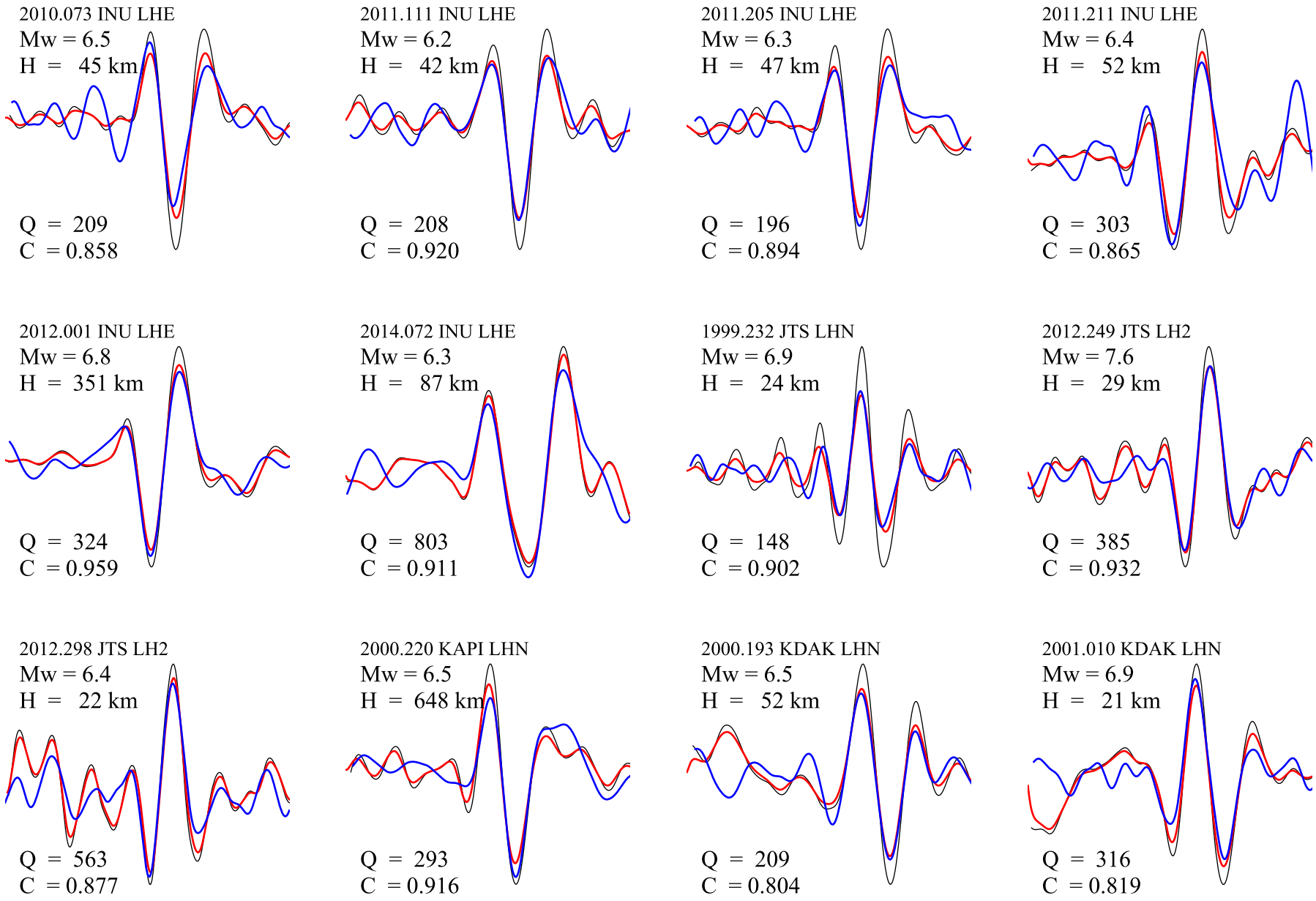
ScS_1 and ScS_2 waveforms and Q-fit

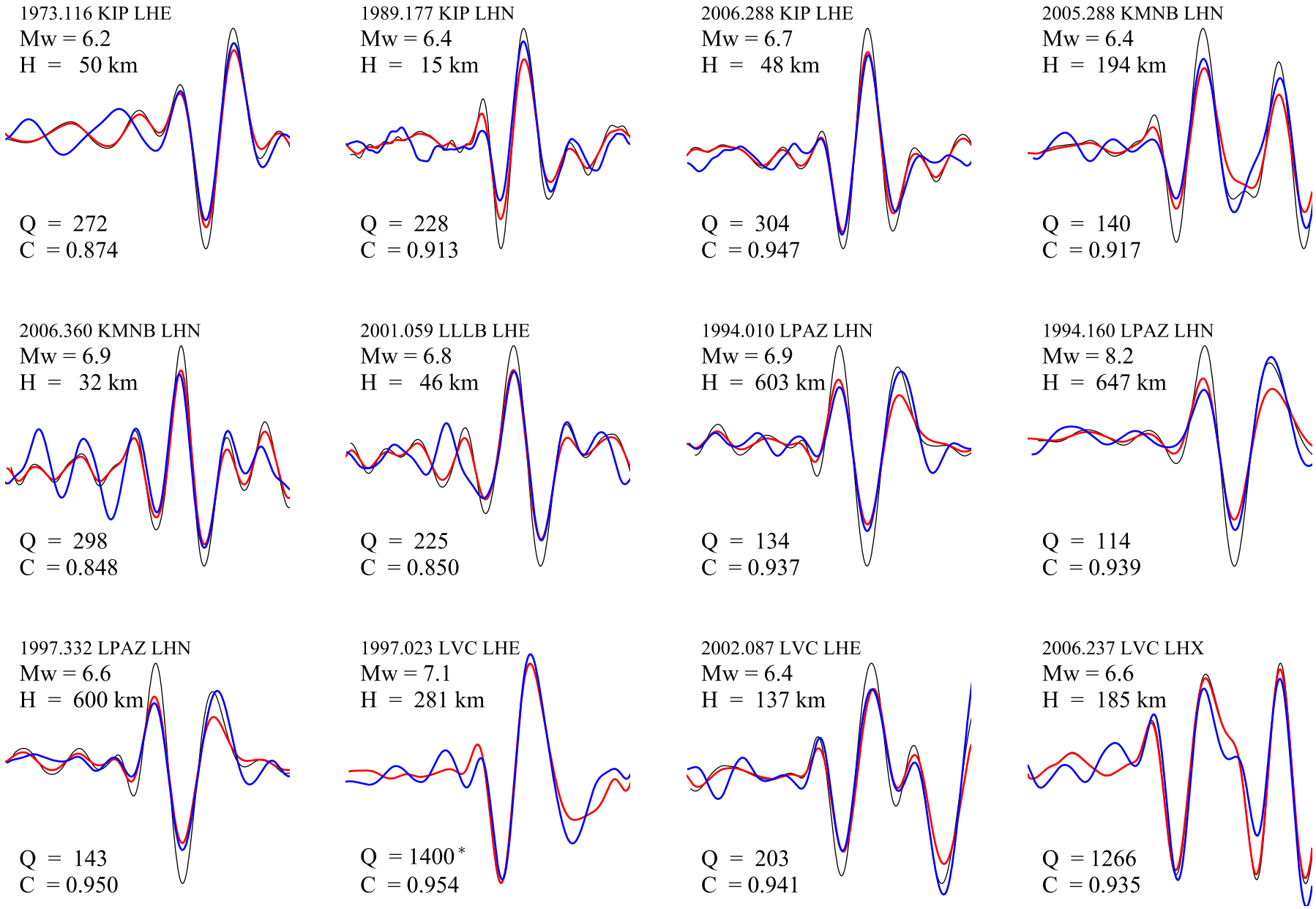


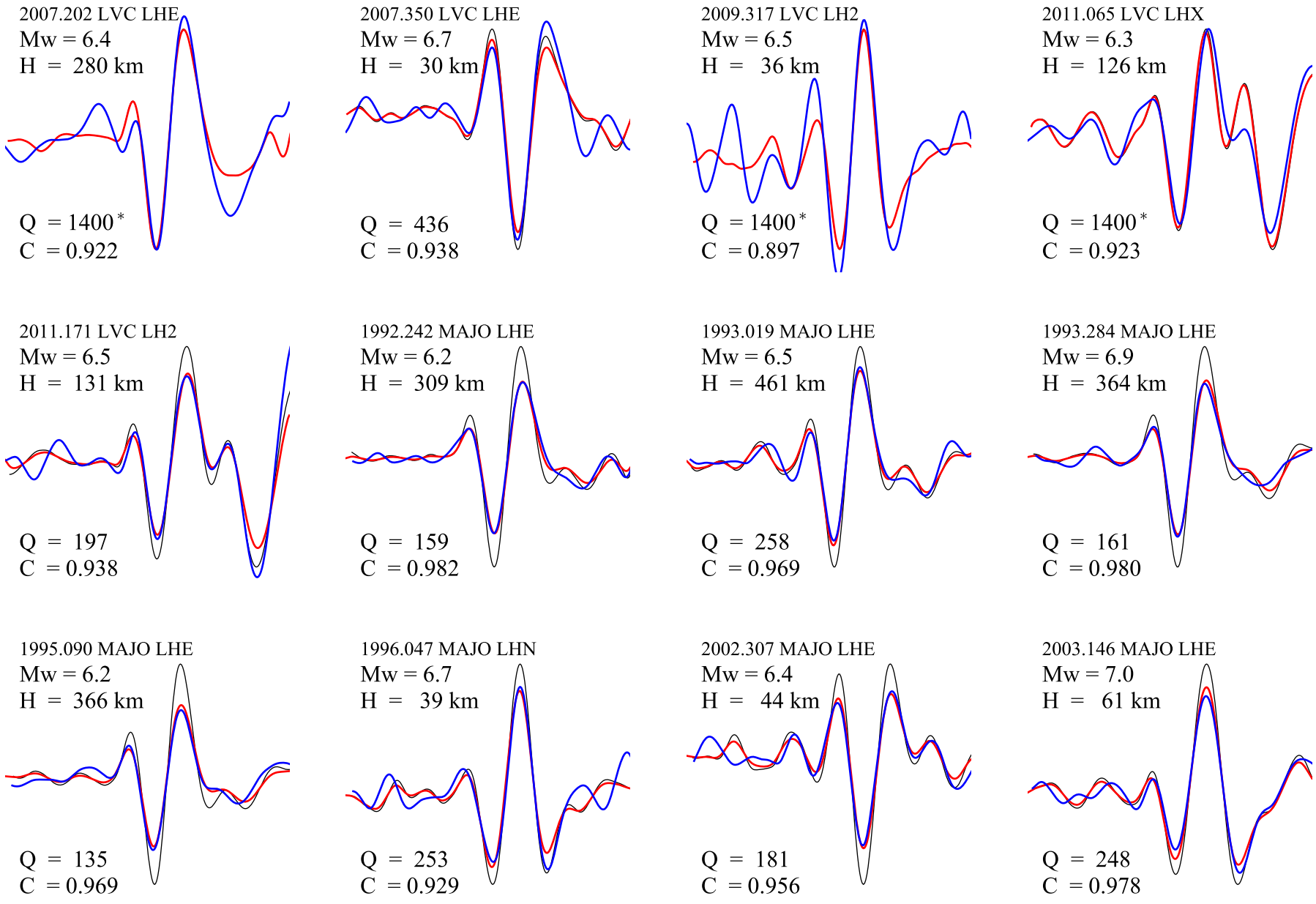

2011.248 AFI LH1
Mw = 6.2
H = 54 km
Q = 1400*
C = 0.916
2007.333 ANWB LHE
Mw = 7.4
H = 147 km
Q = 151
C = 0.916
2007.333 BBGH LHE
Mw = 7.4
H = 147 km
Q = 108
C = 0.827
2001.059 COR LHE
Mw = 6.8
H = 46 km
Q = 467
C = 0.915
1995.118 ERM LHE
Mw = 6.9
H = 33 km
Q = 222
C = 0.892
1996.047 ERM LHE
Mw = 6.7
H = 39 km
Q = 377
C = 0.837
2003.146 ERM LHE
Mw = 7.0
H = 61 km
Q = 229
C = 0.944
2004.333 ERM LHE
Mw = 7.0
H = 47 km
Q = 179
C = 0.946
2004.341 ERM LHE
Mw = 6.7
H = 36 km
Q = 162
C = 0.923
2005.228 ERM LHE
Mw = 7.2
H = 37 km
Q = 176
C = 0.952
2008.201 ERM LHE
Mw = 6.9
H = 21 km
Q = 175
C = 0.913
