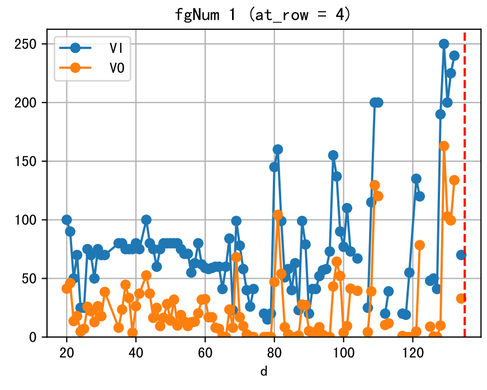
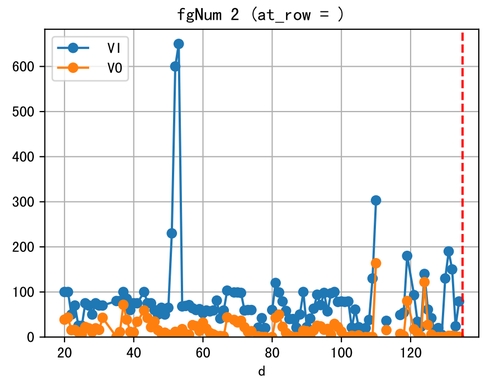
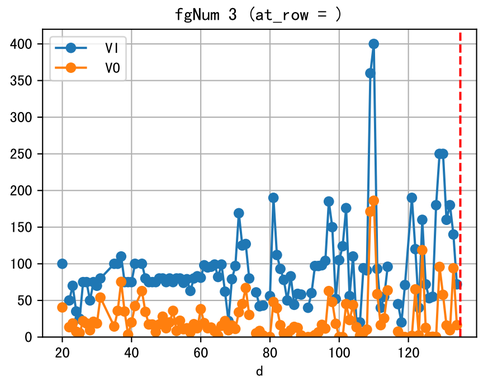
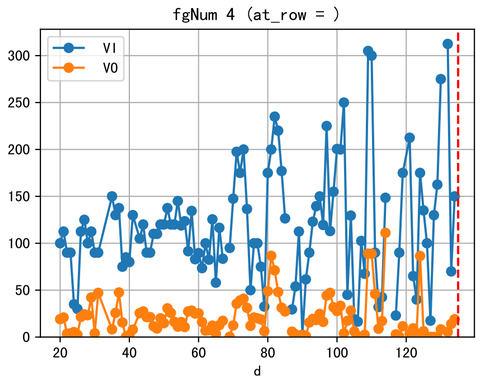
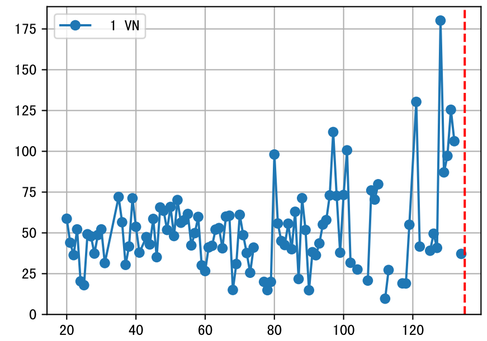
FgArea: ['1']
NJ15 L1
2026-02-18 (Day 135)

