

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	2572073	2572193		
	OI	1	2392934	2393049		
	v9	1	2673402	2673471		
	TA	-1	2817392	2817461		
	SR	1	2806003	2806058		
	RM	-1	2914420	2914500		
	MA	1	2679575	2679690		
	al	1	2715661	2715786		
	c9	1	2702761	2702823		
	CF	1	2638493	2638597		
	l9	1	3054507	3054642		
	ag	-1	2936118	2936200		
	m9	-1	2328268	2328312		
	TA	1	2911316	2911510		
	MA	1	3135830	3135869		
	m9	1	2680641	2680700		
	OI	1	2552714	2552823		
	CF	1	2317275	2317360		
	MA	1	2527720	2527800		
	ag	-1	2767716	2767824		

2 Detail - part 4

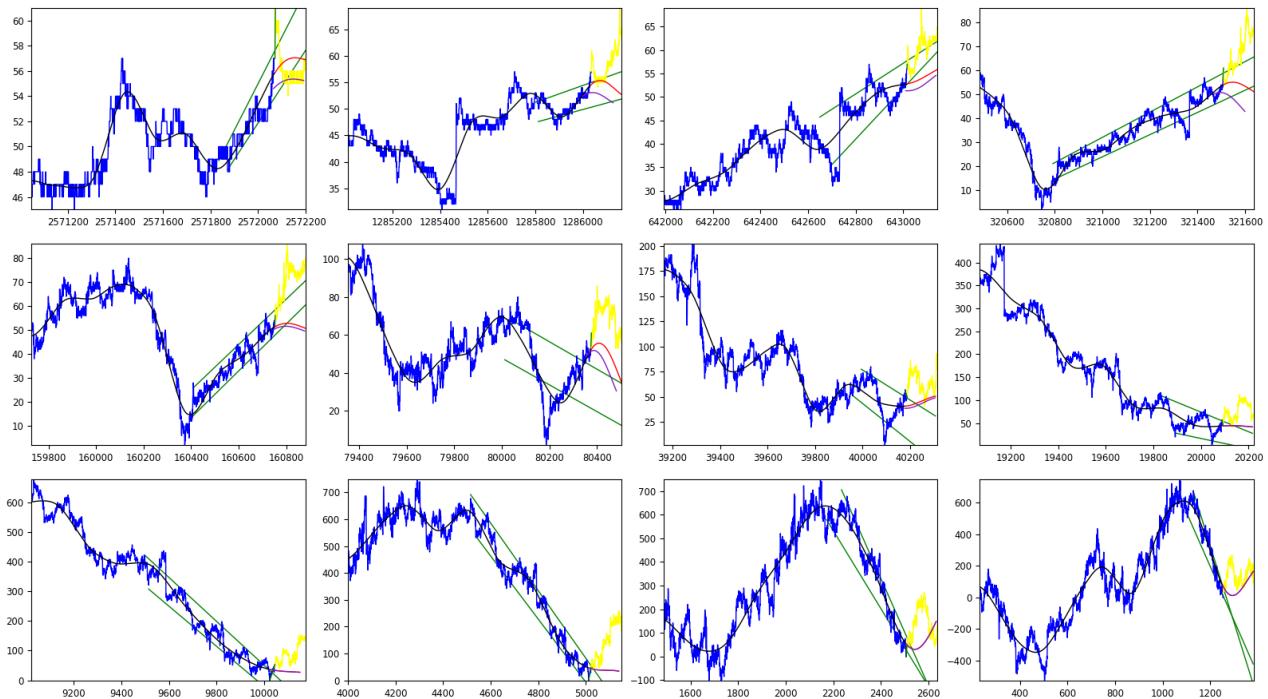
2.1 p9 2572073 2572193

2572073: ptype: 4[0] 6[1] 2[2] 6[3] 4[4] 6[5] 2[6] 3[7,8,9] 7[10,11]

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

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

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

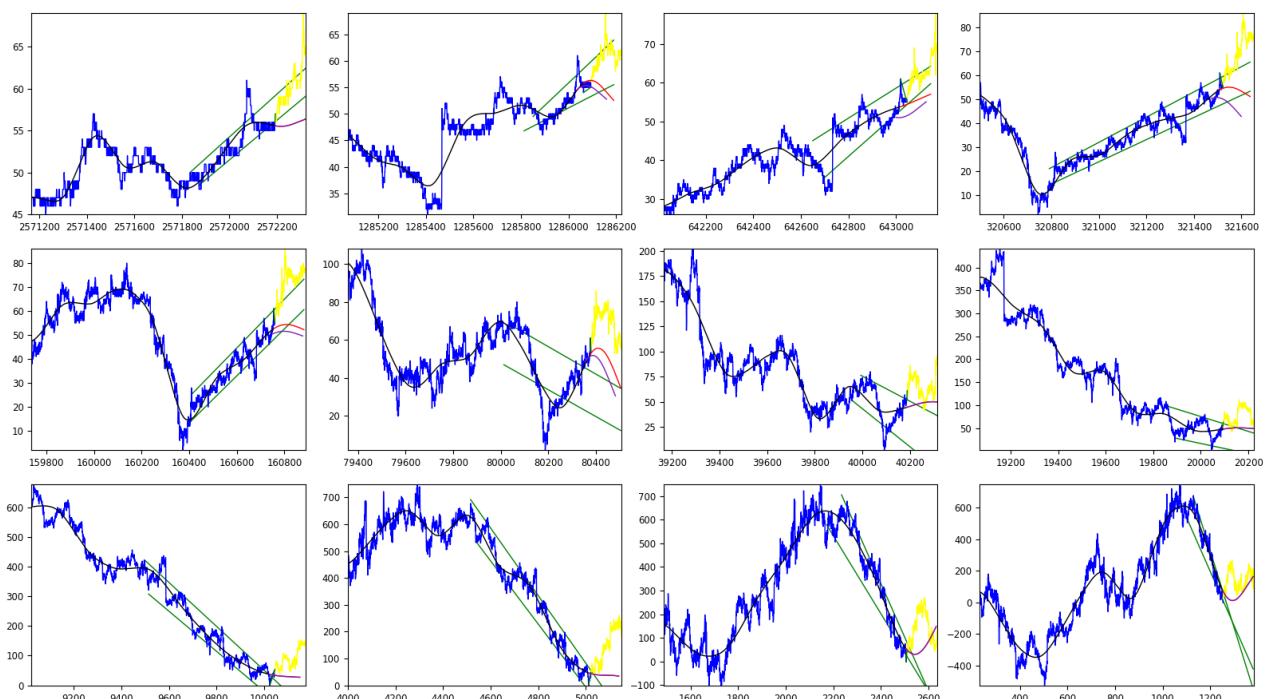


2572193: ptype: 5[0] 6[1] 2[2] 6[3] 4[4] 6[5] 2[6,7] 3[8,9] 7[10,11]

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

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

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



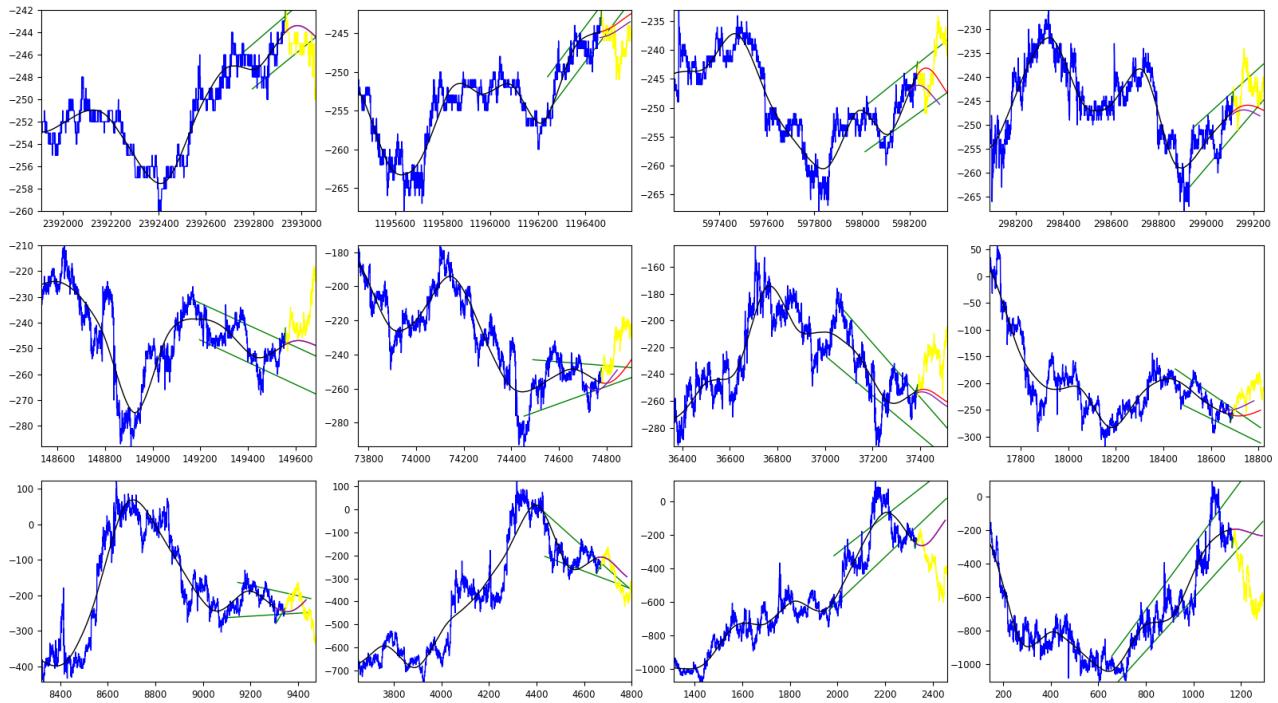
2.2 OI 2392934 2393049

2392934: ptype: 6[0] 2[1] 6[2] 4[3,4] 5[5] 4[6] 5[7] 7[8] 4[9] 7[10] 3[11]

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

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

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

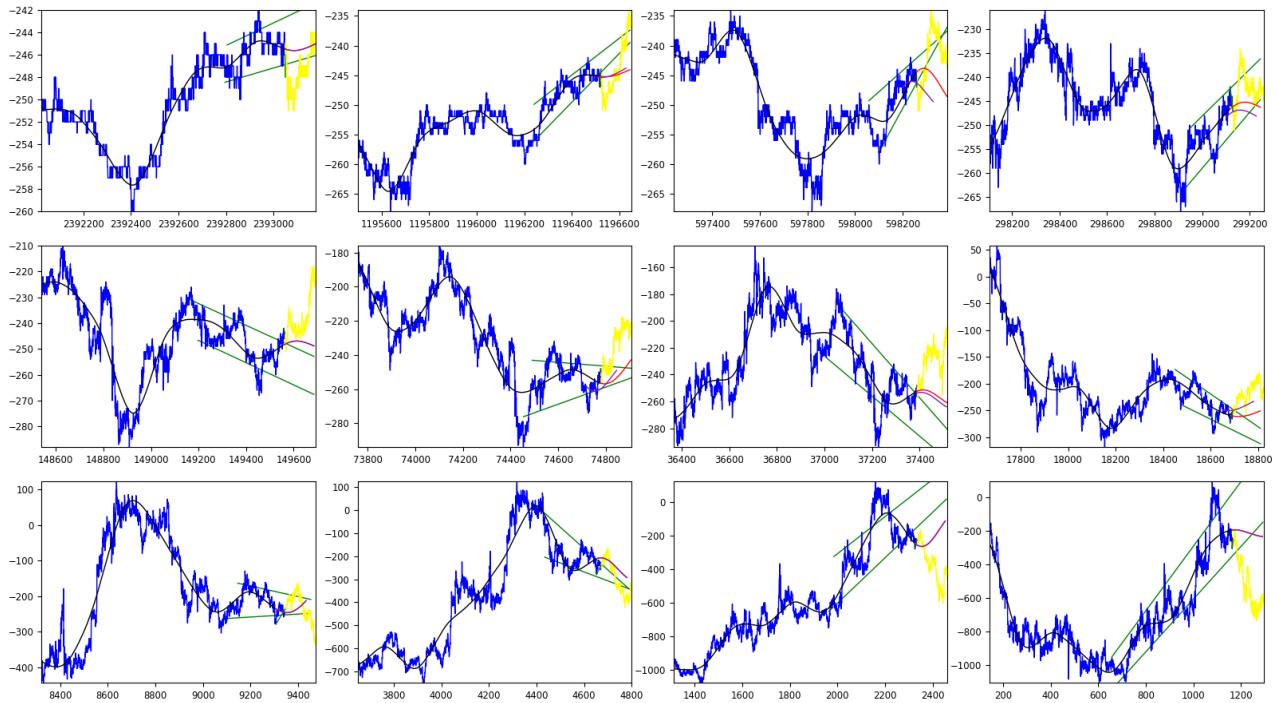


2393049: ptype: 5[0,1] 6[2] 4[3,4] 5[5] 4[6] 5[7] 7[8] 4[9] 7[10] 3[11]

