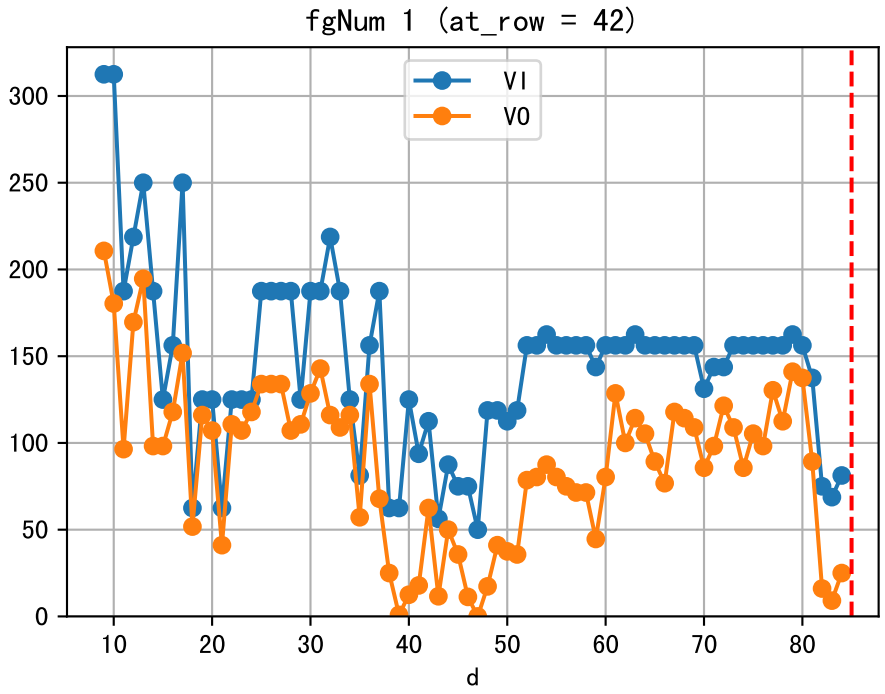
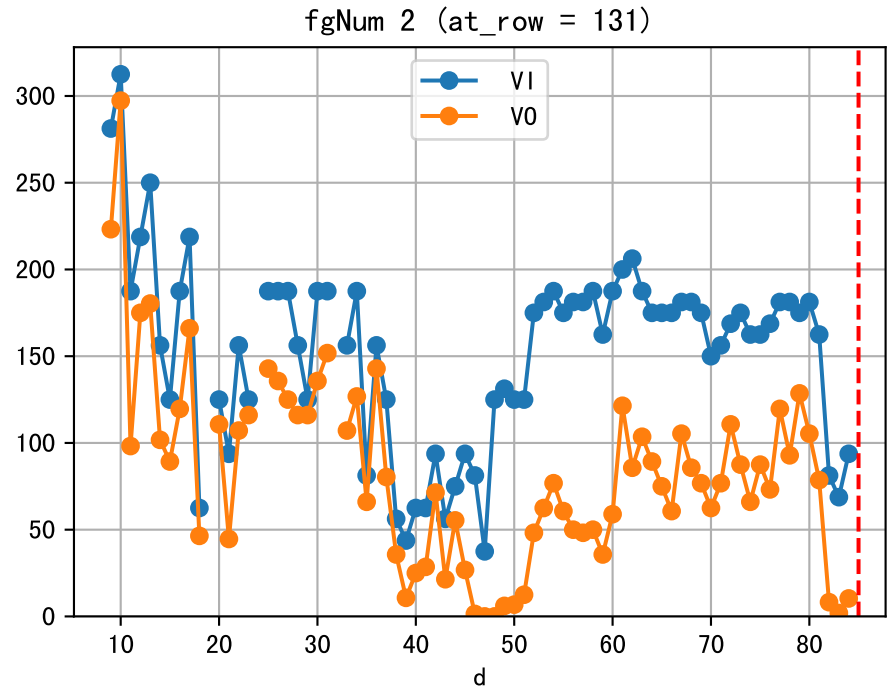
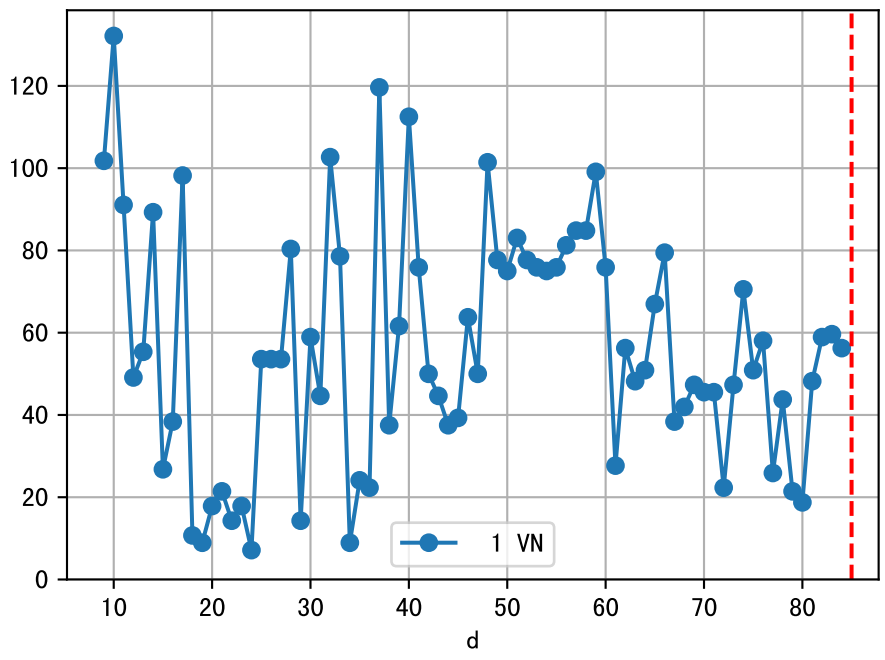
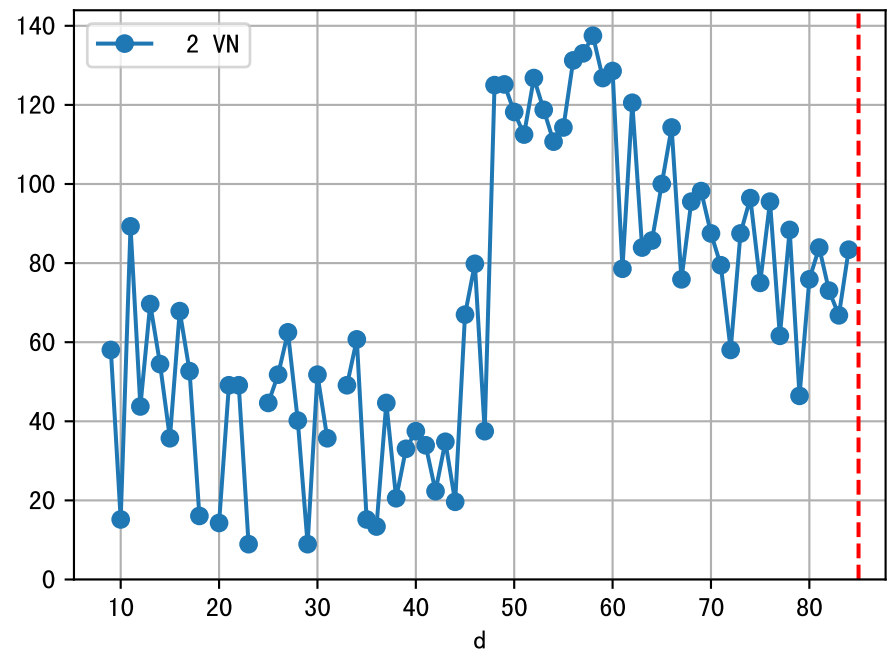
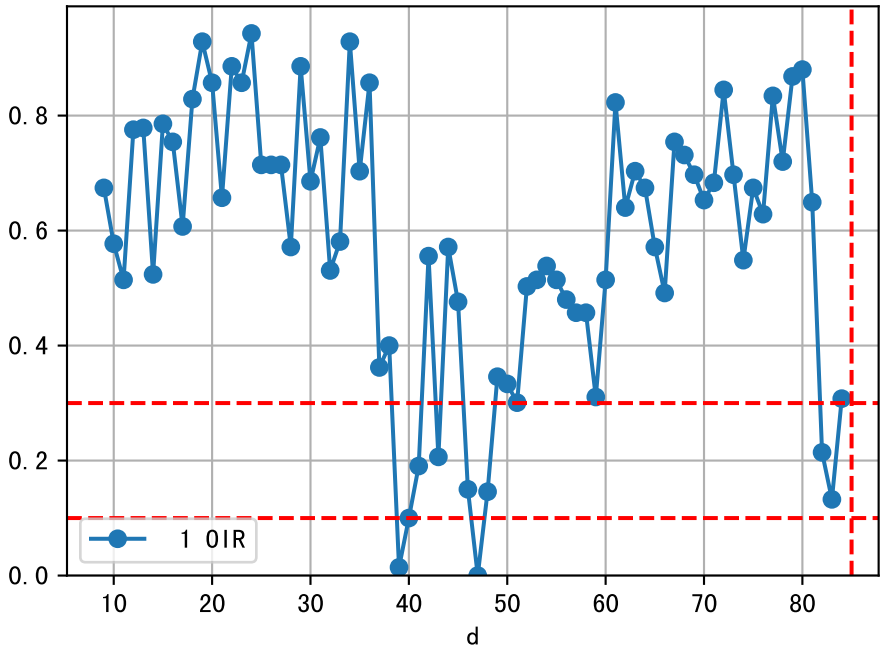
FgArea: ['0']
NC11 P1
2025-12-18 (Day 85)

