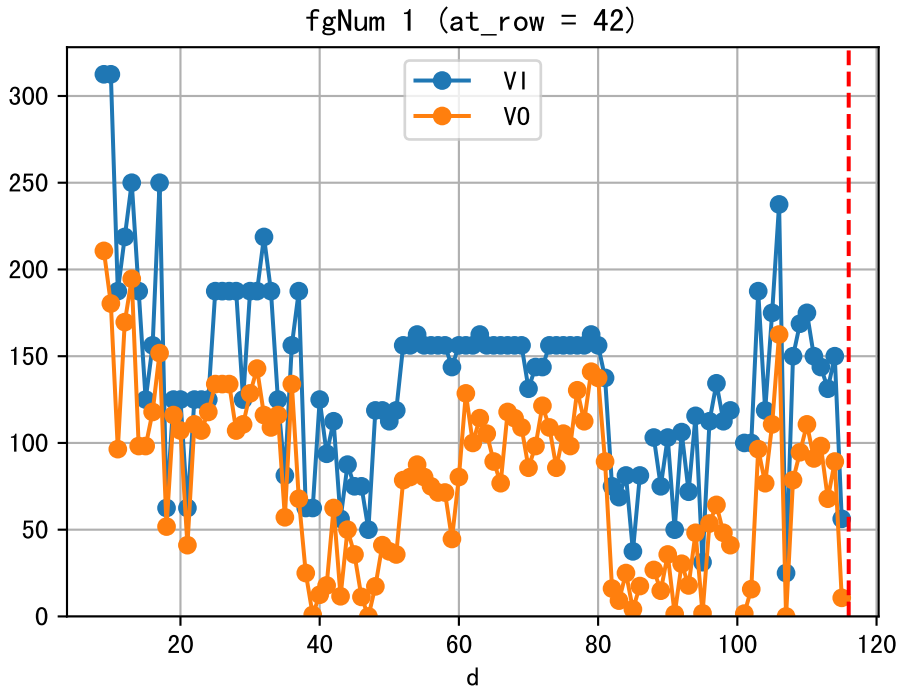
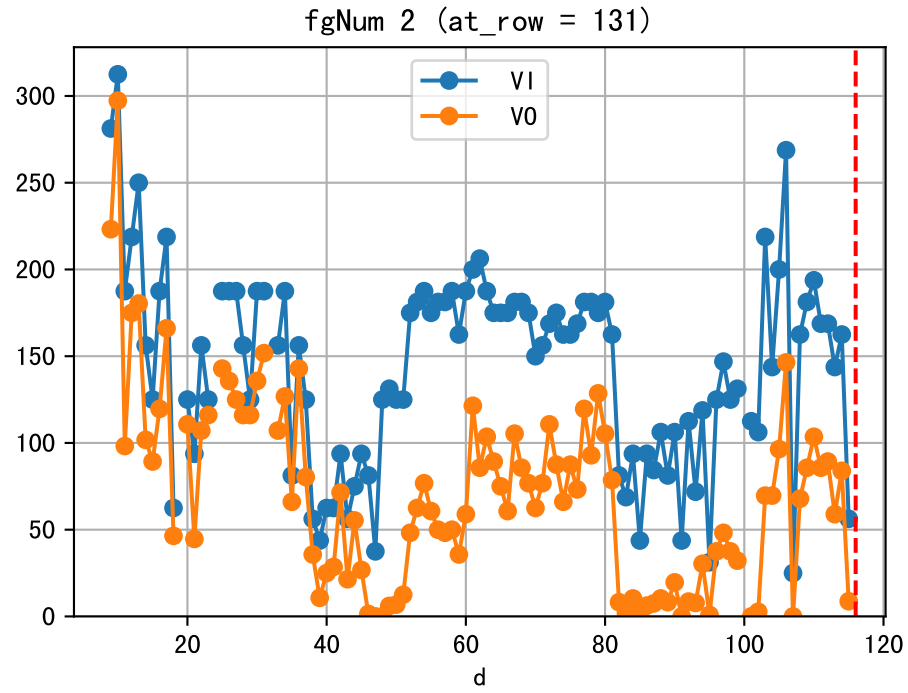
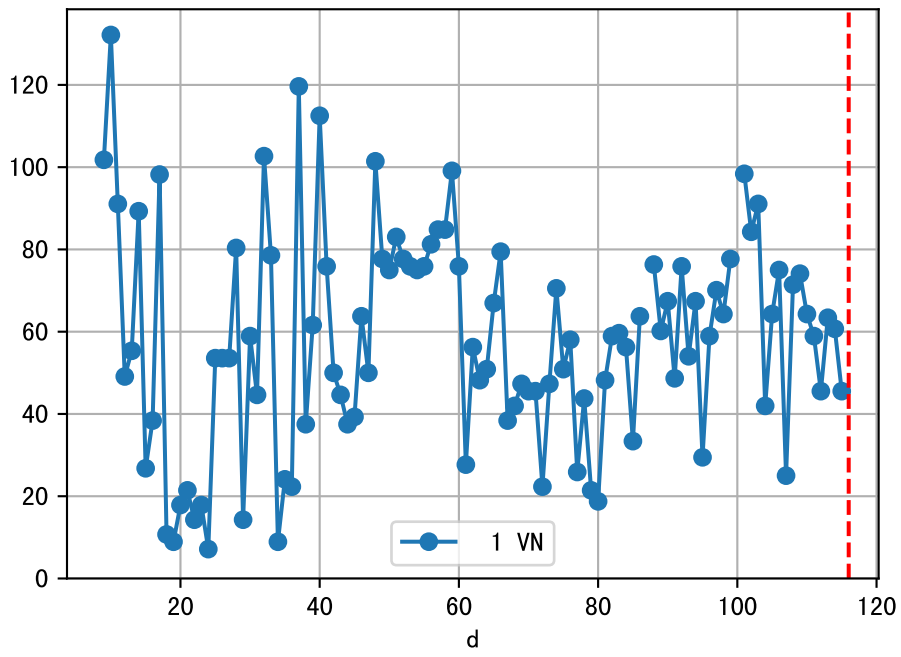
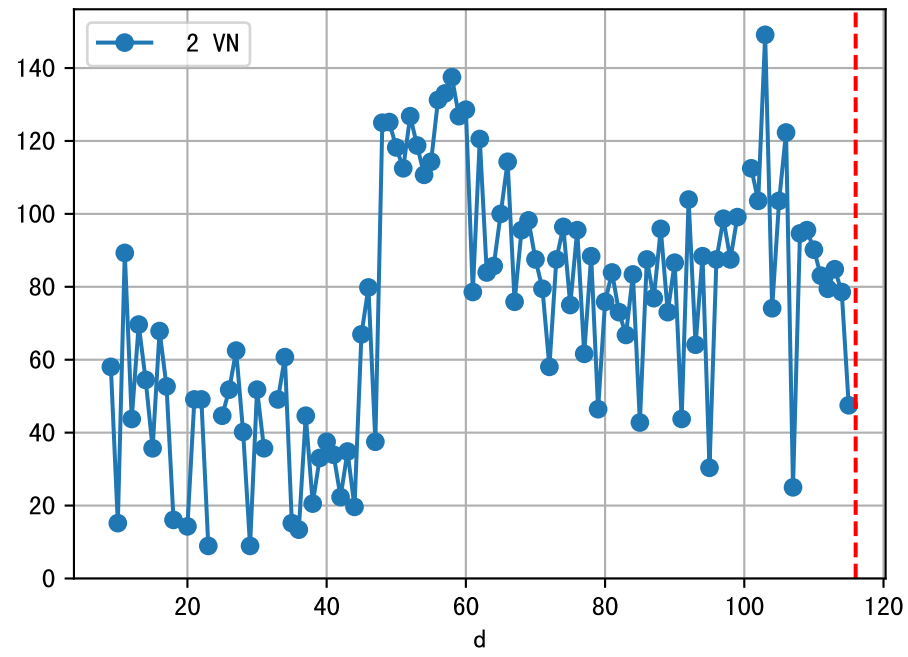
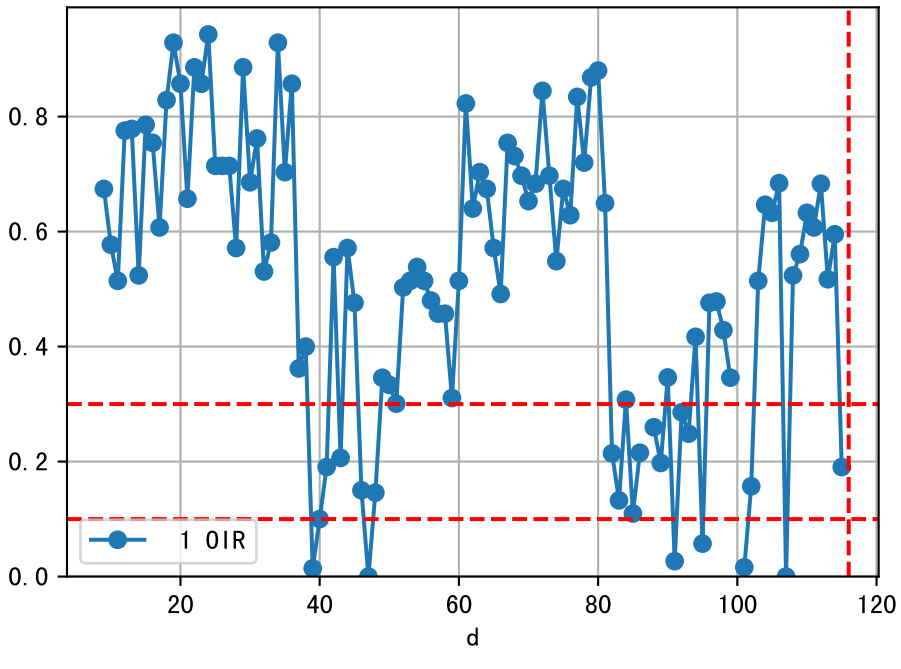
FgArea: ['0']
NC11 P1
2026-01-18 (Day 116)

