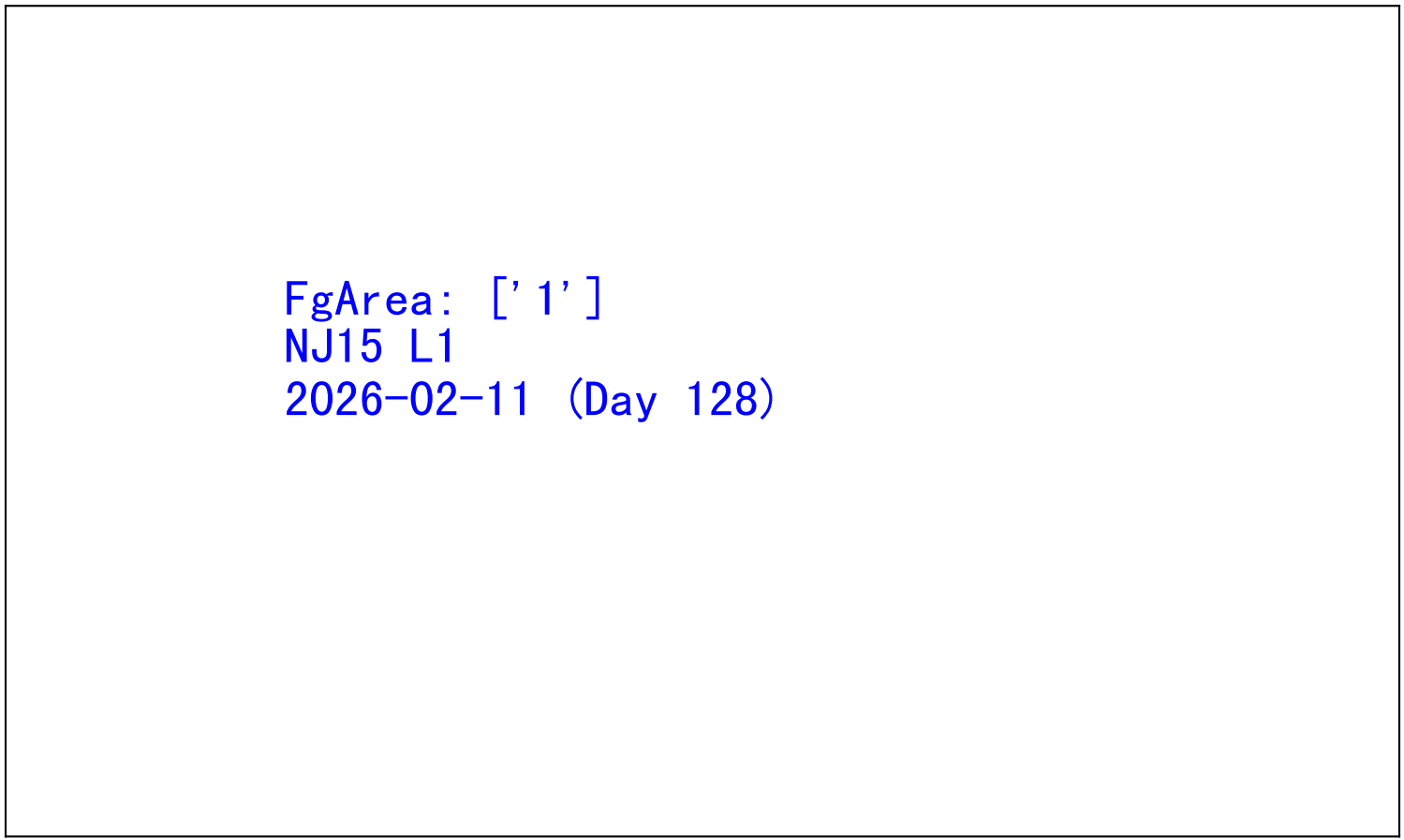
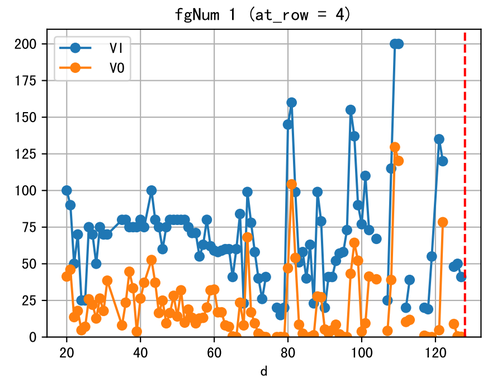
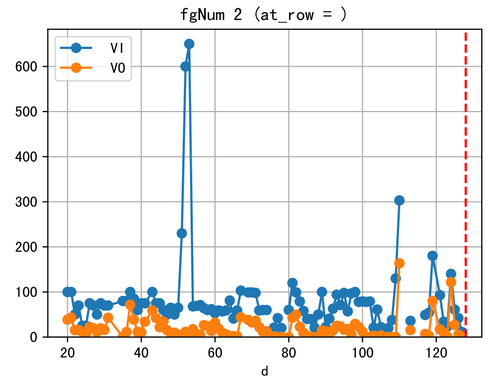
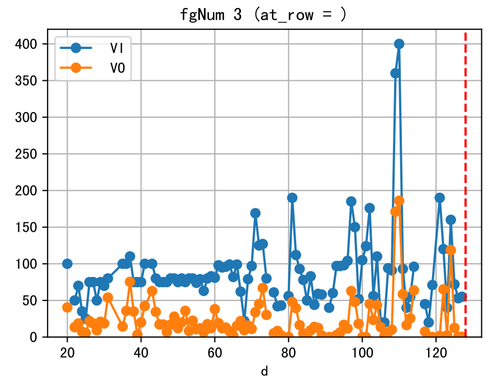
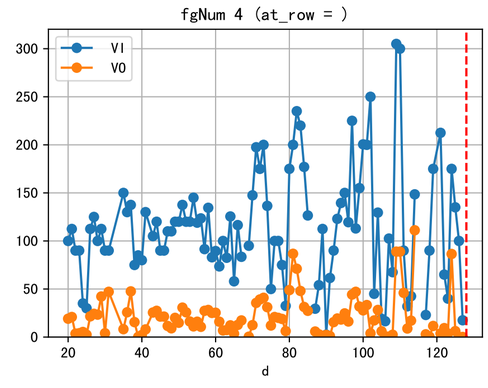
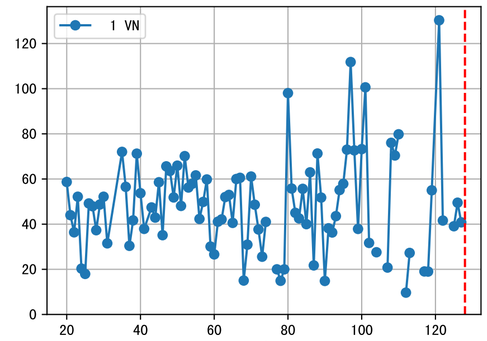

FgArea: ['1']
NJ15 L1
2026-02-11 (Day 128)

