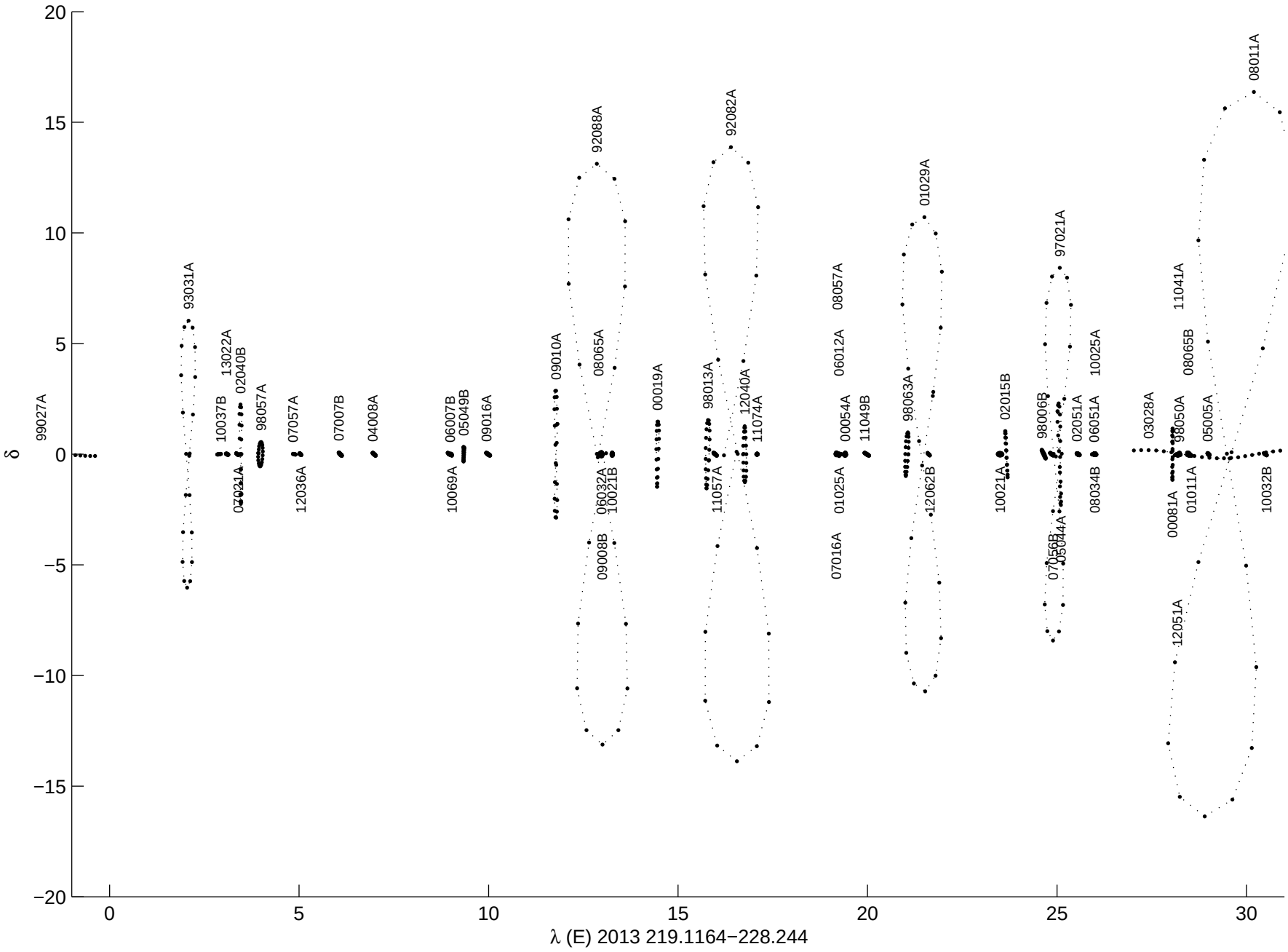
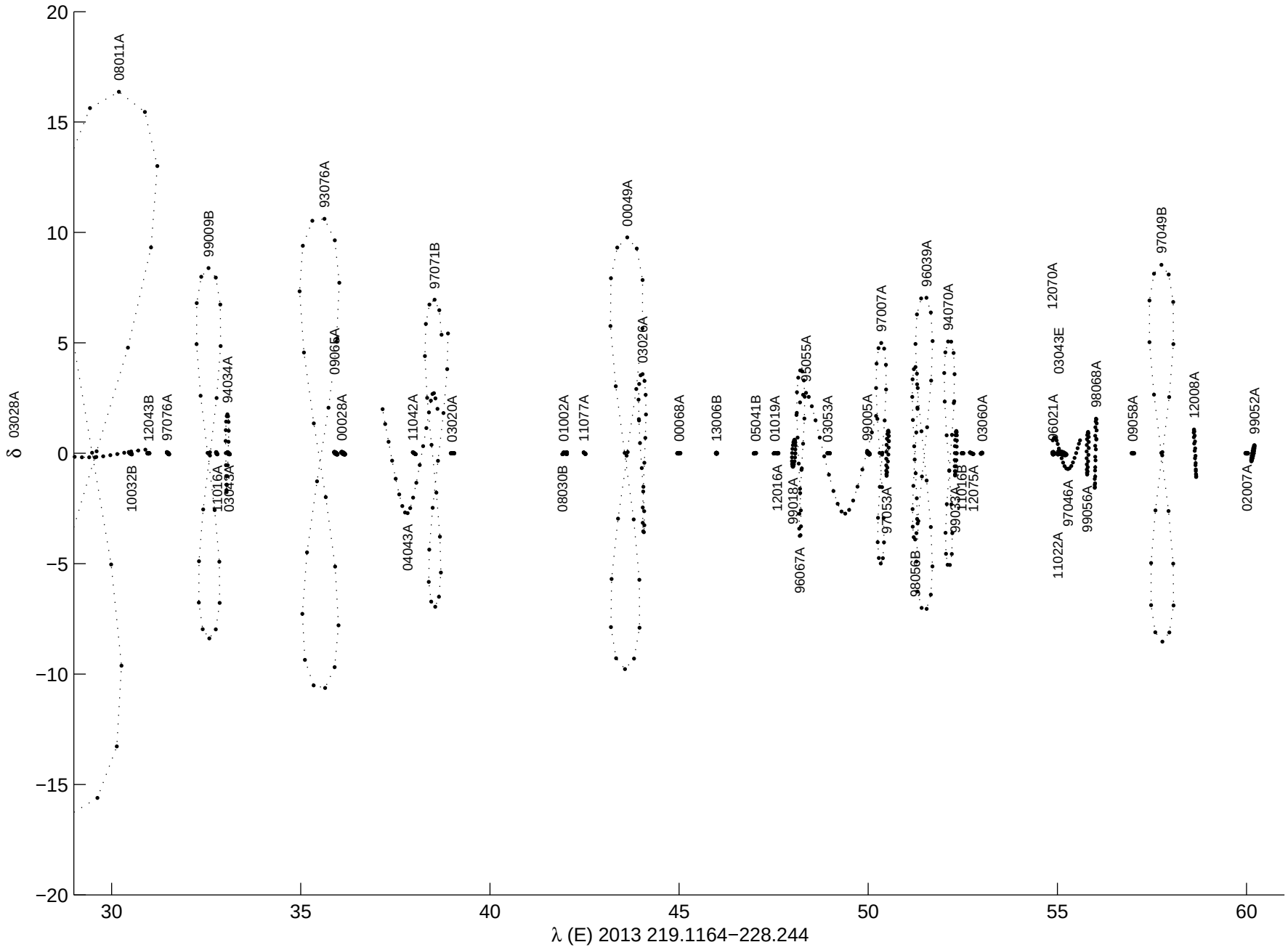
