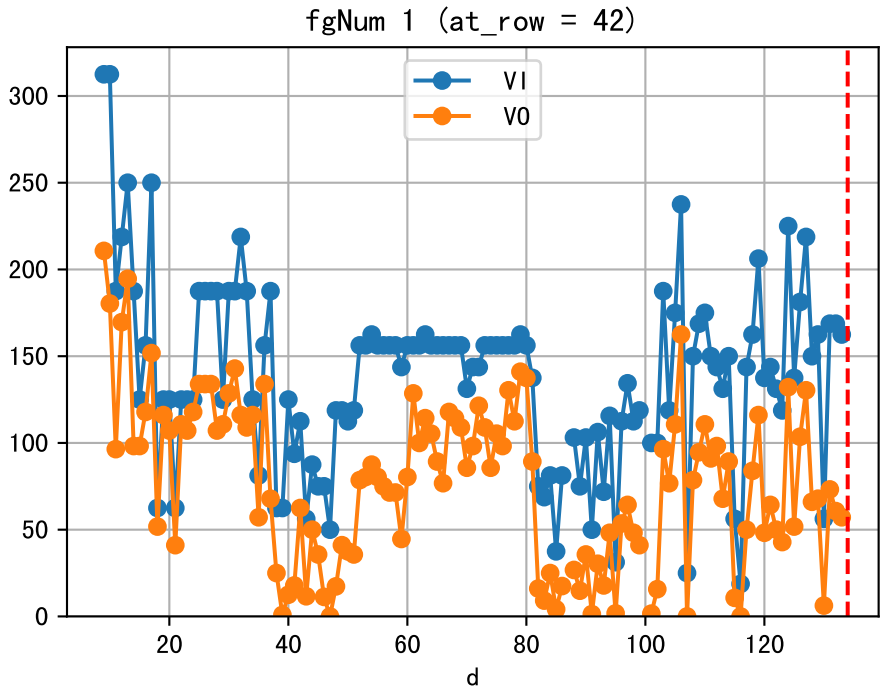
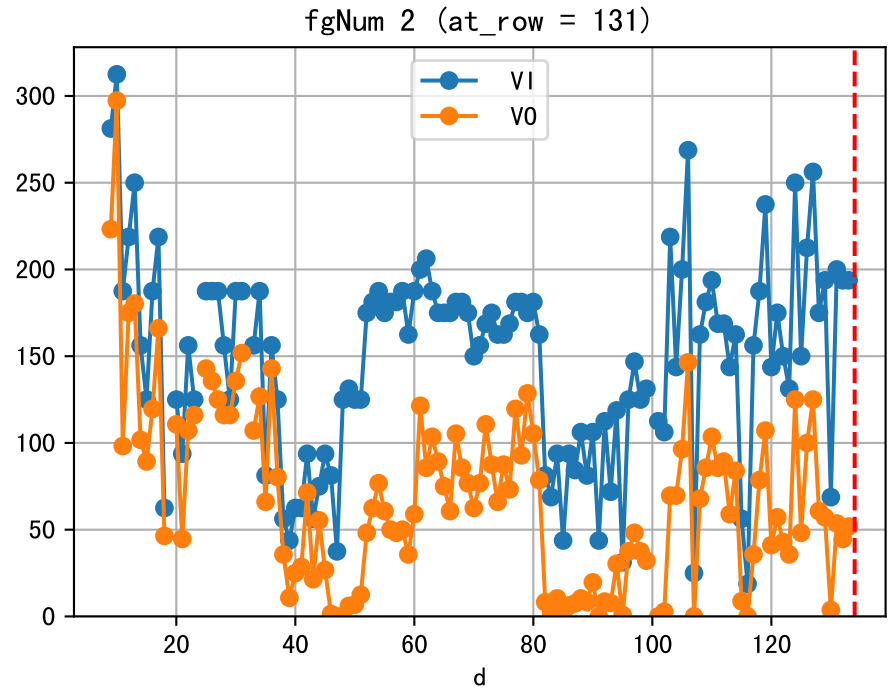
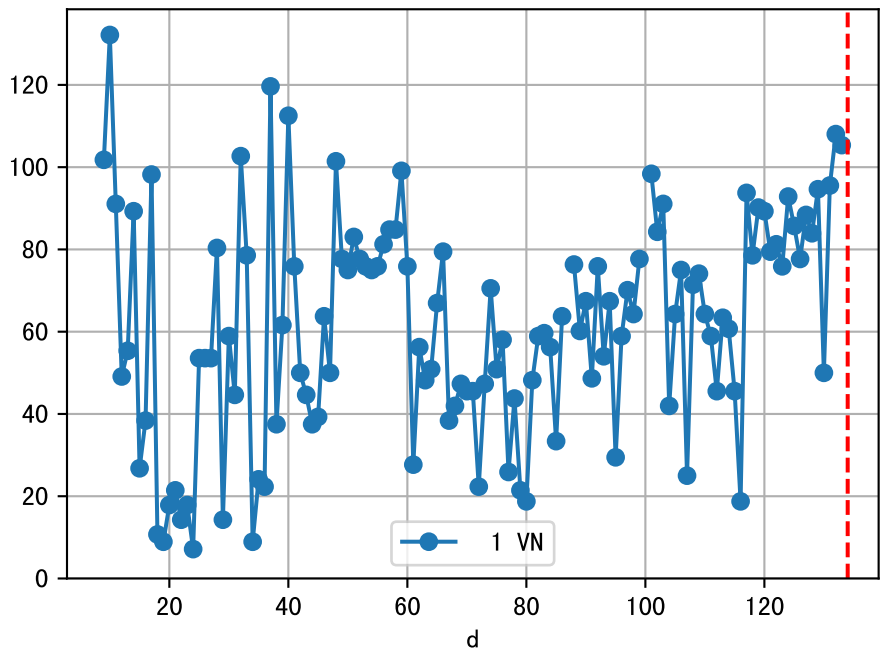
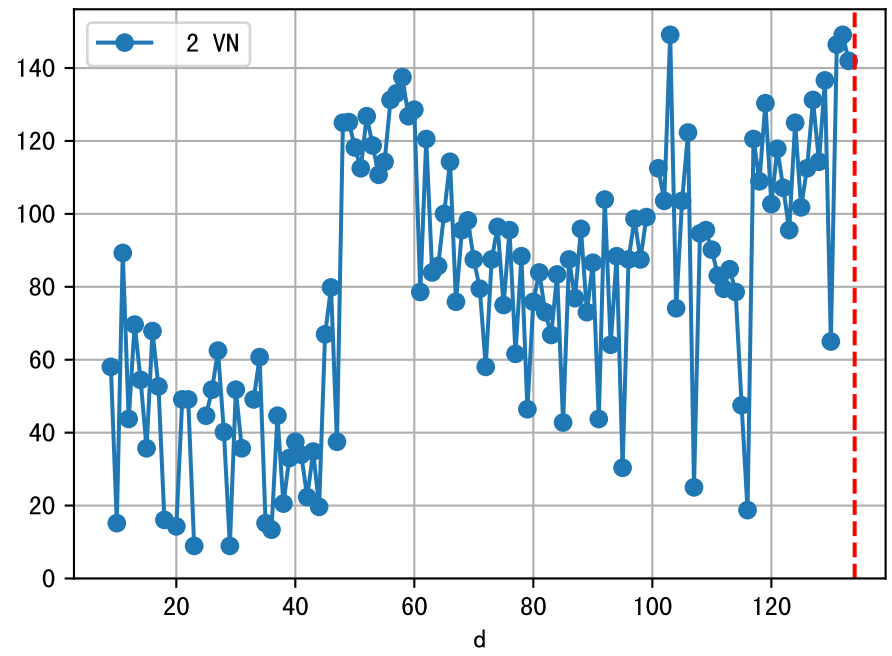
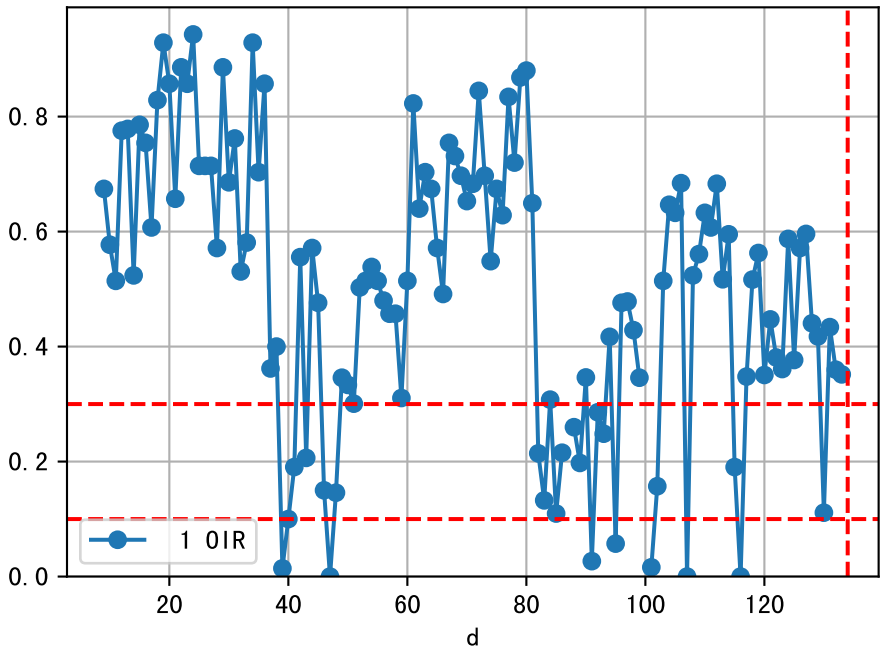
FgArea: ['0']
NC11 P1
2026-02-05 (Day 134)

