

Analysis For Eureka

v3-3 part 1

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1 100 cases - part 1

Table 1: The One Hundred Cases to 20171108

No	Inst	Cline	Reached	Reverse	Dir	Why
	au	-1	3043493	3043604		
	FG	-1	2722229	2722300		
	MA	-1	2432318	2432397		
	cu	1	2315500	2315600		
	l9	-1	2414384	2414452		
	rb	1	5619487	5619588		
	au	-1	2737907	2737950		
	jm	1	3002886	3002969		
	CF	-1	2608356	2608591		
	SR	1	3090572	3090676		
	y9	1	2644435	2644500		
	a9	1	2977897	2977974		
	RM	-1	3074359	3074486		
	p9	-1	2492632	2492750		
	al	-1	3081069	3081200		
	RM	1	2912403	2912424		
	MA	1	3138002	3138150		
	al	1	2296441	2296530		
	y9	1	2580167	2580238		
	v9	-1	2912701	2912850		

2 Detail - part 1

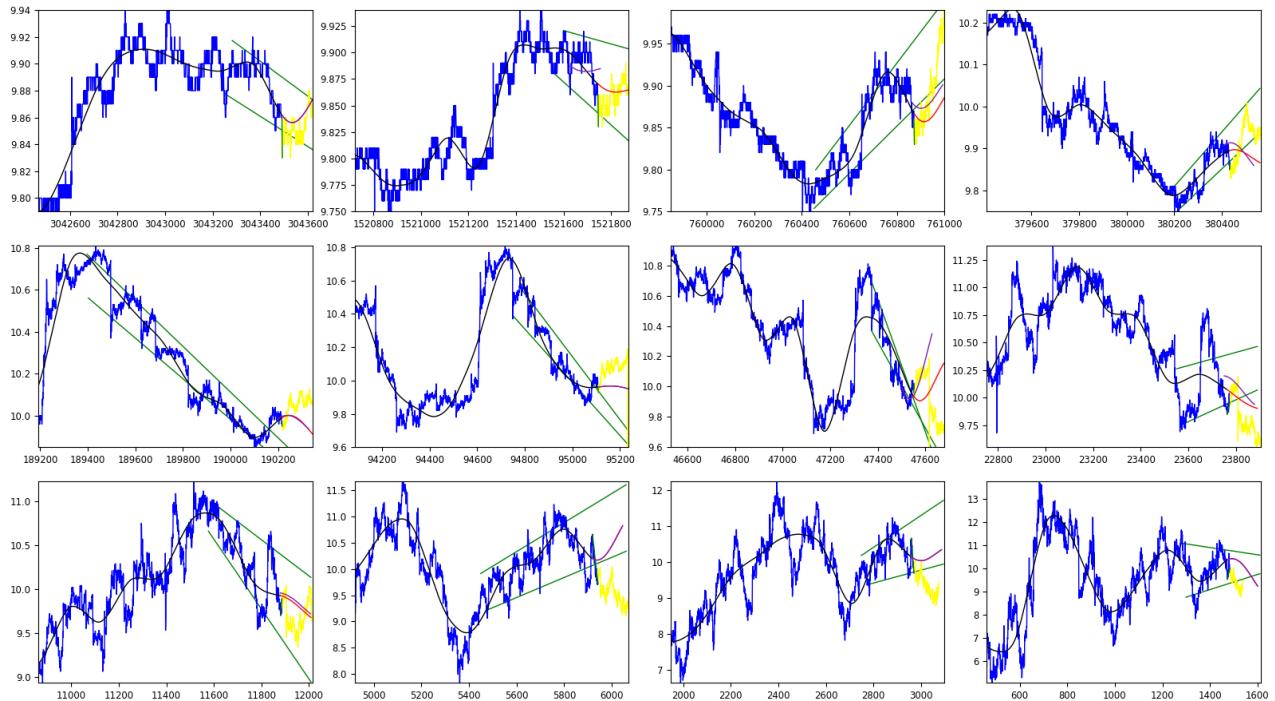
2.1 au 3043493 3043604

3043493: ptype: 7[0] 5[1] 7[2] 4[3] 6[4] 4[5] 7[6] 3[7,8] 7[9,10] 4[11]

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

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

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

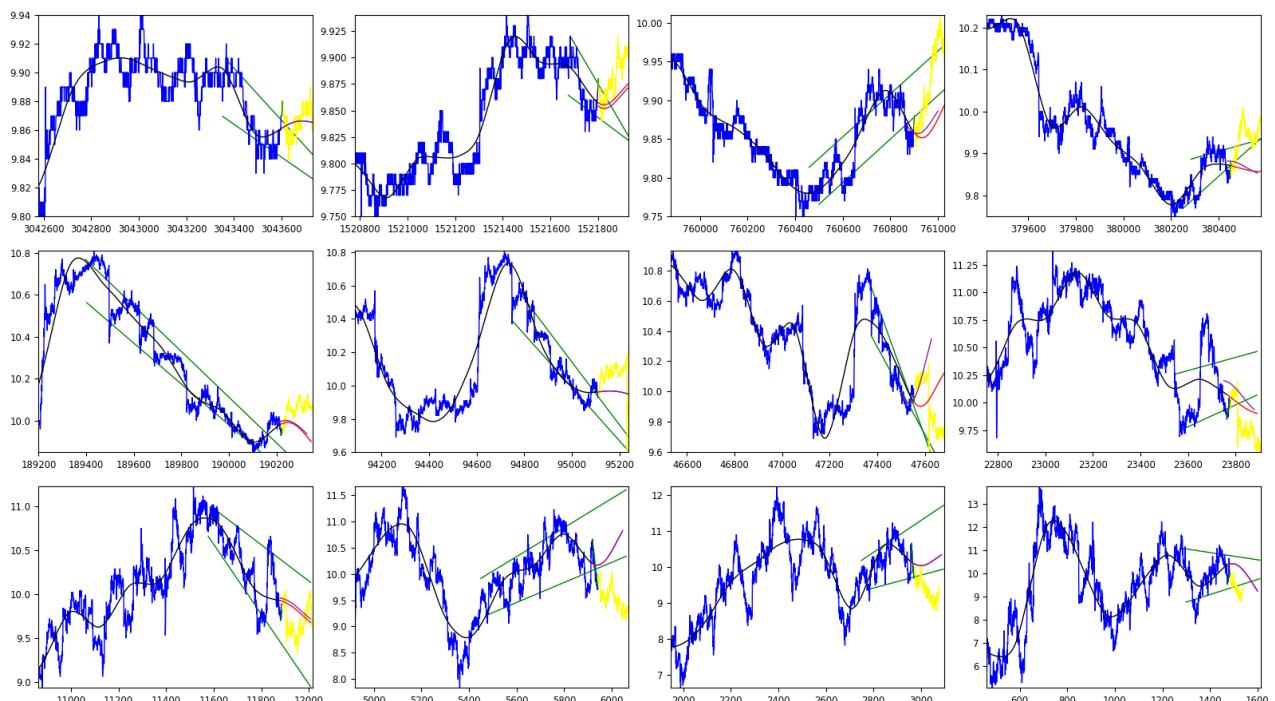


3043604: ptype: 4[0] 7[1,2] 3[3] 4[4,5] 7[6] 3[7,8] 7[9,10] 4[11]

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

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

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



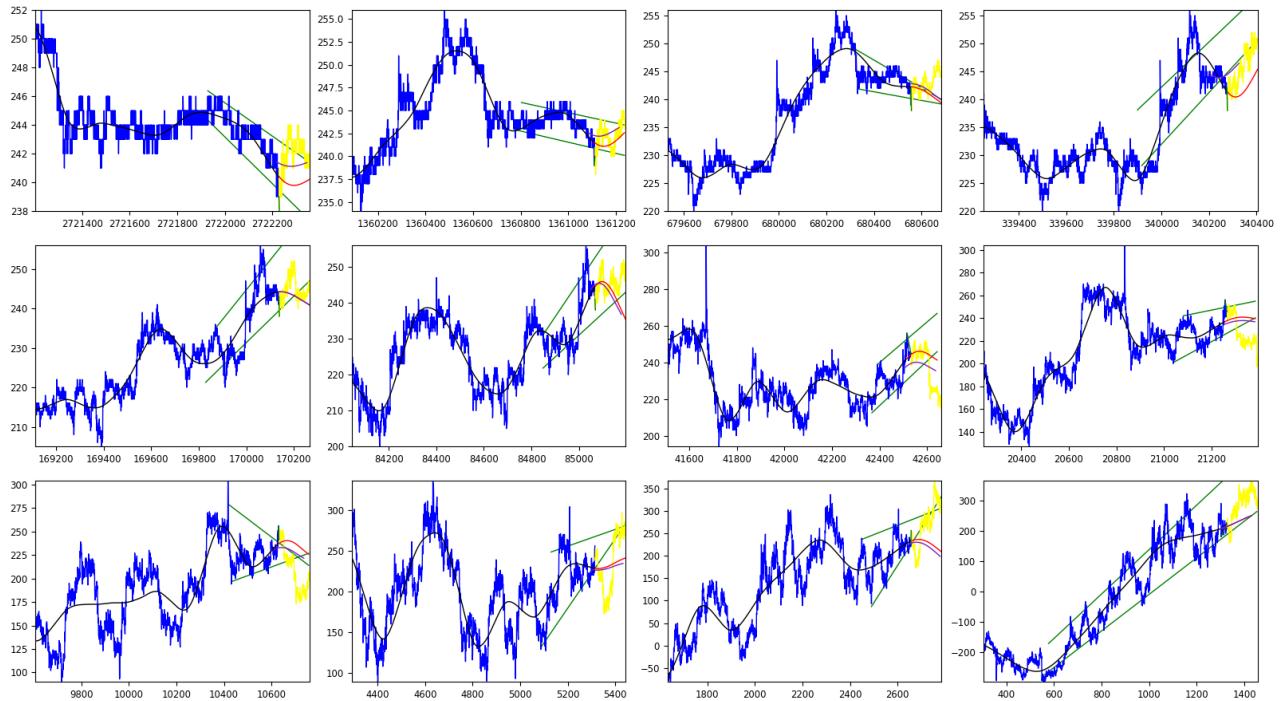
2.2 FG 2722229 2722300

2722229: ptype: 5[0] 7[1] 3[2] 7[3] 3[4] 6[5,6] 4[7] 6[8] 2[9] 4[10] 2[11]

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

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

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

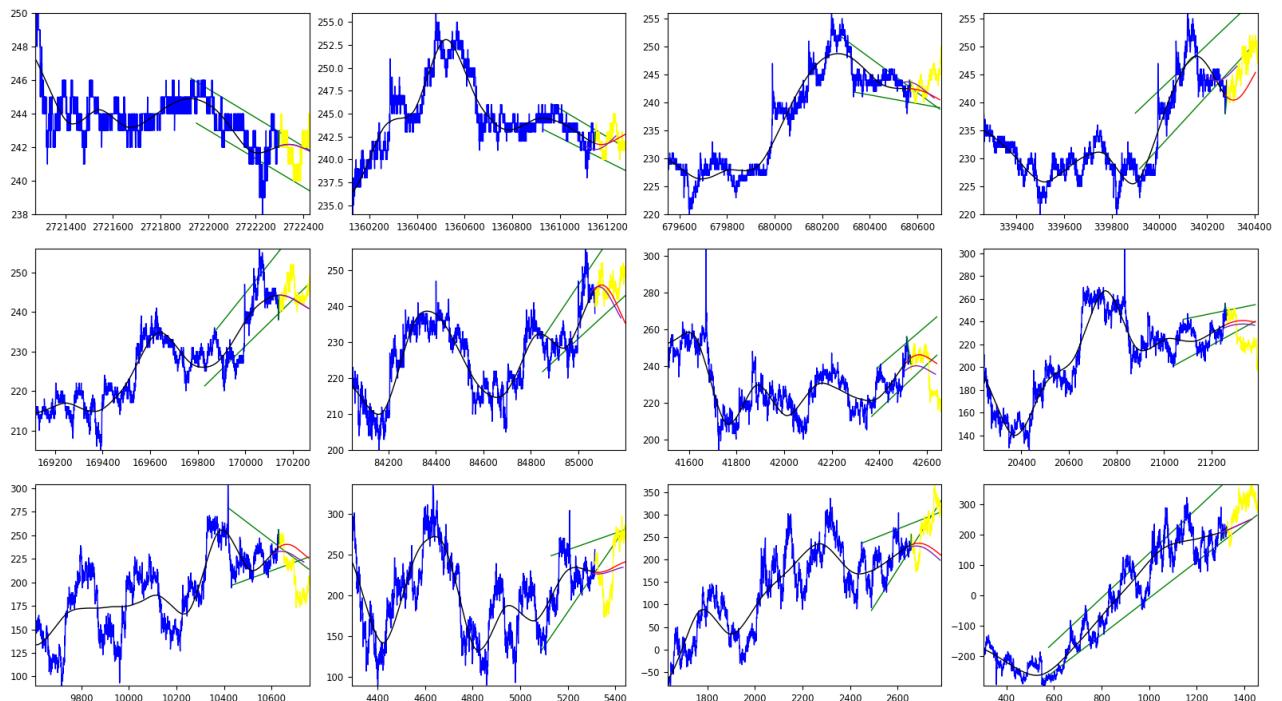


2722300: ptype: 4[0] 5[1] 3[2] 7[3] 3[4] 6[5,6] 4[7] 6[8] 2[9] 4[10] 2[11]