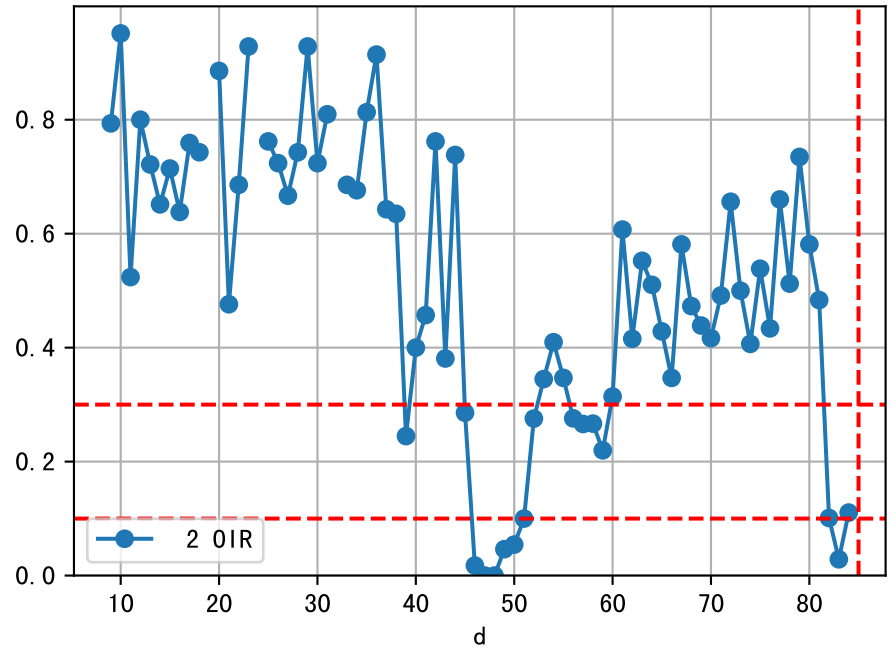

fgNum 1 (at_row = 42)
VI
VO
d

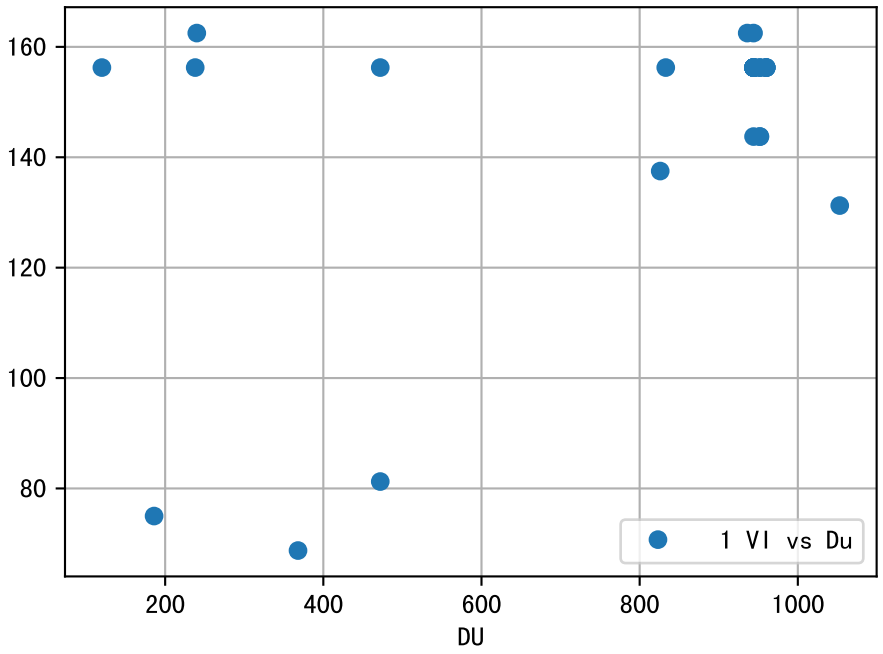

fgNum 2 (at_row = 131)
VI
VO
d

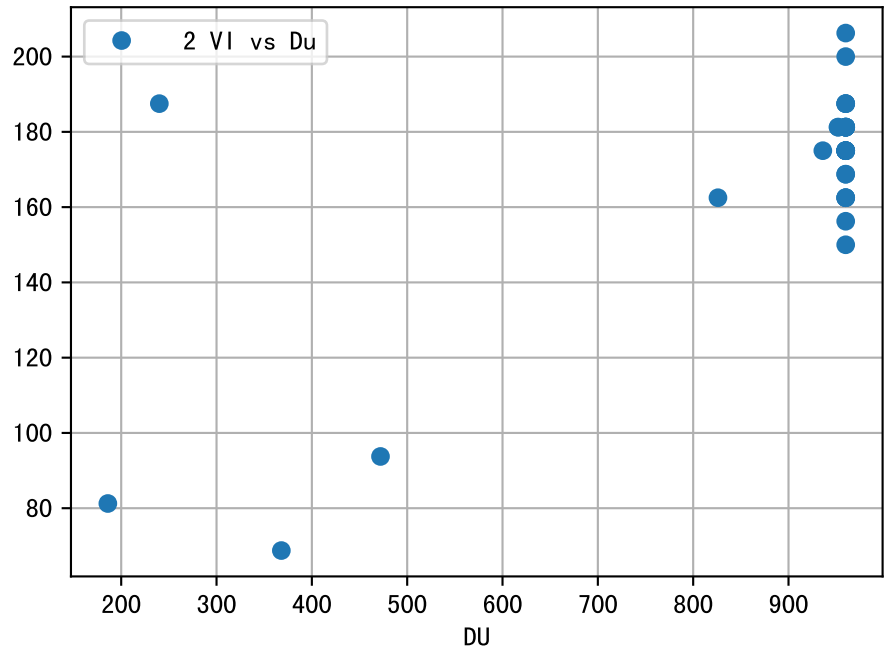

1 VN
d

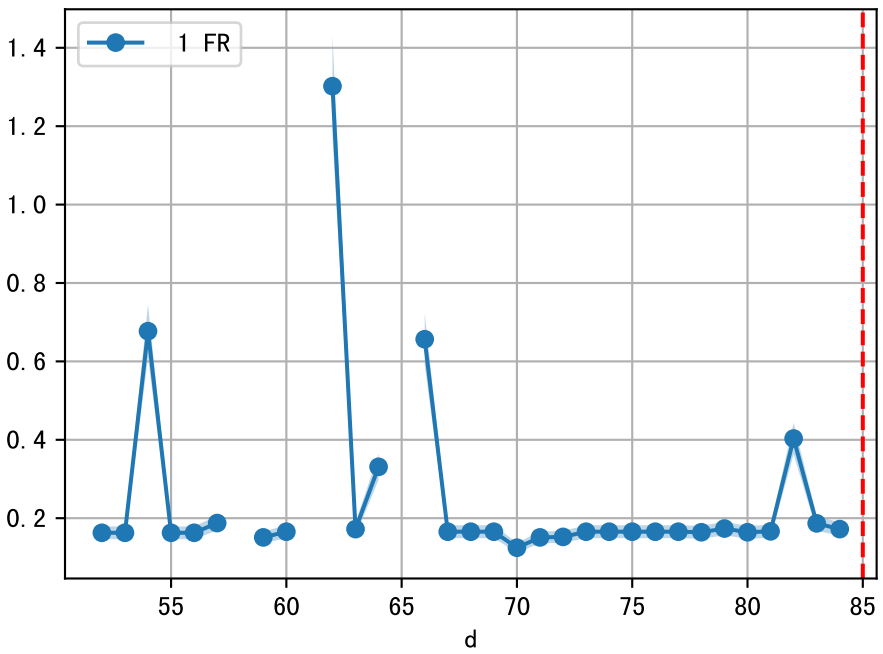

2 VN
d

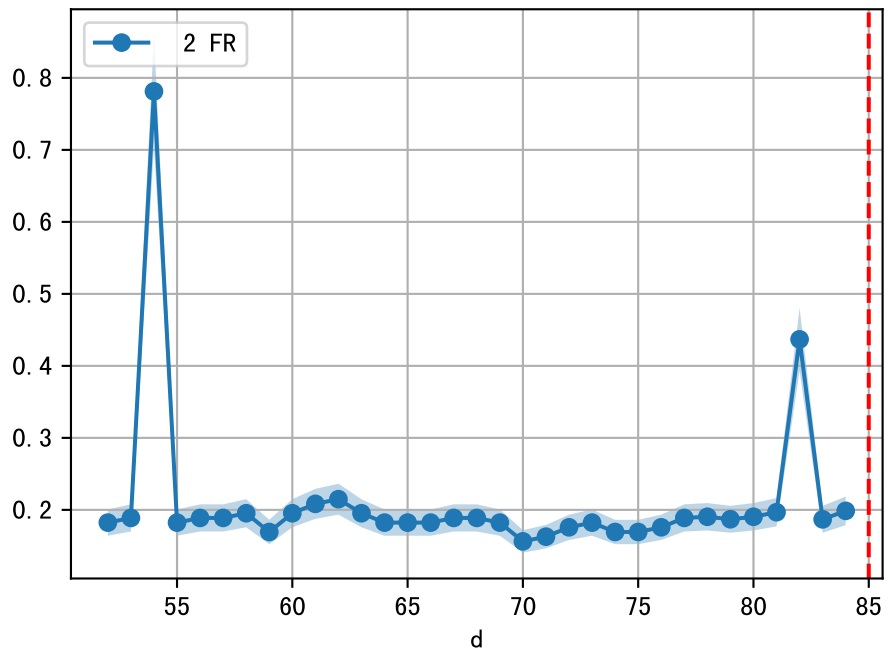

1 OIR
d

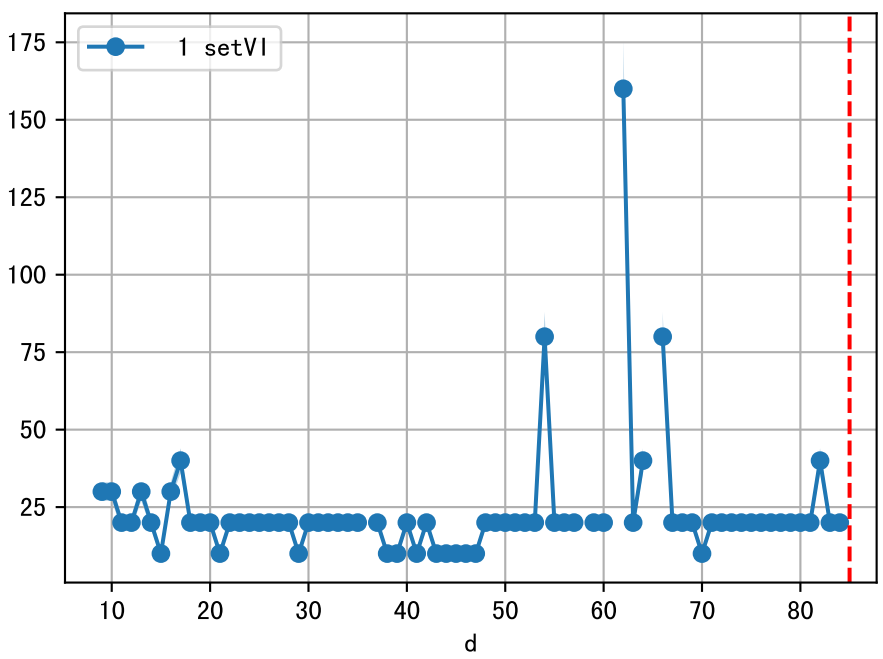

2 OIR
d

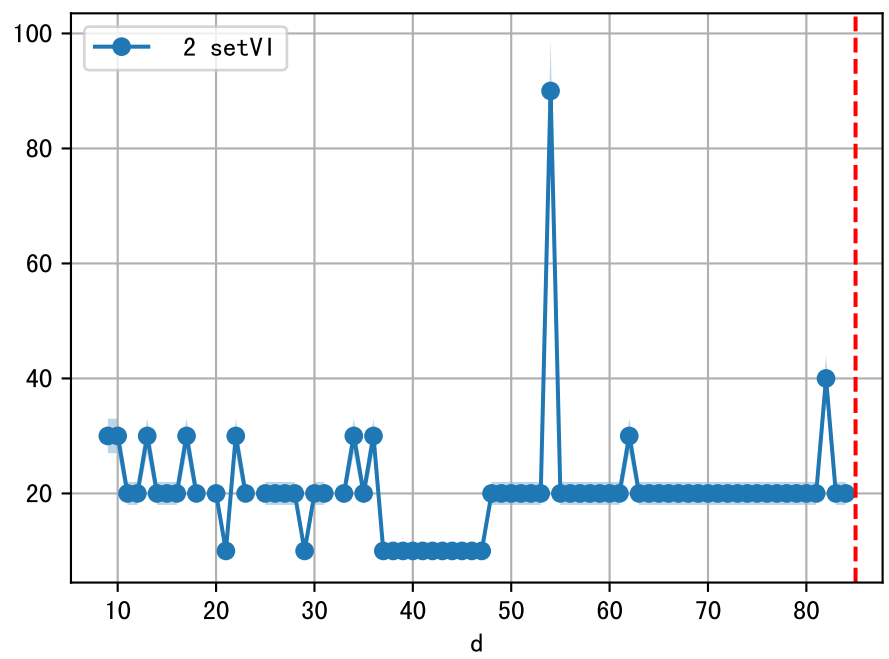

1 VI vs Du
DU

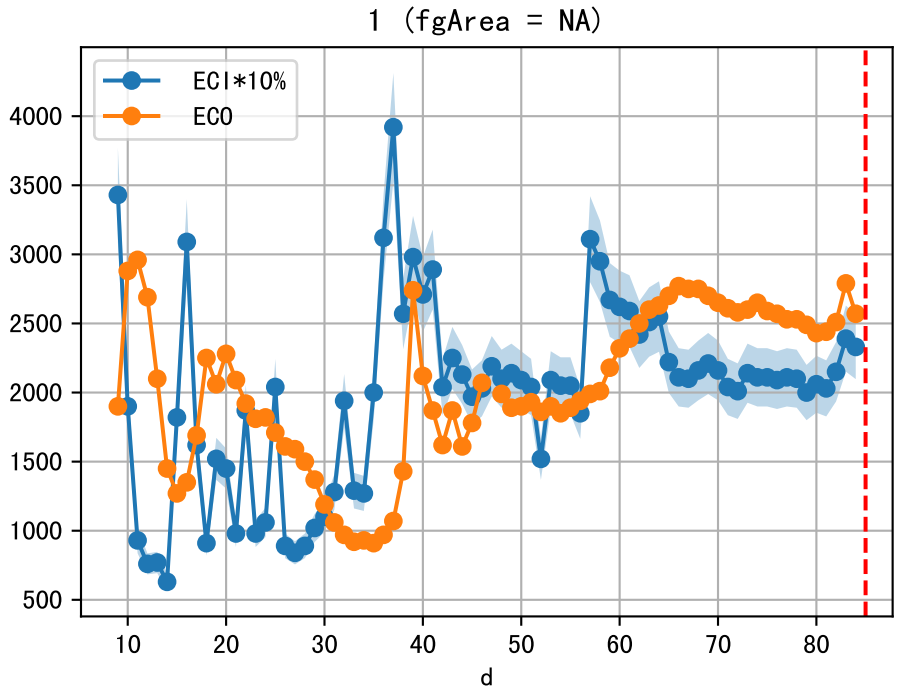

2 VI vs Du
DU

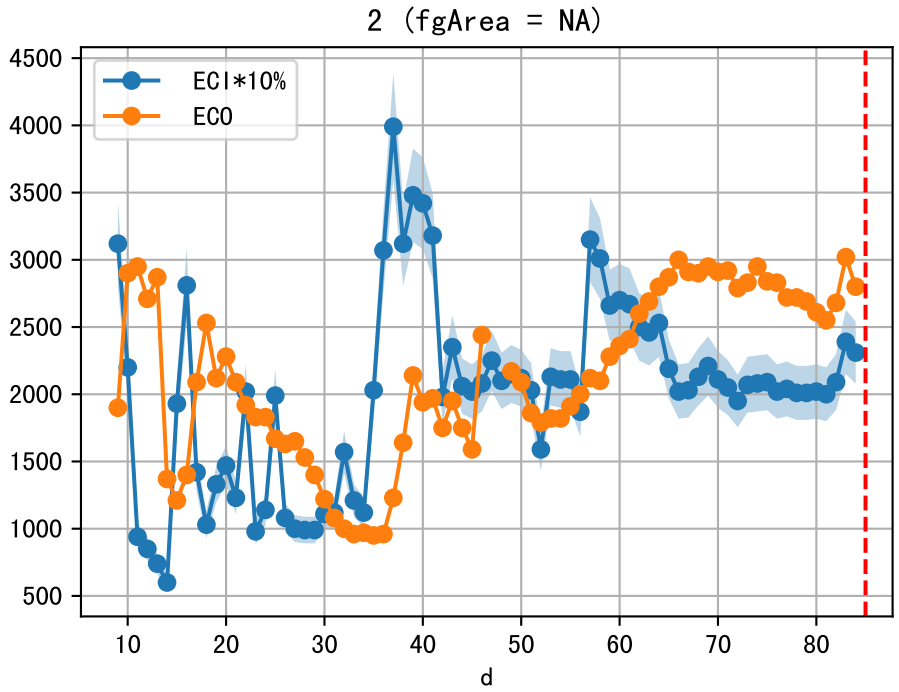

1 FR
d

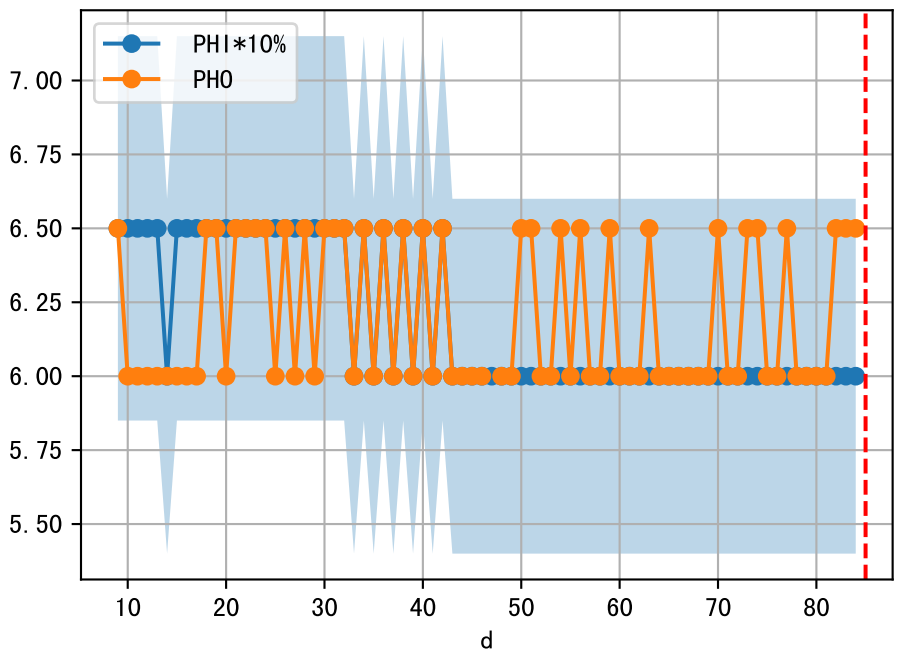

2 FR
d

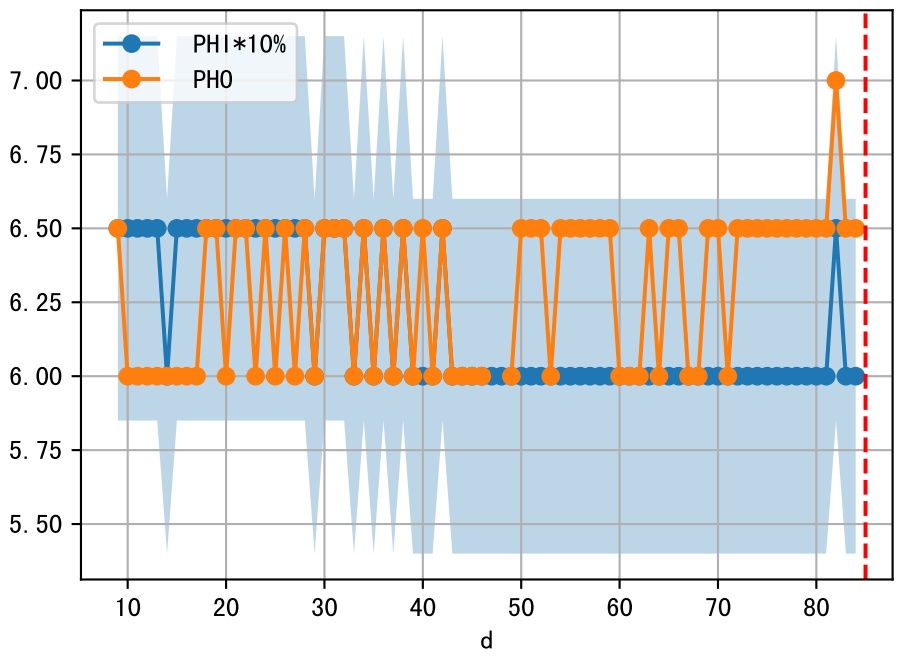

1 setVI
d

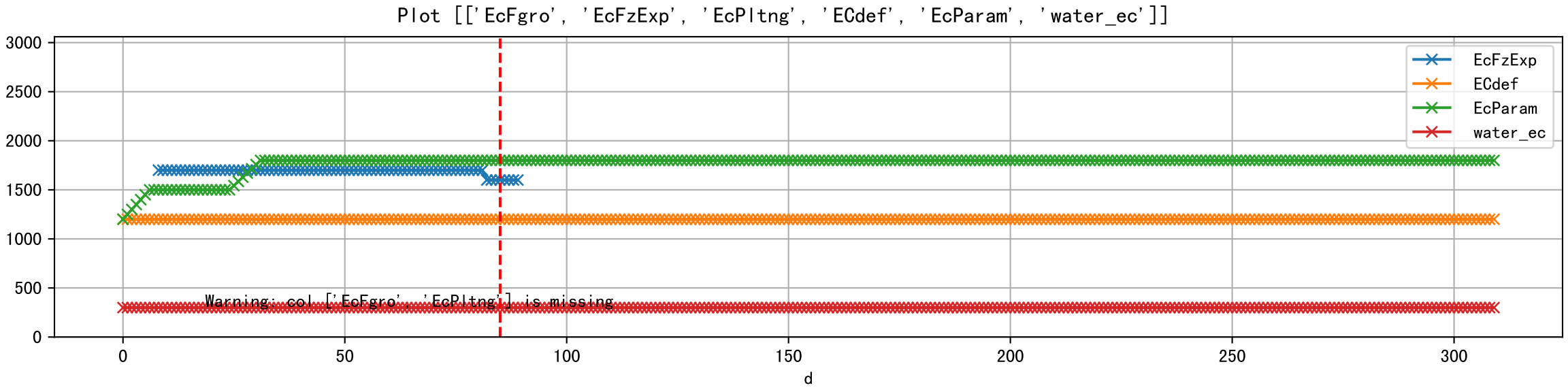

2 setVI
d

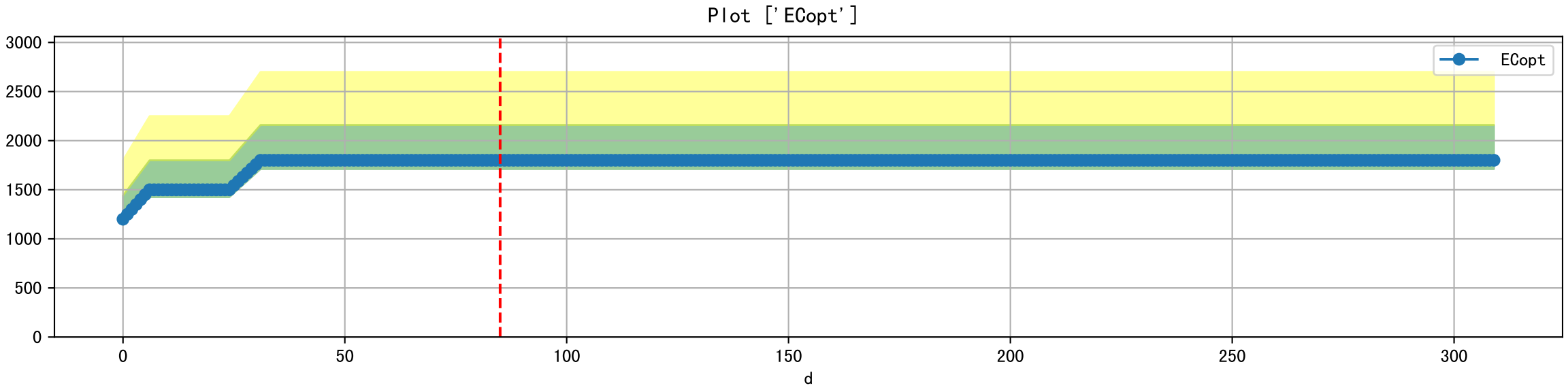

1 (fgArea = NA)
ECI*10%
ECO
4000
3500
3000
2500
2000
1500
1000
500
10
20
30
40
50
60
70
80
d


2 (fgArea = NA)
ECI*10%
ECO
4500
4000
3500
3000
2500
2000
1500
1000
500
10
20
30
40
50
60
70
80
d