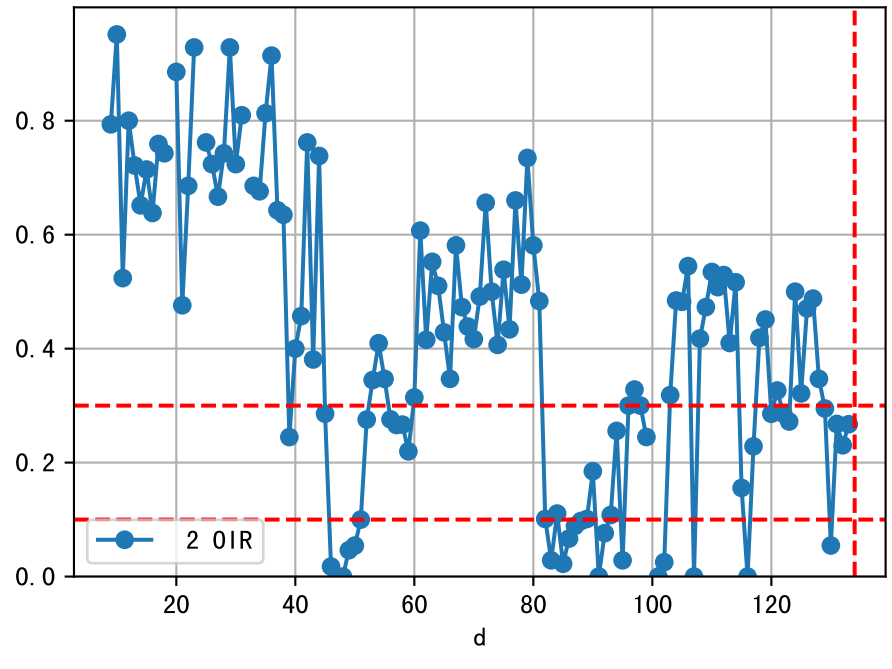

fgNum 1 (at_row = 42)
VI
VO
d

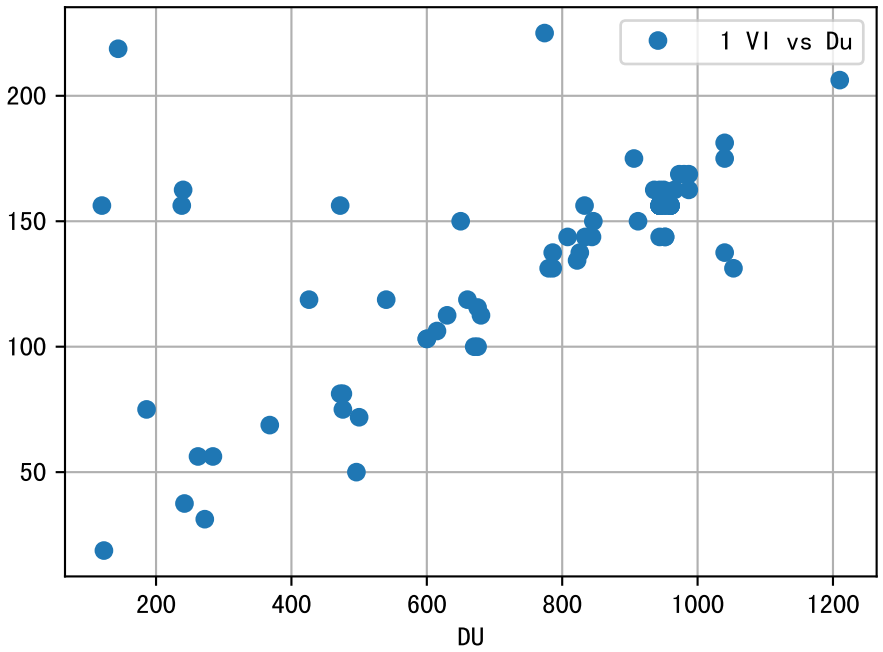

fgNum 2 (at_row = 131)
VI
VO
d

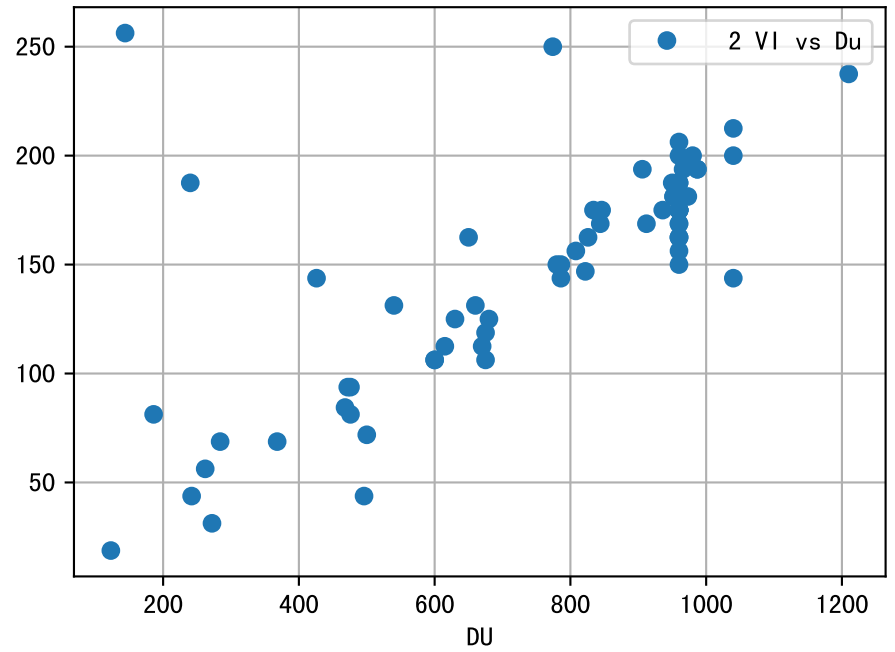

1 VN
d

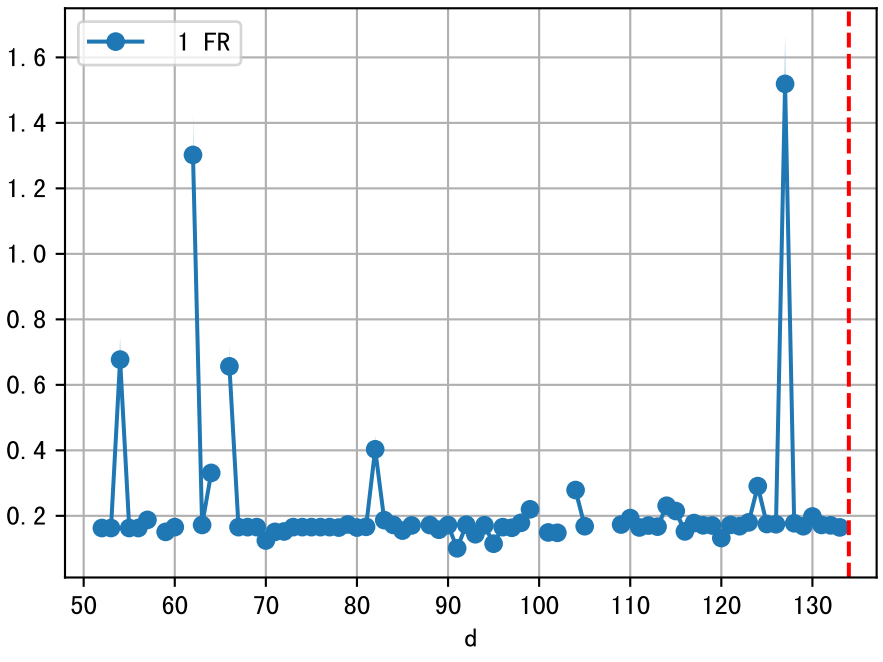

2 VN
d

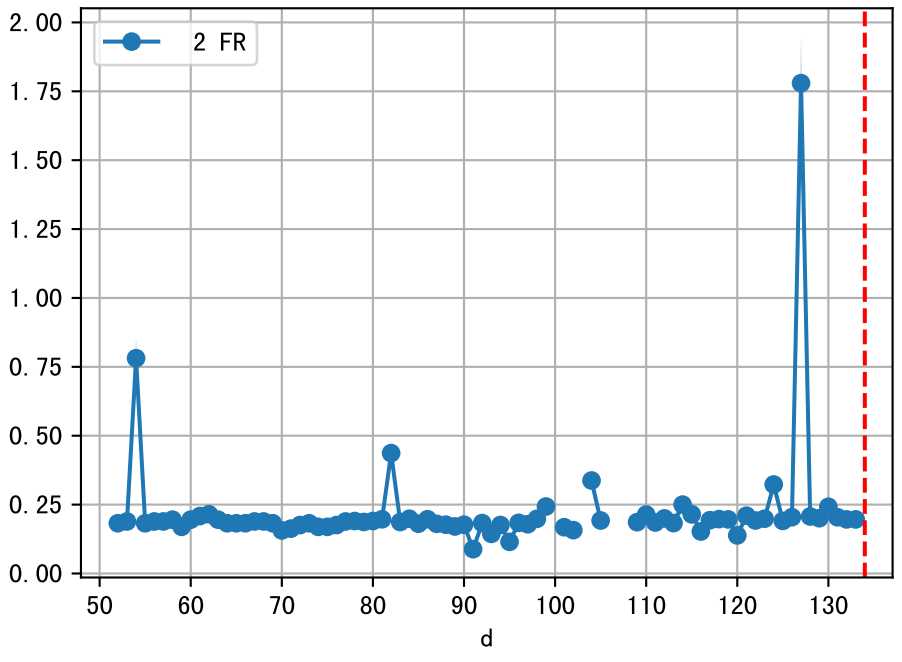

1 OIR
d

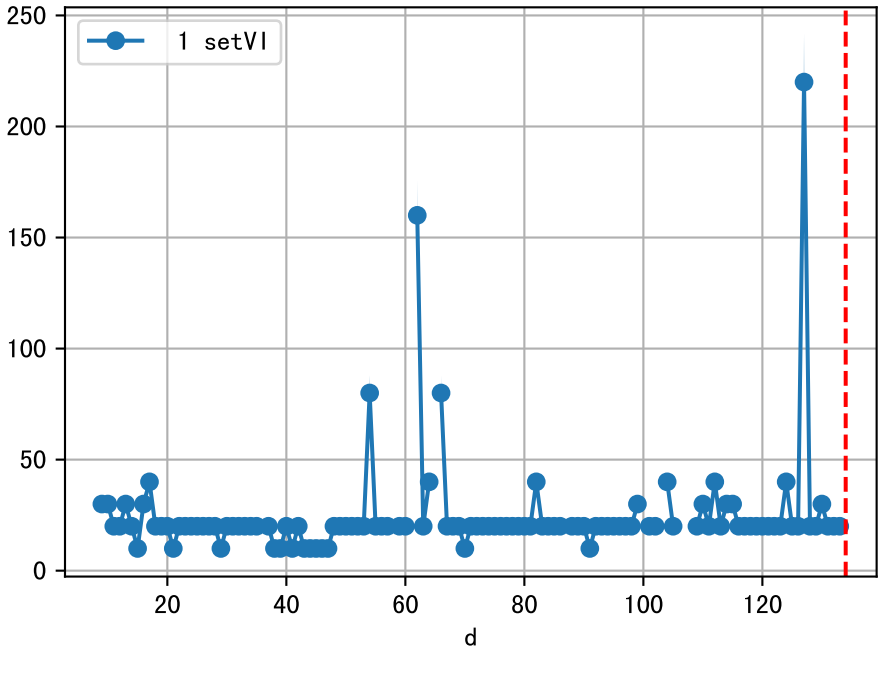

2 OIR
d

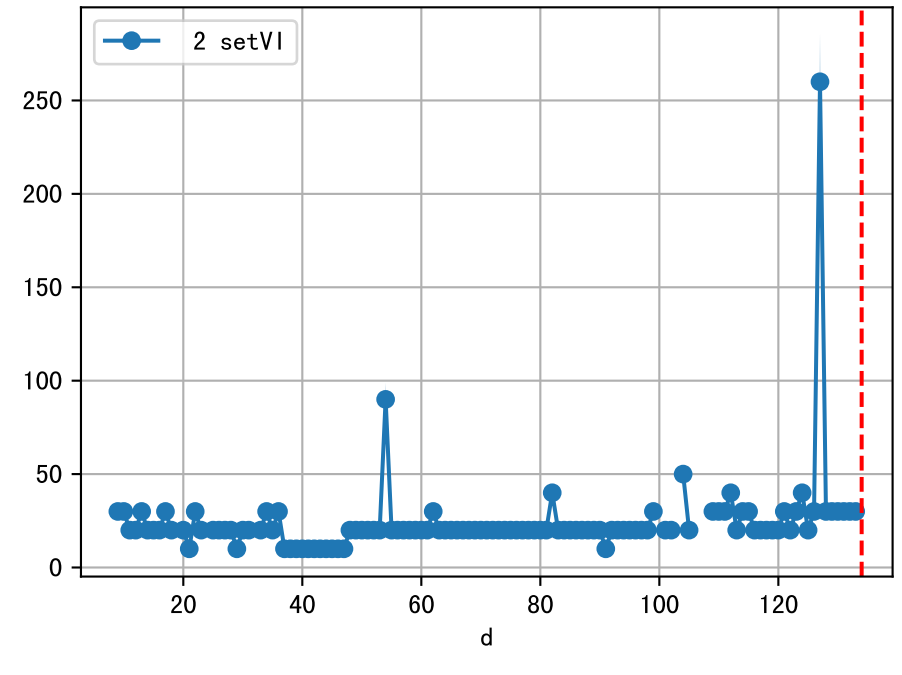

1 VI vs Du
DU

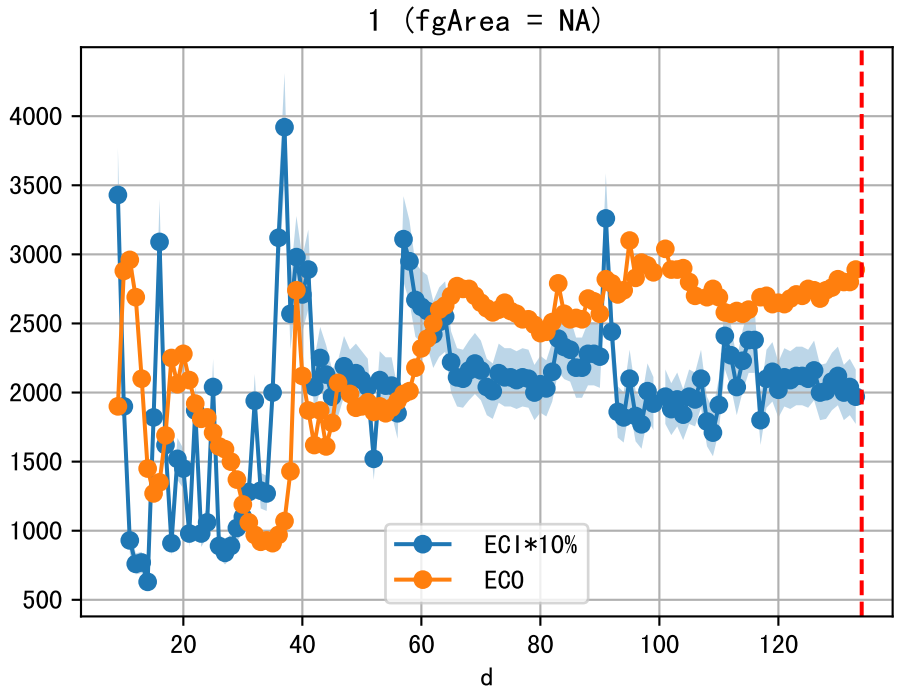

2 VI vs Du
DU

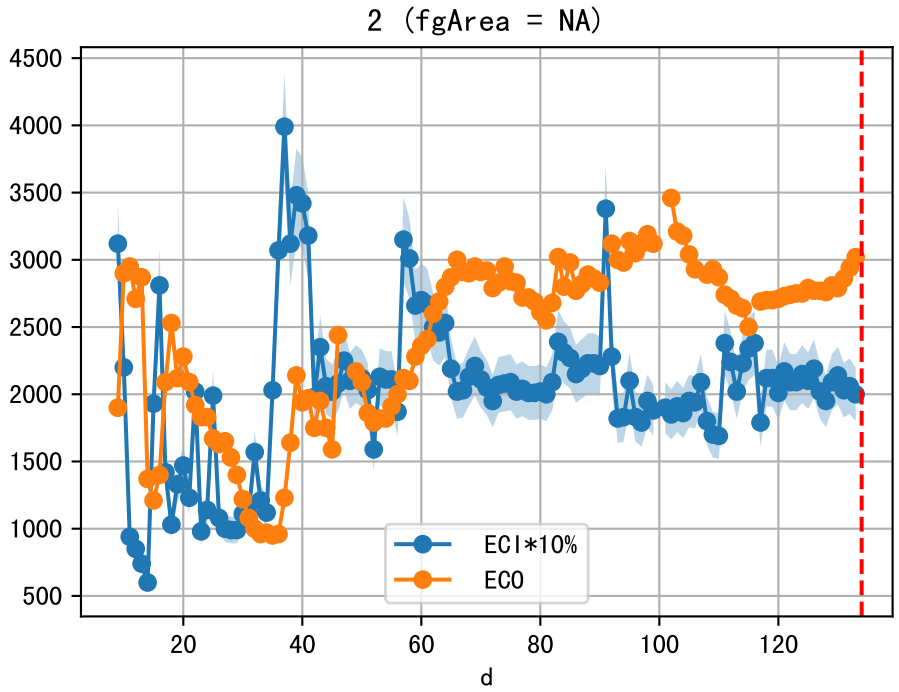

1 FR
d

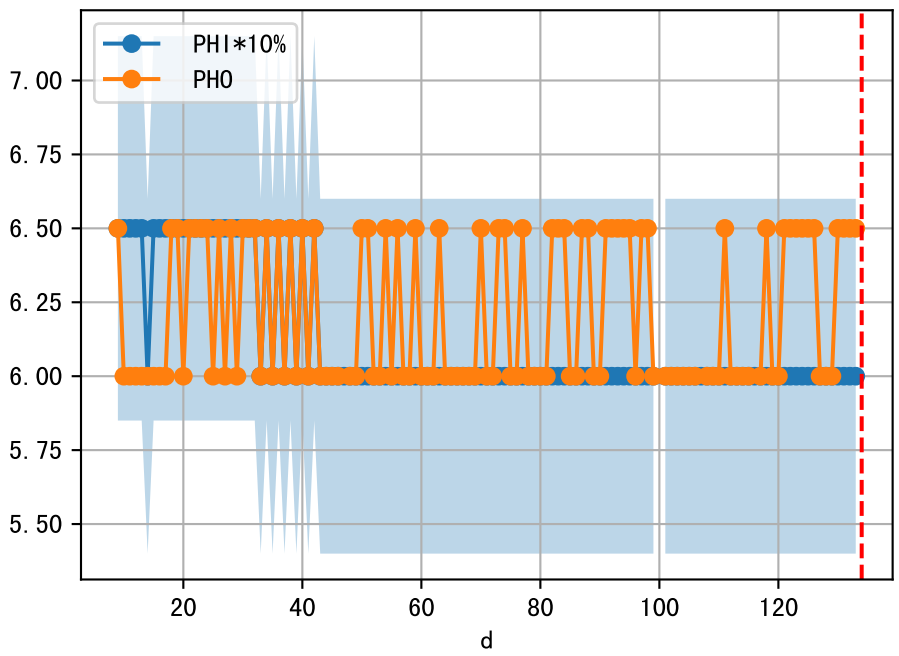

2 FR
d

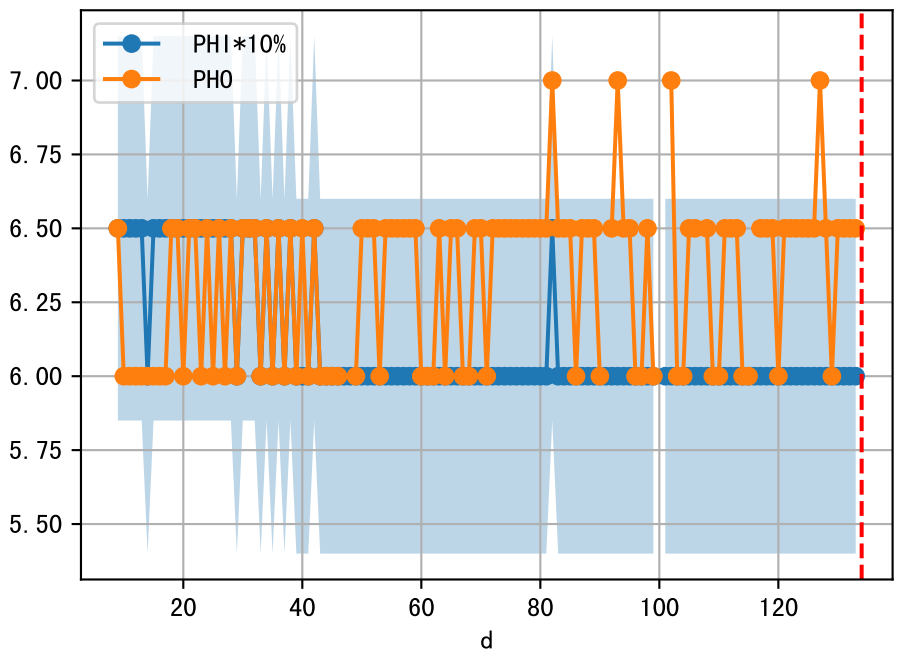

1 setVI
d

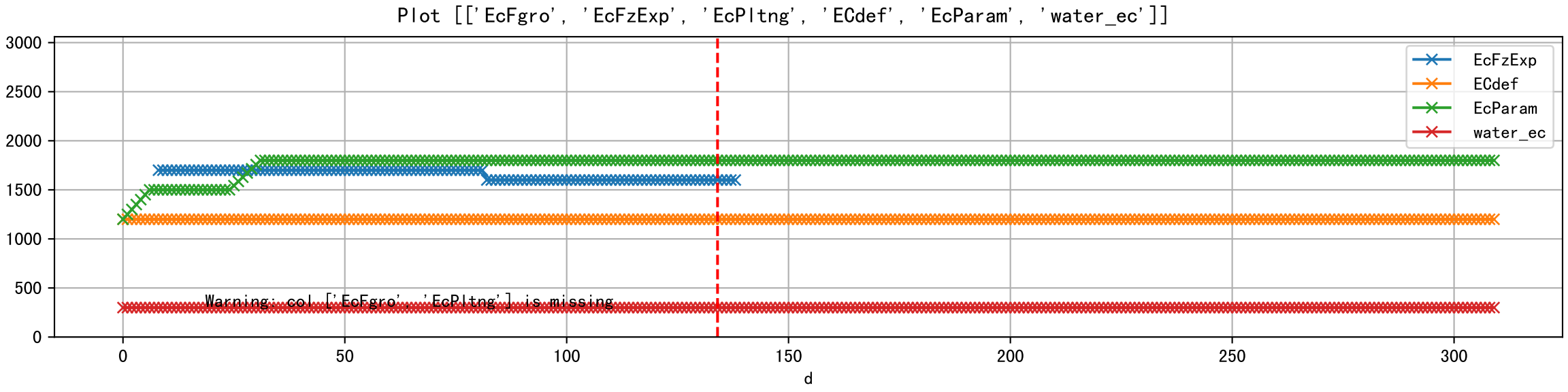

2 setVI
d

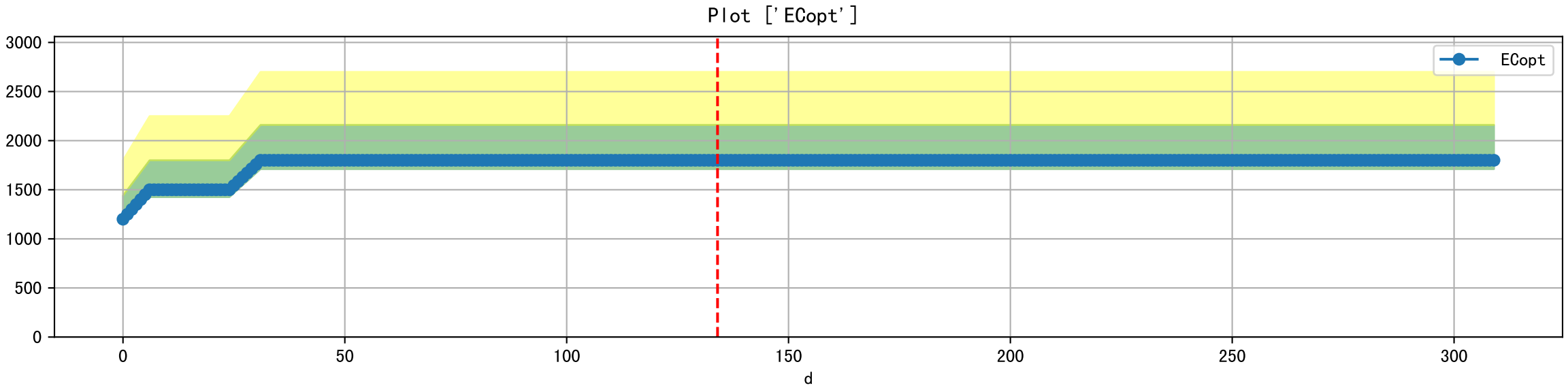

1 (fgArea = NA)
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
