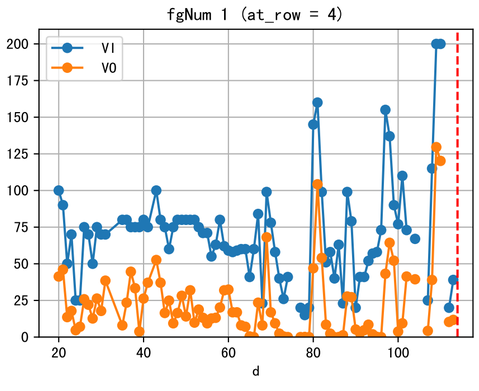
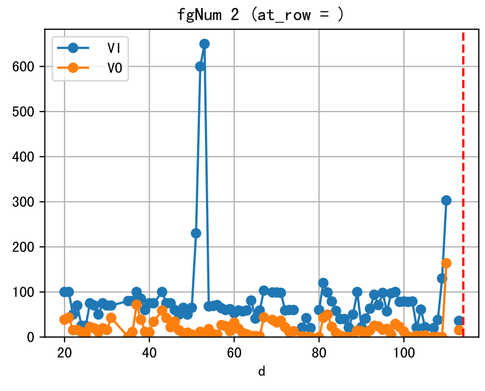
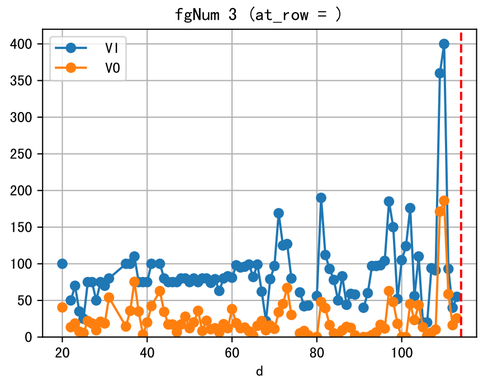
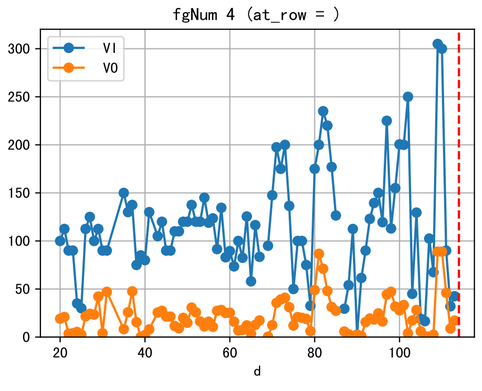
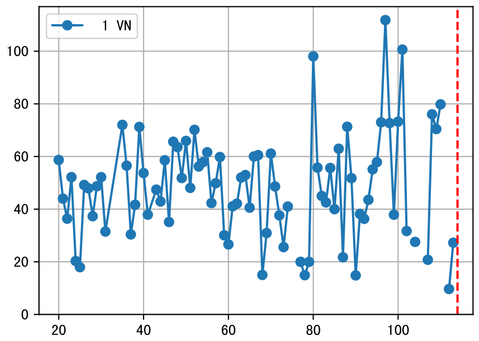
FgArea: ['1']
NJ15 L1
2026-01-28 (Day 114)

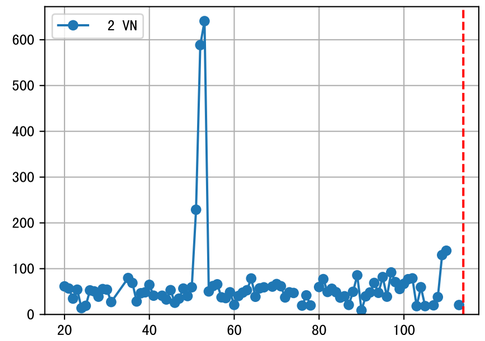

fgNum 1 (at_row = 4)
VI
VO
d

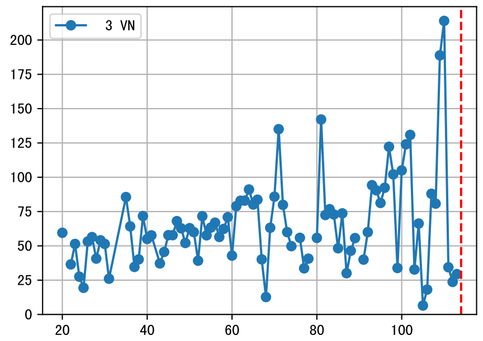

fgNum 2 (at_row =)
VI
VO
d

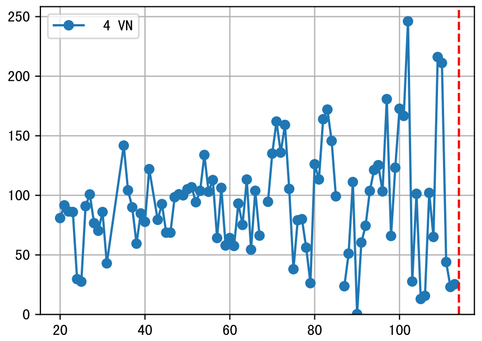

fgNum 3 (at_row =)
VI
VO
d

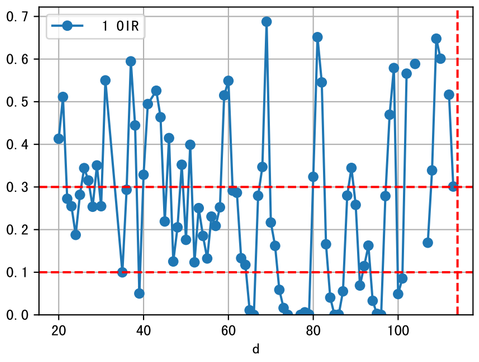

fgNum 4 (at_row =)
VI
VO
d

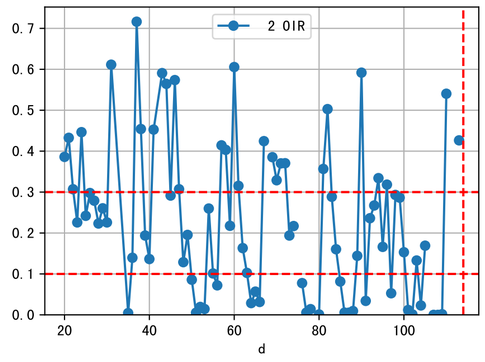

1 VN
d

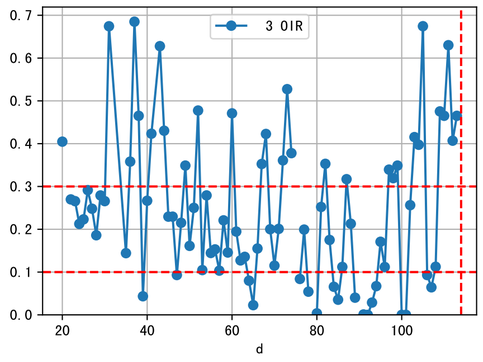

2 VN
d

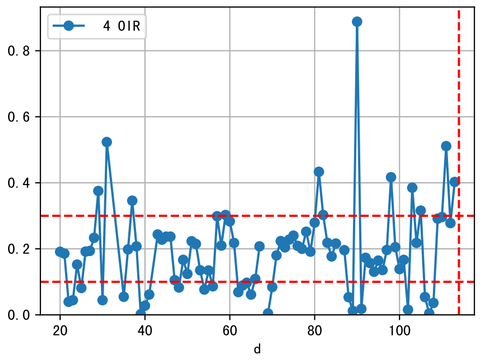

3 VN
d

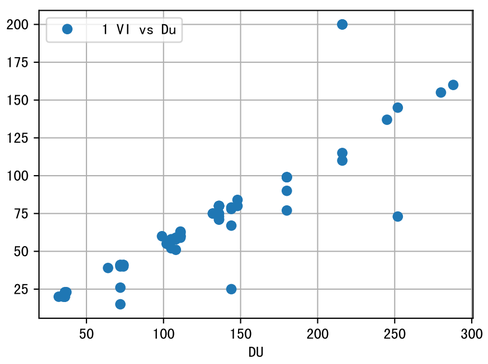

4 VN
d

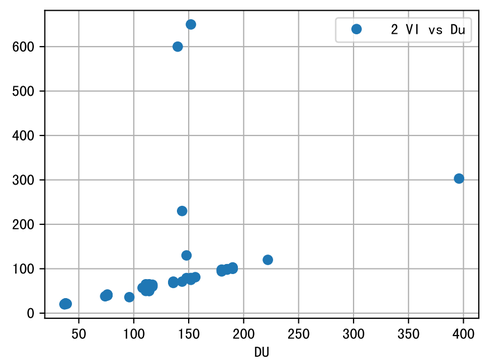

1 OIR
d

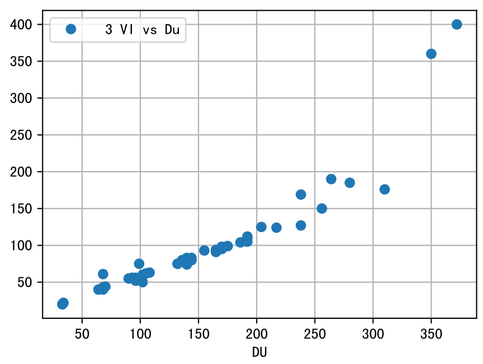

2 OIR
d

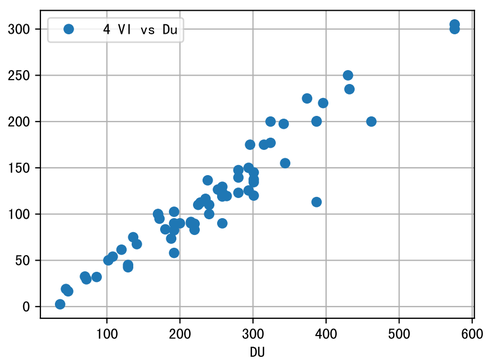

3 OIR
d

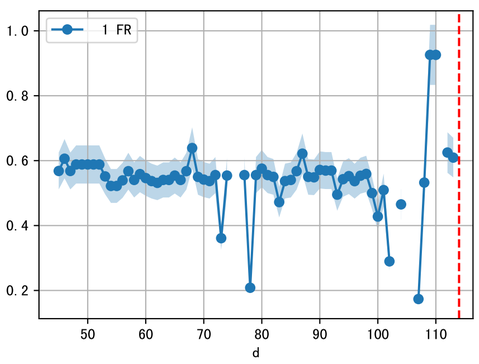

4 OIR
d

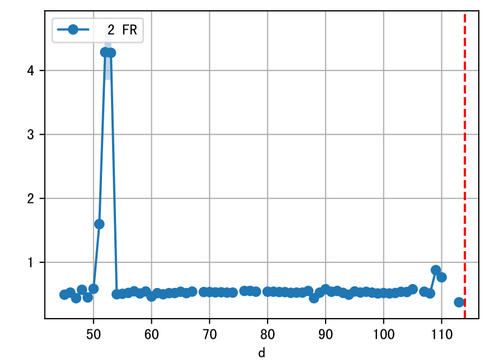

1 VI vs Du
DU

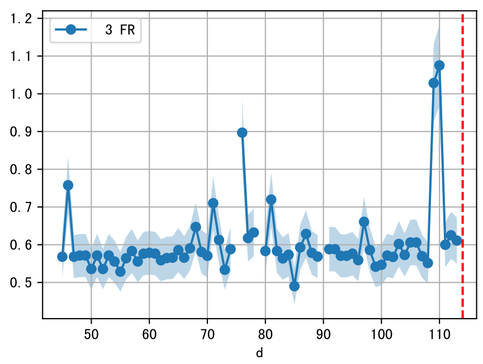

2 VI vs Du
DU

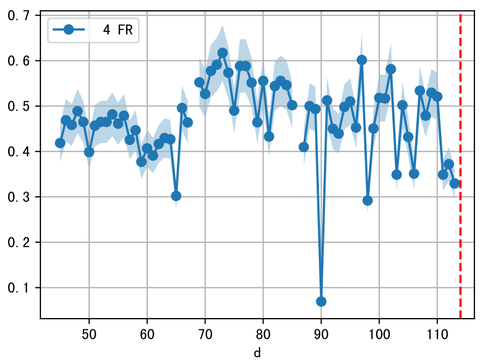

3 VI vs Du
DU

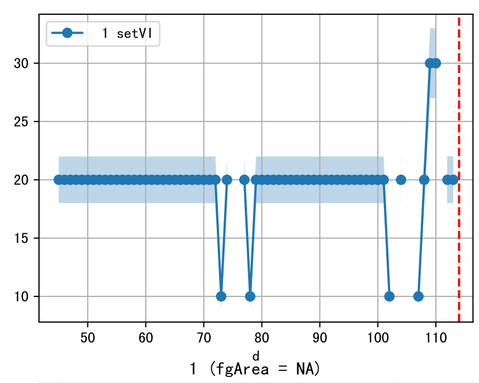

4 VI vs Du
DU

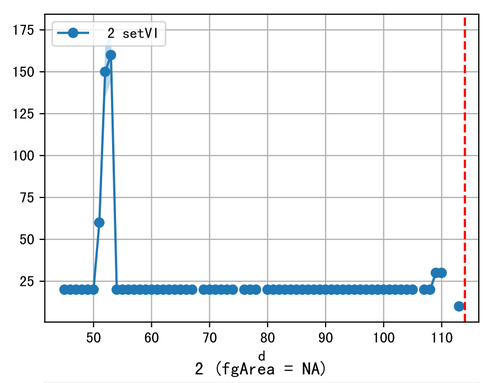

1 FR
d

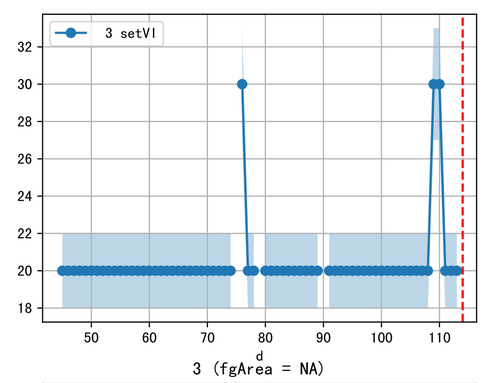

2 FR
d

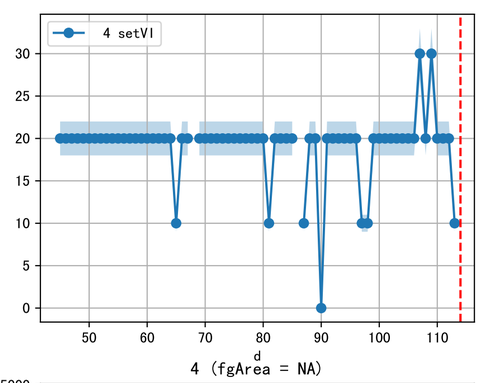

3 FR
d

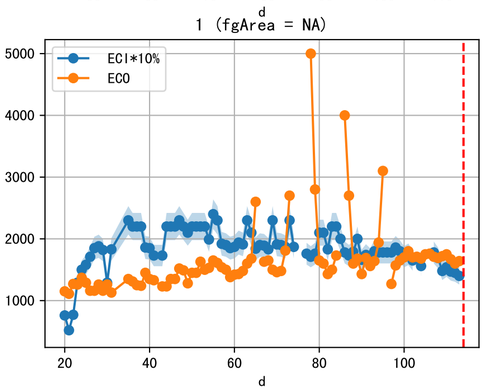

4 FR
d

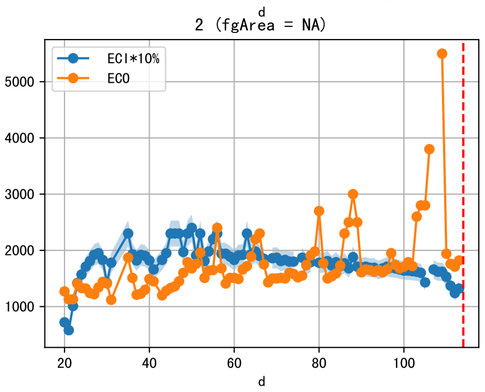

1 setVI
d

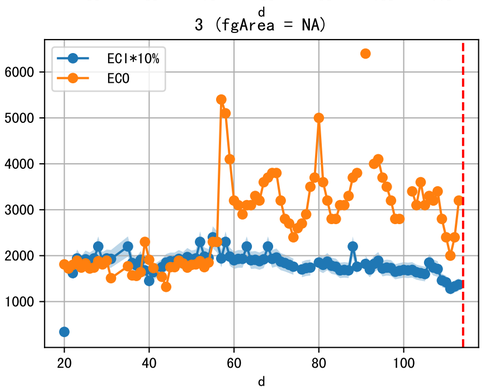

2 setVI
d

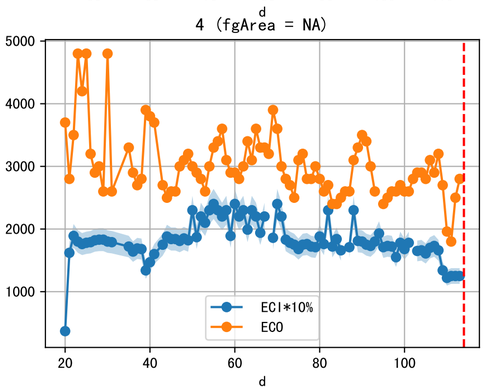

3 setVI
d

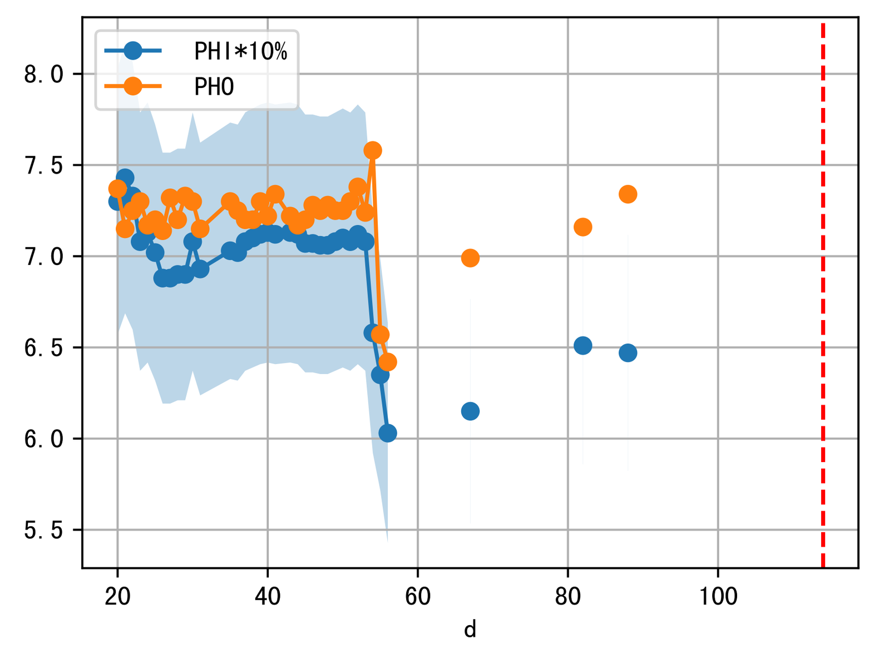
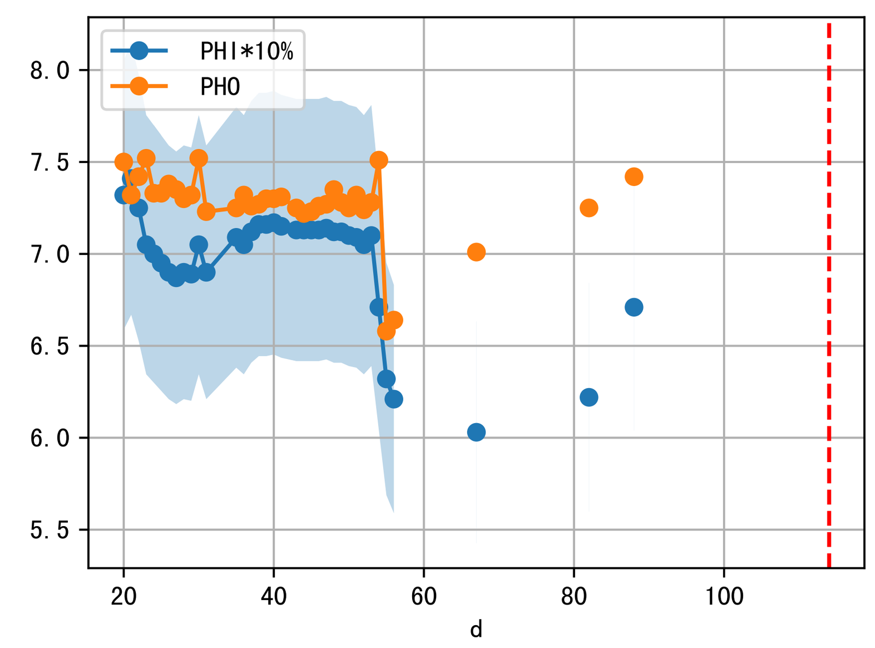
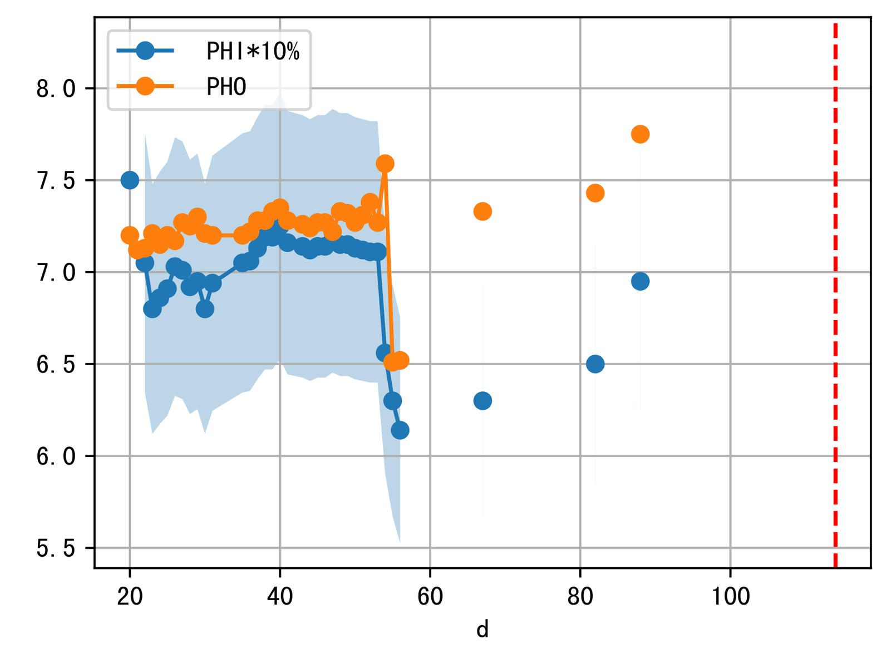
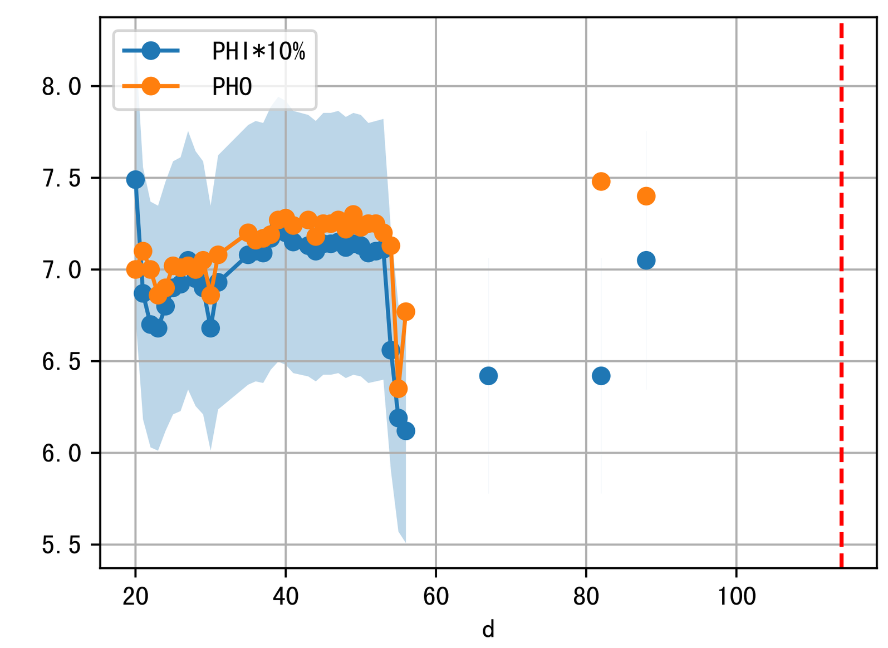