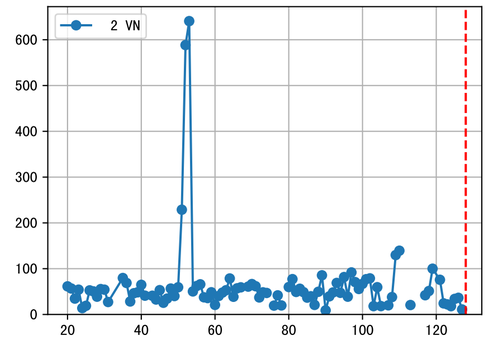

fgNum 1 (at_row = 4)
VI
VO
d

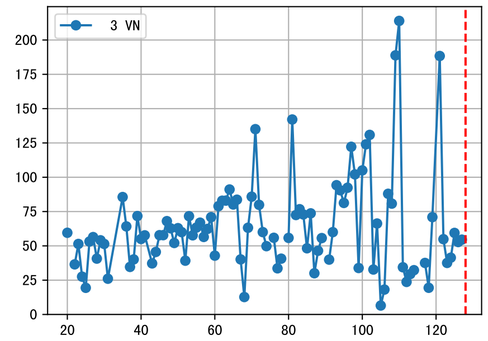

fgNum 2 (at_row =)
VI
VO
d

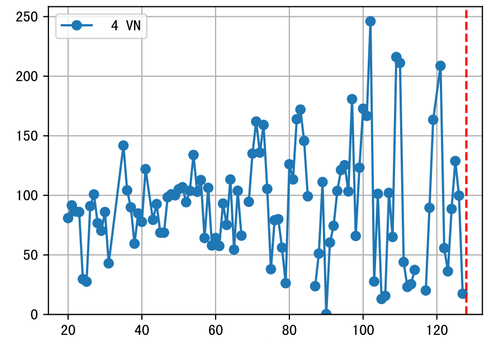

fgNum 3 (at_row =)
VI
VO
d

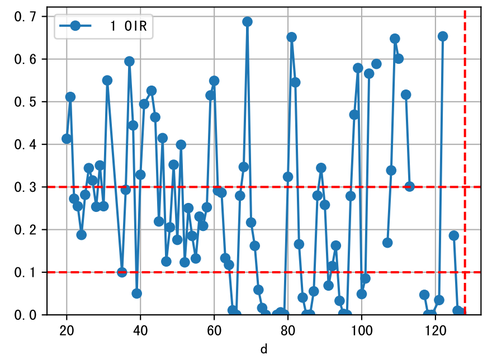

fgNum 4 (at_row =)
VI
VO
d

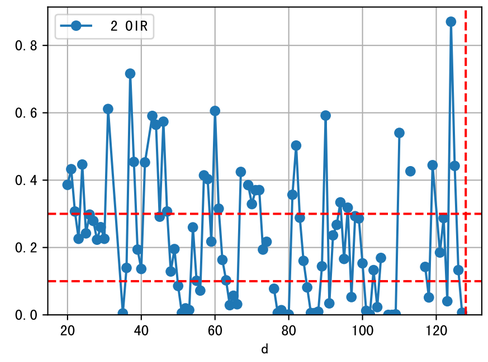

1 VN
d

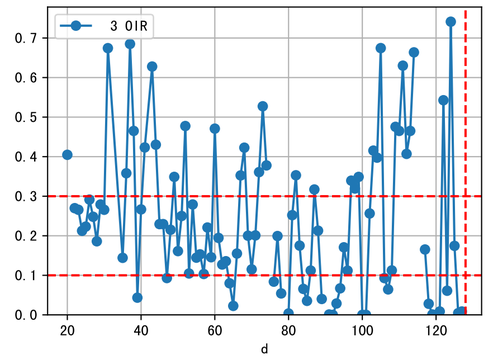

2 VN
d

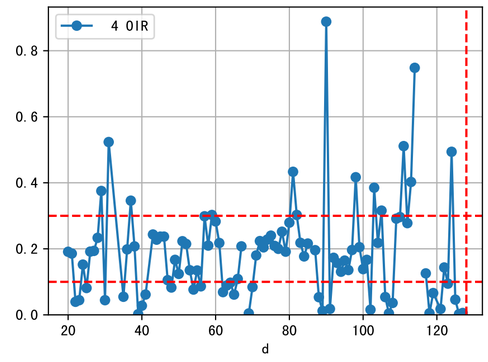

3 VN
d

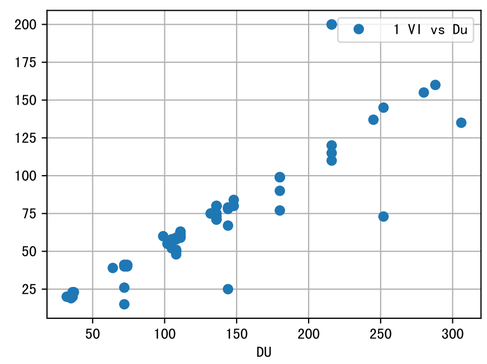

4 VN
d

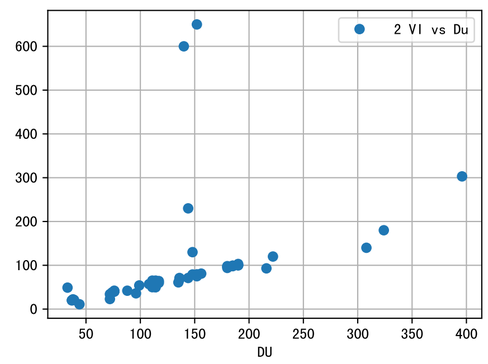

1 OIR
d

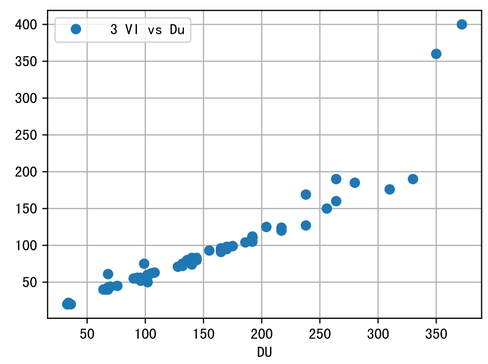

2 OIR
d

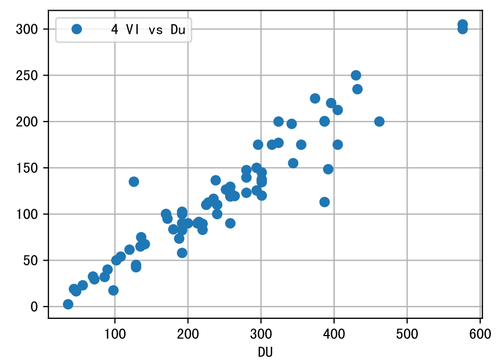

3 OIR
d

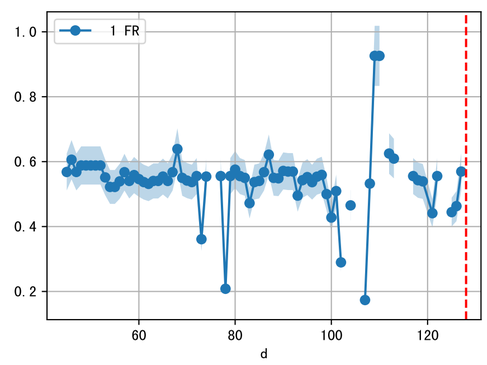

4 OIR
d

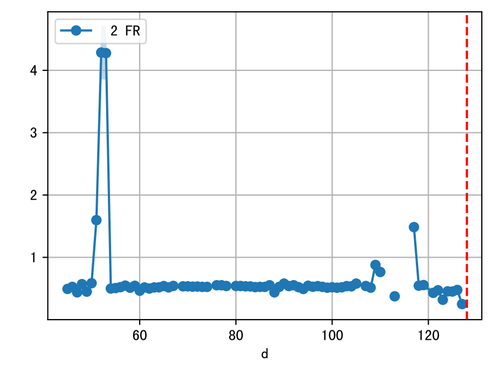

1 VI vs Du
DU

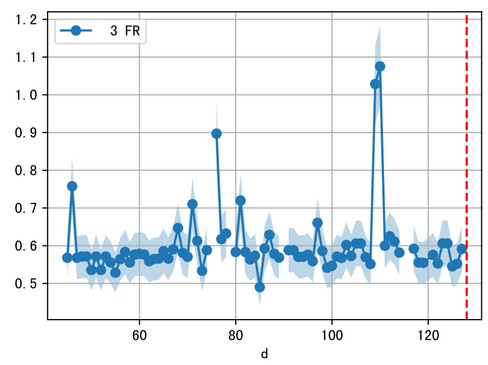

2 VI vs Du
DU

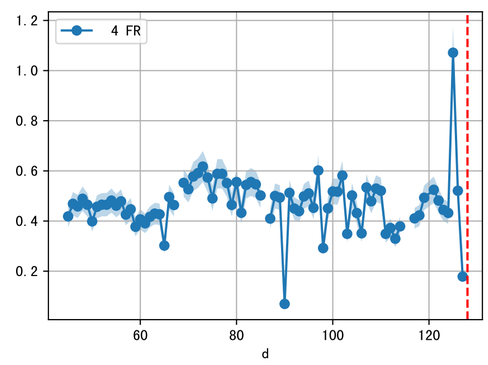

3 VI vs Du
DU

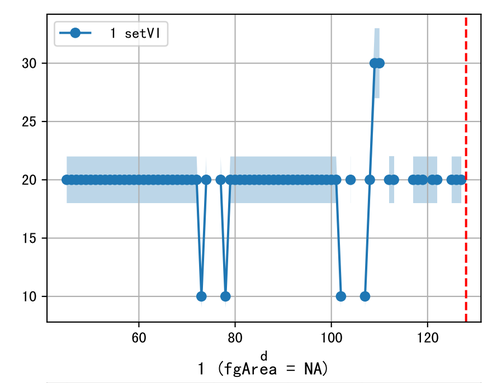

4 VI vs Du
DU

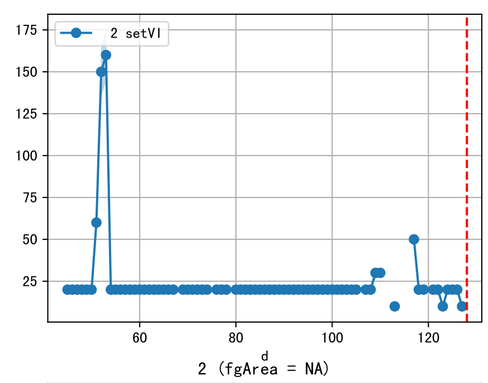

1 FR
d

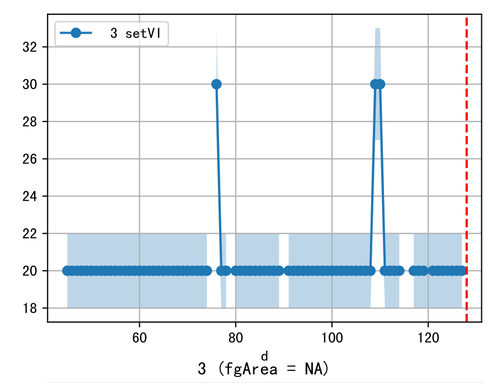

2 FR
d

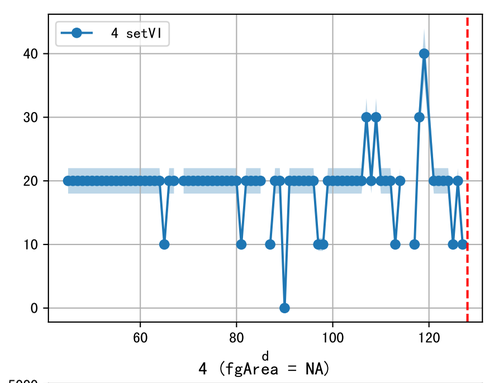

3 FR
d

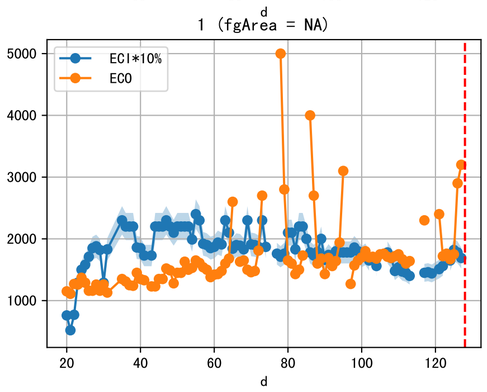

4 FR
d

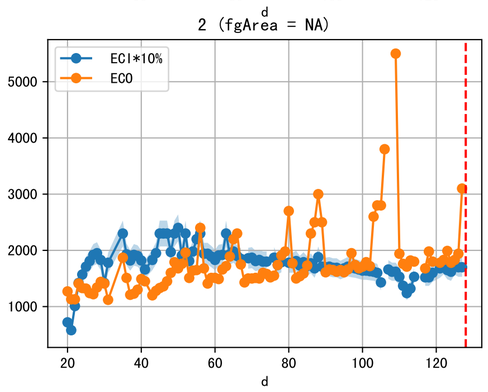

1 setVI
d

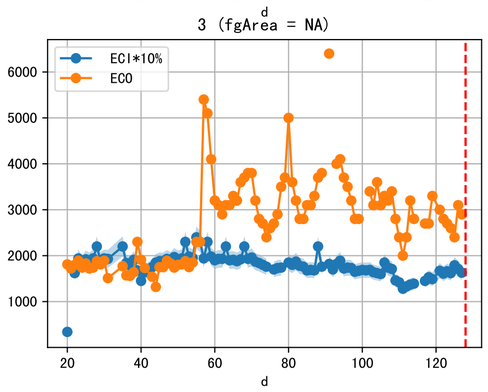

2 setVI
d

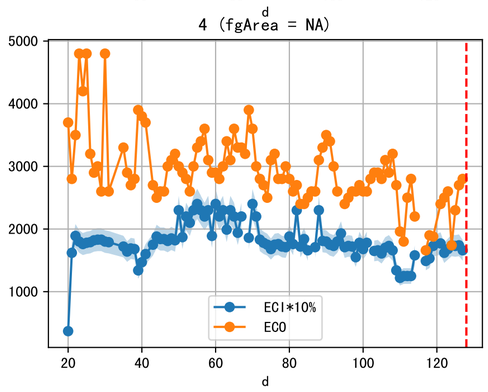

3 setVI
d

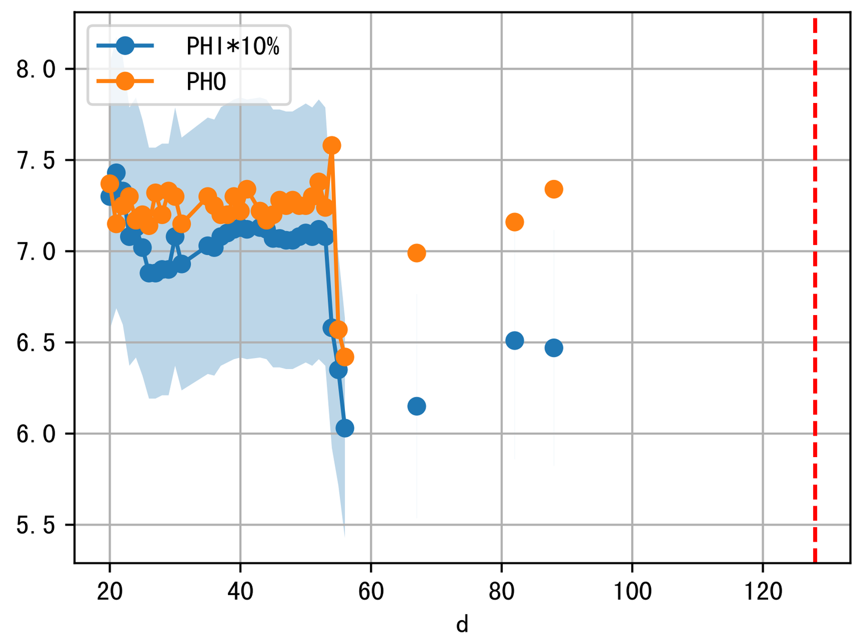

4 setVI
d

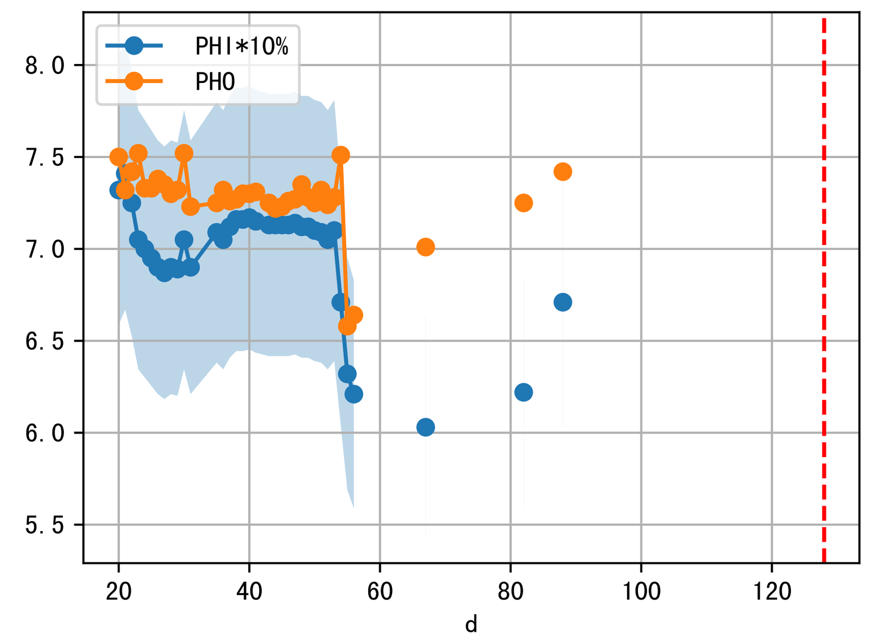

1 (fgArea = NA)
ECI*10%
ECO
d

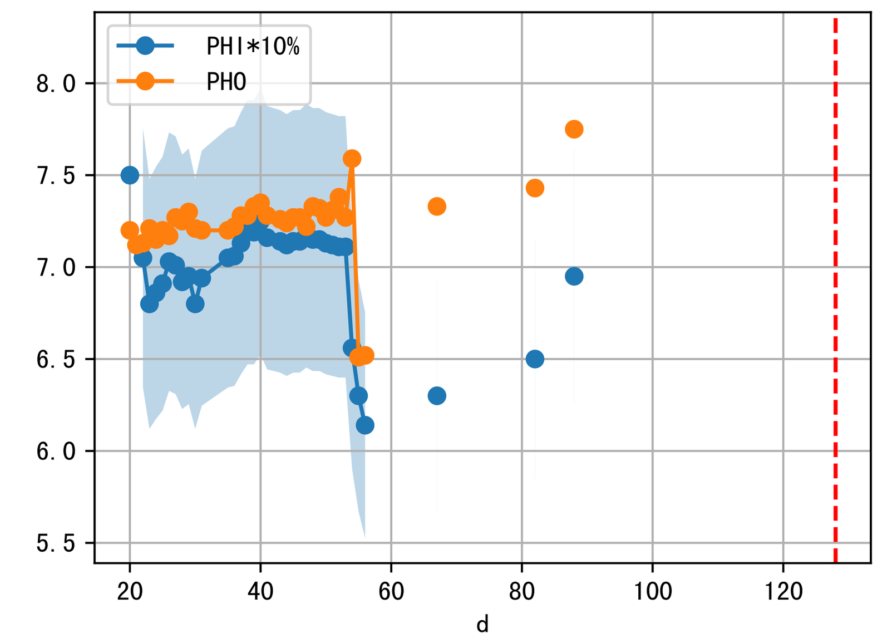

2 (fgArea = NA)
ECI*10%
ECO
d

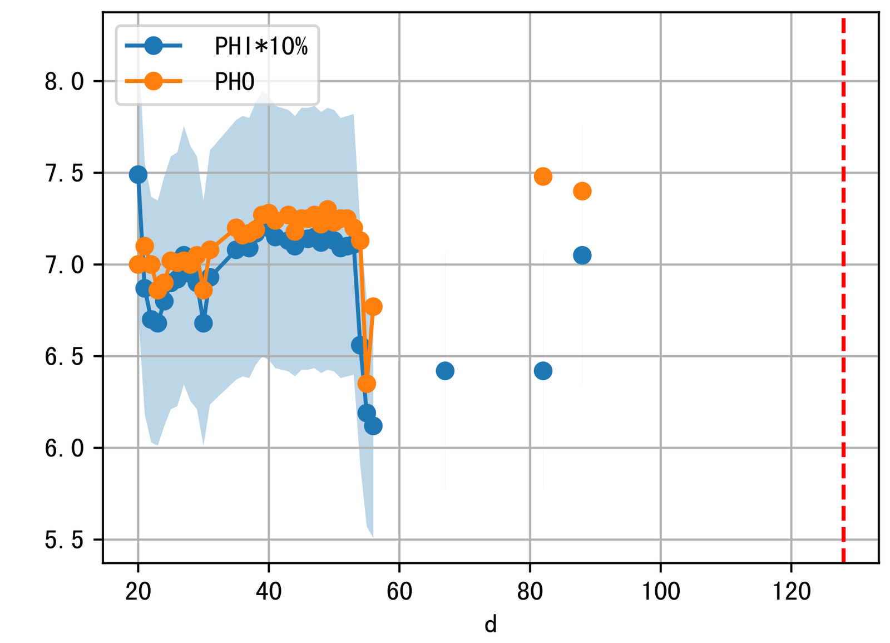

3 (fgArea = NA)
ECI*10%
ECO
d

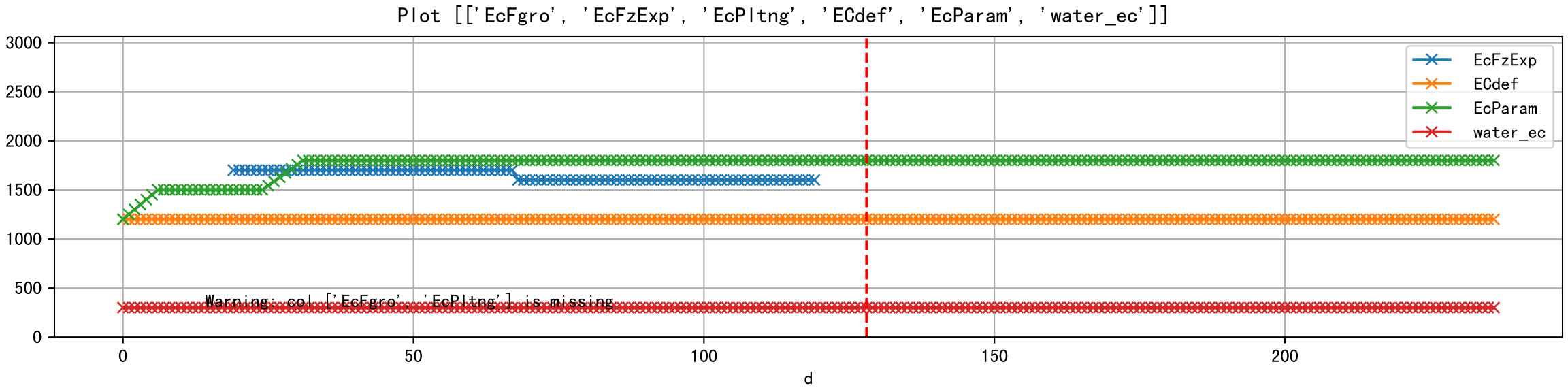

4 (fgArea = NA)
ECI*10%
ECO
d

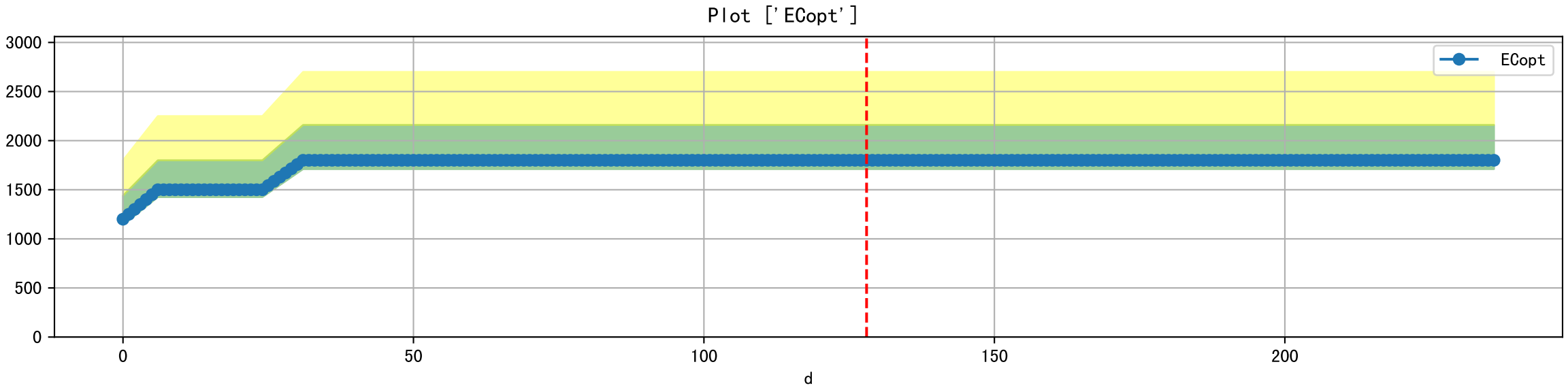

