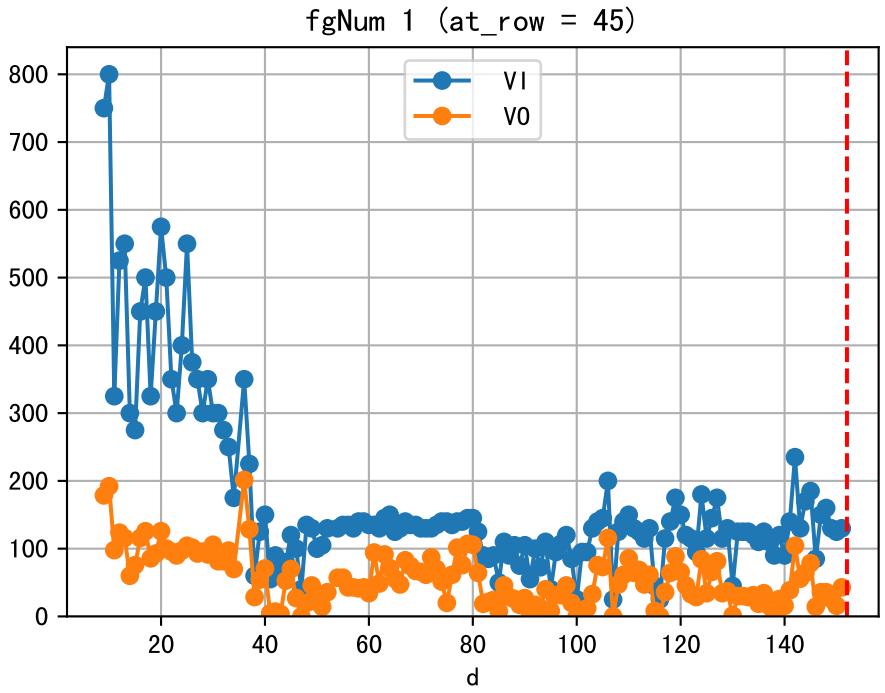
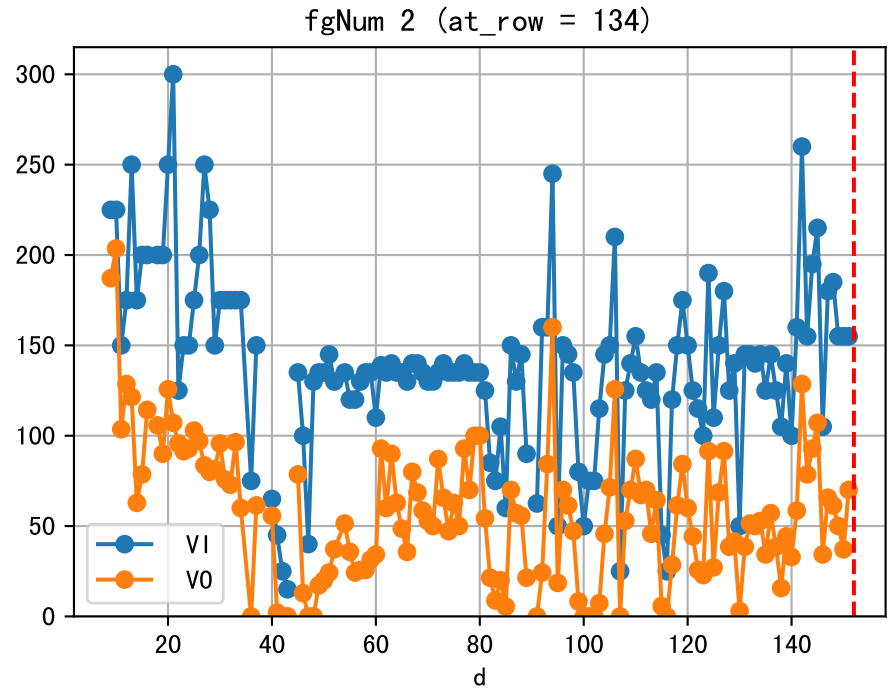
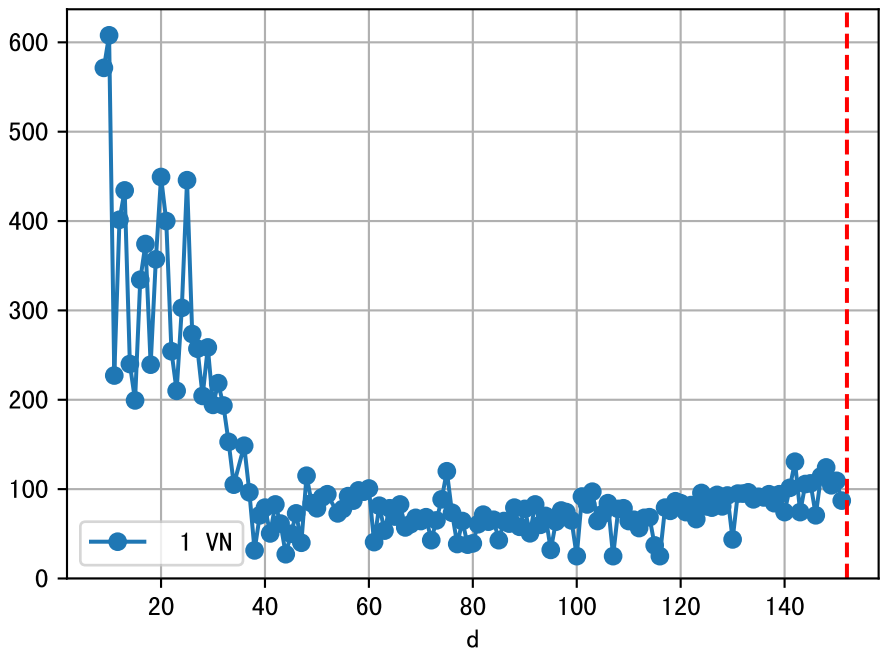
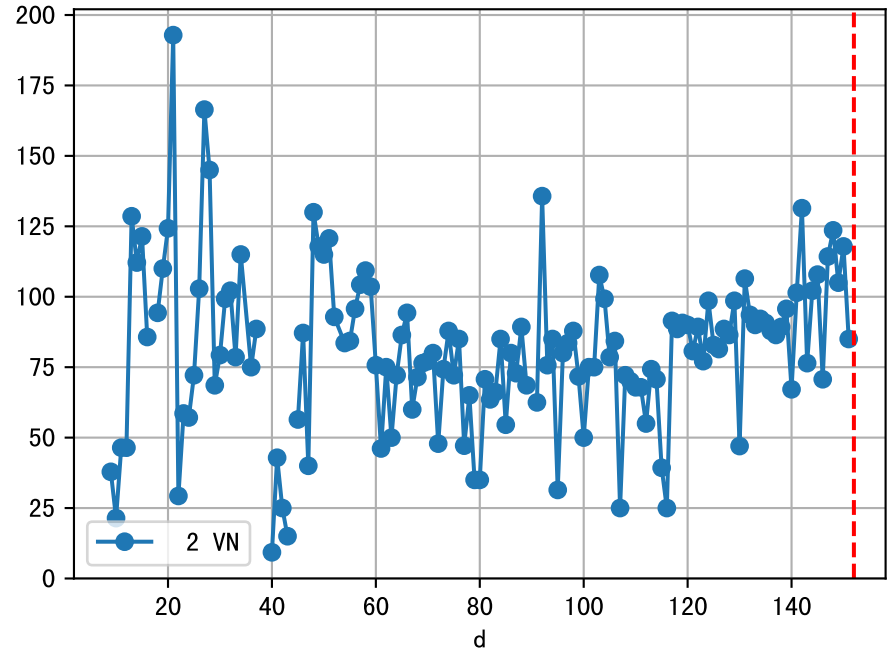
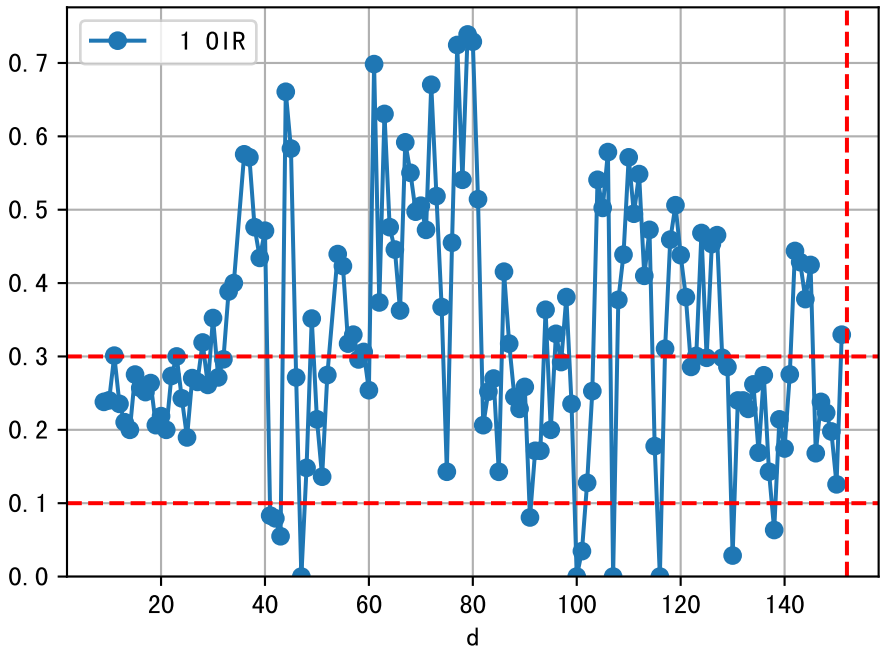
FgArea: ['0']
NC11 P2
2026-02-23 (Day 152)