2008.205 ERM LHE
Mw = 6.8
H = 98 km
Q = 200
C = 0.923

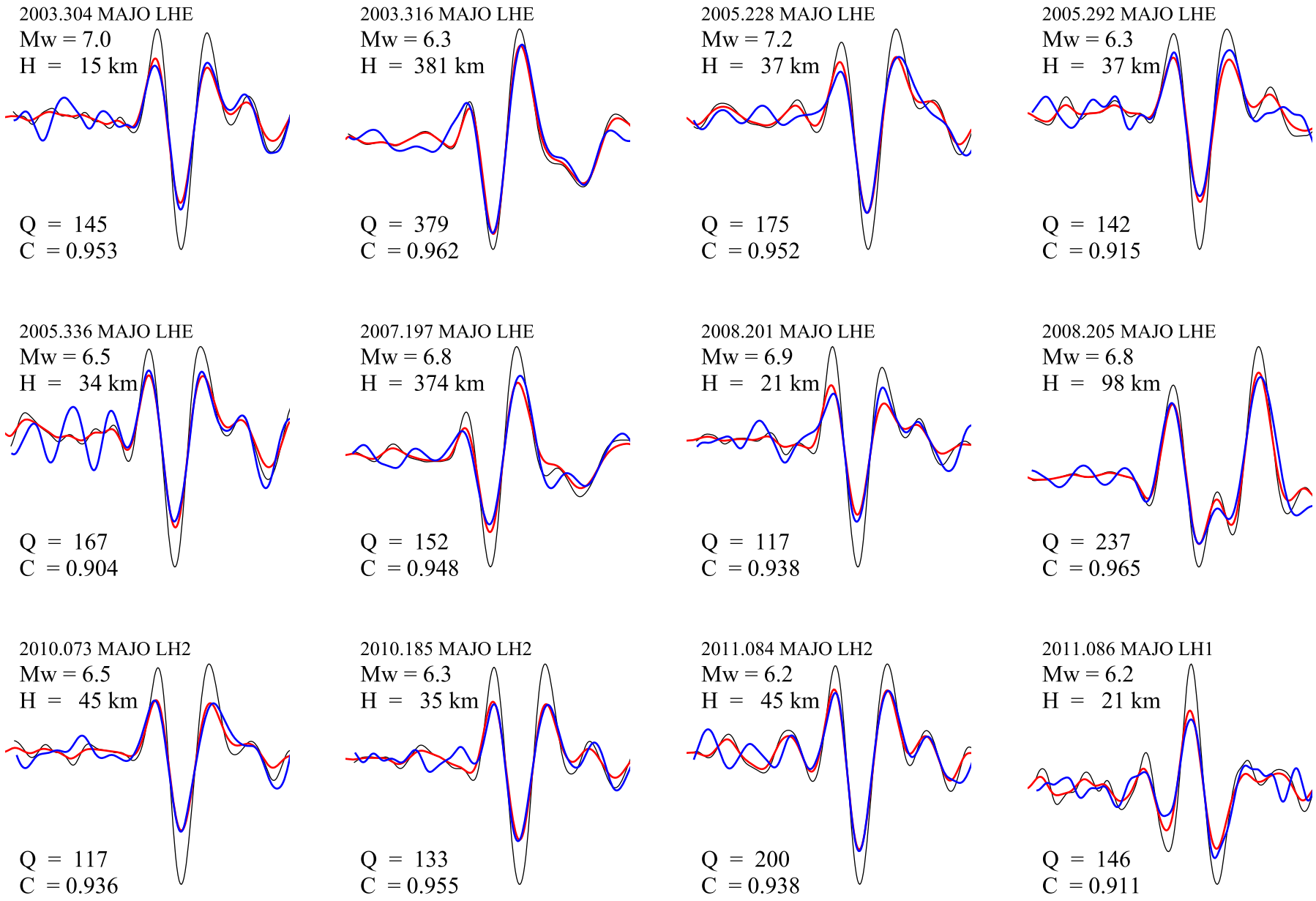

2010.073 ERM LHE
Mw = 6.5
H = 45 km
Q = 164
C = 0.956
2010.185 ERM LHE
Mw = 6.3
H = 35 km
Q = 159
C = 0.892
2011.068 ERM LHN
Mw = 7.3
H = 14 km
Q = 344
C = 0.867
2011.084 ERM LHE
Mw = 6.2
H = 45 km
Q = 187
C = 0.945
2011.173 ERM LHE
Mw = 6.7
H = 41 km
Q = 185
C = 0.760
2011.259 ERM LHE
Mw = 6.7
H = 22 km
Q = 116
C = 0.936
2013.033 ERM LH1
Mw = 6.9
H = 105 km
Q = 391
C = 0.879
2013.298 ERM LH2
Mw = 7.1
H = 24 km
Q = 1400*
C = 0.890
2007.333 FDF LHE
Mw = 7.4
H = 147 km
Q = 217
C = 0.938
1991.031 GAR LHN
Mw = 6.8
H = 126 km
Q = 1400*
C = 0.888
2002.116 GUMO LHN
Mw = 7.0
H = 69 km
Q = 139
C = 0.956
2012.249 HDC LHX
Mw = 7.6
H = 29 km
Q = 1400*
C = 0.810