4 setVI
d

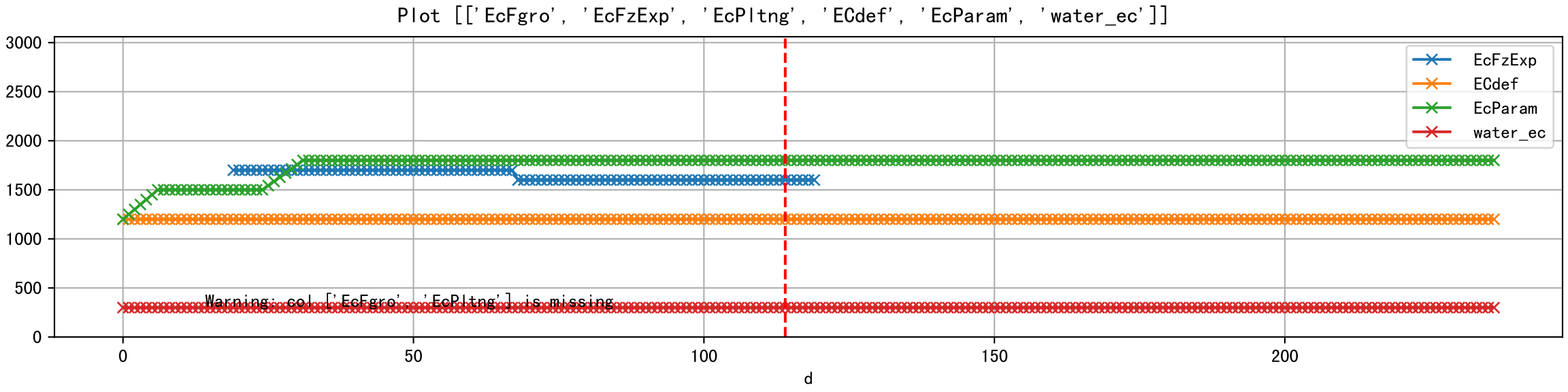

1 (fgArea = NA)
ECI*10%
ECO
d

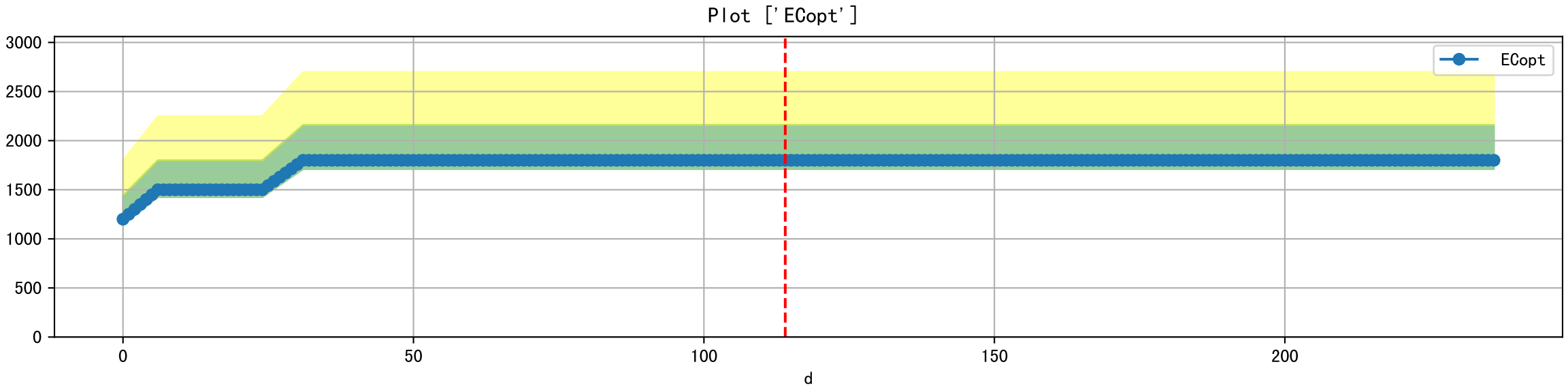

2 (fgArea = NA)
ECI*10%
ECO
d

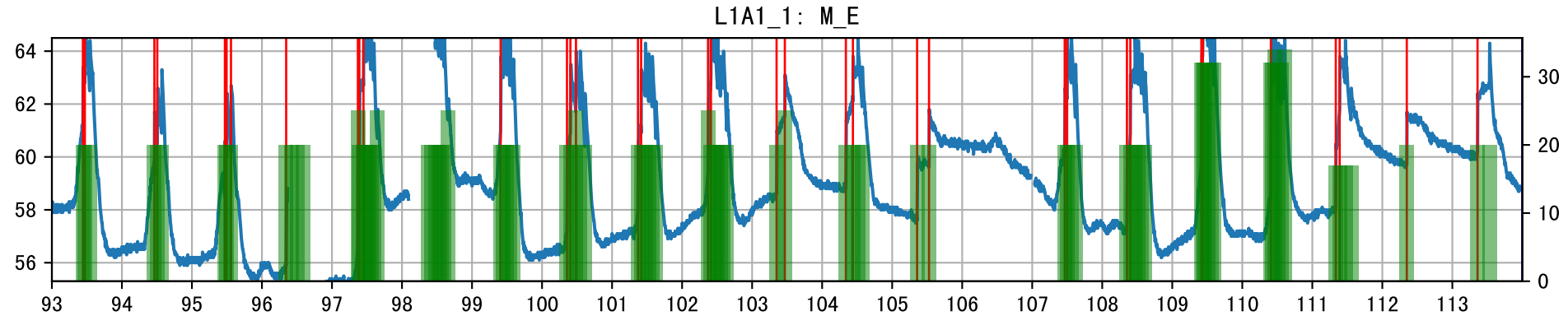

3 (fgArea = NA)
ECI*10%
ECO
d


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

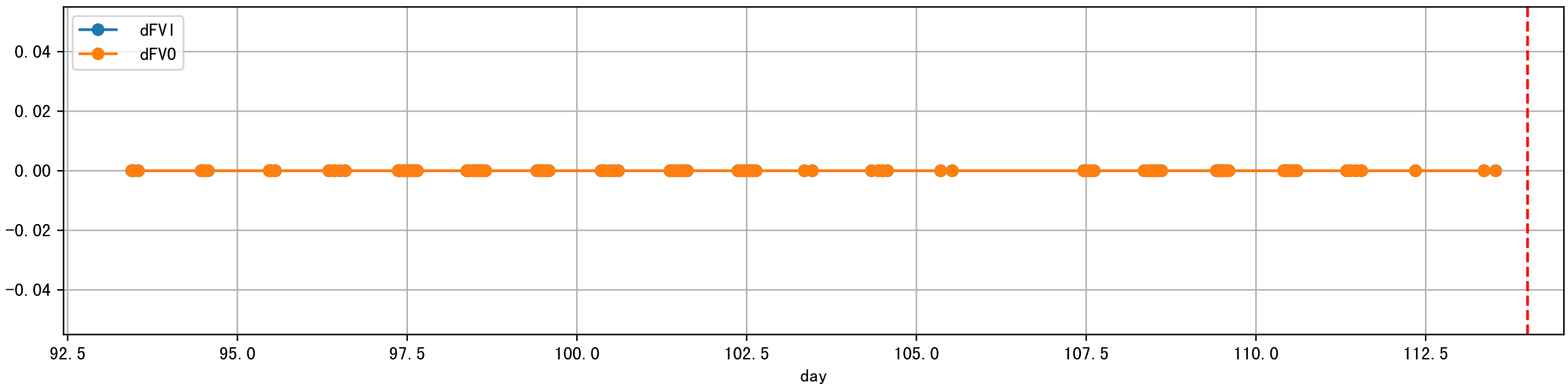

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
d

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

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

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

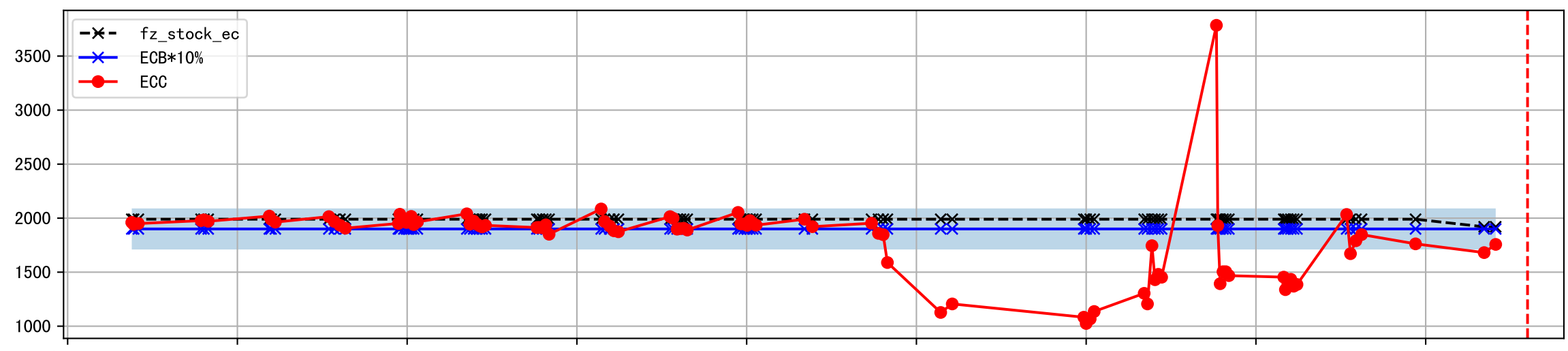

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
Warning: col ['EcFgro', 'EcPltng'] is missing
EcFzExp
ECdef
EcParam
water_ec
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

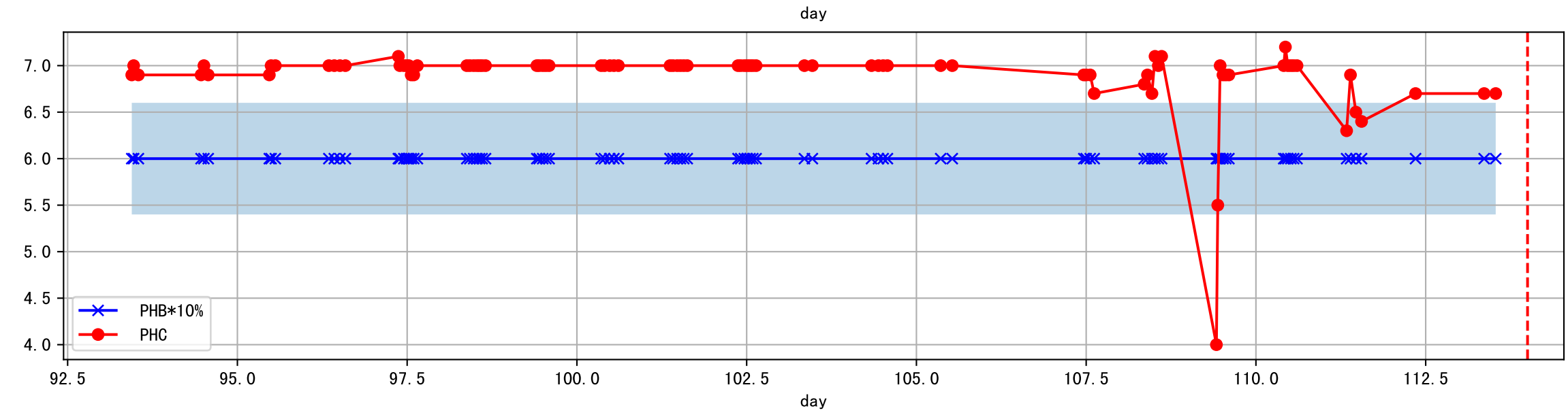

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

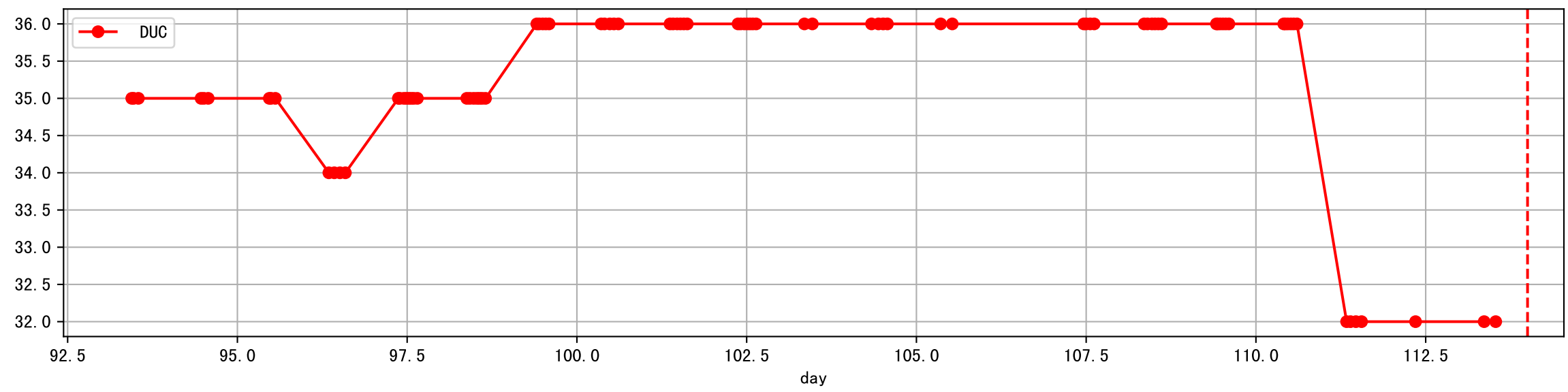

L1A1_1: M_E
64
62
60
58
56
30
20
10
0
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113