d
ECI*10%
ECO

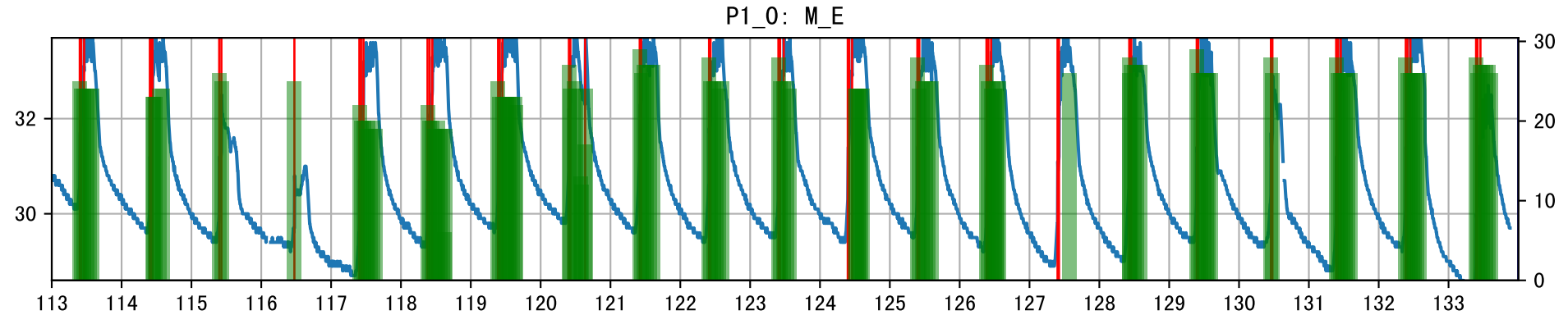

2 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
d
ECI*10%
ECO

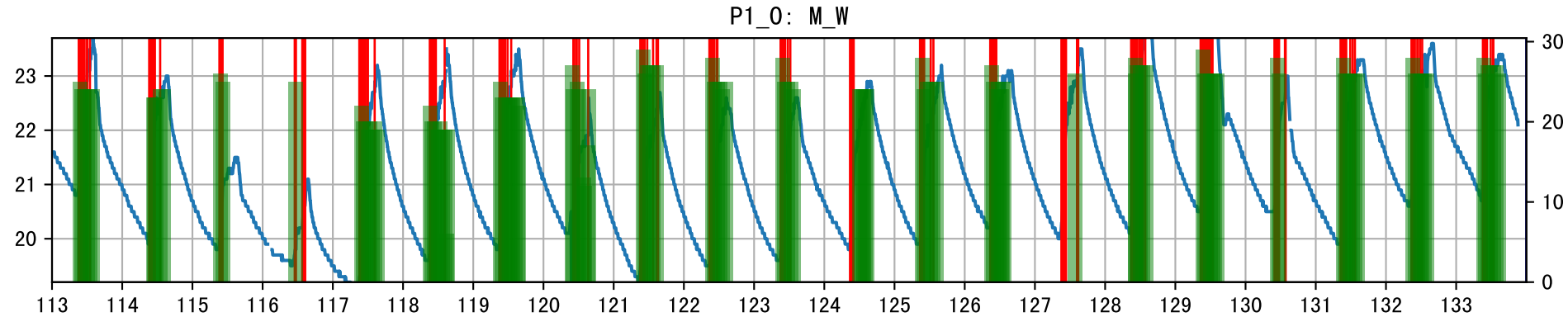

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
d


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

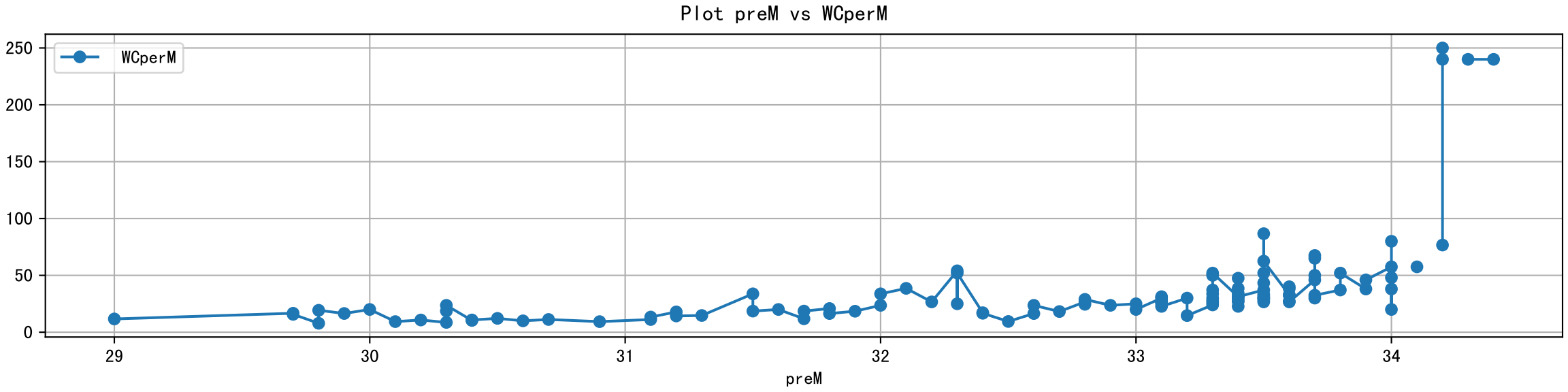

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

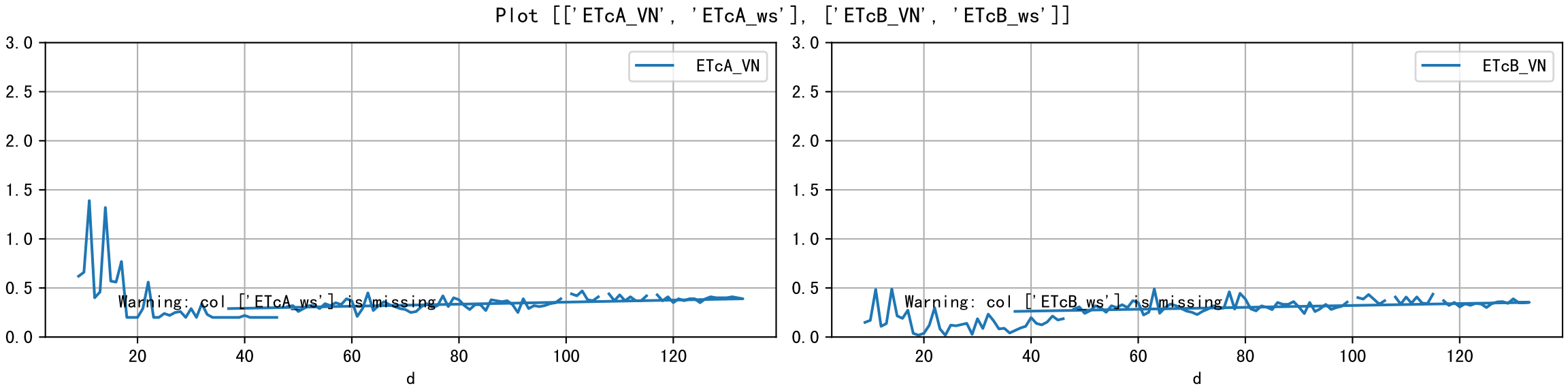

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

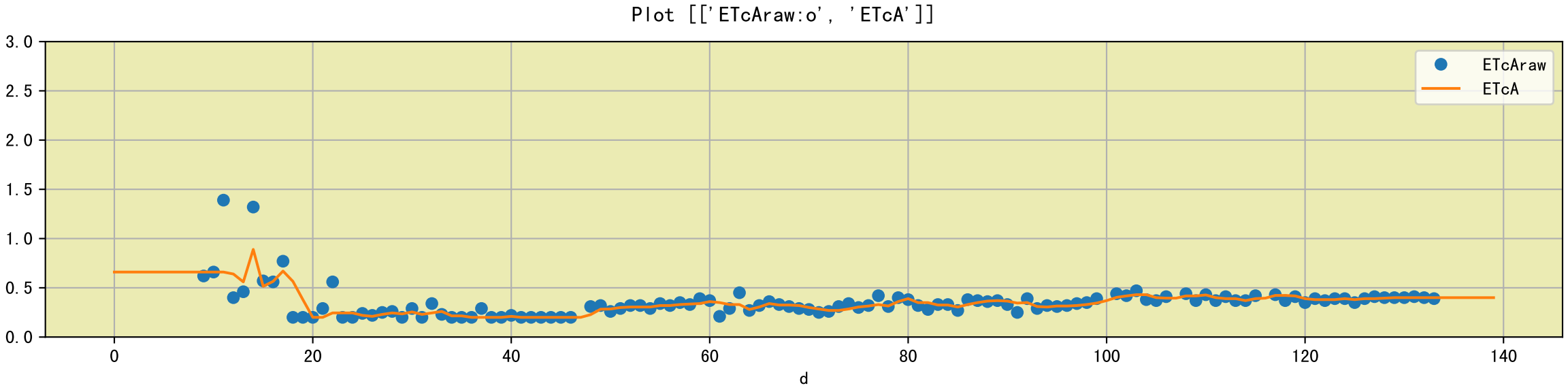

P1_0: M_E
32
30
30
20
10
0
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133

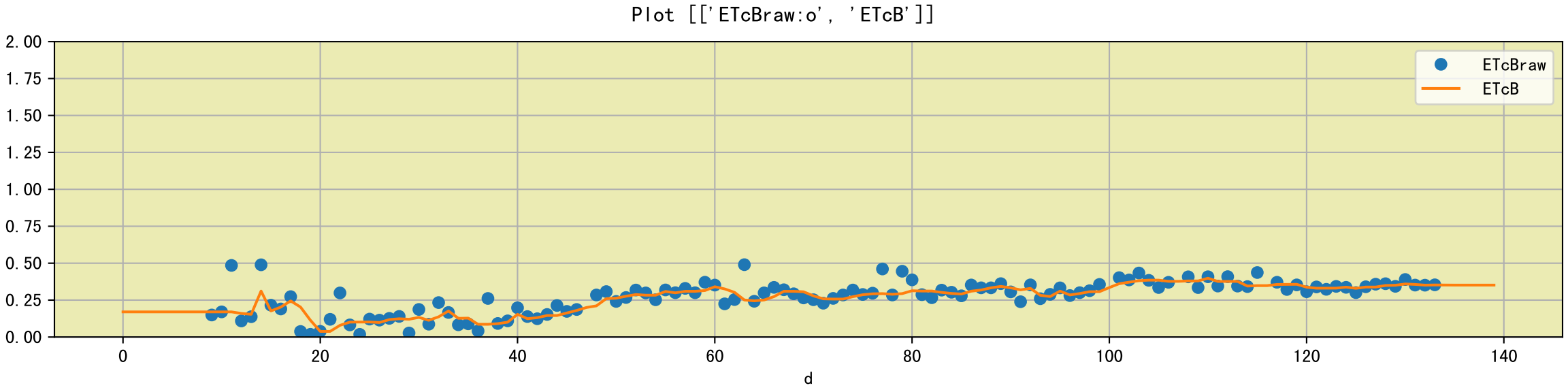

P1_O: M_W
23
22
21
20
30
20
10
0
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133