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

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

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



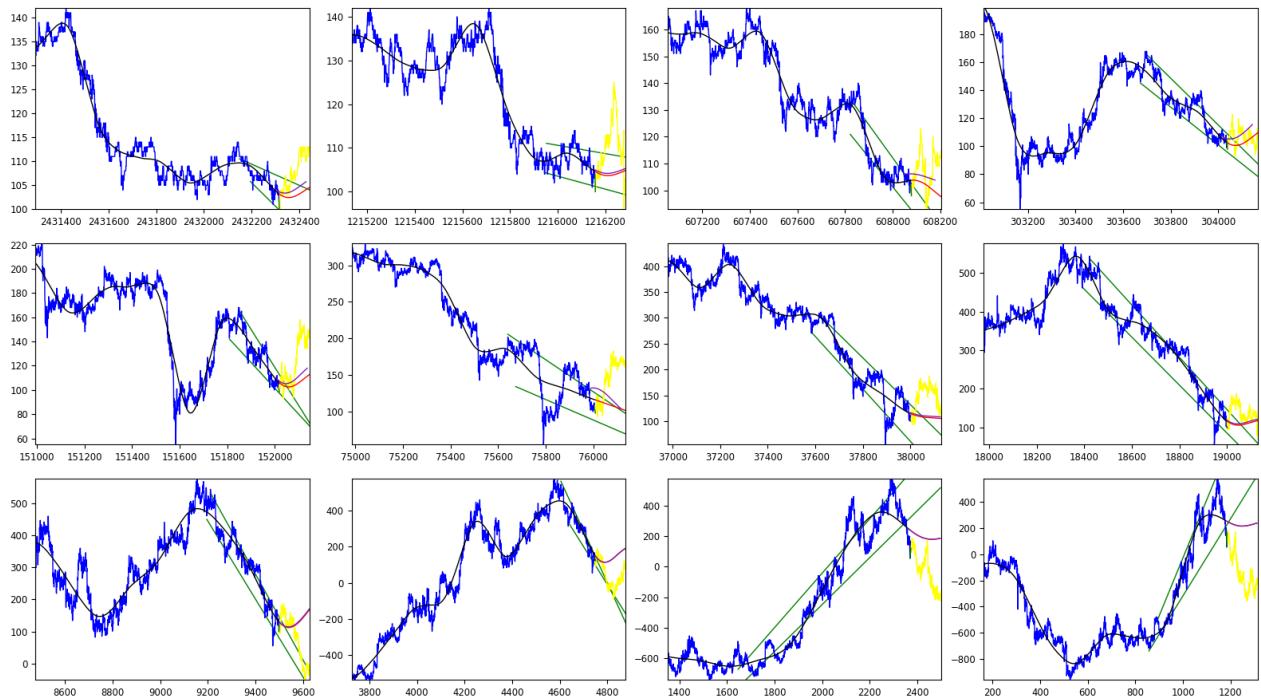
2.3 MA 2432318 2432397

2432318: ptype: 7[0] 5[1] 3[2] 7[3,4] 3[5,6] 5[7] 7[8,9] 5[10,11]

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

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

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

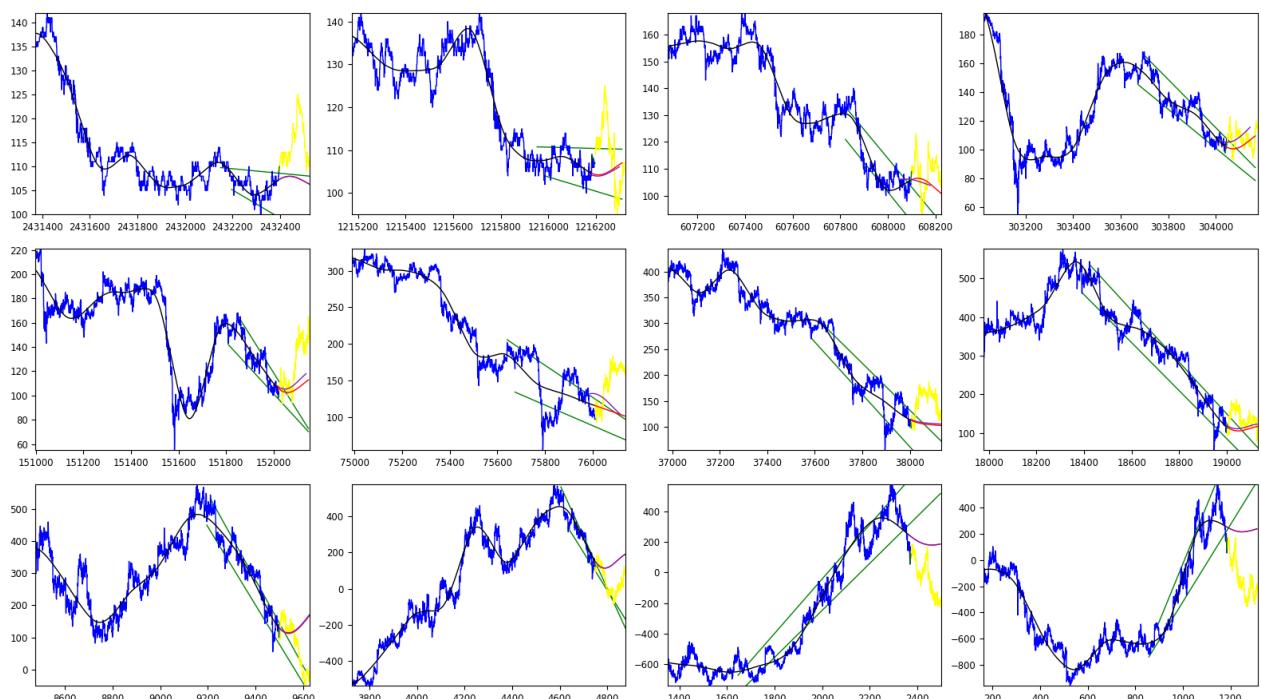


2432397: ptype: 4[0] 5[1] 4[2] 7[3,4] 3[5,6] 5[7] 7[8,9] 5[10,11]

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

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

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



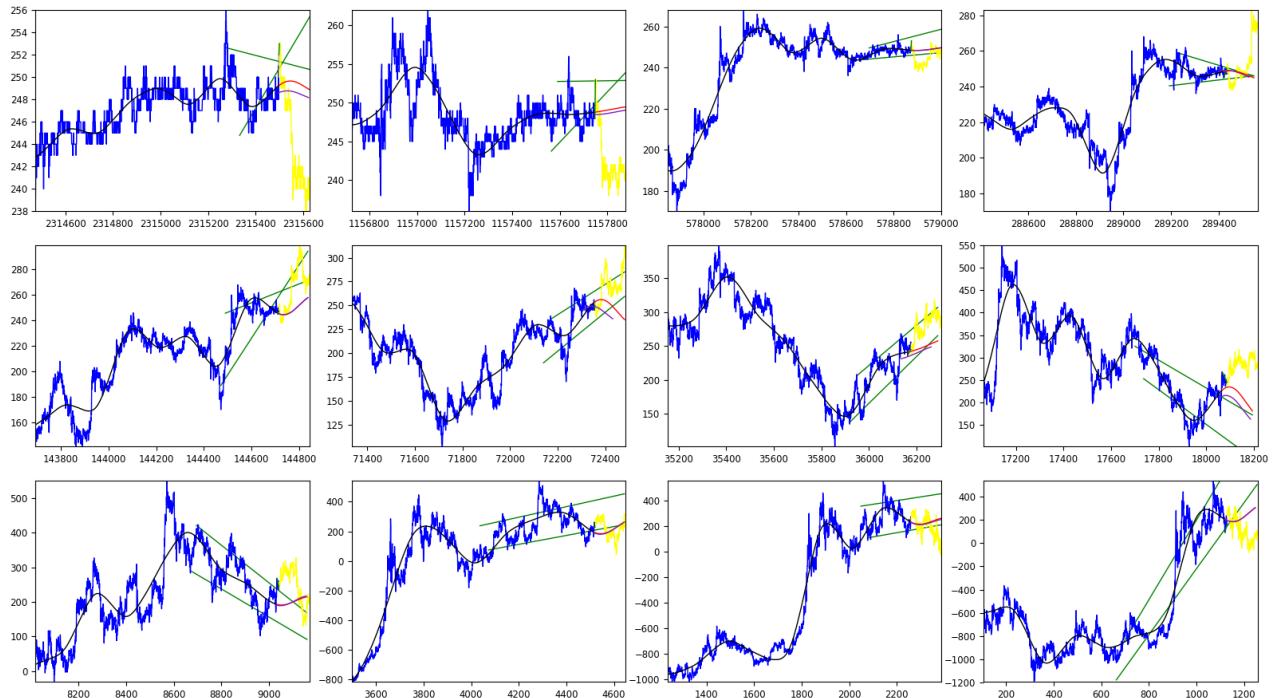
2.4 cu 2315500 2315600

2315500: ptype: 6[0] 2[1,2] 4[3] 7[4] 6[5] 2[6] 6[7] 5[8,9,10,11]

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

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

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



2315600: ptype: 7[0,1] 5[2] 3[3] 7[4] 6[5] 2[6] 6[7] 5[8,9,10,11]

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

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

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



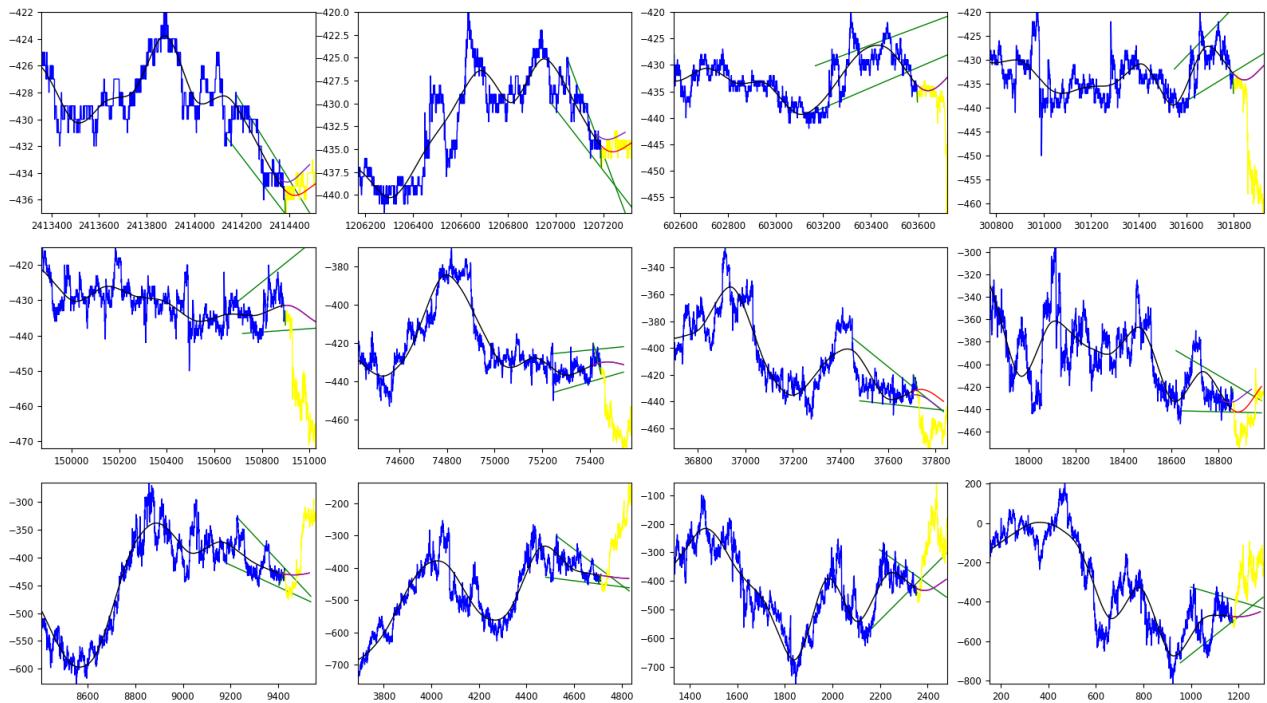
2.5 19 2414384 2414452

2414384: ptype: 7[0,1,2,3] 3[4] 4[5,6] 7[7] 5[8] 3[9] 7[10] 2[11]

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

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

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

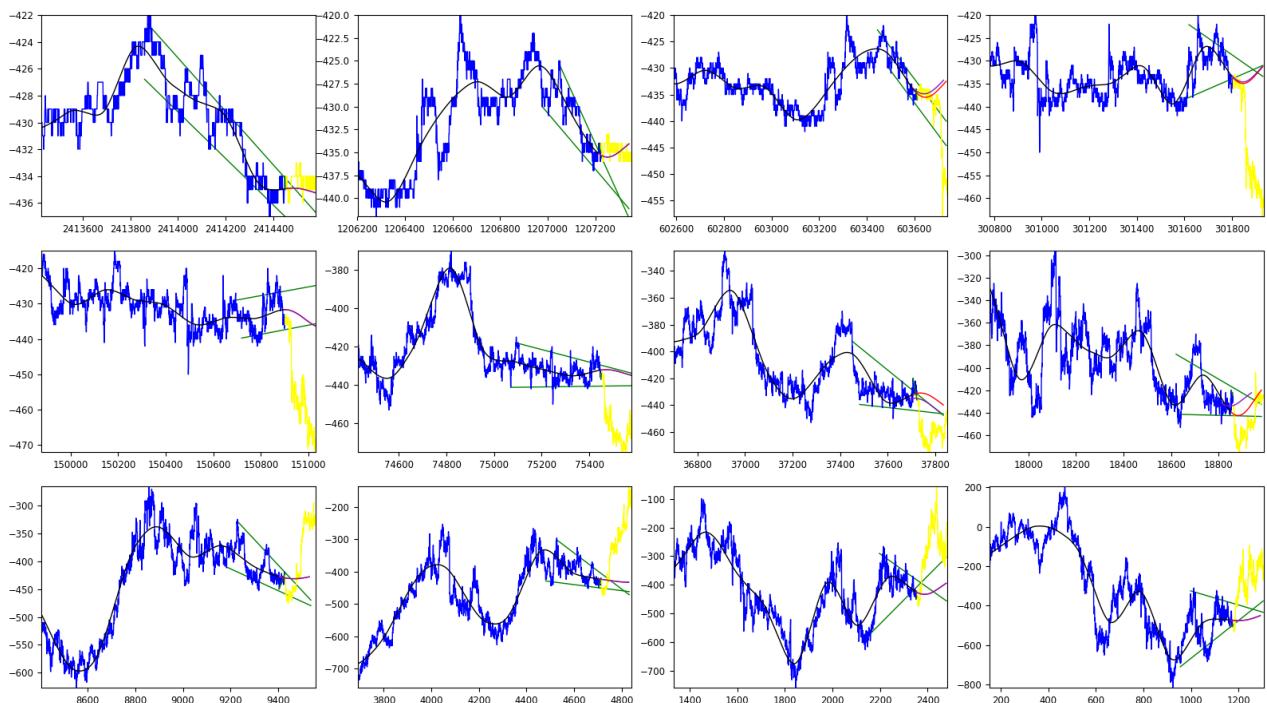


2414452: ptype: 4[0] 7[1,2,3] 3[4] 4[5,6] 7[7] 5[8] 3[9] 7[10] 2[11]