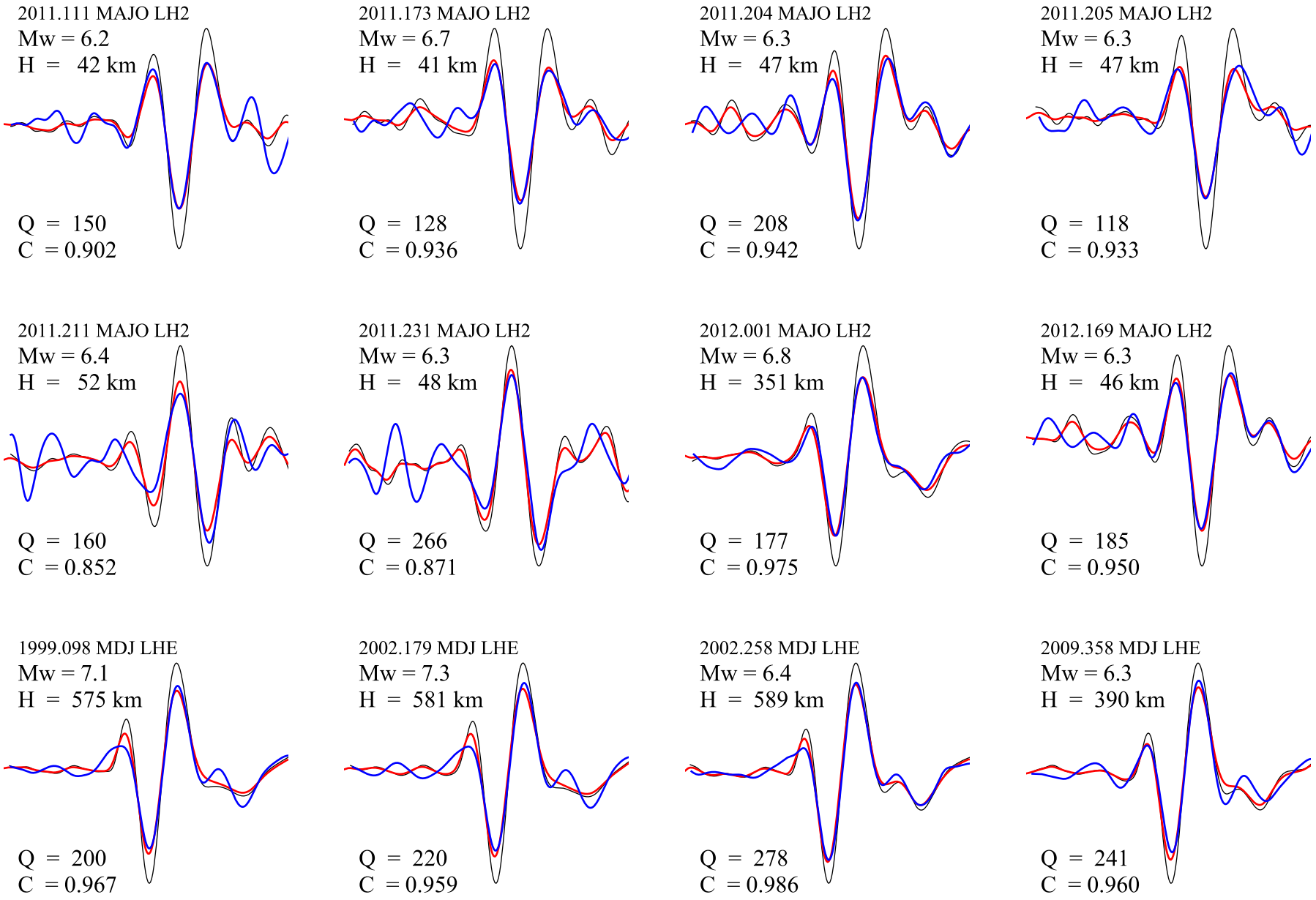

2014.061 HDC LHX
Mw = 6.3
H = 59 km
Q = 300
C = 0.469
2004.282 HNR LHX
Mw = 6.7
H = 40 km
Q = 864
C = 0.896
1989.167 INU LHE
Mw = 6.3
H = 366 km
Q = 206
C = 0.964
1992.242 INU LHE
Mw = 6.2
H = 309 km
Q = 198
C = 0.933
1993.019 INU LHE
Mw = 6.5
H = 461 km
Q = 408
C = 0.950
1995.090 INU LHE
Mw = 6.2
H = 366 km
Q = 206
C = 0.969
1996.047 INU LHN
Mw = 6.7
H = 39 km
Q = 224
C = 0.923
2003.316 INU LHE
Mw = 6.3
H = 381 km
Q = 160
C = 0.950
2005.228 INU LHE
Mw = 7.2
H = 37 km
Q = 137
C = 0.971
2008.201 INU LHE
Mw = 6.9
H = 21 km
Q = 157
C = 0.903
2009.221 INU LHE
Mw = 7.1
H = 301 km
Q = 187
C = 0.935
2009.224 INU LHE
Mw = 6.6
H = 55 km
Q = 107
C = 0.929

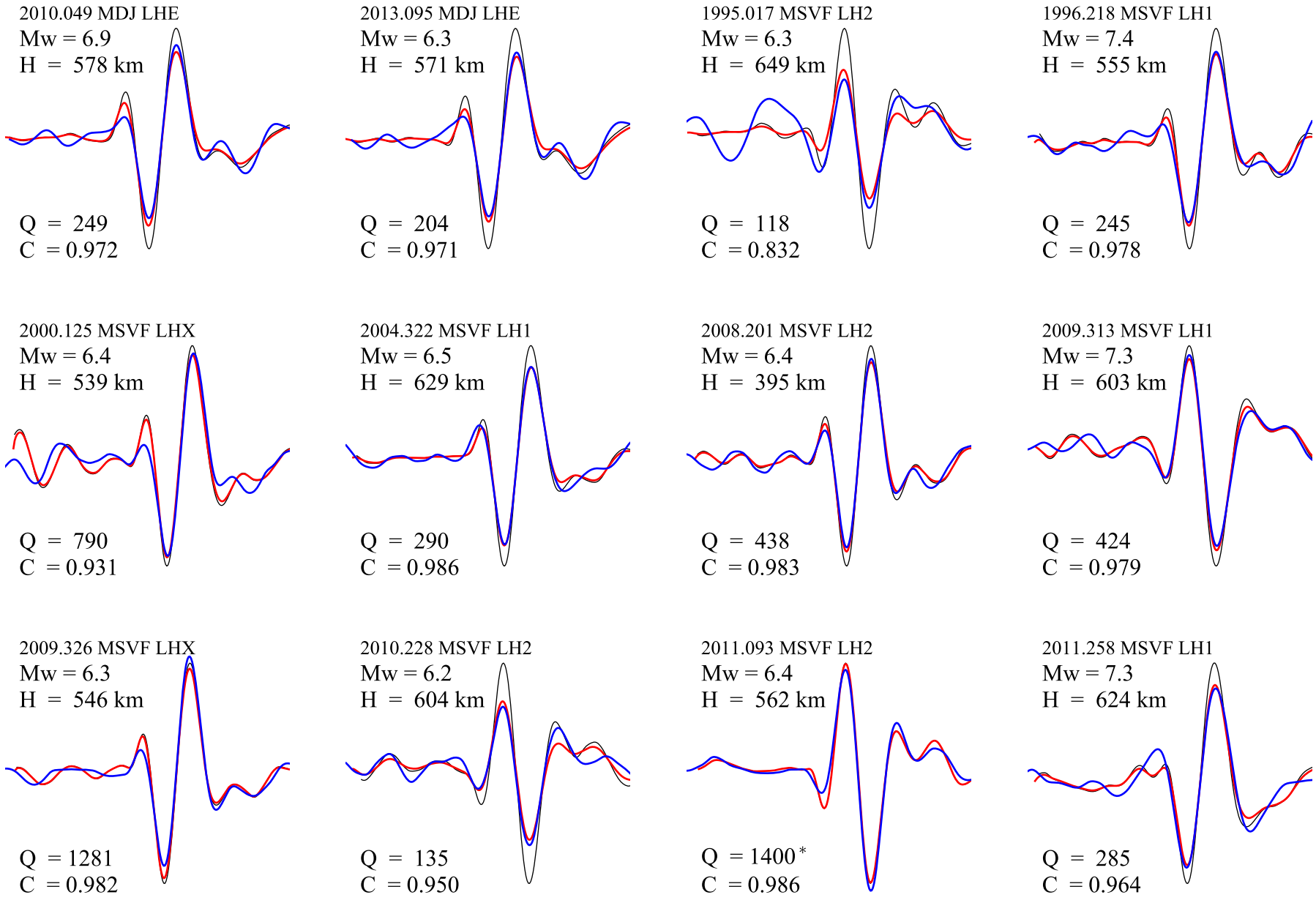

2010.073 INU LHE
Mw = 6.5
H = 45 km
Q = 209
C = 0.858
2011.111 INU LHE
Mw = 6.2
H = 42 km
Q = 208
C = 0.920
2011.205 INU LHE
Mw = 6.3
H = 47 km
Q = 196
C = 0.894
2011.211 INU LHE
Mw = 6.4
H = 52 km
Q = 303
C = 0.865
2012.001 INU LHE
Mw = 6.8
H = 351 km
Q = 324
C = 0.959
2014.072 INU LHE
Mw = 6.3
H = 87 km
Q = 803
C = 0.911
1999.232 JTS LHN
Mw = 6.9
H = 24 km
Q = 148
C = 0.902
2012.249 JTS LH2
Mw = 7.6
H = 29 km
Q = 385
C = 0.932
2012.298 JTS LH2
Mw = 6.4
H = 22 km
Q = 563
C = 0.877
2000.220 KAPI LHN
Mw = 6.5
H = 648 km
Q = 293
C = 0.916
2000.193 KDAK LHN
Mw = 6.5
H = 52 km
Q = 209
C = 0.804
2001.010 KDAK LHN
Mw = 6.9
H = 21 km
Q = 316
C = 0.819