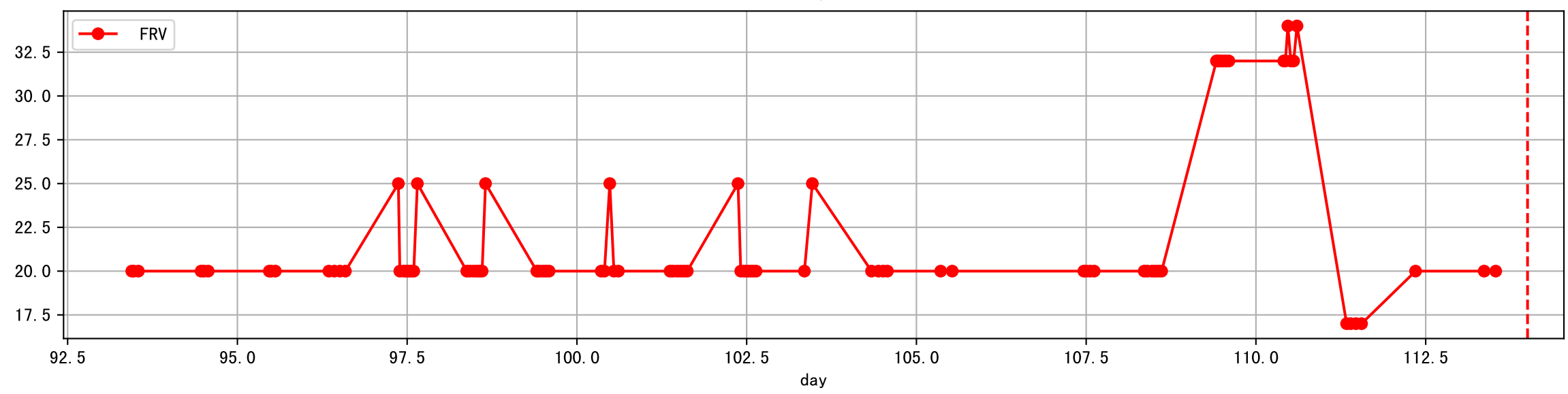
Plot Sensor and FgRec Data

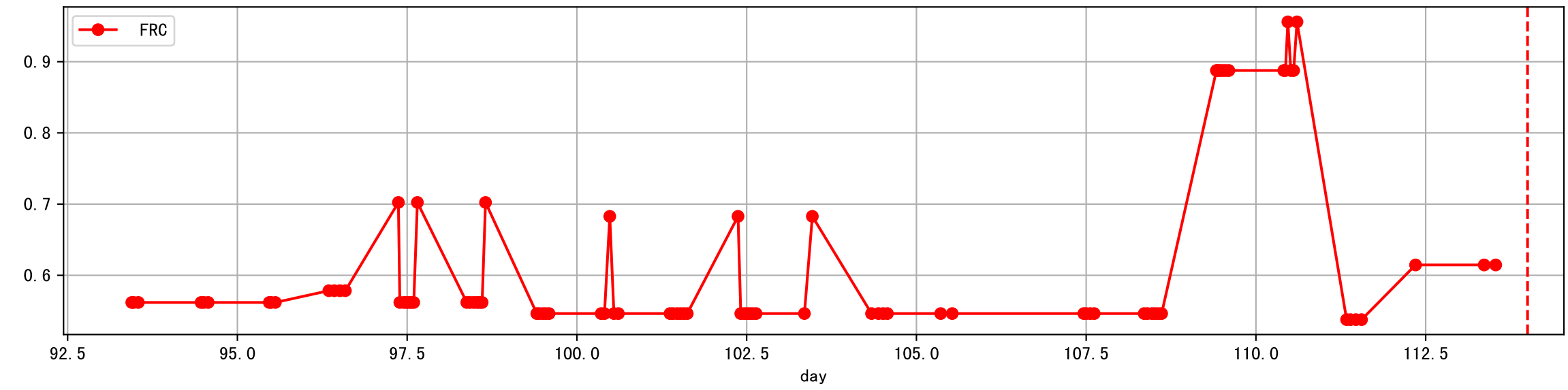


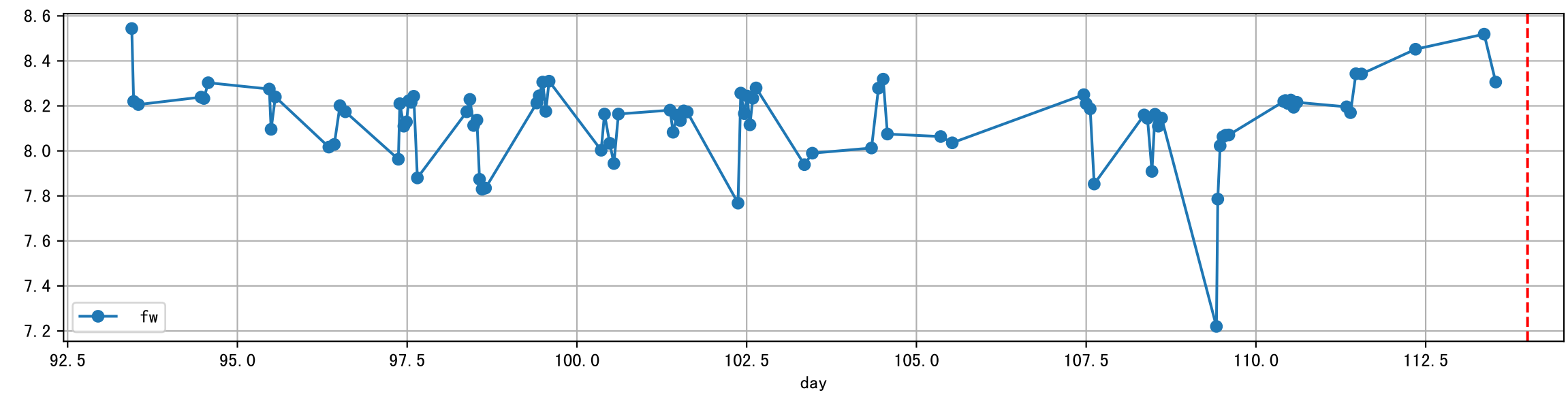


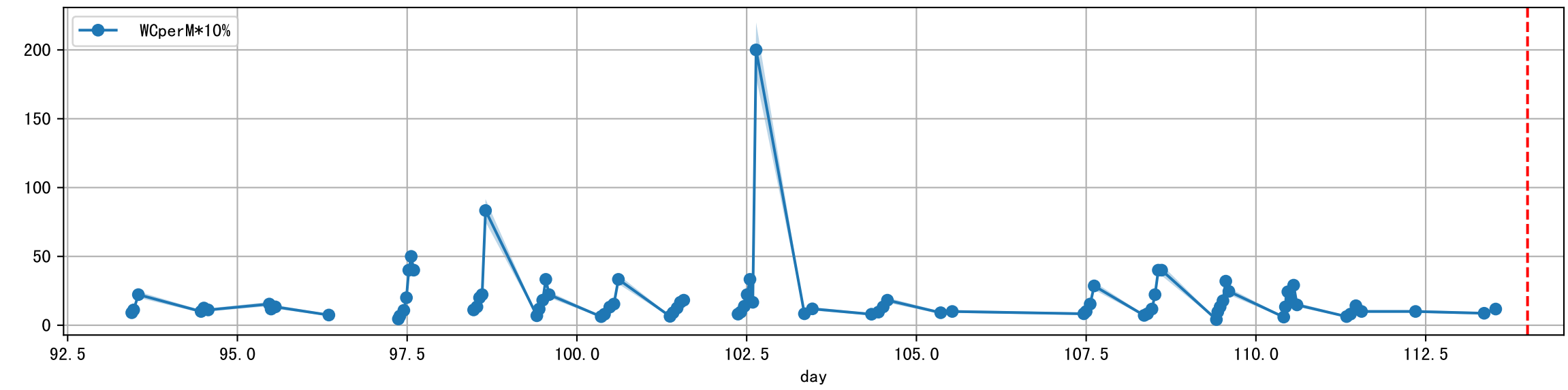


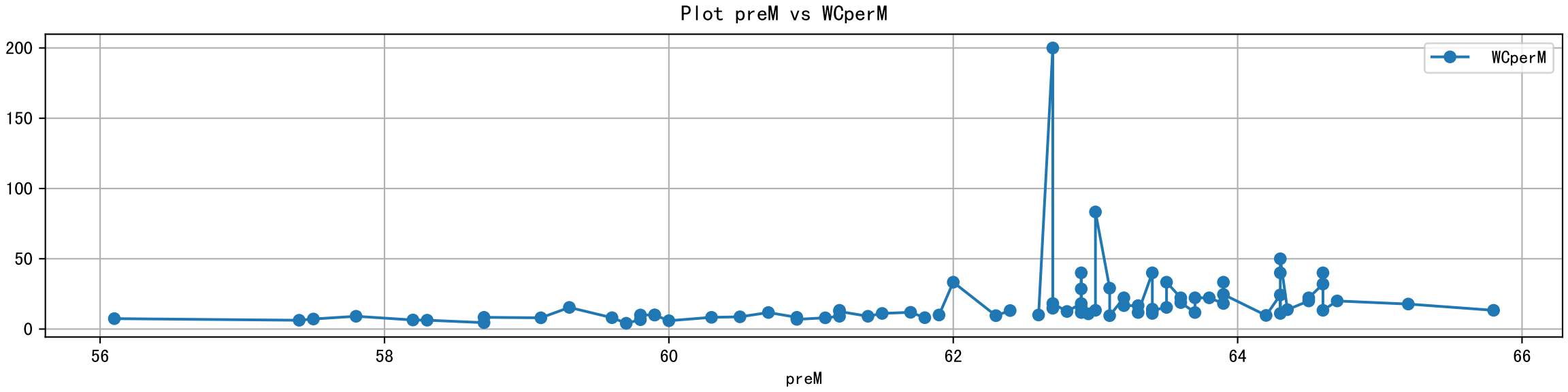


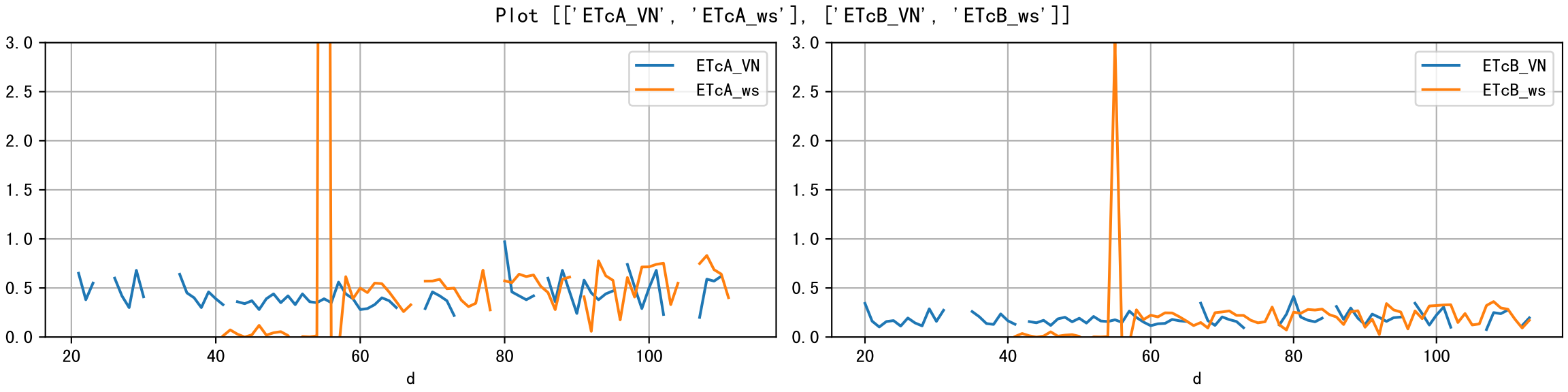


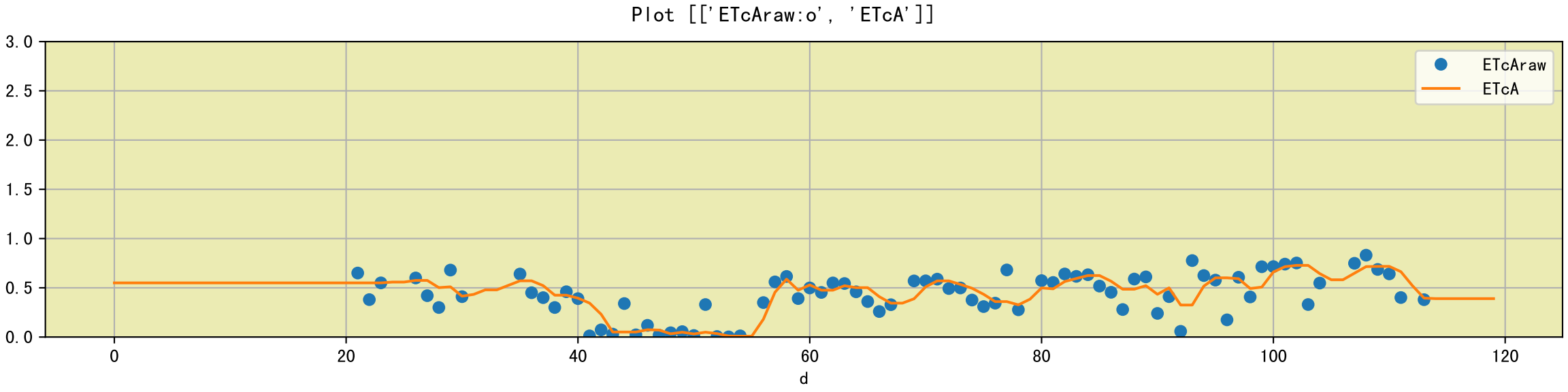


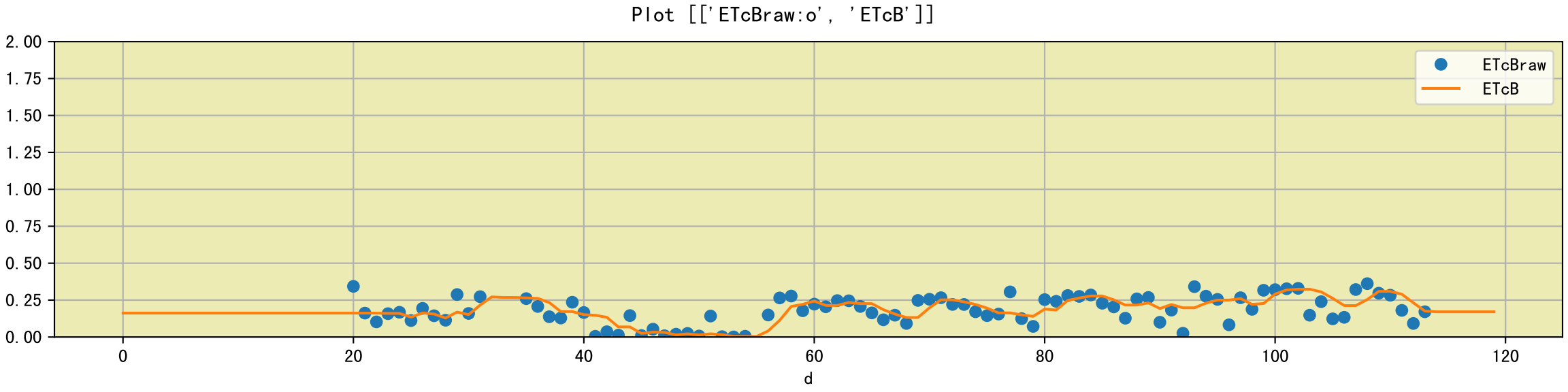




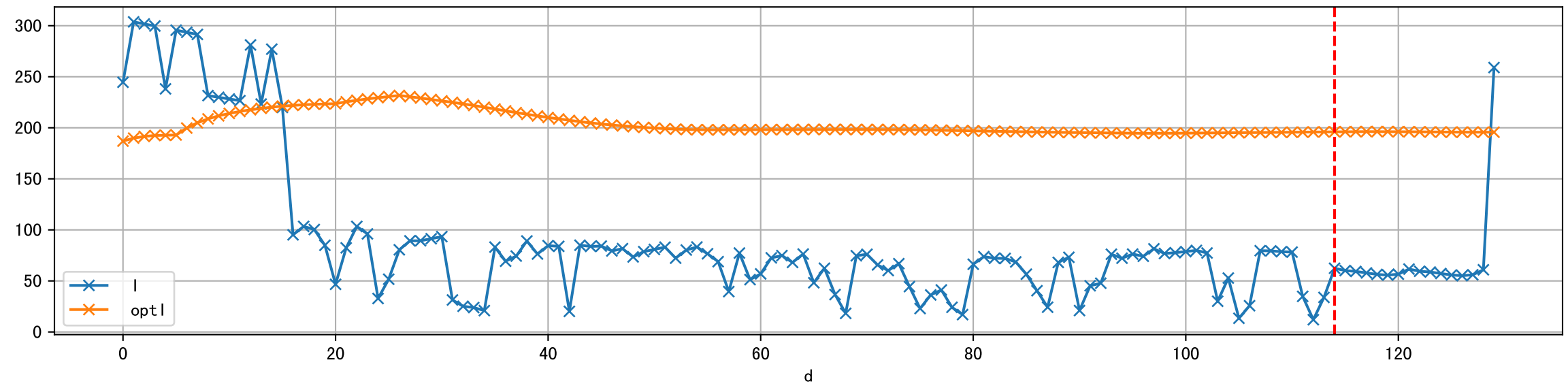

Plot preM vs WCperM
WCperM
200
150
100
50
0
56
58
60
62
64
66
preM

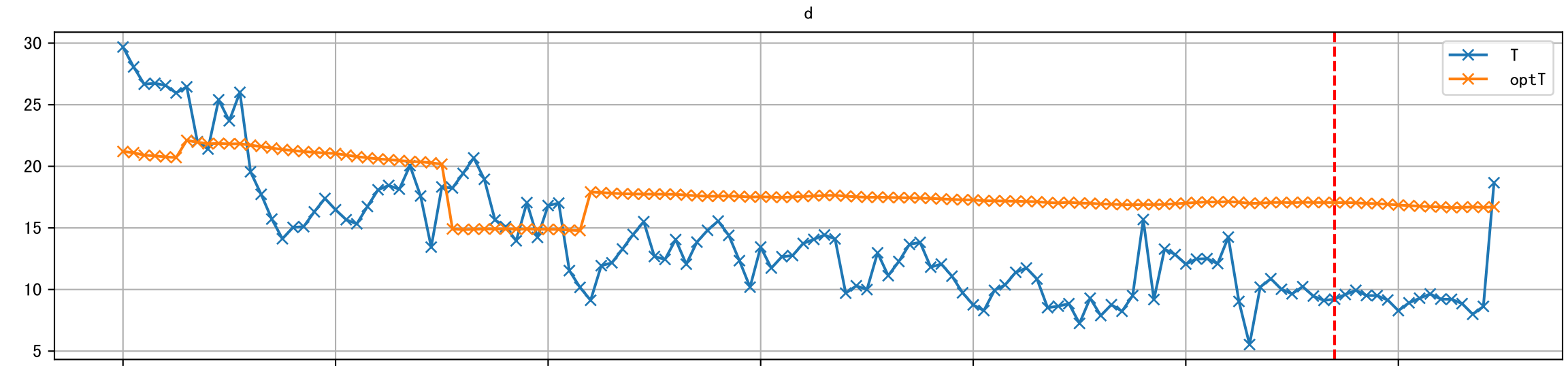

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
d

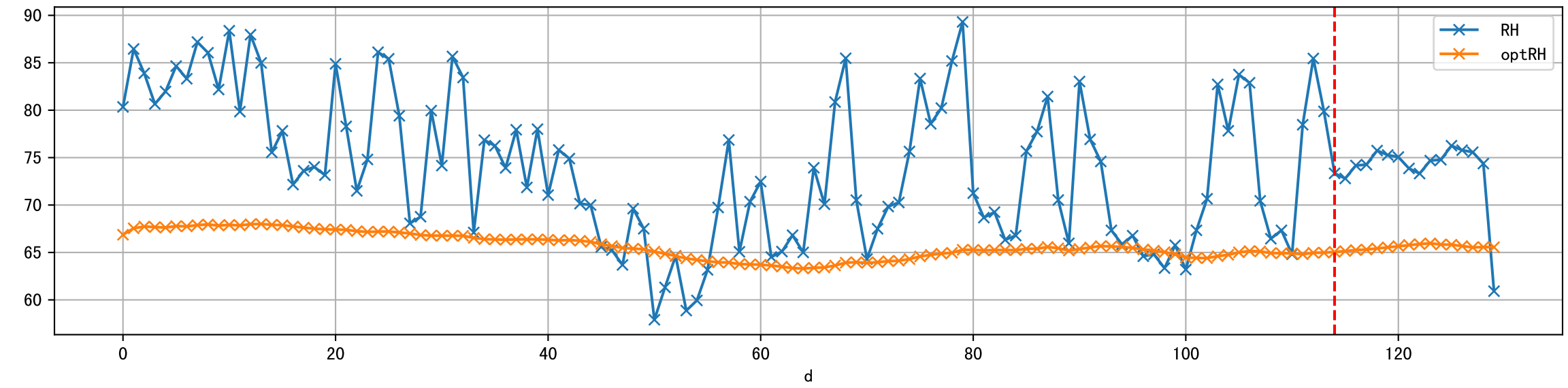

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
d
ETcAraw
ETcA

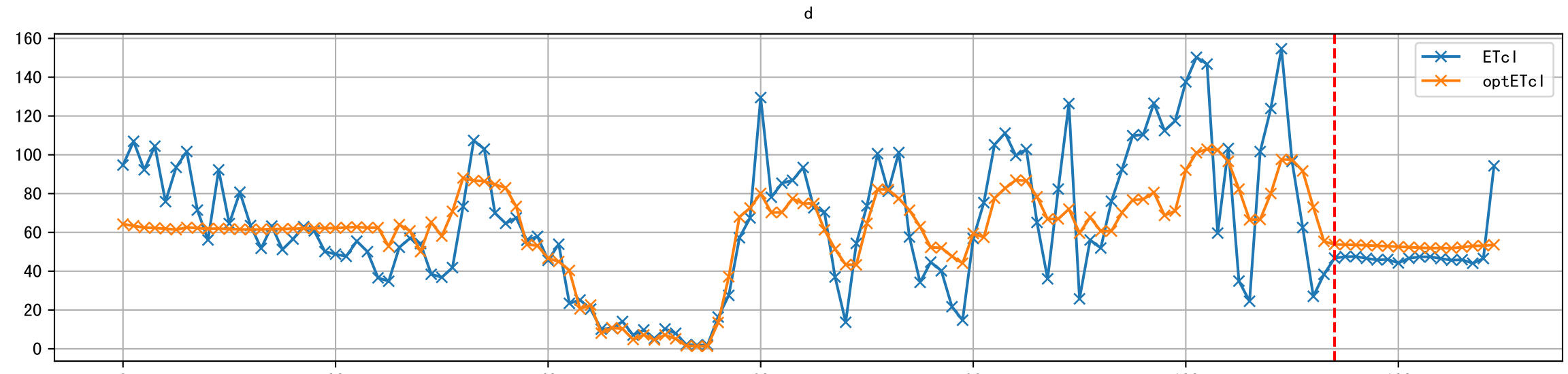

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
d
ETcBraw
ETcB

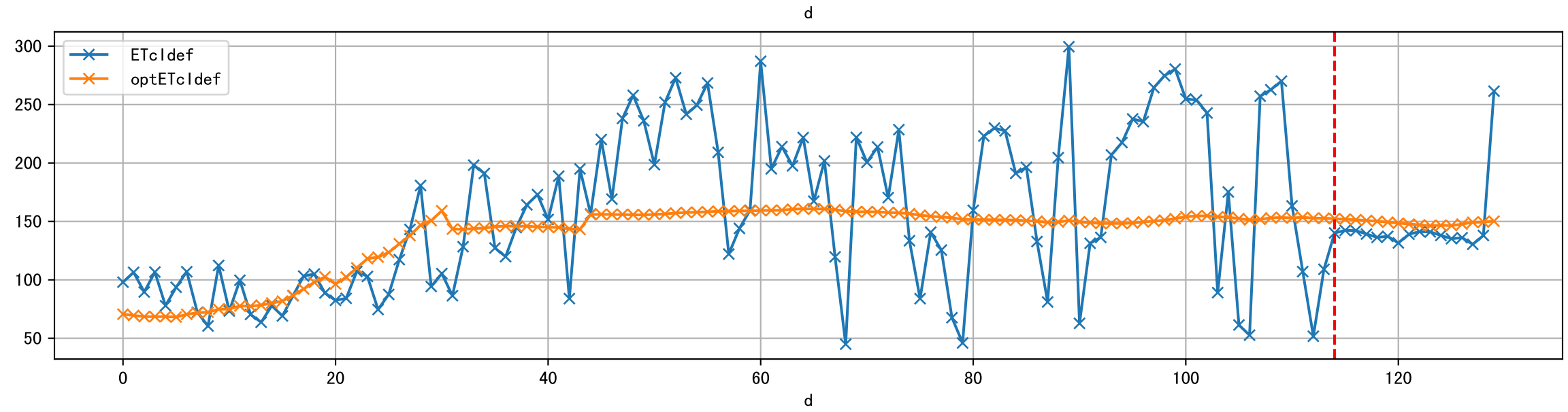
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

