

Analysis For Eureka

v3-3 part 4

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1 100 cases - part 4

Table 1: The One Hundred Cases to 20171108

No	Inst	Cline	Reached	Reverse	Dir	Why
p9	-1	3068263	3068400			
a9	1	3067300	3067350			
TA	1	2822728	2822822			
cu	1	2350365	2350366			
zn	1	2898678	2898791			
jm	1	2814366	2814461			
au	-1	2670761	2670856			
v9	1	2685548	2685682			
c9	1	2466035	2466150			
rb	-1	4483172	4483229			
m9	1	2791543	2791650			
al	1	2912749	2912854			
ni	-1	2861611	2861700			
y9	1	3131754	3131800			
l9	-1	2456158	2456250			
y9	1	2559983	2560100			
SR	1	3098094	3098175			
TA	-1	2242496	2242545			
i9	1	2676747	2676850			
zn	1	2249336	2249457			

2 Detail - part 4

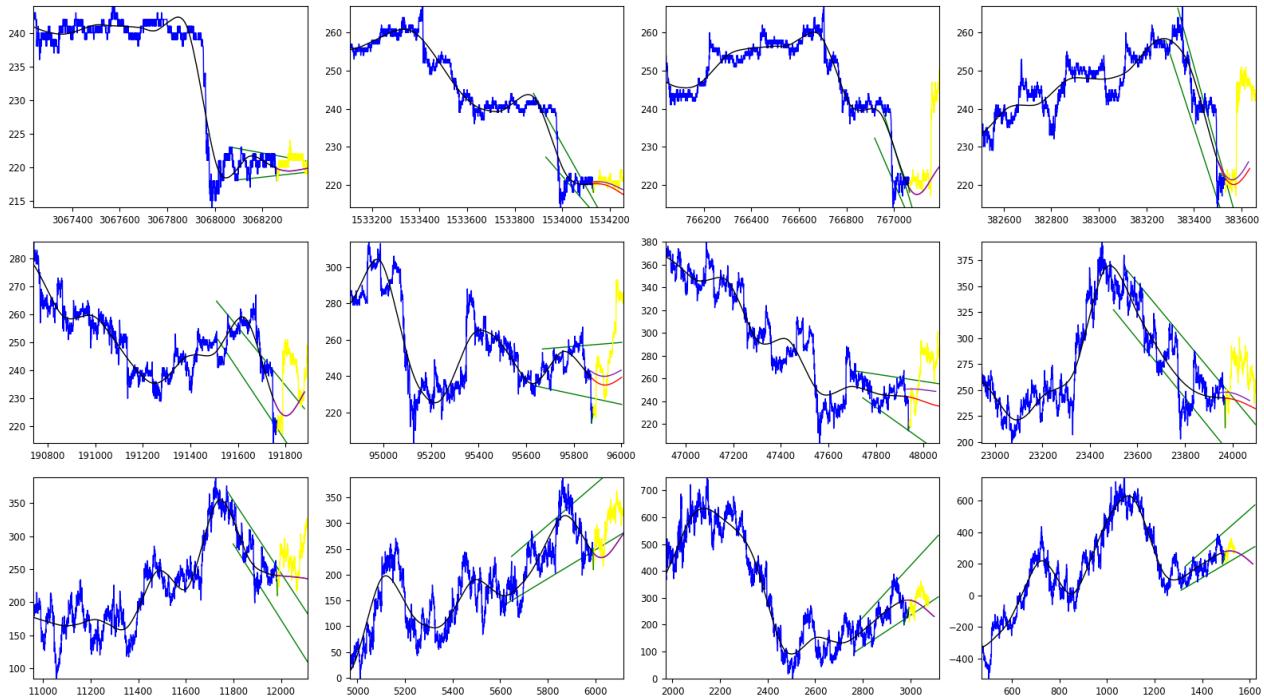
2.1 p9 3068263 3068400

3068263: ptype: 5[0] 3[1] 7[2,3,4,5] 3[6,7,8] 7[9] 4[10,11]

dir: -1[0,1,2,3,4,5,6,7,8,9] 1[10,11]

otp: -1[0] 1[1,2] 0[3] -1[4,5] 0[6,7,8] -1[9,10] 0[11]

cshape: 3[0] 5[1] 1[2,3,4] 2[5] 3[6] 1[7,8] 5[9] 4[10] 5[11]

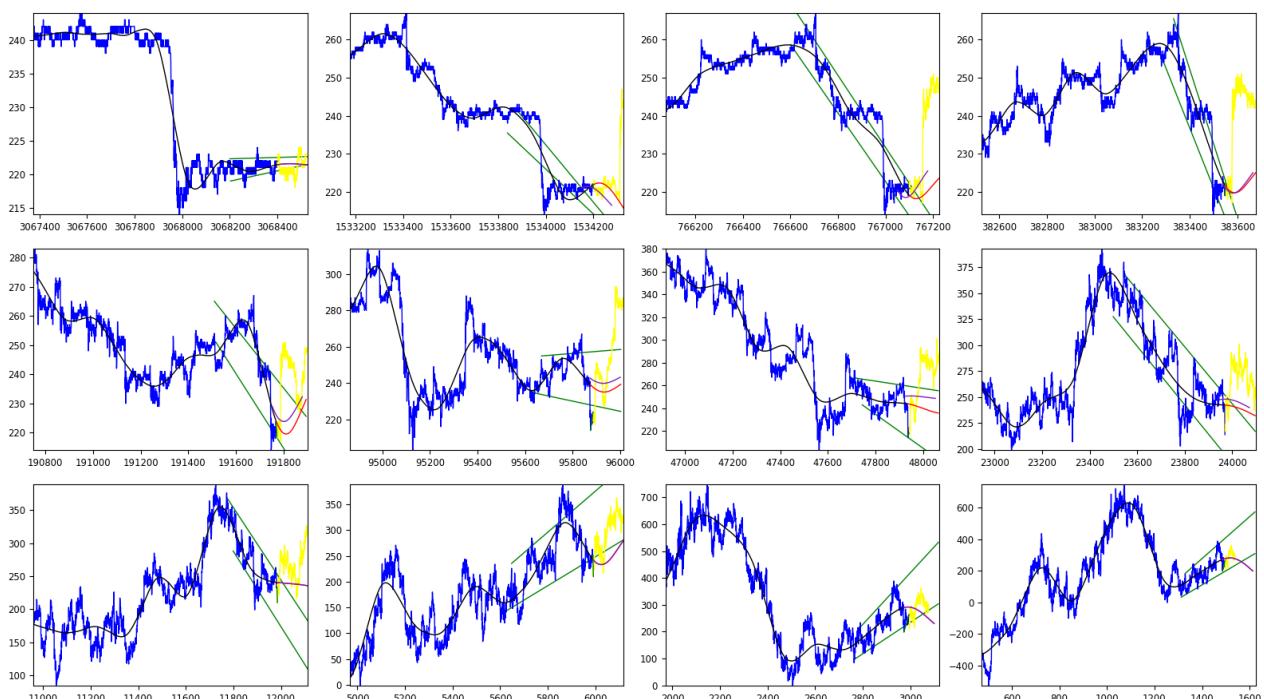


3068400: ptype: 4[0,1] 7[2,3,4,5] 3[6,7,8] 7[9] 4[10,11]

dir: 1[0,1] -1[2,3,4,5,6,7,8,9] 1[10,11]

otp: 0[0] 1[1] 0[2,3,4] -1[5] 0[6,7,8] -1[9,10] 0[11]

cshape: 3[0] 1[1,2,3,4] 2[5] 3[6] 1[7,8] 5[9] 4[10] 5[11]



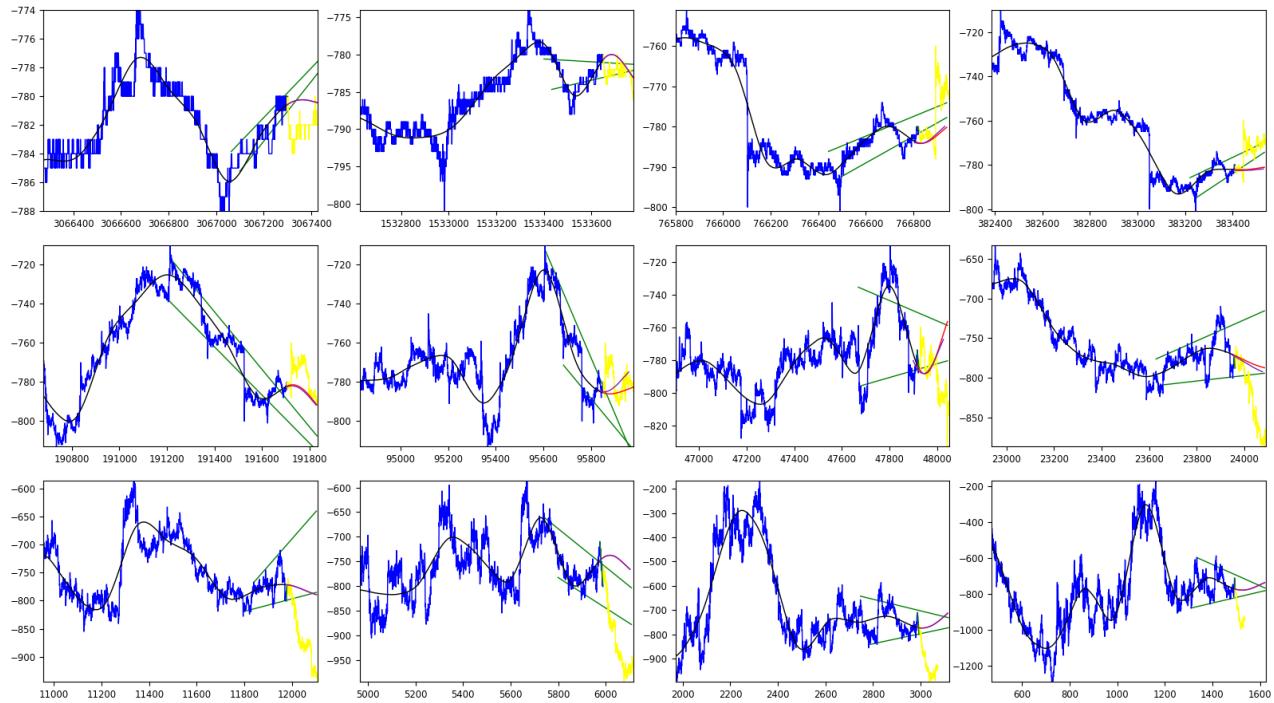
2.2 a9 3067300 3067350

3067300: ptype: 4[0] 6[1] 5[2] 2[3] 4[4] 5[5] 7[6] 3[7,8] 6[9] 5[10,11]

dir: 1[0,1] -1[2] 1[3,4] -1[5,6,7,8] 1[9] -1[10,11]

otp: 0[0] 1[1] 0[2,3] 1[4,5] 0[6,7,8,9,10,11]

cshape: 1[0] 3[1] 5[2,3] 1[4] 3[5] 2[6] 3[7,8] 1[9] 3[10,11]

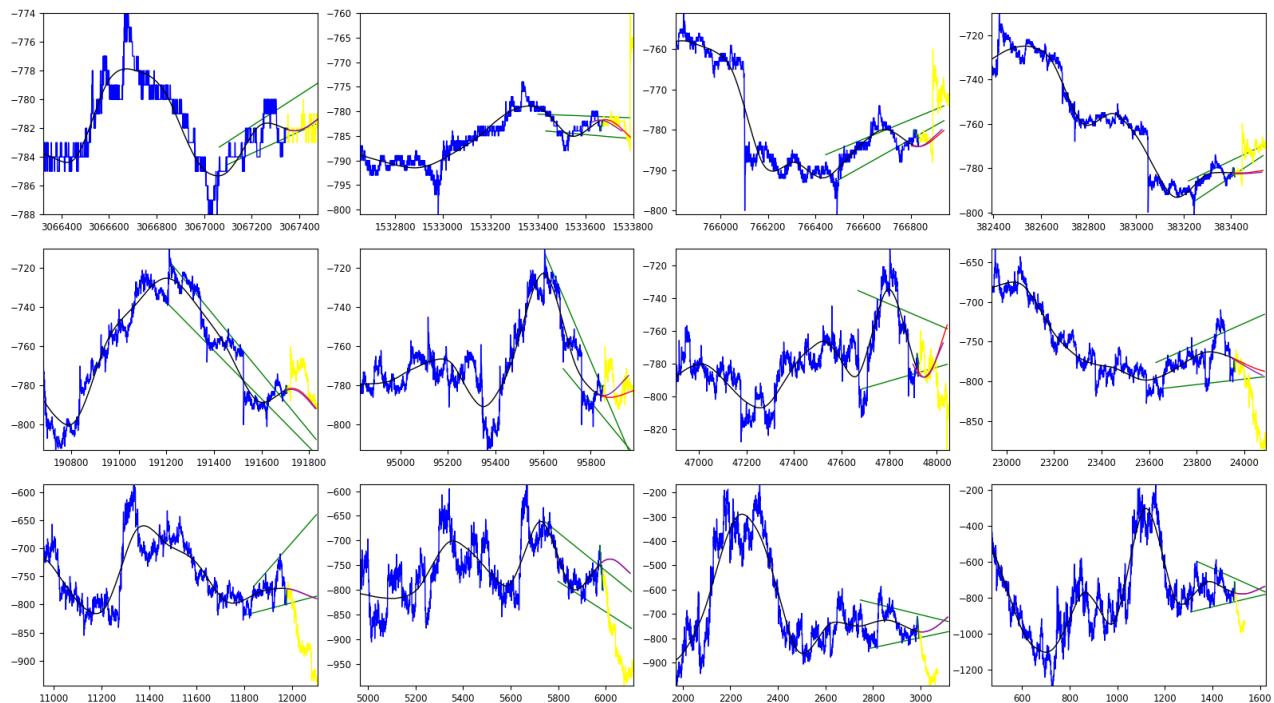


3067350: ptype: 5[0] 6[1] 5[2] 2[3] 4[4] 5[5] 7[6] 3[7,8] 6[9] 5[10,11]

dir: -1[0] 1[1] -1[2] 1[3,4] -1[5,6,7,8] 1[9] -1[10,11]

otp: 0[0,1] -1[2] 0[3] 1[4,5] 0[6,7,8,9,10,11]

cshape: 5[0] 3[1] 5[2,3] 1[4] 3[5] 2[6] 3[7,8] 1[9] 3[10,11]