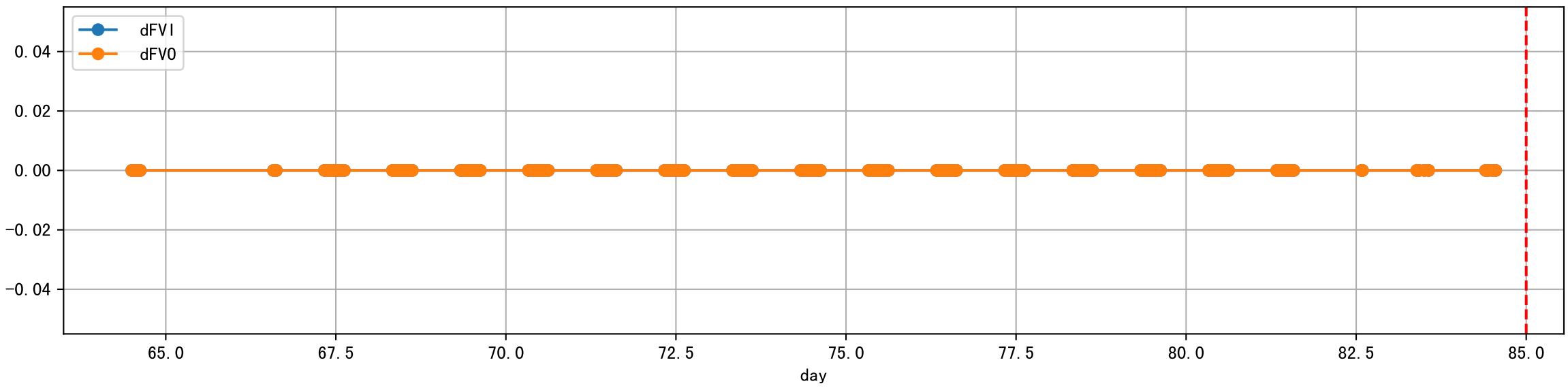

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
10
20
30
40
50
60
70
80
d

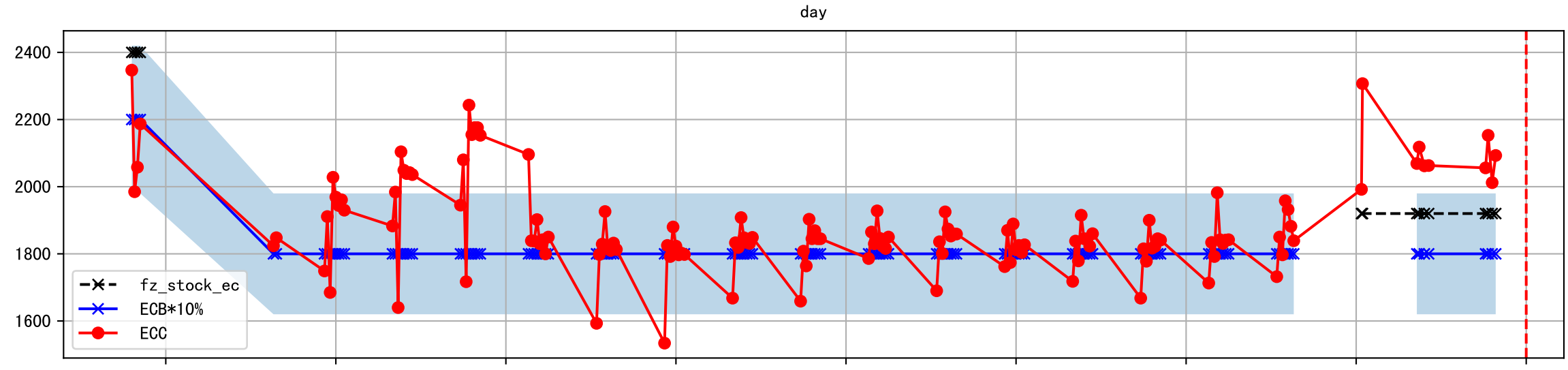

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
10
20
30
40
50
60
70
80
d

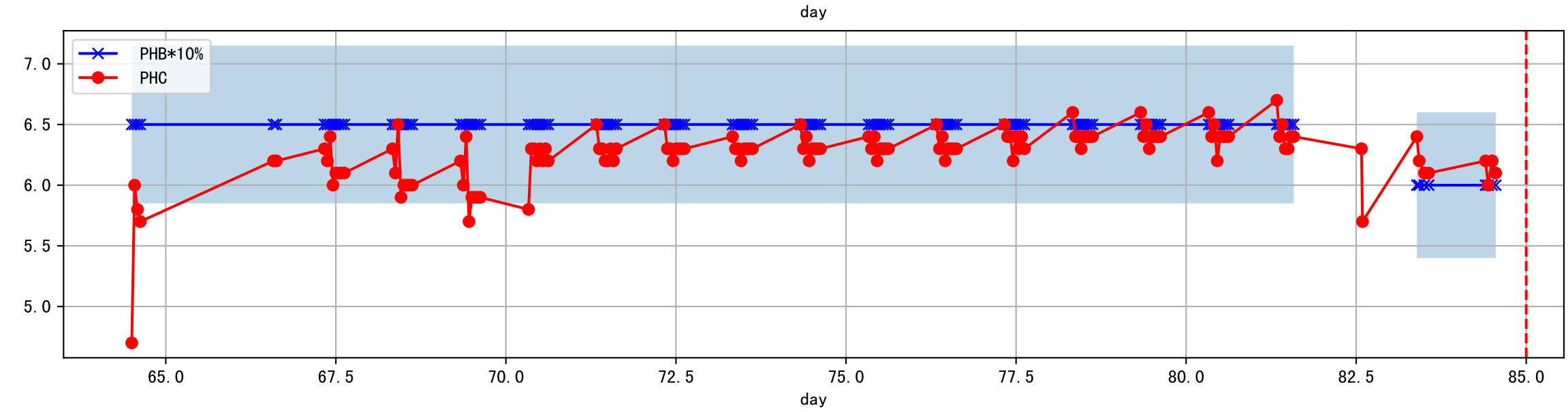

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

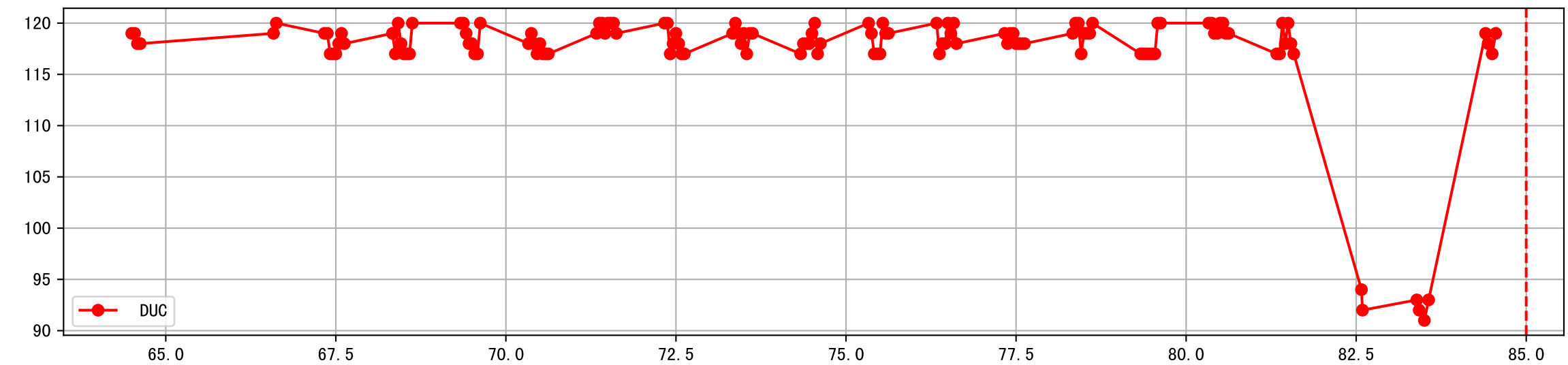

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

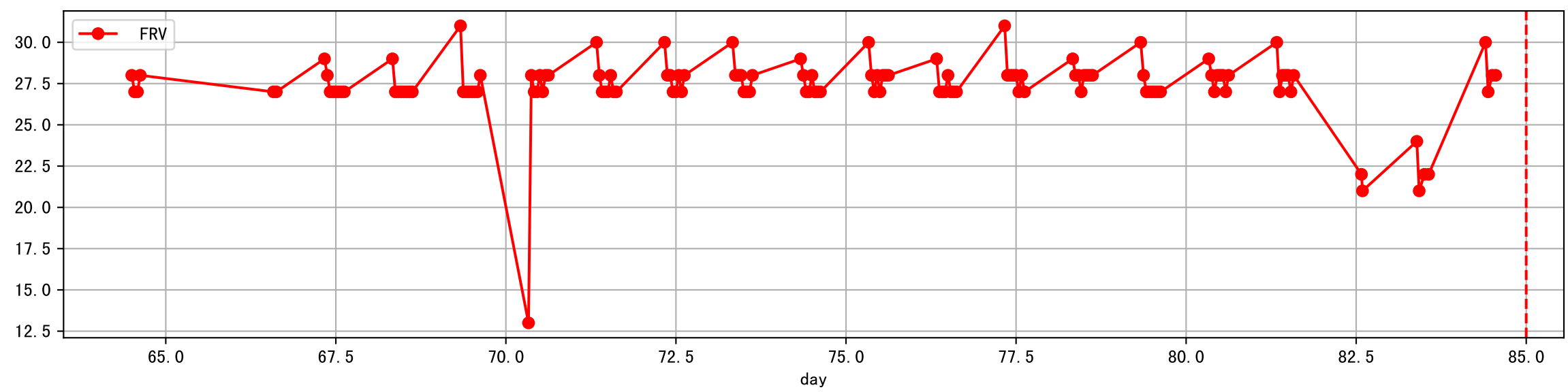
Plot Sensor and FgRec Data

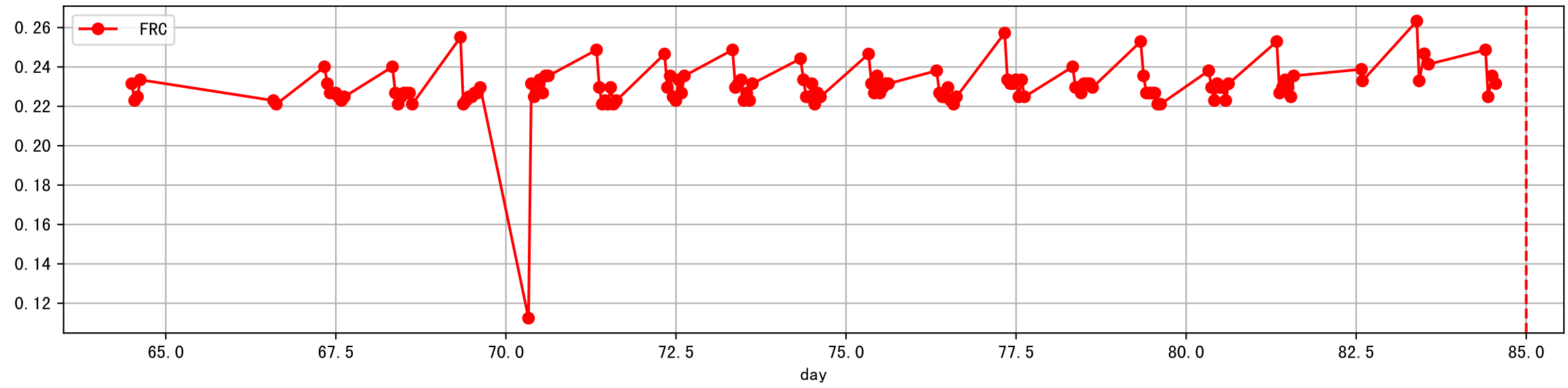




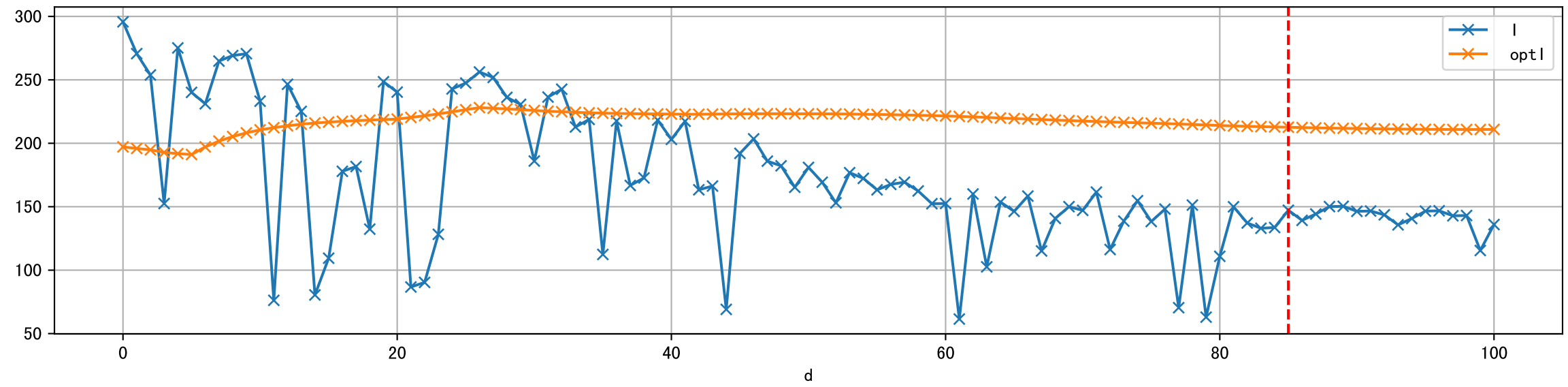


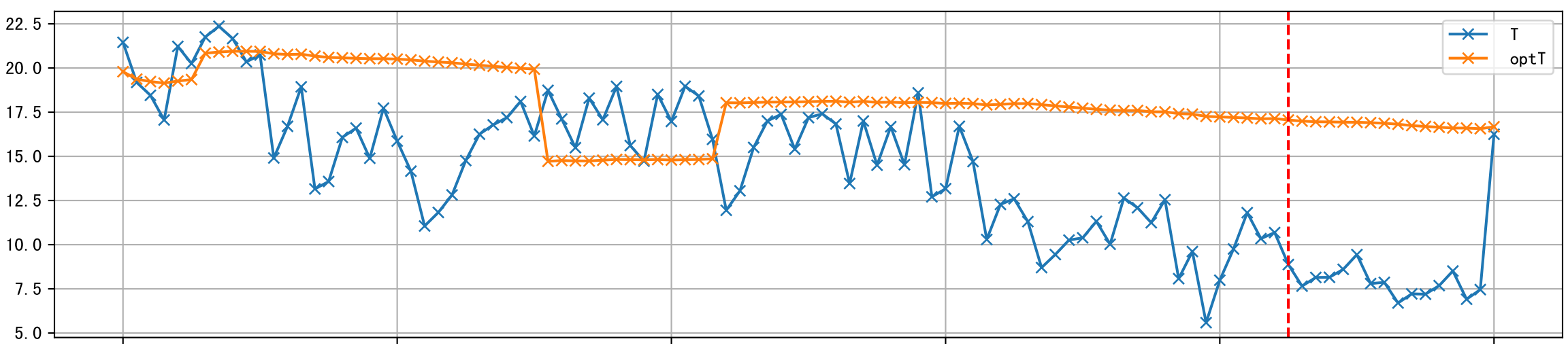


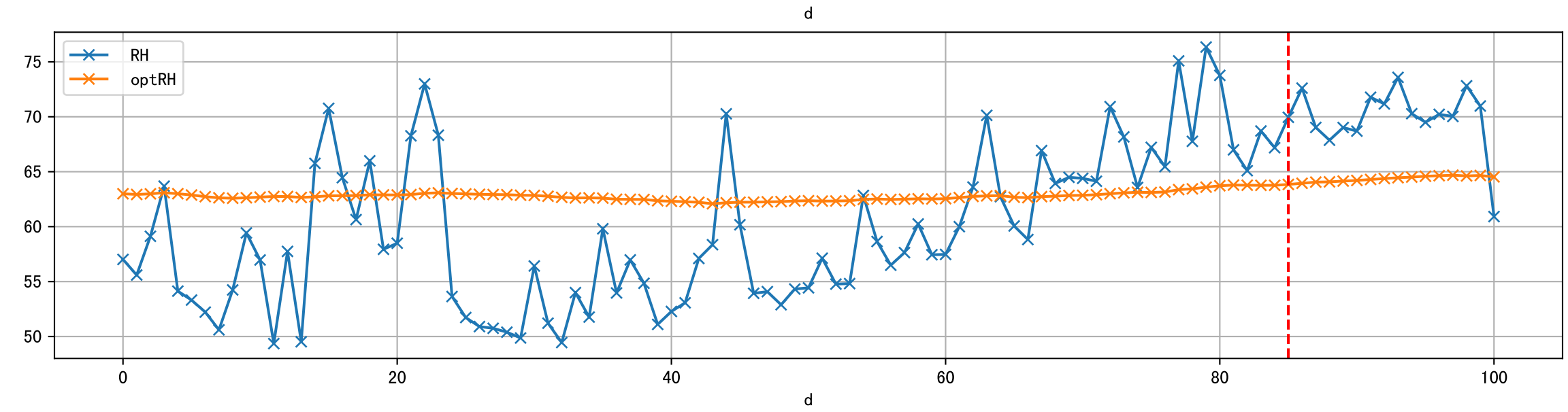


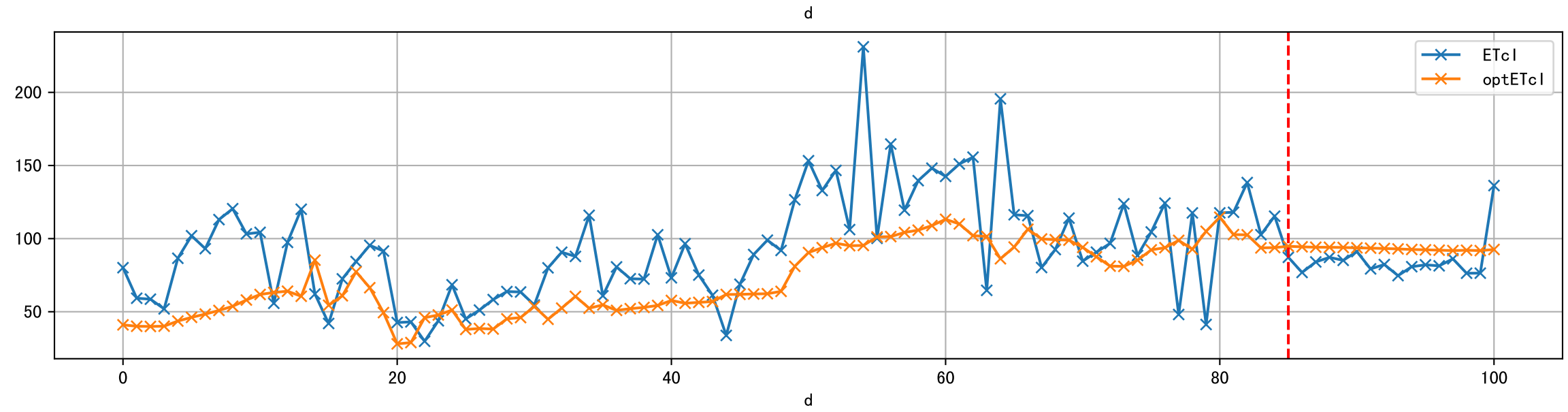


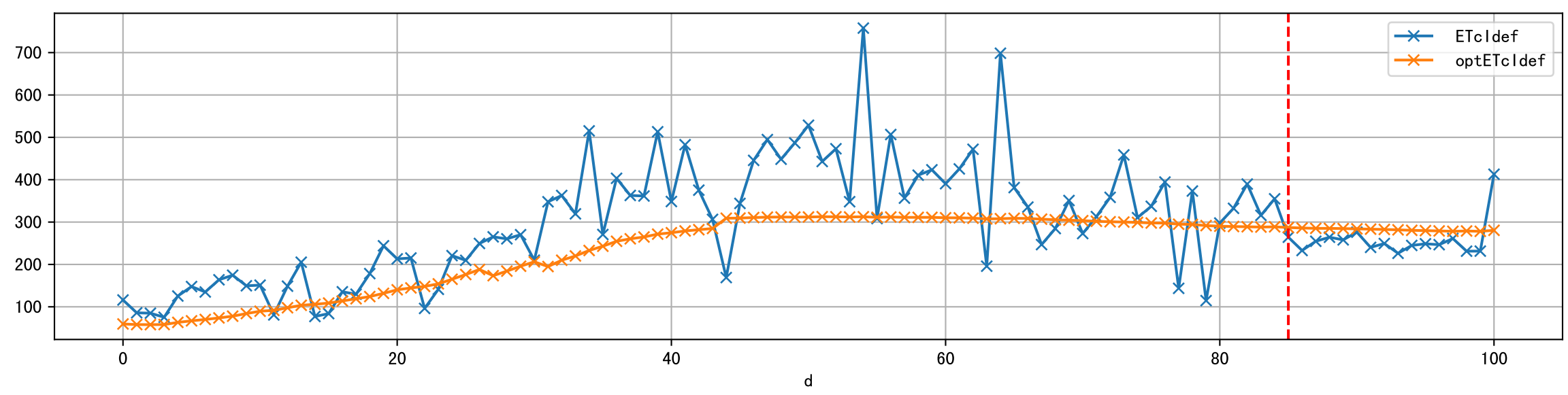
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