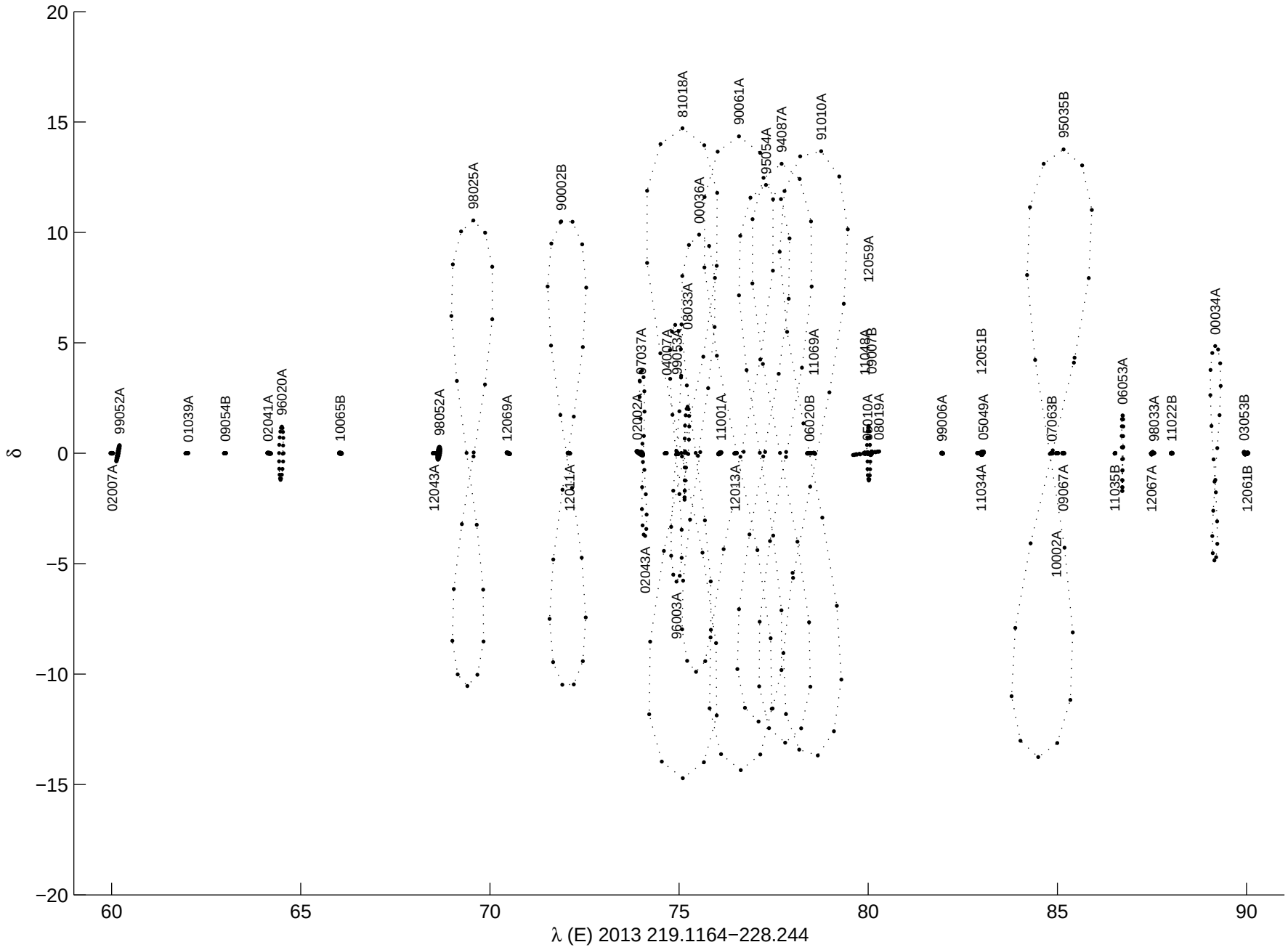