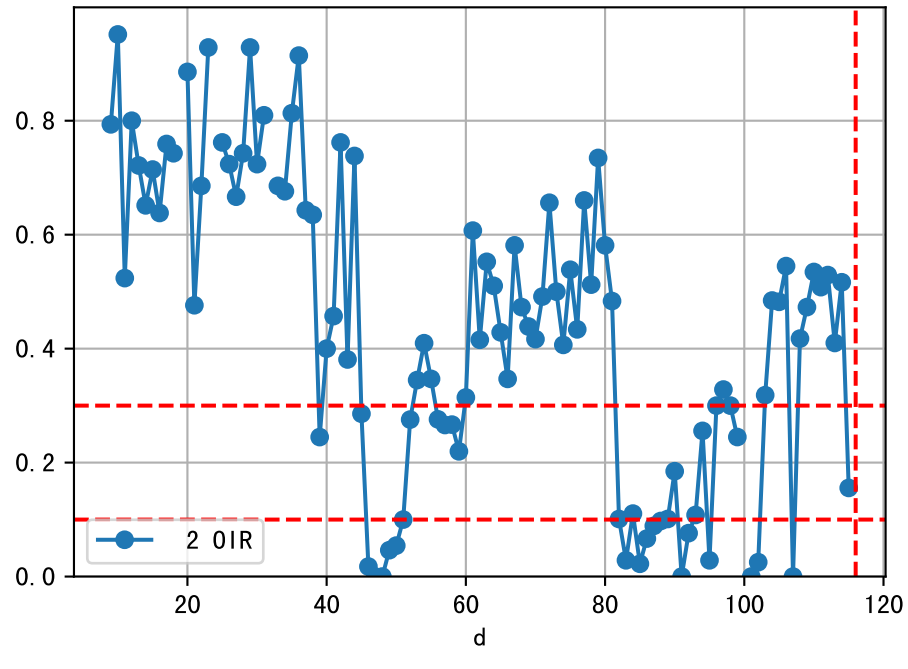

fgNum 1 (at_row = 42)
VI
VO
d

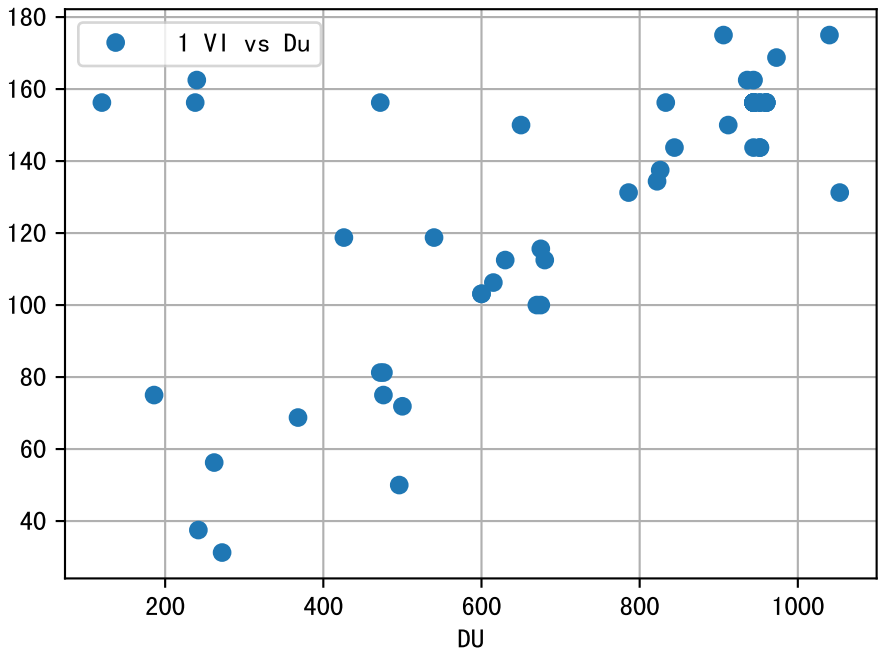

fgNum 2 (at_row = 131)
VI
VO
d

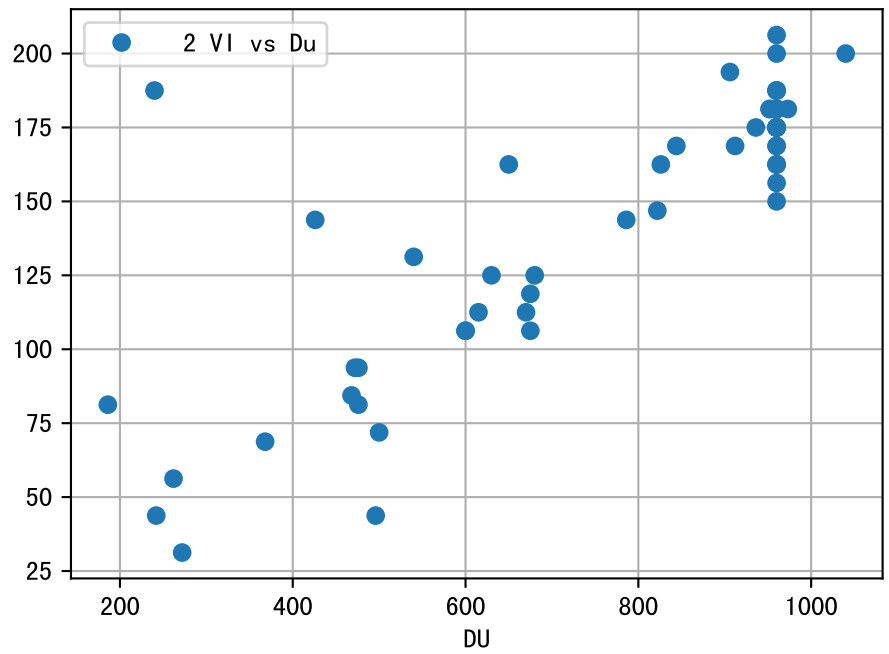

1 VN
d

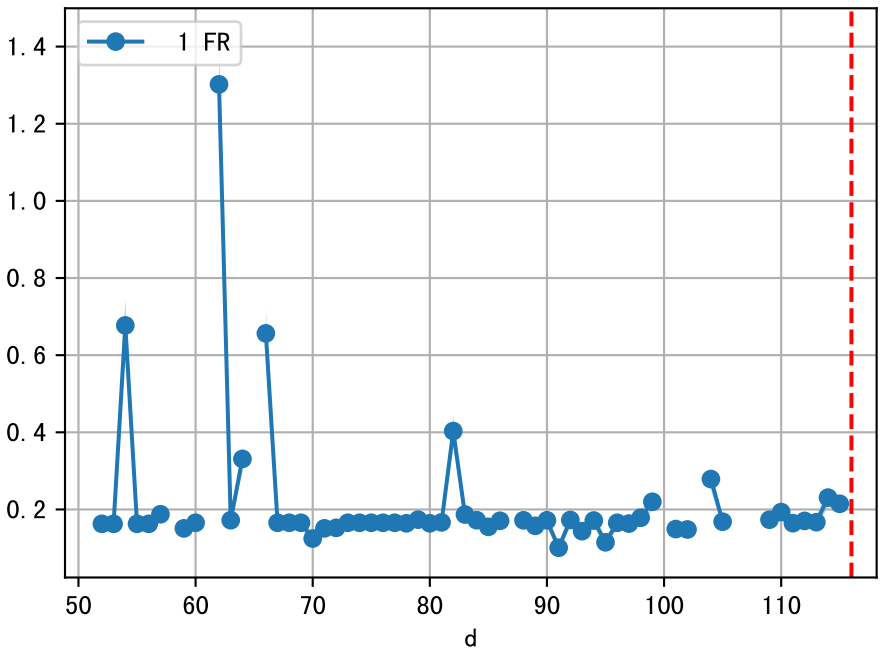

2 VN
d

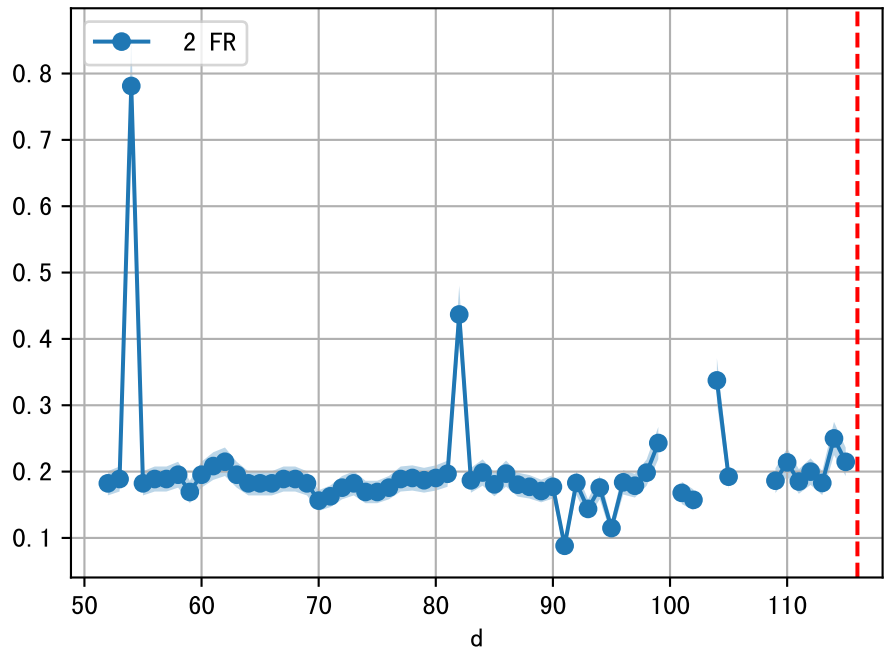

1 OIR
d

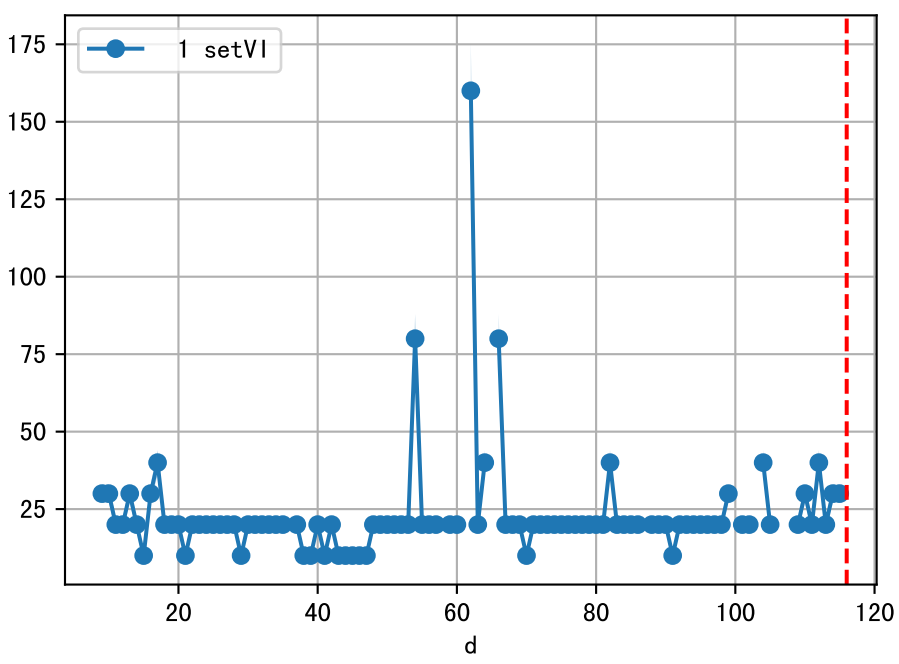

2 OIR
d

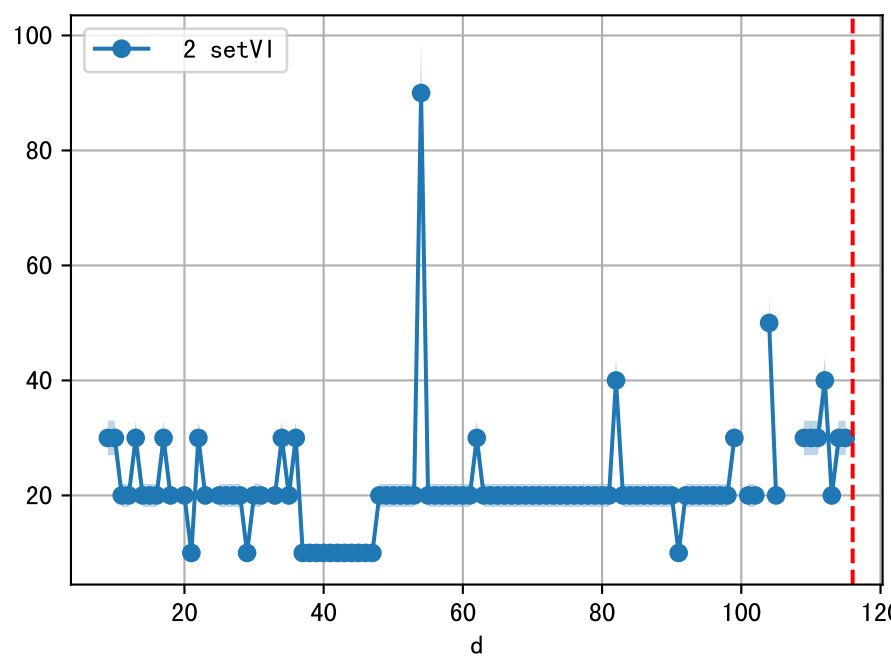

1 VI vs Du
DU

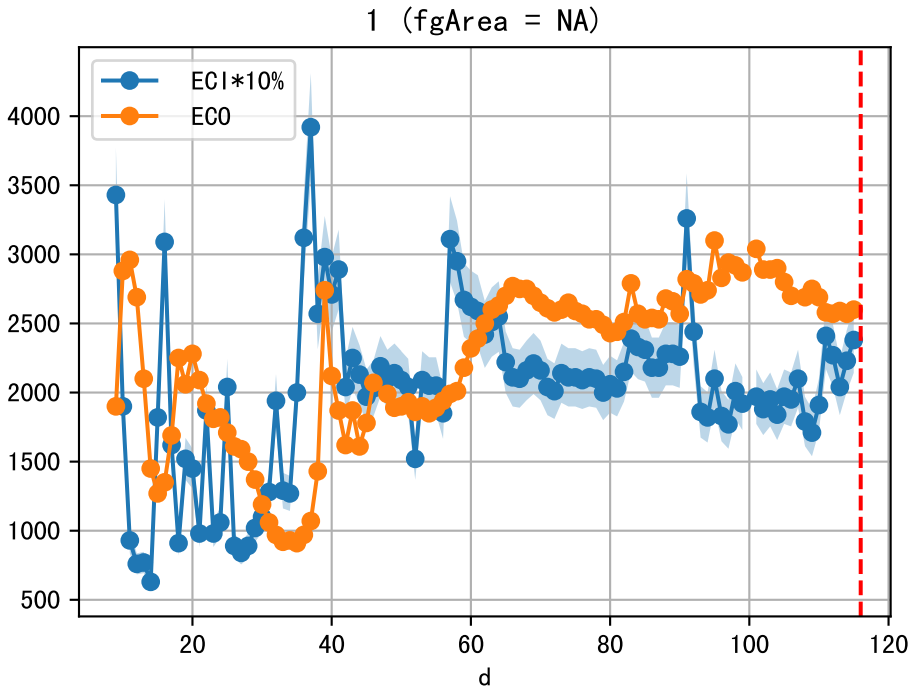

2 VI vs Du
DU

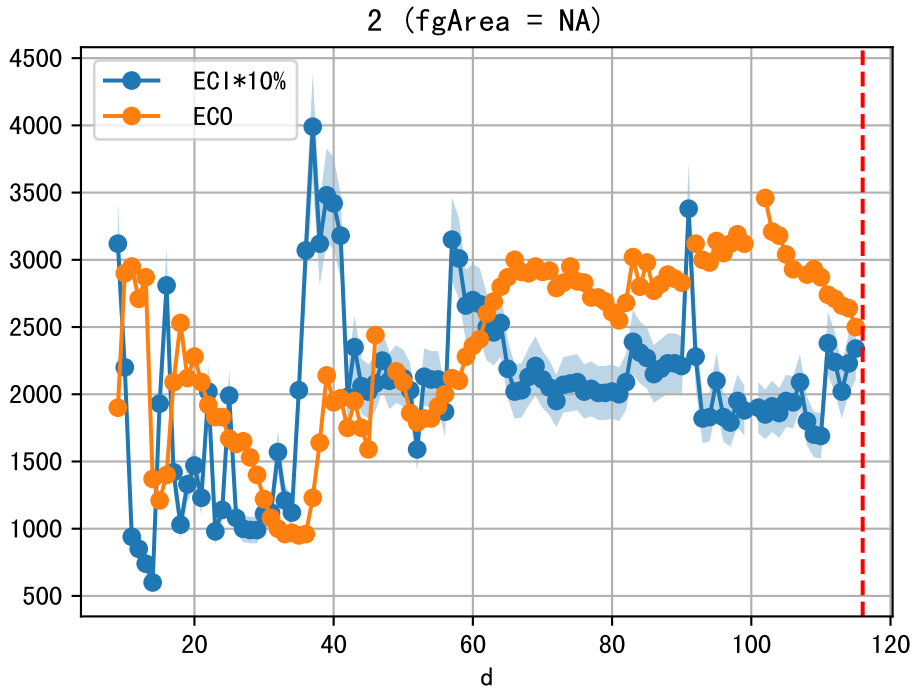

1 FR
d

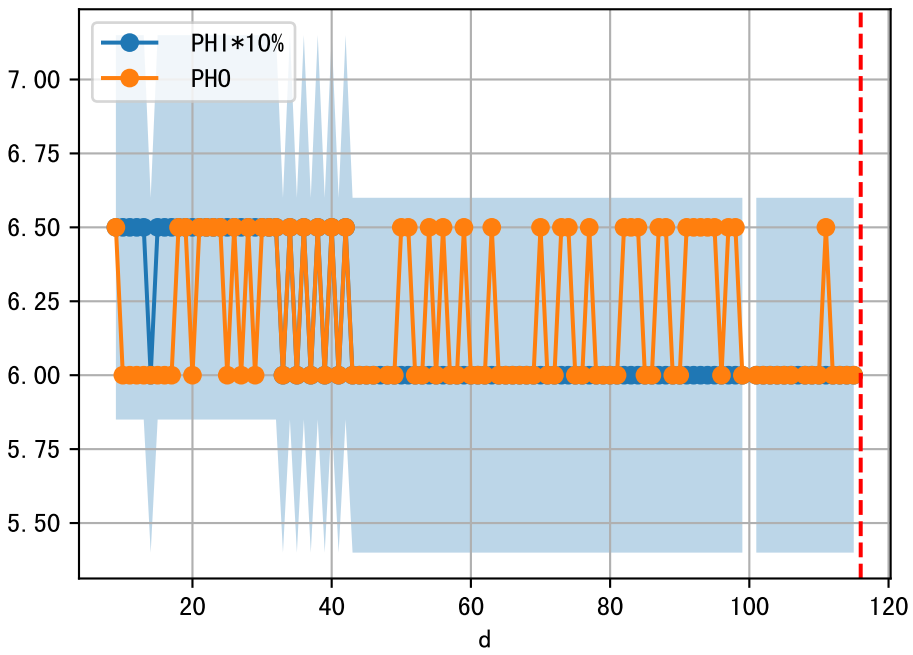

2 FR
d

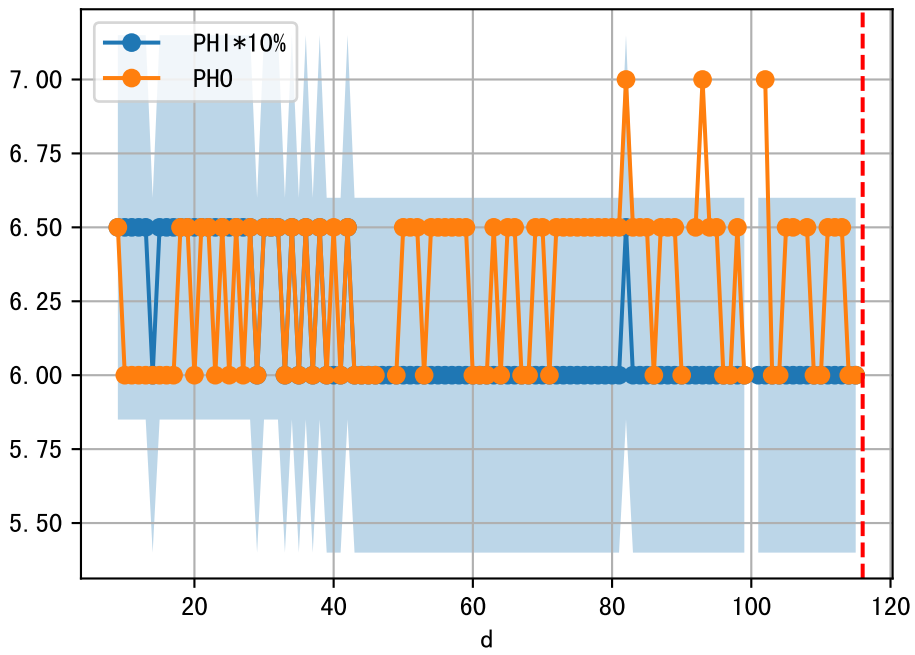

1 setVI
d

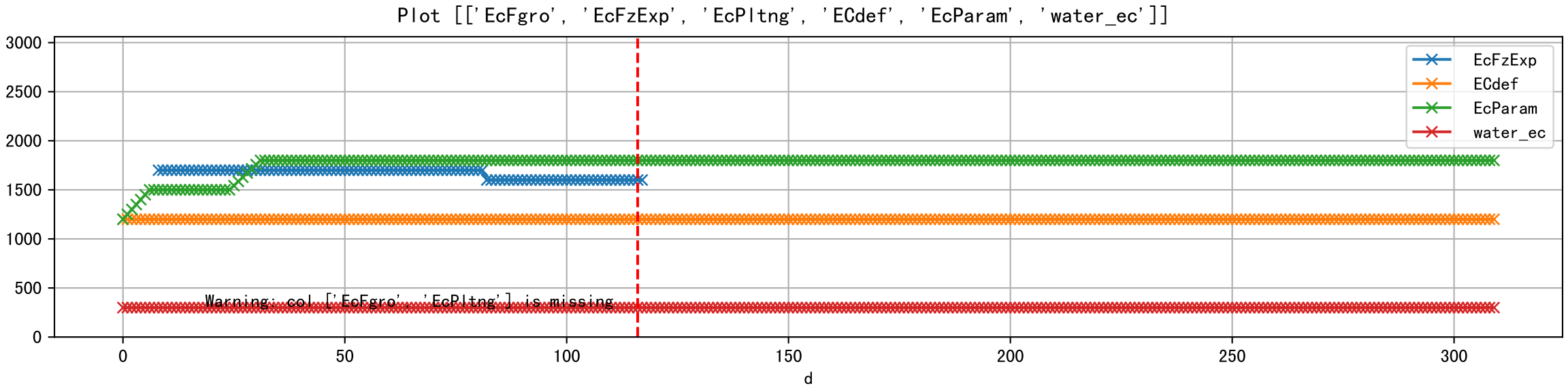

2 setVI
d

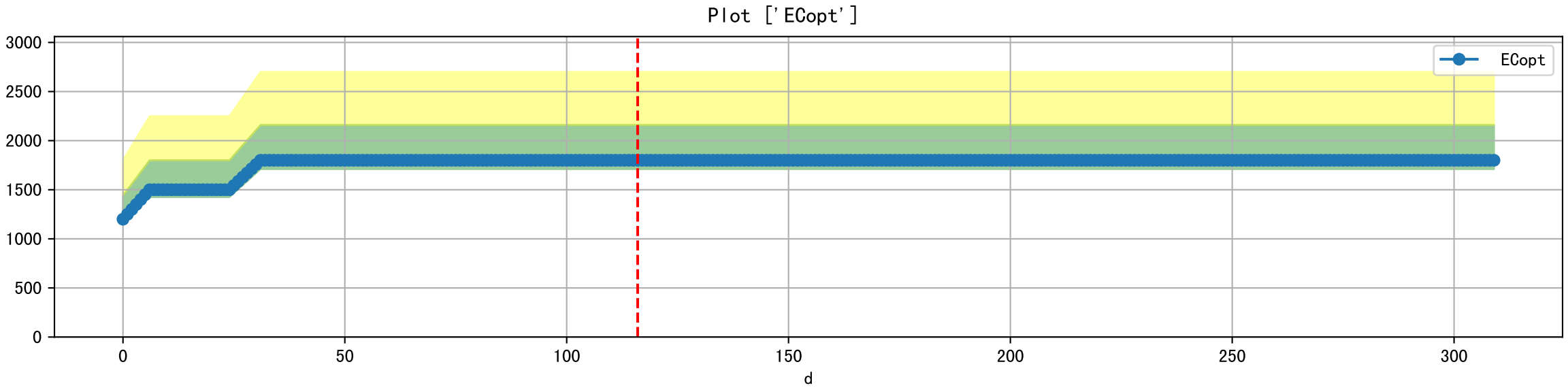

1 (fgArea = NA)
ECI*10%
ECO
4000
3500
3000
2500
2000
1500
1000
500
20
40
60
80
100
120
d


