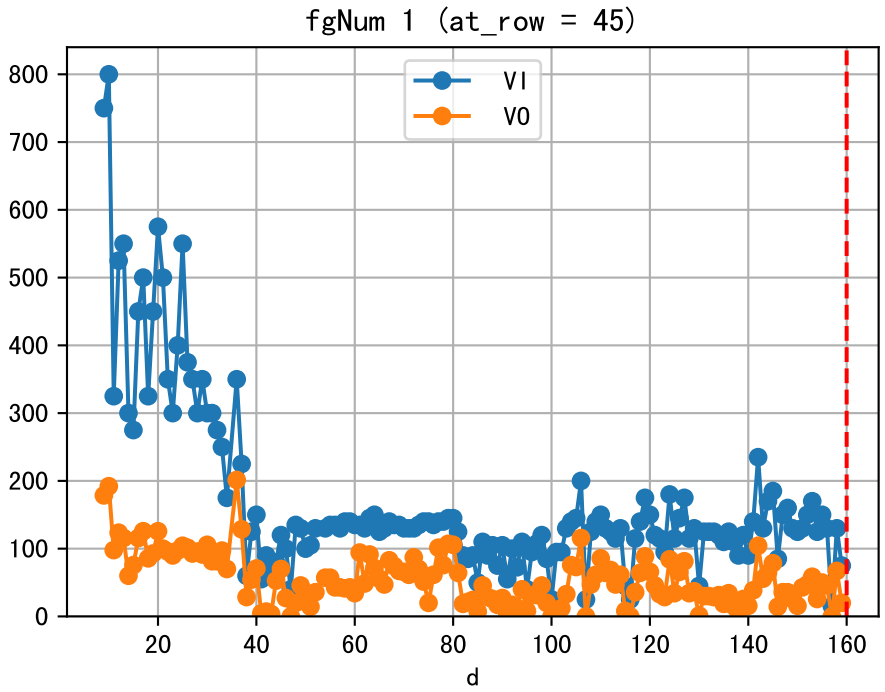
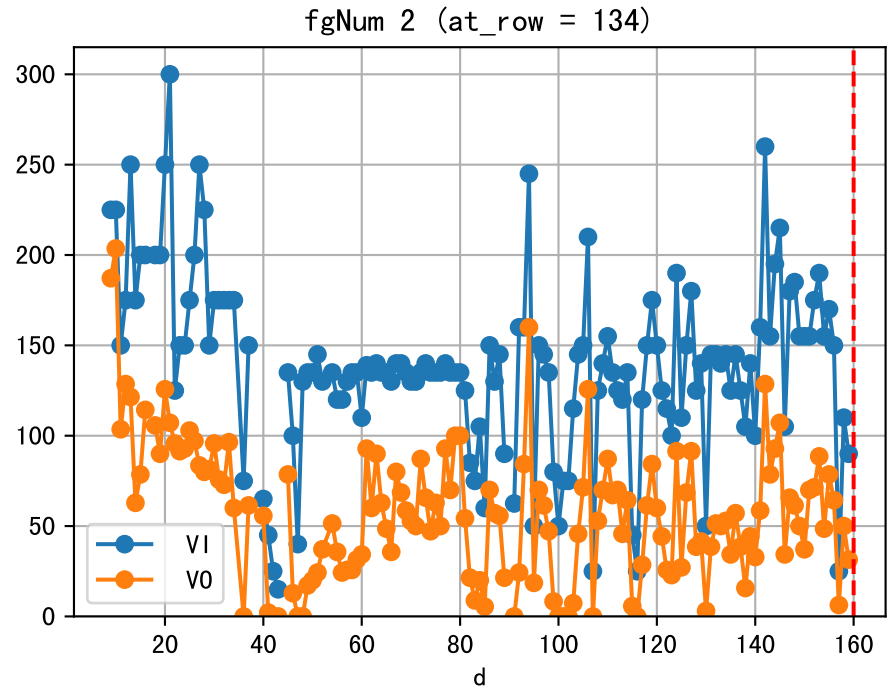
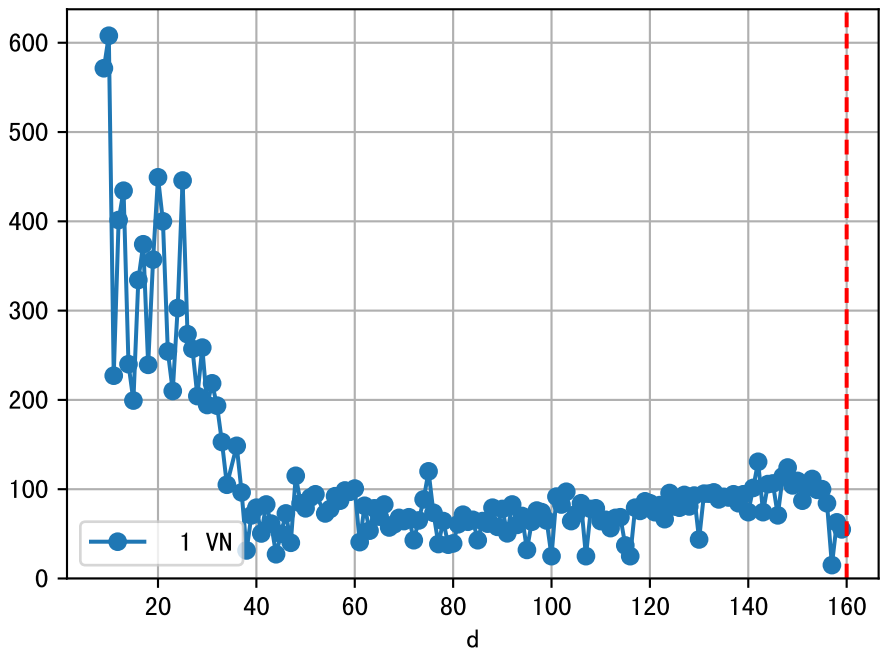
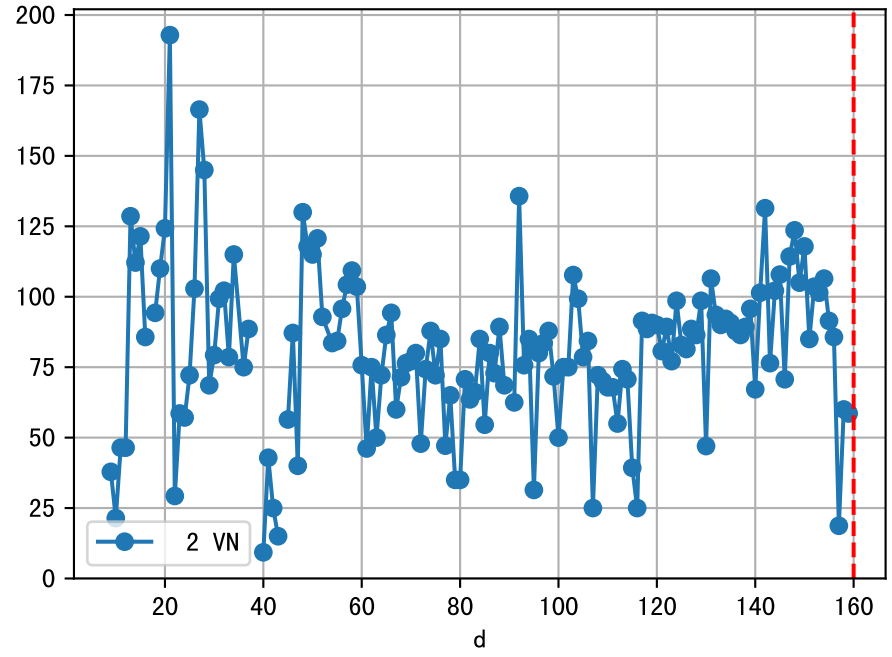
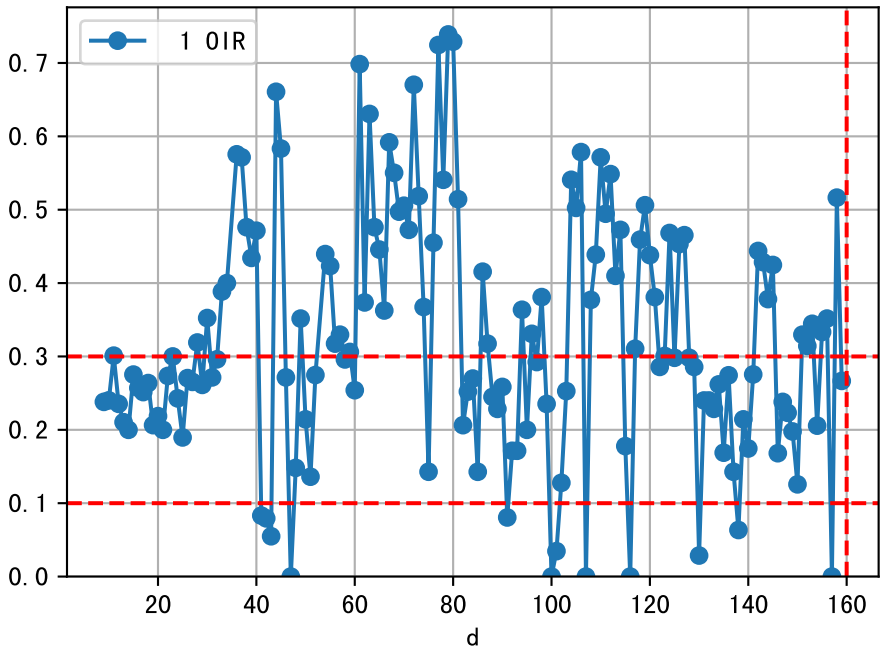
FgArea: ['0']
NC11 P2
2026-03-03 (Day 160)