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

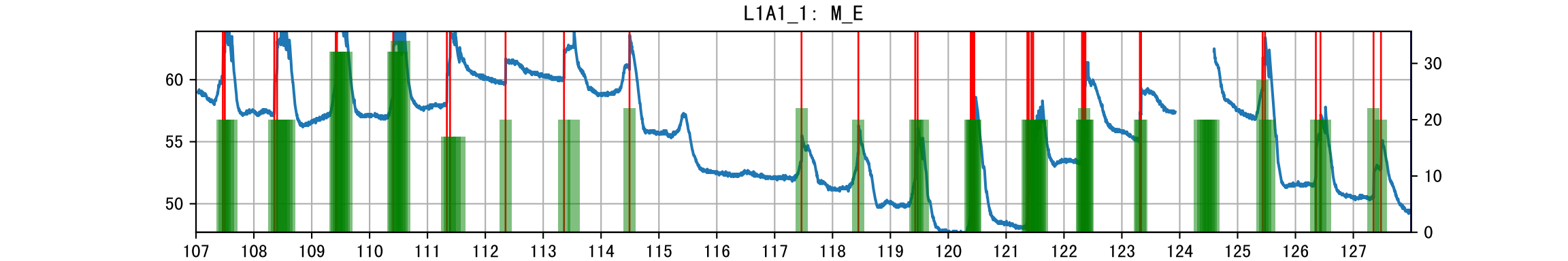

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

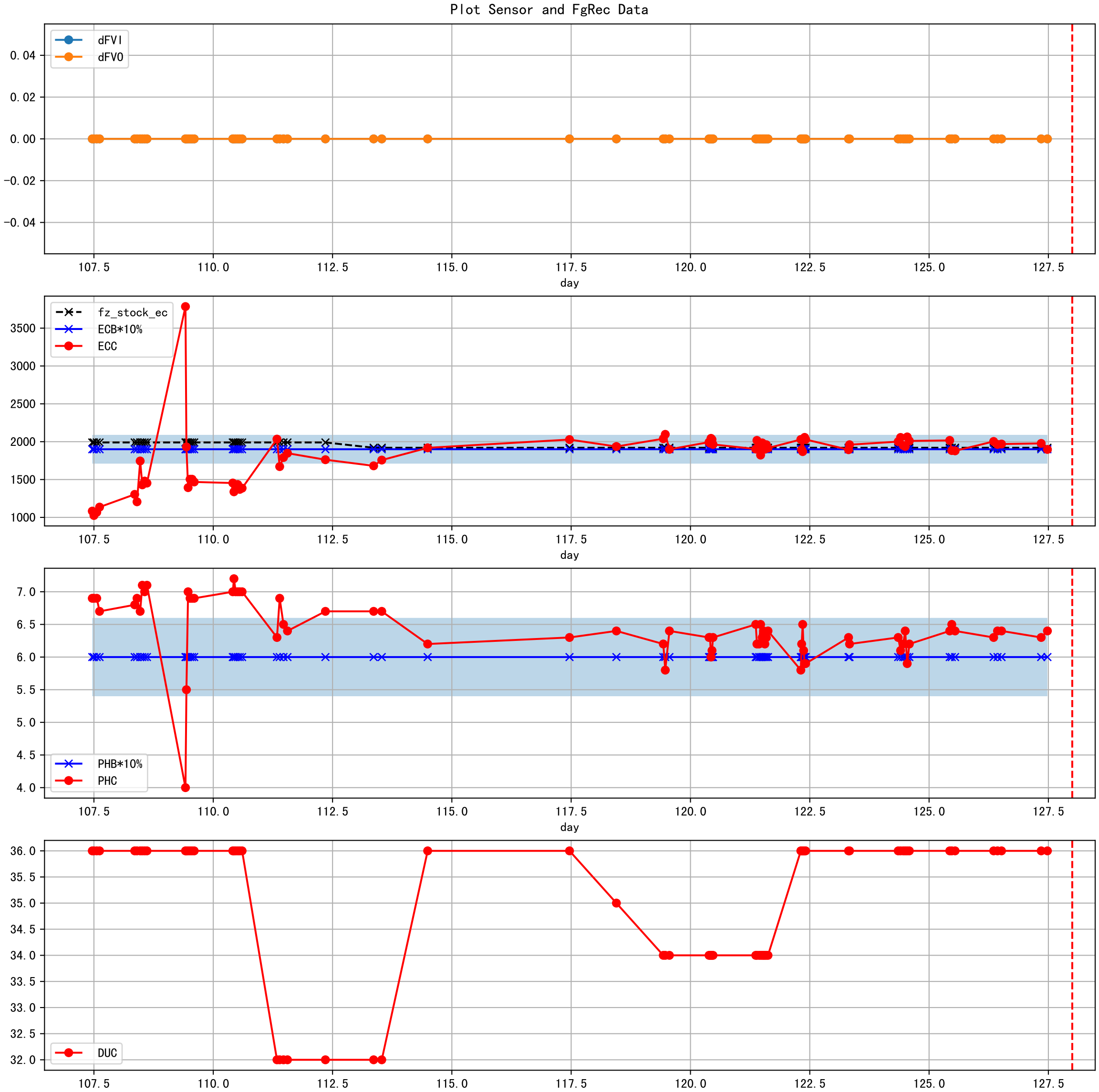

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

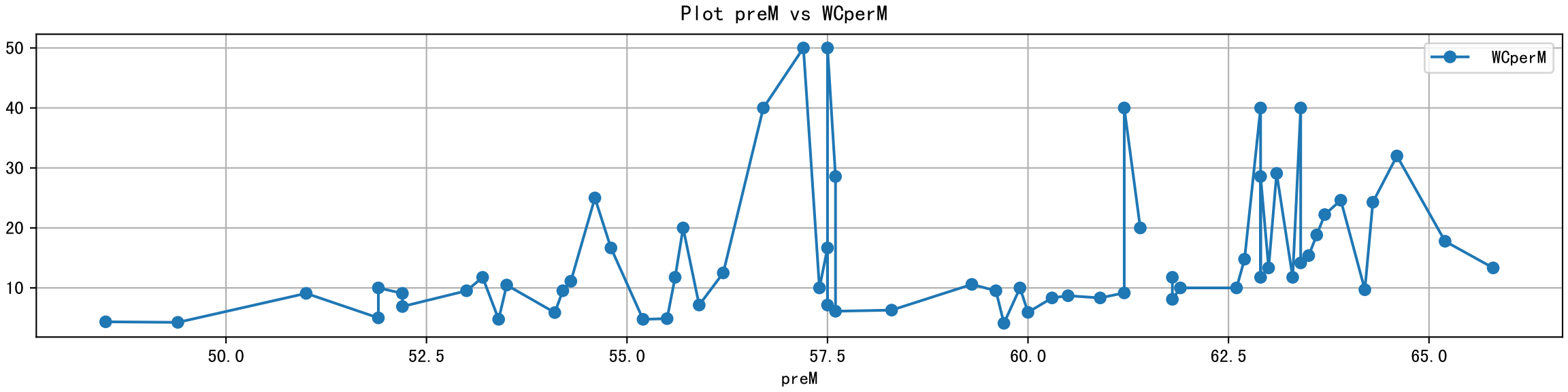

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

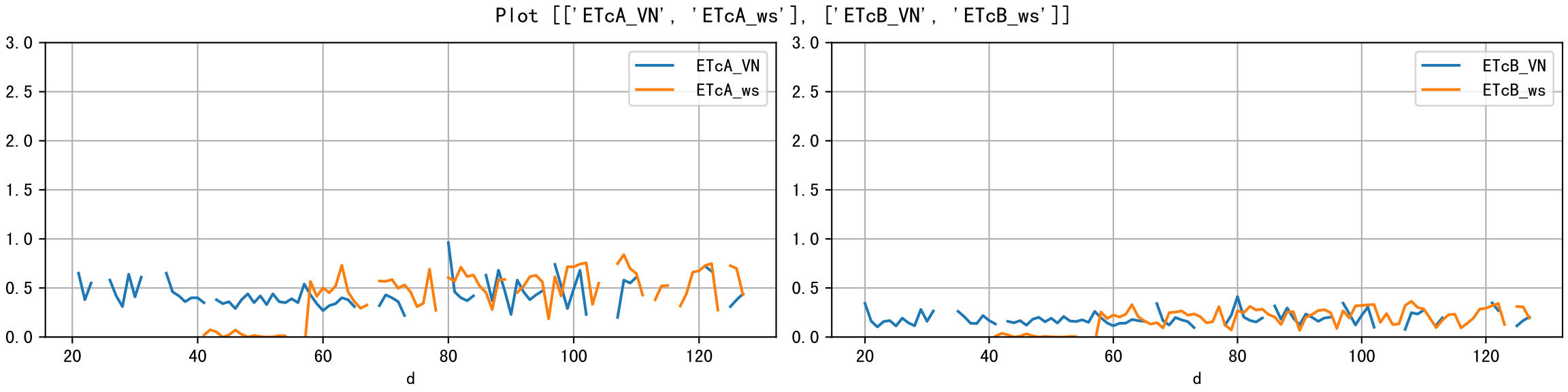

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

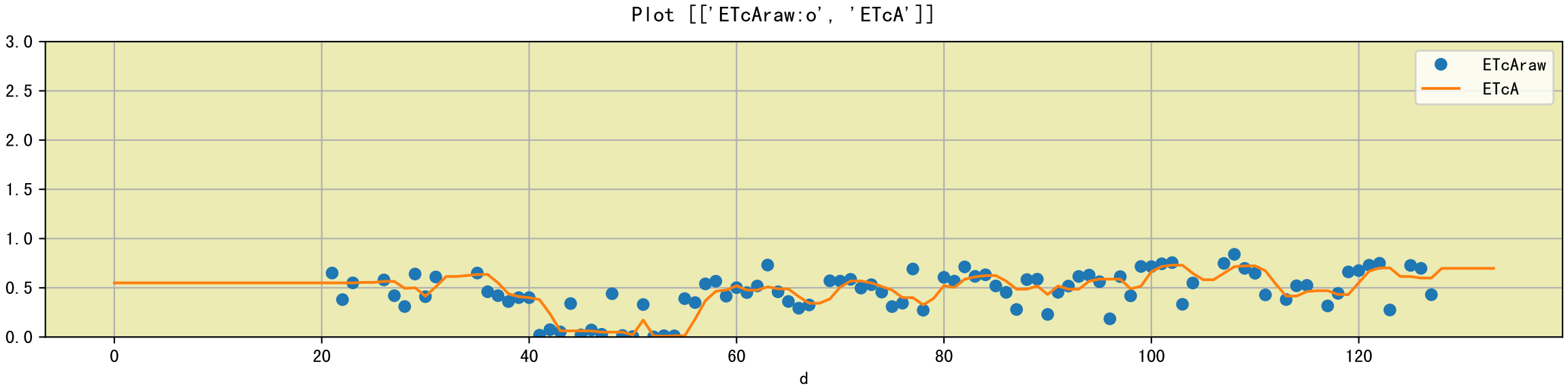

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

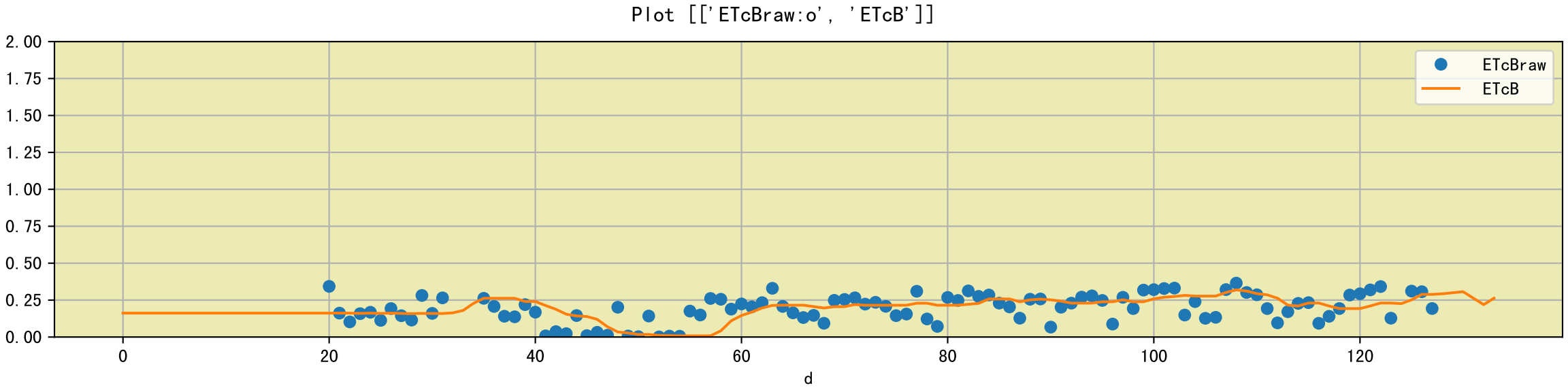

L1A1_1: M_E
60
55
50
30
20
10
0
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127


Plot Sensor and FgRec Data
dFVI
dFVO
0.04
0.02
0.00
-0.02
-0.04
107.5
110.0
112.5
115.0
117.5
120.0
122.5
125.0
127.5
day
fz_stock_ec
ECB*10%
ECC
3500
3000
2500
2000
1500
1000
day
PHB*10%
PHC
7.0
6.5
6.0
5.5
5.0
4.5
4.0
day
DUC
36.0
35.5
35.0
34.5
34.0
33.5
33.0
32.5
32.0
day
FRV
32.5
30.0
27.5
25.0
22.5
20.0
17.5
day
FRC
0.9
0.8
0.7
0.6
day
fw
8.6
8.4
8.2
8.0
7.8
7.6
7.4
7.2
day
WCperM*10%
50
40
30
20
10
day

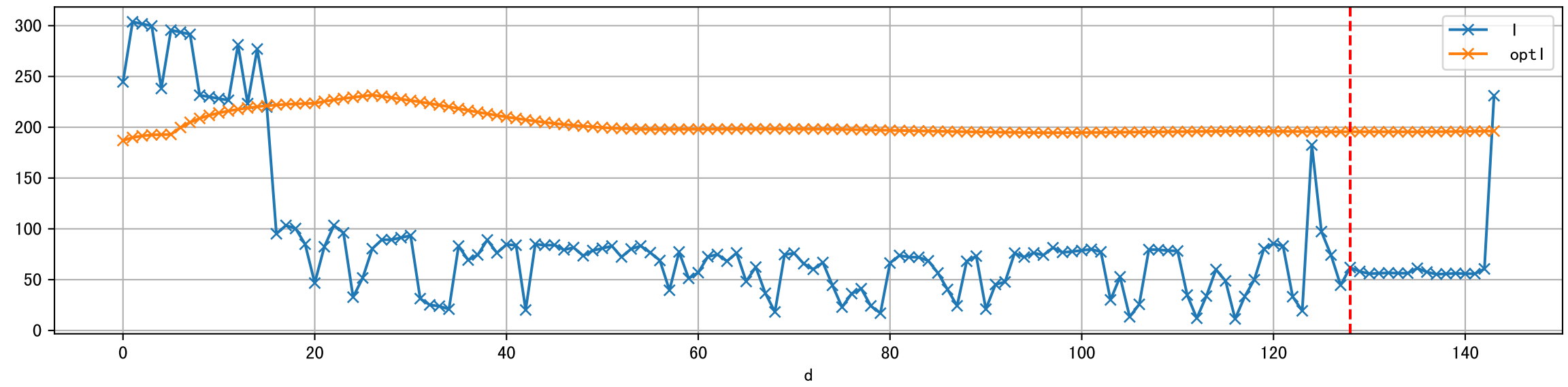

Plot preM vs WCperM
WCperM
50
40
30
20
10
50.0
52.5
55.0
57.5
60.0
62.5
65.0
preM

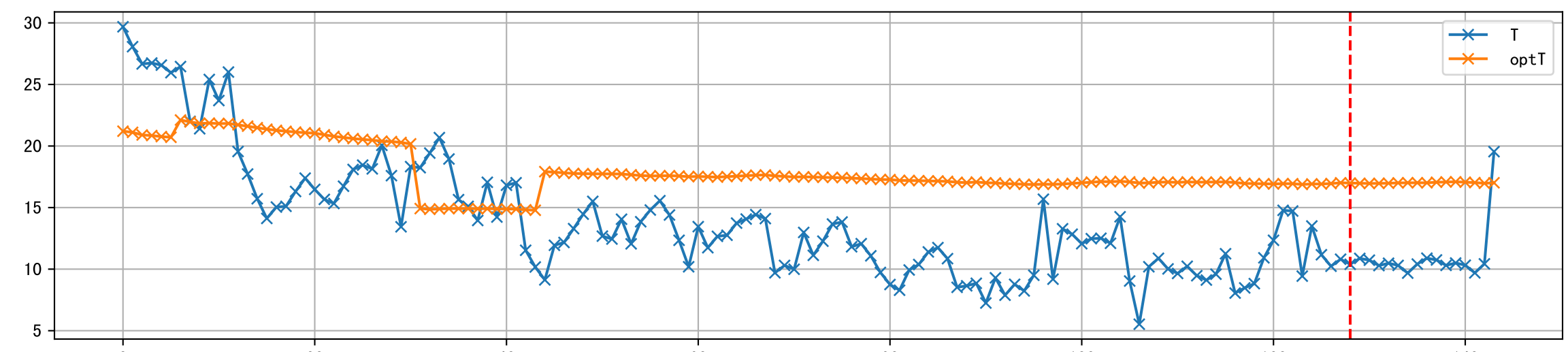

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
d

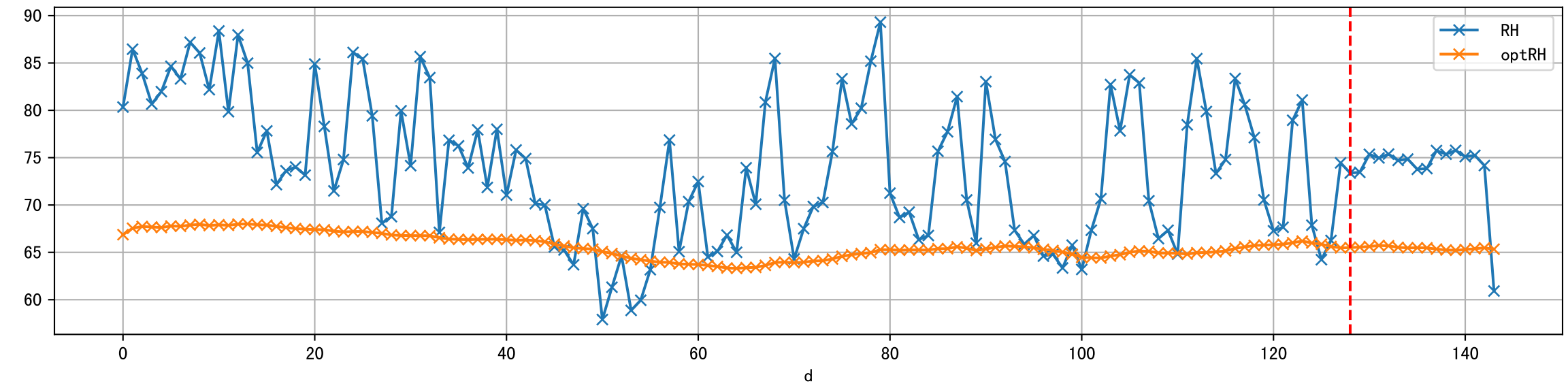

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
d
ETcAraw
ETcA

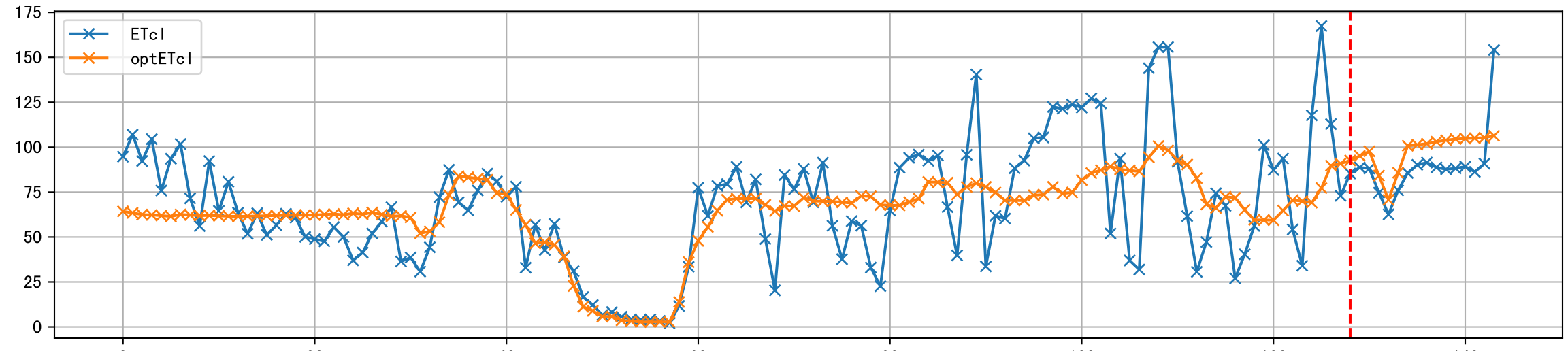

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
d
ETcBraw
ETcB

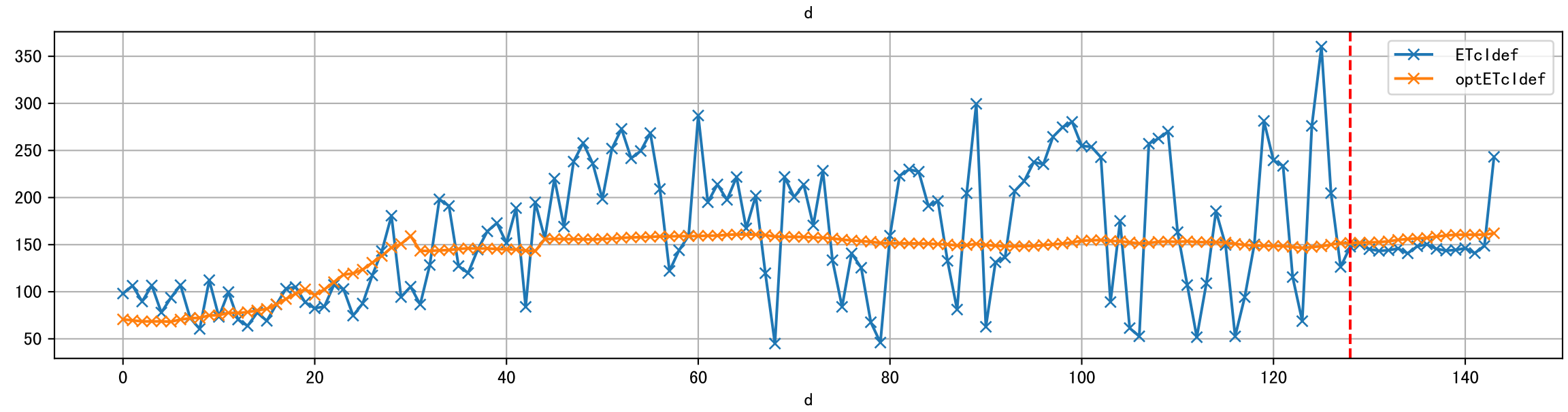
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