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

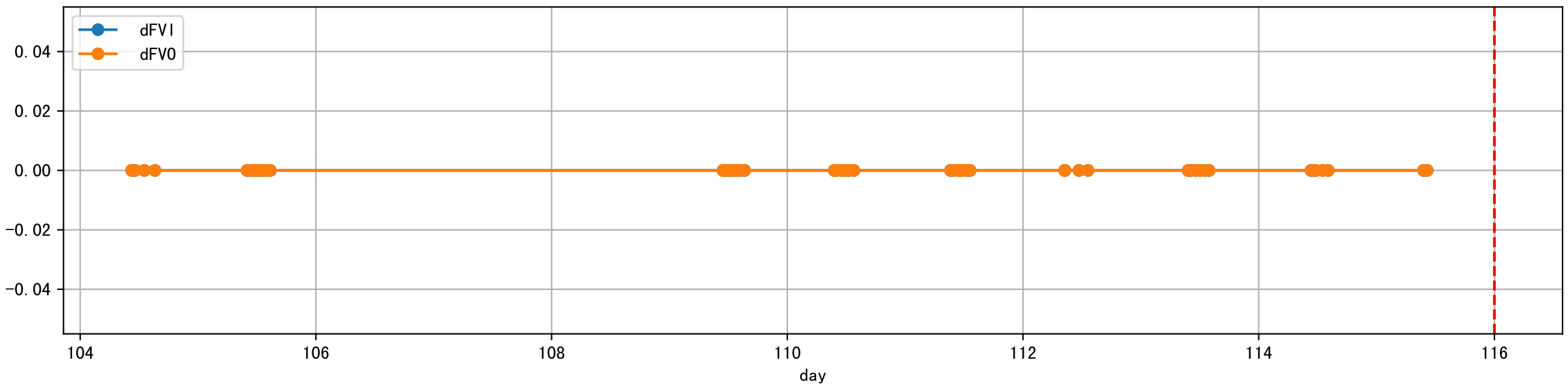

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
d

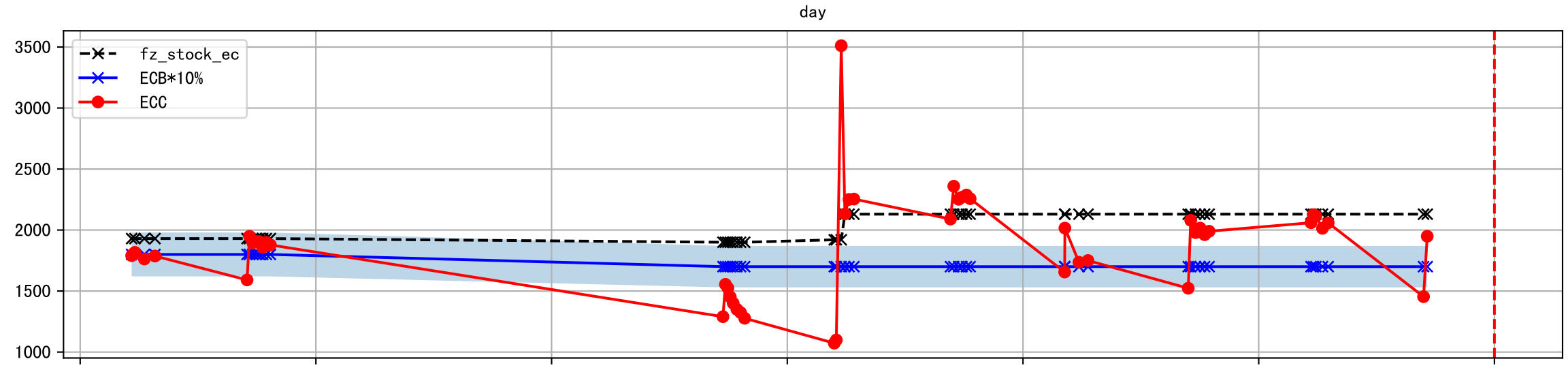

PHI*10%
PHO
7.00
6.75
6.50
6.25
6.00
5.75
5.50
20
40
60
80
100
120
d

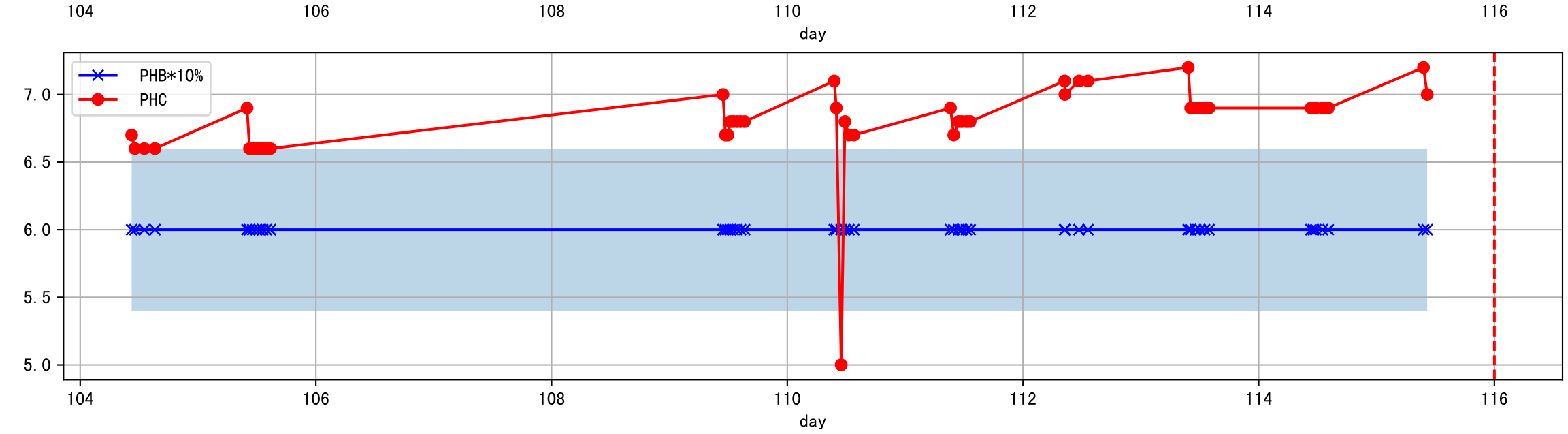

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

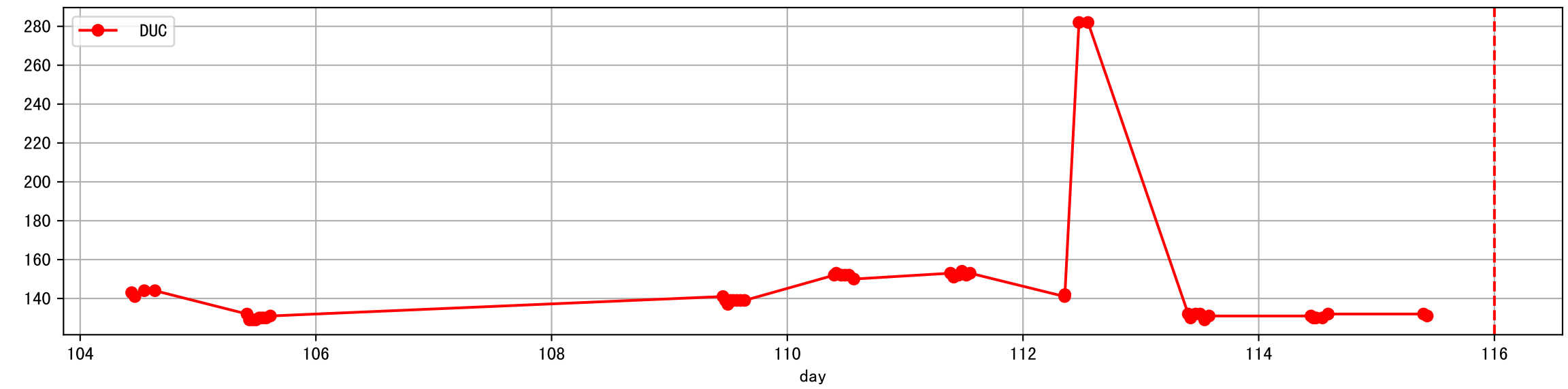

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
250
300
d

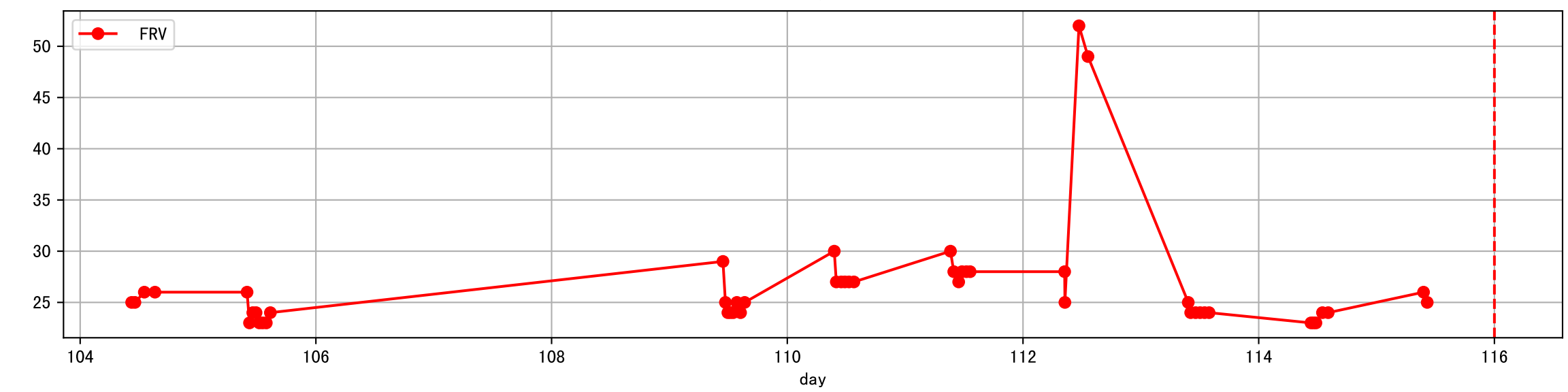
Plot Sensor and FgRec Data

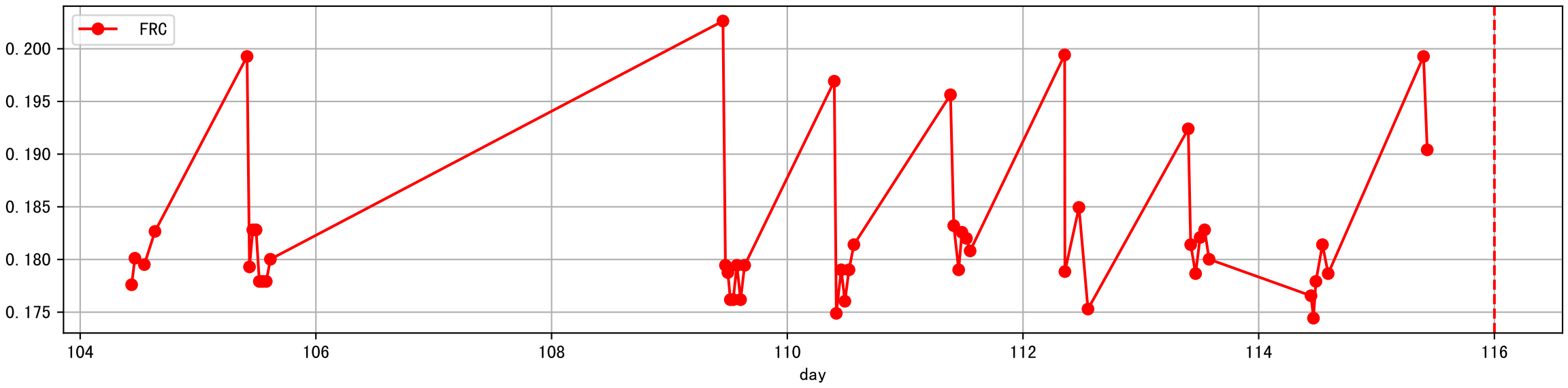


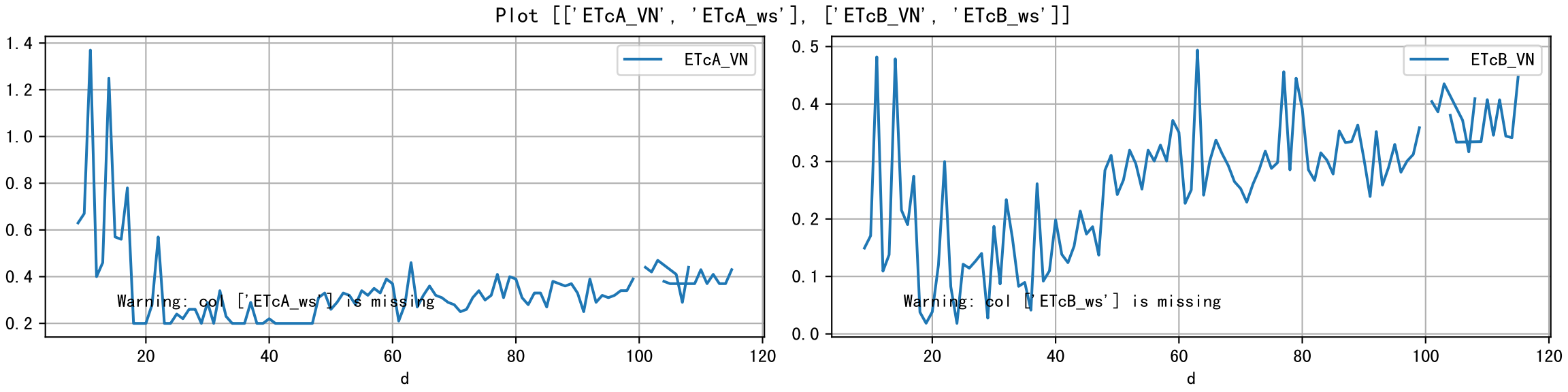


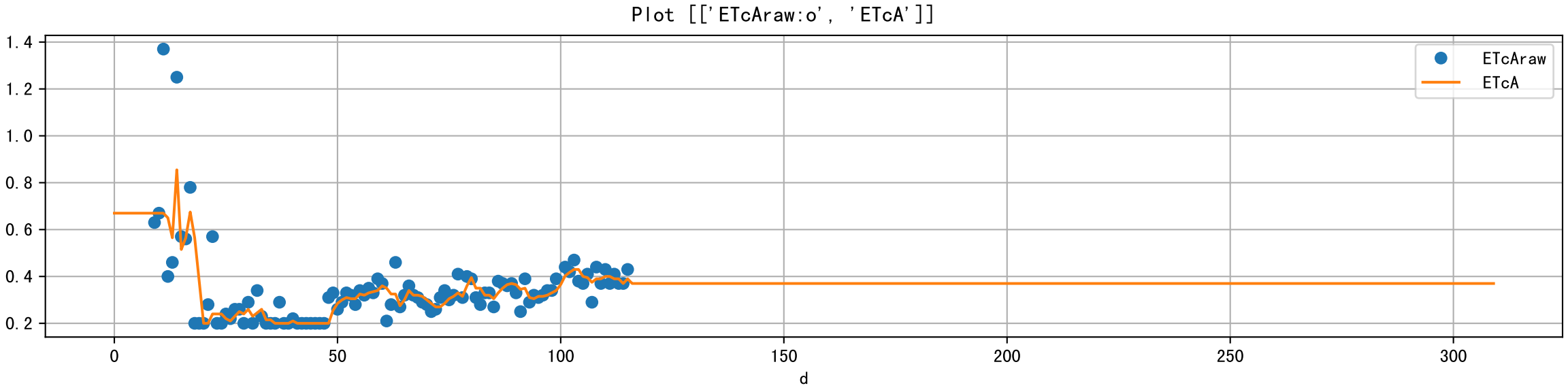


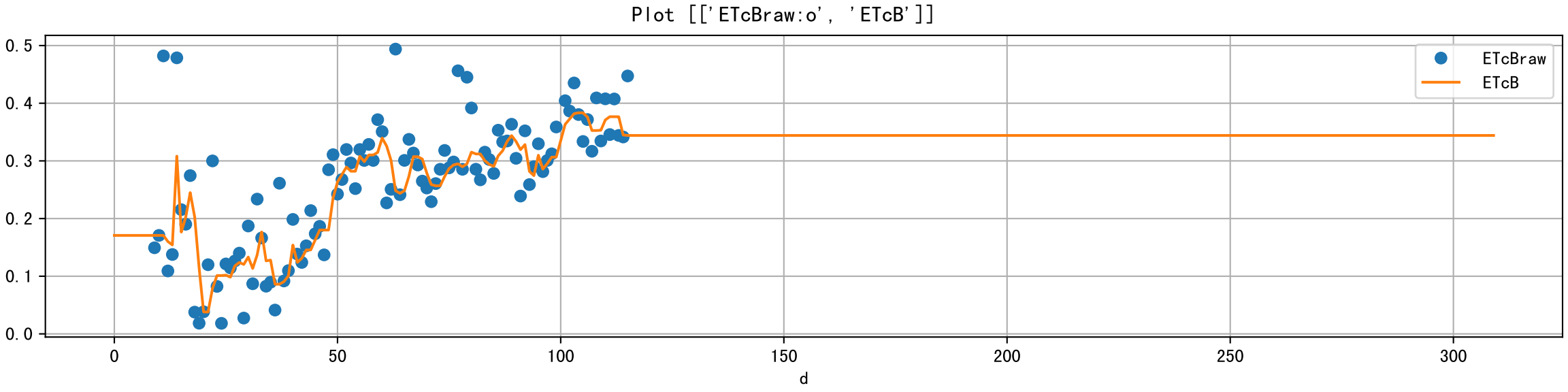




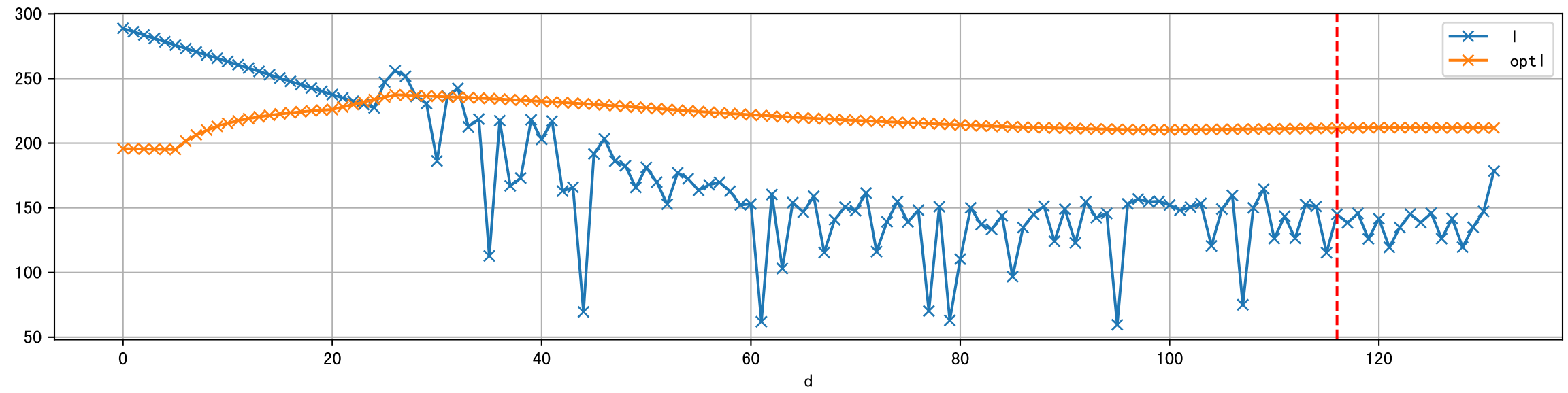


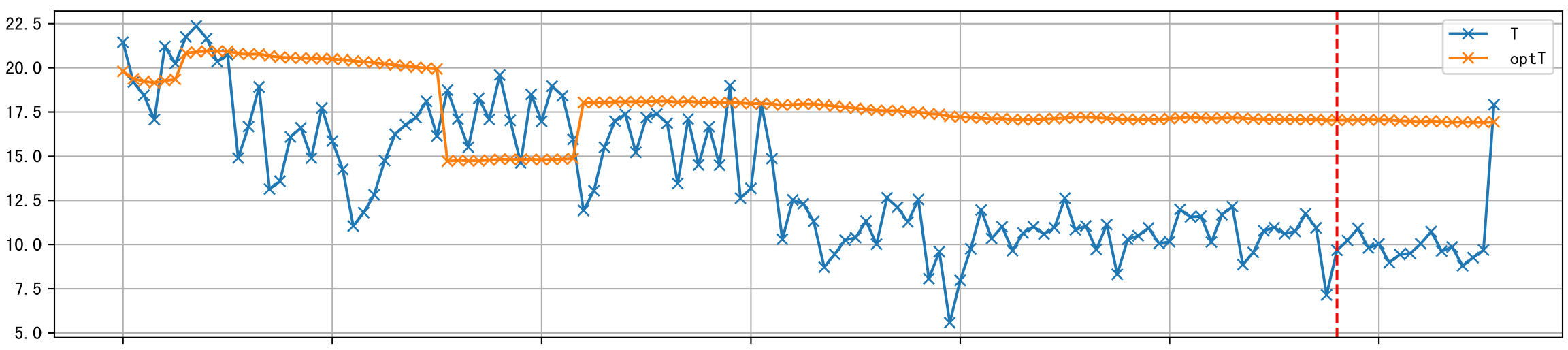

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
Warning: col ['ETcA_ws'] is missing
d
ETcB_VN
Warning: col ['ETcB_ws'] is missing
d

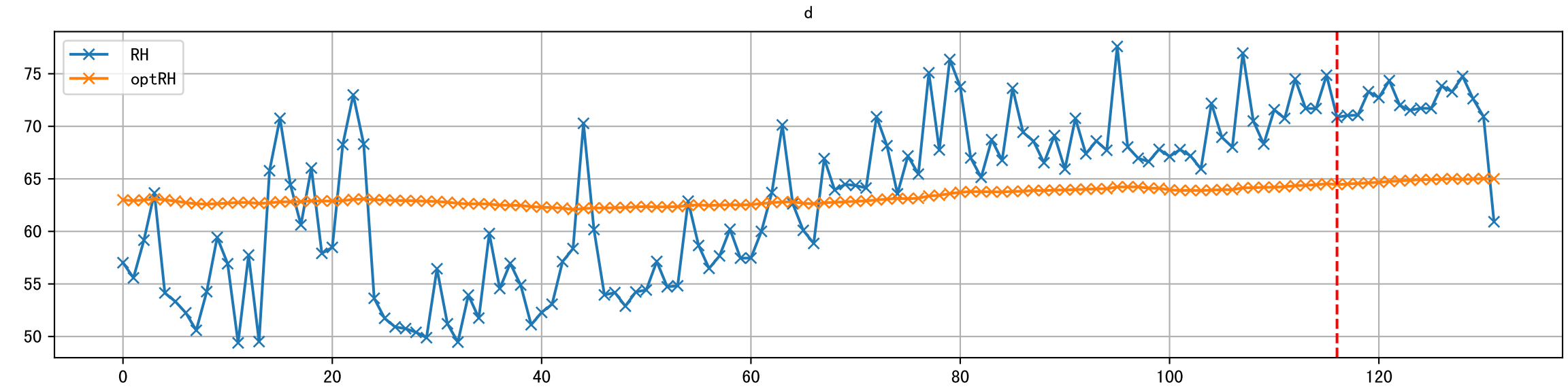

Plot [['ETcAraw:o', 'ETcA']]
ETcAraw
ETcA
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
50
100
150
200
250
300
d

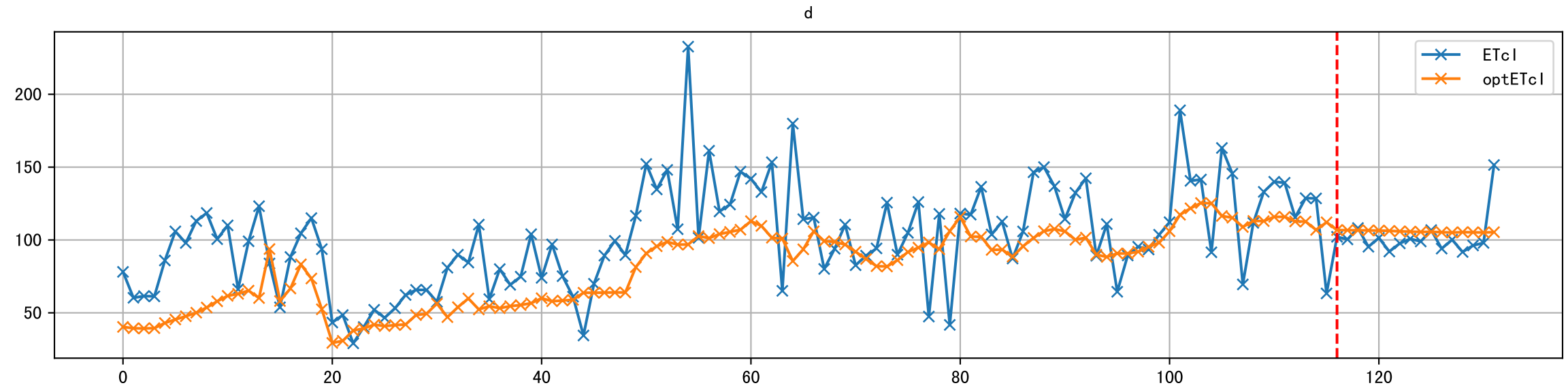

Plot [['ETcBraw:o', 'ETcB']]
ETcBraw
ETcB
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
250
300
d