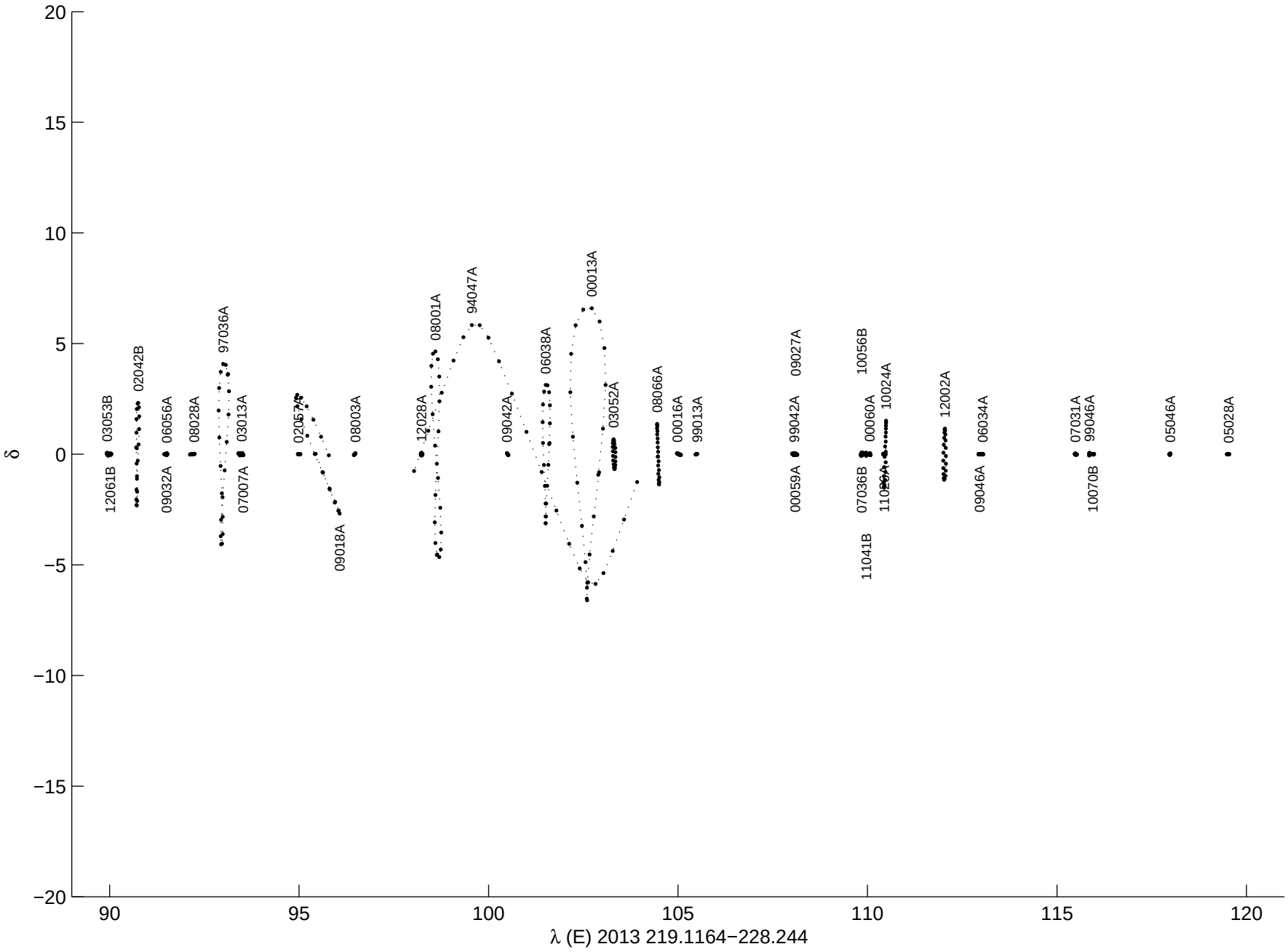
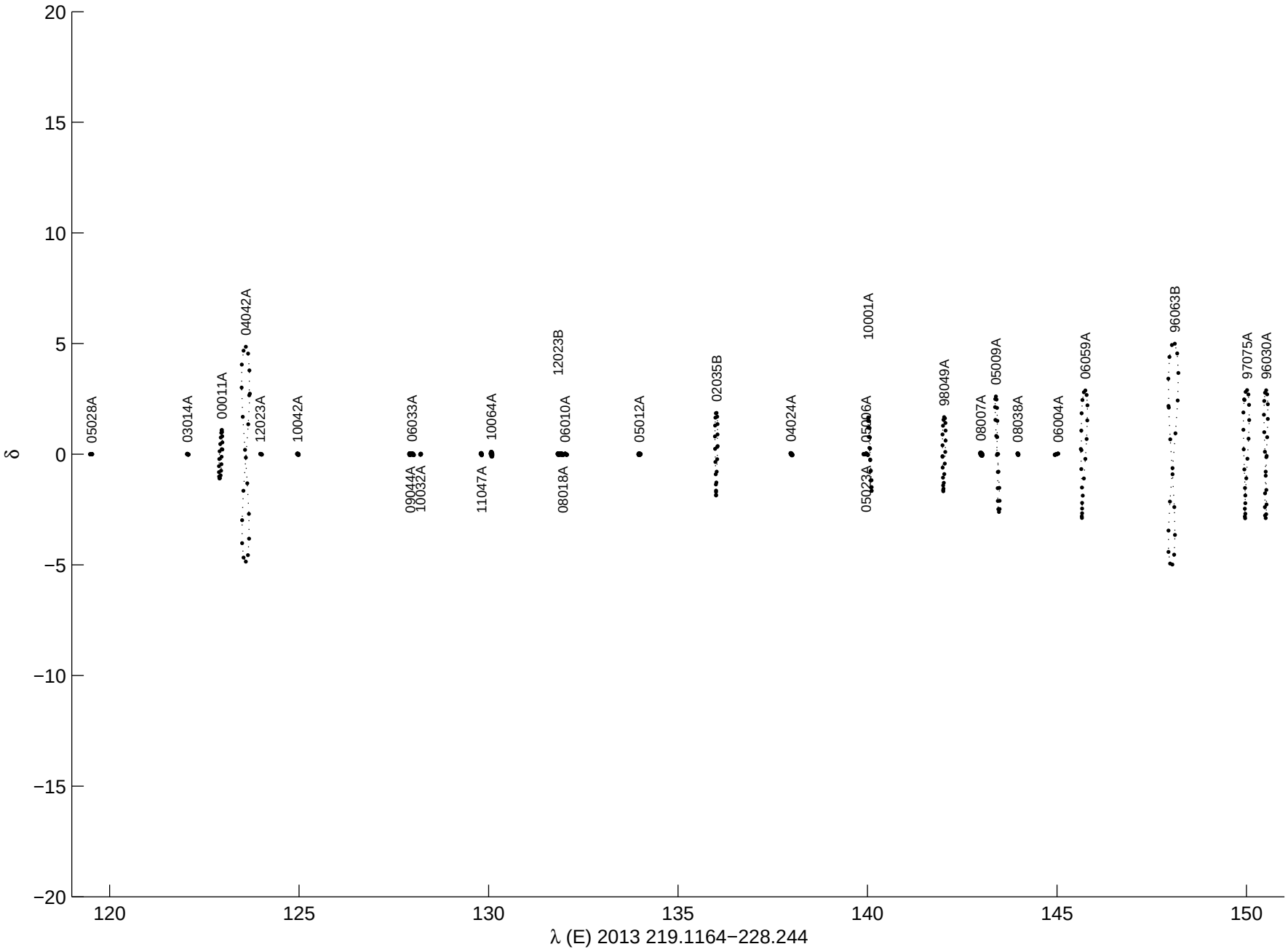