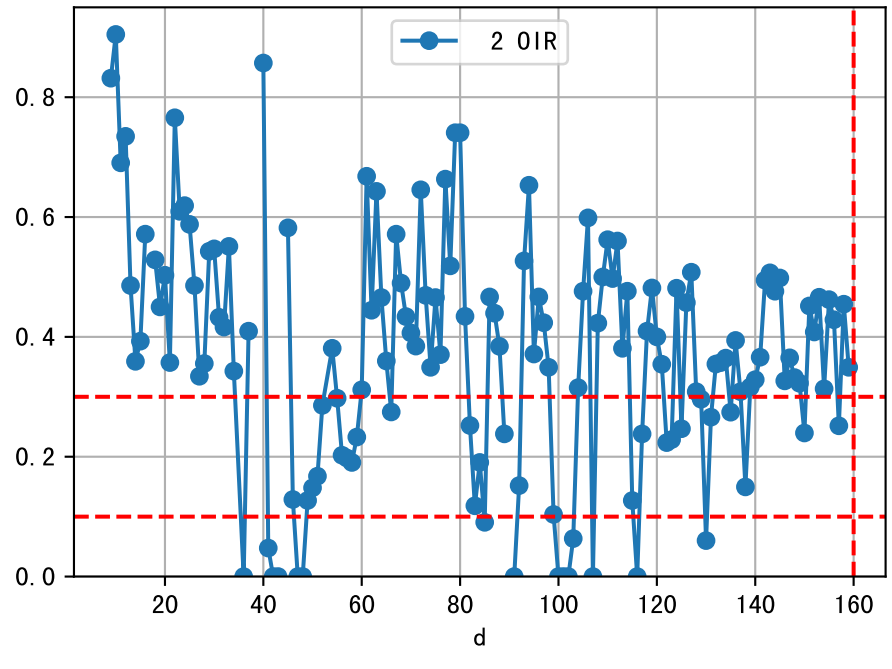

fgNum 1 (at_row = 45)
VI
VO
d

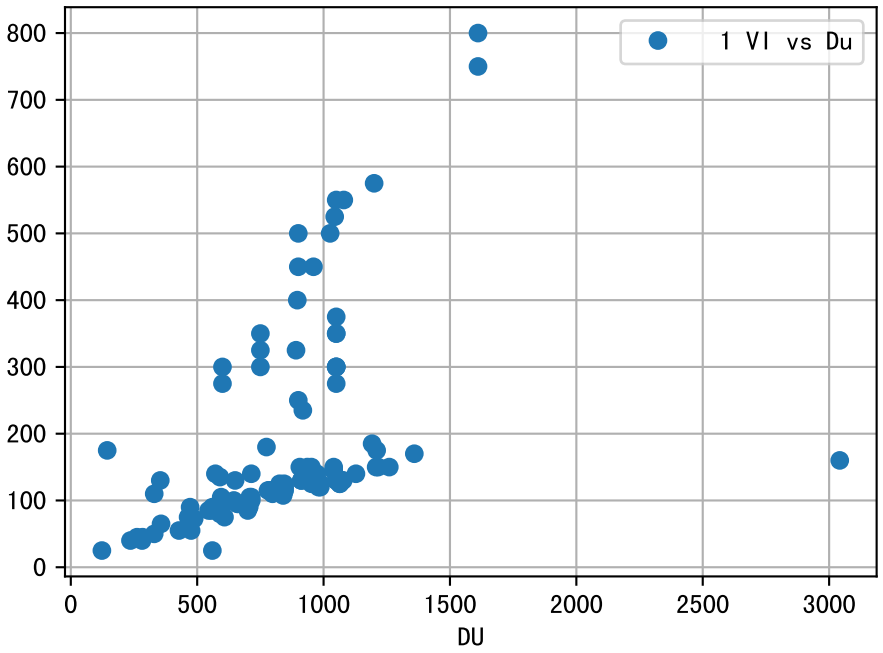

fgNum 2 (at_row = 134)
VI
VO
d

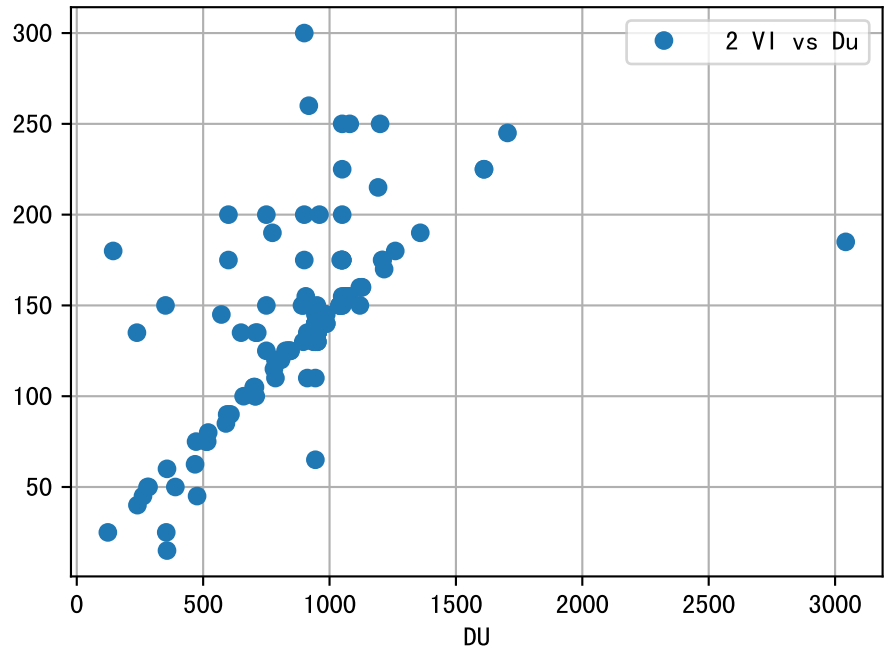

1 VN
d

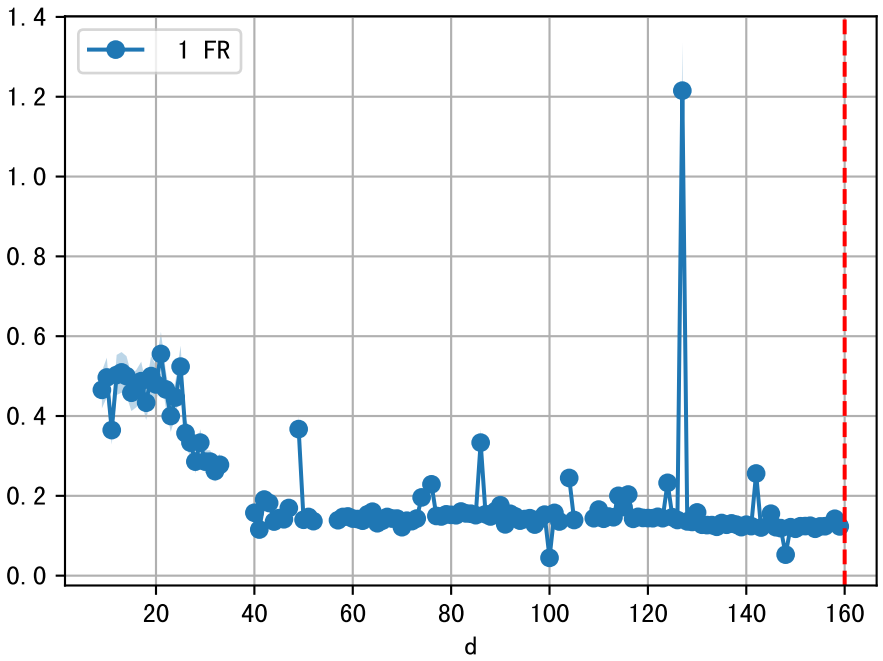

2 VN
d

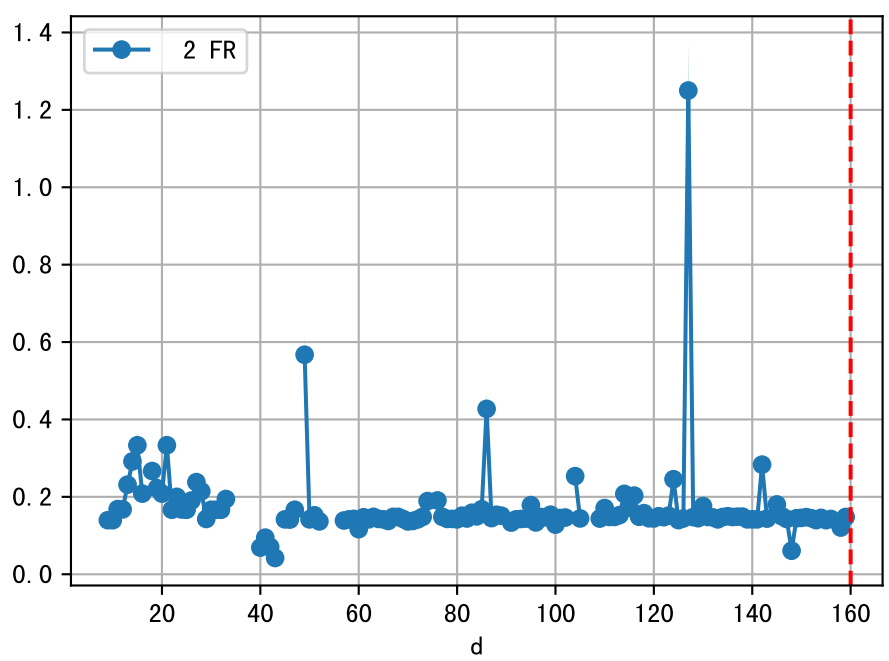

1 OIR
d

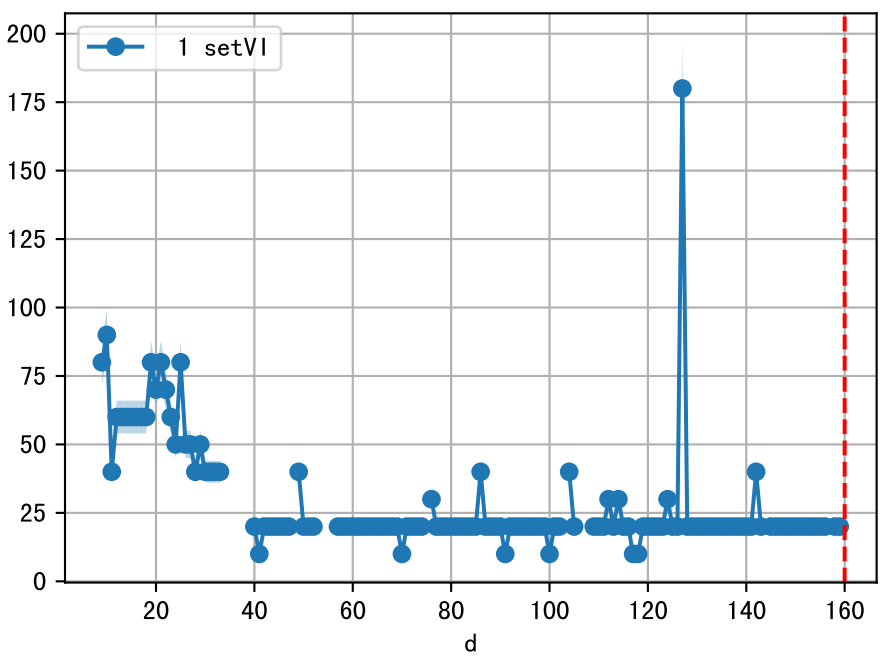

2 OIR
d

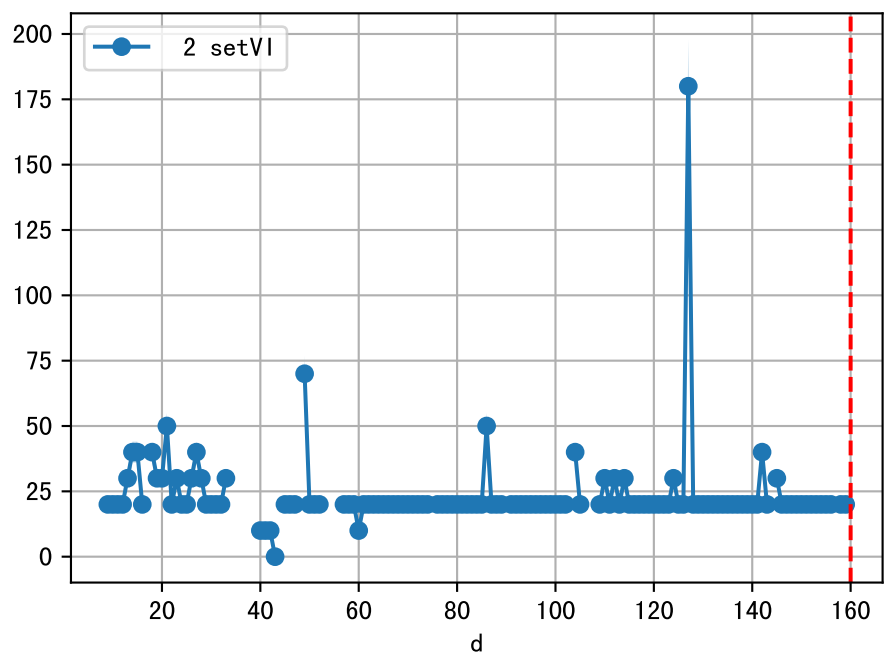

1 VI vs Du
DU

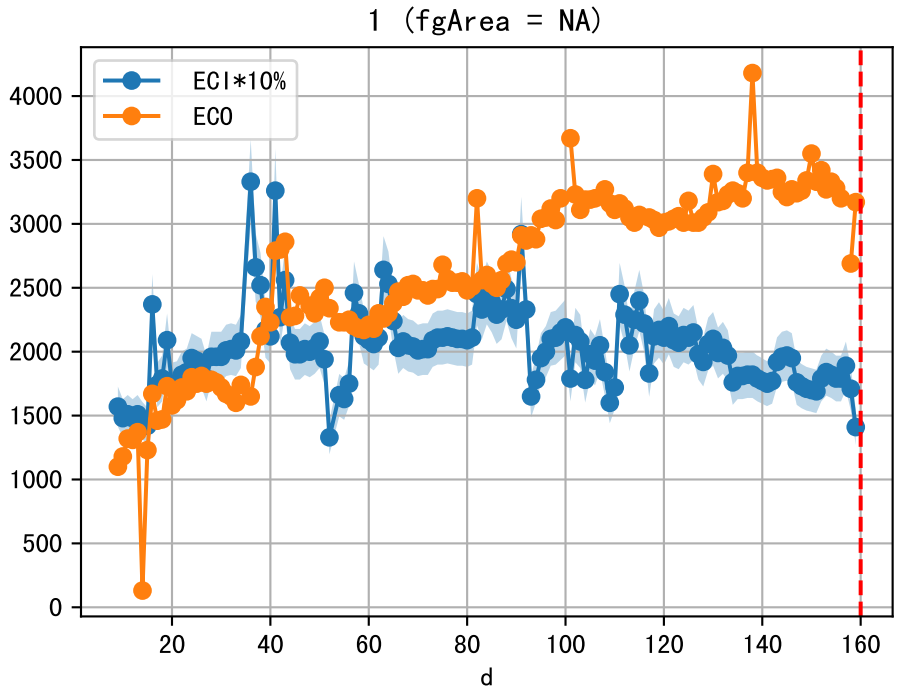

2 VI vs Du
DU

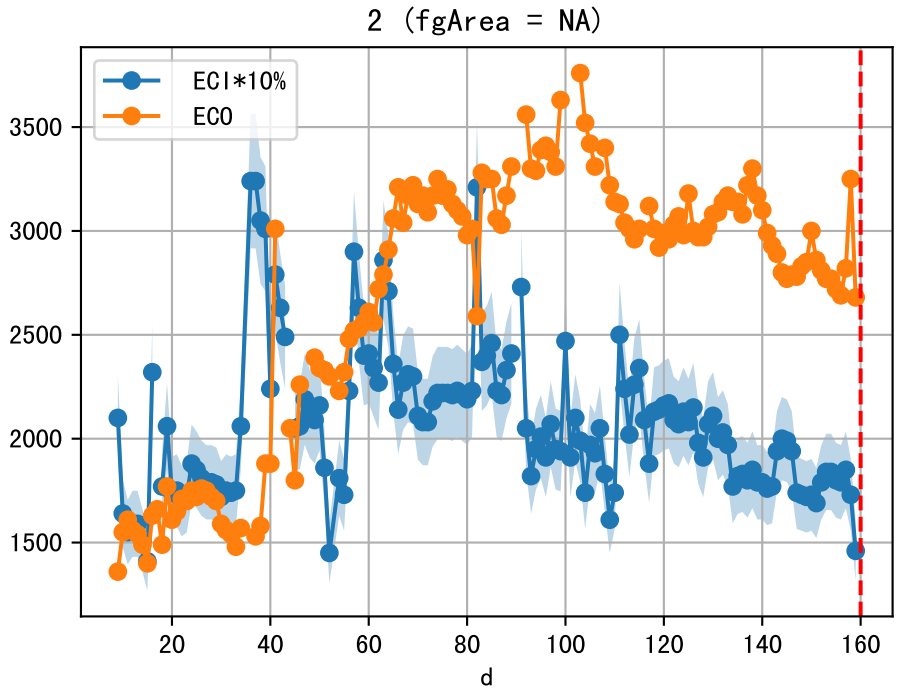

1 FR
d

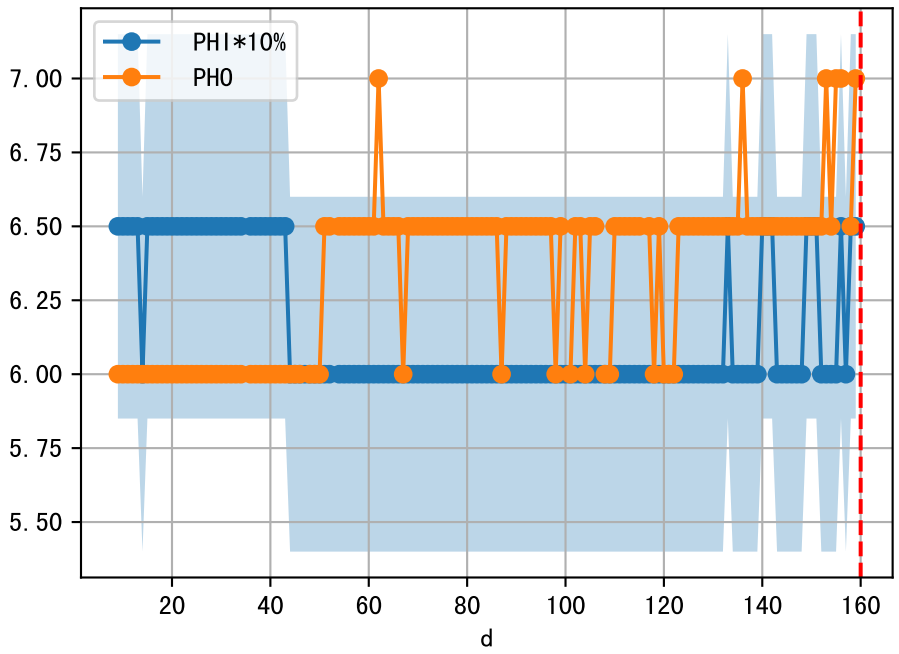

2 FR
d

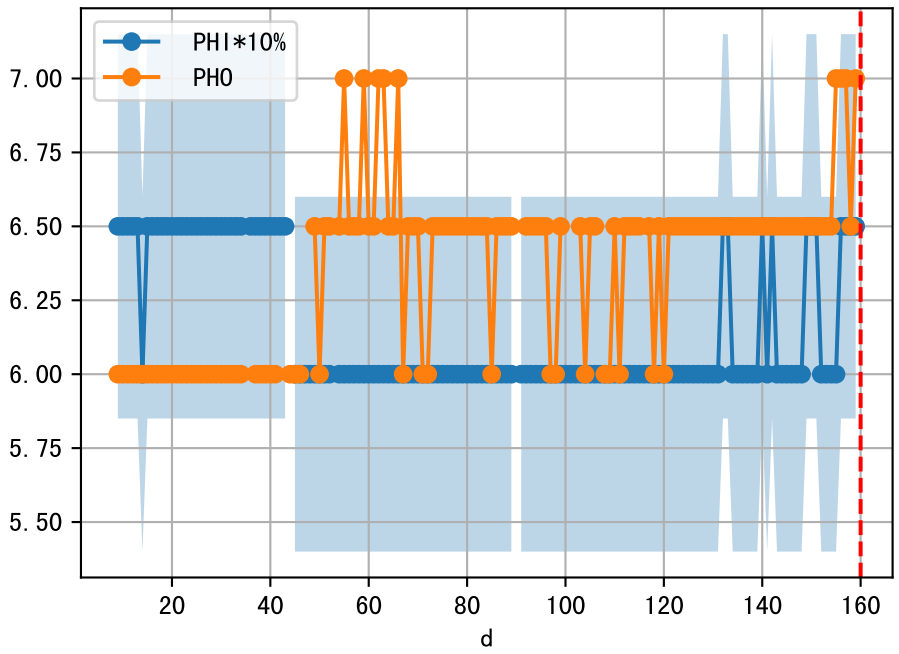

1 setVI
d

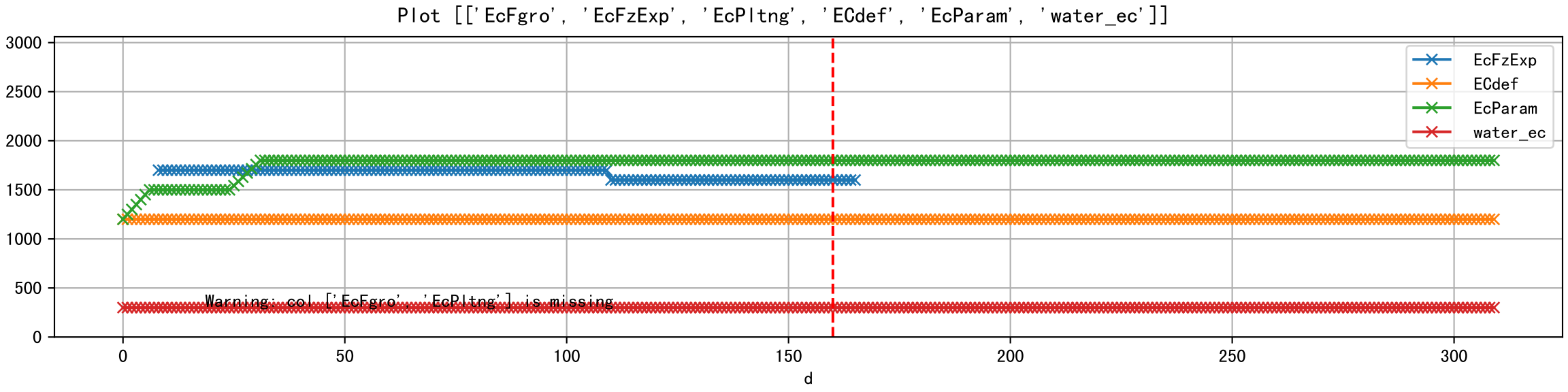

2 setVI
d

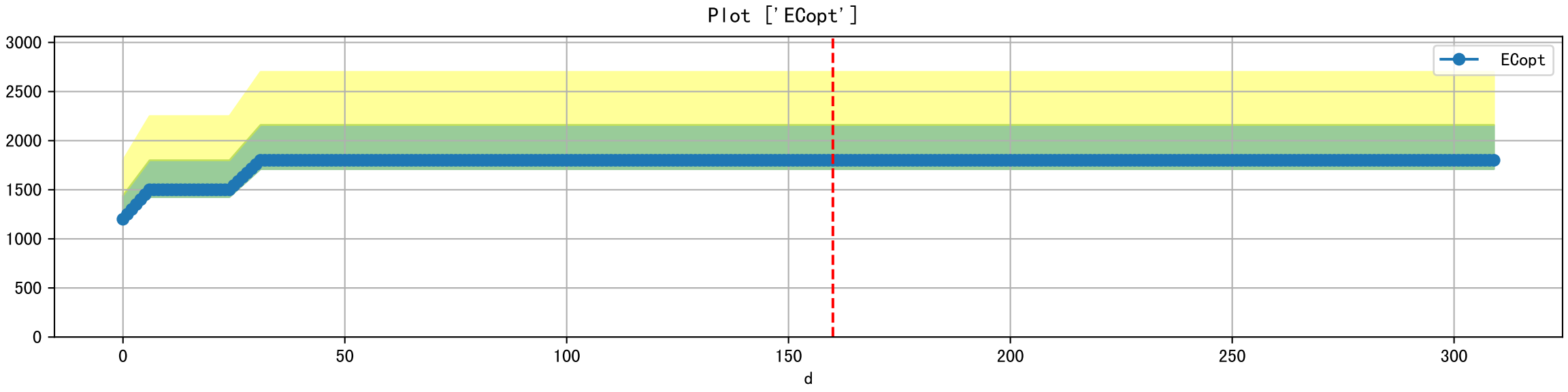

1 (fgArea = NA)
ECI*10%
ECO
4000
3500
3000
2500
2000
1500
1000
500
0
20
40
60
80
100
120
140
160
d

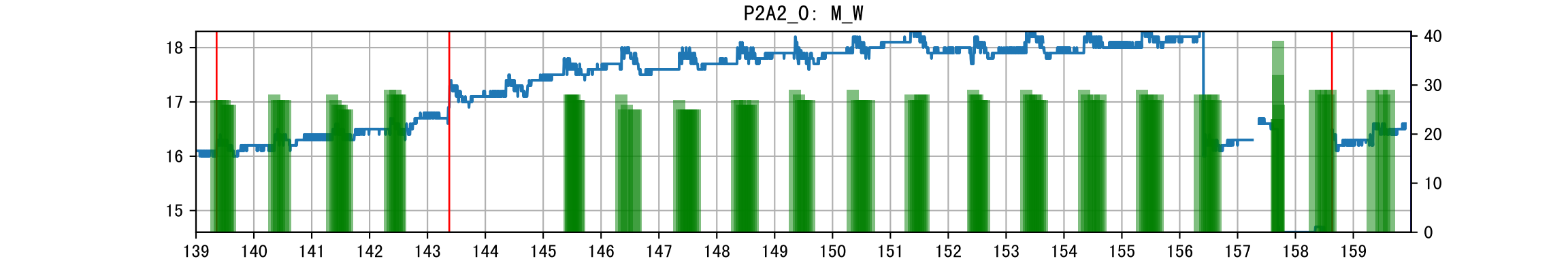

2 (fgArea = NA)
ECI*10%
ECO
3500
3000
2500
2000
1500
20
40
60
80
100
120
140
160
d


PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
140
160
d

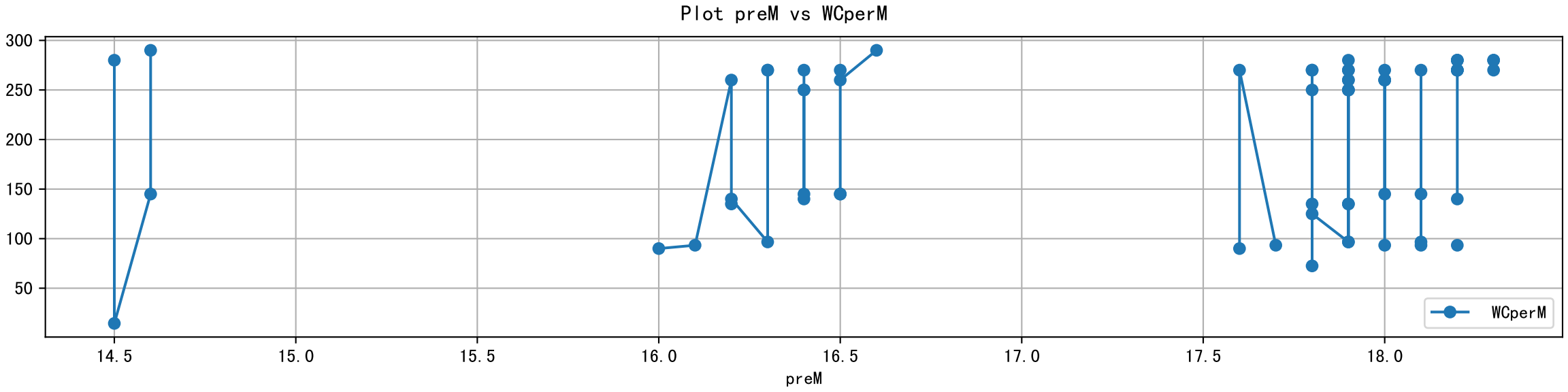

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
140
160
d

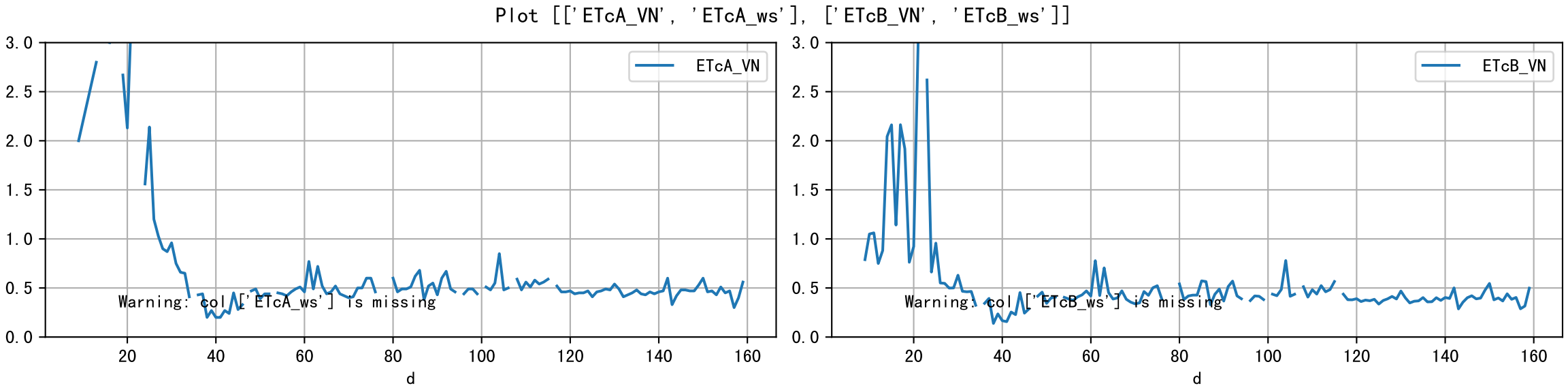

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

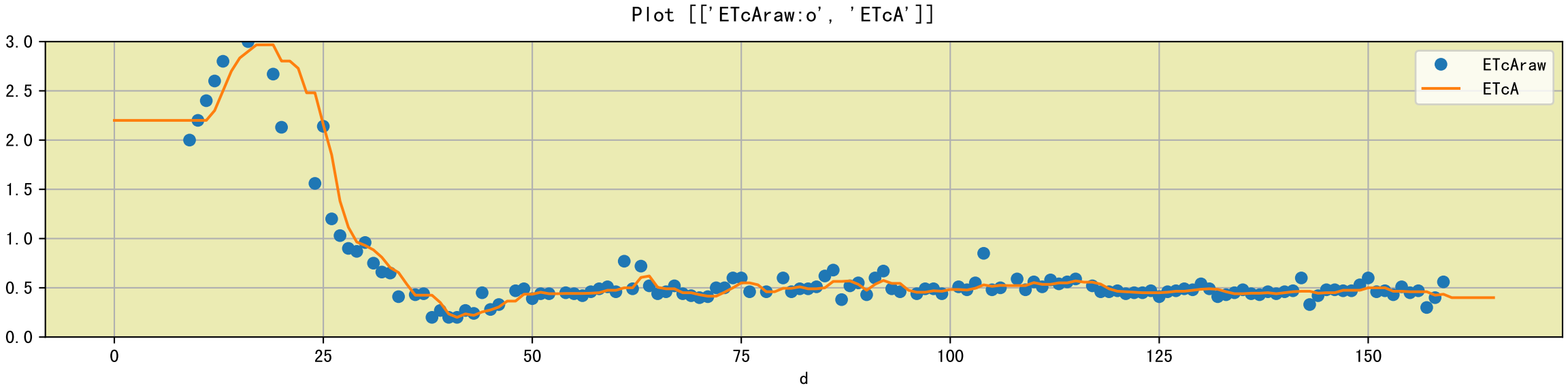

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

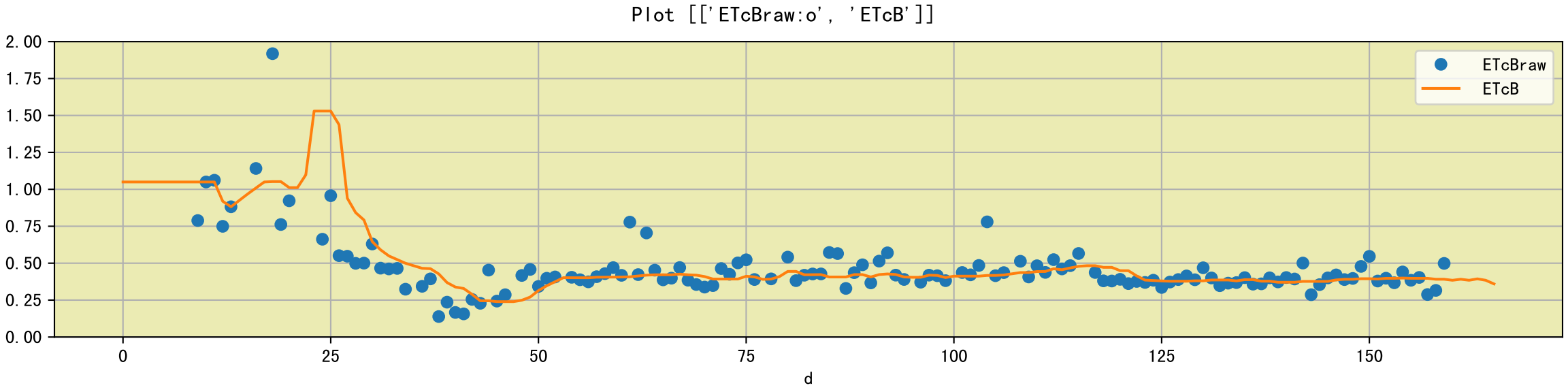

P2A2_O: M_W
18
17
16
15
40
30
20
10
0
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159

Plot Sensor and FgRec Data

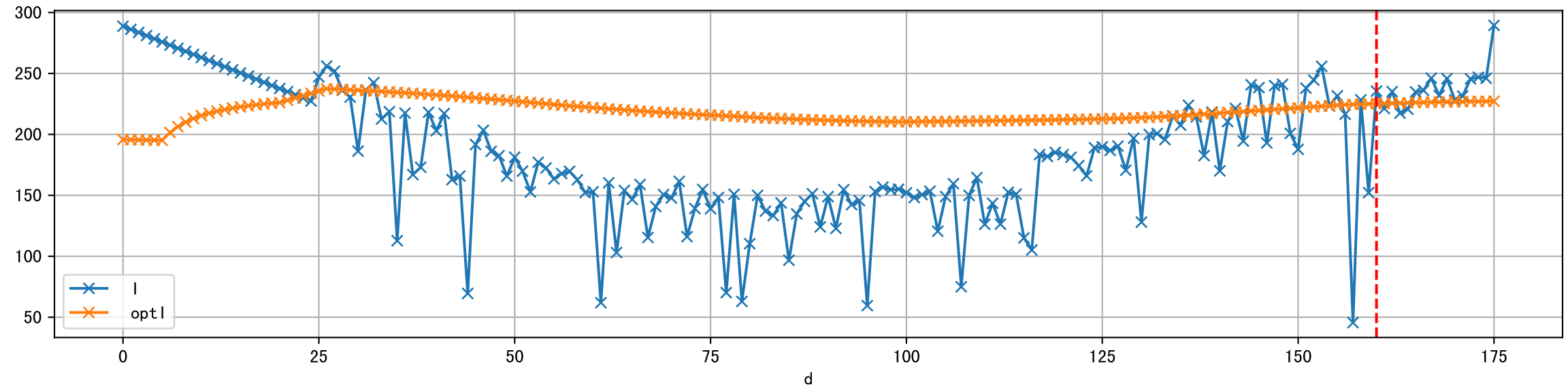

Plot preM vs WCperM
300
250
200
150
100
50
14.5
15.0
15.5
16.0
16.5
17.0
17.5
18.0
preM
WCperM

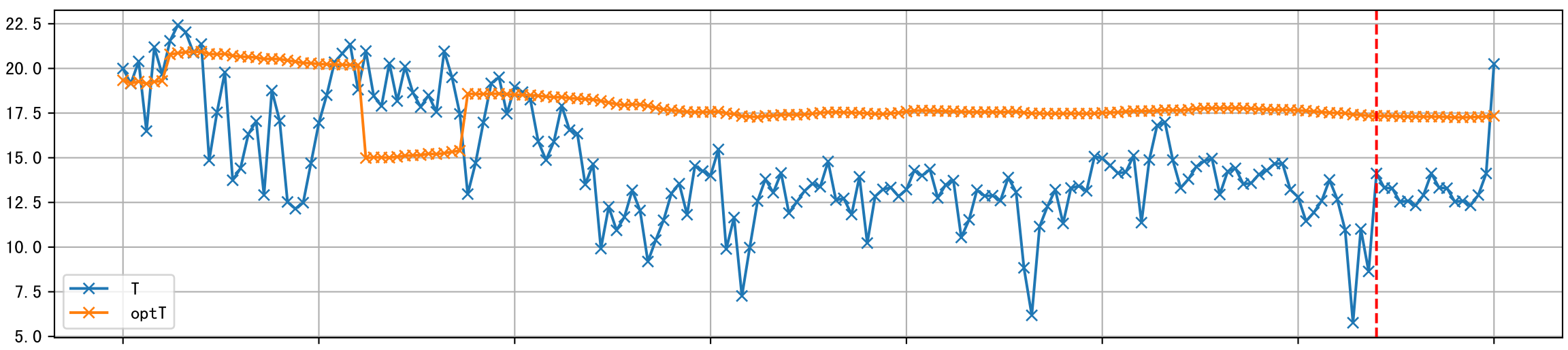

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

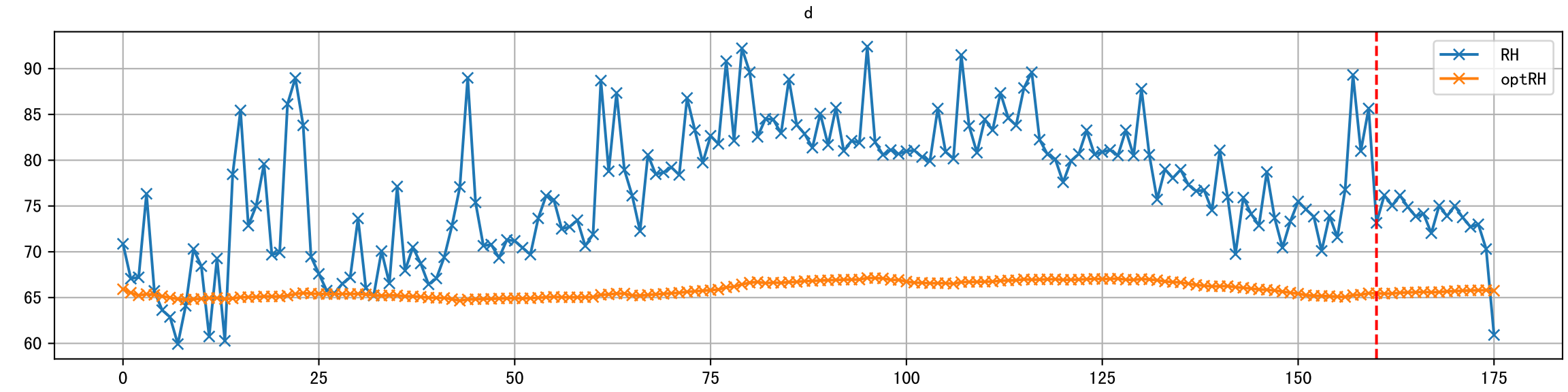

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
25
50
75
100
125
150
d
ETcAraw
ETcA

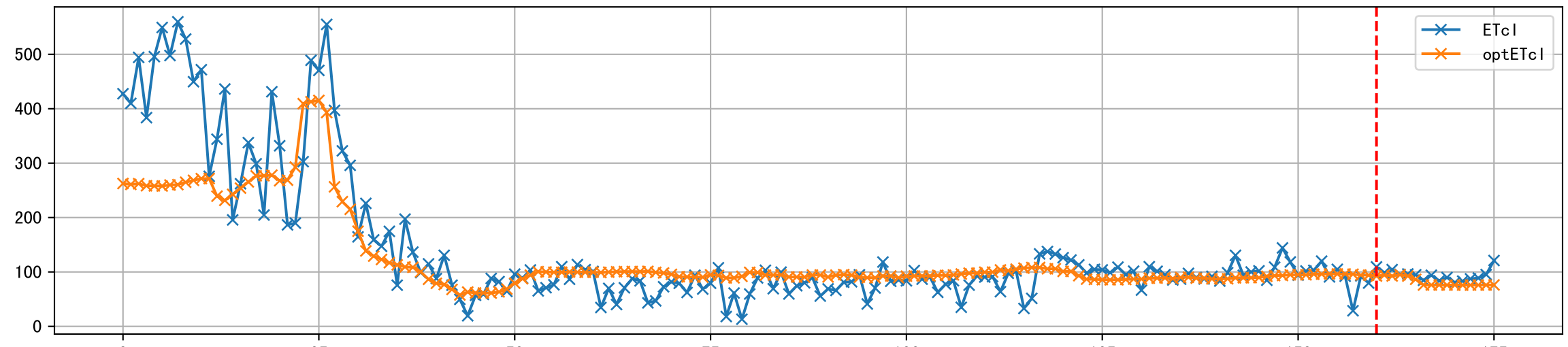

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
25
50
75
100
125
150
d
ETcBraw
ETcB

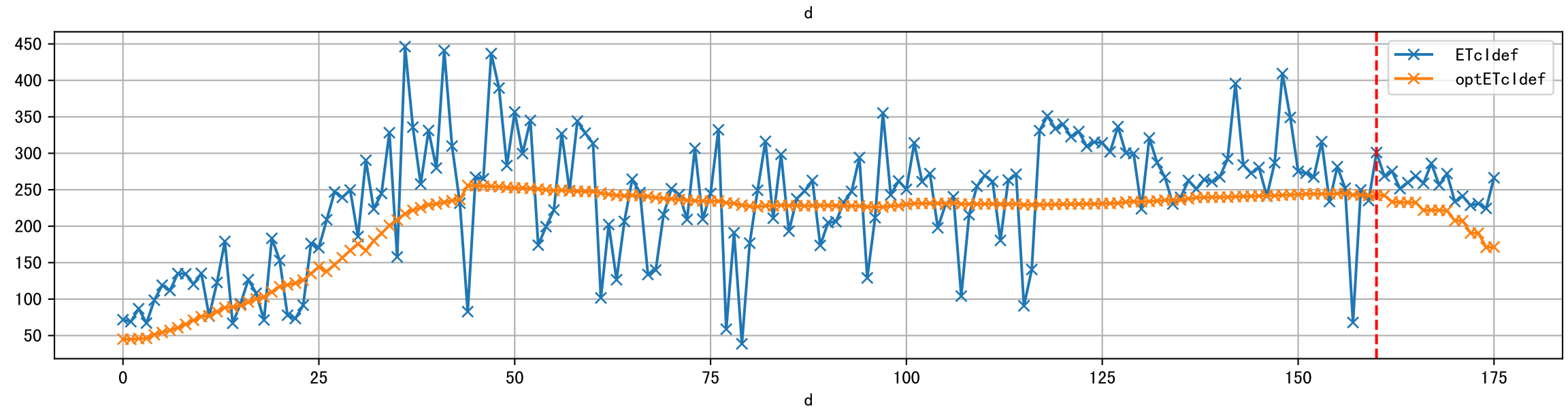
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