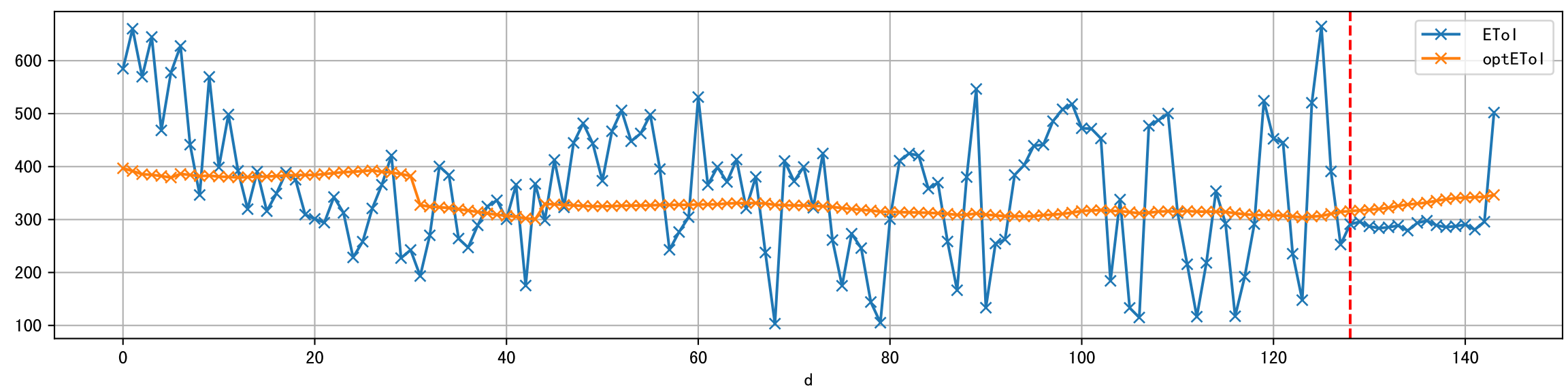


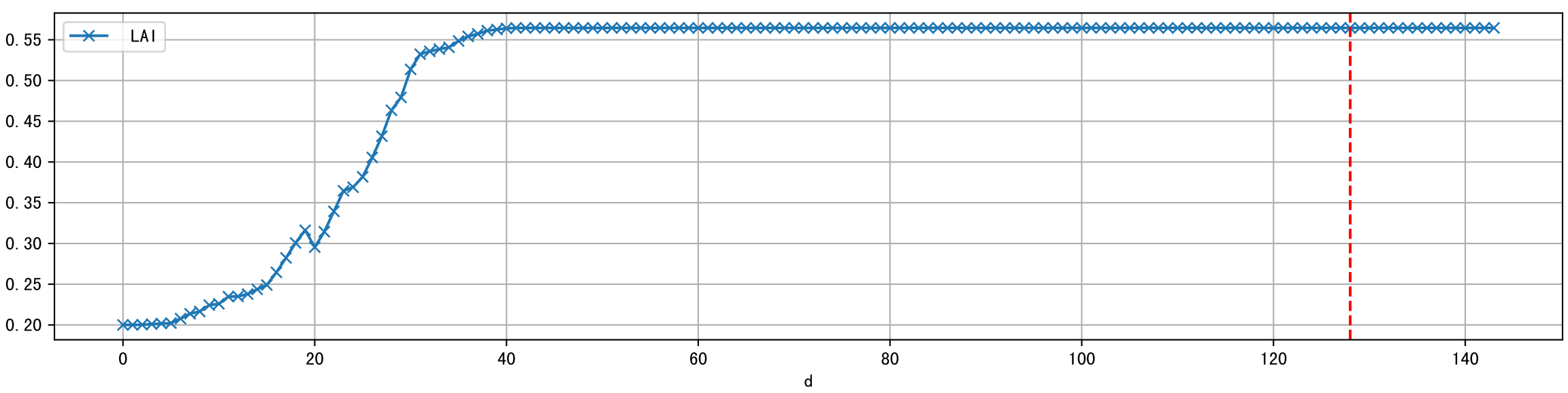


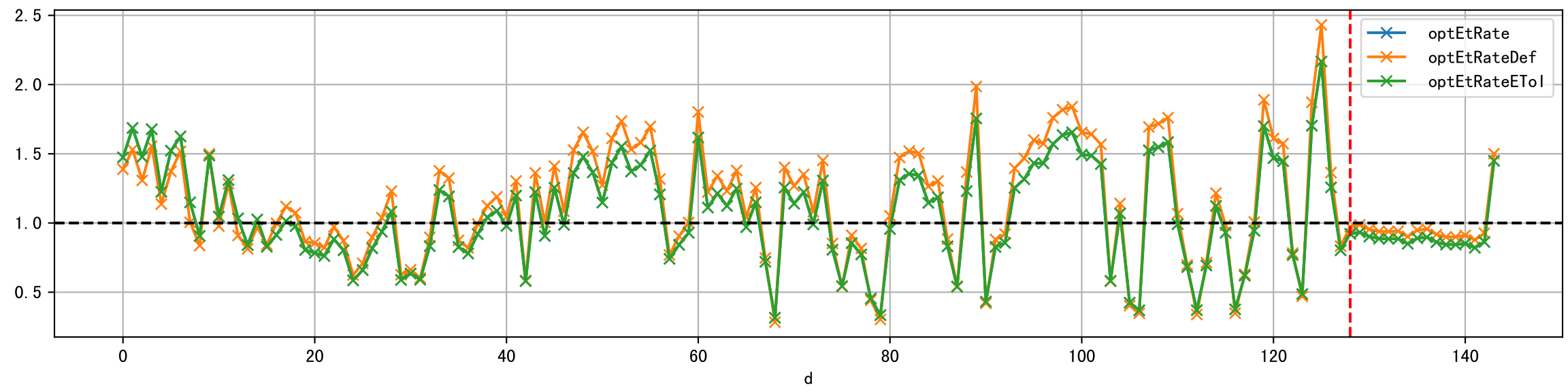


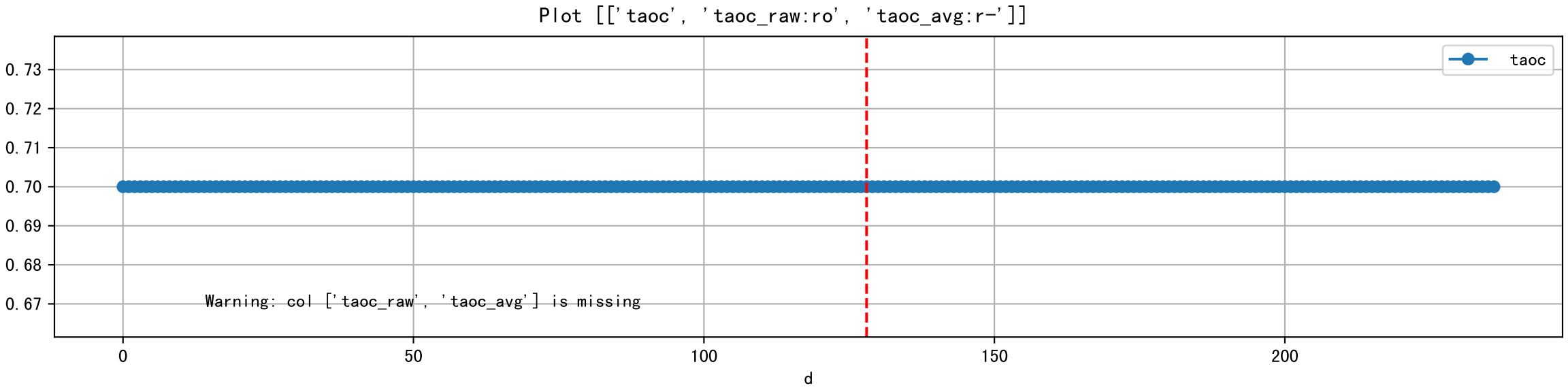


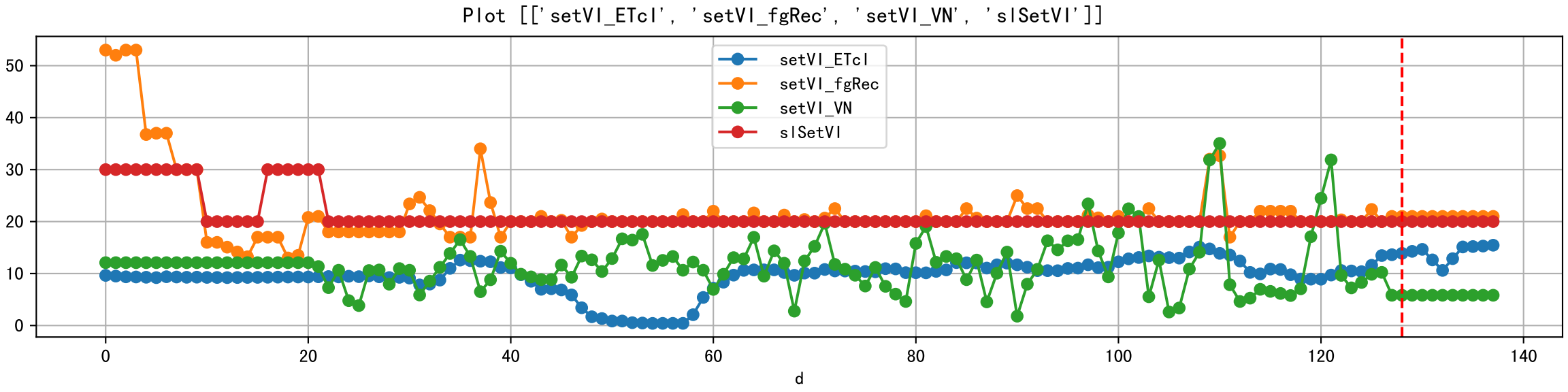


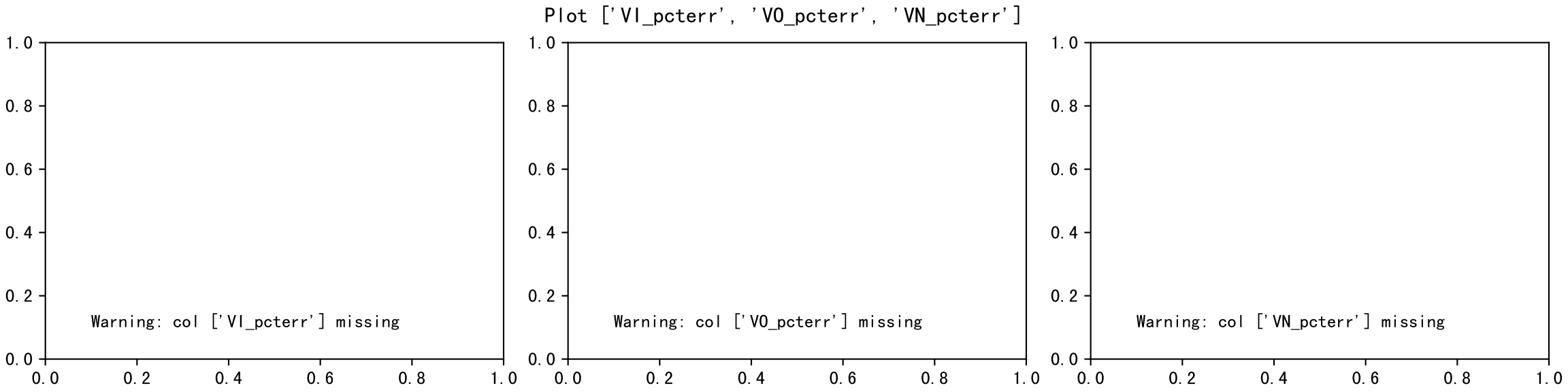


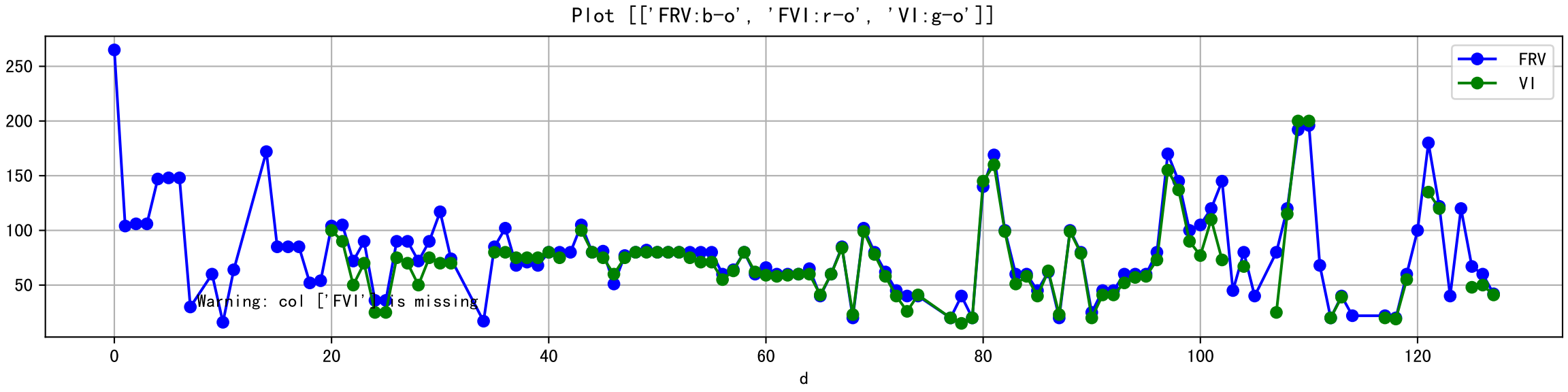


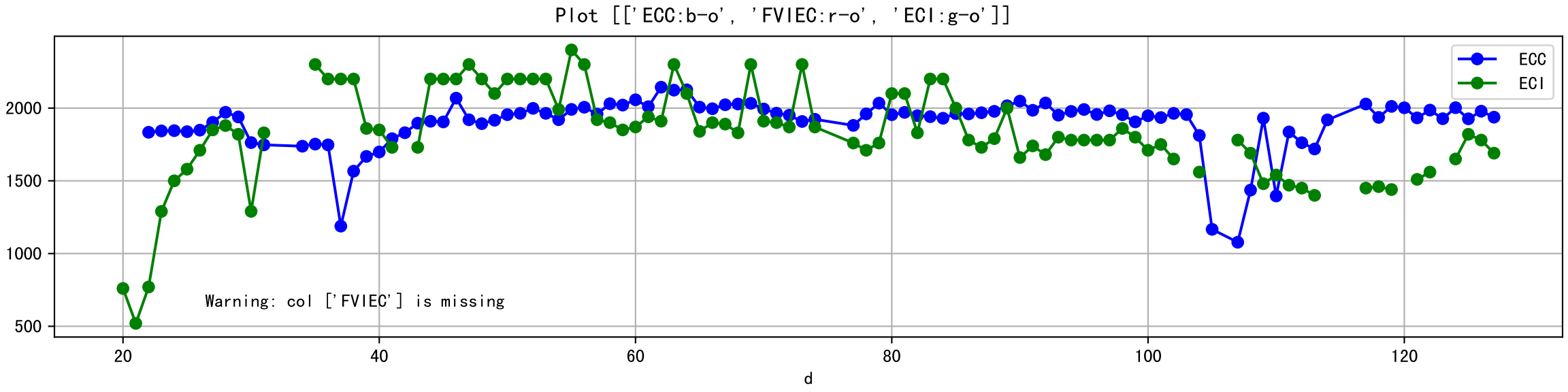


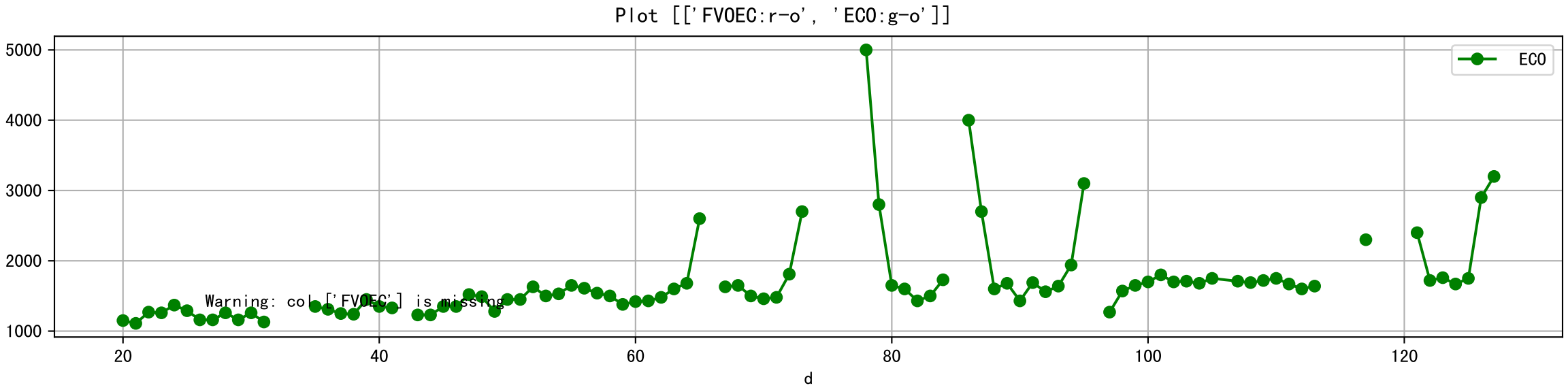

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

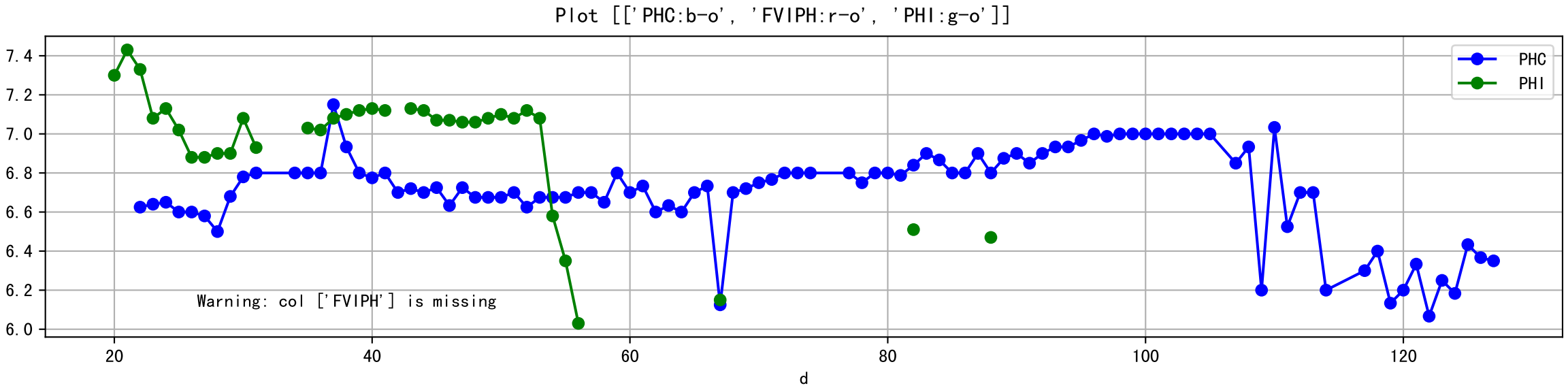

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
d

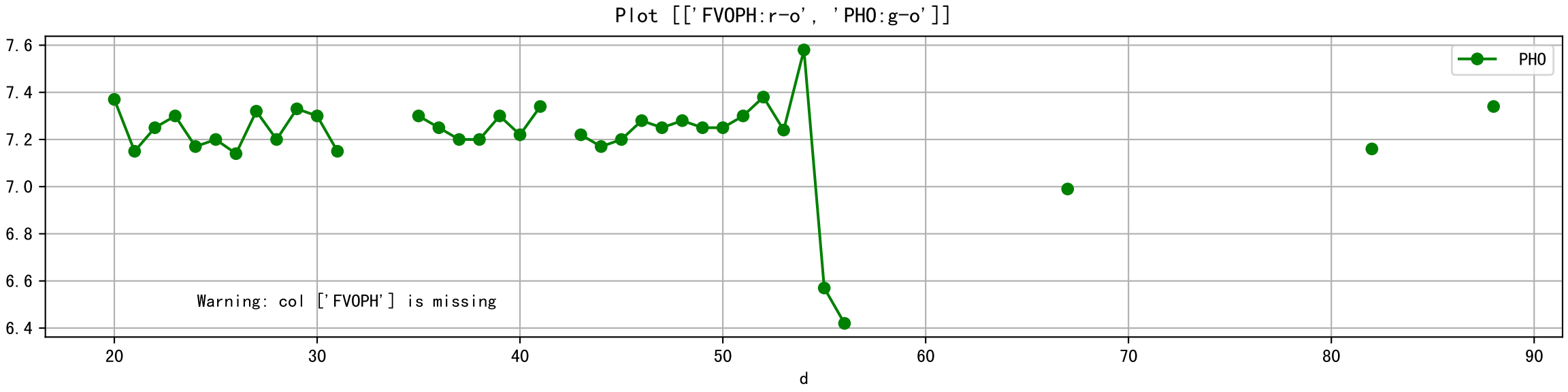

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

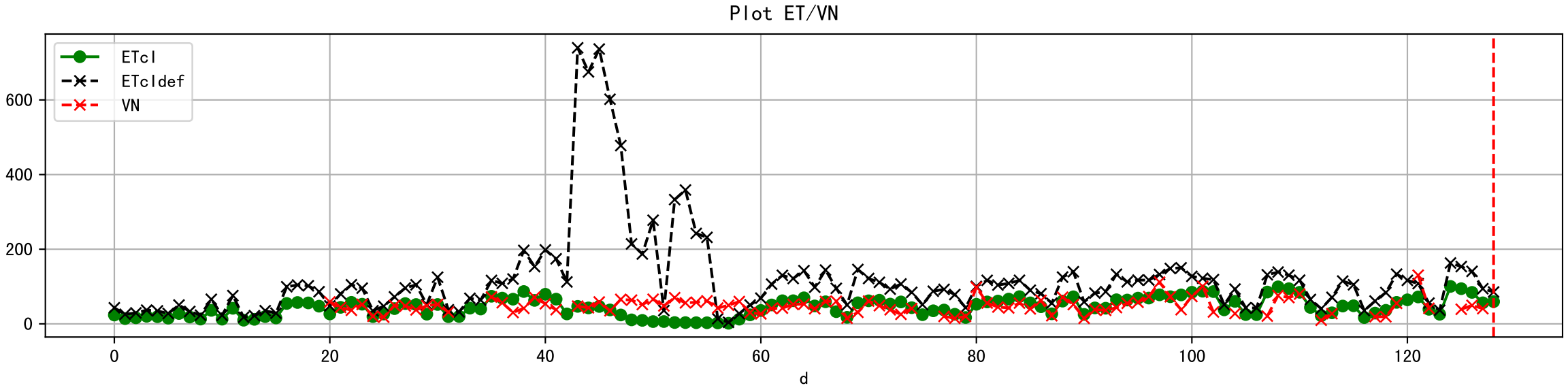

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
250
200
150
100
50
0
20
40
60
80
100
120
d