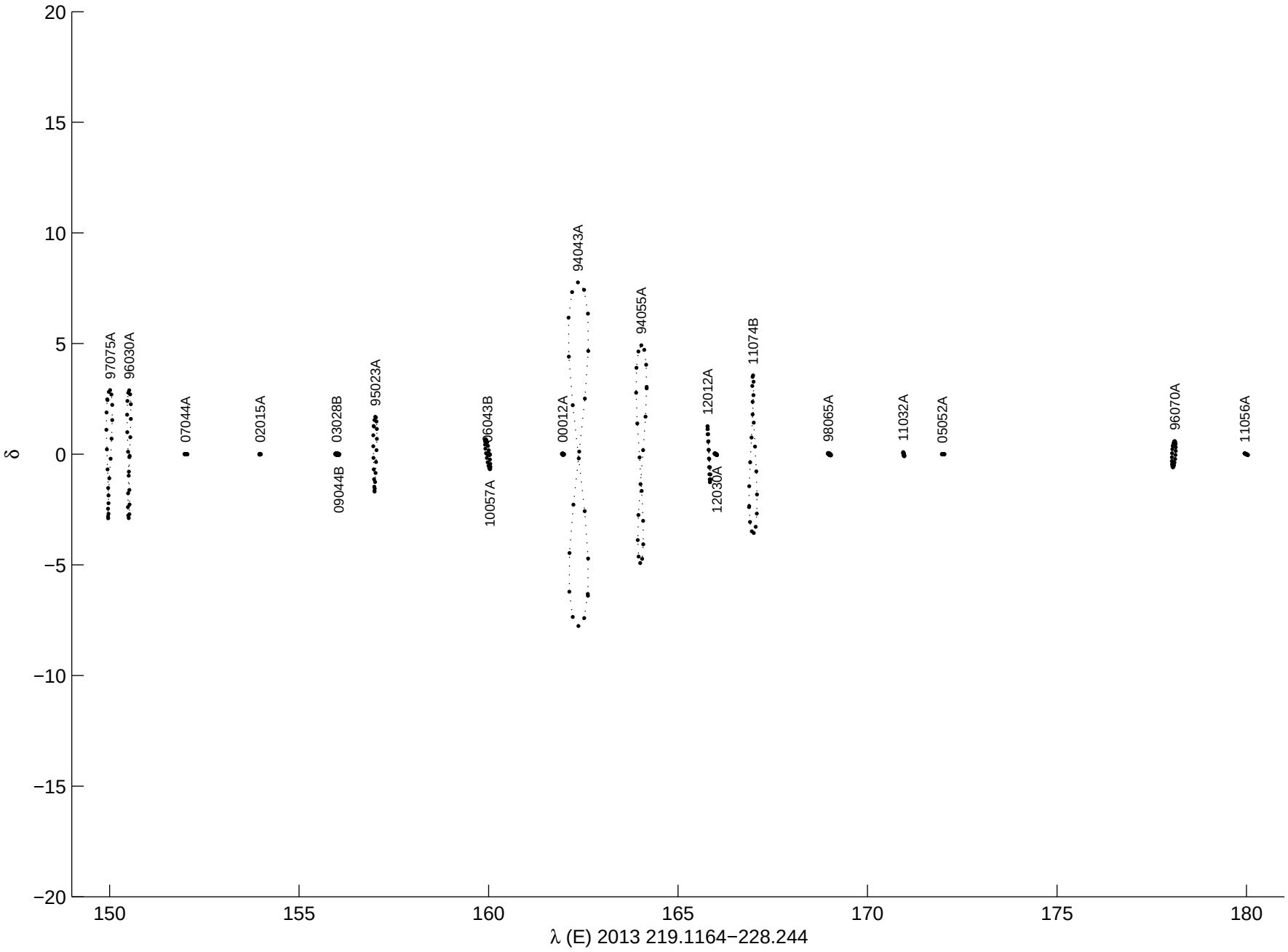

δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
0
5
10
15
20
25
30
99027A
93031A
13022A
10037B
02040B
98057A
07057A
07007B
04008A
12036A
10069A
06007B
05049B
09016A
09010A
92088A
08065A
06032A
10021B
09008B
00019A
98013A
92082A
11057A
12040A
11074A
08057A
06012A
00054A
11049B
01025A
07016A
01029A
98063A
12062B
02015B
10021A
97021A
98006B
02051A
06051A
10025A
08034B
07056B
05044A
03028A
11041A
08065B
98050A
05005A
01011A
00081A
12051A
10032B
08011A

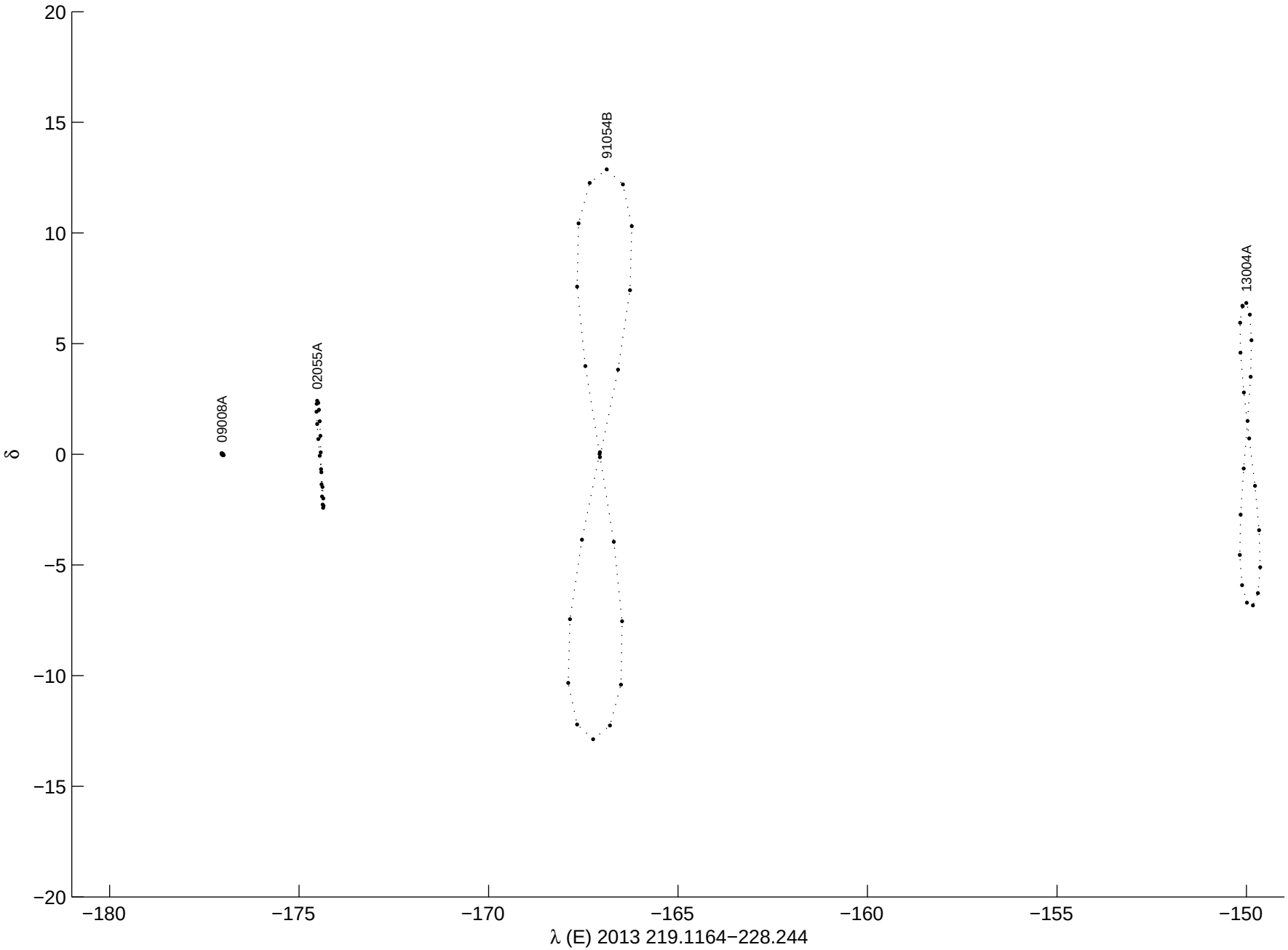

δ 03028A
λ (E) 2013 219.1164−228.244
08011A
10032B
12043B
97076A
99009B
11016A
03043A
94034A
93076A
09065A
00028A
04043A
11042A
97071B
03020A
08030B
01002A
11077A
00049A
03026A
00068A
13006B
05041B
01019A
12016A
99018A
96067A
95055A
03053A
99005A
97053A
97007A
98056B
96039A
94070A
99037A
12016B
12075A
03060A
11022A
97046A
96021A
12070A
03043E
99056A
98068A
09058A
97049B
12008A
02007A
99052A
20
15
10
5
0
−5
−10
−15
−20
30
35
40
45
50
55
60

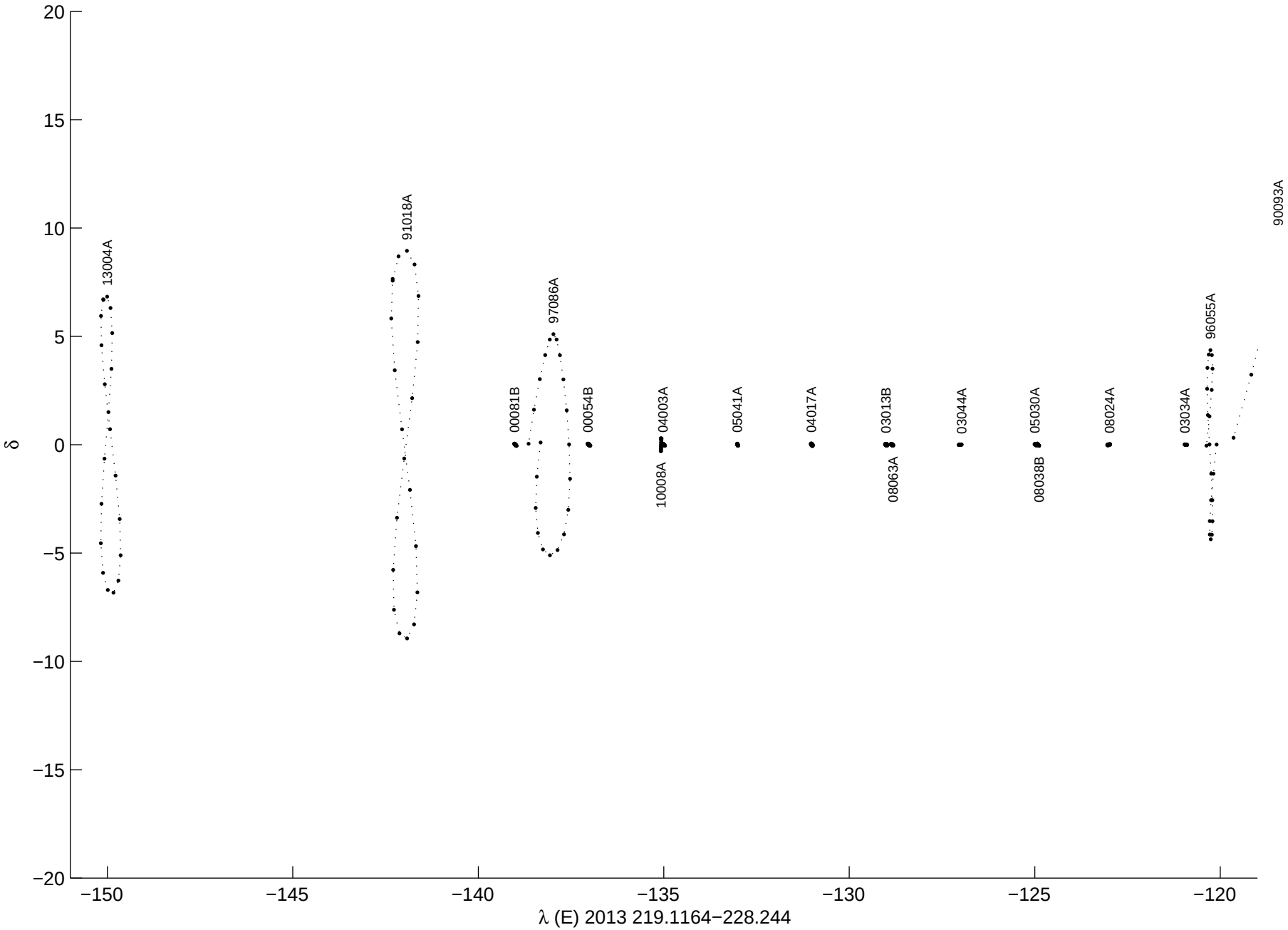

δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
60
65
70
75
80
85
90
99052A
02007A
01039A
09054B
02041A
96020A
10065B
98052A
12043A
98025A
12069A
90002B
12011A
81018A
00036A
08033A
02037A
02002A
02043A
96003A
11001A
12013A
90061A
95054A
94087A
91010A
11069A
06020B
12059A
99006A
12051B
05049A
11034A
95035B
07063B
09067A
10002A
06053A
11035B
98033A
11022B
12067A
00034A
03053B
12061B