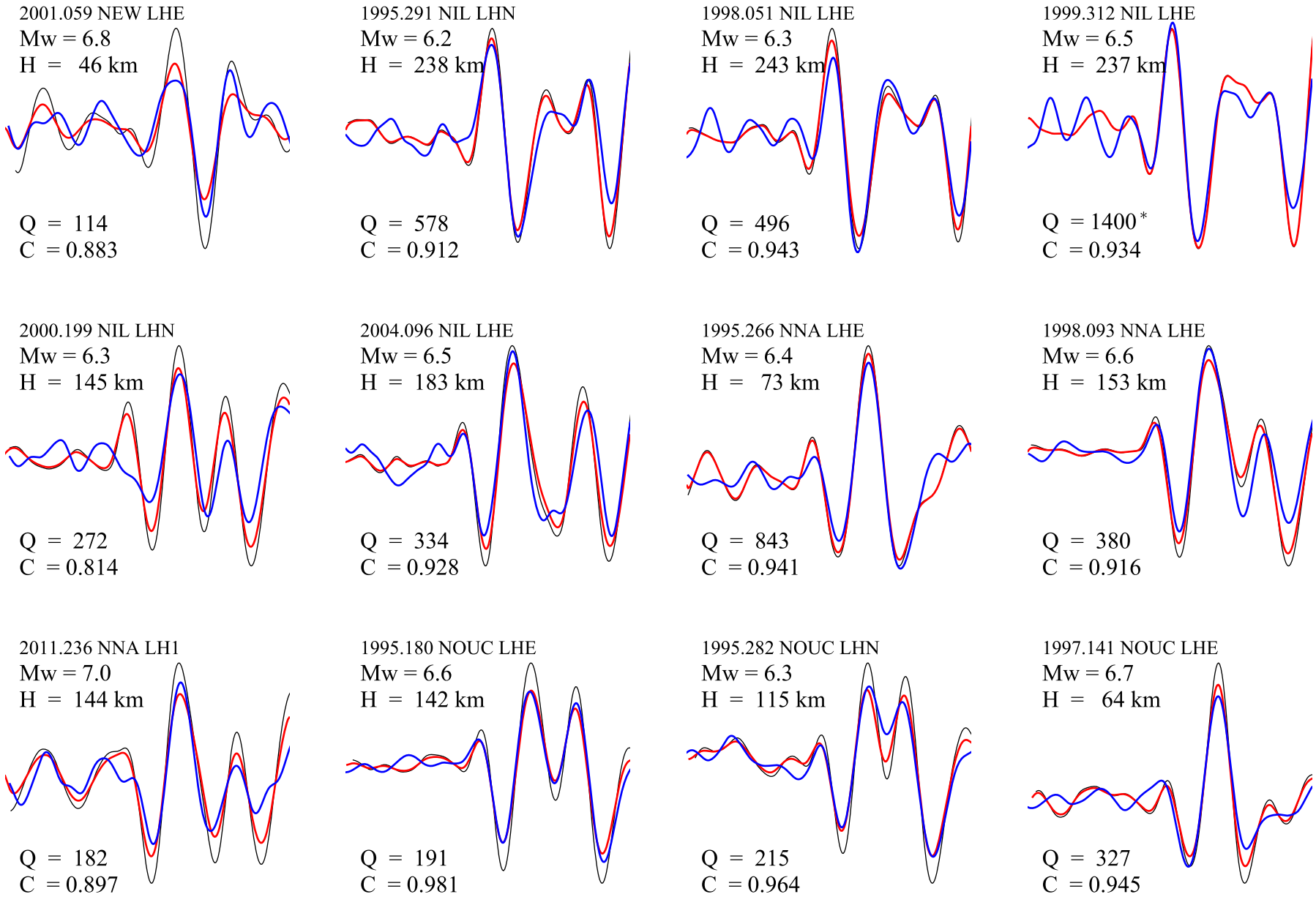

1973.116 KIP LHE
Mw = 6.2
H = 50 km
Q = 272
C = 0.874
1989.177 KIP LHN
Mw = 6.4
H = 15 km
Q = 228
C = 0.913
2006.288 KIP LHE
Mw = 6.7
H = 48 km
Q = 304
C = 0.947
2005.288 KMNB LHN
Mw = 6.4
H = 194 km
Q = 140
C = 0.917
2006.360 KMNB LHN
Mw = 6.9
H = 32 km
Q = 298
C = 0.848
2001.059 LLLB LHE
Mw = 6.8
H = 46 km
Q = 225
C = 0.850
1994.010 LPAZ LHN
Mw = 6.9
H = 603 km
Q = 134
C = 0.937
1994.160 LPAZ LHN
Mw = 8.2
H = 647 km
Q = 114
C = 0.939
1997.332 LPAZ LHN
Mw = 6.6
H = 600 km
Q = 143
C = 0.950
1997.023 LVC LHE
Mw = 7.1
H = 281 km
Q = 1400*
C = 0.954
2002.087 LVC LHE
Mw = 6.4
H = 137 km
Q = 203
C = 0.941
2006.237 LVC LHX
Mw = 6.6
H = 185 km
Q = 1266
C = 0.935

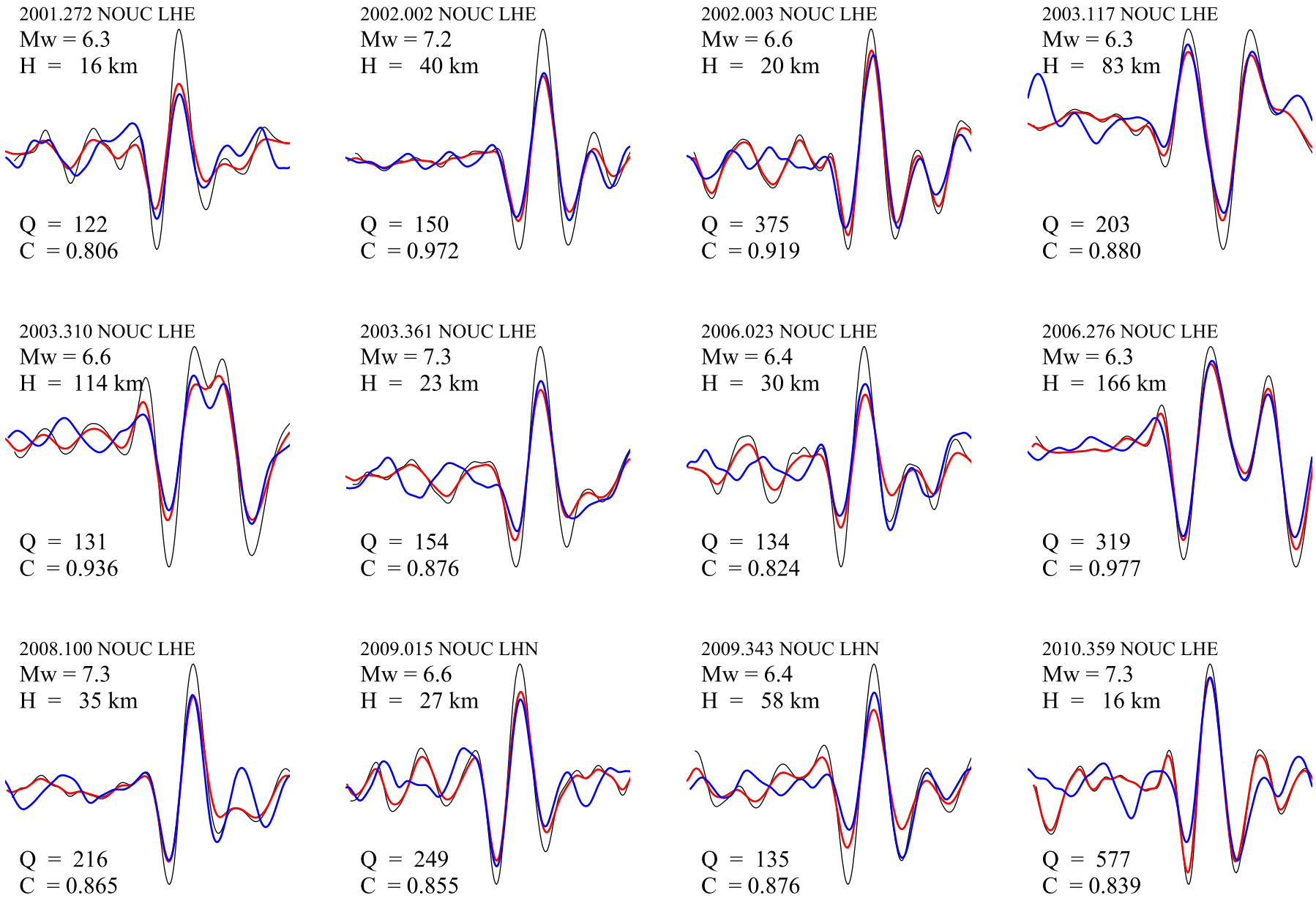

2007.202 LVC LHE
Mw = 6.4
H = 280 km
Q = 1400*
C = 0.922
2007.350 LVC LHE
Mw = 6.7
H = 30 km
Q = 436
C = 0.938
2009.317 LVC LH2
Mw = 6.5
H = 36 km
Q = 1400*
C = 0.897
2011.065 LVC LHX
Mw = 6.3
H = 126 km
Q = 1400*
C = 0.923
2011.171 LVC LH2
Mw = 6.5
H = 131 km
Q = 197
C = 0.938
1992.242 MAJO LHE
Mw = 6.2
H = 309 km
Q = 159
C = 0.982
1993.019 MAJO LHE
Mw = 6.5
H = 461 km
Q = 258
C = 0.969
1993.284 MAJO LHE
Mw = 6.9
H = 364 km
Q = 161
C = 0.980
1995.090 MAJO LHE
Mw = 6.2
H = 366 km
Q = 135
C = 0.969
1996.047 MAJO LHN
Mw = 6.7
H = 39 km
Q = 253
C = 0.929
2002.307 MAJO LHE
Mw = 6.4
H = 44 km
Q = 181
C = 0.956
2003.146 MAJO LHE
Mw = 7.0
H = 61 km
Q = 248
C = 0.978