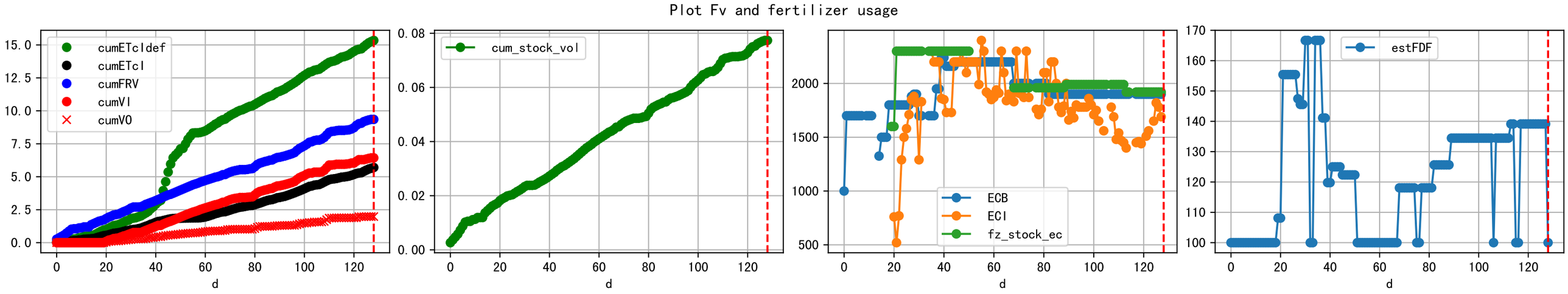

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2000
1500
1000
500
20
40
60
80
100
120
d

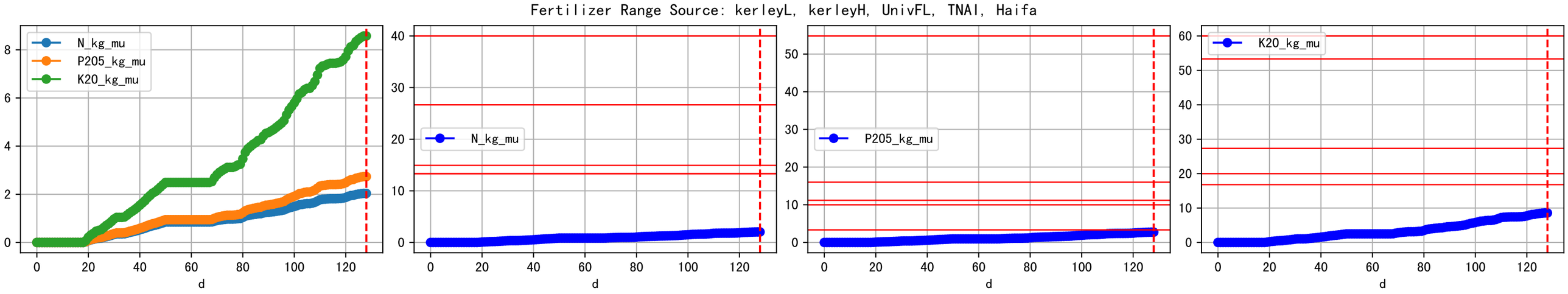

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
120
d

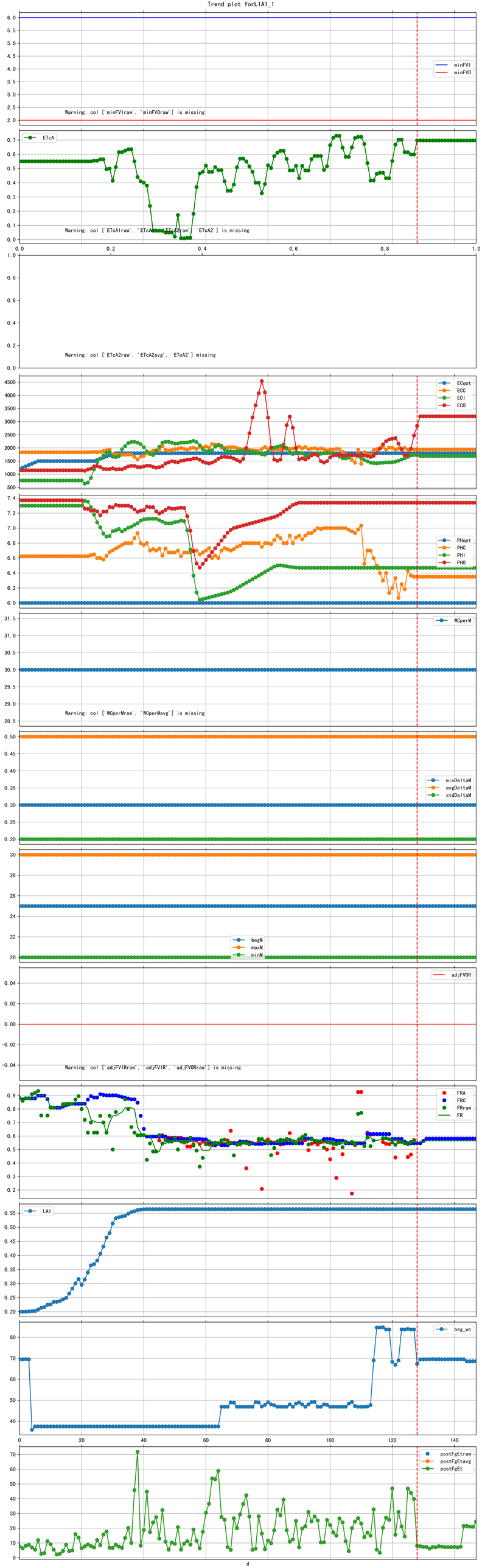

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
120
d

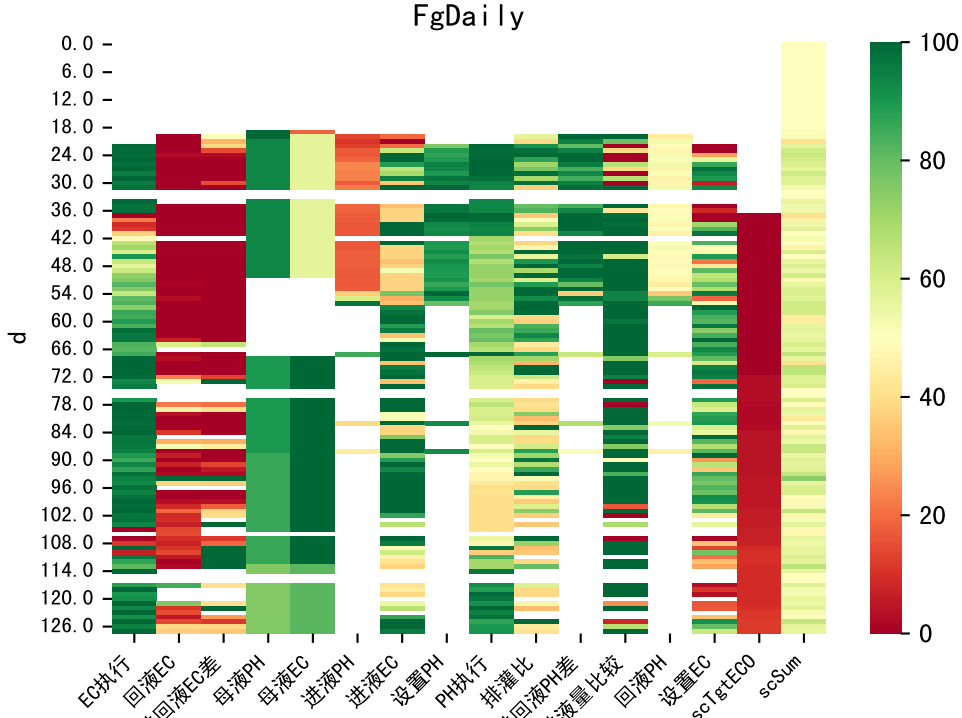

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d


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

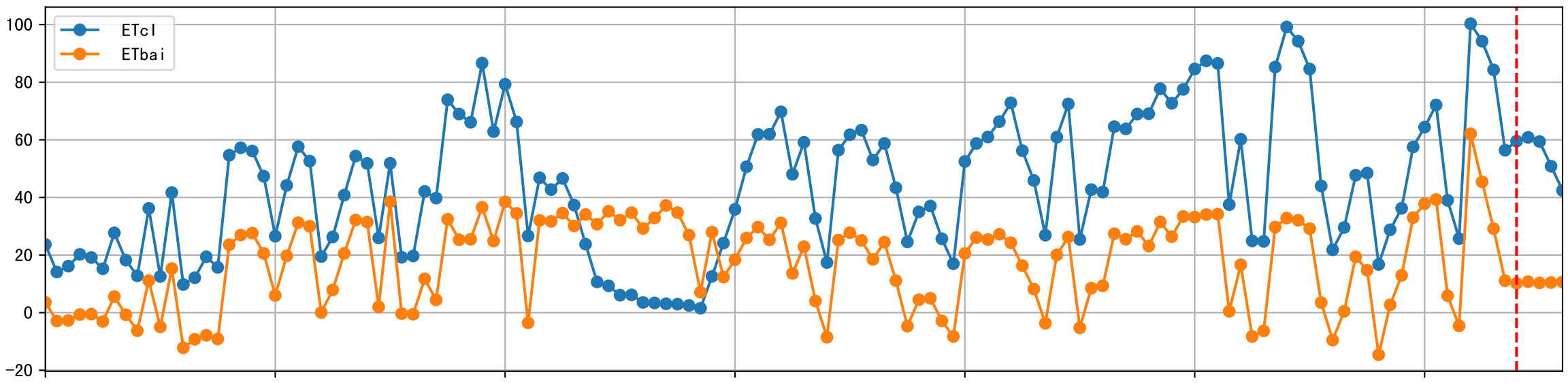

Plot Fv and fertilizer usage
cumETcIdef
cumETcI
cumFRV
cumVI
cumVO
cum_stock_vol
ECB
ECI
fz_stock_ec
estFDF
d
d
d
d

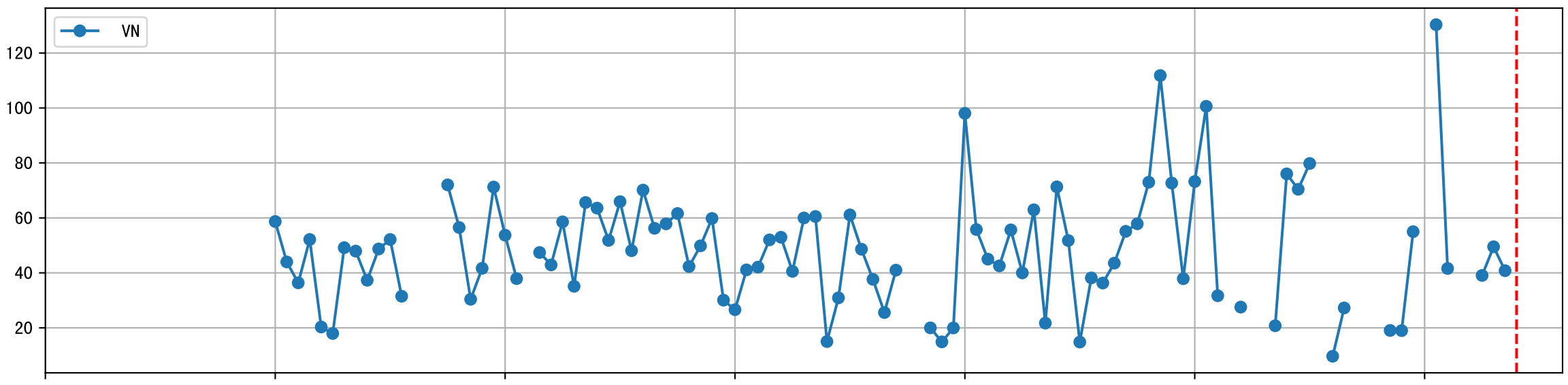

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

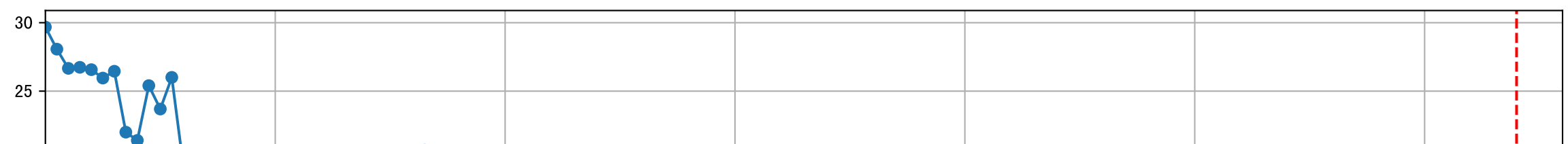

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1avg', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] 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

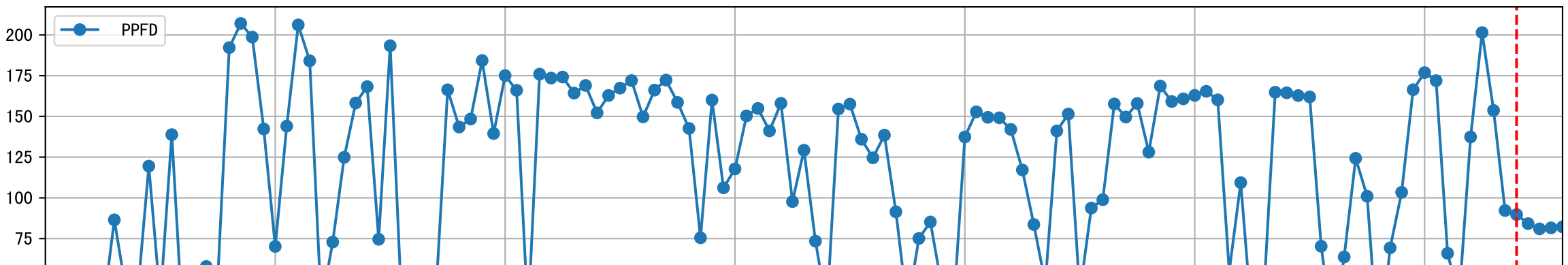

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
114.0
120.0
126.0
100
80
60
40
20
0
EC执行
回液EC
回液EC差
母液PH
母液EC
进液PH
进液EC
设置PH
PH执行
排灌比
回液PH差
灌液量比较
回液PH
设置EC
scTgtEC0
scSum