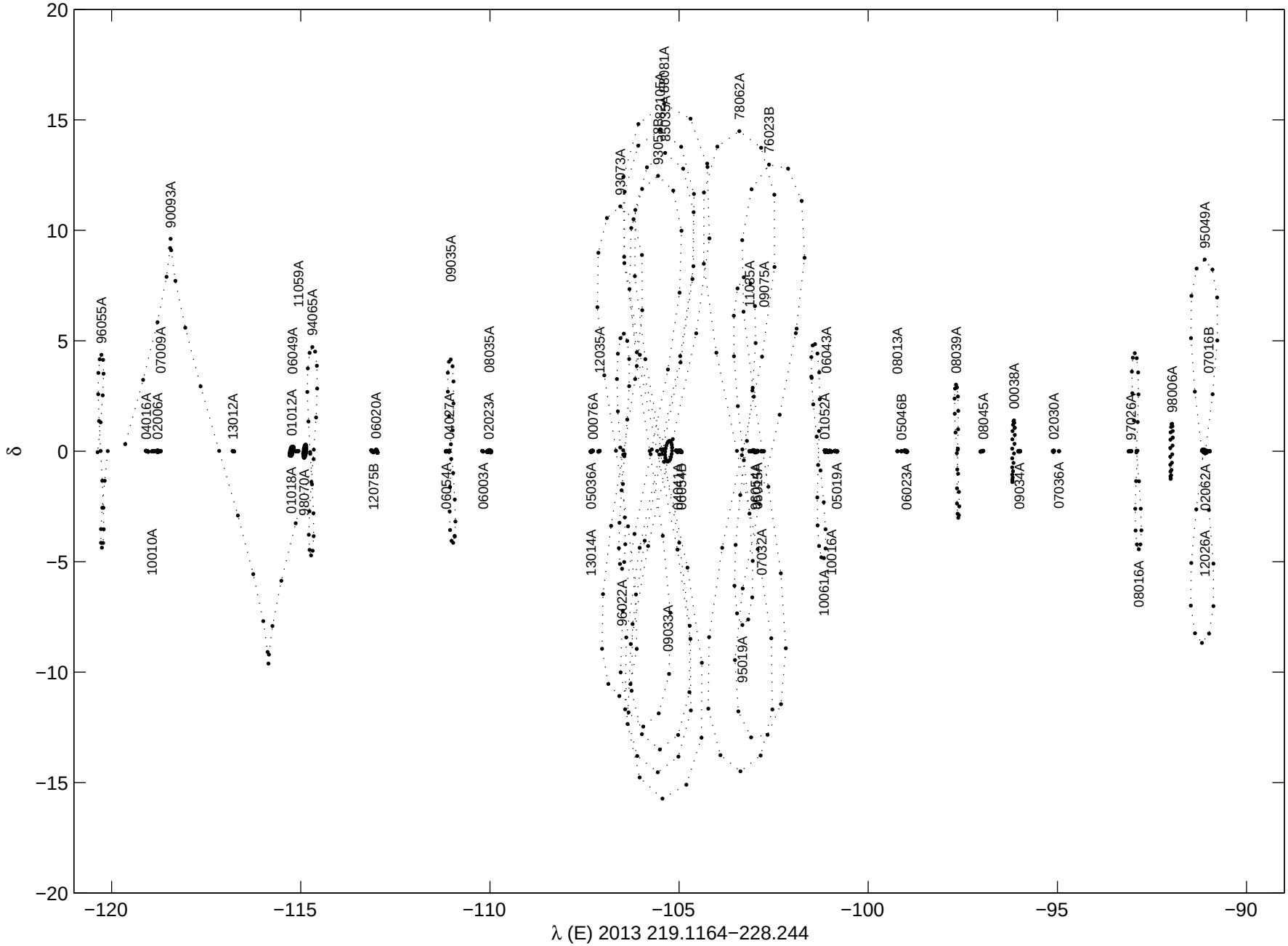

δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
90
95
100
105
110
115
120
12061B
03053B
02042B
09032A
06056A
08028A
97036A
07007A
03013A
09018A
08003A
12028A
08001A
94047A
09042A
06038A
00013A
03052A
08066A
00016A
99013A
00059A
99042A
09027A
07036B
00060A
10056B
10024A
11041B
12002A
09046A
06034A
07031A
99046A
10070B
05046A
05028A