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

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

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



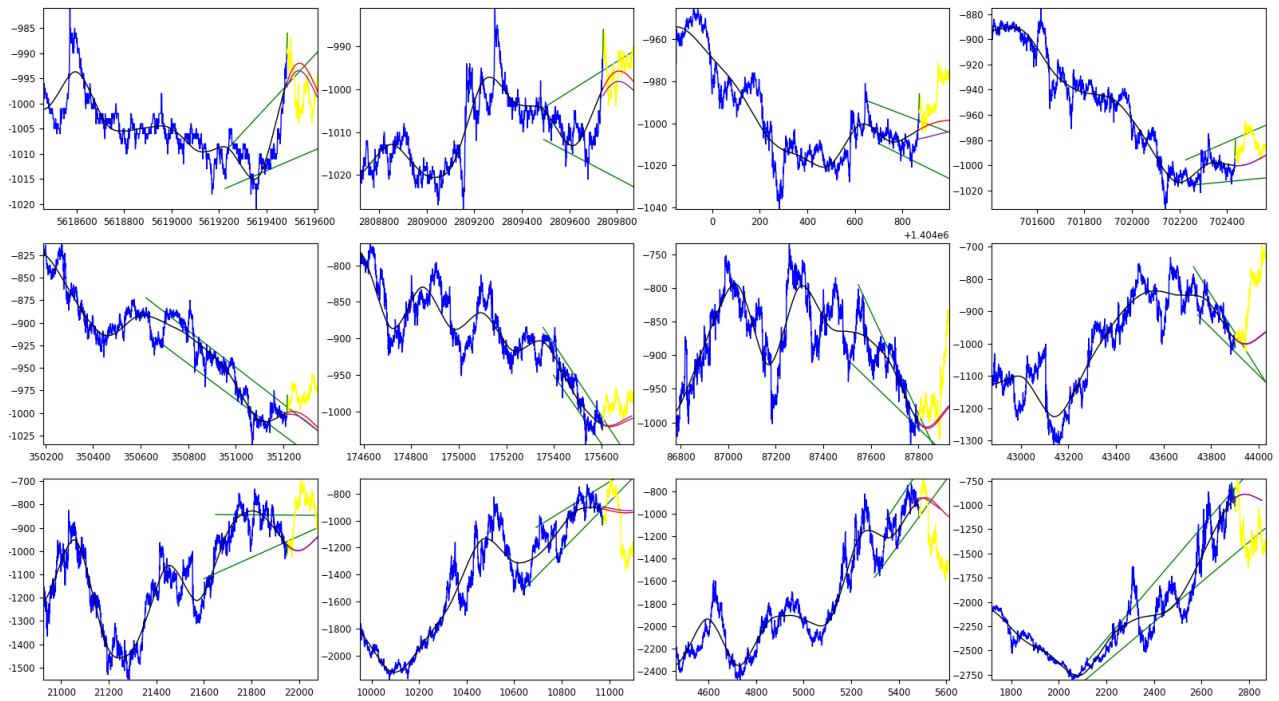
2.6 rb 5619487 5619588

5619487: ptype: 6[0,1] 2[2,3] 4[4] 5[5] 7[6,7,8] 5[9] 6[10] 4[11]

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

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

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

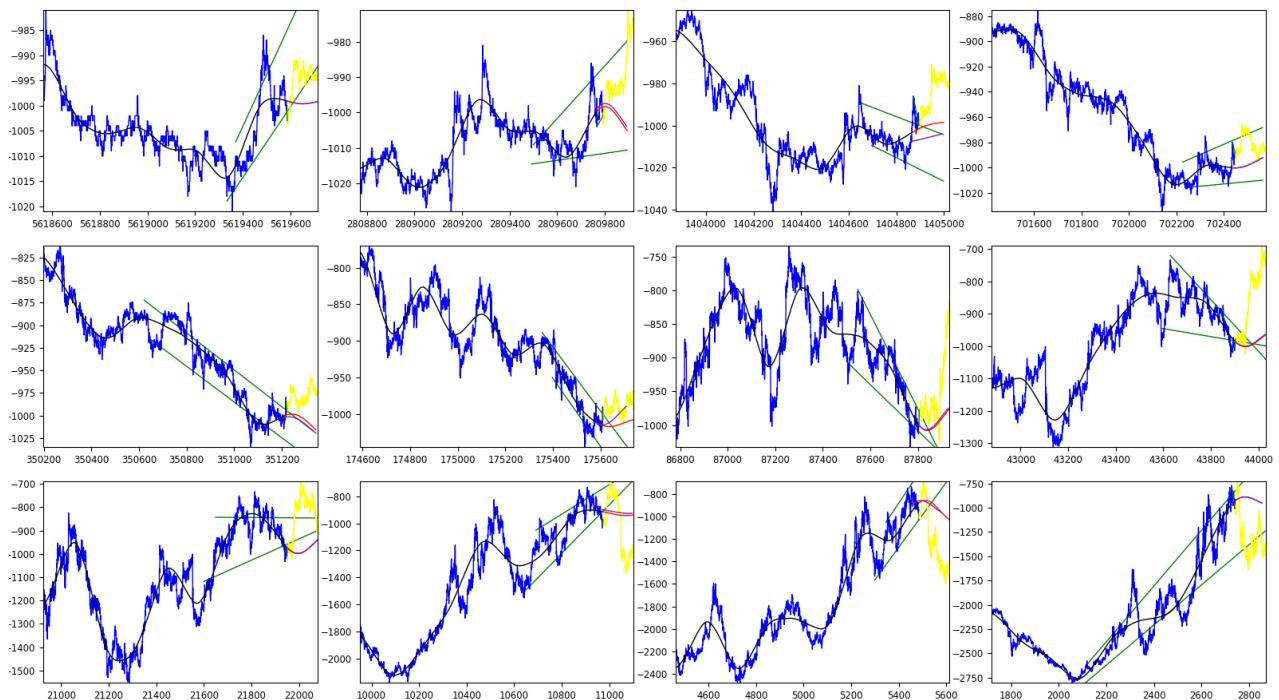


5619588: ptype: 5[0] 6[1] 2[2,3] 4[4] 5[5] 7[6,7,8] 5[9] 6[10] 4[11]

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

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

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



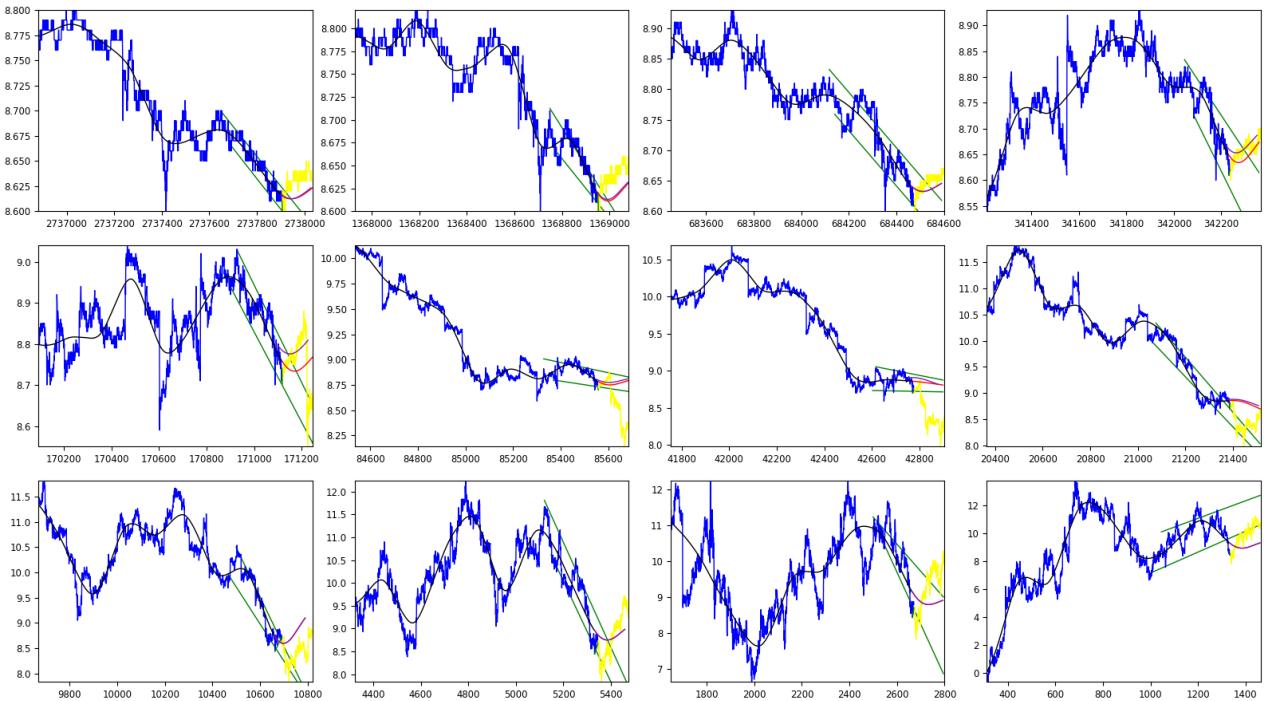
2.7 au 2737907 2737950

2737907: ptype: 7[0,1,2,3,4] 5[5] 3[6,7] 7[8,9] 5[10,11]

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

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

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

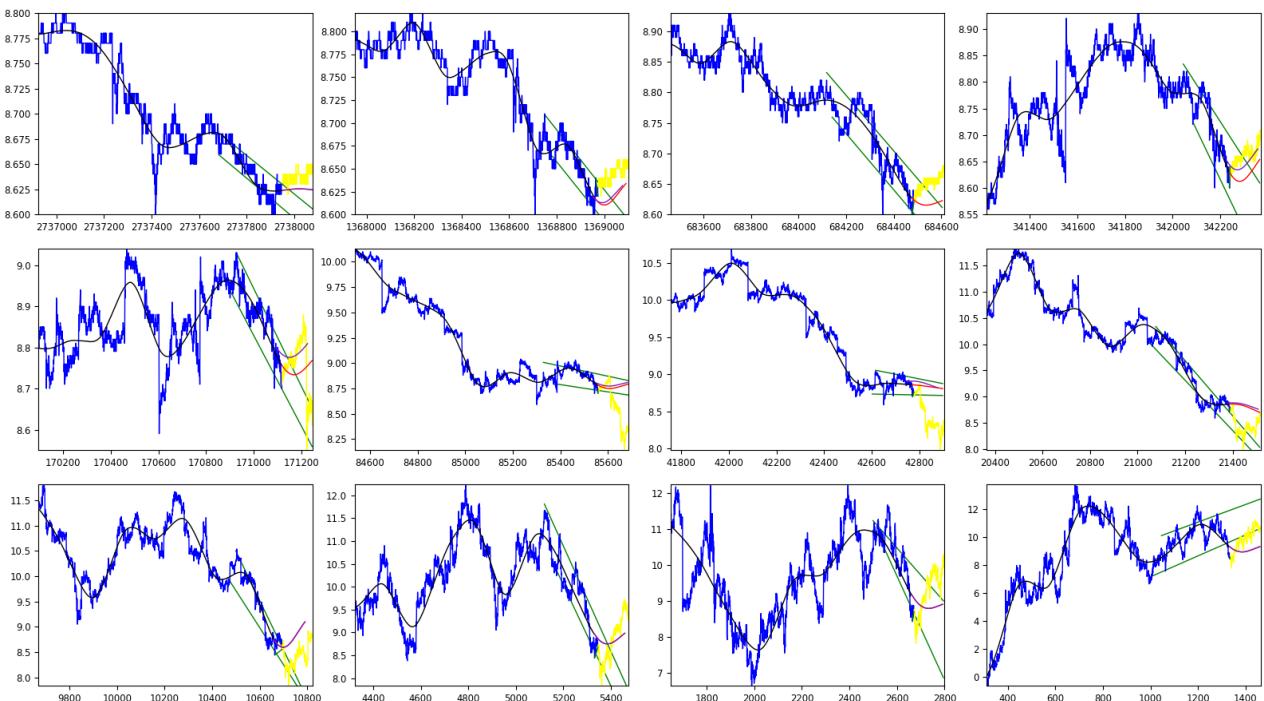


2737950: ptype: 4[0] 7[1] 5[2] 7[3,4] 5[5] 3[6,7] 7[8,9] 5[10,11]

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

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

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



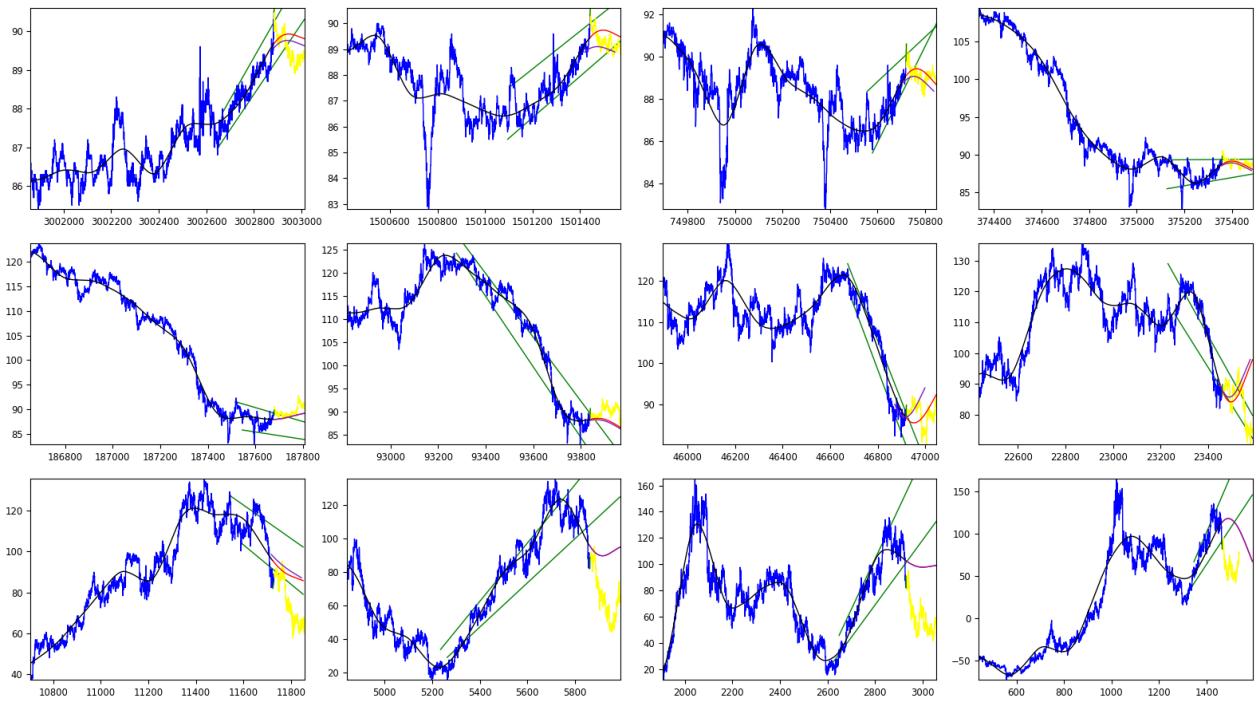
2.8 jm 3002886 3002969

3002886: ptype: 4[0,1] 6[2] 4[3] 2[4] 4[5] 7[6,7] 3[8] 7[9] 5[10] 6[11]