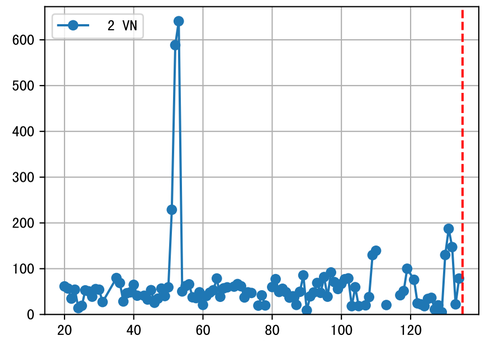

fgNum 1 (at_row = 4)
VI
VO
d

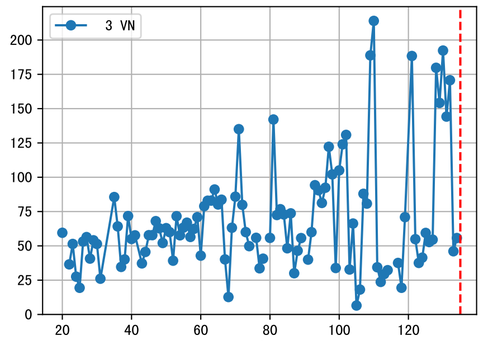

fgNum 2 (at_row =)
VI
VO
d

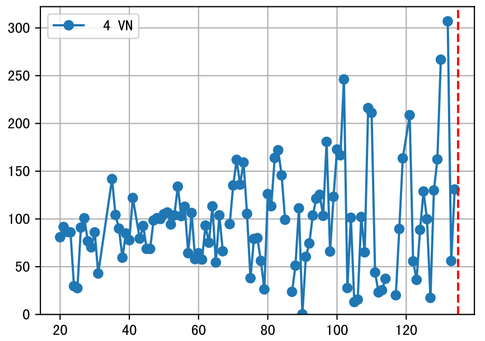

fgNum 3 (at_row =)
VI
VO
d

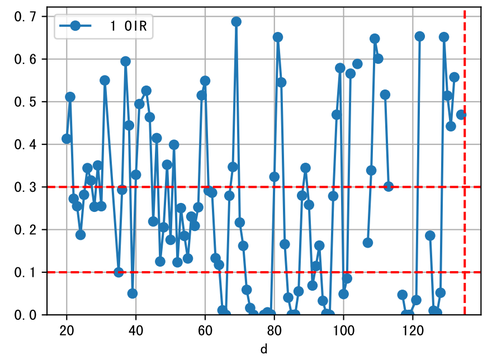

fgNum 4 (at_row =)
VI
VO
d

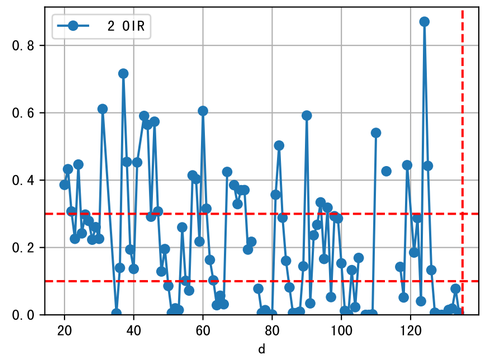

1 VN
d

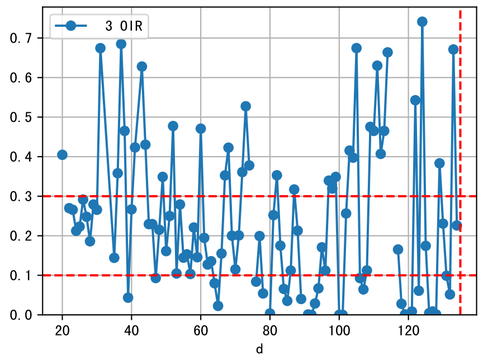

2 VN
d

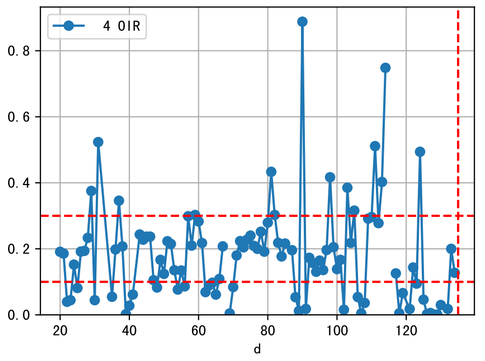

3 VN
d

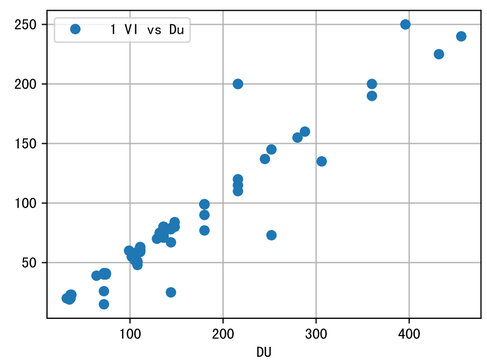

4 VN
d

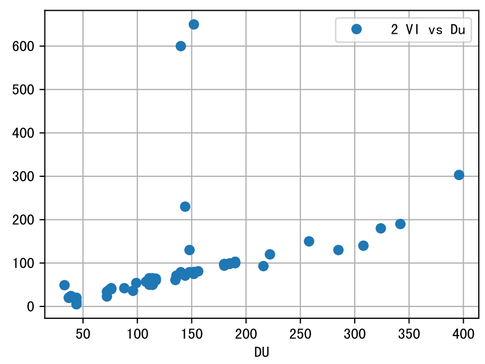

1 OIR
d

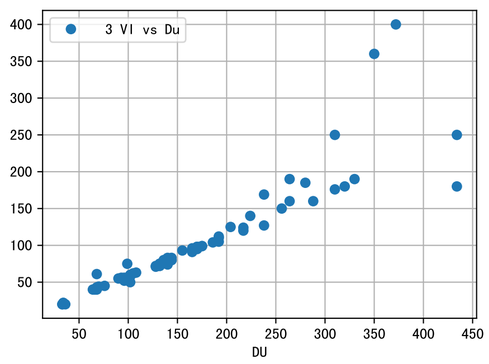

2 OIR
d

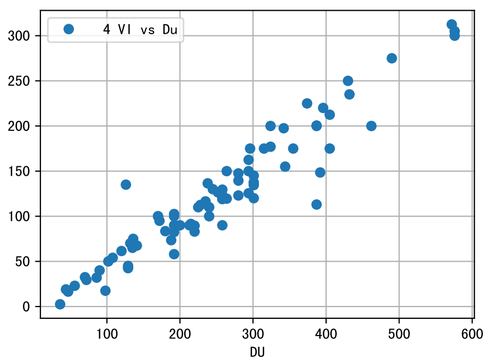

3 OIR
d

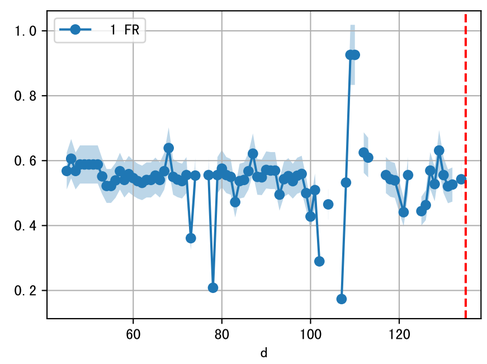

4 OIR
d

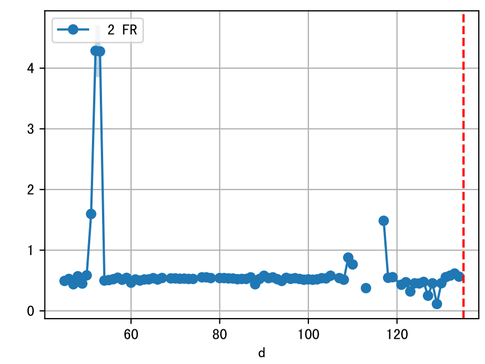

1 VI vs Du
DU

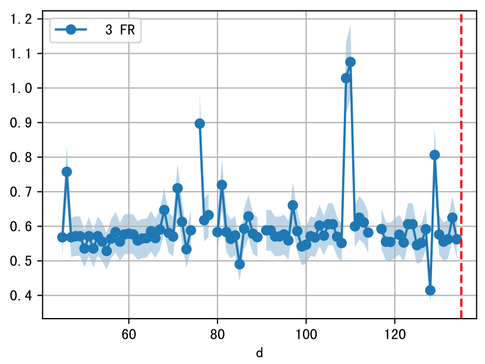

2 VI vs Du
DU

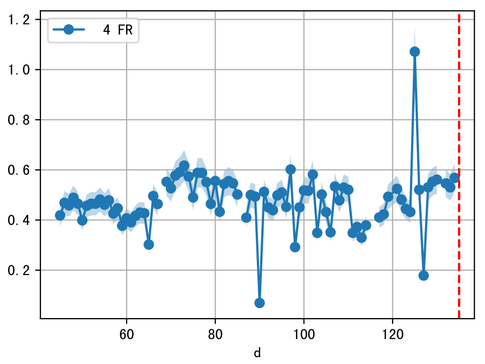

3 VI vs Du
DU

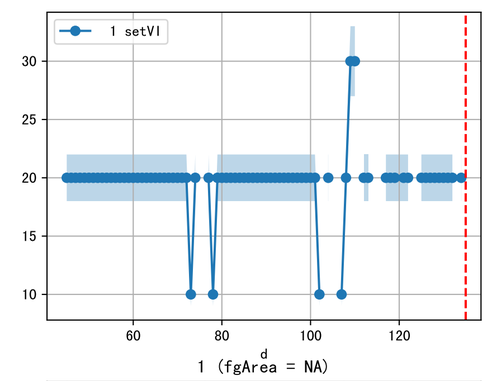

4 VI vs Du
DU

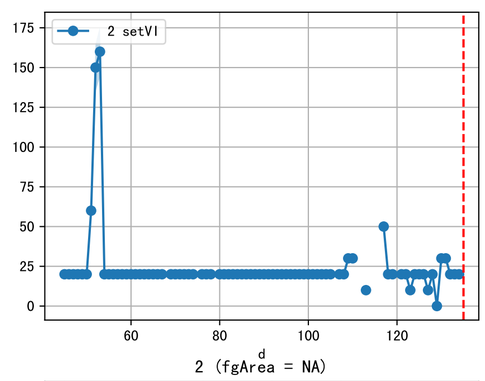

1 FR
d

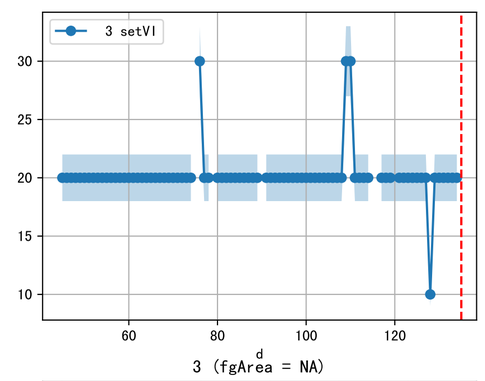

2 FR
d

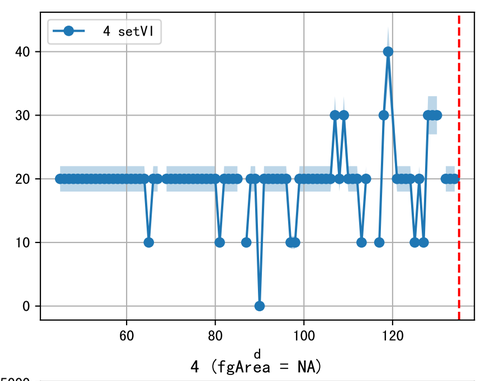

3 FR
d

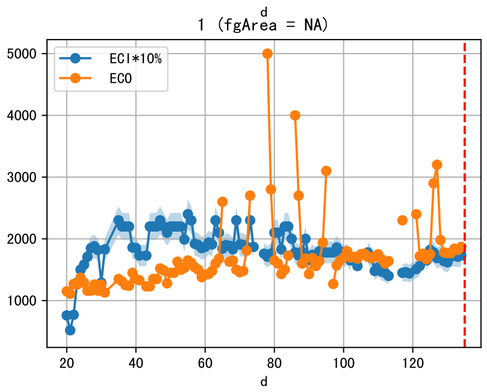

4 FR
d

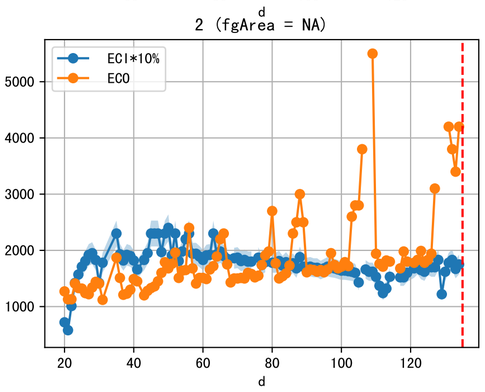

1 setVI
d

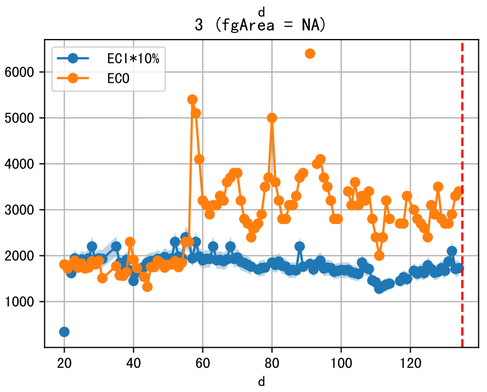

2 setVI
d

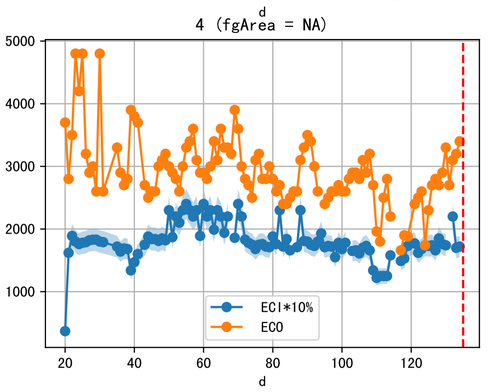

3 setVI
d

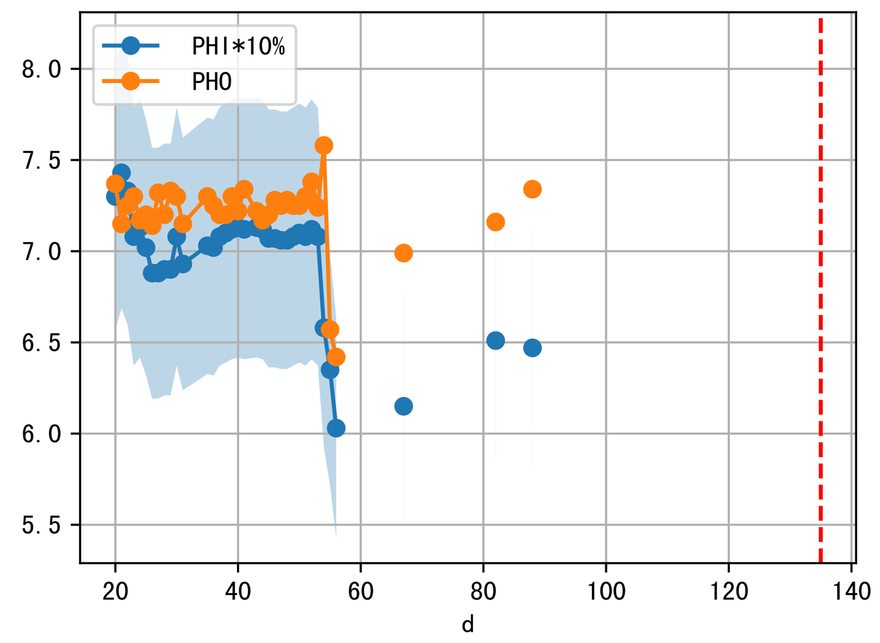

4 setVI
d

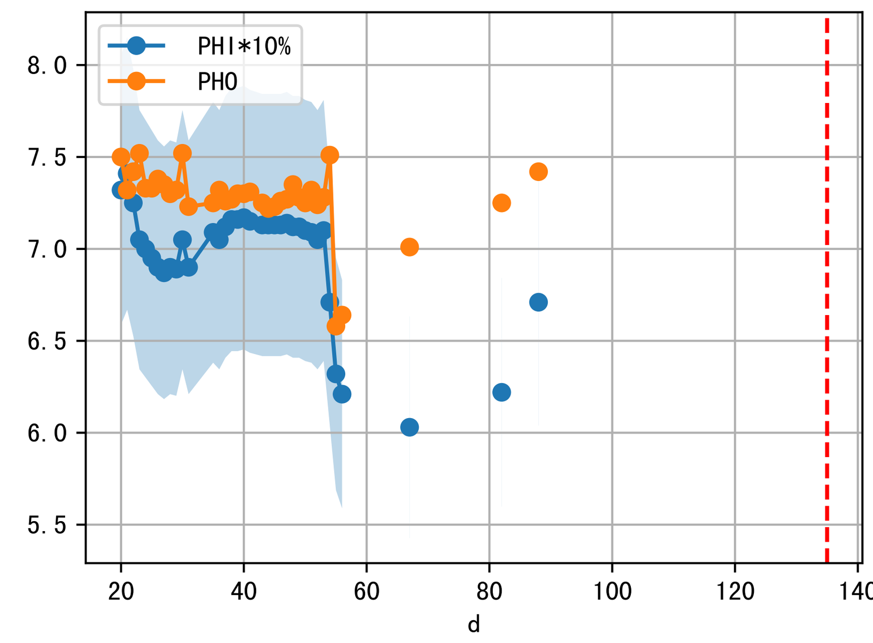

1 (fgArea = NA)
ECI*10%
ECO
d

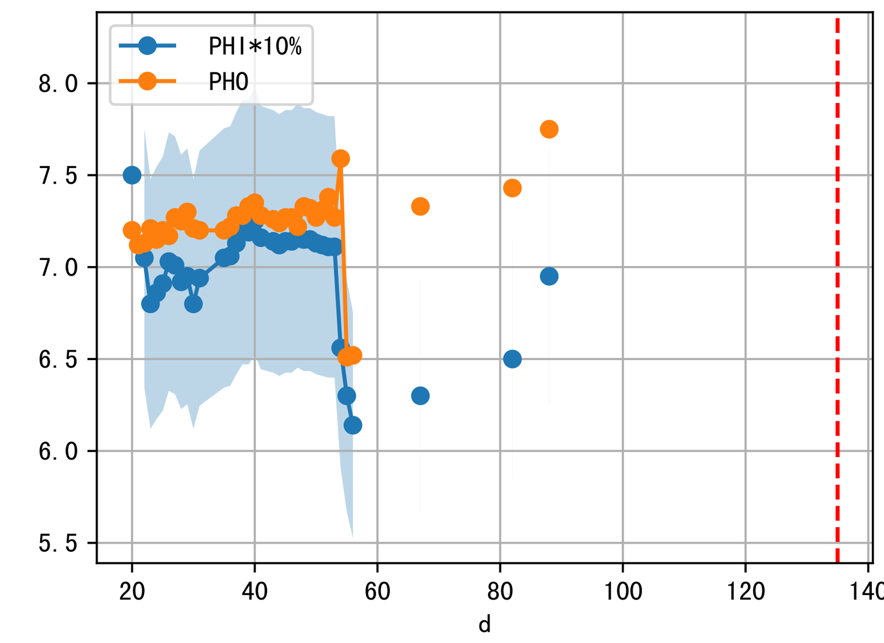

2 (fgArea = NA)
ECI*10%
ECO
d

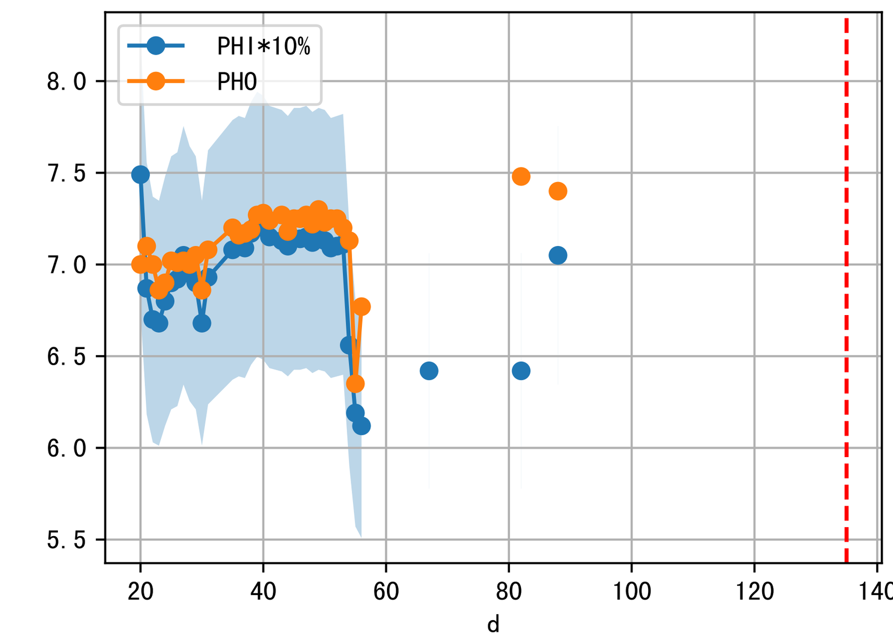

3 (fgArea = NA)
ECI*10%
ECO
d

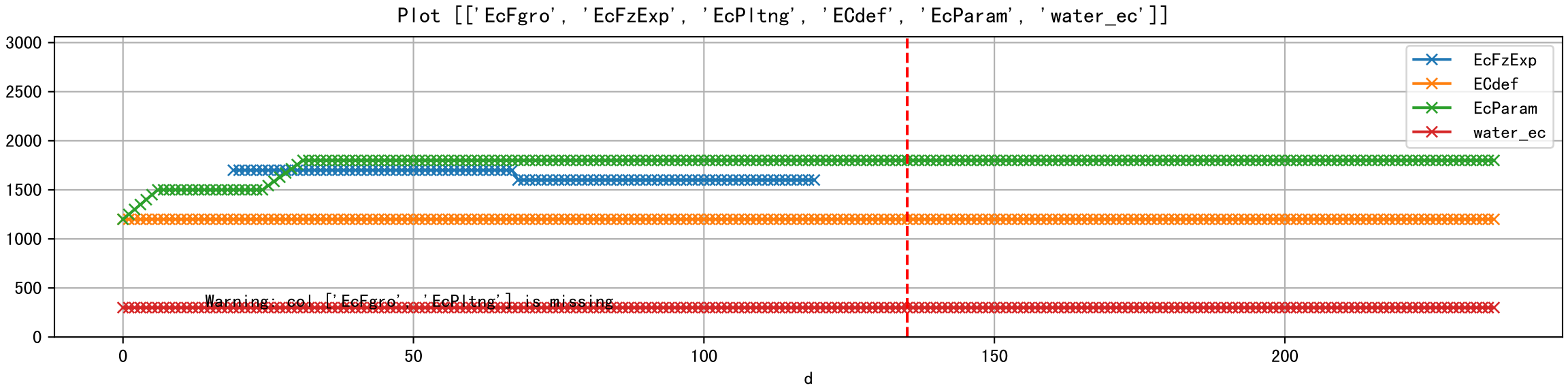

4 (fgArea = NA)
ECI*10%
ECO
d

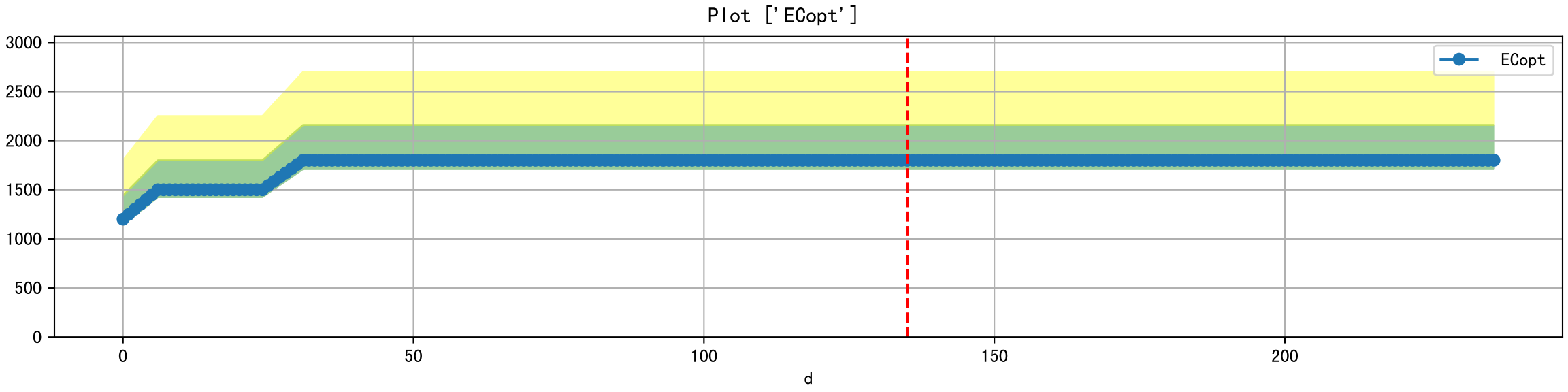

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

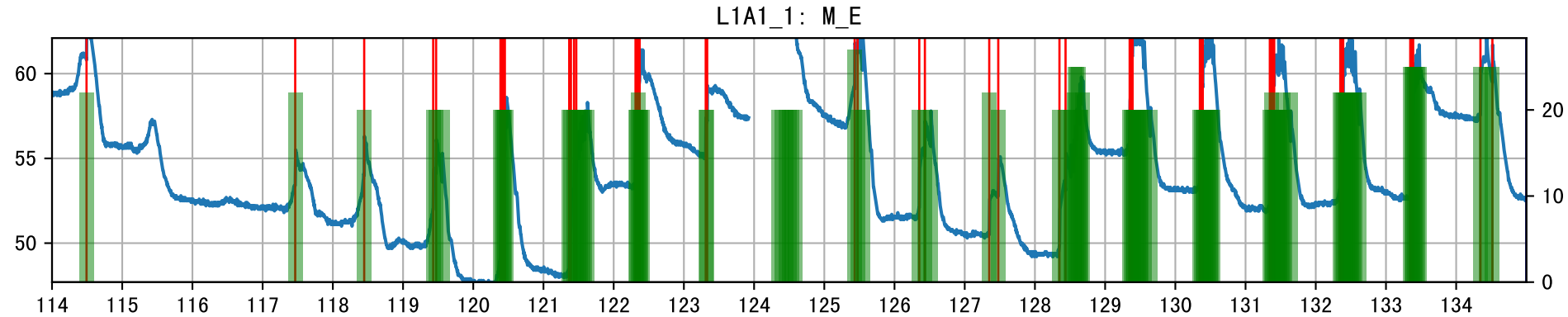

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d


PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

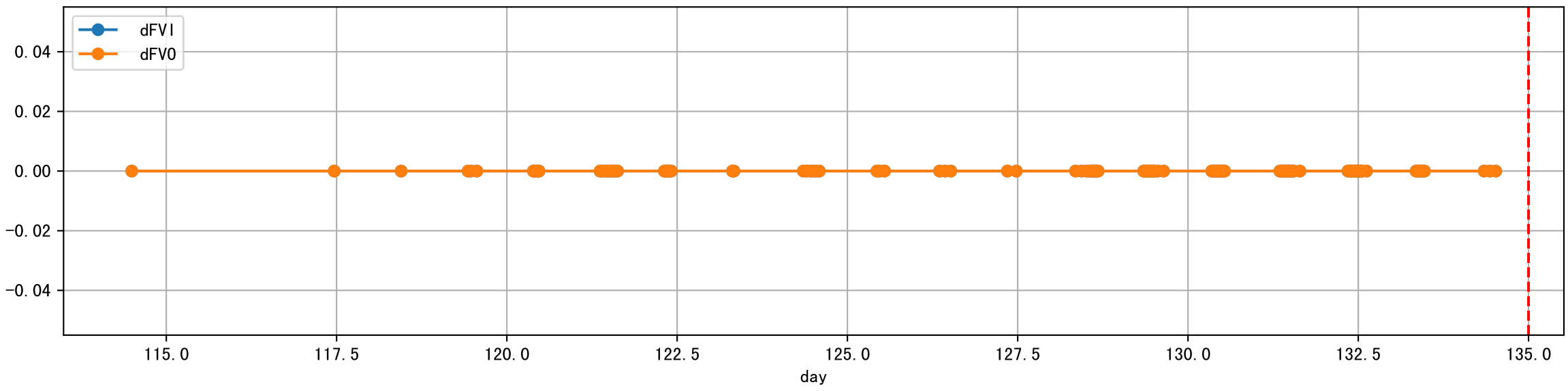

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

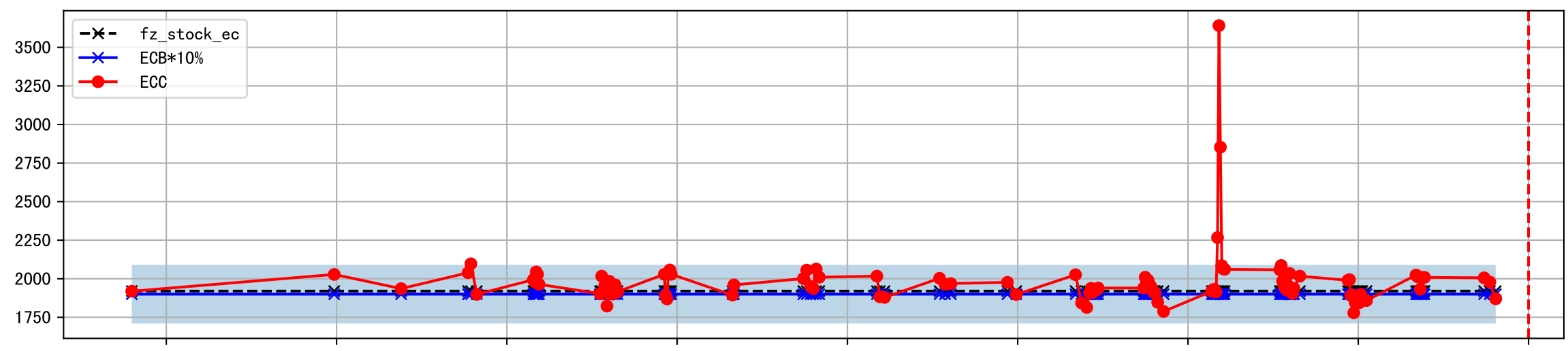

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
Warning: col ['EcFgro', 'EcPltng'] is missing
EcFzExp
ECdef
EcParam
water_ec
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

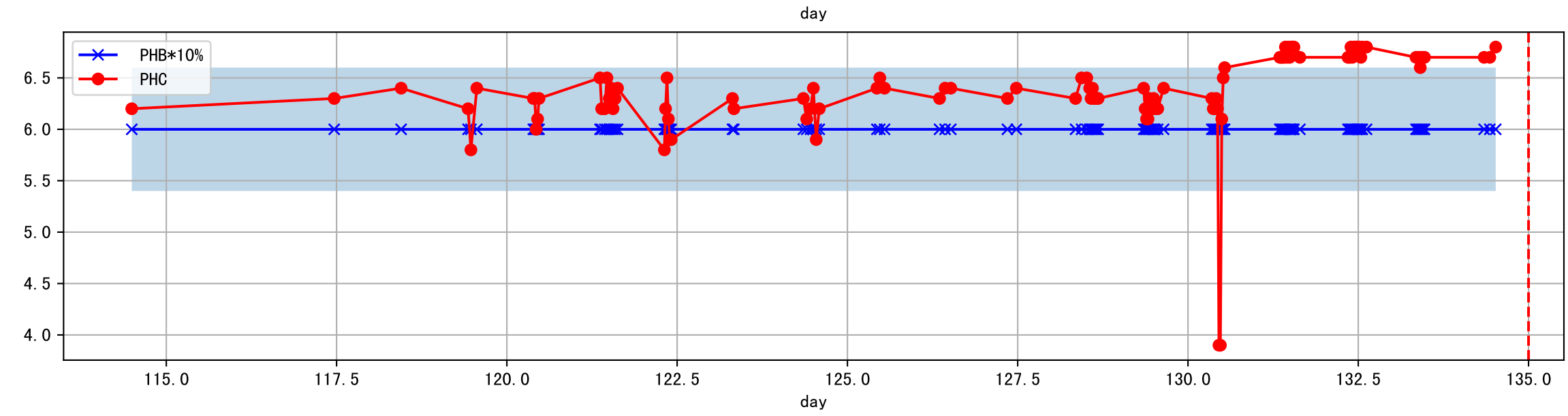

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

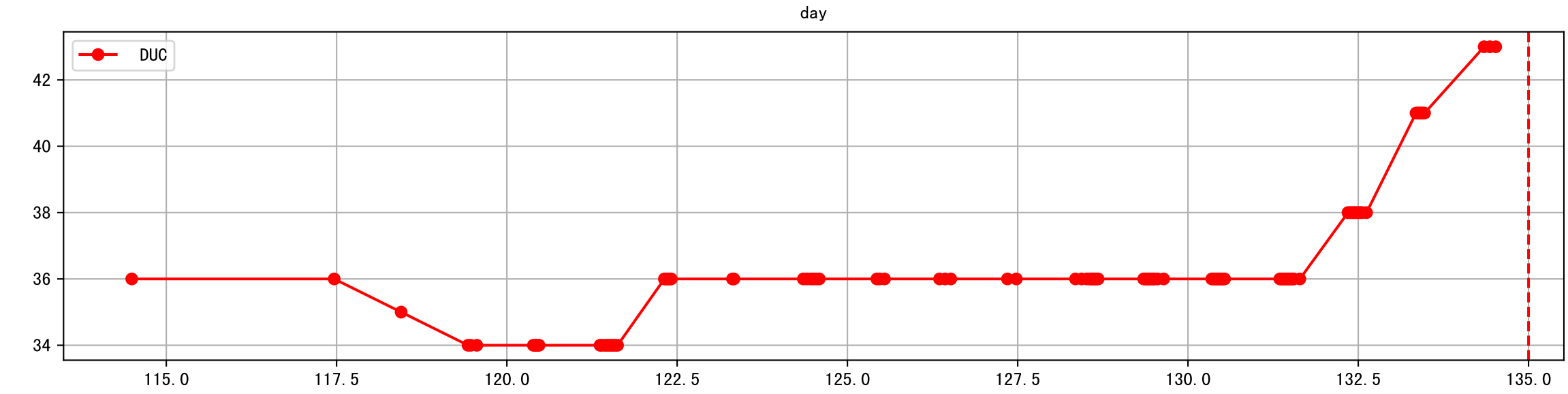

L1A1_1: M_E
60
55
50
20
10
0
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134