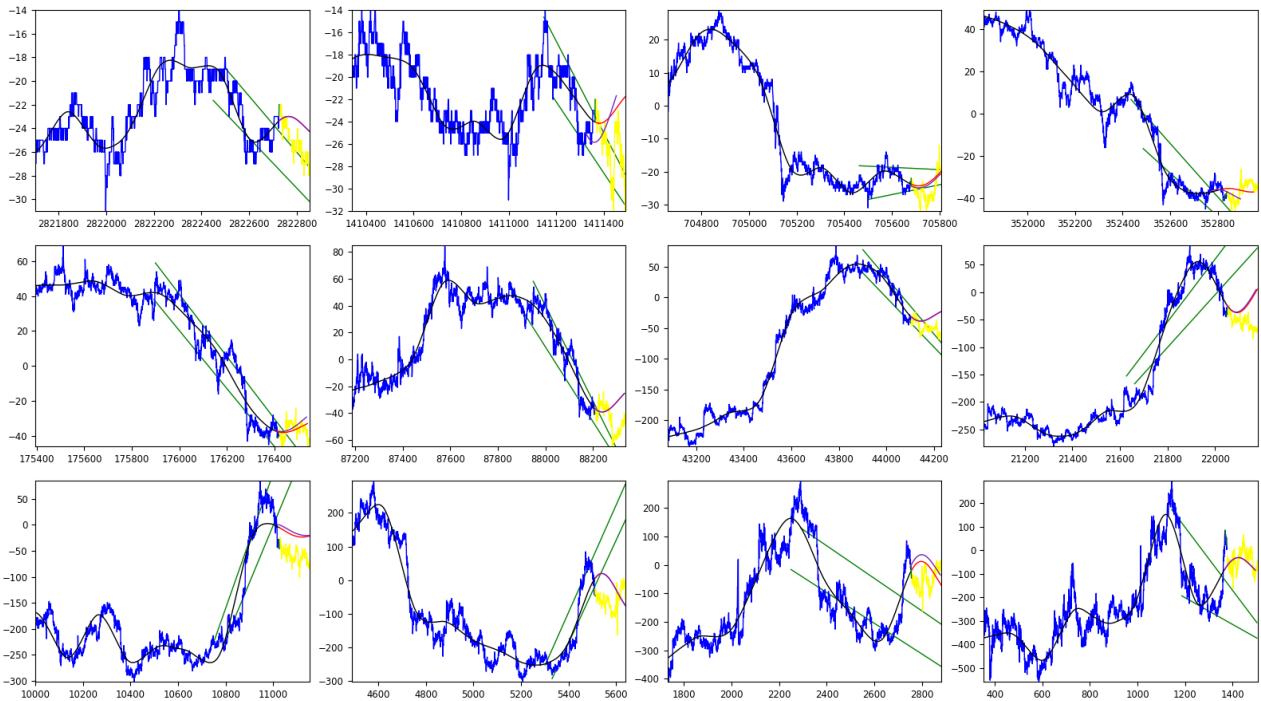
2.3 TA 2822728 2822822

2822728: ptype: 6[0] 7[1] 5[2] 1[3] 5[4] 7[5,6,7] 5[8] 6[9,10,11]

dir: 1[0] -1[1,2] 0[3] -1[4,5,6,7,8] 1[9,10,11]

otp: 1[0,1] 0[2] 1[3,4,5] 0[6] -1[7,8,9] 1[10,11]

cshape: 1[0,1] 3[2] 1[3,4,5,6,7,8,9,10] 3[11]

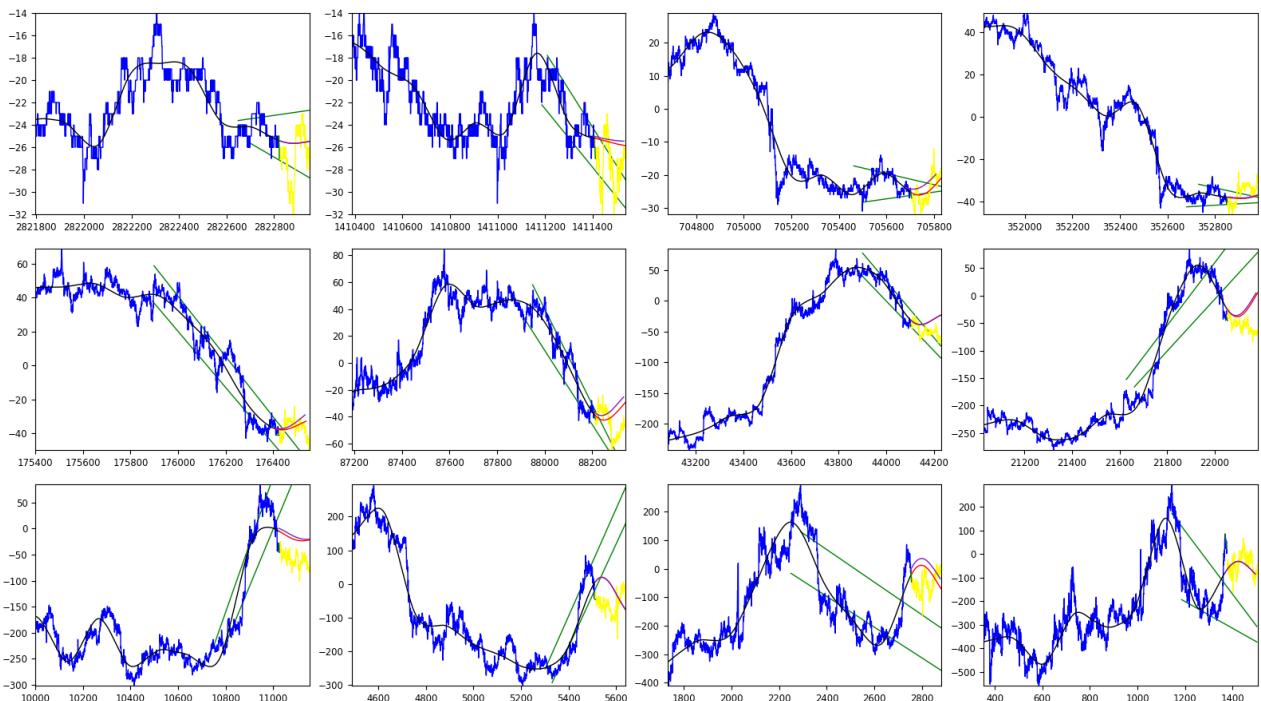


2822822: ptype: 5[0] 3[1] 7[2] 5[3,4] 7[5,6,7] 5[8] 6[9,10,11]

dir: -1[0,1,2,3,4,5,6,7,8] 1[9,10,11]

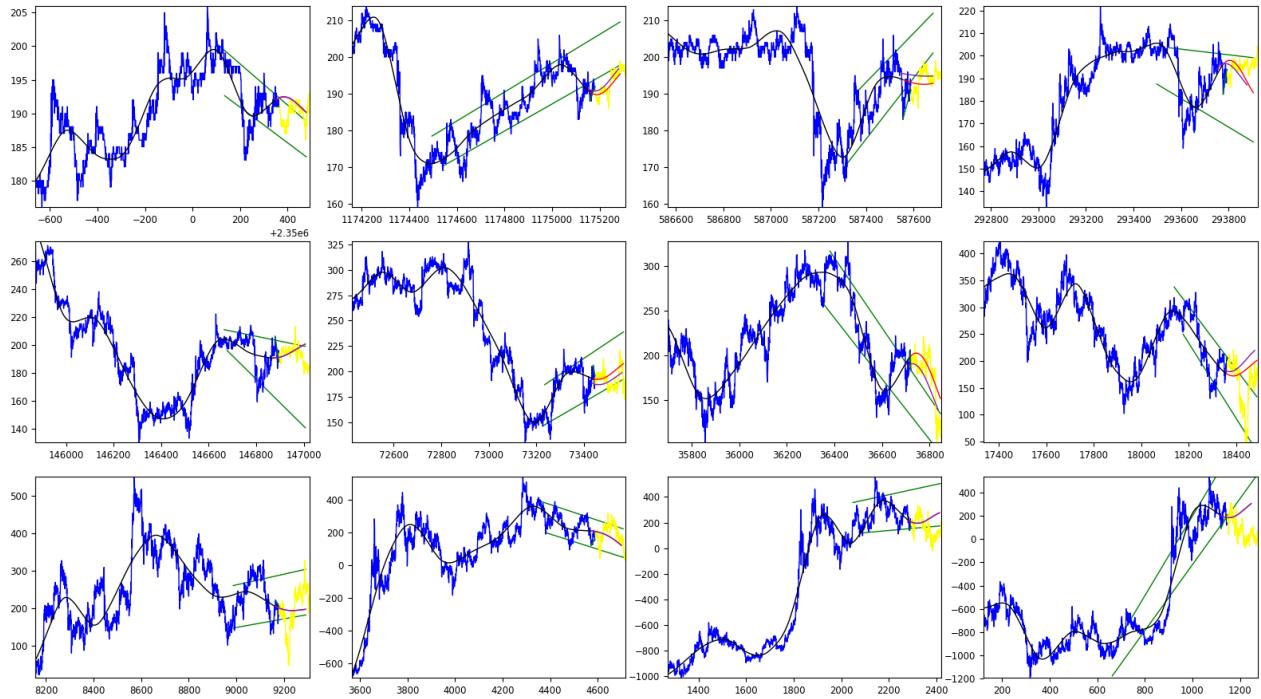
otp: 0[0,1] -1[2] 1[3,4,5] 0[6] -1[7,8,9] 1[10,11]

cshape: 3[0] 1[1] 3[2,3] 1[4,5,6,7,8,9,10] 3[11]

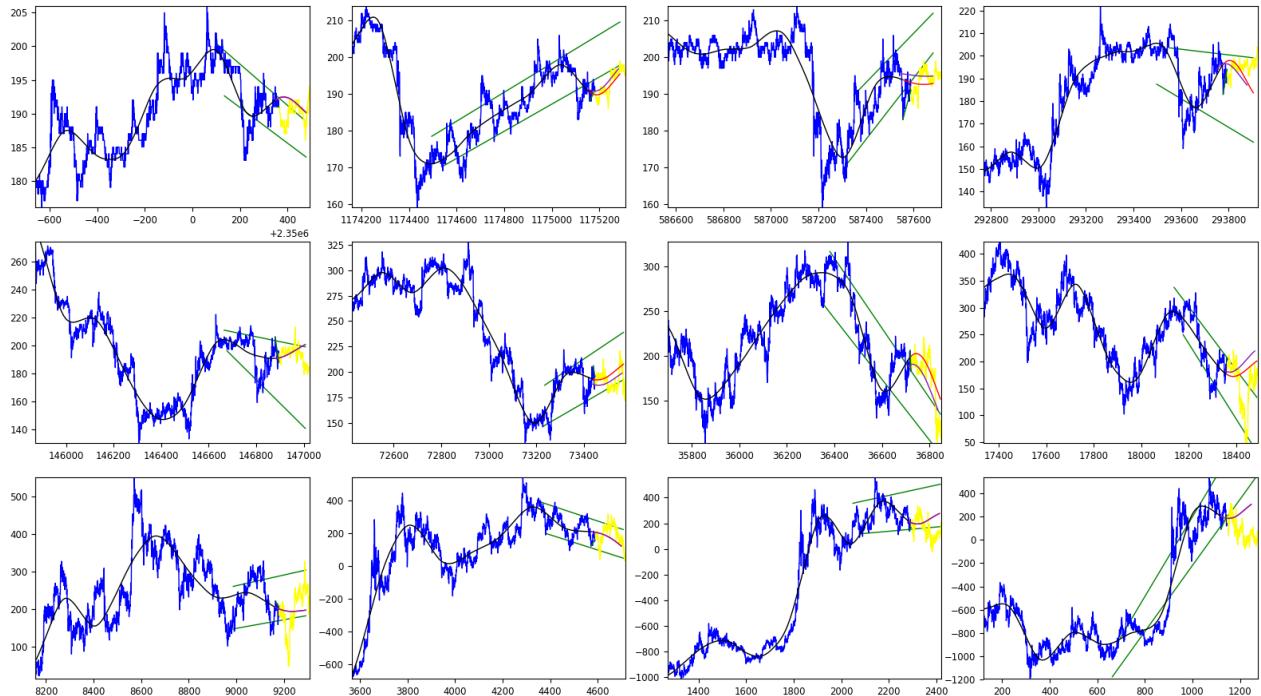


2.4 cu 2350365 2350366

2350365: ptype: 6[0] 7[1] 5[2] 6[3] 2[4] 5[5] 6[6] 7[7] 5[8] 3[9] 7[10] 5[11]
 dir: 1[0] -1[1,2] 1[3,4] -1[5] 1[6] -1[7,8,9,10,11]
 otp: 0[0] -1[1,2] 0[3,4,5] 1[6] 0[7,8,9,10] -1[11]
 cshape: 1[0,1,2] 3[3,4] 1[5,6,7,8,9] 3[10] 1[11]



2350366: ptype: 6[0] 7[1] 5[2] 6[3] 2[4] 5[5] 6[6] 7[7] 5[8] 3[9] 7[10] 5[11]
 dir: 1[0] -1[1,2] 1[3,4] -1[5] 1[6] -1[7,8,9,10,11]
 otp: 0[0] -1[1,2] 0[3,4,5] 1[6] 0[7,8,9,10] -1[11]
 cshape: 1[0,1,2] 3[3,4] 1[5,6,7,8,9] 3[10] 1[11]



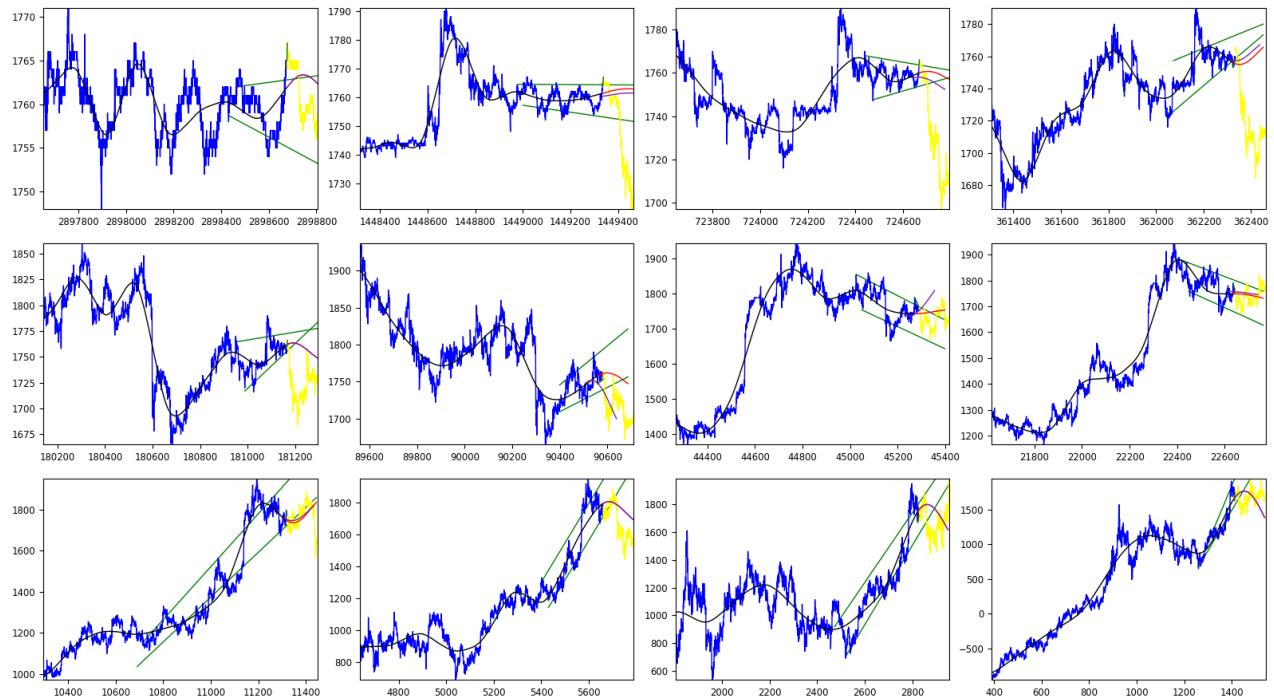
2.5 zn 2898678 2898791

2898678: ptype: 6[0] 2[1] 4[2] 5[3] 4[4,5] 2[6] 3[7] 7[8] 6[9,10,11]

dir: 1[0,1,2] -1[3] 1[4,5,6] -1[7,8] 1[9,10,11]

otp: 1[0,1,2] 0[3,4,5] 1[6] 0[7,8,9,10,11]

cshape: 3[0,1,2,3,4] 5[5] 1[6,7,8,9,10,11]