Plot Sensor and FgRec Data

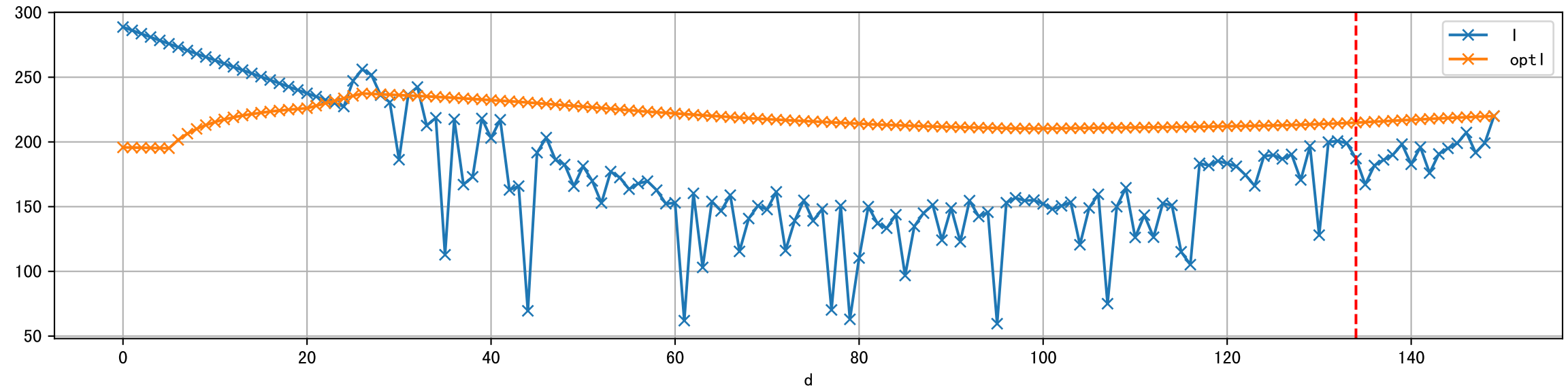

Plot preM vs WCperM
WCperM
250
200
150
100
50
0
29
30
31
32
33
34
preM

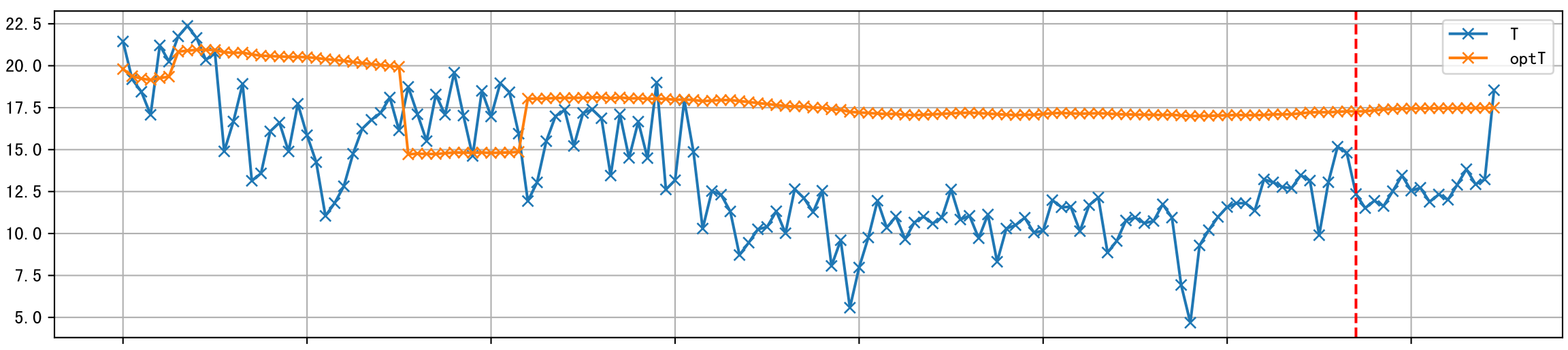

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

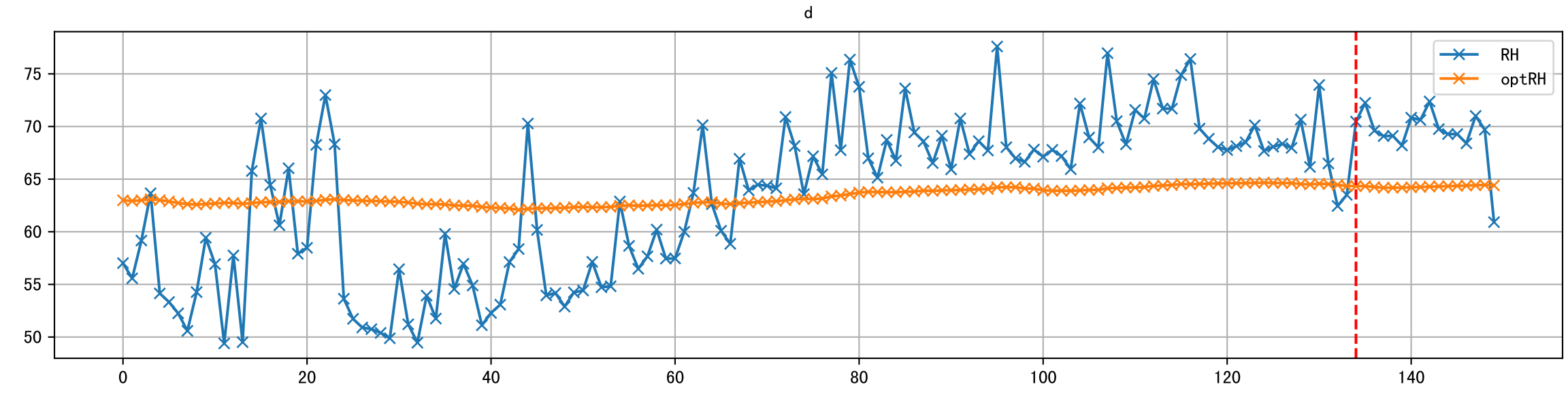

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

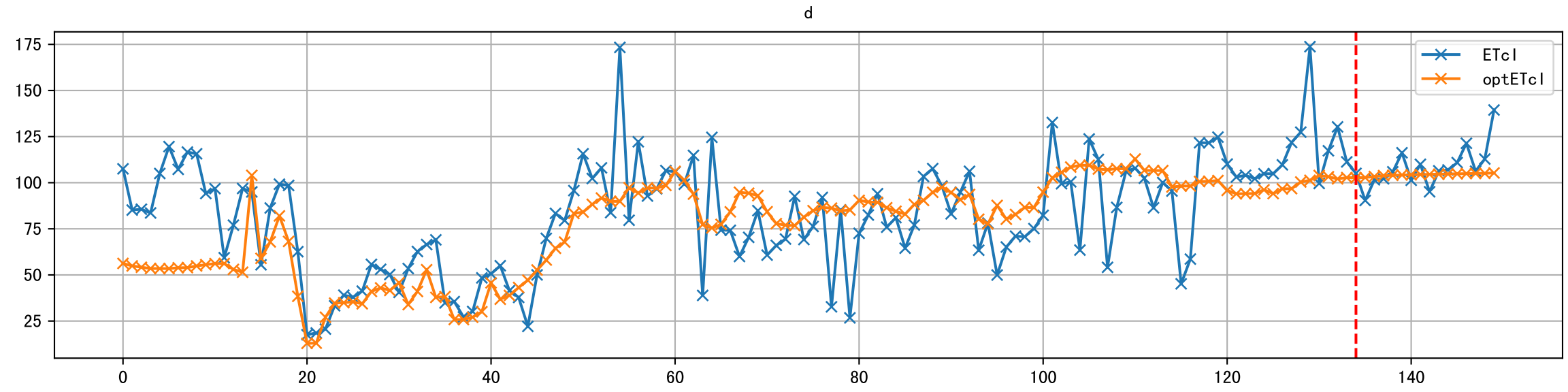

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

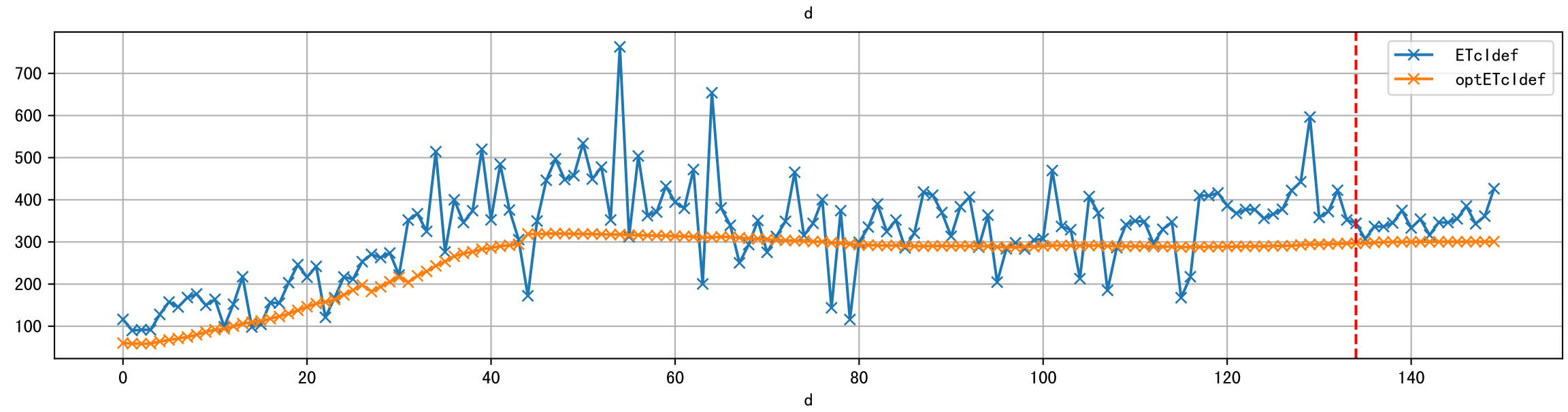
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

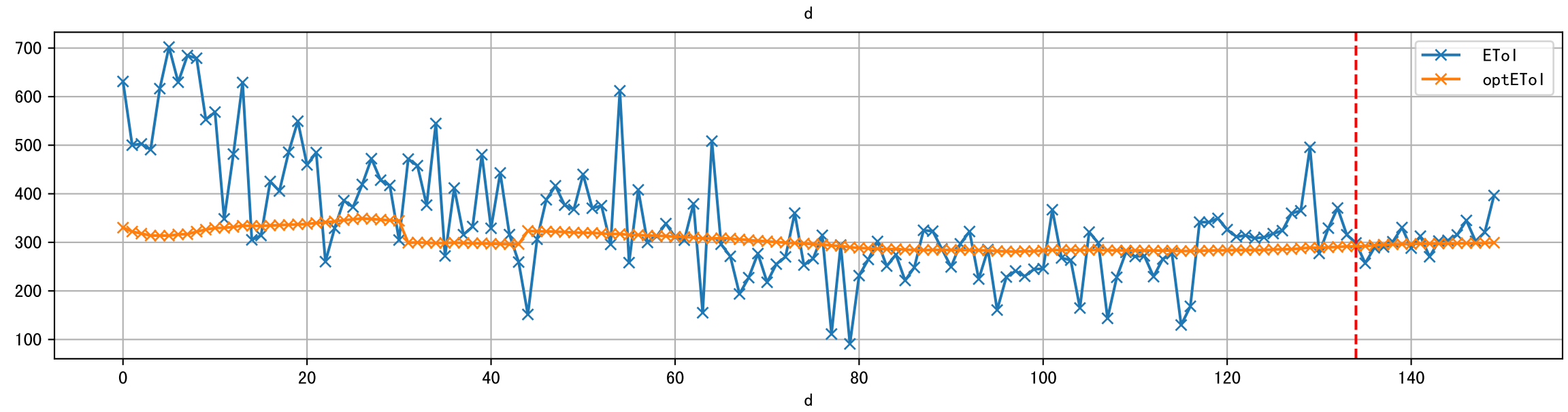


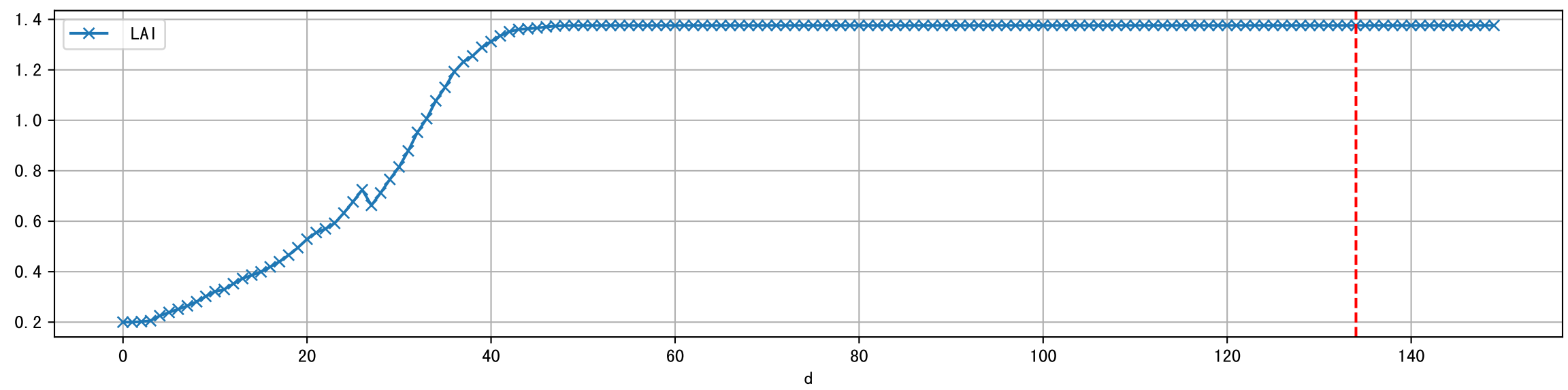


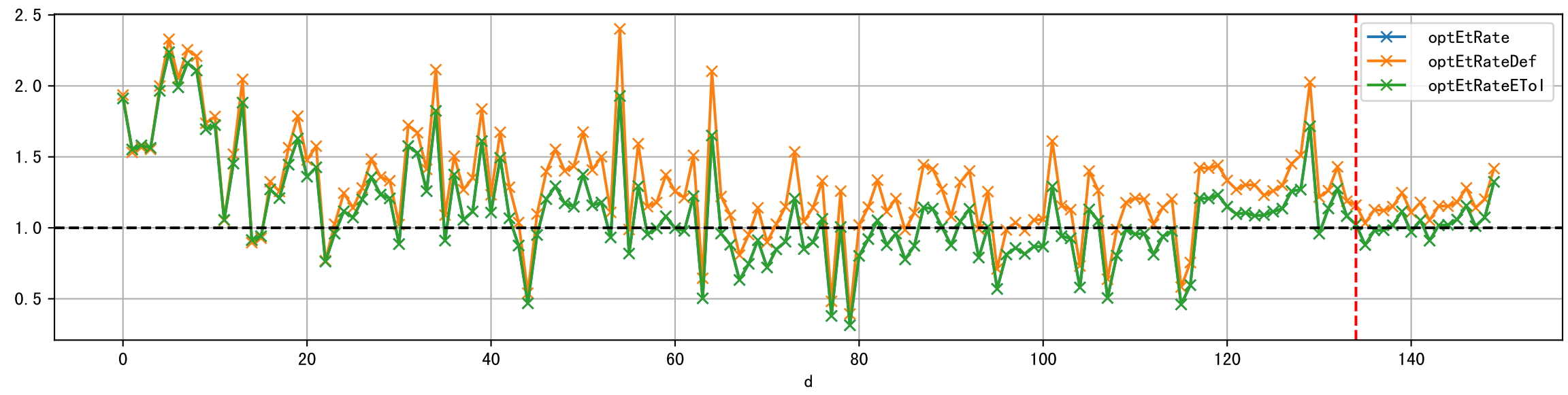


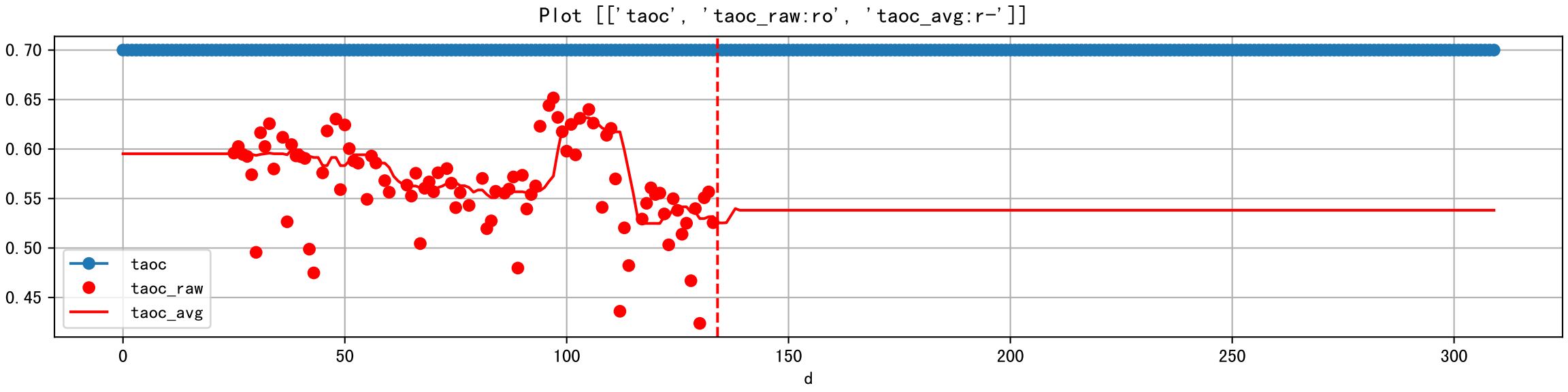


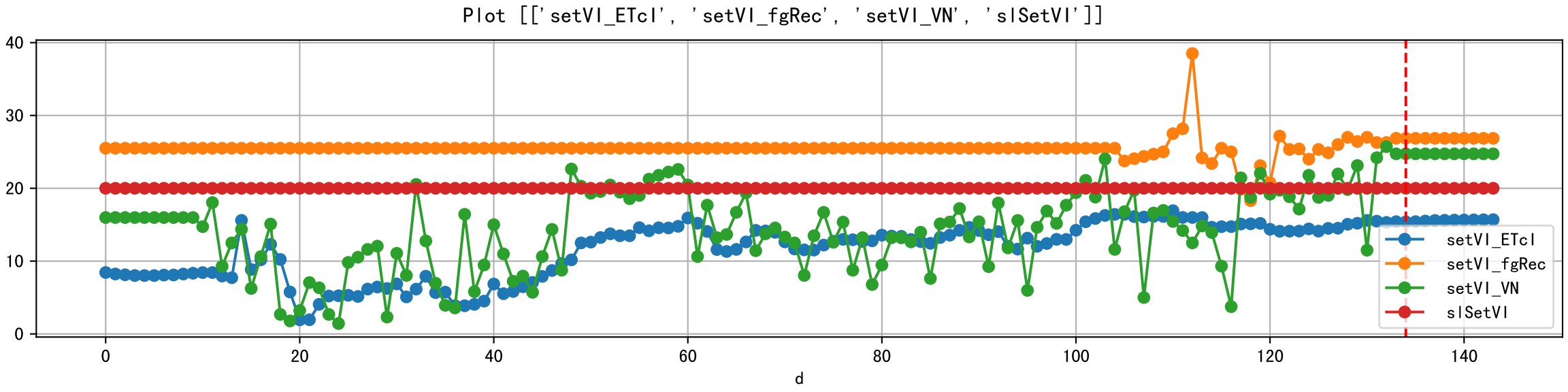


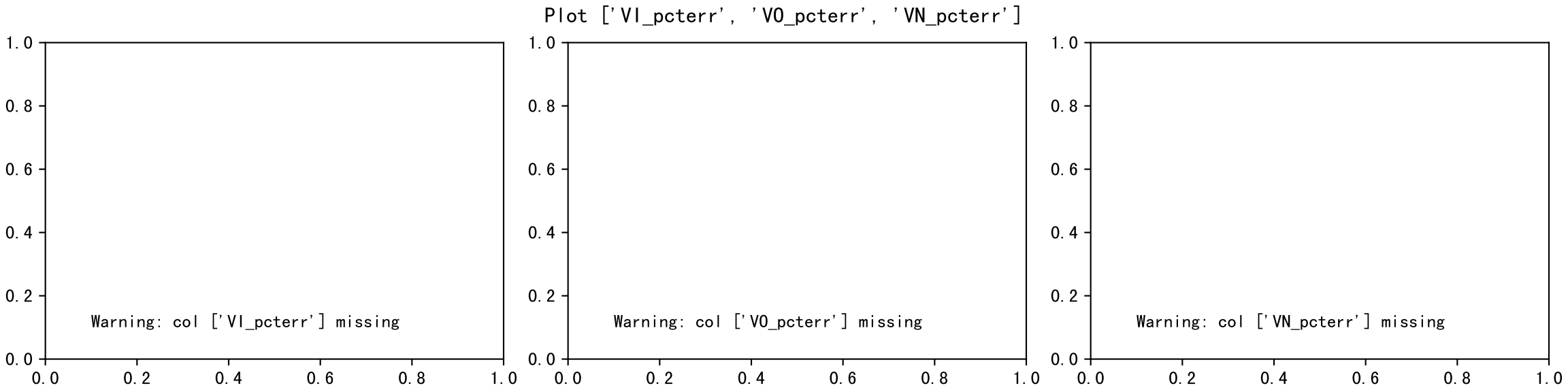


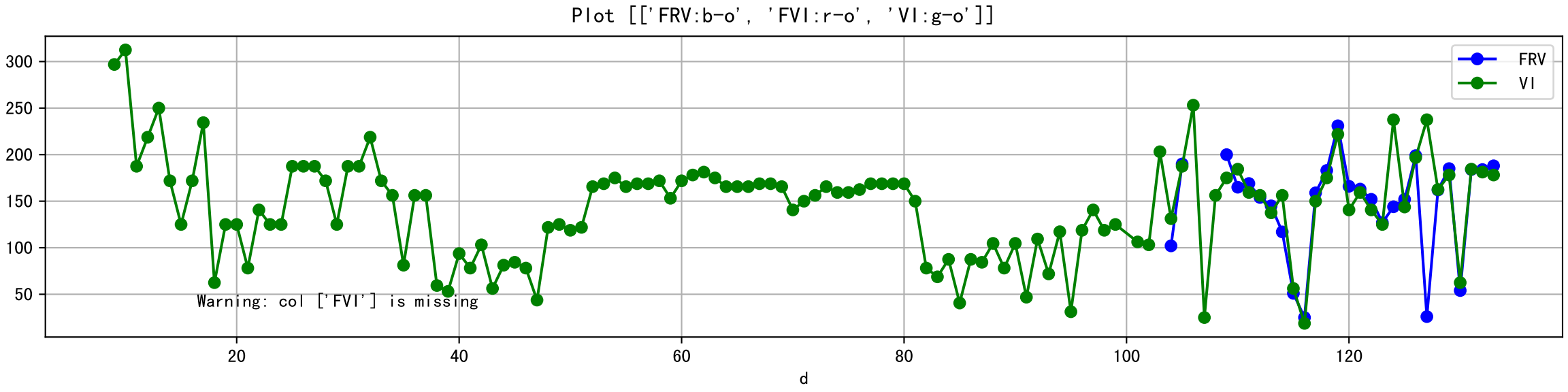


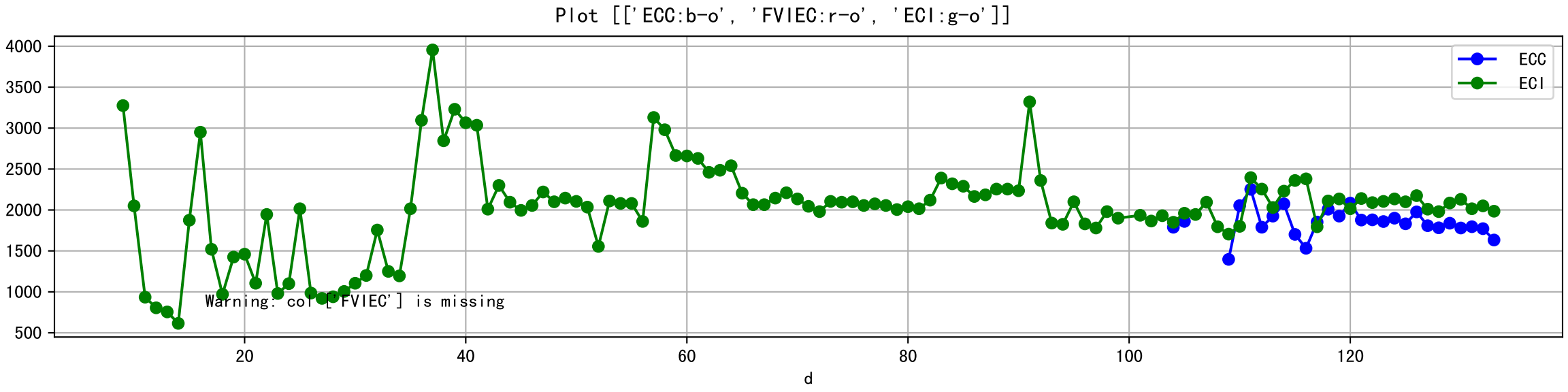


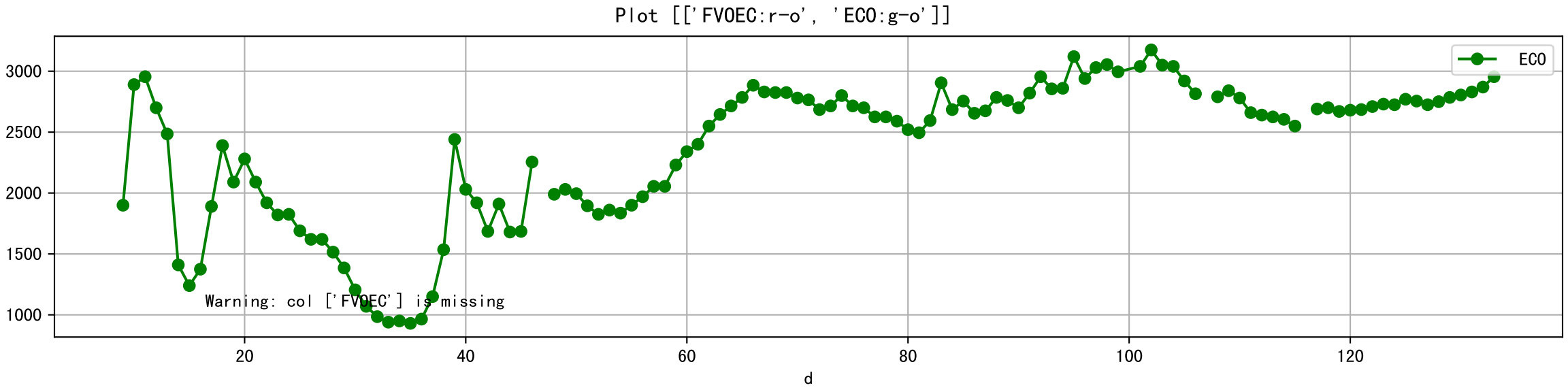

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.70
0.65
0.60
0.55
0.50
0.45
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