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

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

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

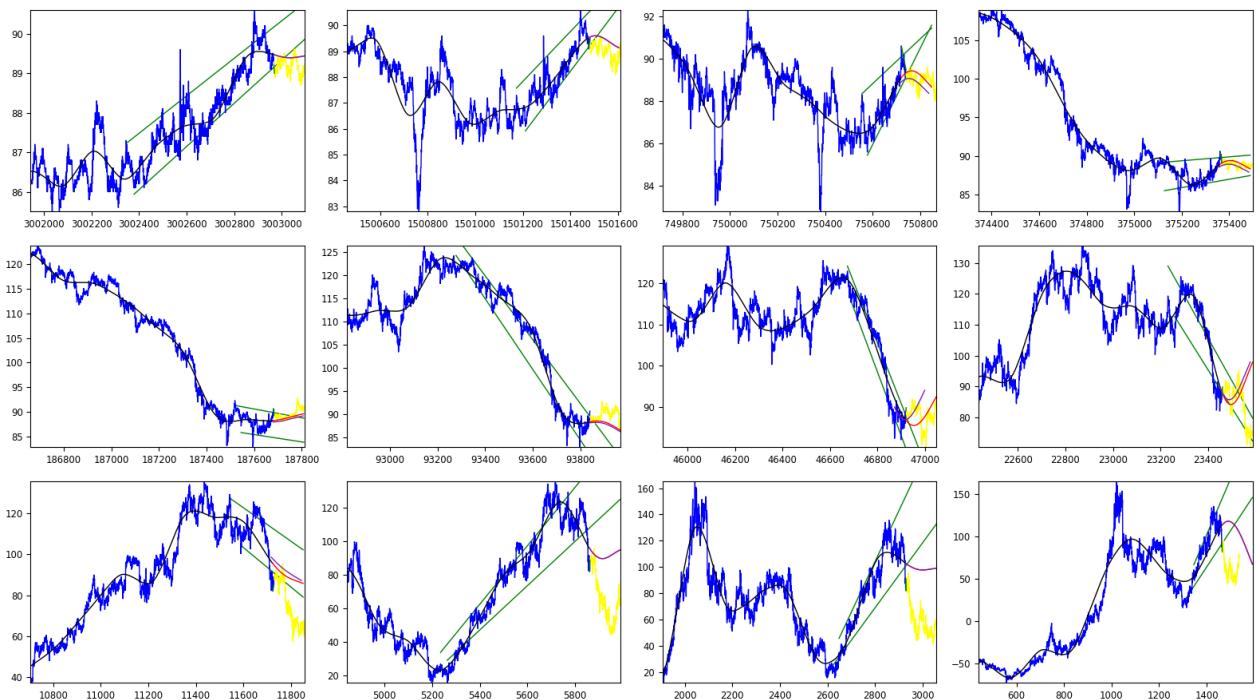


3002969: ptype: 5[0] 4[1] 6[2] 4[3] 2[4] 4[5] 7[6,7] 3[8] 7[9] 5[10] 6[11]

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

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

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



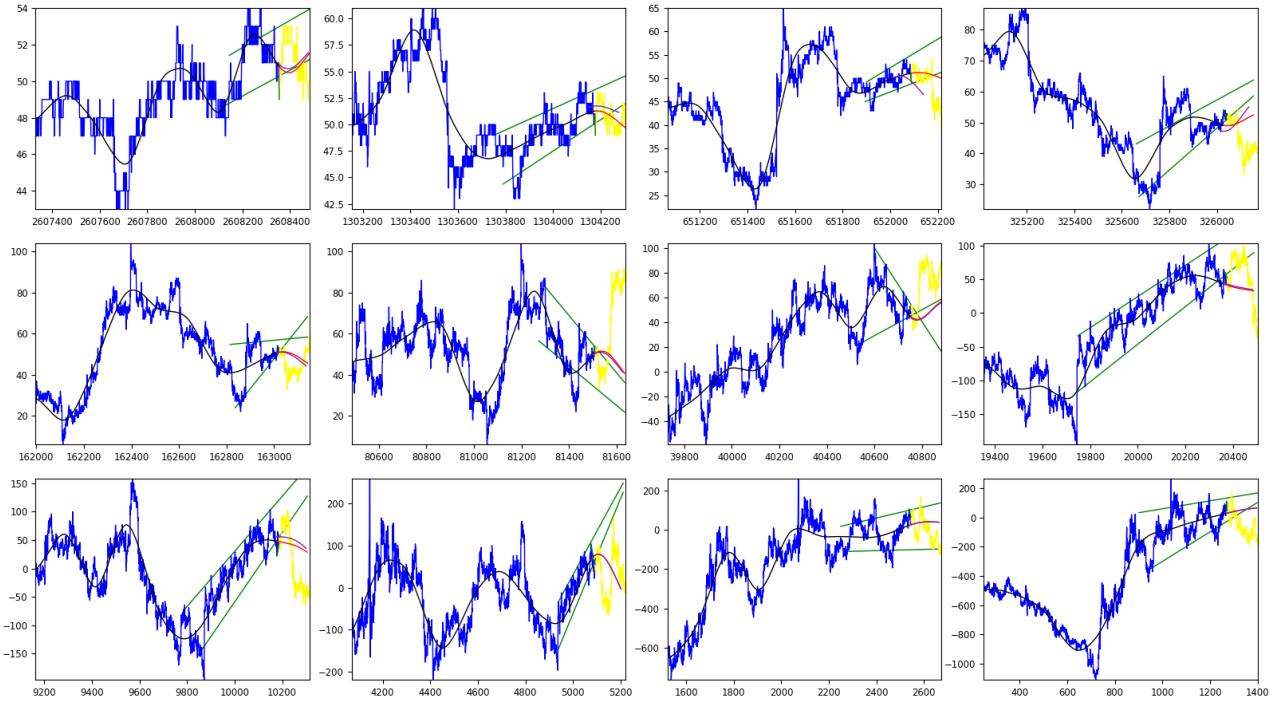
2.9 CF 2608356 2608591

2608356: ptype: 7[0] 3[1] 4[2] 5[3] 4[4] 6[5] 7[6] 3[7,8] 6[9] 2[10,11]

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

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

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

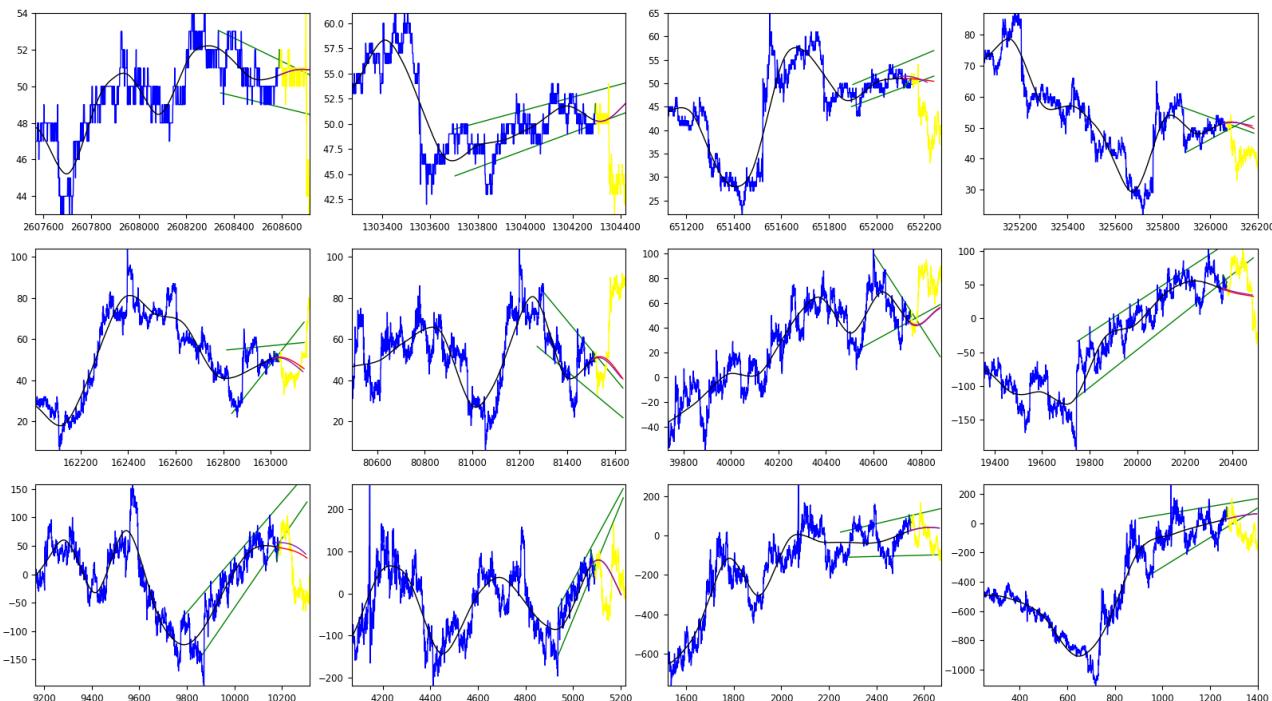


2608591: ptype: 4[0] 5[1] 3[2] 4[3,4] 6[5] 7[6] 3[7,8] 6[9] 2[10,11]

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

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

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



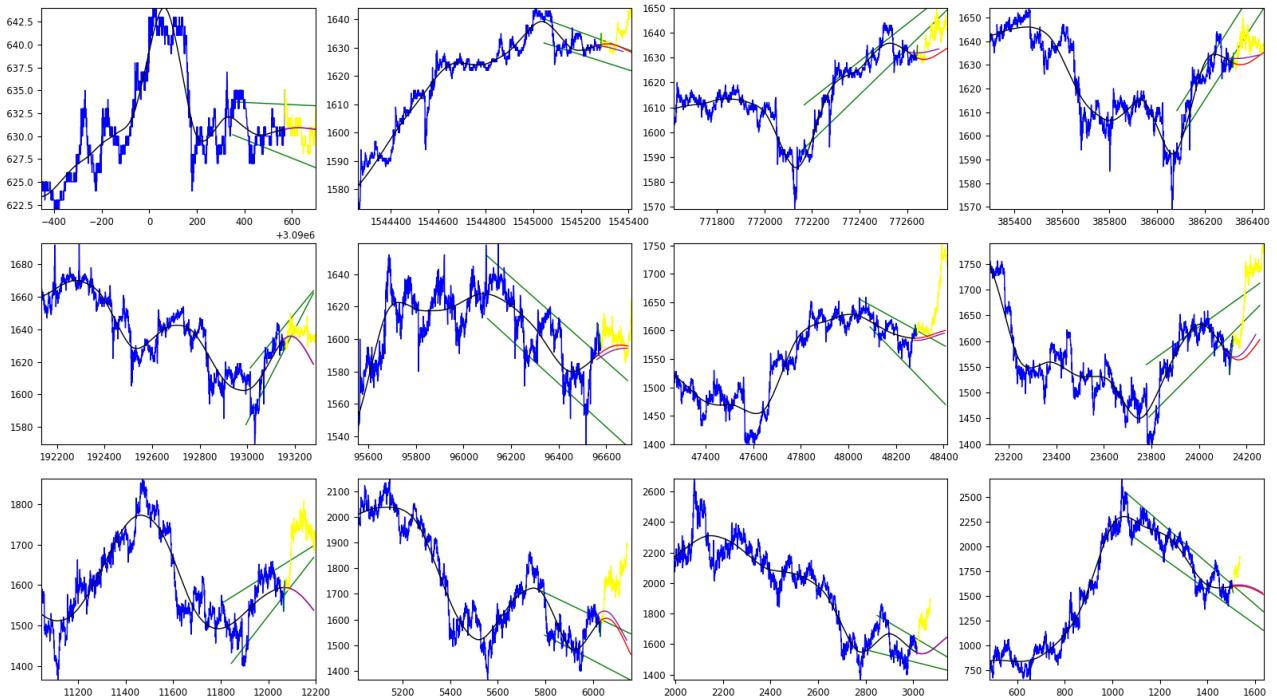
2.10 SR 3090572 3090676

3090572: ptype: 4[0,1] 5[2,3] 6[4] 4[5] 2[6] 7[7] 3[8] 6[9] 5[10] 4[11]

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

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

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

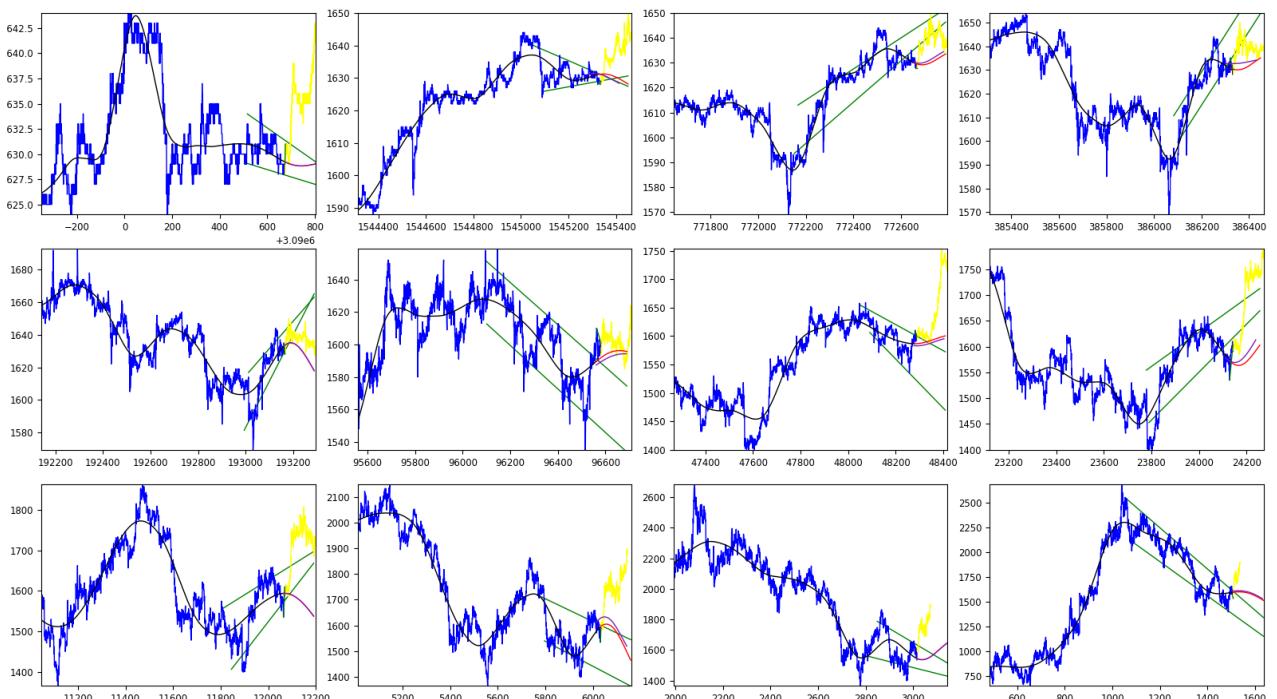


3090676: ptype: 5[0] 4[1] 5[2,3] 6[4] 4[5] 2[6] 7[7] 3[8] 6[9] 5[10] 4[11]