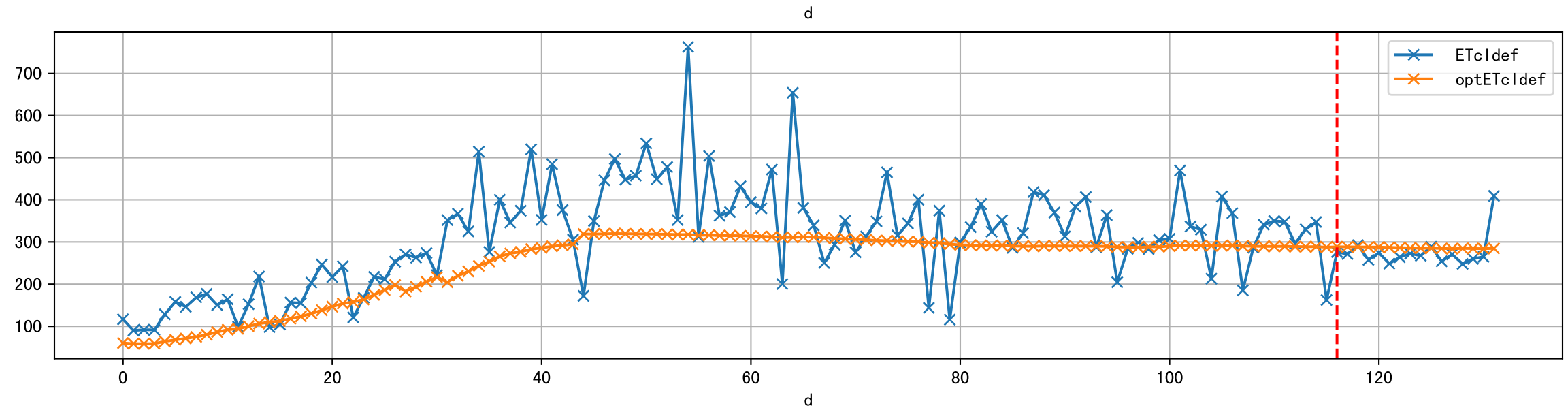
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo1', 'optETo1'], 'LAI', ['optEtRate', 'optEtRateDef', '