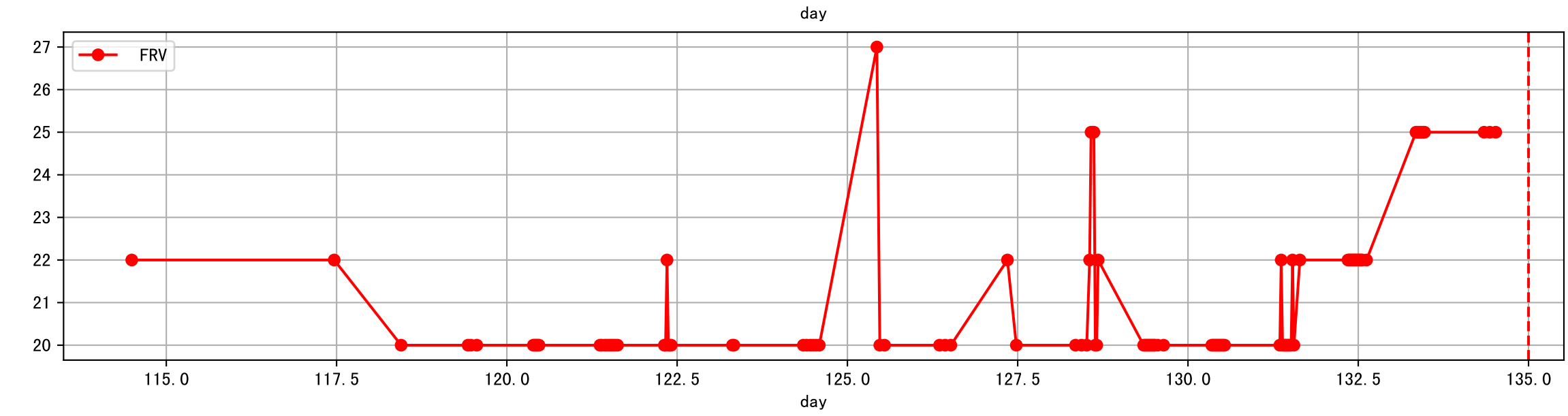
Plot Sensor and FgRec Data

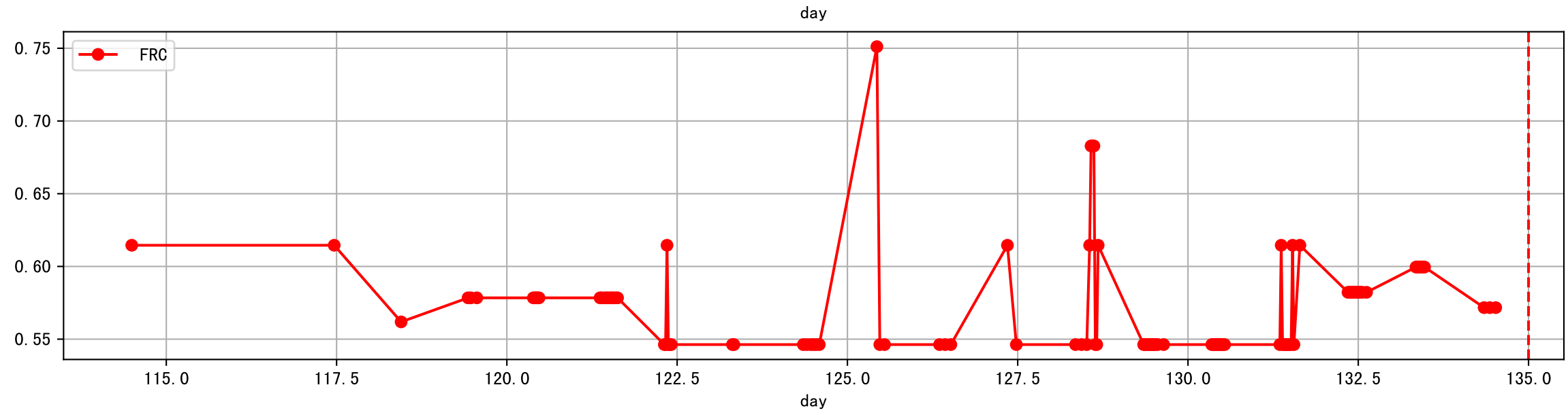


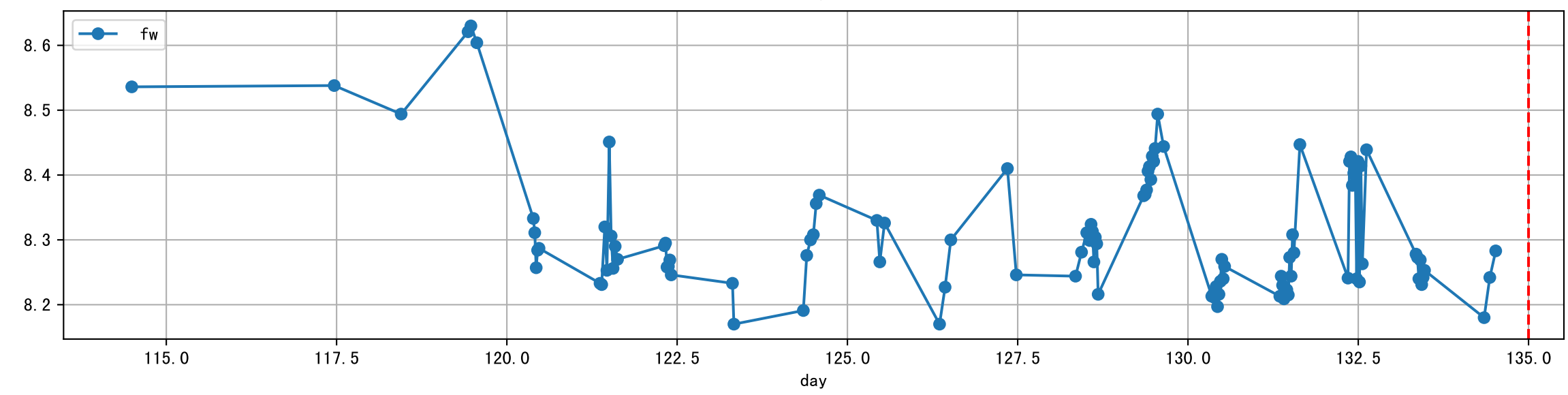


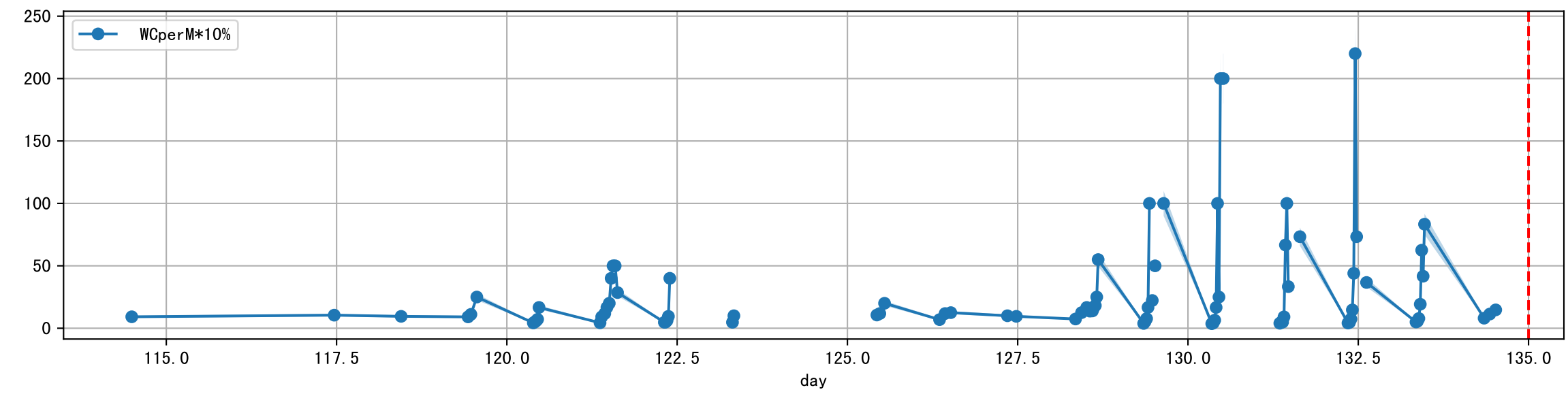


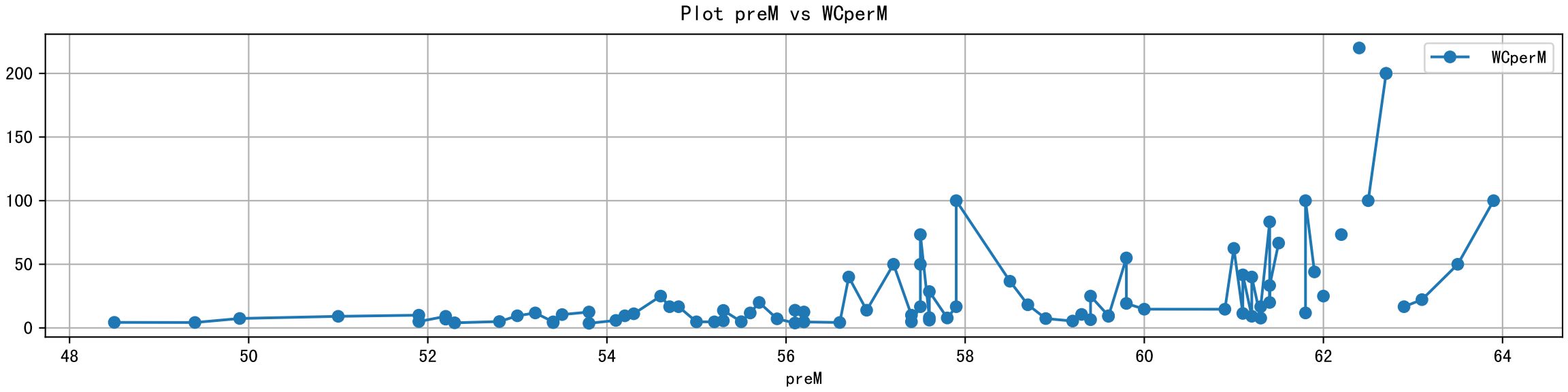


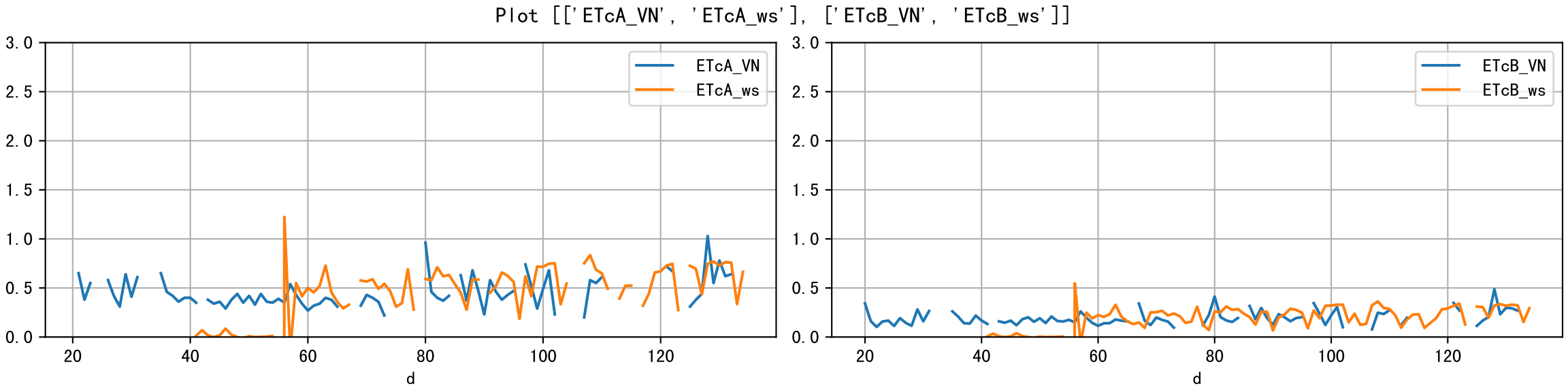


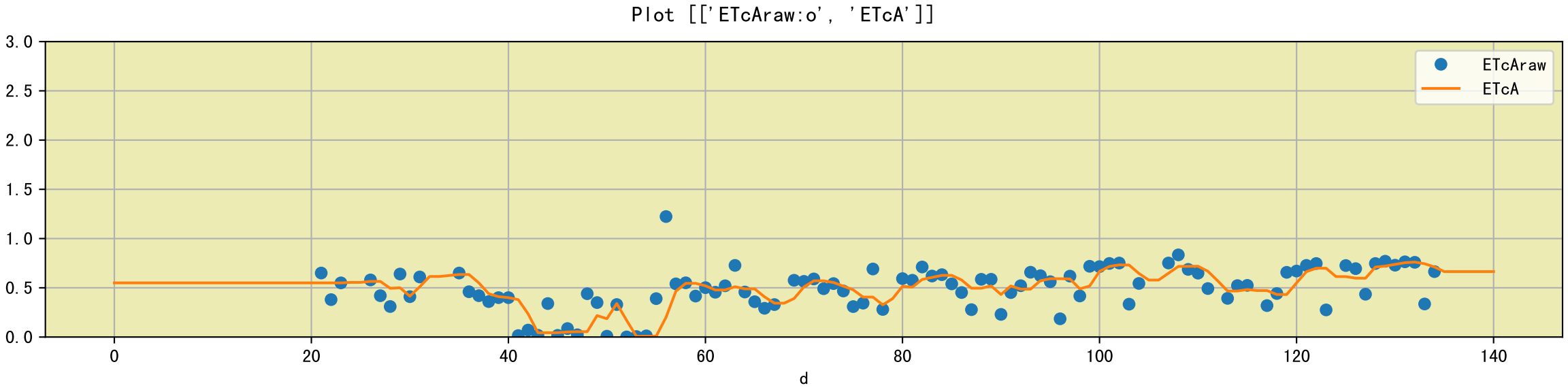


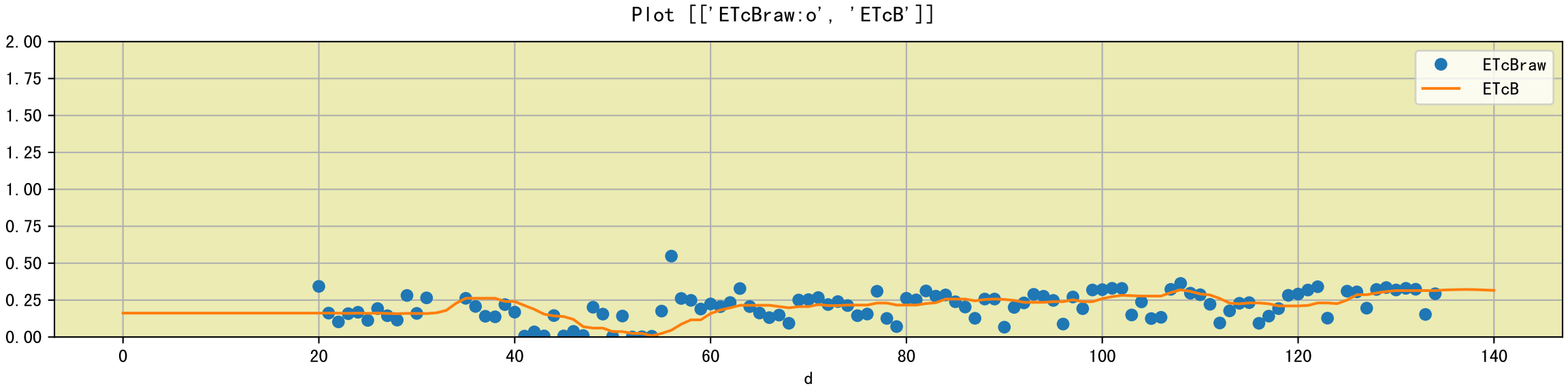




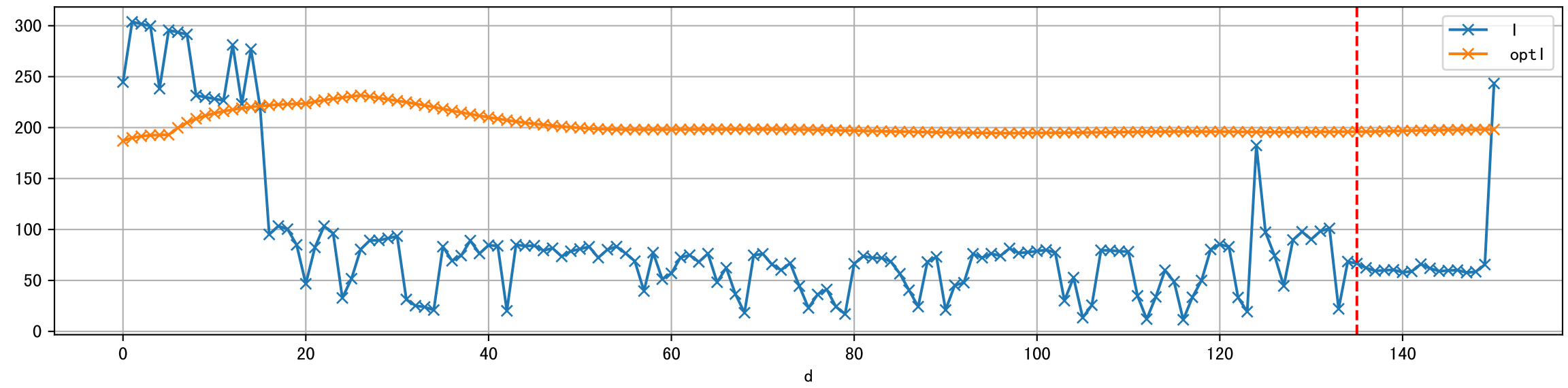

Plot preM vs WCperM
WCperM
200
150
100
50
0
48
50
52
54
56
58
60
62
64
preM

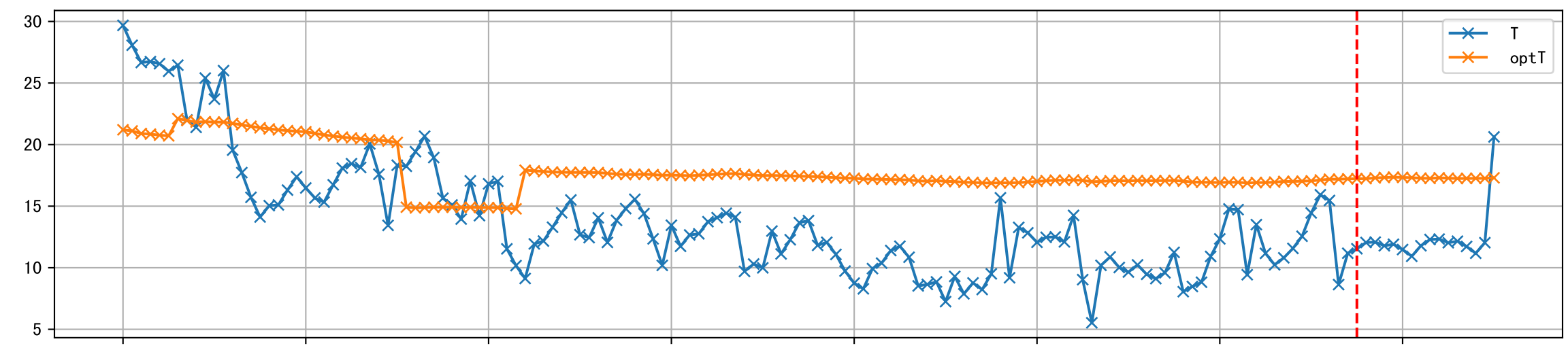

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
d

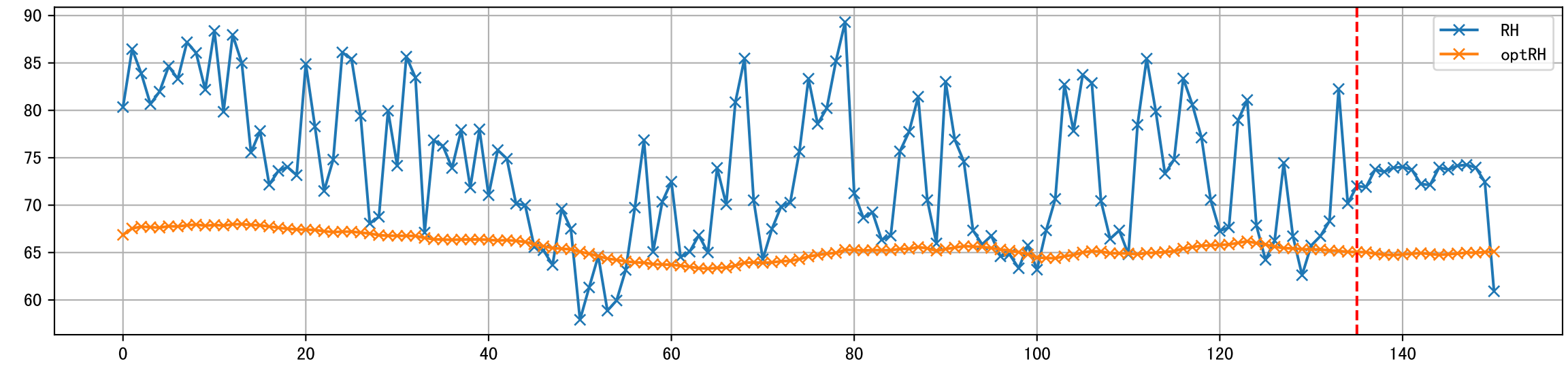

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

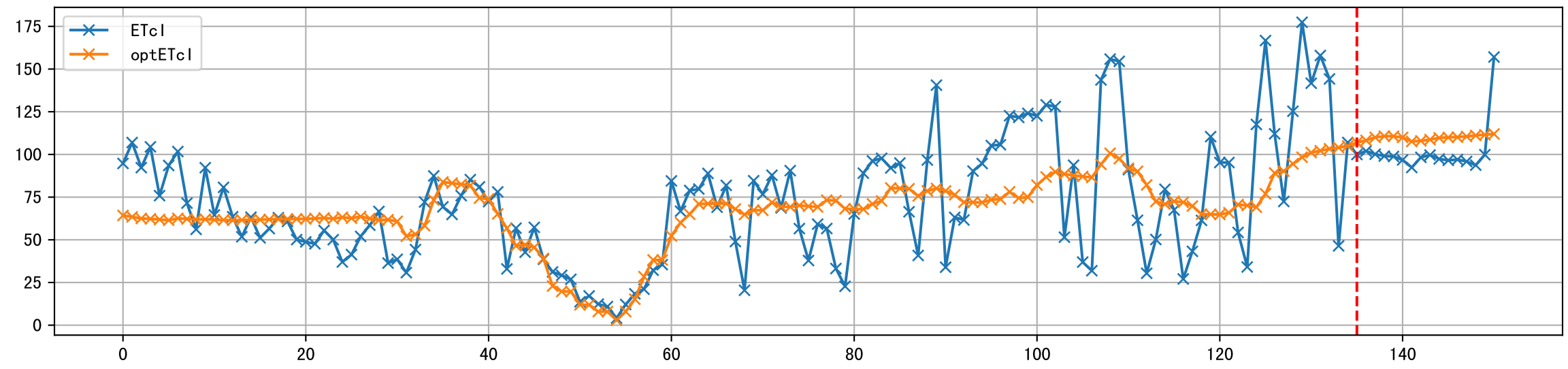

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

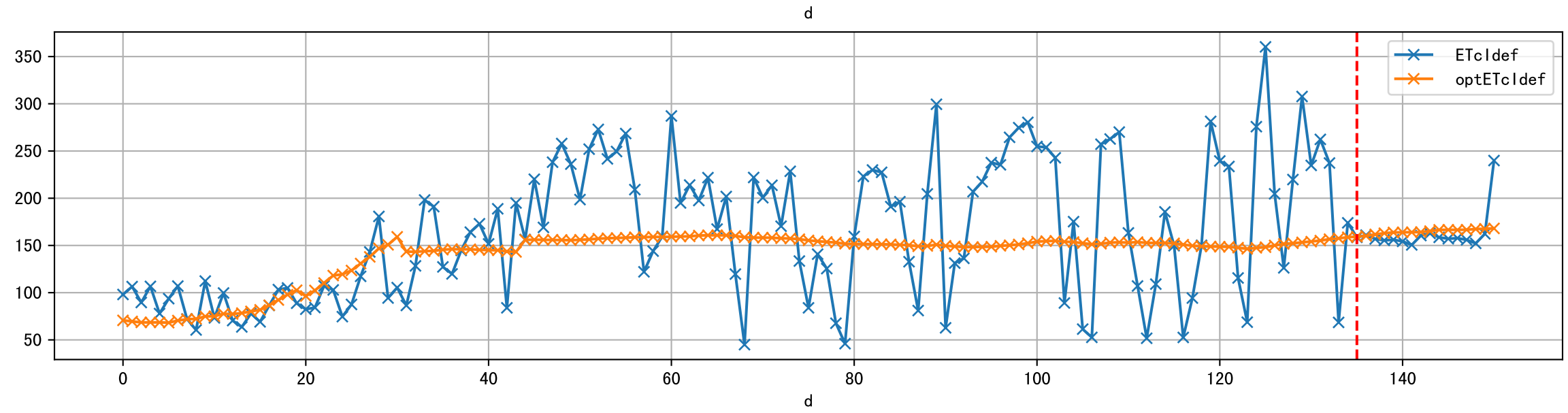
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