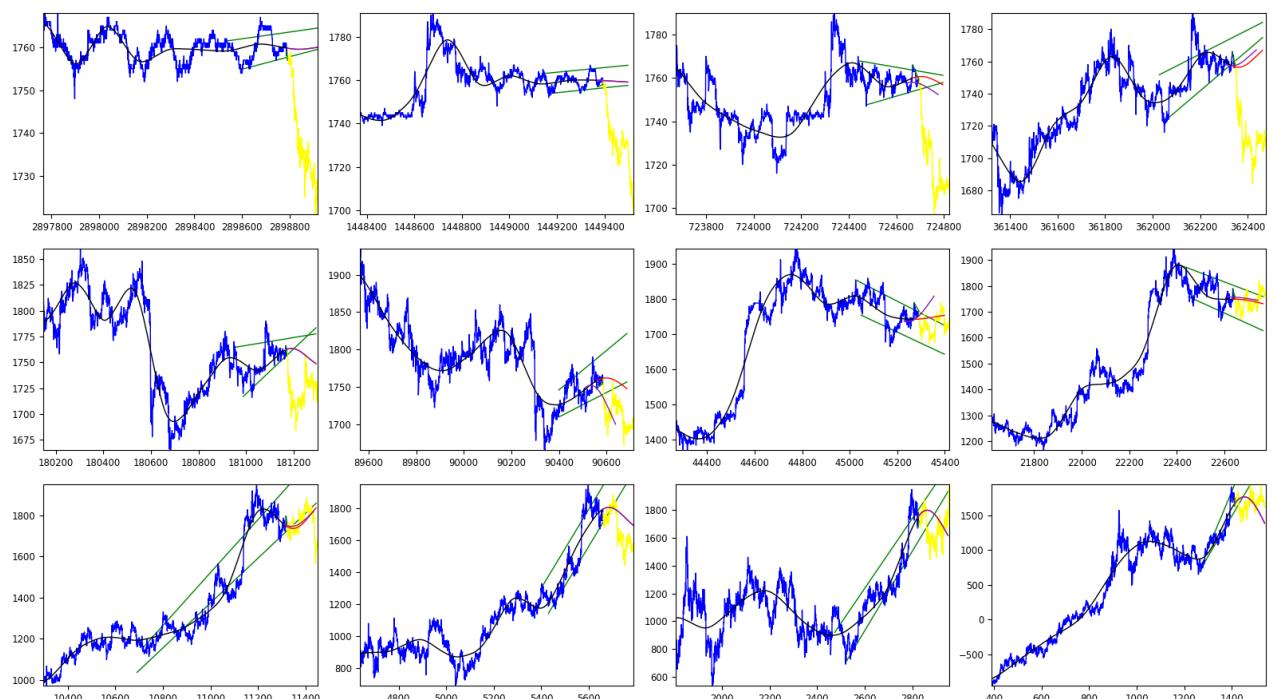


2898791: ptype: 5[0] 3[1] 4[2] 5[3] 4[4,5] 2[6] 3[7] 7[8] 6[9,10,11]

dir: -1[0,1] 1[2] -1[3] 1[4,5,6] -1[7,8] 1[9,10,11]

otp: -1[0] 0[1,2] -1[3,4] 0[5,6,7,8,9,10,11]

cshape: 3[0] 1[1] 3[2,3,4] 5[5] 1[6,7,8,9,10,11]



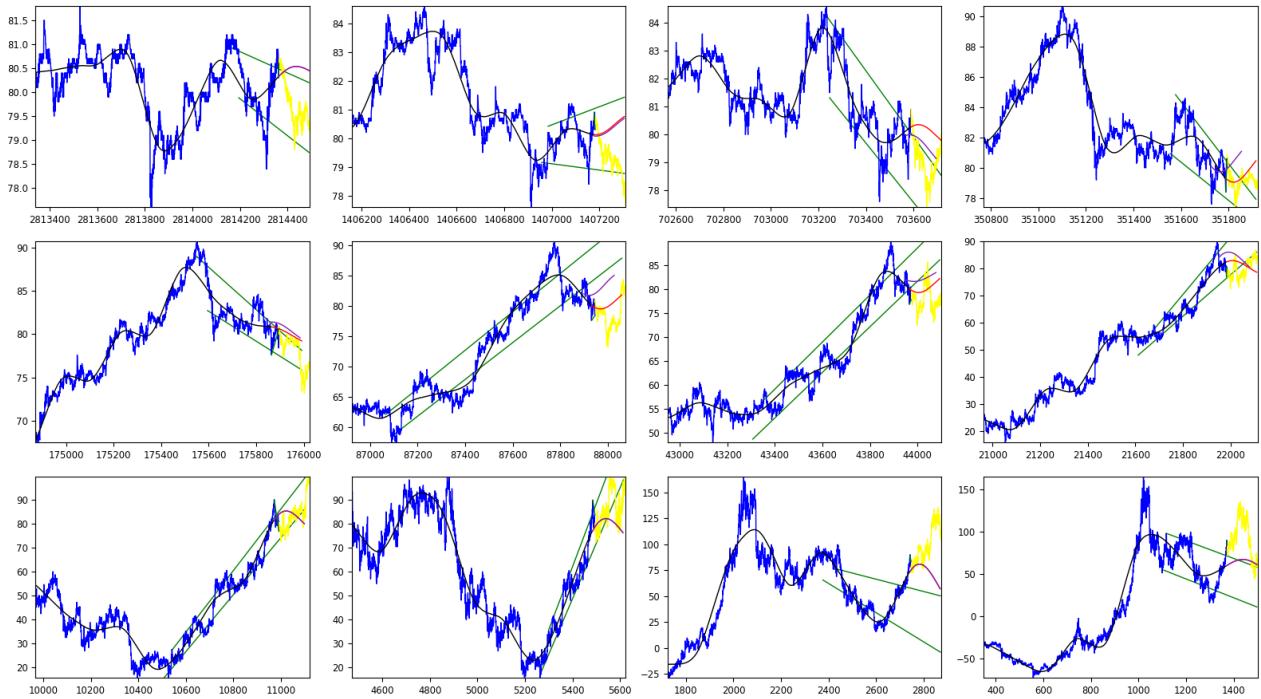
2.6 jm 2814366 2814461

2814366: ptype: 4[0] 2[1] 6[2] 7[3] 3[4] 7[5,6] 4[7] 6[8,9,10] 4[11]

dir: 1[0,1,2] -1[3,4,5,6] 1[7,8,9,10,11]

otp: 1[0] 0[1] 1[2] 0[3] 1[4] -1[5] 0[6,7,8,9] 1[10,11]

cshape: 3[0] 2[1] 1[2] 2[3] 5[4] 1[5,6,7,8,9] 3[10] 1[11]

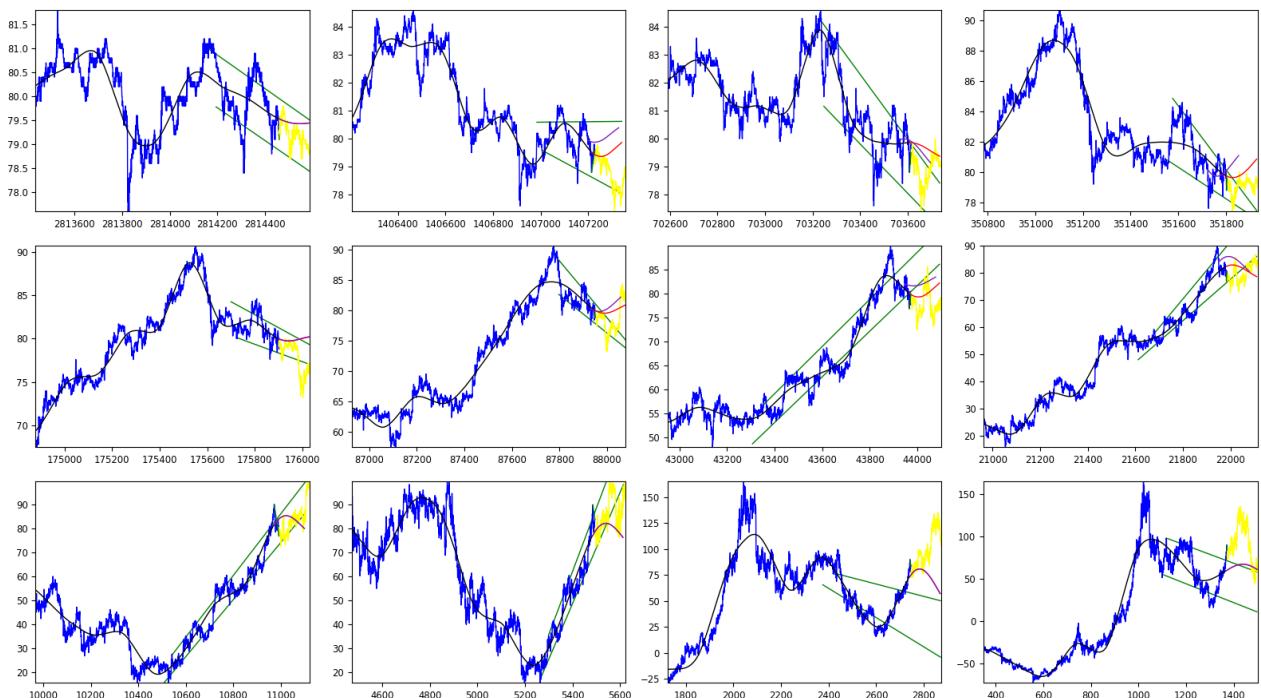


2814461: ptype: 5[0] 7[1] 3[2] 5[3,4,5] 7[6] 4[7] 6[8,9,10] 4[11]

dir: -1[0,1,2,3,4,5,6] 1[7,8,9,10,11]

otp: 0[0,1,2,3,4,5] -1[6] 0[7,8,9] 1[10,11]

cshape: 1[0] 3[1] 1[2] 2[3] 3[4] 5[5] 1[6,7,8,9] 3[10] 1[11]



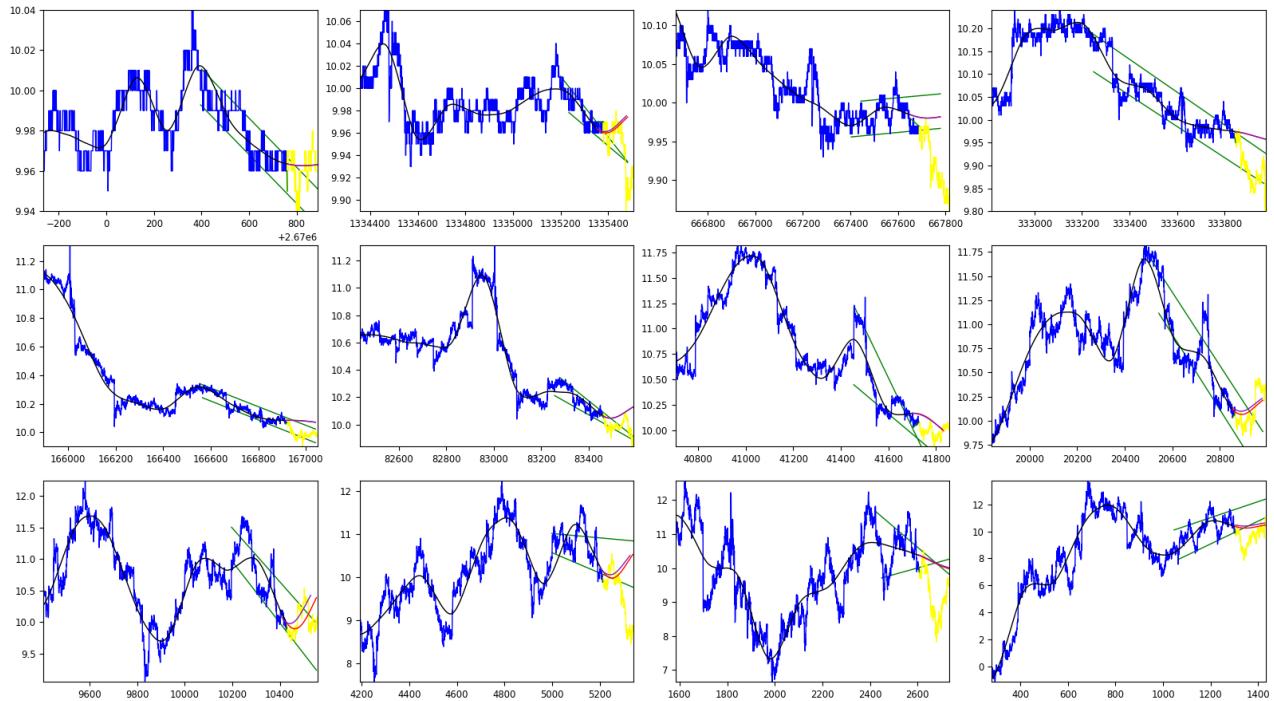
2.7 au 2670761 2670856

2670761: ptype: 5[0] 7[1] 5[2] 3[3,4] 7[5] 3[6] 7[7,8,9] 3[10] 5[11]

dir: -1[0,1,2,3,4,5,6,7,8,9,10,11]

otp: 0[0] -1[1,2] 0[3] -1[4,5] 1[6] 0[7,8] -1[9,10,11]

cshape: 1[0] 4[1] 1[2,3,4] 5[5] 3[6] 1[7,8] 3[9,10] 5[11]

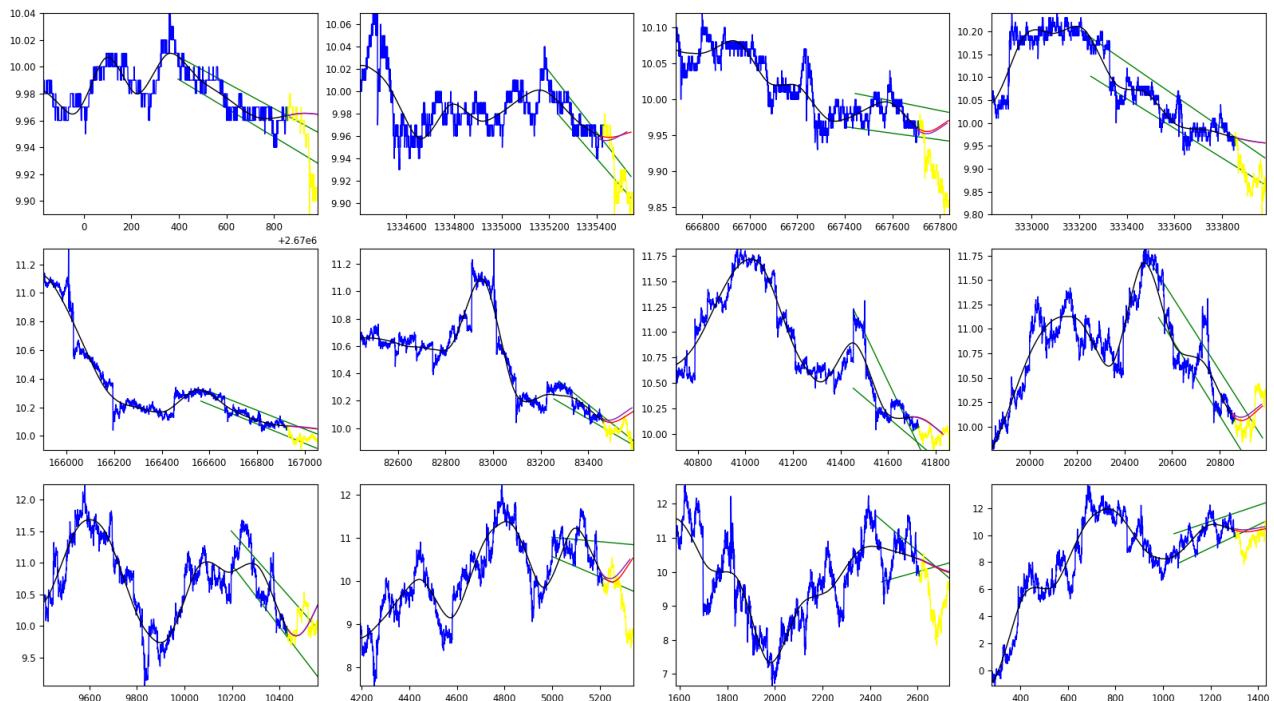


2670856: ptype: 4[0] 5[1] 7[2] 3[3,4] 7[5] 3[6] 7[7,8,9] 3[10] 5[11]

dir: 1[0] -1[1,2,3,4,5,6,7,8,9,10,11]