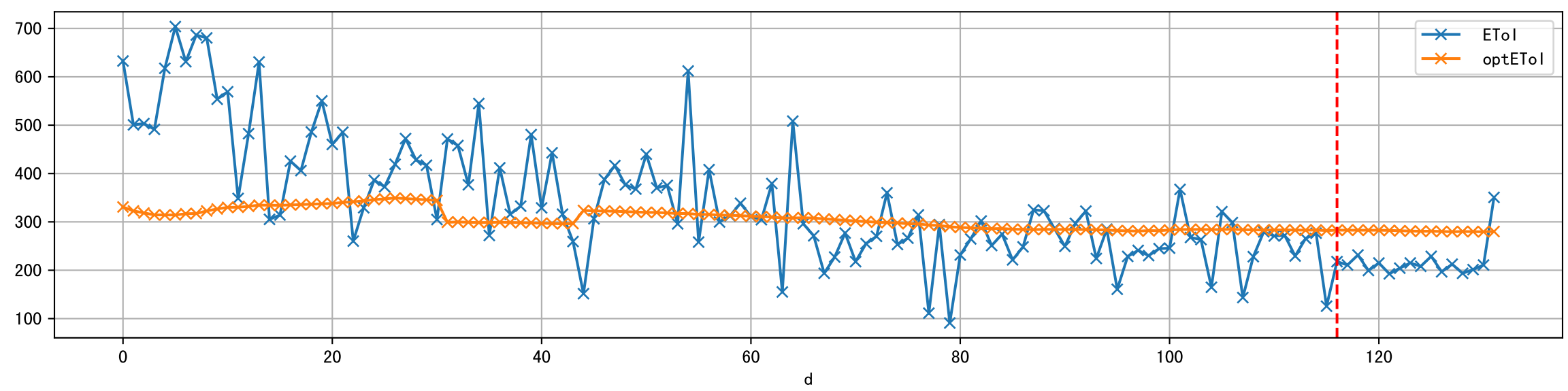


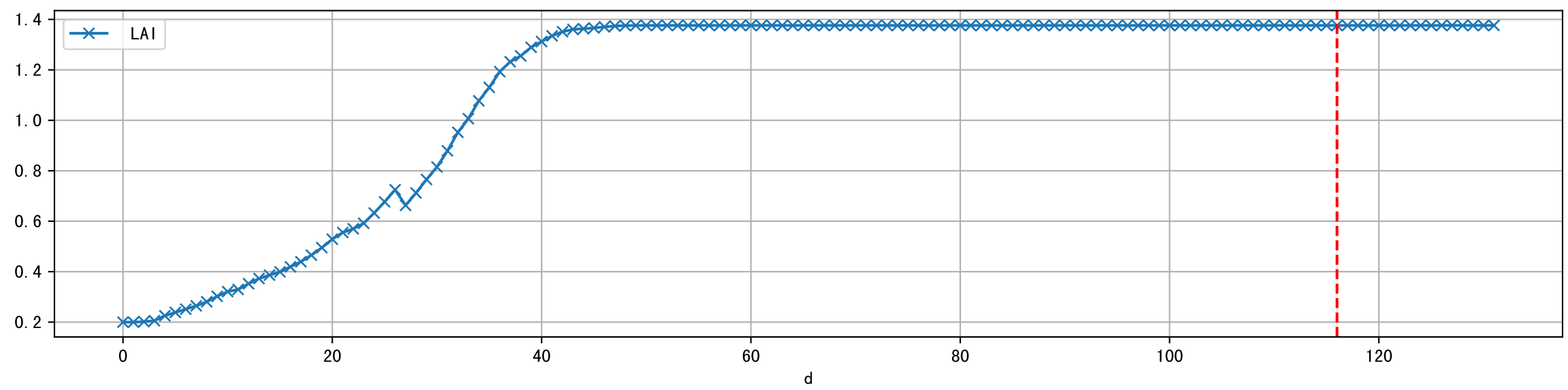


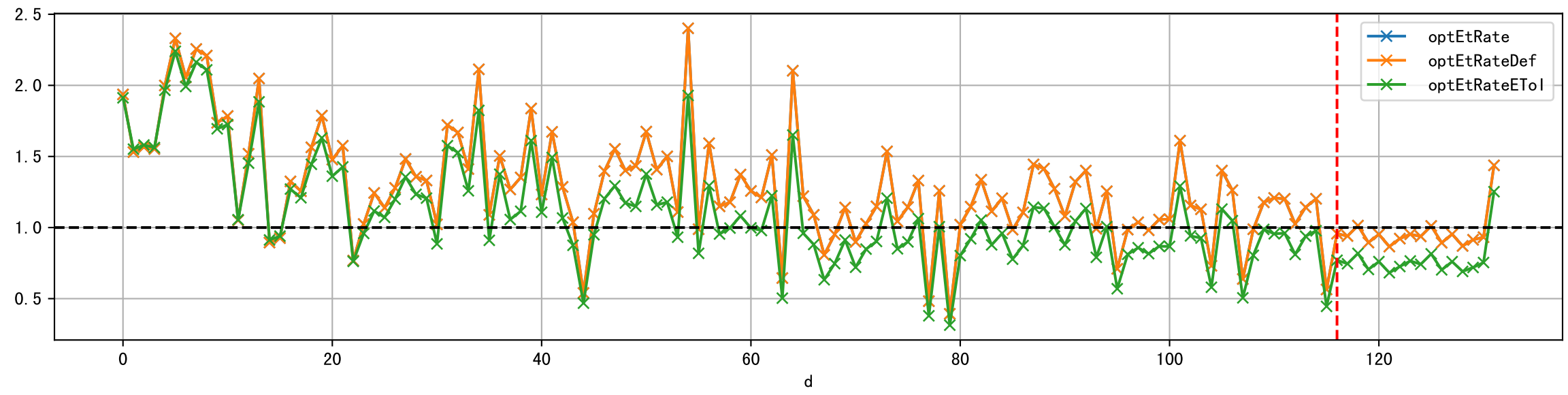


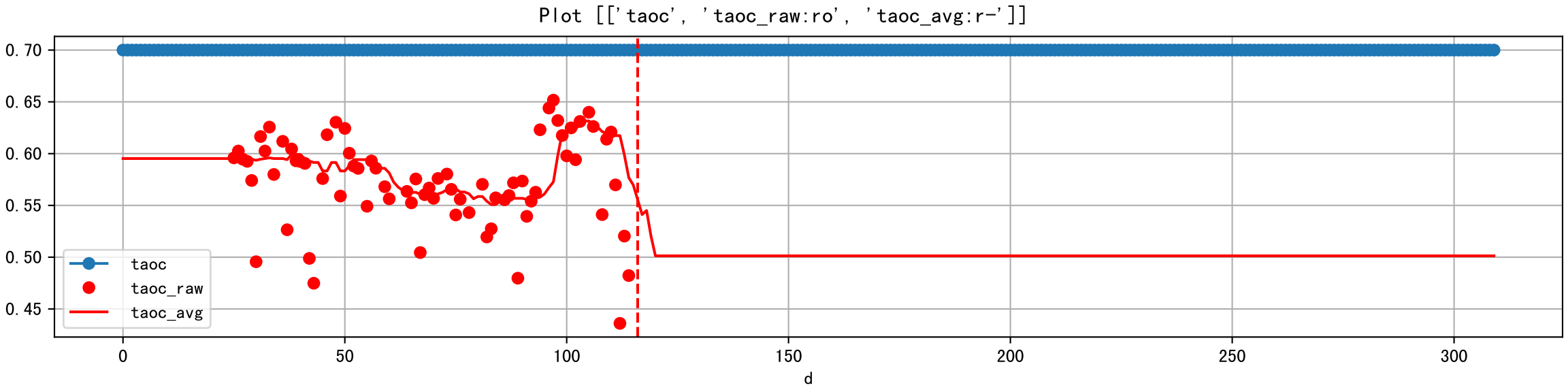


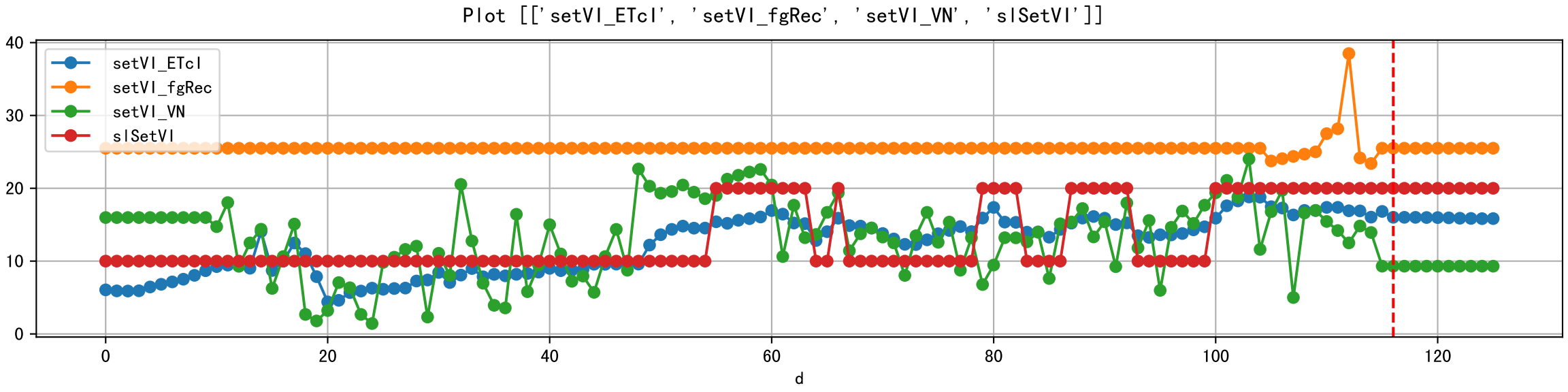


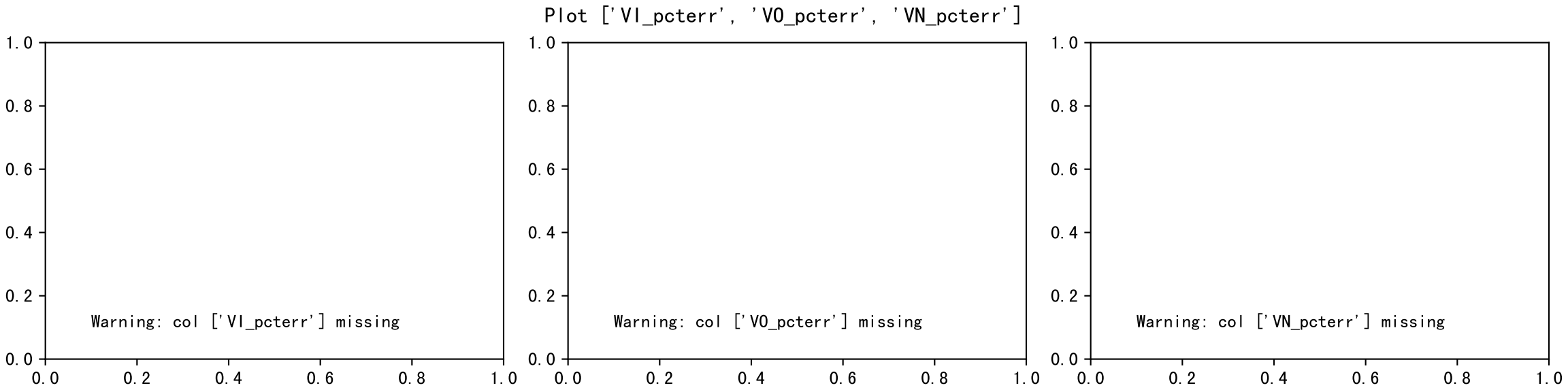


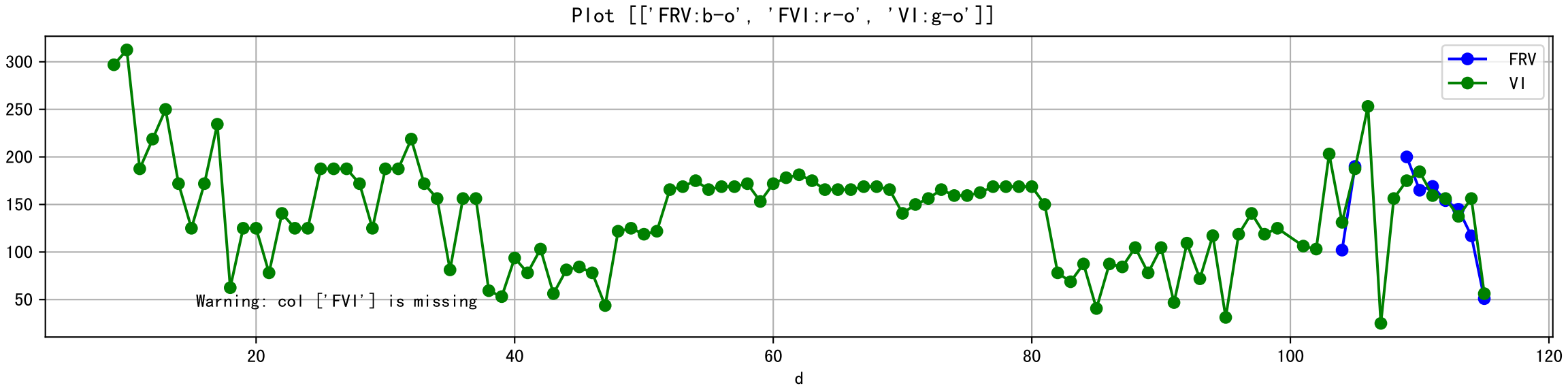


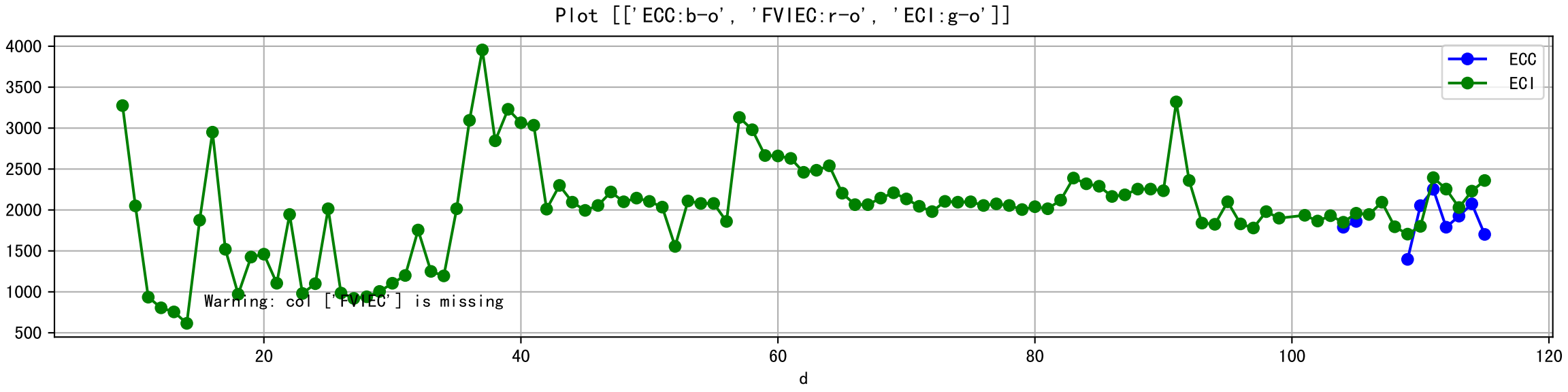


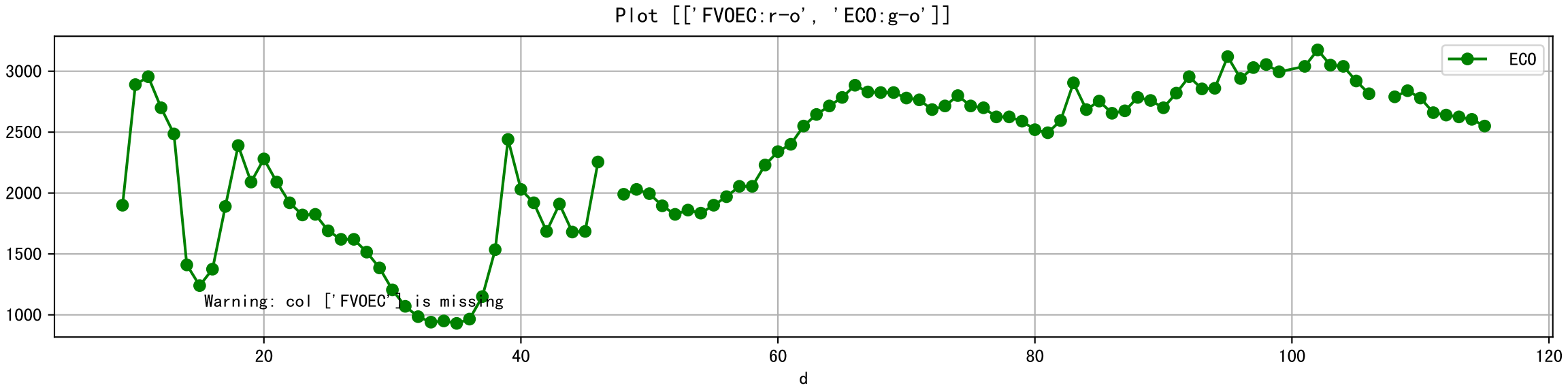

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
0.70
0.65
0.60
0.55
0.50
0.45
taoc
taoc_raw
taoc_avg
0
50
100
150
200
250
300
d

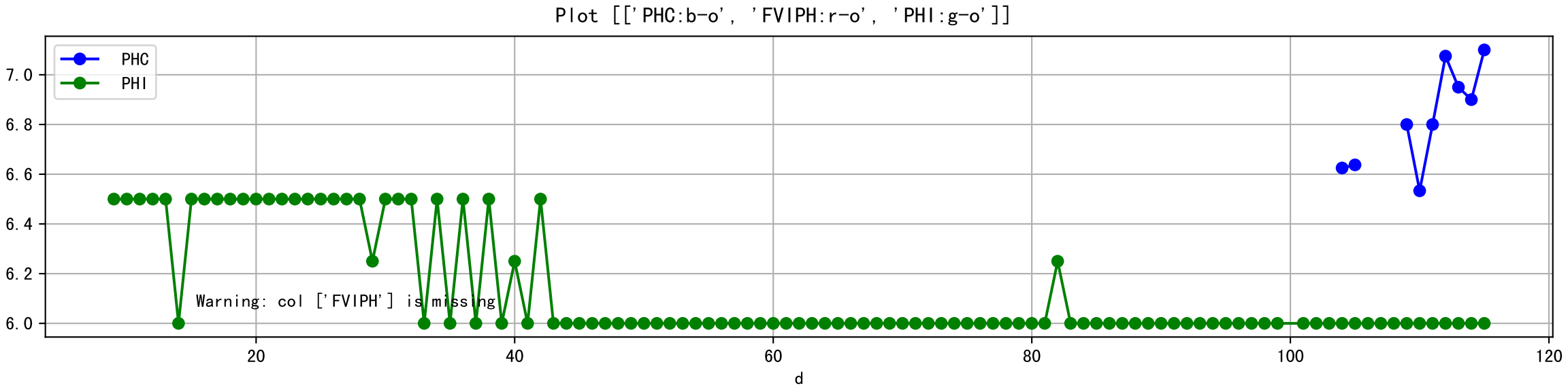

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
0
20
40
60
80
100
120
d

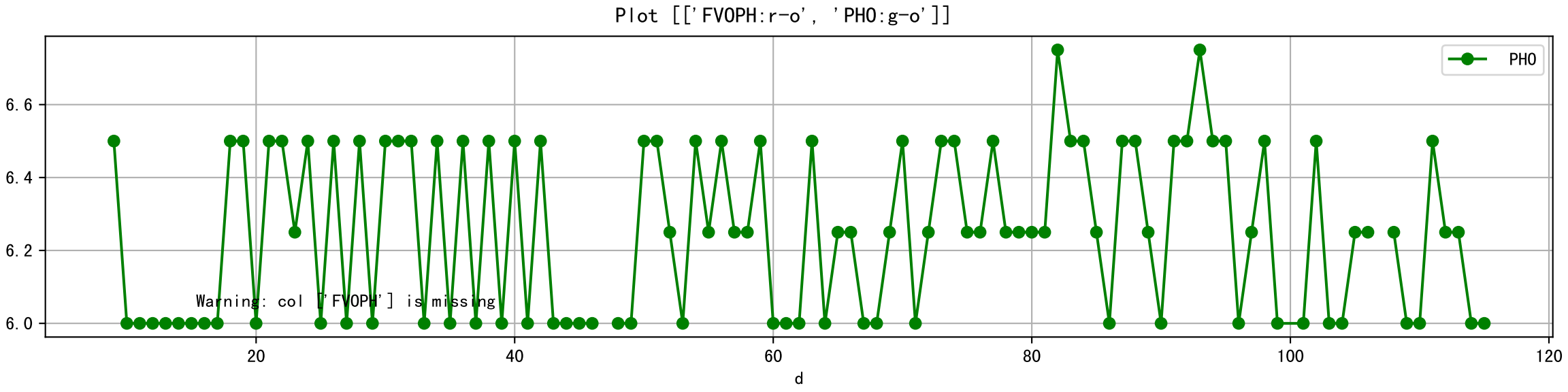