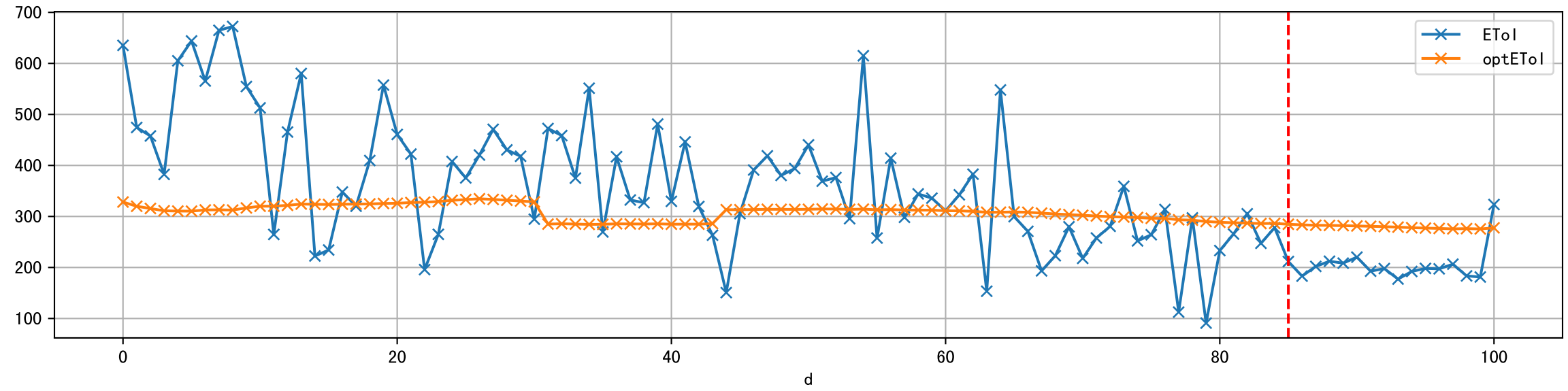


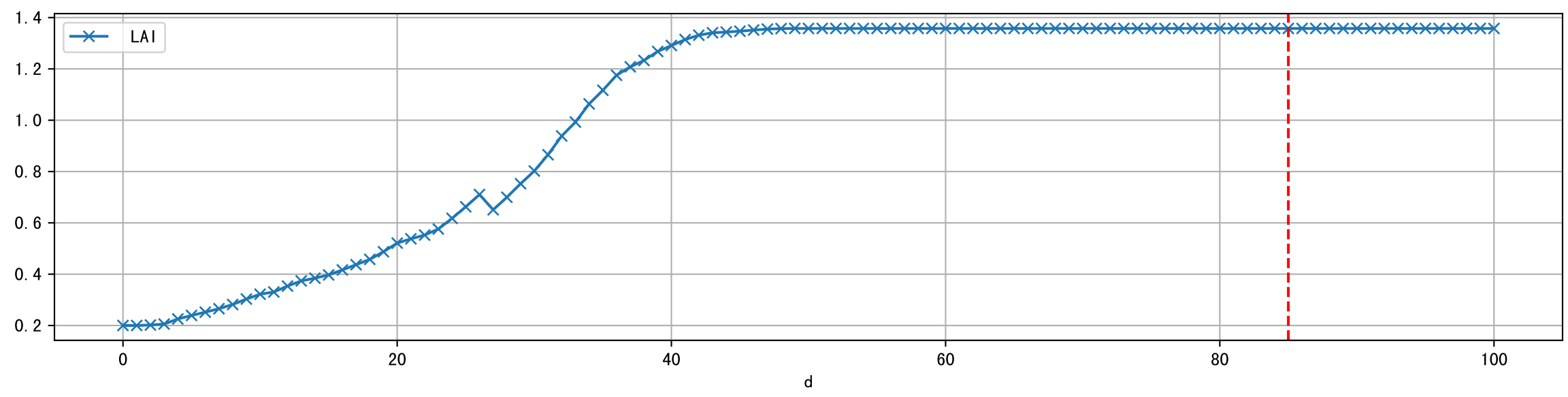


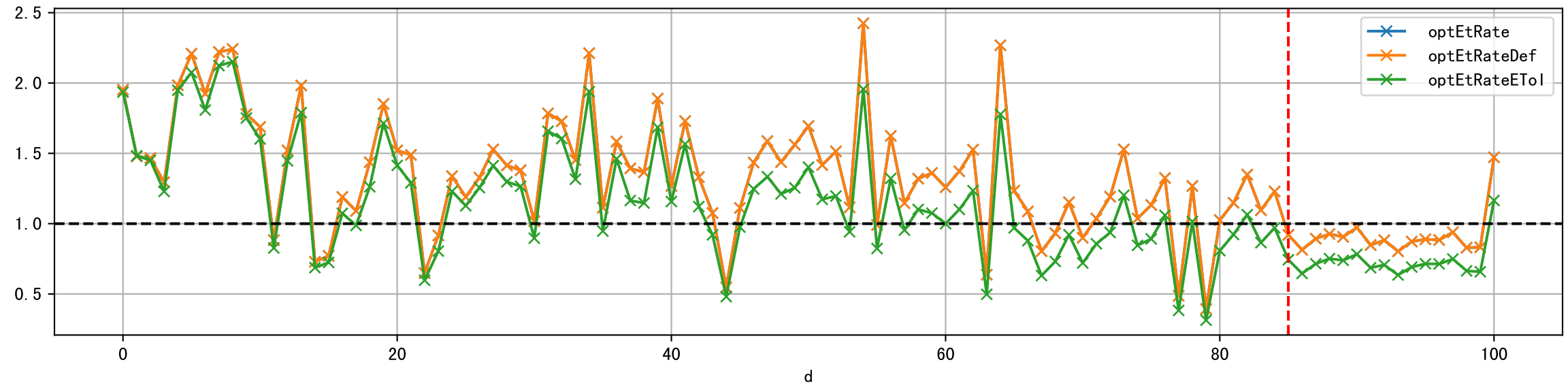


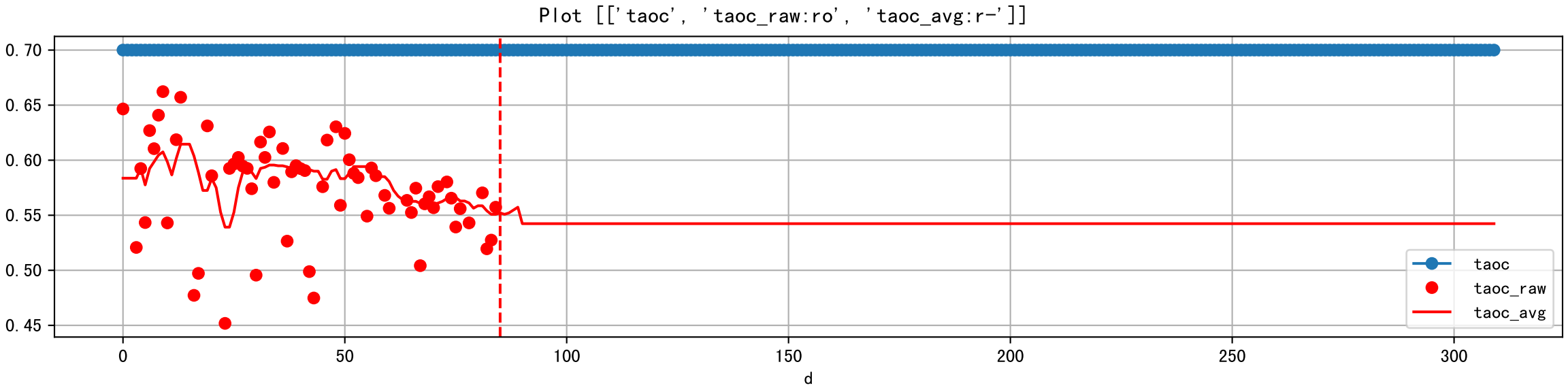


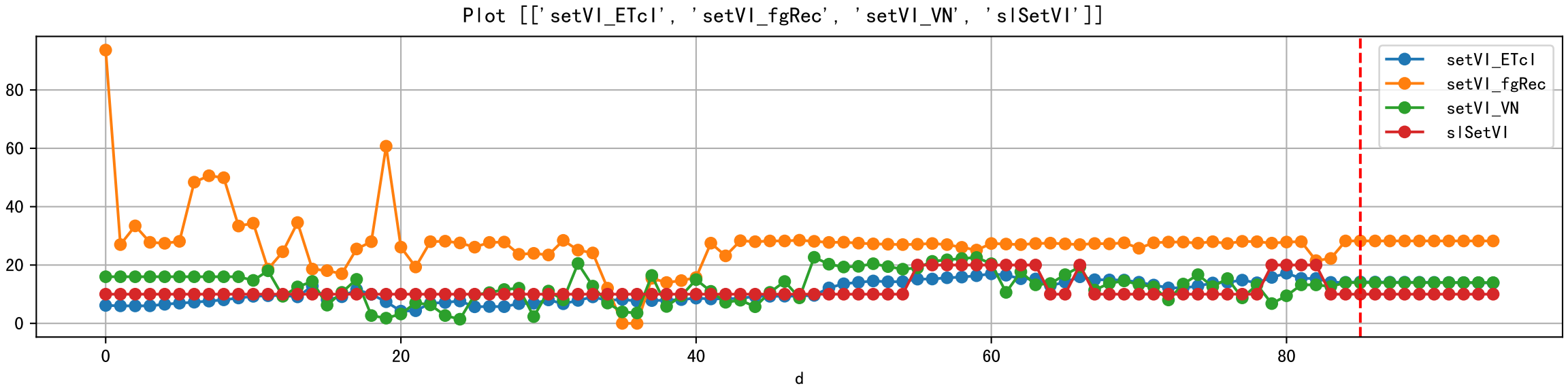


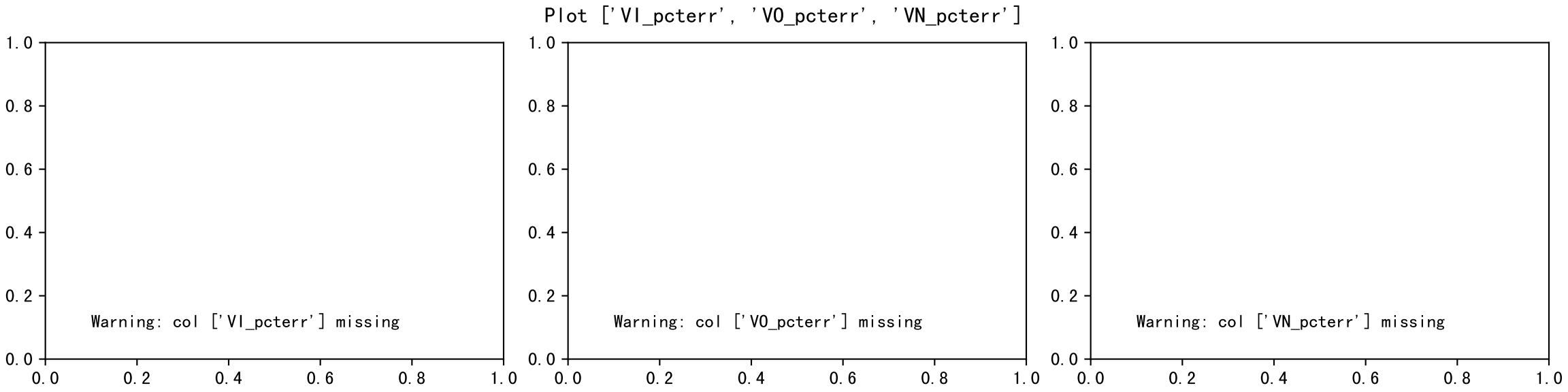


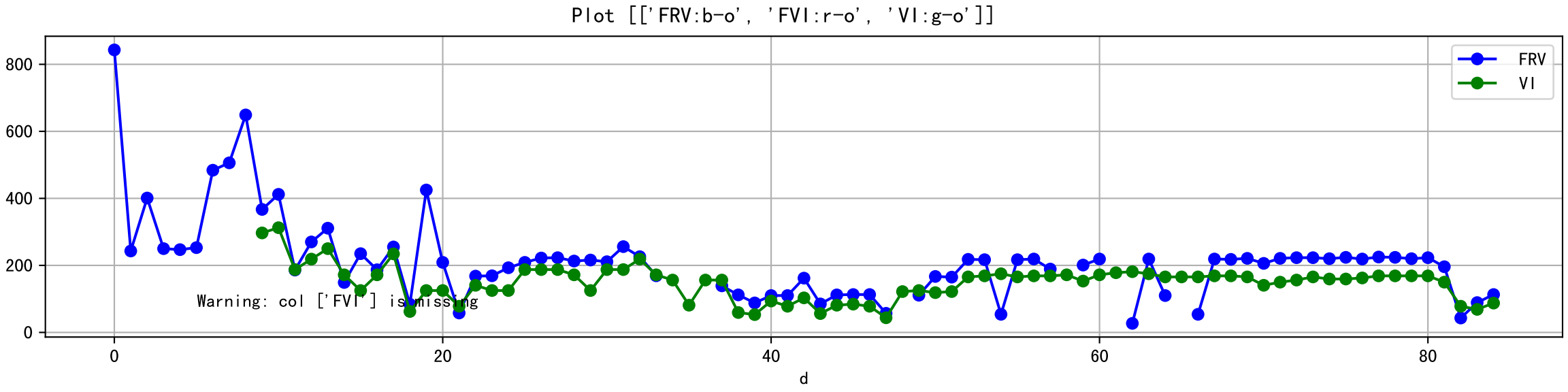


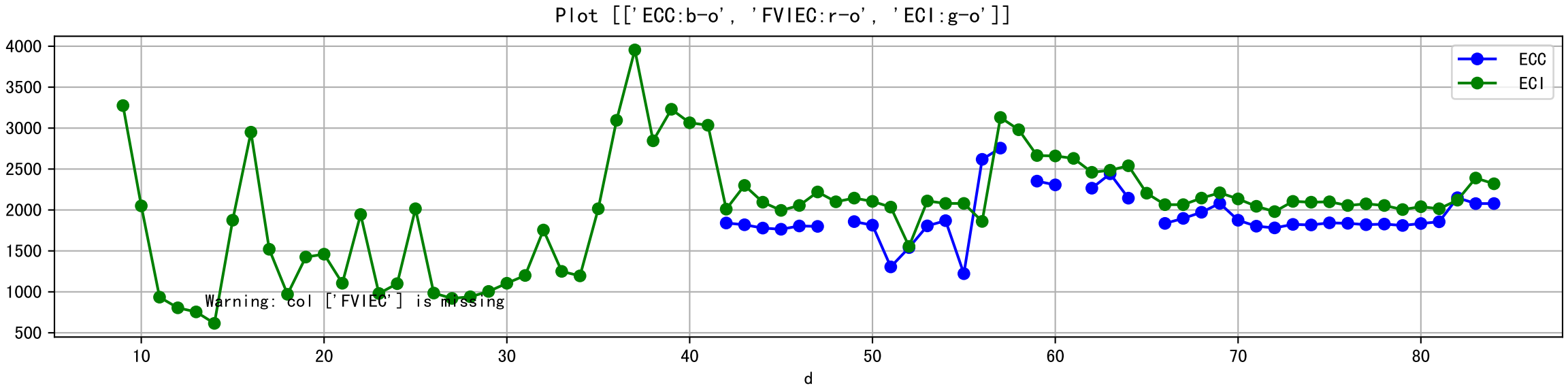


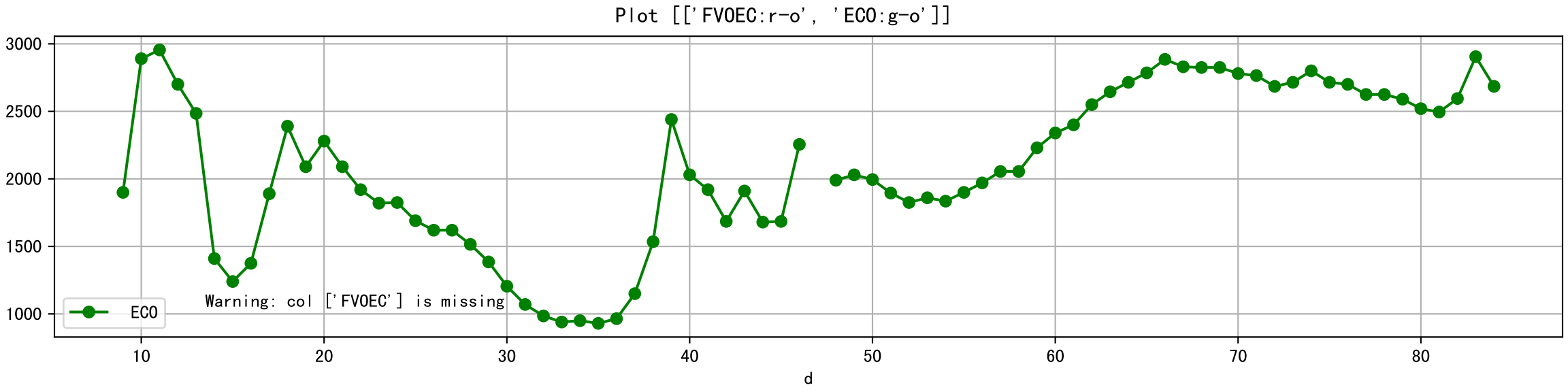

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.70
0.65
0.60
0.55
0.50
0.45
0
50
100
150
200
250
300
d
taoc
taoc_raw
taoc_avg

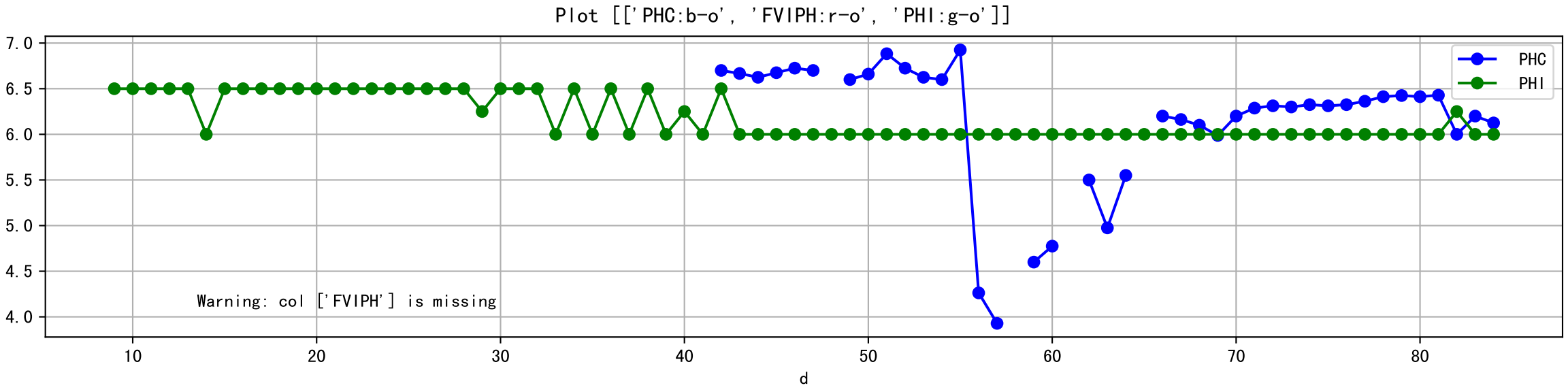

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
d

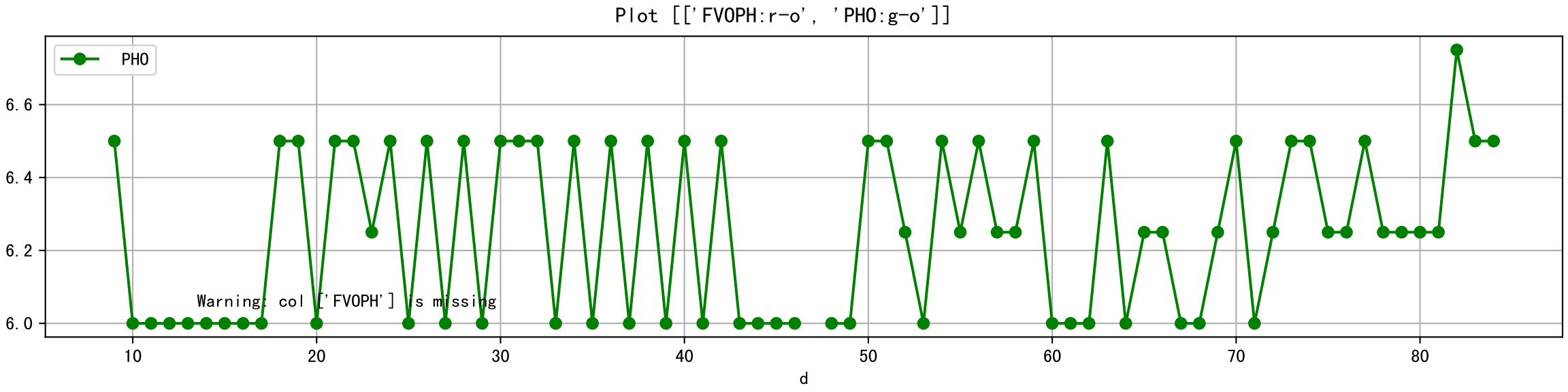

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

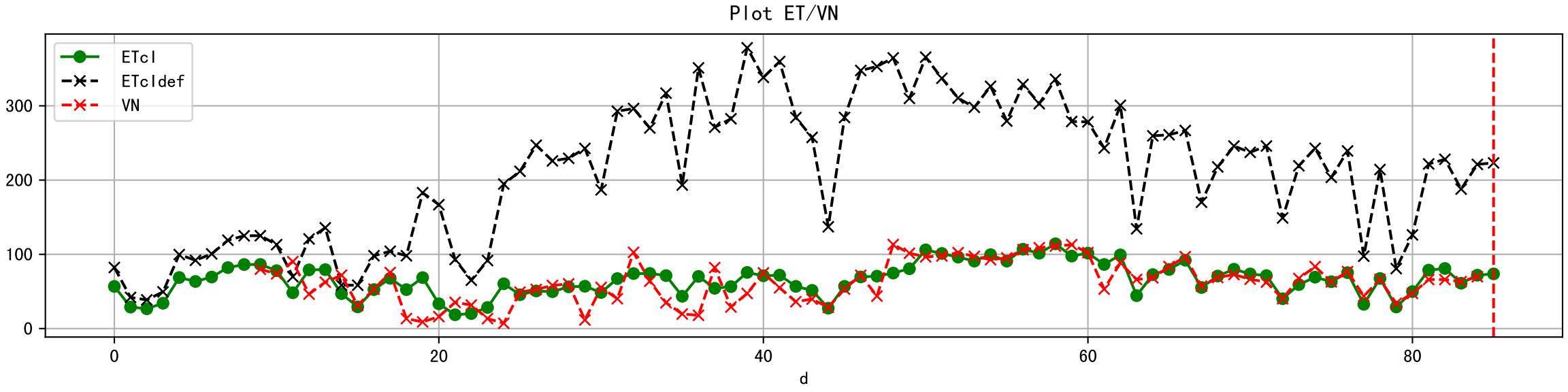

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
800
600
400
200
0
0
20
40
60
80
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
4000
3500
3000
2500
2000
1500
1000
500
10
20
30
40
50
60
70
80
d

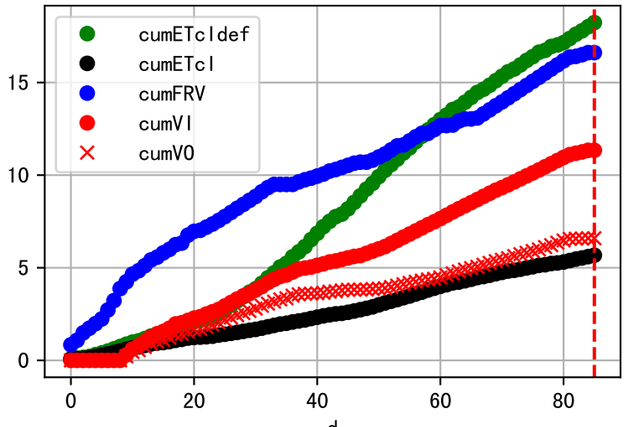

Plot [['FVOEC:r-o', 'ECO:g-o']]
3000
2500
2000
1500
1000
10
20
30
40
50
60
70
80
d
ECO
Warning: col ['FVOEC'] is missing

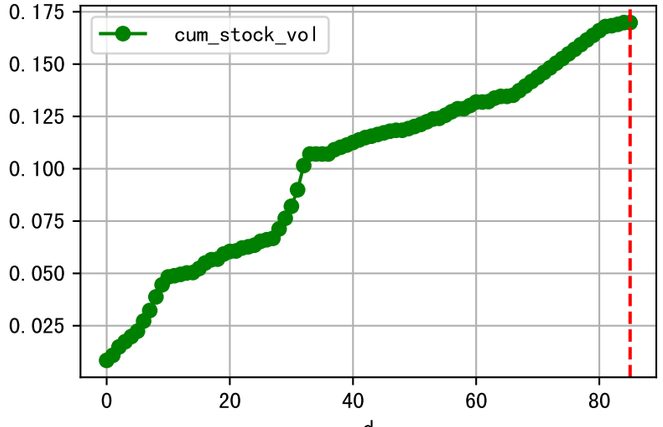

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.0
6.5
6.0
5.5
5.0
4.5
4.0
10
20
30
40
50
60
70
80
d

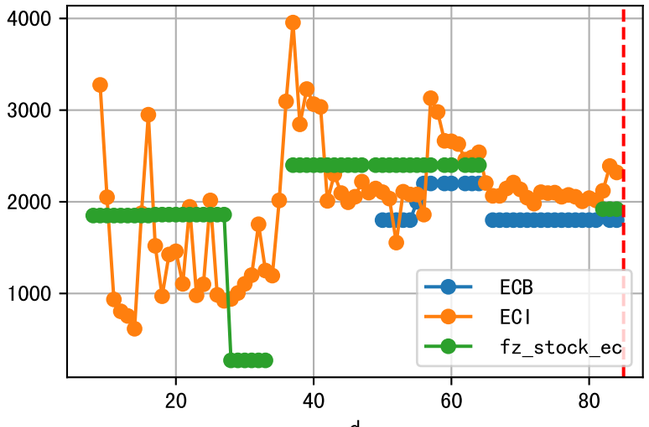

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
6.6
6.4
6.2
6.0
10
20
30
40
50
60
70
80
d