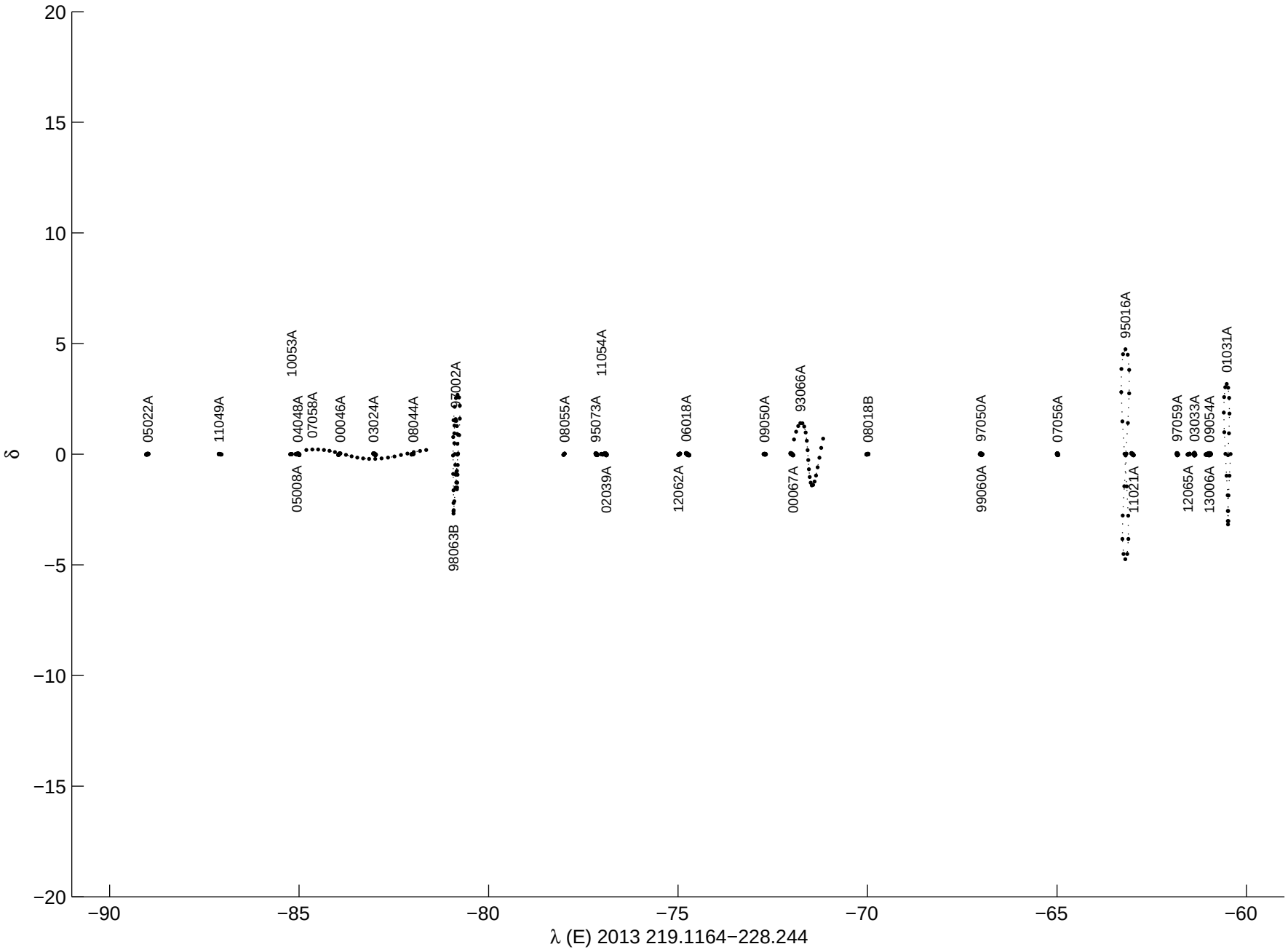

20
15
10
5
0
−5
−10
−15
−20
δ
120
125
130
135
140
145
150
λ (E) 2013 219.1164−228.244
05028A
03014A
00011A
04042A
12023A
10042A
09044A
10032A
06033A
11047A
10064A
08018A
06010A
12023B
05012A
02035B
04024A
05023A
05006A
10001A
98049A
08007A
05009A
08038A
06004A
06059A
96063B
97075A
96030A

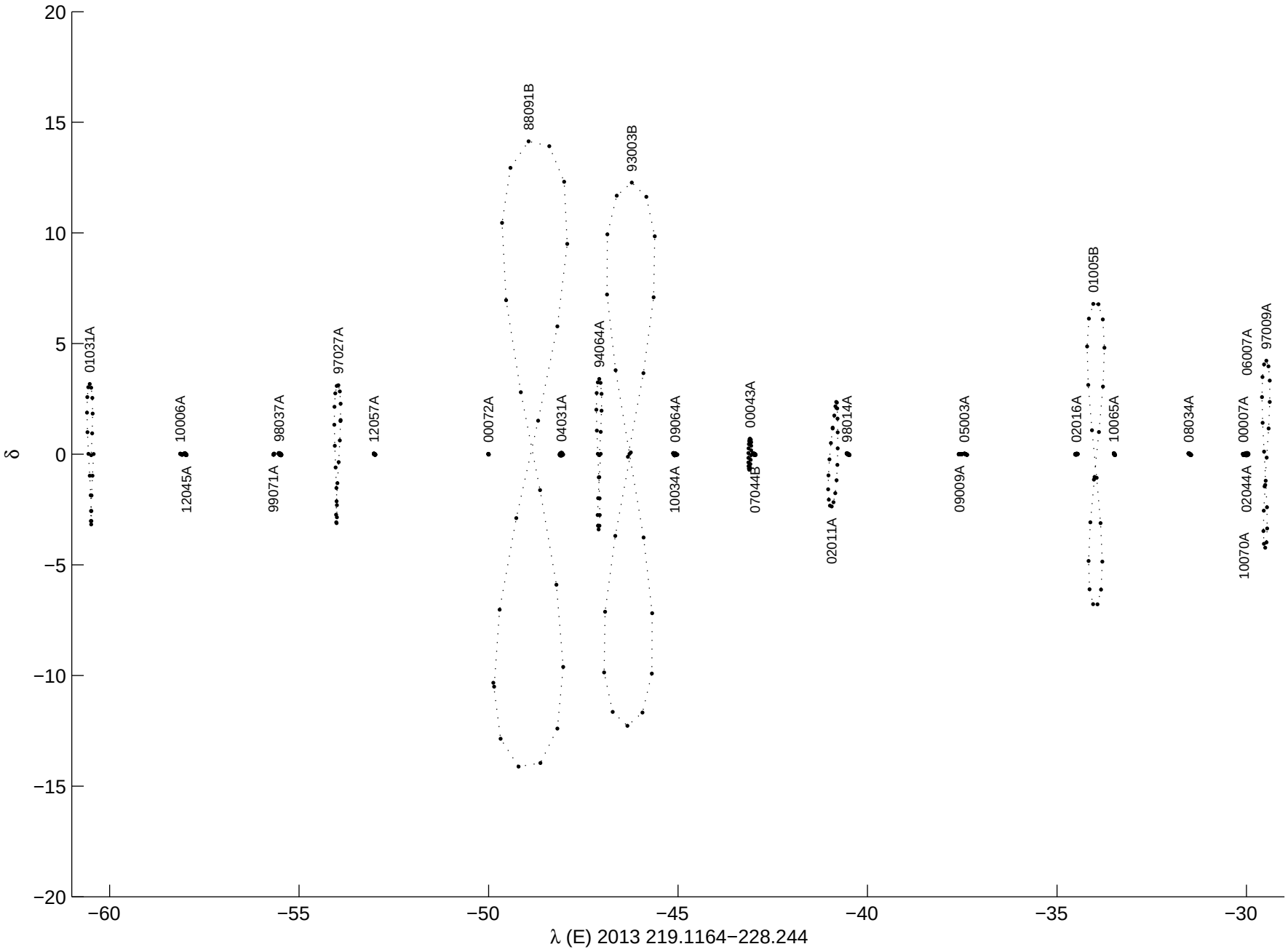

20
15
10
5
0
−5
−10
−15
−20
δ
150
155
160
165
170
175
180
λ (E) 2013 219.1164−228.244
97075A
96030A
07044A
02015A
03028B
09044B
95023A
06043B
10057A
00012A
94043A
94055A
12012A
12030A
11074B
98065A
11032A
05052A
96070A
11056A