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

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

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



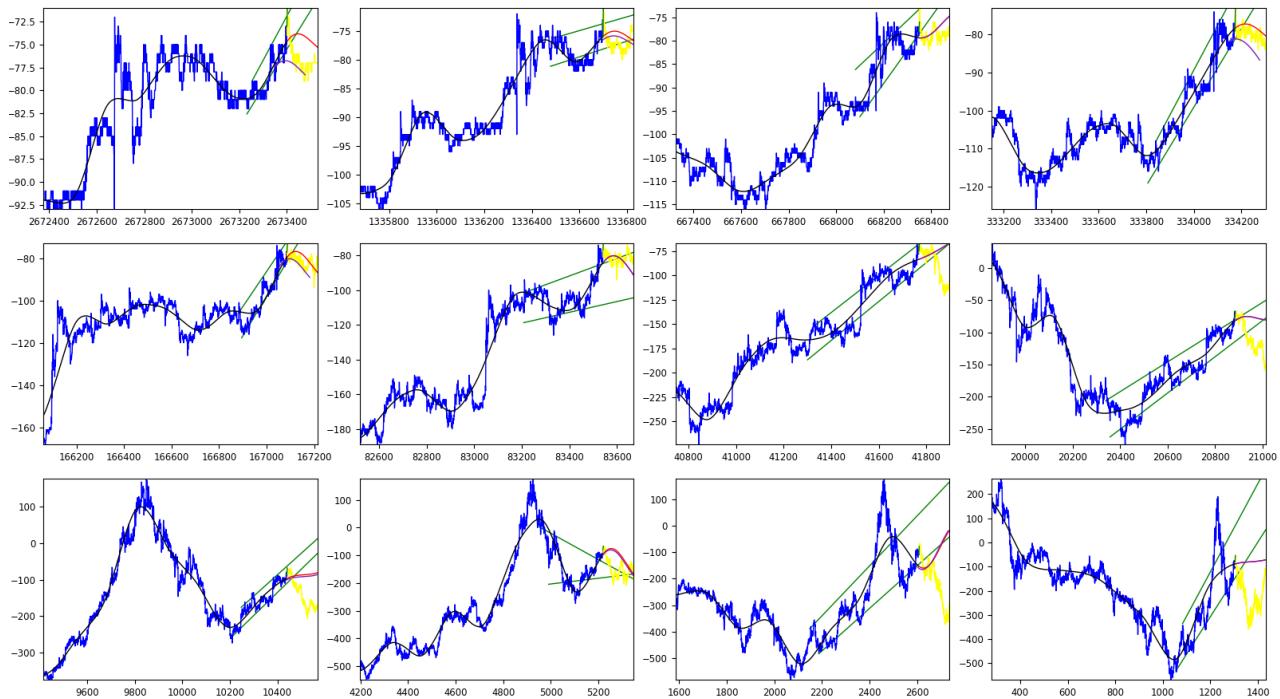
2.3 v9 2673402 2673471

2673402: ptype: 6[0,1] 2[2] 6[3,4,5] 2[6] 4[7] 2[8] 6[9] 7[10] 2[11]

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

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

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

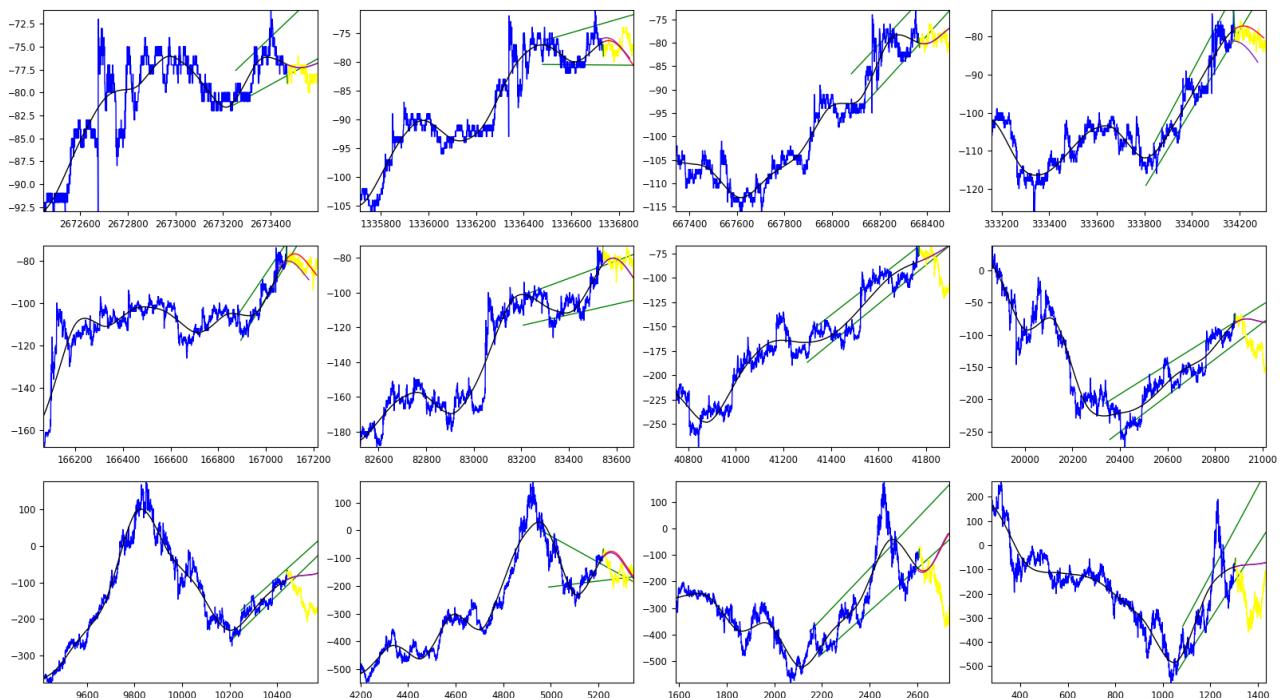


2673471: ptype: 5[0] 4[1] 5[2] 6[3,4,5] 2[6] 4[7] 2[8] 6[9] 7[10] 2[11]

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

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

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



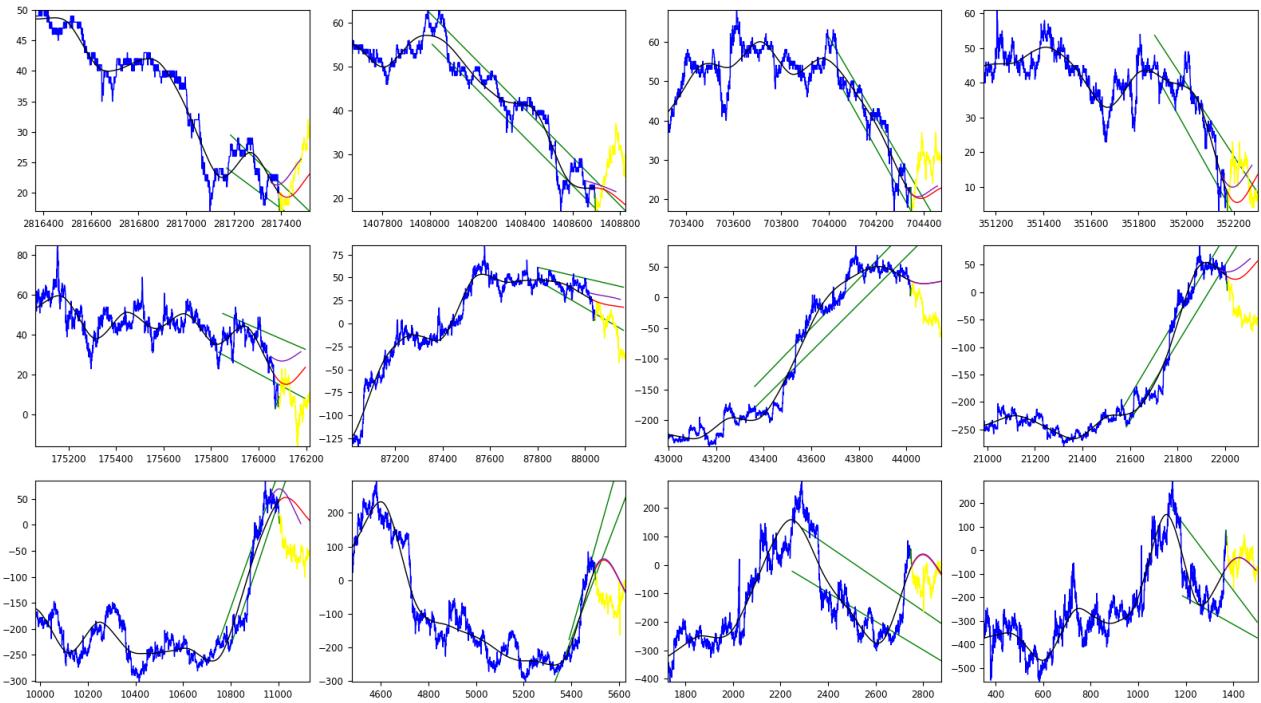
2.4 TA 2817392 2817461

2817392: ptype: 7[0] 3[1] 7[2,3,4] 3[5] 5[6] 7[7] 6[8,9,10,11]

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

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

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

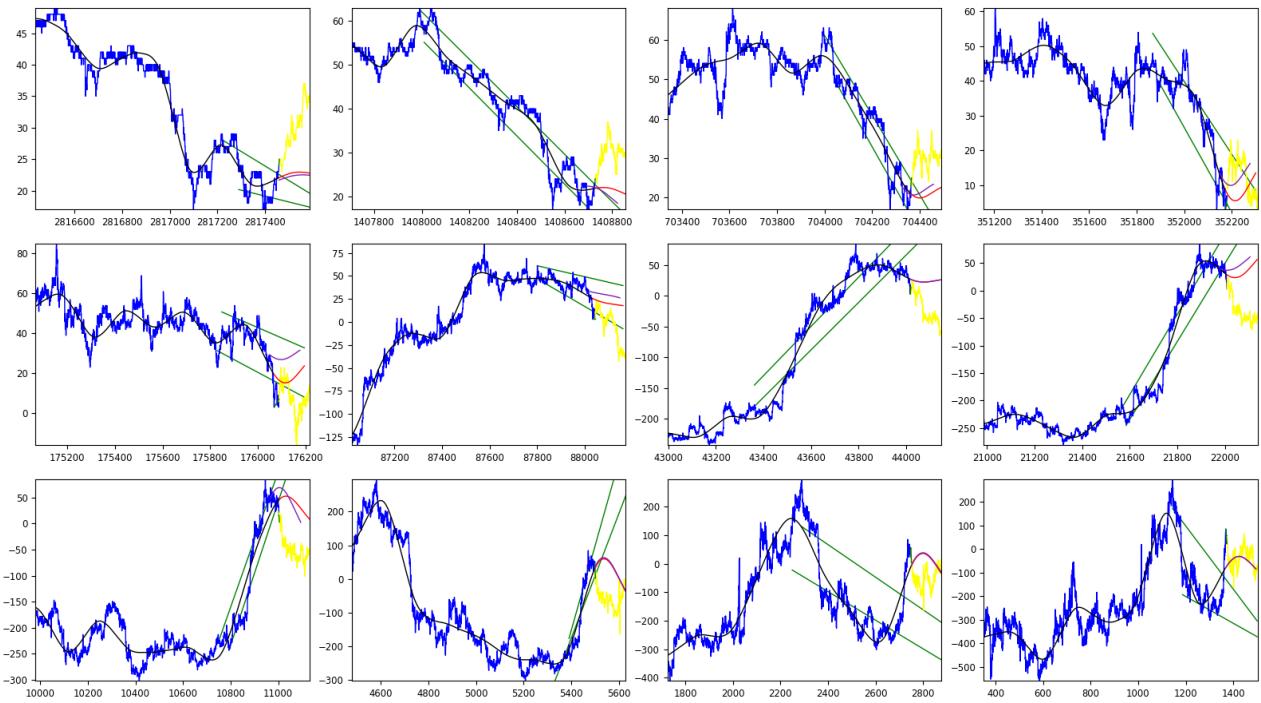


2817461: ptype: 4[0,1] 7[2,3,4] 3[5] 5[6] 7[7] 6[8,9,10,11]

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

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

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



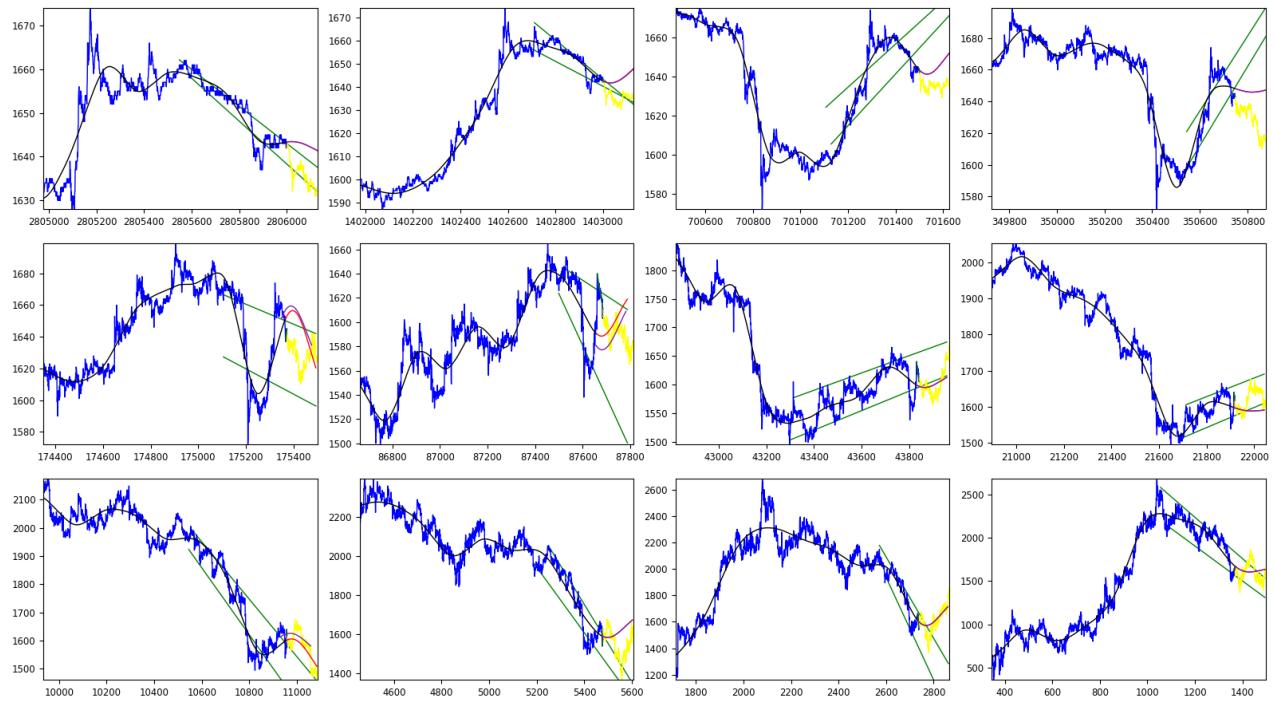
2.5 SR 2806003 2806058

2806003: ptype: 4[0] 5[1] 7[2] 5[3] 6[4] 7[5] 5[6,7] 4[8] 7[9,10] 5[11]