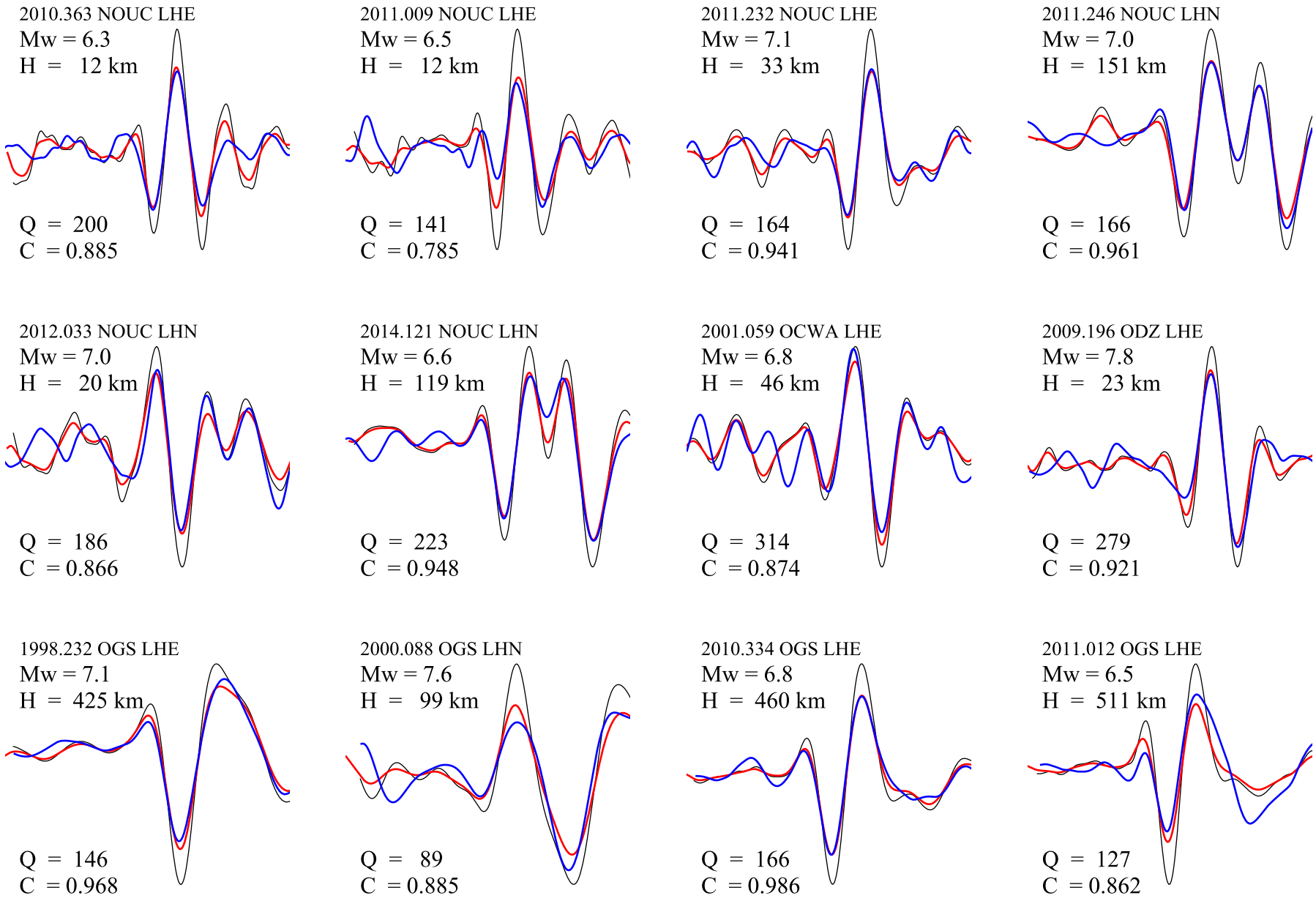

2003.304 MAJO LHE
Mw = 7.0
H = 15 km
Q = 145
C = 0.953
2003.316 MAJO LHE
Mw = 6.3
H = 381 km
Q = 379
C = 0.962
2005.228 MAJO LHE
Mw = 7.2
H = 37 km
Q = 175
C = 0.952
2005.292 MAJO LHE
Mw = 6.3
H = 37 km
Q = 142
C = 0.915
2005.336 MAJO LHE
Mw = 6.5
H = 34 km
Q = 167
C = 0.904
2007.197 MAJO LHE
Mw = 6.8
H = 374 km
Q = 152
C = 0.948
2008.201 MAJO LHE
Mw = 6.9
H = 21 km
Q = 117
C = 0.938
2008.205 MAJO LHE
Mw = 6.8
H = 98 km
Q = 237
C = 0.965
2010.073 MAJO LH2
Mw = 6.5
H = 45 km
Q = 117
C = 0.936
2010.185 MAJO LH2
Mw = 6.3
H = 35 km
Q = 133
C = 0.955
2011.084 MAJO LH2
Mw = 6.2
H = 45 km
Q = 200
C = 0.938
2011.086 MAJO LH1
Mw = 6.2
H = 21 km
Q = 146
C = 0.911

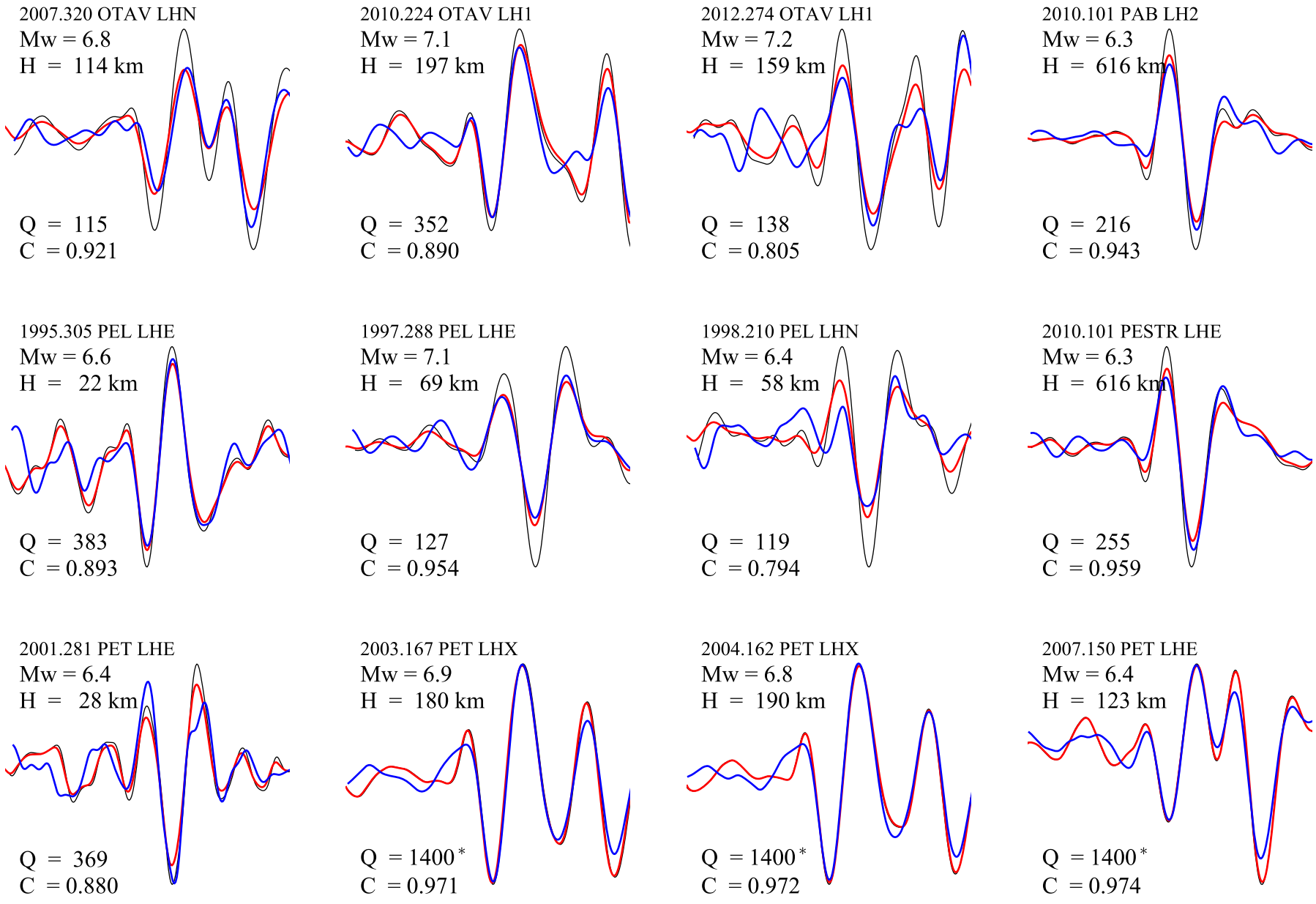

2011.111 MAJO LH2
Mw = 6.2
H = 42 km
Q = 150
C = 0.902
2011.173 MAJO LH2
Mw = 6.7
H = 41 km
Q = 128
C = 0.936
2011.204 MAJO LH2
Mw = 6.3
H = 47 km
Q = 208
C = 0.942
2011.205 MAJO LH2
Mw = 6.3
H = 47 km
Q = 118
C = 0.933
2011.211 MAJO LH2
Mw = 6.4
H = 52 km
Q = 160
C = 0.852
2011.231 MAJO LH2
Mw = 6.3
H = 48 km
Q = 266
C = 0.871
2012.001 MAJO LH2
Mw = 6.8
H = 351 km
Q = 177
C = 0.975
2012.169 MAJO LH2
Mw = 6.3
H = 46 km
Q = 185
C = 0.950
1999.098 MDJ LHE
Mw = 7.1
H = 575 km
Q = 200
C = 0.967
2002.179 MDJ LHE
Mw = 7.3
H = 581 km
Q = 220
C = 0.959
2002.258 MDJ LHE
Mw = 6.4
H = 589 km
Q = 278
C = 0.986
2009.358 MDJ LHE
Mw = 6.3
H = 390 km
Q = 241
C = 0.960