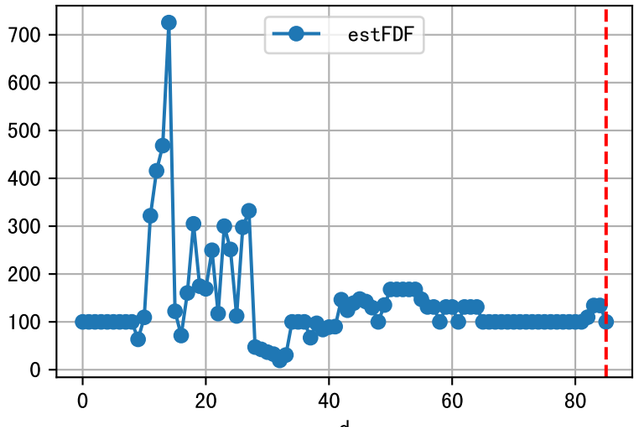

Plot ET/VN
ETcl
ETcldef
VN
300
200
100
0
0
20
40
60
80
d

Plot Fv and fertilizer usage

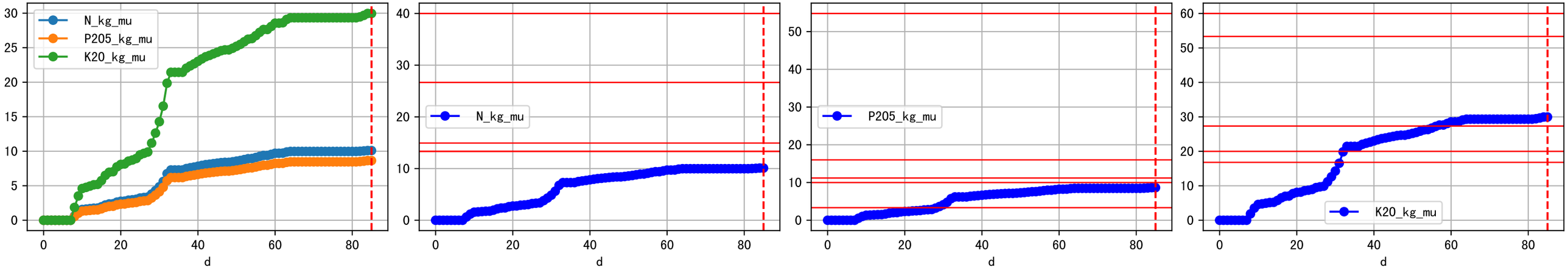


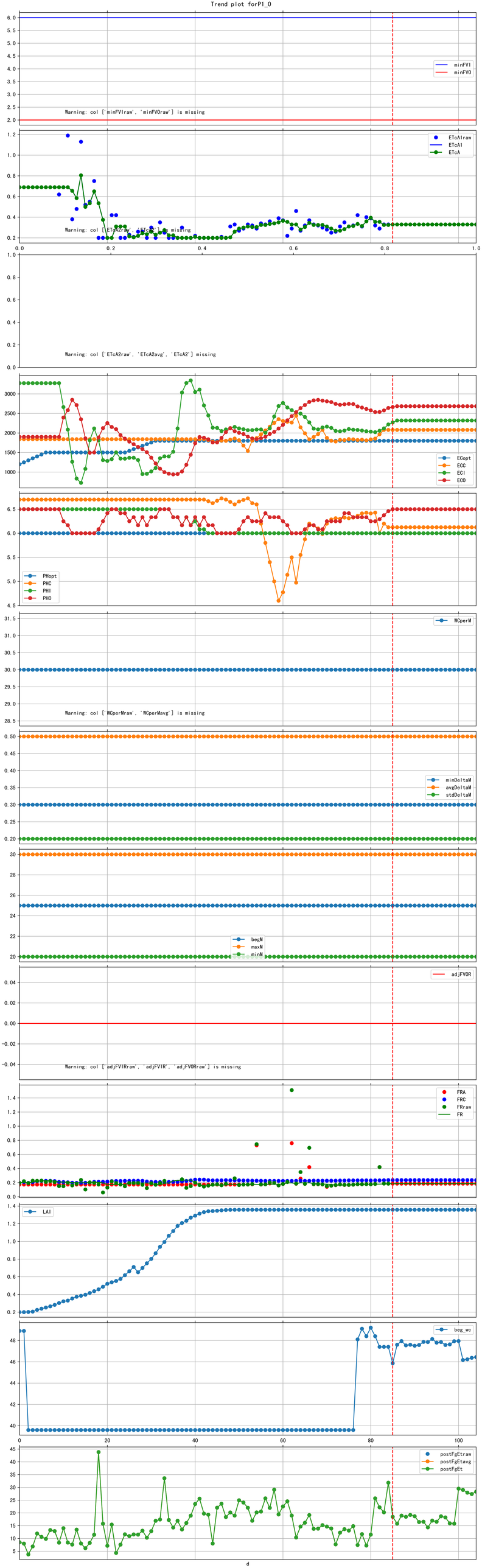


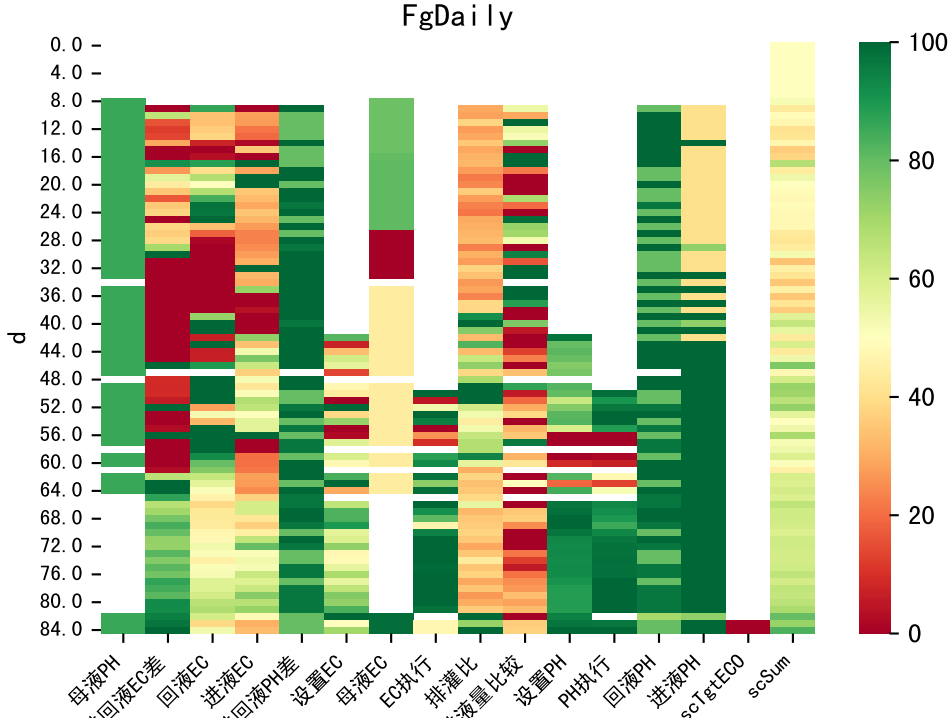




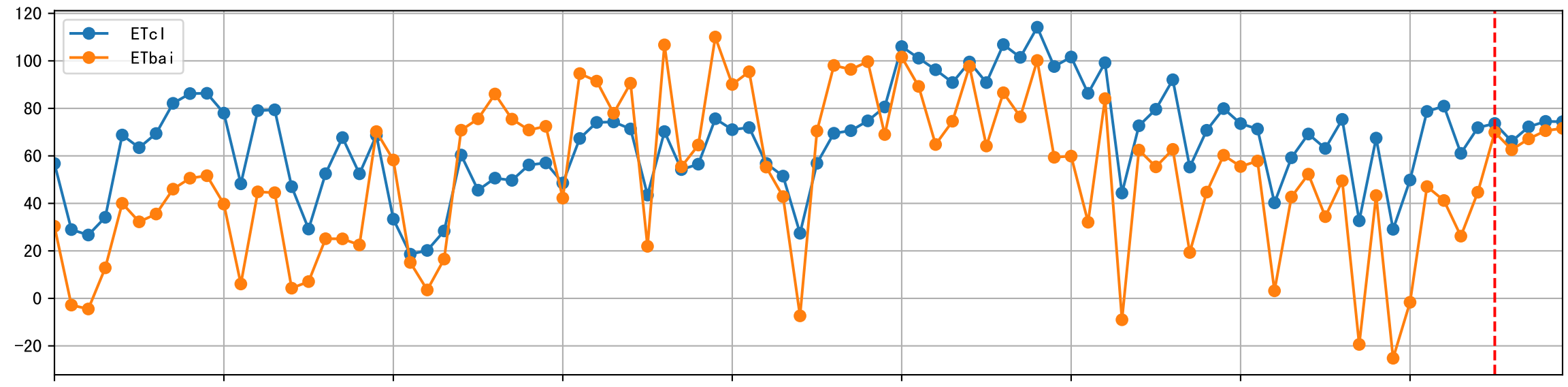
Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa

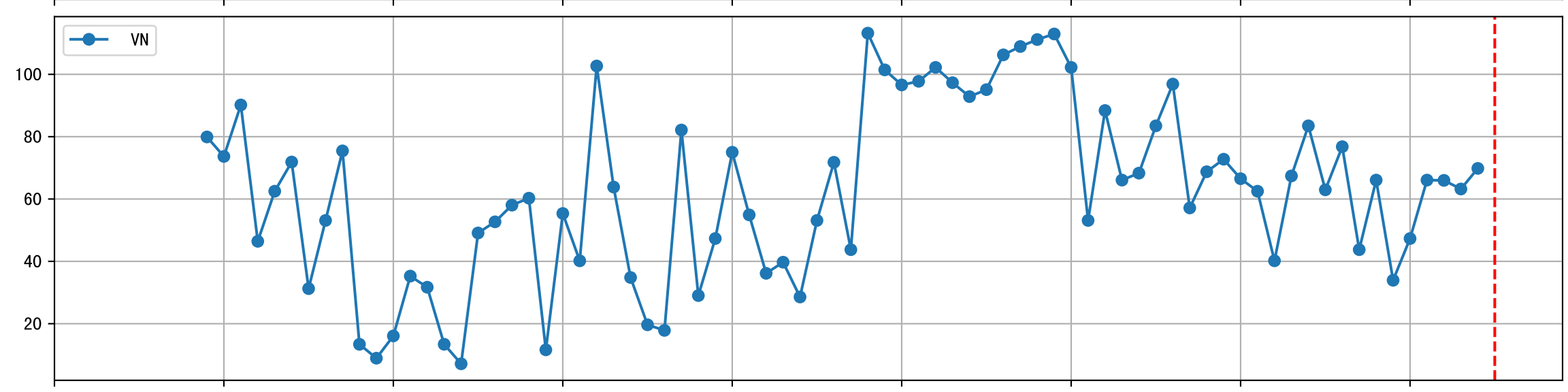


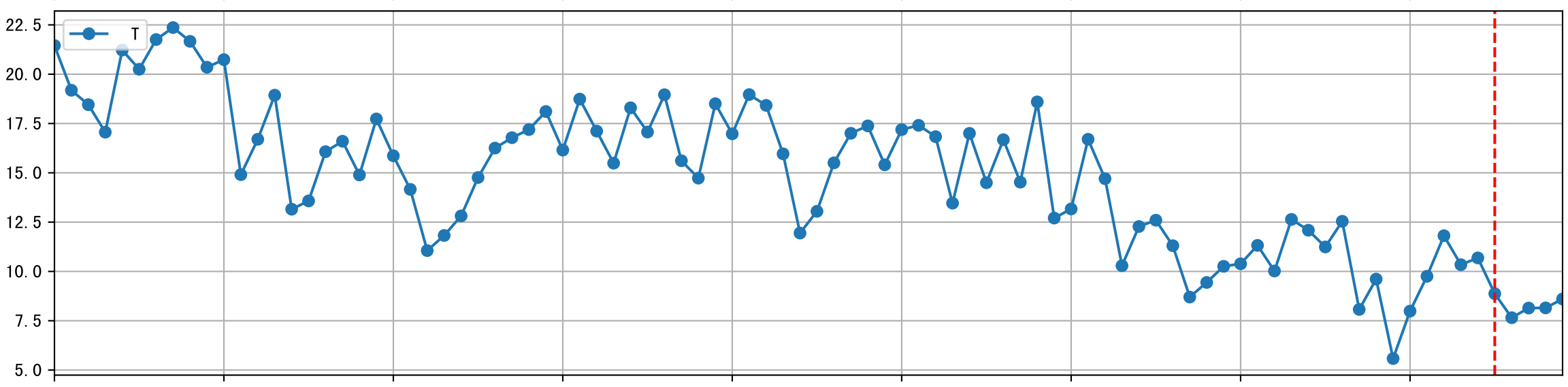

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

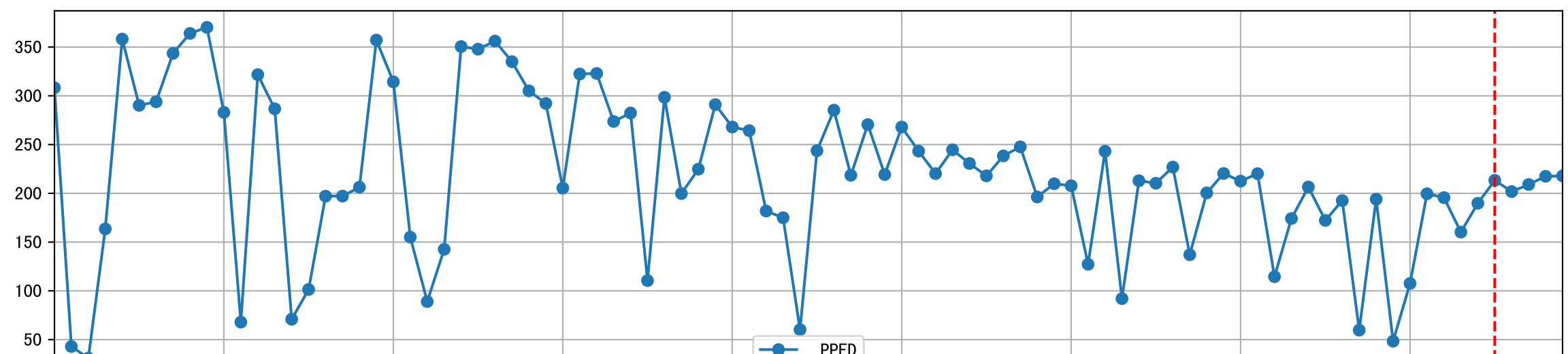

FgDaily
d
0.0
4.0
8.0
12.0
16.0
20.0
24.0
28.0
32.0
36.0
40.0
44.0
48.0
52.0
56.0
60.0
64.0
68.0
72.0
76.0
80.0
84.0
100
80
60
40
20
0
母液PH
回液EC差
回液EC
进液EC
回液PH差
设置EC
母液EC
EC执行
排灌比
设置PH
PH执行
回液PH
进液PH
scSum