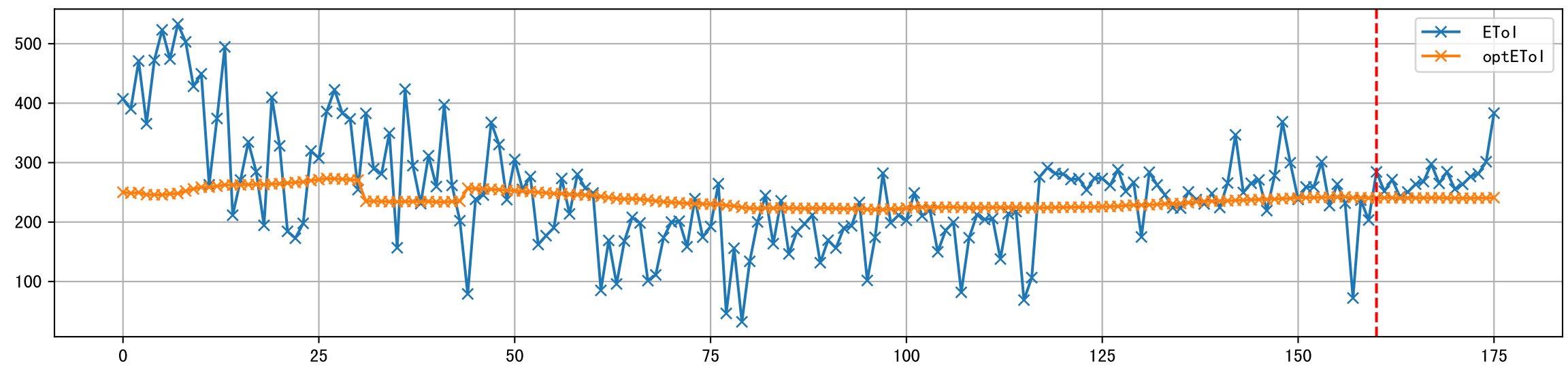


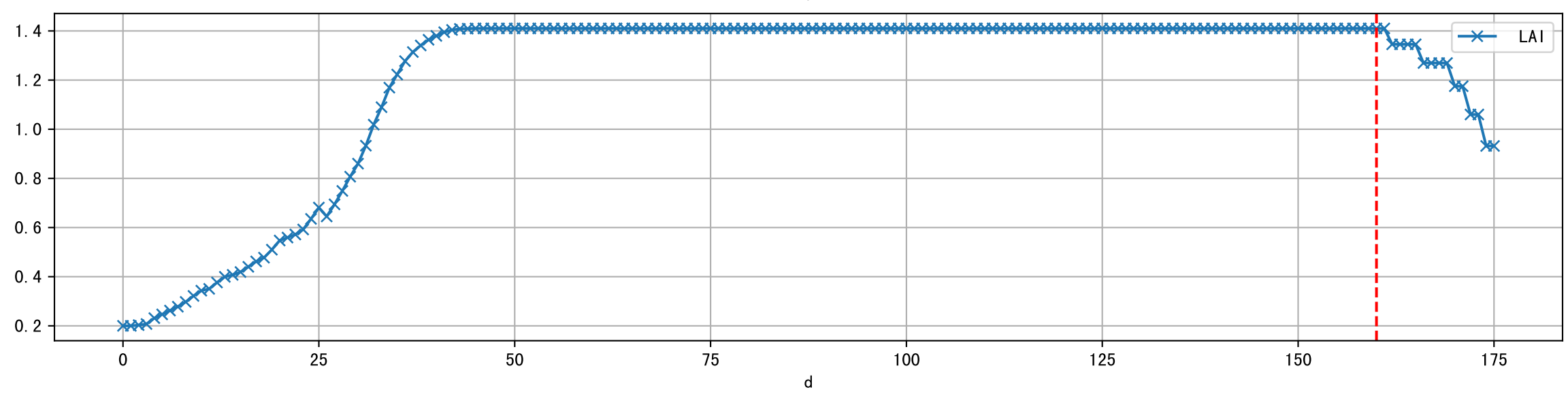


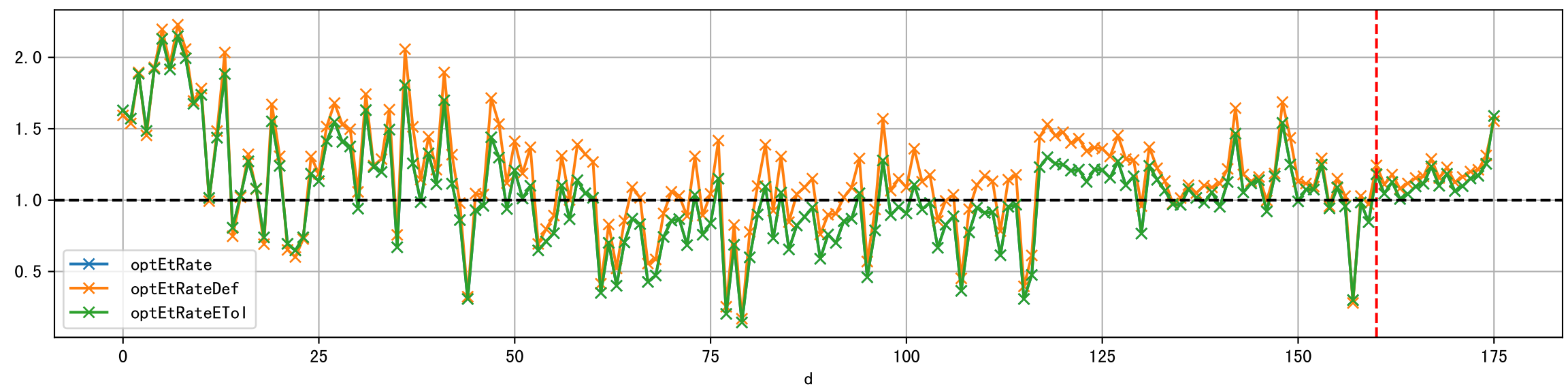


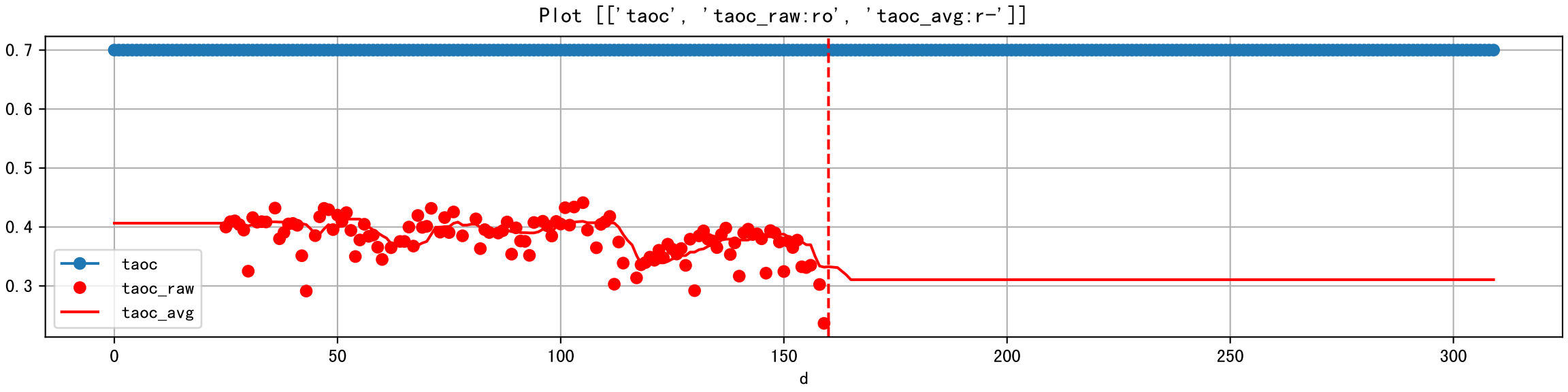


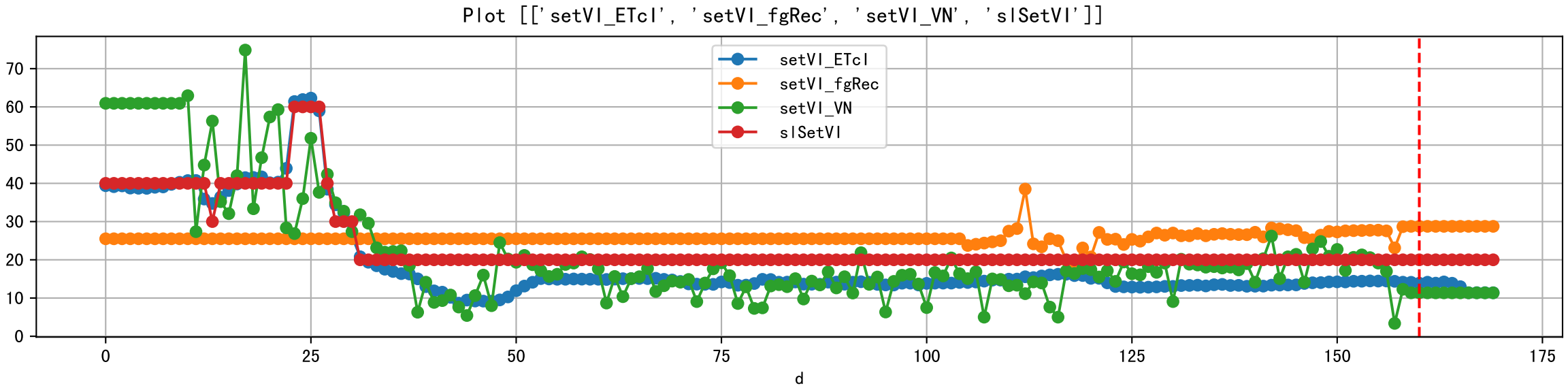


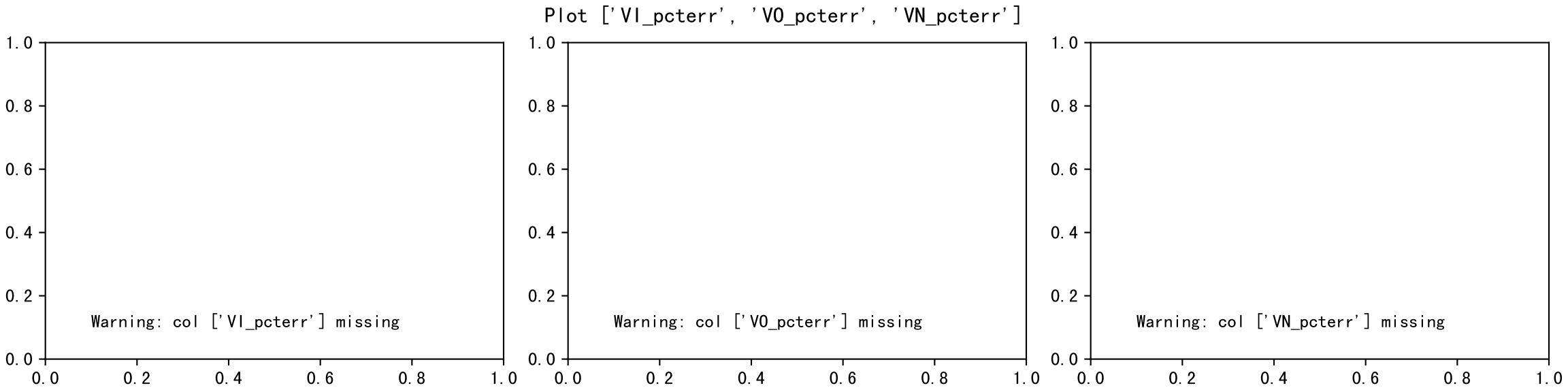


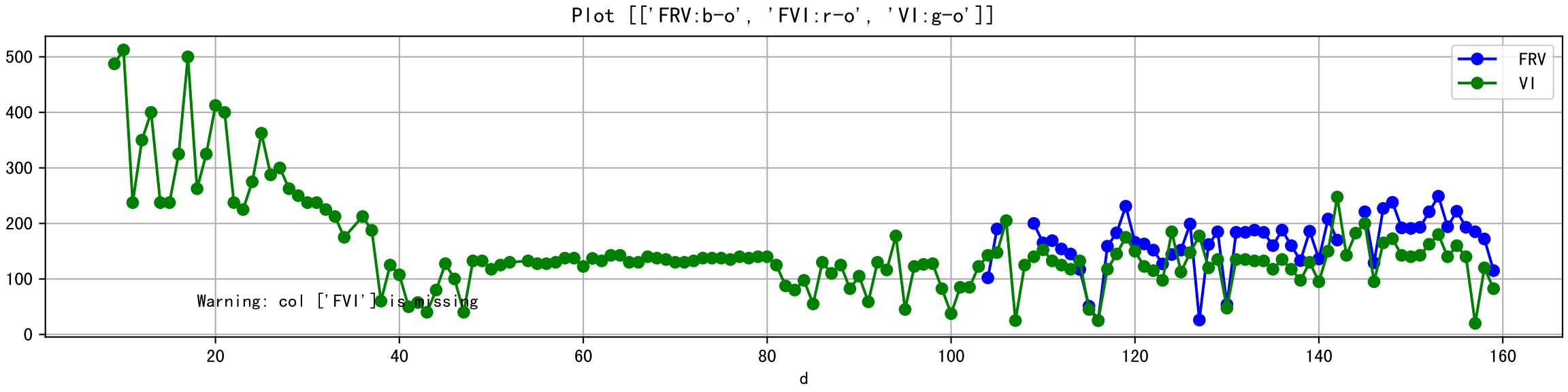


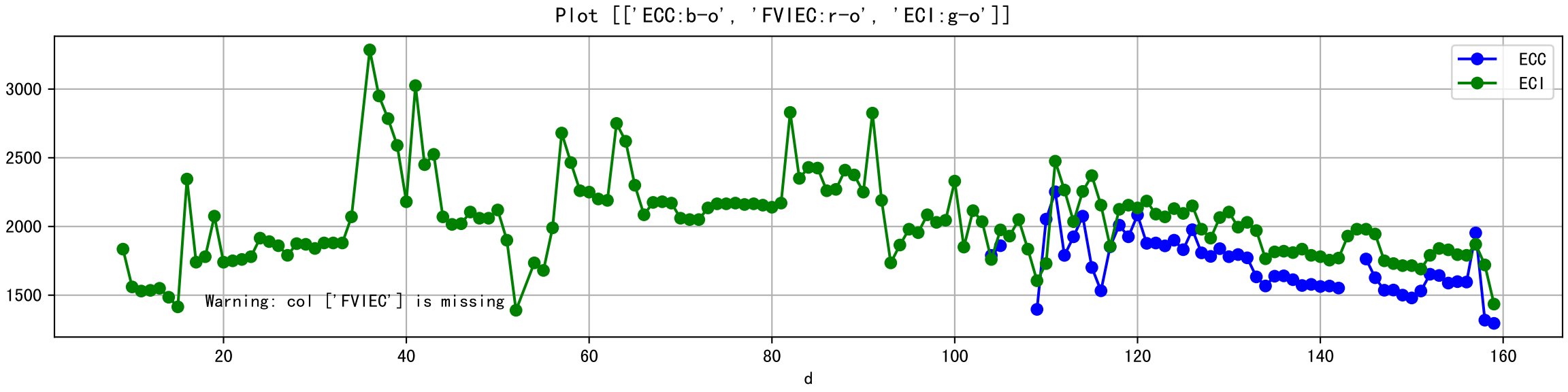


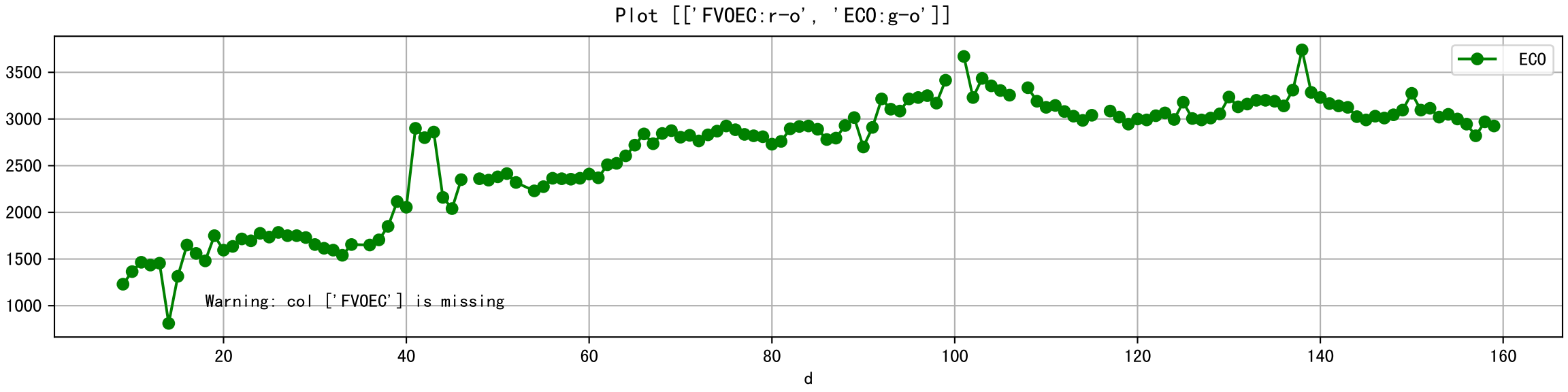

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
0.3
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

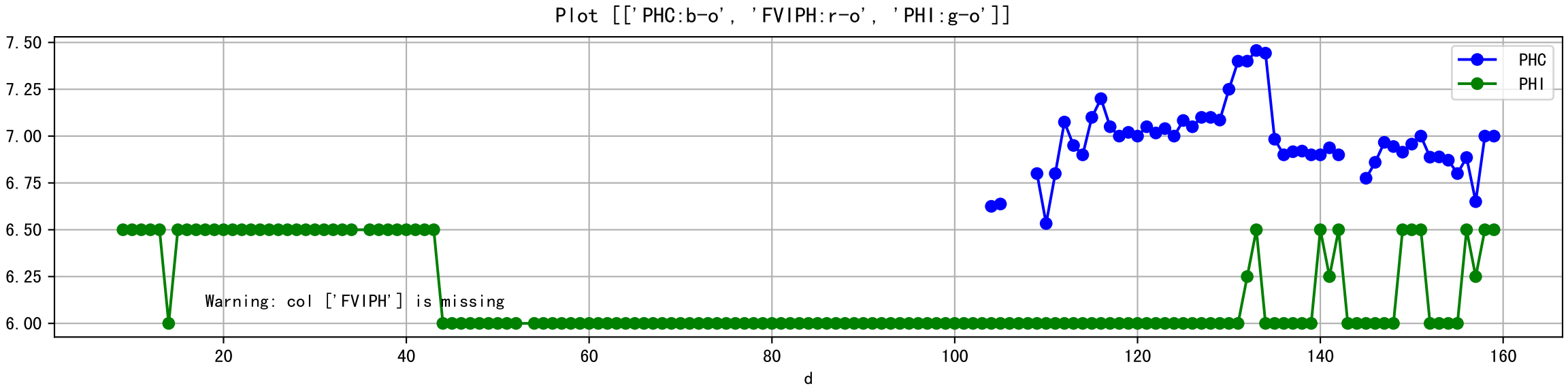

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
60
70
0
25
50
75
100
125
150
175
d