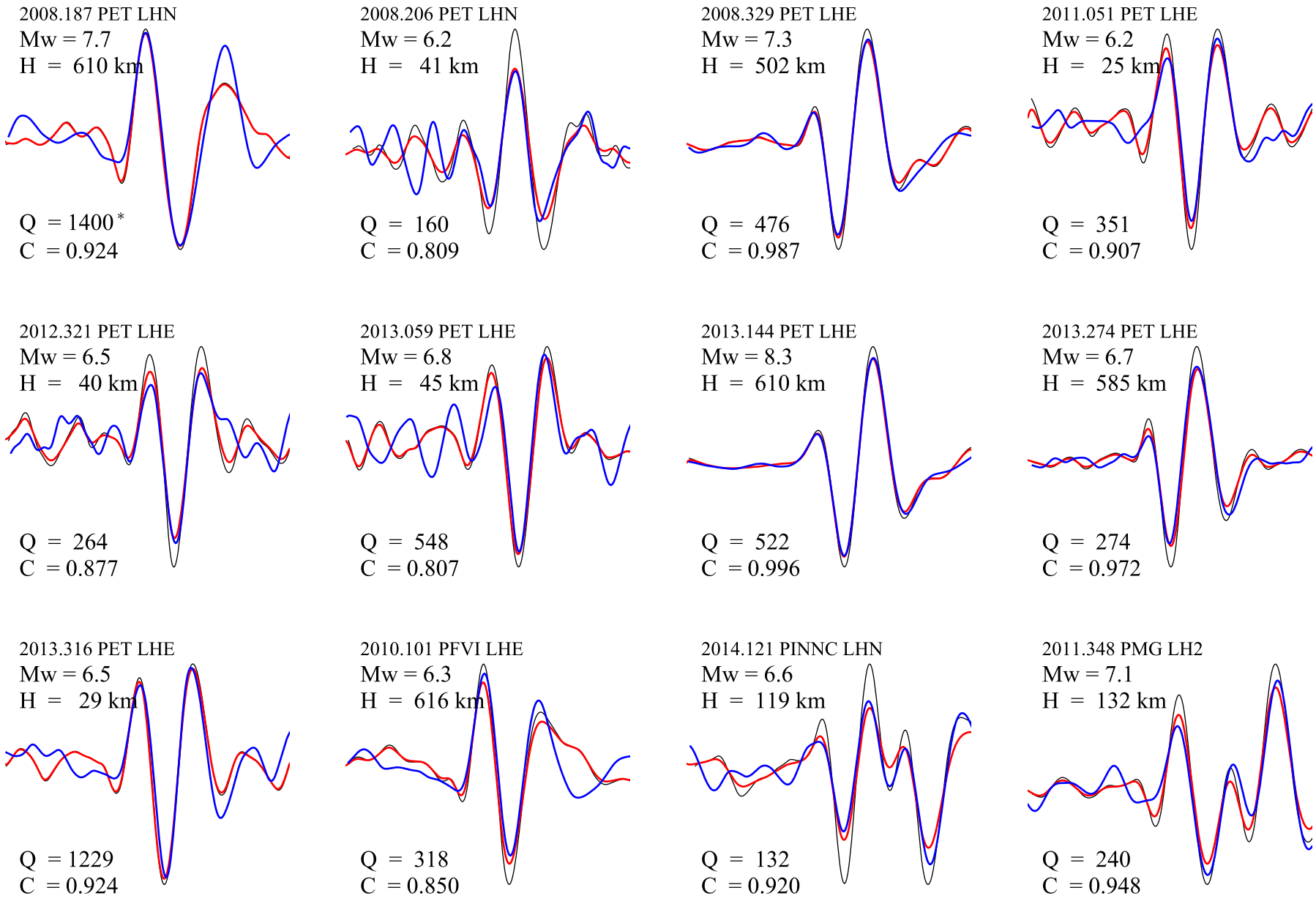

2010.049 MDJ LHE
Mw = 6.9
H = 578 km
Q = 249
C = 0.972
2013.095 MDJ LHE
Mw = 6.3
H = 571 km
Q = 204
C = 0.971
1995.017 MSVF LH2
Mw = 6.3
H = 649 km
Q = 118
C = 0.832
1996.218 MSVF LH1
Mw = 7.4
H = 555 km
Q = 245
C = 0.978
2000.125 MSVF LHX
Mw = 6.4
H = 539 km
Q = 790
C = 0.931
2004.322 MSVF LH1
Mw = 6.5
H = 629 km
Q = 290
C = 0.986
2008.201 MSVF LH2
Mw = 6.4
H = 395 km
Q = 438
C = 0.983
2009.313 MSVF LH1
Mw = 7.3
H = 603 km
Q = 424
C = 0.979
2009.326 MSVF LHX
Mw = 6.3
H = 546 km
Q = 1281
C = 0.982
2010.228 MSVF LH2
Mw = 6.2
H = 604 km
Q = 135
C = 0.950
2011.093 MSVF LH2
Mw = 6.4
H = 562 km
Q = 1400*
C = 0.986
2011.258 MSVF LH1
Mw = 7.3
H = 624 km
Q = 285
C = 0.964

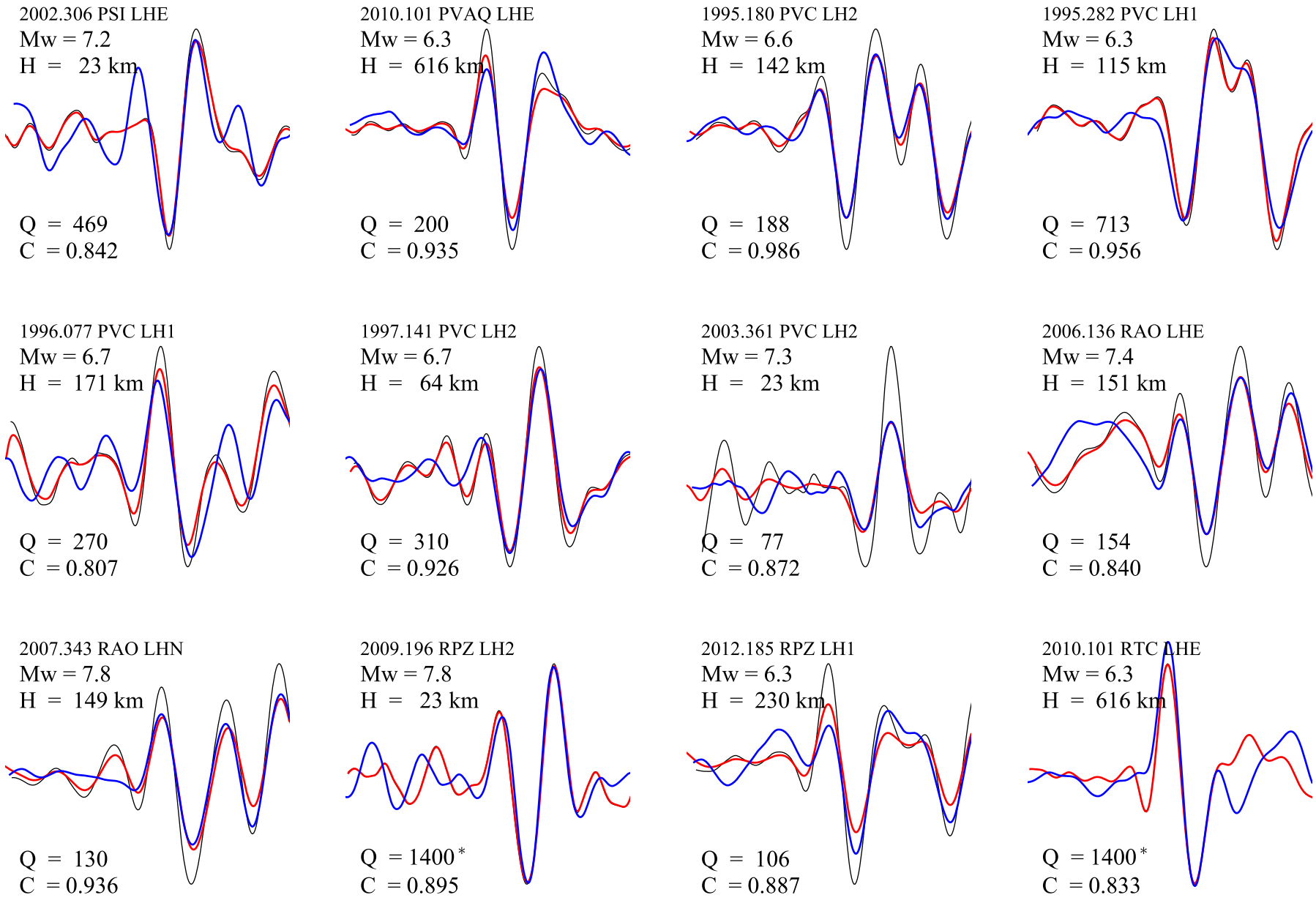

2001.059 NEW LHE
Mw = 6.8
H = 46 km
Q = 114
C = 0.883
1995.291 NIL LHN
Mw = 6.2
H = 238 km
Q = 578
C = 0.912
1998.051 NIL LHE
Mw = 6.3
H = 243 km
Q = 496
C = 0.943
1999.312 NIL LHE
Mw = 6.5
H = 237 km
Q = 1400*
C = 0.934
2000.199 NIL LHN
Mw = 6.3
H = 145 km
Q = 272
C = 0.814
2004.096 NIL LHE
Mw = 6.5
H = 183 km
Q = 334
C = 0.928
1995.266 NNA LHE
Mw = 6.4
H = 73 km
Q = 843
C = 0.941
1998.093 NNA LHE
Mw = 6.6
H = 153 km
Q = 380
C = 0.916
2011.236 NNA LH1
Mw = 7.0
H = 144 km
Q = 182
C = 0.897
1995.180 NOUC LHE
Mw = 6.6
H = 142 km
Q = 191
C = 0.981
1995.282 NOUC LHN
Mw = 6.3
H = 115 km
Q = 215
C = 0.964
1997.141 NOUC LHE
Mw = 6.7
H = 64 km
Q = 327
C = 0.945