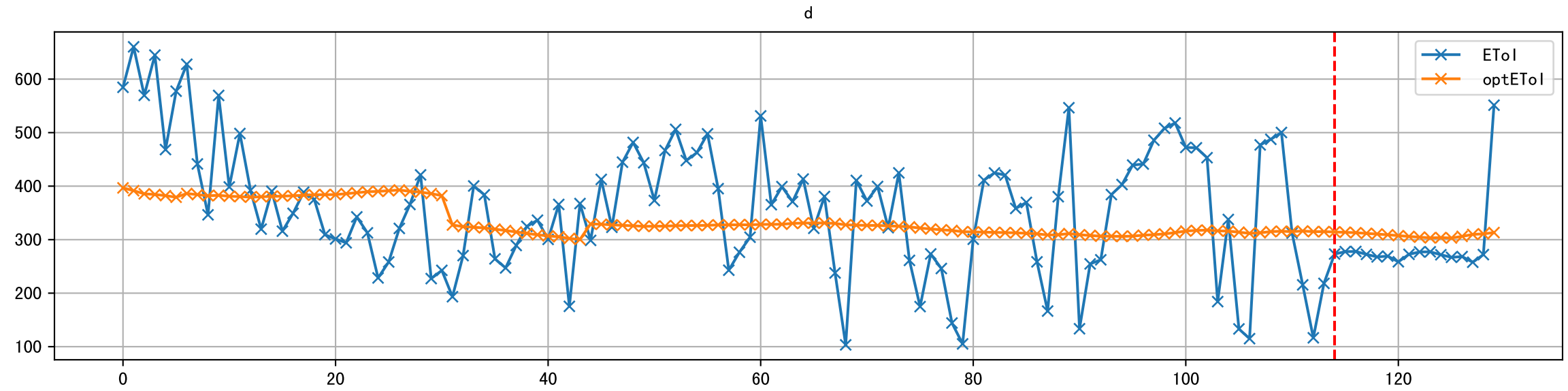


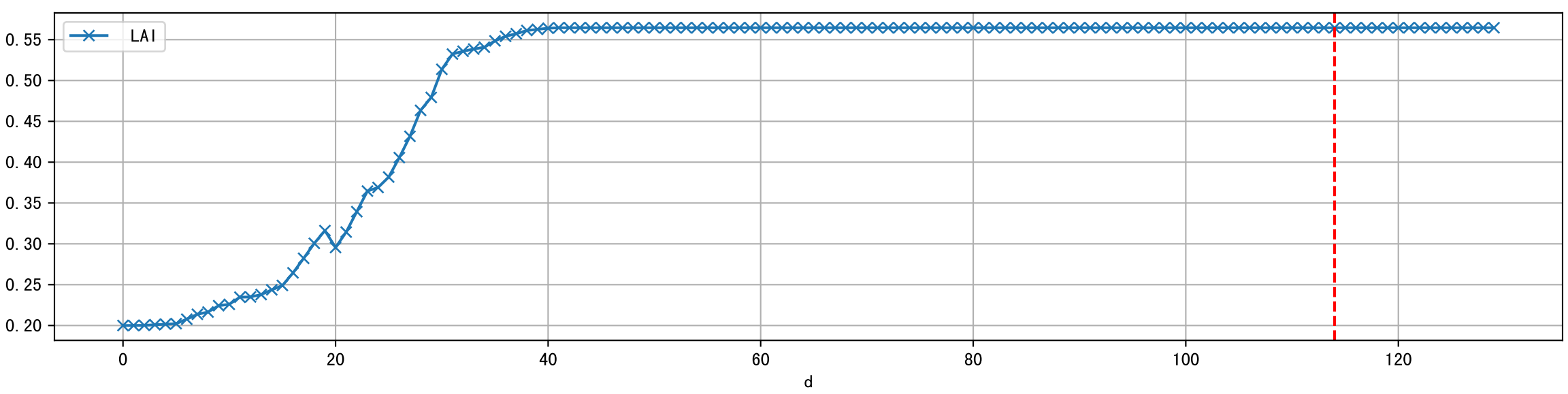


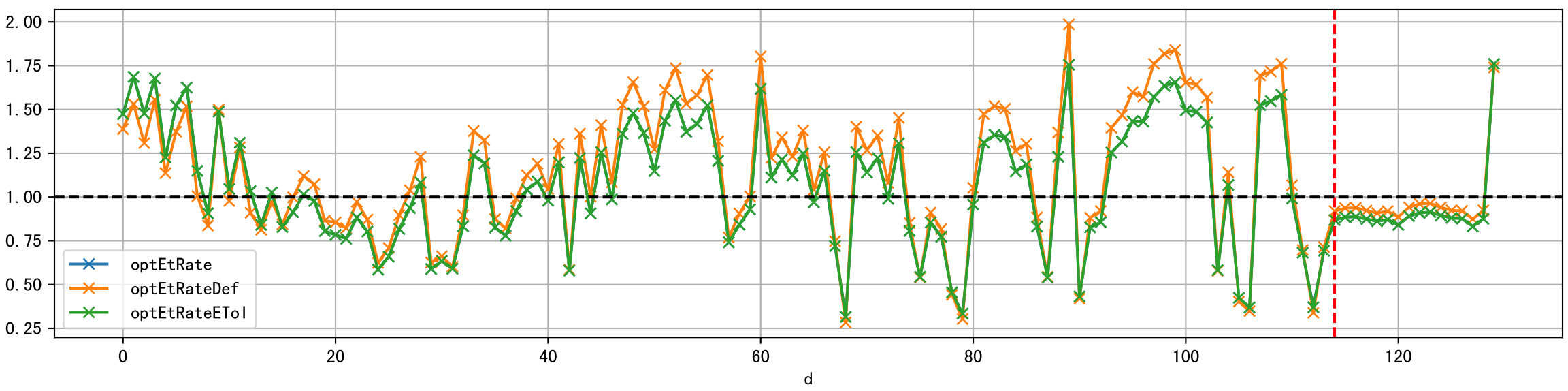


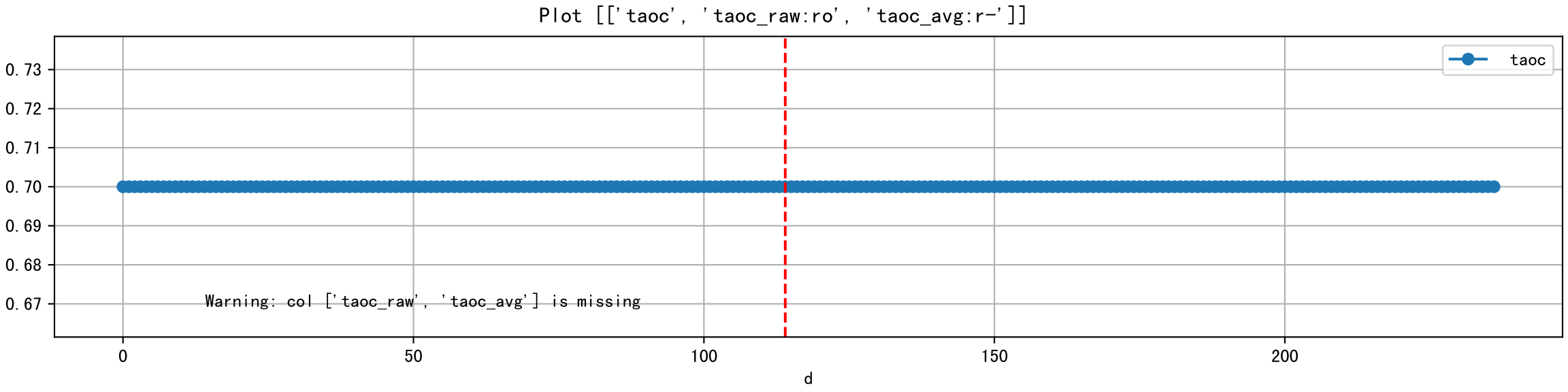


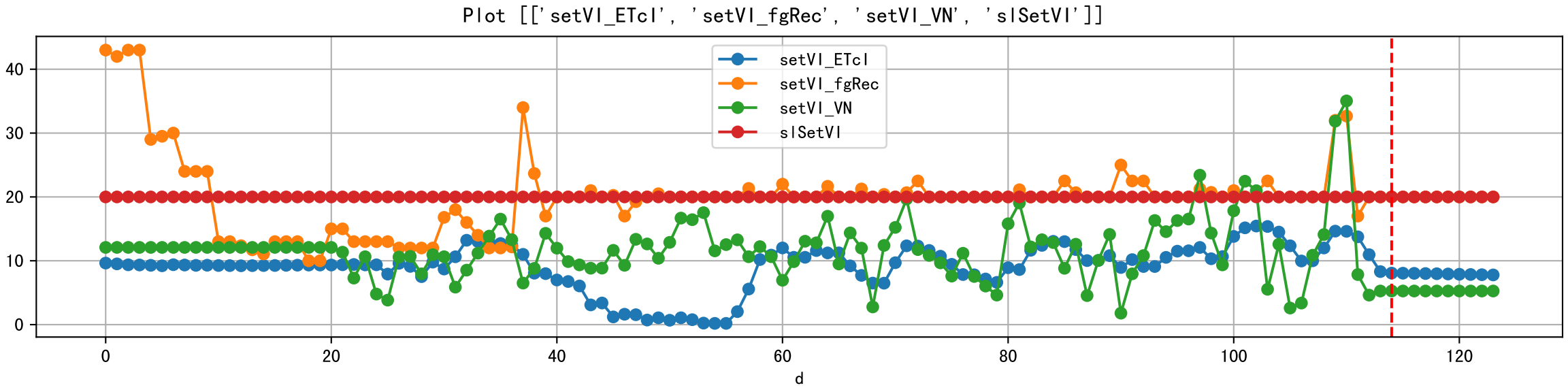


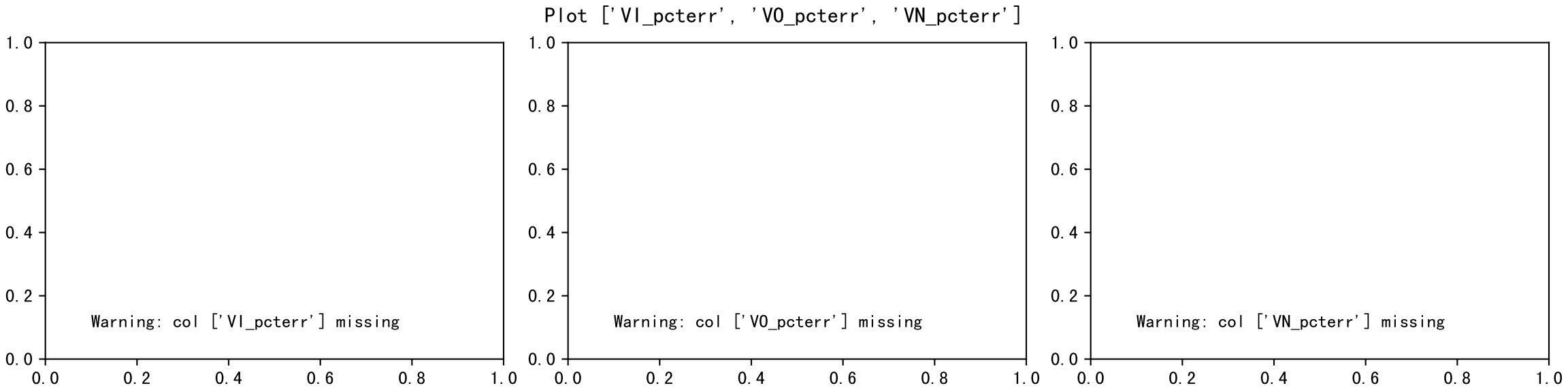


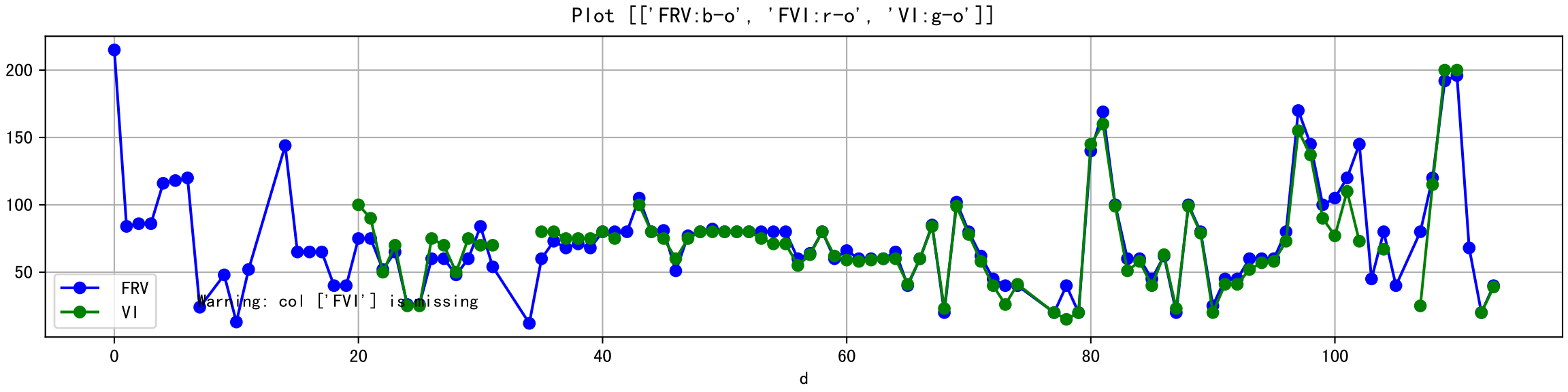


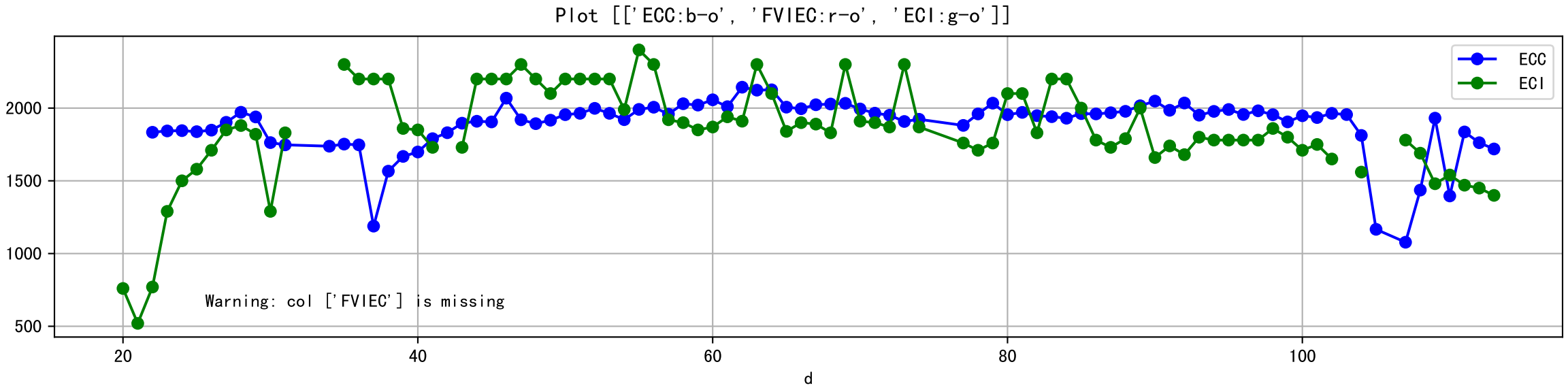


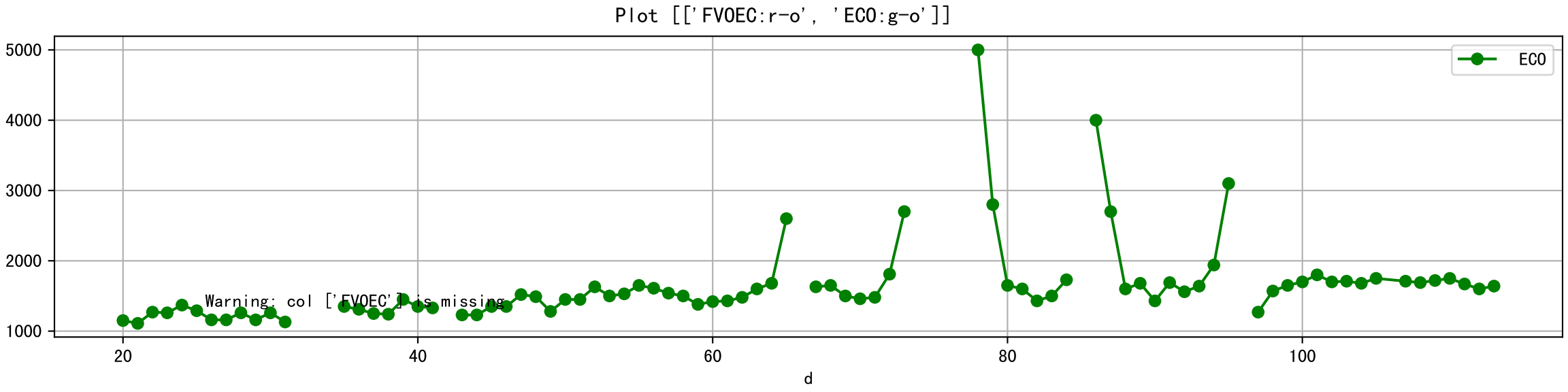

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

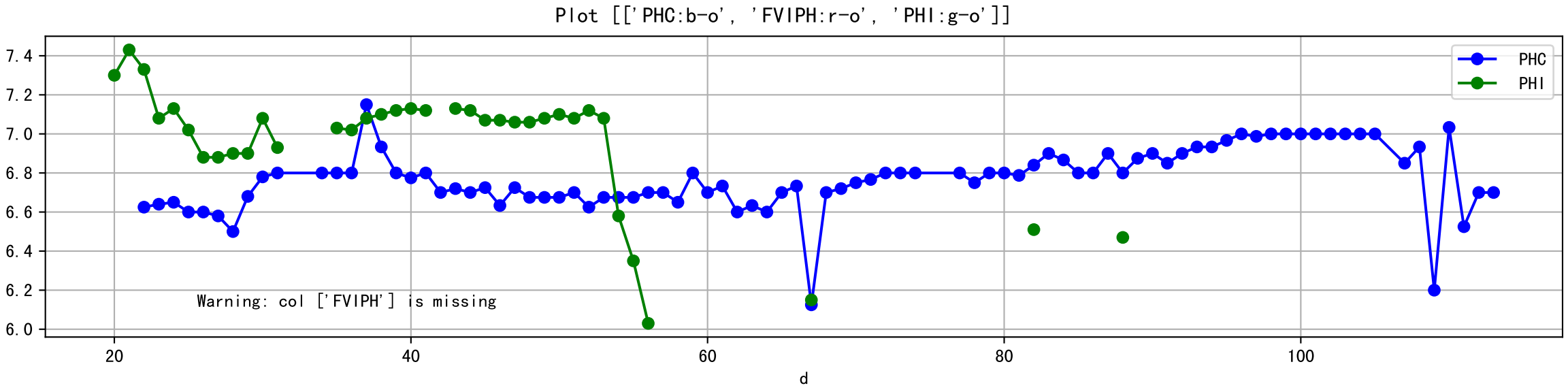

Plot [['setVI_ETcl', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcl
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
0
20
40
60
80
100
120
d

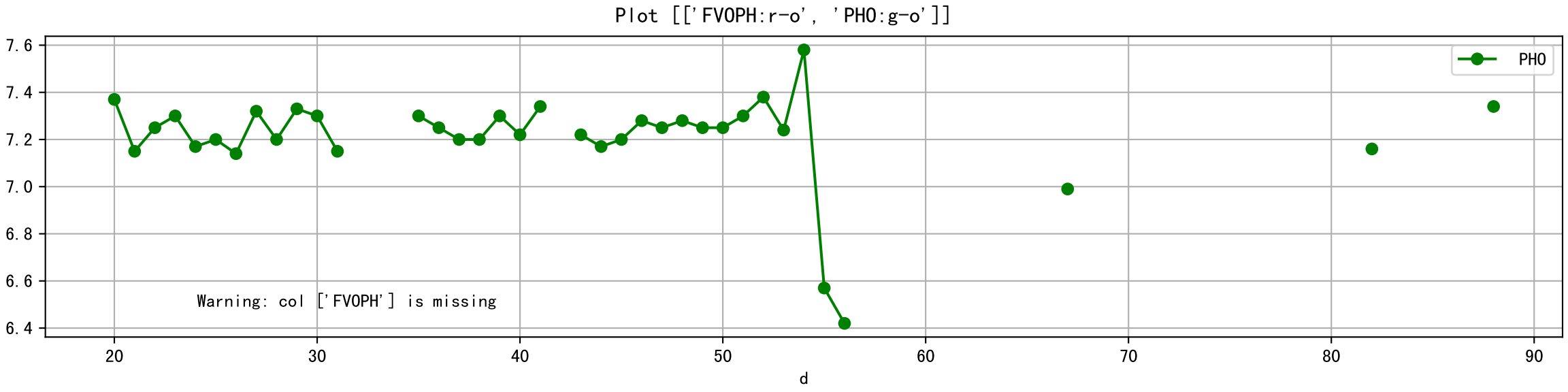

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

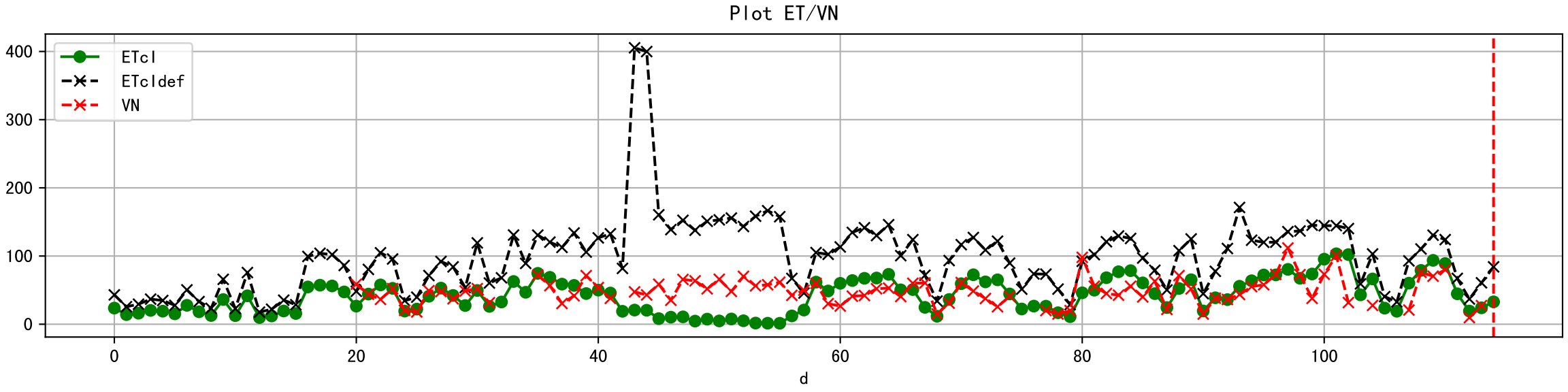

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
200
150
100
50
0
20
40
60
80
100
d