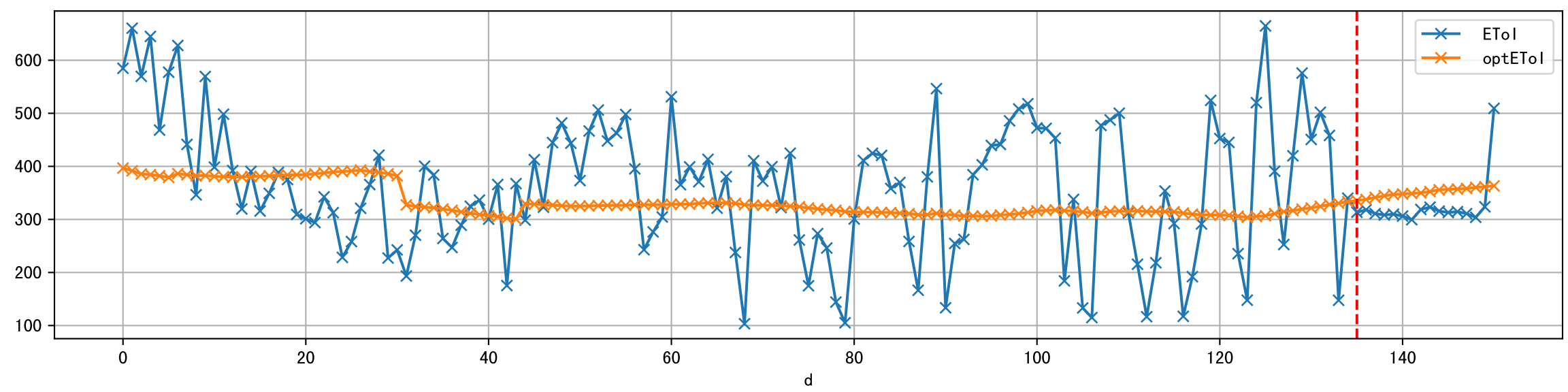


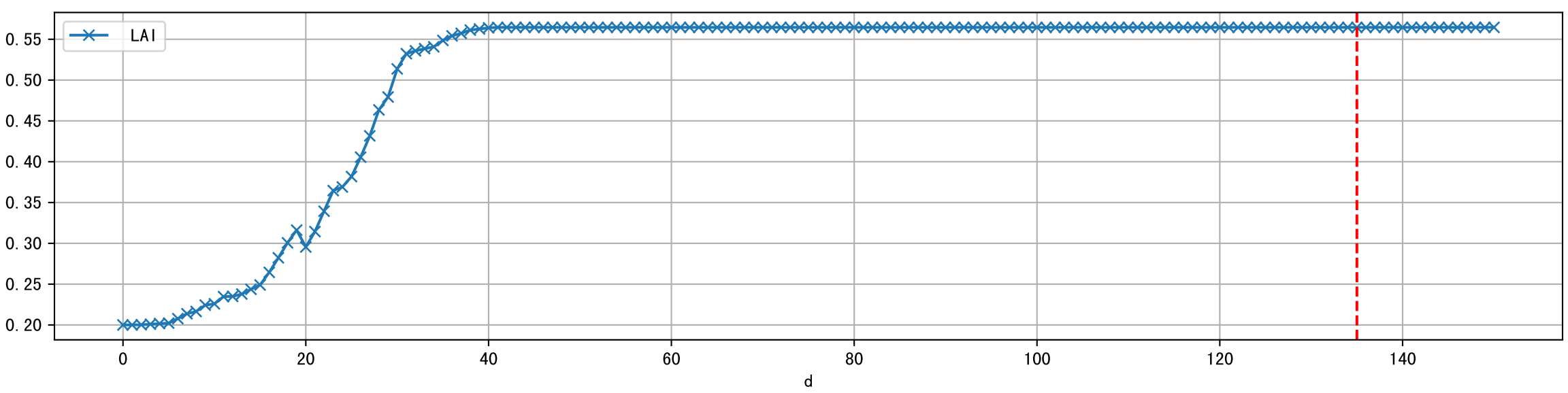


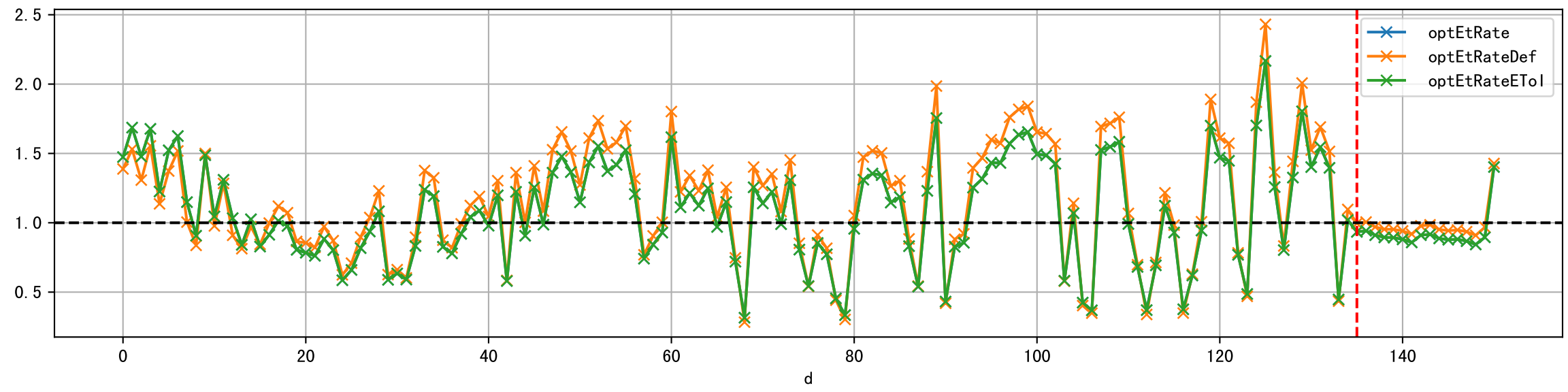


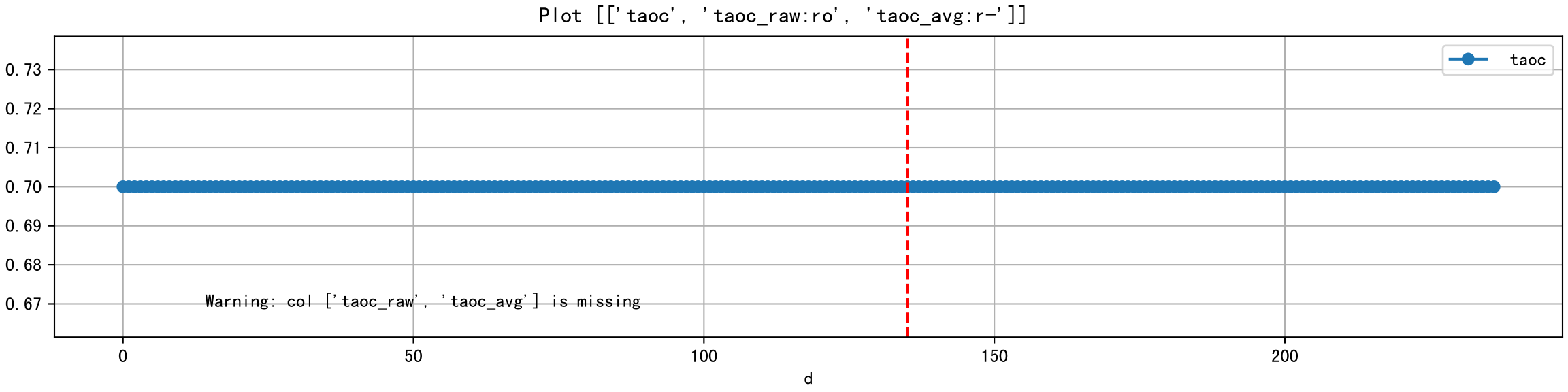


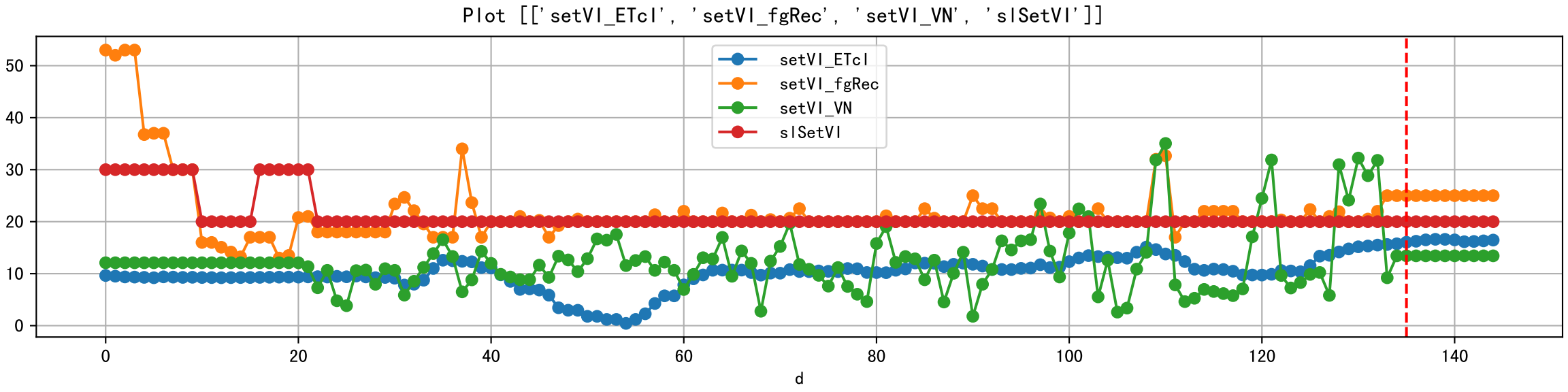


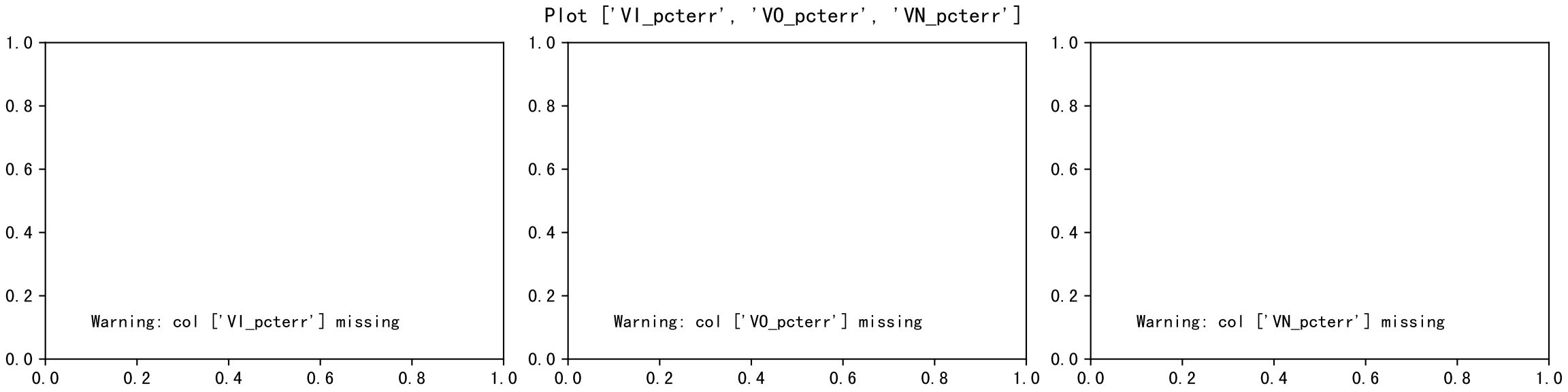


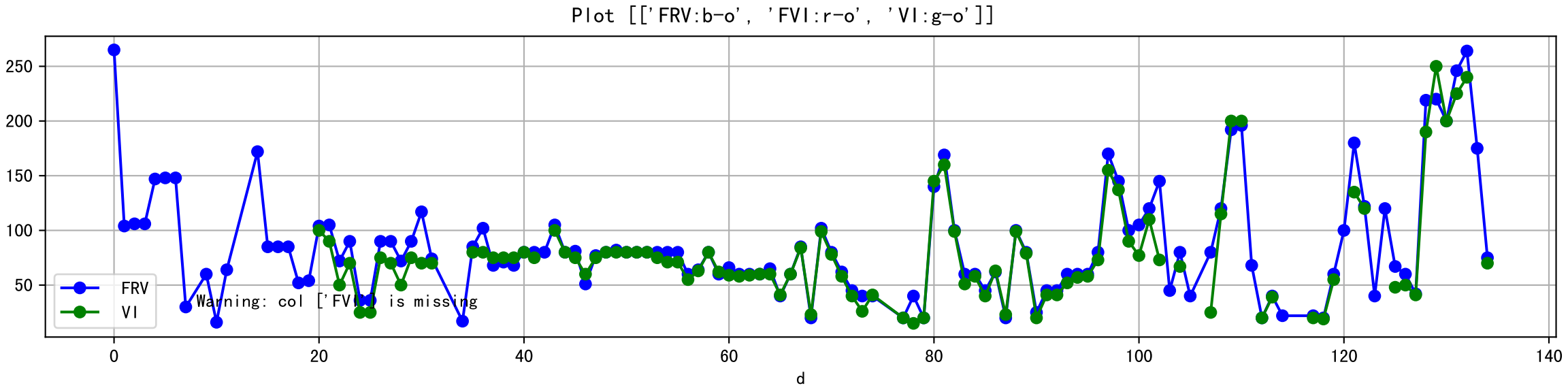


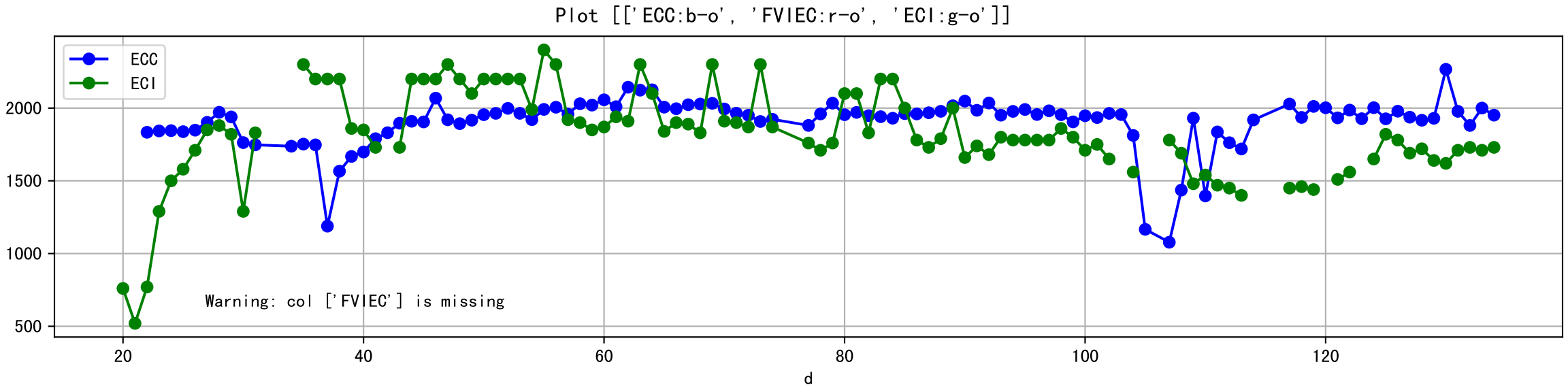


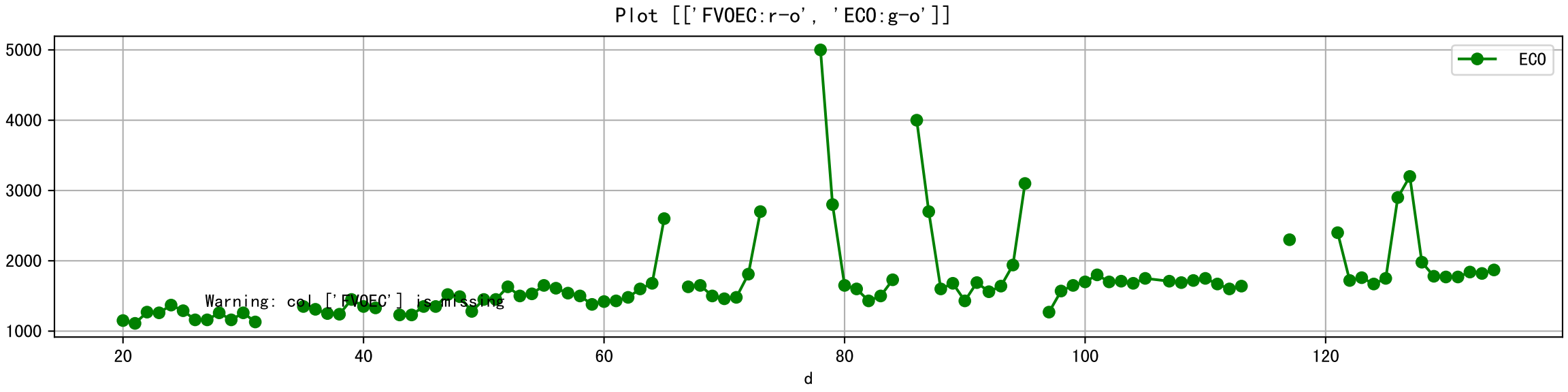

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

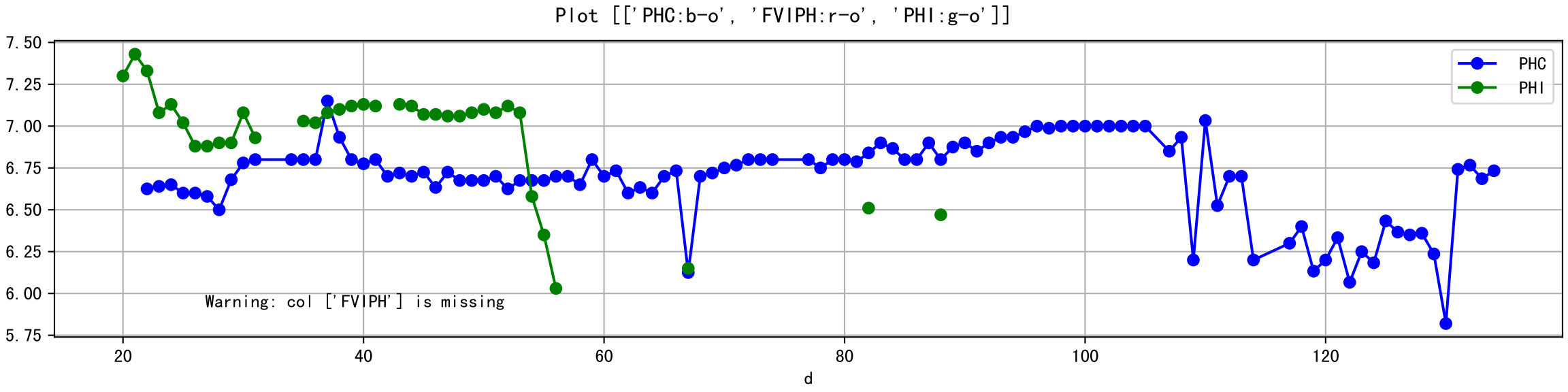

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
d

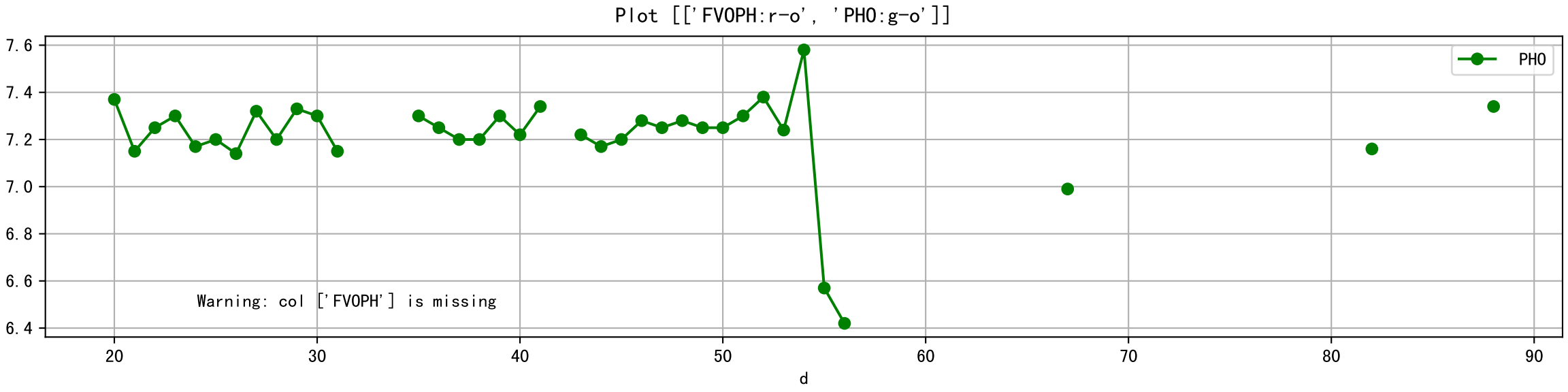

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

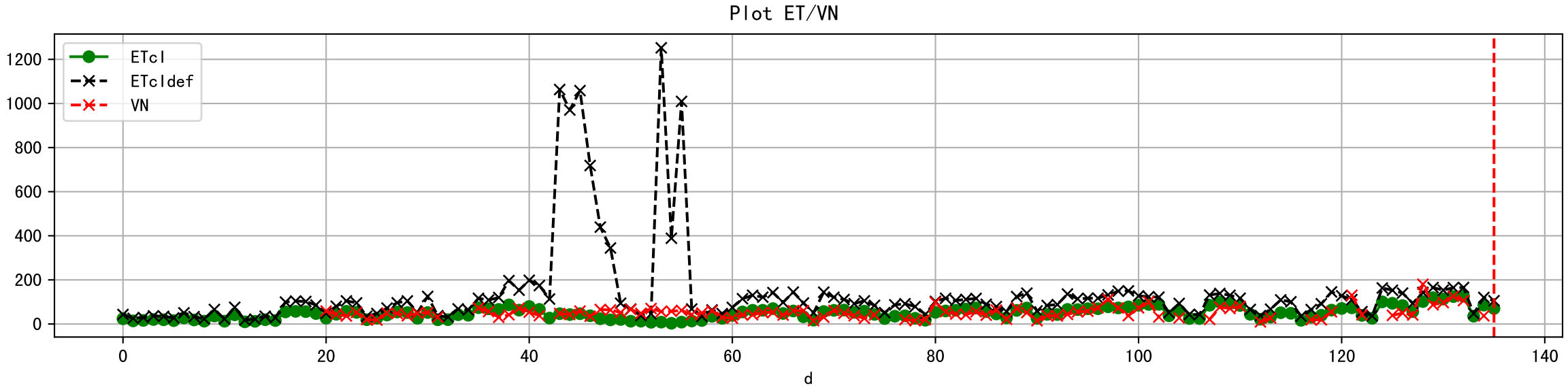

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
d


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

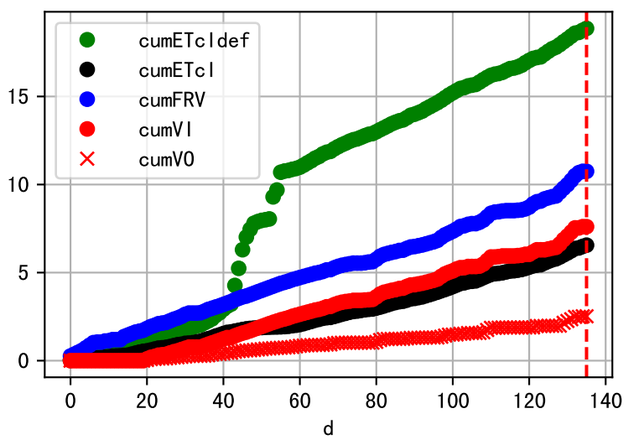

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
120
d

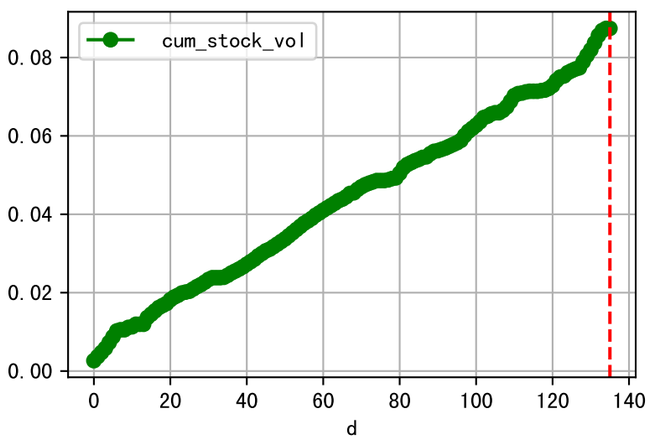

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.75
20
40
60
80
100
120
d
PHC
PHI
Warning: col ['FVIPH'] is missing

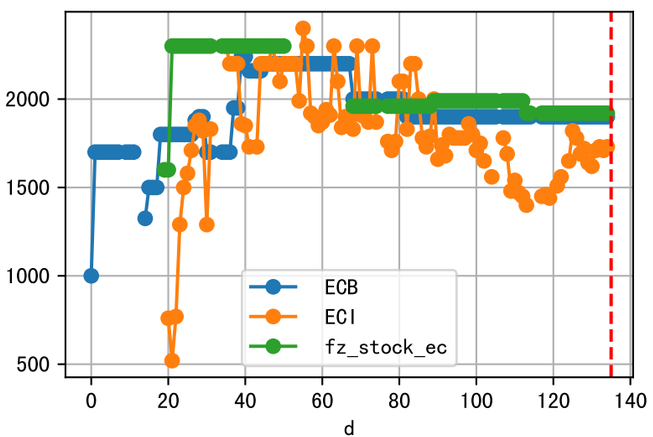

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

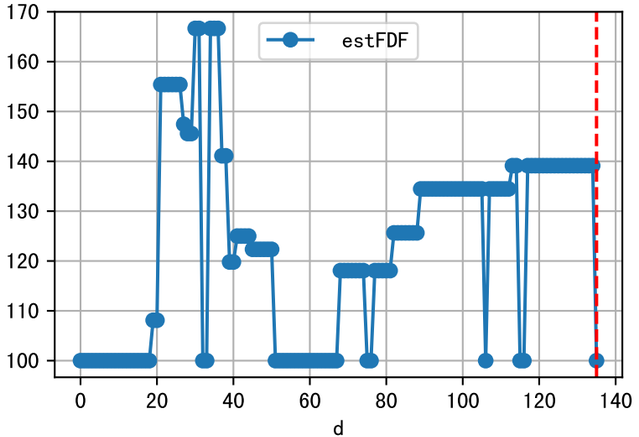

Plot ET/VN
ETcl
ETcldef
VN
1200
1000
800
600
400
200
0
0
20
40
60
80
100
120
140
d

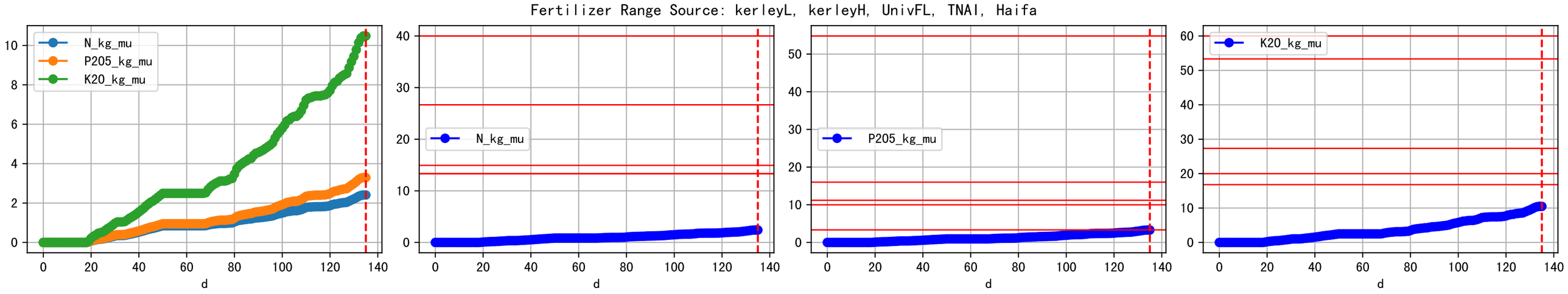
Plot Fv and fertilizer usage

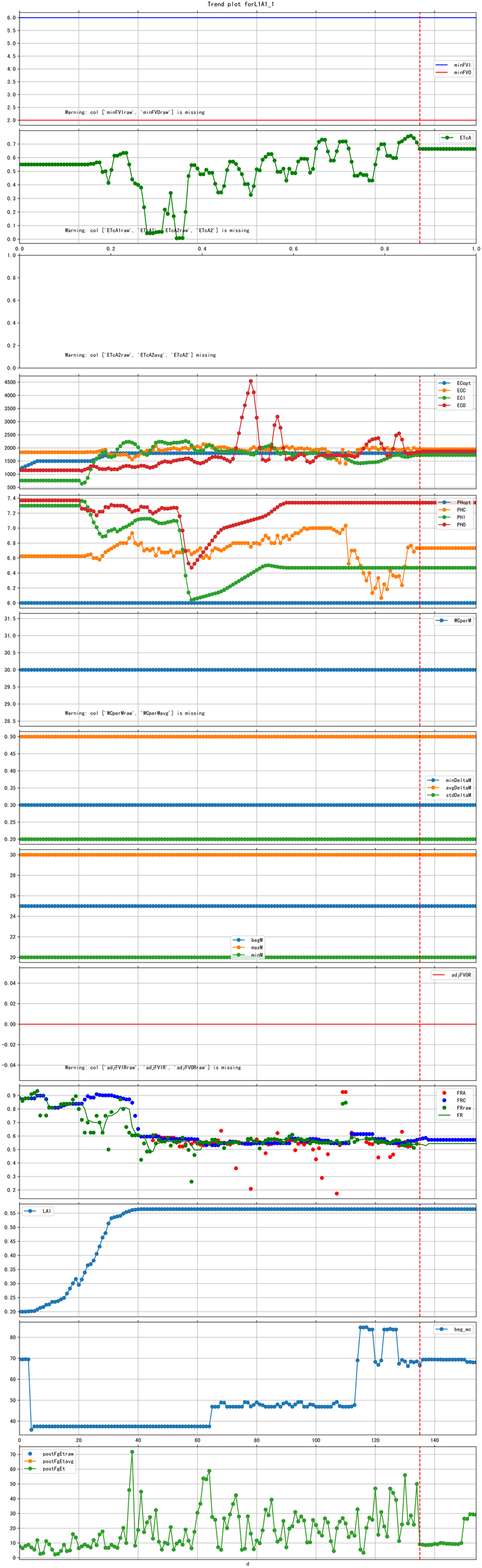


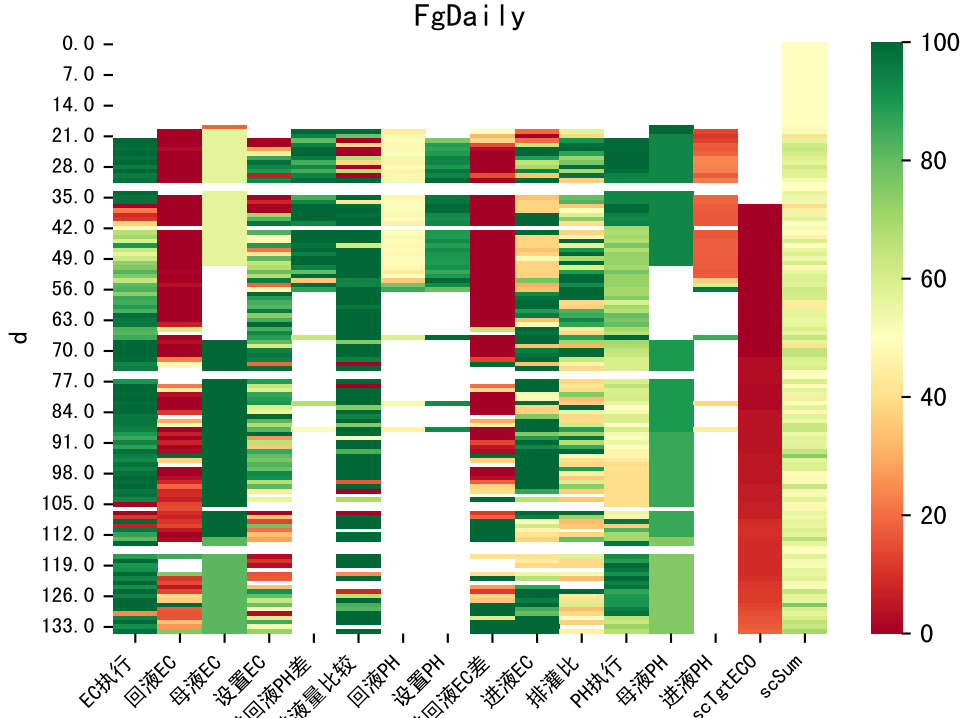




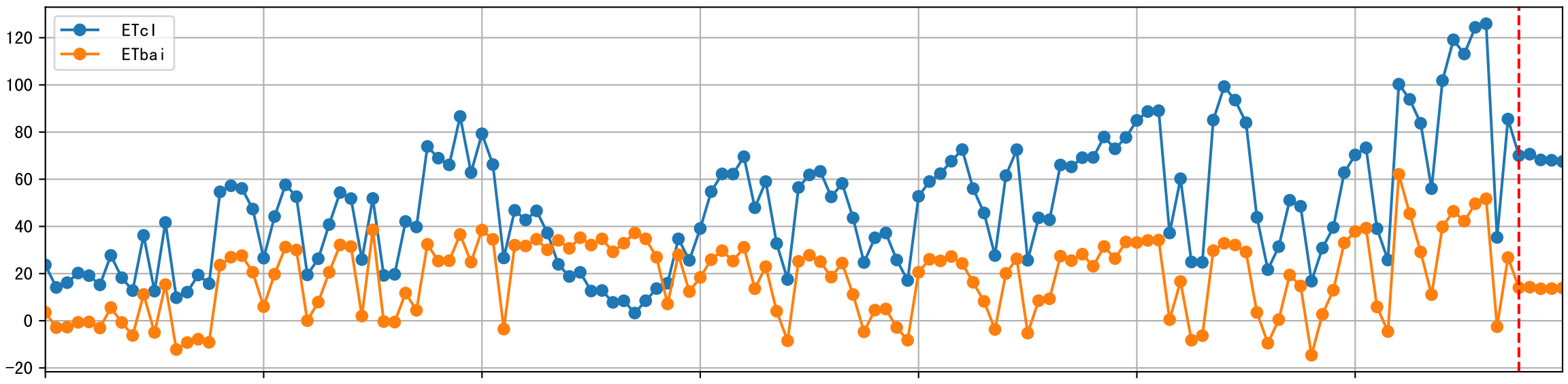


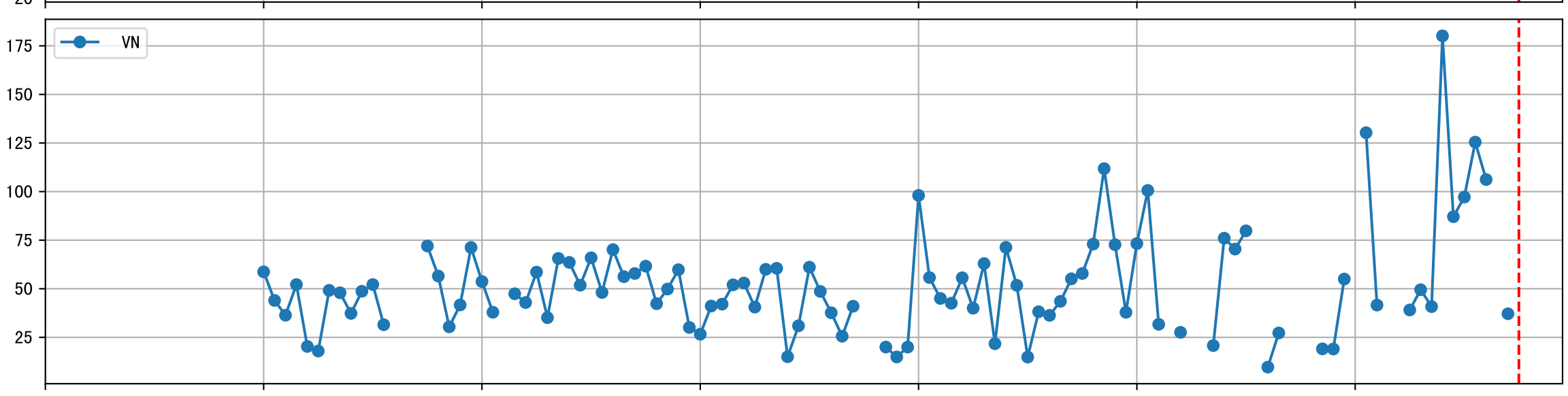

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

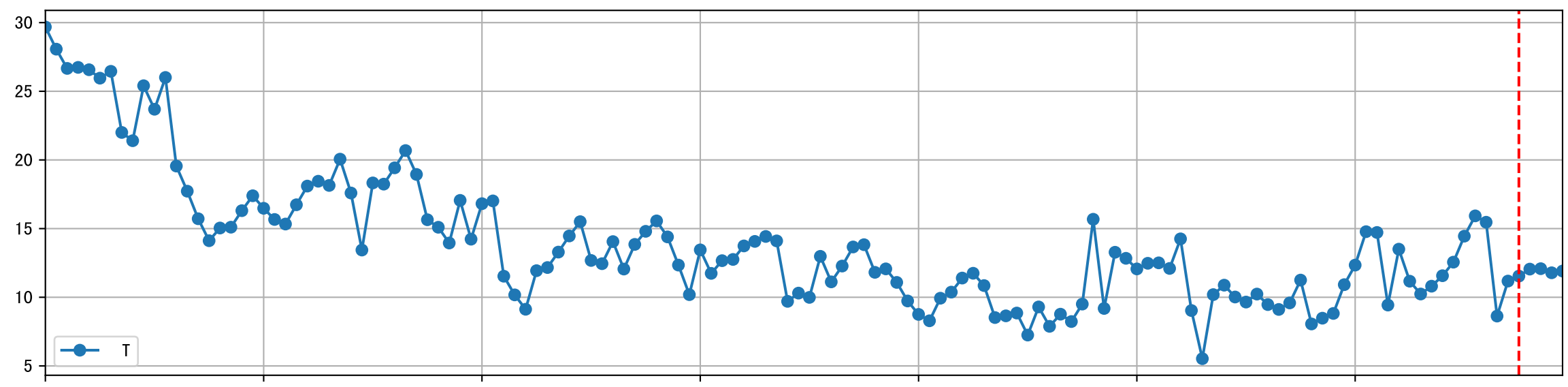

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is 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