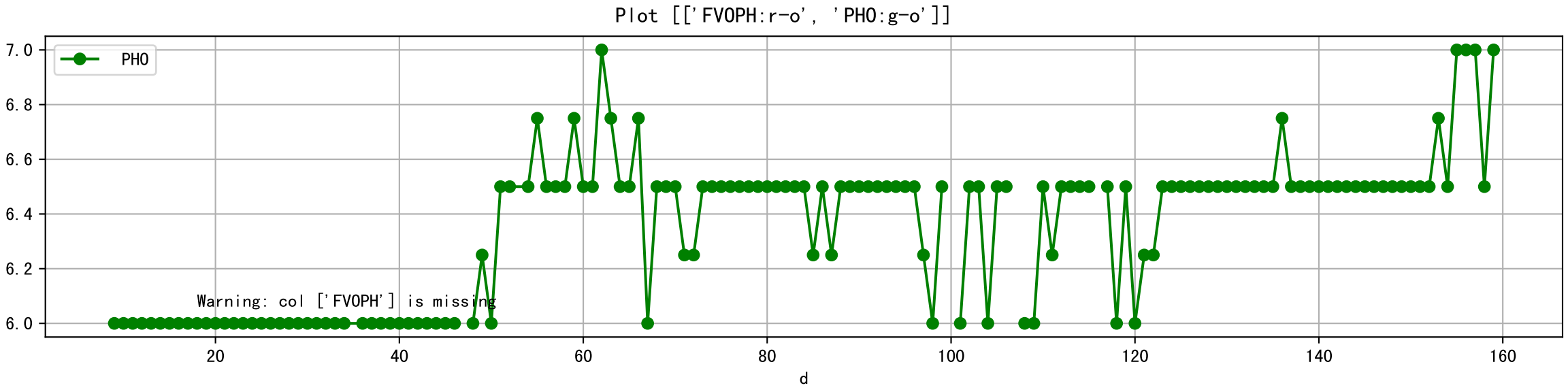

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

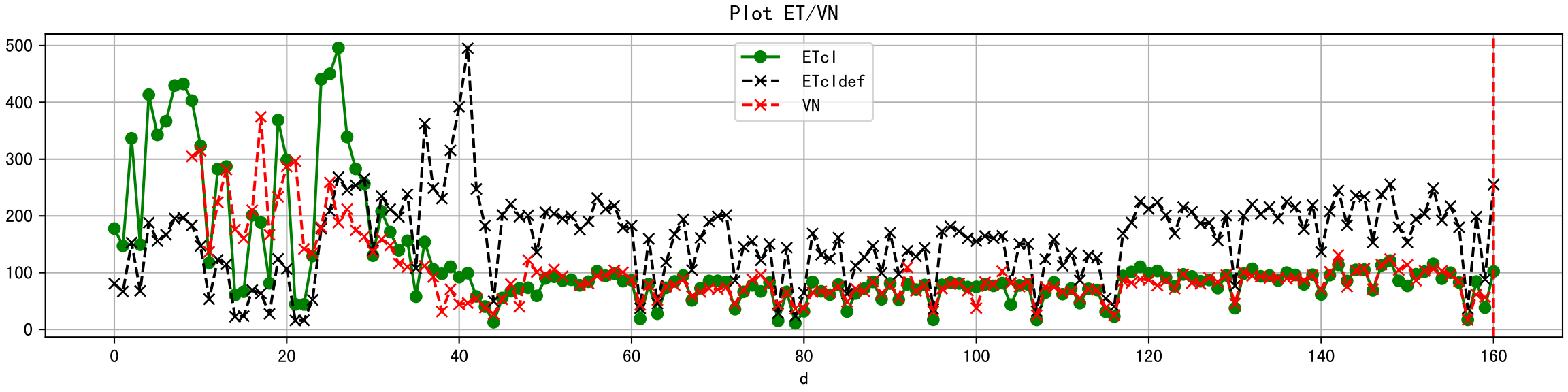

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
500
400
300
200
100
0
20
40
60
80
100
120
140
160
d

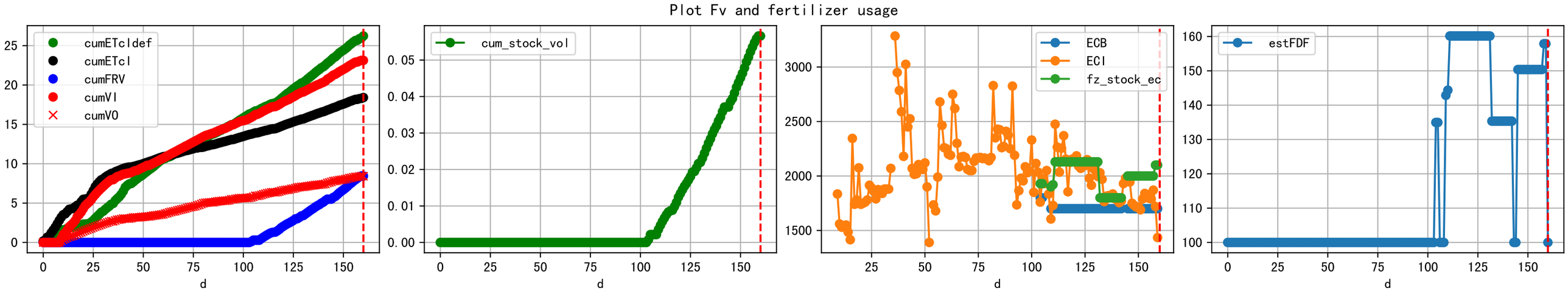

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
3000
2500
2000
1500
20
40
60
80
100
120
140
160
d


Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3500
3000
2500
2000
1500
1000
20
40
60
80
100
120
140
160
d

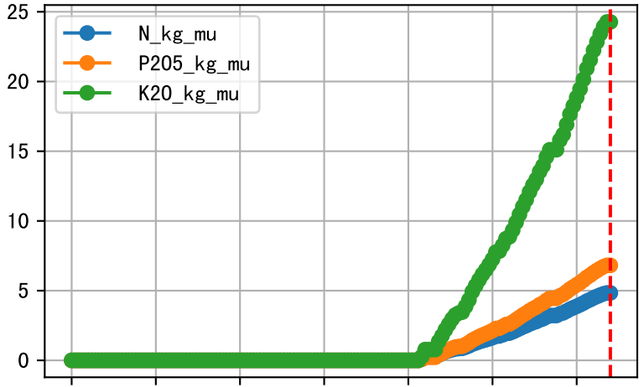

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.50
7.25
7.00
6.75
6.50
6.25
6.00
20
40
60
80
100
120
140
160
d

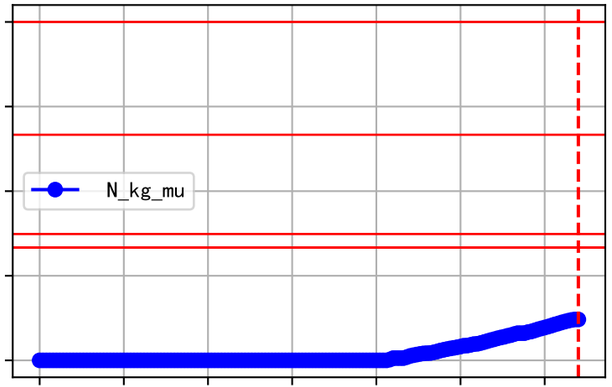

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
120
140
160
d

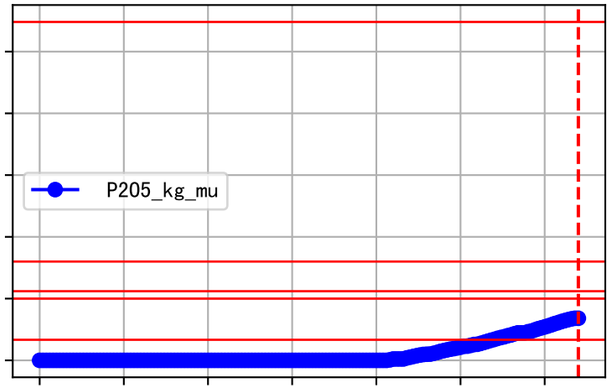

Plot ET/VN
ETcl
ETcldef
VN
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
d

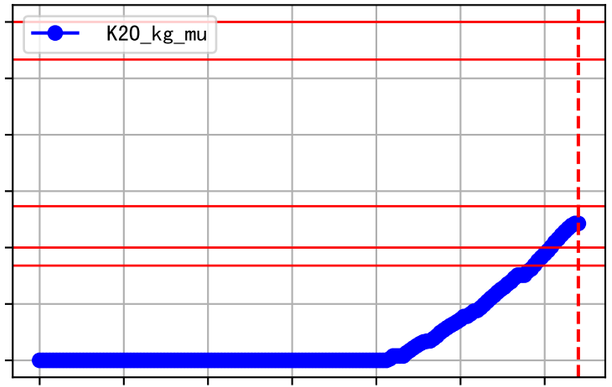

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
d
cum_stock_vol
d
ECB
ECI
fz_stock_ec
d
estFDF
d

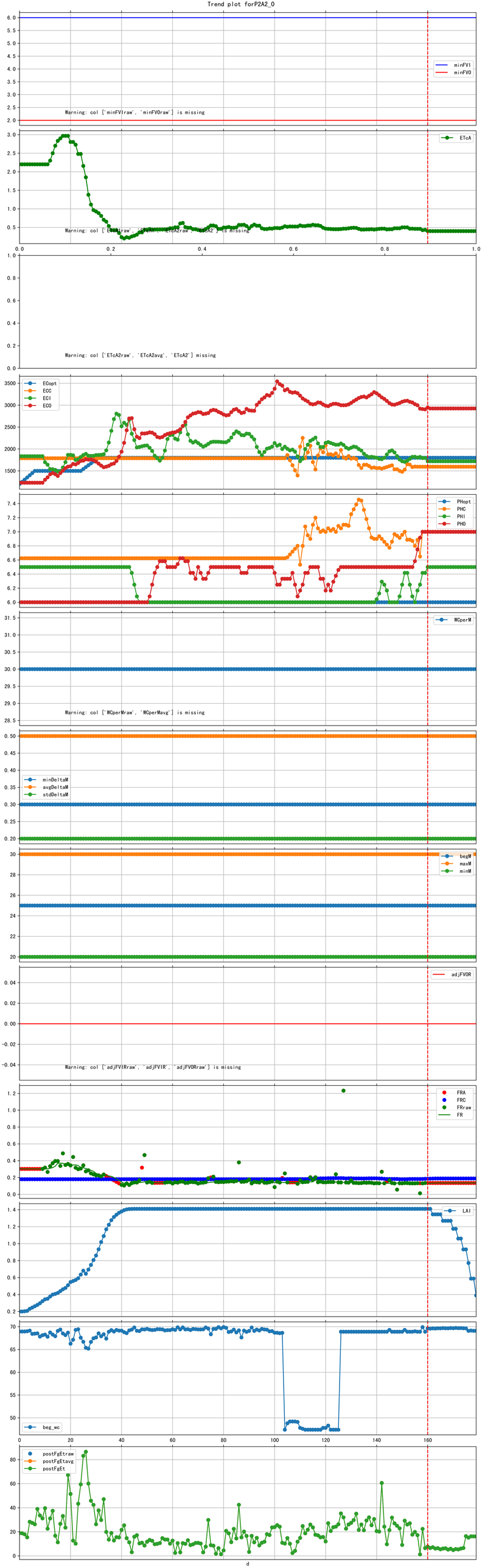
Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa