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

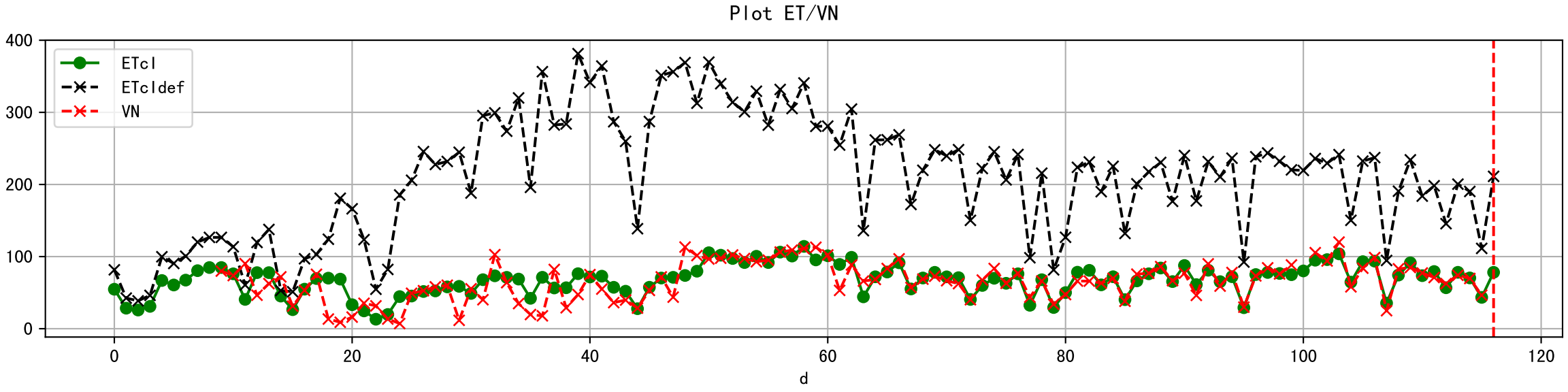

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
300
250
200
150
100
50
20
40
60
80
100
120
d


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

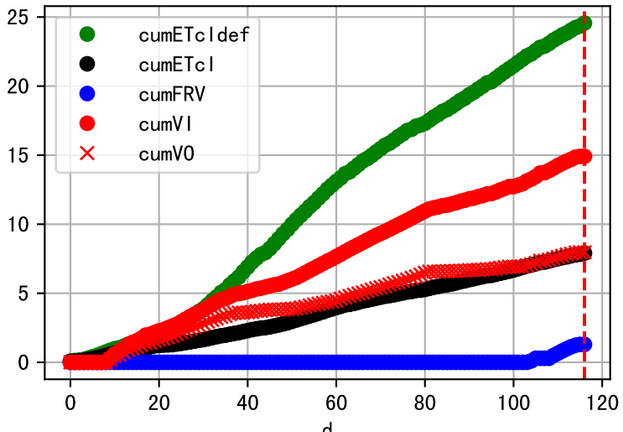

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
3000
2500
2000
1500
1000
20
40
60
80
100
120
d

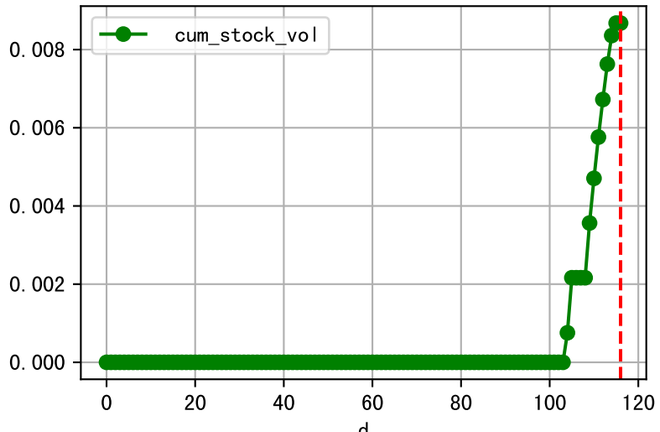

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.0
6.8
6.6
6.4
6.2
6.0
20
40
60
80
100
120
d

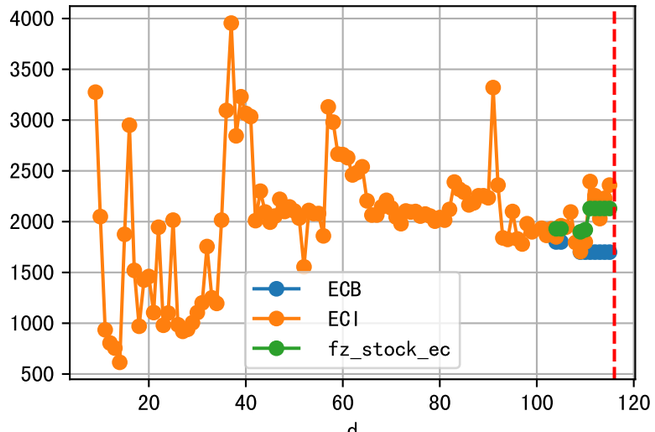

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
6.0
6.2
6.4
6.6
20
40
60
80
100
120
d