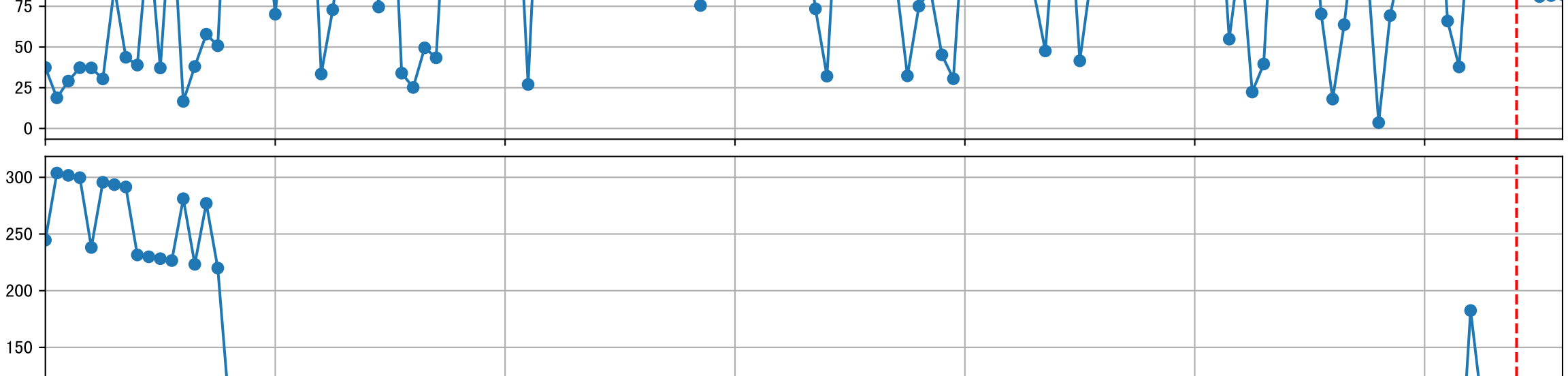
L1A1_1

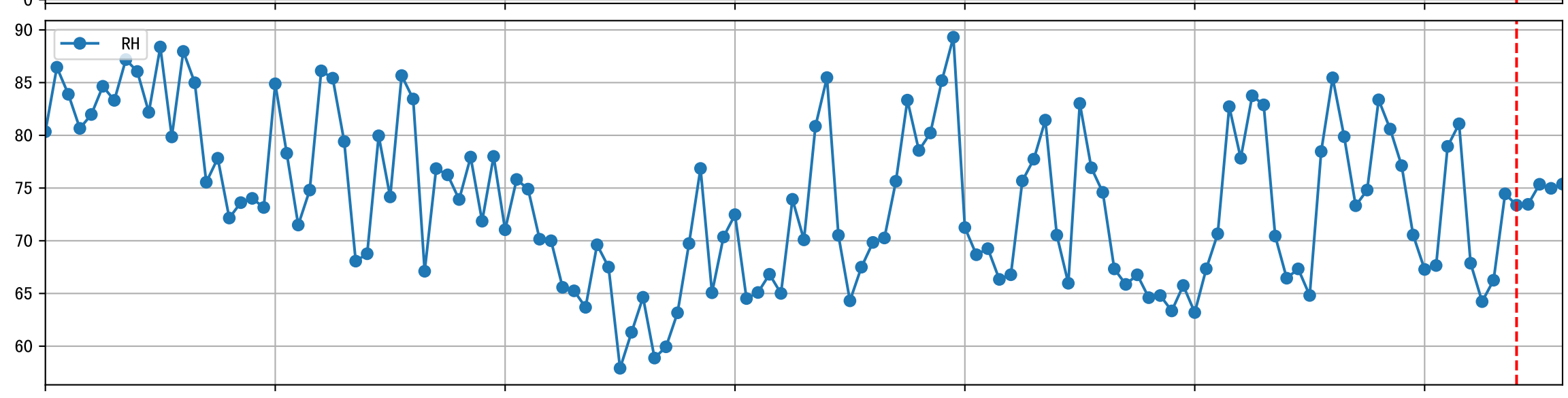


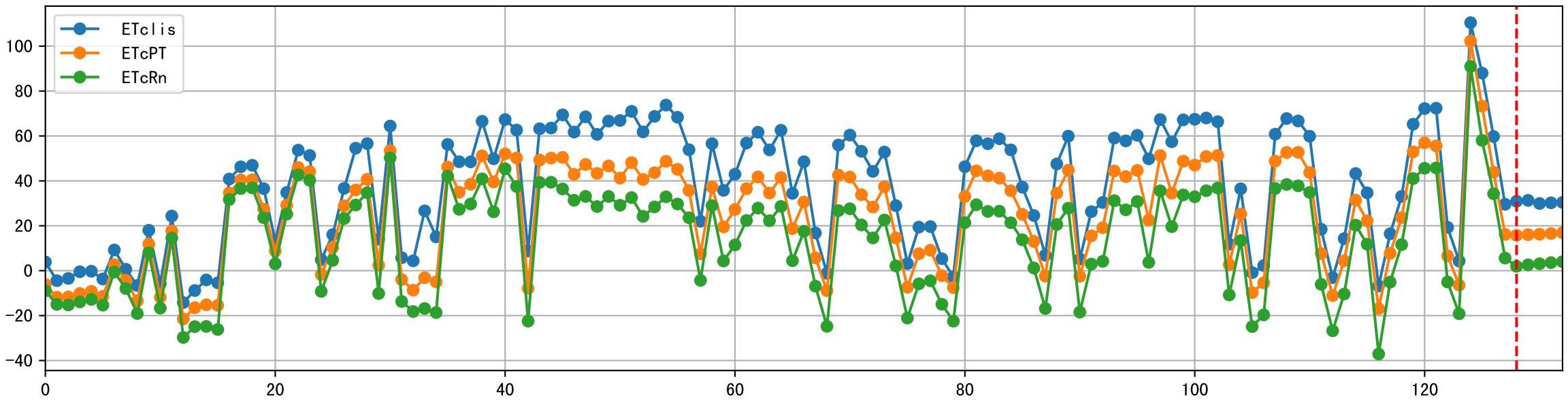




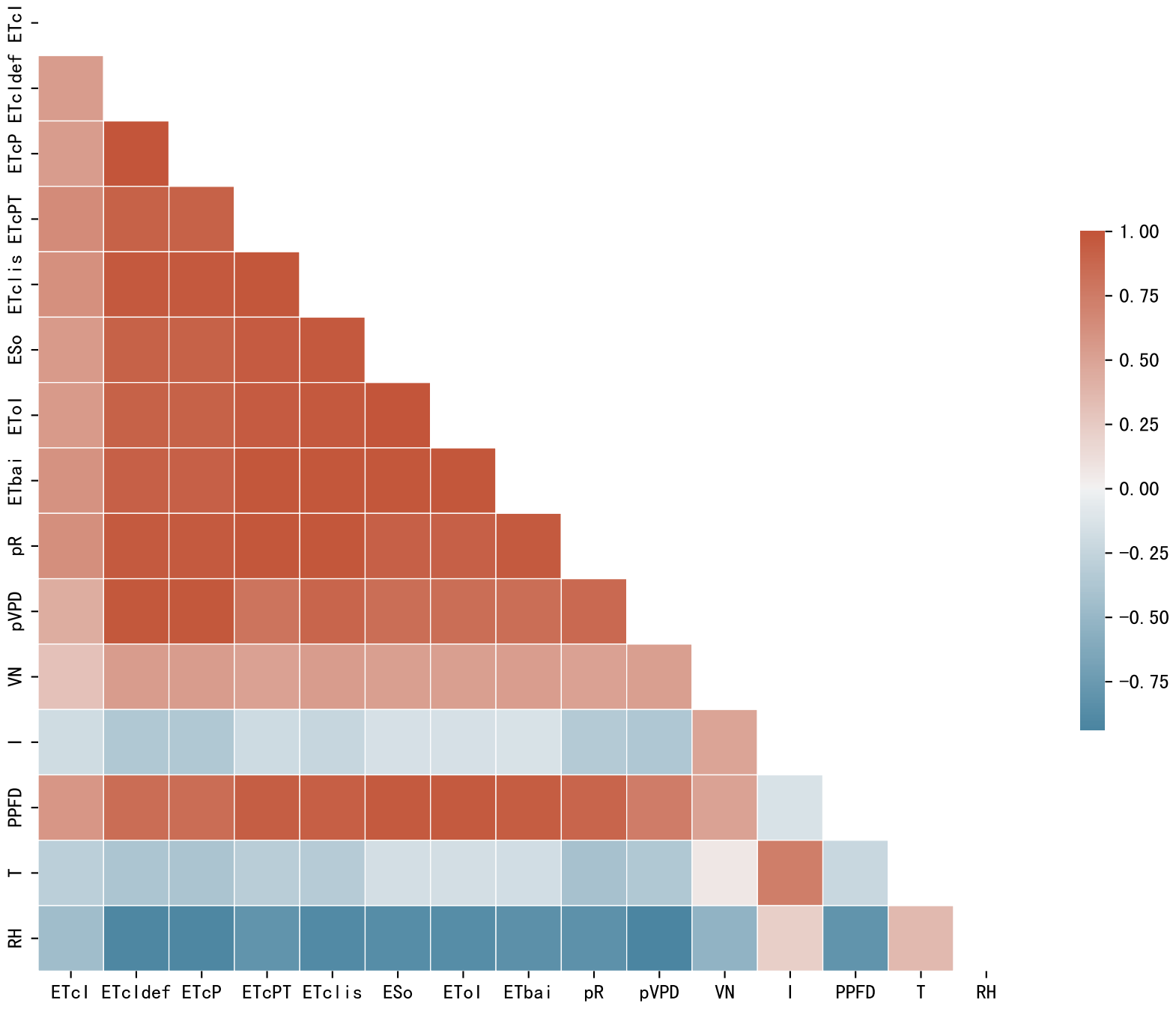


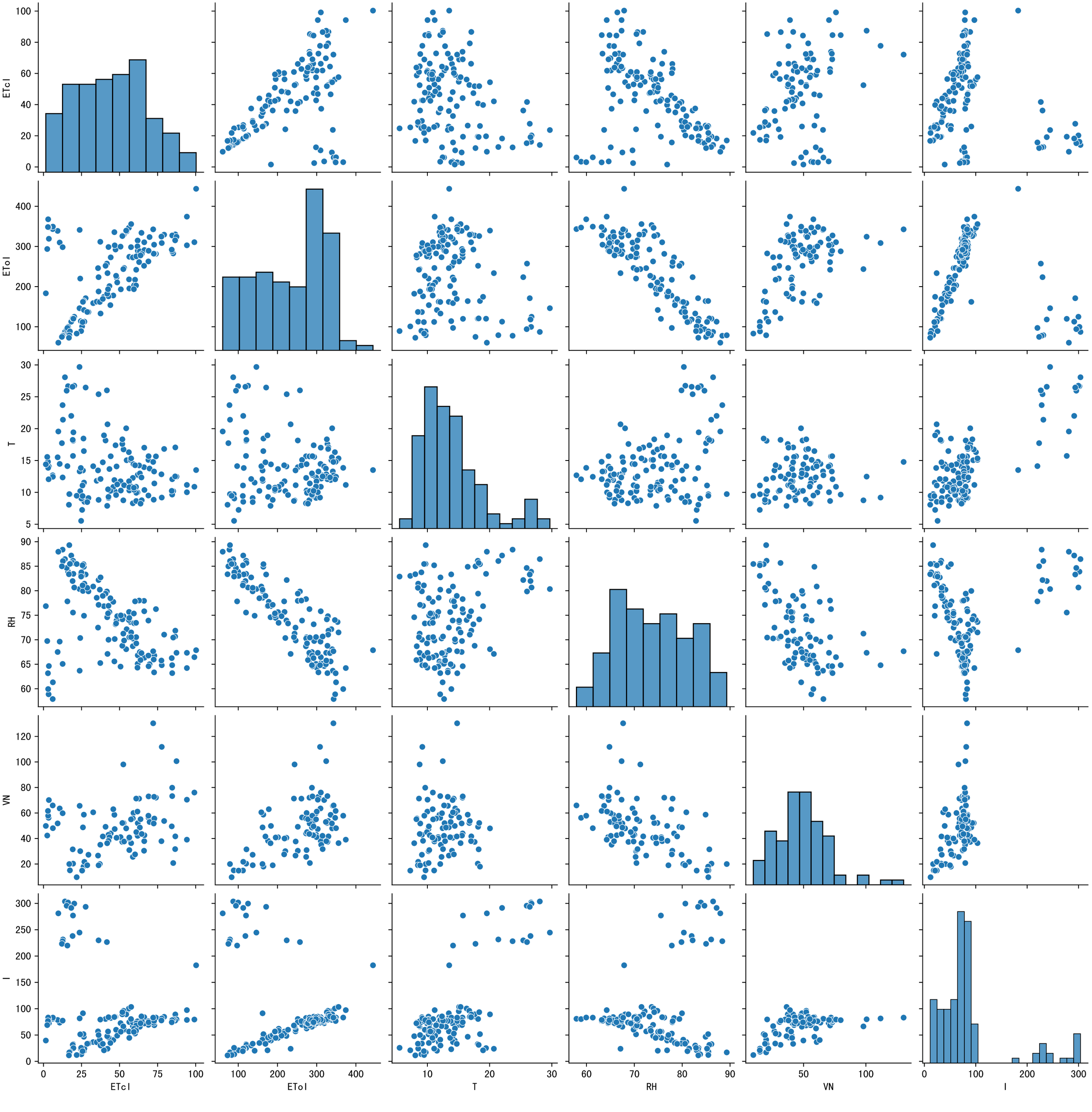


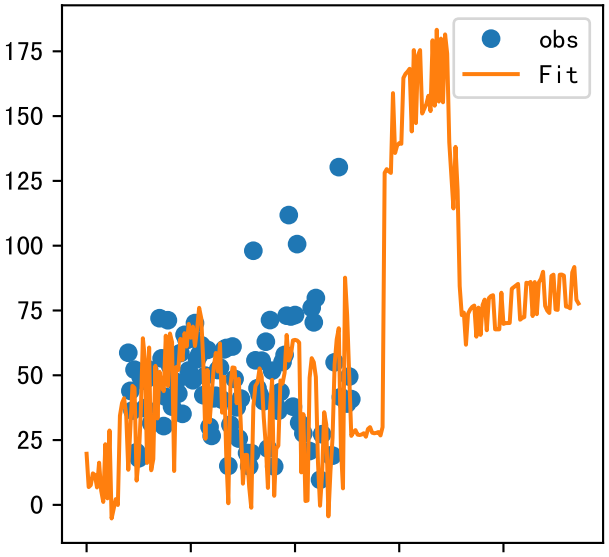


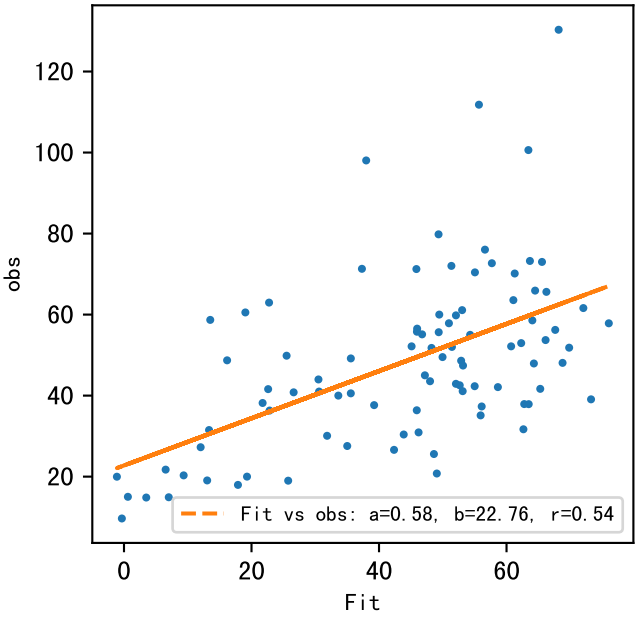


d

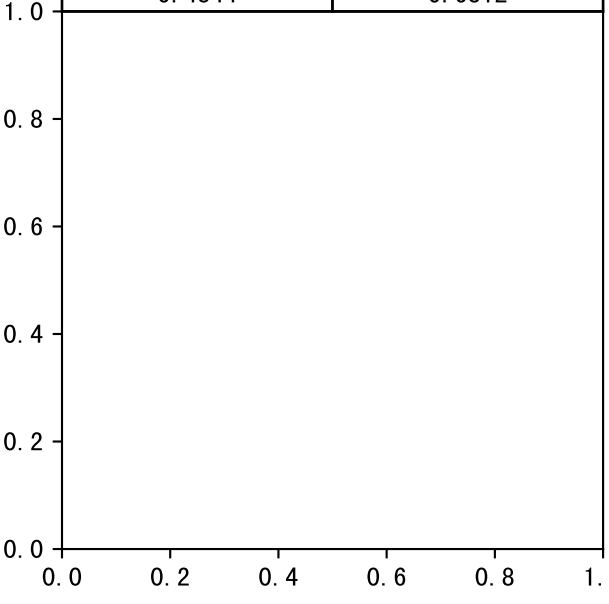

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

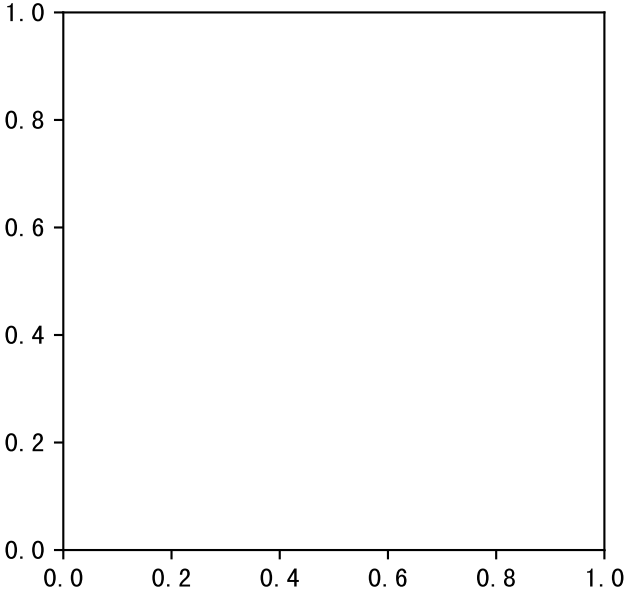

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

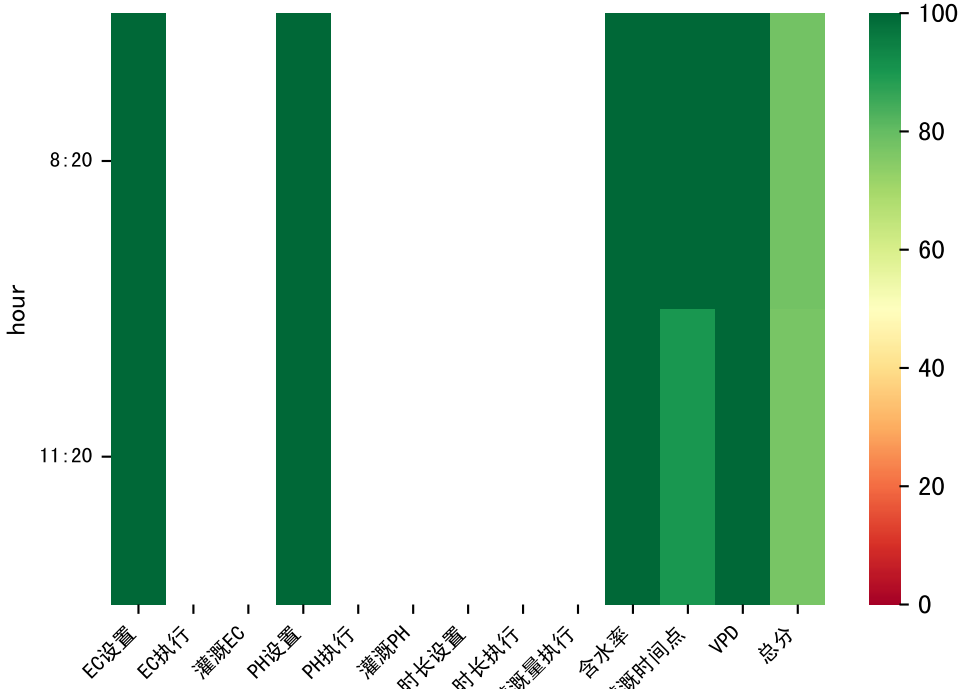




baiA	baiB
0.4344	0.0312

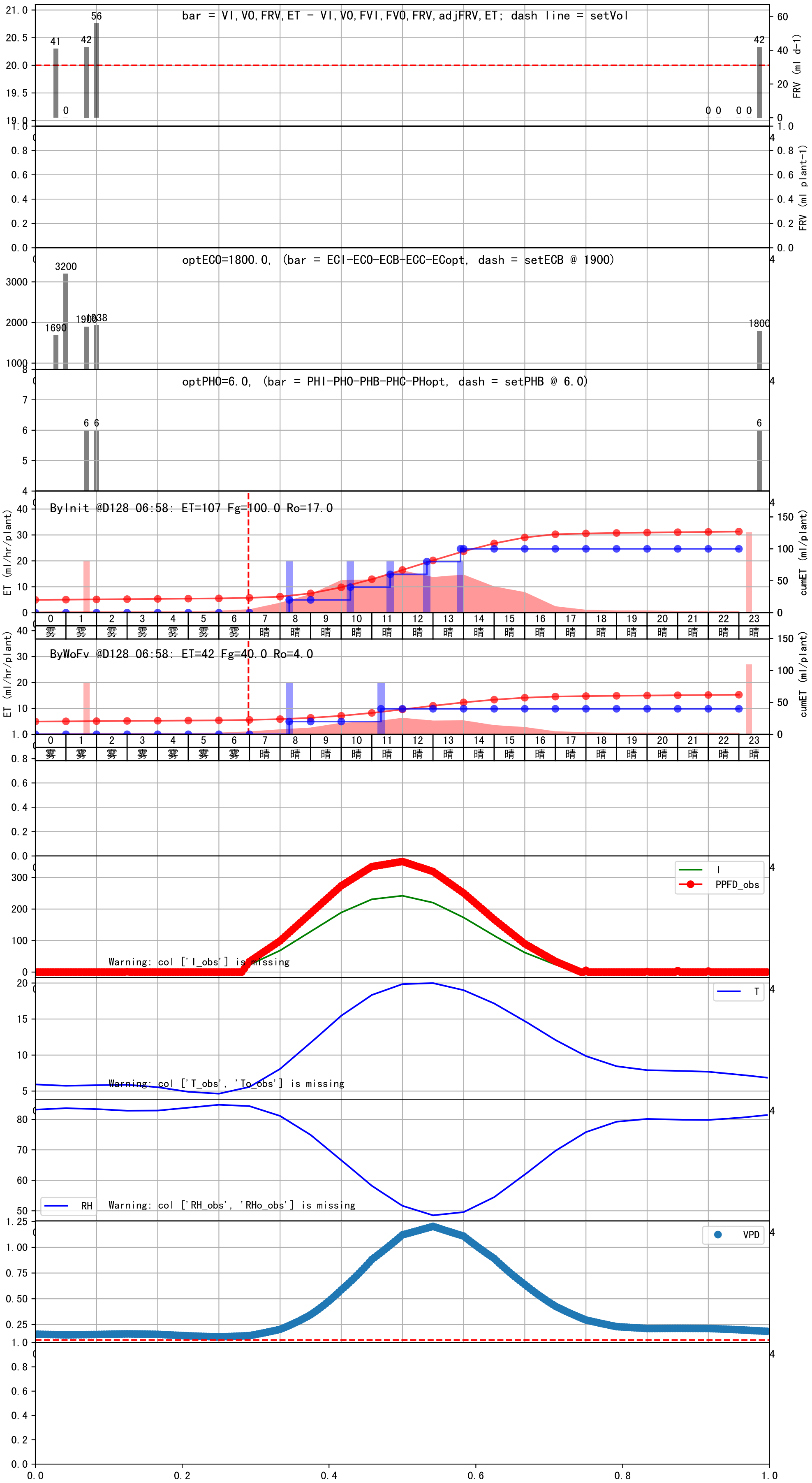


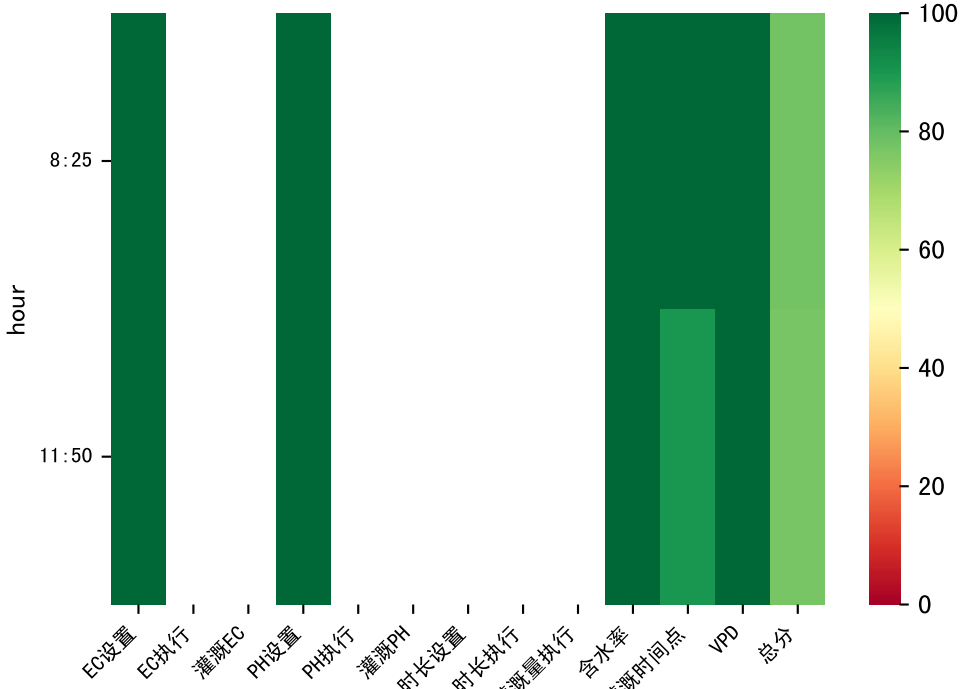



hour
8:20
11:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	晴	预期@08:20 自主（未用传感器）
11:20	36	20.0	0.081	晴	预期@11:20 自主（未用传感器）
总计	72.0 (2次)	40.0			建议进液EC：1900， PH：6.0