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

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

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

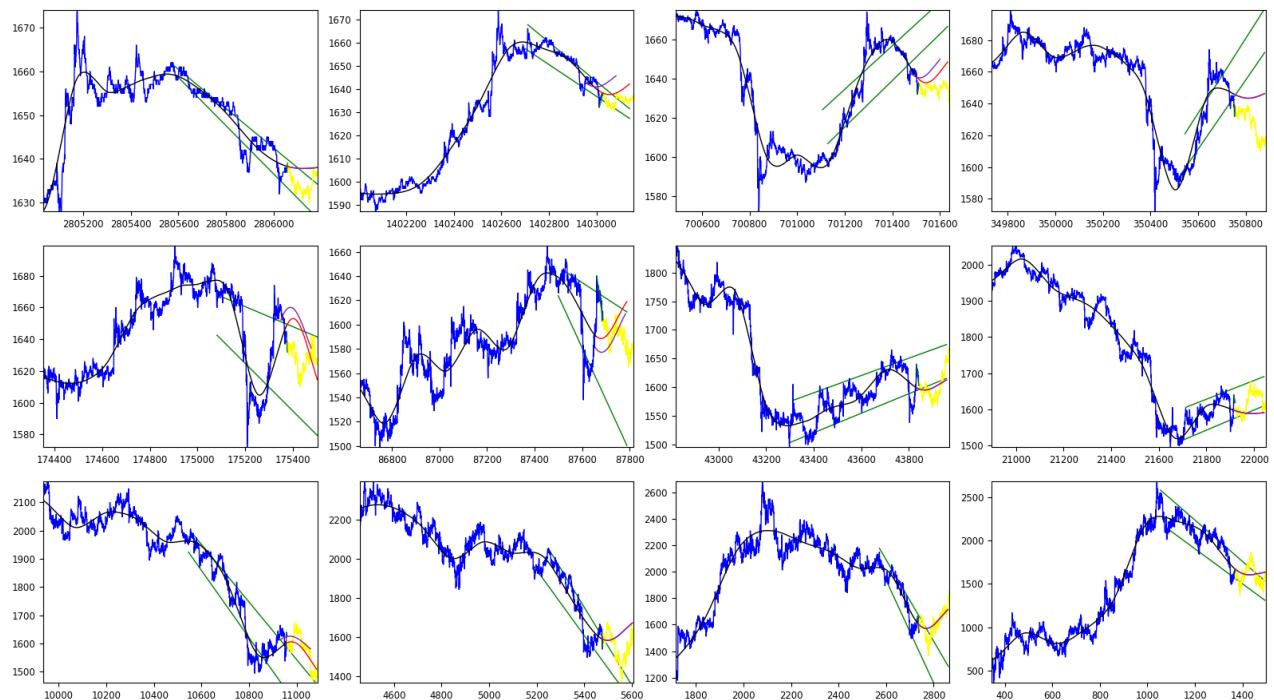


2806058: ptype: 5[0] 7[1,2] 5[3] 6[4] 7[5] 5[6,7] 4[8] 7[9,10] 5[11]

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

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

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



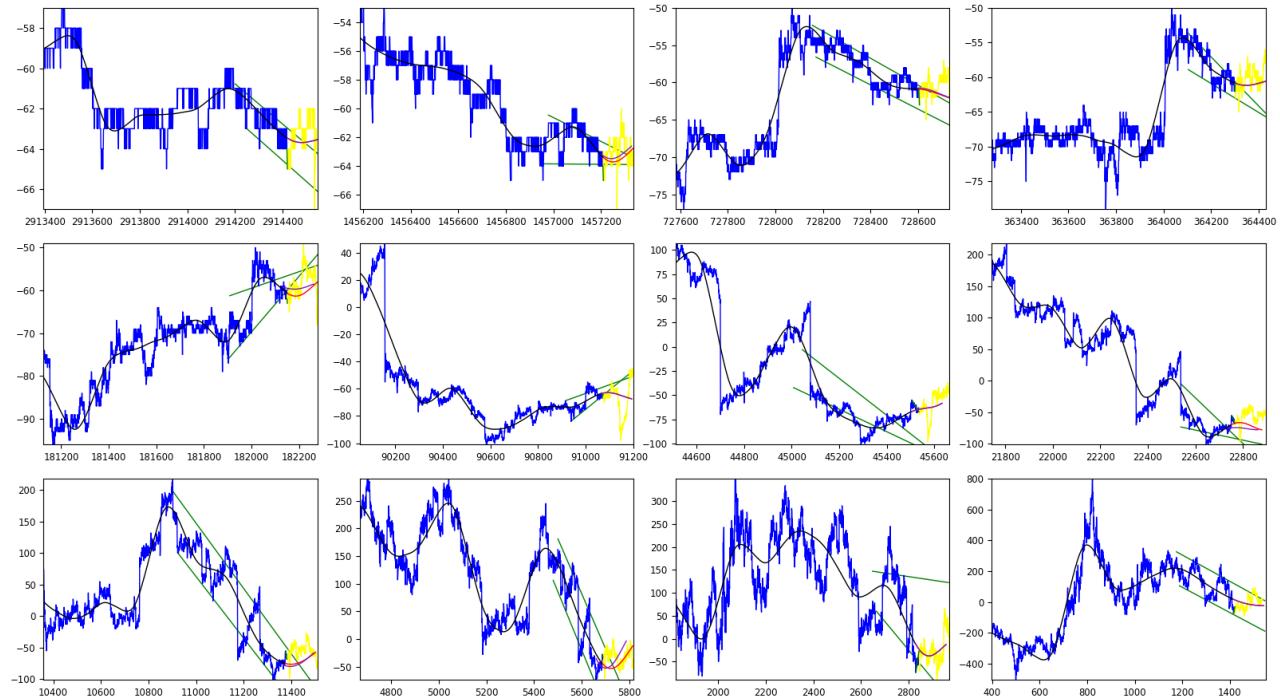
2.6 RM 2914420 2914500

2914420: ptype: 5[0] 7[1] 3[2] 5[3] 7[4] 4[5] 2[6] 4[7] 5[8] 7[9,10] 3[11]

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

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

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

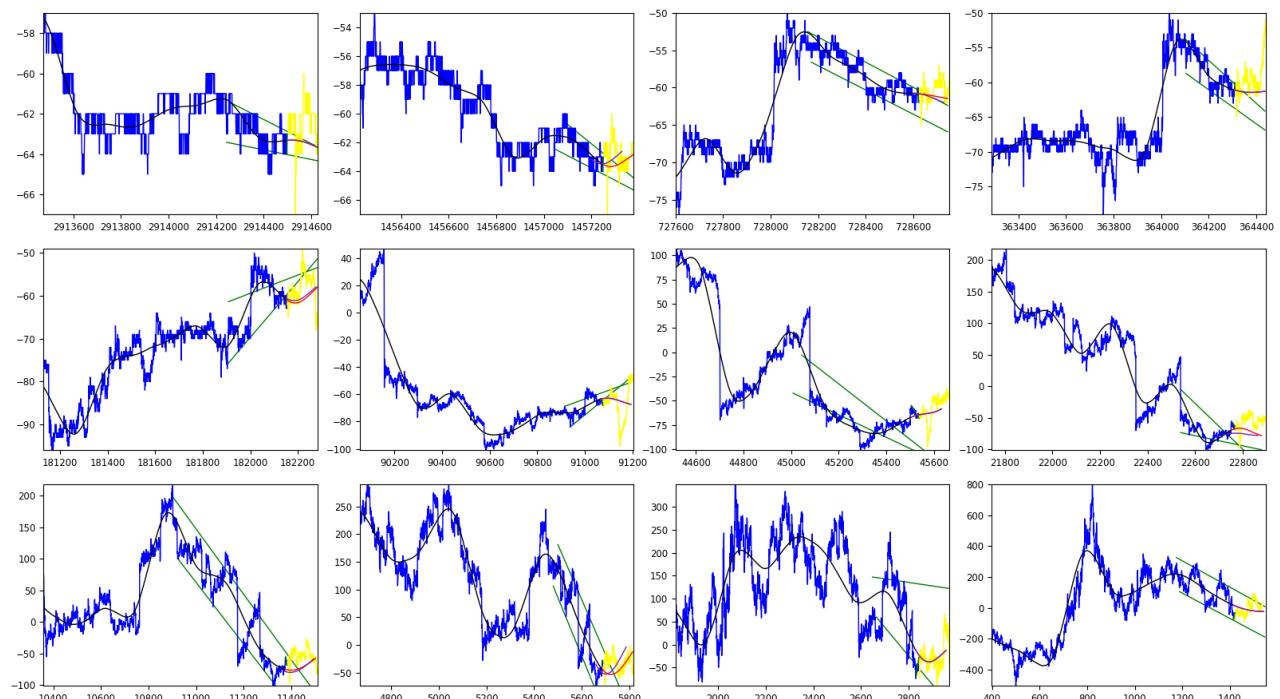


2914500: ptype: 4[0] 7[1] 3[2] 5[3] 7[4] 4[5] 2[6] 4[7] 5[8] 7[9,10] 3[11]

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

otp: 0[0,1,2,3] -1[4] 0[5] 1[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]



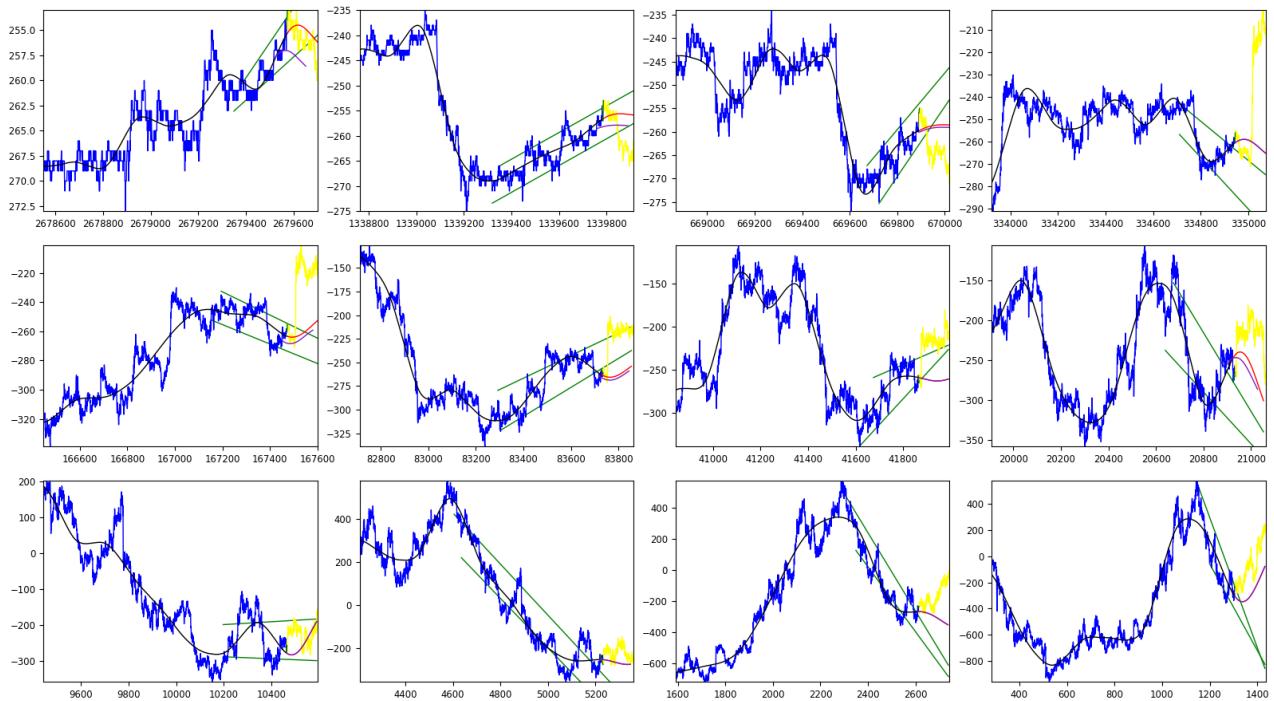
2.7 MA 2679575 2679690

2679575: ptype: 6[0] 4[1] 2[2] 6[3] 5[4,5,6] 6[7] 7[8] 3[9,10] 7[11]

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

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

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

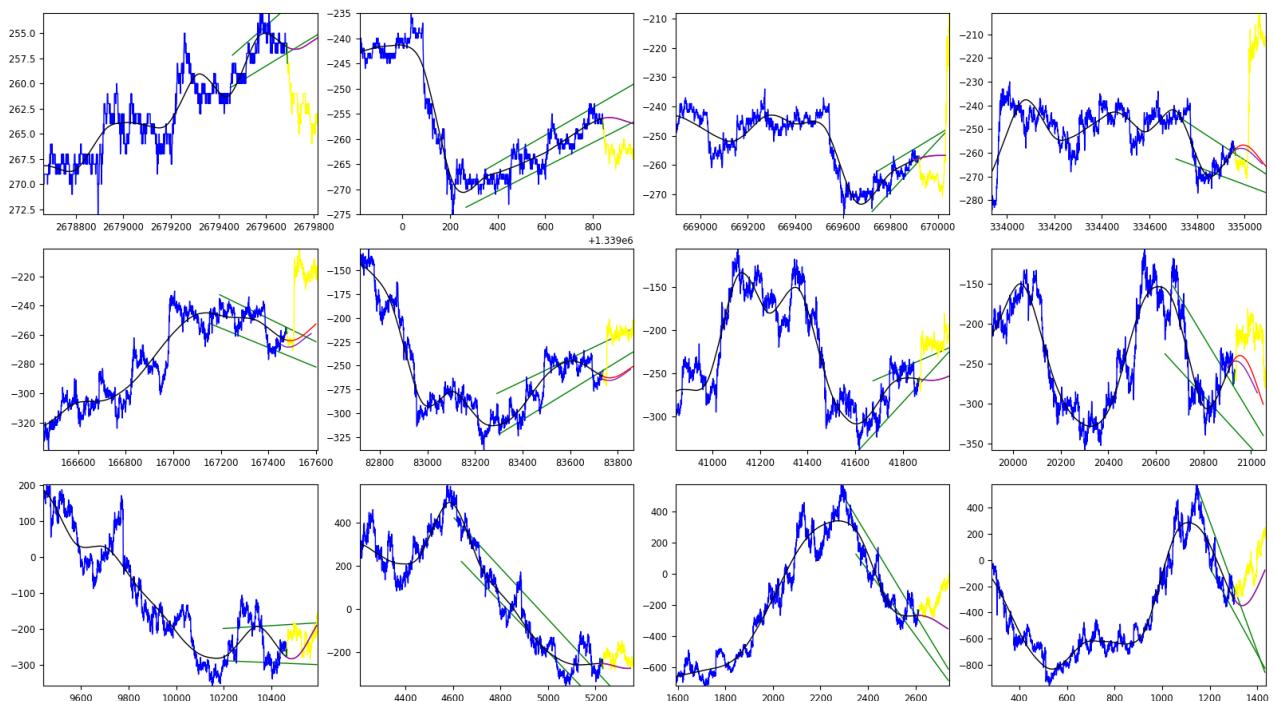


2679690: ptype: 5[0] 4[1] 2[2] 6[3] 5[4,5,6] 6[7] 7[8] 3[9,10] 7[11]