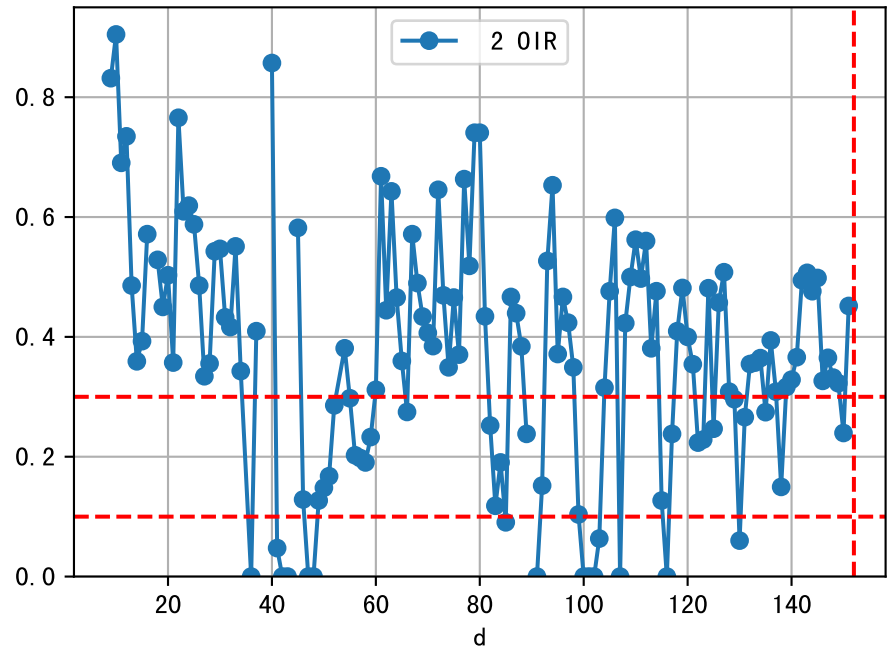

fgNum 1 (at_row = 45)
VI
VO
d

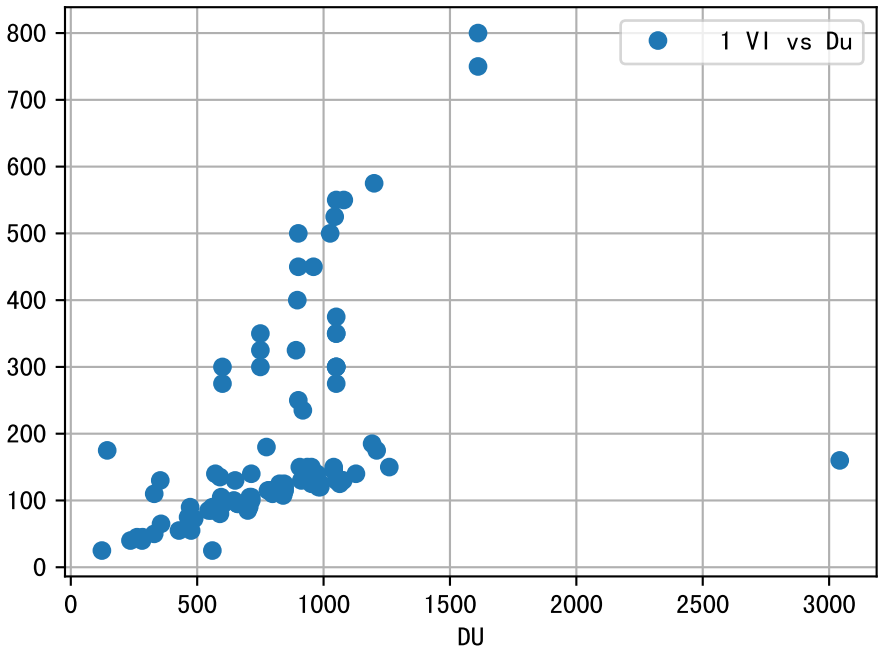

fgNum 2 (at_row = 134)
VI
VO
d

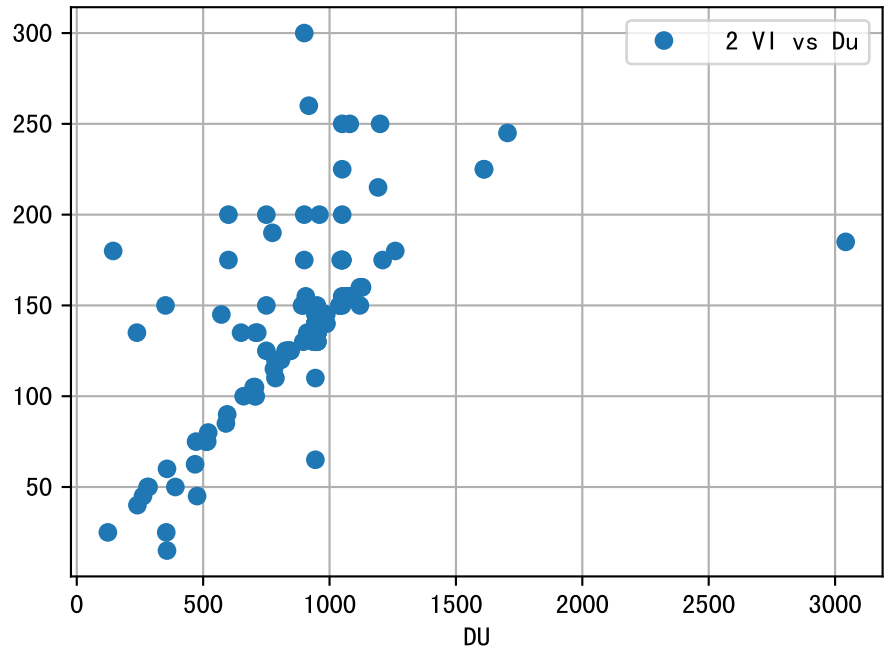

1 VN
d

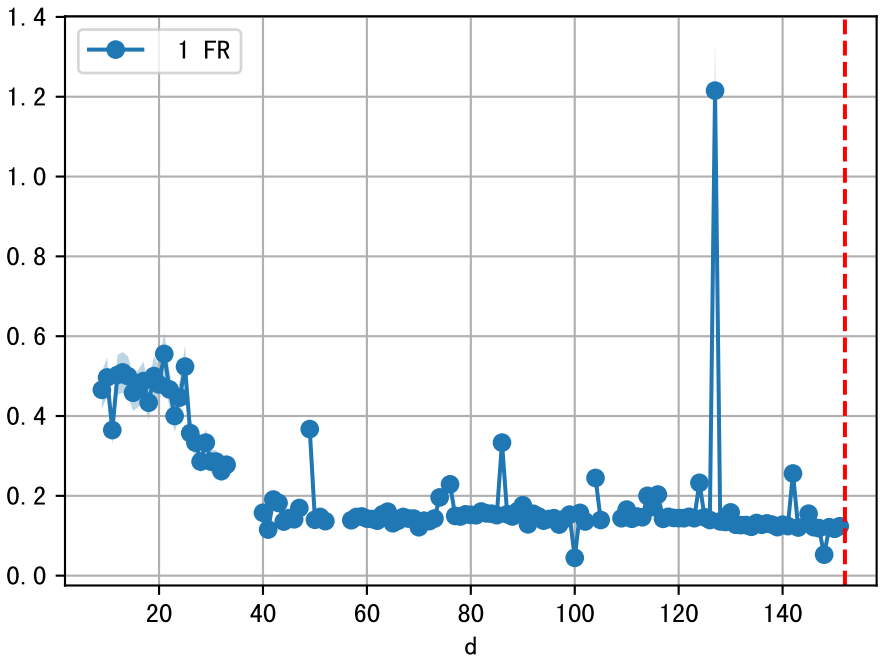

2 VN
d

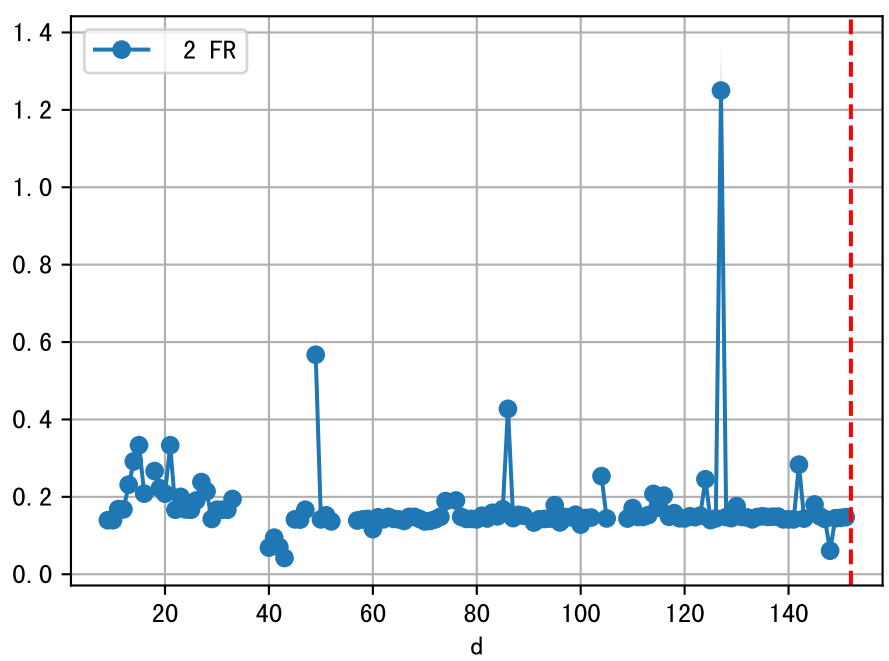

1 OIR
d

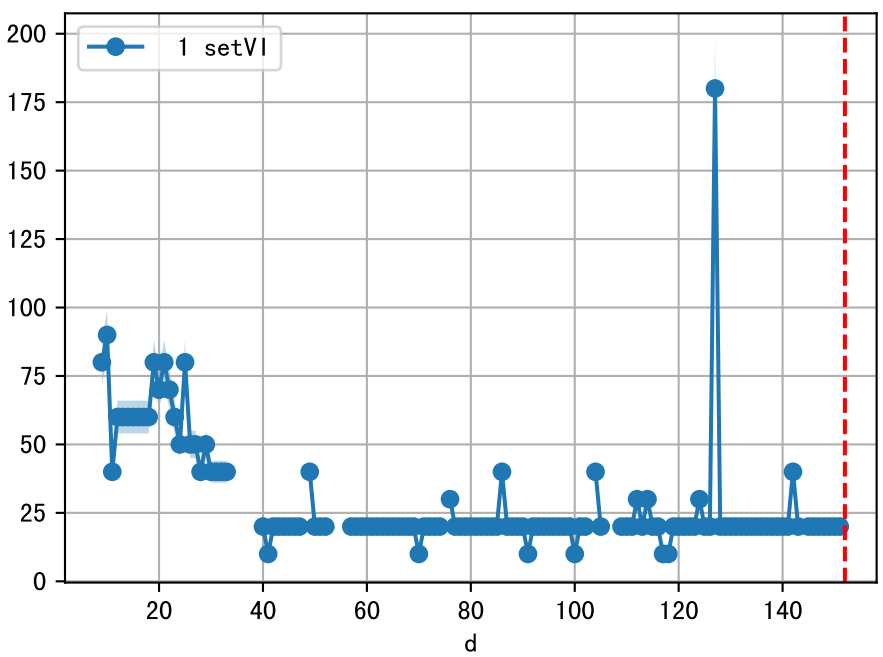

2 OIR
d

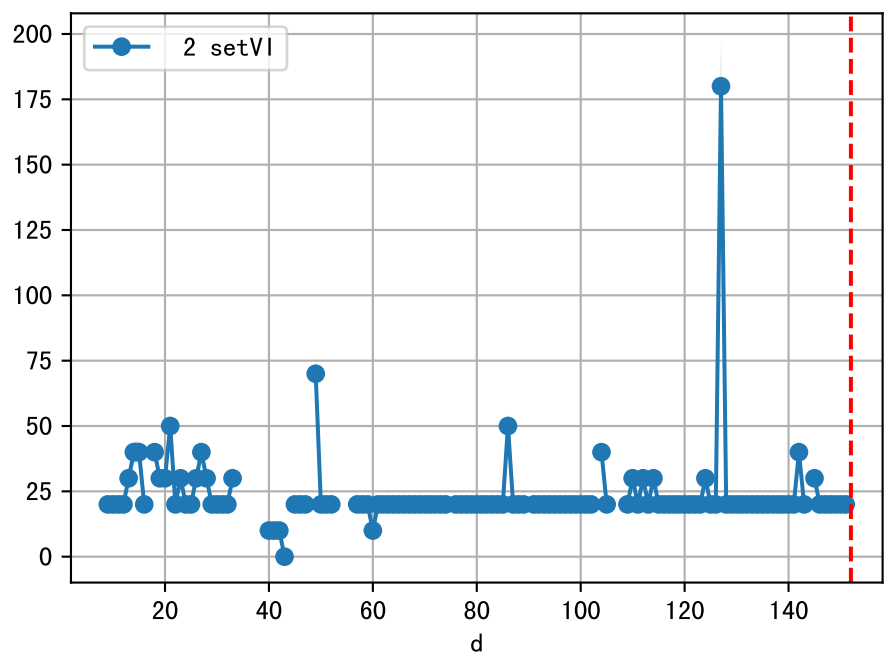

1 VI vs Du
DU

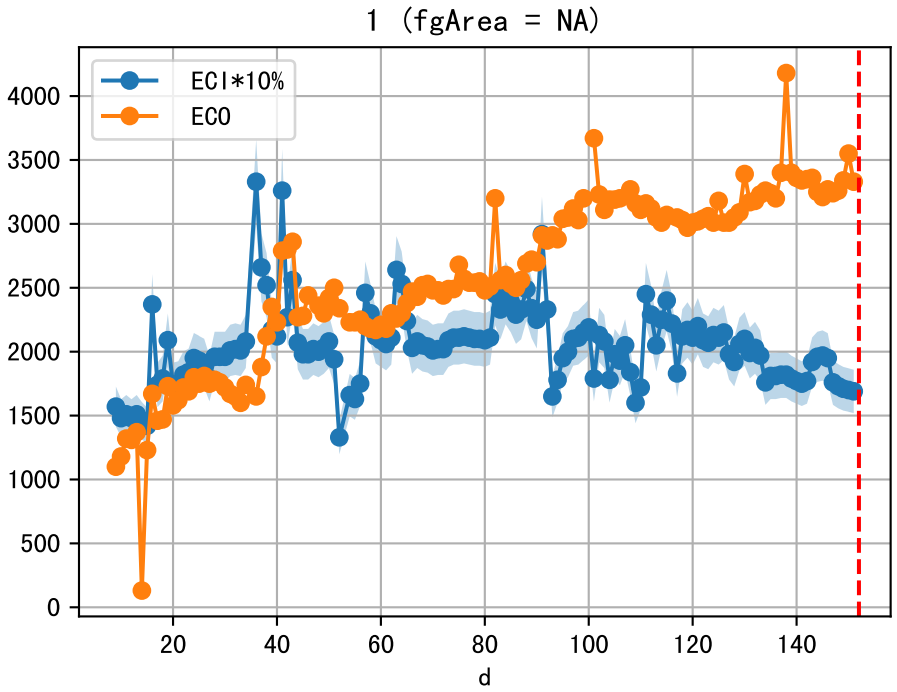

2 VI vs Du
DU

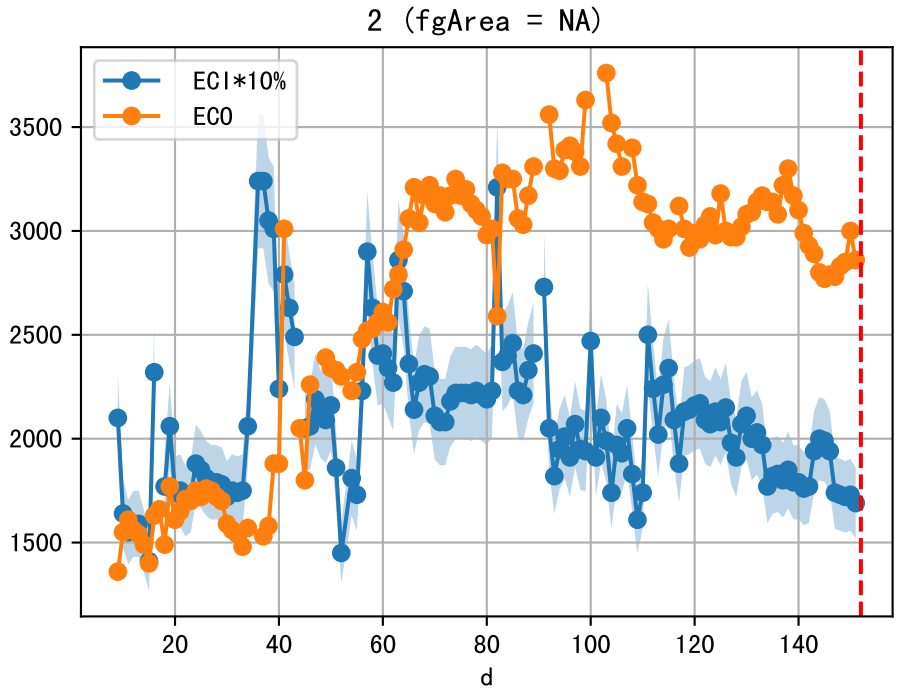

1 FR
d

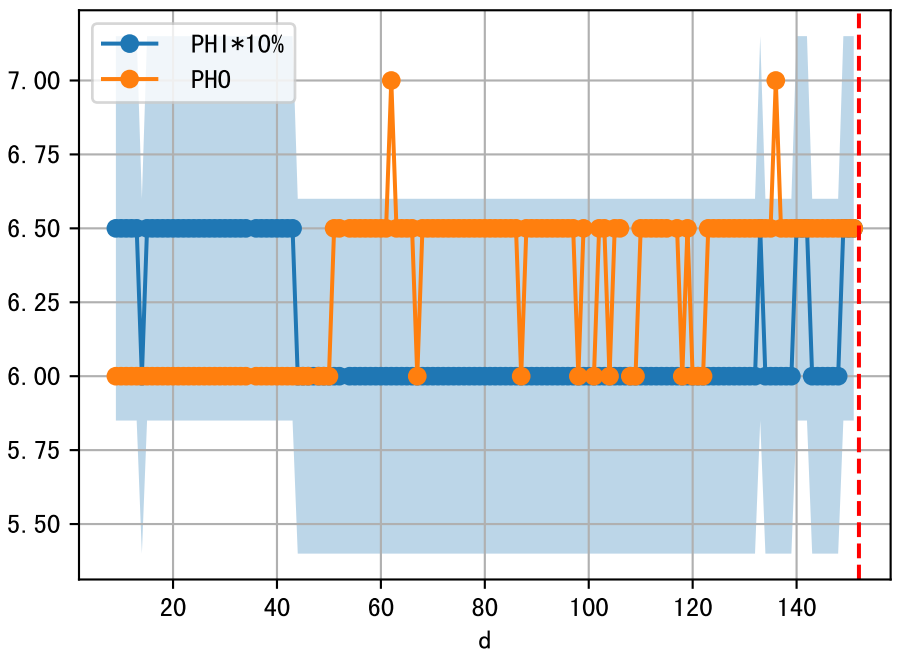

2 FR
d

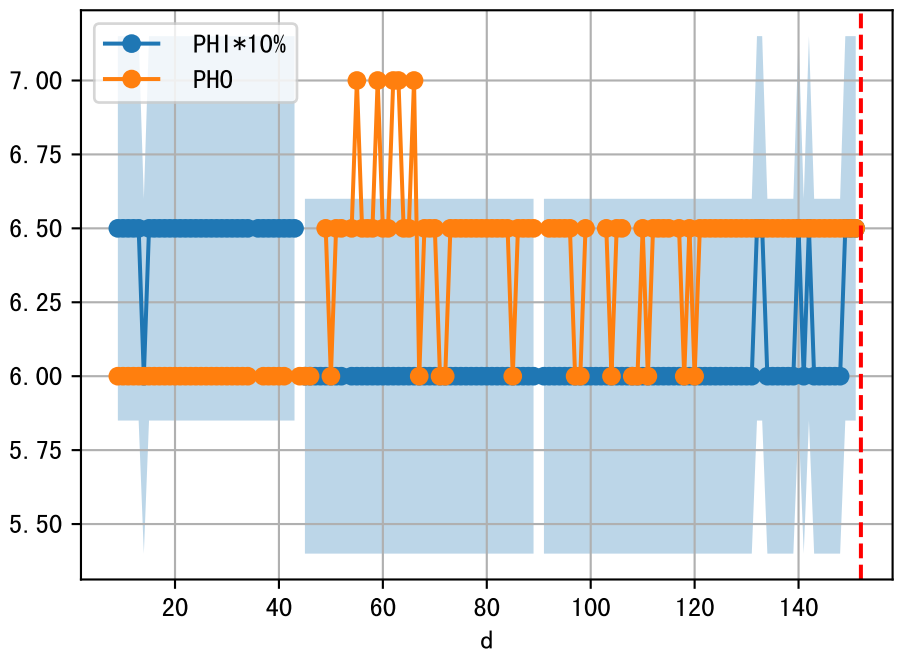

1 setVI
d

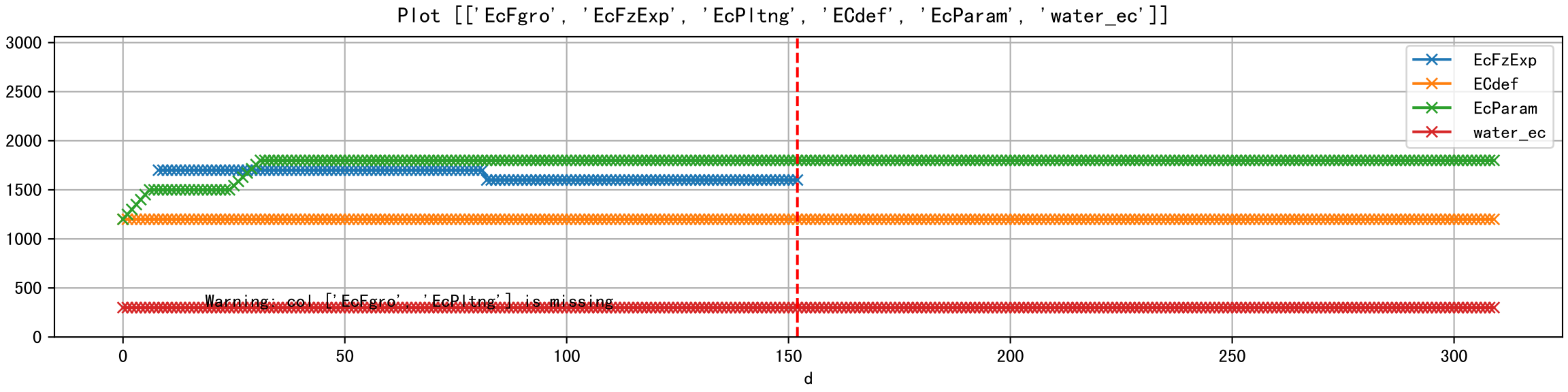

2 setVI
d

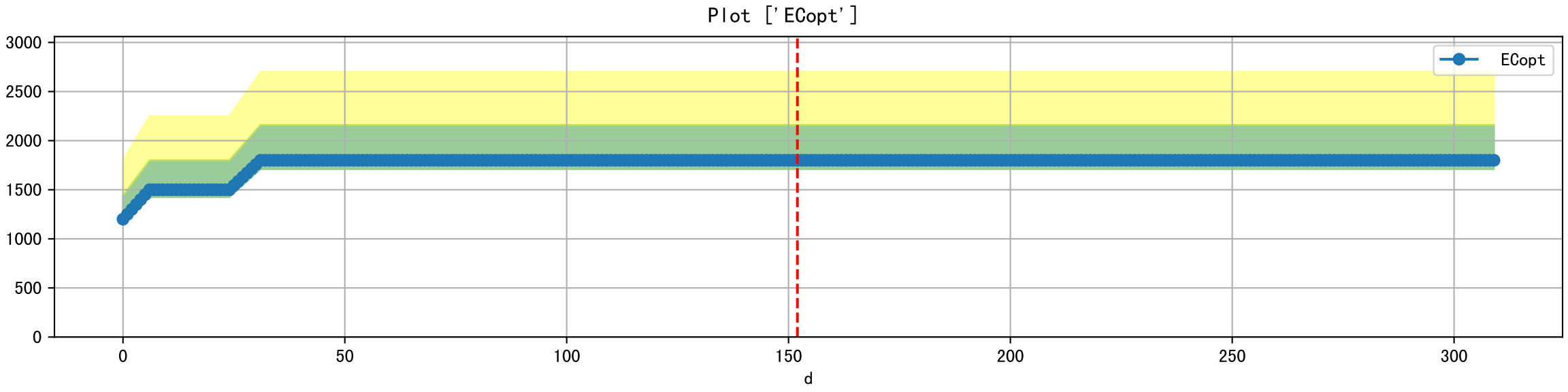

1 (fgArea = NA)
ECI*10%
ECO
4000
3500
3000
2500
2000
1500
1000
500
0
20
40
60
80
100
120
140
d