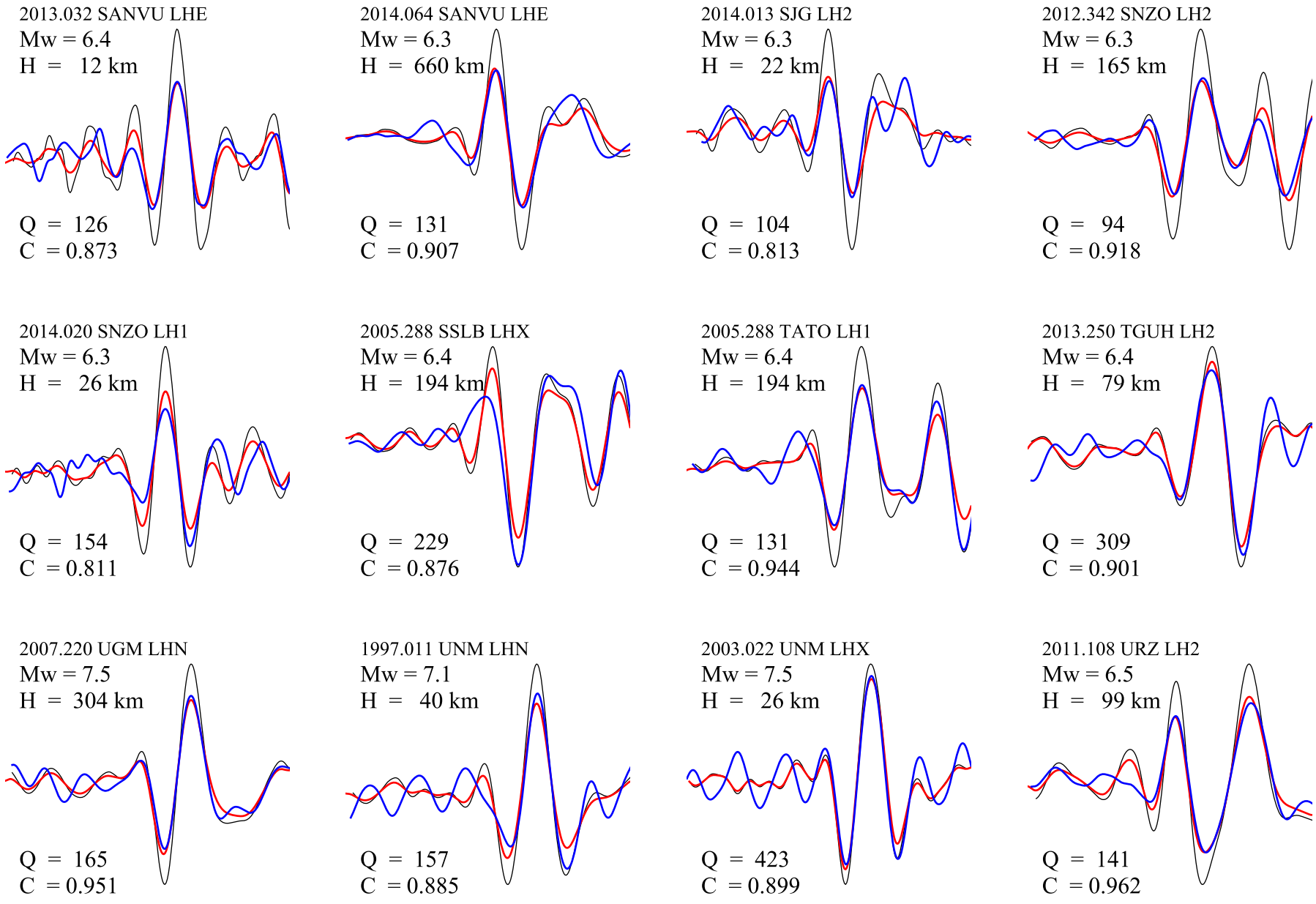

2001.272 NOUC LHE
Mw = 6.3
H = 16 km
Q = 122
C = 0.806
2002.002 NOUC LHE
Mw = 7.2
H = 40 km
Q = 150
C = 0.972
2002.003 NOUC LHE
Mw = 6.6
H = 20 km
Q = 375
C = 0.919
2003.117 NOUC LHE
Mw = 6.3
H = 83 km
Q = 203
C = 0.880
2003.310 NOUC LHE
Mw = 6.6
H = 114 km
Q = 131
C = 0.936
2003.361 NOUC LHE
Mw = 7.3
H = 23 km
Q = 154
C = 0.876
2006.023 NOUC LHE
Mw = 6.4
H = 30 km
Q = 134
C = 0.824
2006.276 NOUC LHE
Mw = 6.3
H = 166 km
Q = 319
C = 0.977
2008.100 NOUC LHE
Mw = 7.3
H = 35 km
Q = 216
C = 0.865
2009.015 NOUC LHN
Mw = 6.6
H = 27 km
Q = 249
C = 0.855
2009.343 NOUC LHN
Mw = 6.4
H = 58 km
Q = 135
C = 0.876
2010.359 NOUC LHE
Mw = 7.3
H = 16 km
Q = 577
C = 0.839

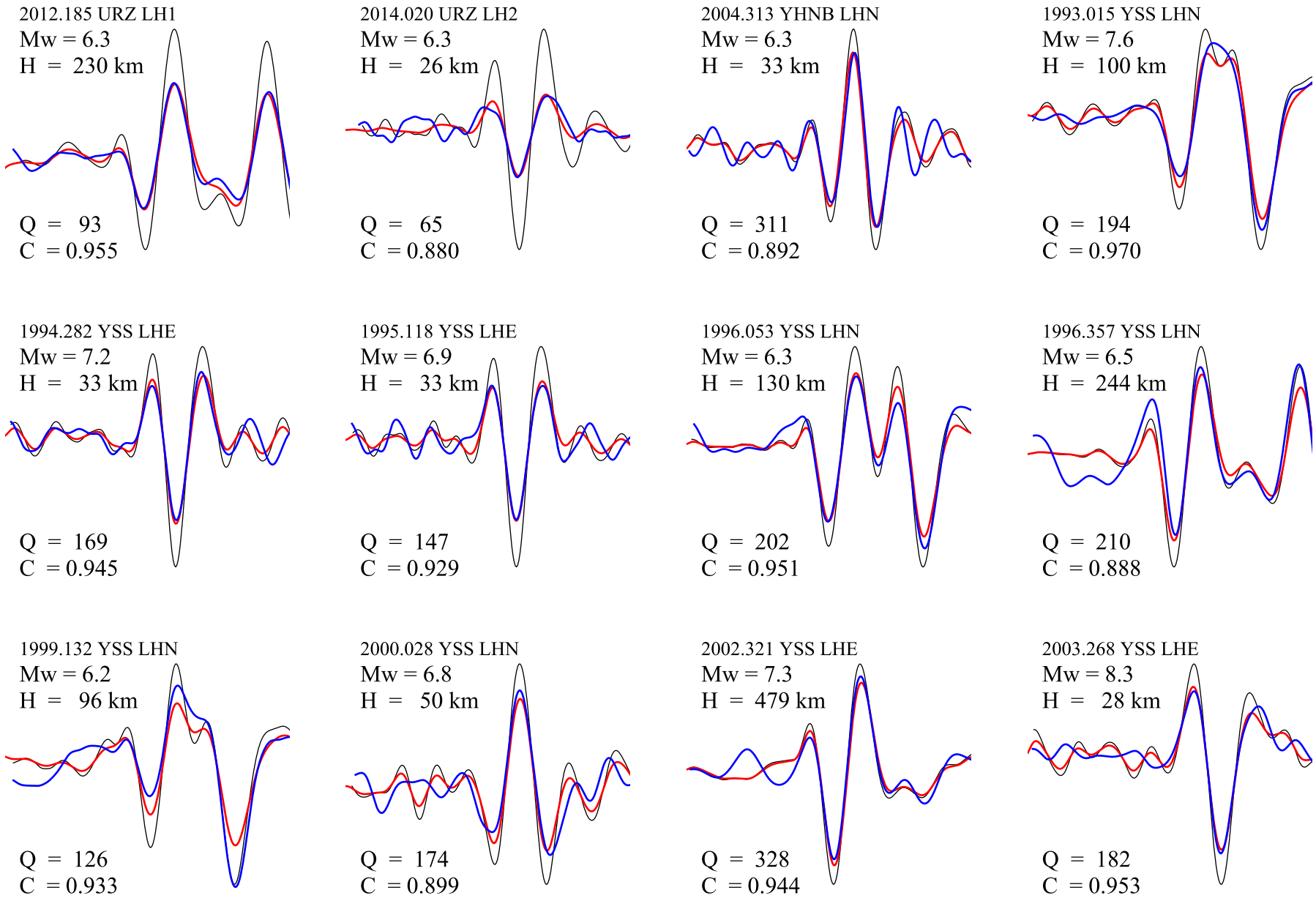

2010.363 NOUC LHE
Mw = 6.3
H = 12 km
Q = 200
C = 0.885
2011.009 NOUC LHE
Mw = 6.5
H = 12 km
Q = 141
C = 0.785
2011.232 NOUC LHE
Mw = 7.1
H = 33 km
Q = 164
C = 0.941
2011.246 NOUC LHN
Mw = 7.0
H = 151 km
Q = 166
C = 0.961
2012.033 NOUC LHN
Mw = 7.0
H = 20 km
Q = 186
C = 0.866
2014.121 NOUC LHN
Mw = 6.6
H = 119 km
Q = 223
C = 0.948
2001.059 OCWA LHE
Mw = 6.8
H = 46 km
Q = 314
C = 0.874
2009.196 ODZ LHE
Mw = 7.8
H = 23 km
Q = 279
C = 0.921
1998.232 OGS LHE
Mw = 7.1
H = 425 km
Q = 146
C = 0.968
2000.088 OGS LHN
Mw = 7.6
H = 99 km
Q = 89
C = 0.885
2010.334 OGS LHE
Mw = 6.8
H = 460 km
Q = 166
C = 0.986
2011.012 OGS LHE
Mw = 6.5
H = 511 km
Q = 127
C = 0.862