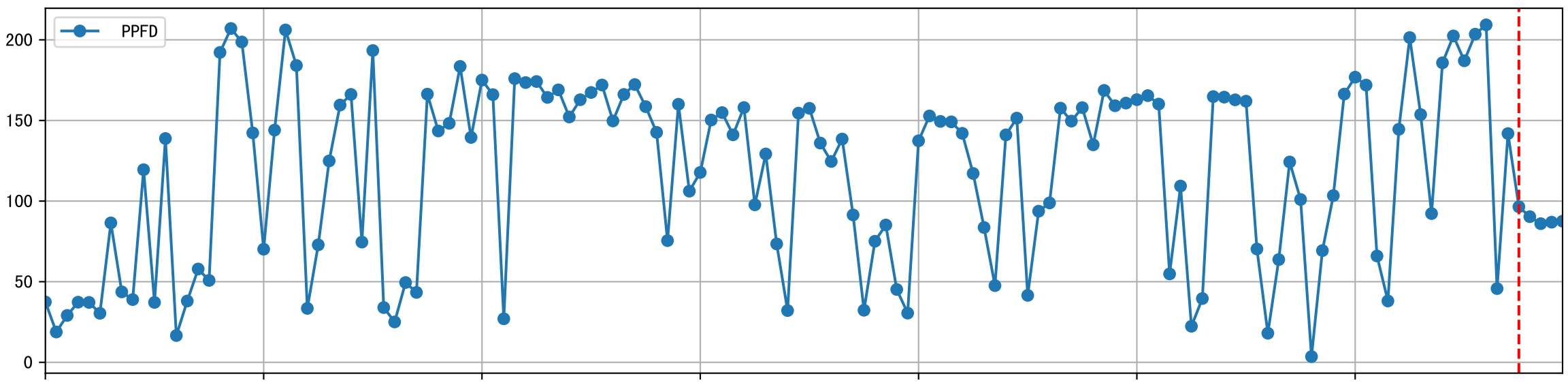

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
100
80
60
40
20
0
EC执行
回液EC
母液EC
设置EC
回液PH差
液量比较
回液PH
设置PH
回液EC差
进液EC
排灌比
PH执行
母液PH
进液PH
scTgtEC0
scSum