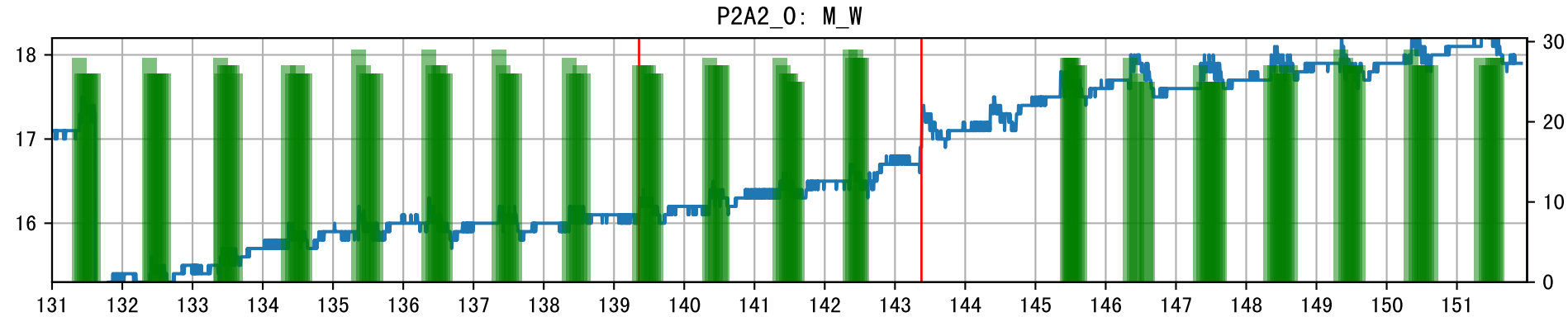

2 (fgArea = NA)
ECI*10%
ECO
3500
3000
2500
2000
1500
20
40
60
80
100
120
140
d


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

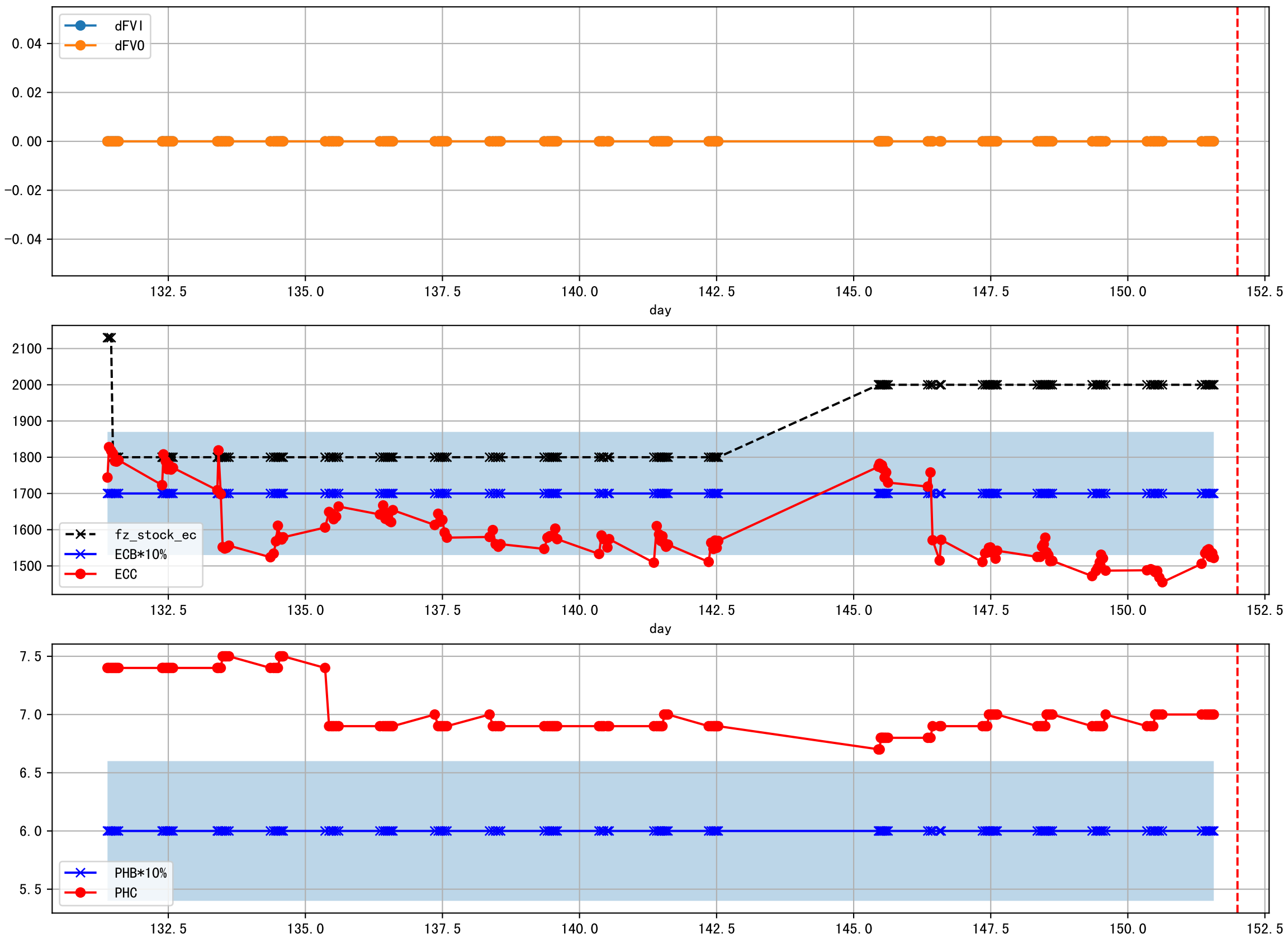

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
140
d

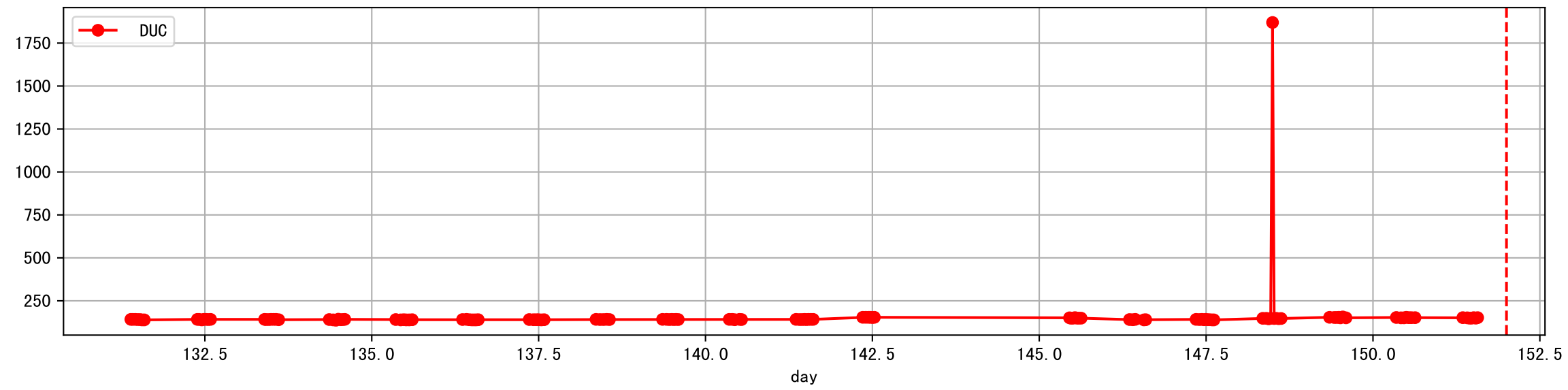

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

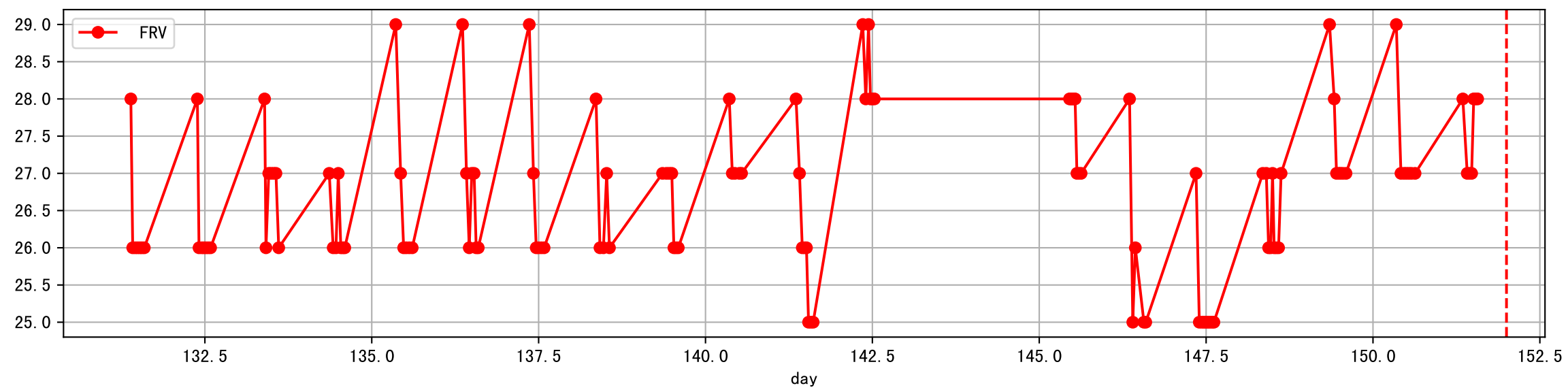

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

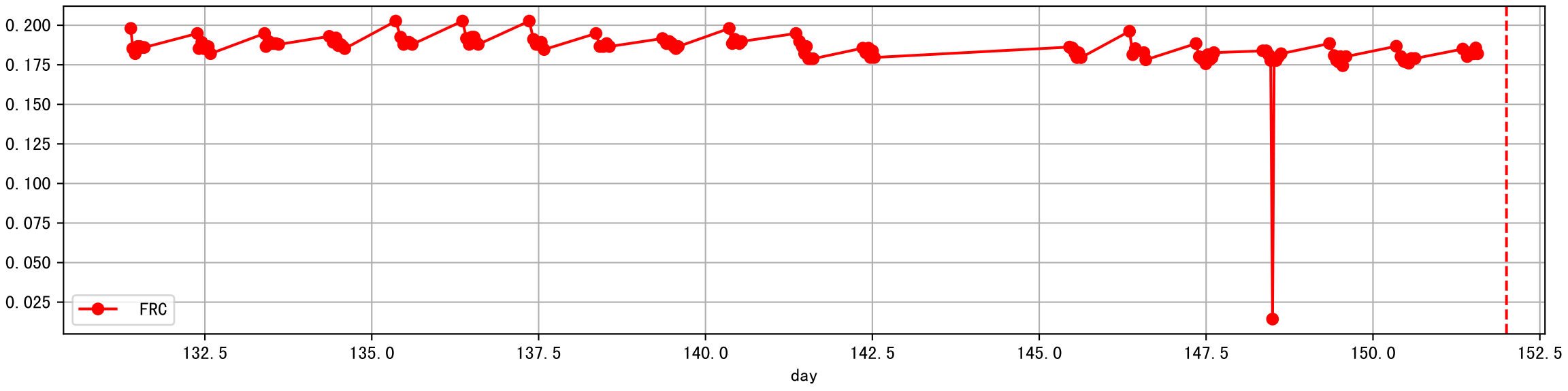

P2A2_O: M_W
18
17
16
30
20
10
0
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151

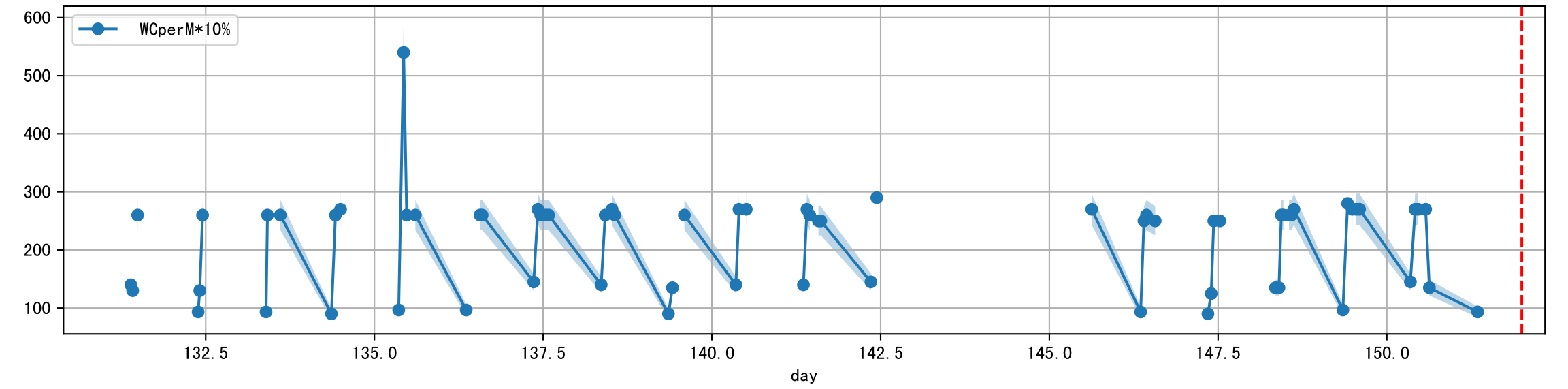
Plot Sensor and FgRec Data

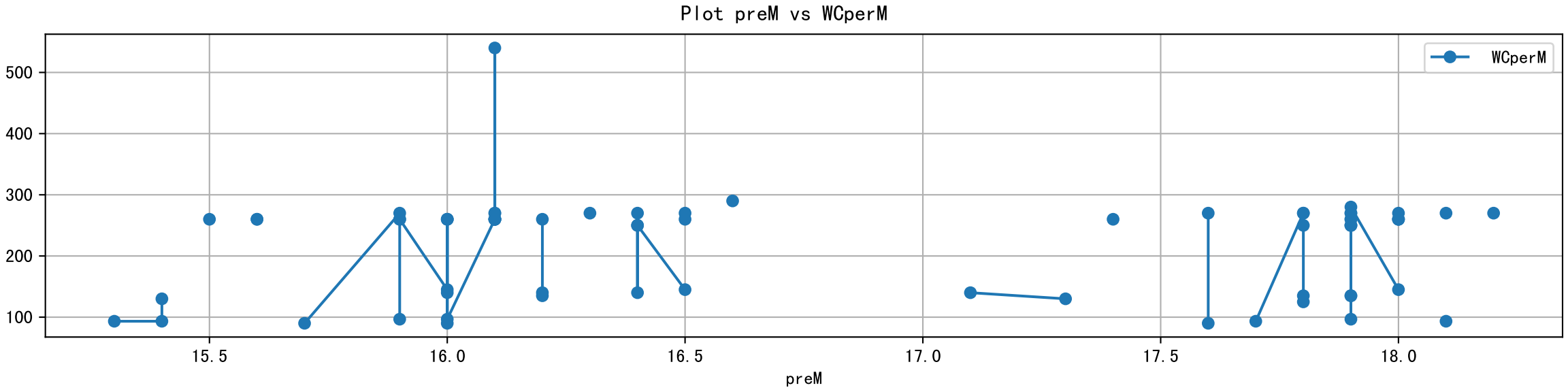


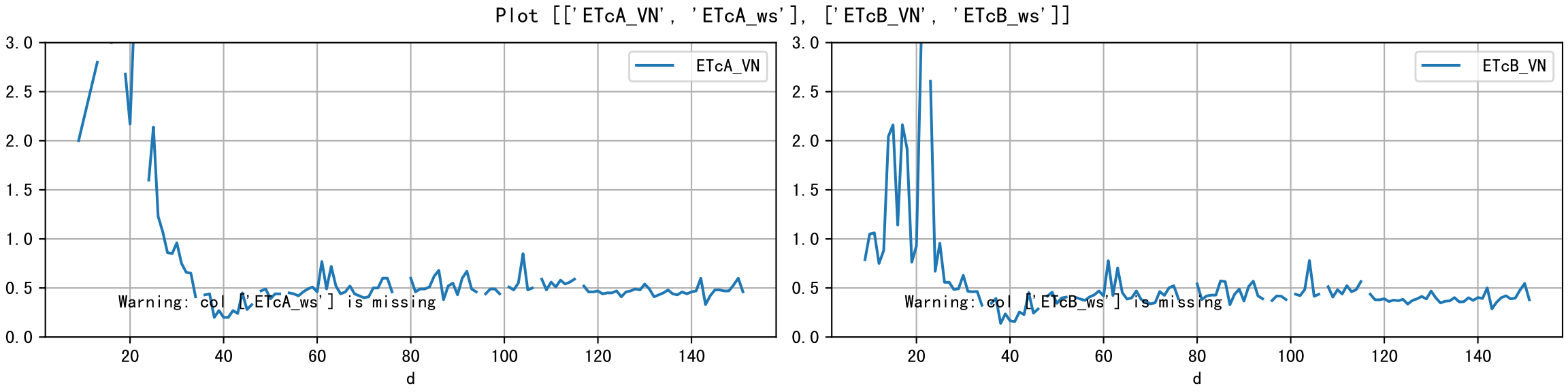


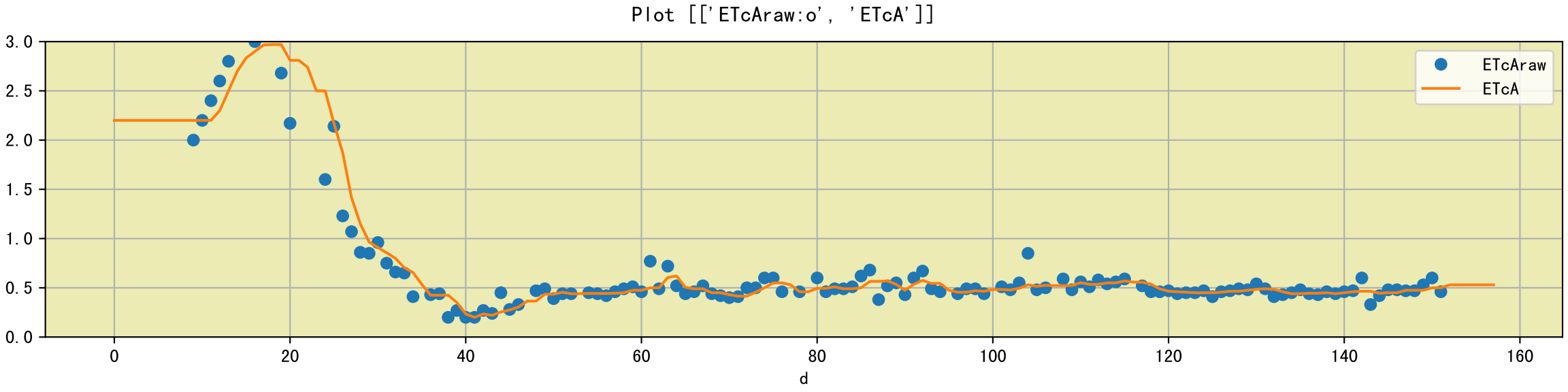


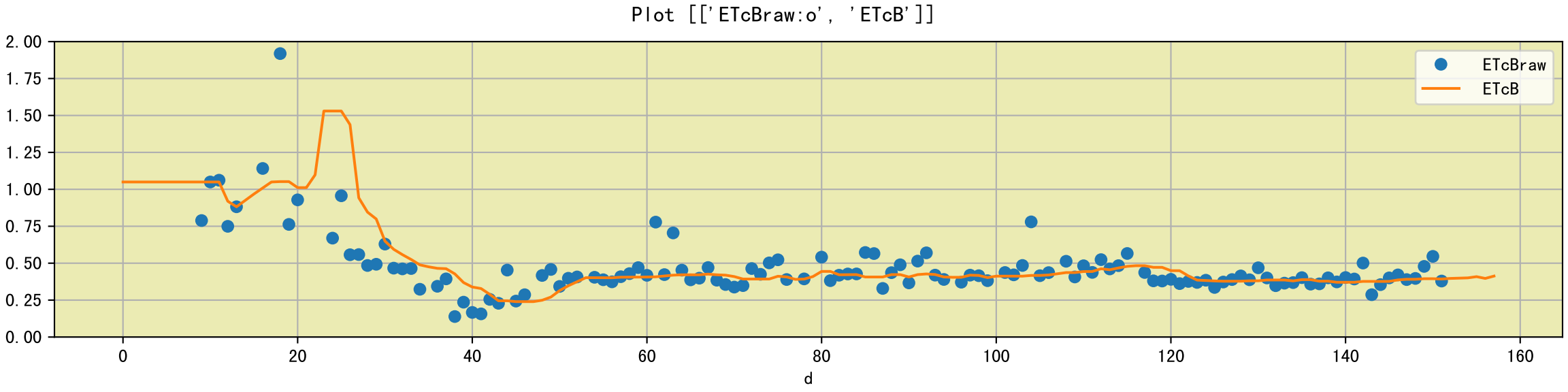




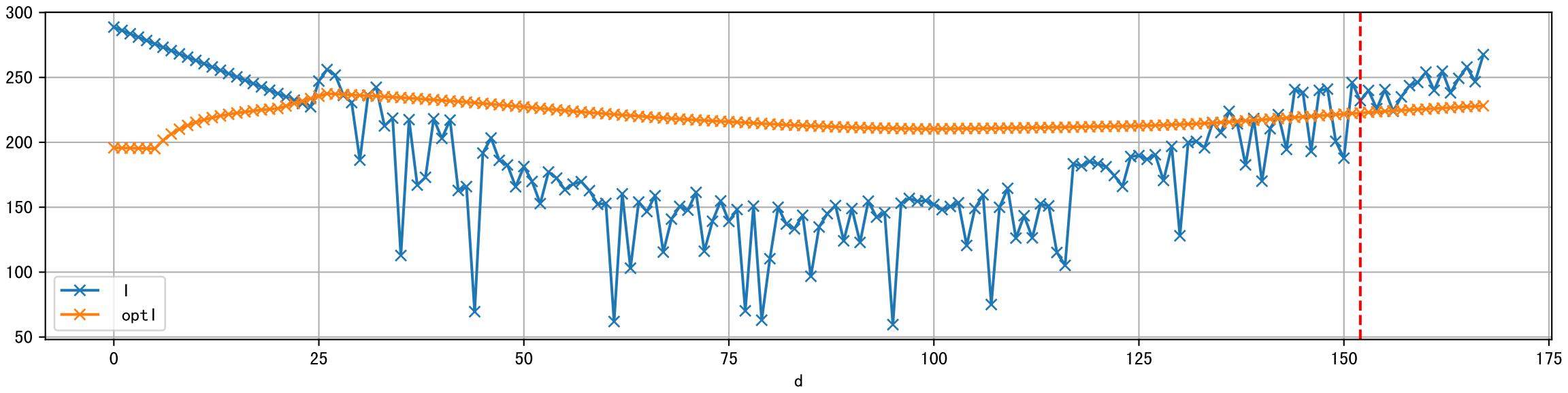

Plot preM vs WCperM
WCperM
500
400
300
200
100
15.5
16.0
16.5
17.0
17.5
18.0
preM