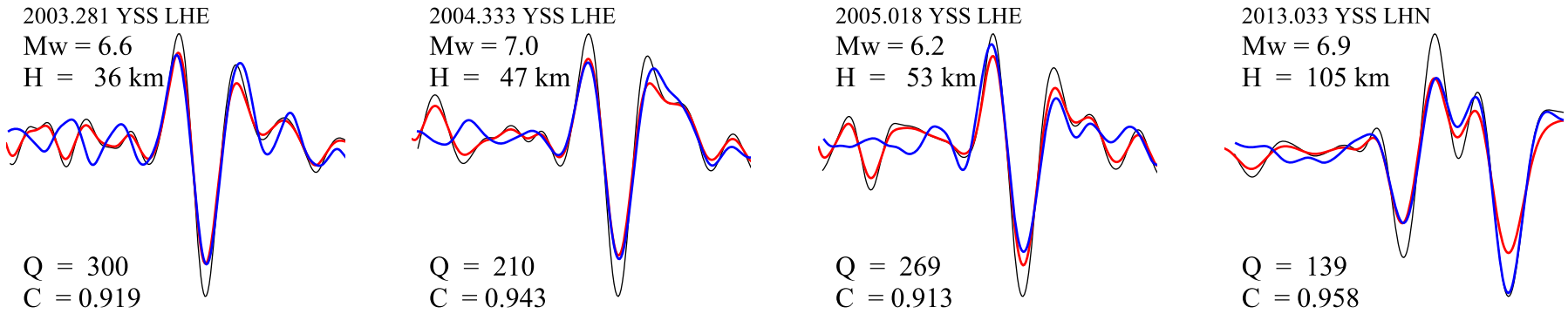

2007.320 OTAV LHN
Mw = 6.8
H = 114 km
Q = 115
C = 0.921
2010.224 OTAV LH1
Mw = 7.1
H = 197 km
Q = 352
C = 0.890
2012.274 OTAV LH1
Mw = 7.2
H = 159 km
Q = 138
C = 0.805
2010.101 PAB LH2
Mw = 6.3
H = 616 km
Q = 216
C = 0.943
1995.305 PEL LHE
Mw = 6.6
H = 22 km
Q = 383
C = 0.893
1997.288 PEL LHE
Mw = 7.1
H = 69 km
Q = 127
C = 0.954
1998.210 PEL LHN
Mw = 6.4
H = 58 km
Q = 119
C = 0.794
2010.101 PESTR LHE
Mw = 6.3
H = 616 km
Q = 255
C = 0.959
2001.281 PET LHE
Mw = 6.4
H = 28 km
Q = 369
C = 0.880
2003.167 PET LHX
Mw = 6.9
H = 180 km
Q = 1400*
C = 0.971
2004.162 PET LHX
Mw = 6.8
H = 190 km
Q = 1400*
C = 0.972
2007.150 PET LHE
Mw = 6.4
H = 123 km
Q = 1400*
C = 0.974


2008.187 PET LHN
Mw = 7.7
H = 610 km
Q = 1400*
C = 0.924
2008.206 PET LHN
Mw = 6.2
H = 41 km
Q = 160
C = 0.809
2008.329 PET LHE
Mw = 7.3
H = 502 km
Q = 476
C = 0.987
2011.051 PET LHE
Mw = 6.2
H = 25 km
Q = 351
C = 0.907
2012.321 PET LHE
Mw = 6.5
H = 40 km
Q = 264
C = 0.877
2013.059 PET LHE
Mw = 6.8
H = 45 km
Q = 548
C = 0.807
2013.144 PET LHE
Mw = 8.3
H = 610 km
Q = 522
C = 0.996
2013.274 PET LHE
Mw = 6.7
H = 585 km
Q = 274
C = 0.972
2013.316 PET LHE
Mw = 6.5
H = 29 km
Q = 1229
C = 0.924
2010.101 PFVI LHE
Mw = 6.3
H = 616 km
Q = 318
C = 0.850
2014.121 PINNC LHN
Mw = 6.6
H = 119 km
Q = 132
C = 0.920
2011.348 PMG LH2
Mw = 7.1
H = 132 km
Q = 240
C = 0.948


2002.306 PSI LHE
Mw = 7.2
H = 23 km
Q = 469
C = 0.842
2010.101 PVAQ LHE
Mw = 6.3
H = 616 km
Q = 200
C = 0.935
1995.180 PVC LH2
Mw = 6.6
H = 142 km
Q = 188
C = 0.986
1995.282 PVC LH1
Mw = 6.3
H = 115 km
Q = 713
C = 0.956
1996.077 PVC LH1
Mw = 6.7
H = 171 km
Q = 270
C = 0.807
1997.141 PVC LH2
Mw = 6.7
H = 64 km
Q = 310
C = 0.926
2003.361 PVC LH2
Mw = 7.3
H = 23 km
Q = 77
C = 0.872
2006.136 RAO LHE
Mw = 7.4
H = 151 km
Q = 154
C = 0.840
2007.343 RAO LHN
Mw = 7.8
H = 149 km
Q = 130
C = 0.936
2009.196 RPZ LH2
Mw = 7.8
H = 23 km
Q = 1400*
C = 0.895
2012.185 RPZ LH1
Mw = 6.3
H = 230 km
Q = 106
C = 0.887
2010.101 RTC LHE
Mw = 6.3
H = 616 km
Q = 1400*
C = 0.833


2013.032 SANVU LHE
Mw = 6.4
H = 12 km
Q = 126
C = 0.873
2014.064 SANVU LHE
Mw = 6.3
H = 660 km
Q = 131
C = 0.907
2014.013 SJG LH2
Mw = 6.3
H = 22 km
Q = 104
C = 0.813
2012.342 SNZO LH2
Mw = 6.3
H = 165 km
Q = 94
C = 0.918
2014.020 SNZO LH1
Mw = 6.3
H = 26 km
Q = 154
C = 0.811
2005.288 SSLB LHX
Mw = 6.4
H = 194 km
Q = 229
C = 0.876
2005.288 TATO LH1
Mw = 6.4
H = 194 km
Q = 131
C = 0.944
2013.250 TGUH LH2
Mw = 6.4
H = 79 km
Q = 309
C = 0.901
2007.220 UGM LHN
Mw = 7.5
H = 304 km
Q = 165
C = 0.951
1997.011 UNM LHN
Mw = 7.1
H = 40 km
Q = 157
C = 0.885
2003.022 UNM LHX
Mw = 7.5
H = 26 km
Q = 423
C = 0.899
2011.108 URZ LH2
Mw = 6.5
H = 99 km
Q = 141
C = 0.962


2012.185 URZ LH1
Mw = 6.3
H = 230 km
Q = 93
C = 0.955
2014.020 URZ LH2
Mw = 6.3
H = 26 km
Q = 65
C = 0.880
2004.313 YHNB LHN
Mw = 6.3
H = 33 km
Q = 311
C = 0.892
1993.015 YSS LHN
Mw = 7.6
H = 100 km
Q = 194
C = 0.970
1994.282 YSS LHE
Mw = 7.2
H = 33 km
Q = 169
C = 0.945
1995.118 YSS LHE
Mw = 6.9
H = 33 km
Q = 147
C = 0.929
1996.053 YSS LHN
Mw = 6.3
H = 130 km
Q = 202
C = 0.951
1996.357 YSS LHN
Mw = 6.5
H = 244 km
Q = 210
C = 0.888
1999.132 YSS LHN
Mw = 6.2
H = 96 km
Q = 126
C = 0.933
2000.028 YSS LHN
Mw = 6.8
H = 50 km
Q = 174
C = 0.899
2002.321 YSS LHE
Mw = 7.3
H = 479 km
Q = 328
C = 0.944
2003.268 YSS LHE
Mw = 8.3
H = 28 km
Q = 182
C = 0.953


2003.281 YSS LHE
Mw = 6.6
H = 36 km
Q = 300
C = 0.919
2004.333 YSS LHE
Mw = 7.0
H = 47 km
Q = 210
C = 0.943
2005.018 YSS LHE
Mw = 6.2
H = 53 km
Q = 269
C = 0.913
2013.033 YSS LHN
Mw = 6.9
H = 105 km
Q = 139
C = 0.958