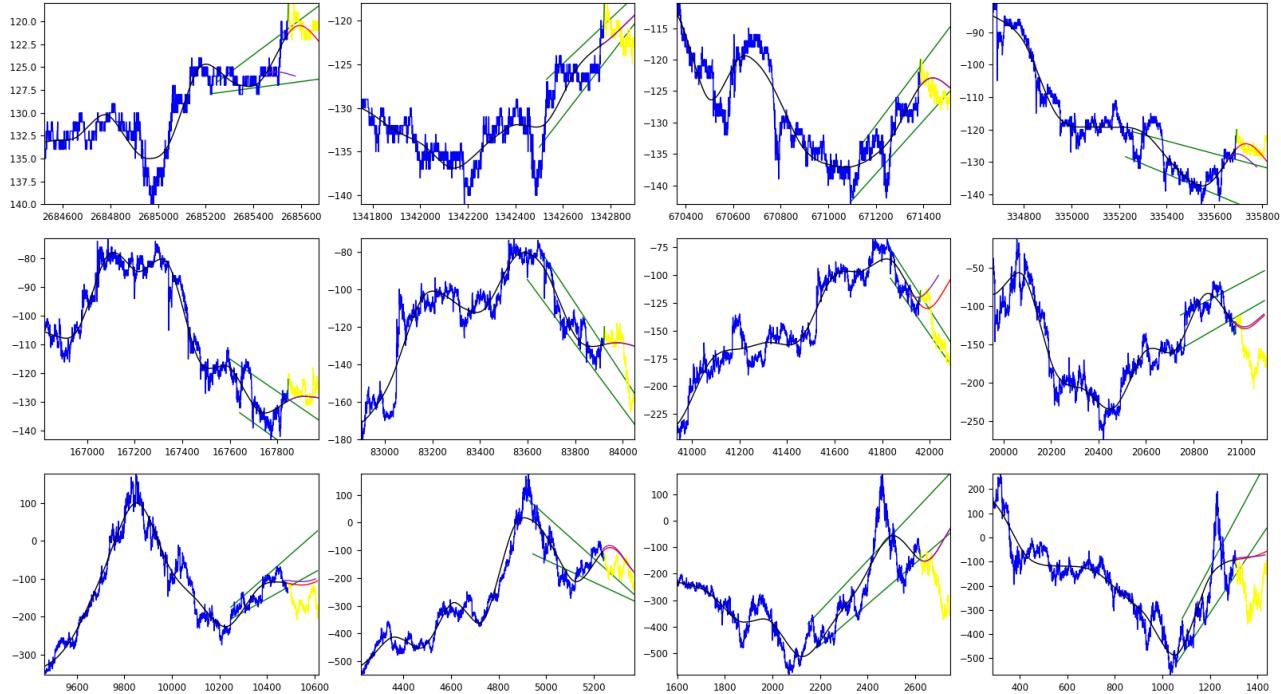
otp: 0[0] 1[1] 0[2,3] -1[4,5] 1[6] 0[7,8] -1[9,10] 0[11]

cshape: 1[0,1] 3[2] 1[3,4] 5[5] 3[6] 1[7,8] 3[9,10] 5[11]

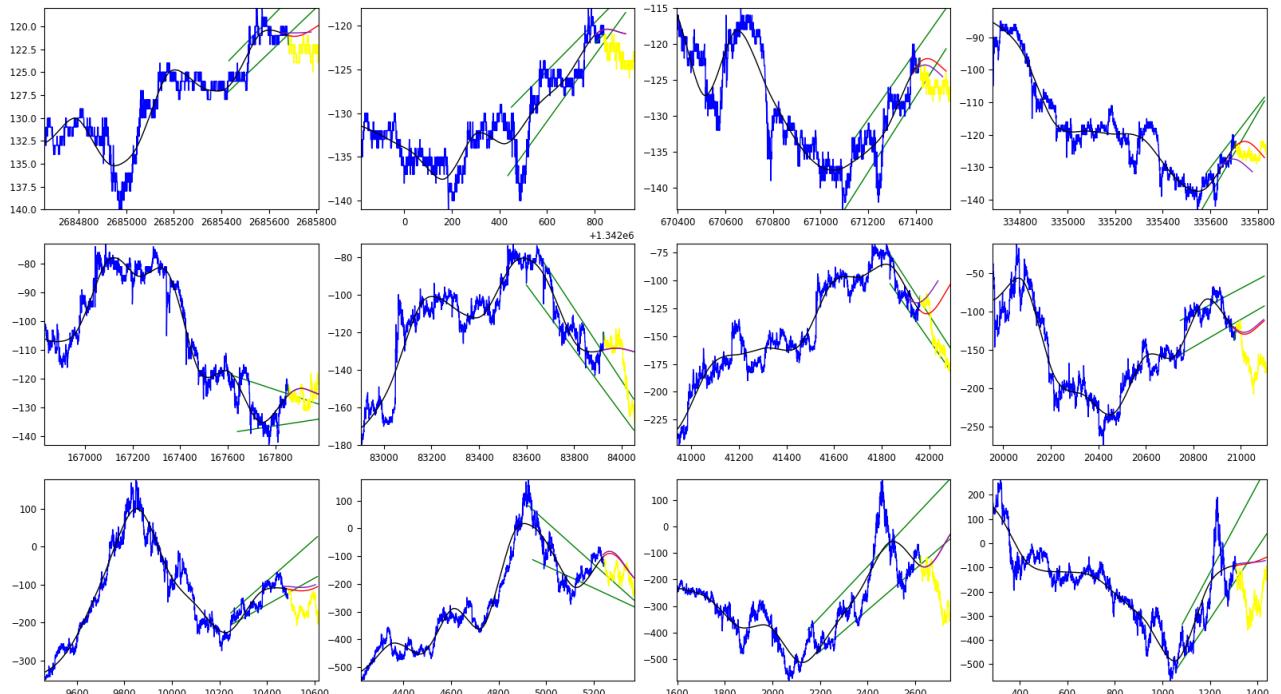


2.8 v9 2685548 2685682

2685548: ptype: 6[0] 2[1] 6[2,3] 4[4,5] 7[6,7] 5[8] 6[9] 7[10] 2[11]
 dir: 1[0,1,2,3,4,5] -1[6,7,8] 1[9] -1[10] 1[11]
 otp: 1[0,1,2,3,4,5,6] -1[7] 0[8] 1[9] 0[10,11]
 cshape: 3[0] 1[1,2] 3[3] 1[4,5,6,7] 5[8] 3[9] 1[10,11]



2685682: ptype: 5[0] 4[1] 6[2,3] 4[4,5] 7[6,7] 5[8] 6[9] 7[10] 2[11]
 dir: -1[0] 1[1,2,3,4,5] -1[6,7,8] 1[9] -1[10] 1[11]
 otp: -1[0,1] 0[2,3] 1[4,5] 0[6] -1[7,8] 1[9] 0[10,11]
 cshape: 1[0,1,2,3] 3[4] 1[5,6,7] 5[8] 3[9] 1[10,11]



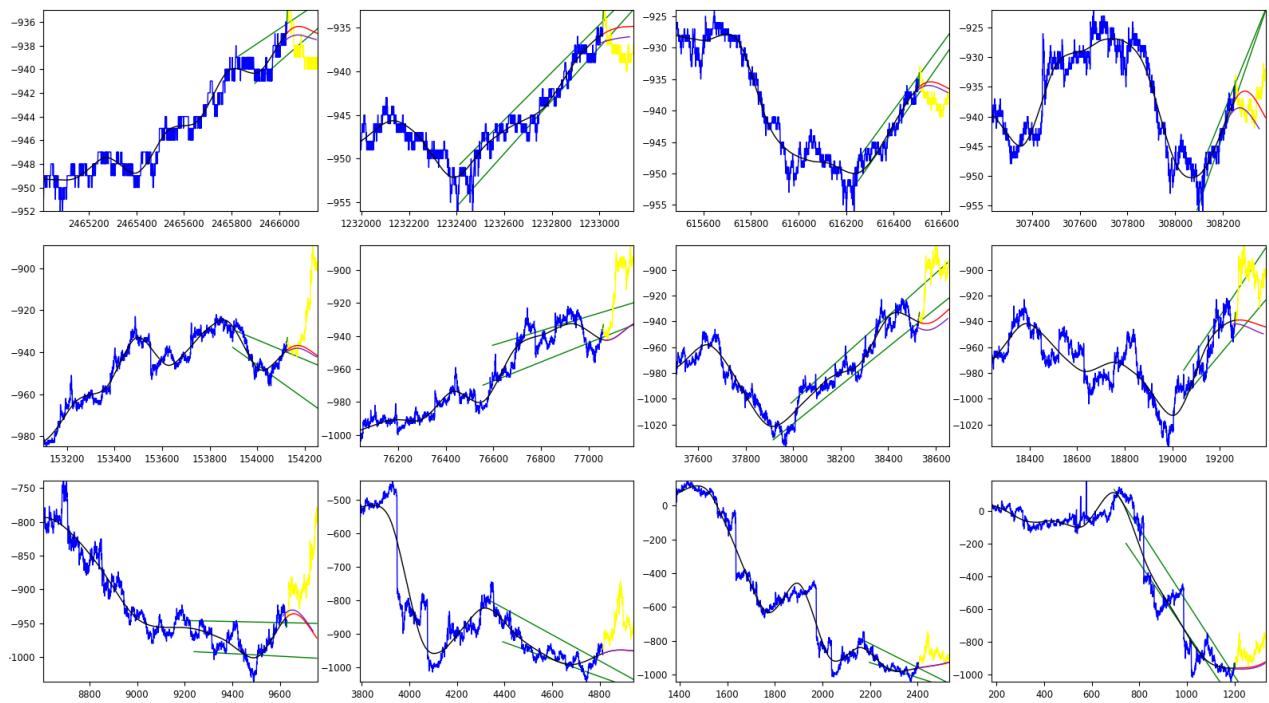
2.9 c9 2466035 2466150

2466035: ptype: 4[0] 2[1] 4[2] 6[3,4] 2[5] 5[6] 4[7] 6[8] 4[9] 2[10,11]

dir: 1[0,1,2,3,4,5] -1[6] 1[7,8,9,10,11]

otp: 1[0] 0[1,2,3] 1[4] 0[5,6,7] 1[8,9,10,11]

cshape: 1[0,1,2,3] 3[4] 5[5] 1[6,7] 3[8,9,10] 1[11]

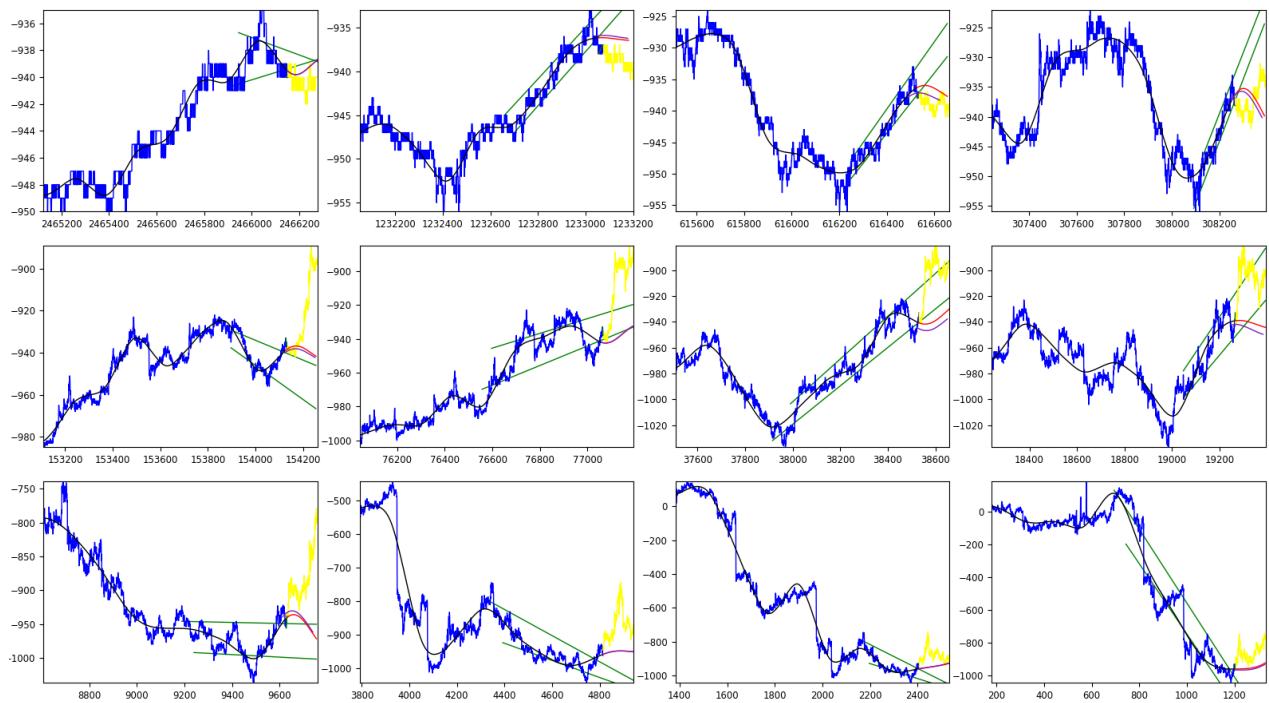


2466150: ptype: 7[0] 3[1] 4[2] 6[3,4] 2[5] 5[6] 4[7] 6[8] 4[9] 2[10,11]

dir: -1[0,1] 1[2,3,4,5] -1[6] 1[7,8,9,10,11]

otp: -1[0,1,2,3] 1[4] 0[5,6,7] 1[8,9,10,11]

cshape: 3[0] 1[1,2,3] 3[4] 5[5] 1[6,7] 3[8,9,10] 1[11]



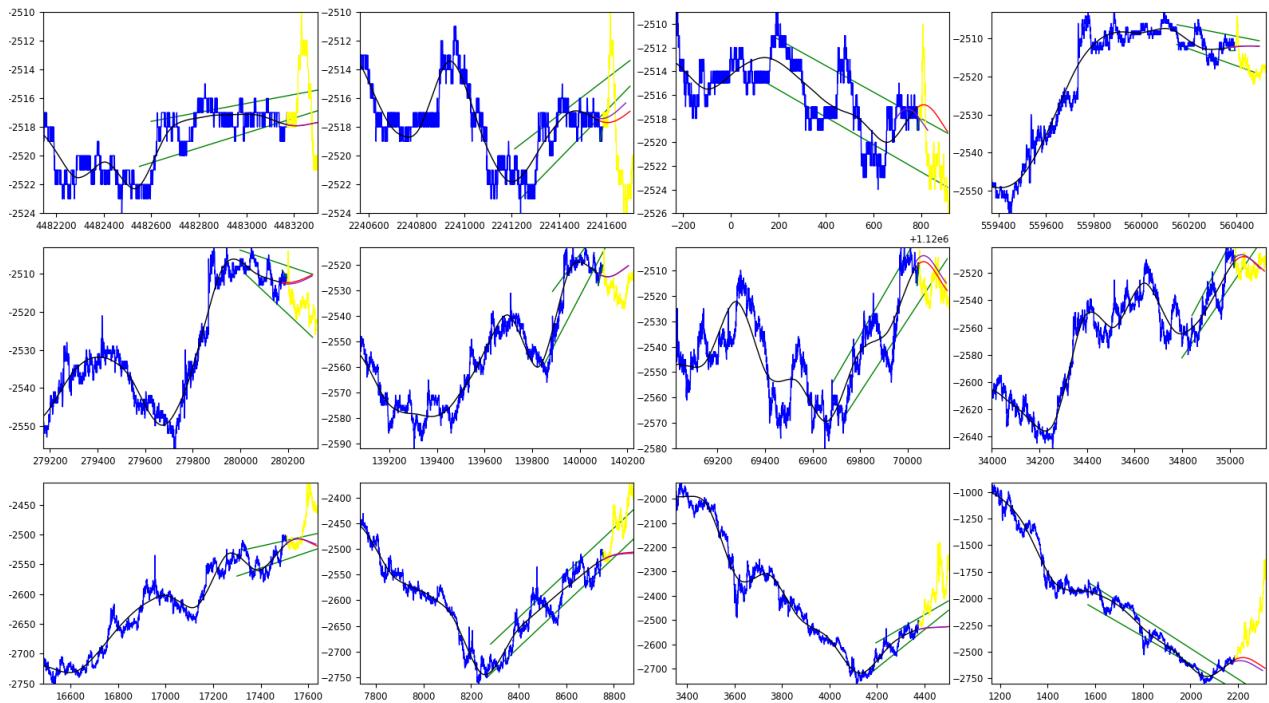
2.10 rb 4483172 4483229

4483172: ptype: 5[0,1] 6[2] 2[3] 5[4] 7[5] 6[6,7,8] 2[9,10] 4[11]

dir: -1[0,1] 1[2,3] -1[4,5] 1[6,7,8,9,10,11]

otp: -1[0,1] 0[2] -1[3] 0[4] -1[5] 0[6,7,8,9,10] 1[11]

cshape: 3[0] 1[1,2] 3[3,4] 1[5,6,7] 5[8] 1[9] 5[10] 1[11]