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

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

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



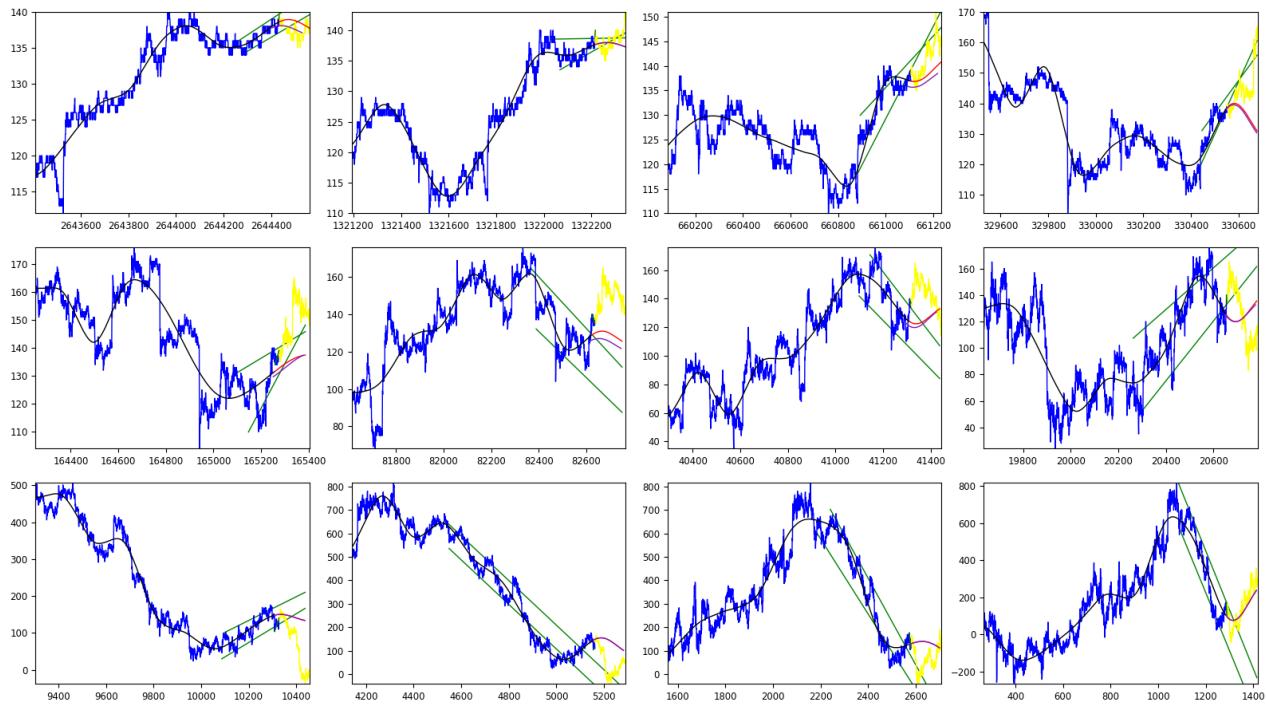
2.11 y9 2644435 2644500

2644435: ptype: 4[0,1] 2[2] 6[3] 2[4] 6[5] 7[6,7] 4[8] 6[9] 4[10] 7[11]

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

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

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

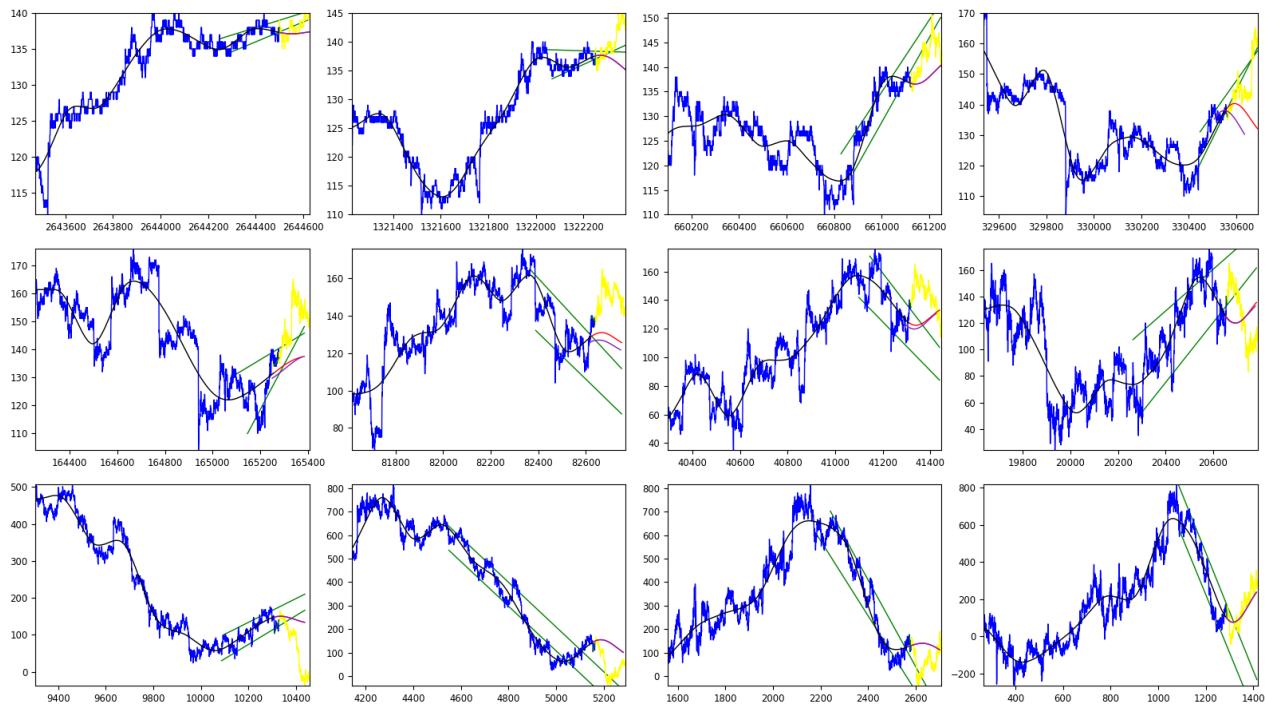


2644500: ptype: 5[0] 4[1] 5[2] 6[3] 2[4] 6[5] 7[6,7] 4[8] 6[9] 4[10] 7[11]

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

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

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



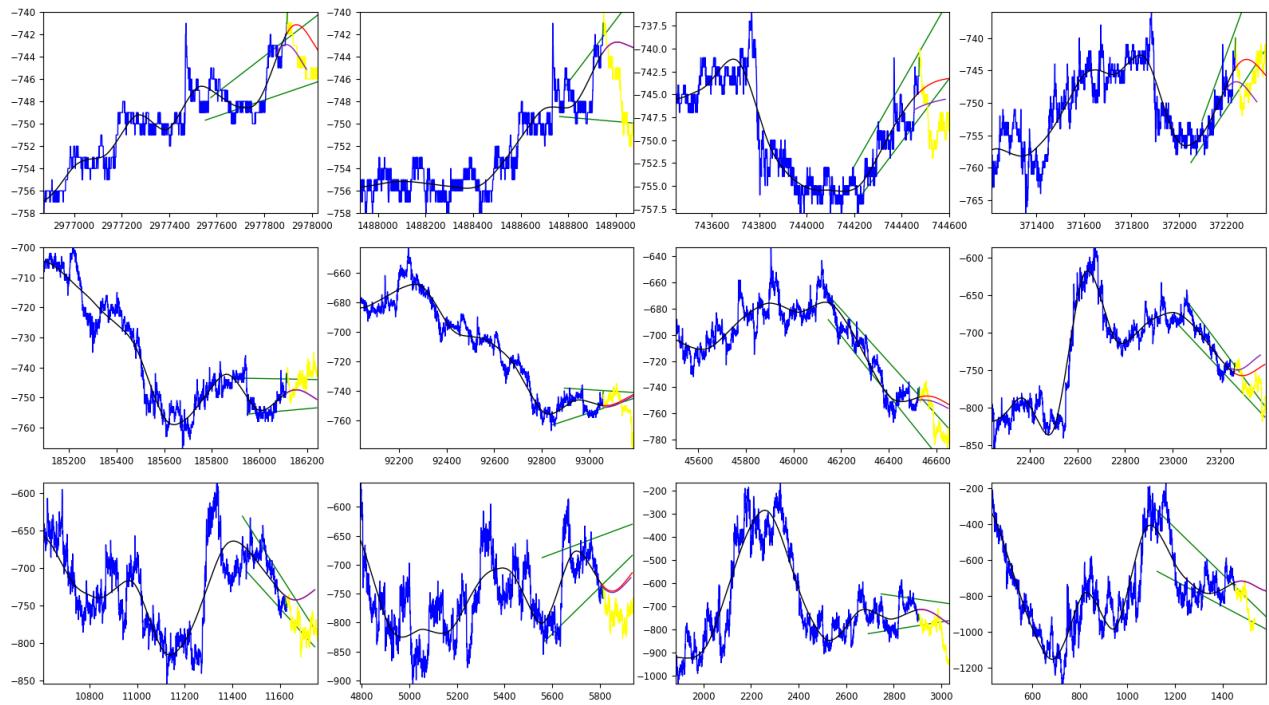
2.12 a9 2977897 2977974

2977897: ptype: 6[0] 4[1] 2[2] 6[3,4] 2[5] 4[6] 7[7,8,9] 3[10] 4[11]

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

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

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

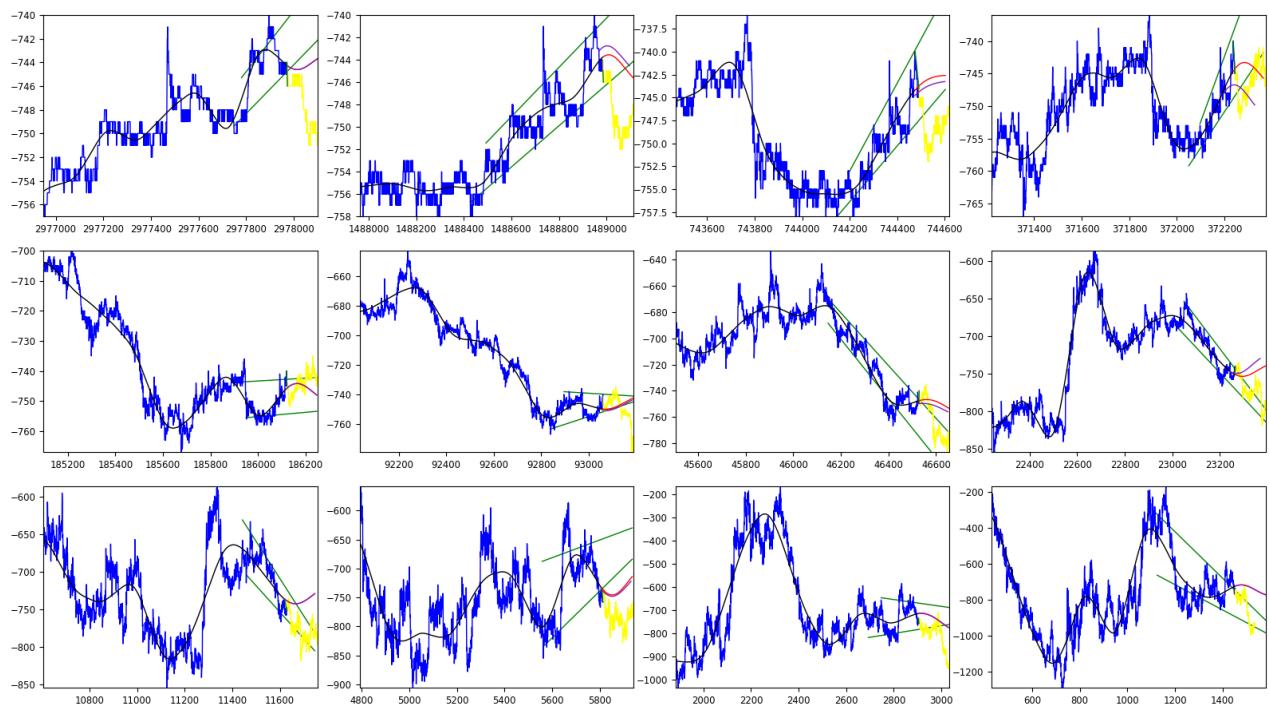


2977974: ptype: 7[0] 6[1] 2[2] 6[3,4] 2[5] 4[6] 5[7] 7[8,9] 3[10] 4[11]

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

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

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



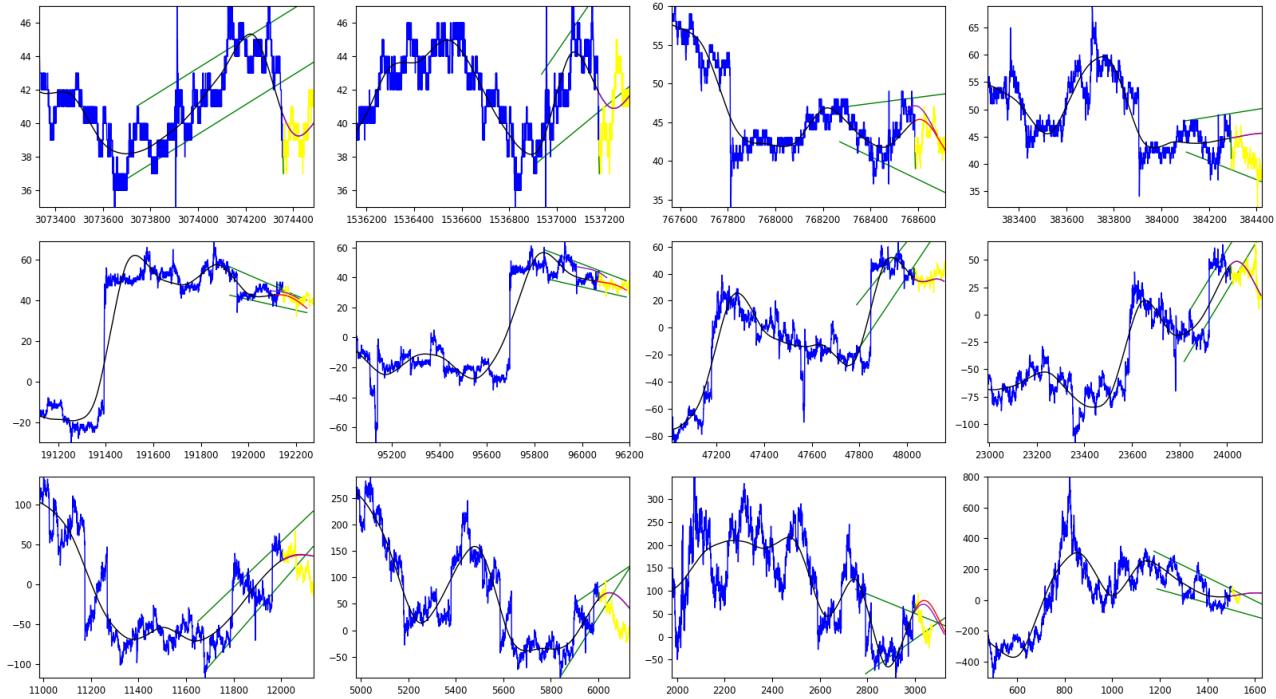
2.13 RM 3074359 3074486

3074359: ptype: 7[0,1] 4[2] 2[3] 3[4,5,6] 6[7] 4[8] 6[9,10] 2[11]