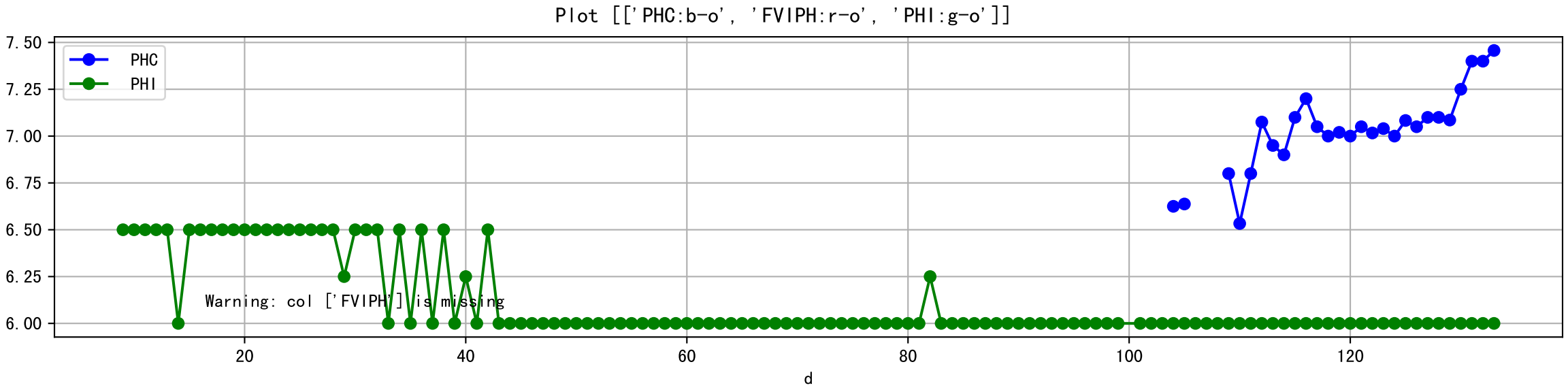

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
40
30
20
10
0
0
20
40
60
80
100
120
140
d
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI

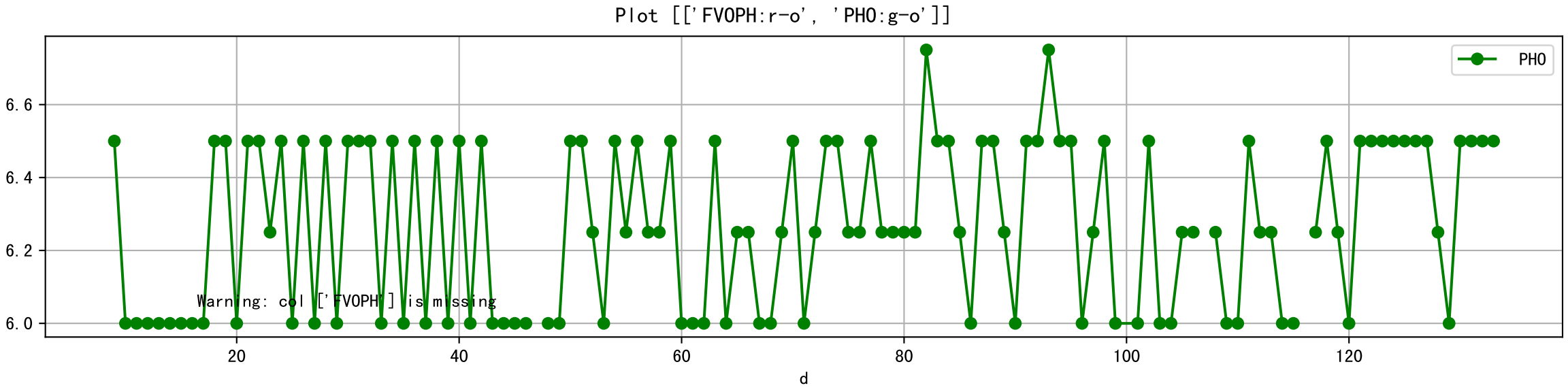

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

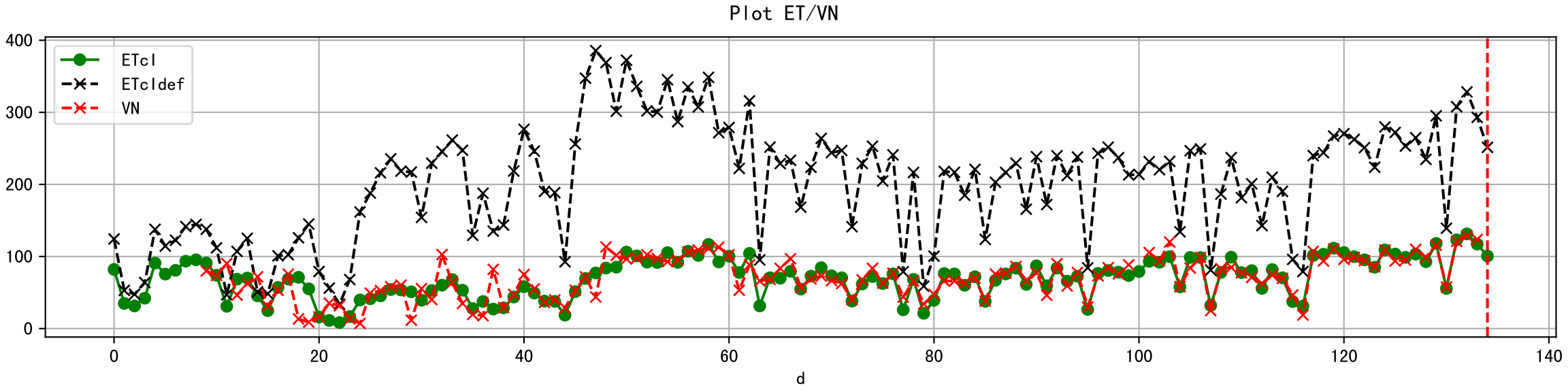

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
300
250
200
150
100
50
20
40
60
80
100
120
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col['FVIEC'] is missing
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
d

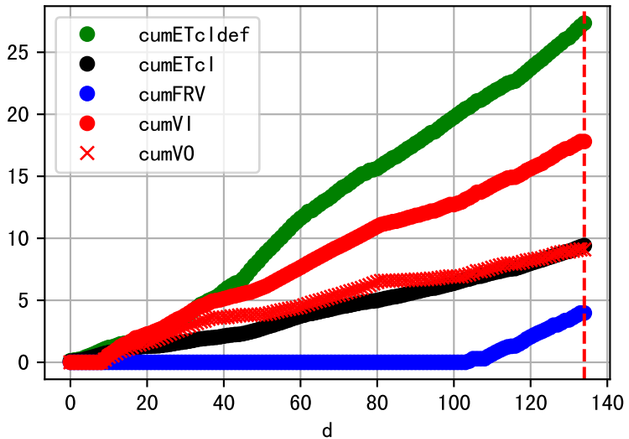

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3000
2500
2000
1500
1000
20
40
60
80
100
120
d

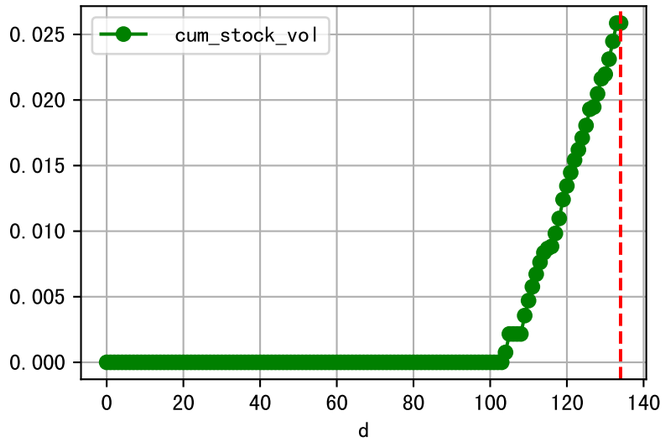

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.50
7.25
7.00
6.75
6.50
6.25
6.00
20
40
60
80
100
120
d

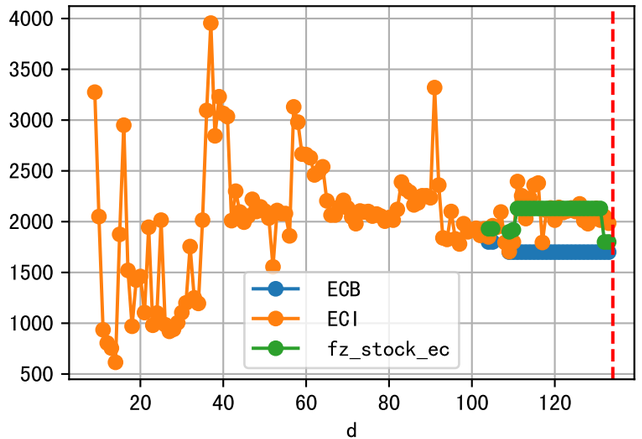

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
6.0
6.2
6.4
6.6
20
40
60
80
100
120
d

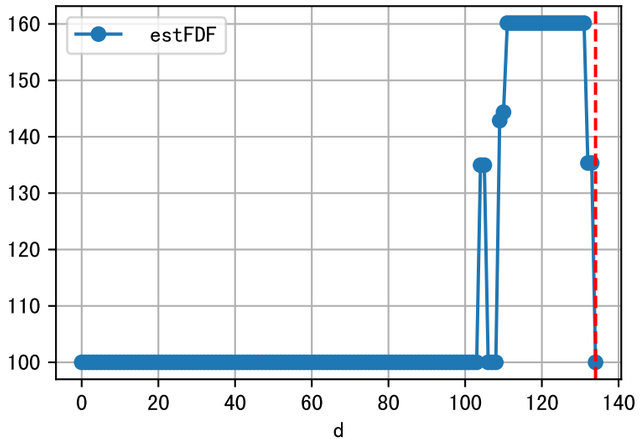

Plot ET/VN
ETcl
ETcldef
VN
400
300
200
100
0
0
20
40
60
80
100
120
140
d

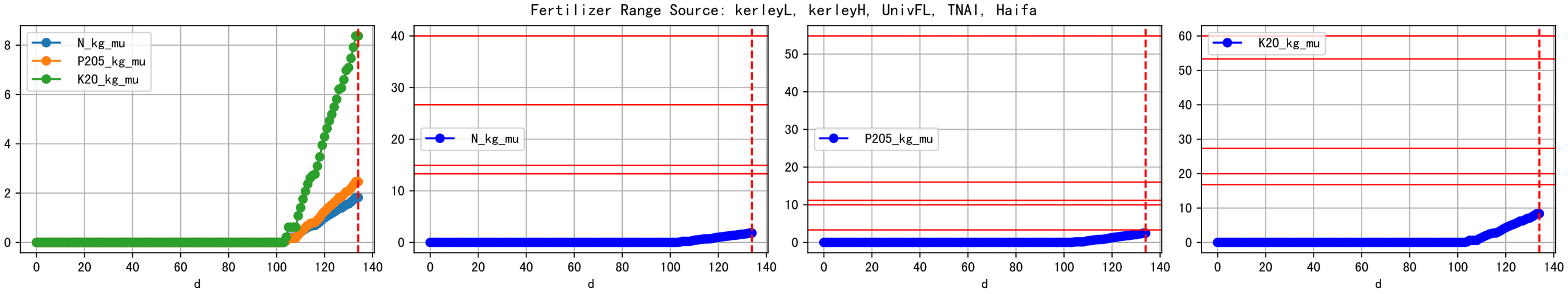
Plot Fv and fertilizer usage

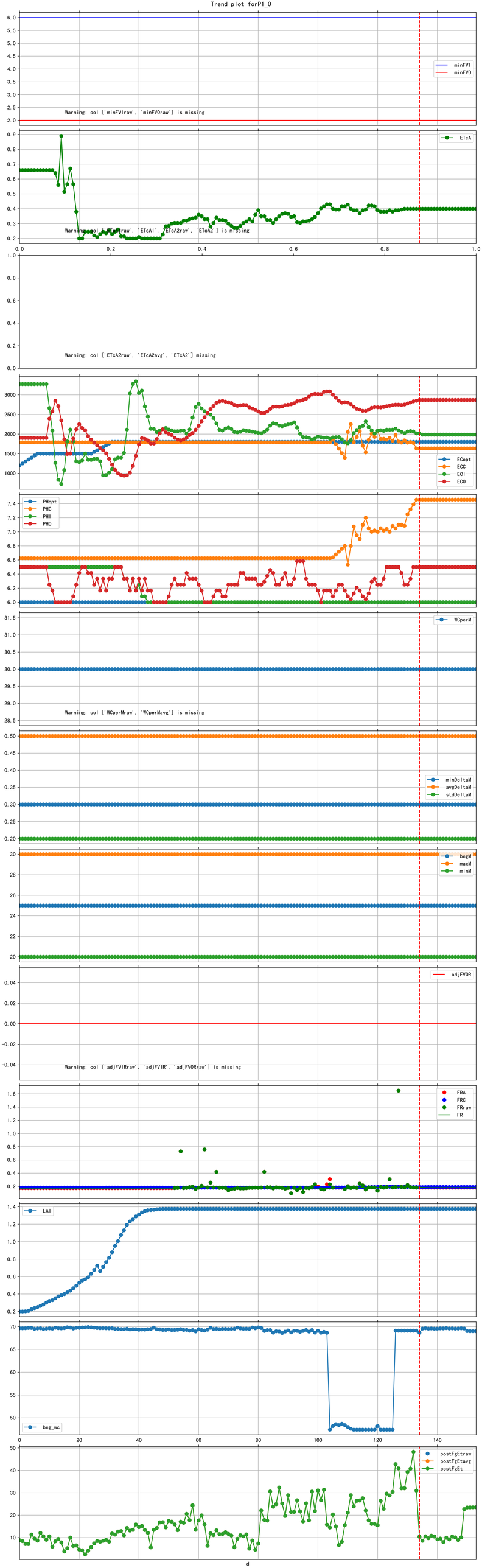


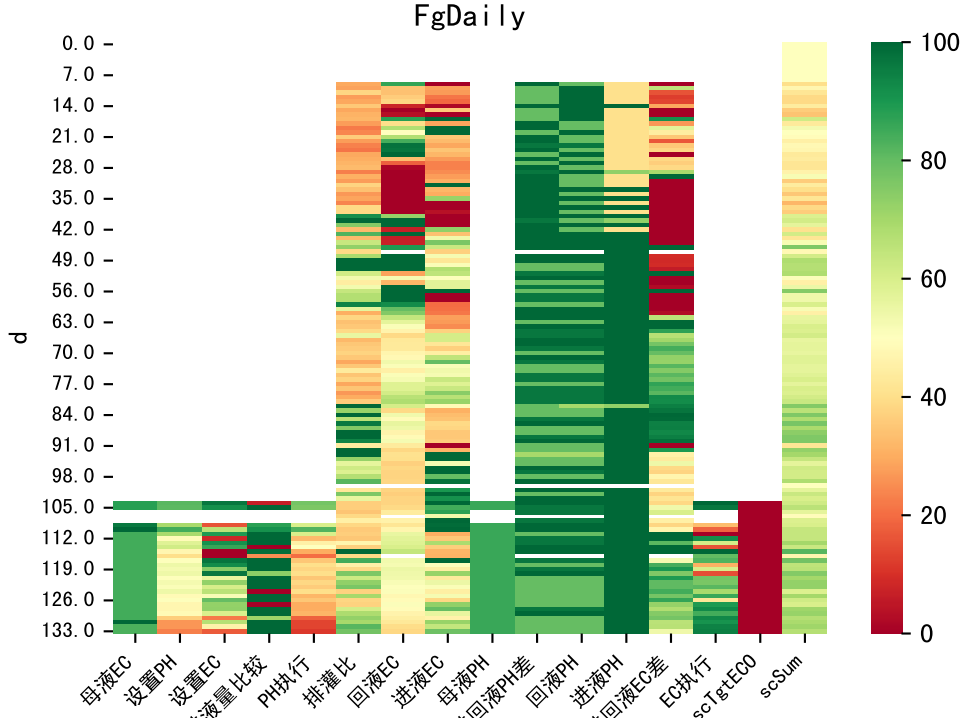




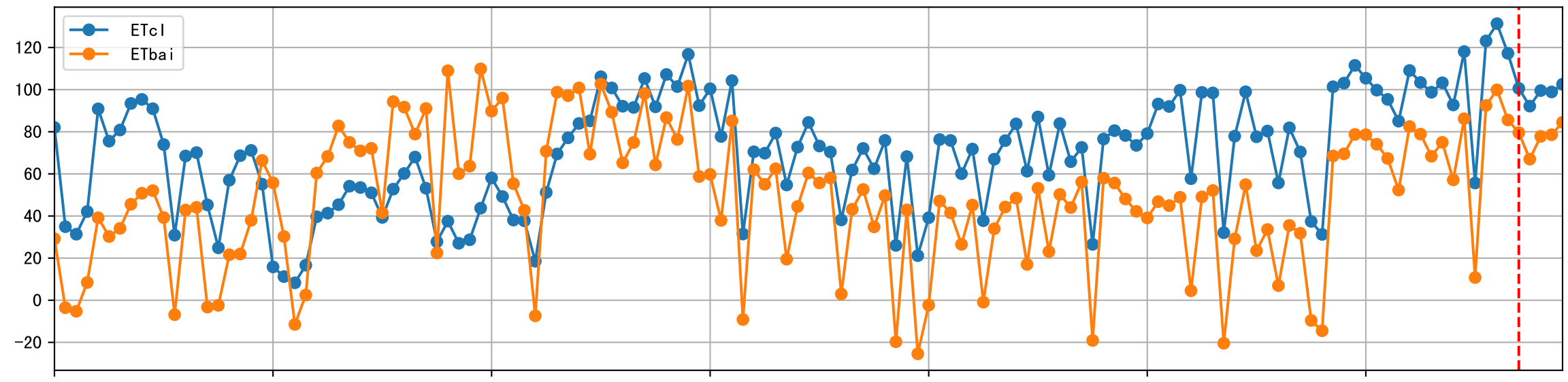


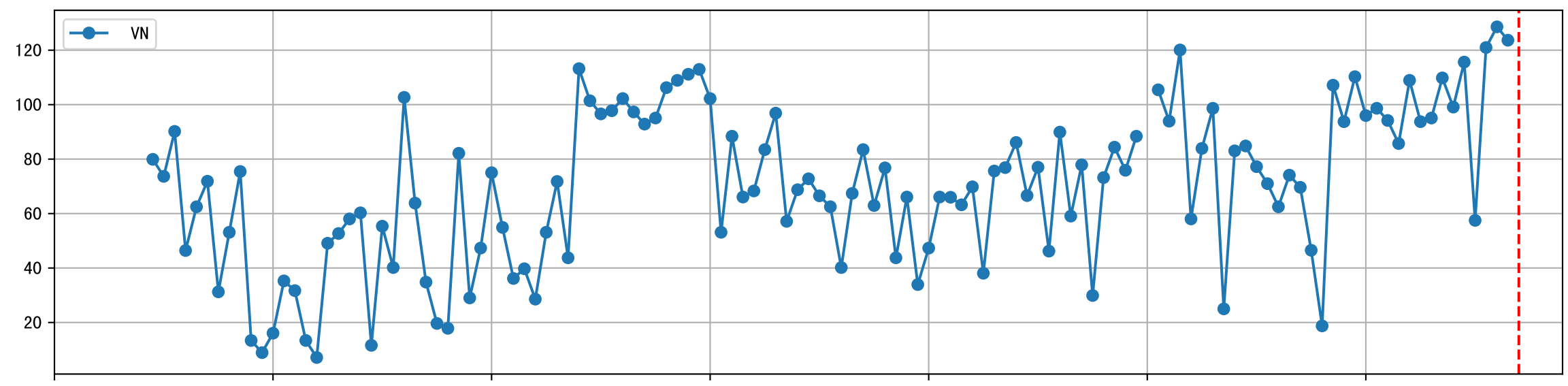

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

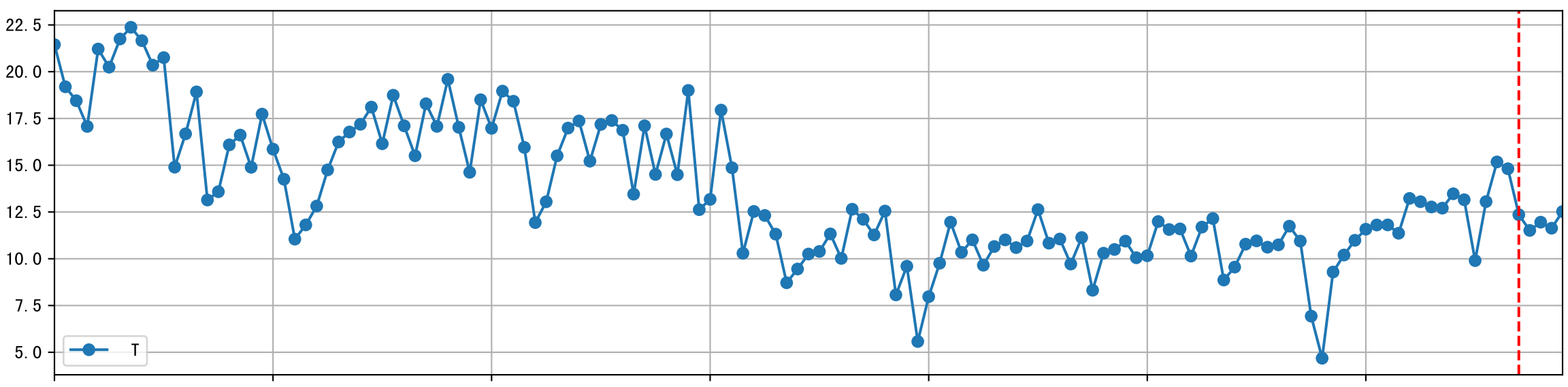

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

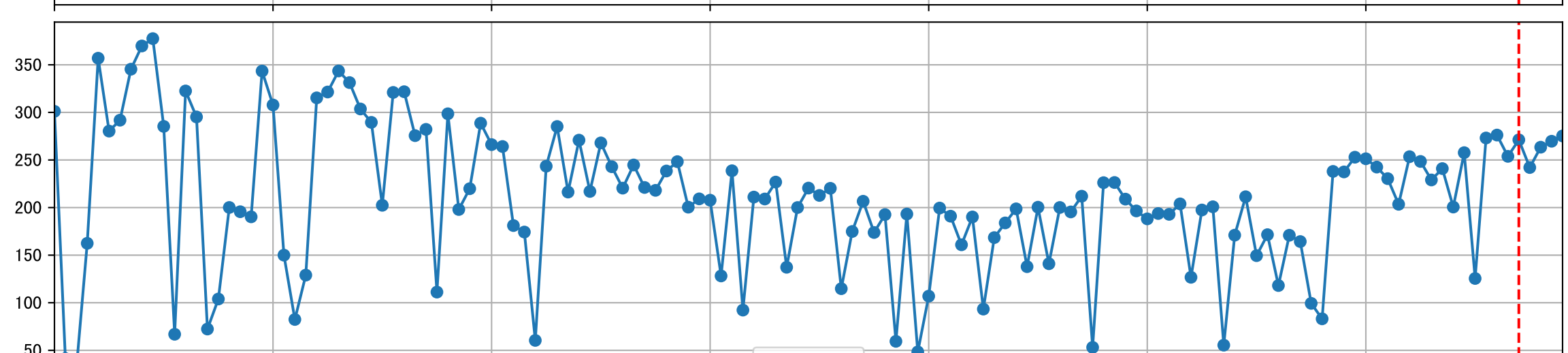

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
100
80
60
40
20
0
母液EC
设置PH
设置EC
液量比较
PH执行
排灌比
回液EC
进液EC
母液PH
回液PH差
回液PH
进液PH
回液EC差
EC执行
scTgtEC0
scSum