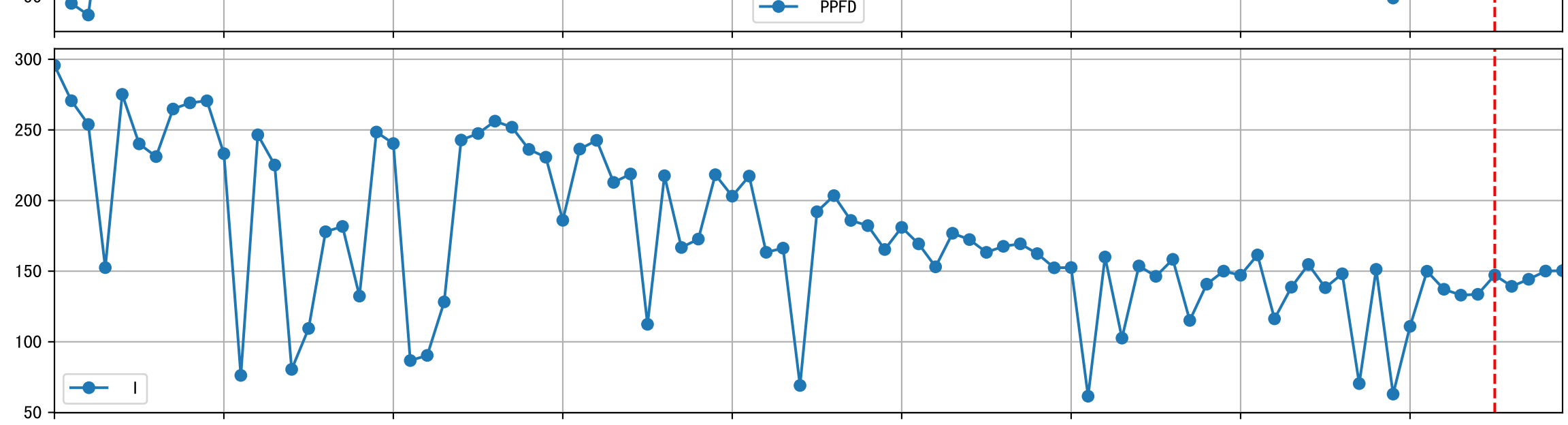
P1_0

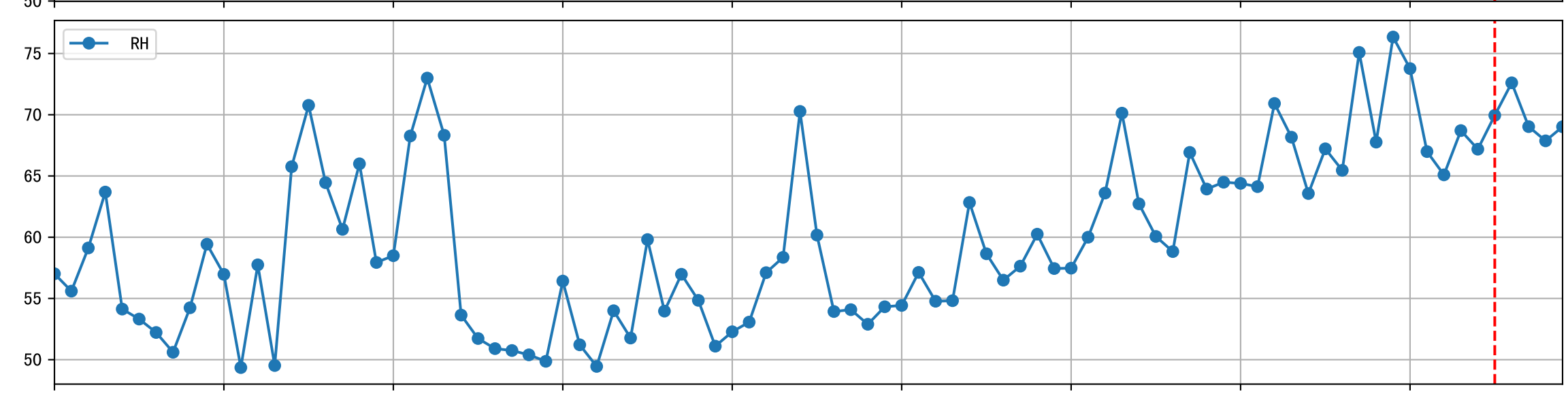


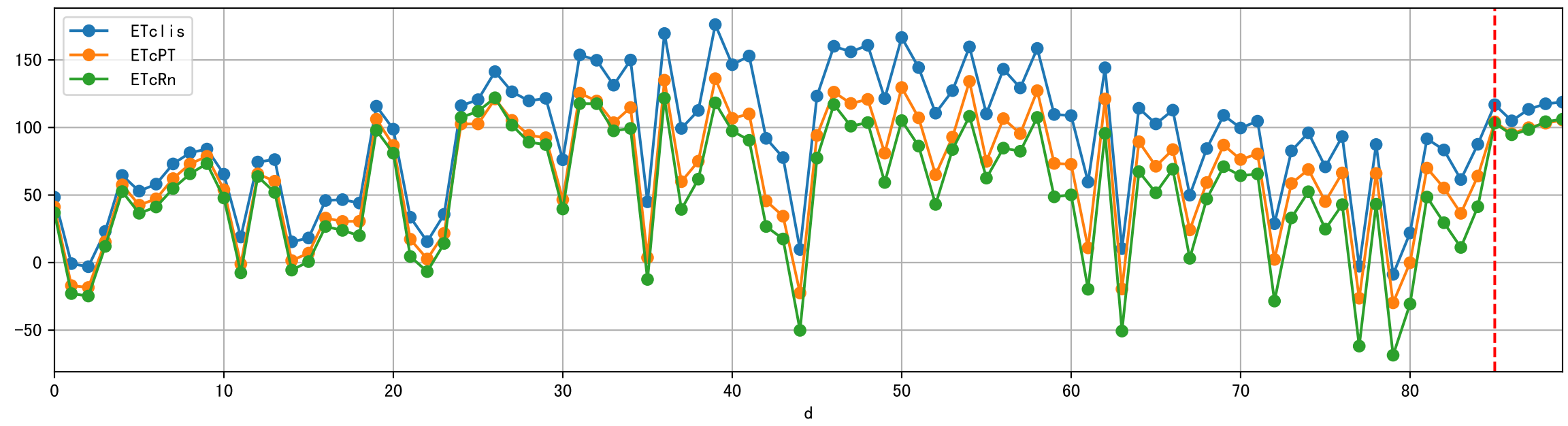


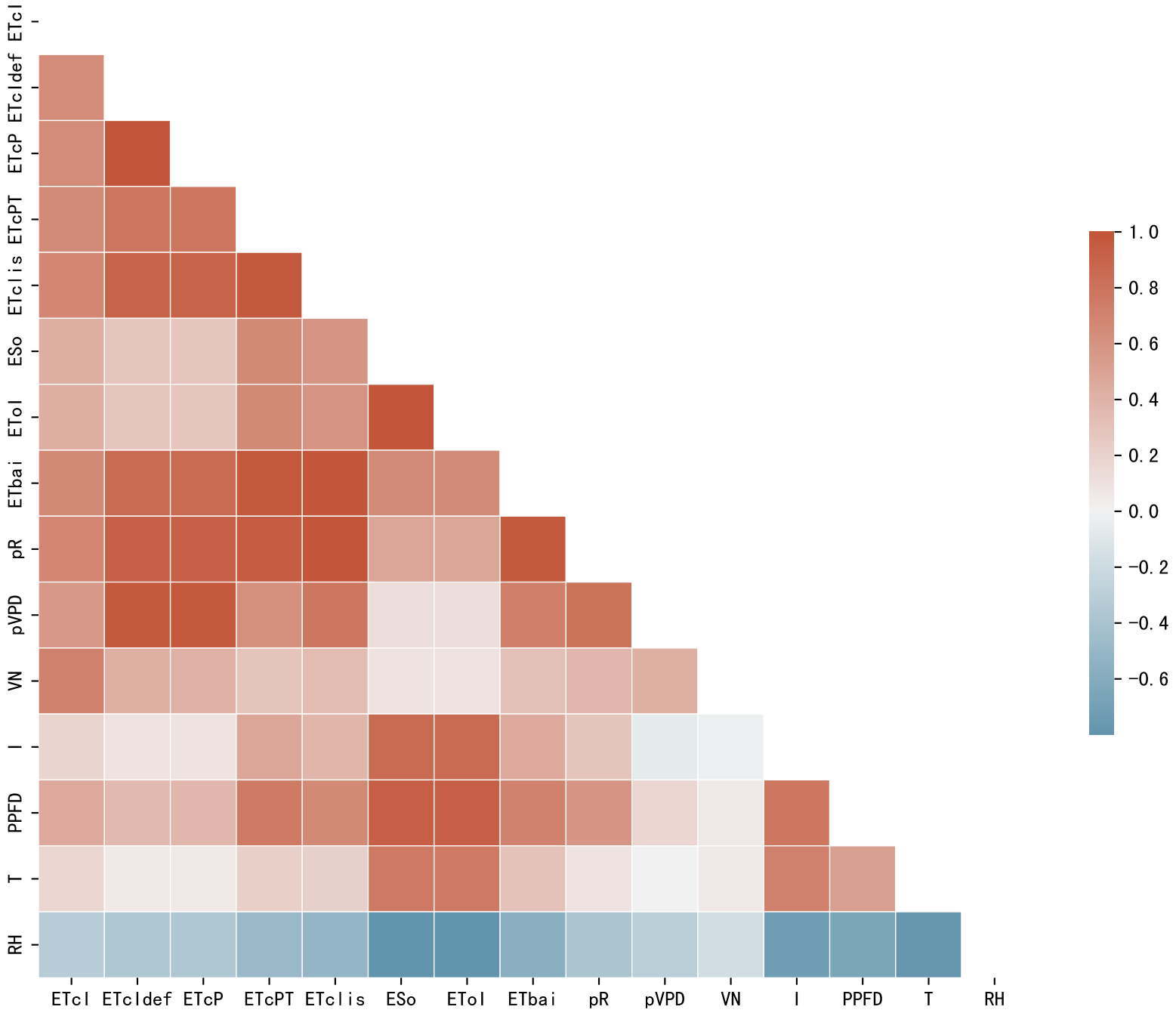


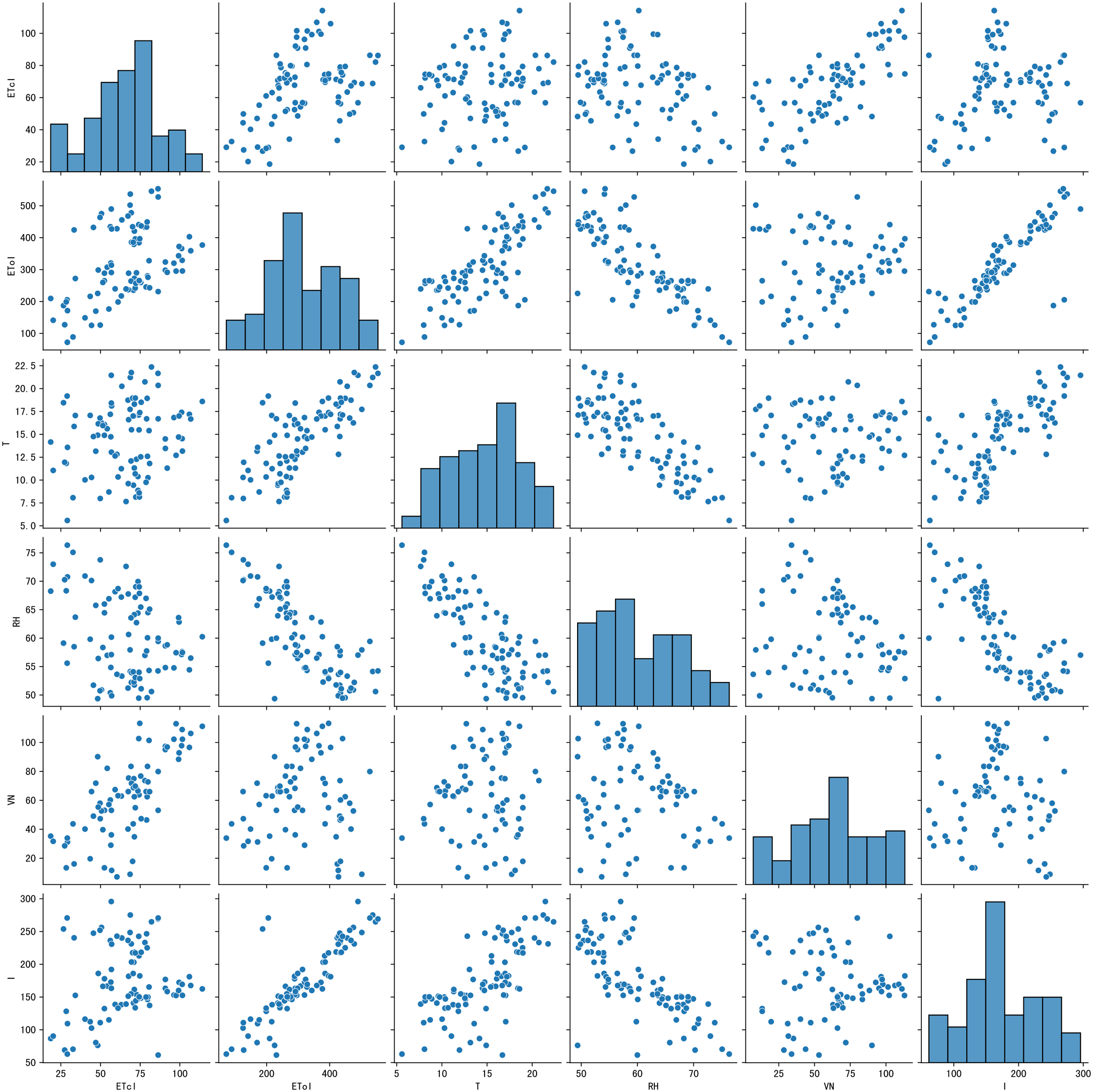


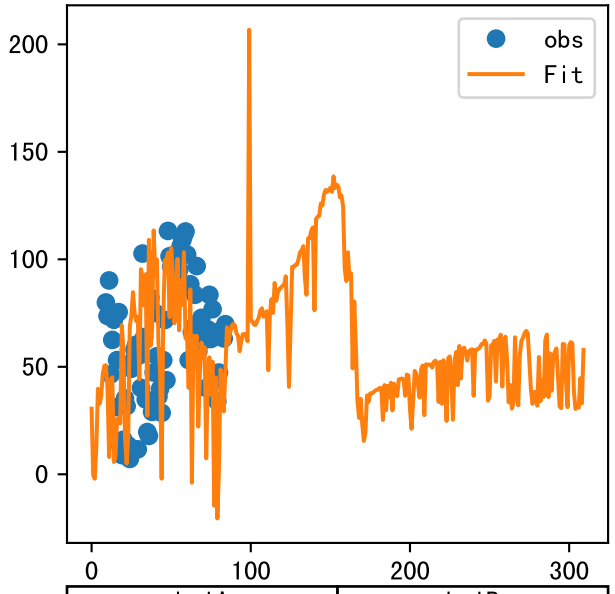


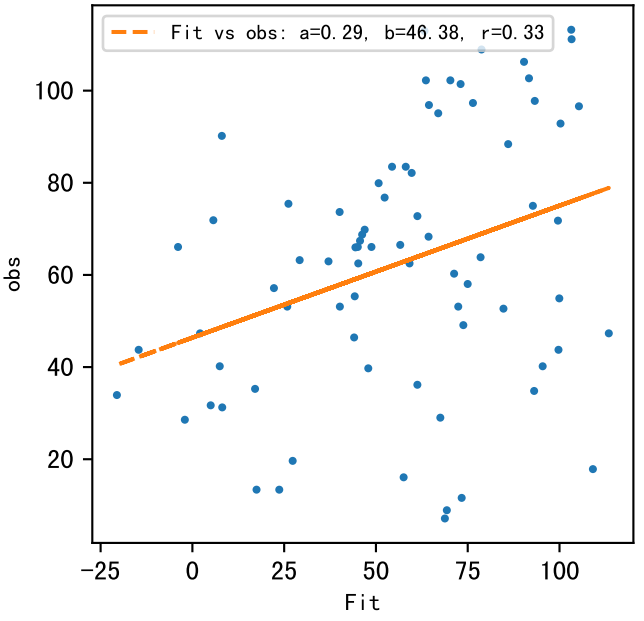




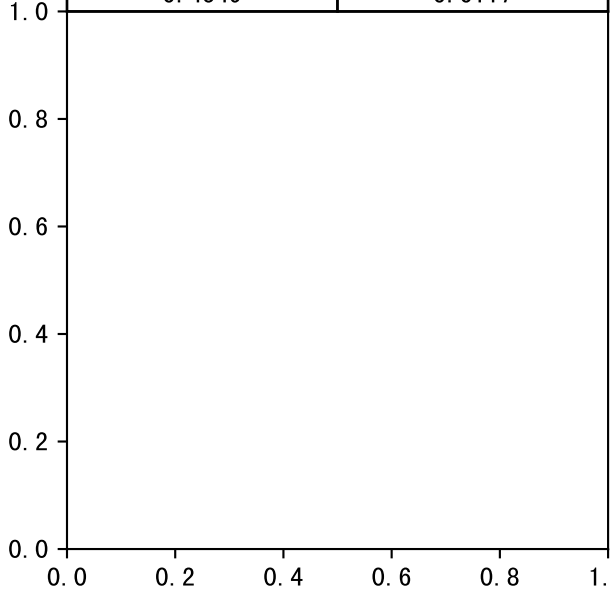

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

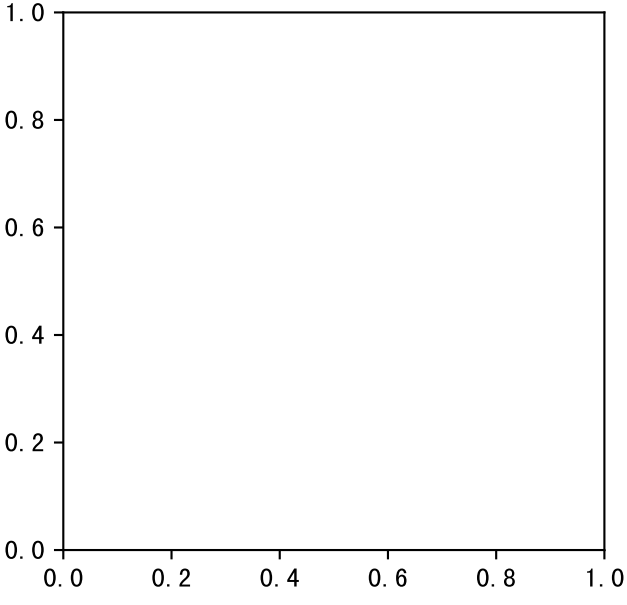

ETcl
ETol
T
RH
VN
I

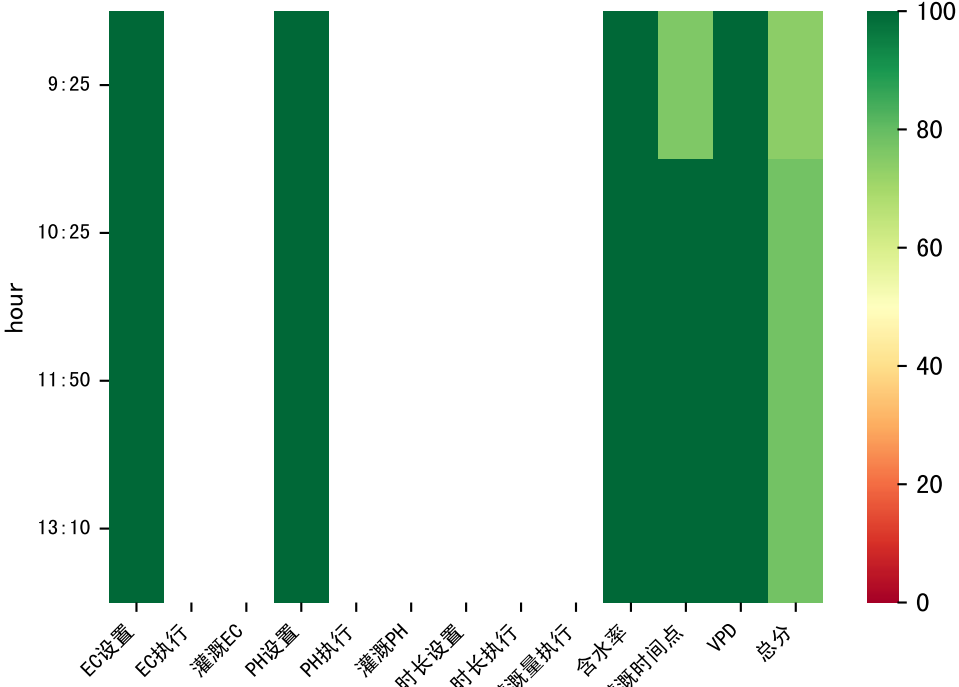




baiA	baiB
0.4549	0.0117

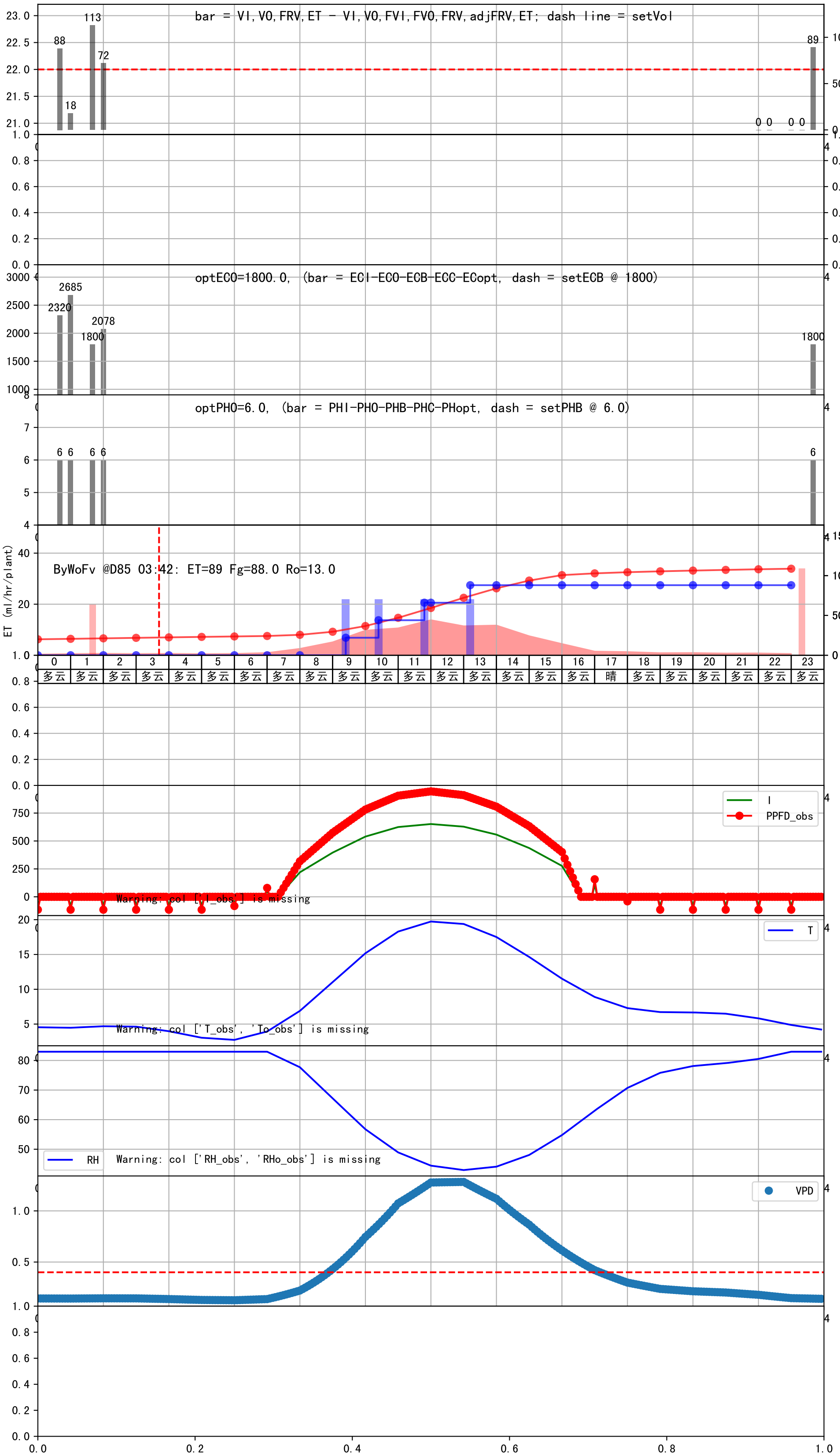


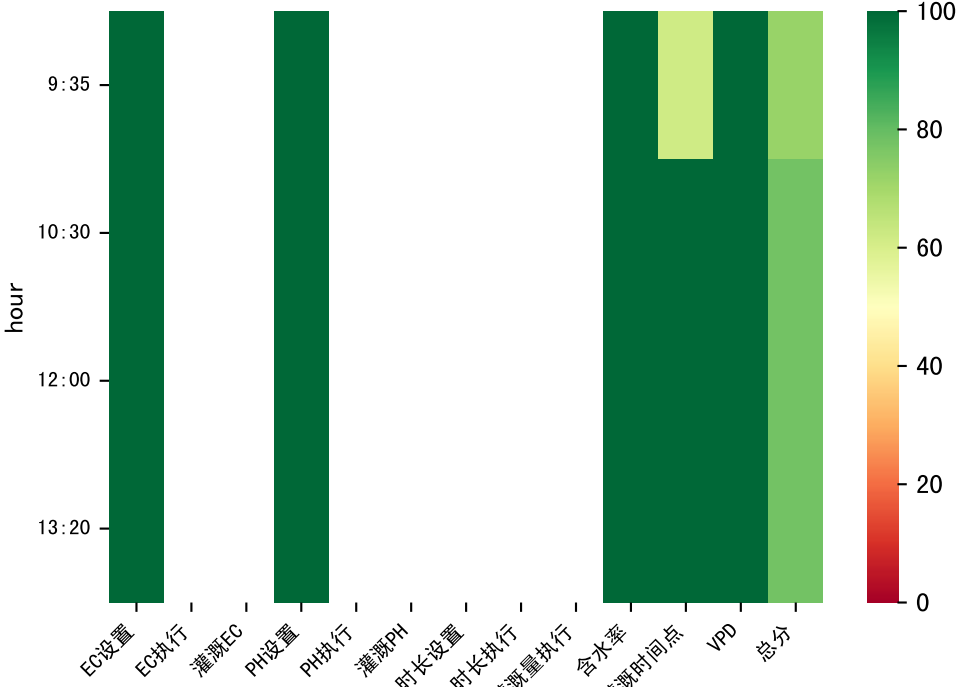



hour
9:25
10:25
11:50
13:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	122	22.0	0.216	多云	预期@09:25 自主（未用传感器）
10:25	122	22.0	0.216	多云	预期@10:25 自主（未用传感器）
11:50	122	22.0	0.216	多云	预期@11:50 自主（未用传感器）
13:10	122	22.0	0.216	多云	预期@13:10 自主（未用传感器）
总计	488.0 (4次)	88.0			建议进液EC：1800， PH：6.0

P1_0, Day=85 (2025-12-18)

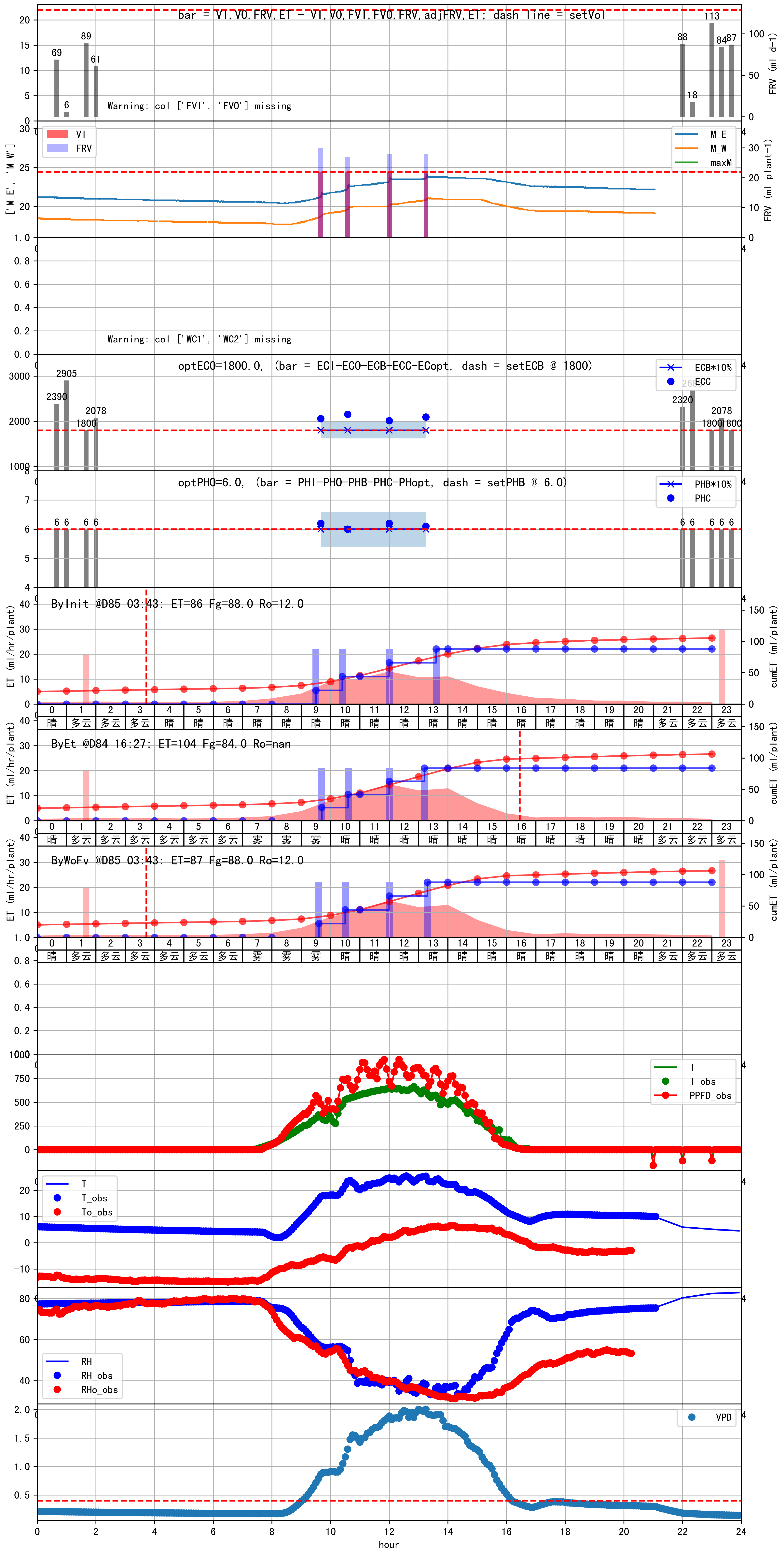


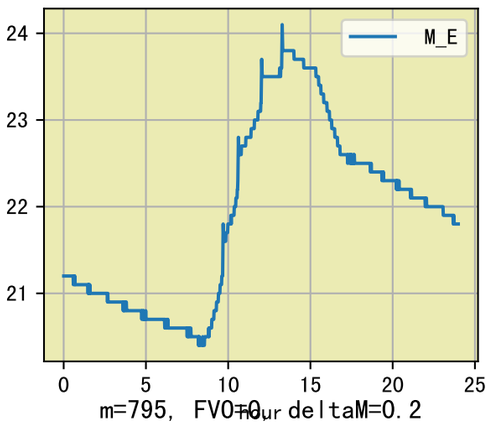

hour
9:35
10:30
12:00
13:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

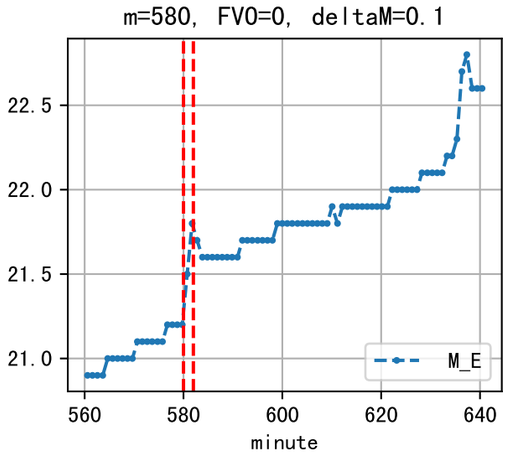
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:35	119	22.0	0.216	雾	假设@09:35 自动（未用传感器）
10:30	119	22.0	0.216	晴	假设@10:30 自动（未用传感器）
12:00	119	22.0	0.216	晴	假设@12:00 自动（未用传感器）
13:20	119	22.0	0.216	晴	假设@13:20 自动（未用传感器）
总计	476.0 (4次)	88.0			建议进液EC：1800， PH：6.0

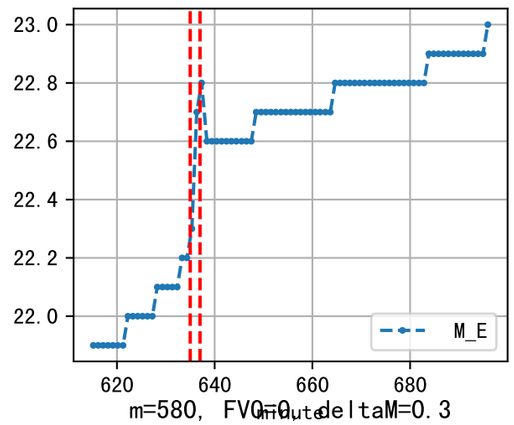
滴头平均流速偏小（0.23），请检查
施肥机灌溉量与预期值不符 (28.0 : 21.0)，可能水表需要校准
默认实际灌溉21.0 ml.
large discrepency for begining water status (22:264.0), set to 22 ml.