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
d

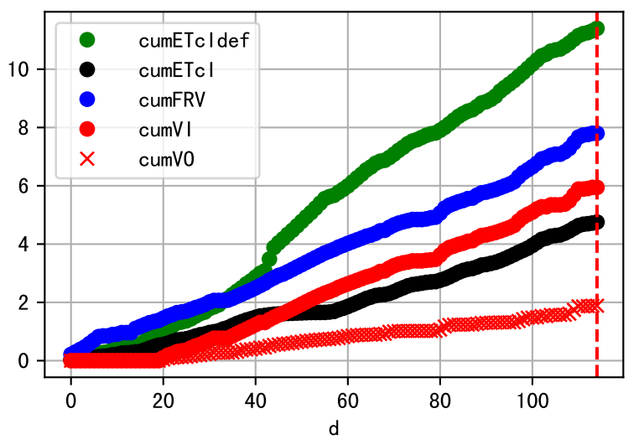

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
d

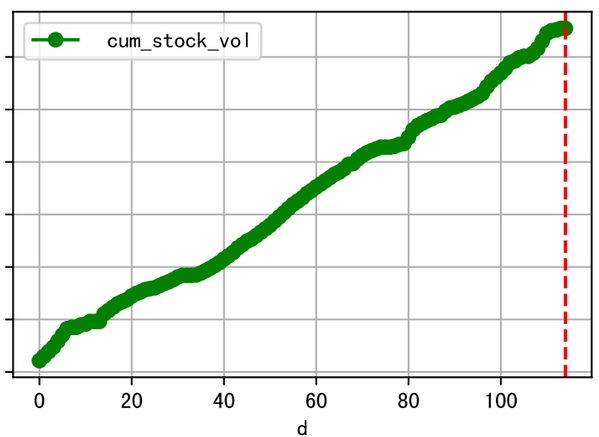

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
d

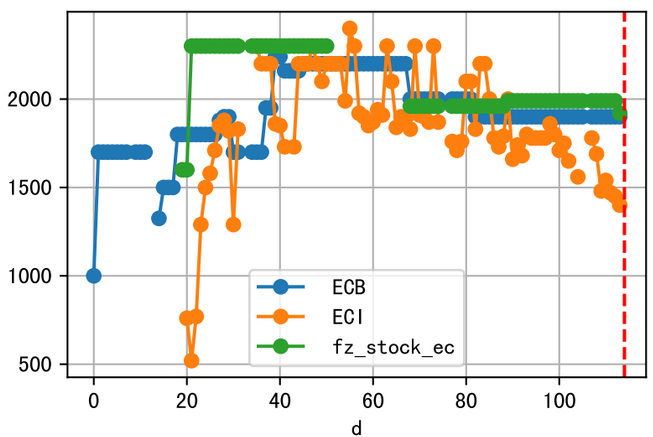

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

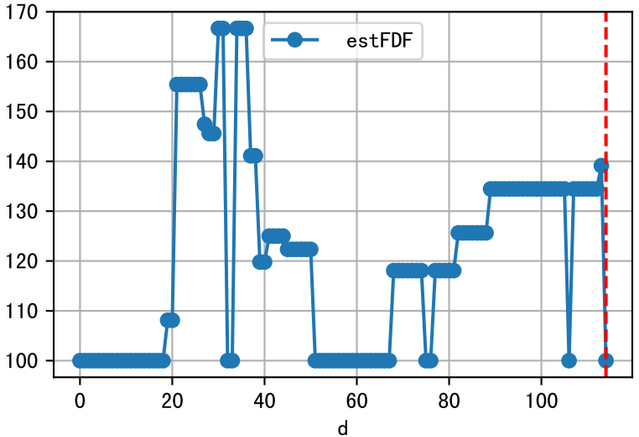

Plot ET/VN
ETcl
ETcldef
VN
400
300
200
100
0
0
20
40
60
80
100
d

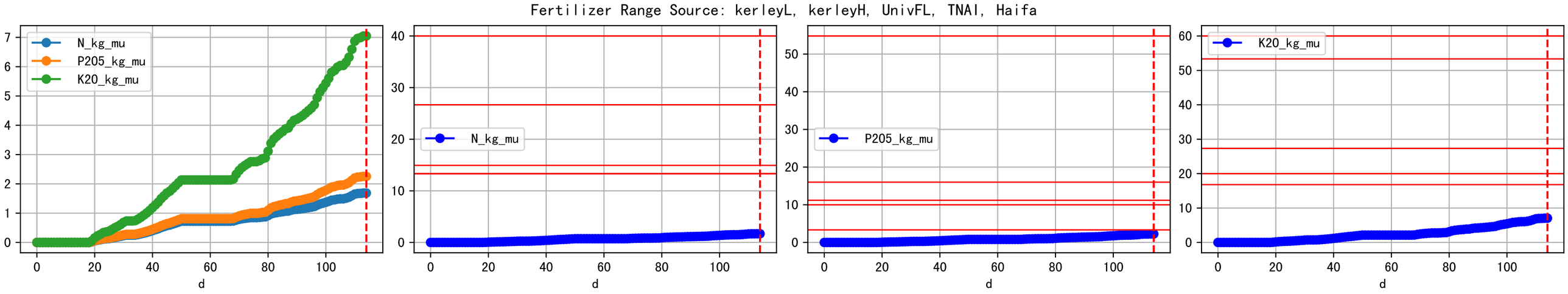
Plot Fv and fertilizer usage

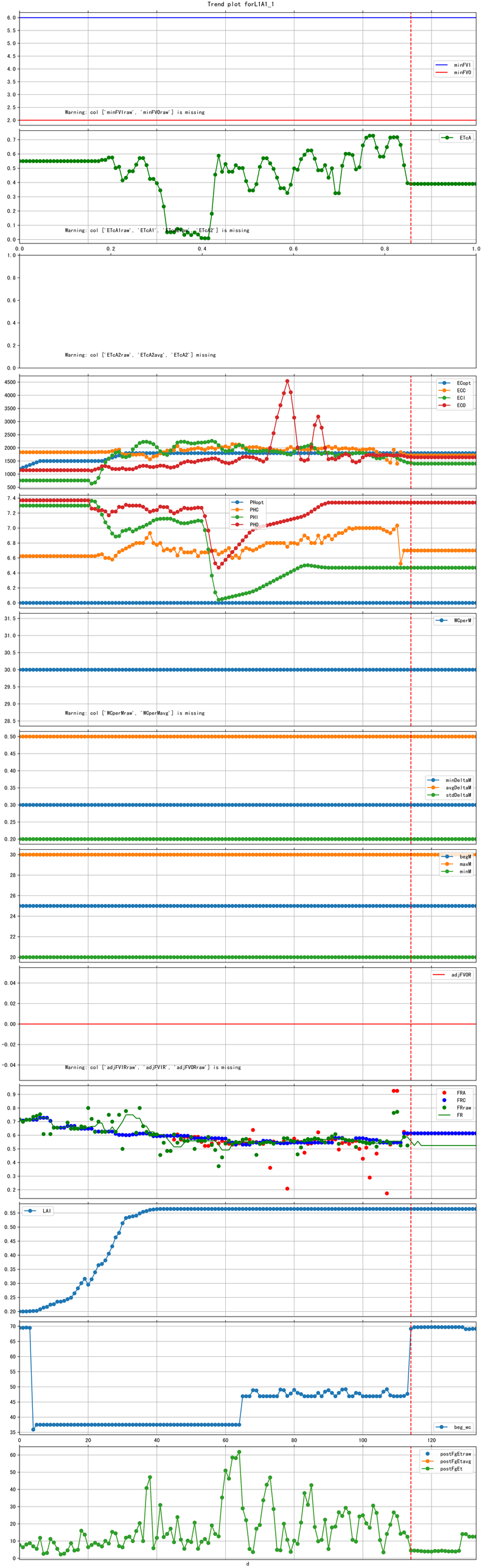


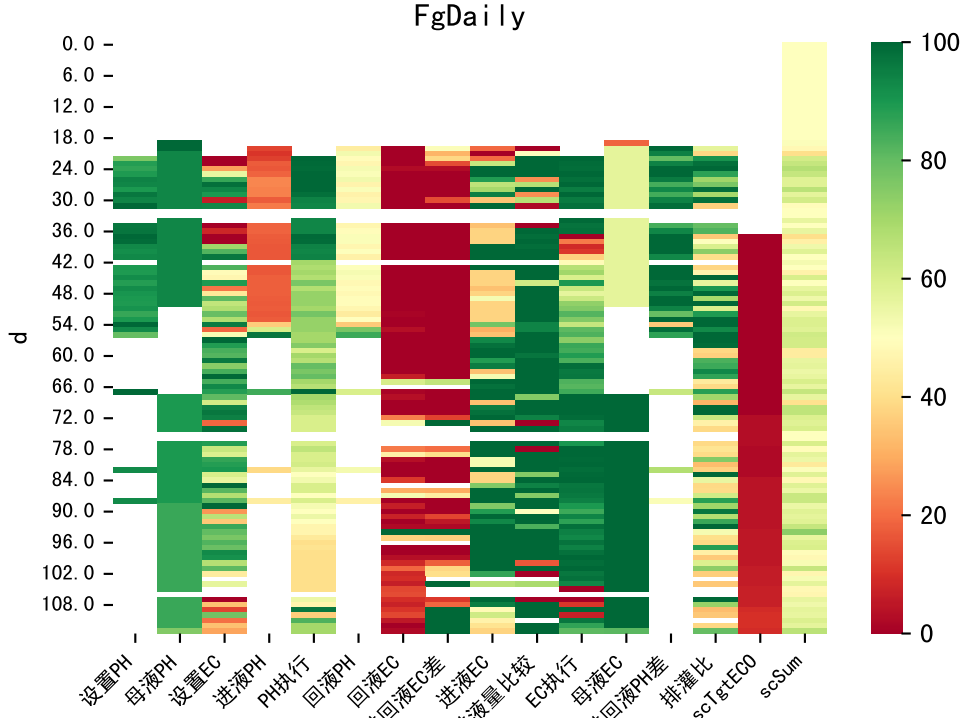




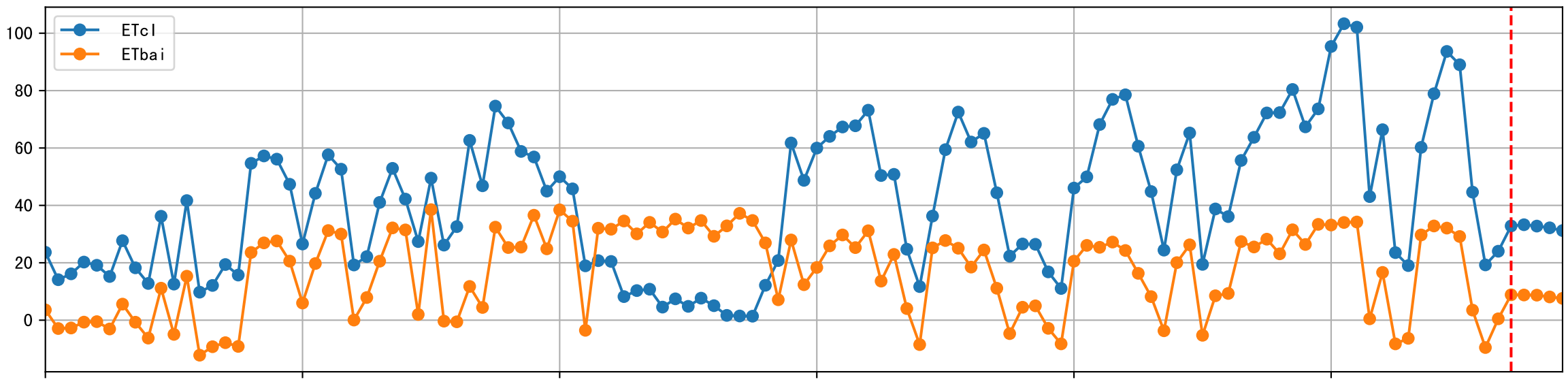


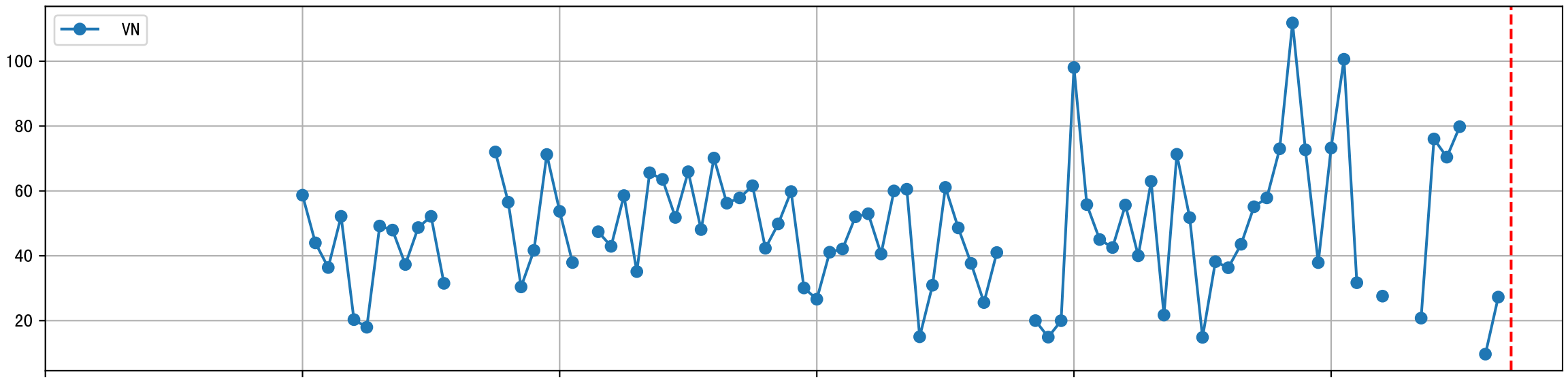

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

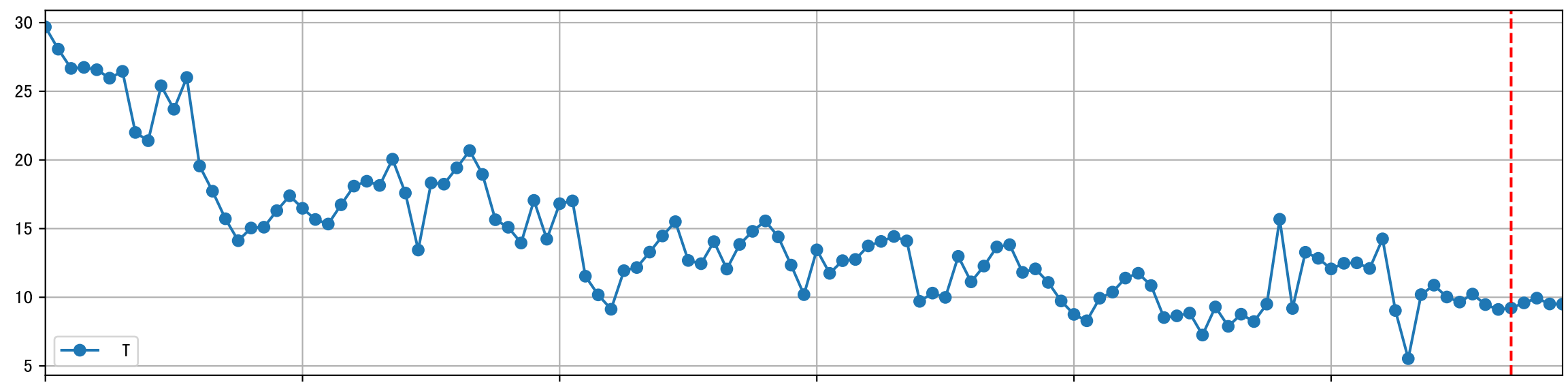

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is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

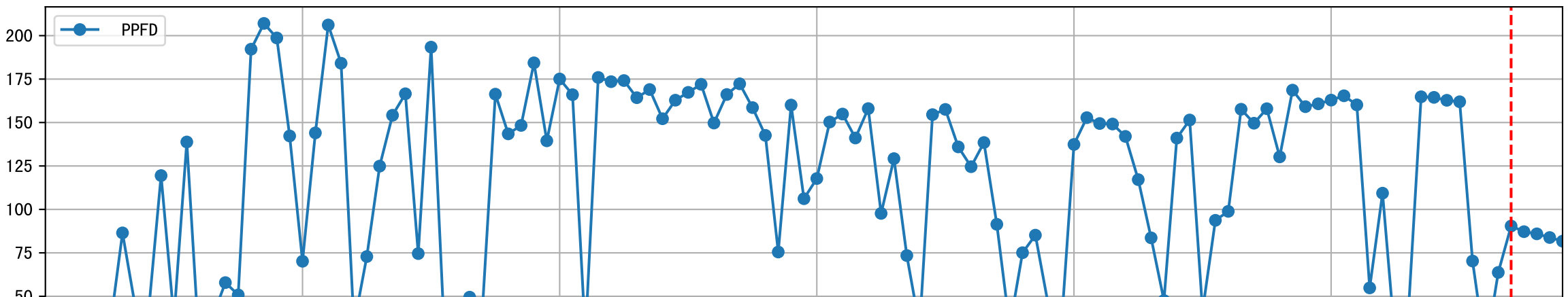

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
100
80
60
40
20
0
设置PH
母液PH
设置EC
进液PH
PH执行
回液PH
回液EC
回液EC差
进液EC
液量比较
EC执行
母液EC
回液PH差
排灌比
scTgtEC0
scSum