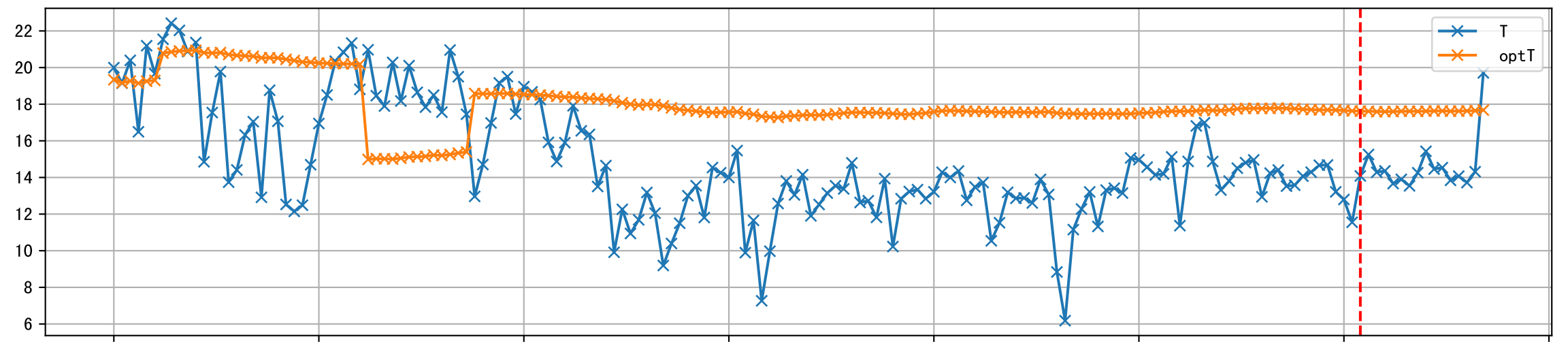

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

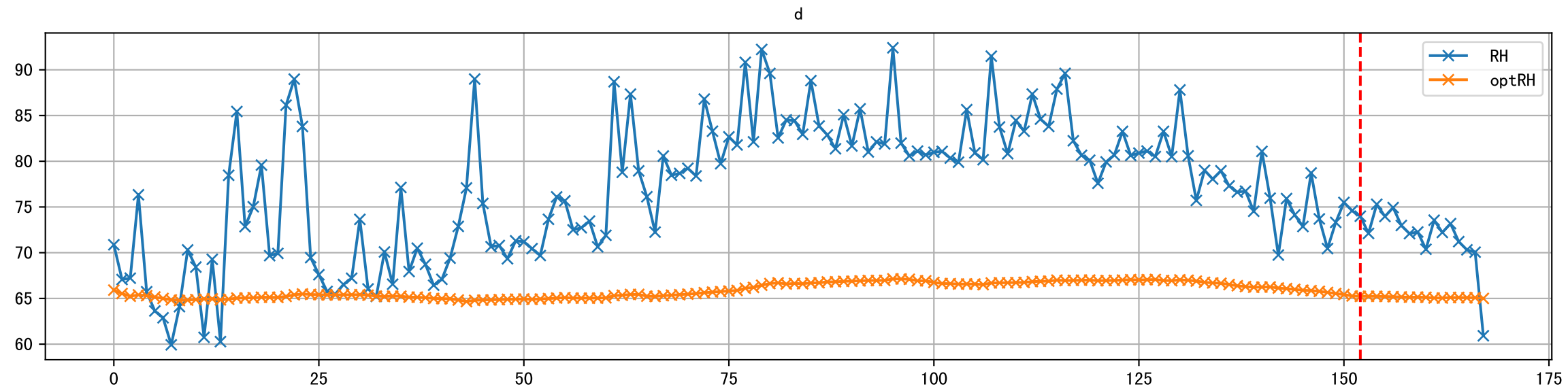

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
160
d

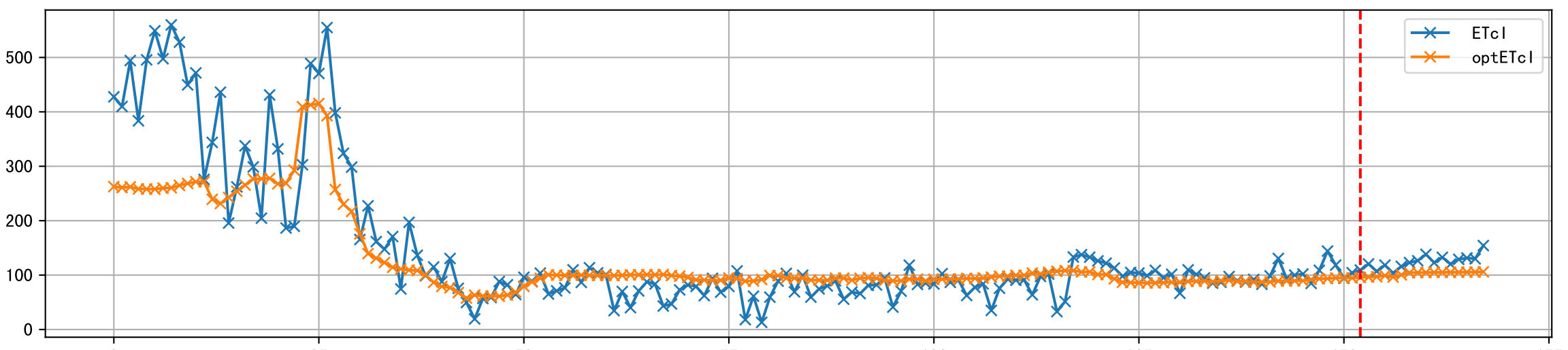

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
160
d

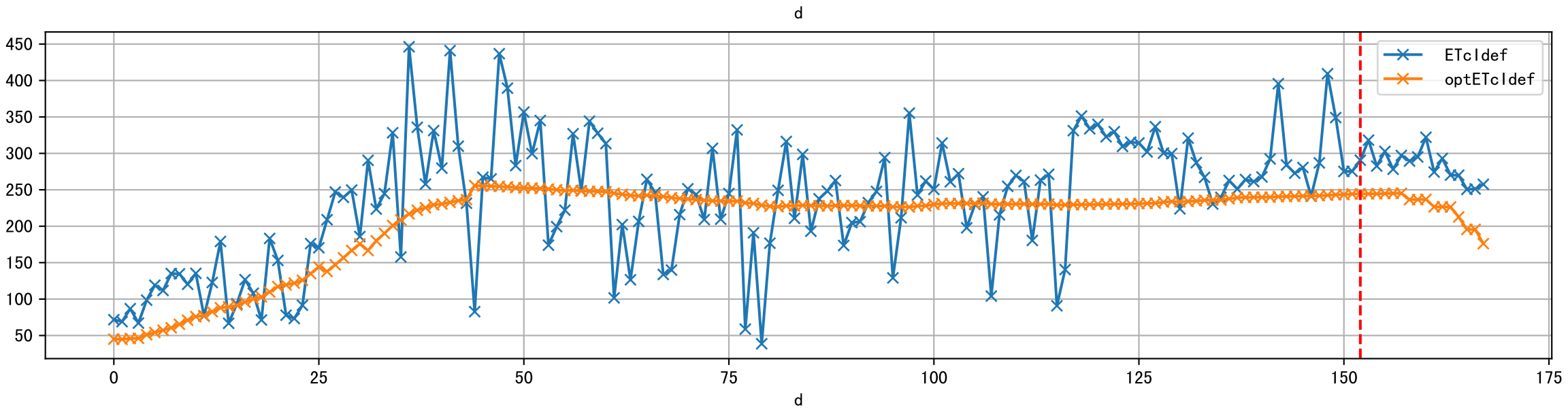
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