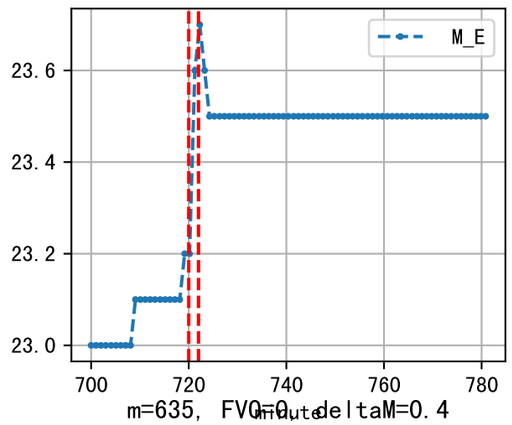
P1_0, Day=84 (2025-12-17)

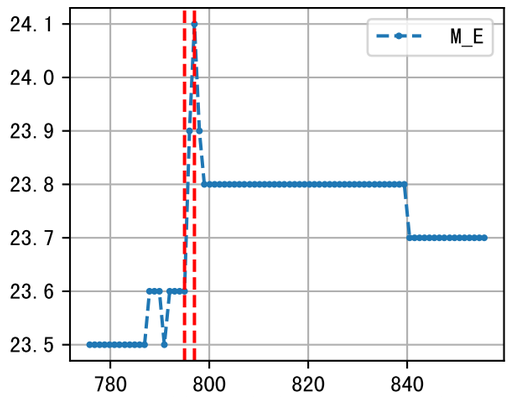


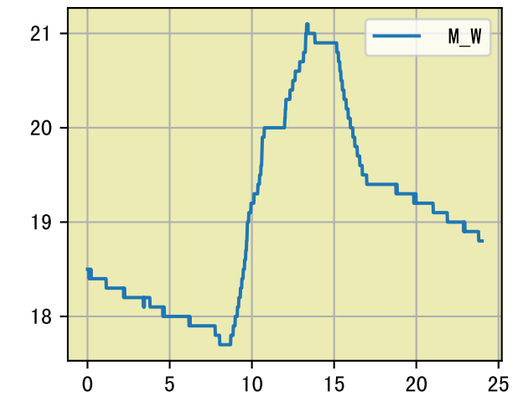

M_E
hour

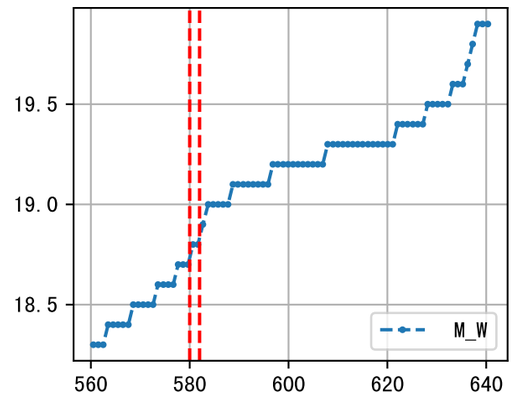

m=580, FVO=0, deltaM=0.1
M_E
minute

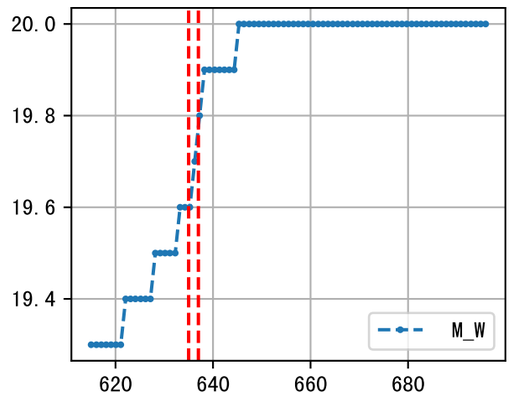

m=635, FVO=0, deltaM=0.3
M_E
minute

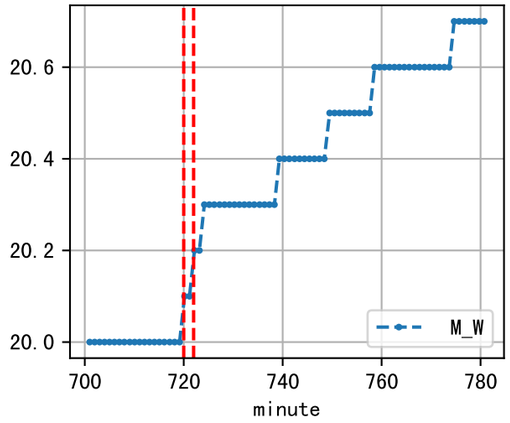

m=720, FVO=0, deltaM=0.3
M_E
minute

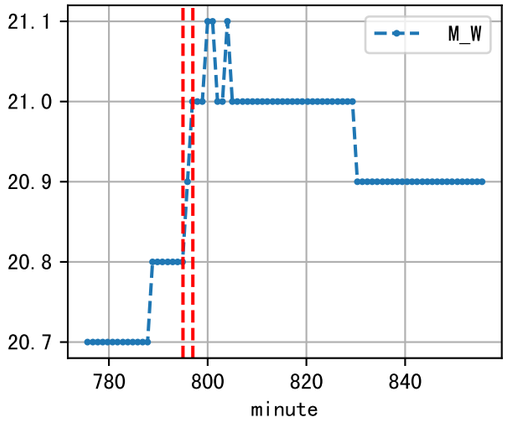

m=795, FVO=0, deltaM=0.2
M_E
minute

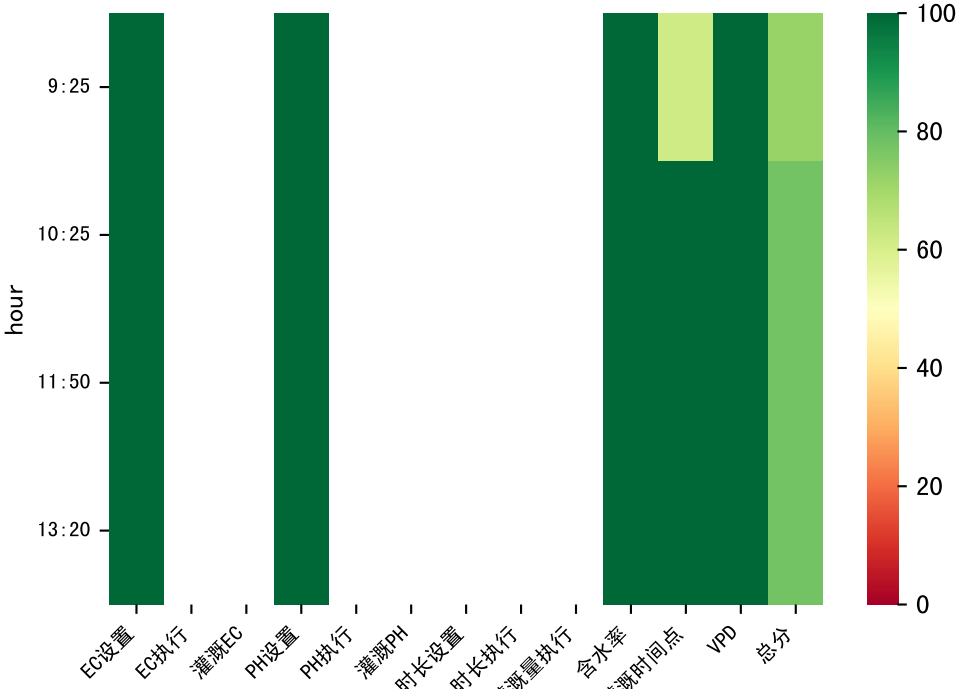

m=795, FVO=0, deltaM=0.1
M_W
hour


m=580, FVO=0, deltaM=0.3
M_W
minute


m=635, FVO=0, deltaM=0.4
M_W
minute


m=720, FVO=0, deltaM=0.2
M_W
minute

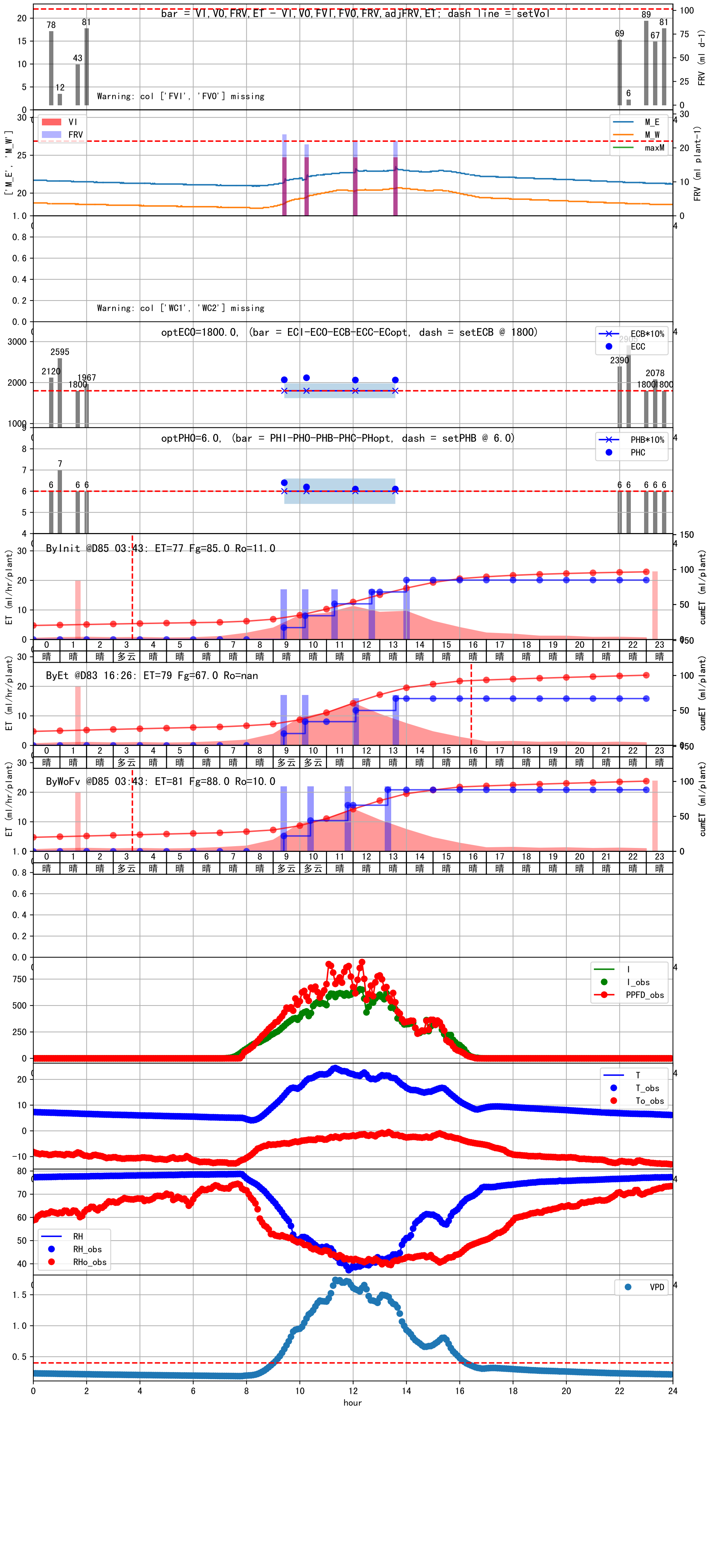

M_W
minute

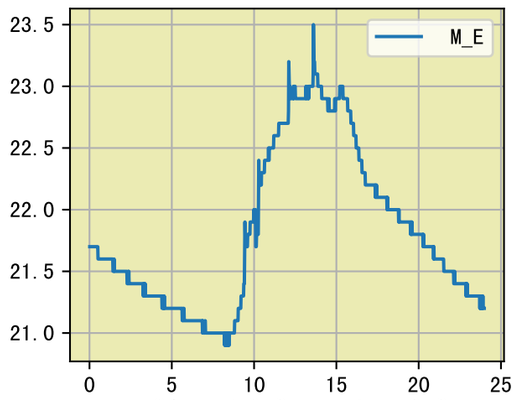

hour
9:25
10:25
11:50
13:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

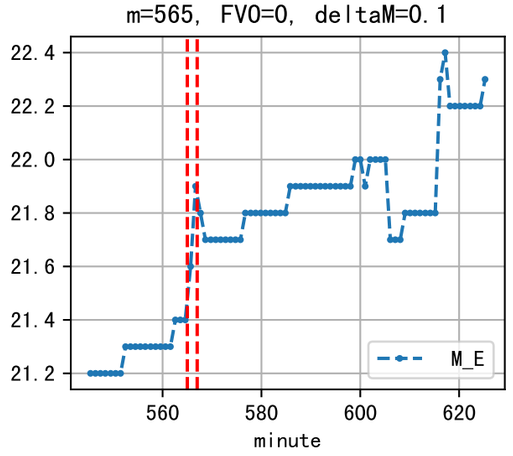
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	93	22.0	0.216	多云	假设@09:25 自动（未用传感器）
10:25	93	22.0	0.216	多云	假设@10:25 自动（未用传感器）
11:50	93	22.0	0.216	晴	假设@11:50 自动（未用传感器）
13:20	93	22.0	0.216	晴	假设@13:20 自动（未用传感器）
总计	372.0 (4次)	88.0			建议进液EC：1800， PH：6.0

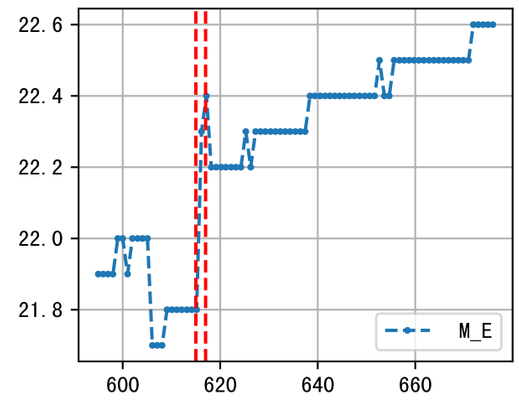
滴头平均流速偏小（0.23），请检查
施肥机灌溉量与预期值不符 (22.0 : 17.0)，可能水表需要校准
上次灌溉时长未按模型建议(93 vs 122.0))
默认实际灌溉17.0 ml.
large discrepency for begining water status (26:249.0), set to 26 ml.

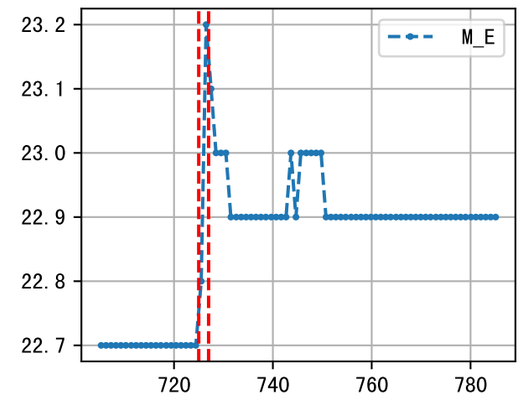
P1_0, Day=83 (2025-12-16)

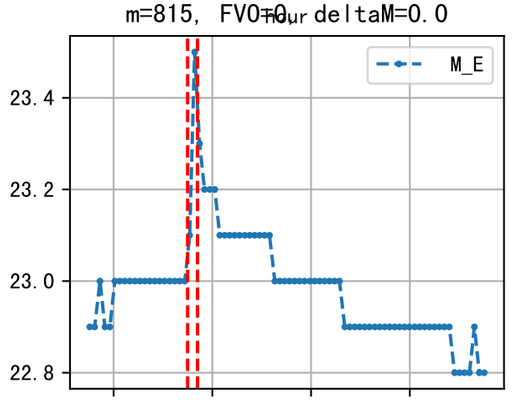


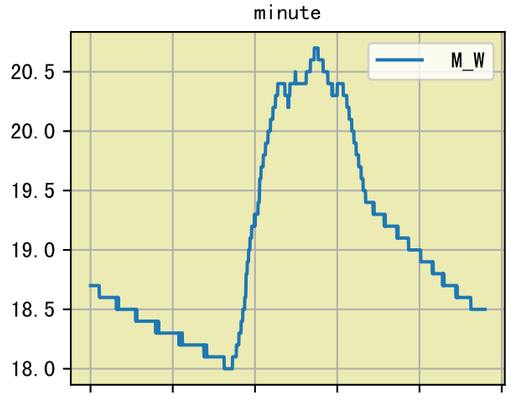

M_E
23.5
23.0
22.5
22.0
21.5
21.0
0
5
10
15
20
25
hour

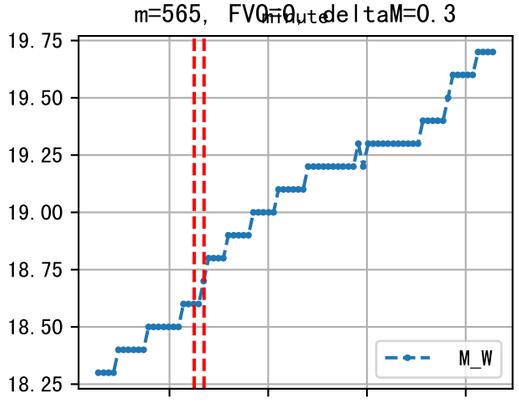

m=565, FVO=0, deltaM=0.1
M_E
22.4
22.2
22.0
21.8
21.6
21.4
21.2
560
580
600
620
minute

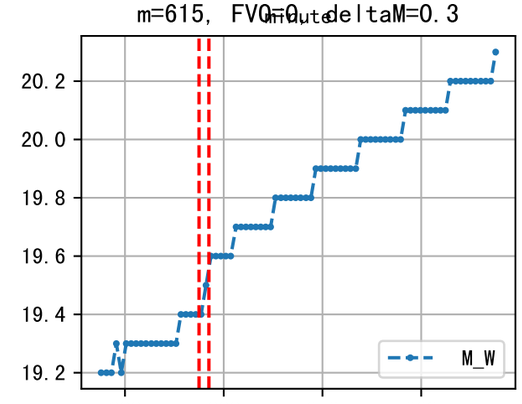

m=615, FVO=0, deltaM=0.5
M_E
22.6
22.4
22.2
22.0
21.8
600
620
640
660
minute

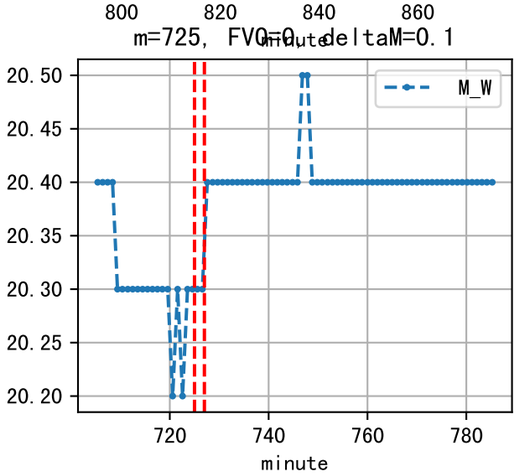

m=725, FVO=0, deltaM=0.1
M_E
23.2
23.1
23.0
22.9
22.8
22.7
720
740
760
780
minute

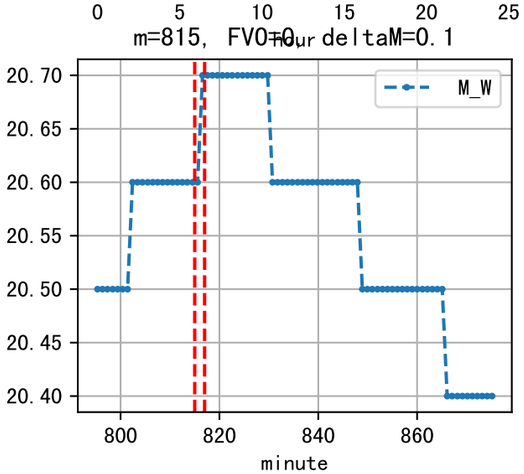

m=815, FVO=0, deltaM=0.0
M_E
23.4
23.2
23.0
22.8
800
820
840
860
minute

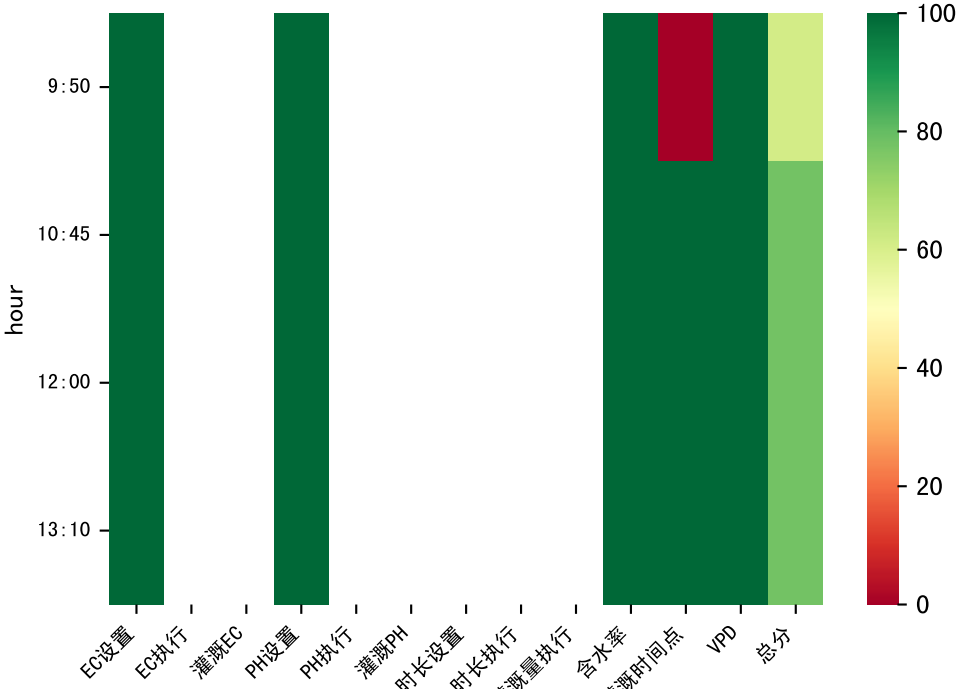

m=565, FVO=0, deltaM=0.1
M_W
20.5
20.0
19.5
19.0
18.5
18.0
0
5
10
15
20
25
hour


m=565, FVO=0, deltaM=0.3
M_W
19.75
19.50
19.25
19.00
18.75
18.50
18.25
560
580
600
620
minute


m=615, FVO=0, deltaM=0.3
M_W
20.2
20.0
19.8
19.6
19.4
19.2
600
620
640
660
minute


m=725, FVO=0, deltaM=0.1
M_W
20.50
20.45
20.40
20.35
20.30
20.25
20.20
720
740
760
780
minute