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

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

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



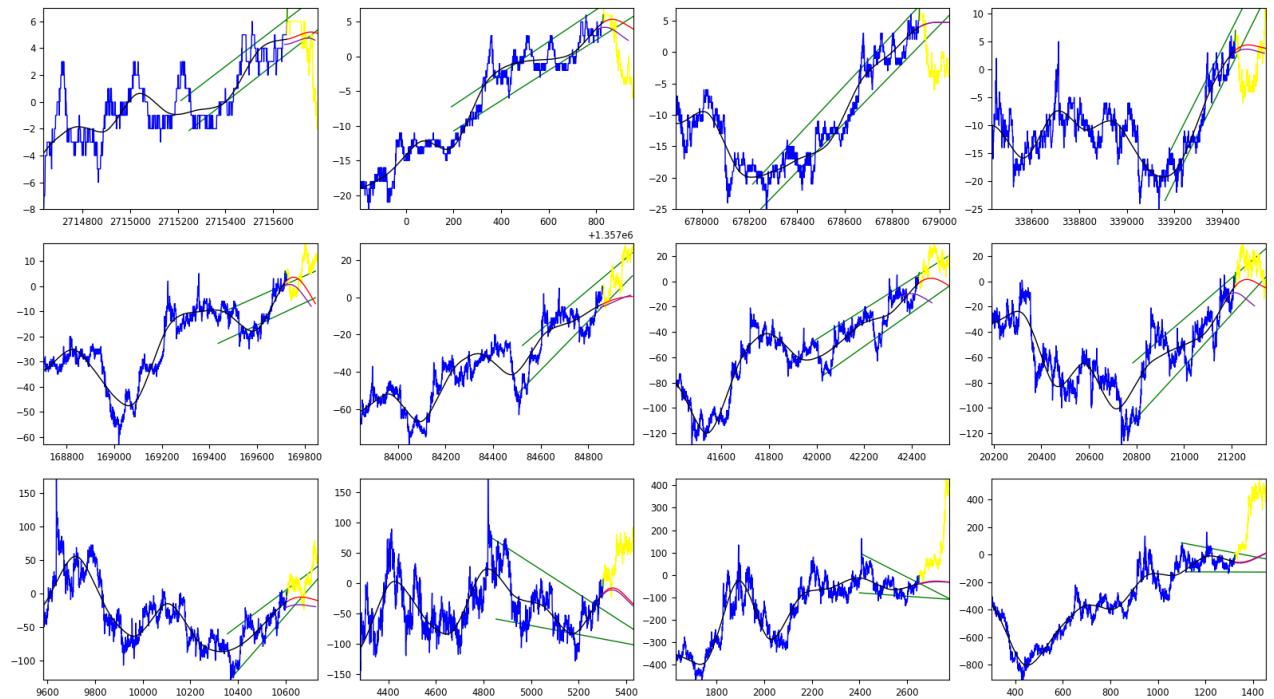
2.8 al 2715661 2715786

2715661: ptype: 4[0] 6[1] 2[2] 4[3] 6[4] 2[5] 6[6,7] 4[8] 6[9] 4[10] 5[11]

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

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

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

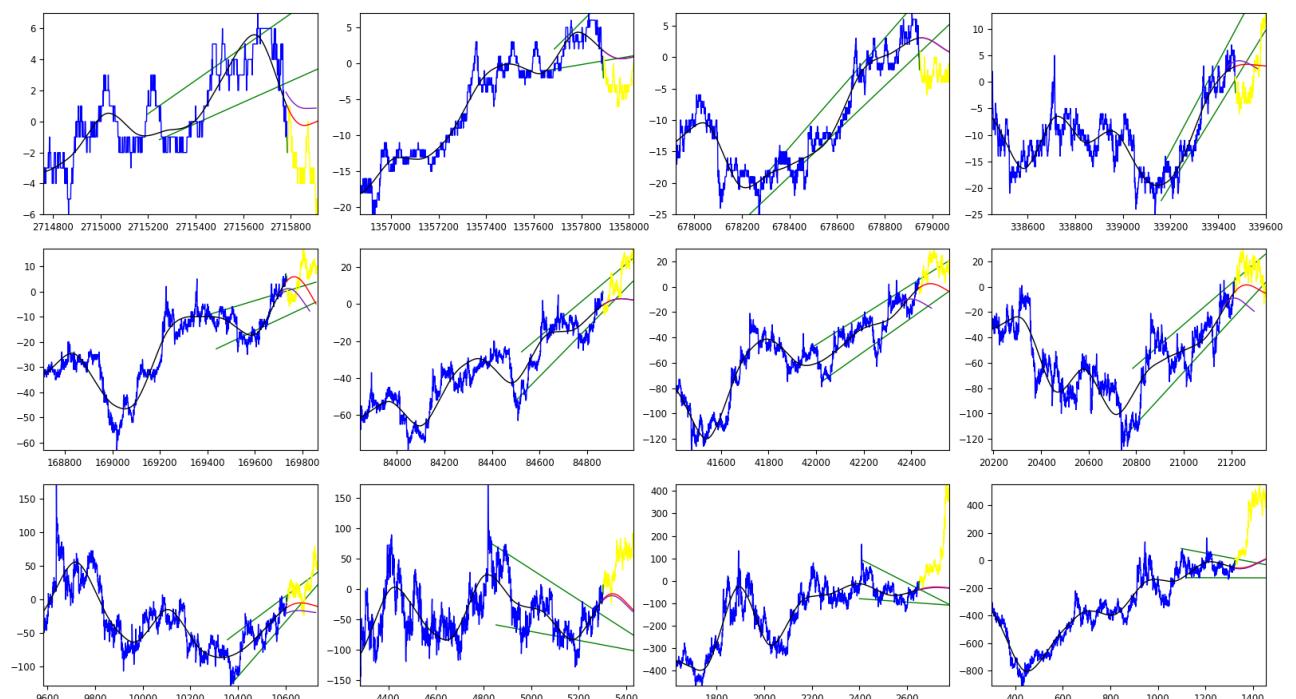


2715786: ptype: 5[0,1] 3[2] 4[3] 6[4] 4[5] 6[6,7] 4[8] 6[9] 4[10] 5[11]

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

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

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



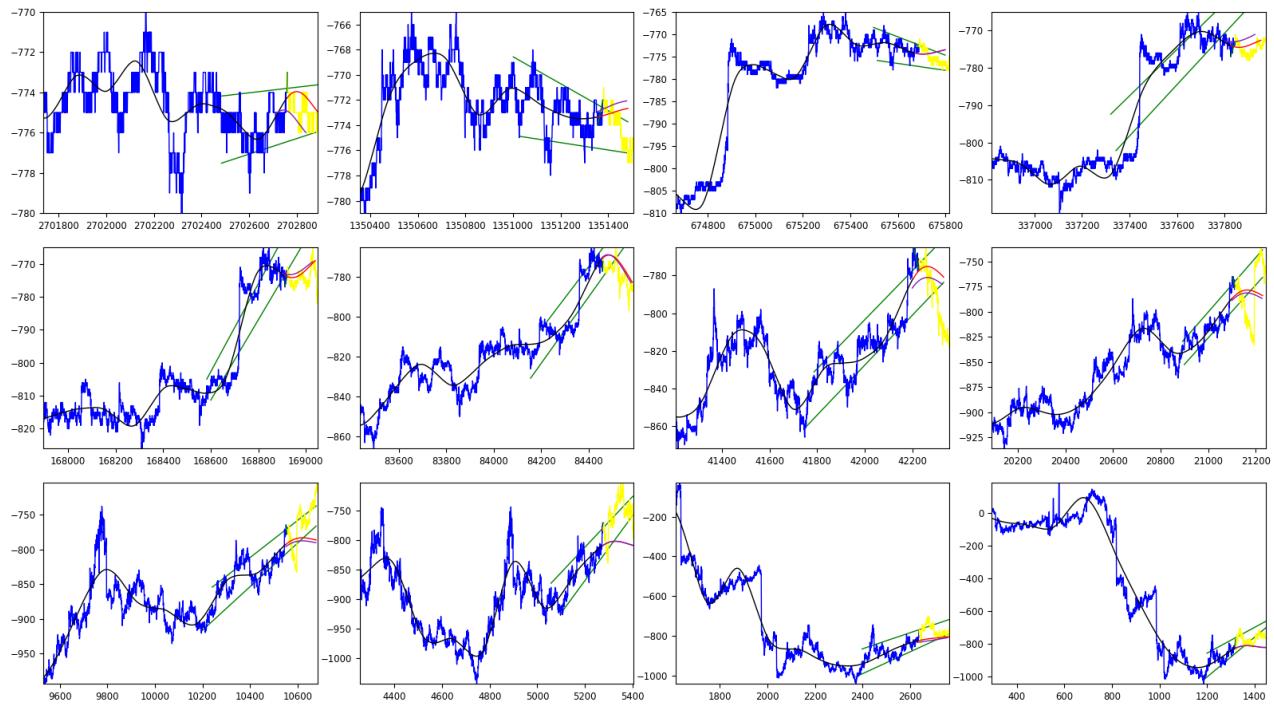
2.9 c9 2702761 2702823

2702761: ptype: 6[0] 2[1] 5[2,3,4] 6[5,6,7] 4[8,9] 2[10] 4[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] 0[5] 1[6] 0[7,8] 1[9] 0[10,11]

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

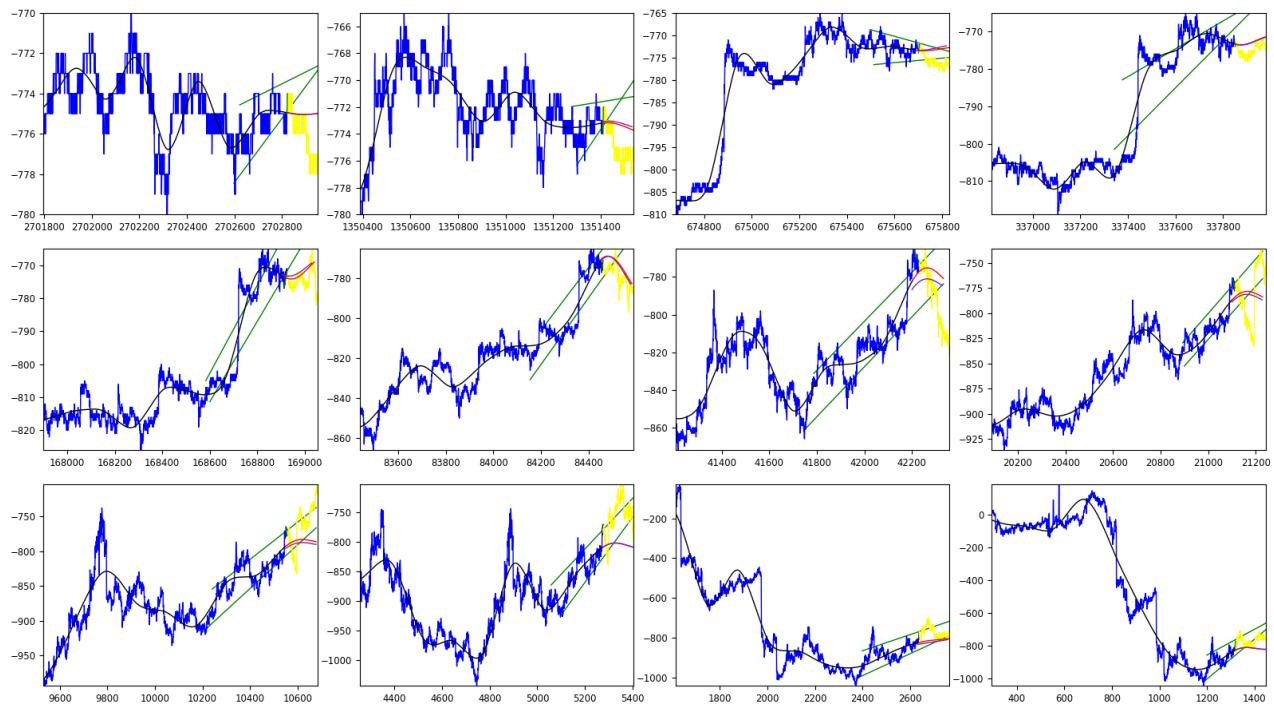


2702823: ptype: 5[0] 3[1] 2[2] 5[3,4] 6[5,6,7] 4[8,9] 2[10] 4[11]