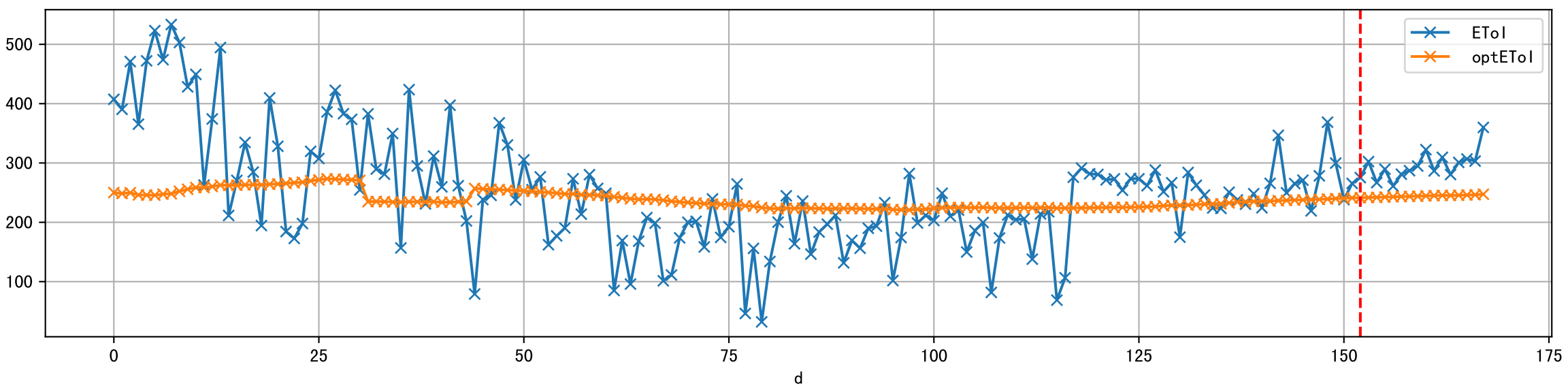


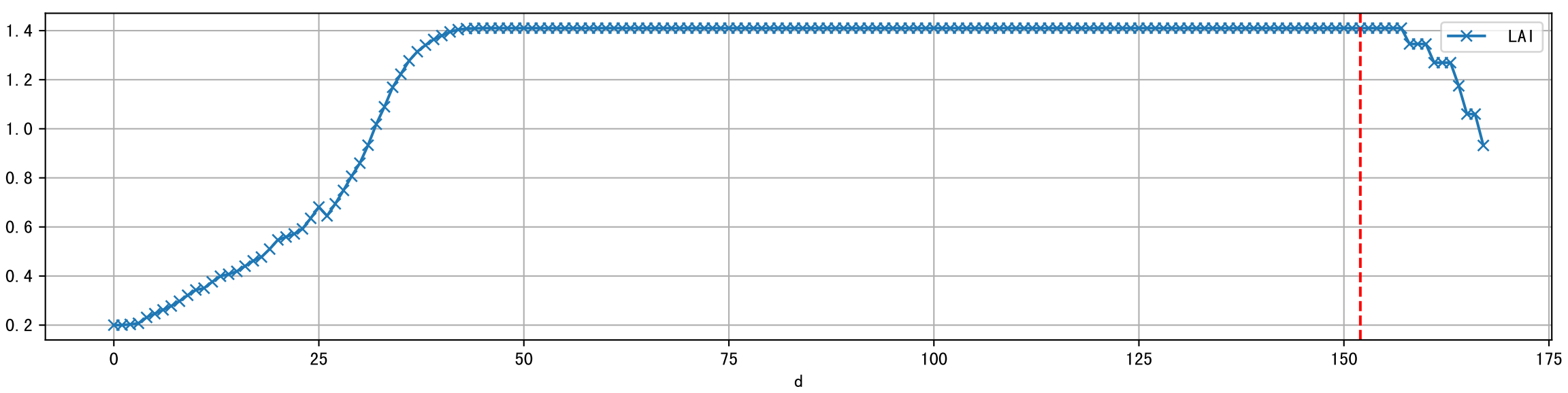


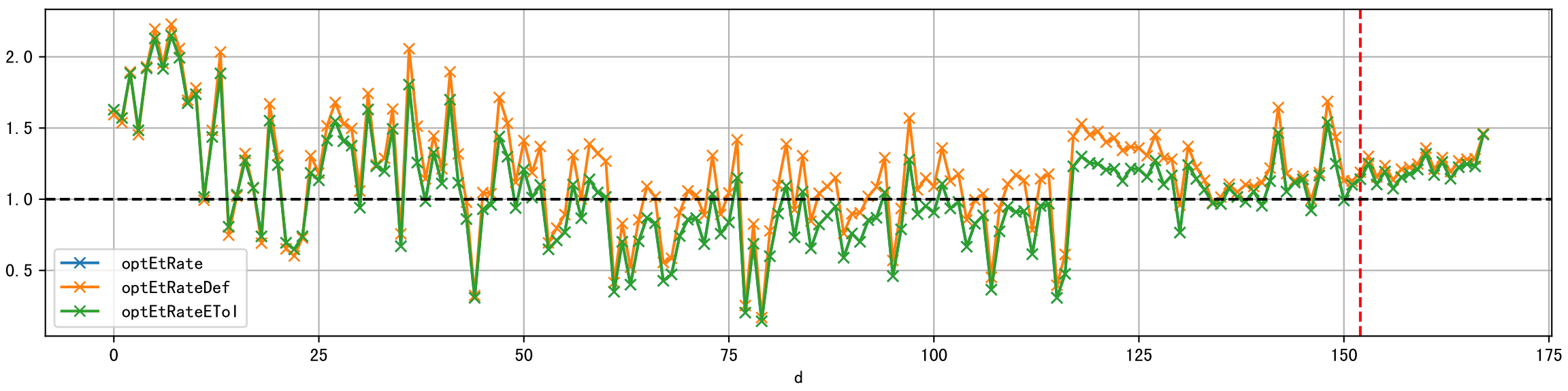


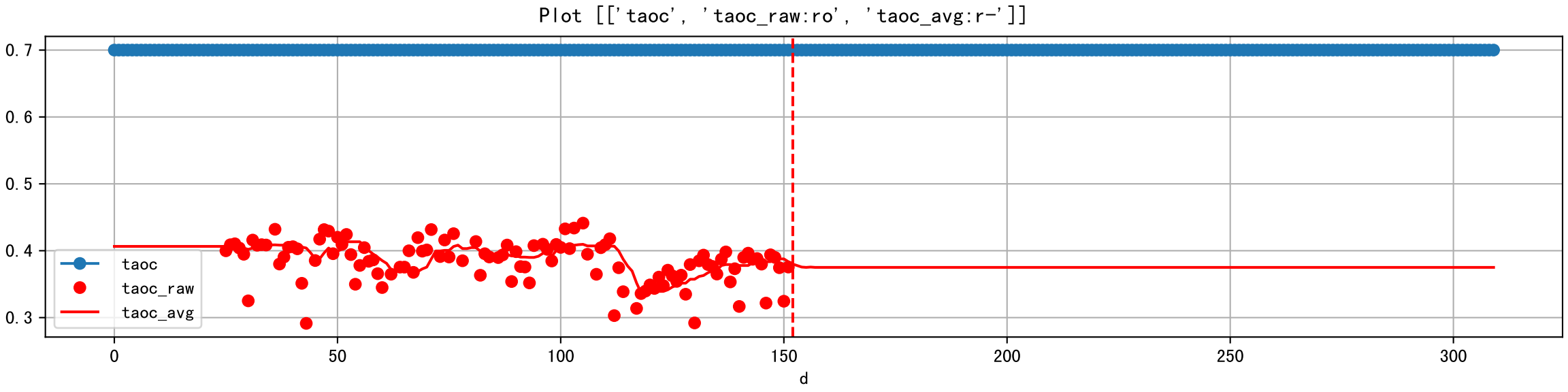


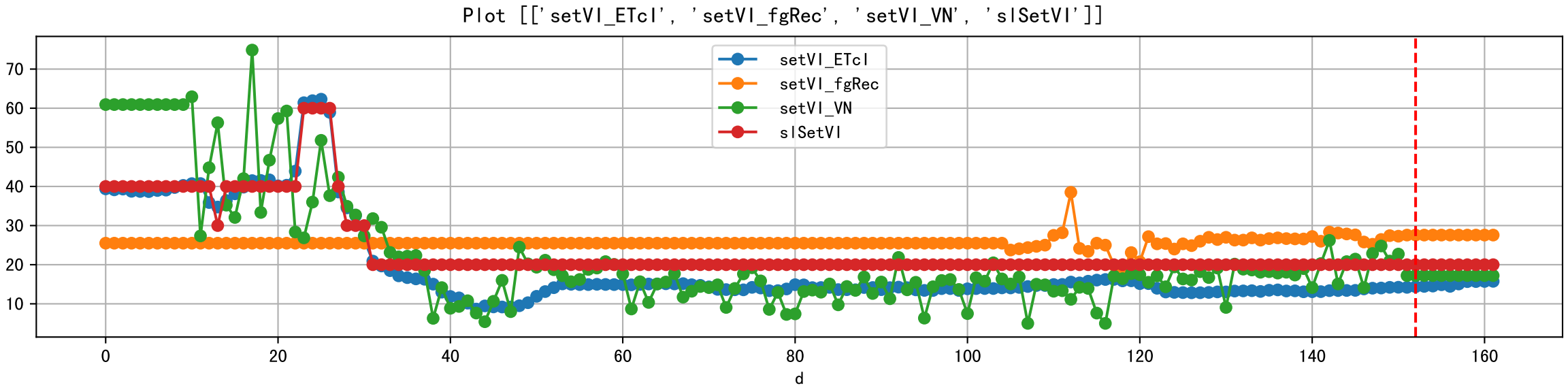


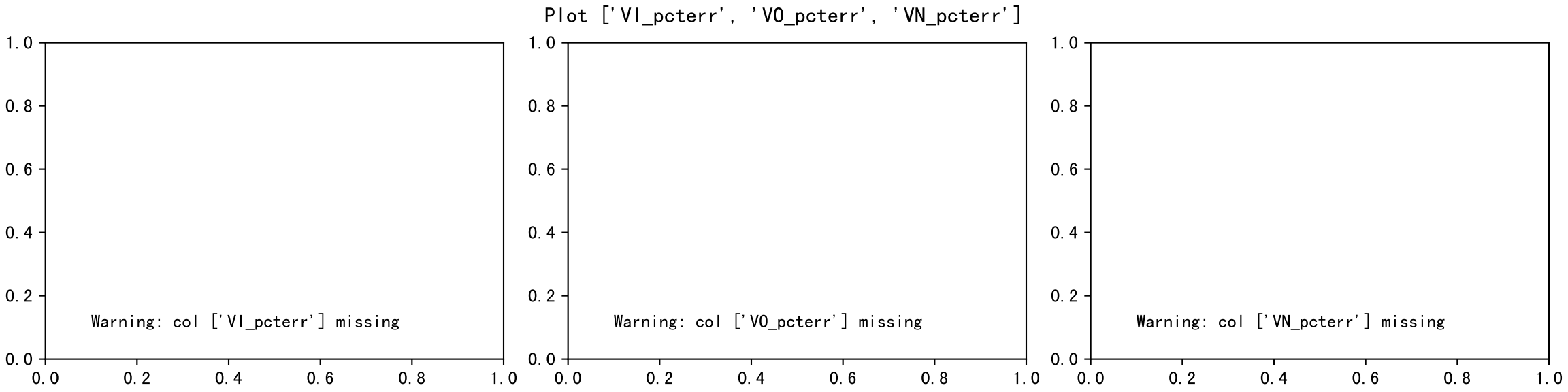


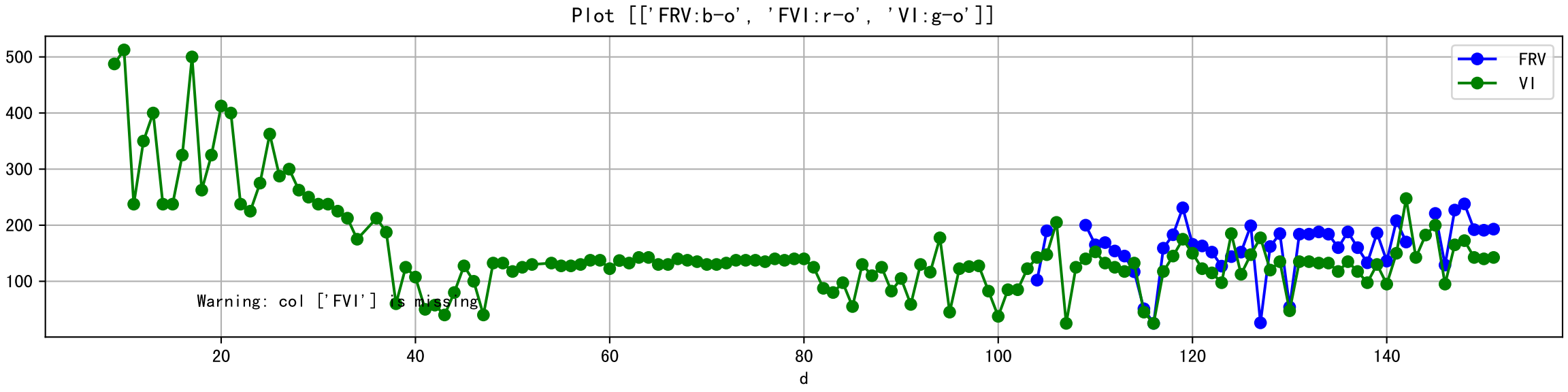


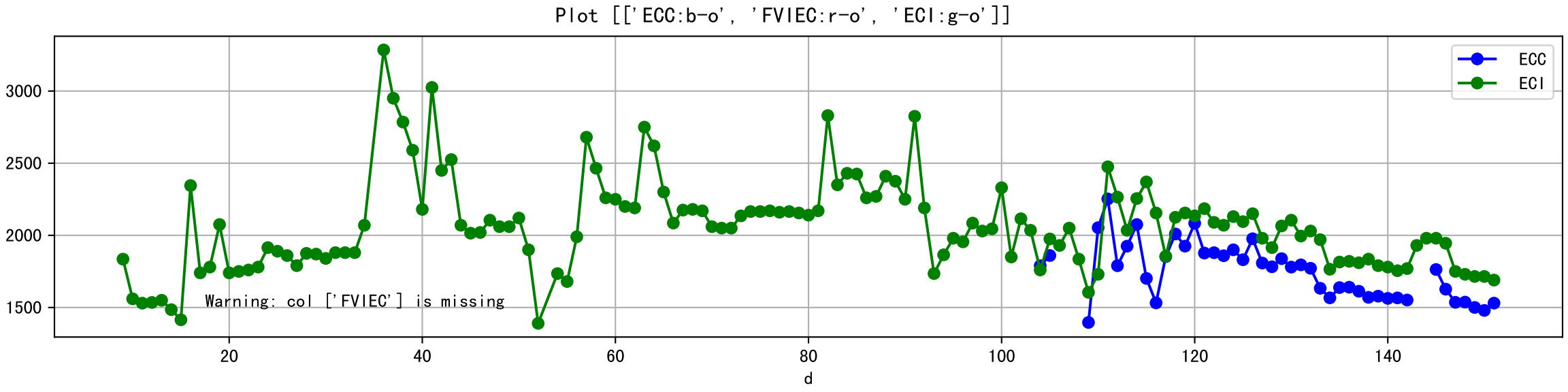


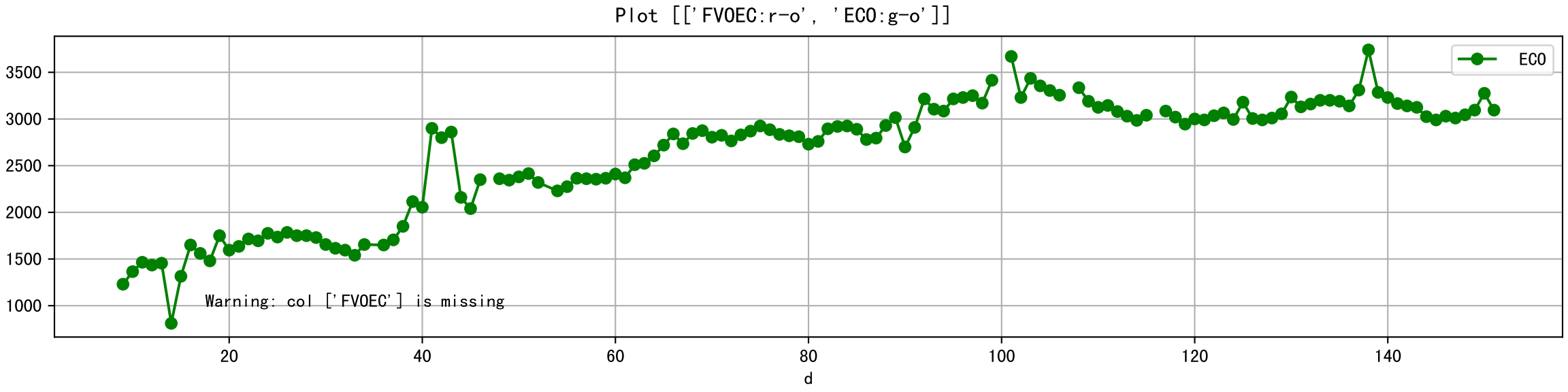

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.7
0.6
0.5
0.4
0.3
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

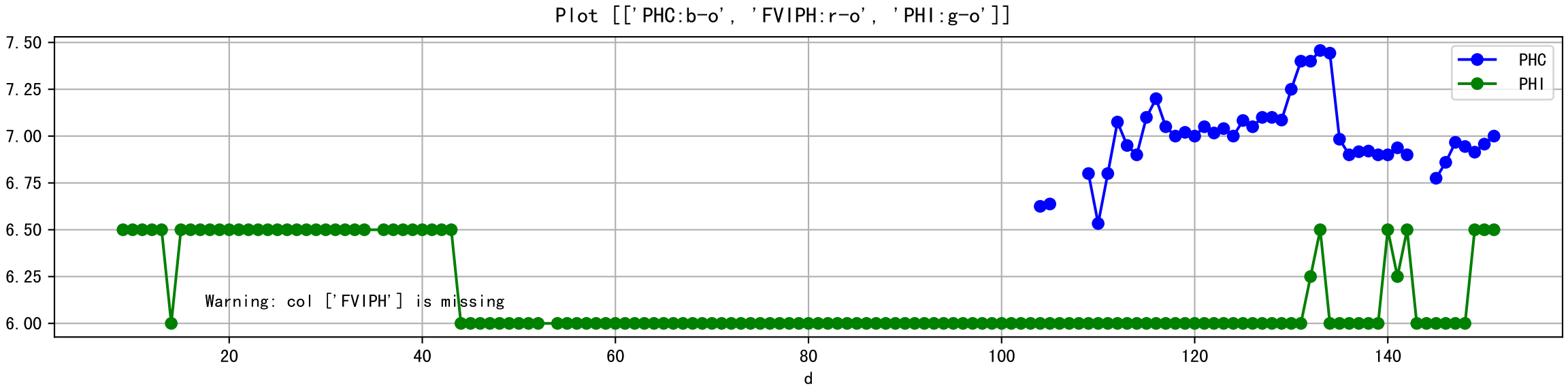

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
70
60
50
40
30
20
10
0
20
40
60
80
100
120
140
160
d

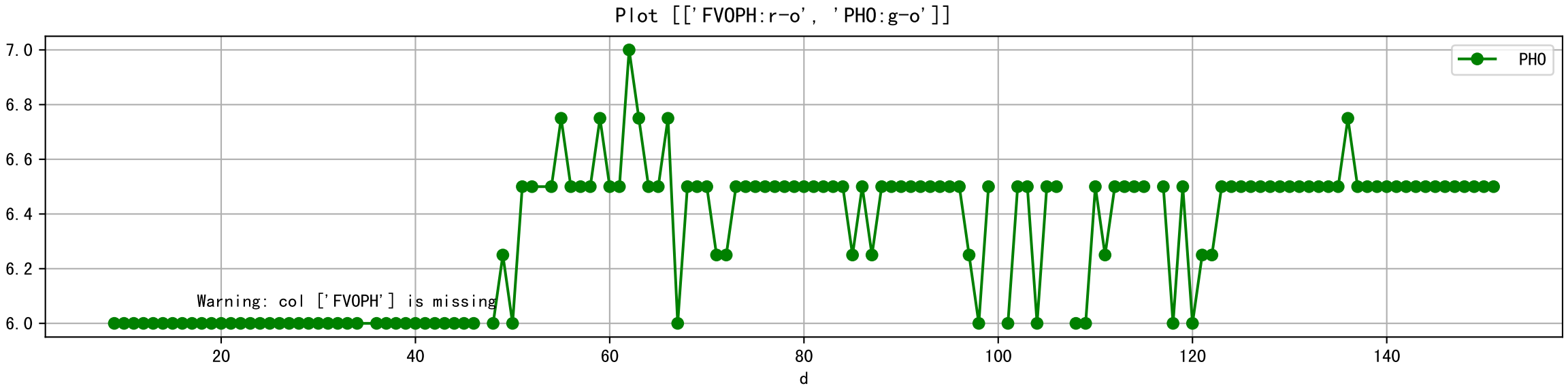

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

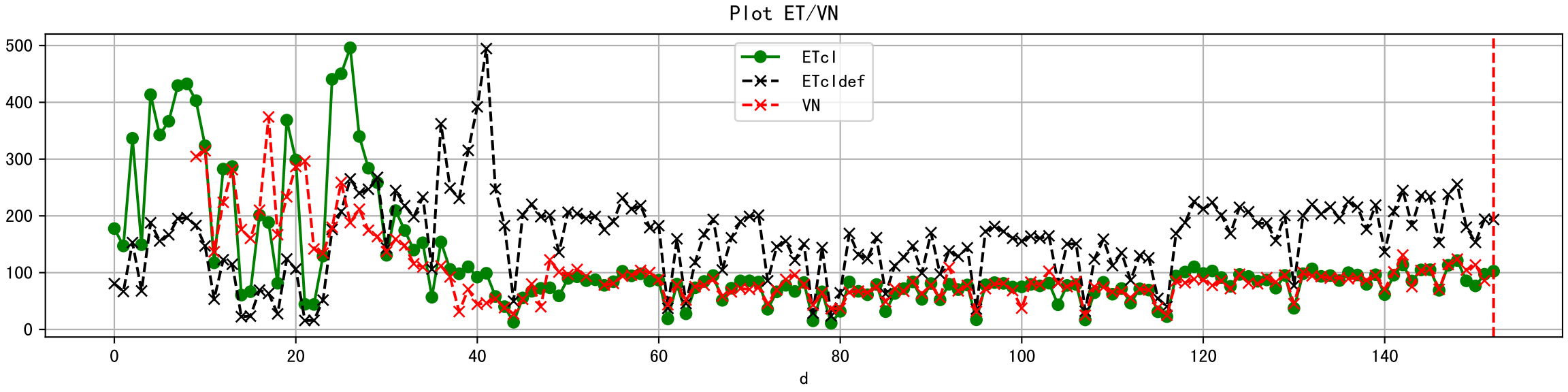

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
500
400
300
200
100
20
40
60
80
100
120
140
d

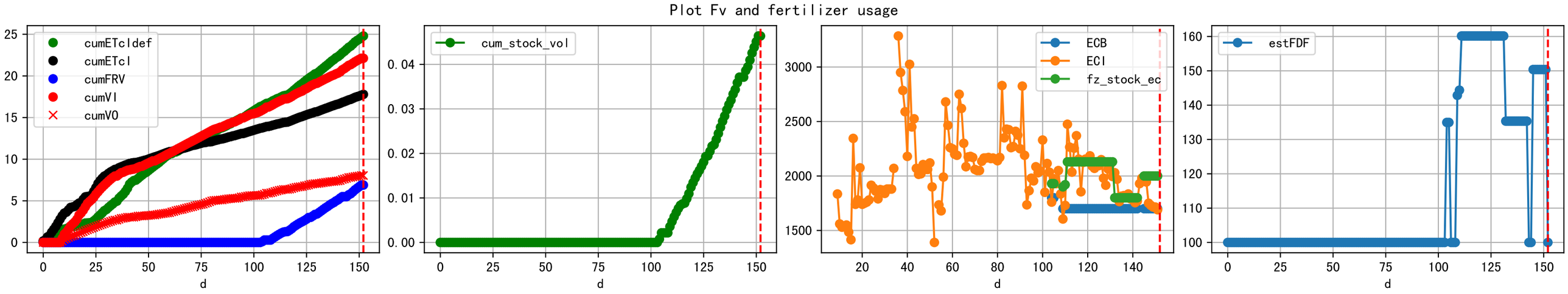

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
3000
2500
2000
1500
20
40
60
80
100
120
140
d

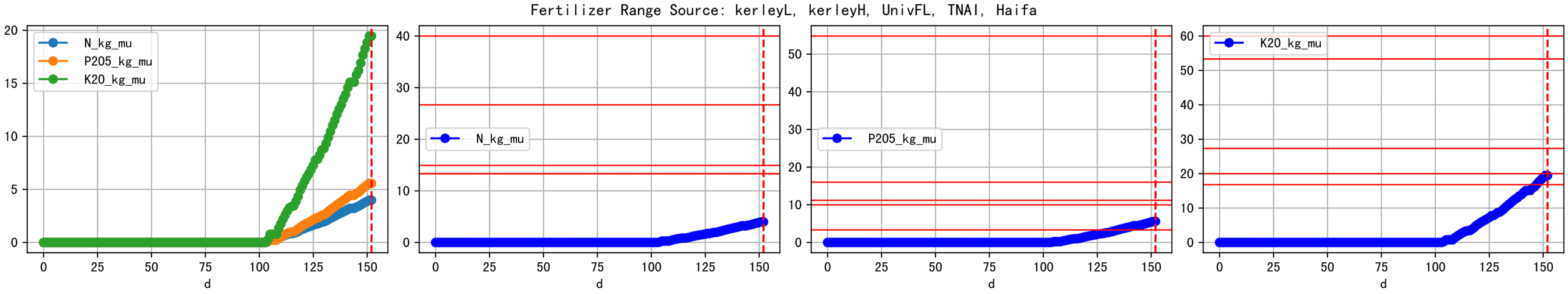

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3500
3000
2500
2000
1500
1000
20
40
60
80
100
120
140
d

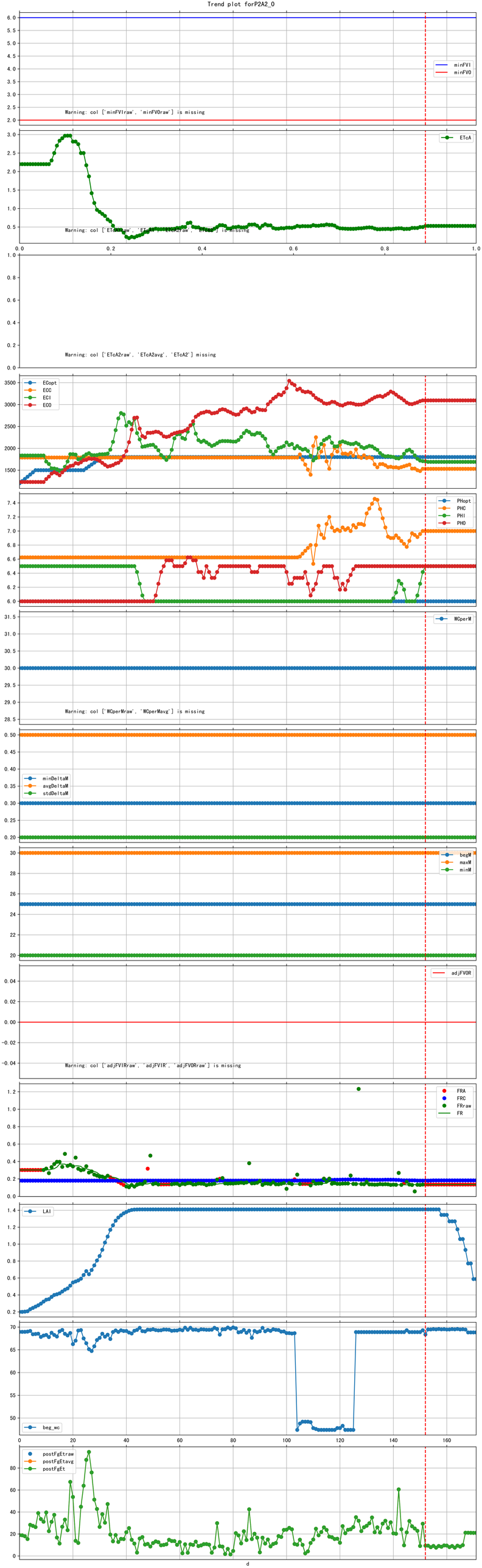

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
20
40
60
80
100
120
140
d
PHC
PHI
Warning: col ['FVIPH'] is missing