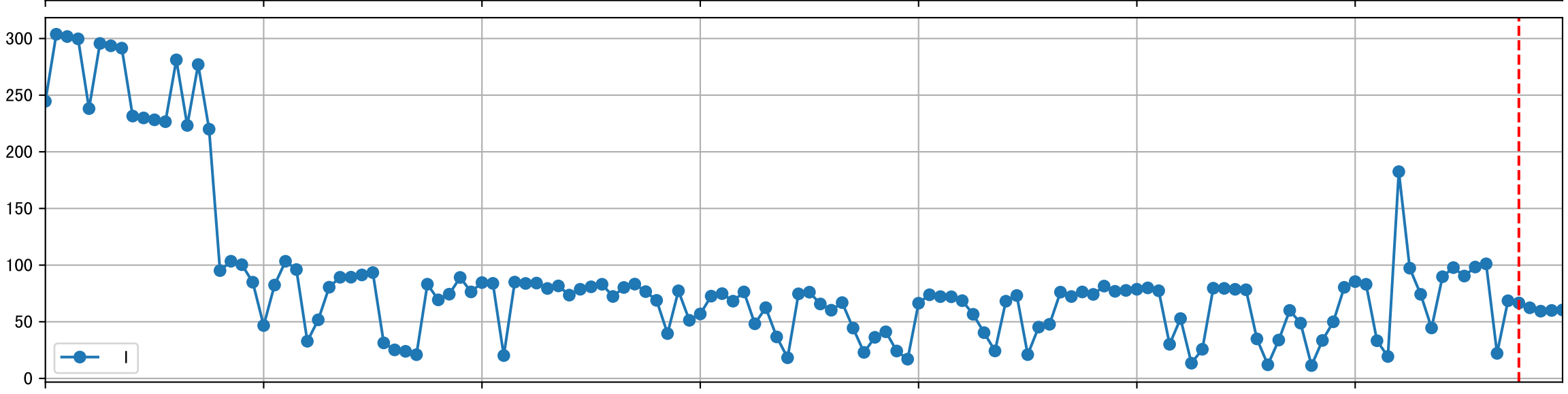
L1A1_1

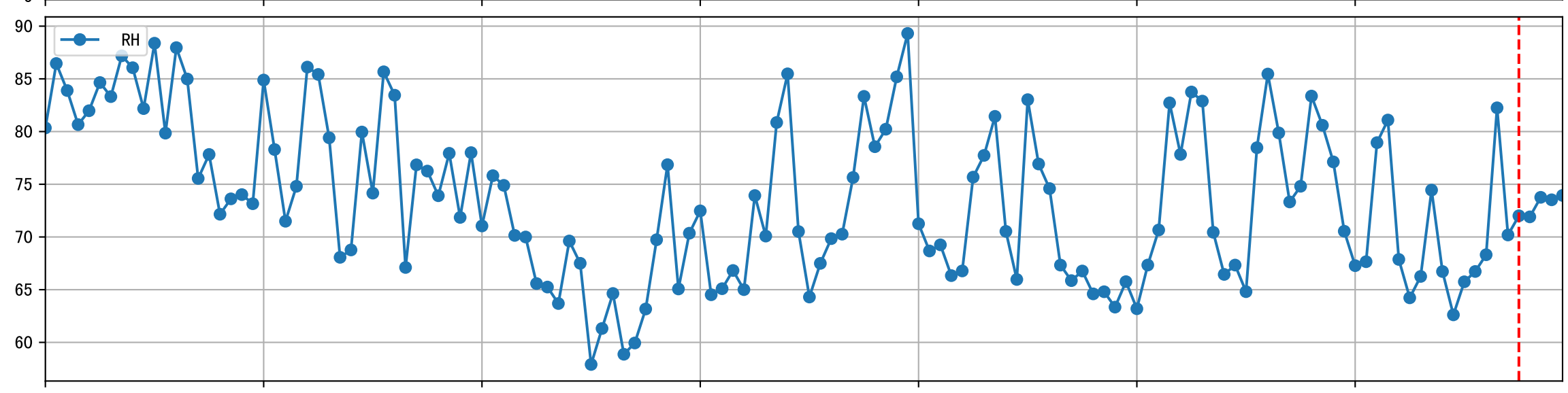


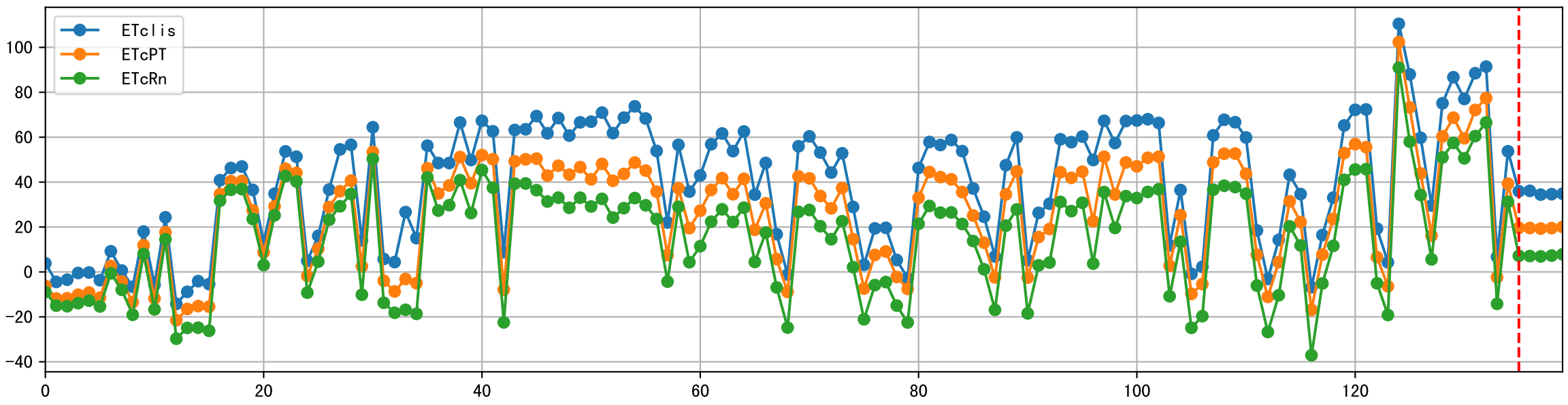


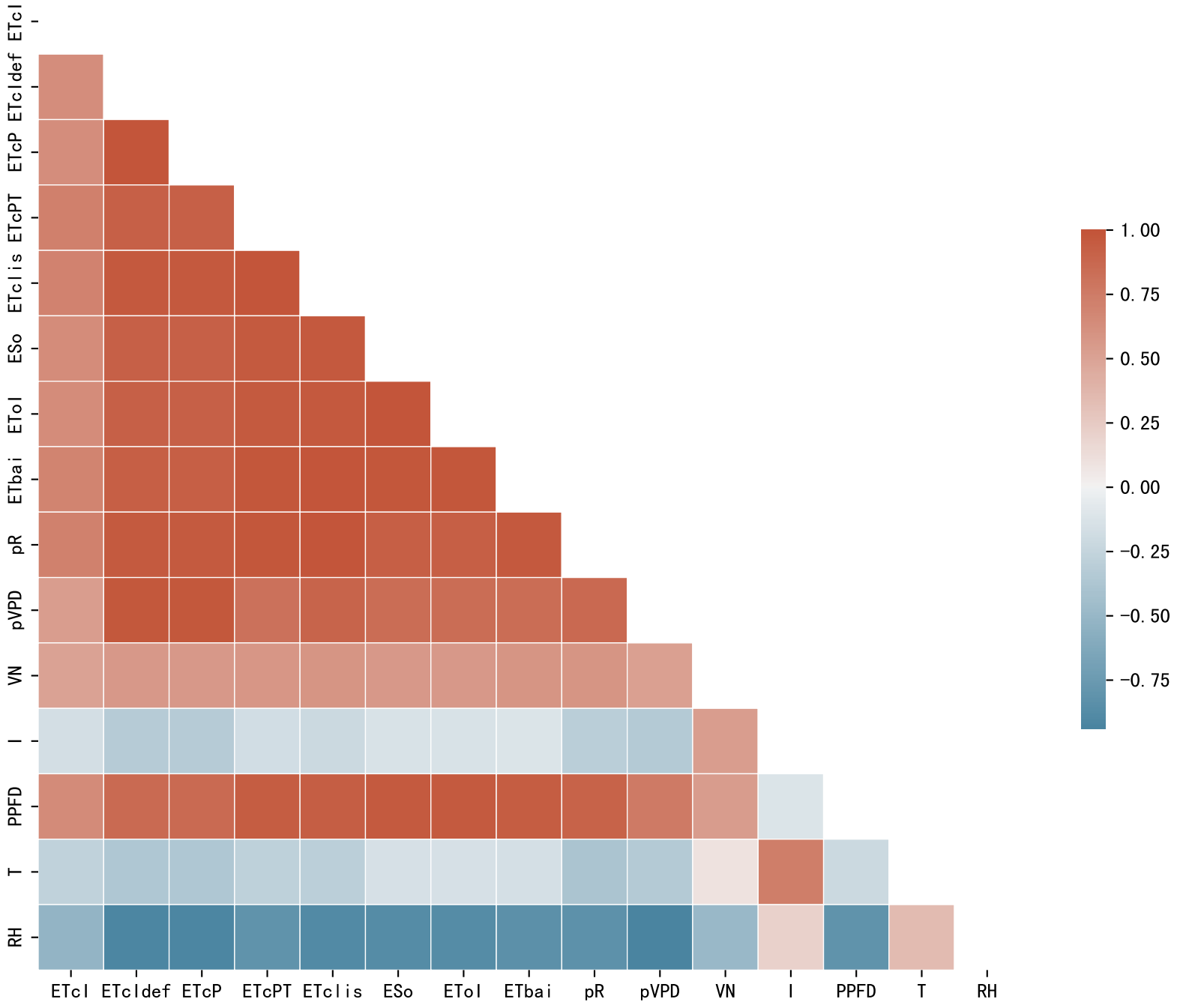


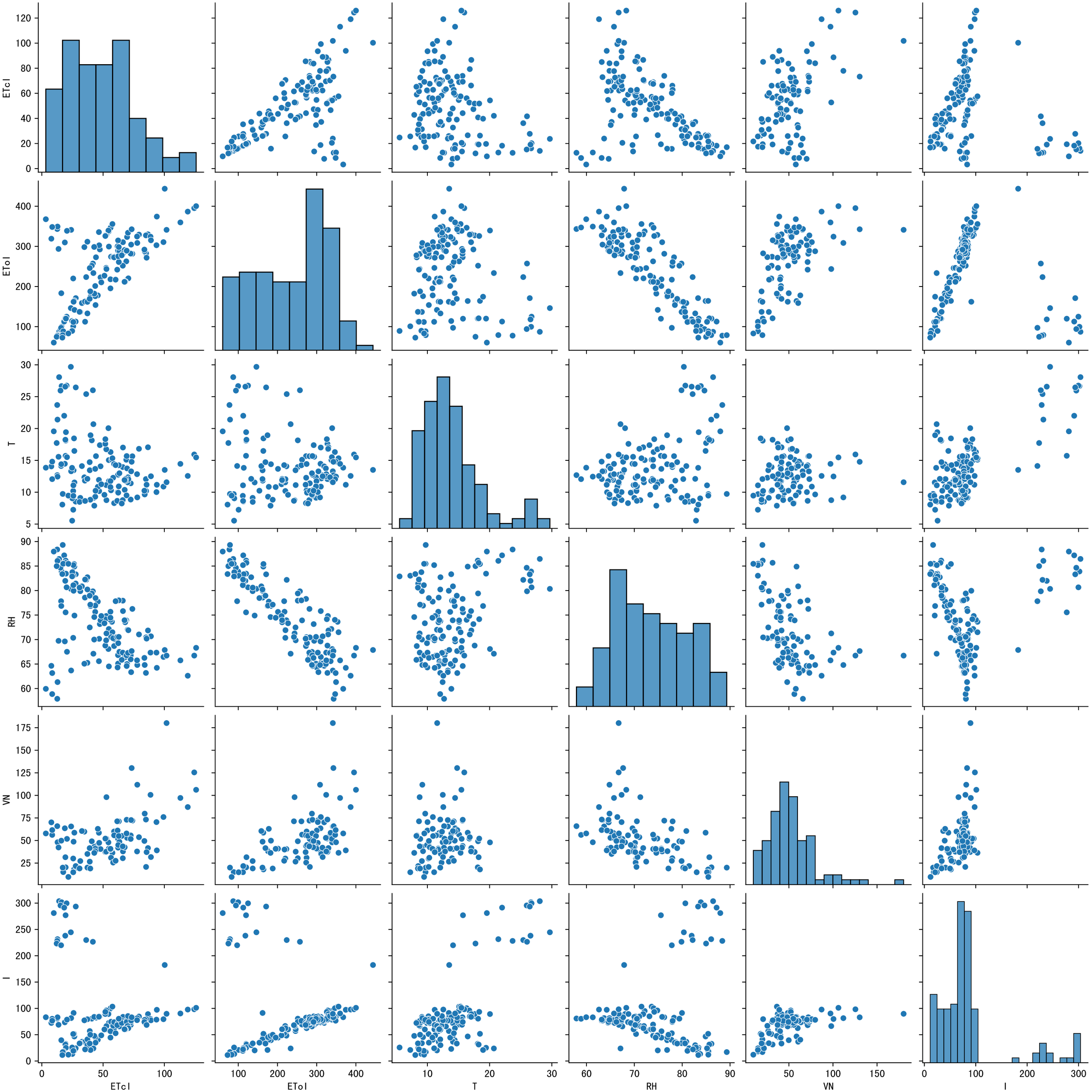


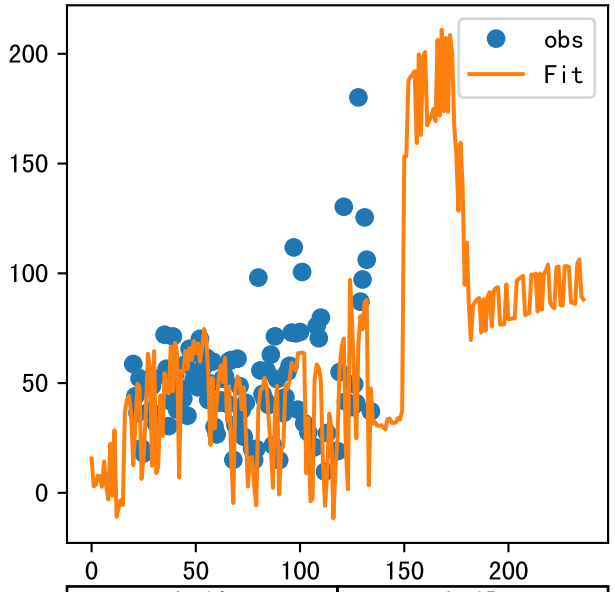


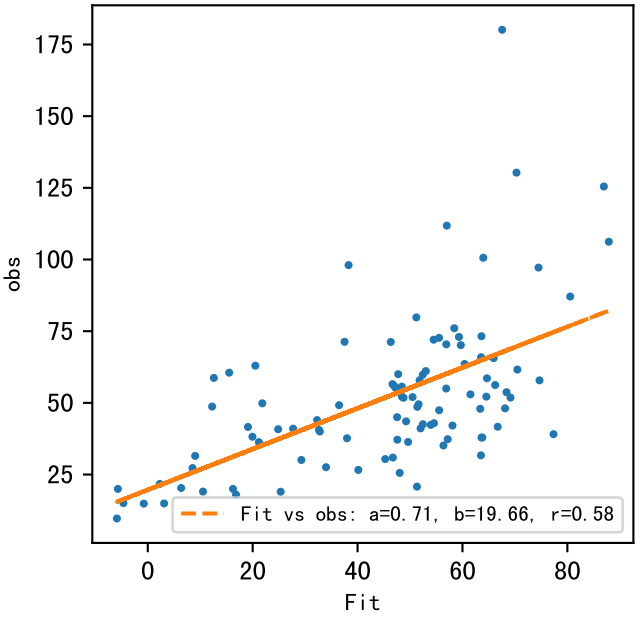




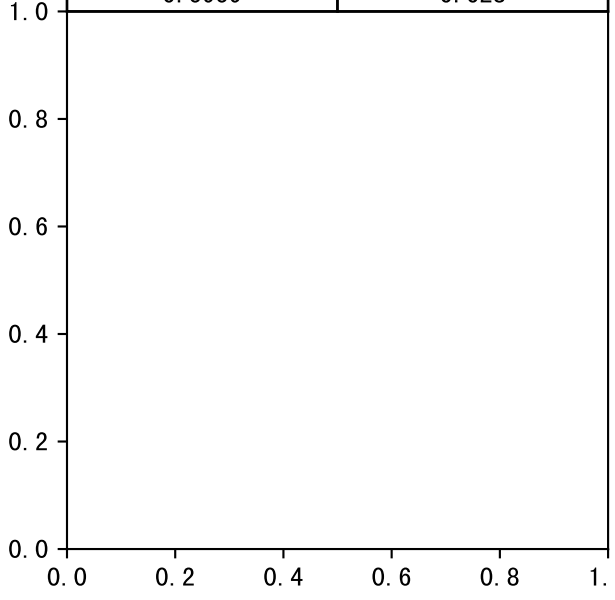

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

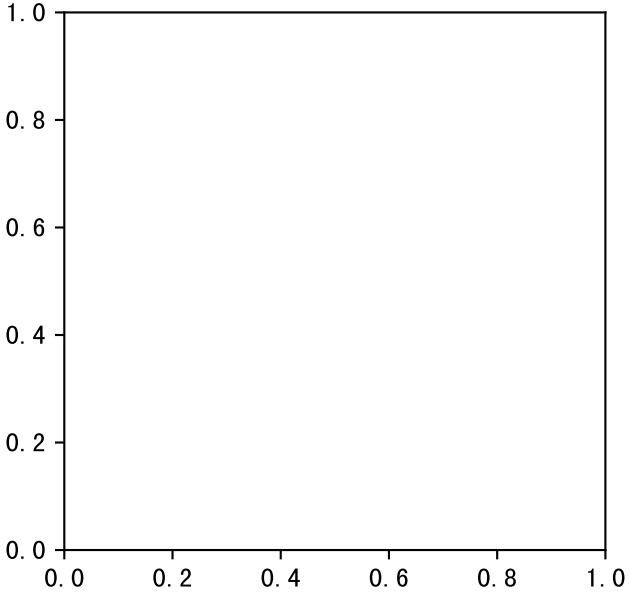

ETcl
ETol
T
RH
VN
I

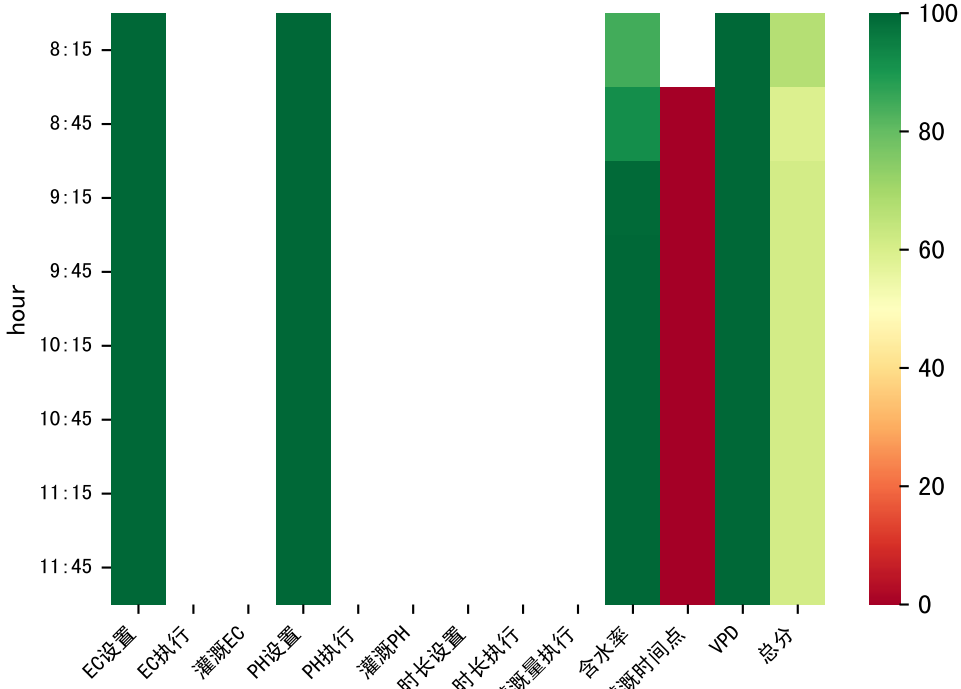




baiA	baiB
0.5959	0.028

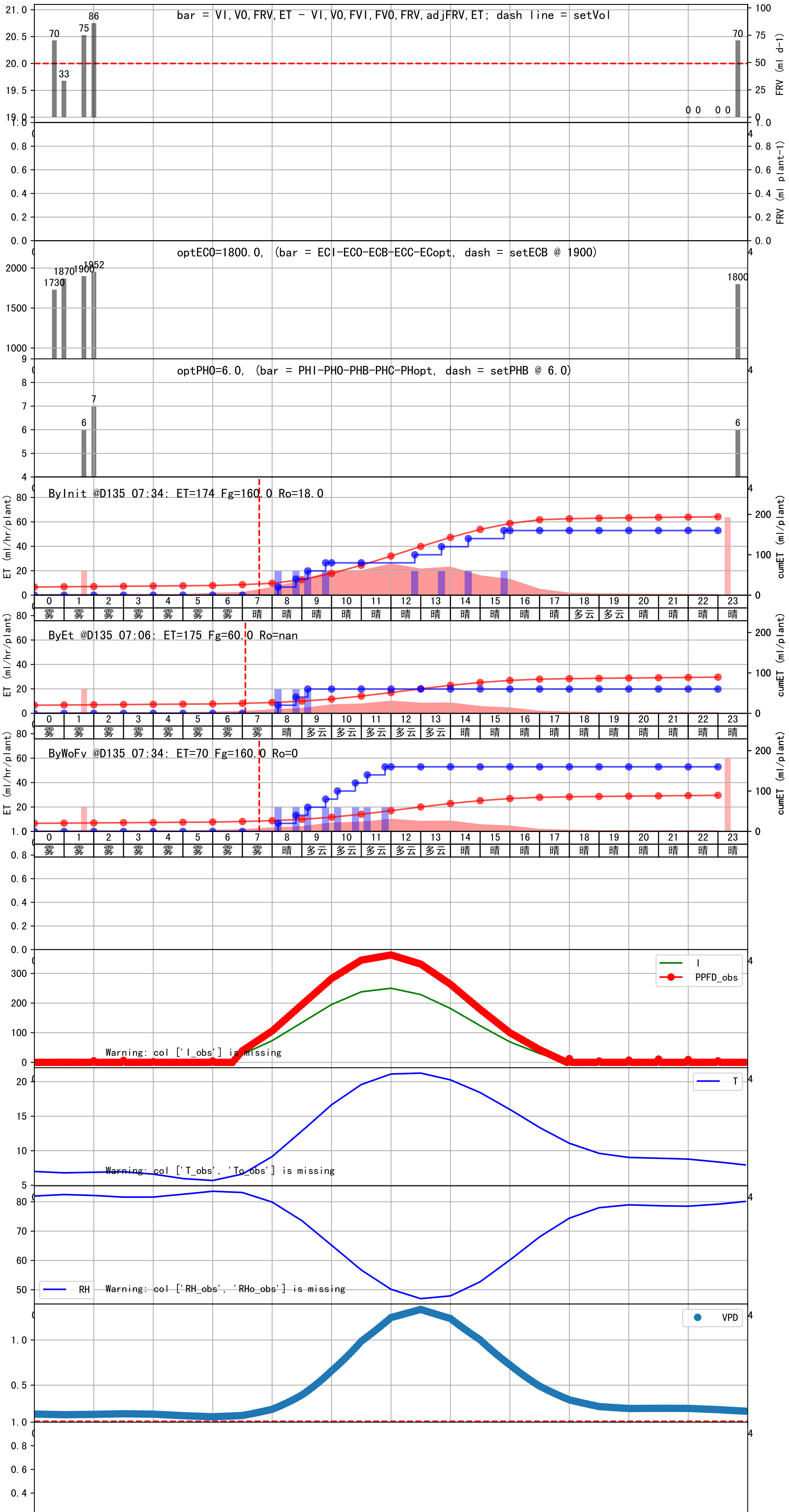


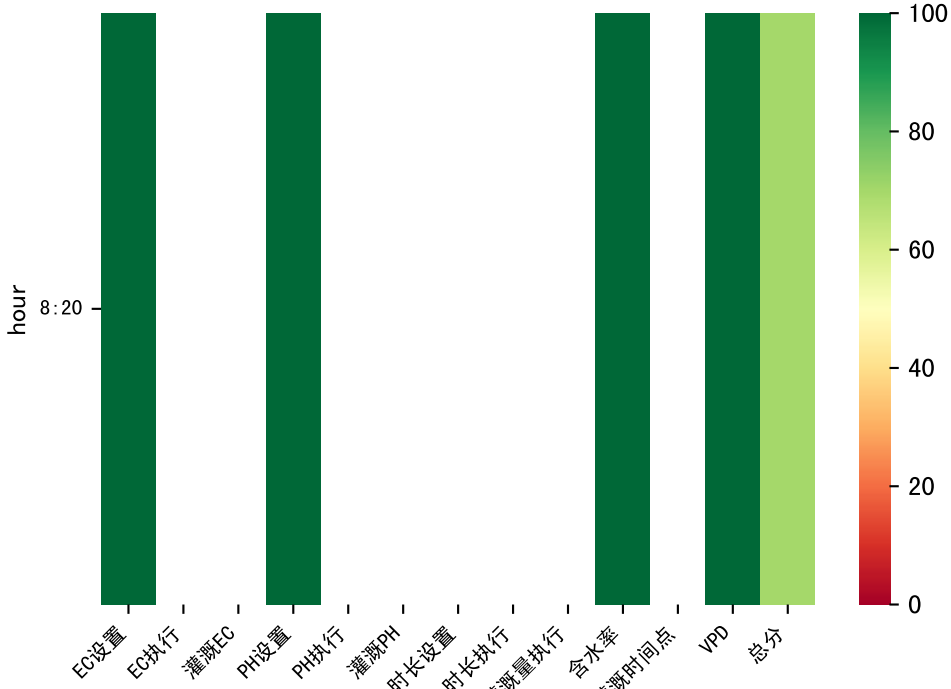



hour
8:15
8:45
9:15
9:45
10:15
10:45
11:15
11:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	37	20.0	0.081	晴	预期@08:15 自主（未用传感器）
08:45	37	20.0	0.081	晴	预期@08:45 自主（未用传感器）
09:15	37	20.0	0.081	多云	预期@09:15 自主（未用传感器）
09:45	37	20.0	0.081	多云	预期@09:45 自主（未用传感器）
10:15	37	20.0	0.081	多云	预期@10:15 自主（未用传感器）
10:45	37	20.0	0.081	多云	预期@10:45 自主（未用传感器）
11:15	37	20.0	0.081	多云	预期@11:15 自主（未用传感器）
11:45	37	20.0	0.081	多云	预期@11:45 自主（未用传感器）
总计	296.0 (8次)	160.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=135 (2026-02-18)

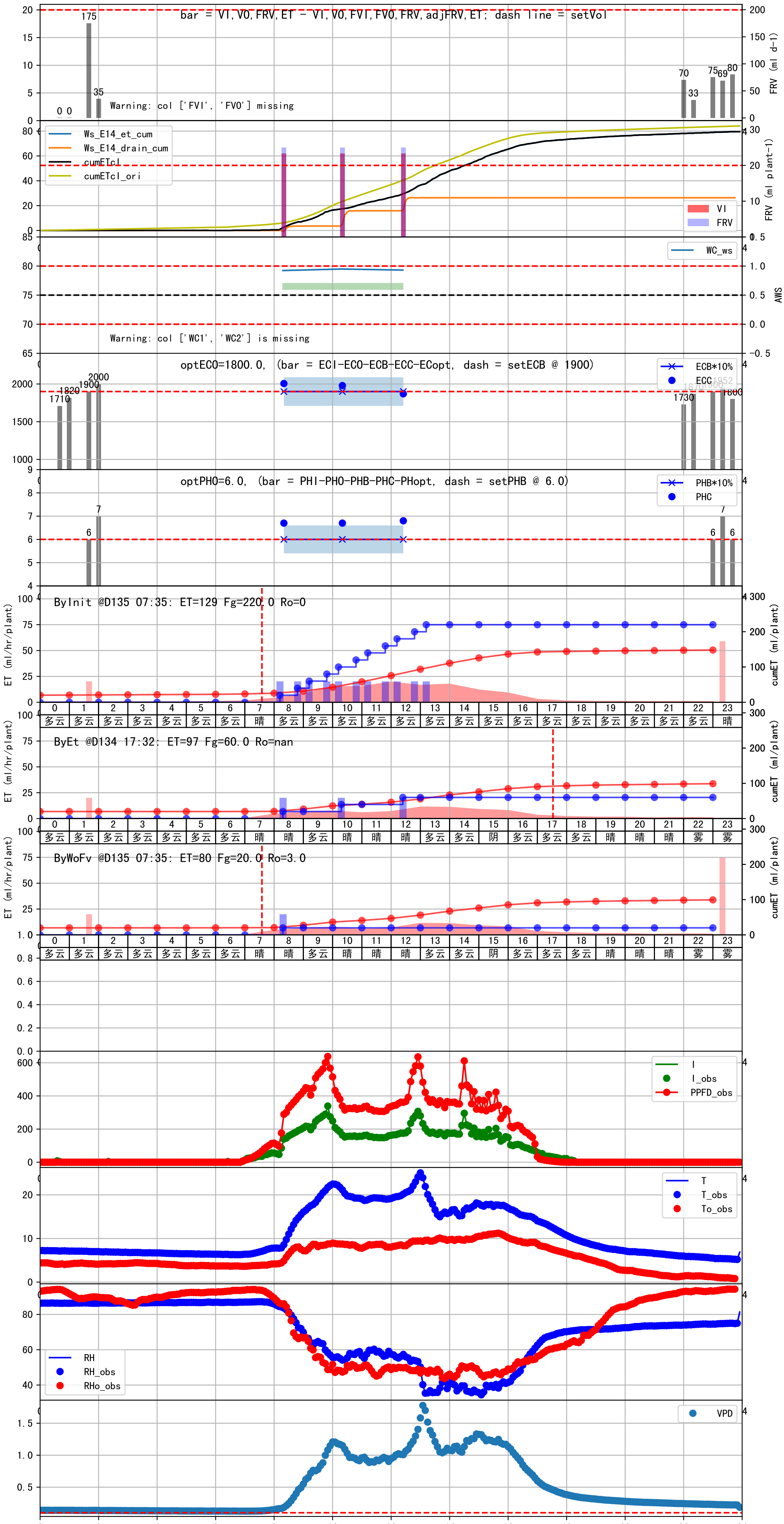


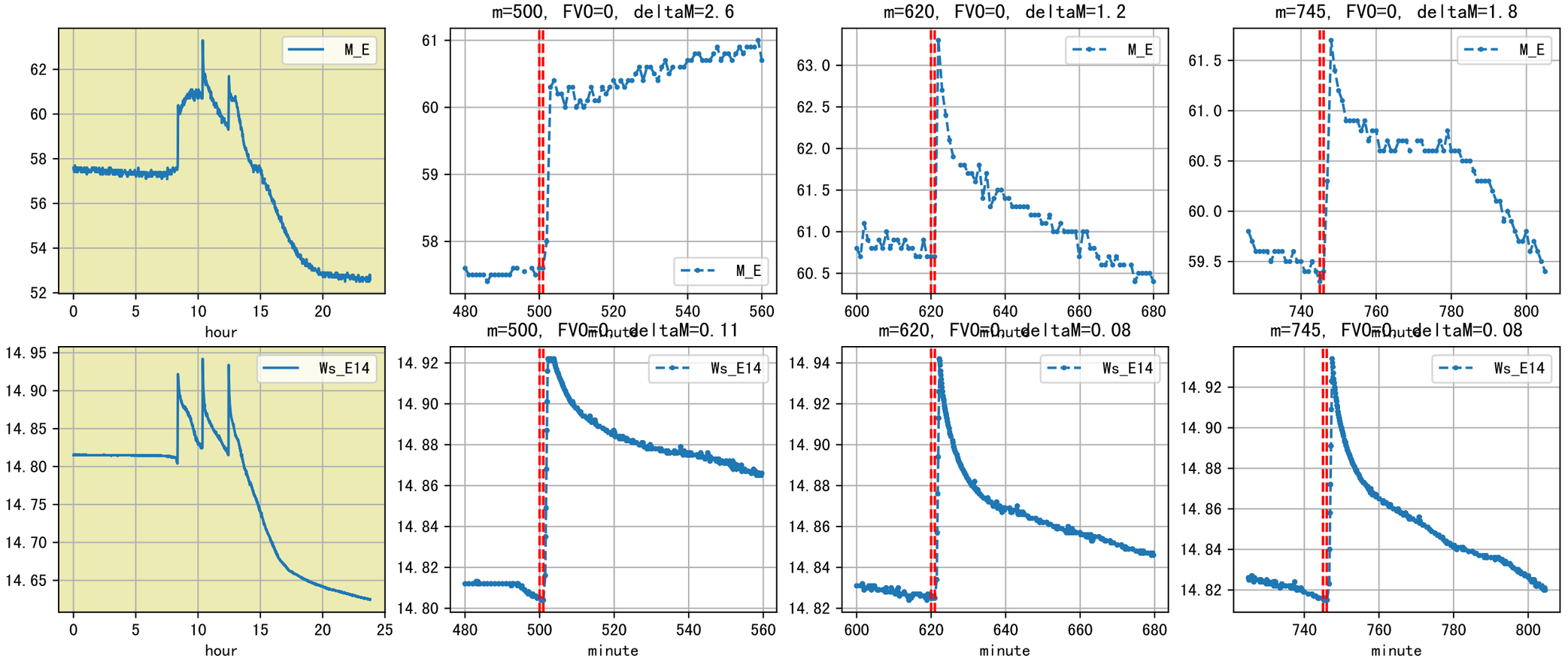

hour
8:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

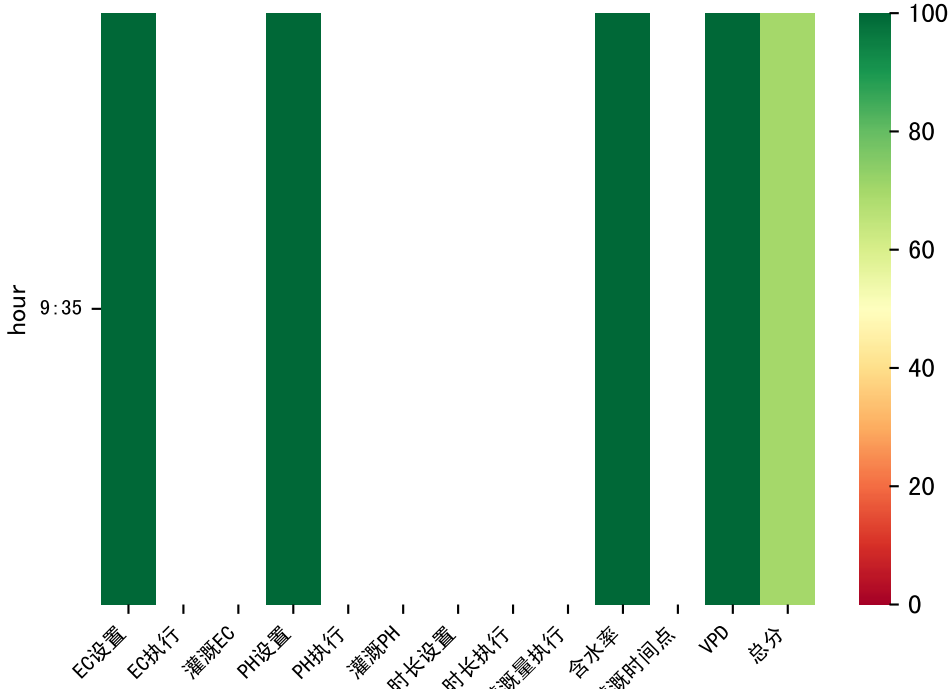
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	37	20.0	0.081	晴	假设@08:20 未知程序（未用传感器）
总计	37.0 (1次)	20.0			建议进液EC：1900， PH：6.0

上次灌溉时长未按模型建议(43 vs 37.0))
默认实际灌溉23.0 ml.

L1A1_1, Day=134.0 (2026-02-17)



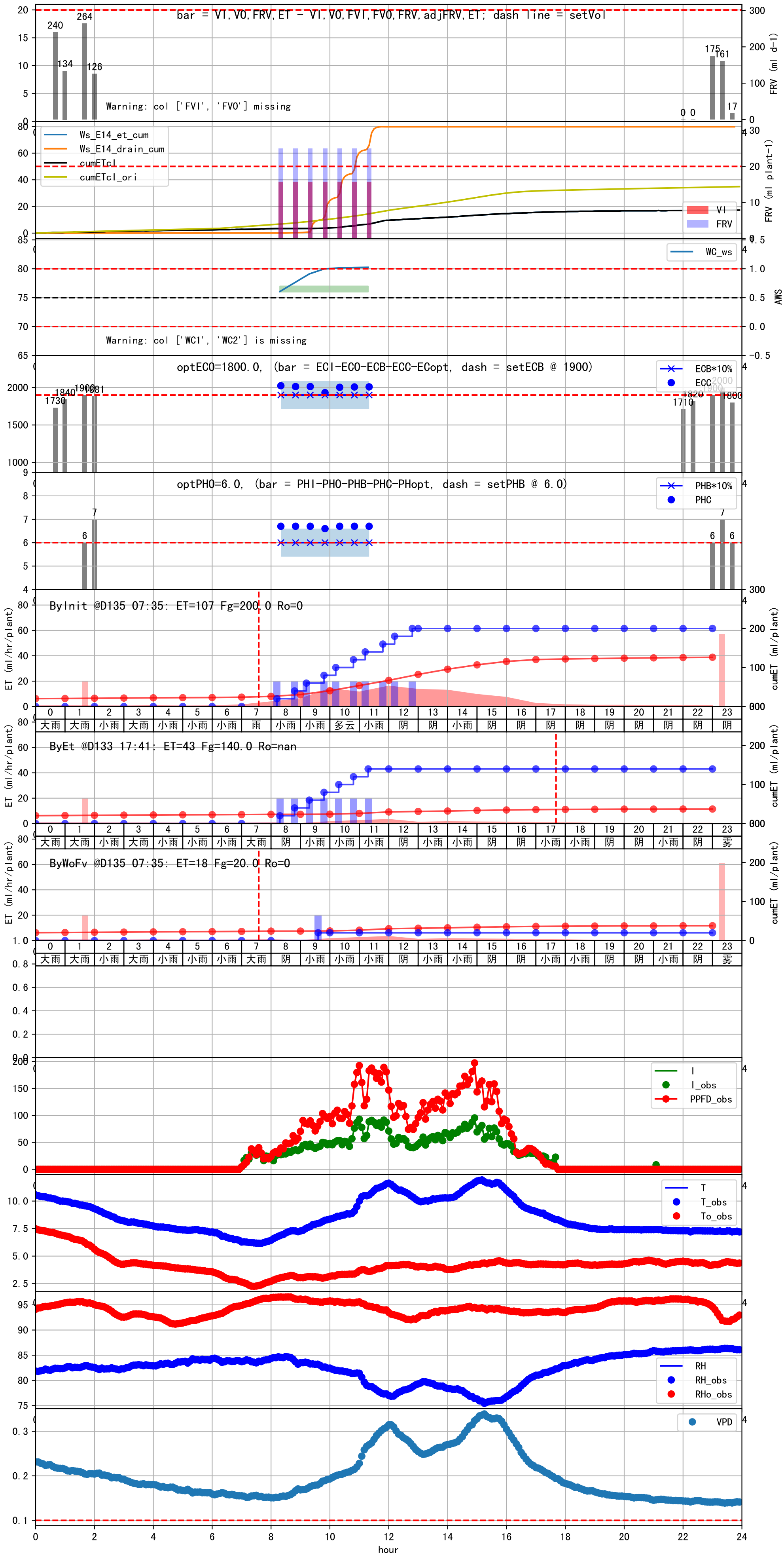

M_E
hour
m=500, FV0=0, deltaM=2.6
m=620, FV0=0, deltaM=1.2
m=745, FV0=0, deltaM=1.8
Ws_E14
minute
m=500, FV0=0, deltaM=0.11
m=620, FV0=0, deltaM=0.08
m=745, FV0=0, deltaM=0.08

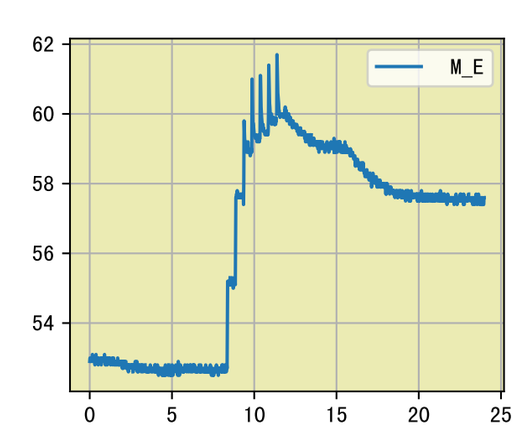

hour
9:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

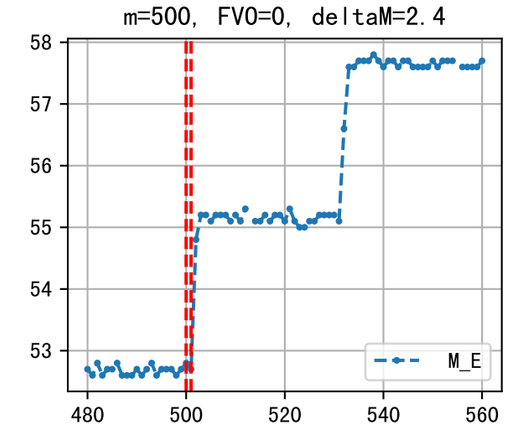
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:35	36	20.0	0.081	小雨	假设@09:35 未知程序（未用传感器）
总计	36.0 (1次)	20.0			建议进液EC：1900， PH：6.0

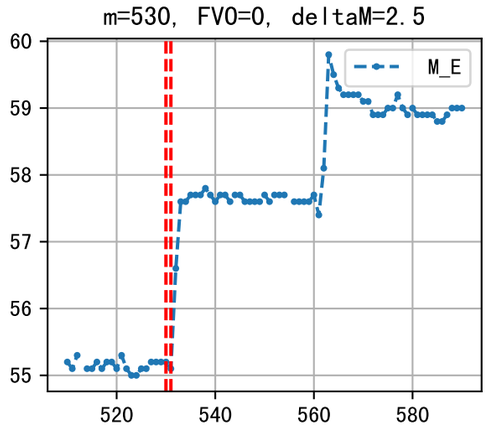
上次灌溉时长未按模型建议(41 vs 36.0))
默认实际灌溉23.0 ml.

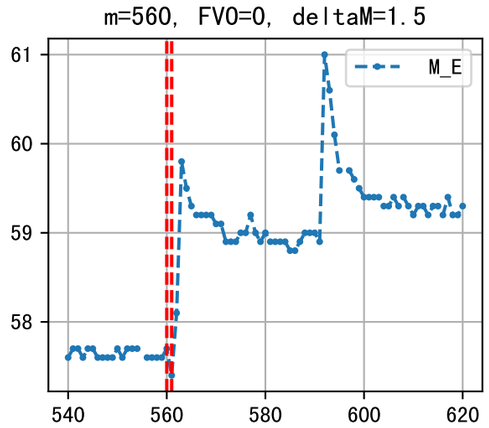
L1A1_1, Day=133.0 (2026-02-16)