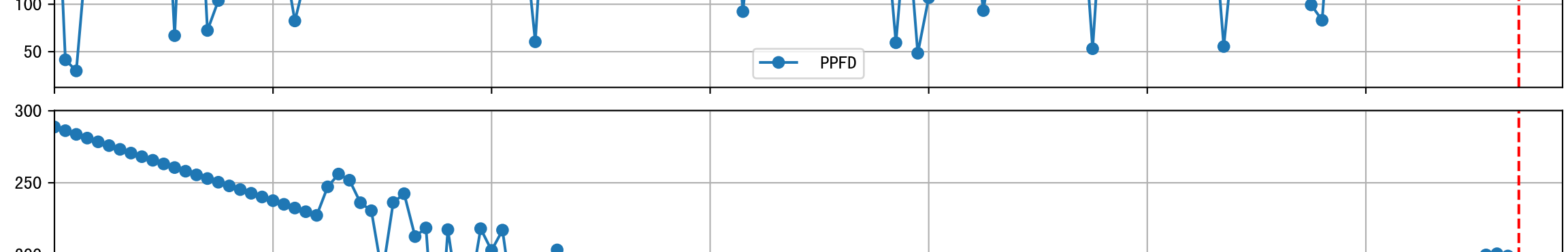
P1_0

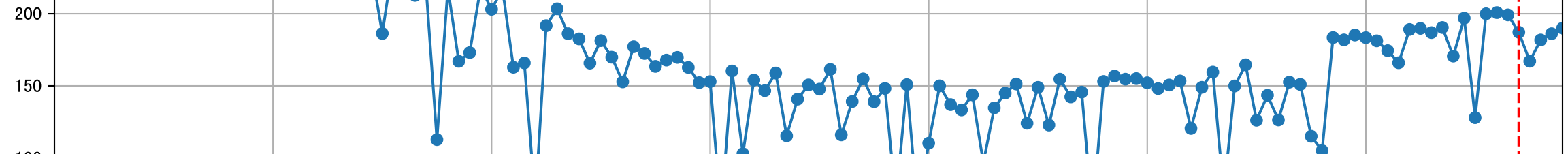

ETcl
ETbai
120
100
80
60
40
20
0
−20

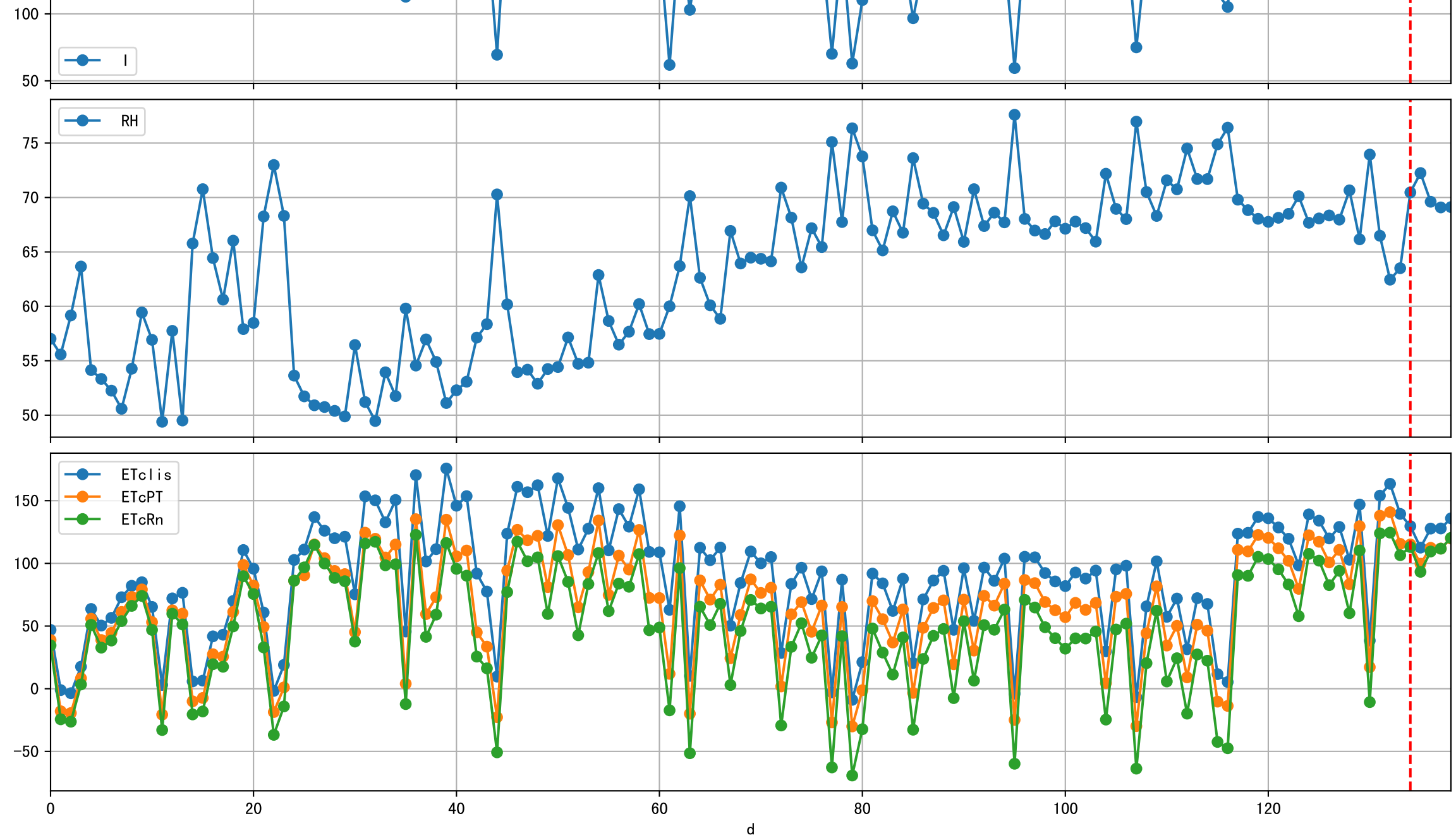

VN
120
100
80
60
40
20

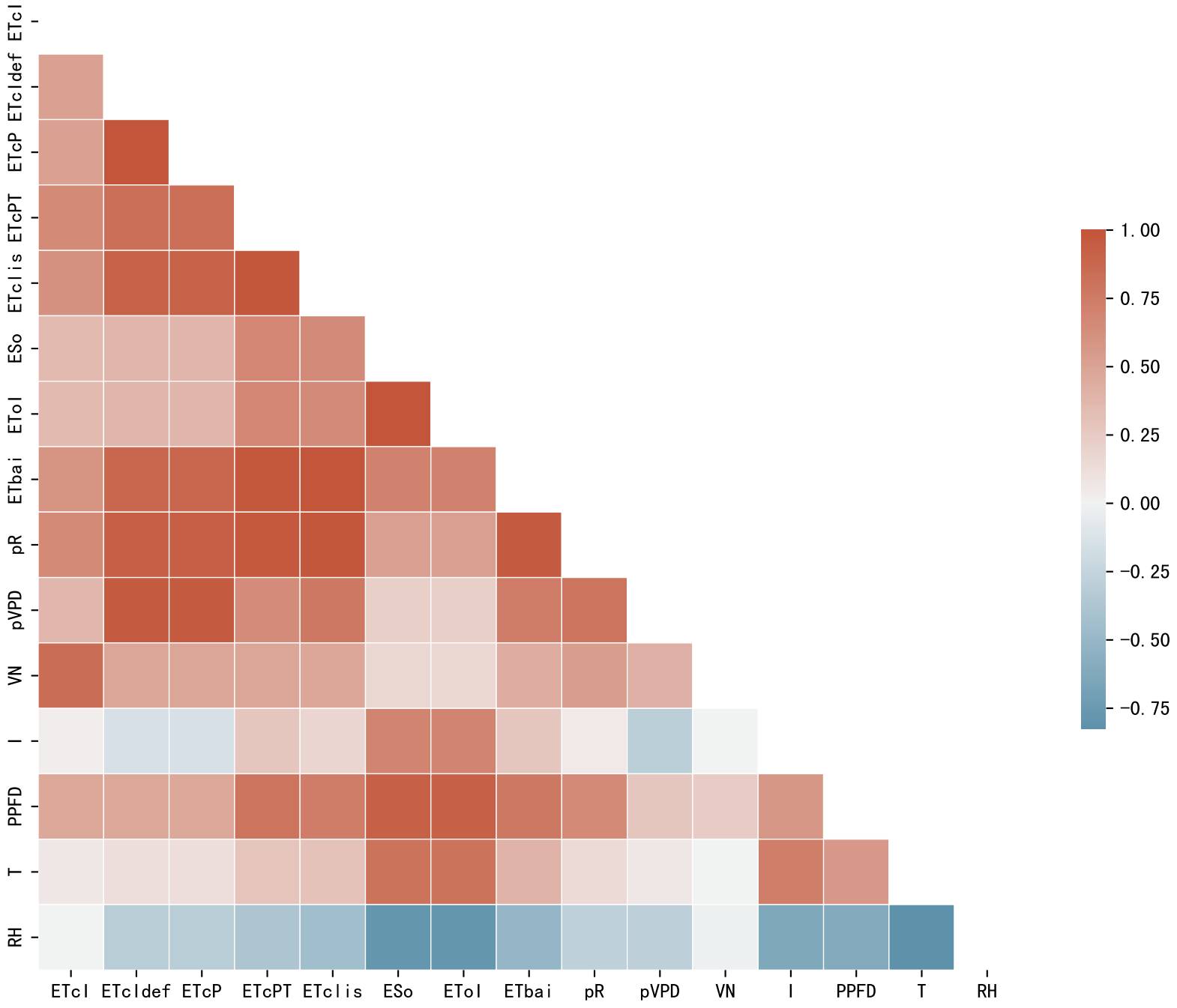

22.5
20.0
17.5
15.0
12.5
10.0
7.5
5.0
T

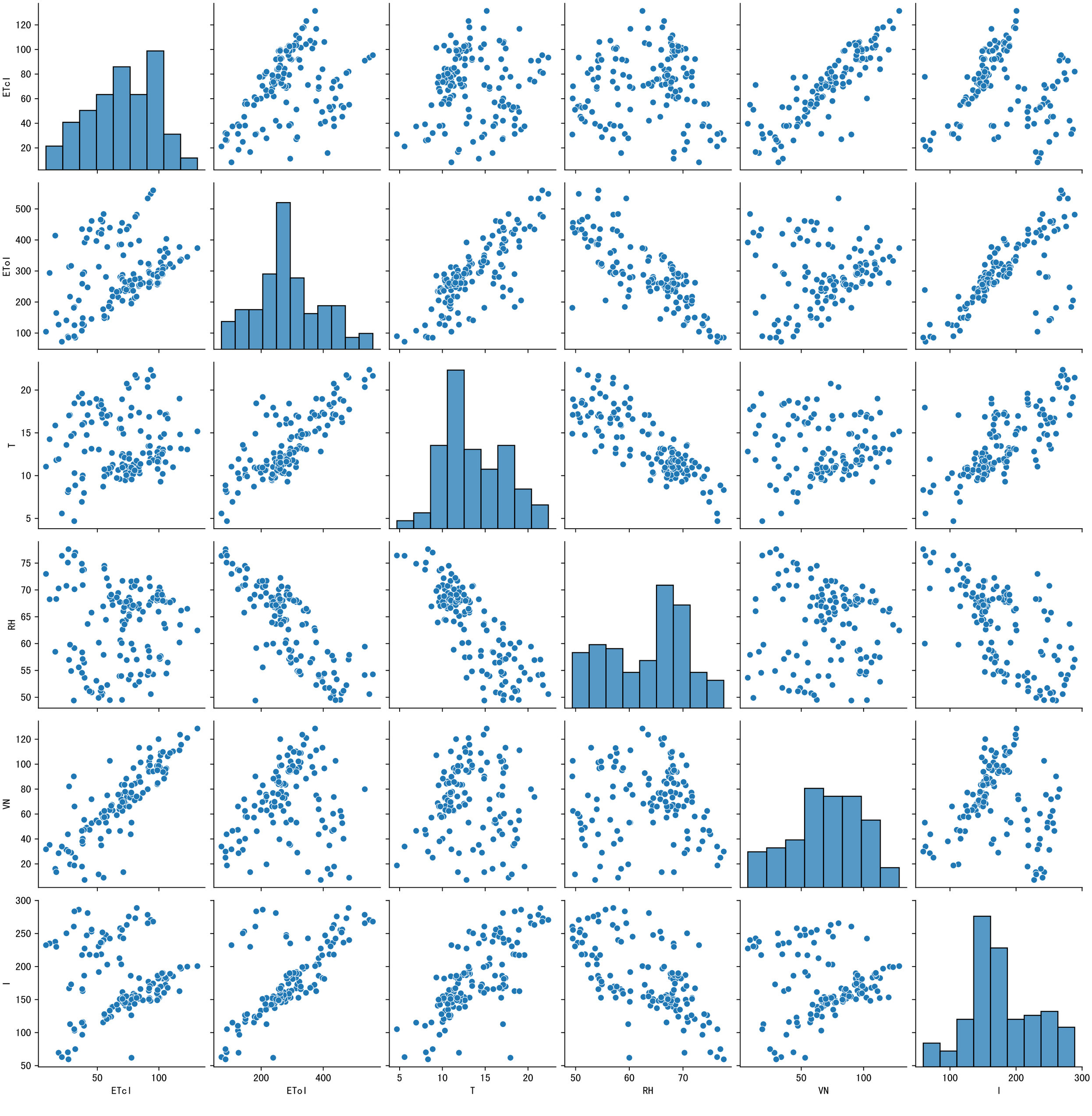

350
300
250
200
150
100
50
PPFD

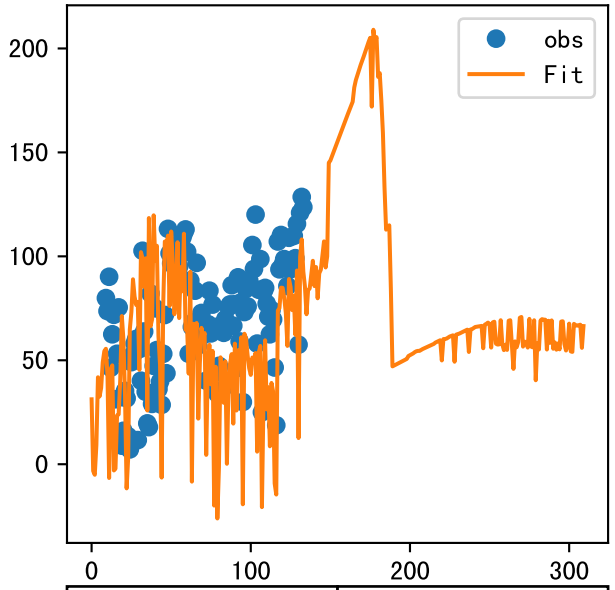

300
250
200
150
100
50
I

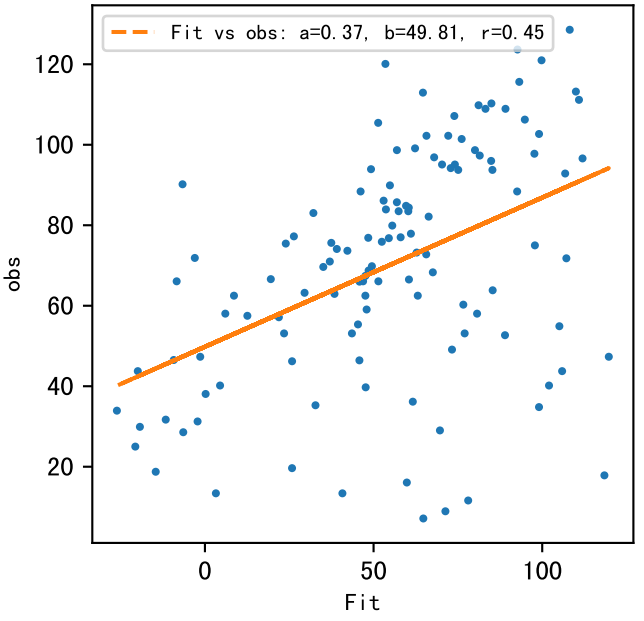

RH
75
70
65
60
55
50


ETclis
ETcPT
ETcRn
150
100
50
0
−50
0
20
40
60
80
100
120
d

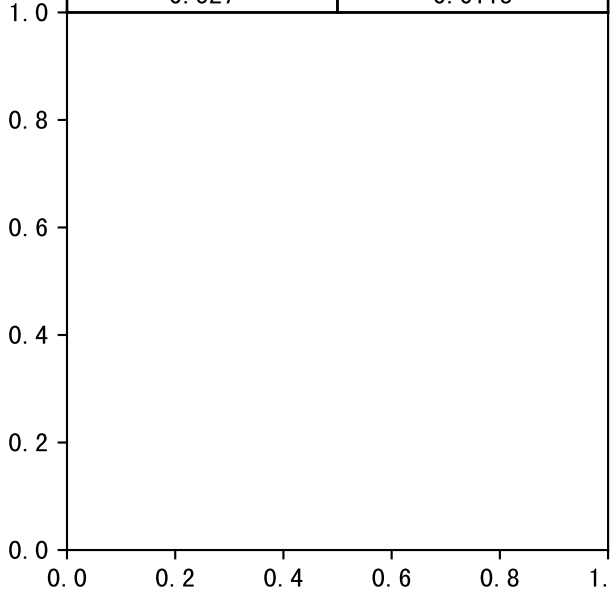

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

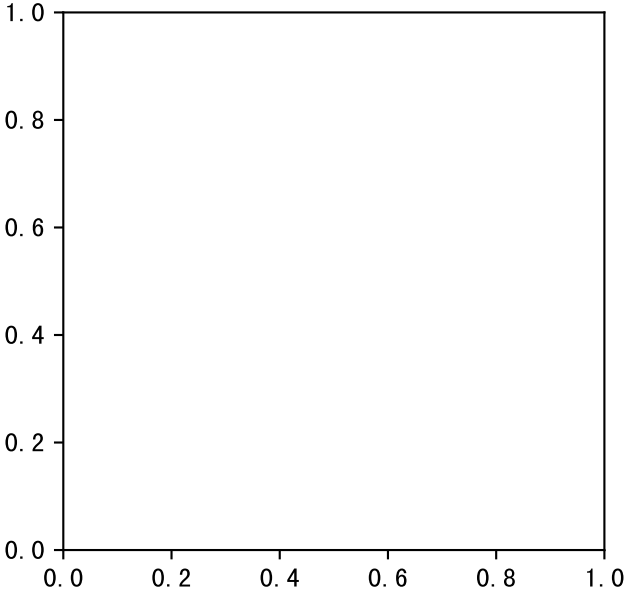

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

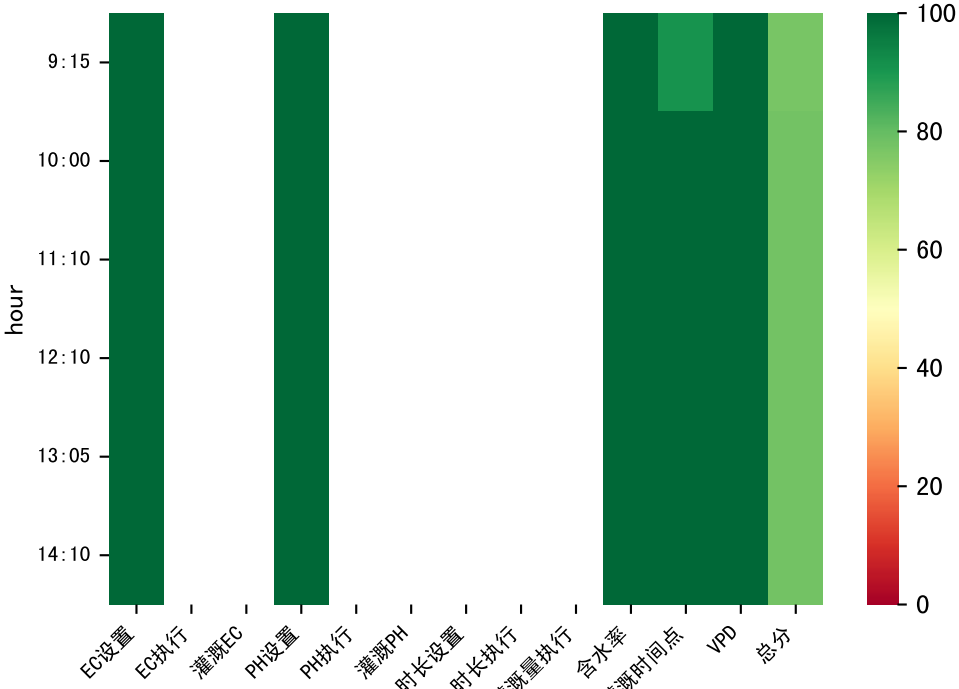




baiA	baiB
0.527	0.0113

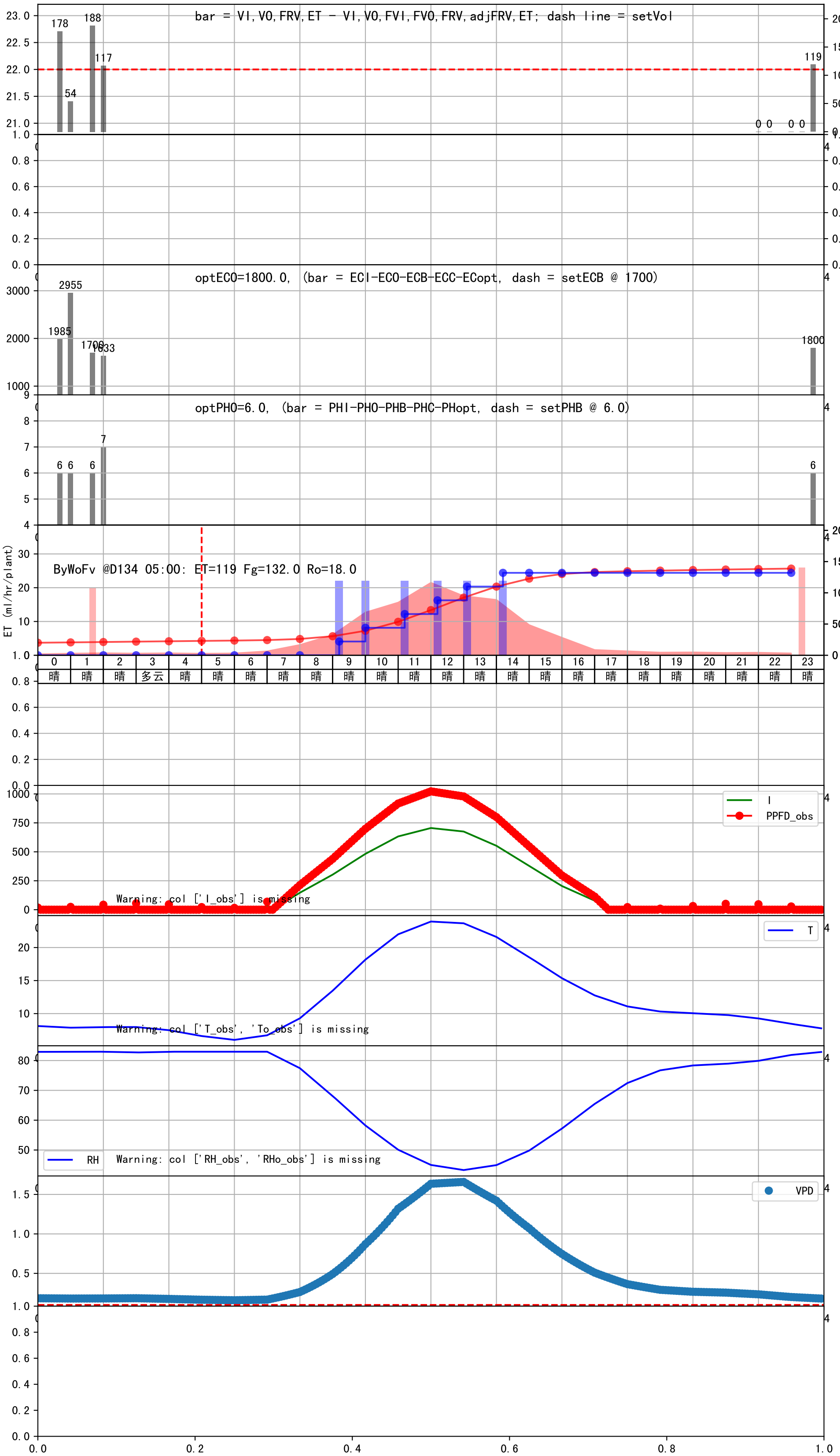


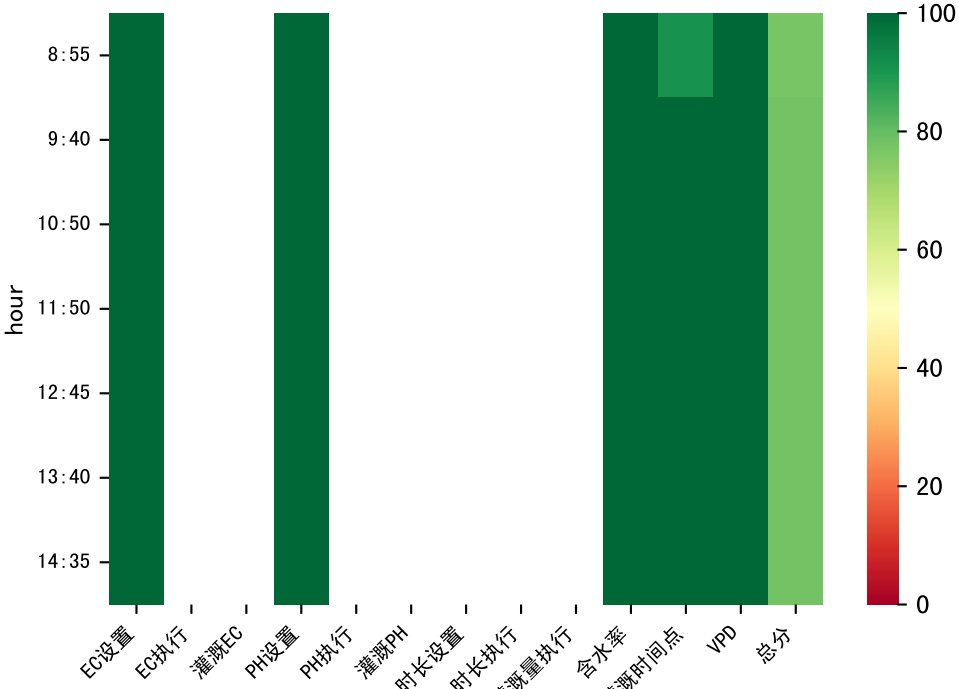



hour
9:15
10:00
11:10
12:10
13:05
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:15	116	22.0	0.485	晴	预期@09:15 自主（未用传感器）
10:00	116	22.0	0.485	晴	预期@10:00 自主（未用传感器）
11:10	116	22.0	0.485	晴	预期@11:10 自主（未用传感器）
12:10	116	22.0	0.485	晴	预期@12:10 自主（未用传感器）
13:05	116	22.0	0.485	晴	预期@13:05 自主（未用传感器）
14:10	116	22.0	0.485	晴	预期@14:10 自主（未用传感器）
总计	696.0 (6次)	132.0			建议进液EC：1700， PH：6.0

P1_0, Day=134 (2026-02-05)

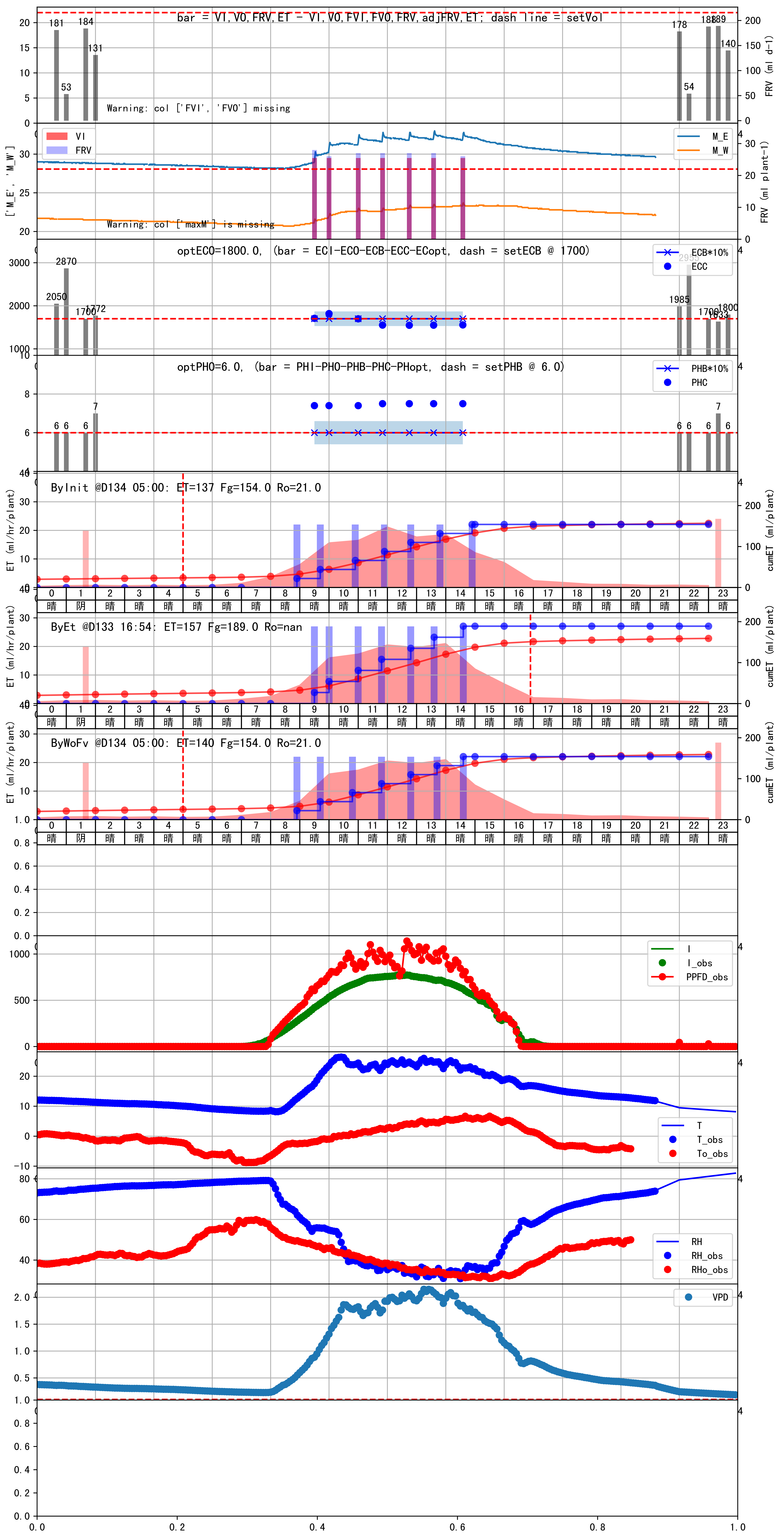


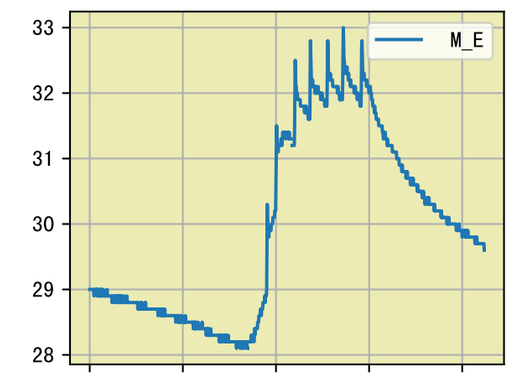

hour
8:55
9:40
10:50
11:50
12:45
13:40
14:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

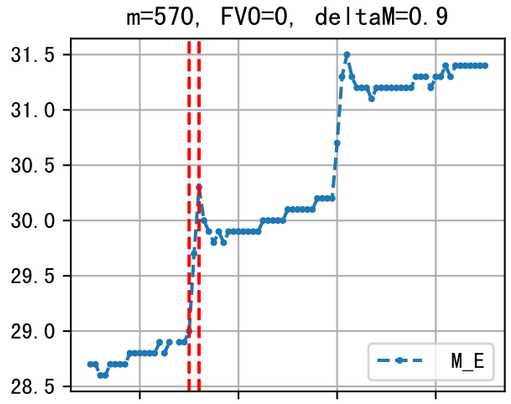
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:55	142	22.0	0.485	晴	假设@08:55 自动（未用传感器）
09:40	142	22.0	0.485	晴	假设@09:40 自动（未用传感器）
10:50	142	22.0	0.485	晴	假设@10:50 自动（未用传感器）
11:50	142	22.0	0.485	晴	假设@11:50 自动（未用传感器）
12:45	142	22.0	0.485	晴	假设@12:45 自动（未用传感器）
13:40	142	22.0	0.485	晴	假设@13:40 自动（未用传感器）
14:35	142	22.0	0.485	晴	假设@14:35 自动（未用传感器）
总计	994.0 (7次)	154.0			建议进液EC：1700， PH：6.0

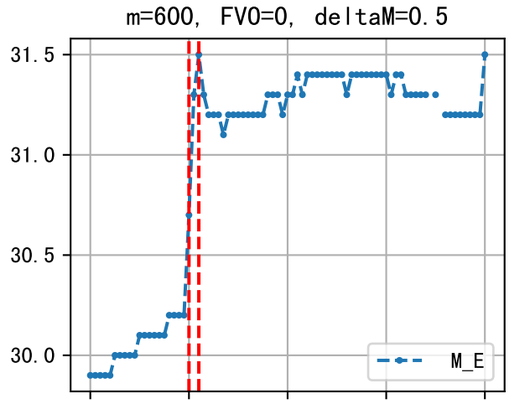
滴头平均流速偏小（0.19 vs def 0.5），请检查
上次灌溉时长(140)与预期(116.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉27.0 ml.

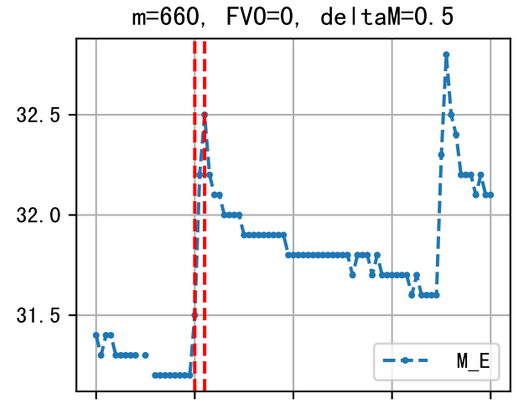
P1_0, Day=133.0 (2026-02-04)