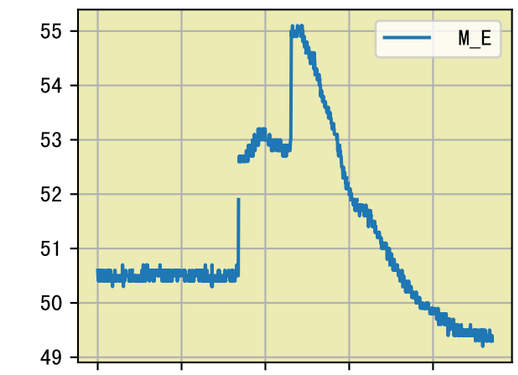
L1A1_1, Day=128 (2026-02-11)

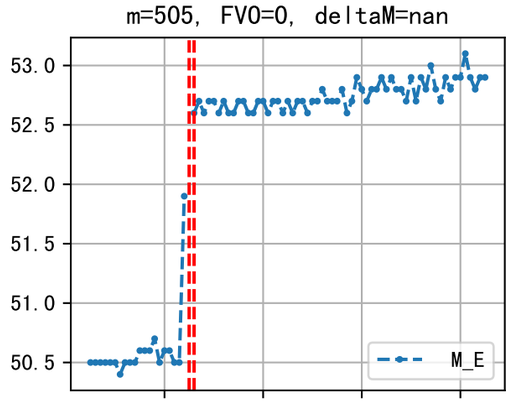


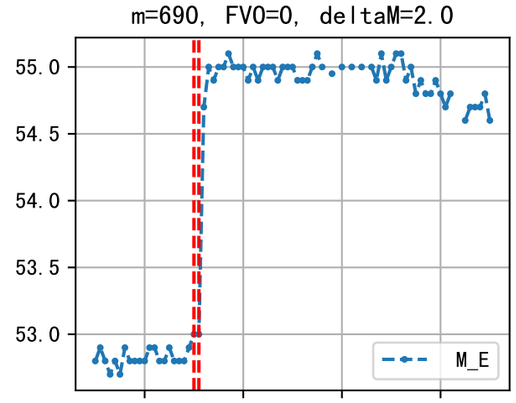

hour
8:25
11:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

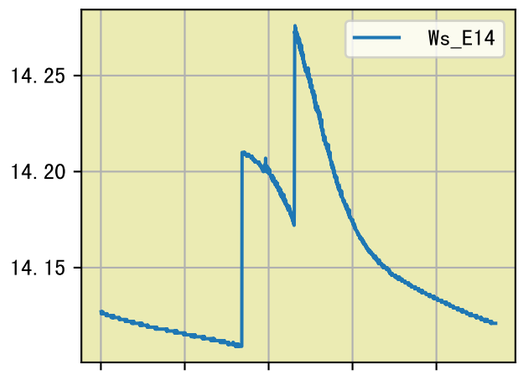
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	36	20.0	0.081	雾	假设@08:25 自动（未用传感器）
11:50	36	20.0	0.081	阴	假设@11:50 自动（未用传感器）
总计	72.0 (2次)	40.0			建议进液EC：1900， PH：6.0

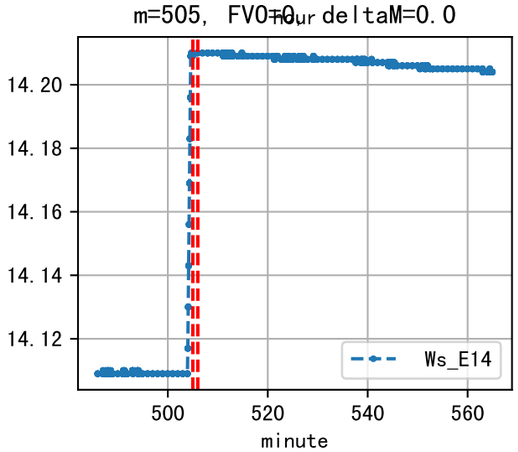
L1A1_1, Day=127.0 (2026-02-10)

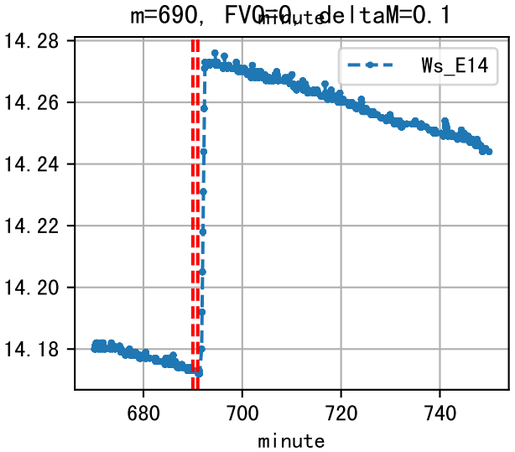

M_E

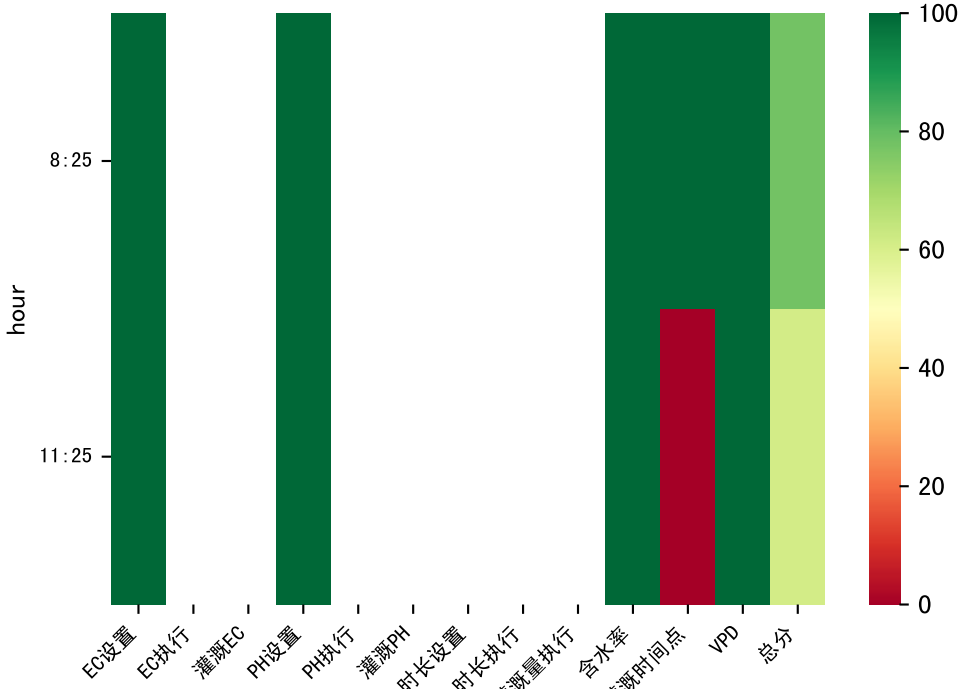

m=505, FV0=0, deltaM=nan
M_E


m=690, FV0=0, deltaM=2.0
M_E
minute


Ws_E14
hour

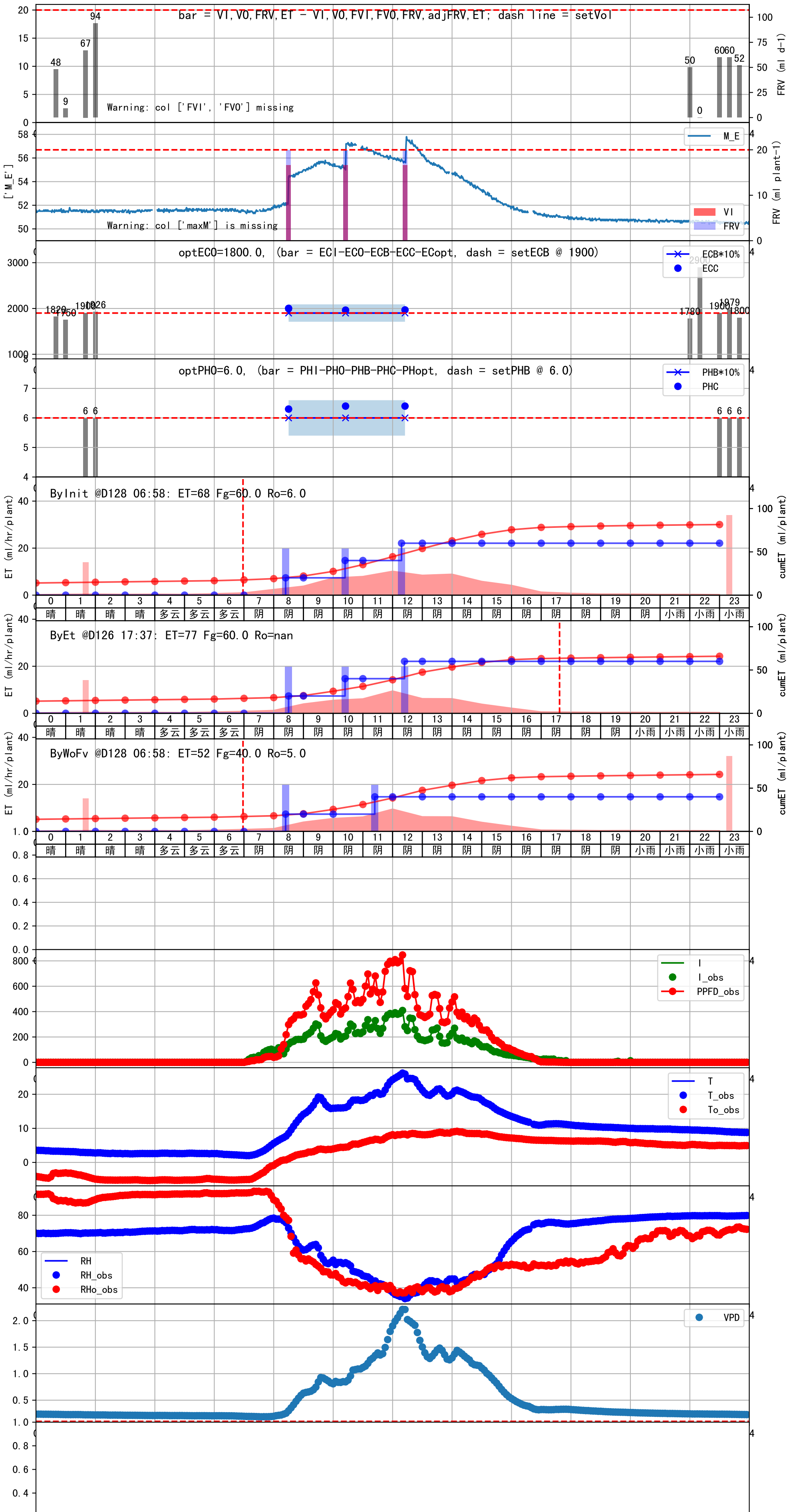

m=505, FV0=0, deltaM=0.0
Ws_E14
minute

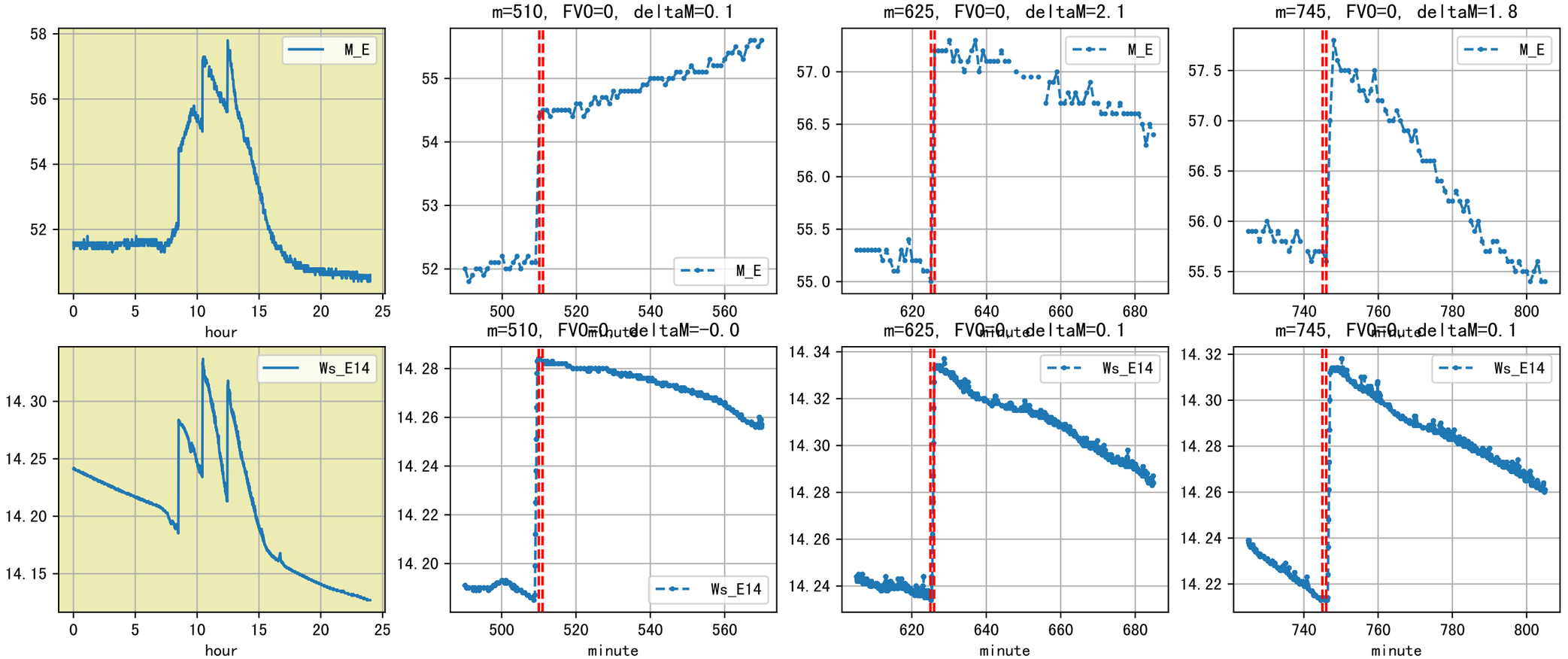

m=690, FV0=0, deltaM=0.1
Ws_E14
minute

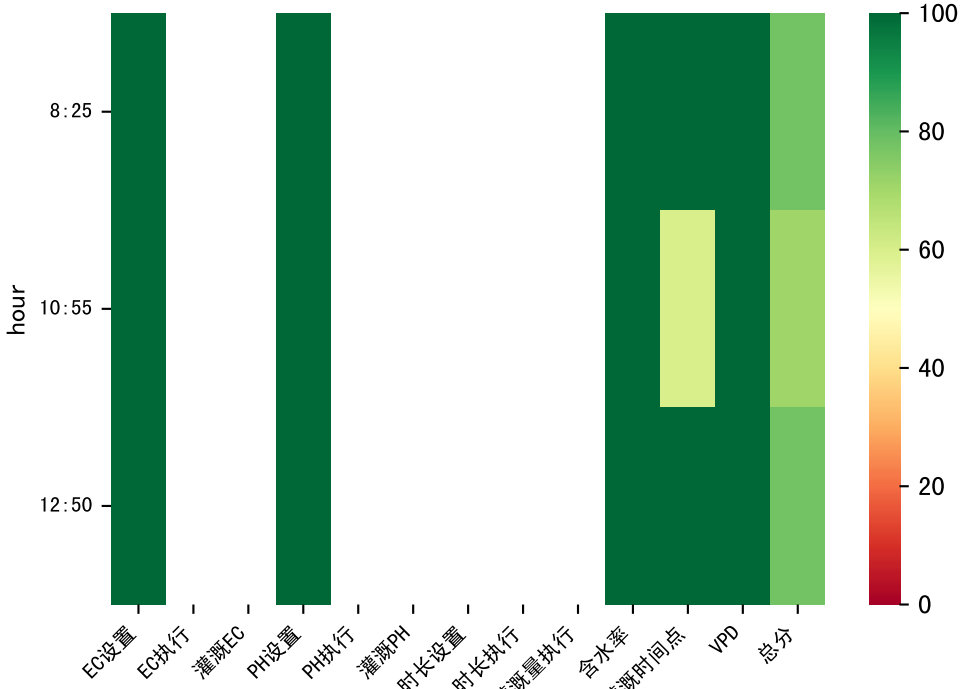

hour
8:25
11:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	36	20.0	0.081	阴	假设@08:25 自动（未用传感器）
11:25	36	20.0	0.081	阴	假设@11:25 自动（未用传感器）
总计	72.0 (2次)	40.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=126.0 (2026-02-09)