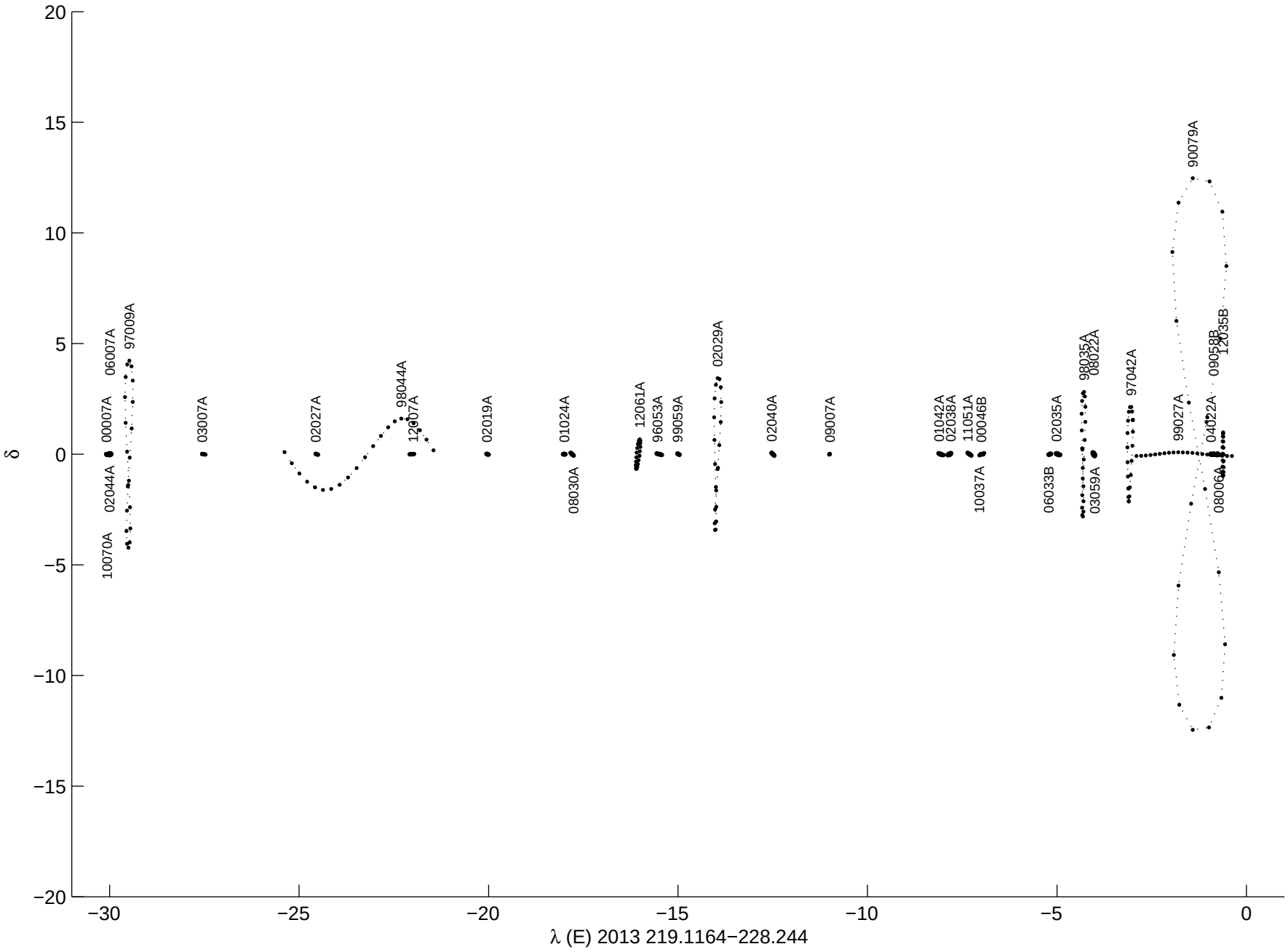

20
15
10
5
0
−5
−10
−15
−20
δ
09008A
02055A
91054B
13004A
−180
−175
−170
−165
−160
−155
−150
λ (E) 2013 219.1164−228.244


20
15
10
5
0
−5
−10
−15
−20
δ
−150
−145
−140
−135
−130
−125
−120
λ (E) 2013 219.1164−228.244
13004A
91018A
97086A
00081B
00054B
10008A
04003A
05041A
04017A
08063A
03013B
03044A
08038B
05030A
08024A
03034A
96055A
90093A


δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
−120
−115
−110
−105
−100
−95
−90
96055A
90093A
07009A
04016A
02006A
10010A
13012A
11059A
06049A
94065A
01012A
01018A
98070A
06020A
12075B
09035A
06054A
04027A
08035A
02023A
06003A
93073A
12035A
00076A
05036A
13014A
96022A
09033A
78062A
76023B
11065A
09075A
06043A
01052A
05019A
10061A
10016A
08013A
05046B
06023A
08039A
08045A
00038A
09034A
02030A
07036A
97026A
08016A
98006A
95049A
07016B
12062A
12026A


δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
−90
−85
−80
−75
−70
−65
−60
05022A
11049A
10053A
04048A
07058A
05008A
00046A
03024A
08044A
98063B
93002A
08055A
11054A
95073A
02039A
12062A
06018A
09050A
93066A
00067A
08018B
97050A
99060A
07056A
95016A
11021A
97059A
03033A
09054A
12065A
13006A
01031A


20
15
10
5
0
−5
−10
−15
−20
δ
−60
−55
−50
−45
−40
−35
−30
λ (E) 2013 219.1164−228.244
01031A
10006A
12045A
98037A
99071A
97027A
12057A
00072A
88091B
04031A
94064A
93003B
09064A
10034A
00043A
07044B
98014A
02011A
05003A
09009A
02016A
01005B
10065A
08034A
06007A
00007A
02044A
10070A
97009A


δ
λ (E) 2013 219.1164−228.244
20
15
10
5
0
−5
−10
−15
−20
−30
−25
−20
−15
−10
−5
0
10070A
02044A
00007A
06007A
97009A
03007A
02027A
98044A
12007A
02019A
08030A
01024A
12061A
96053A
99059A
02029A
02040A
09007A
10037A
01042A
02038A
11051A
00046B
06033B
02035A
03059A
98035A
08022A
97042A
99027A
04022A
08006A
09058B
12035B
90079A