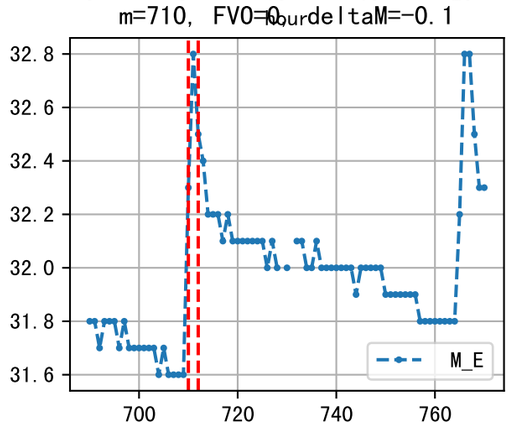


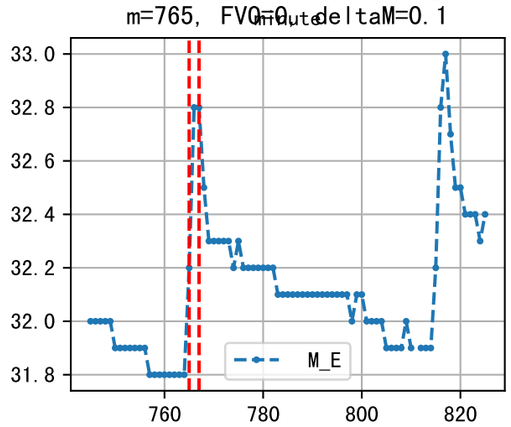

M_E

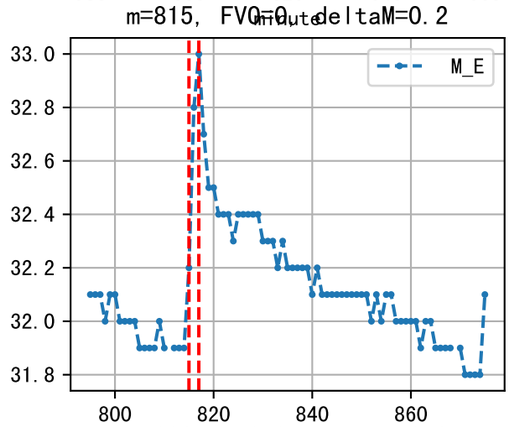

m=570, FVO=0, deltaM=0.9
M_E

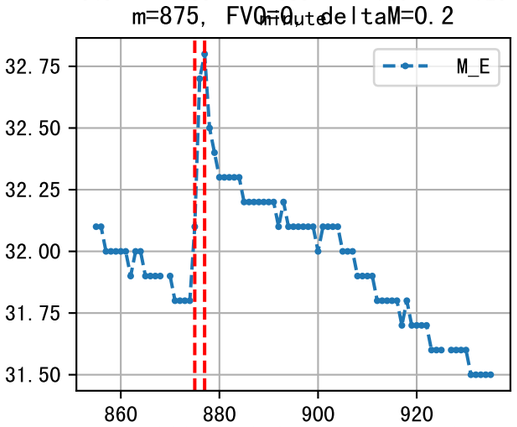

m=600, FVO=0, deltaM=0.5
M_E

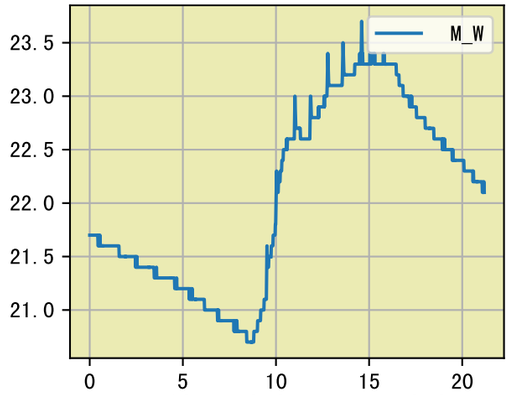

m=660, FVO=0, deltaM=0.5
M_E

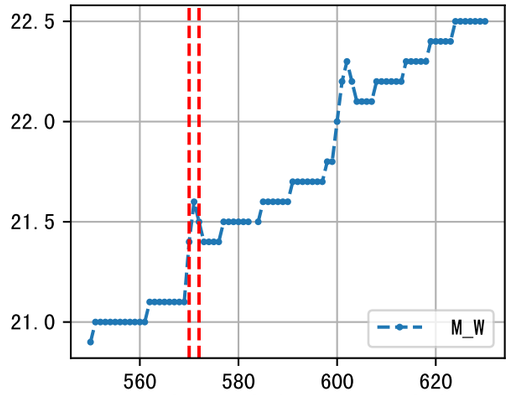

m=710, FVO=0, deltaM=-0.1
M_E
minute

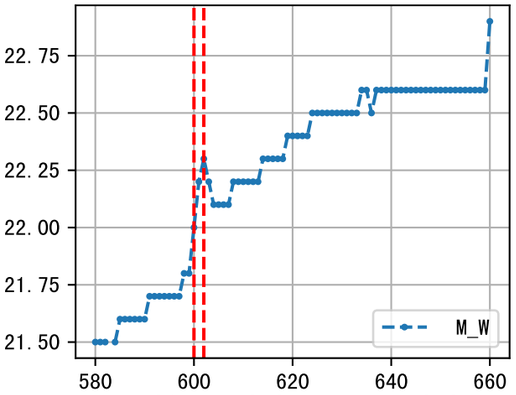

m=765, FVO=0, deltaM=0.1
M_E

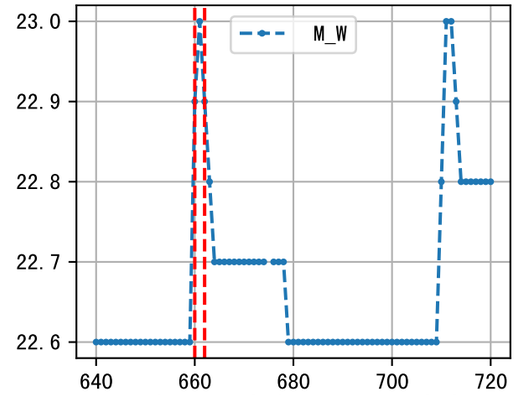

m=815, FVO=0, deltaM=0.2
M_E

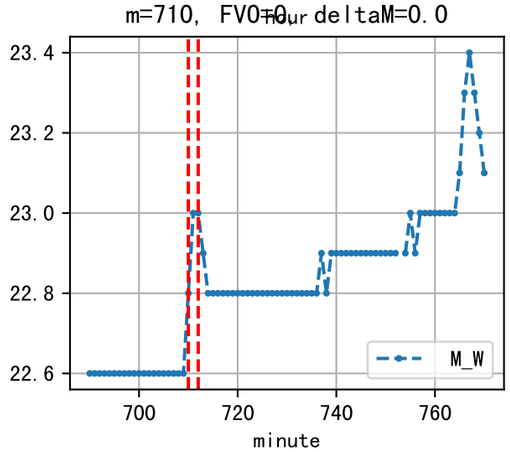

m=875, FVO=0, deltaM=0.2
M_E

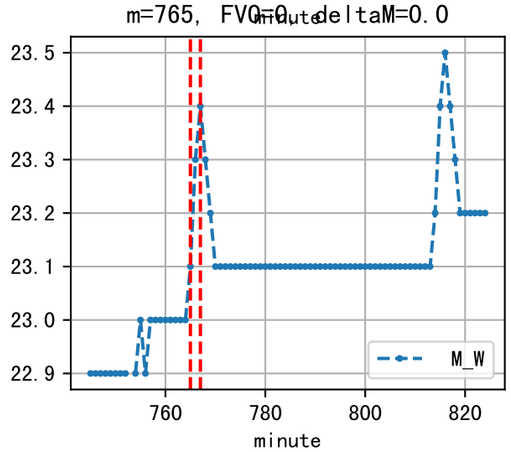

M_W

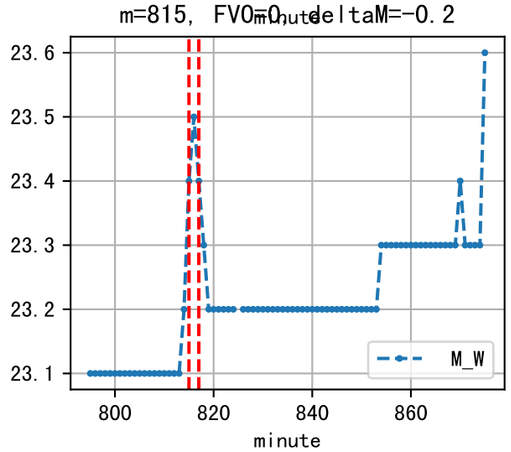

M_W

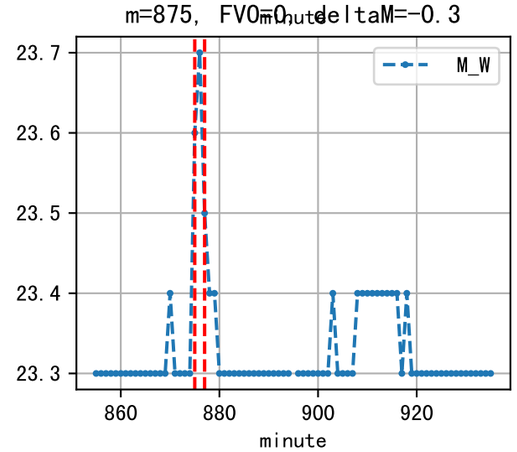

M_W

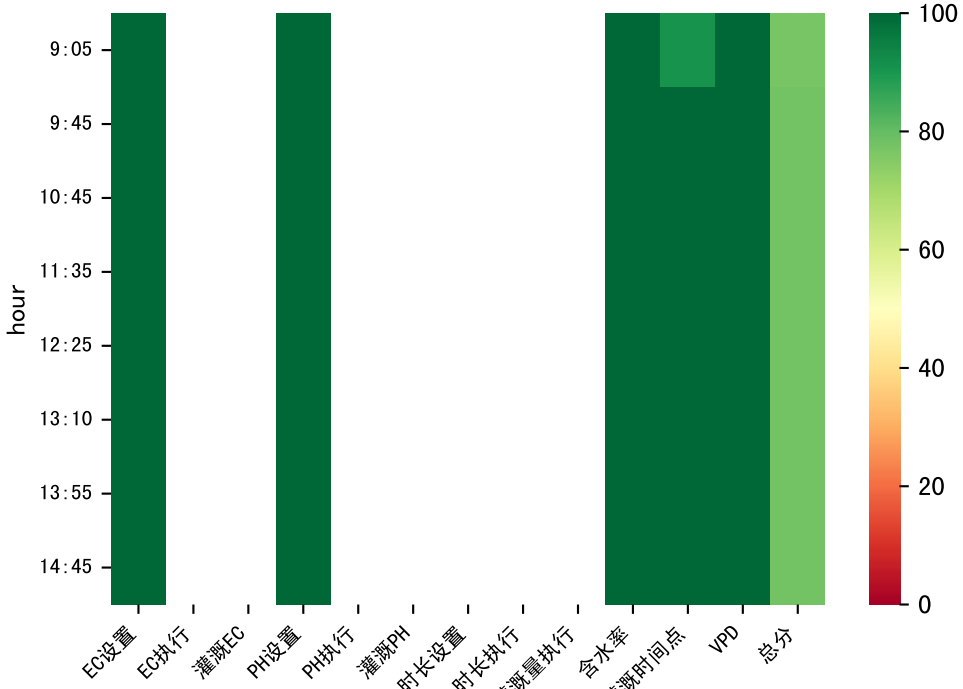

M_W


m=710, FVO=0, deltaM=0.0
M_W
minute


m=765, FVO=0, deltaM=0.0
M_W
minute


m=815, FVO=0, deltaM=-0.2
M_W
minute

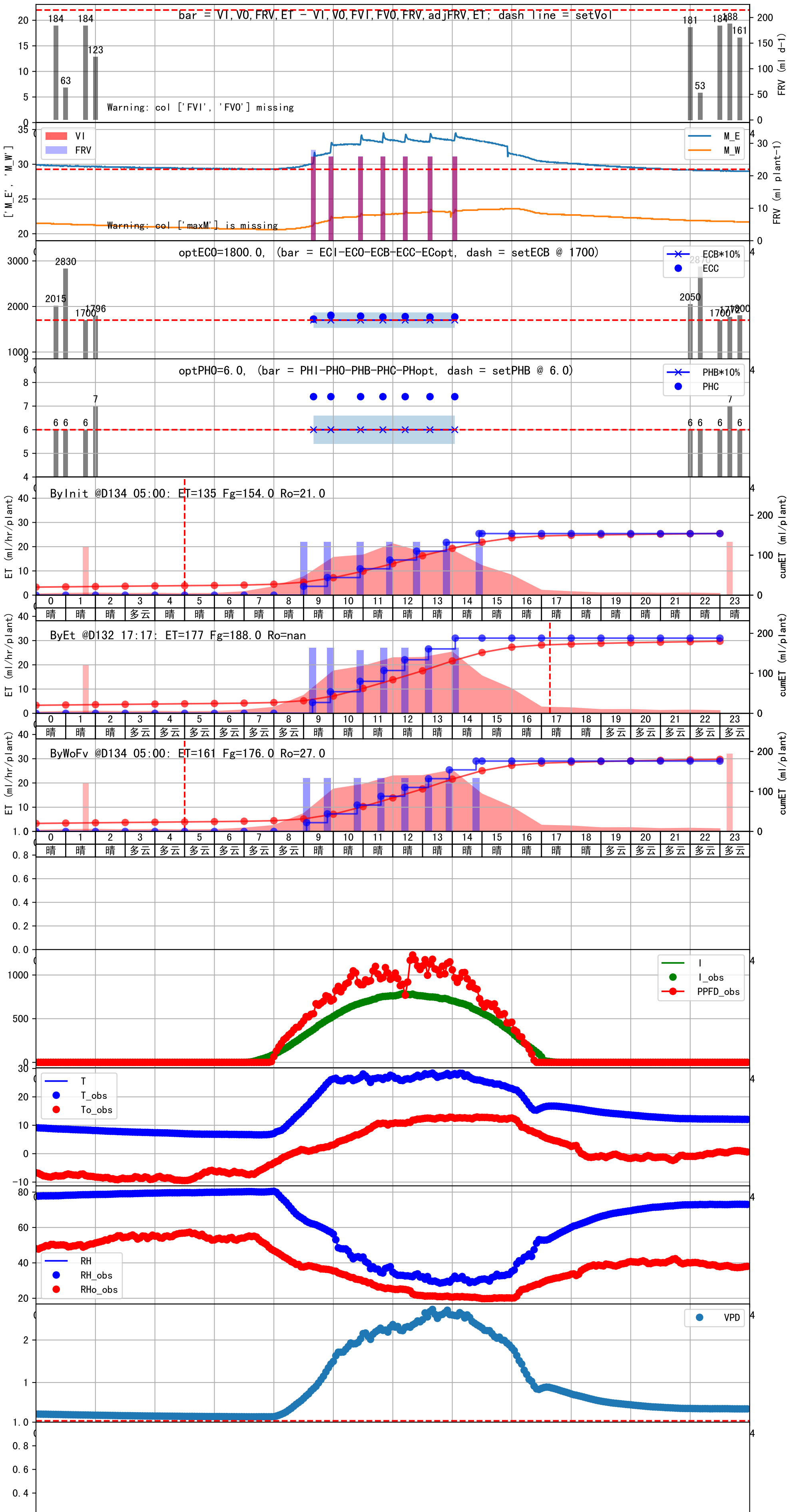

m=875, FVO=0, deltaM=-0.3
M_W
minute

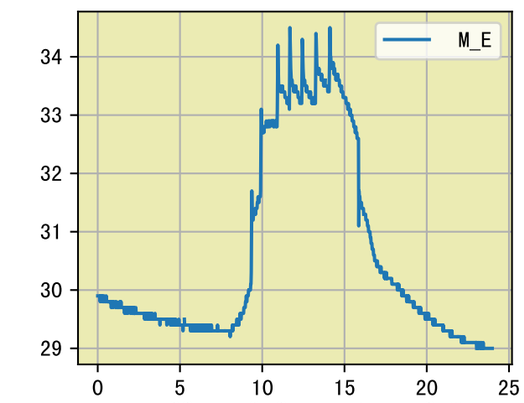

hour
9:05
9:45
10:45
11:35
12:25
13:10
13:55
14:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

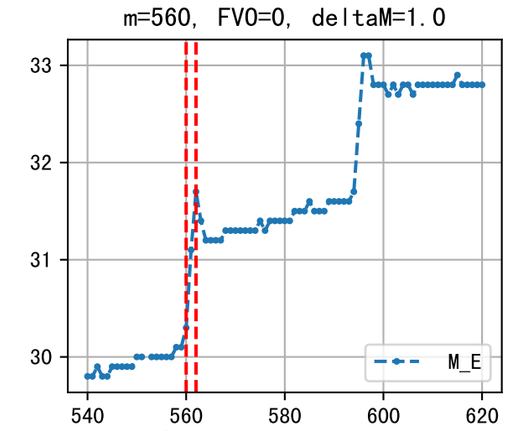
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:05	142	22.0	0.485	晴	假设@09:05 自动（未用传感器）
09:45	142	22.0	0.485	晴	假设@09:45 自动（未用传感器）
10:45	142	22.0	0.485	晴	假设@10:45 自动（未用传感器）
11:35	142	22.0	0.485	晴	假设@11:35 自动（未用传感器）
12:25	142	22.0	0.485	晴	假设@12:25 自动（未用传感器）
13:10	142	22.0	0.485	晴	假设@13:10 自动（未用传感器）
13:55	142	22.0	0.485	晴	假设@13:55 自动（未用传感器）
14:45	142	22.0	0.485	晴	假设@14:45 自动（未用传感器）
总计	1136.0 (8次)	176.0			建议进液EC：1700， PH：6.0

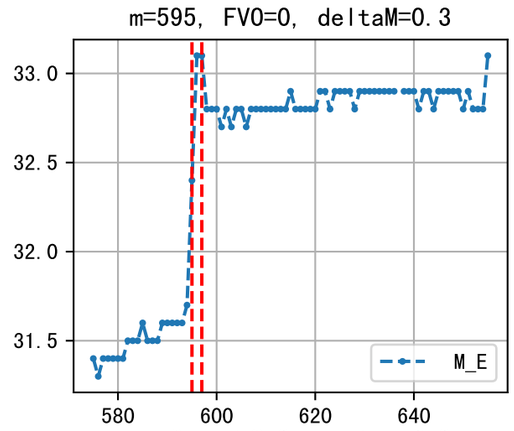
滴头平均流速偏小（0.19 vs def 0.5），请检查
上次灌溉时长(142)与预期(116.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉27.0 ml.

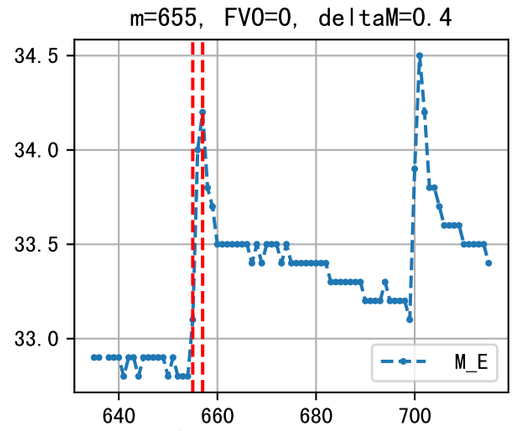
P1_0, Day=132.0 (2026-02-03)

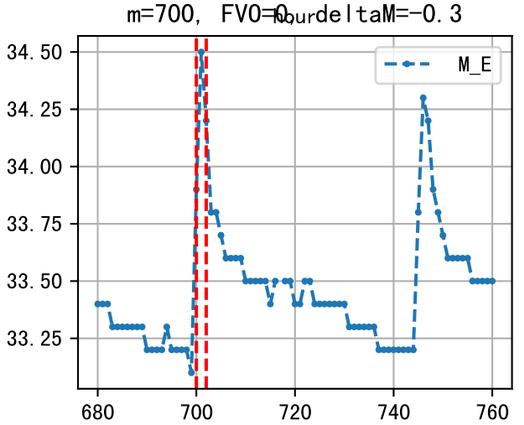


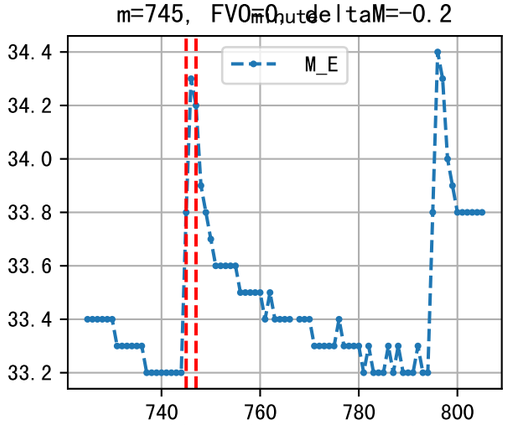

M_E
hour

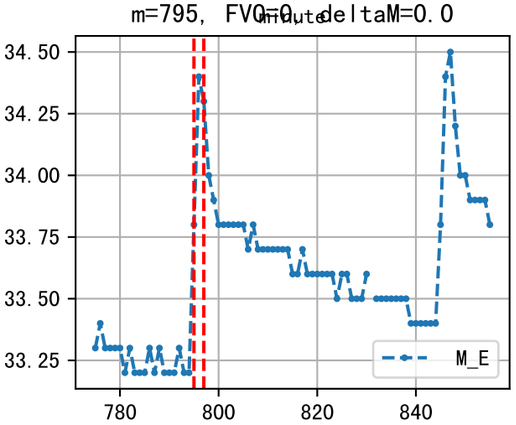

m=560, FV0=0, deltaM=1.0
M_E
minute

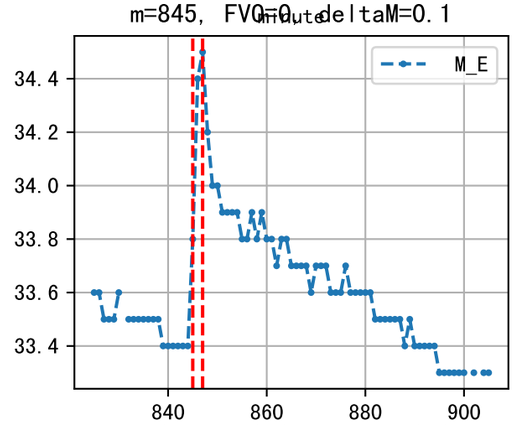

m=595, FV0=0, deltaM=0.3
M_E
minute

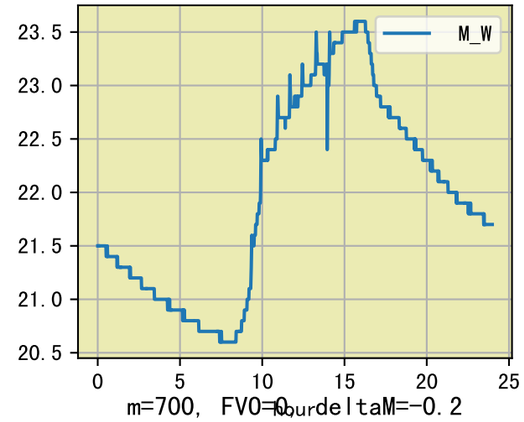

m=655, FV0=0, deltaM=0.4
M_E
minute

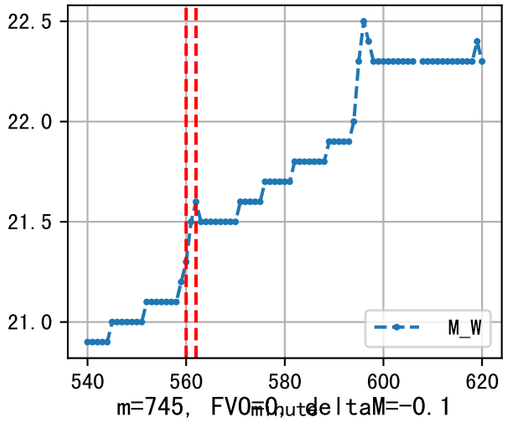

m=700, FV0=0, deltaM=-0.3
M_E
minute

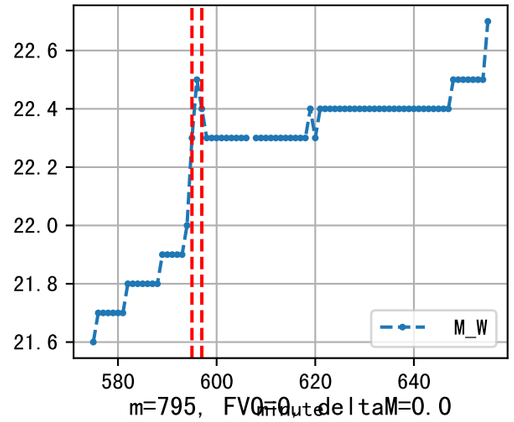

m=745, FV0=0, deltaM=-0.2
M_E
minute

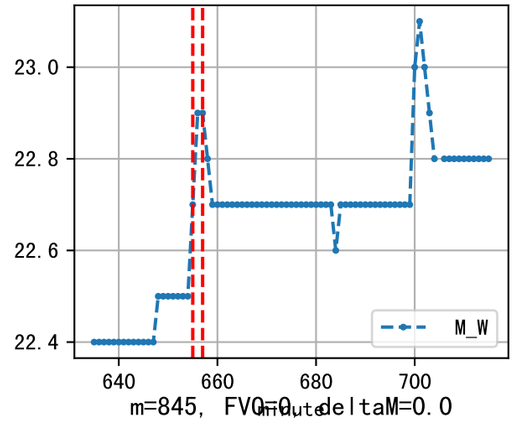

m=795, FV0=0, deltaM=0.0
M_E
minute

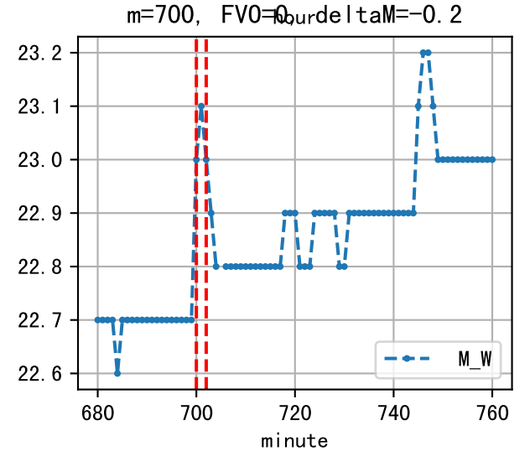

m=845, FV0=0, deltaM=0.1
M_E
minute

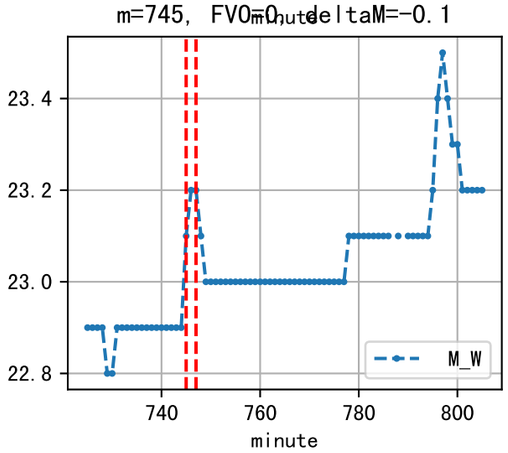

M_W
hour

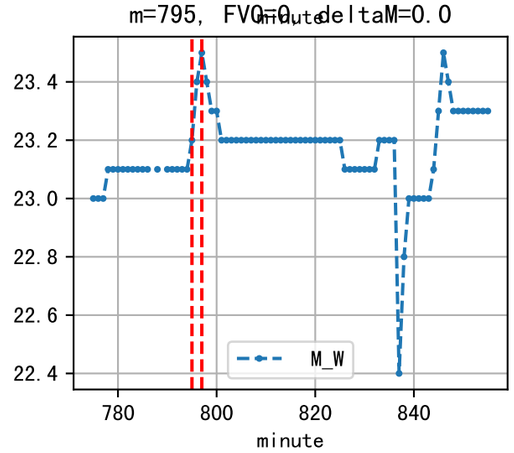

m=560, FV0=0, deltaM=0.2
M_W
minute

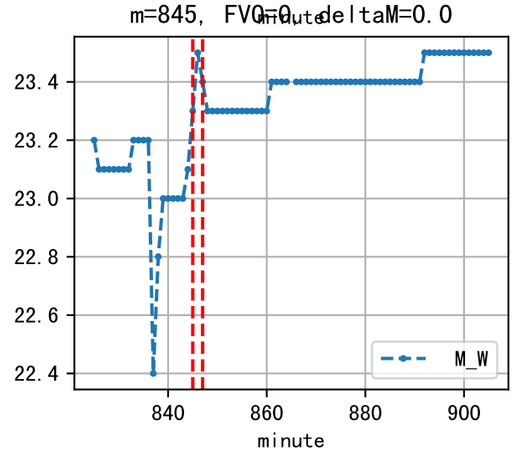

m=595, FV0=0, deltaM=0.0
M_W
minute

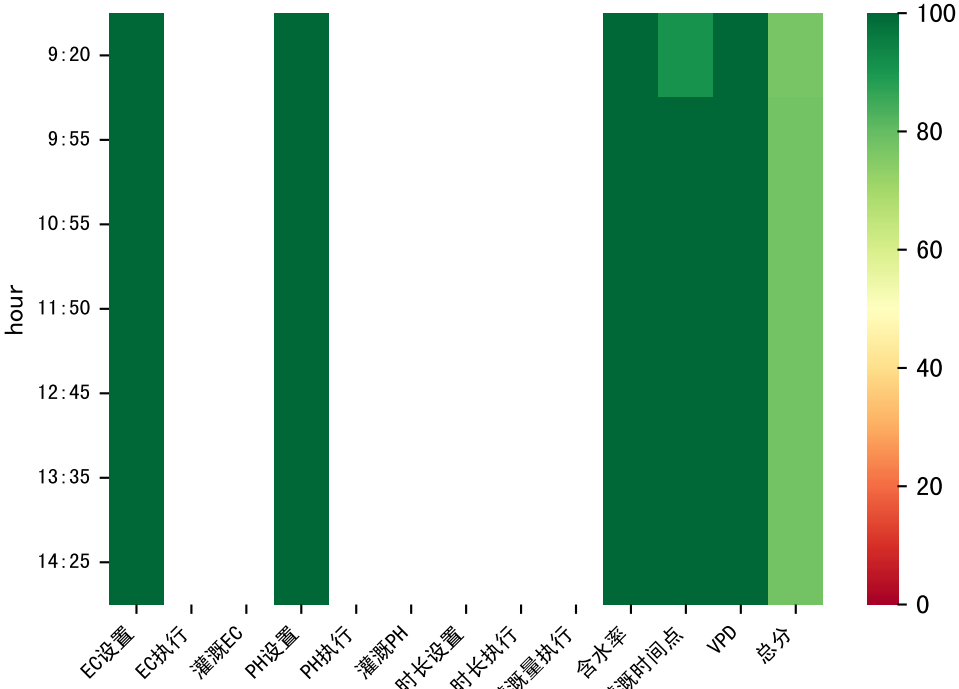

m=655, FV0=0, deltaM=0.0
M_W
minute


m=700, FV0=0, deltaM=-0.2
M_W
minute


m=745, FV0=0, deltaM=-0.1
M_W
minute


m=795, FV0=0, deltaM=0.0
M_W
minute

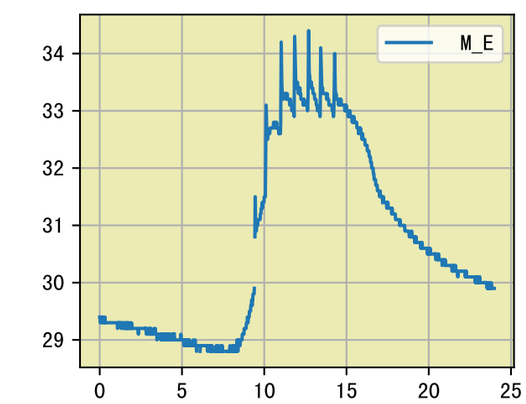

m=845, FV0=0, deltaM=0.0
M_W
minute

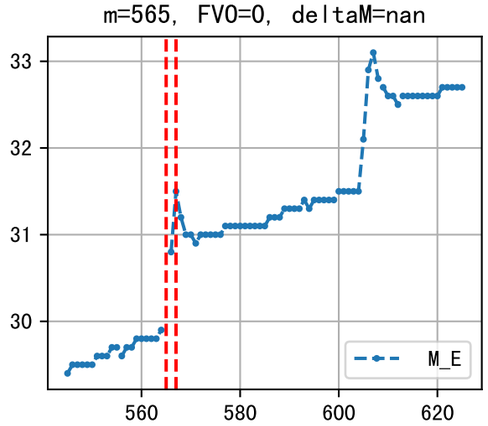

hour
9:20
9:55
10:55
11:50
12:45
13:35
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

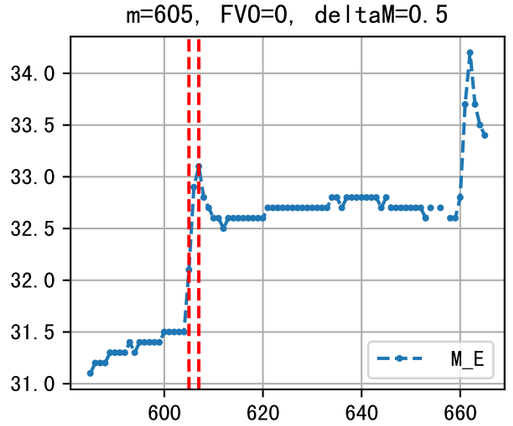
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:20	142	22.0	0.485	晴	假设@09:20 自动（未用传感器）
09:55	142	22.0	0.485	晴	假设@09:55 自动（未用传感器）
10:55	142	22.0	0.485	晴	假设@10:55 自动（未用传感器）
11:50	142	22.0	0.485	晴	假设@11:50 自动（未用传感器）
12:45	142	22.0	0.485	晴	假设@12:45 自动（未用传感器）
13:35	142	22.0	0.485	晴	假设@13:35 自动（未用传感器）
14:25	142	22.0	0.485	晴	假设@14:25 自动（未用传感器）
总计	994.0 (7次)	154.0			建议进液EC：1700， PH：6.0

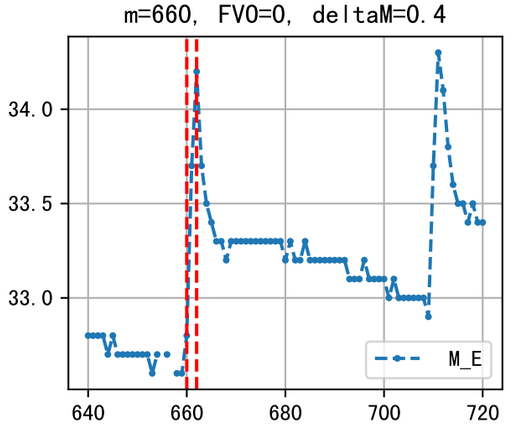
滴头平均流速偏小（0.19 vs def 0.5），请检查
上次灌溉时长(139)与预期(116.0)不符, 可能由于多阀同灌按参考区灌溉
默认实际灌溉26.0 ml.