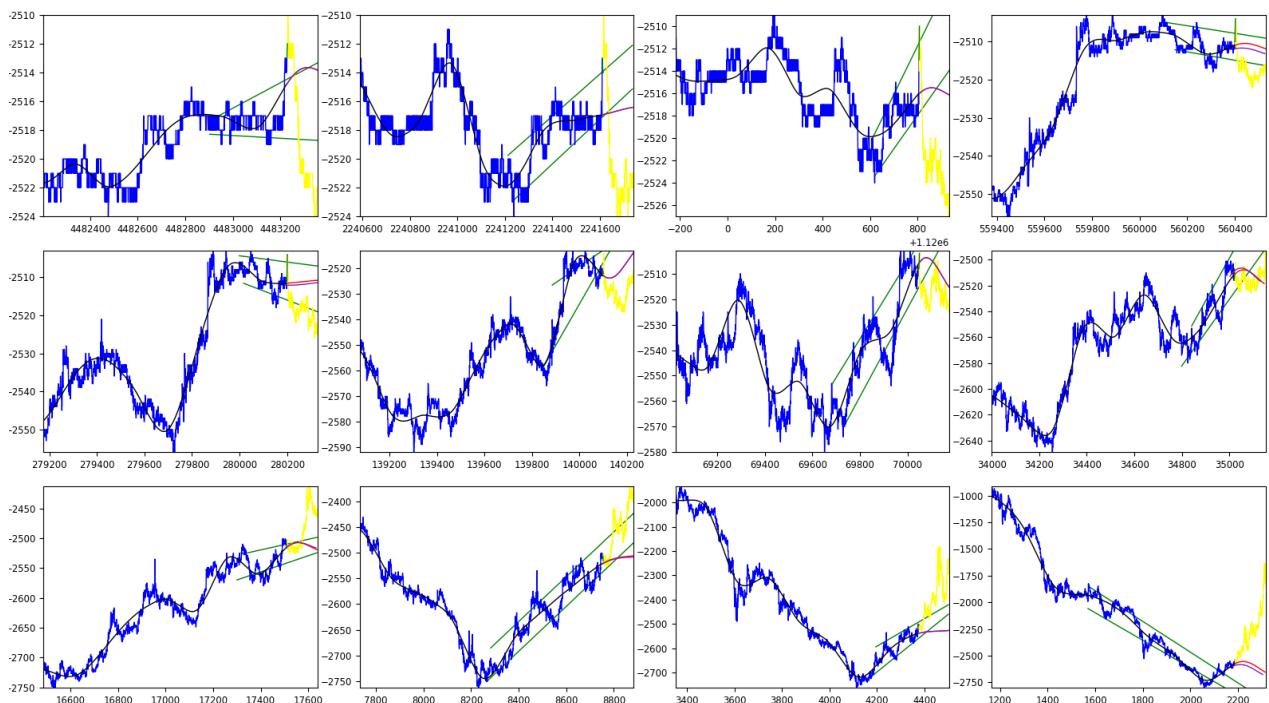


4483229: ptype: 4[0] 2[1] 6[2] 4[3] 2[4] 7[5] 6[6,7,8] 2[9,10] 4[11]

dir: 1[0,1,2,3,4] -1[5] 1[6,7,8,9,10,11]

otp: 1[0,1] 0[2,3,4] 1[5] 0[6,7,8,9,10] 1[11]

cshape: 3[0] 1[1,2,3] 3[4,5] 1[6,7] 5[8] 1[9] 5[10] 1[11]



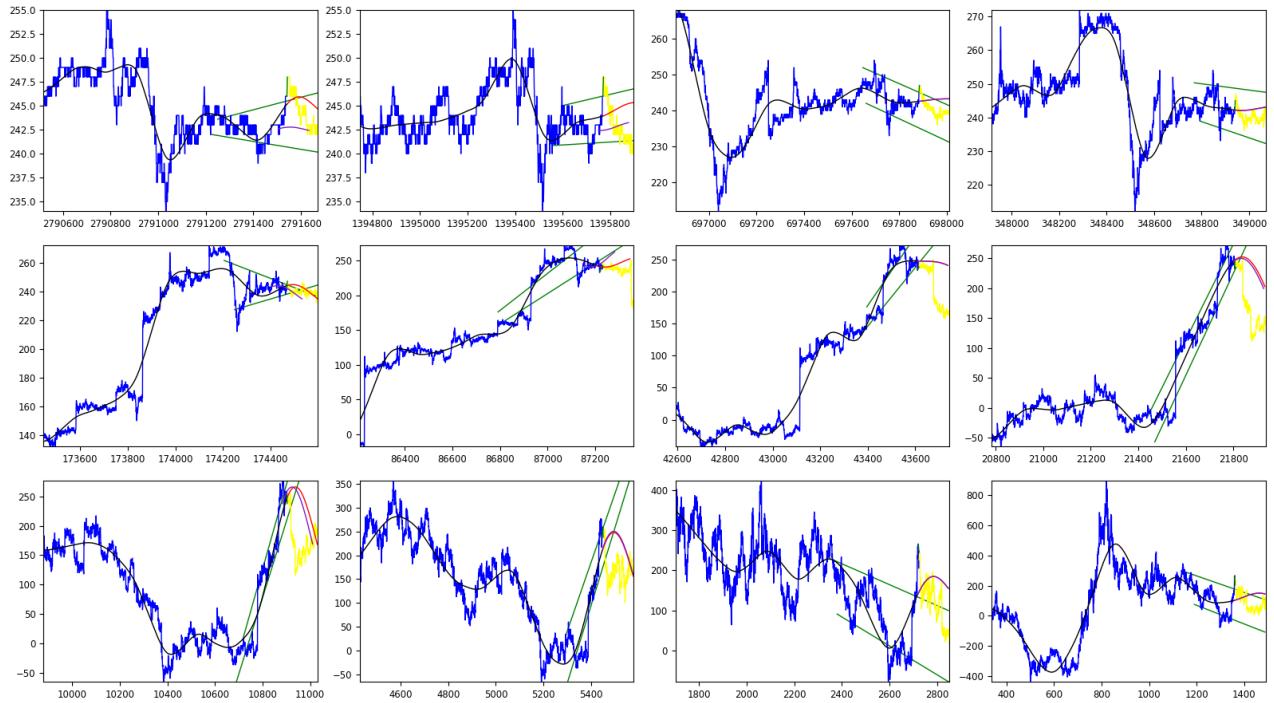
2.11 m9 2791543 2791650

2791543: ptype: 6[0] 2[1,2] 5[3] 4[4] 5[5] 3[6] 6[7,8,9,10] 4[11]

dir: 1[0,1,2] -1[3] 1[4] -1[5,6] 1[7,8,9,10,11]

otp: 1[0,1,2] 0[3] 1[4] -1[5] 0[6,7,8,9] 1[10,11]

cshape: 3[0,1] 1[2] 2[3] 3[4] 1[5,6,7,8,9] 4[10] 1[11]

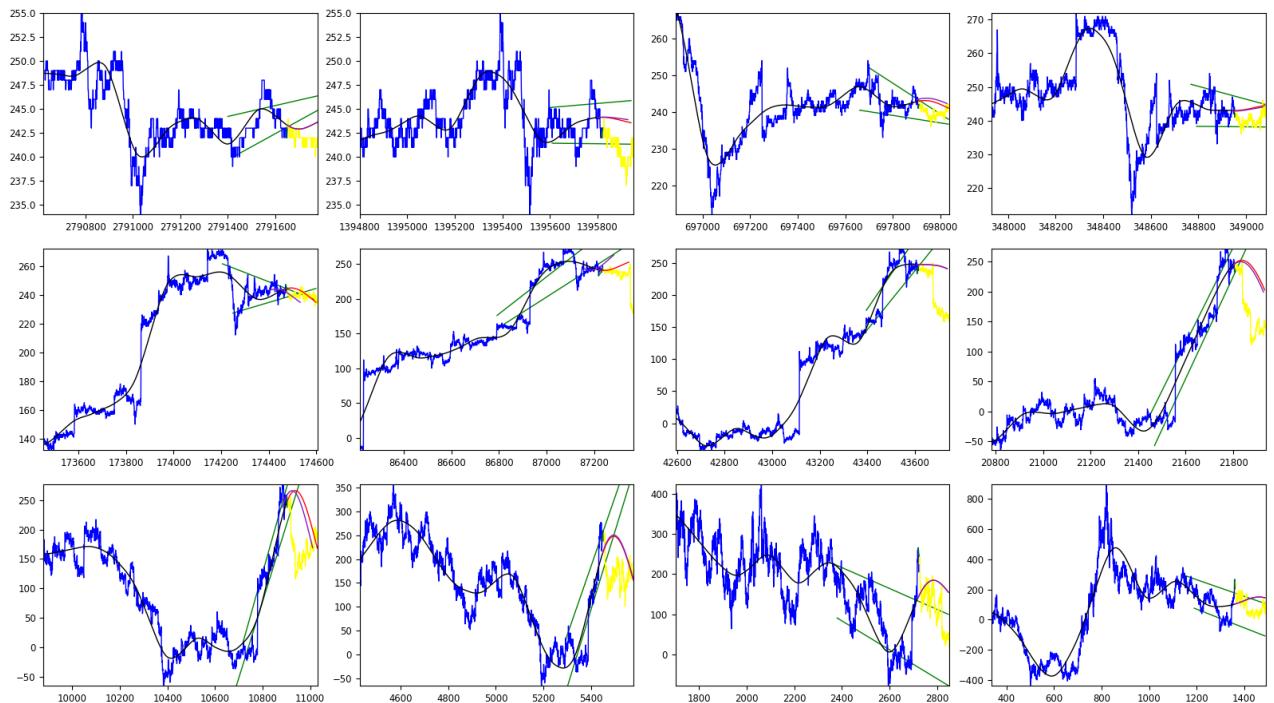


2791650: ptype: 5[0] 3[1] 4[2] 2[3] 4[4] 5[5] 3[6] 6[7,8,9,10] 4[11]

dir: -1[0,1] 1[2,3,4] -1[5,6] 1[7,8,9,10,11]

otp: -1[0] 0[1,2,3,4] -1[5,6] 0[7,8,9] 1[10,11]

cshape: 3[0,1,2] 2[3] 3[4] 1[5,6,7,8,9] 4[10] 1[11]



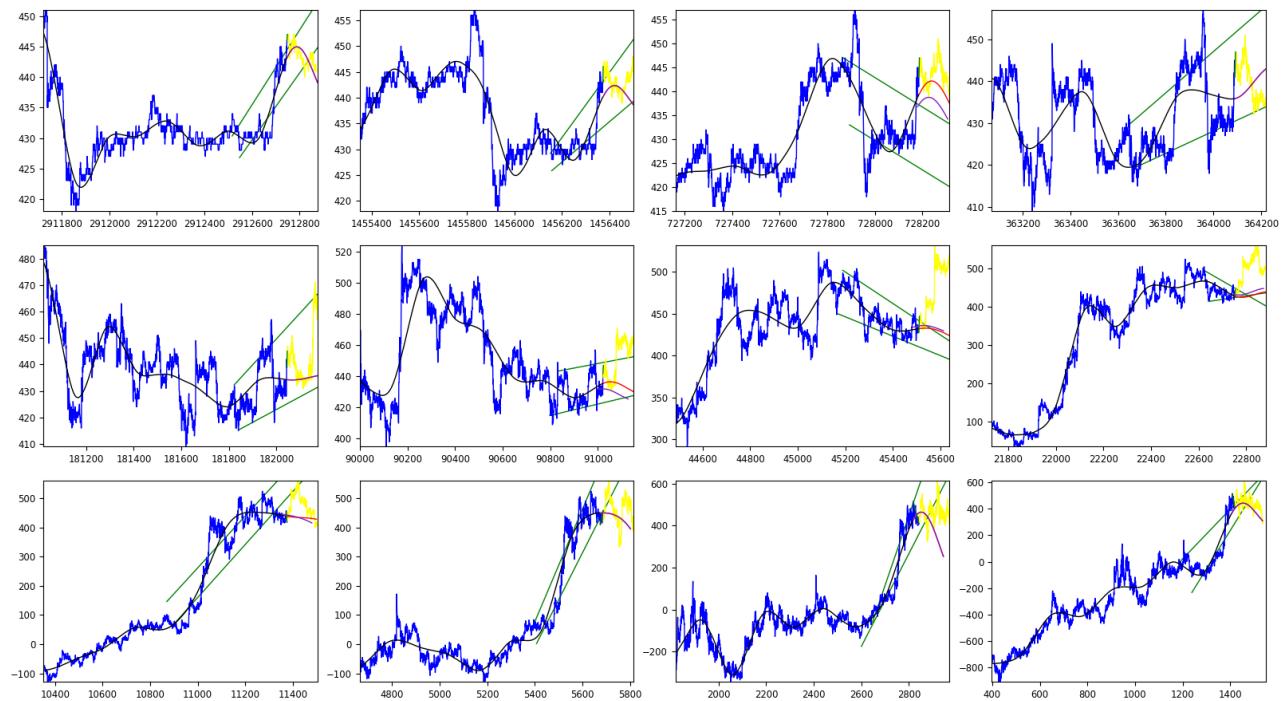
2.12 al 2912749 2912854

2912749: ptype: 6[0,1,2] 2[3,4] 4[5,6] 5[7] 3[8,9] 6[10,11]

dir: 1[0,1,2,3,4,5,6] -1[7,8,9] 1[10,11]

otp: 1[0,1,2] 0[3,4,5] 1[6] 0[7] -1[8,9] 0[10] 1[11]

cshape: 1[0] 5[1] 1[2] 3[3,4] 1[5] 3[6,7] 1[8,9,10] 5[11]