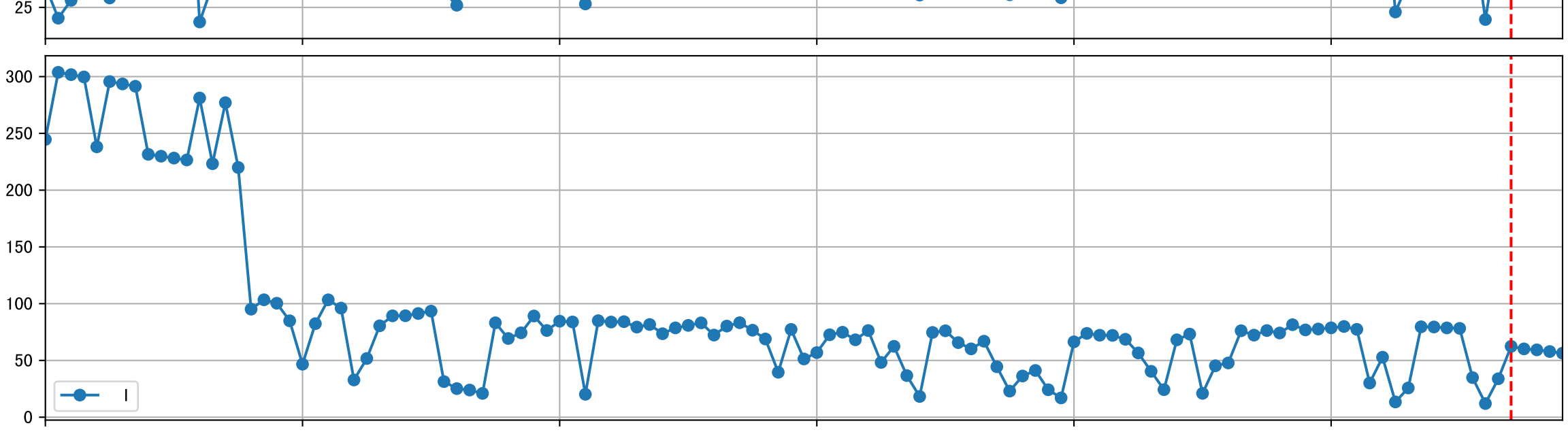
L1A1_1

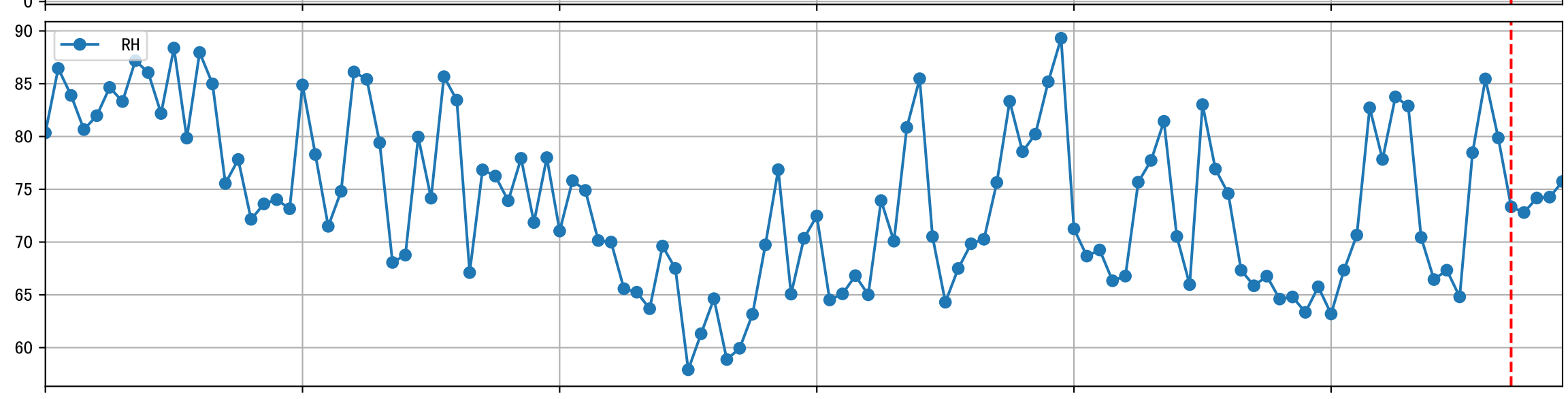


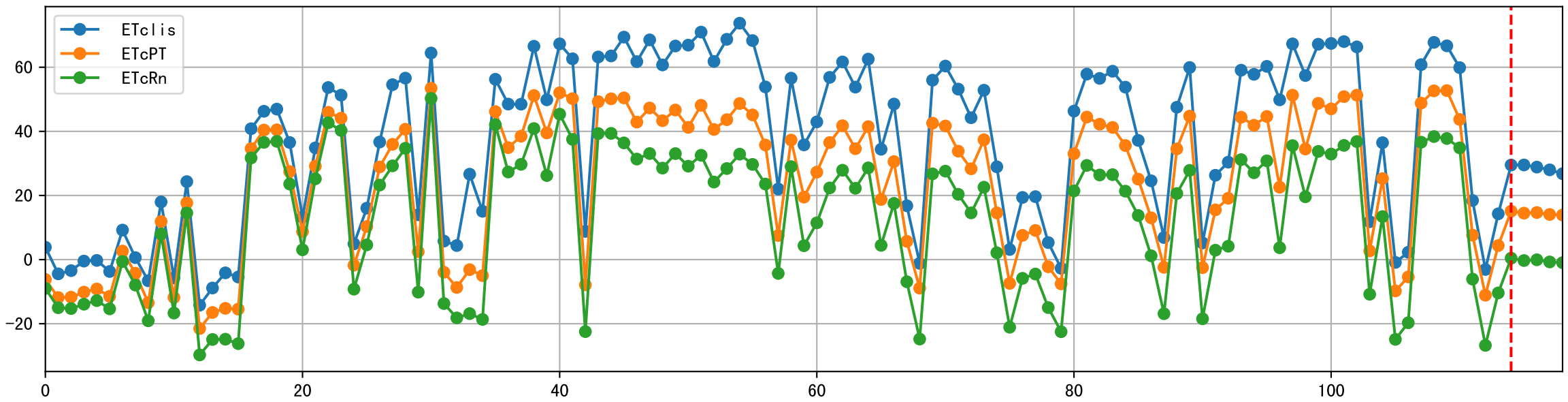


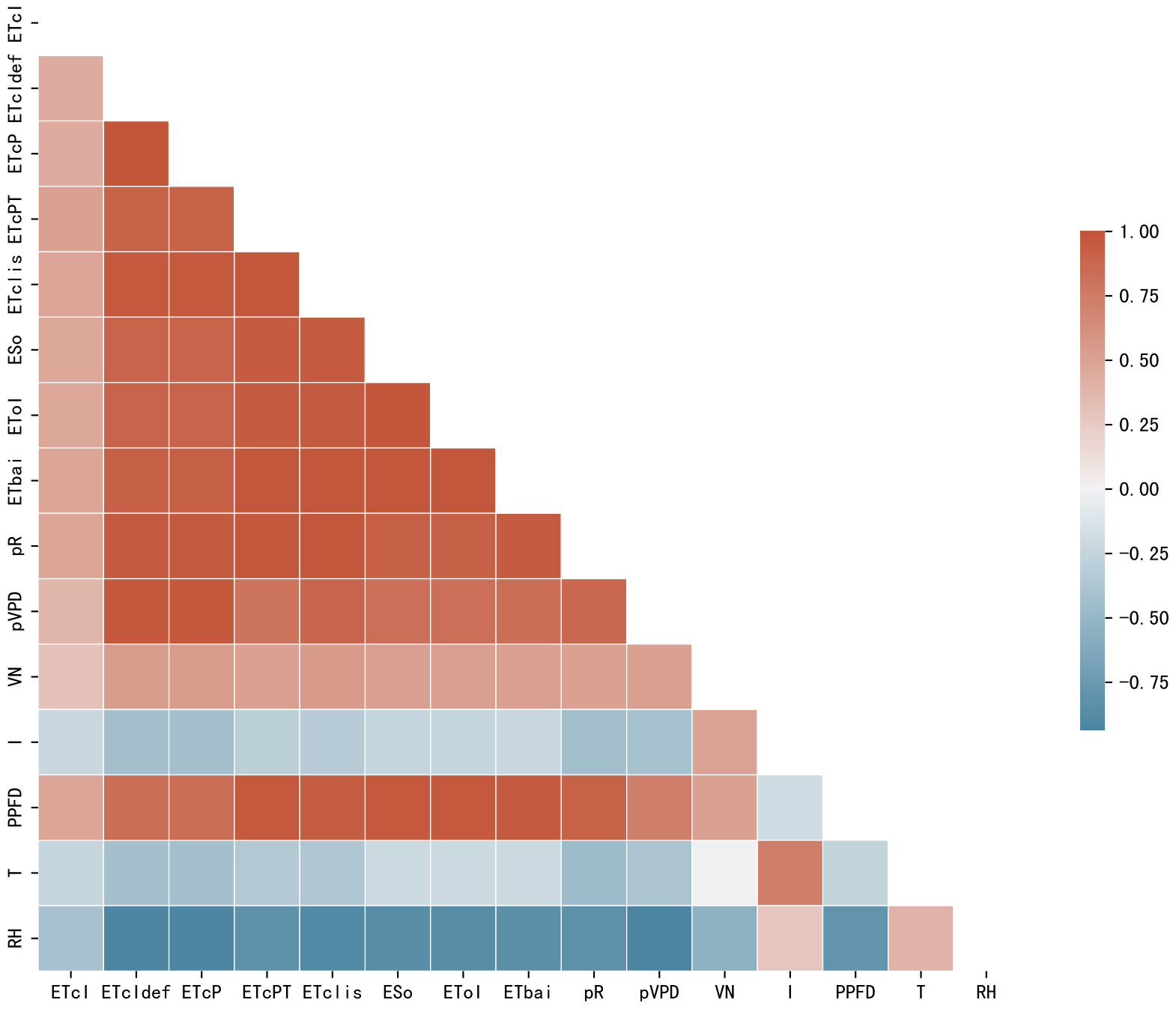


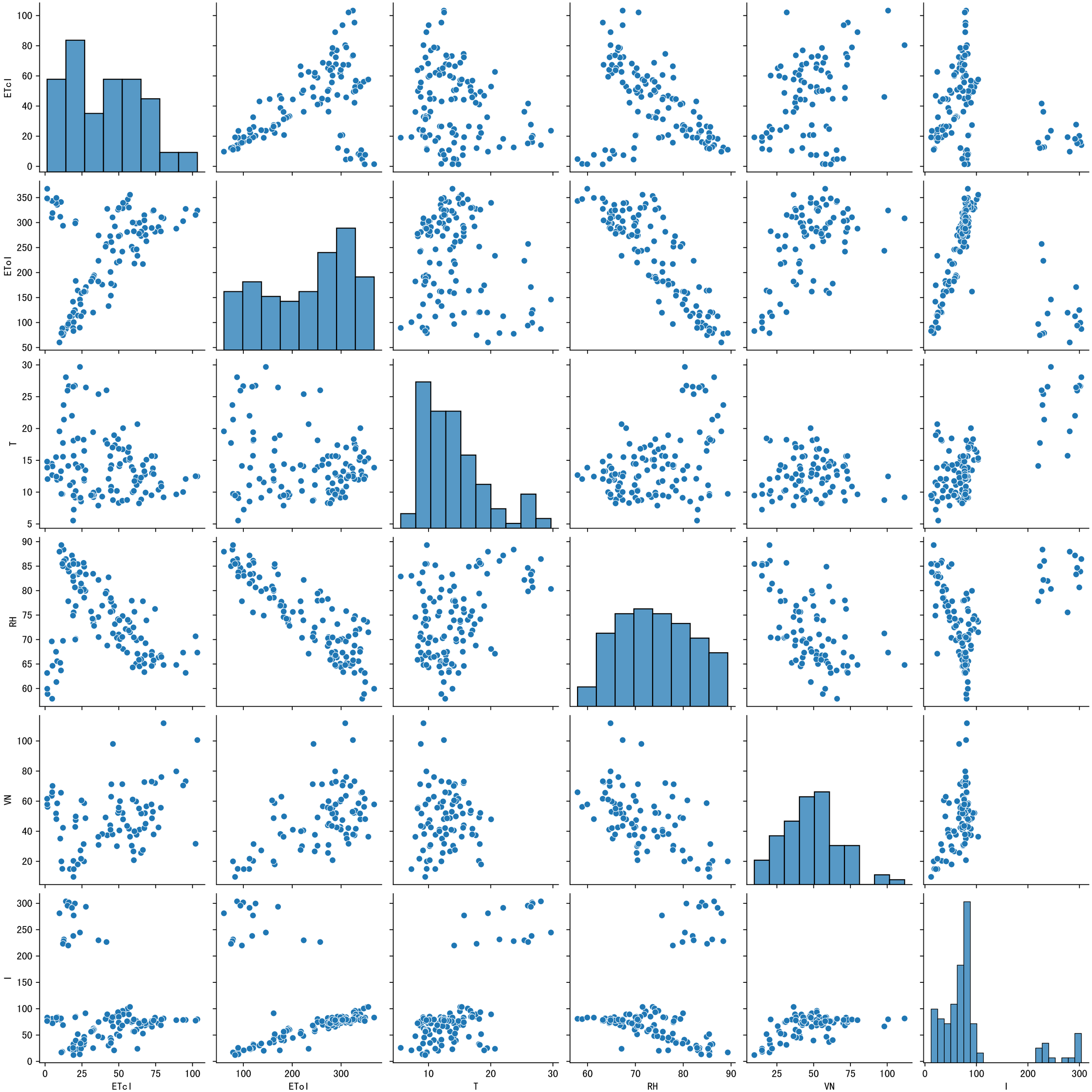


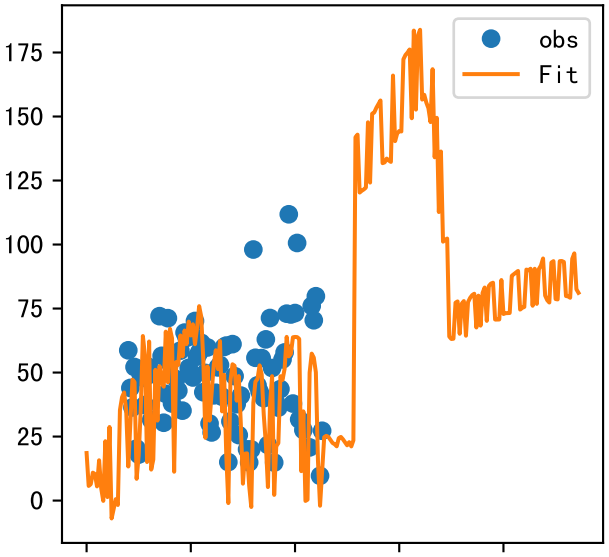


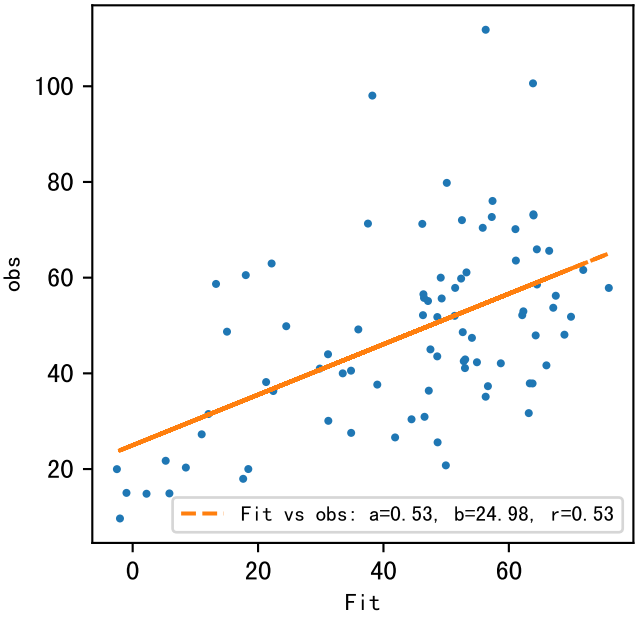




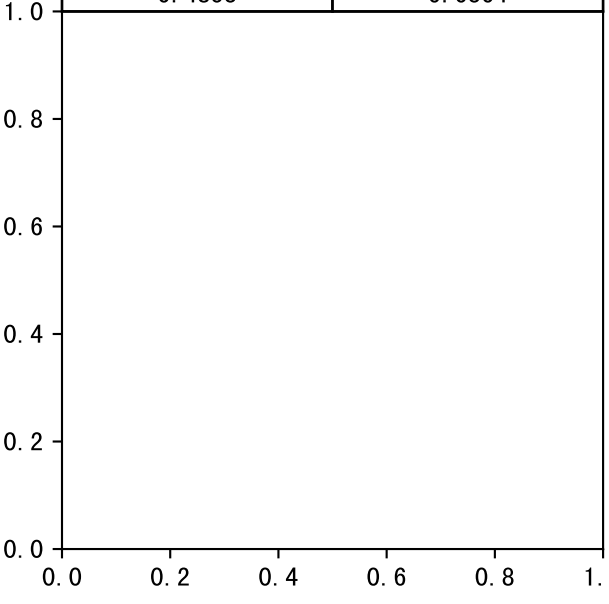

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

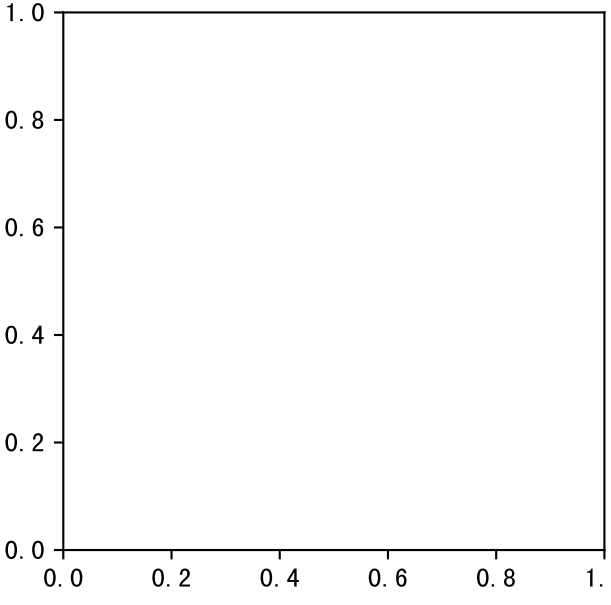

ETcl
ETol
T
RH
VN
I
0
20
40
60
80
100
50
100
150
200
250
300
350
5
10
15
20
25
30
60
65
70
75
80
85
90
20
40
60
80
100
0
50
100
150
200
250
300
0
25
50
75
100
100
200
300
10
20
30
60
70
80
90
25
50
75
100
0
100
200
300

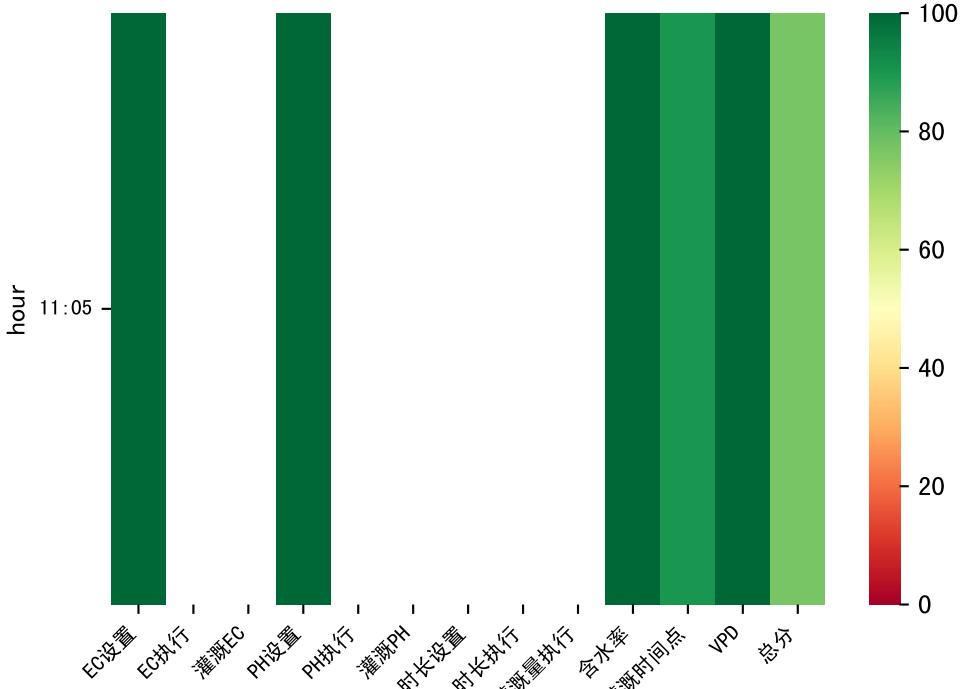




baiA	baiB
0.4853	0.0304

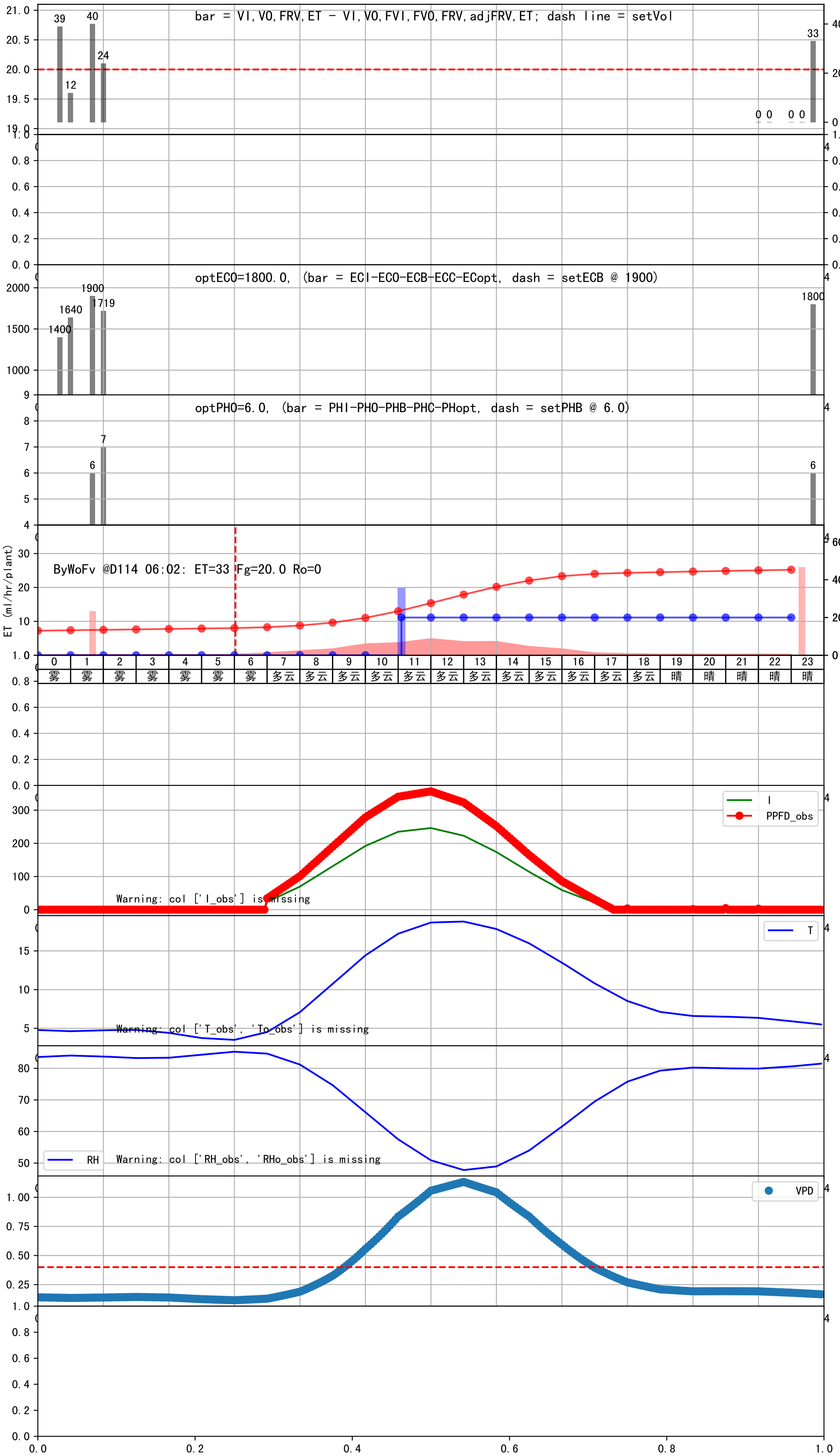


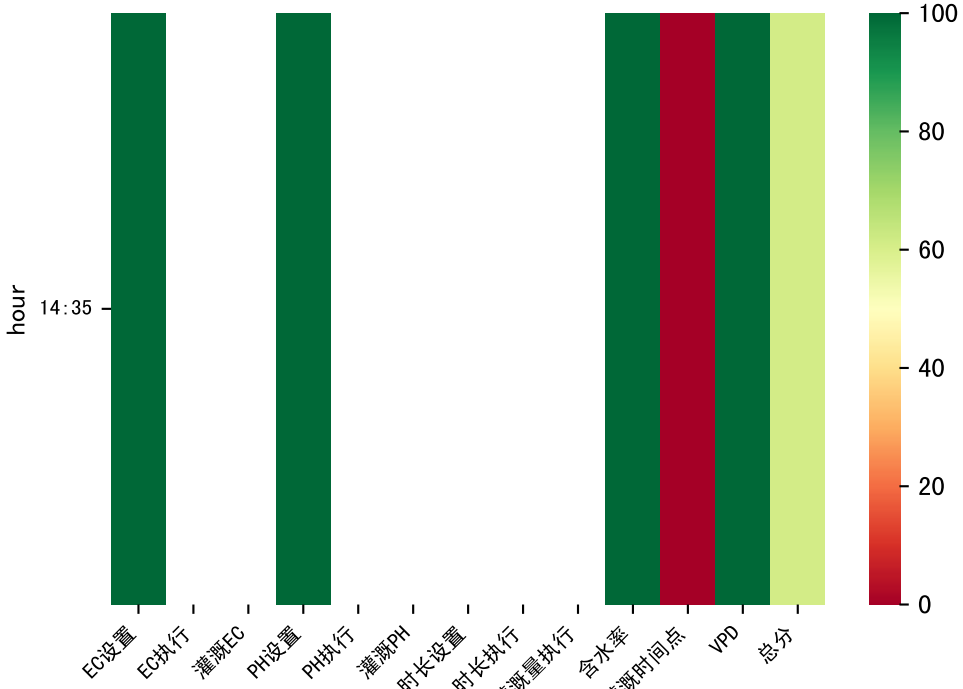



hour
11:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
11:05	36	20.0	0.081	多云	预期@11:05 自主（未用传感器）
总计	36.0 (1次)	20.0			建议进液EC：1900， PH：6.0

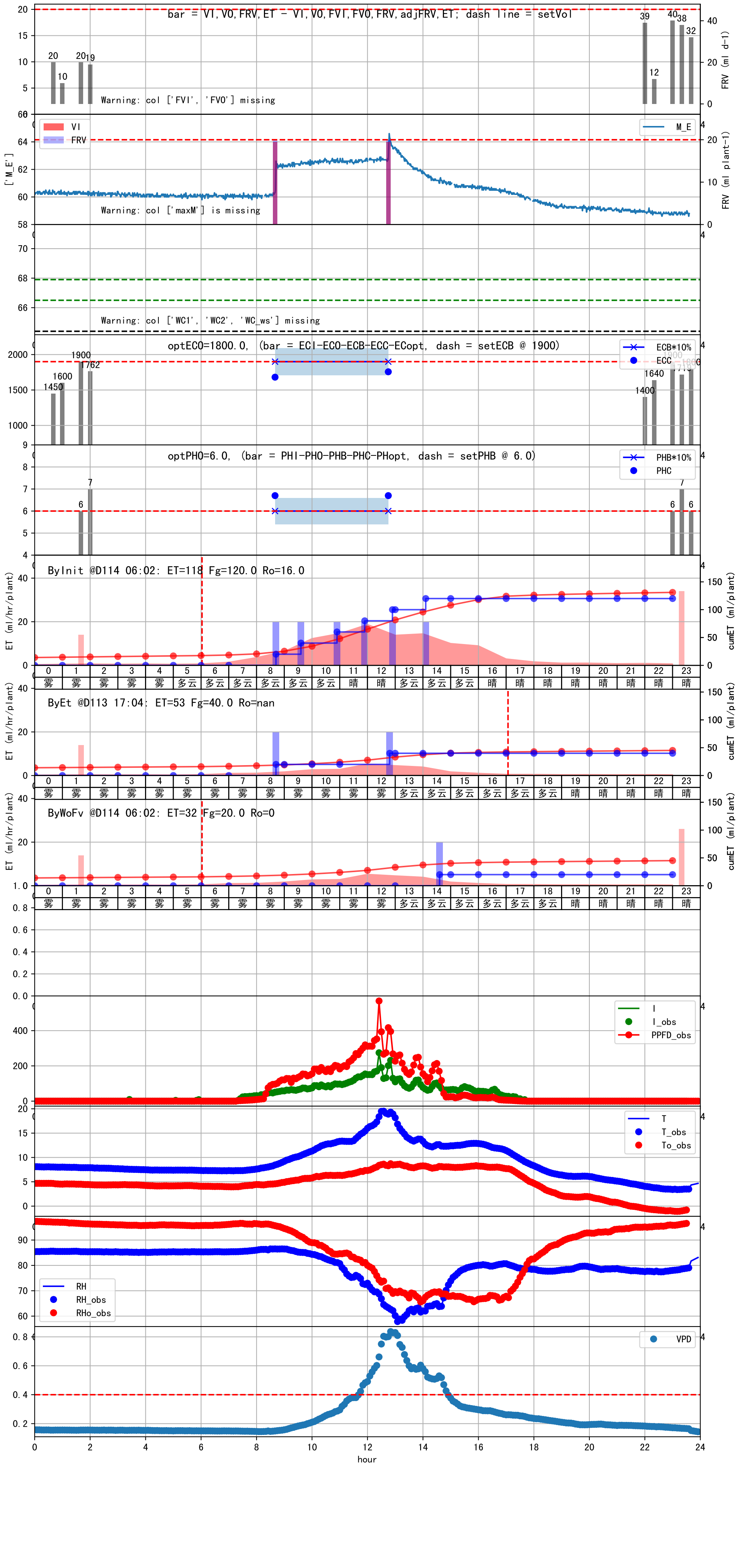
L1A1_1, Day=114 (2026-01-28)