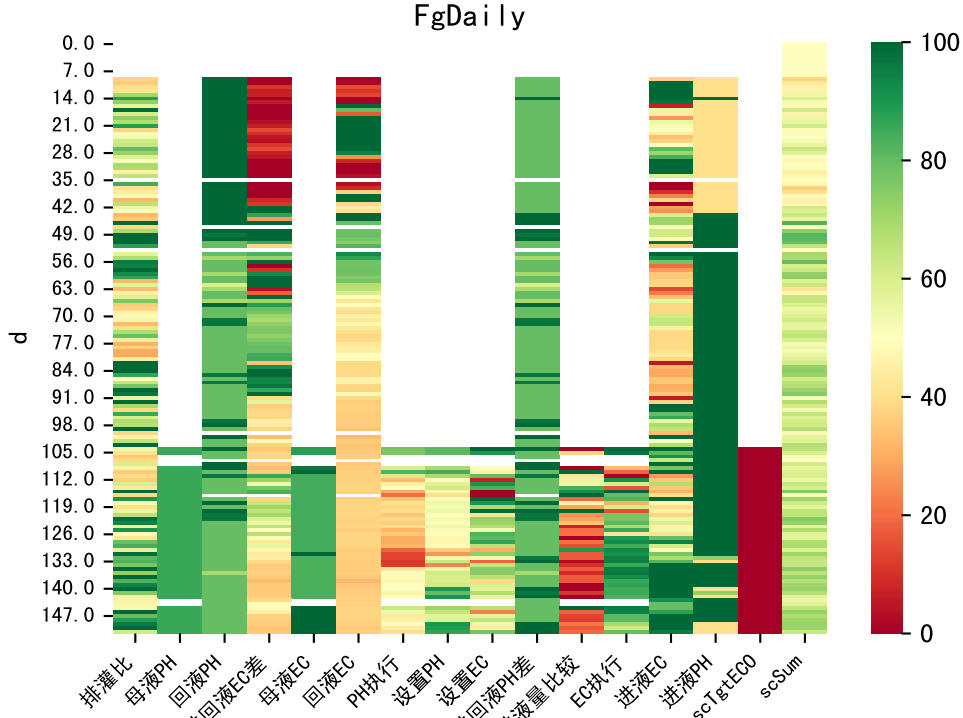

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
120
140
d


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

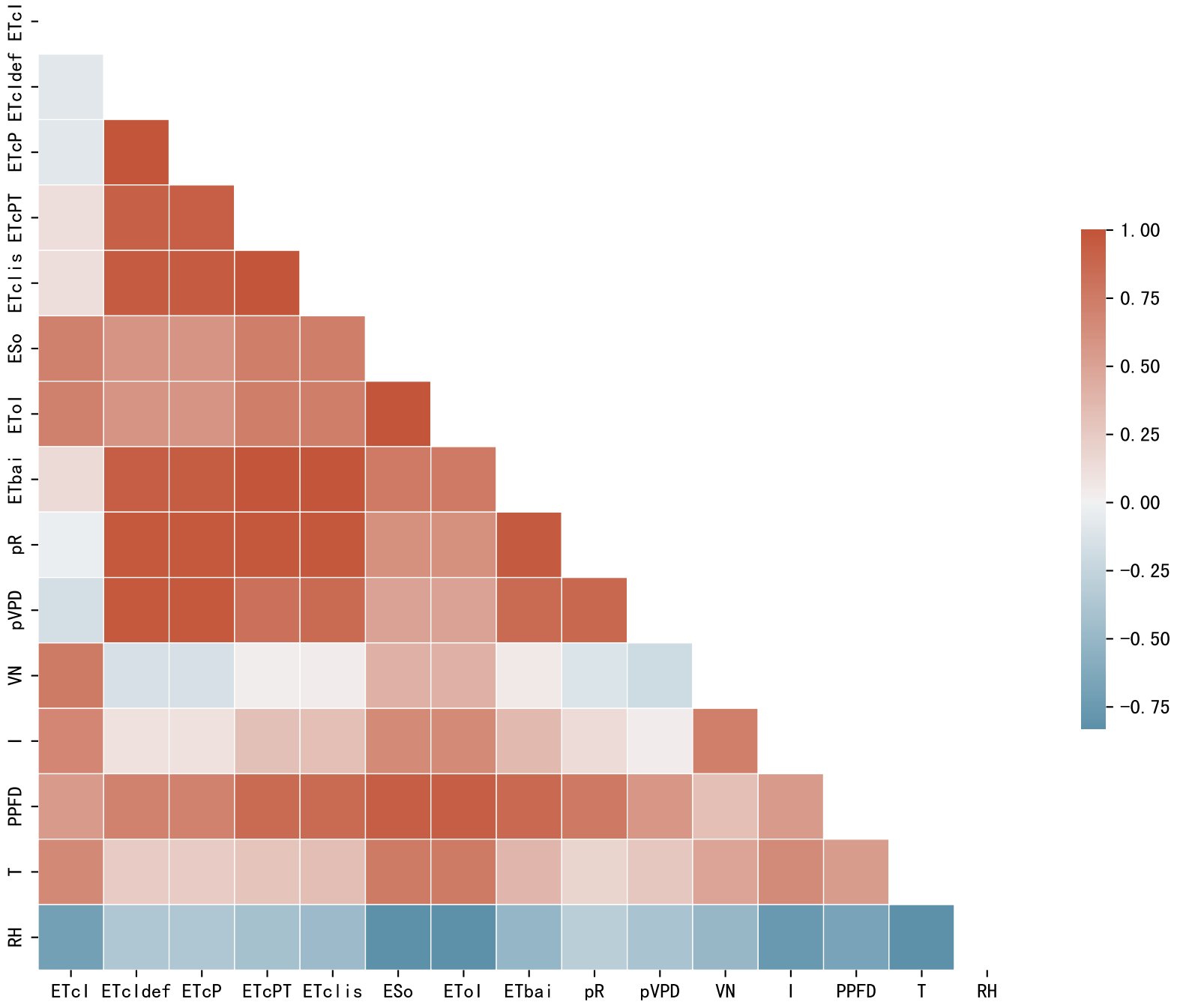

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

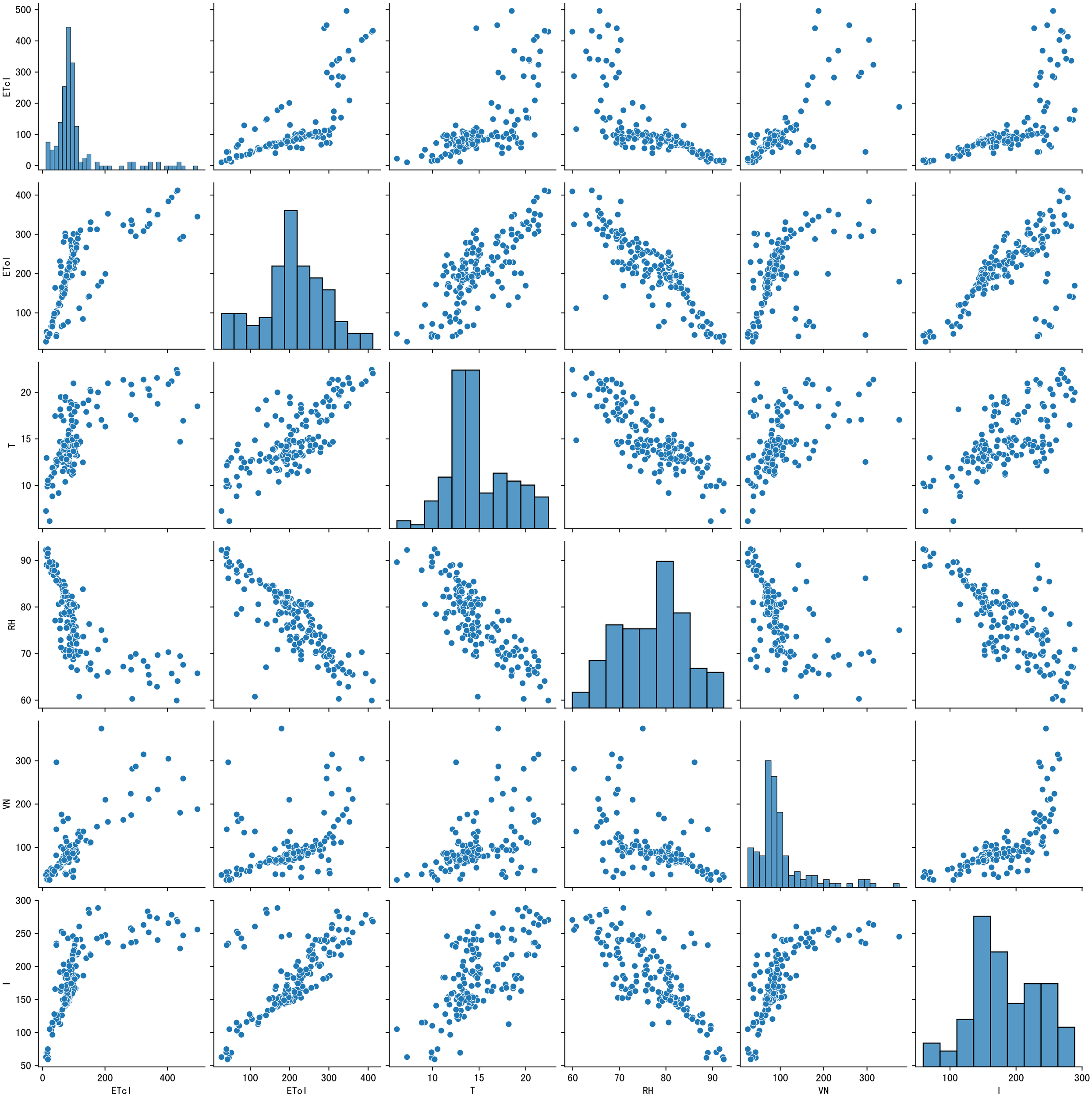

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

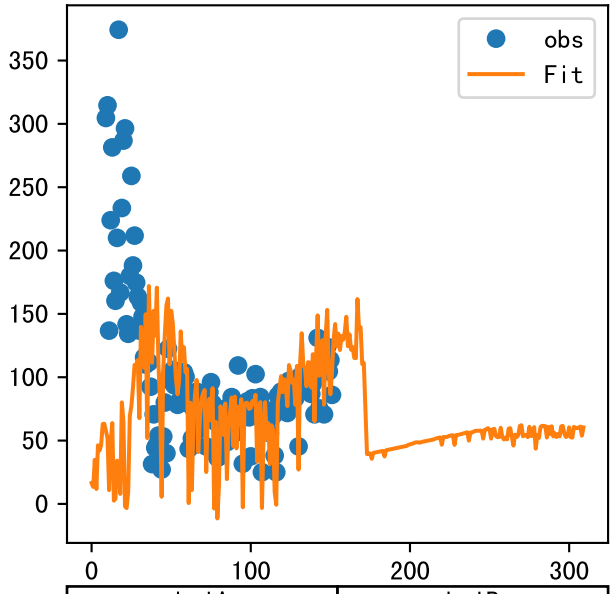

Trend plot forP2A2_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: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

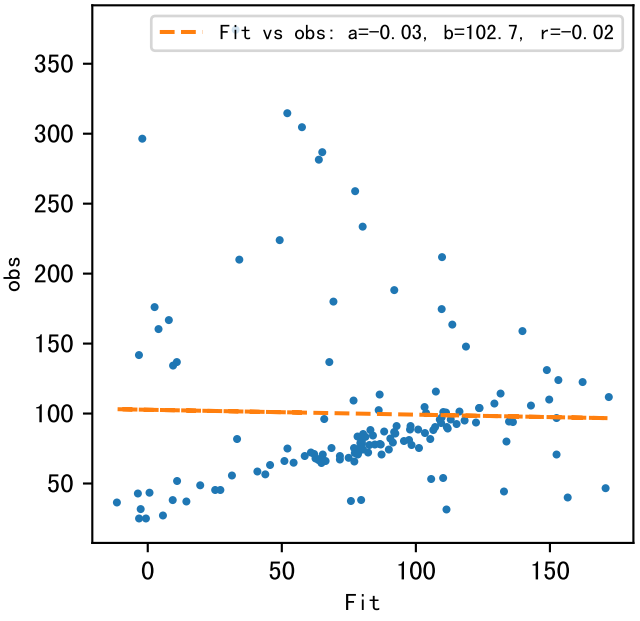

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
140.0
147.0
100
80
60
40
20
0
排灌比
母液PH
回液PH
回液EC差
母液EC
回液EC
PH执行
设置PH
设置EC
回液PH差
液量比较
EC执行
进液EC
进液PH
scTgtEC0
scSum

P2A2_0
ETcl
ETbai
VN
T
PPFD
I
RH
ETclis
ETcPT
ETcRn
d

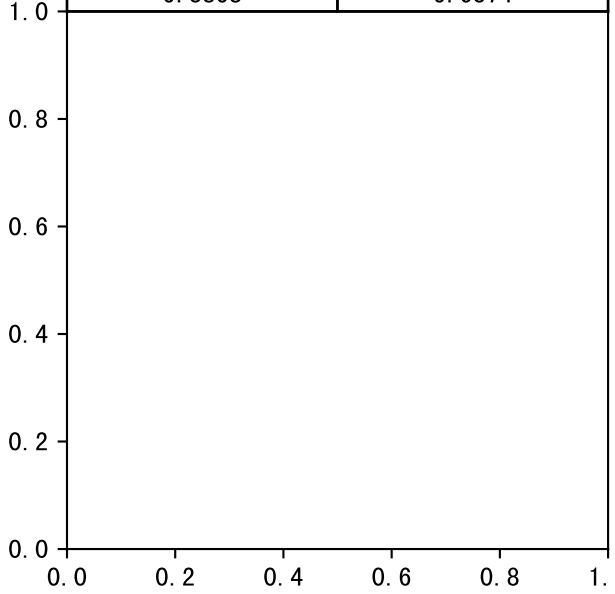

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

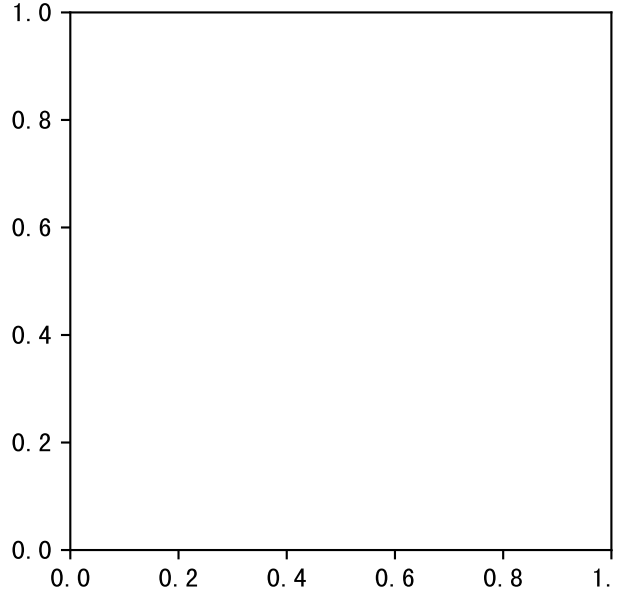

ETcI
ETcI
ETcI

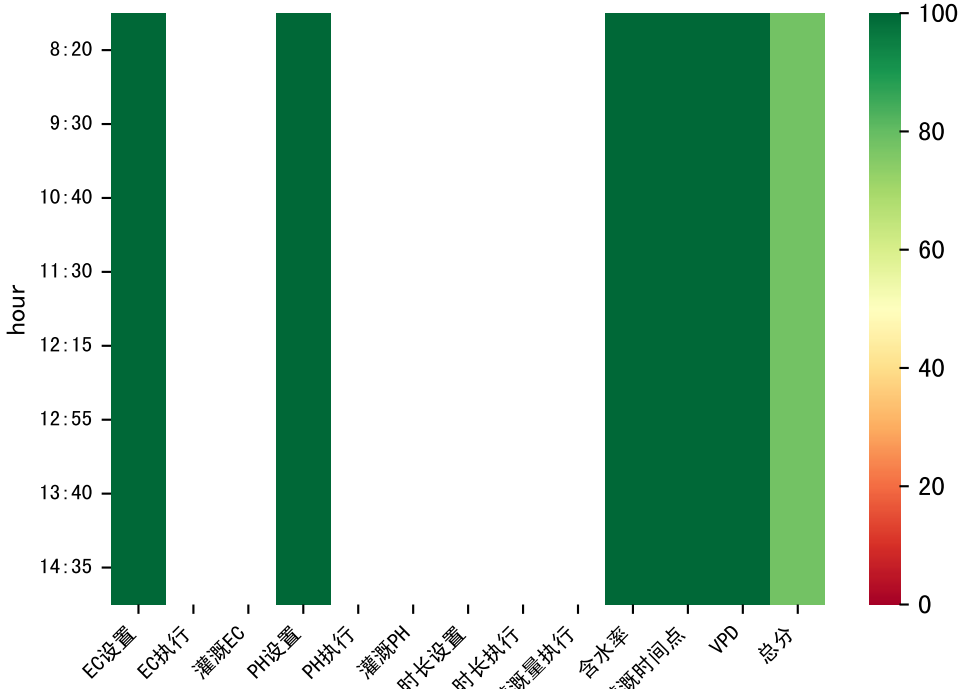




baiA	baiB
0.3808	0.0374

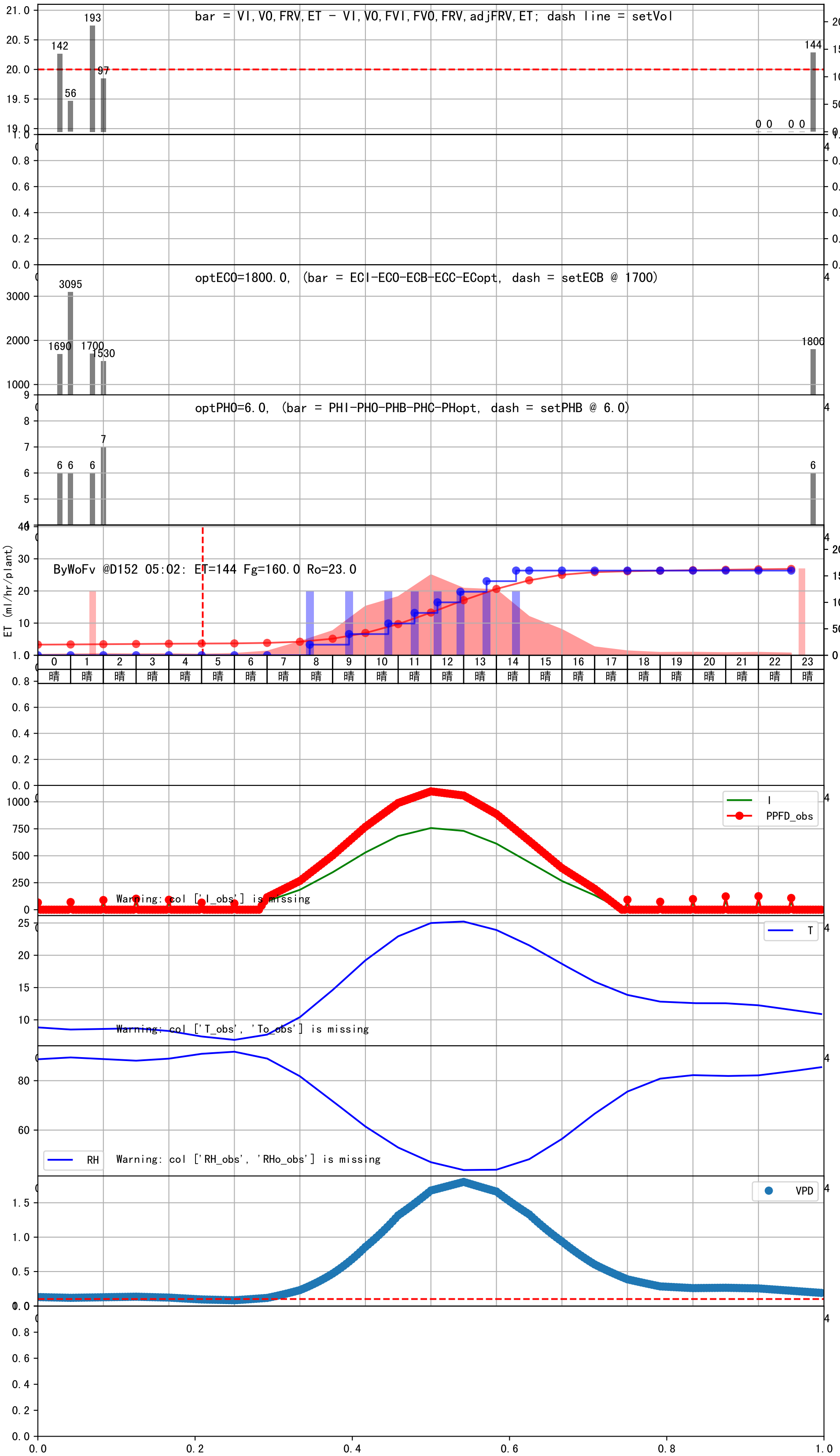


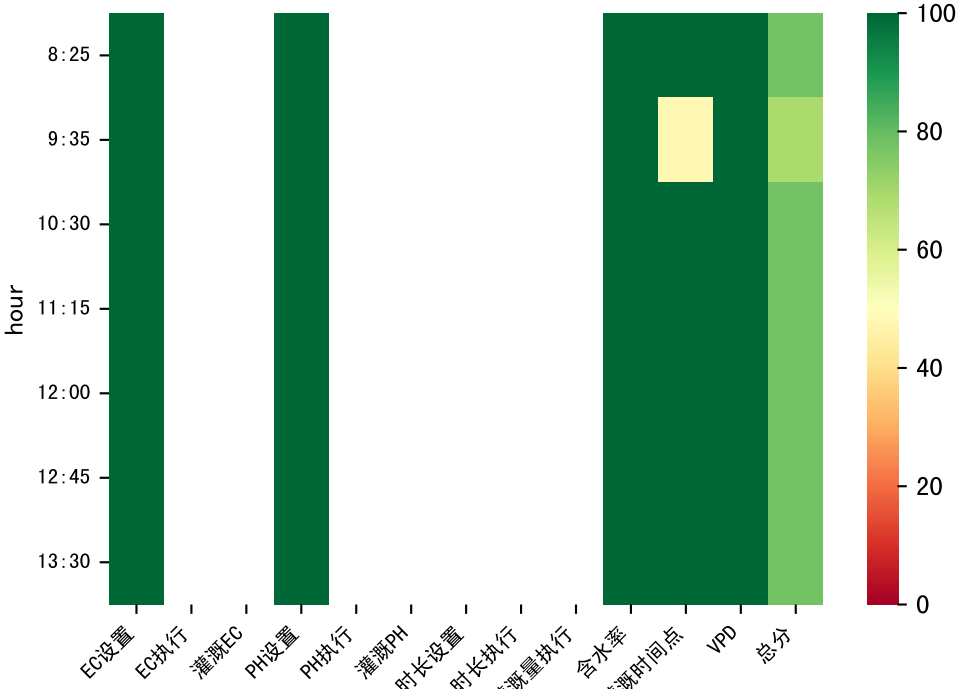



hour
8:20
9:30
10:40
11:30
12:15
12:55
13:40
14:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	154	20.0	0.441	晴	预期@08:20 自主（未用传感器）
09:30	154	20.0	0.441	晴	预期@09:30 自主（未用传感器）
10:40	154	20.0	0.441	晴	预期@10:40 自主（未用传感器）
11:30	154	20.0	0.441	晴	预期@11:30 自主（未用传感器）
12:15	154	20.0	0.441	晴	预期@12:15 自主（未用传感器）
12:55	154	20.0	0.441	晴	预期@12:55 自主（未用传感器）
13:40	154	20.0	0.441	晴	预期@13:40 自主（未用传感器）
14:35	154	20.0	0.441	晴	预期@14:35 自主（未用传感器）
总计	1232.0 (8次)	160.0			建议进液EC：1700， PH：6.0