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

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

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

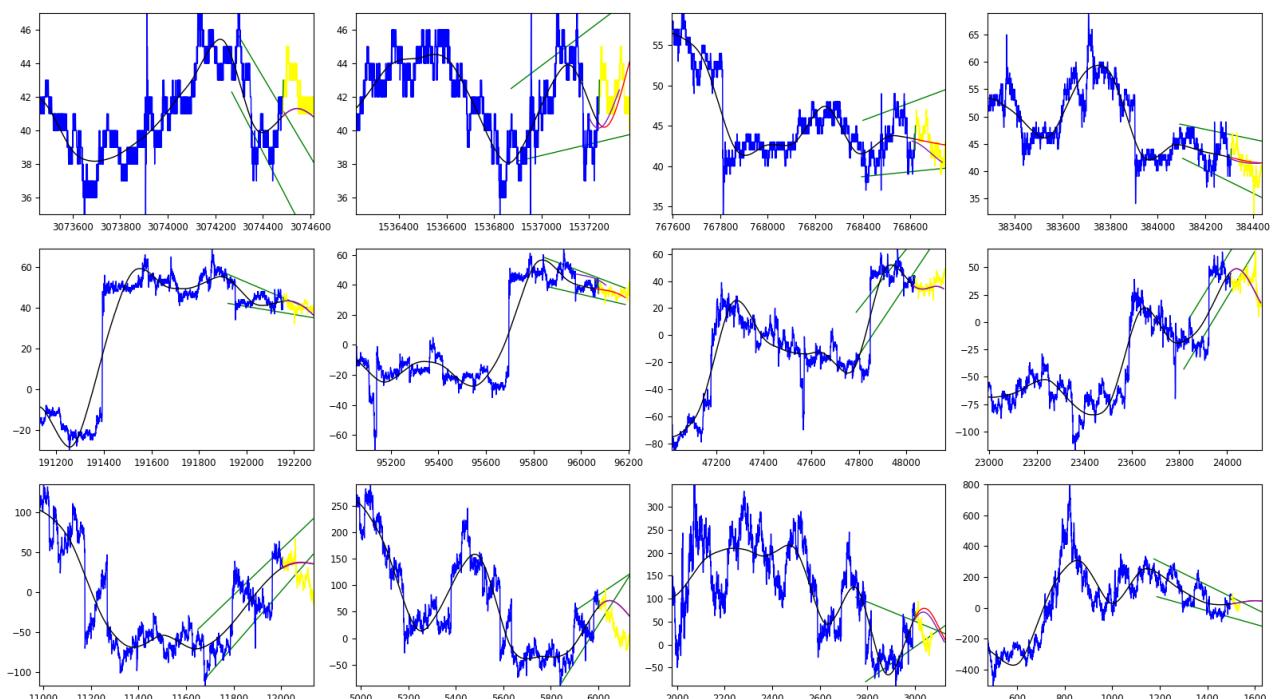


3074486: ptype: 6[0] 7[1] 3[2,3] 4[4] 3[5,6] 6[7] 4[8] 6[9,10] 2[11]

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

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

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



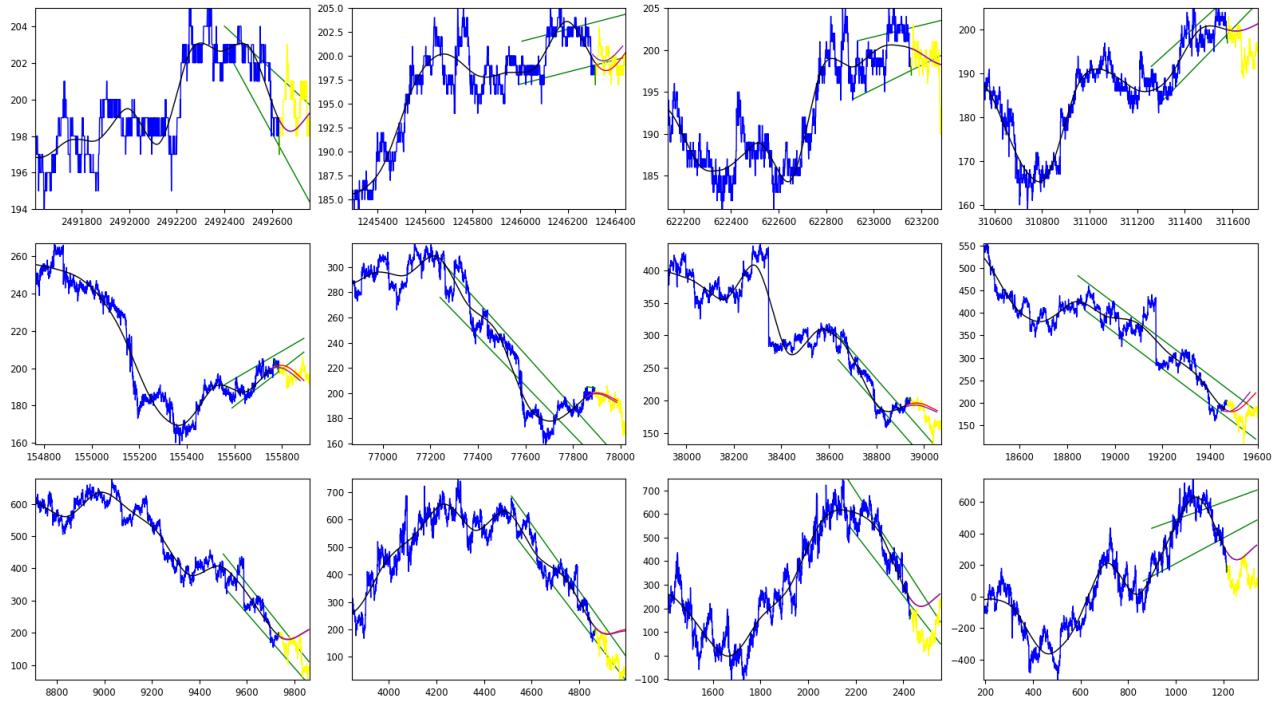
2.14 p9 2492632 2492750

2492632: ptype: 7[0,1] 3[2] 5[3] 4[4,5,6] 7[7,8] 5[9] 7[10,11]

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

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

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

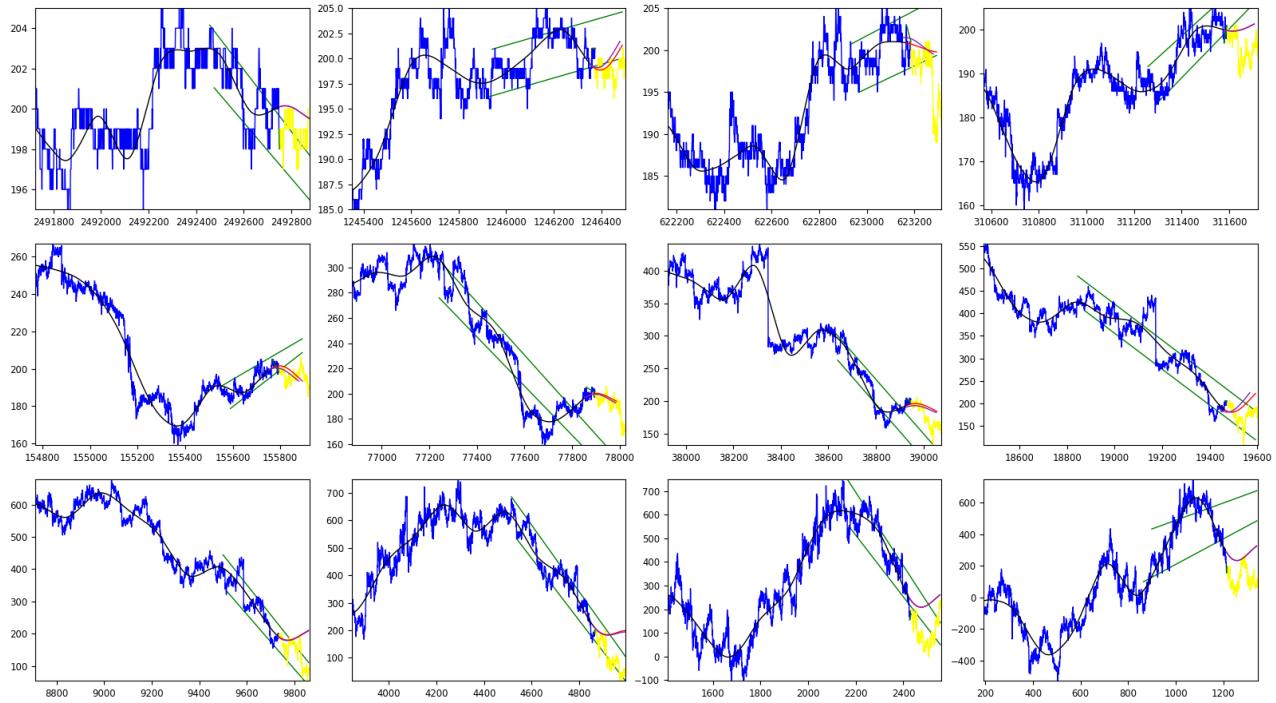


2492750: ptype: 4[0] 7[1] 3[2] 5[3] 4[4,5,6] 7[7,8] 5[9] 7[10,11]

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

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

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



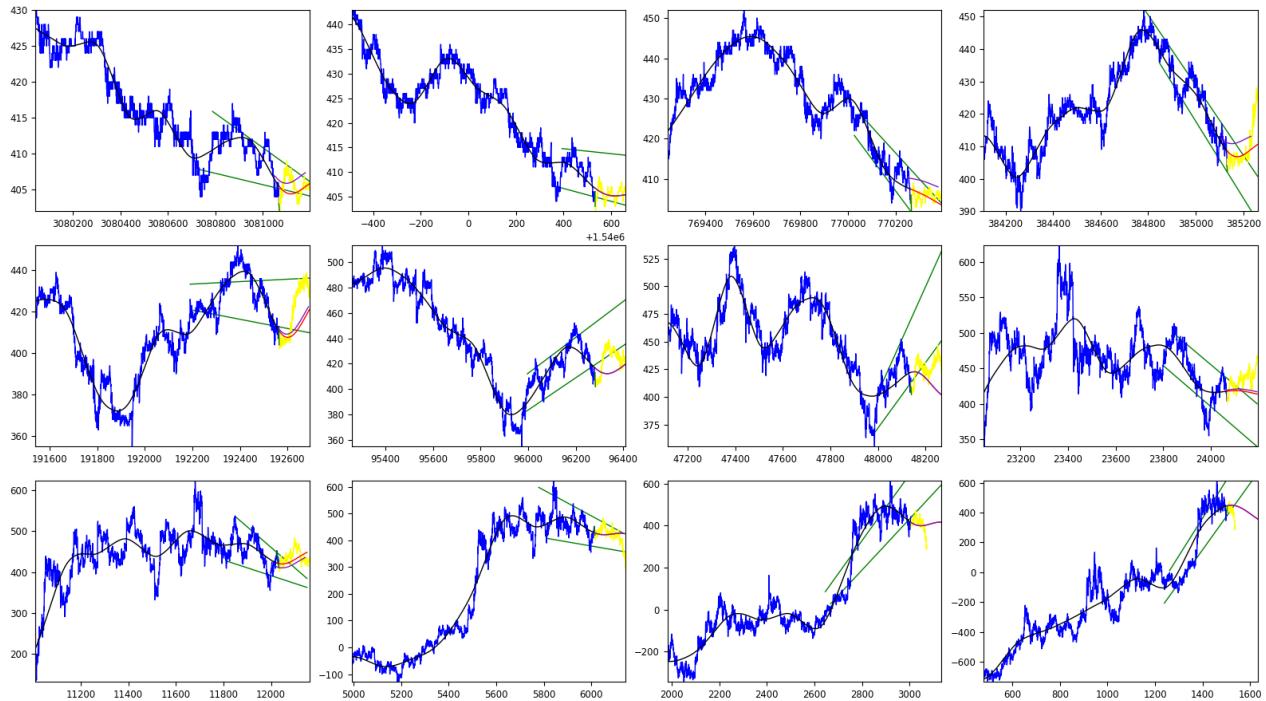
2.15 al 3081069 3081200

3081069: ptype: 7[0] 5[1] 3[2] 7[3,4,5] 3[6] 4[7] 5[8] 3[9] 1[10] 4[11]