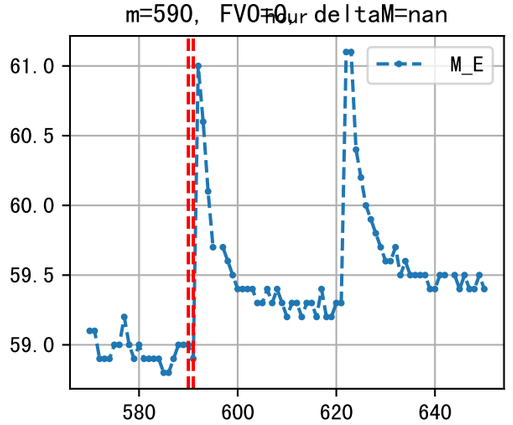


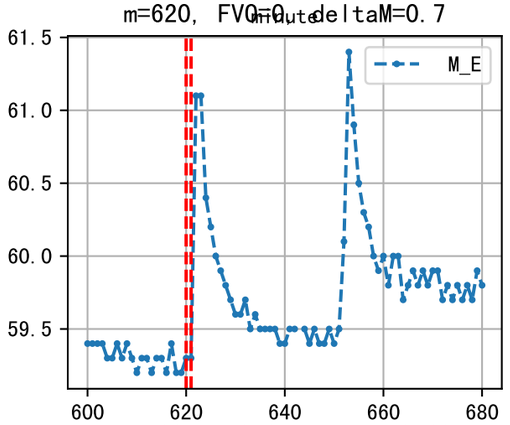

M_E

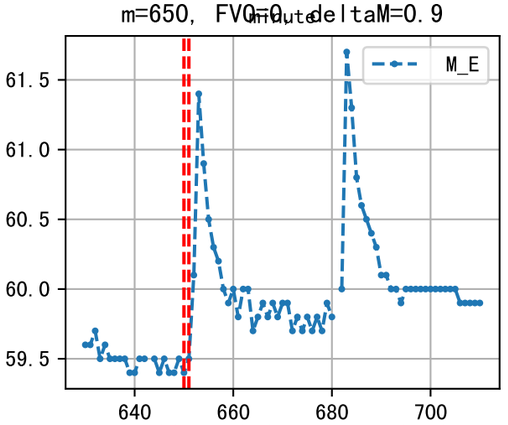

m=500, FV0=0, deltaM=2.4
M_E

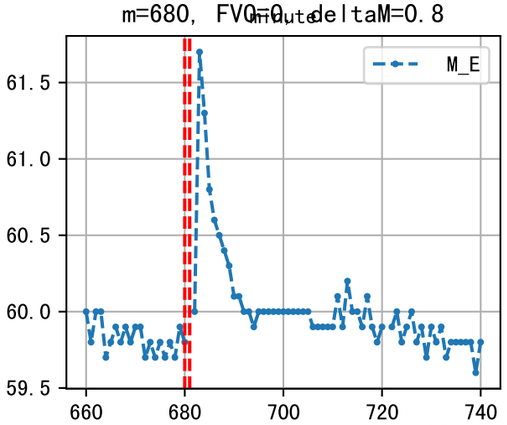

m=530, FV0=0, deltaM=2.5
M_E

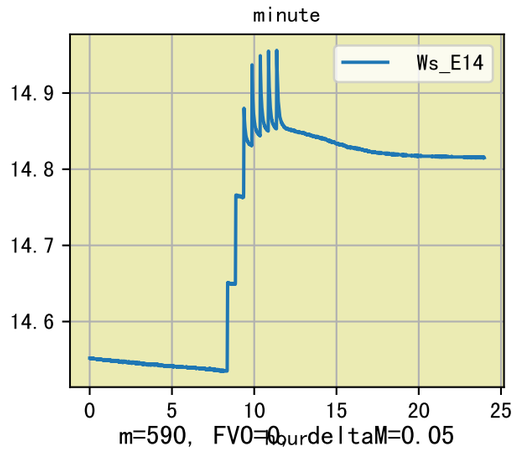

m=560, FV0=0, deltaM=1.5
M_E

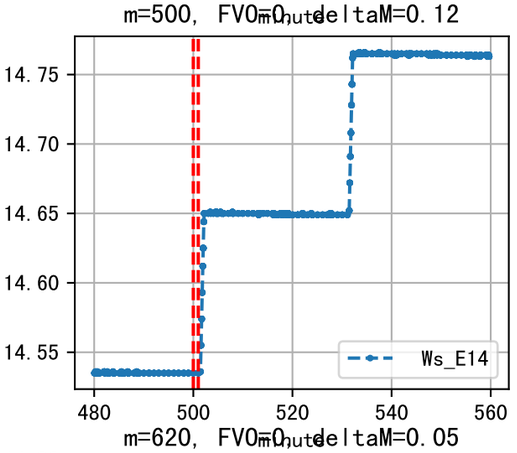

m=590, FV0=0, deltaM=nan
M_E
minute

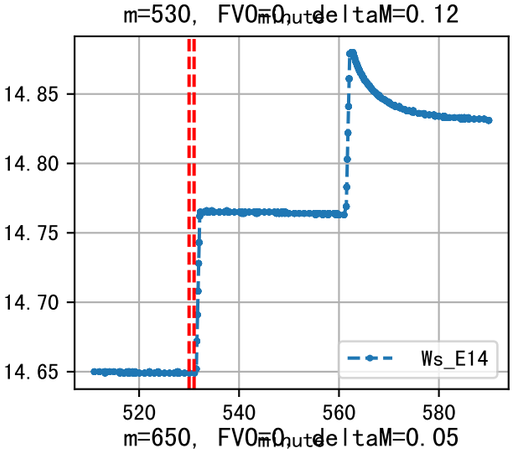

m=620, FV0=0, deltaM=0.7
M_E

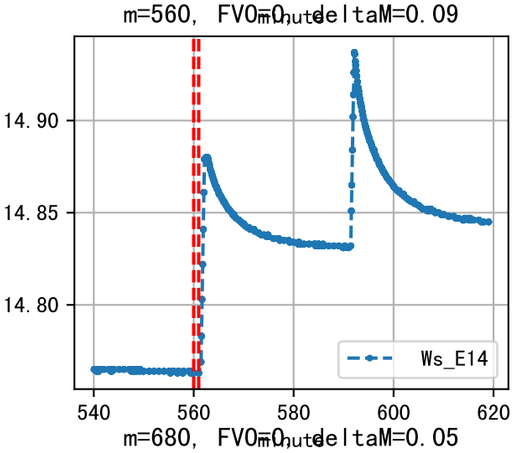

m=650, FV0=0, deltaM=0.9
M_E

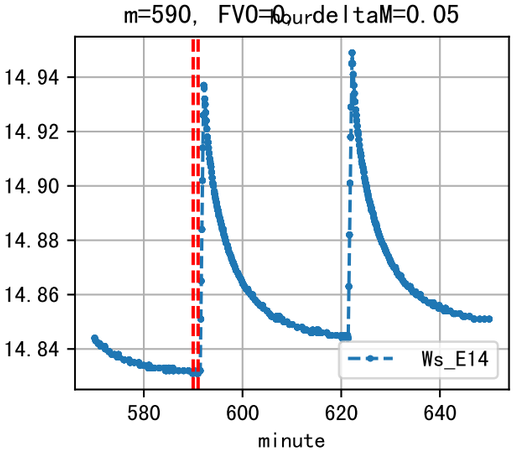

m=680, FV0=0, deltaM=0.8
M_E

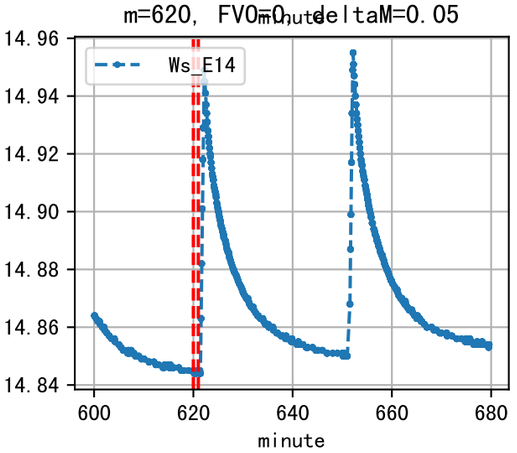

Ws_E14

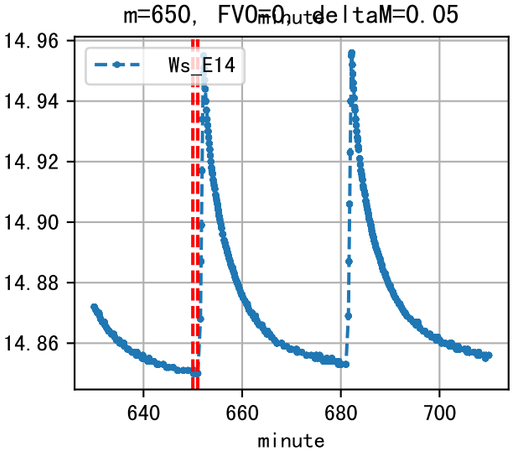

m=500, FV0=0, deltaM=0.12
Ws_E14

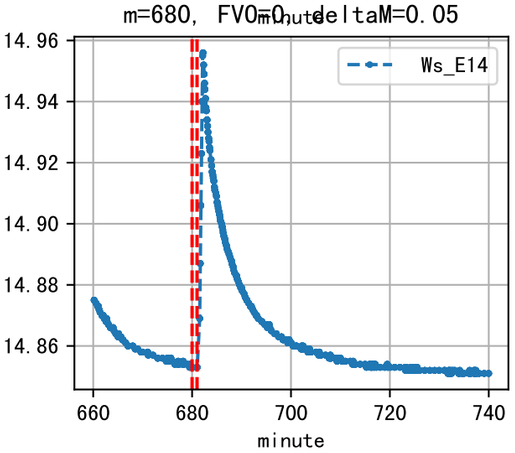

m=530, FV0=0, deltaM=0.12
Ws_E14

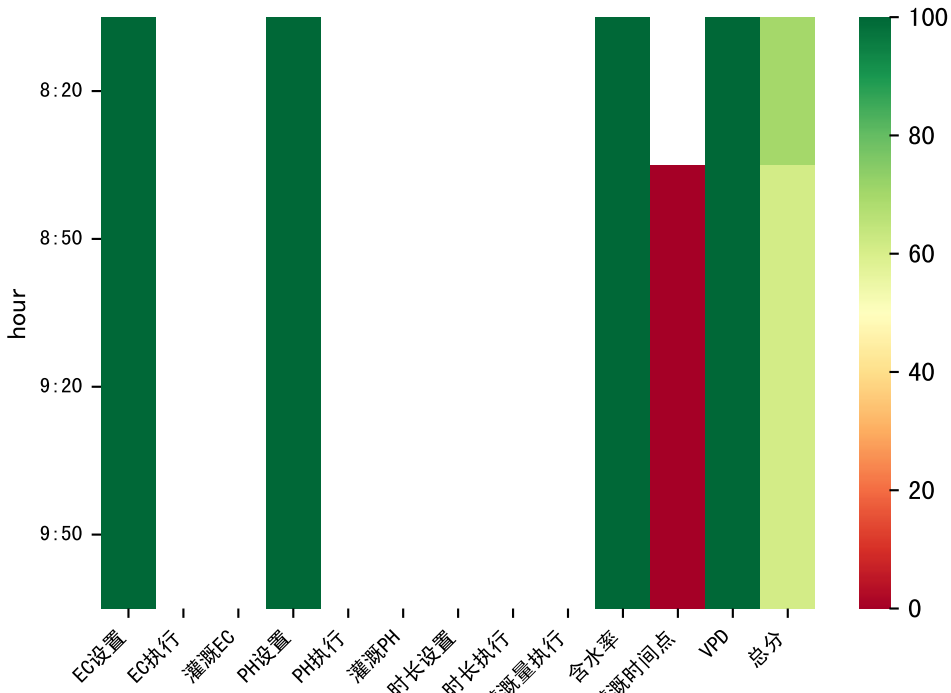

m=560, FV0=0, deltaM=0.09
Ws_E14


m=590, FV0=0, deltaM=0.05
Ws_E14
minute


m=620, FV0=0, deltaM=0.05
Ws_E14
minute

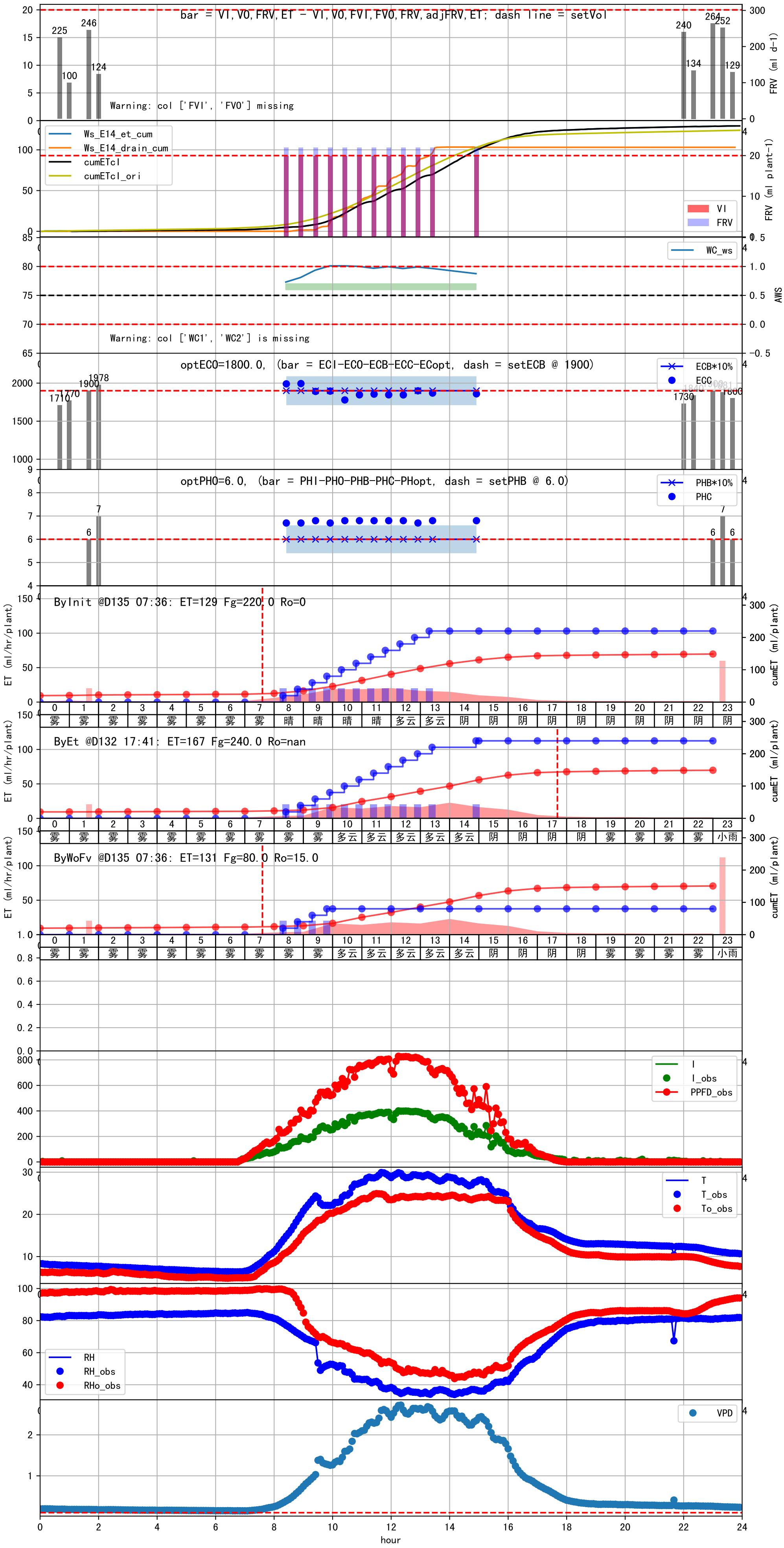

m=650, FV0=0, deltaM=0.05
Ws_E14
minute

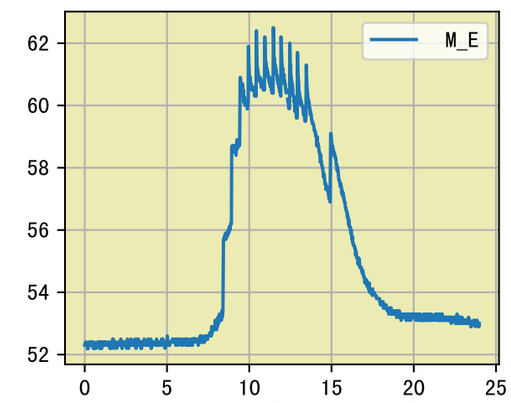

m=680, FV0=0, deltaM=0.05
Ws_E14
minute

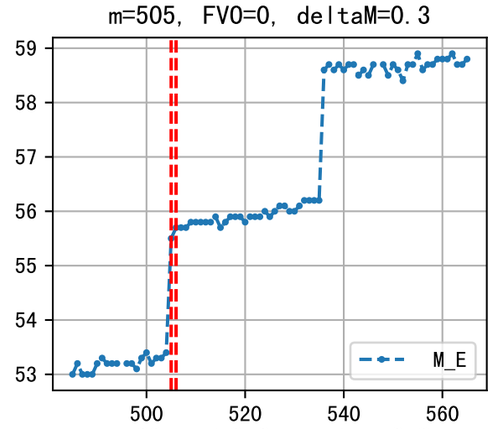

hour
8:20
8:50
9:20
9:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

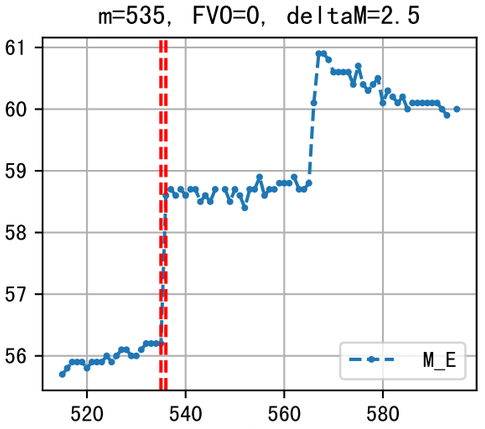
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	36	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	36	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	36	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	36	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
总计	144.0 (4次)	80.0			建议进液EC：1900， PH：6.0

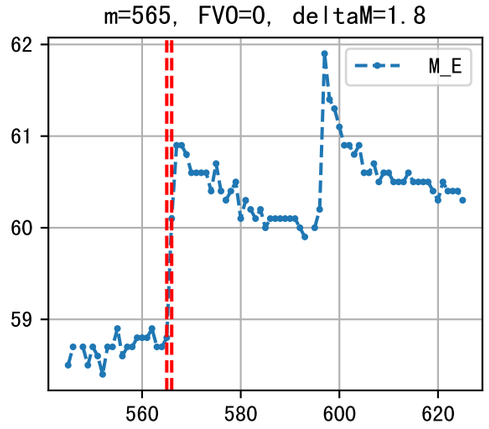
L1A1_1, Day=132.0 (2026-02-15)

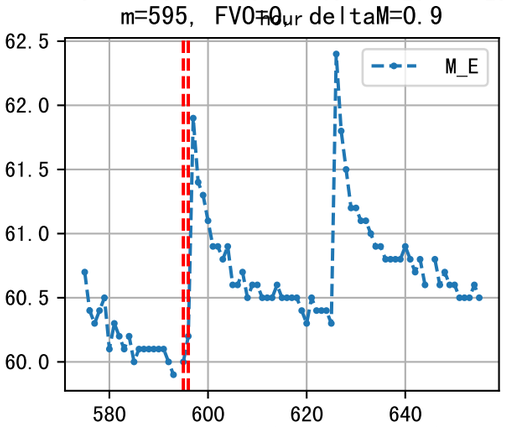


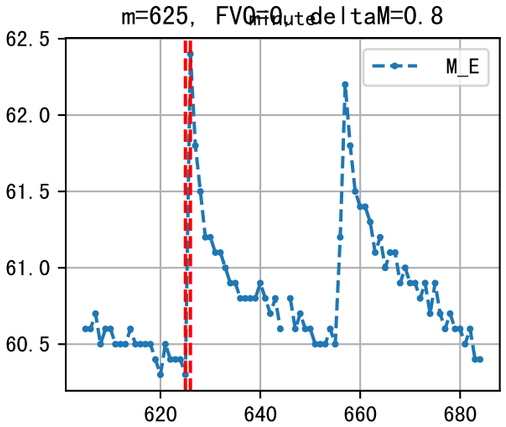

M_E
62
60
58
56
54
52
0
5
10
15
20
25

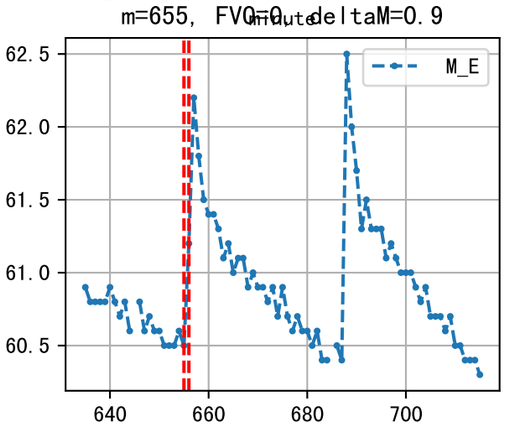

m=505, FVO=0, deltaM=0.3
M_E
59
58
57
56
55
54
53
500
520
540
560

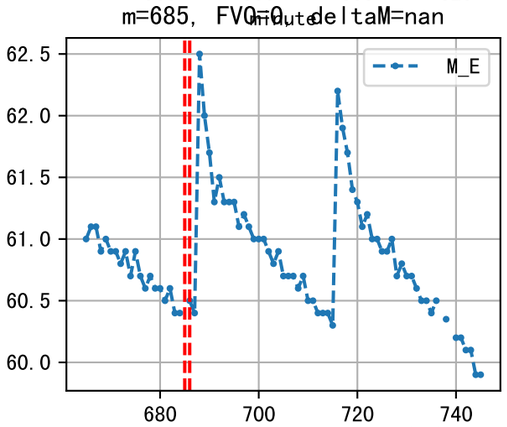

m=535, FVO=0, deltaM=2.5
M_E
61
60
59
58
57
56
520
540
560
580

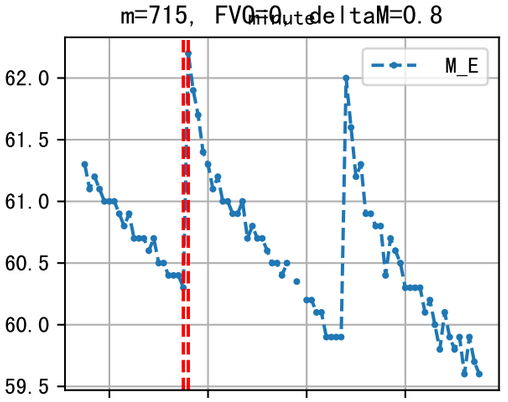

m=565, FVO=0, deltaM=1.8
M_E
62
61
60
59
560
580
600
620

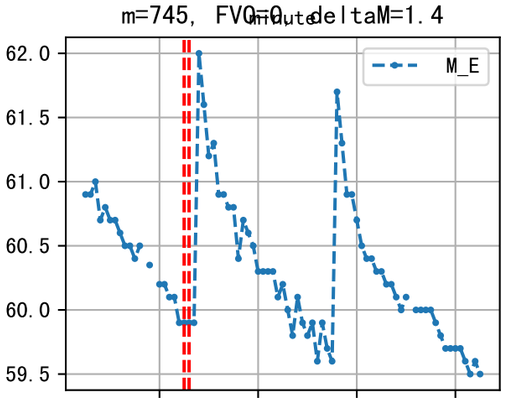

m=595, FVO=0, deltaM=0.9
M_E
62.5
62.0
61.5
61.0
60.5
60.0
580
600
620
640
Hour

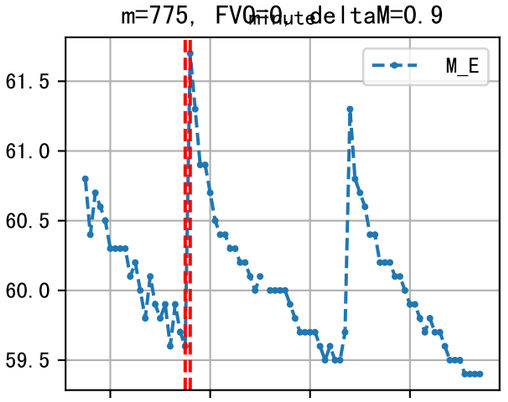

m=625, FVO=0, deltaM=0.8
M_E
62.5
62.0
61.5
61.0
60.5
620
640
660
680
minute

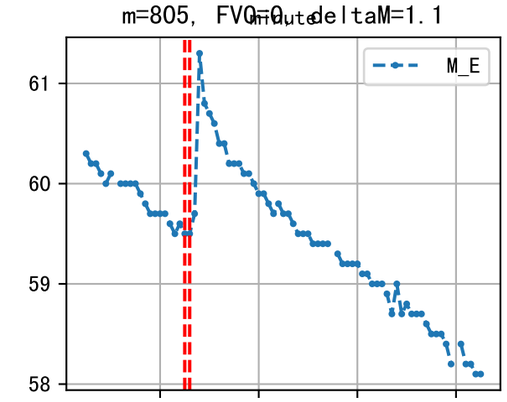

m=655, FVO=0, deltaM=0.9
M_E
62.5
62.0
61.5
61.0
60.5
640
660
680
700
minute

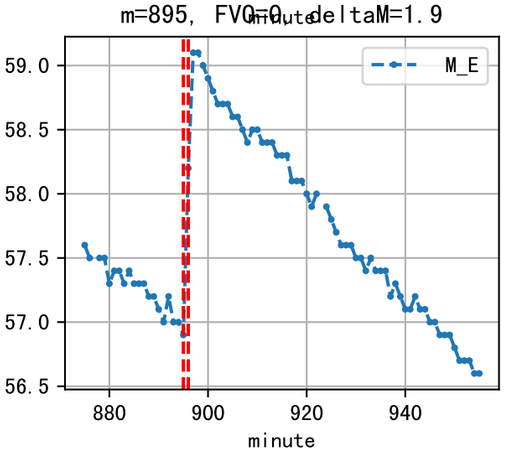

m=685, FVO=0, deltaM=nan
M_E
62.5
62.0
61.5
61.0
60.5
60.0
680
700
720
740
minute

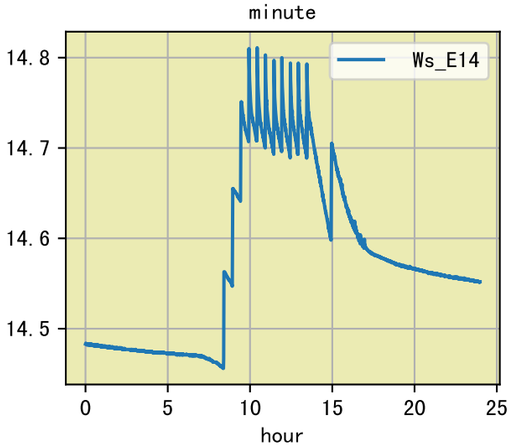

m=715, FVO=0, deltaM=0.8
M_E
62.0
61.5
61.0
60.5
60.0
59.5
700
720
740
760
minute

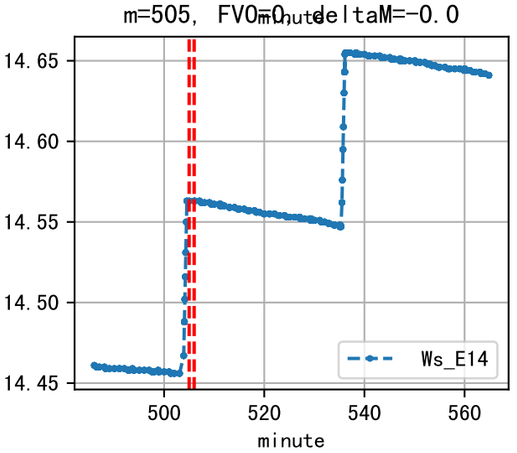

m=745, FVO=0, deltaM=1.4
M_E
62.0
61.5
61.0
60.5
60.0
59.5
740
760
780
800
minute