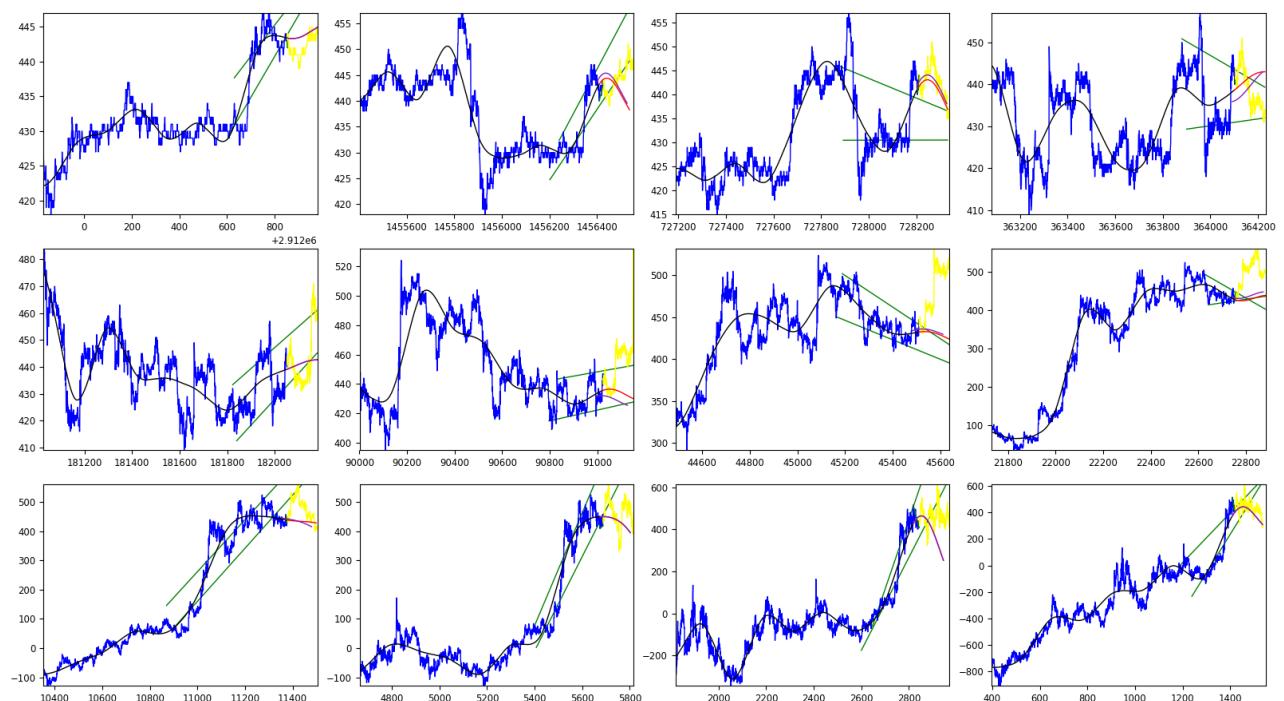


2912854: ptype: 5[0] 6[1,2] 2[3,4] 4[5,6] 5[7] 3[8,9] 6[10,11]

dir: -1[0] 1[1,2,3,4,5,6] -1[7,8,9] 1[10,11]

otp: -1[0] 0[1] 1[2] 0[3,4,5] 1[6] 0[7] -1[8,9] 0[10] 1[11]

cshape: 1[0,1] 3[2,3] 1[4,5] 3[6,7] 1[8,9,10] 5[11]



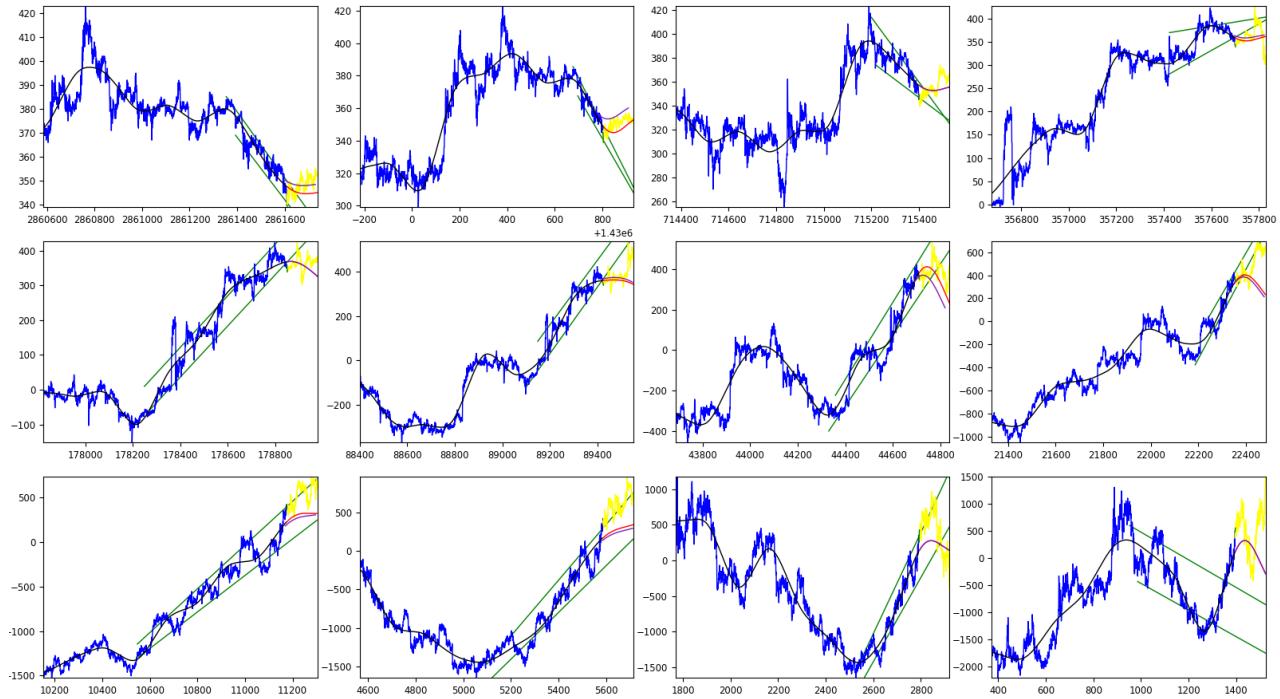
2.13 ni 2861611 2861700

2861611: ptype: 5[0] 7[1] 5[2,3] 3[4] 4[5] 6[6,7] 2[8,9] 6[10,11]

dir: -1[0,1,2,3,4] 1[5,6,7,8,9,10,11]

otp: -1[0,1,2,3,4,5] 0[6,7,8] 1[9] 0[10] 1[11]

cshape: 1[0,1] 2[2] 3[3] 1[4,5,6,7,8,9,10,11]

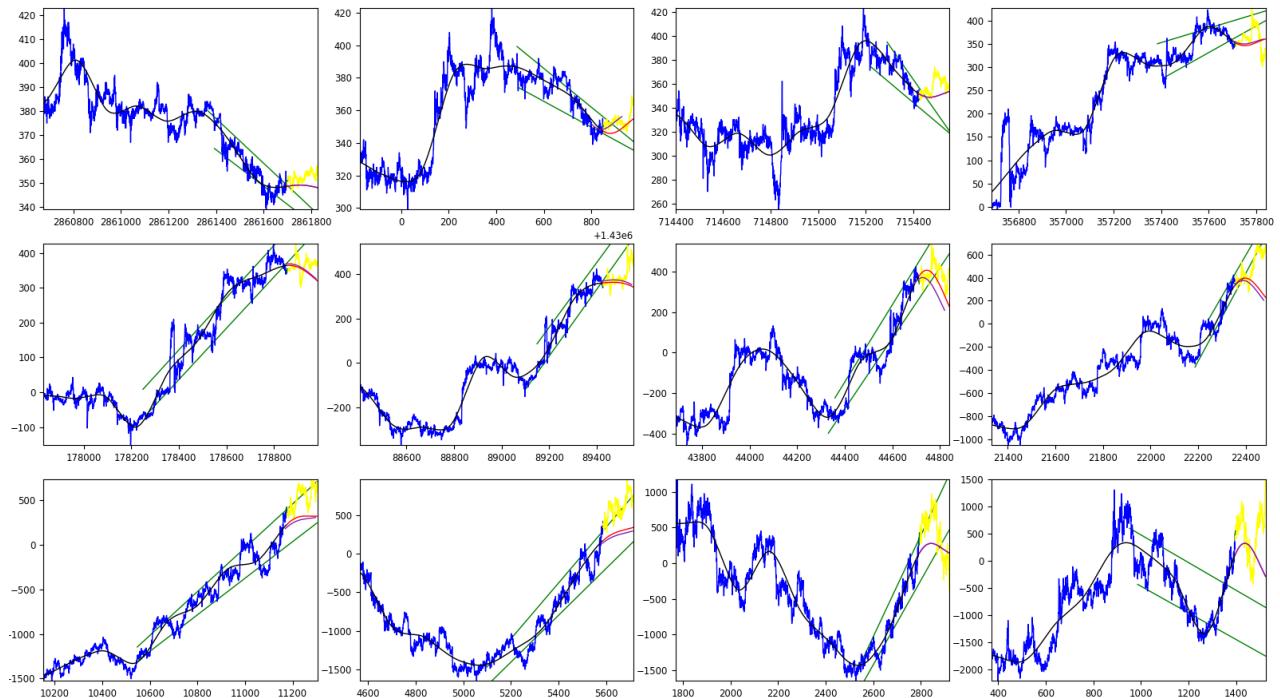


2861700: ptype: 4[0] 7[1] 5[2,3] 3[4] 4[5] 6[6,7] 2[8,9] 6[10,11]

dir: 1[0] -1[1,2,3,4] 1[5,6,7,8,9,10,11]

otp: 1[0] 0[1,2] -1[3,4,5] 0[6,7,8] 1[9,10,11]

cshape: 1[0] 2[1,2] 3[3] 1[4,5,6,7,8,9,10,11]



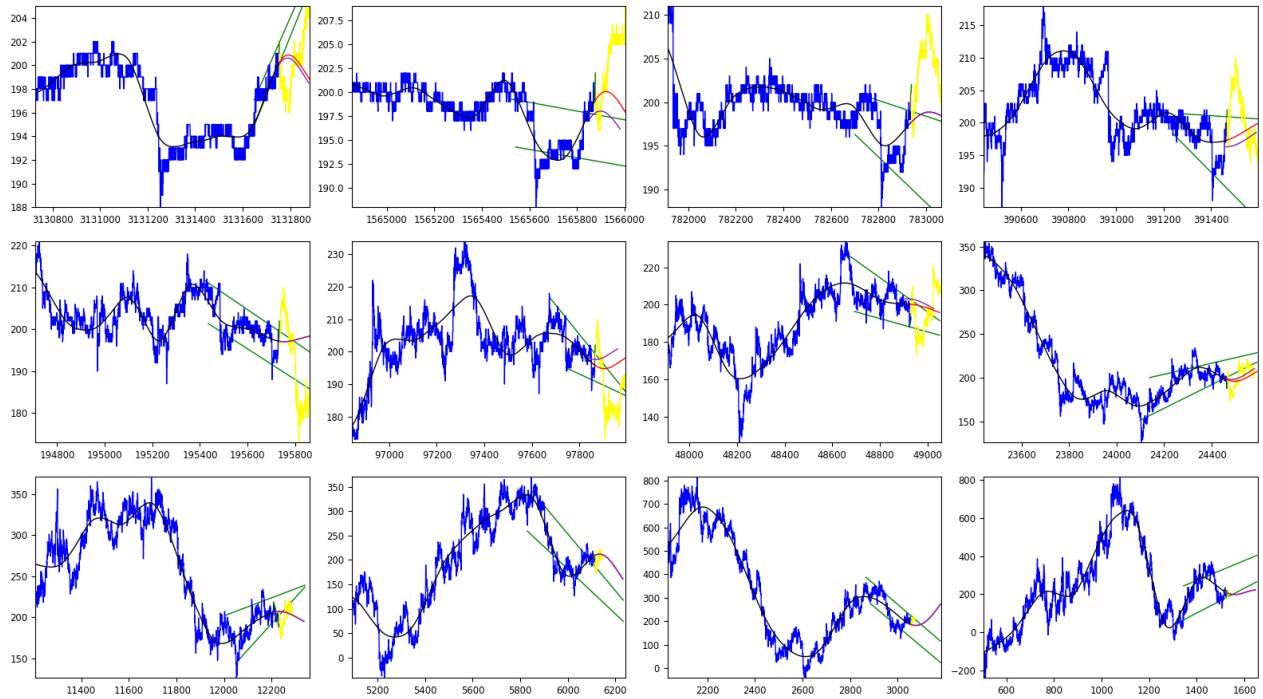
2.14 y9 3131754 3131800

3131754: ptype: 6[0,1] 4[2] 2[3] 5[4] 7[5] 3[6] 5[7] 4[8] 6[9] 5[10,11]

dir: 1[0,1,2,3] -1[4,5,6,7] 1[8,9] -1[10,11]

otp: 1[0,1,2,3,4,5] 0[6,7] -1[8] 1[9] 0[10,11]

cshape: 1[0,1,2] 3[3] 1[4] 3[5,6,7,8] 1[9,10,11]

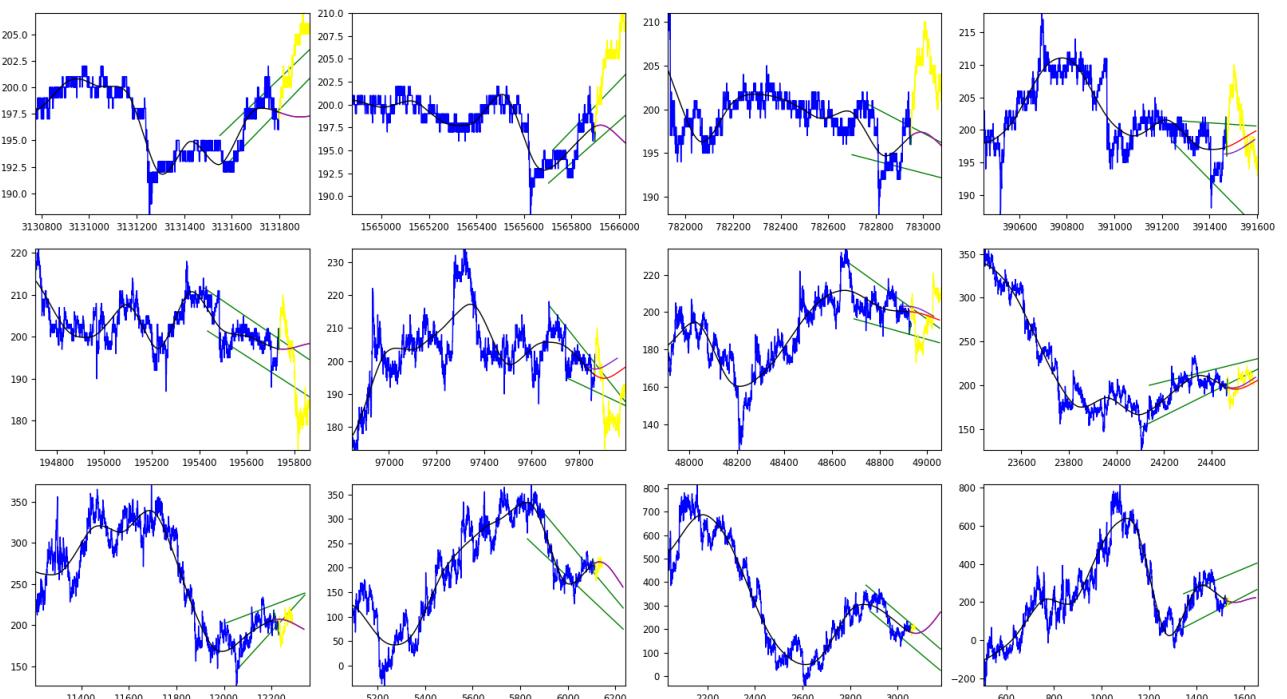


3131800: ptype: 5[0] 6[1,2] 2[3] 5[4] 7[5] 3[6] 5[7] 4[8] 6[9] 5[10,11]

dir: -1[0] 1[1,2,3] -1[4,5,6,7] 1[8,9] -1[10,11]

otp: 0[0,1] 1[2] 0[3,4,5,6] -1[7,8] 1[9] 0[10,11]

cshape: 1[0,1,2] 3[3] 1[4] 3[5,6,7,8] 1[9,10,11]