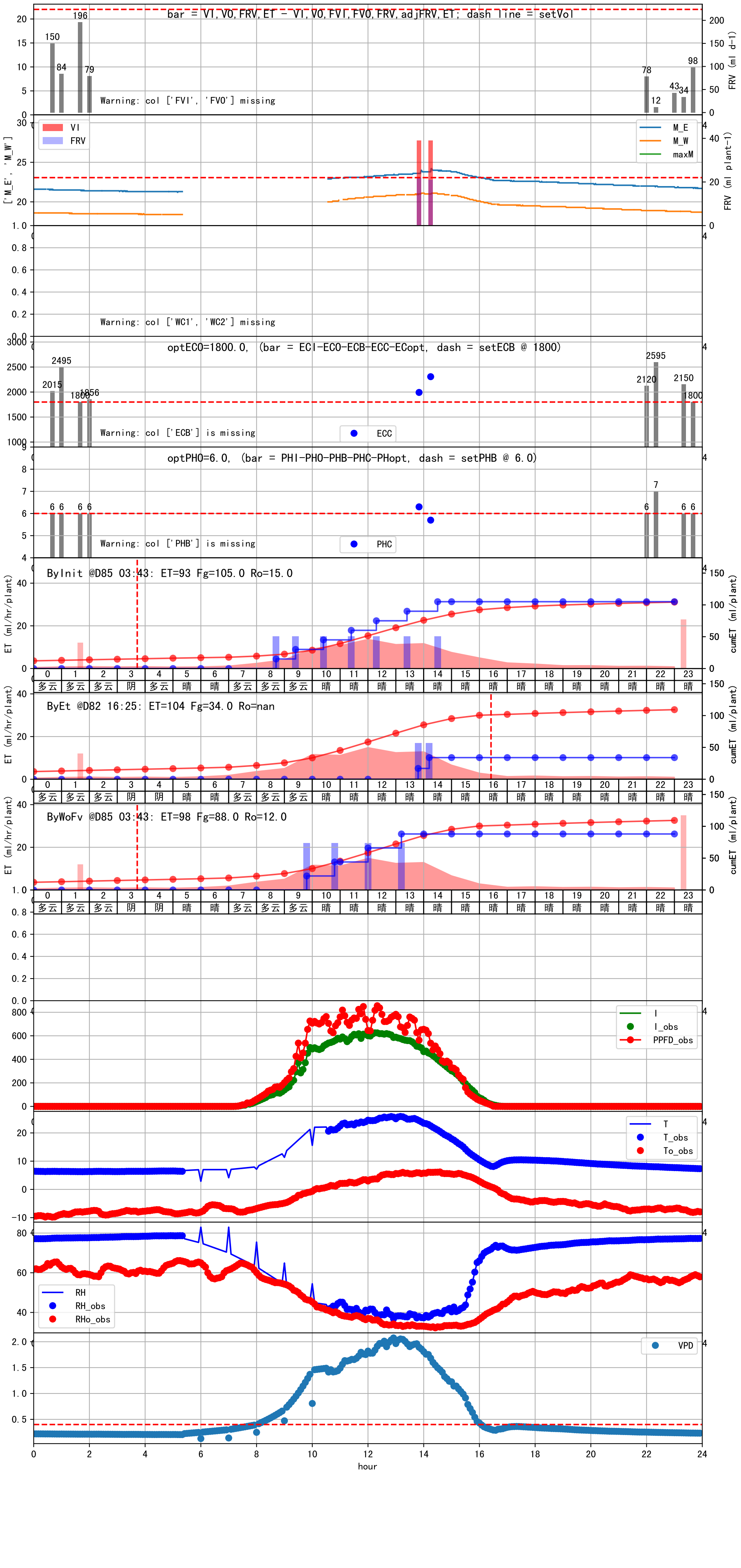

m=815, FVO=0, deltaM=0.1
M_W
20.70
20.65
20.60
20.55
20.50
20.45
20.40
800
820
840
860
minute

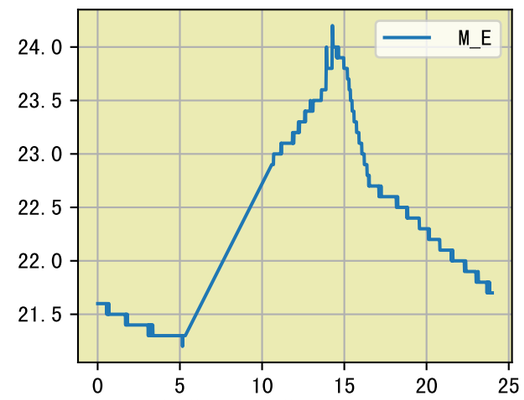

hour
9:50
10:45
12:00
13:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

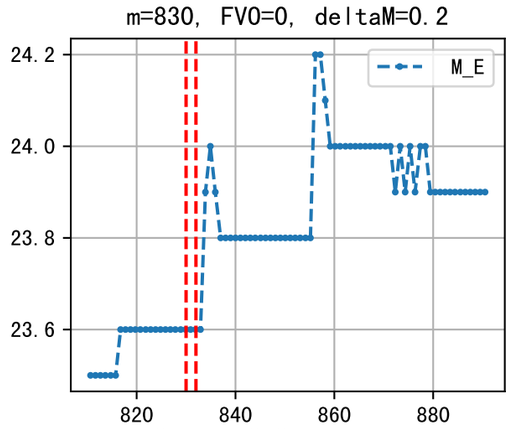
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:50	94	22.0	0.216	多云	假设@09:50 手动（未用传感器）
10:45	94	22.0	0.216	晴	假设@10:45 手动（未用传感器）
12:00	94	22.0	0.216	晴	假设@12:00 手动（未用传感器）
13:10	94	22.0	0.216	晴	假设@13:10 手动（未用传感器）
总计	376.0 (4次)	88.0			建议进液EC：1800， PH：6.0

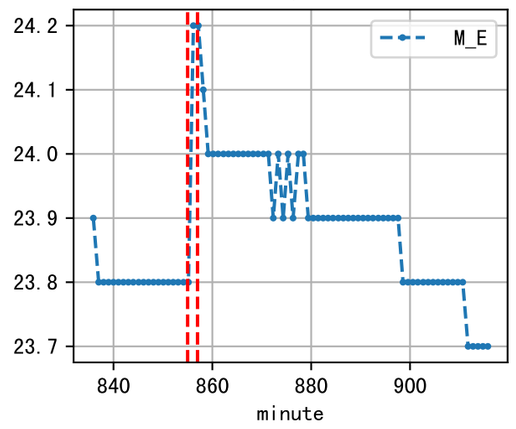
滴头平均流速偏小（0.23），请检查
施肥机灌溉量与预期值不符 (21.0 : 17.0)，可能水表需要校准
上次灌溉时长未按模型建议(92 vs 122.0))
默认实际灌溉17.0 ml.
large discrepency for begining water status (12:252.0), set to 12 ml.

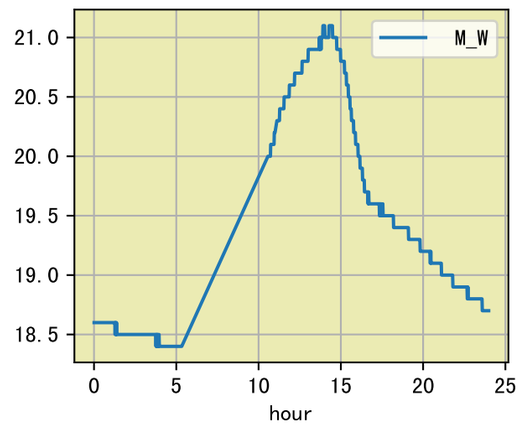
P1_0, Day=82 (2025-12-15)

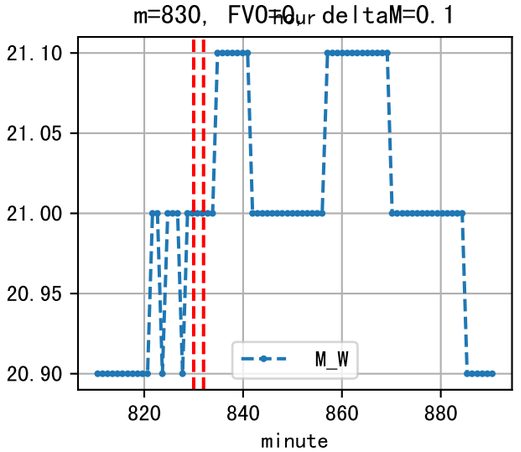


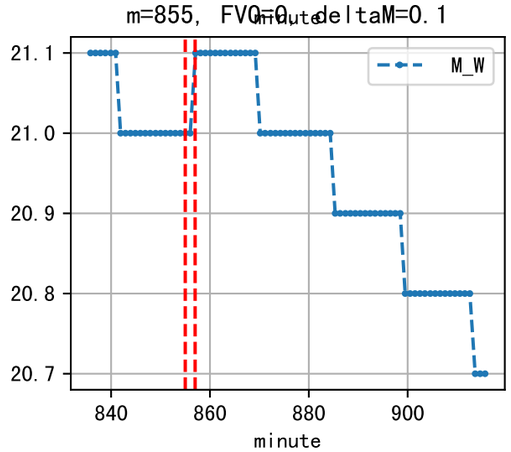

M_E
hour

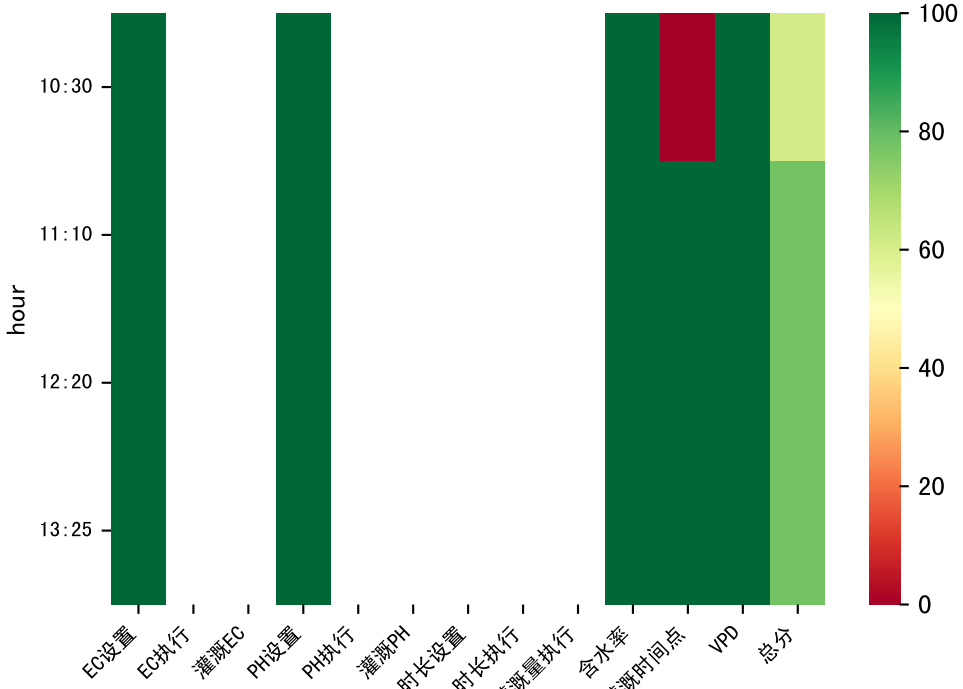

m=830, FV0=0, deltaM=0.2
M_E
minute


m=855, FV0=0, deltaM=0.2
M_E
minute


M_W
hour


m=830, FV0=0, deltaM=0.1
M_W
minute

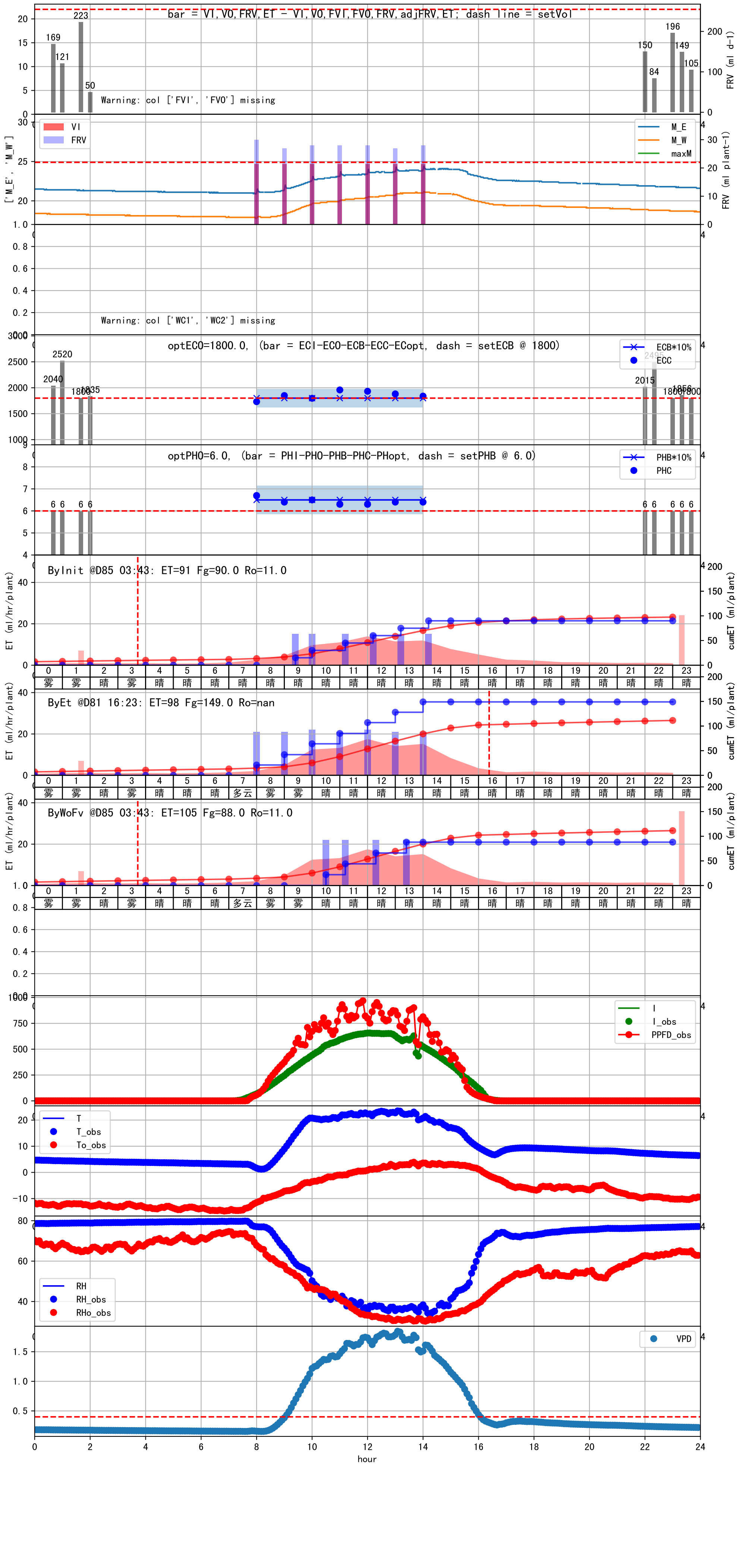

m=855, FV0=0, deltaM=0.1
M_W
minute

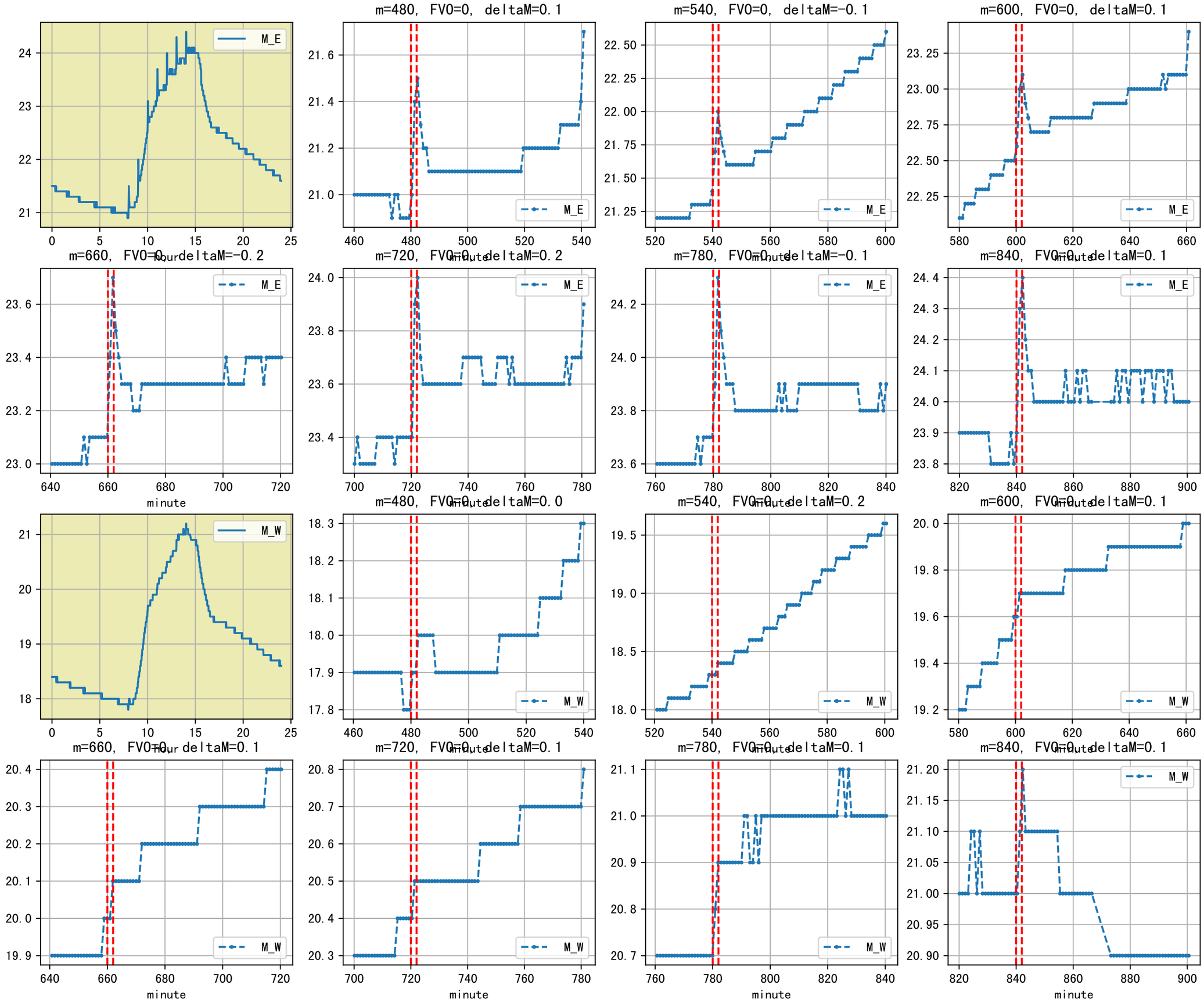

hour
10:30
11:10
12:20
13:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
10:30	117	22.0	0.216	晴	假设@10:30 手动（未用传感器）
11:10	117	22.0	0.216	晴	假设@11:10 手动（未用传感器）
12:20	117	22.0	0.216	晴	假设@12:20 手动（未用传感器）
13:25	117	22.0	0.216	晴	假设@13:25 手动（未用传感器）
总计	468.0 (4次)	88.0			建议进液EC：1800， PH：6.0

滴头平均流速偏小（0.23），请检查
施肥机灌溉量与预期值不符 (28.0 : 21.0)，可能水表需要校准
默认实际灌溉21.0 ml.
large discrepency for begining water status (7:257.0), set to 7 ml.

P1_0, Day=81 (2025-12-14)




M_E
m=480, FV0=0, deltaM=0.1
m=540, FV0=0, deltaM=-0.1
m=600, FV0=0, deltaM=0.1
m=660, FV0=0, deltaM=-0.2
m=720, FV0=0, deltaM=0.2
m=780, FV0=0, deltaM=-0.1
m=840, FV0=0, deltaM=0.1
m=480, FV0=0, deltaM=0.0
m=540, FV0=0, deltaM=0.2
m=600, FV0=0, deltaM=0.1
M_W
m=660, FV0=0, deltaM=0.1
m=720, FV0=0, deltaM=0.1
m=780, FV0=0, deltaM=0.1
m=840, FV0=0, deltaM=0.1
minute