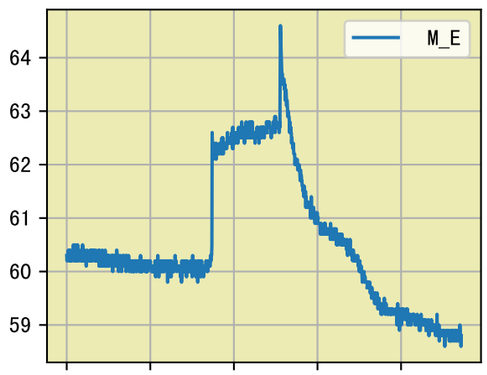


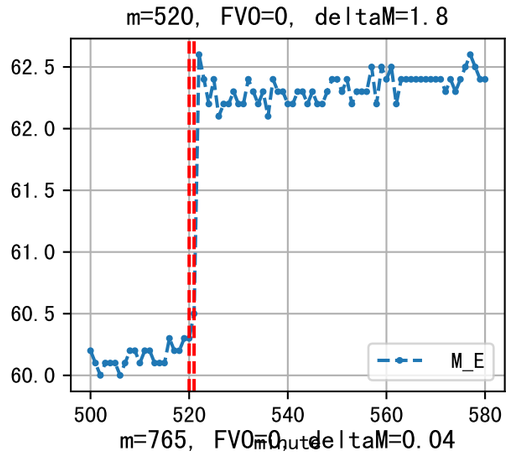

hour
14:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

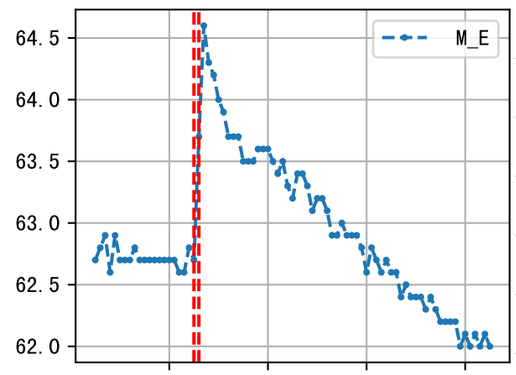
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
14:35	32	20.0	0.081	多云	假设@14:35 自动（未用传感器）
总计	32.0 (1次)	20.0			建议进液EC：1900， PH：6.0

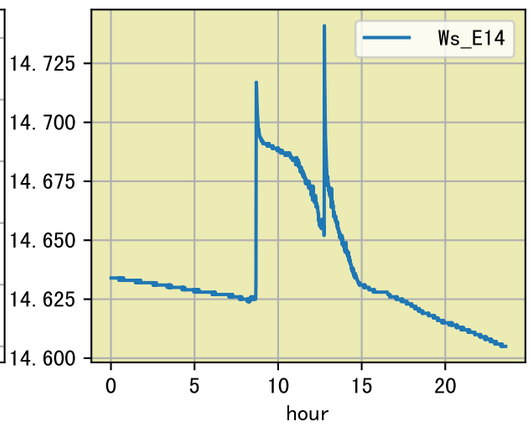
L1A1_1, Day=113.0 (2026-01-27)

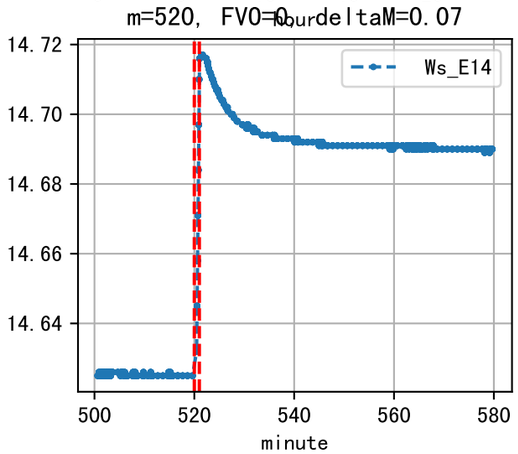


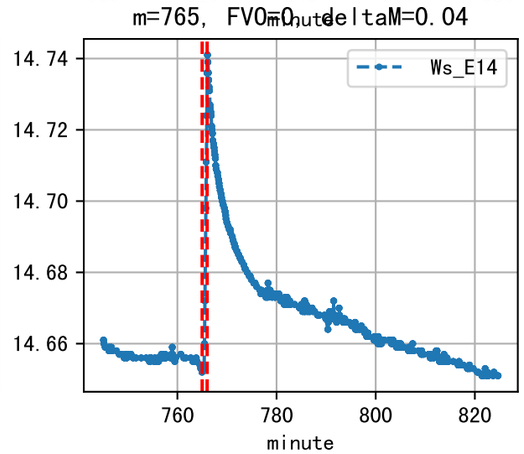

M_E
64
63
62
61
60
59
0
5
10
15
20

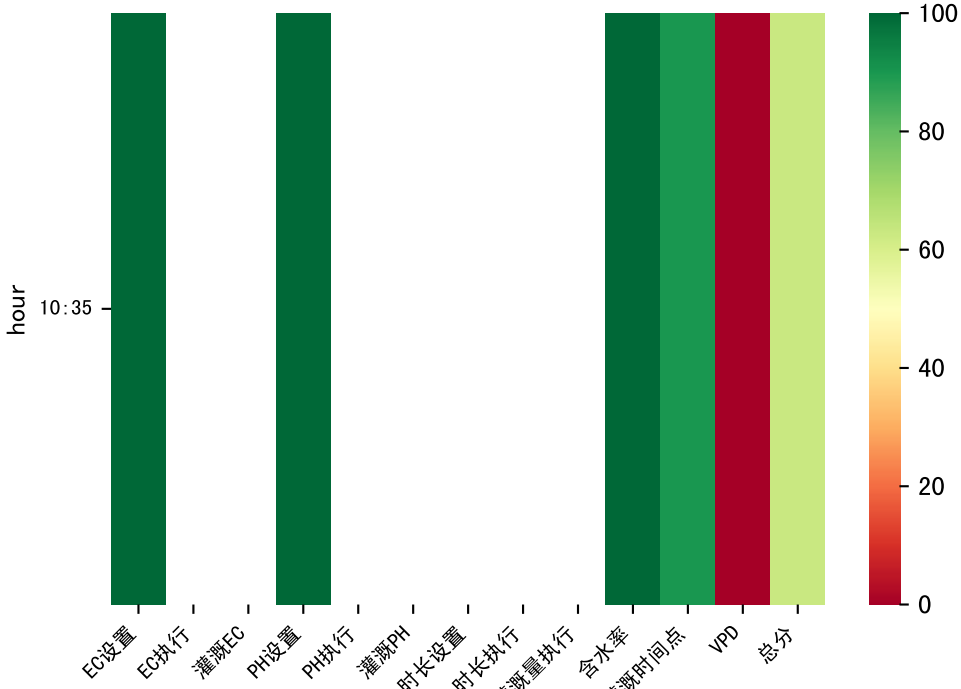

m=520, FV0=0, deltaM=1.8
M_E
62.5
62.0
61.5
61.0
60.5
60.0
500
520
540
560
580


m=765, FV0=0, deltaM=1.2
M_E
64.5
64.0
63.5
63.0
62.5
62.0
760
780
800
820
minute


Ws_E14
14.725
14.700
14.675
14.650
14.625
14.600
0
5
10
15
20
hour


m=520, FV0=0, deltaM=0.07
Ws_E14
14.72
14.70
14.68
14.66
14.64
500
520
540
560
580
minute

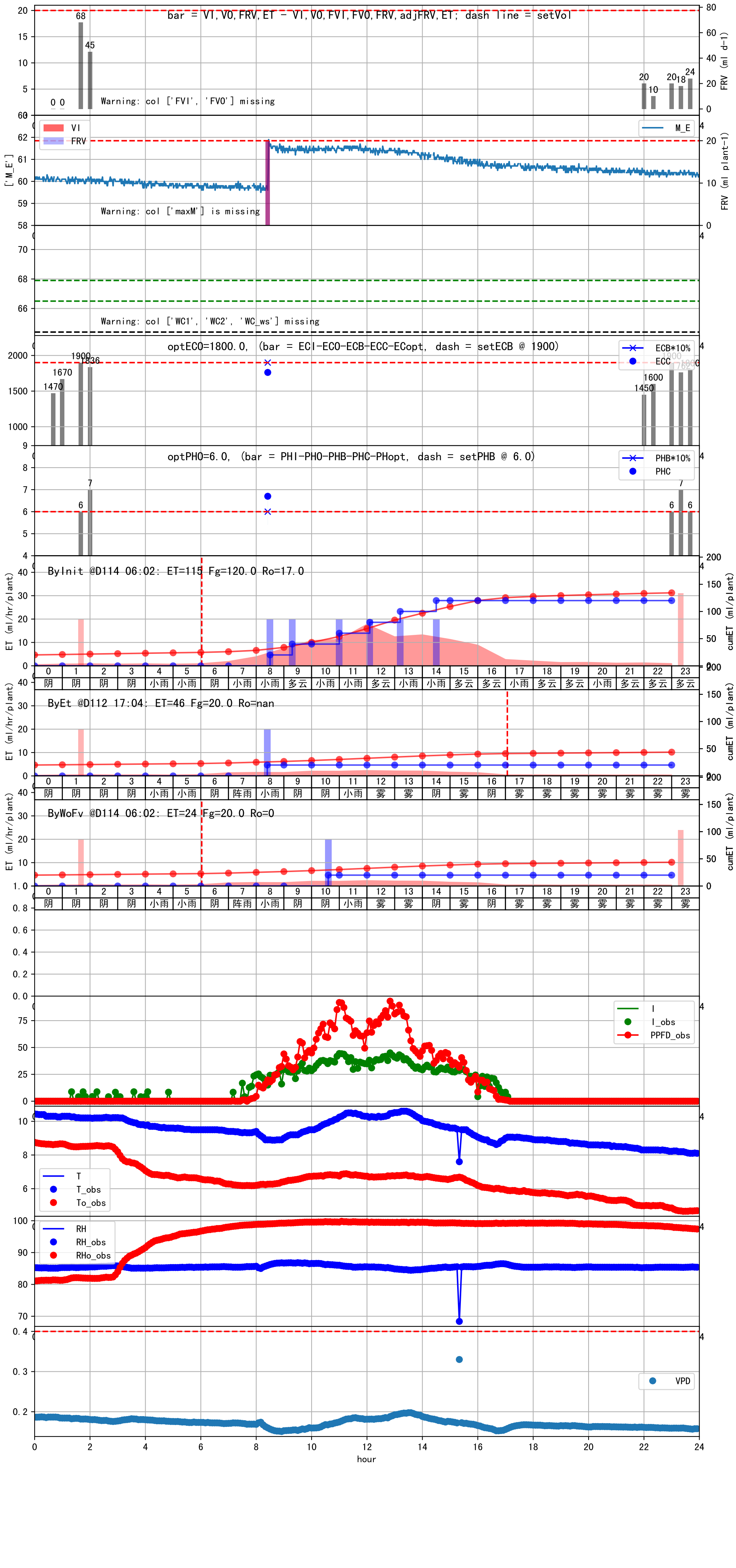

m=765, FV0=0, deltaM=0.04
Ws_E14
14.74
14.72
14.70
14.68
14.66
760
780
800
820
minute

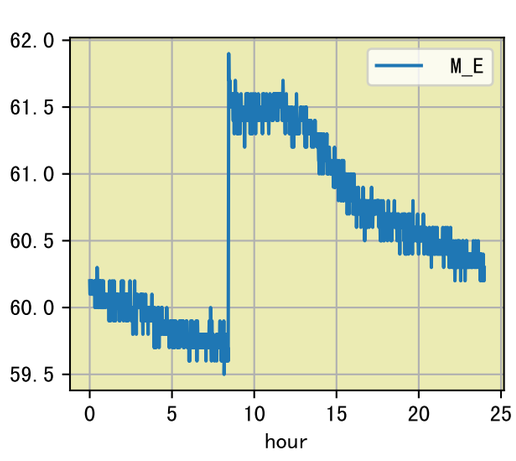

hour
10:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

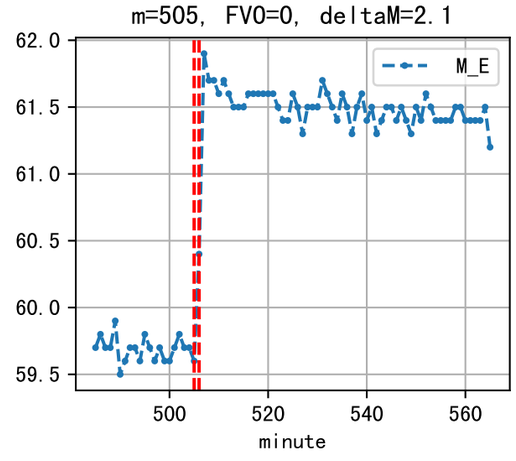
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:35	32	20.0	0.081	阴	假设@10:35 自动（未用传感器）
总计	32.0 (1次)	20.0			建议进液EC：1900， PH：6.0

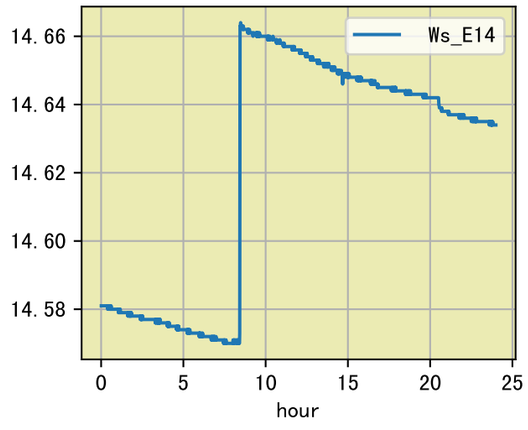
上次灌溉流速比过去5天平均大 (0.61 vs 0.55)，可能管道压力异常或有管道漏水
上次灌溉时长未按模型建议(32 vs 36.0))
默认实际灌溉18.0 ml.

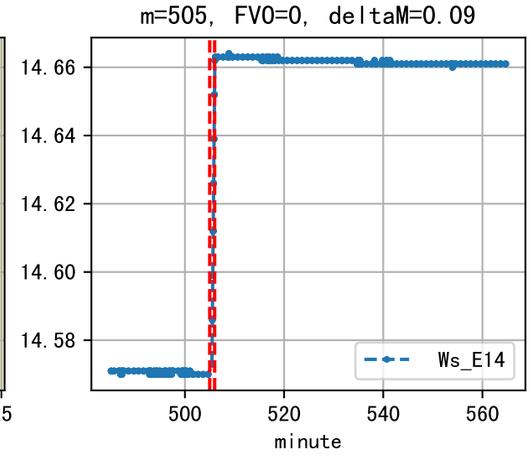
L1A1_1, Day=112.0 (2026-01-26)

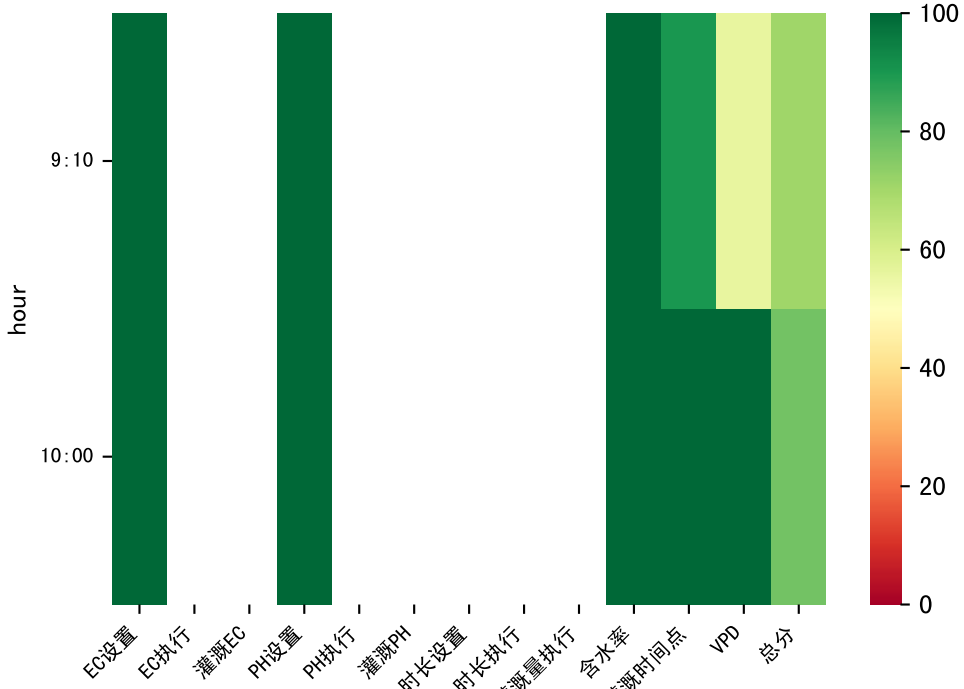



M_E
62.0
61.5
61.0
60.5
60.0
59.5
0
5
10
15
20
25
hour


m=505, FVO=0, deltaM=2.1
M_E
62.0
61.5
61.0
60.5
60.0
59.5
500
520
540
560
minute


Ws_E14
14.66
14.64
14.62
14.60
14.58
0
5
10
15
20
25
hour

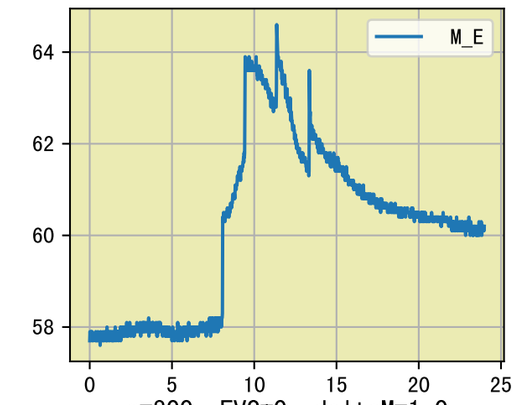

m=505, FVO=0, deltaM=0.09
Ws_E14
14.66
14.64
14.62
14.60
14.58
500
520
540
560
minute

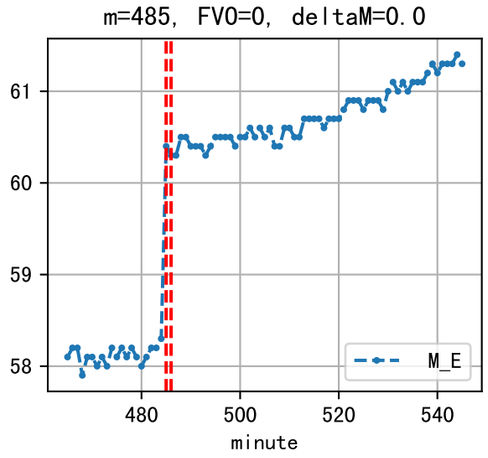

hour
9:10
10:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

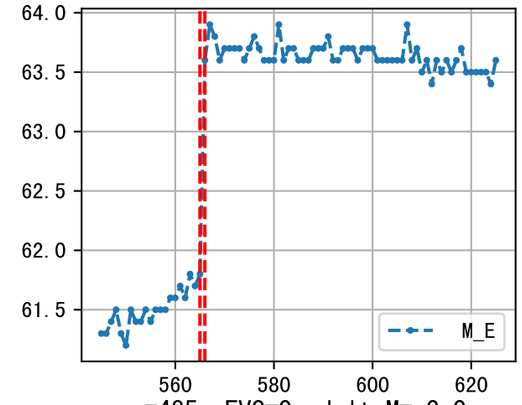
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:10	32	20.0	0.081	雾	假设@09:10 自动（未用传感器）
10:00	32	20.0	0.081	雾	假设@10:00 自动（未用传感器）
总计	64.0 (2次)	40.0			建议进液EC：1900， PH：6.0

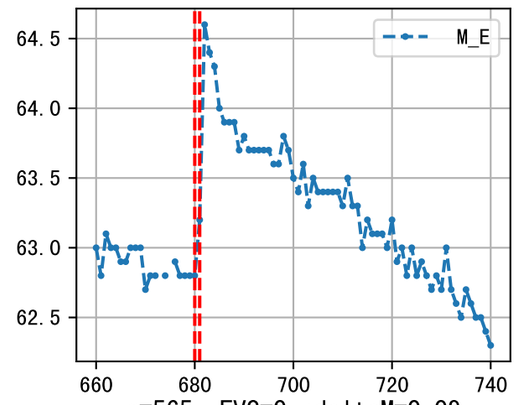
上次灌溉时长未按模型建议(32 vs 36.0))
默认实际灌溉18.0 ml.