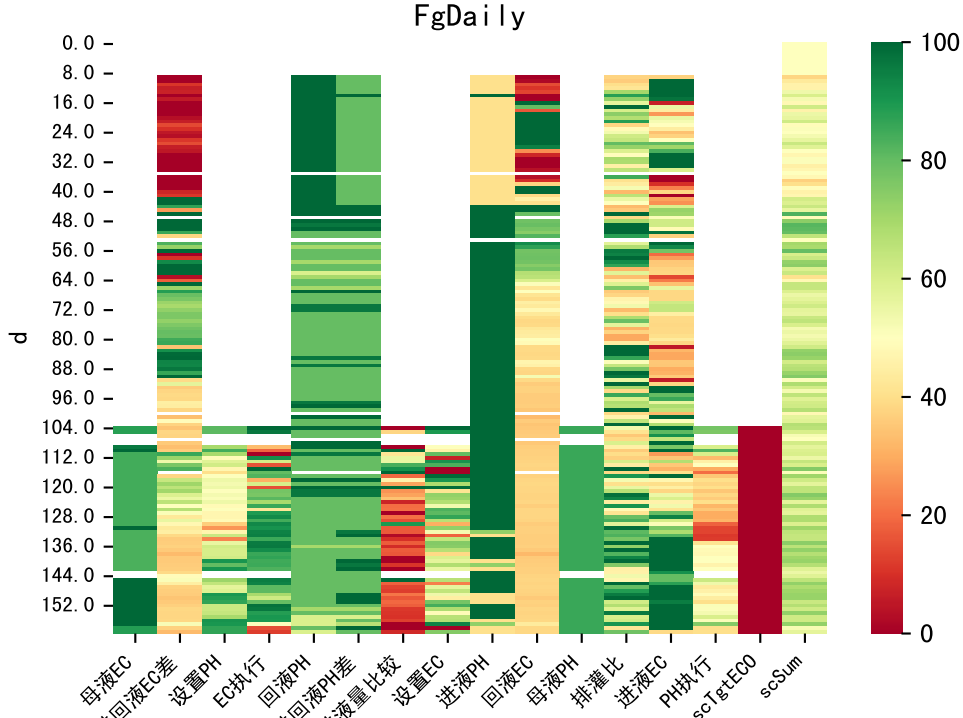




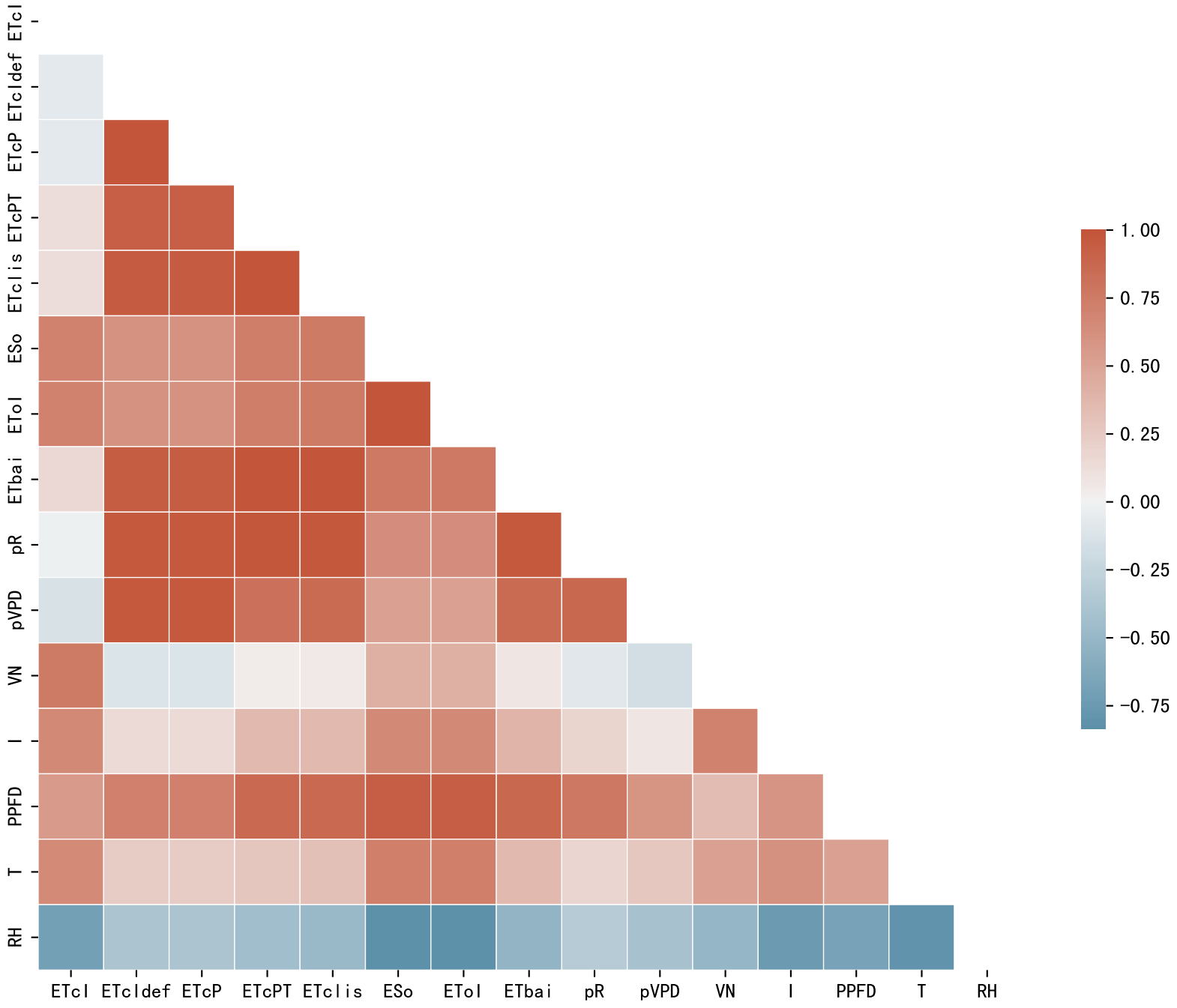


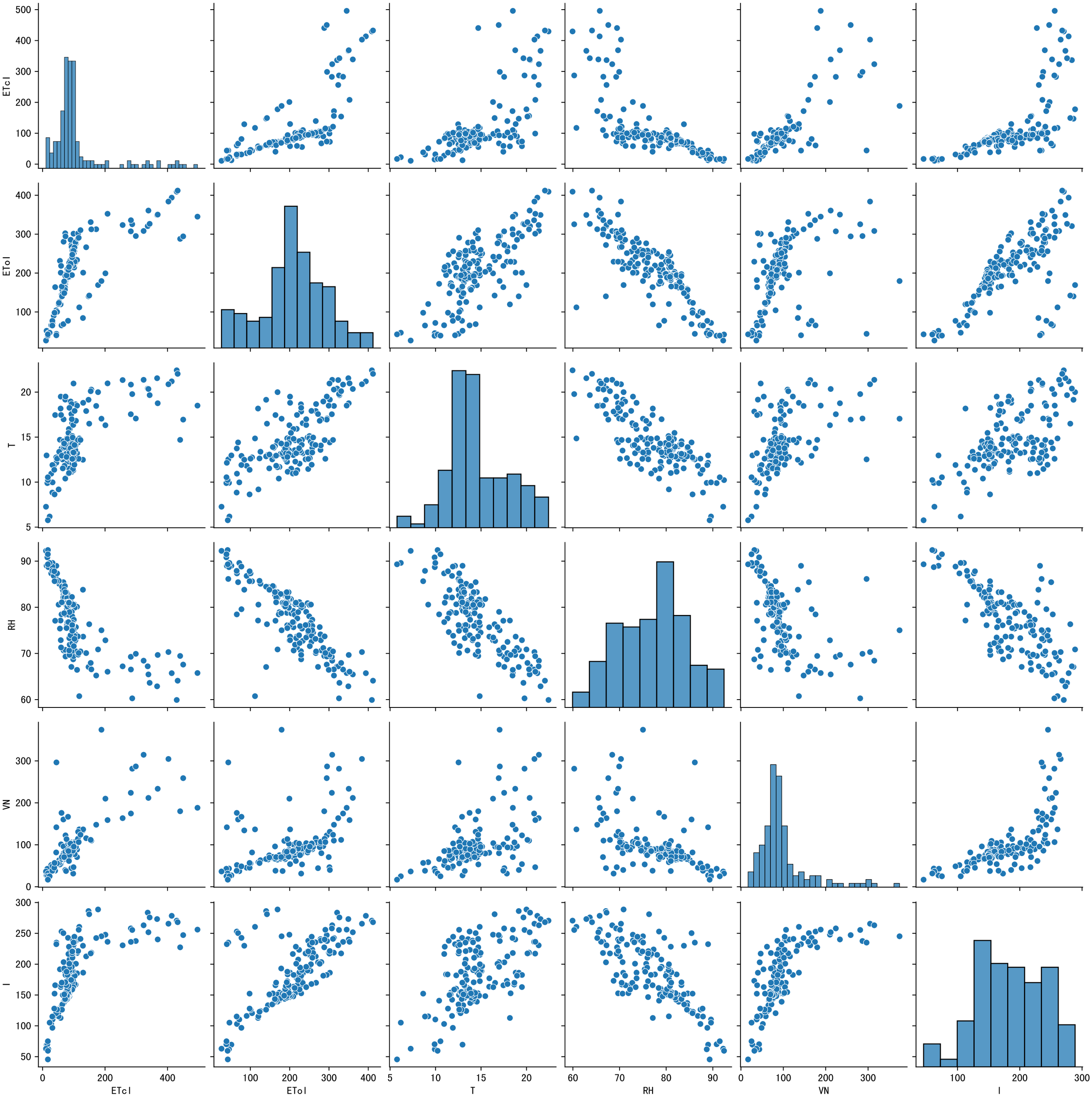


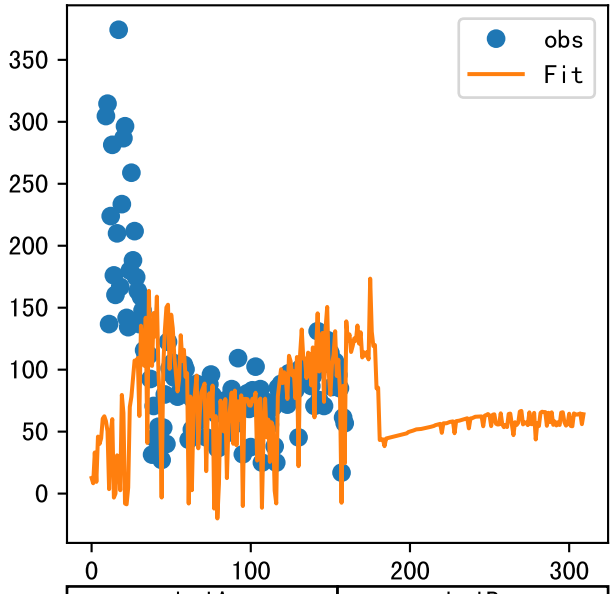

Trend plot forP2A2_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcAraw', 'ETcAavg', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECO
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

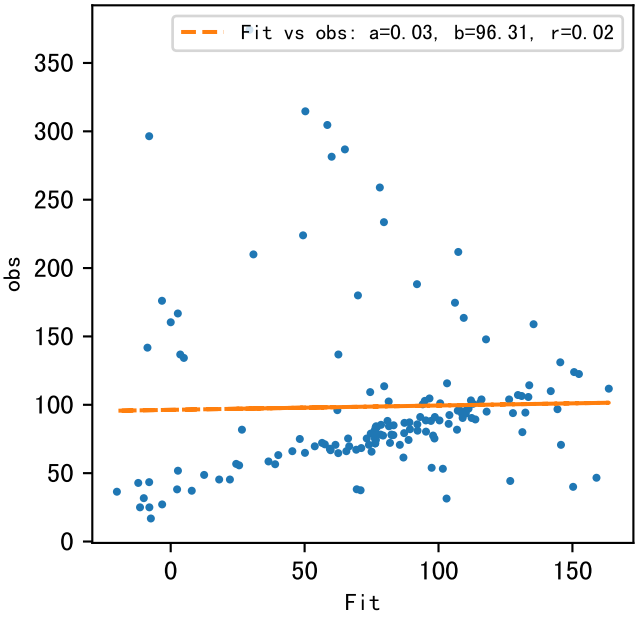

FgDaily
d
0.0
8.0
16.0
24.0
32.0
40.0
48.0
56.0
64.0
72.0
80.0
88.0
96.0
104.0
112.0
120.0
128.0
136.0
144.0
152.0
母液EC
回液EC差
设置PH
EC执行
回液PH
回液PH差
液量比较
设置EC
进液PH
回液EC
母液PH
排灌比
进液EC
PH执行
scTgtEC0
scSum
100
80
60
40
20
0

P2A2_0

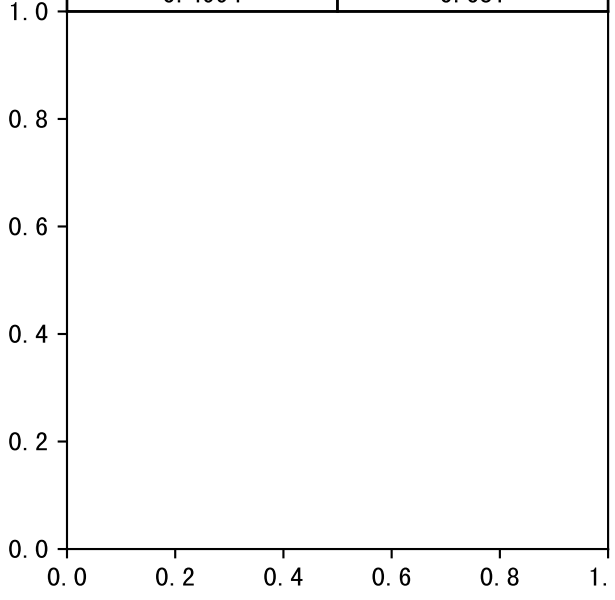

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

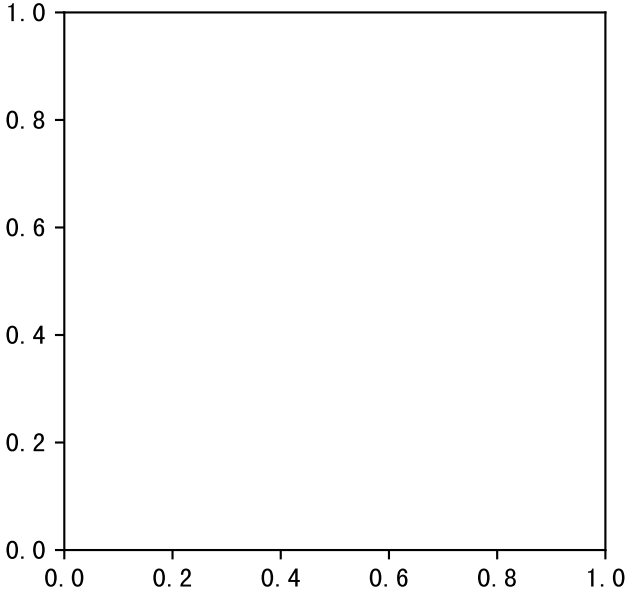

ETcl
ETol
T
RH
VN
I
0
100
200
300
400
500
5
10
15
20
60
70
80
90
50
150
250

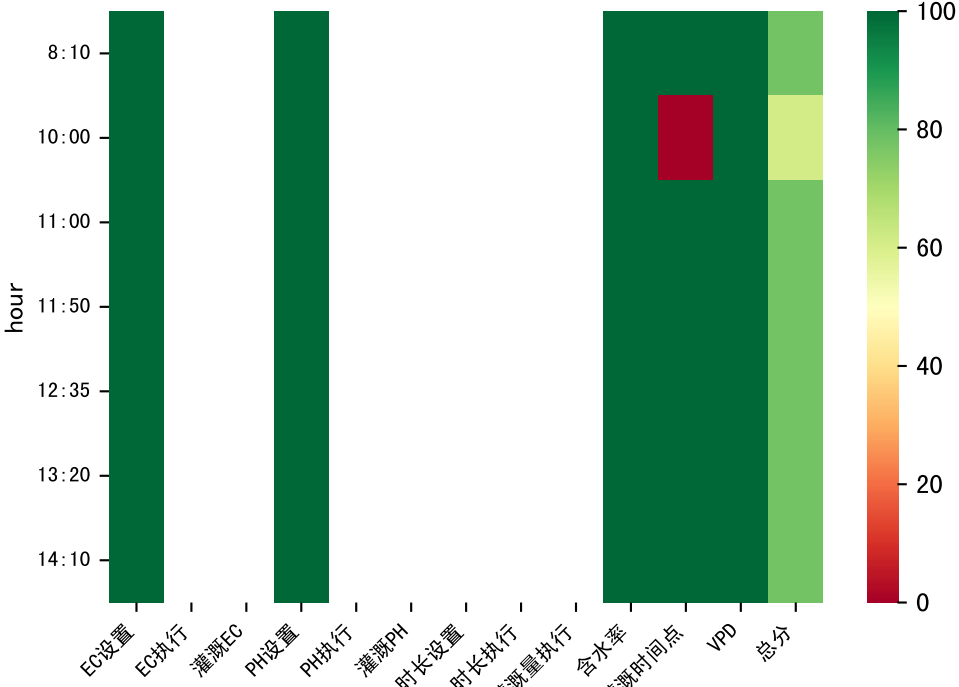




baiA	baiB
0.4994	0.031

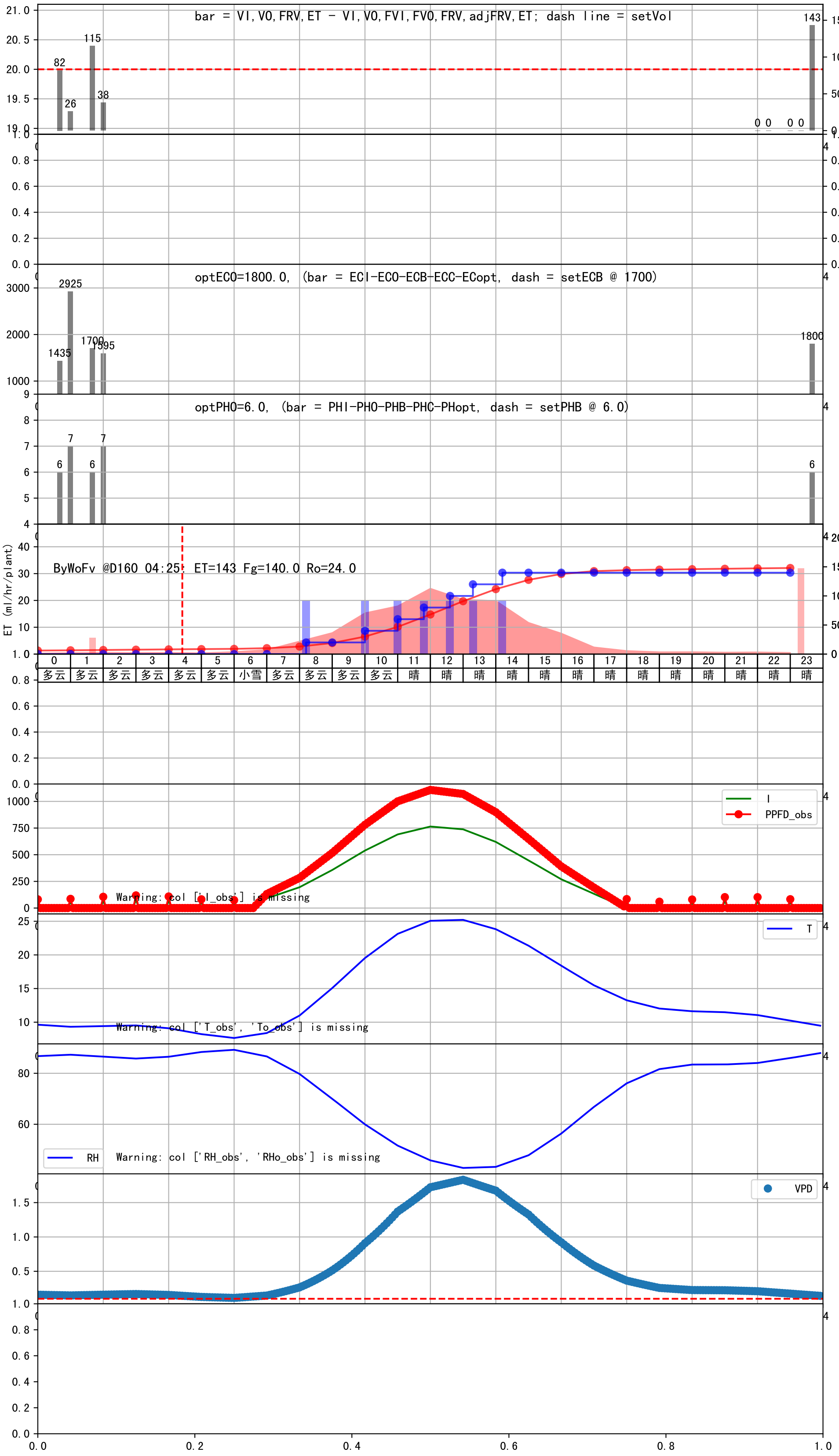


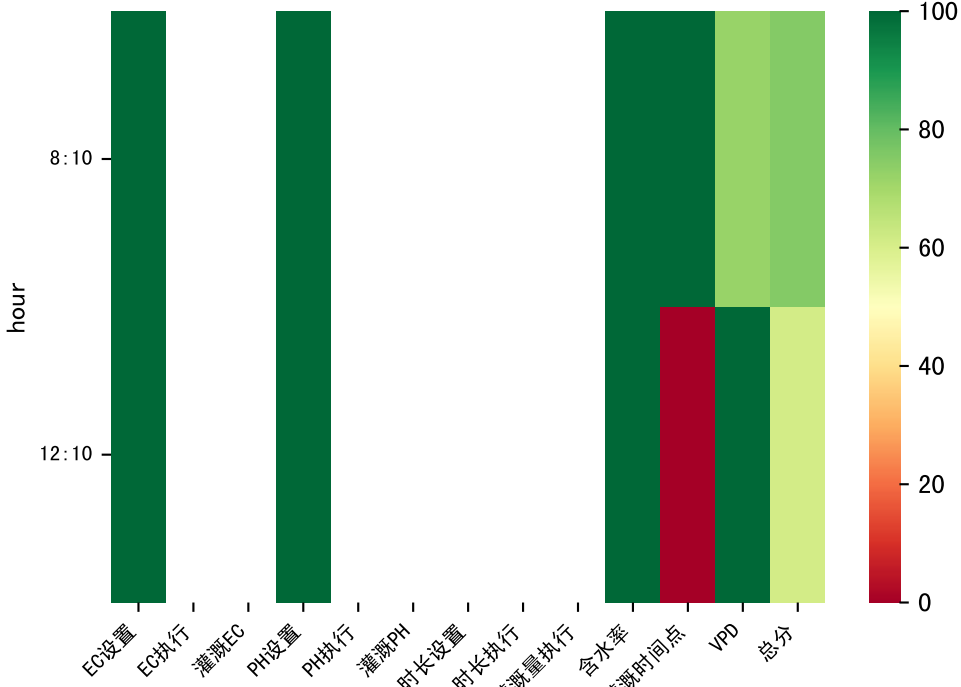



hour
8:10
10:00
11:00
11:50
12:35
13:20
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	154	20.0	0.441	多云	预期@08:10 自主（未用传感器）
10:00	154	20.0	0.441	多云	预期@10:00 自主（未用传感器）
11:00	154	20.0	0.441	晴	预期@11:00 自主（未用传感器）
11:50	154	20.0	0.441	晴	预期@11:50 自主（未用传感器）
12:35	154	20.0	0.441	晴	预期@12:35 自主（未用传感器）
13:20	154	20.0	0.441	晴	预期@13:20 自主（未用传感器）
14:10	154	20.0	0.441	晴	预期@14:10 自主（未用传感器）
总计	1078.0 (7次)	140.0			建议进液EC：1700， PH：6.0

P2A2_0, Day=160 (2026-03-03)