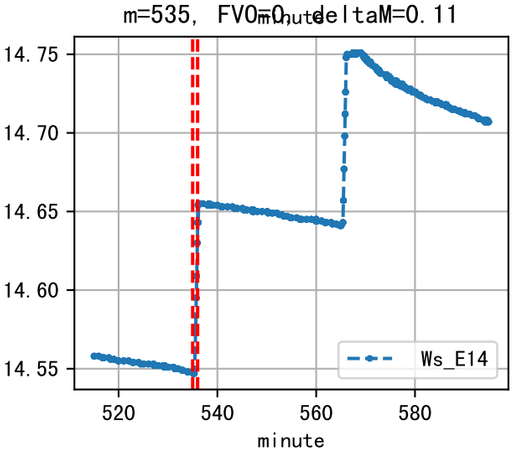

m=775, FVO=0, deltaM=0.9
M_E
61.5
61.0
60.5
60.0
59.5
760
780
800
820
minute

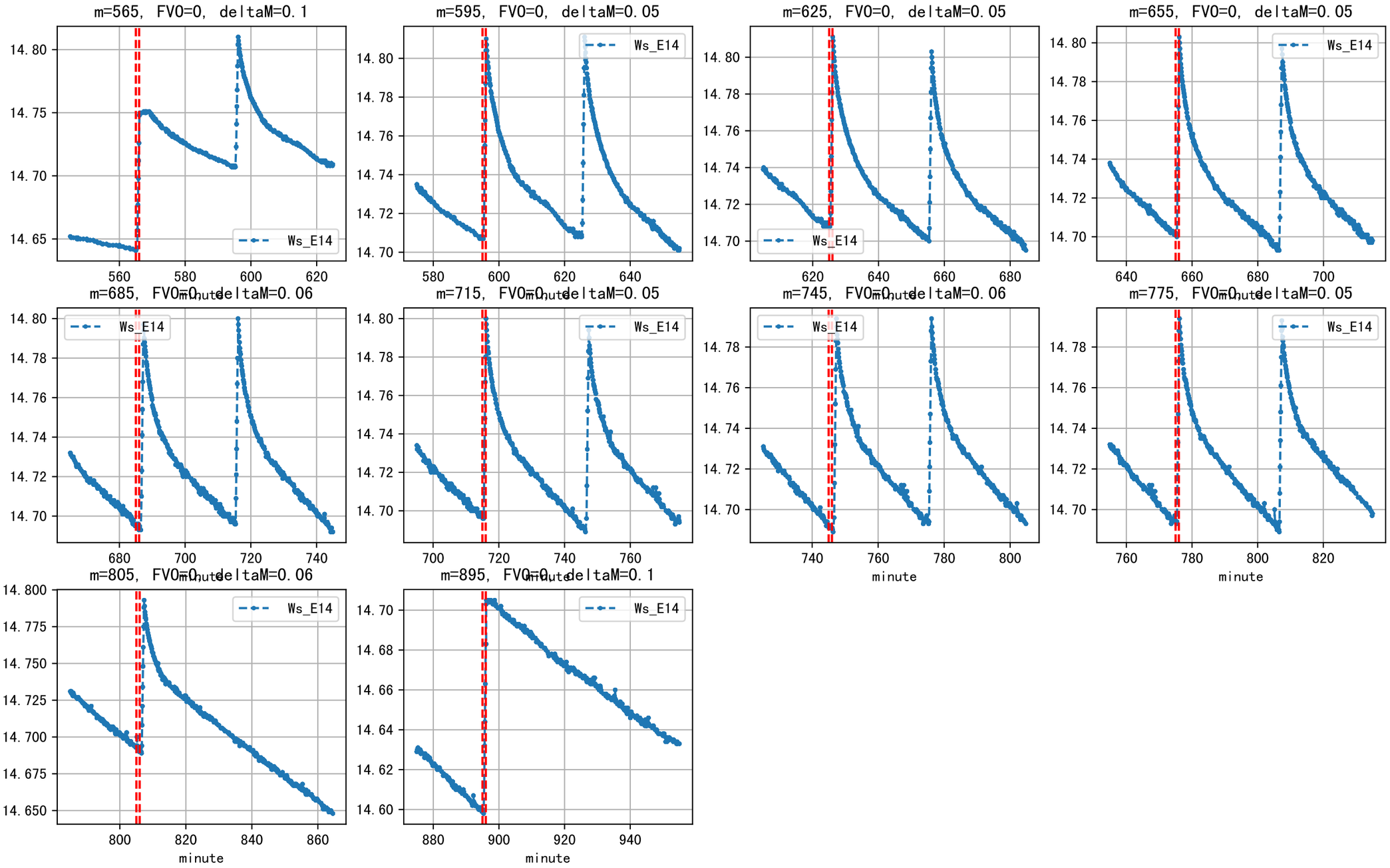

m=805, FVO=0, deltaM=1.1
M_E
61
60
59
58
800
820
840
860
minute

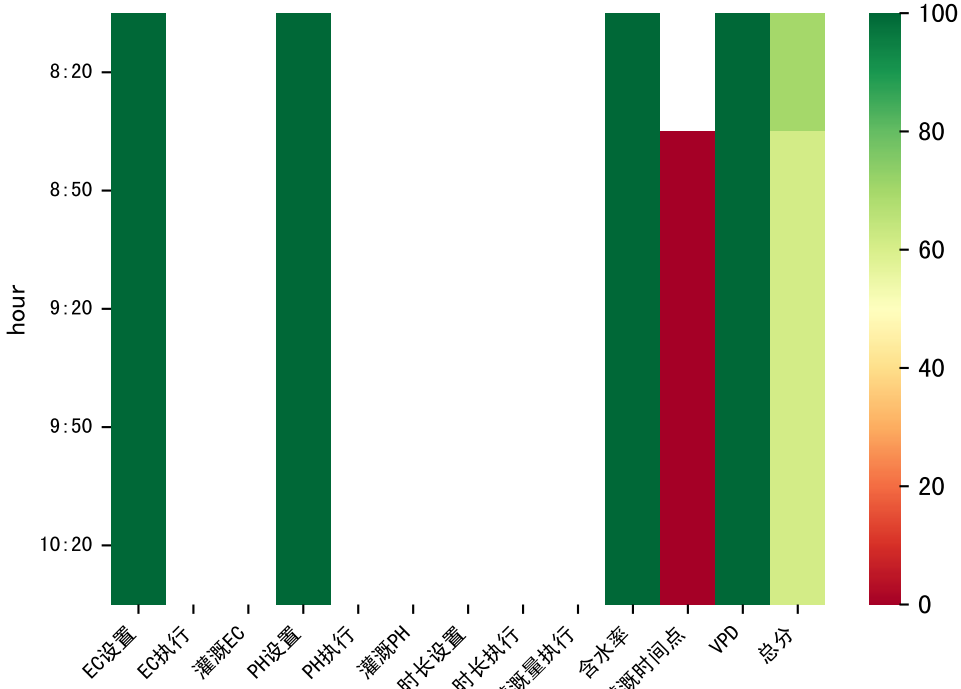

m=895, FVO=0, deltaM=1.9
M_E
59.0
58.5
58.0
57.5
57.0
56.5
880
900
920
940
minute


Ws_E14
14.8
14.7
14.6
14.5
0
5
10
15
20
25
hour


m=505, FVO=0, deltaM=-0.0
Ws_E14
14.65
14.60
14.55
14.50
14.45
500
520
540
560
minute


m=535, FVO=0, deltaM=0.11
Ws_E14
14.75
14.70
14.65
14.60
14.55
520
540
560
580
minute

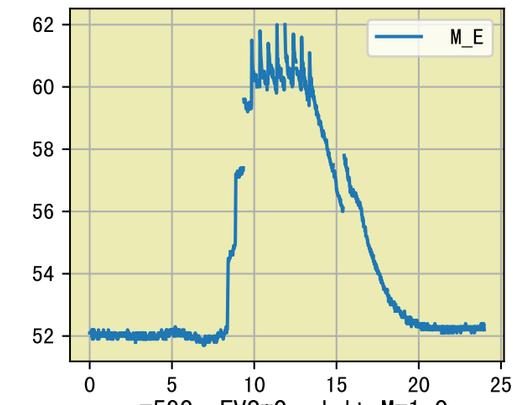

m=565, FVO=0, deltaM=0.1
m=595, FVO=0, deltaM=0.05
m=625, FVO=0, deltaM=0.05
m=655, FVO=0, deltaM=0.05
m=685, FVO=0, deltaM=0.06
m=715, FVO=0, deltaM=0.05
m=745, FVO=0, deltaM=0.06
m=775, FVO=0, deltaM=0.05
m=805, FVO=0, deltaM=0.06
m=895, FVO=0, deltaM=0.1
Ws_E14
minute

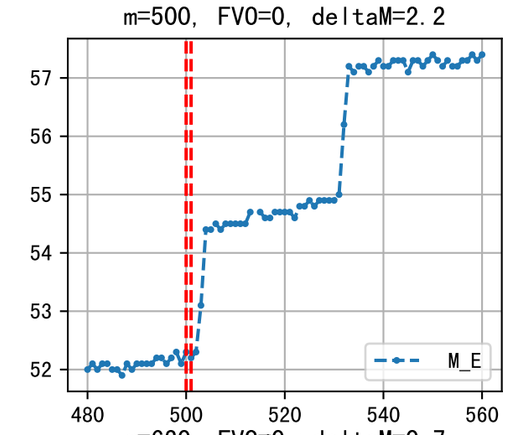

hour
8:20
8:50
9:20
9:50
10:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

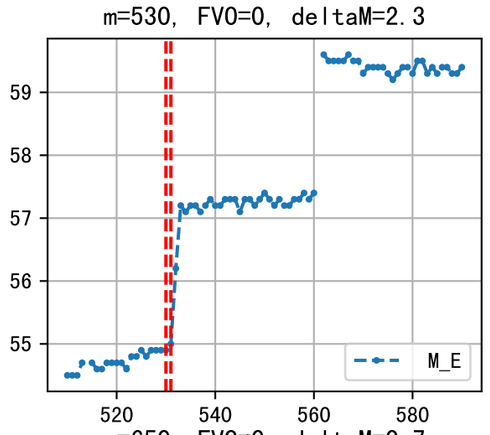
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	36	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	36	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	36	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	36	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
10:20	36	20.0	0.081	雾	假设@10:20 未知程序（未用传感器）
总计	180.0 (5次)	100.0			建议进液EC：1900， PH：6.0

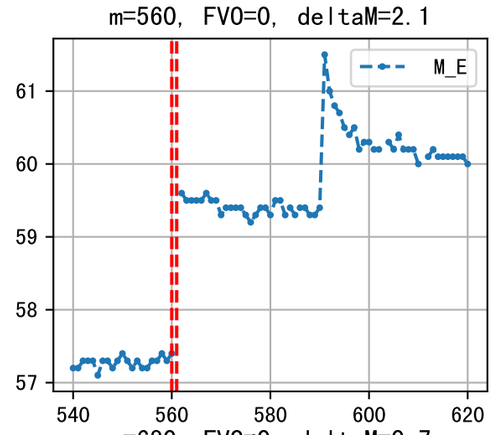
上次灌溉流速比过去5天平均大 (0.61 vs 0.55)，可能管道压力异常或有管道漏水
默认实际灌溉20.0 ml.

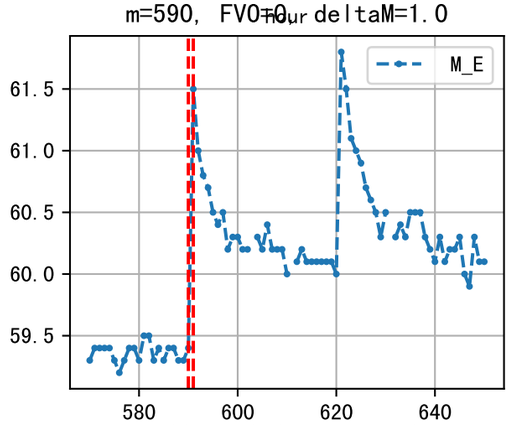
L1A1_1, Day=131.0 (2026-02-14)

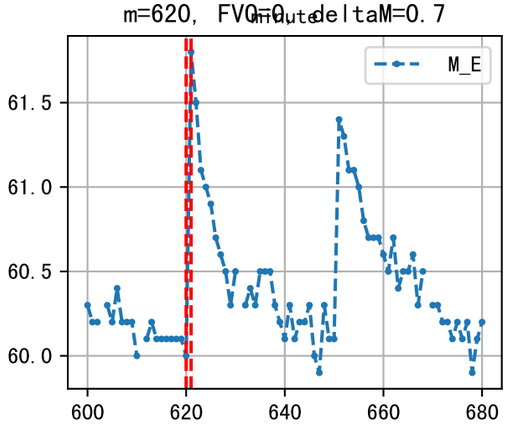

M_E

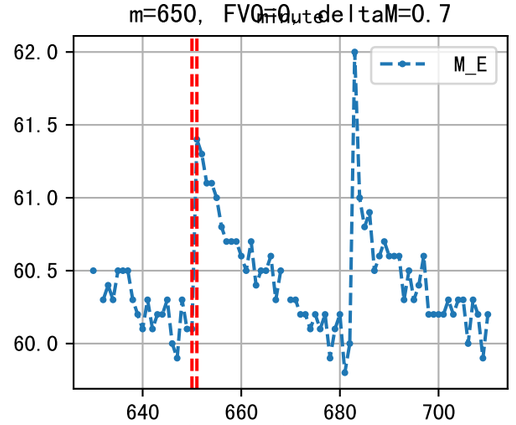

m=500, FV0=0, deltaM=2.2
M_E

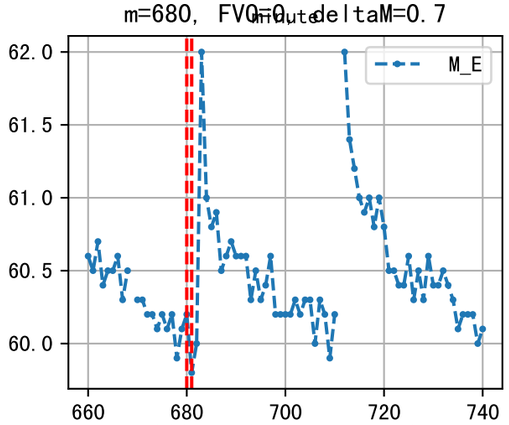

m=530, FV0=0, deltaM=2.3
M_E

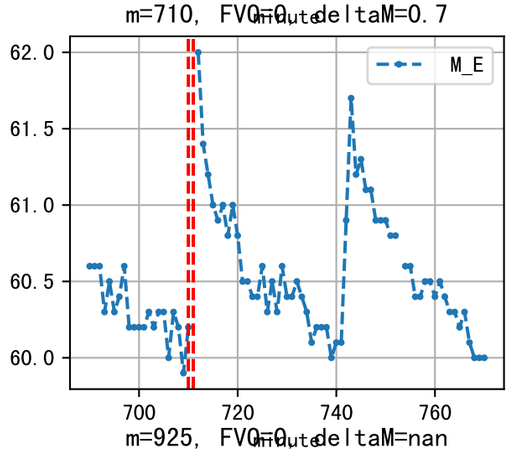

m=560, FV0=0, deltaM=2.1
M_E

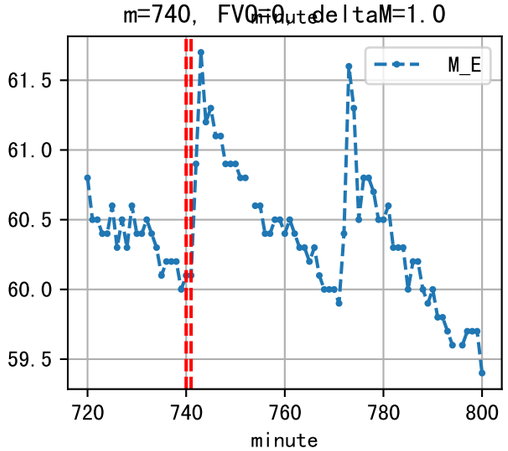

m=590, FV0=0, deltaM=1.0
M_E

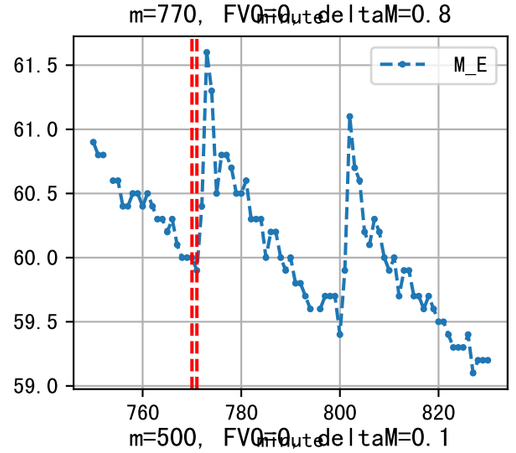

m=620, FV0=0, deltaM=0.7
M_E

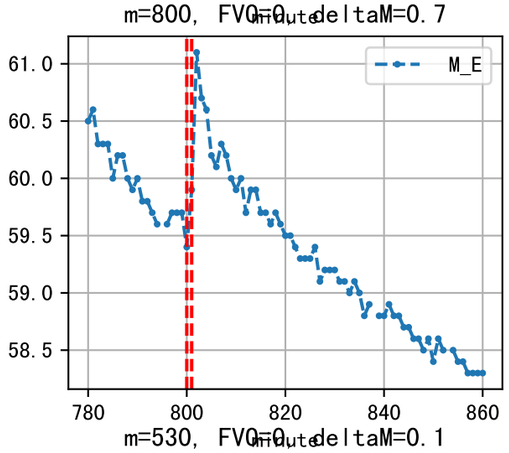

m=650, FV0=0, deltaM=0.7
M_E

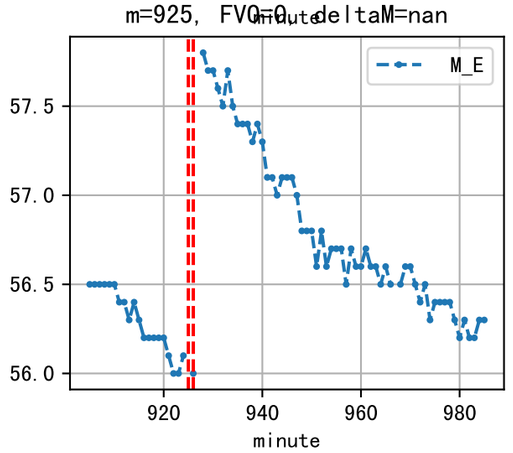

m=680, FV0=0, deltaM=0.7
M_E

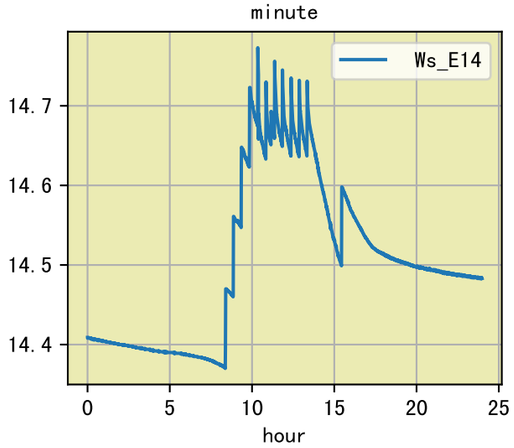

m=710, FV0=0, deltaM=0.7
M_E

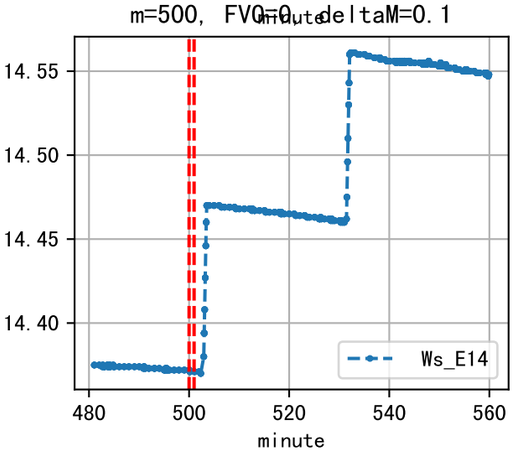

m=740, FV0=0, deltaM=1.0
M_E
minute

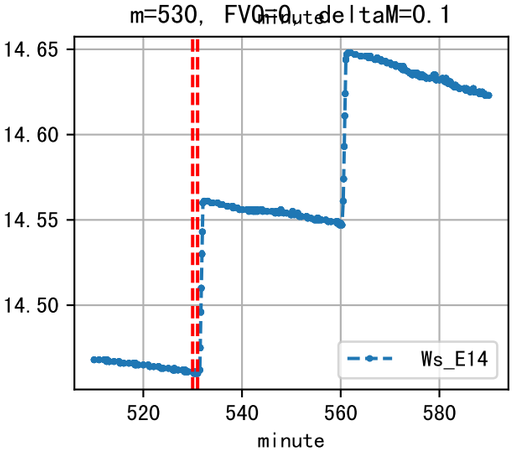

m=770, FV0=0, deltaM=0.8
M_E

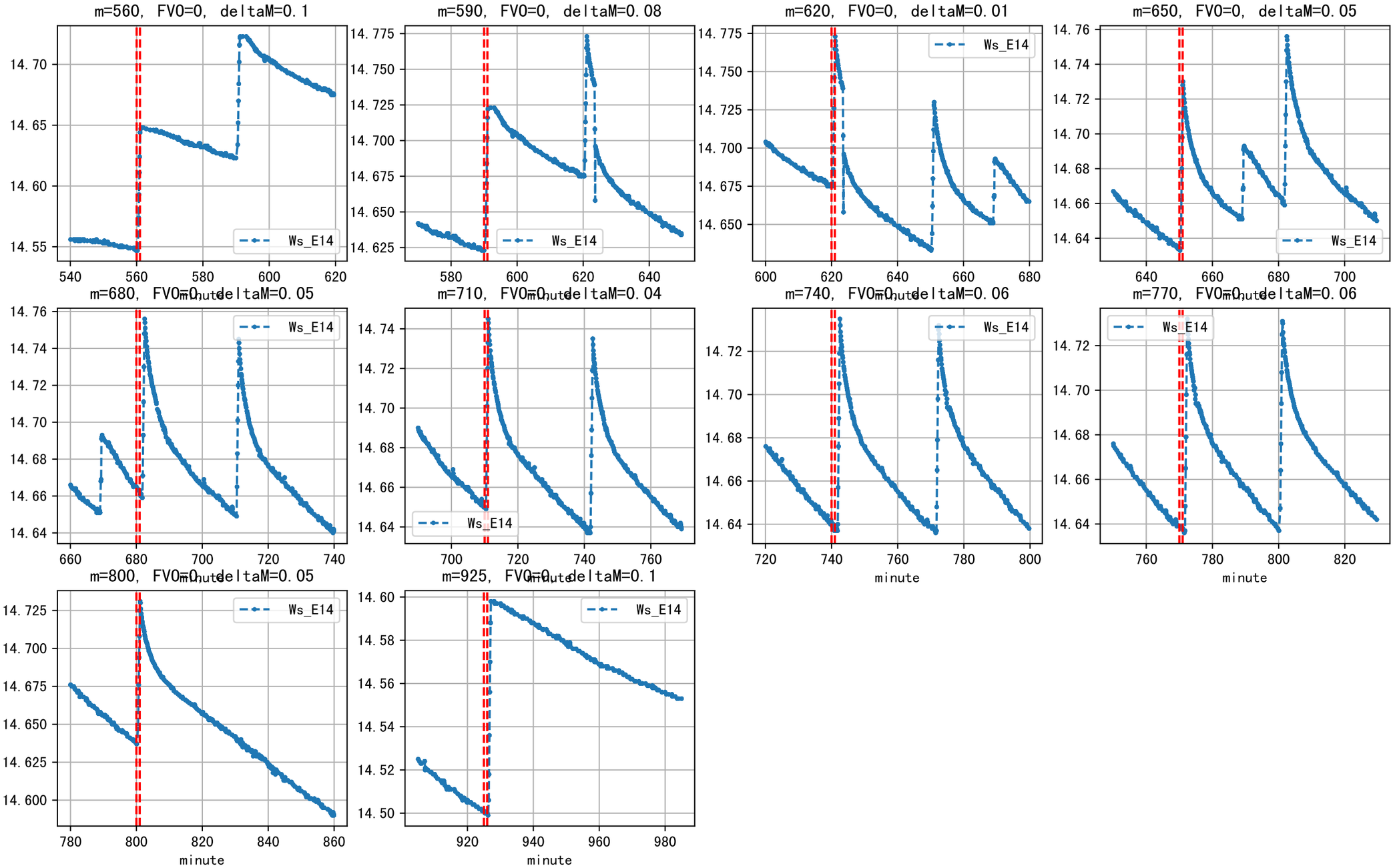

m=800, FV0=0, deltaM=0.7
M_E


m=925, FV0=0, deltaM=nan
M_E
minute


Ws_E14
hour


m=500, FV0=0, deltaM=0.1
Ws_E14
minute


m=530, FV0=0, deltaM=0.1
Ws_E14
minute


m=560, FV0=0, deltaM=0.1
m=590, FV0=0, deltaM=0.08
m=620, FV0=0, deltaM=0.01
m=650, FV0=0, deltaM=0.05
m=680, FV0=0, deltaM=0.05
m=710, FV0=0, deltaM=0.04
m=740, FV0=0, deltaM=0.06
m=770, FV0=0, deltaM=0.06
m=800, FV0=0, deltaM=0.05
m=925, FV0=0, deltaM=0.1
Ws_E14
minute