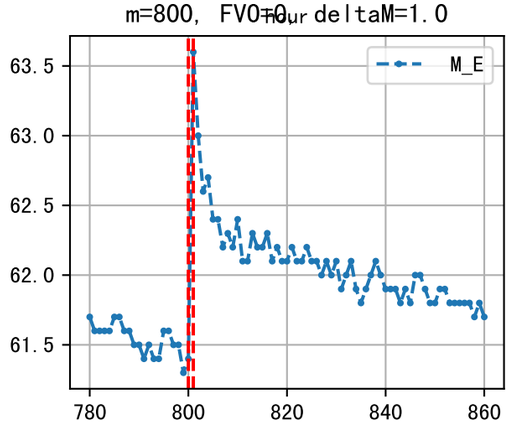
L1A1_1, Day=111.0 (2026-01-25)

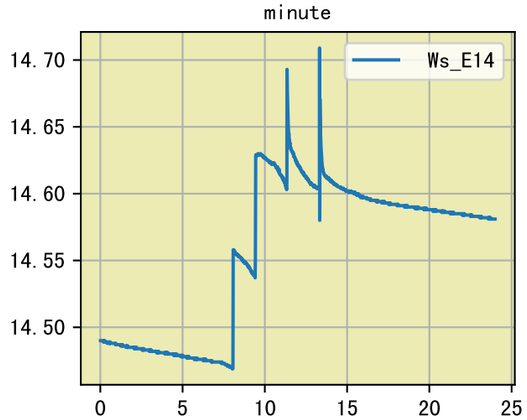

M_E

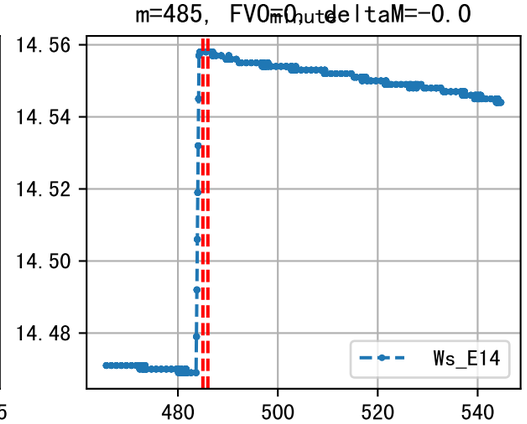

m=485, FV0=0, deltaM=0.0
M_E
minute

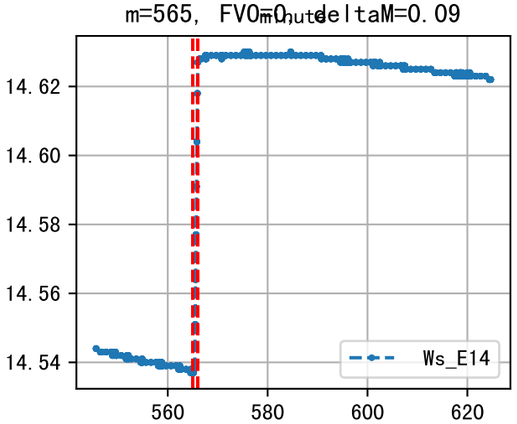

m=565, FV0=0, deltaM=1.9
M_E

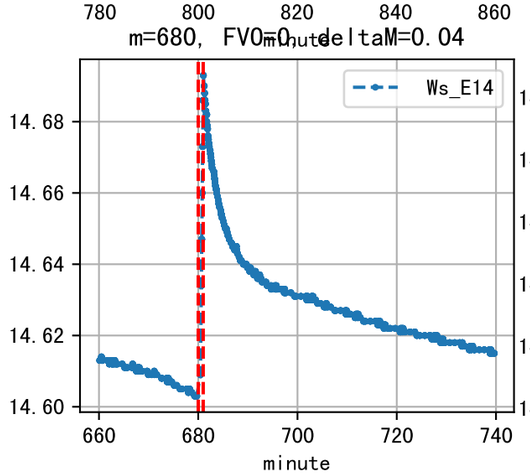

m=680, FV0=0, deltaM=1.1
M_E

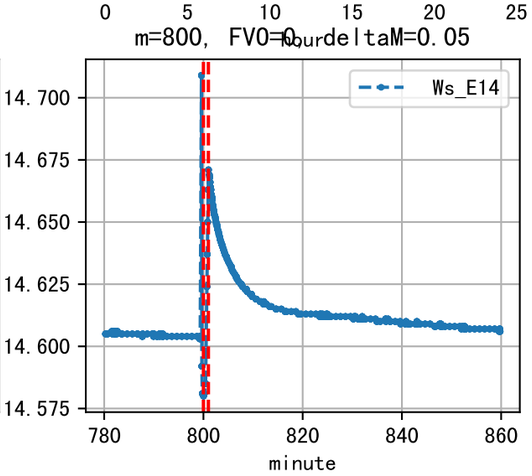

m=800, FV0=0, deltaM=1.0
M_E
minute

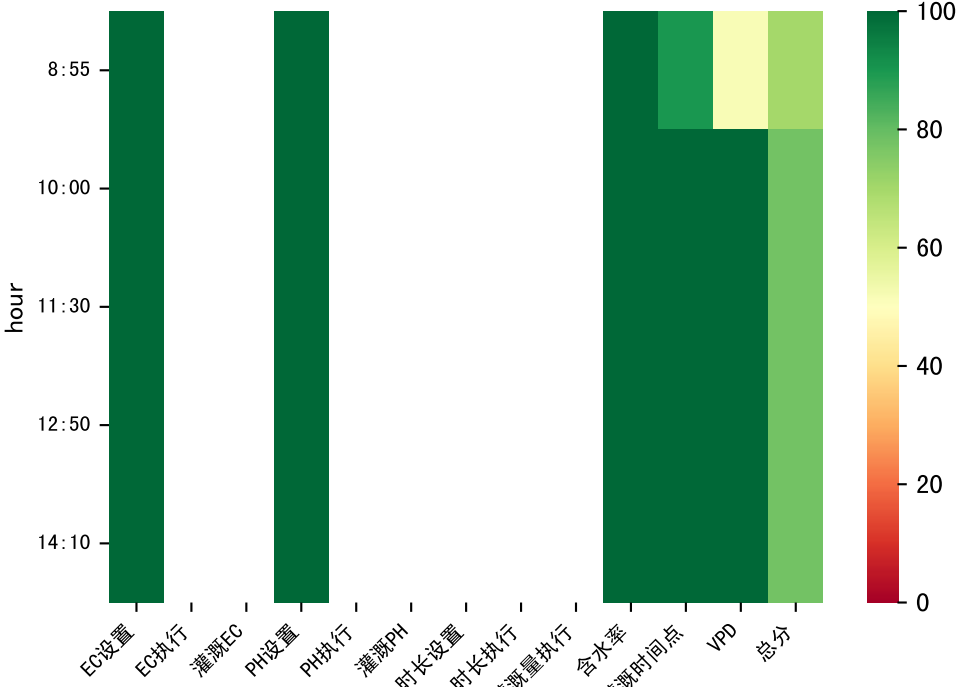

Ws_E14
minute


m=485, FV0=0, deltaM=-0.0
Ws_E14
minute


m=565, FV0=0, deltaM=0.09
Ws_E14
minute


m=680, FV0=0, deltaM=0.04
Ws_E14
minute

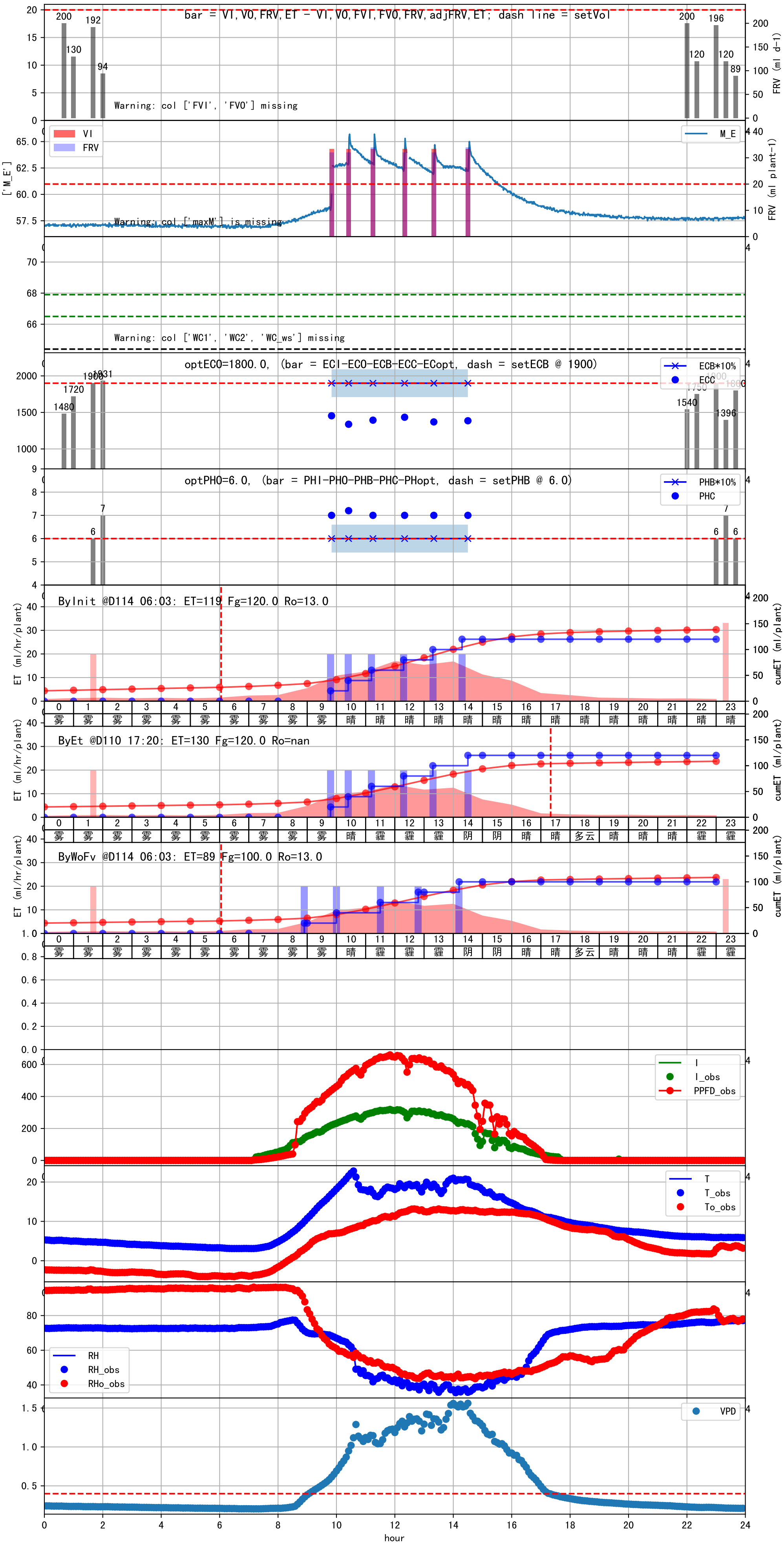

m=800, FV0=0, deltaM=0.05
Ws_E14
minute

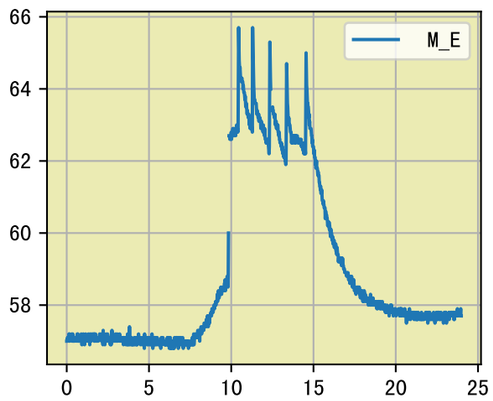

hour
8:55
10:00
11:30
12:50
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

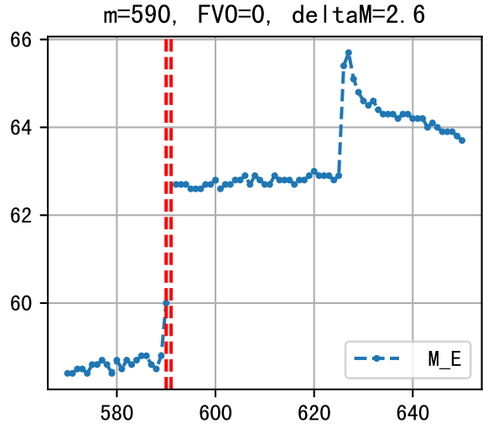
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:55	36	20.0	0.081	雾	假设@08:55 自动（未用传感器）
10:00	36	20.0	0.081	晴	假设@10:00 自动（未用传感器）
11:30	36	20.0	0.081	霾	假设@11:30 自动（未用传感器）
12:50	36	20.0	0.081	霾	假设@12:50 自动（未用传感器）
14:10	36	20.0	0.081	阴	假设@14:10 自动（未用传感器）
总计	180.0 (5次)	100.0			建议进液EC：1900， PH：6.0

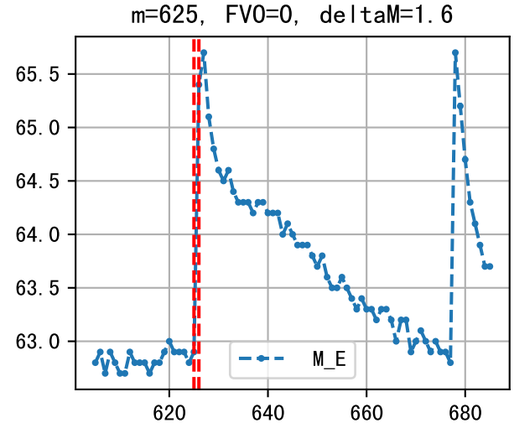
上次灌溉流速比过去5天平均大 (0.96 vs 0.55)，可能管道压力异常或有管道漏水
施肥机灌溉量与预期值不符 (34.0 : 20.0)，可能水表需要校准
默认实际灌溉20.0 ml.

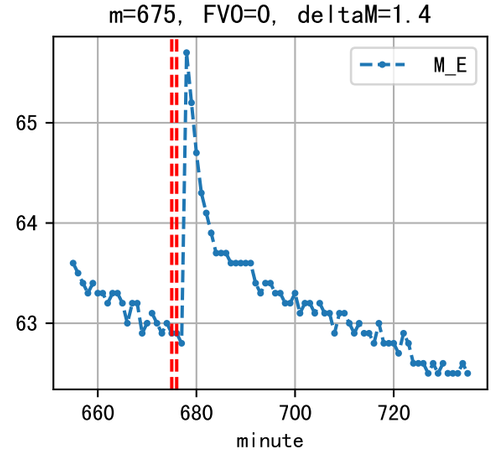
L1A1_1, Day=110.0 (2026-01-24)

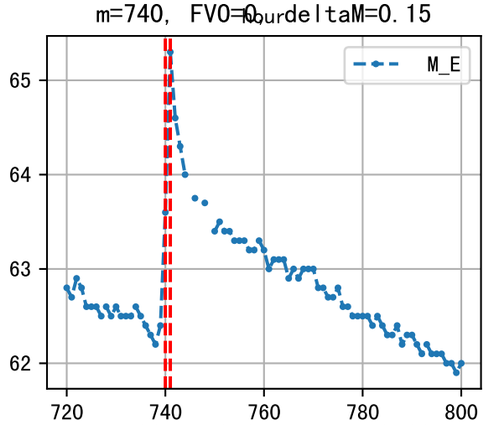


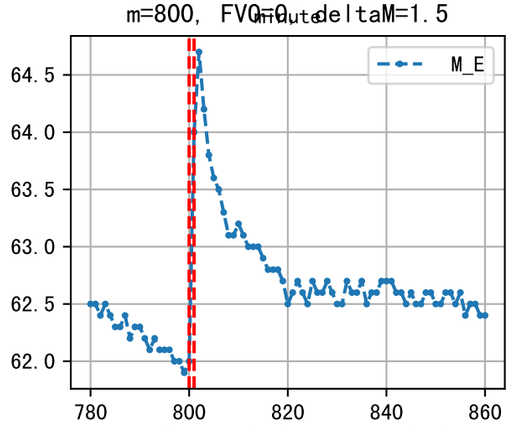

M_E

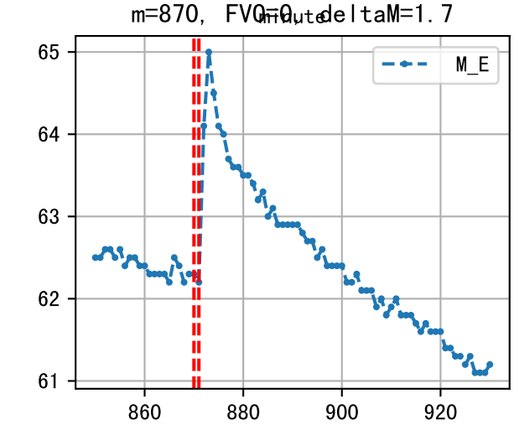

m=590, FVO=0, deltaM=2.6
M_E

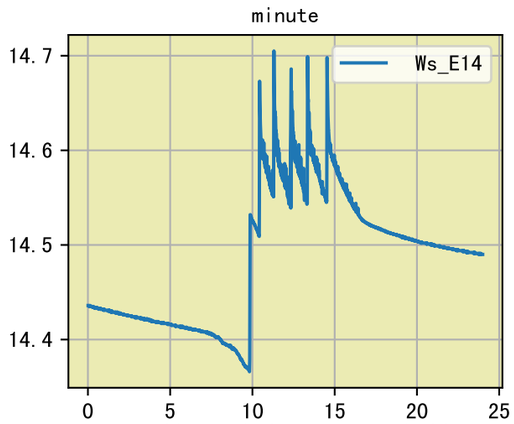

m=625, FVO=0, deltaM=1.6
M_E

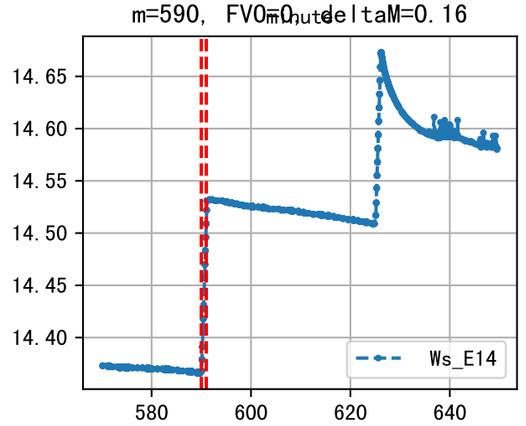

m=675, FVO=0, deltaM=1.4
M_E
minute

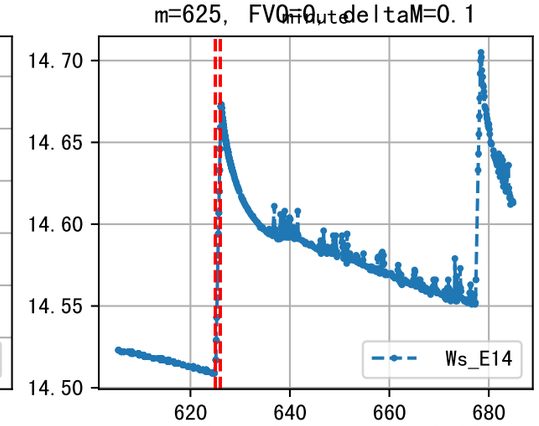

m=740, FVO=0, deltaM=0.15
M_E
minute

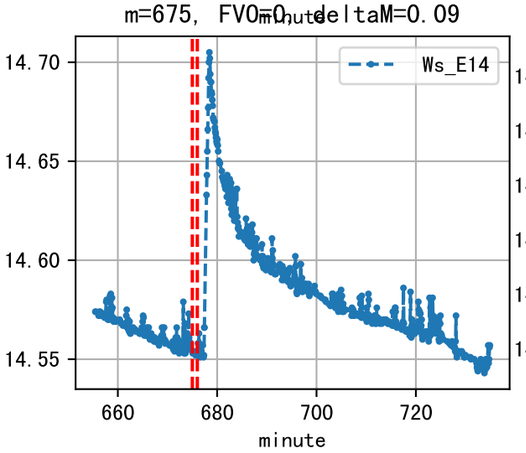

m=800, FVO=0, deltaM=1.5
M_E
minute

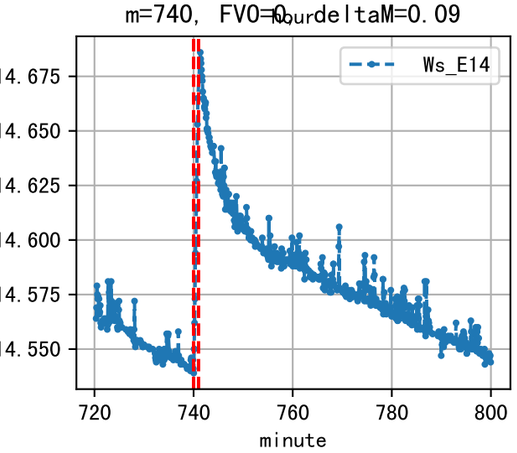

m=870, FVO=0, deltaM=1.7
M_E
minute

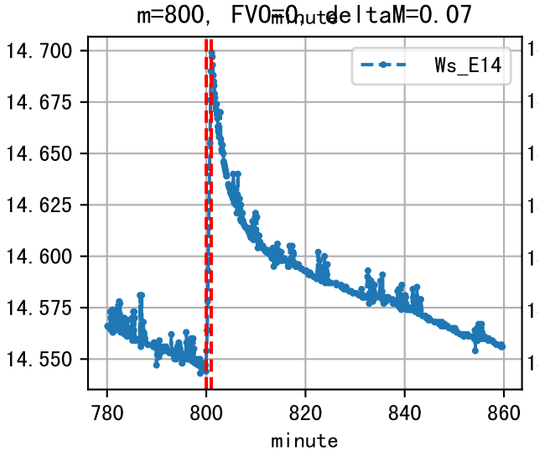

Ws_E14

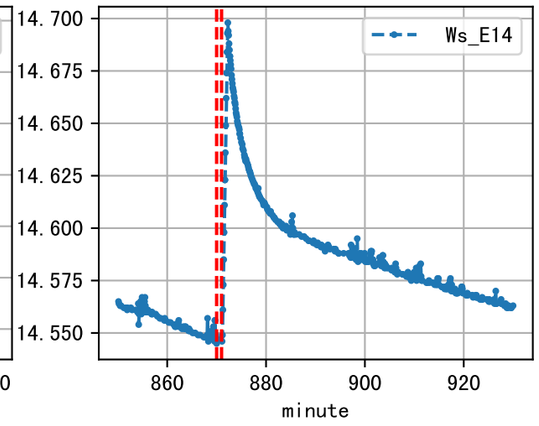

m=590, FVO=0, deltaM=0.16
Ws_E14
minute


m=625, FVO=0, deltaM=0.1
Ws_E14
minute


m=675, FVO=0, deltaM=0.09
Ws_E14
minute


m=740, FVO=0, deltaM=0.09
Ws_E14
minute


m=800, FVO=0, deltaM=0.07
Ws_E14
minute


m=870, FVO=0, deltaM=0.09
Ws_E14
minute