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

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

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



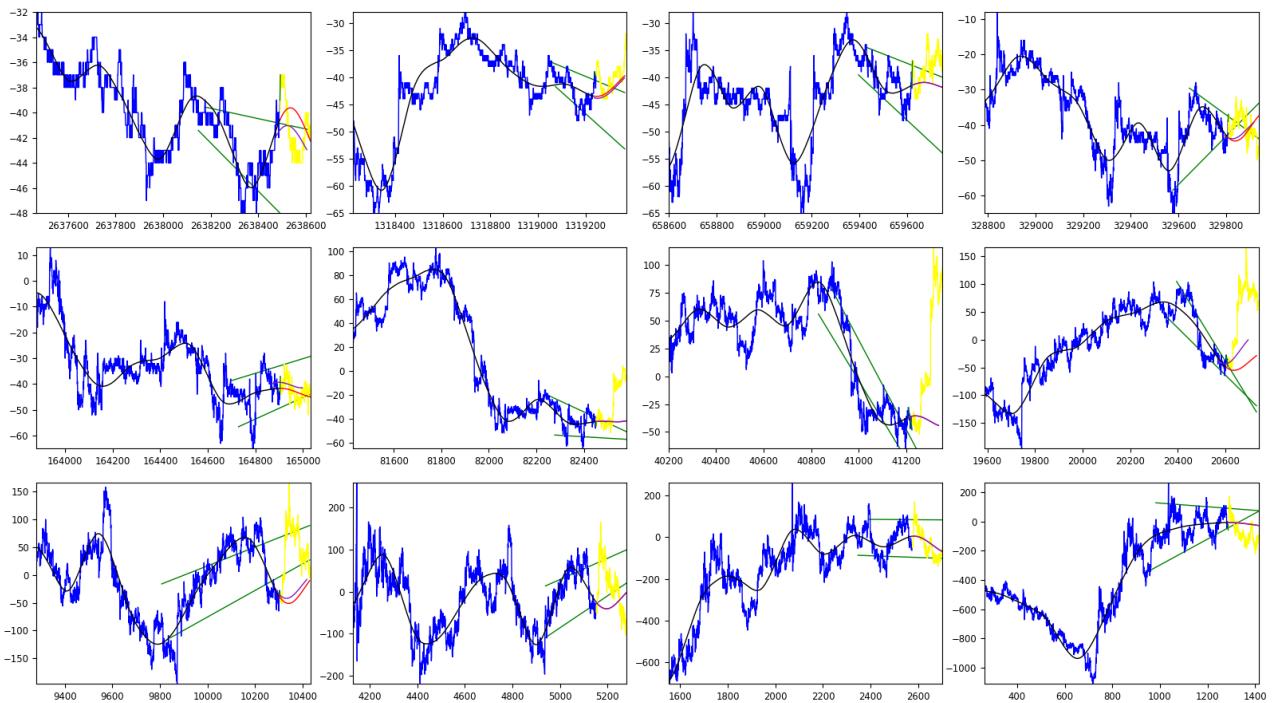
2.10 CF 2638493 2638597

2638493: ptype: 6[0] 2[1] 4[2] 7[3] 3[4] 2[5] 4[6] 7[7,8,9] 3[10,11]

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

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

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

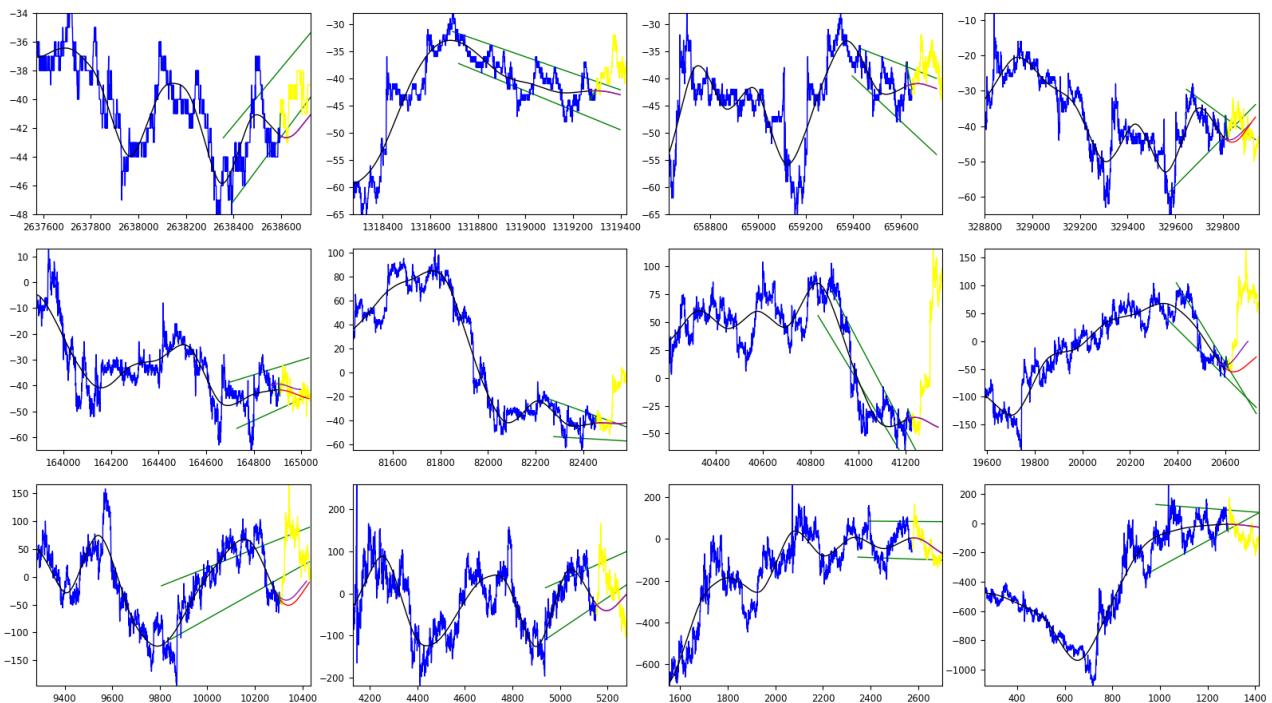


2638597: ptype: 7[0] 3[1] 4[2] 7[3] 3[4] 2[5] 4[6] 7[7,8,9] 3[10,11]

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

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

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



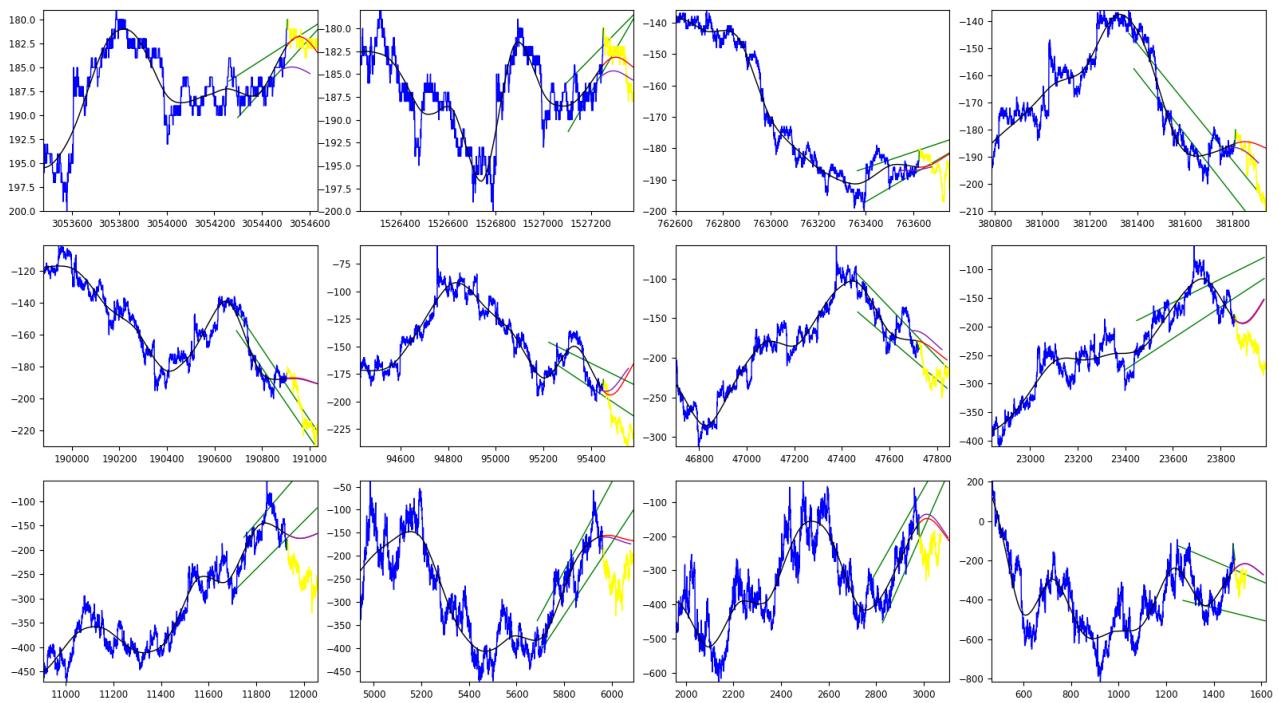
2.11 19 3054507 3054642

3054507: ptype: 6[0,1] 2[2] 4[3,4] 7[5] 3[6] 7[7] 5[8] 4[9] 6[10,11]

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

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

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

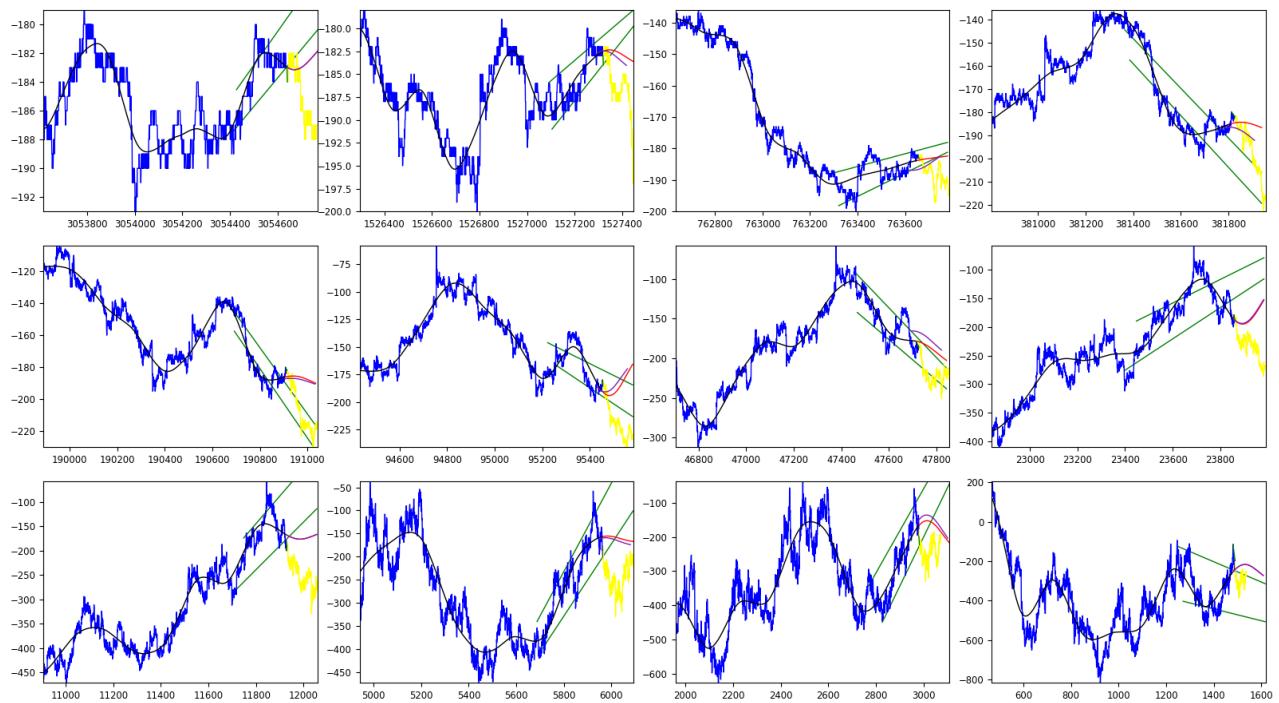


3054642: ptype: 7[0] 4[1] 2[2] 4[3,4] 7[5] 3[6] 7[7] 5[8] 4[9] 6[10,11]

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

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

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



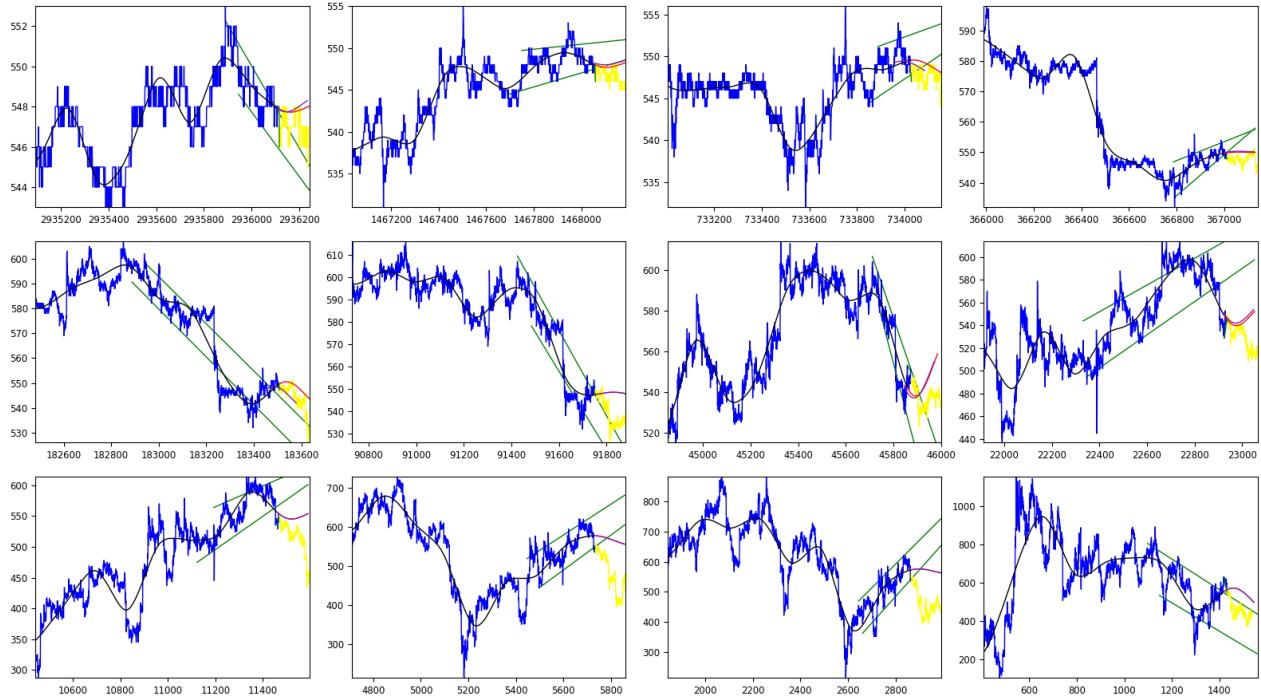
2.12 ag 2936118 2936200

2936118: ptype: 5[0,1] 3[2] 2[3] 6[4] 4[5] 7[6,7] 5[8] 3[9] 4[10] 6[11]