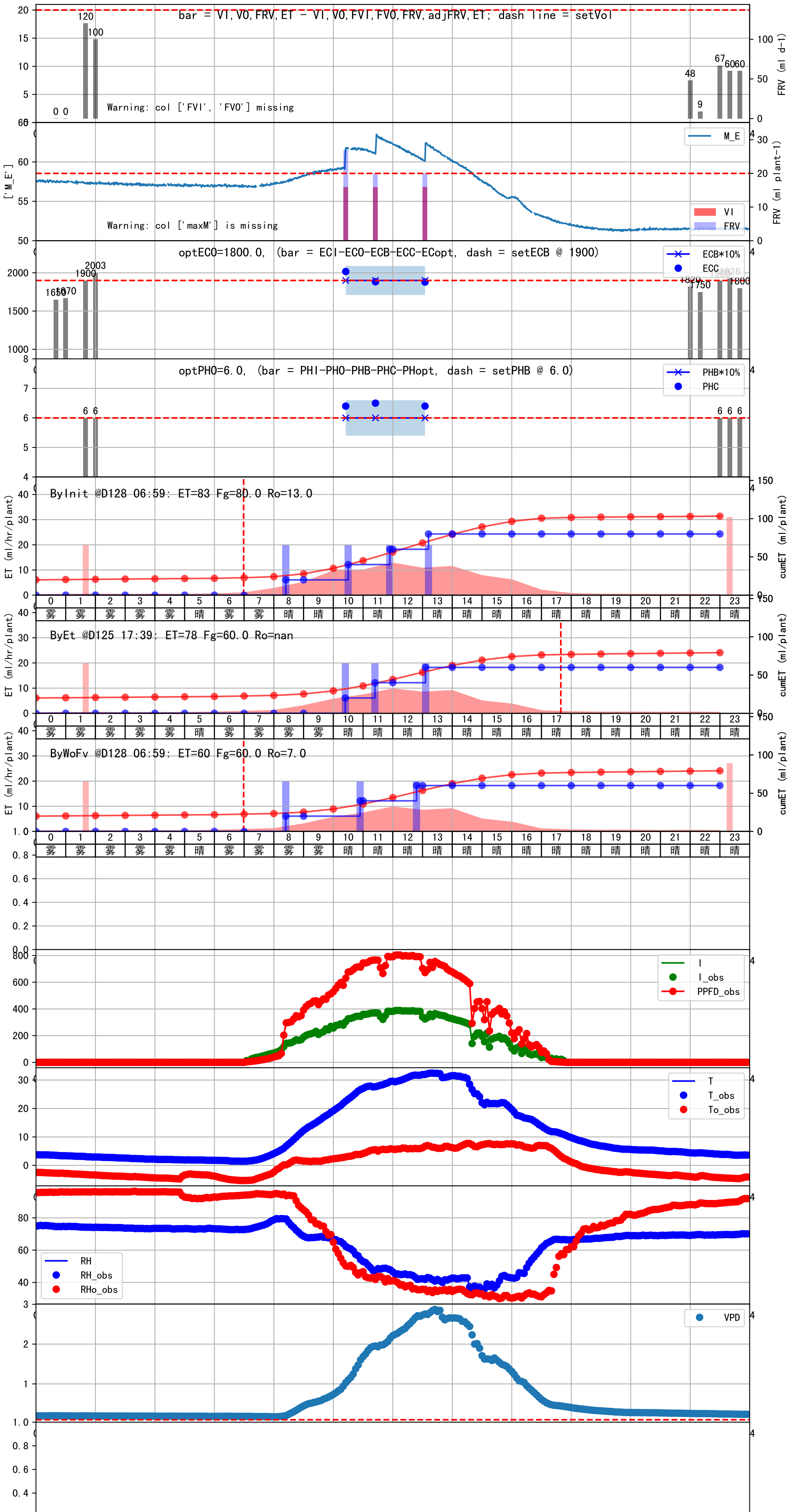


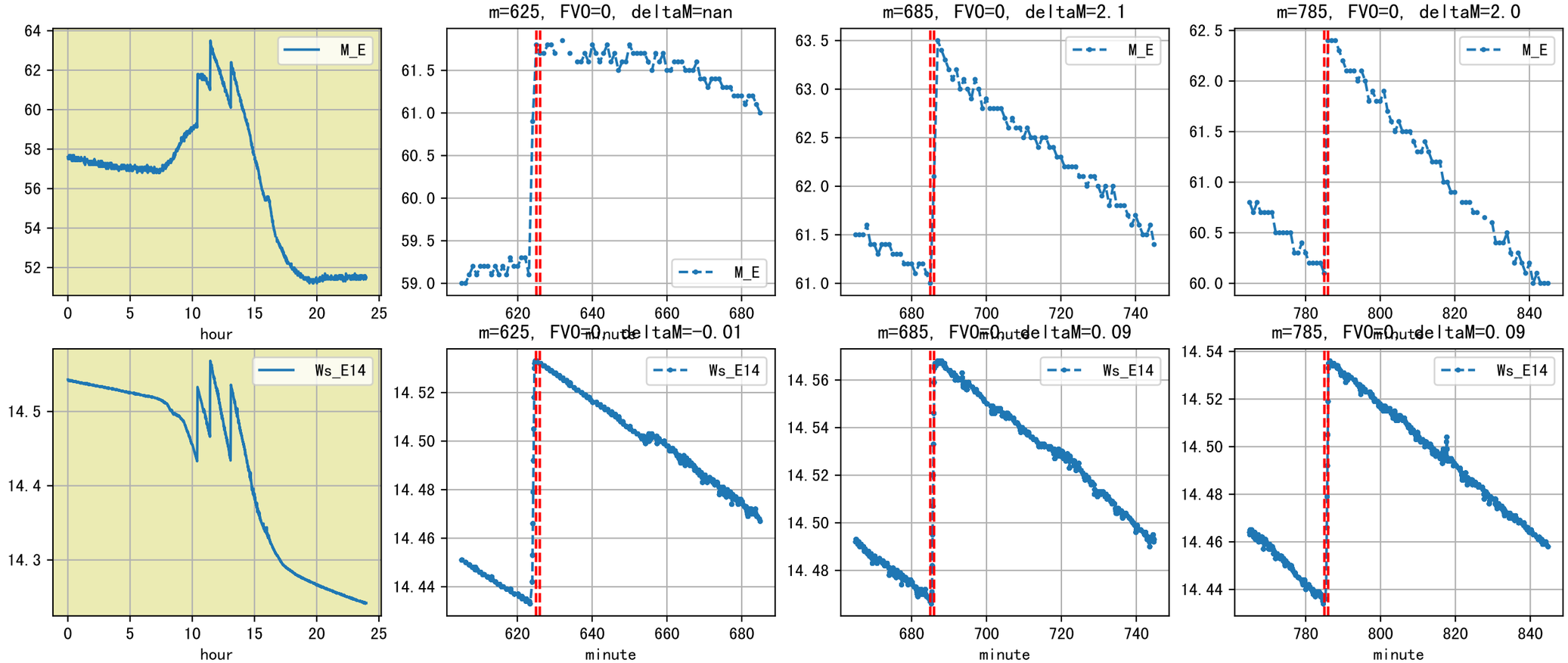

M_E
hour
m=510, FV0=0, deltaM=0.1
m=625, FV0=0, deltaM=2.1
m=745, FV0=0, deltaM=1.8
minute
Ws_E14
m=510, FV0=0, deltaM=-0.0
m=625, FV0=0, deltaM=0.1
m=745, FV0=0, deltaM=0.1

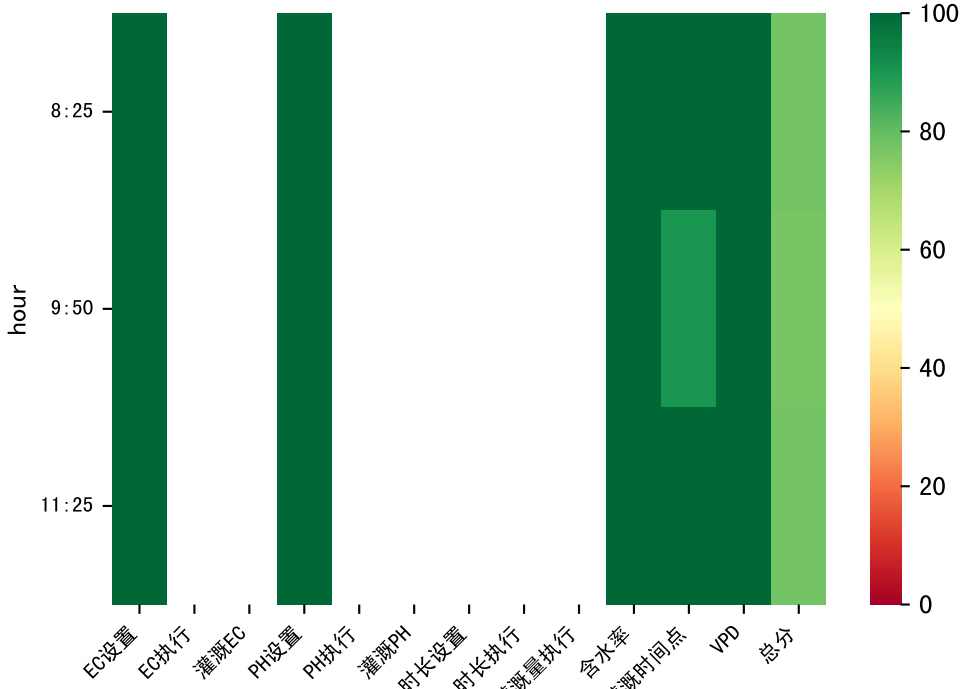

hour
8:25
10:55
12:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	36	20.0	0.081	雾	假设@08:25 自动（未用传感器）
10:55	36	20.0	0.081	晴	假设@10:55 自动（未用传感器）
12:50	36	20.0	0.081	晴	假设@12:50 自动（未用传感器）
总计	108.0 (3次)	60.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=125.0 (2026-02-08)

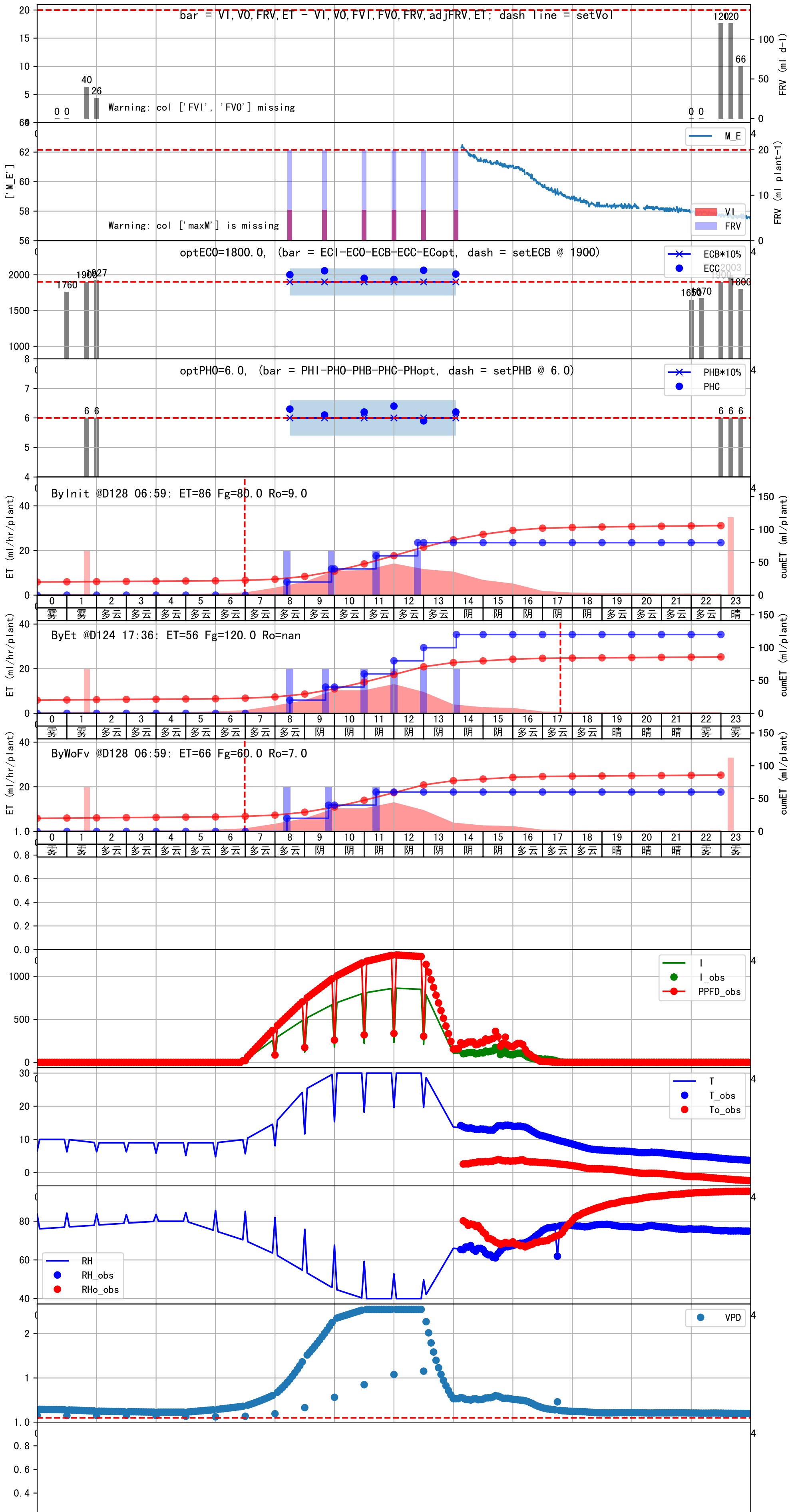


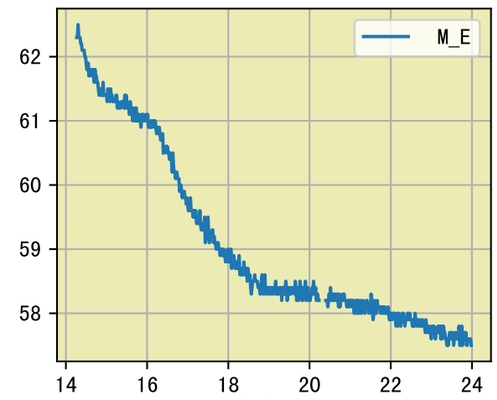

m=625, FV0=0, deltaM=nan
m=685, FV0=0, deltaM=2.1
m=785, FV0=0, deltaM=2.0
M_E
Ws_E14
hour
minute
m=625, FV0=0, deltaM=-0.01
m=685, FV0=0, deltaM=0.09
m=785, FV0=0, deltaM=0.09

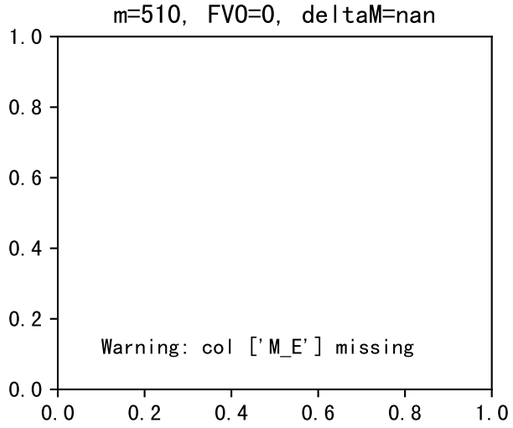

hour
8:25
9:50
11:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

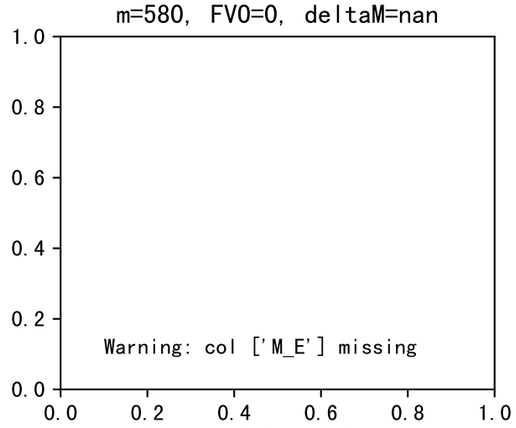
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:25	36	20.0	0.081	多云	假设@08:25 自动（未用传感器）
09:50	36	20.0	0.081	阴	假设@09:50 自动（未用传感器）
11:25	36	20.0	0.081	阴	假设@11:25 自动（未用传感器）
总计	108.0 (3次)	60.0			建议进液EC：1900， PH：6.0

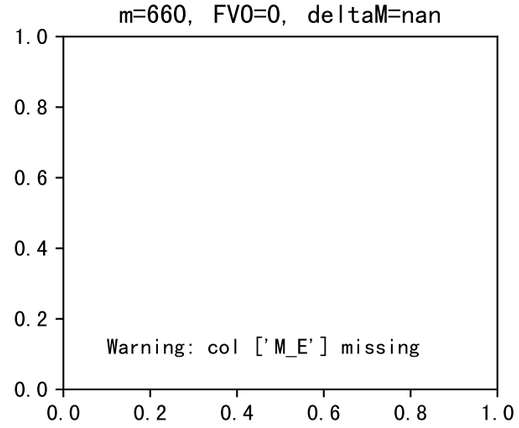
L1A1_1, Day=124.0 (2026-02-07)

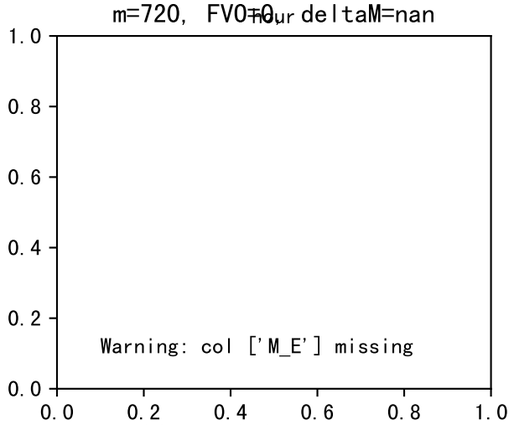


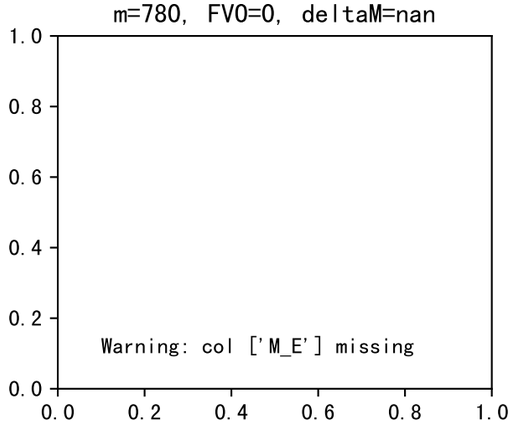

M_E
62
61
60
59
58
14
16
18
20
22
24

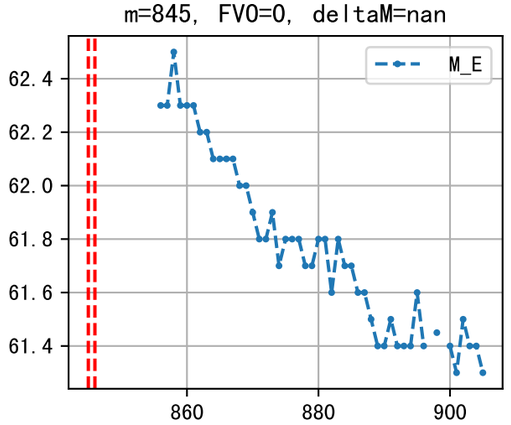

m=510, FV0=0, deltaM=nan
Warning: col ['M_E'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

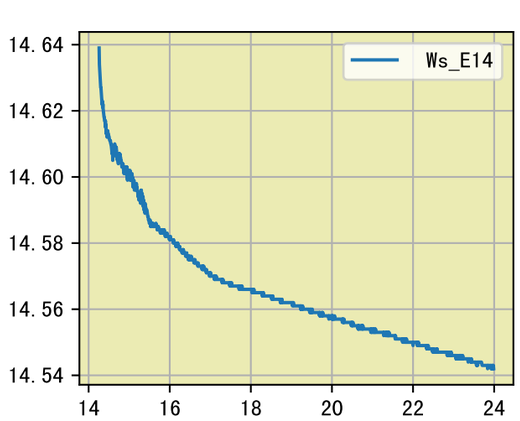

m=580, FV0=0, deltaM=nan
Warning: col ['M_E'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0

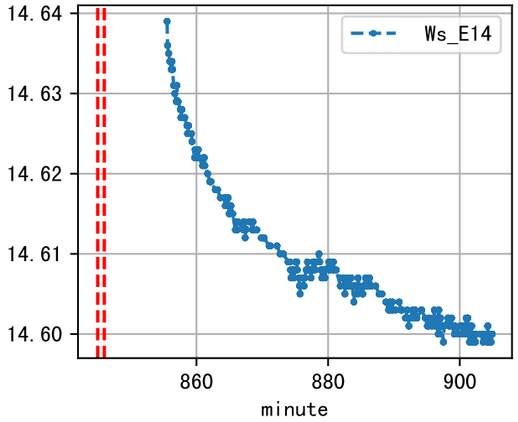

m=660, FV0=0, deltaM=nan
Warning: col ['M_E'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


m=720, FV0=0, deltaM=nan
Warning: col ['M_E'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
hour


m=780, FV0=0, deltaM=nan
Warning: col ['M_E'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0


m=845, FV0=0, deltaM=nan
M_E
62.4
62.2
62.0
61.8
61.6
61.4
860
880
900
minute


Ws_E14
14.64
14.62
14.60
14.58
14.56
14.54
14
16
18
20
22
24
hour


m=845, FV0=0, deltaM=nan
Ws_E14
14.64
14.63
14.62
14.61
14.60
860
880
900
minute