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

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

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

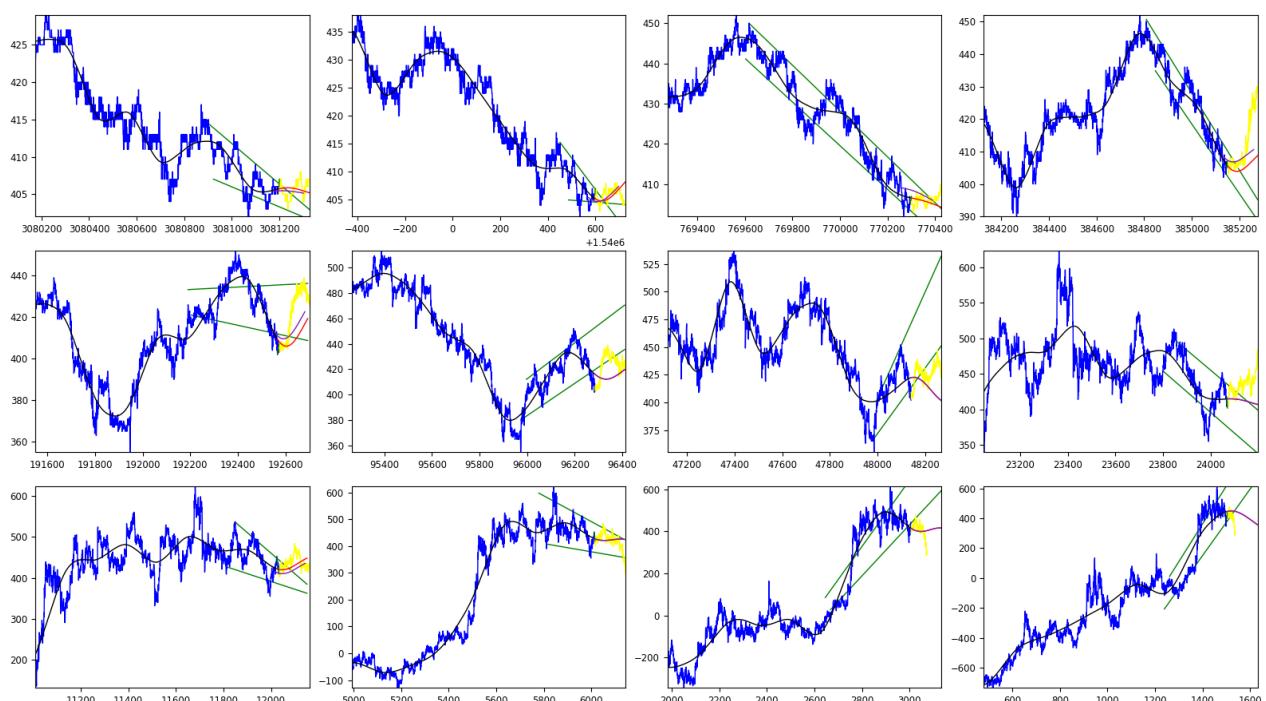


3081200: ptype: 4[0] 7[1] 3[2] 7[3,4,5] 3[6,7] 5[8] 3[9] 1[10] 4[11]

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

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

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



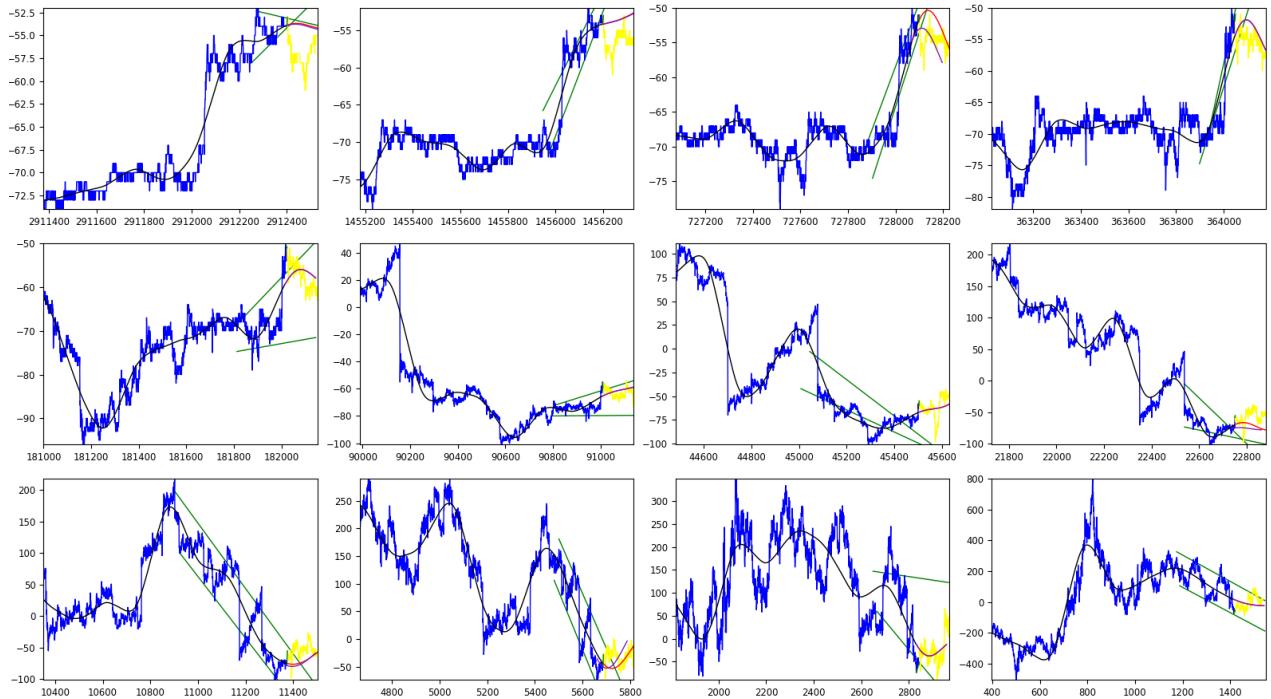
2.16 RM 2912403 2912424

2912403: ptype: 4[0] 2[1] 6[2,3,4] 2[5,6] 4[7] 5[8] 7[9,10] 3[11]

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

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

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

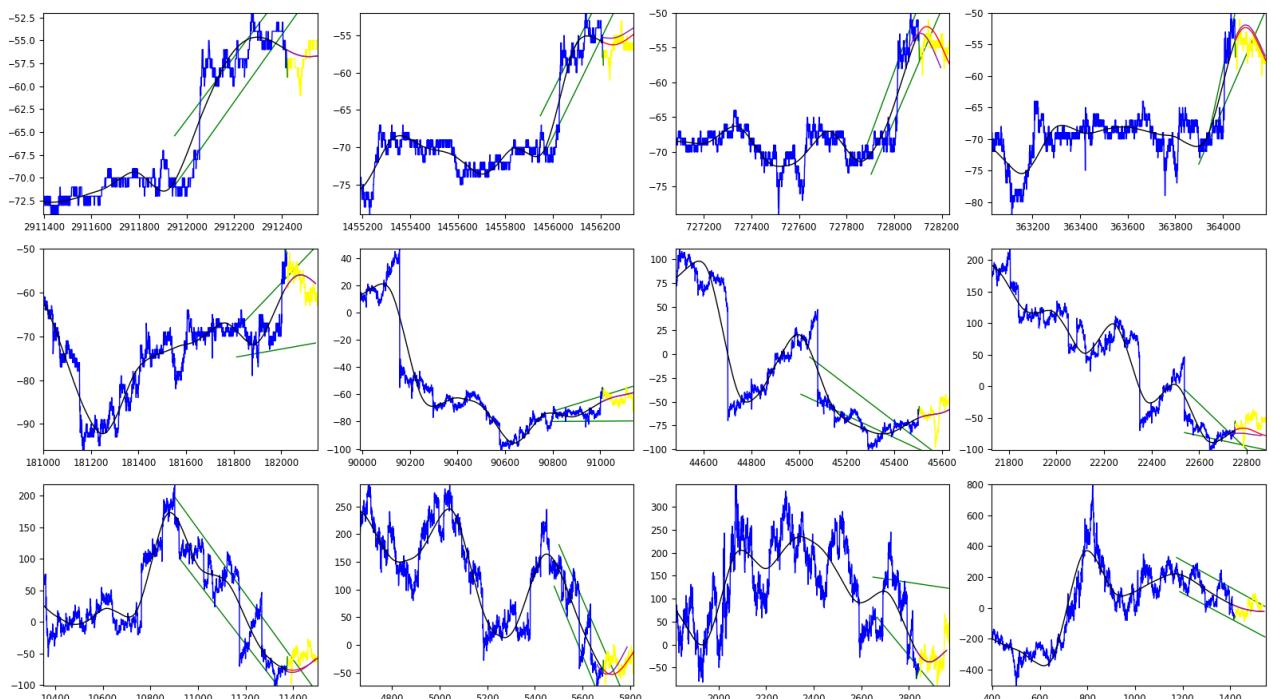


2912424: ptype: 5[0,1] 6[2,3,4] 2[5,6] 4[7] 5[8] 7[9,10] 3[11]

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

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

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



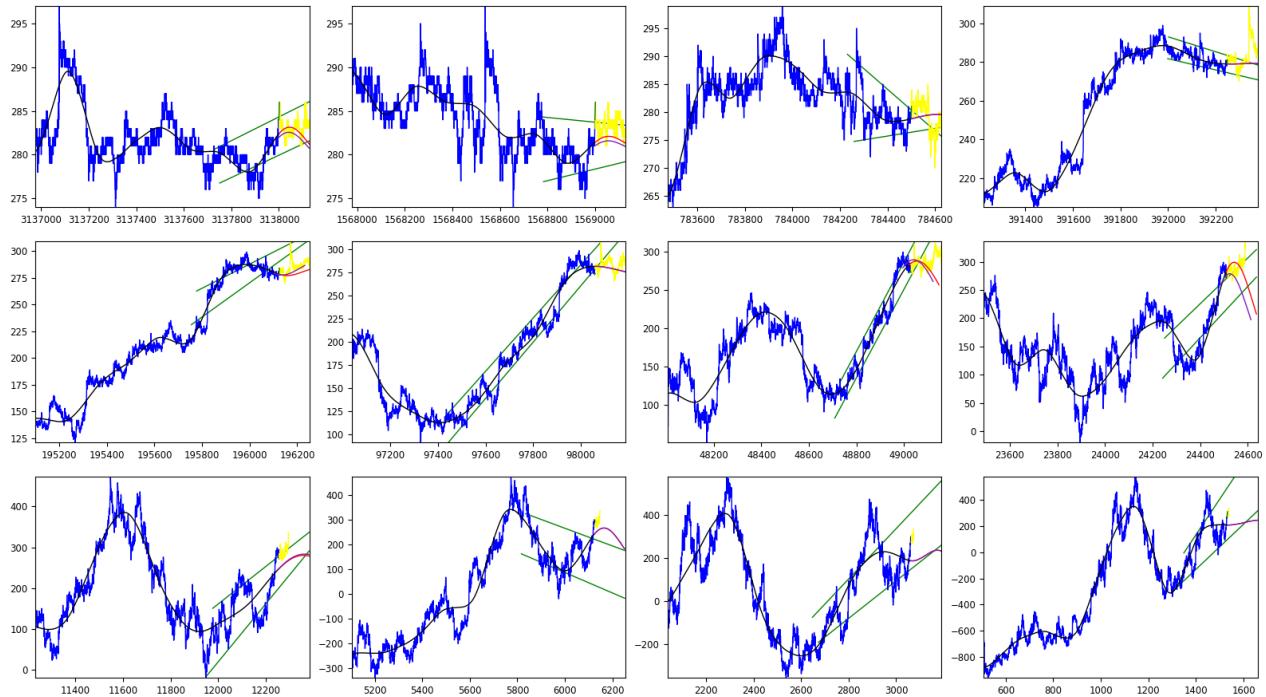
2.17 MA 3138002 3138150

3138002: ptype: 6[0] 4[1] 2[2] 1[3] 5[4] 3[5] 6[6,7] 4[8] 6[9] 4[10] 2[11]

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

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

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

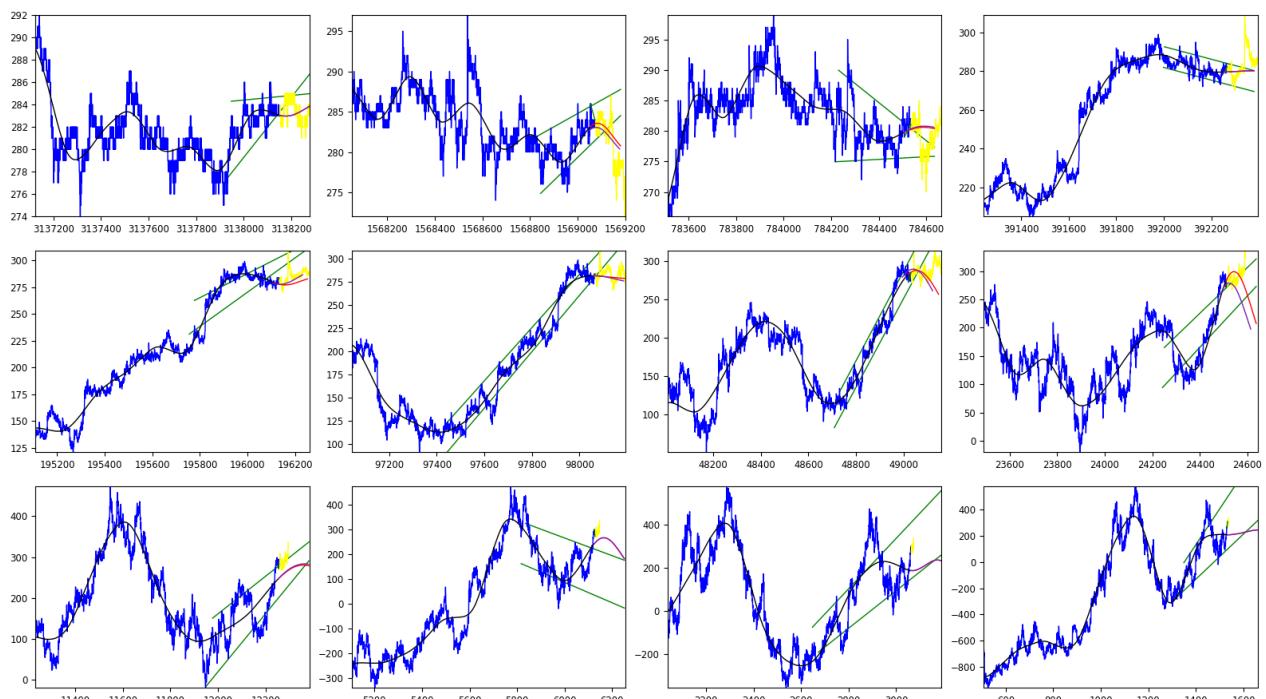


3138150: ptype: 5[0] 6[1] 4[2] 1[3] 5[4] 3[5] 6[6,7] 4[8] 6[9] 4[10] 2[11]