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

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

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

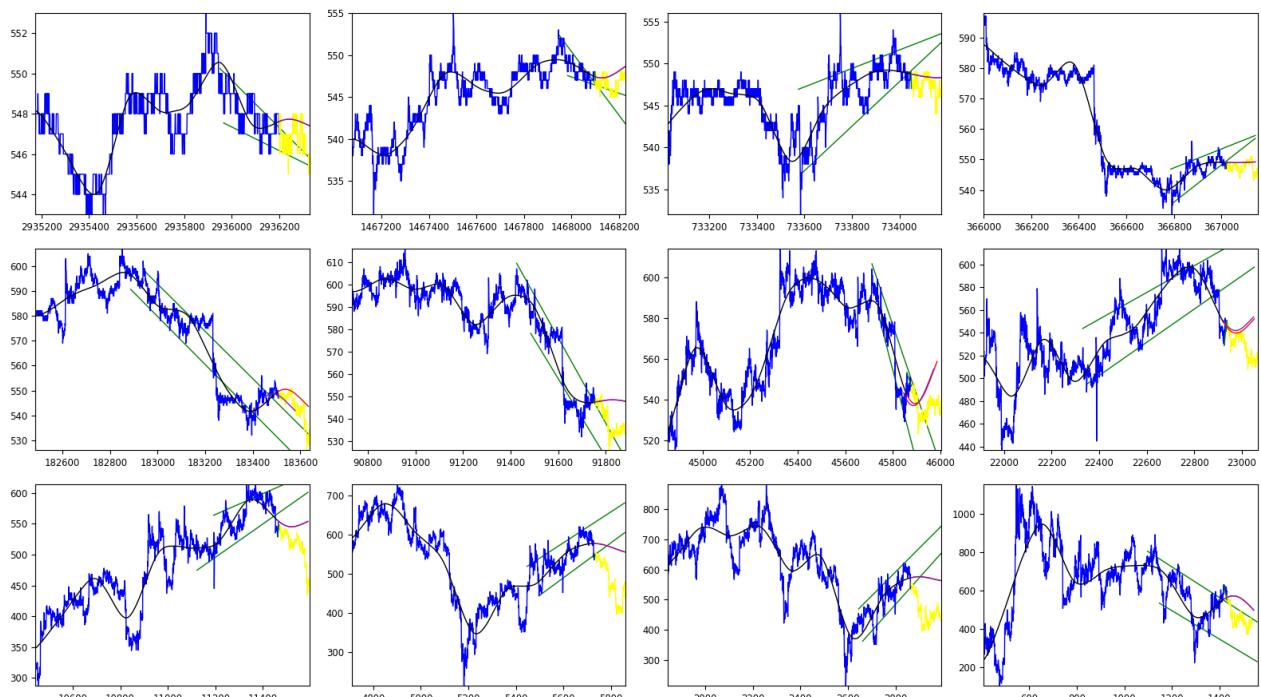


2936200: ptype: 4[0] 5[1] 3[2] 1[3] 6[4] 4[5] 7[6,7] 5[8] 3[9] 4[10] 6[11]

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

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

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



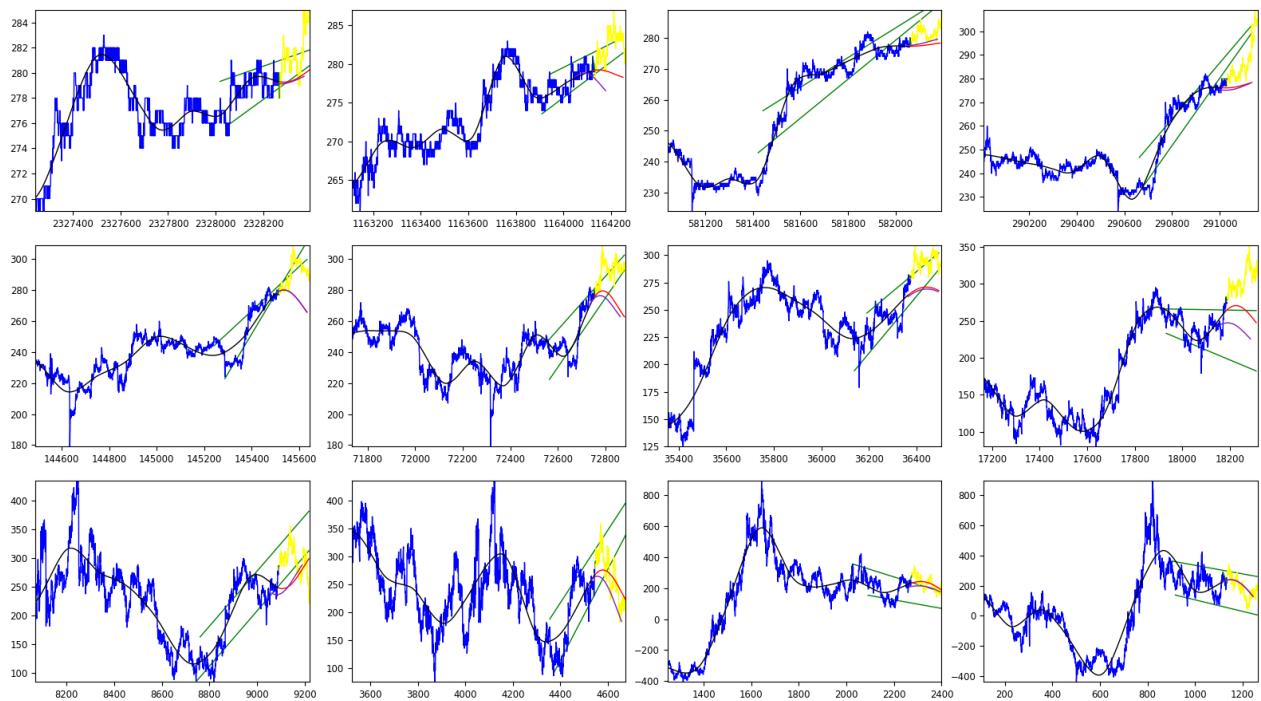
2.13 m9 2328268 2328312

2328268: ptype: 5[0] 4[1] 2[2,3] 6[4,5] 4[6] 6[7] 5[8] 6[9] 4[10,11]

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

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

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

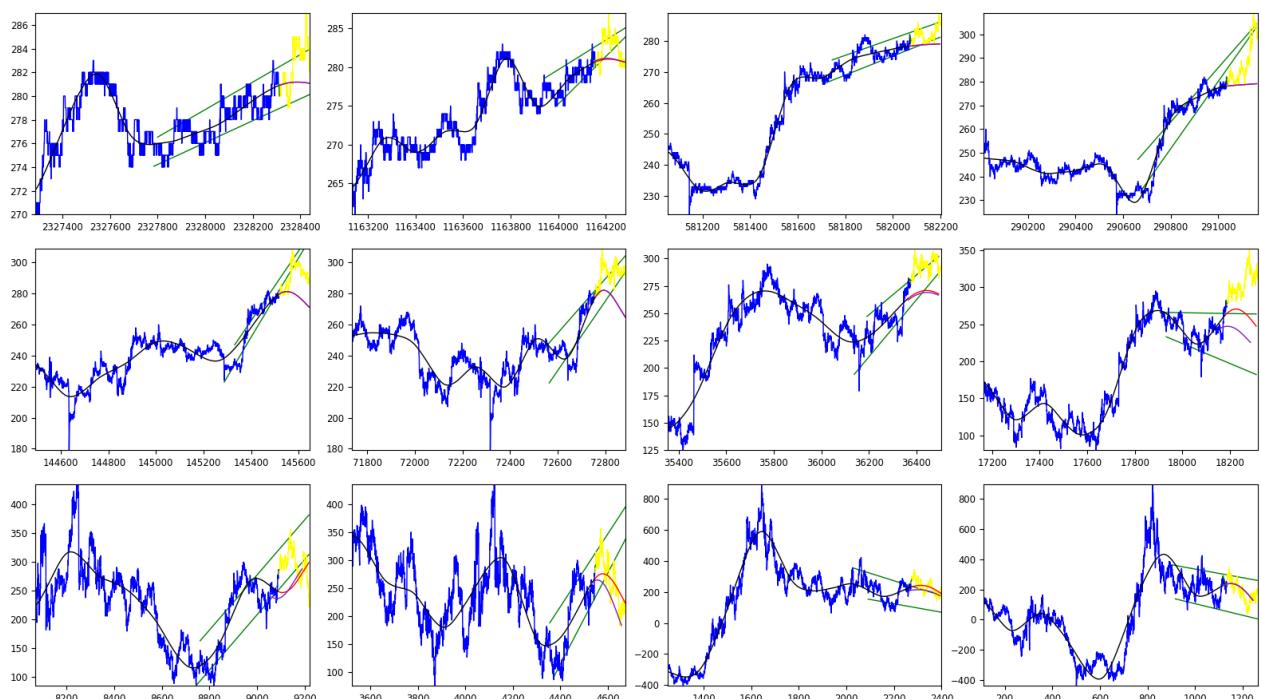


2328312: ptype: 4[0,1] 2[2,3] 6[4,5] 4[6] 6[7] 5[8] 6[9] 4[10,11]

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

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

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



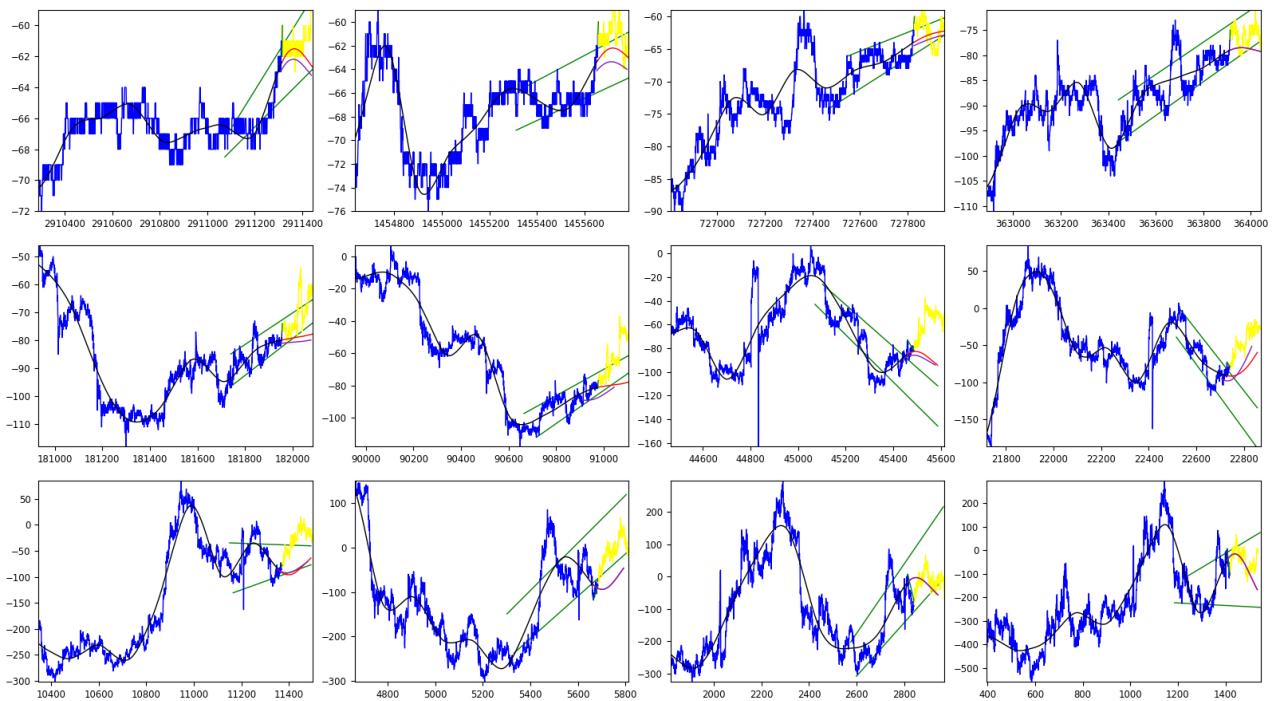
2.14 TA 2911316 2911510

2911316: ptype: 6[0,1] 2[2] 4[3] 2[4,5] 6[6] 5[7] 7[8,9] 6[10,11]

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

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

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

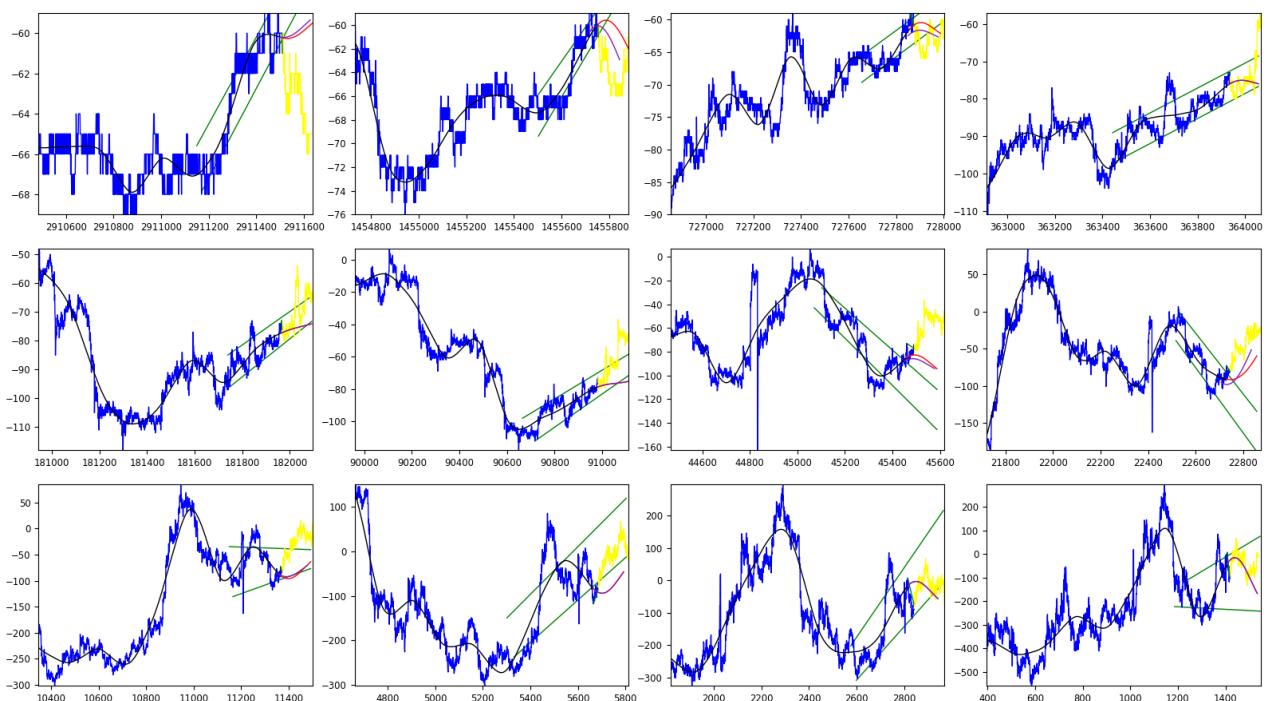


2911510: ptype: 5[0] 6[1,2] 4[3] 2[4,5] 6[6] 5[7] 7[8,9] 6[10,11]