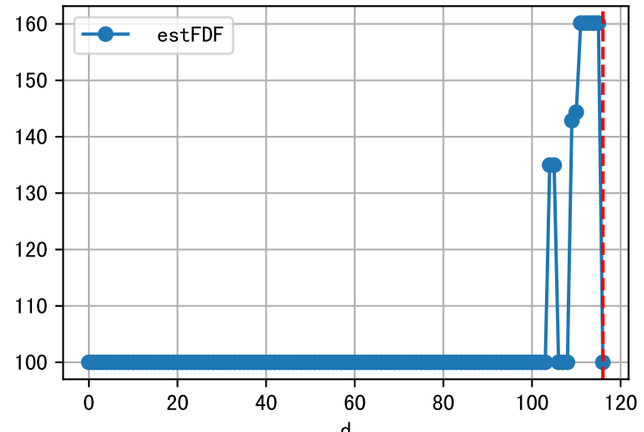

Plot ET/VN
ETcl
ETcldef
VN
400
300
200
100
0
0
20
40
60
80
100
120
d

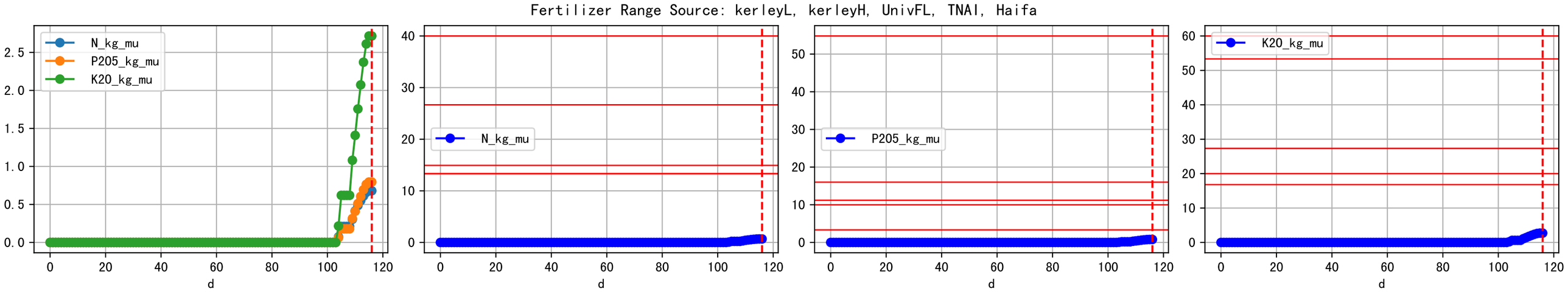
Plot Fv and fertilizer usage

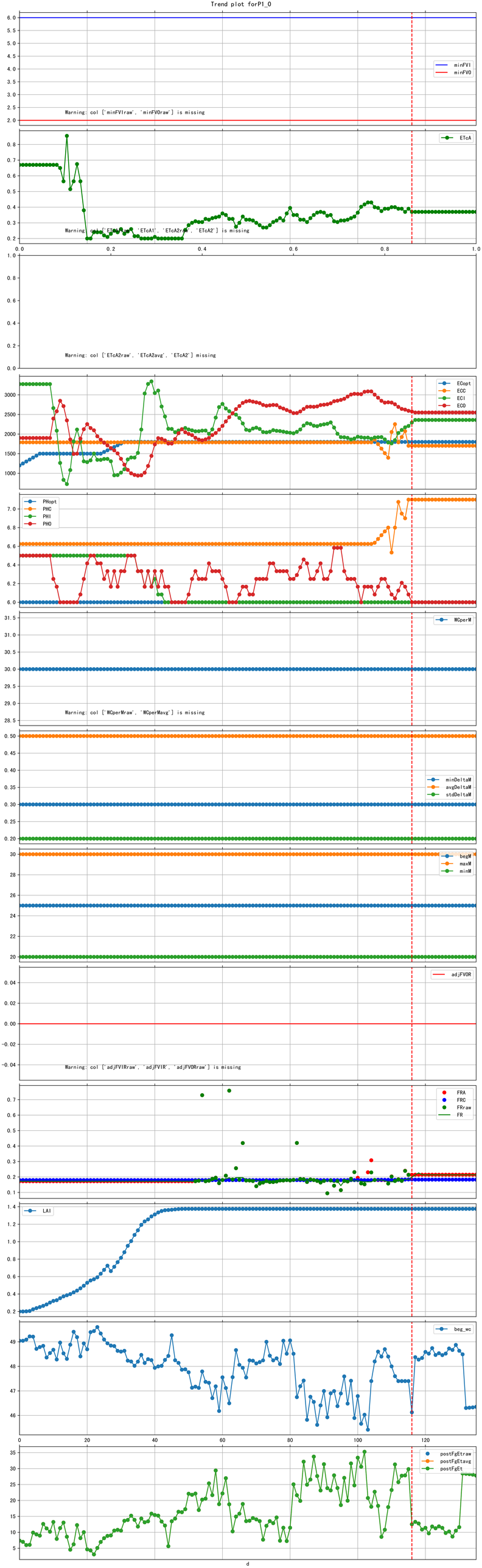


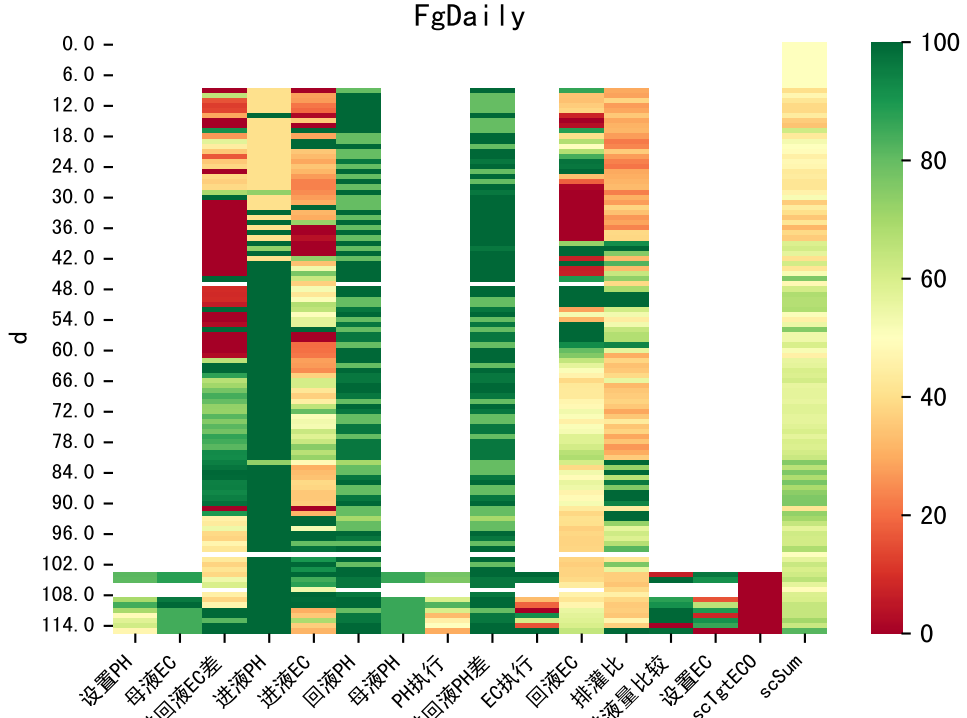




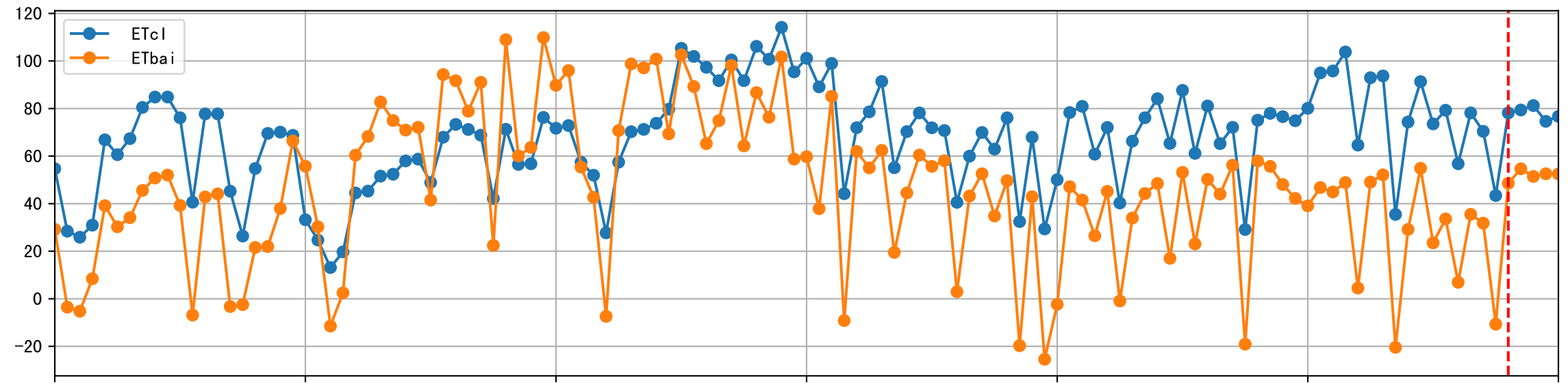


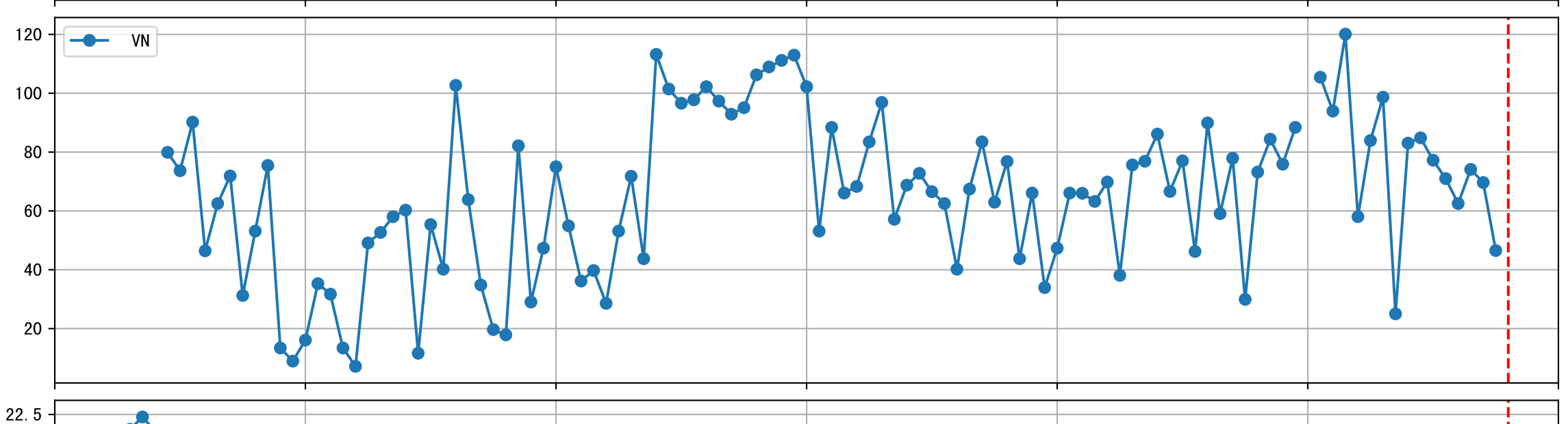

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

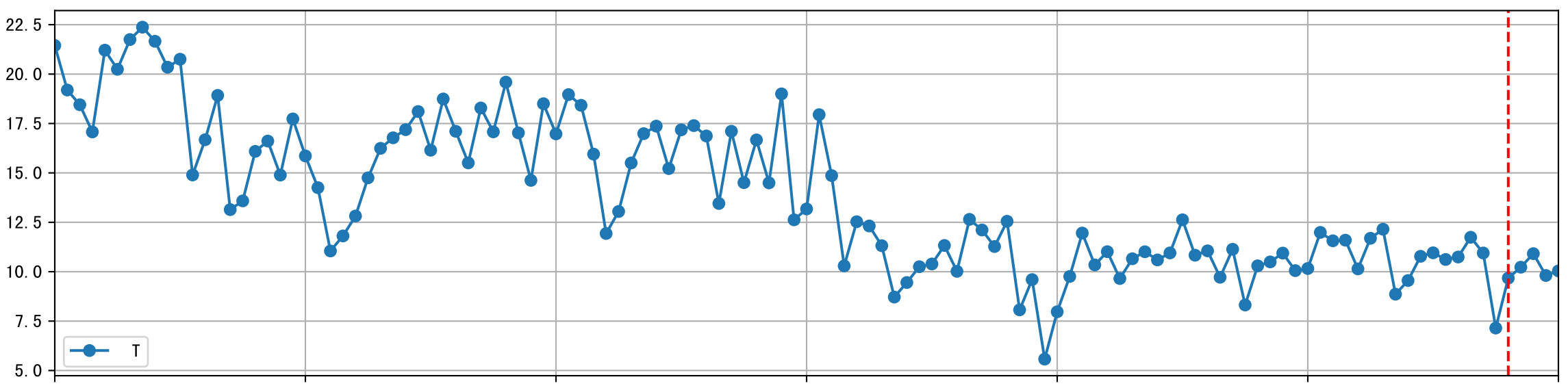

Trend plot forP1_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA2raw', 'ETcA1', 'ETcA2avg', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing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

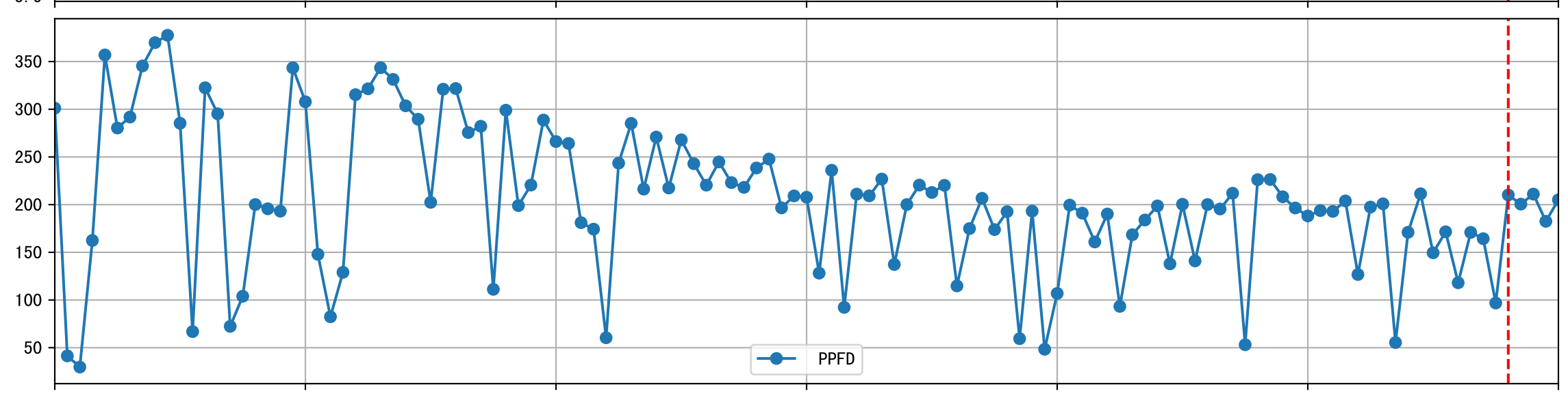

FgDaily
d
0.0
6.0
12.0
18.0
24.0
30.0
36.0
42.0
48.0
54.0
60.0
66.0
72.0
78.0
84.0
90.0
96.0
102.0
108.0
114.0
100
80
60
40
20
0
设置PH
母液EC
回液EC差
进液PH
进液EC
回液PH
母液PH
PH执行
回液PH差
EC执行
回液EC
排灌比
液量比较
设置EC
scTgtEC0
scSum