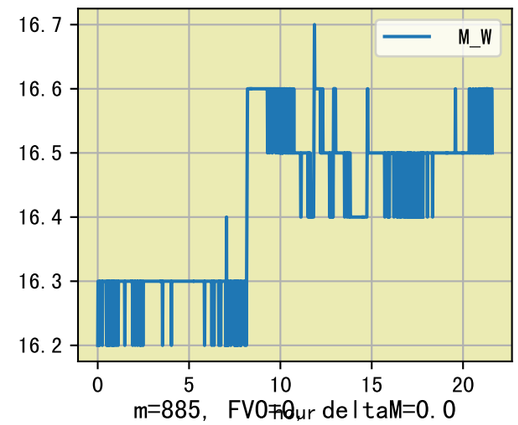


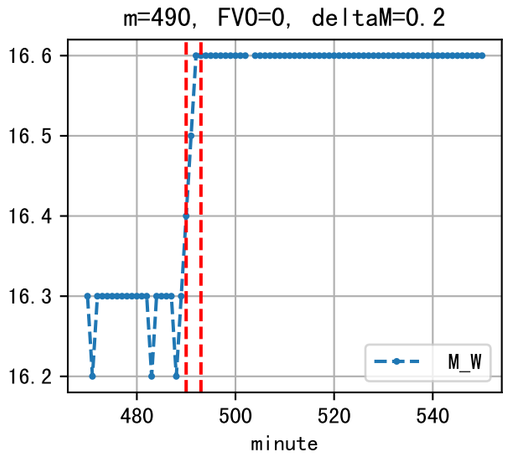

hour
8:10
12:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

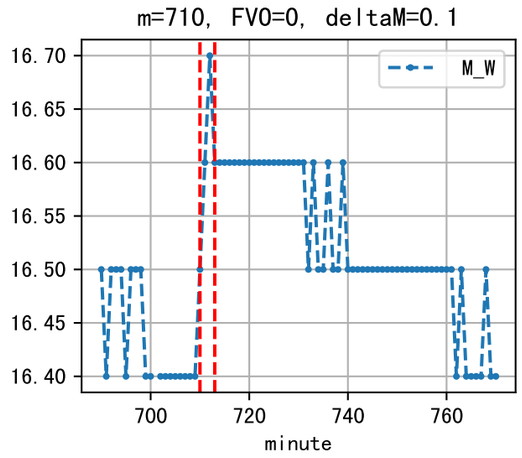
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	153	20.0	0.441	阴	假设@08:10 自动（未用传感器）
12:10	153	20.0	0.441	阴	假设@12:10 自动（未用传感器）
总计	306.0 (2次)	40.0			建议进液EC：1700， PH：6.0

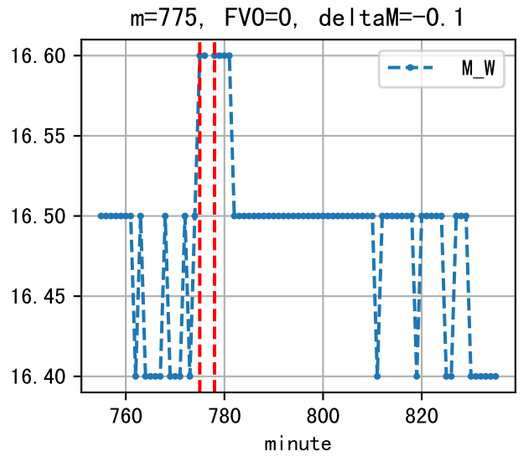
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (29.0 : 20.0)，可能由于一阀多区不均匀
默认实际灌溉20.0 ml.

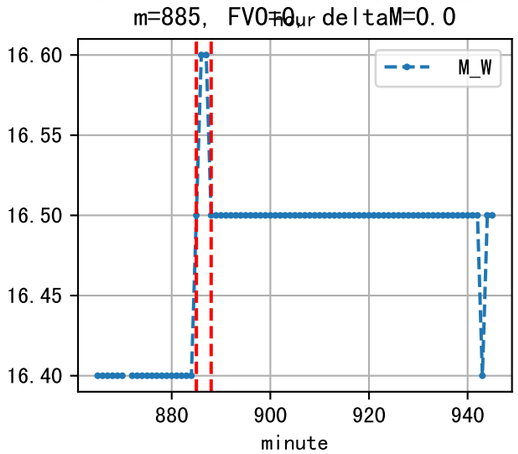
P2A2_0, Day=159.0 (2026-03-02)

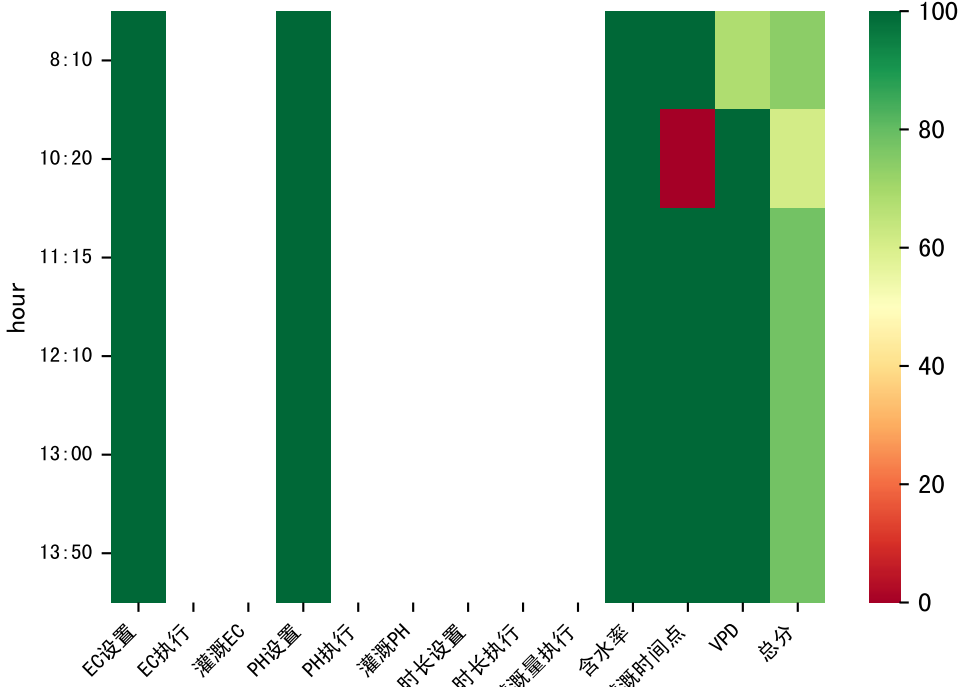

M_W
16.7
16.6
16.5
16.4
16.3
16.2
0
5
10
15
20
hour


m=490, FVO=0, deltaM=0.2
M_W
16.6
16.5
16.4
16.3
16.2
480
500
520
540
minute


m=710, FVO=0, deltaM=0.1
M_W
16.70
16.65
16.60
16.55
16.50
16.45
16.40
700
720
740
760
minute


m=775, FVO=0, deltaM=-0.1
M_W
16.60
16.55
16.50
16.45
16.40
760
780
800
820
minute

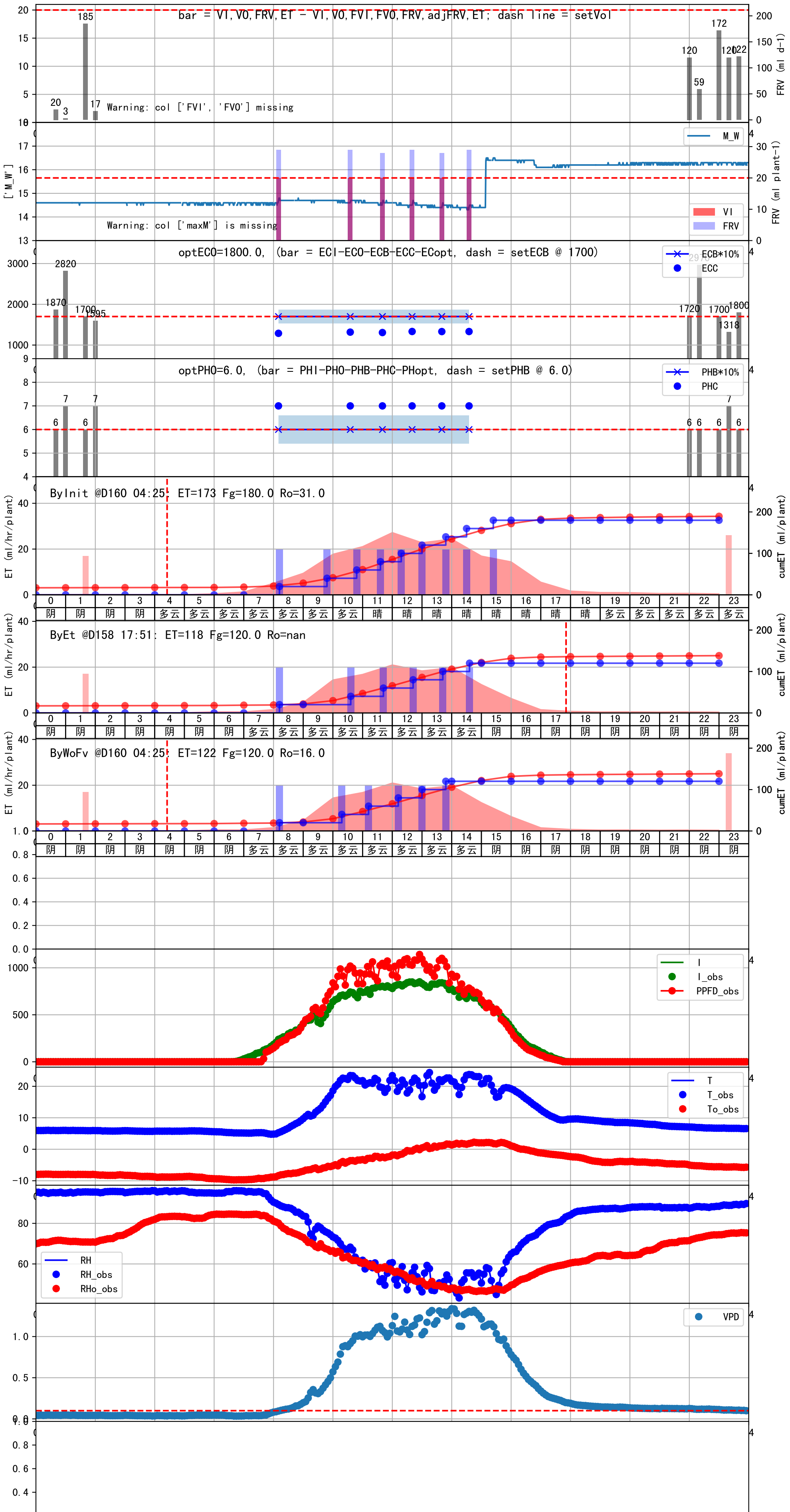

m=885, FVO=0, deltaM=0.0
M_W
16.60
16.55
16.50
16.45
16.40
880
900
920
940
minute

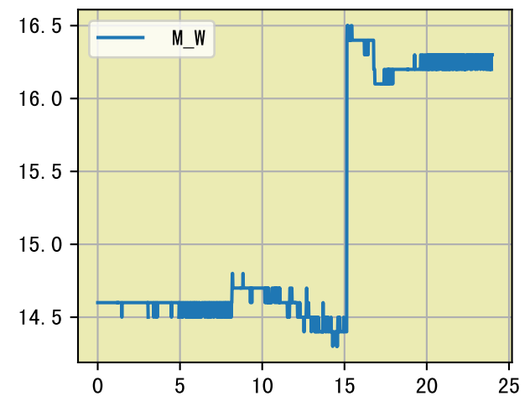

hour
8:10
10:20
11:15
12:10
13:00
13:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

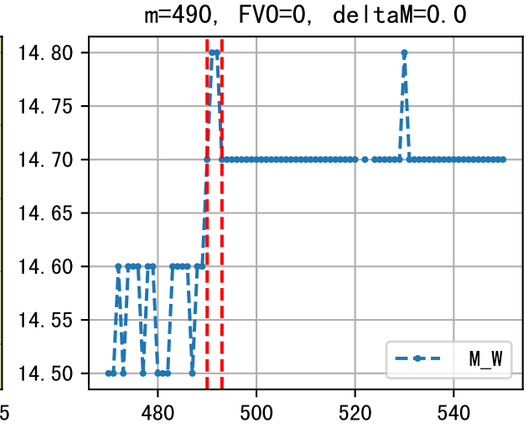
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	153	20.0	0.441	多云	假设@08:10 自动（未用传感器）
10:20	153	20.0	0.441	多云	假设@10:20 自动（未用传感器）
11:15	153	20.0	0.441	多云	假设@11:15 自动（未用传感器）
12:10	153	20.0	0.441	多云	假设@12:10 自动（未用传感器）
13:00	153	20.0	0.441	多云	假设@13:00 自动（未用传感器）
13:50	153	20.0	0.441	多云	假设@13:50 自动（未用传感器）
总计	918.0 (6次)	120.0			建议进液EC：1700， PH：6.0

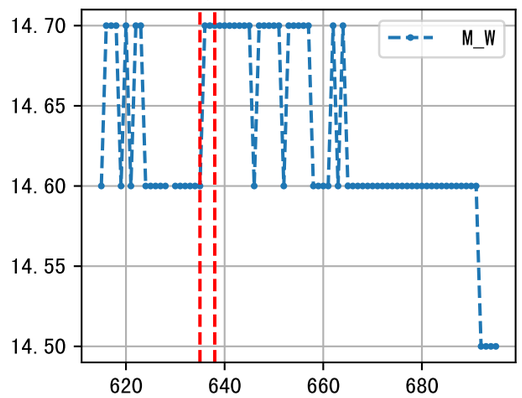
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (29.0 : 20.0)，可能由于一阀多区不均匀
默认实际灌溉20.0 ml.

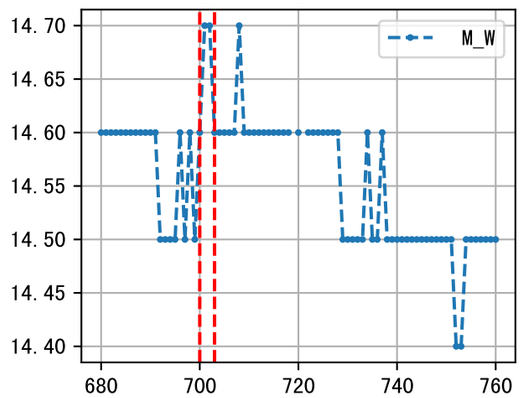
P2A2_0, Day=158.0 (2026-03-01)

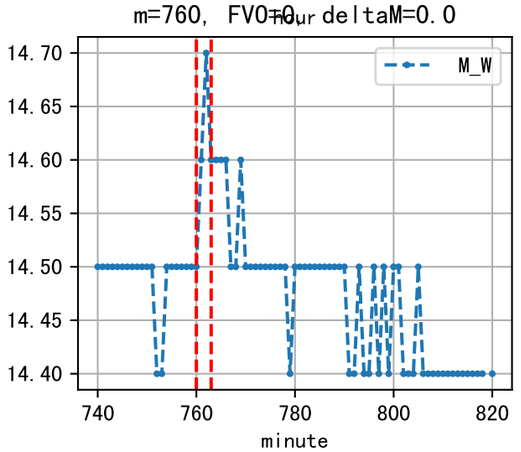


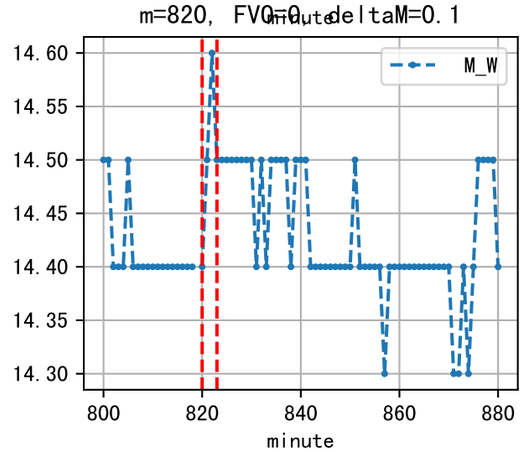

M_W
16.5
16.0
15.5
15.0
14.5
0
5
10
15
20
25

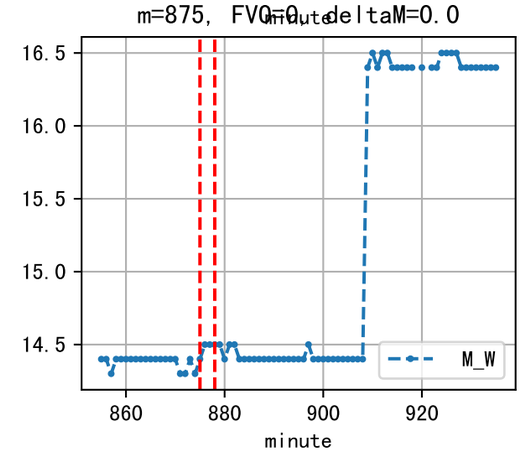

m=490, FV0=0, deltaM=0.0
M_W
14.80
14.75
14.70
14.65
14.60
14.55
14.50
480
500
520
540