P2A2_0, Day=152 (2026-02-23)

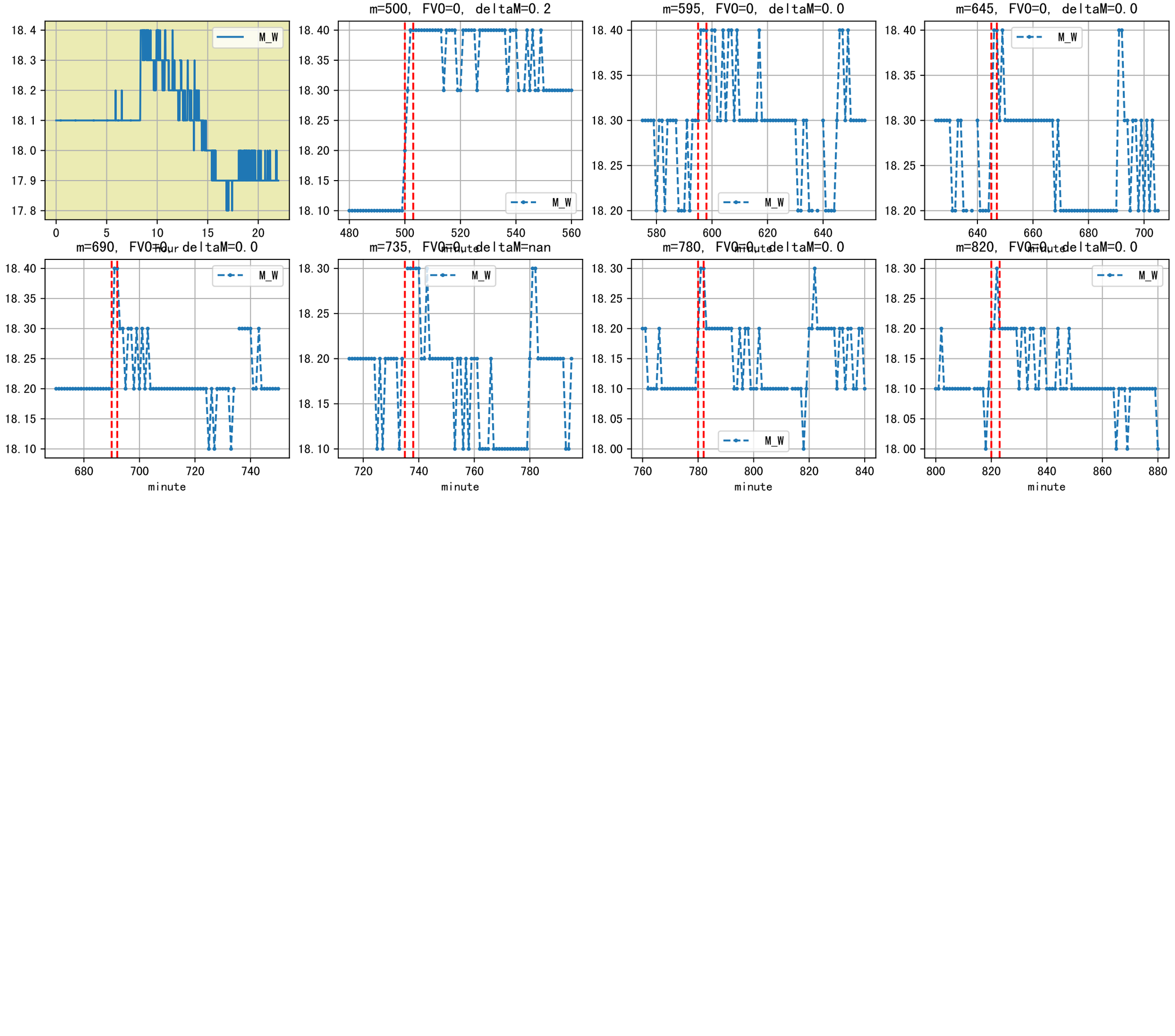


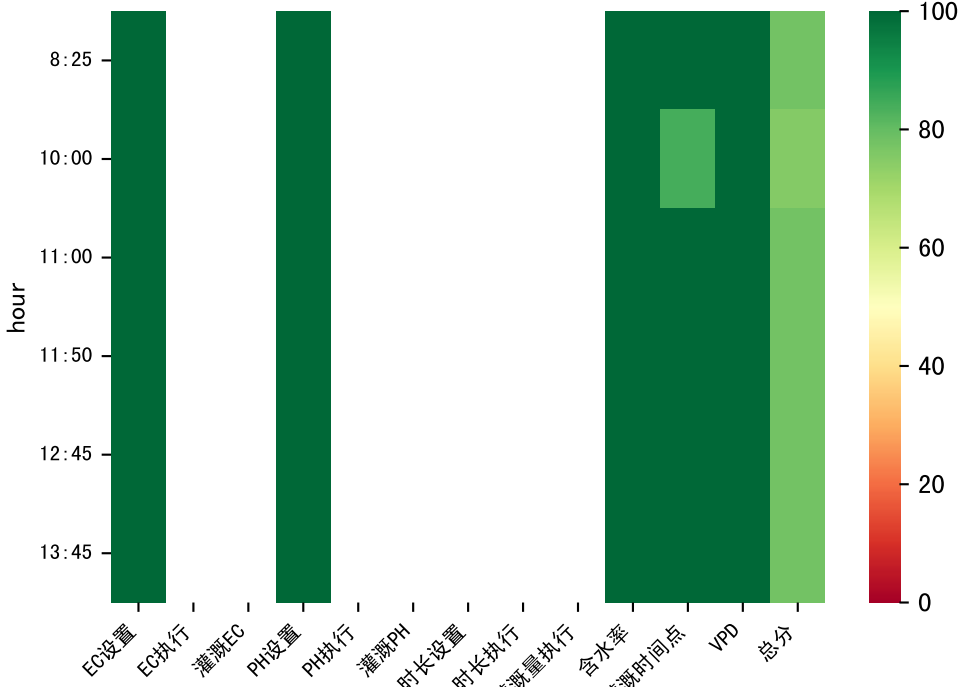

hour
8:25
9:35
10:30
11:15
12:00
12:45
13:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	152	20.0	0.441	多云	假设@08:25 自动（未用传感器）
09:35	152	20.0	0.441	晴	假设@09:35 自动（未用传感器）
10:30	152	20.0	0.441	晴	假设@10:30 自动（未用传感器）
11:15	152	20.0	0.441	晴	假设@11:15 自动（未用传感器）
12:00	152	20.0	0.441	晴	假设@12:00 自动（未用传感器）
12:45	152	20.0	0.441	晴	假设@12:45 自动（未用传感器）
13:30	152	20.0	0.441	晴	假设@13:30 自动（未用传感器）
总计	1064.0 (7次)	140.0			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 (28.0 : 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=151.0 (2026-02-22)

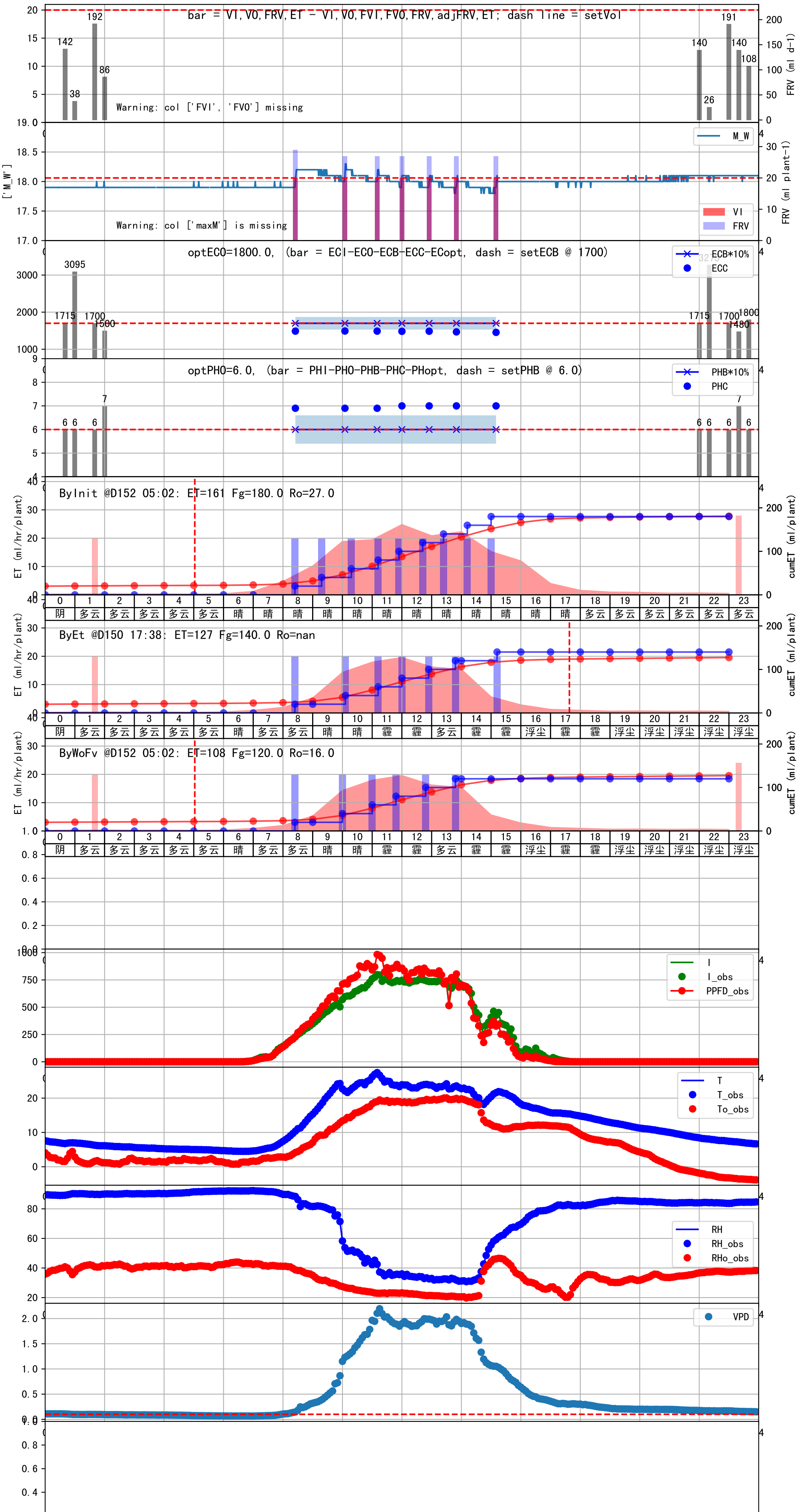

m=500, FV0=0, deltaM=0.2
m=595, FV0=0, deltaM=0.0
m=645, FV0=0, deltaM=0.0
m=690, FV0=0, deltaM=0.0
m=735, FV0=0, deltaM=nan
m=780, FV0=0, deltaM=0.0
m=820, FV0=0, deltaM=0.0
M_W
minute

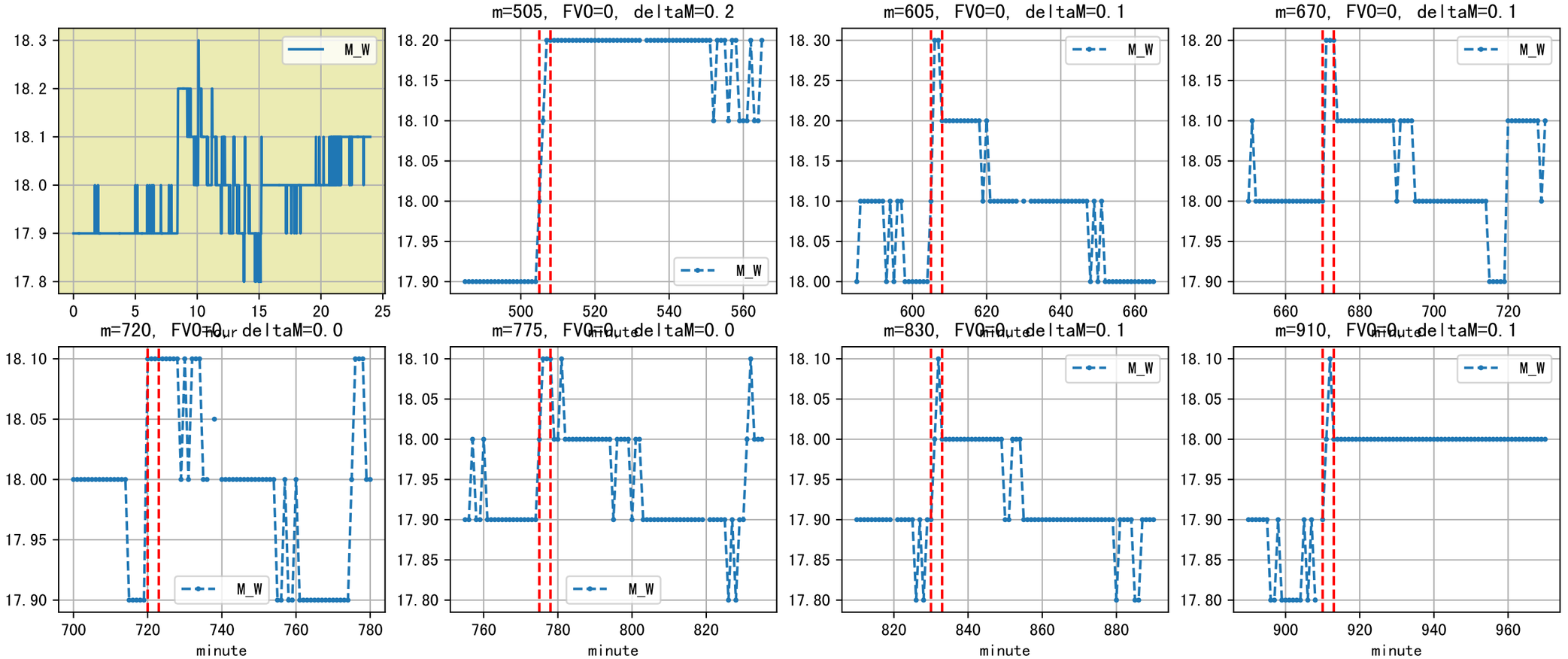

hour
8:25
10:00
11:00
11:50
12:45
13:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

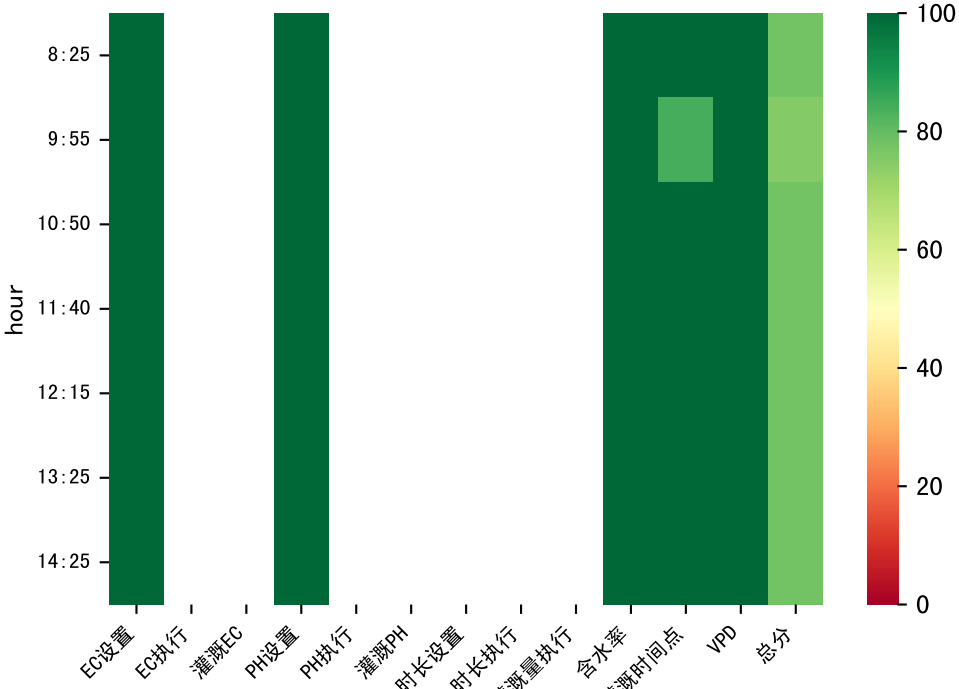
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	153	20.0	0.441	多云	假设@08:25 自动（未用传感器）
10:00	153	20.0	0.441	晴	假设@10:00 自动（未用传感器）
11:00	153	20.0	0.441	霾	假设@11:00 自动（未用传感器）
11:50	153	20.0	0.441	霾	假设@11:50 自动（未用传感器）
12:45	153	20.0	0.441	霾	假设@12:45 自动（未用传感器）
13:45	153	20.0	0.441	多云	假设@13:45 自动（未用传感器）
总计	918.0 (6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 (27.0 : 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=150.0 (2026-02-21)