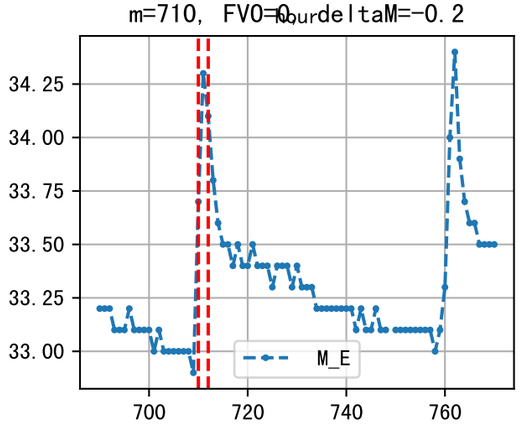
P1_0, Day=131.0 (2026-02-02)

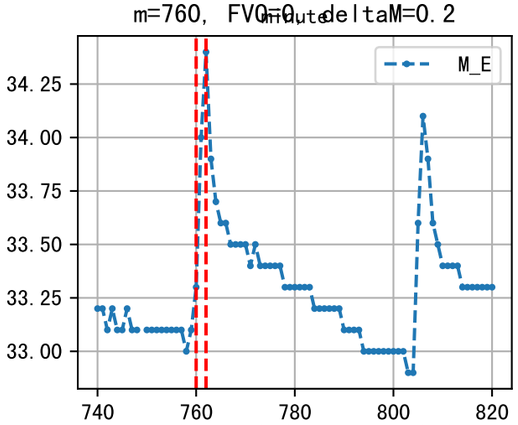

M_E

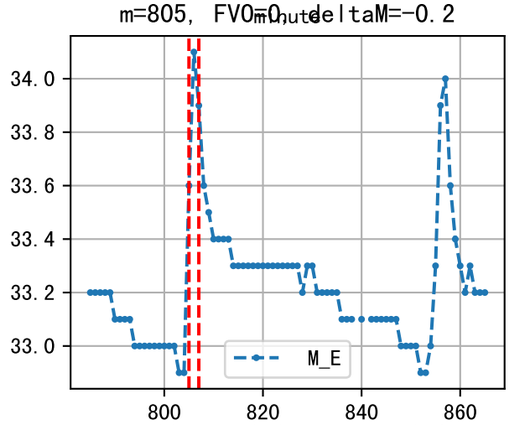

m=565, FVO=0, deltaM=nan
M_E

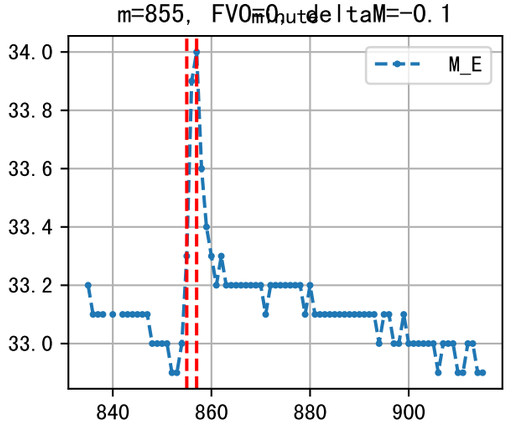

m=605, FVO=0, deltaM=0.5
M_E

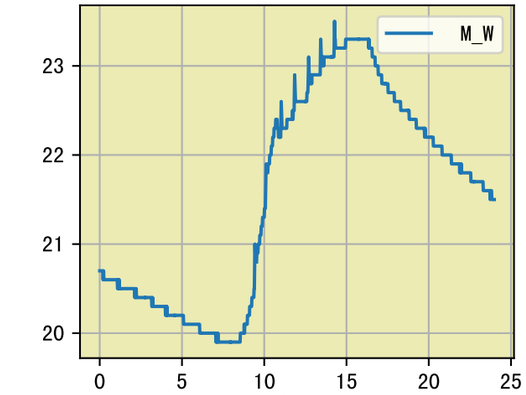

m=660, FVO=0, deltaM=0.4
M_E

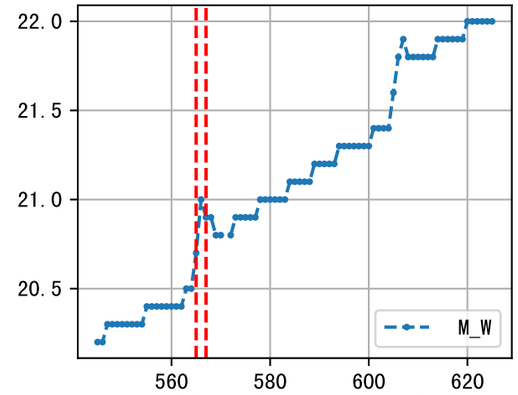

m=710, FVO=0, deltaM=-0.2
M_E
minute

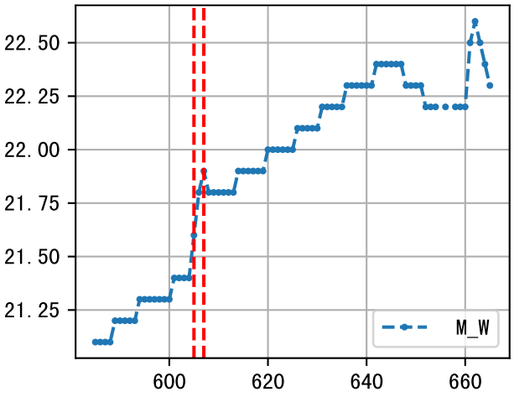

m=760, FVO=0, deltaM=0.2
M_E

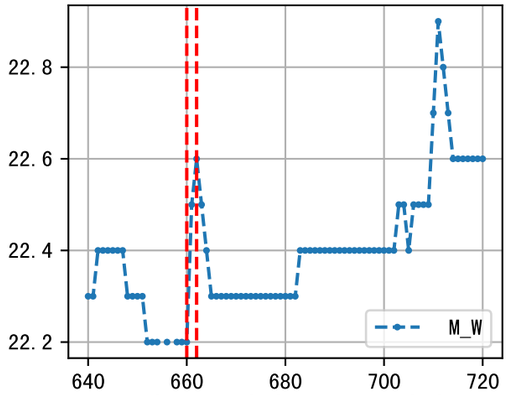

m=805, FVO=0, deltaM=-0.2
M_E

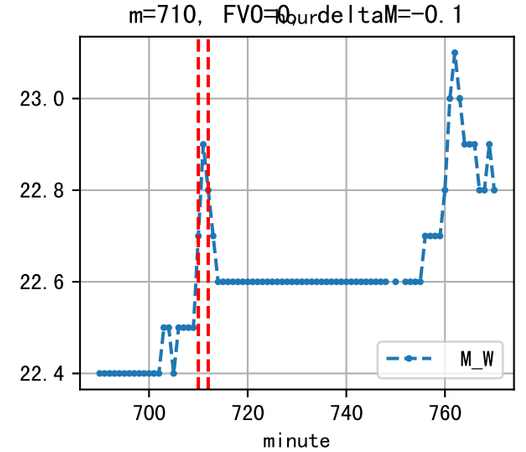

m=855, FVO=0, deltaM=-0.1
M_E

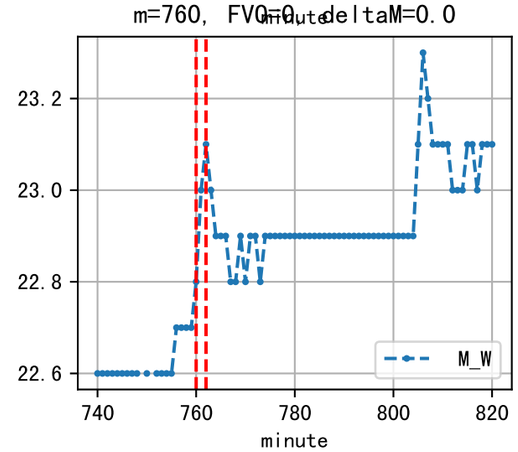

M_W

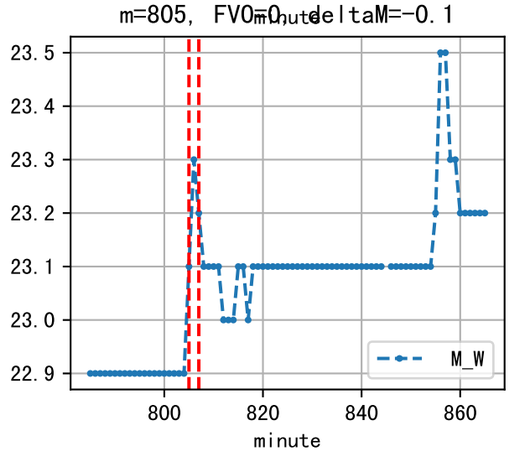

M_W

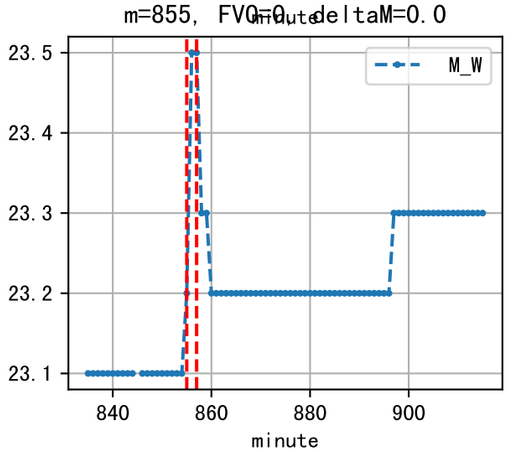

M_W

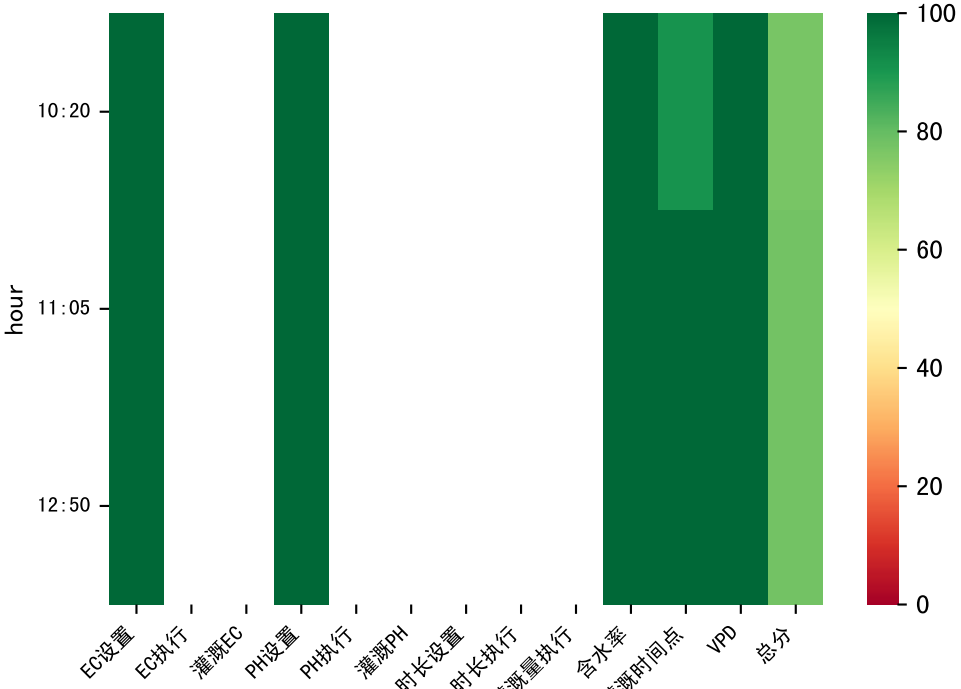

M_W


m=710, FVO=0, deltaM=-0.1
M_W
minute


m=760, FVO=0, deltaM=0.0
M_W
minute


m=805, FVO=0, deltaM=-0.1
M_W
minute

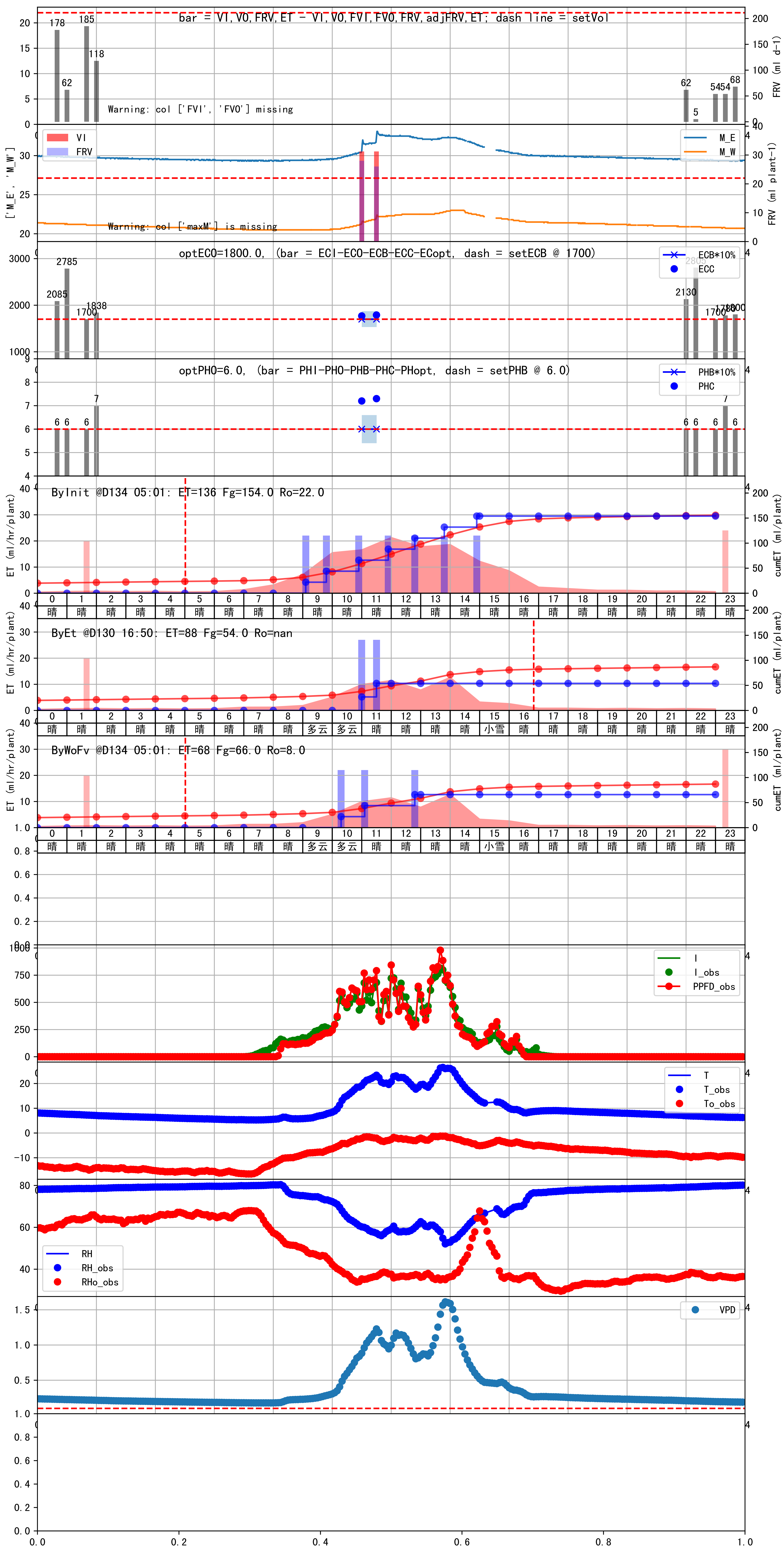

m=855, FVO=0, deltaM=0.0
M_W
minute

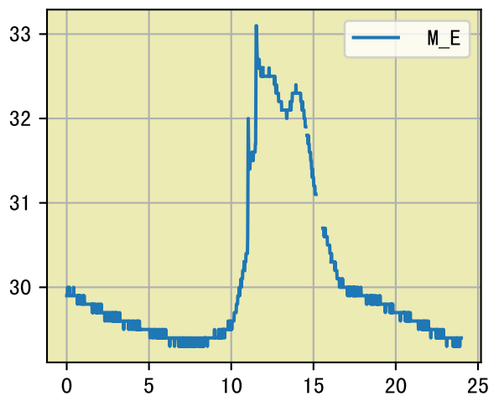

hour
10:20
11:05
12:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

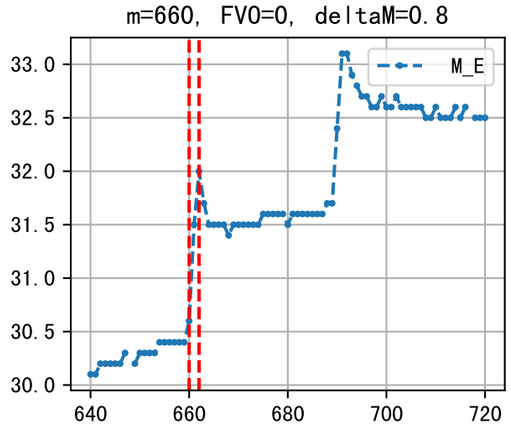
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:20	142	22.0	0.485	多云	假设@10:20 自动（未用传感器）
11:05	142	22.0	0.485	晴	假设@11:05 自动（未用传感器）
12:50	142	22.0	0.485	晴	假设@12:50 自动（未用传感器）
总计	426.0 (3次)	66.0			建议进液EC：1700， PH：6.0

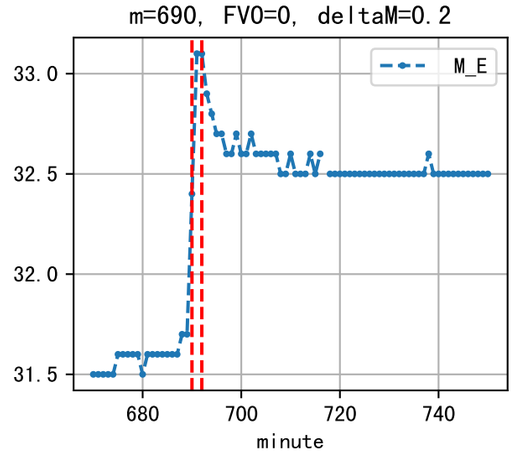
滴头平均流速偏小（0.19 vs def 0.5），请检查
上次灌溉时长(142)与预期(116.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉27.0 ml.

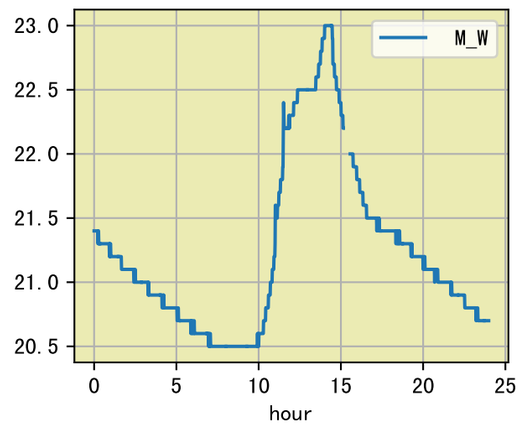
P1_0, Day=130.0 (2026-02-01)

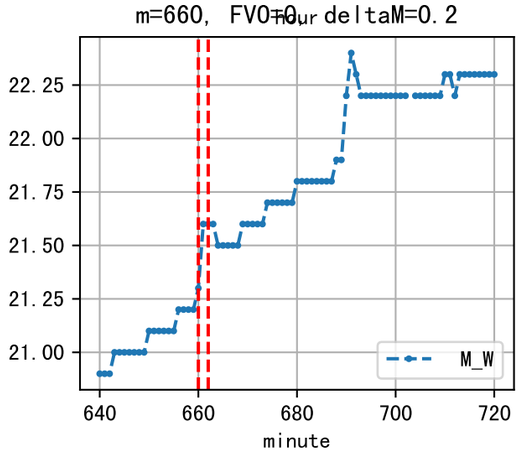


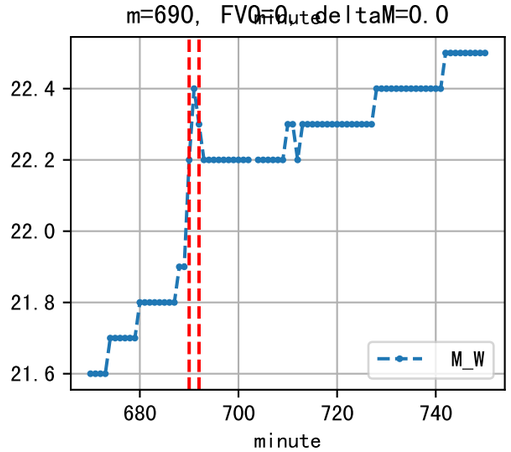

M_E
33
32
31
30
0
5
10
15
20
25


m=660, FV0=0, deltaM=0.8
M_E
33.0
32.5
32.0
31.5
31.0
30.5
30.0
640
660
680
700
720


m=690, FV0=0, deltaM=0.2
M_E
33.0
32.5
32.0
31.5
680
700
720
740
minute


M_W
23.0
22.5
22.0
21.5
21.0
20.5
0
5
10
15
20
25
hour


m=660, FV0=0, deltaM=0.2
M_W
22.25
22.00
21.75
21.50
21.25
21.00
640
660
680
700
720
minute


m=690, FV0=0, deltaM=0.0
M_W
22.4
22.2
22.0
21.8
21.6
680
700
720
740
minute