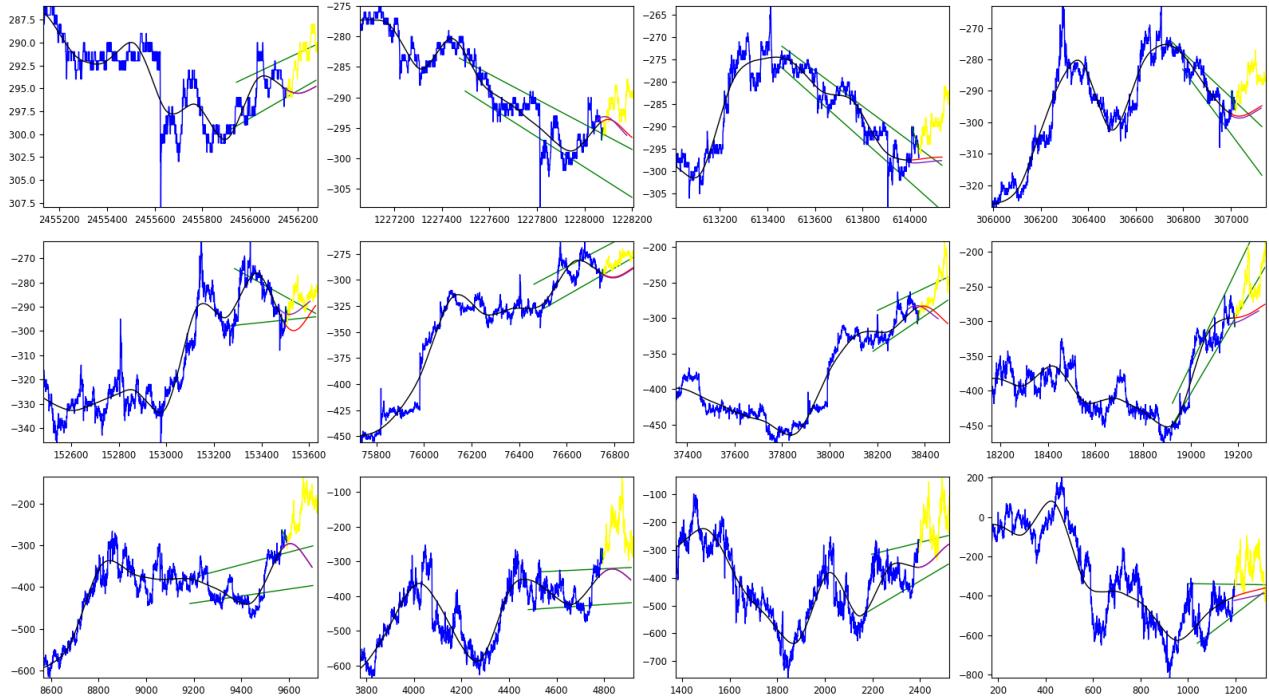
2.15 19 2456158 2456250

2456158: ptype: 5[0] 6[1] 2[2] 5[3] 7[4] 5[5] 6[6] 2[7] 6[8,9] 2[10,11]

dir: -1[0] 1[1,2] -1[3,4,5] 1[6,7,8,9,10,11]

otp: -1[0] 1[1] 0[2,3] -1[4,5] 0[6] -1[7] 1[8,9] 0[10] 1[11]

cshape: 1[0,1,2] 5[3] 3[4] 1[5] 5[6] 1[7] 3[8] 5[9] 3[10,11]



2456250: ptype: 4[0,1] 6[2] 5[3] 7[4] 5[5] 6[6] 2[7] 6[8,9] 2[10,11]

dir: 1[0,1,2] -1[3,4,5] 1[6,7,8,9,10,11]

otp: 0[0,1] 1[2,3] 0[4,5,6,7] 1[8,9] 0[10] 1[11]

cshape: 5[0] 1[1,2] 5[3] 3[4] 1[5] 5[6] 1[7] 3[8] 5[9] 3[10,11]



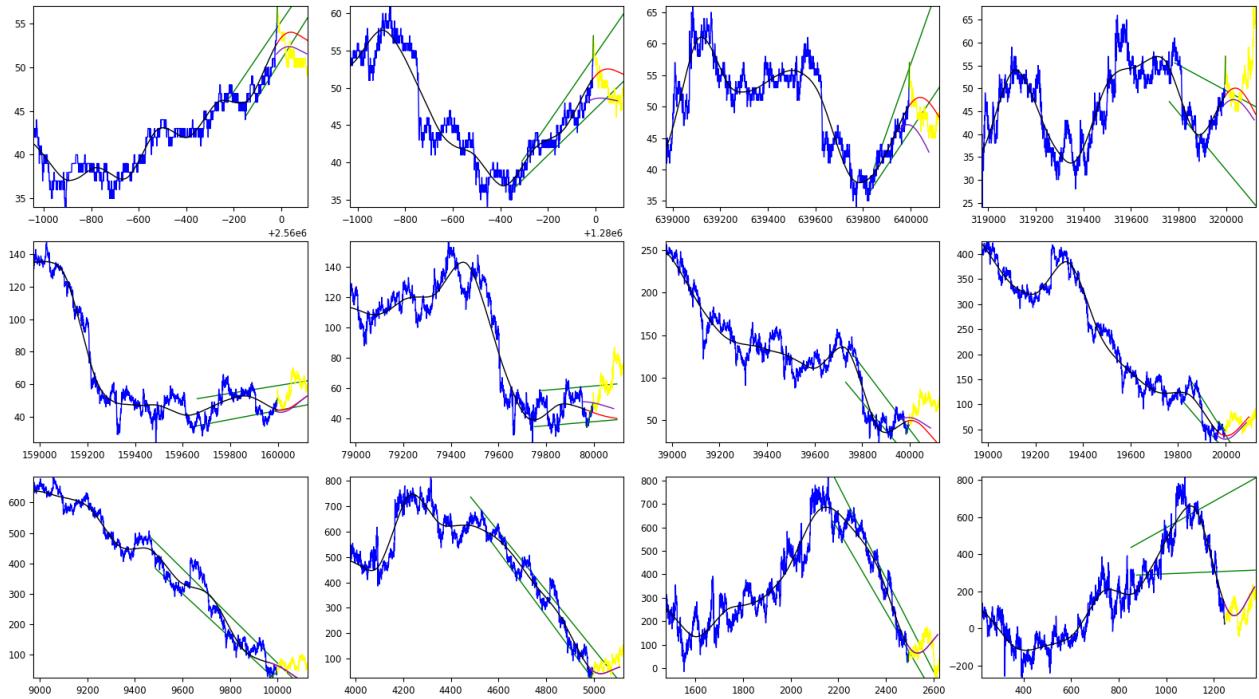
2.16 y9 2559983 2560100

2559983: ptype: 6[0] 4[1] 6[2,3] 5[4] 3[5] 4[6] 7[7] 3[8] 5[9] 7[10,11]

dir: 1[0,1,2,3] -1[4,5] 1[6] -1[7,8,9,10,11]

otp: 1[0,1,2,3] 0[4,5] 1[6,7] 0[8,9] -1[10,11]

cshape: 1[0,1] 5[2] 2[3] 1[4,5,6,7,8,9,10] 3[11]

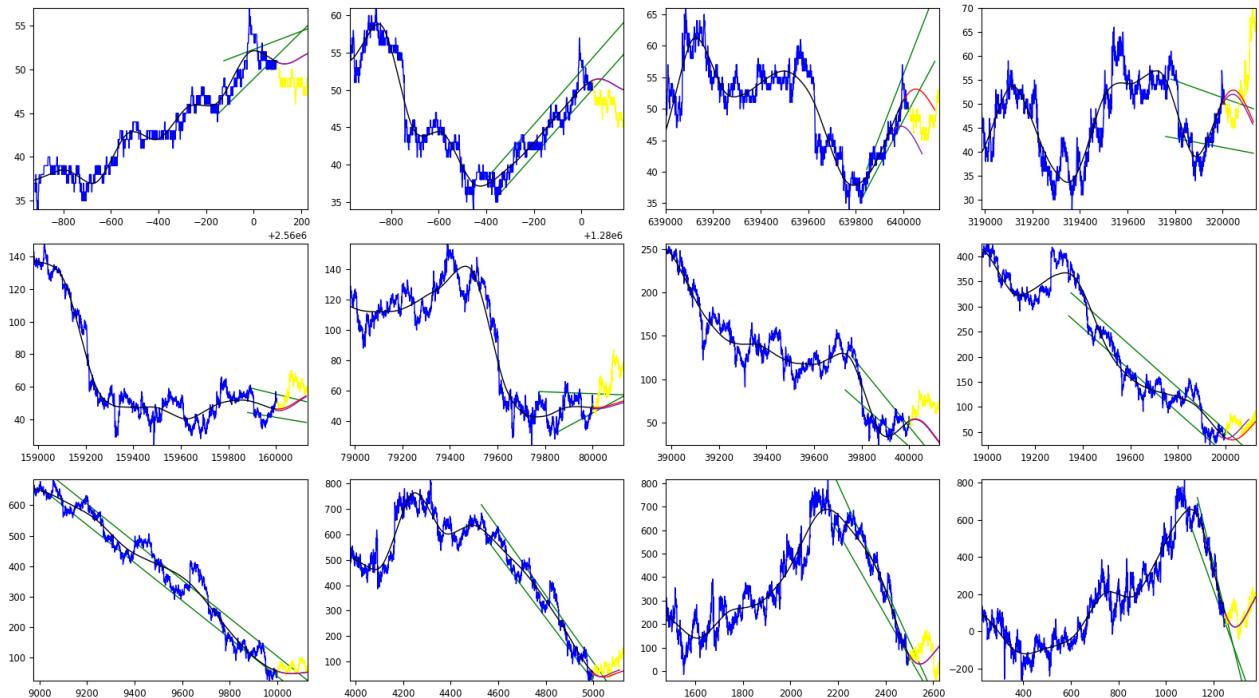


2560100: ptype: 5[0] 4[1] 6[2,3] 2[4,5] 6[6] 7[7] 5[8,9] 7[10,11]

dir: -1[0] 1[1,2,3,4,5,6] -1[7,8,9,10,11]

otp: -1[0] 0[1,2,3,4,5] 1[6] 0[7,8,9] -1[10] 0[11]

cshape: 3[0] 1[1,2] 2[3,4] 3[5] 5[6] 1[7,8,9,10,11]



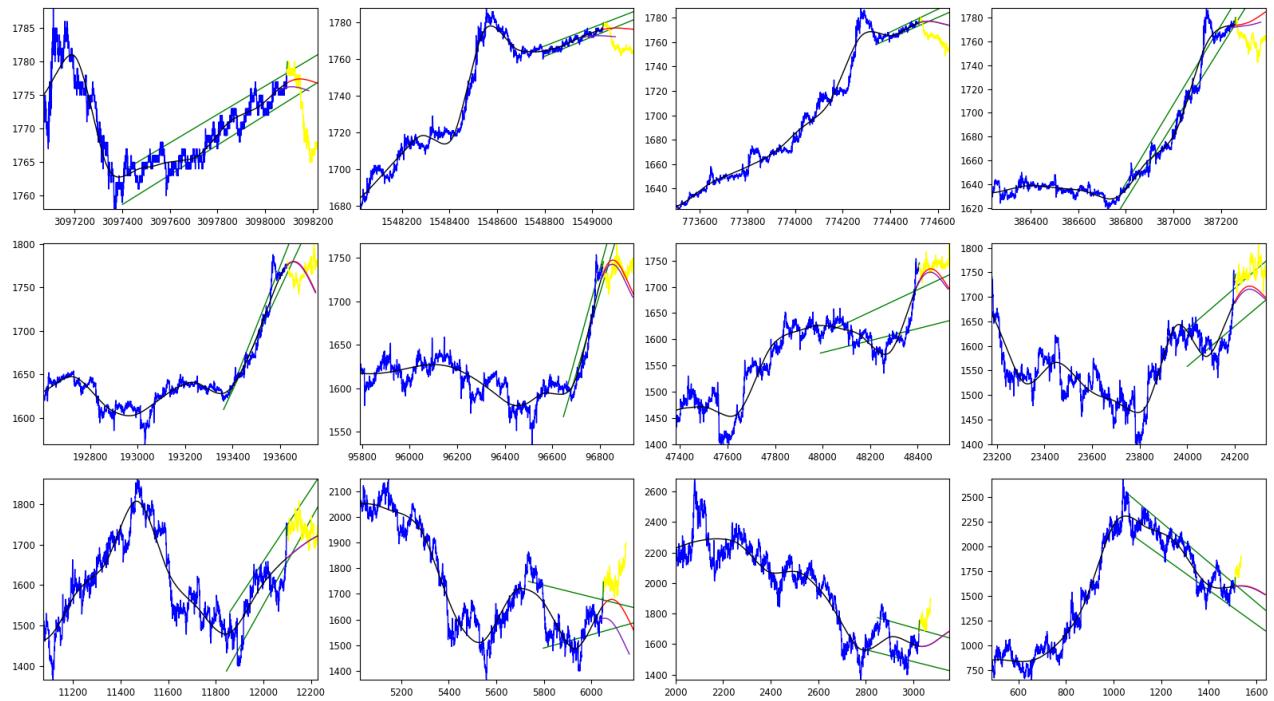
2.17 SR 3098094 3098175

3098094: ptype: 4[0,1,2] 2[3] 6[4,5,6,7] 2[8] 6[9] 2[10] 4[11]

dir: 1[0,1,2,3,4,5,6,7,8,9,10,11]

otp: 1[0,1,2] 0[3,4] 1[5,6,7,8,9,10,11]

cshape: 1[0,1,2,3,4,5] 3[6] 1[7,8] 3[9] 1[10,11]



3098175: ptype: 5[0] 3[1] 4[2] 2[3] 6[4,5,6,7] 2[8] 6[9] 2[10] 4[11]

dir: -1[0,1] 1[2,3,4,5,6,7,8,9,10,11]

otp: -1[0,1,2,3,4] 1[5,6,7,8,9,10,11]

cshape: 5[0] 3[1,2] 1[3,4,5] 3[6] 1[7,8] 3[9] 1[10,11]



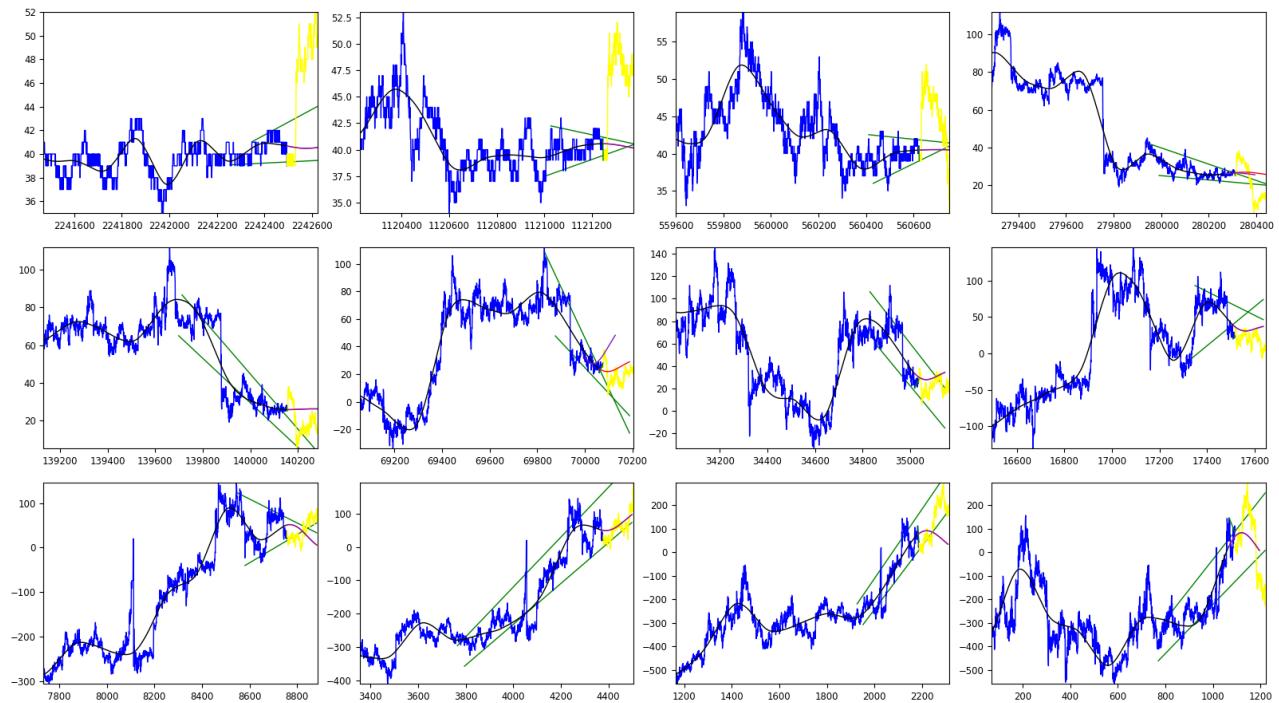
2.18 TA 2242496 2242545

2242496: ptype: 5[0] 3[1] 1[2] 4[3] 1[4] 7[5] 5[6,7] 3[8] 5[9] 6[10,11]

dir: -1[0,1] 0[2] 1[3] 0[4] -1[5,6,7,8,9] 1[10,11]

otp: -1[0,1,2] 1[3,4,5] 0[6] -1[7] 0[8,9,10,11]

cshape: 1[0] 3[1,2,3] 1[4] 3[5] 1[6] 3[7,8] 1[9,10,11]