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

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

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



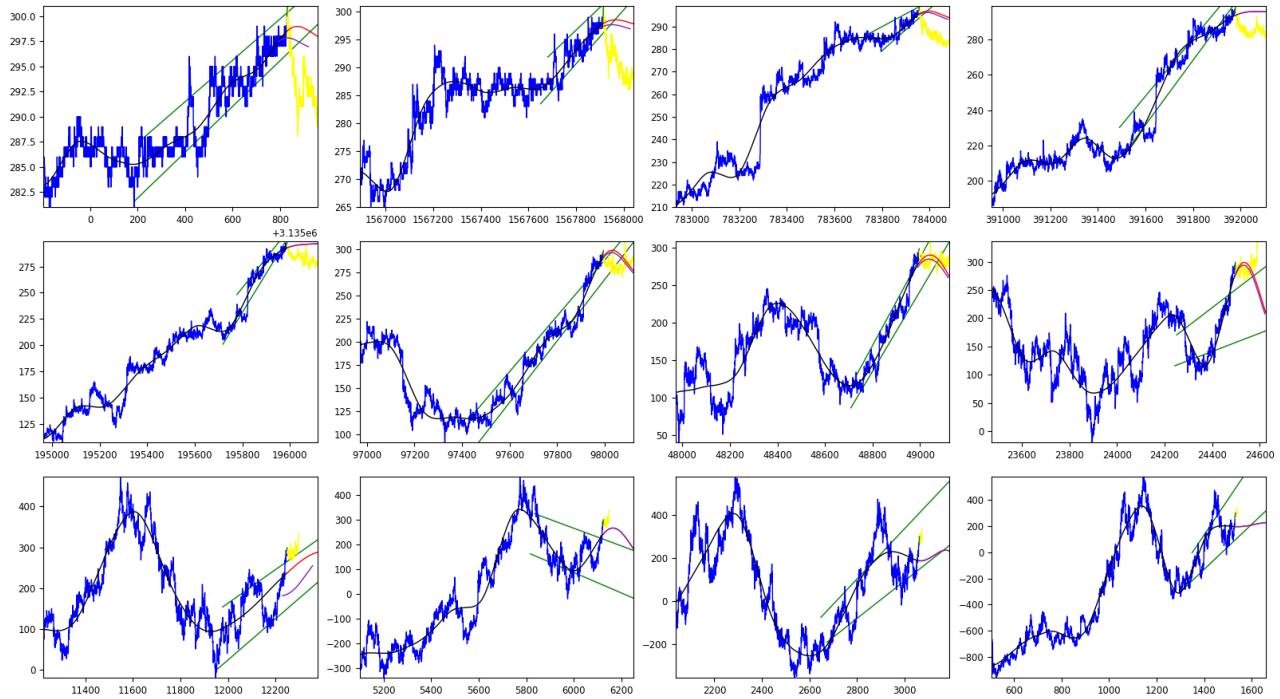
2.15 MA 3135830 3135869

3135830: ptype: 6[0] 4[1,2] 2[3,4] 6[5,6,7] 2[8] 6[9] 4[10] 2[11]

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

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

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



3135869: ptype: 5[0] 3[1] 4[2,3] 2[4] 6[5,6,7] 2[8] 6[9] 4[10] 2[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] 0[10,11]

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



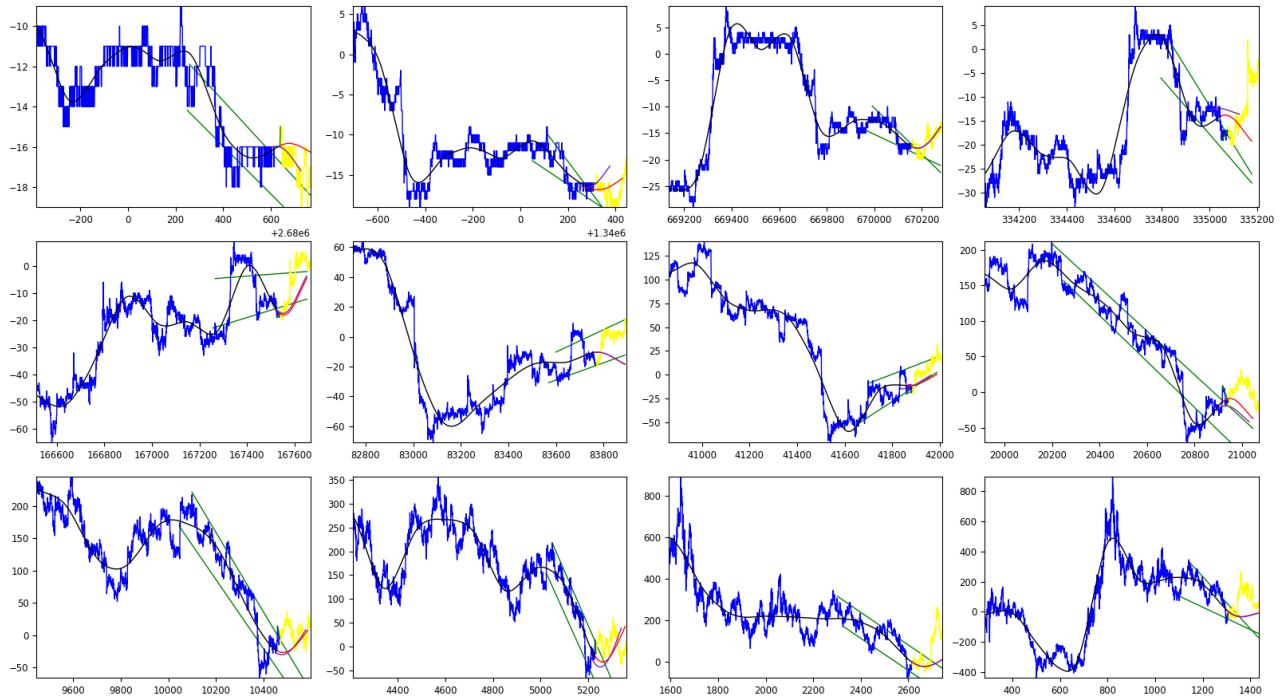
2.16 m9 2680641 2680700

2680641: ptype: 4[0] 5[1] 7[2] 4[3] 7[4] 3[5] 2[6] 6[7] 5[8] 7[9] 5[10,11]

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

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

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

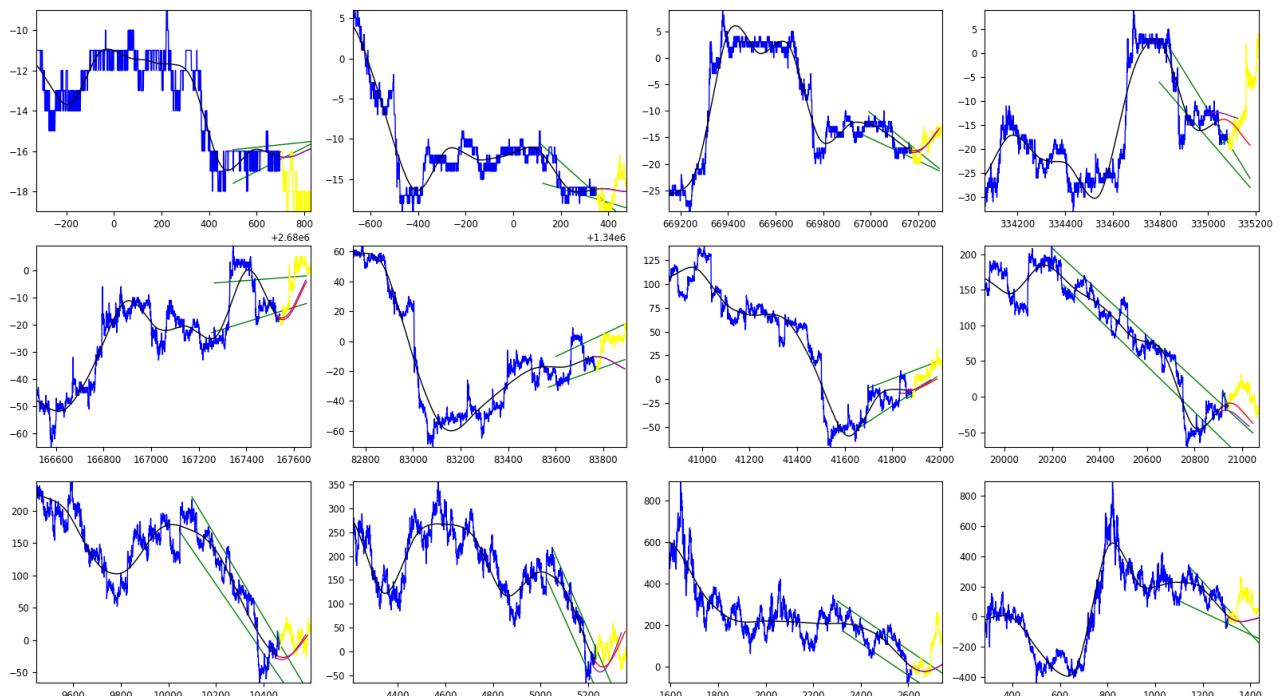


2680700: ptype: 5[0] 4[1] 5[2] 4[3] 7[4] 3[5] 2[6] 6[7] 5[8] 7[9] 5[10,11]

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

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

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



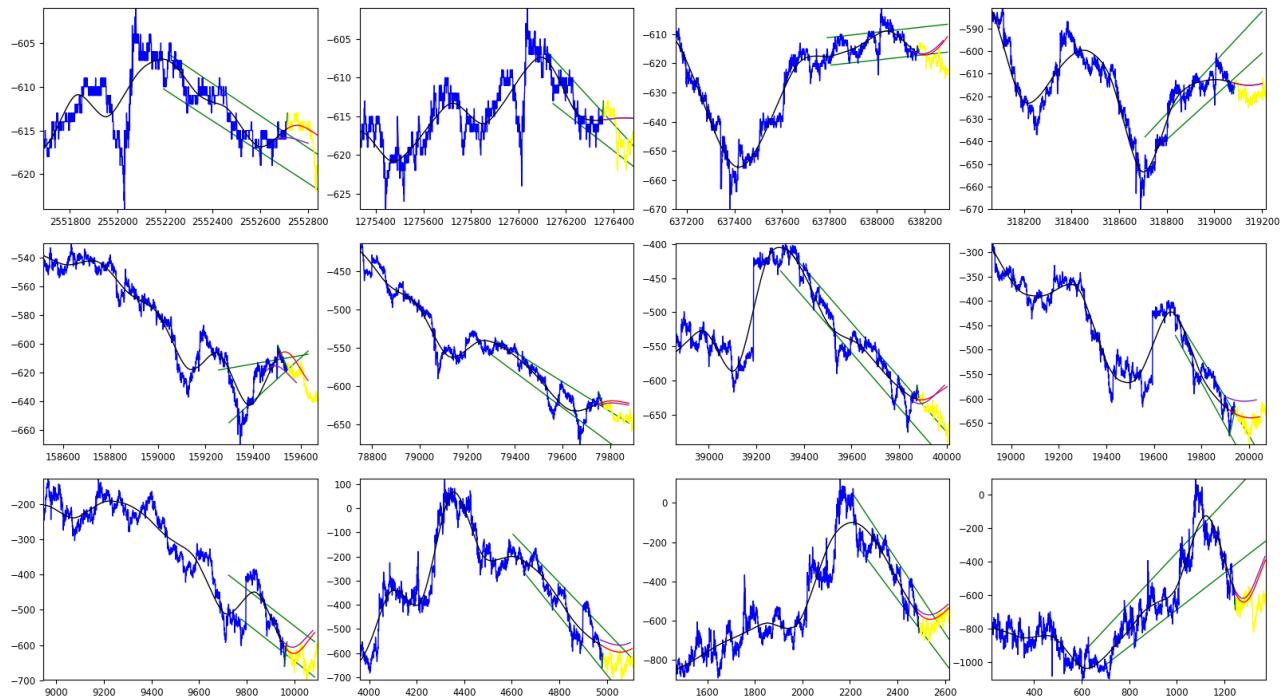
2.17 OI 2552714 2552823

2552714: ptype: 6[0] 2[1] 7[2] 5[3] 6[4] 4[5] 5[6,7] 7[8] 5[9] 7[10,11]

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[5,6,7] 0[8,9,10] -1[11]