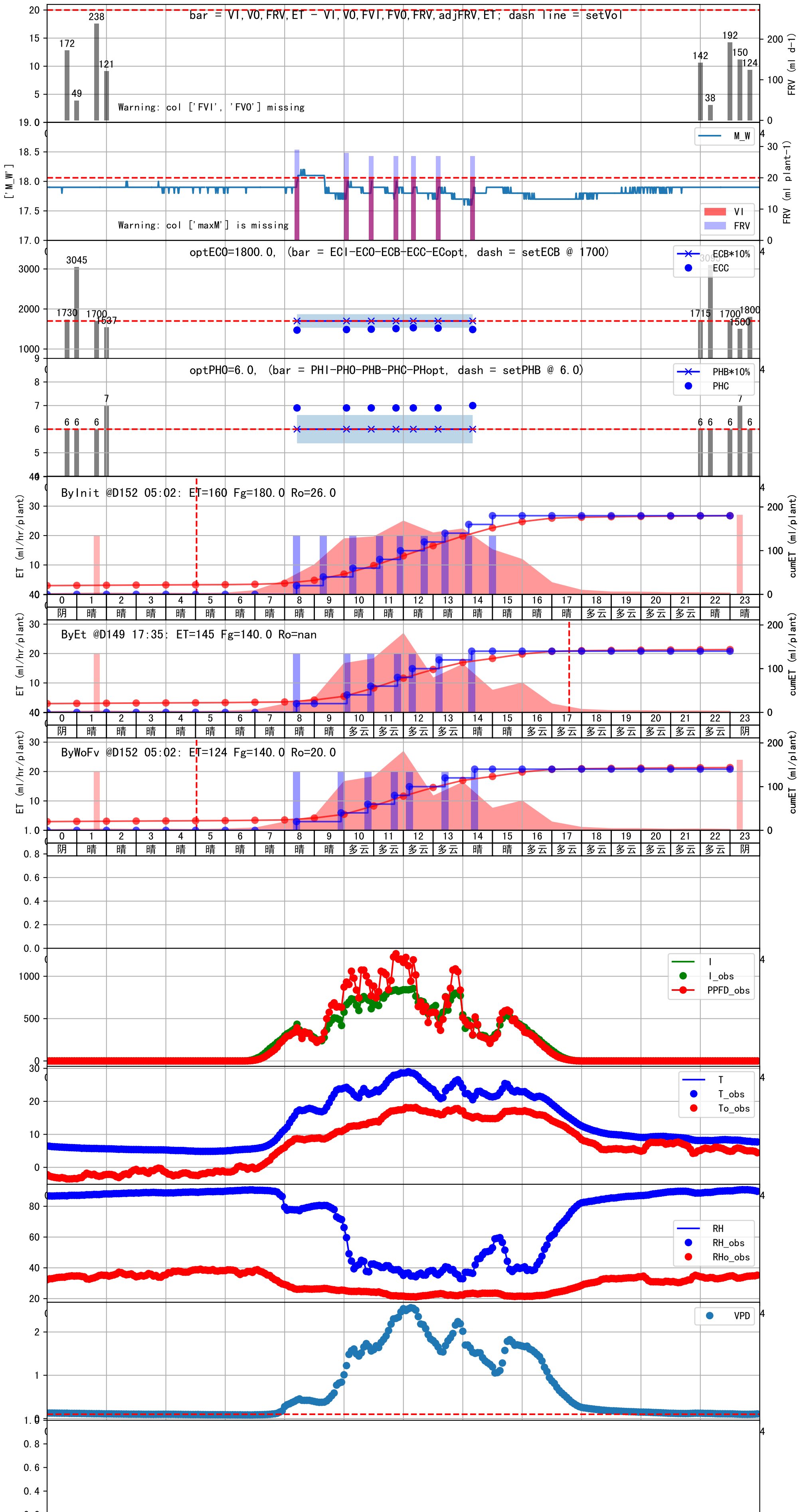

m=505, FV0=0, deltaM=0.2
m=605, FV0=0, deltaM=0.1
m=670, FV0=0, deltaM=0.1
m=720, FV0=0, deltaM=0.0
m=775, FV0=0, deltaM=0.0
m=830, FV0=0, deltaM=0.1
m=910, FV0=0, deltaM=0.1
M_W
minute

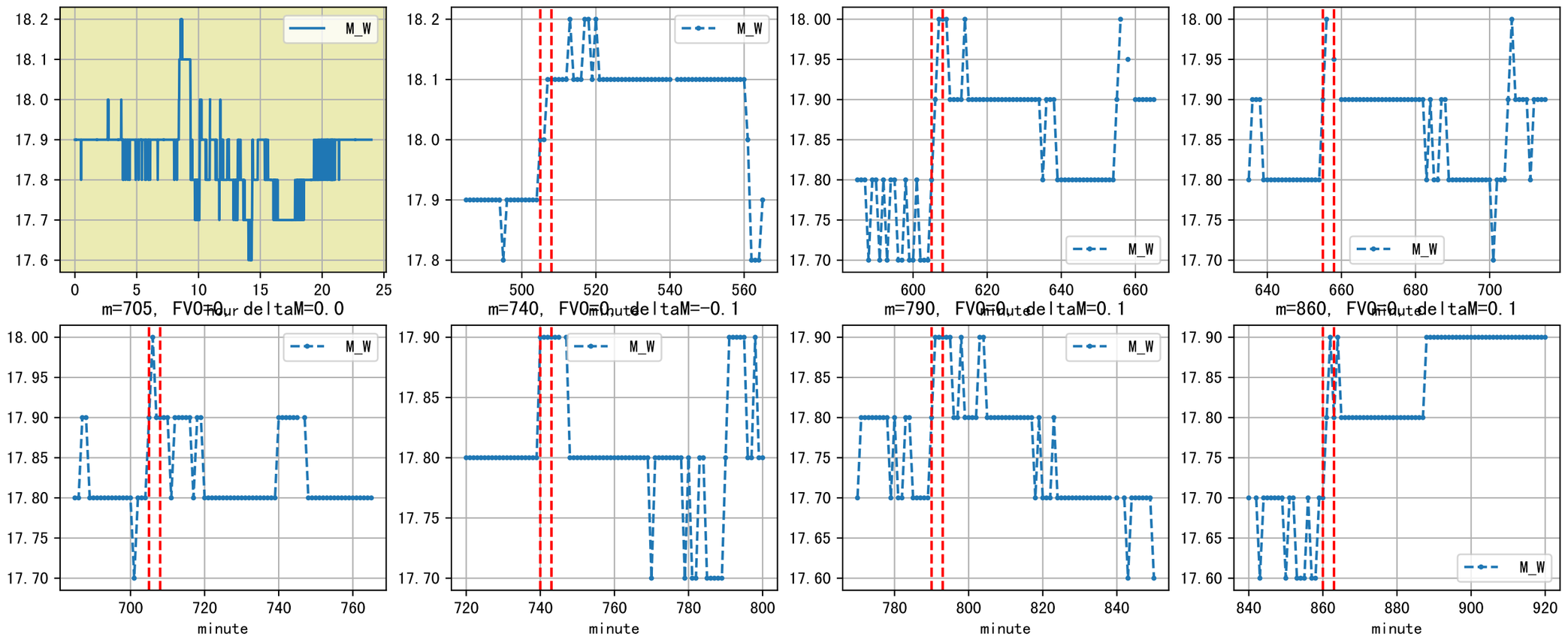

hour
8:25
9:55
10:50
11:40
12:15
13:25
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

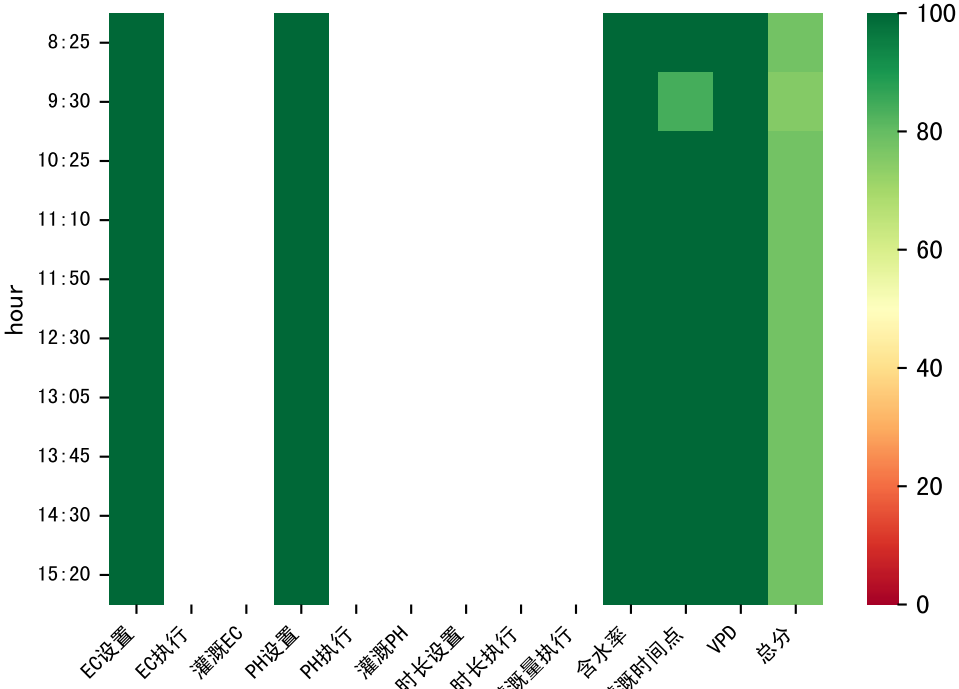
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	154	20.0	0.441	晴	假设@08:25 自动（未用传感器）
09:55	154	20.0	0.441	晴	假设@09:55 自动（未用传感器）
10:50	154	20.0	0.441	多云	假设@10:50 自动（未用传感器）
11:40	154	20.0	0.441	多云	假设@11:40 自动（未用传感器）
12:15	154	20.0	0.441	多云	假设@12:15 自动（未用传感器）
13:25	154	20.0	0.441	多云	假设@13:25 自动（未用传感器）
14:25	154	20.0	0.441	晴	假设@14:25 自动（未用传感器）
总计	1078.0 (7次)	140.0			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 : 21.0)，可能由于一阀多区不均匀
默认实际灌溉21.0 ml.

P2A2_0, Day=149.0 (2026-02-20)



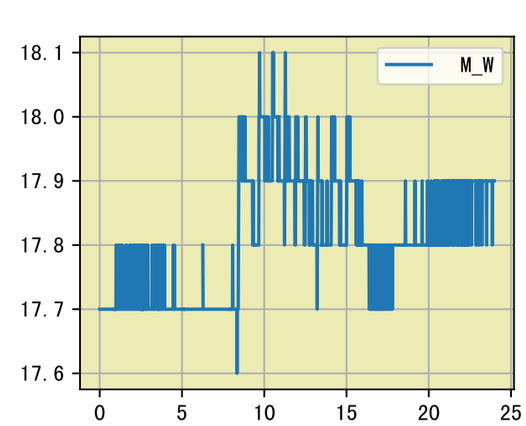

m=505, FV0=0, deltaM=0.2
m=605, FV0=0, deltaM=0.1
m=655, FV0=0, deltaM=0.0
m=705, FV0=0, deltaM=0.0
m=740, FV0=0, deltaM=-0.1
m=790, FV0=0, deltaM=0.1
m=860, FV0=0, deltaM=0.1
M_W
minute

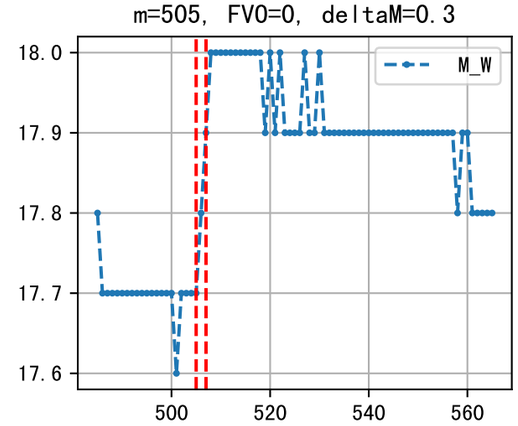

hour
8:25
9:30
10:25
11:10
11:50
12:30
13:05
13:45
14:30
15:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

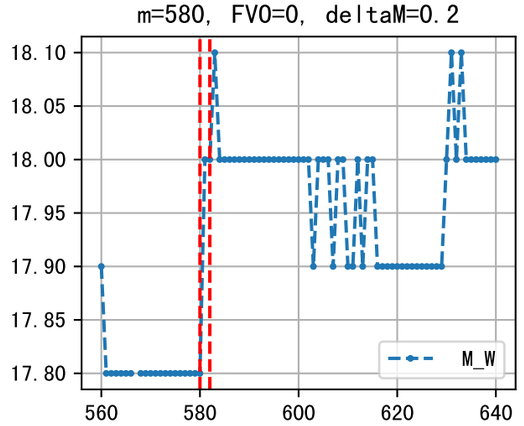
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	148	20.0	0.441	多云	假设@08:25 自动（未用传感器）
09:30	148	20.0	0.441	晴	假设@09:30 自动（未用传感器）
10:25	148	20.0	0.441	晴	假设@10:25 自动（未用传感器）
11:10	148	20.0	0.441	晴	假设@11:10 自动（未用传感器）
11:50	148	20.0	0.441	晴	假设@11:50 自动（未用传感器）
12:30	148	20.0	0.441	晴	假设@12:30 自动（未用传感器）
13:05	148	20.0	0.441	晴	假设@13:05 自动（未用传感器）
13:45	148	20.0	0.441	晴	假设@13:45 自动（未用传感器）
14:30	148	20.0	0.441	晴	假设@14:30 自动（未用传感器）
15:20	148	20.0	0.441	晴	假设@15:20 自动（未用传感器）
总计	1480.0 (10次)	200.0			建议进液EC：1700， PH：6.0

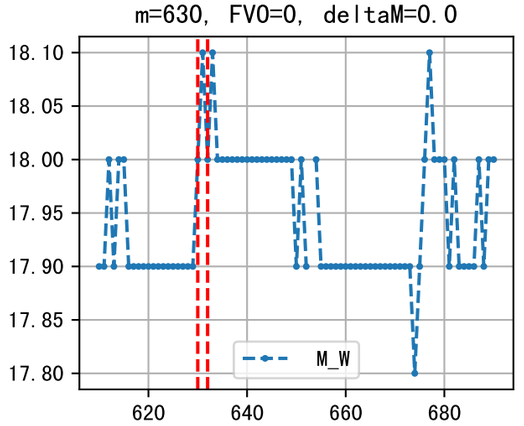
滴头平均流速偏小（0.18 vs def 0.5），请检查
施肥机灌溉量与预期值不符 (27.0 : 21.0)，可能由于一阀多区不均匀
默认实际灌溉21.0 ml.

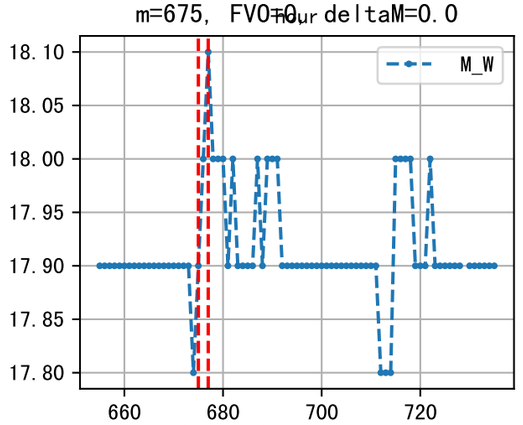
P2A2_0, Day=148.0 (2026-02-19)

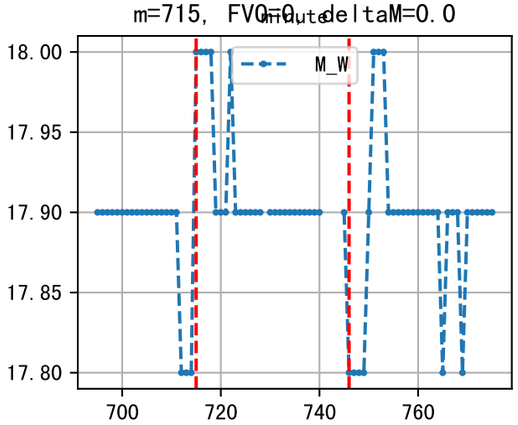

M_W
18.1
18.0
17.9
17.8
17.7
17.6
0
5
10
15
20
25

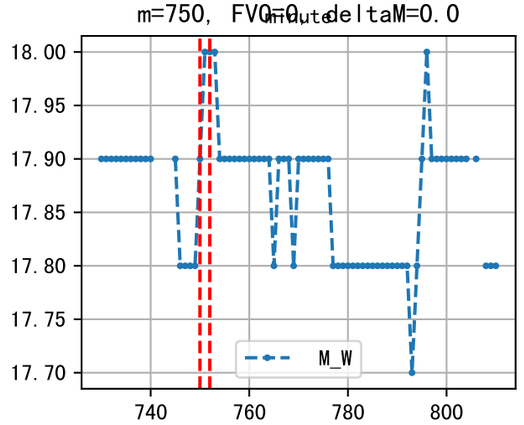

m=505, FV0=0, deltaM=0.3
M_W
18.0
17.9
17.8
17.7
17.6
500
520
540
560

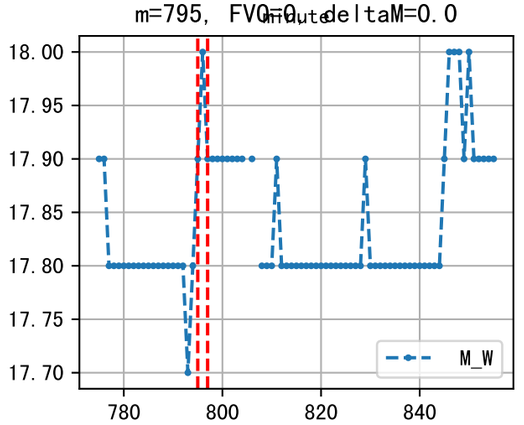

m=580, FV0=0, deltaM=0.2
M_W
18.10
18.05
18.00
17.95
17.90
17.85
17.80
560
580
600
620
640

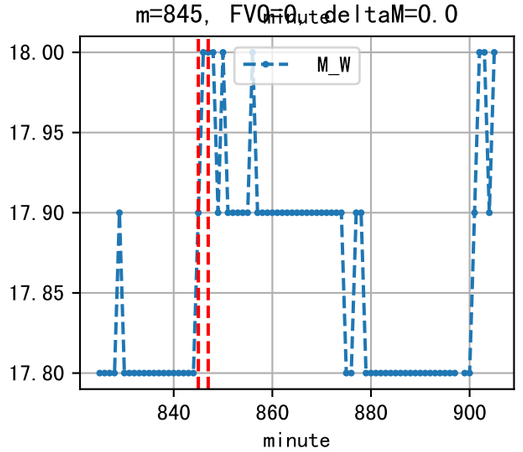

m=630, FV0=0, deltaM=0.0
M_W
18.10
18.05
18.00
17.95
17.90
17.85
17.80
620
640
660
680

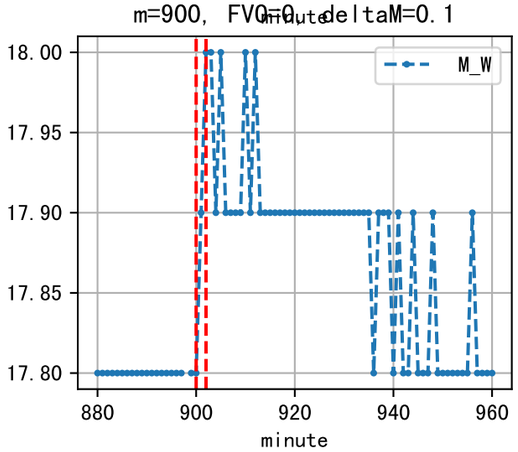

m=675, FV0=0, deltaM=0.0
M_W
18.10
18.05
18.00
17.95
17.90
17.85
17.80
660
680
700
720


m=715, FV0=0, deltaM=0.0
M_W
18.00
17.95
17.90
17.85
17.80
700
720
740
760


m=750, FV0=0, deltaM=0.0
M_W
18.00
17.95
17.90
17.85
17.80
17.75
17.70
740
760
780
800
minute


m=795, FV0=0, deltaM=0.0
M_W
18.00
17.95
17.90
17.85
17.80
17.75
17.70
780
800
820
840
minute


m=845, FV0=0, deltaM=0.0
M_W
18.00
17.95
17.90
17.85
17.80
840
860
880
900
minute


m=900, FV0=0, deltaM=0.1
M_W
18.00
17.95
17.90
17.85
17.80
880
900
920
940
960
minute