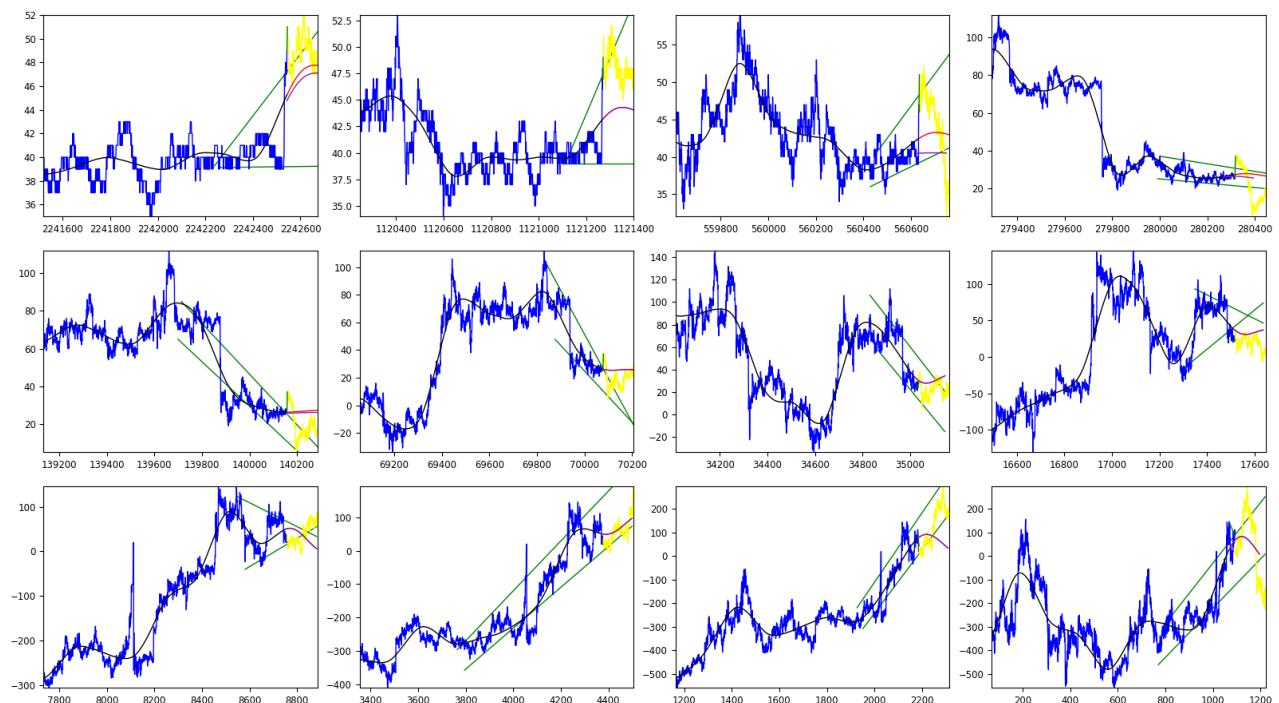


2242545: ptype: 4[0,1,2,3] 2[4] 3[5] 5[6,7] 3[8] 5[9] 6[10,11]

dir: 1[0,1,2,3,4] -1[5,6,7,8,9] 1[10,11]

otp: 1[0,1,2,3,4,5,6] 0[7,8,9,10,11]

cshape: 1[0,1] 3[2,3] 1[4] 3[5] 1[6] 3[7,8] 1[9,10,11]



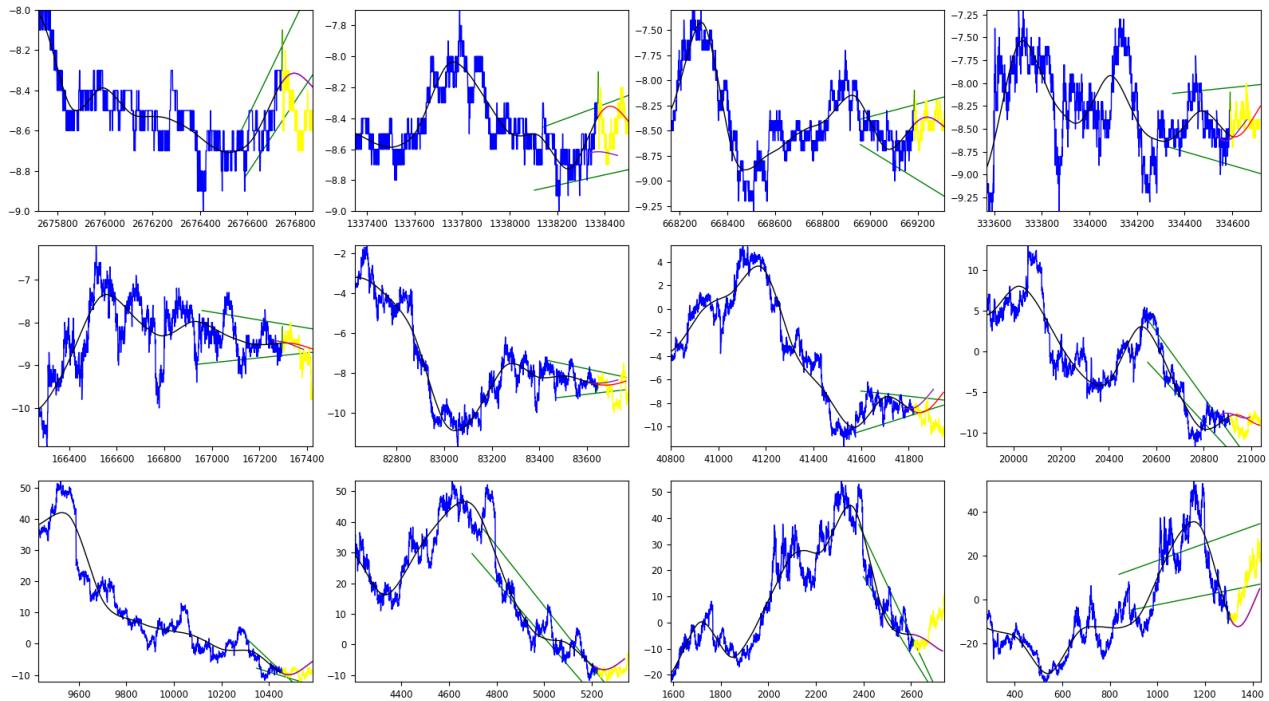
2.19 i9 2676747 2676850

2676747: ptype: 6[0,1,2] 7[3] 3[4] 5[5,6] 4[7] 5[8] 7[9] 3[10] 7[11]

dir: 1[0,1,2] -1[3,4,5,6] 1[7] -1[8,9,10,11]

otp: 1[0,1,2] 0[3,4,5,6] 1[7,8,9] 0[10] -1[11]

cshape: 1[0] 3[1] 2[2] 3[3,4,5,6] 1[7] 3[8] 1[9,10] 3[11]

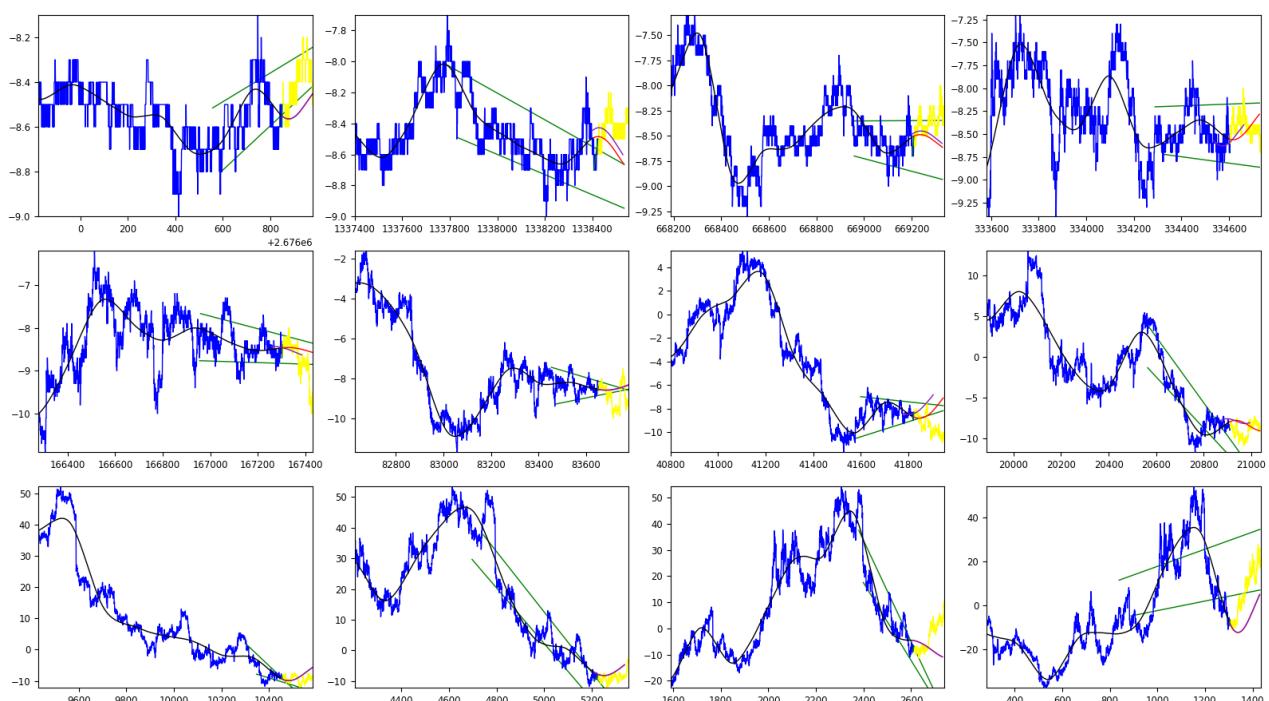


2676850: ptype: 7[0] 4[1] 6[2] 5[3] 3[4] 5[5,6] 4[7] 5[8] 7[9] 3[10] 7[11]

dir: -1[0] 1[1,2] -1[3,4,5,6] 1[7] -1[8,9,10,11]

otp: 0[0] 1[1] 0[2,3,4,5,6] 1[7,8,9] 0[10] -1[11]

cshape: 5[0,1] 2[2] 1[3] 3[4] 2[5] 3[6] 1[7] 3[8] 1[9,10] 3[11]



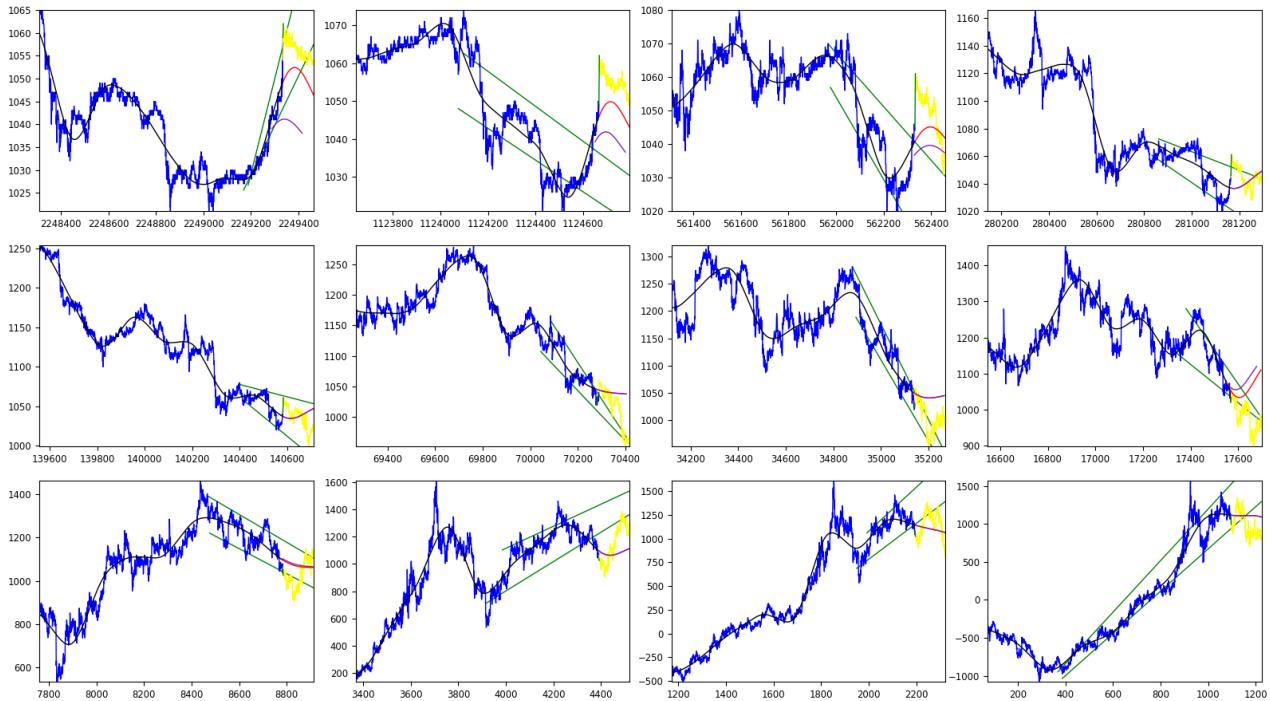
2.20 zn 2249336 2249457

2249336: ptype: 6[0,1,2] 2[3] 5[4] 3[5] 5[6] 7[7] 3[8] 5[9] 3[10] 1[11]

dir: 1[0,1,2,3] -1[4,5,6,7,8,9,10] 0[11]

otp: 1[0,1,2,3] 0[4] 1[5,6] 0[7,8] -1[9,10] 0[11]

cshape: 1[0,1] 5[2] 3[3,4] 4[5] 1[6] 3[7] 1[8] 5[9] 1[10,11]



2249457: ptype: 5[0] 6[1,2] 2[3] 5[4] 3[5] 5[6] 7[7] 3[8] 5[9] 3[10] 1[11]

dir: -1[0] 1[1,2,3] -1[4,5,6,7,8,9,10] 0[11]

otp: -1[0] 0[1] 1[2,3] 0[4] 1[5,6] 0[7,8] -1[9,10] 0[11]

cshape: 1[0,1,2] 3[3,4] 4[5] 1[6] 3[7] 1[8] 5[9] 1[10,11]