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

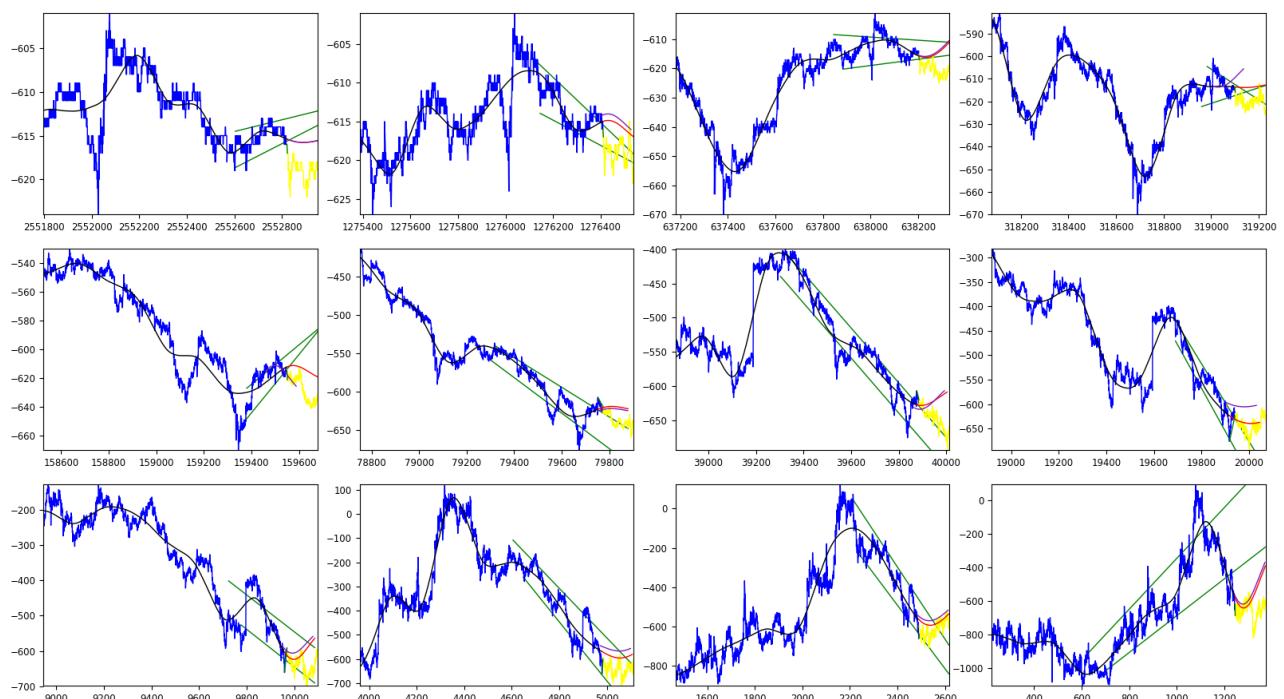


2552823: ptype: 5[0] 4[1] 5[2,3] 4[4,5] 5[6,7] 7[8] 5[9] 7[10,11]

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

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

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



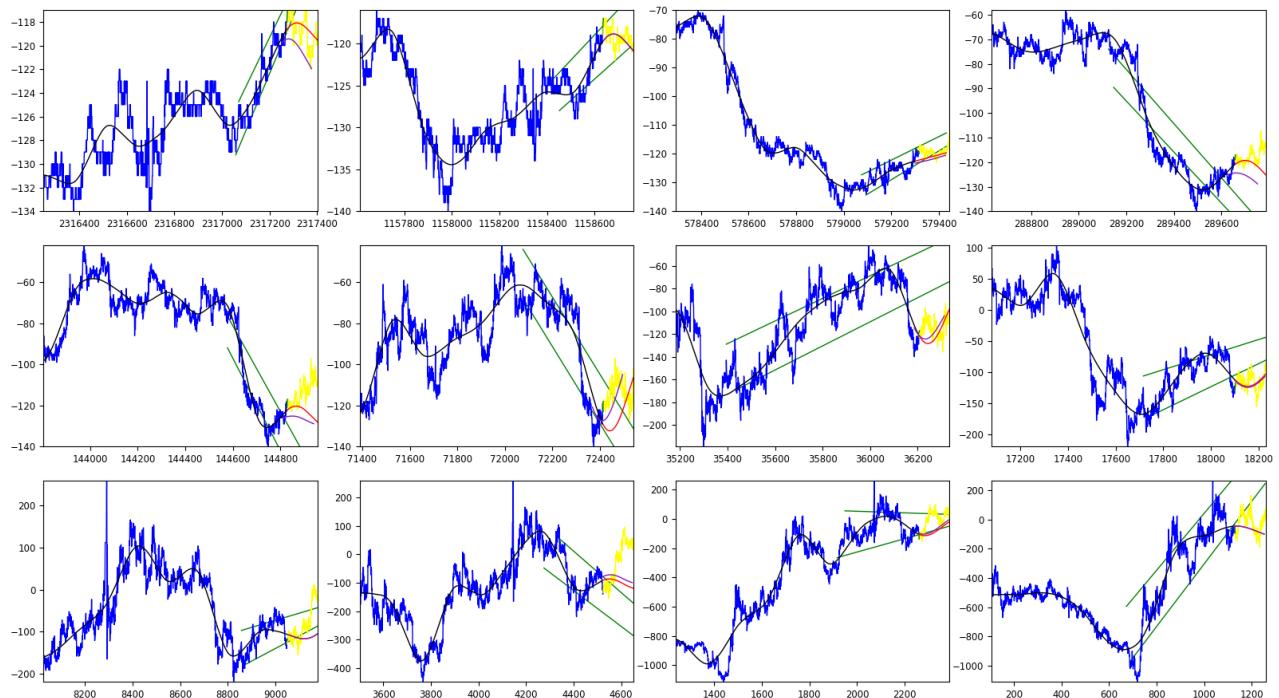
2.18 CF 2317275 2317360

2317275: ptype: 6[0,1] 2[2] 6[3,4] 7[5,6,7] 5[8] 4[9] 5[10] 3[11]

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

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

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

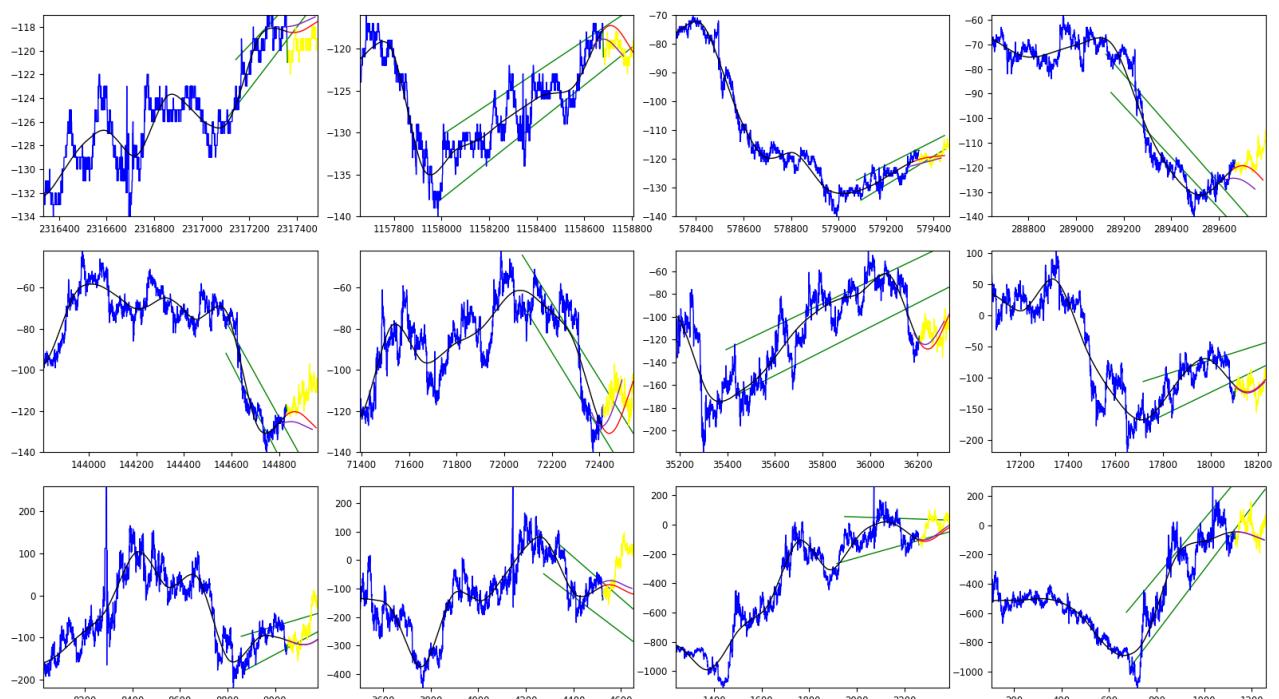


2317360: ptype: 5[0] 6[1] 2[2] 6[3,4] 7[5,6,7] 5[8] 4[9] 5[10] 3[11]

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

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

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



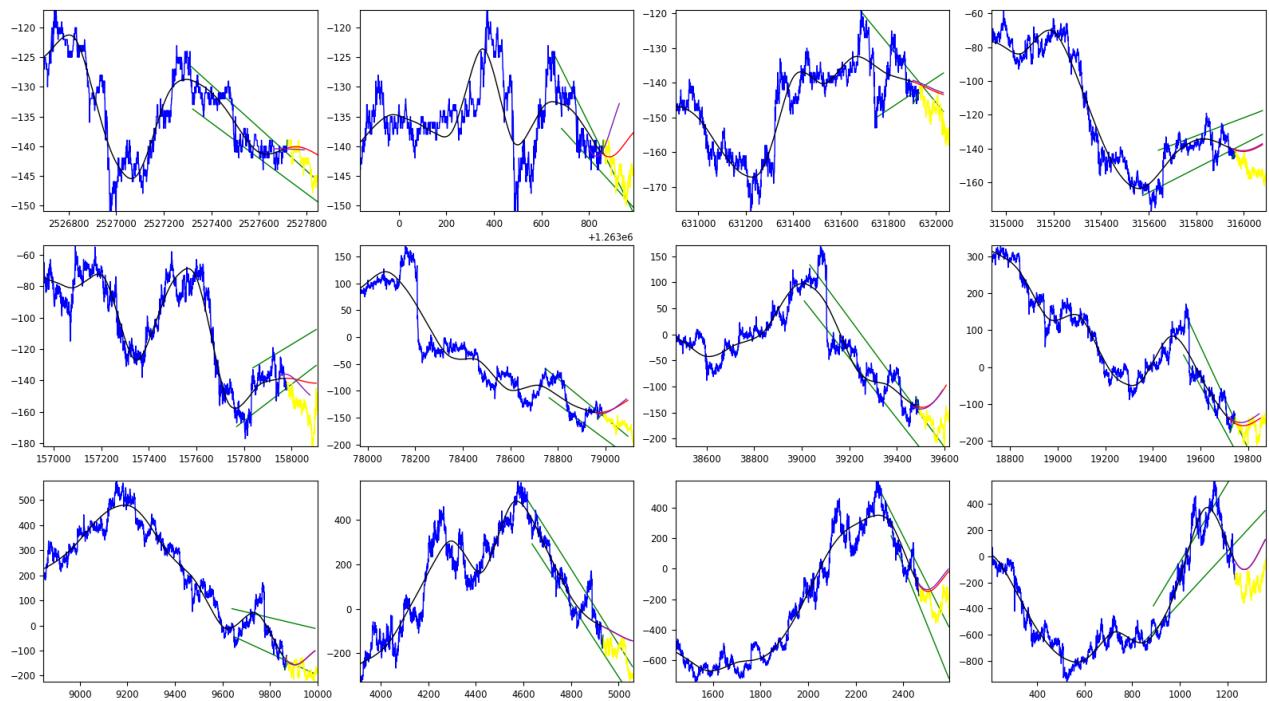
2.19 MA 2527720 2527800

2527720: ptype: 4[0] 7[1] 3[2] 5[3] 3[4] 2[5] 5[6] 7[7,8] 3[9] 7[10,11]

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

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

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

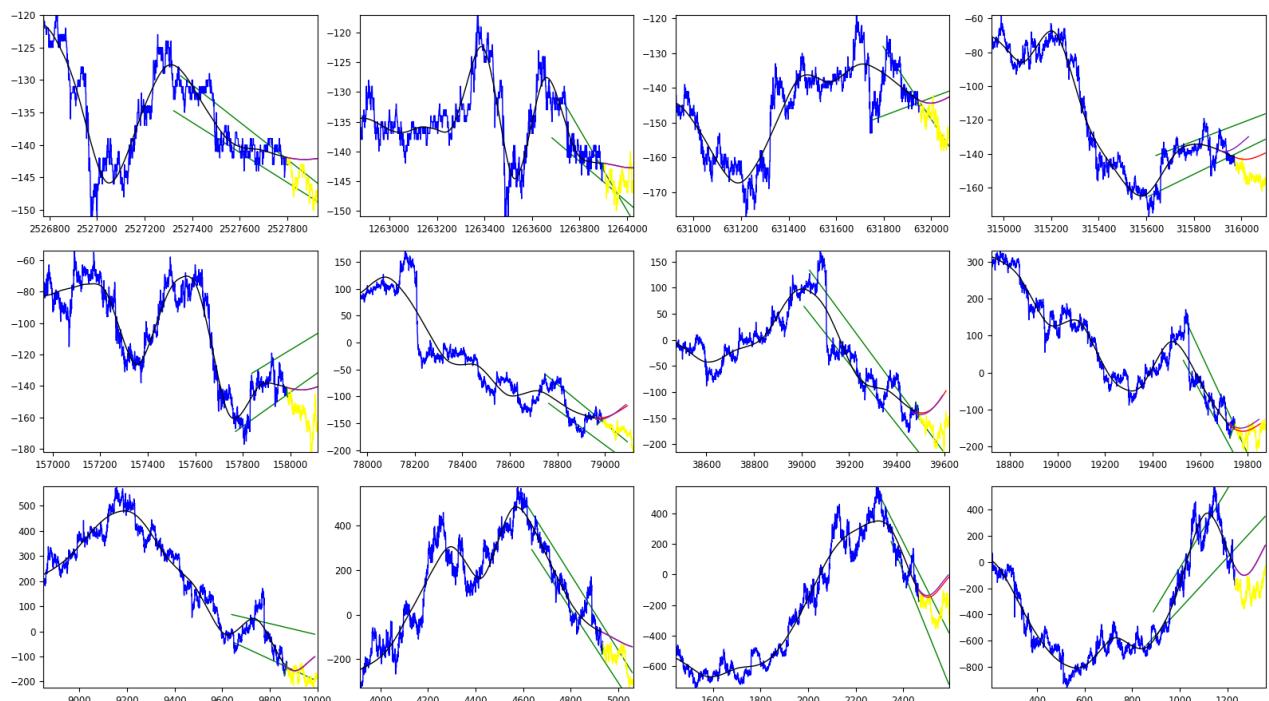


2527800: ptype: 5[0] 3[1] 5[2,3,4] 2[5] 5[6] 7[7,8] 3[9] 7[10,11]

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

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

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



2.20 ag 2767716 2767824

2767716: ptype: 5[0] 6[1] 4[2,3] 5[4] 3[5] 5[6,7] 3[8] 4[9,10] 5[11]

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

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

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



2767824: ptype: 4[0,1,2,3] 5[4] 6[5] 5[6,7] 3[8] 4[9,10] 5[11]

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

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

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