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

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

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



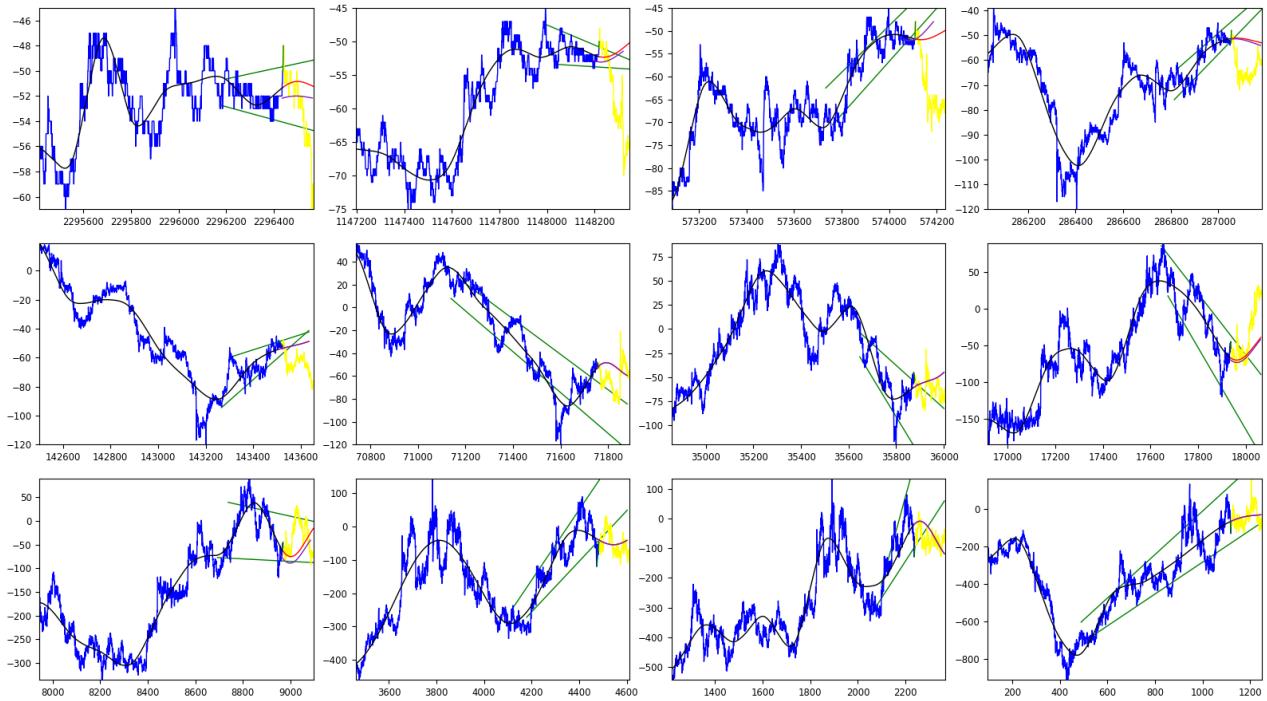
2.18 al 2296441 2296530

2296441: ptype: 4[0] 5[1,2] 4[3] 2[4] 6[5] 2[6] 7[7,8] 5[9] 6[10] 2[11]

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

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

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

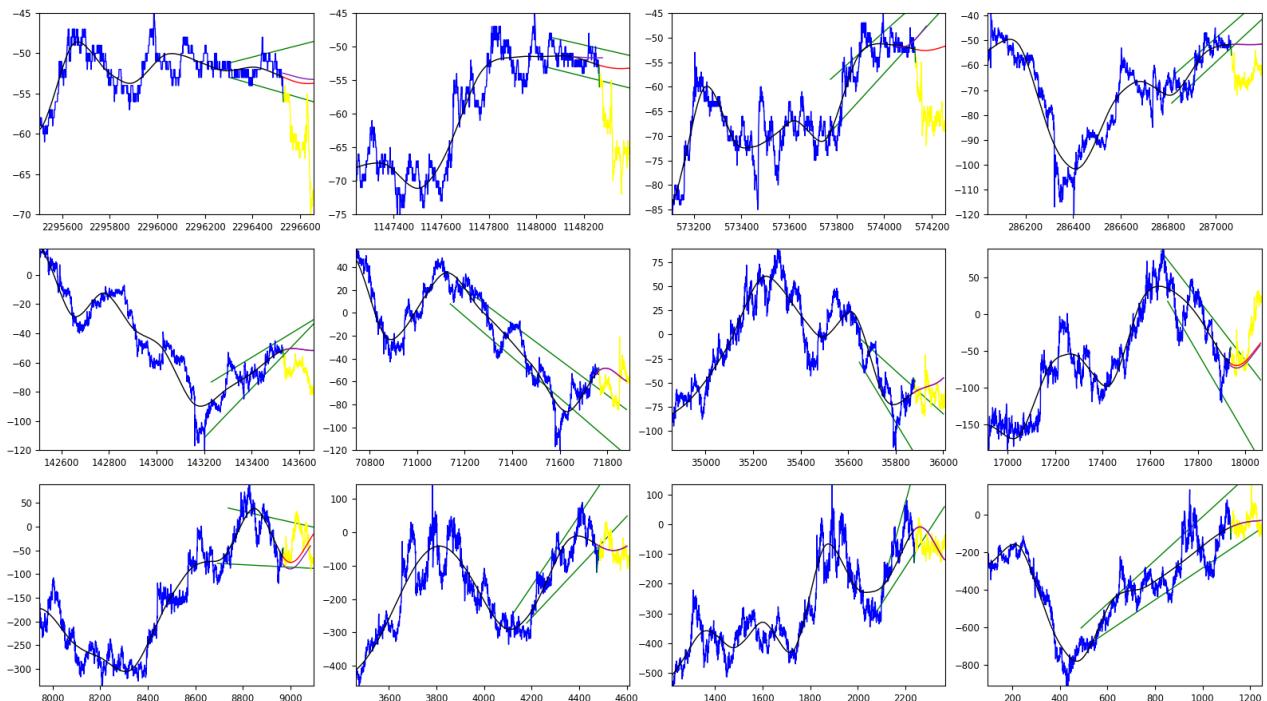


2296530: ptype: 5[0] 3[1] 5[2] 1[3,4] 6[5] 2[6] 7[7,8] 5[9] 6[10] 2[11]

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

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

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



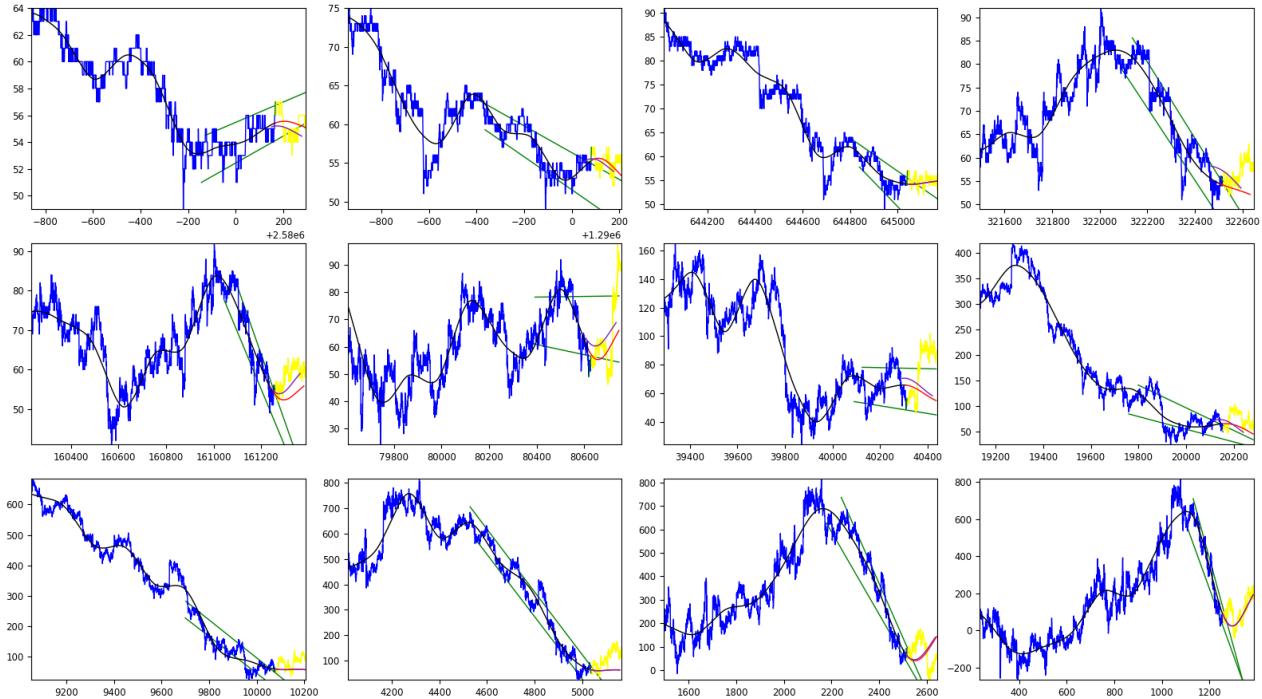
2.19 y9 2580167 2580238

2580167: ptype: 4[0] 6[1] 2[2] 3[3] 7[4,5] 3[6,7] 1[8] 3[9] 7[10,11]

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

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

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

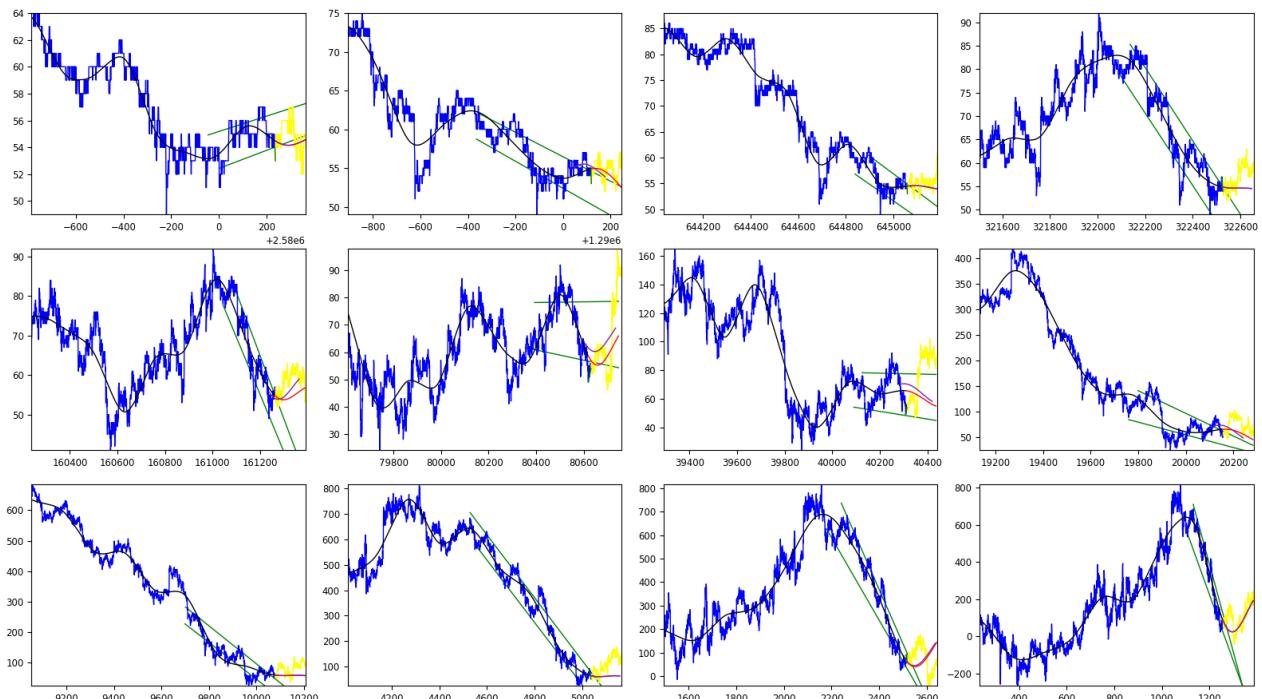


2580238: ptype: 5[0] 4[1] 3[2] 1[3] 7[4,5] 3[6,7] 1[8] 3[9] 7[10,11]

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

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

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



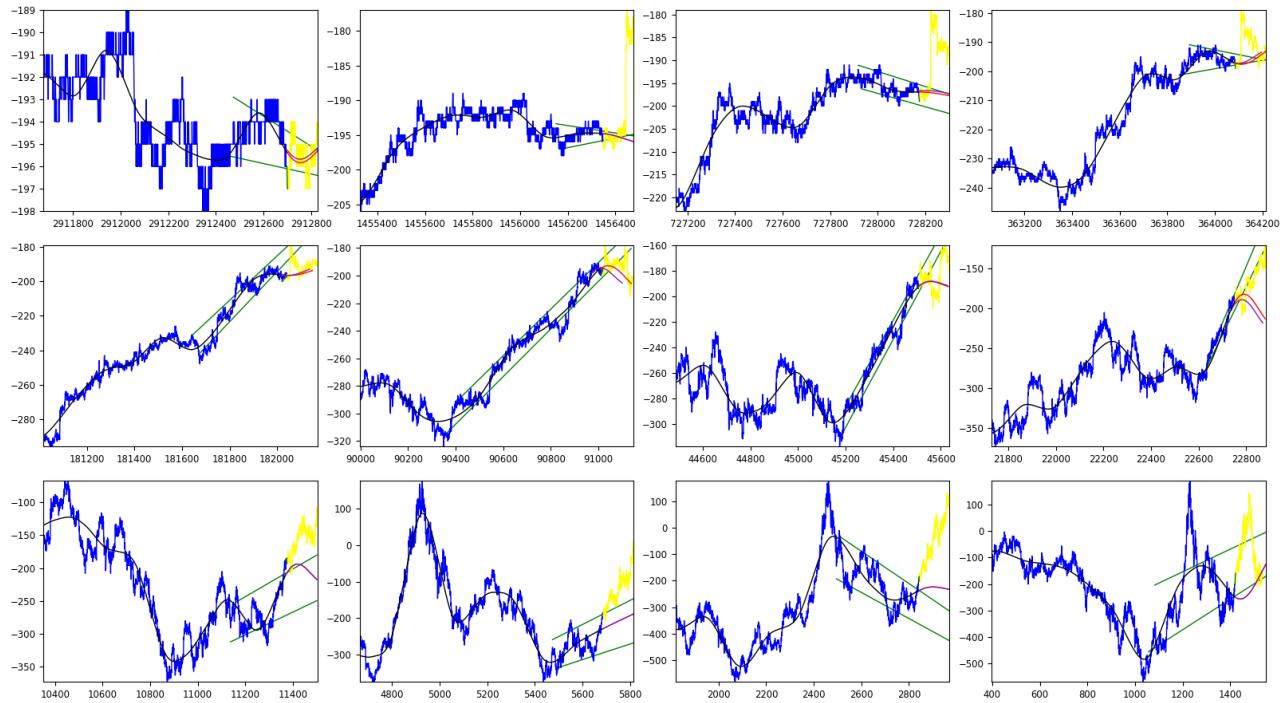
2.20 v9 2912701 2912850

2912701: ptype: 7[0] 3[1,2] 5[3,4] 6[5] 4[6] 6[7,8] 2[9] 4[10] 7[11]

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

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

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



2912850: ptype: 4[0] 5[1] 3[2] 5[3,4] 6[5] 4[6] 6[7,8] 2[9] 4[10] 7[11]

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

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

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