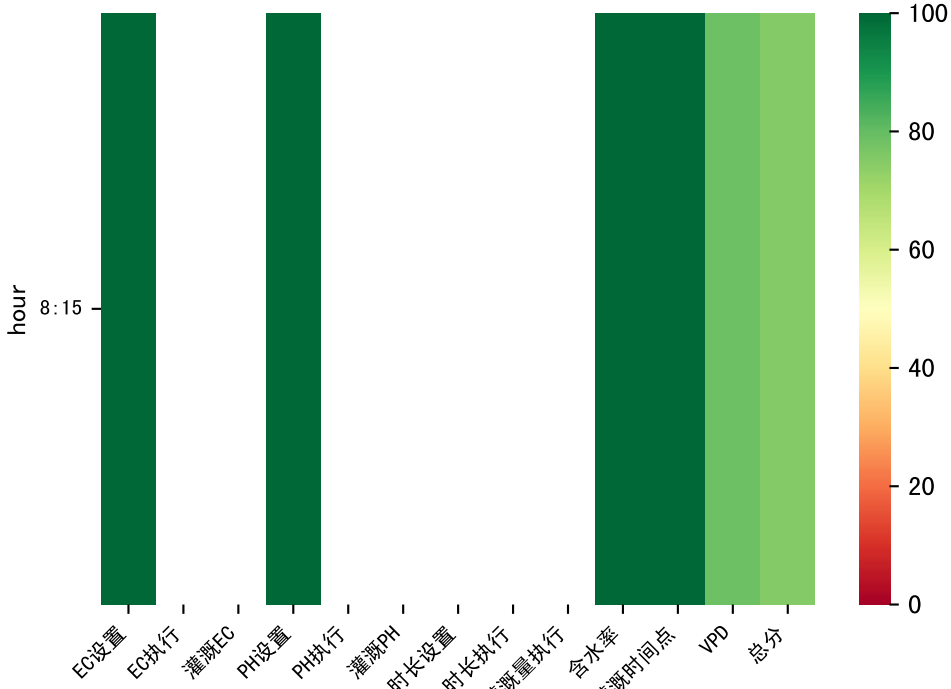

m=635, FV0=0, deltaM=0.1
M_W
14.70
14.65
14.60
14.55
14.50
620
640
660
680


m=700, FV0=0, deltaM=0.1
M_W
14.70
14.65
14.60
14.55
14.50
14.45
14.40
680
700
720
740
760
minute


m=760, FV0=0, deltaM=0.0
M_W
14.70
14.65
14.60
14.55
14.50
14.45
14.40
740
760
780
800
820
minute


m=820, FV0=0, deltaM=0.1
M_W
14.60
14.55
14.50
14.45
14.40
14.35
14.30
800
820
840
860
880
minute

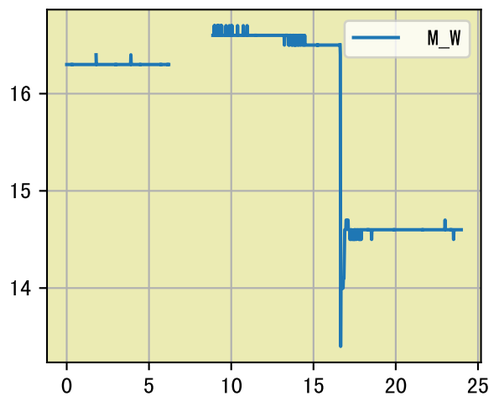

m=875, FV0=0, deltaM=0.0
M_W
16.5
16.0
15.5
15.0
14.5
860
880
900
920
minute

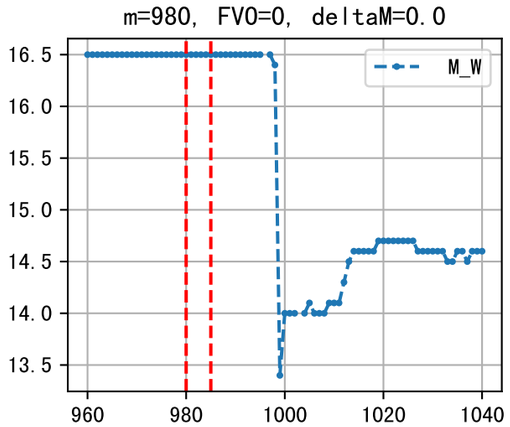

hour
8:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

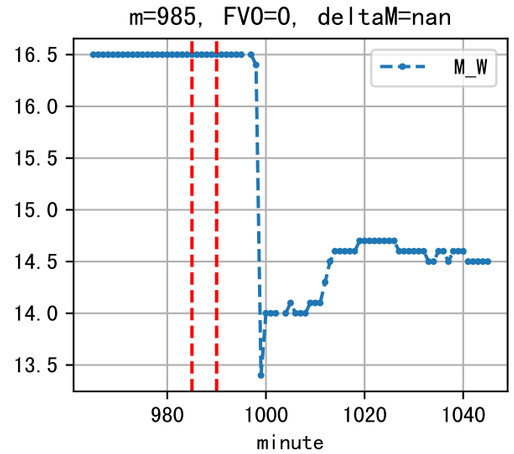
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	306	20.0	0.441	阴	假设@08:15 自动（未用传感器）
总计	306.0 (1次)	20.0			建议进液EC：1700， PH：6.0

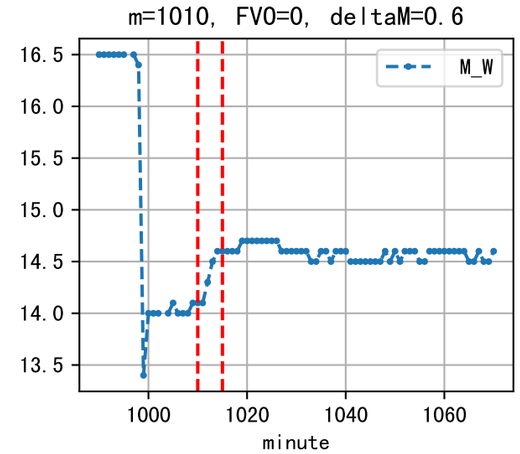
滴头平均流速偏小（0.18 vs def 0.5），请检查
上次灌溉流速比过去5天平均小 (0.08 vs 0.18)，可能管道压力异常或有管道堵塞
施肥机灌溉量与预期值不符 (26.0 : 40.0)，可能由于一阀多区不均匀
上次灌溉时长(306)与预期(154.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉40.0 ml.
上次灌溉施肥机流速0.08447823573873994与平均值0.18偏差较大，请检查。

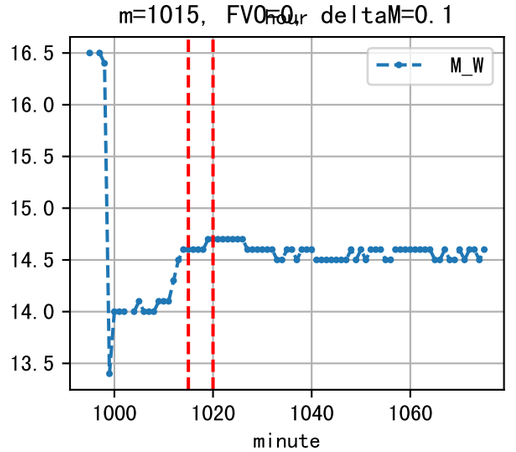
P2A2_0, Day=157.0 (2026-02-28)

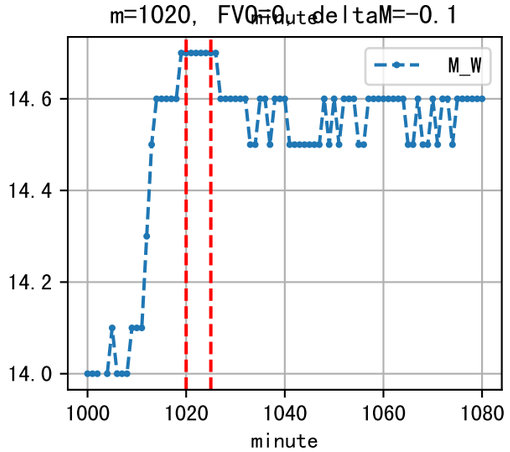

M_W
16
15
14
0
5
10
15
20
25

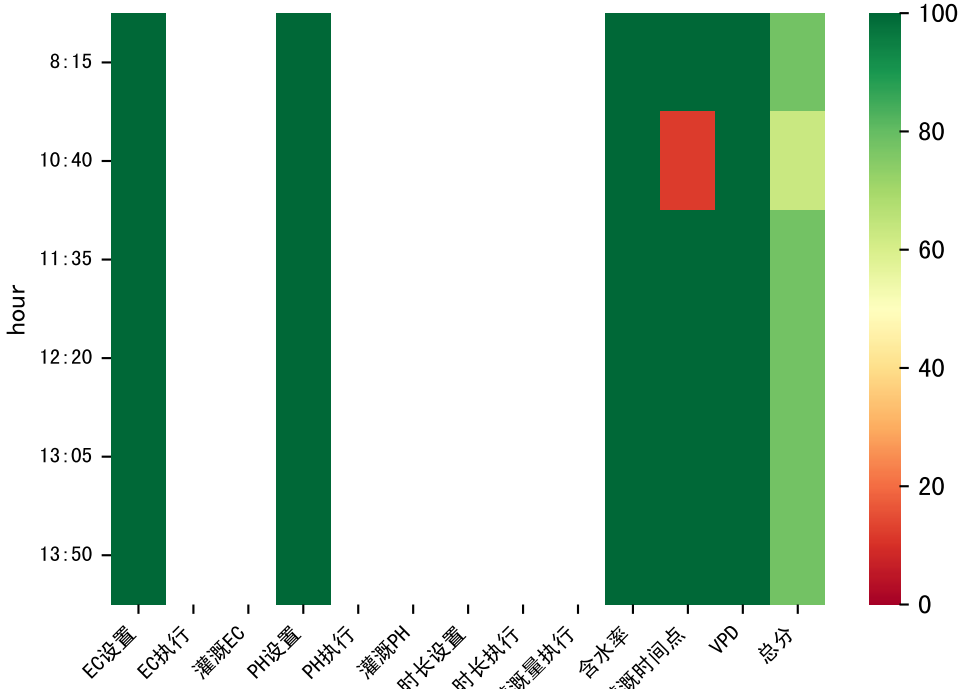

m=980, FVO=0, deltaM=0.0
M_W
16.5
16.0
15.5
15.0
14.5
14.0
13.5
960
980
1000
1020
1040


m=985, FVO=0, deltaM=nan
M_W
16.5
16.0
15.5
15.0
14.5
14.0
13.5
980
1000
1020
1040
minute


m=1010, FVO=0, deltaM=0.6
M_W
16.5
16.0
15.5
15.0
14.5
14.0
13.5
1000
1020
1040
1060
minute


m=1015, FVO=0, deltaM=0.1
M_W
16.5
16.0
15.5
15.0
14.5
14.0
13.5
1000
1020
1040
1060
minute

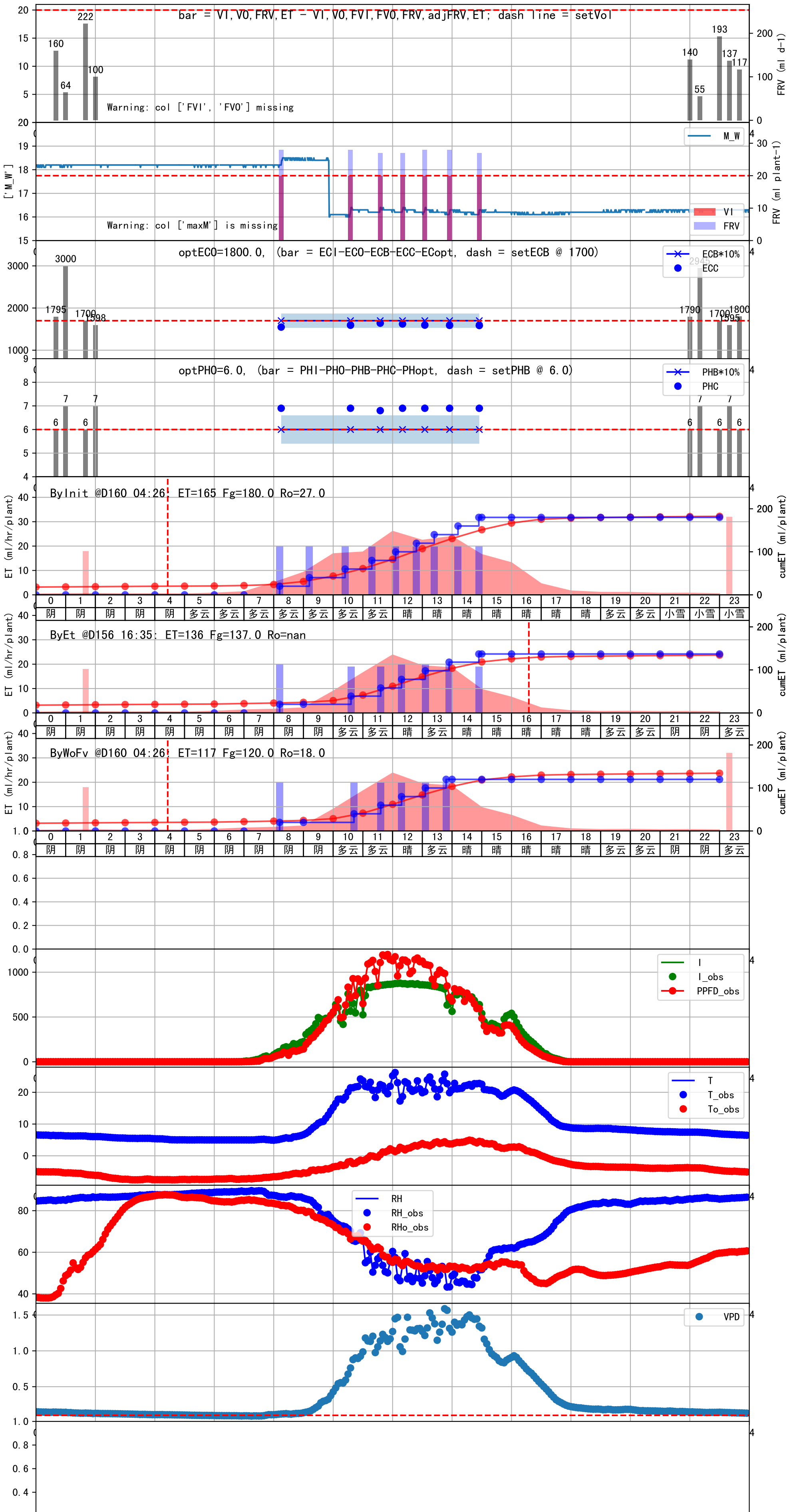

m=1020, FVO=0, deltaM=-0.1
M_W
14.6
14.4
14.2
14.0
1000
1020
1040
1060
1080
minute

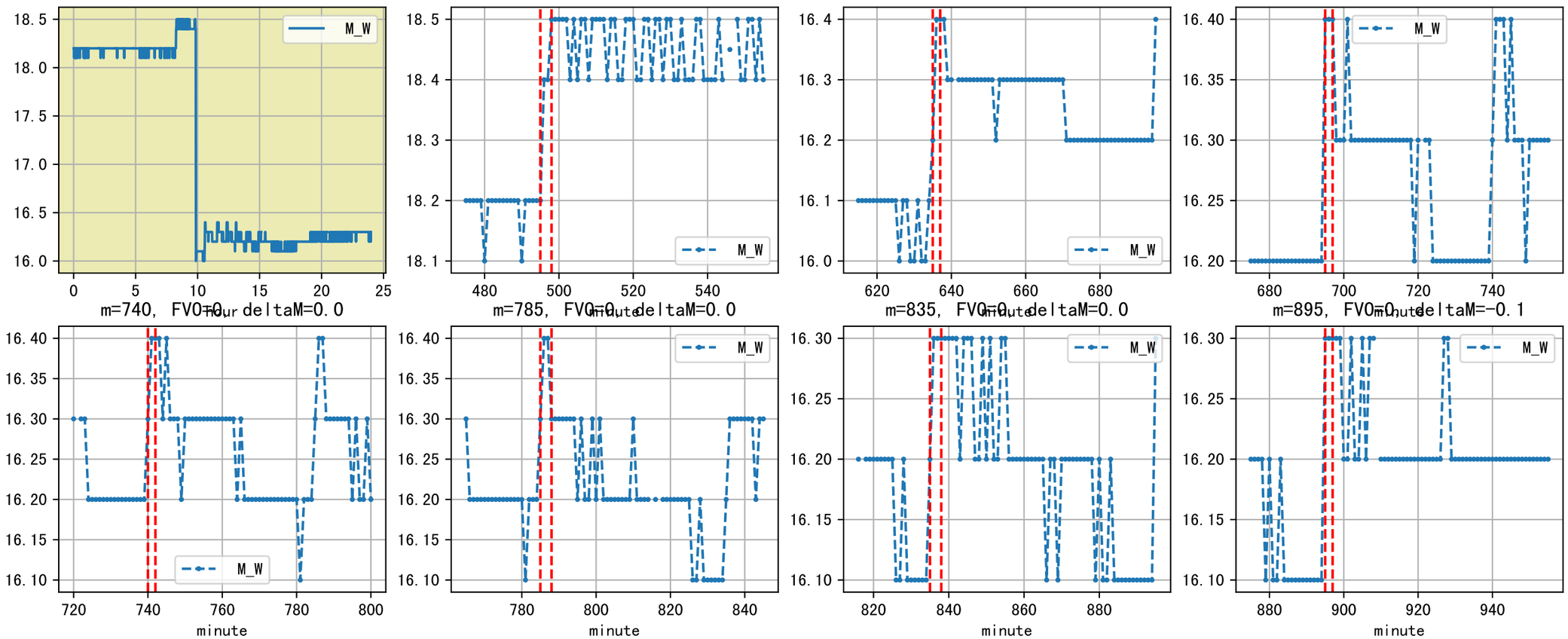

hour
8:15
10:40
11:35
12:20
13:05
13:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	152	20.0	0.441	阴	假设@08:15 自动（未用传感器）
10:40	152	20.0	0.441	多云	假设@10:40 自动（未用传感器）
11:35	152	20.0	0.441	多云	假设@11:35 自动（未用传感器）
12:20	152	20.0	0.441	晴	假设@12:20 自动（未用传感器）
13:05	152	20.0	0.441	多云	假设@13:05 自动（未用传感器）
13:50	152	20.0	0.441	多云	假设@13:50 自动（未用传感器）
总计	912.0 (6次)	120.0			建议进液EC：1700， PH：6.0

滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (27.0 : 19.0)，可能由于一阀多区不均匀
默认实际灌溉19.0 ml.

P2A2_0, Day=156.0 (2026-02-27)




M_W
m=495, FVO=0, deltaM=0.2
m=635, FVO=0, deltaM=0.1
m=695, FVO=0, deltaM=-0.1
m=740, FVO=0, deltaM=0.0
m=785, FVO=0, deltaM=0.0
m=835, FVO=0, deltaM=0.0
m=895, FVO=0, deltaM=-0.1
minute