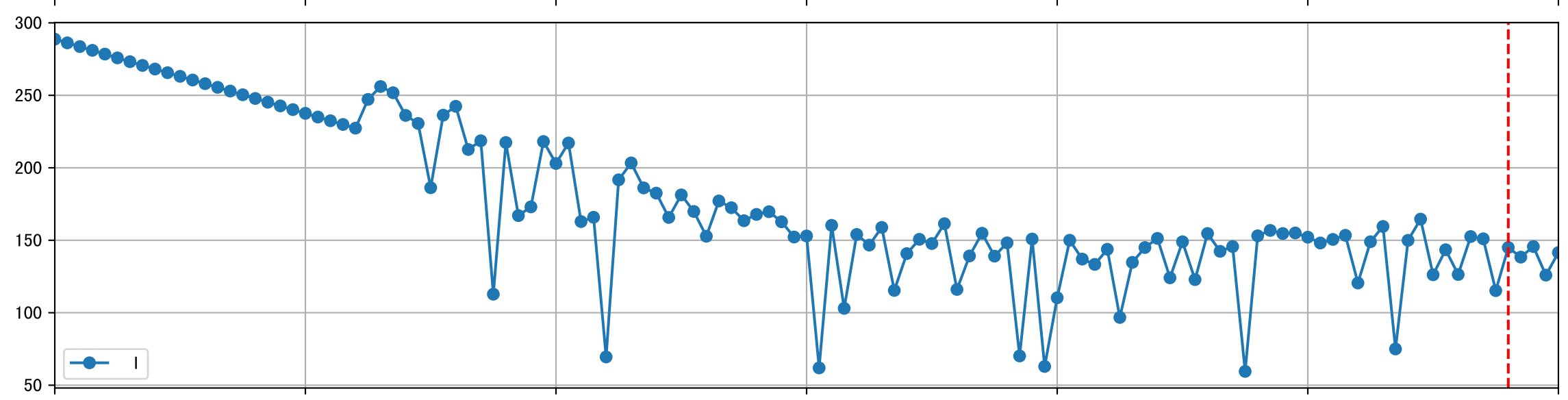
P1_0

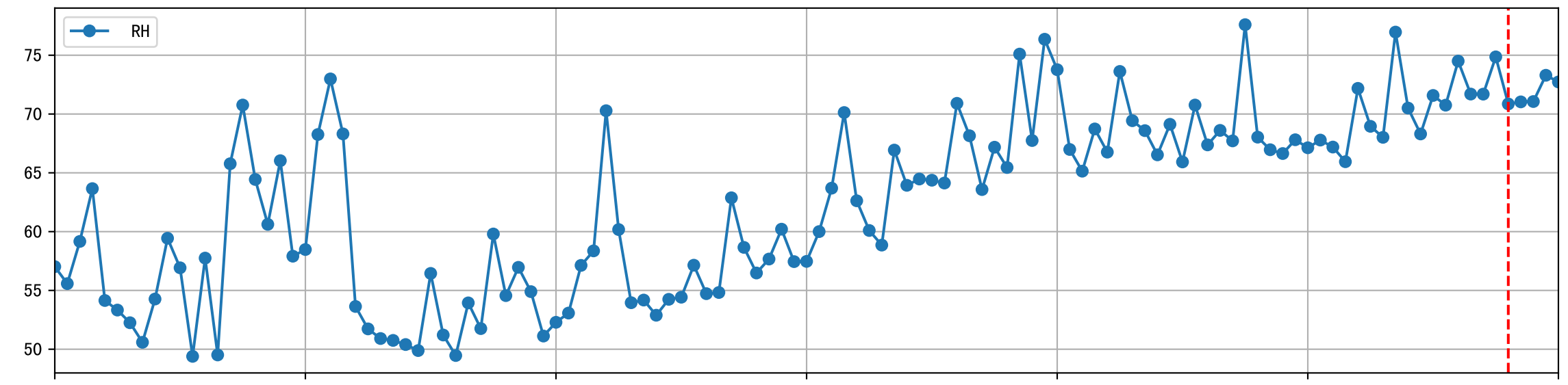


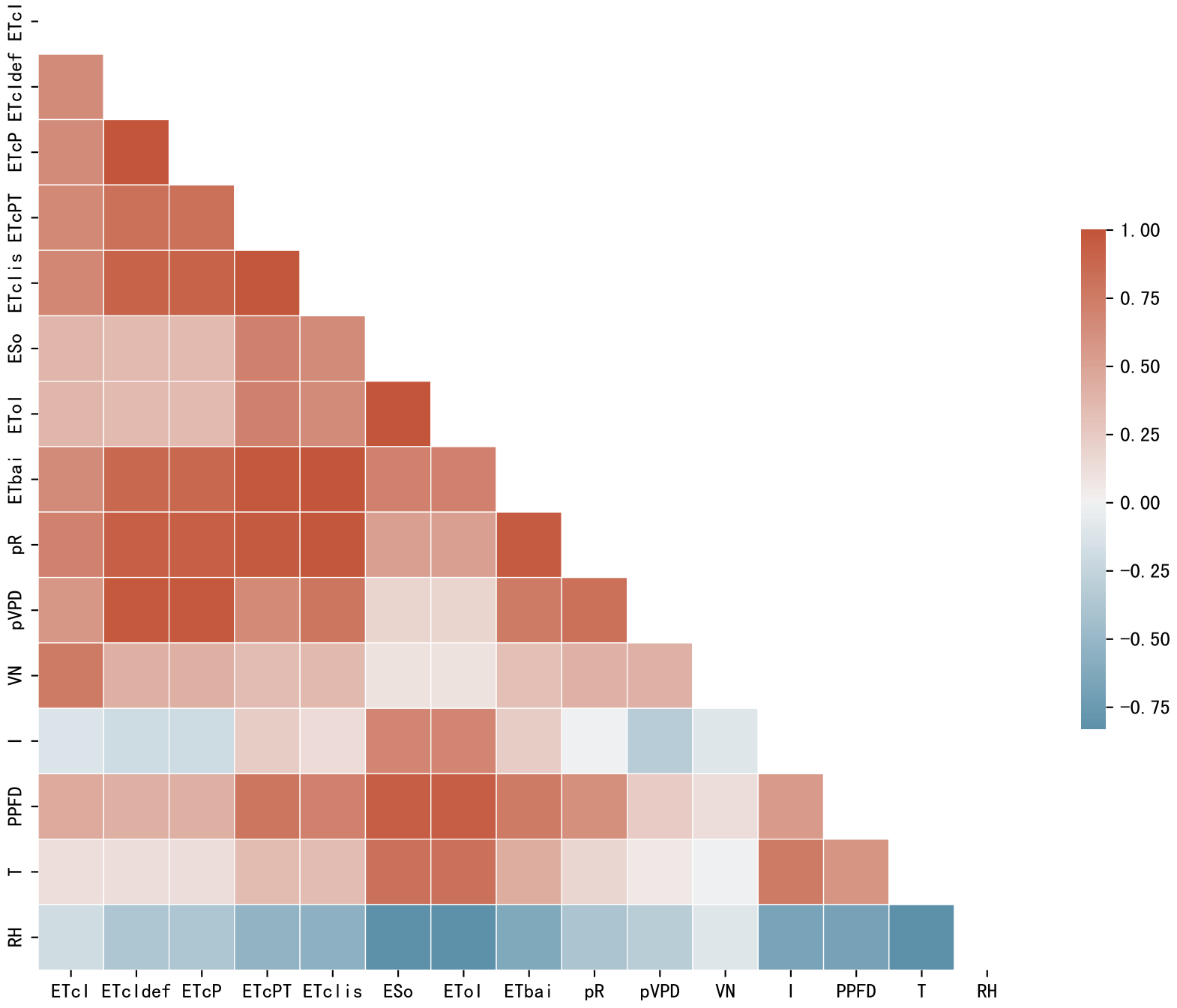


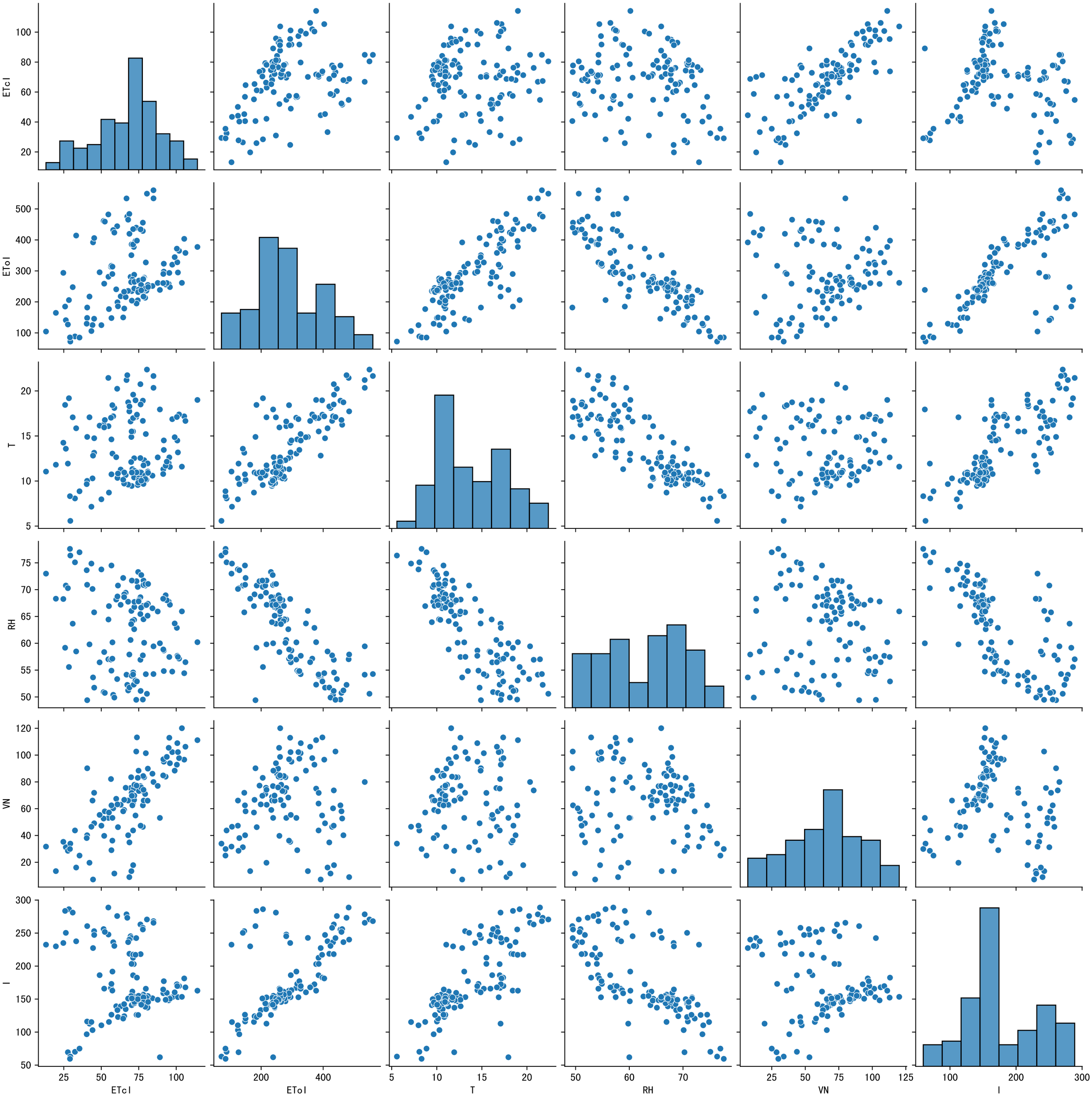


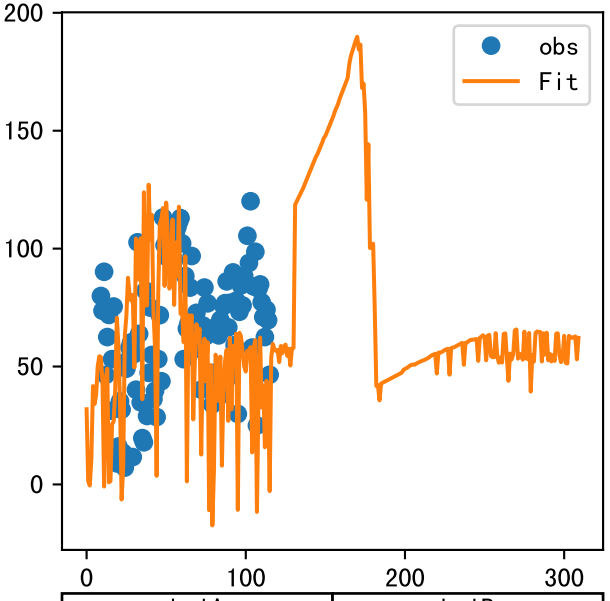


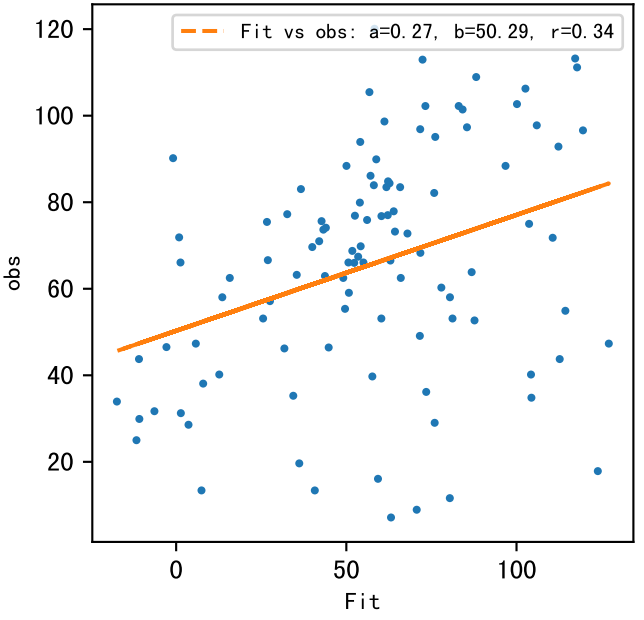




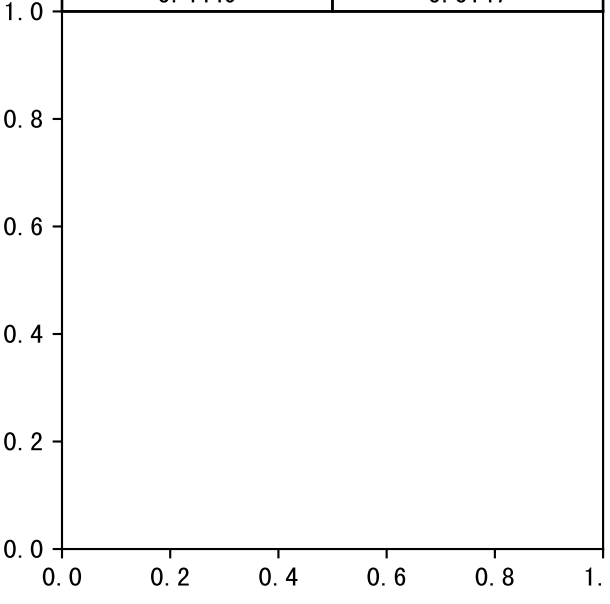

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

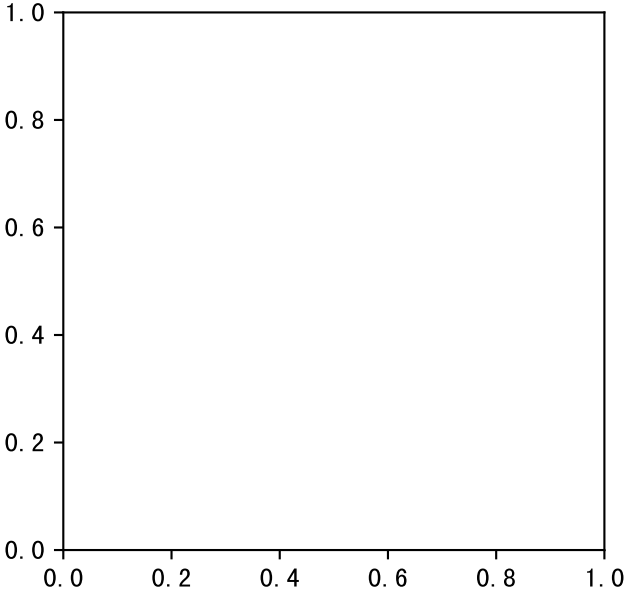

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

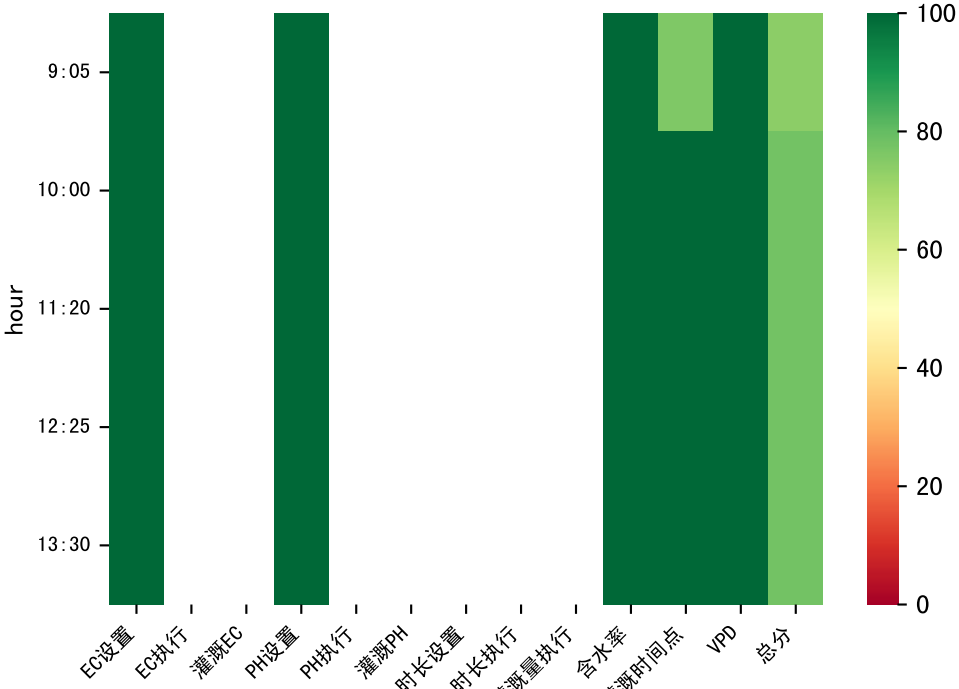




baiA	baiB
0.4449	0.0147

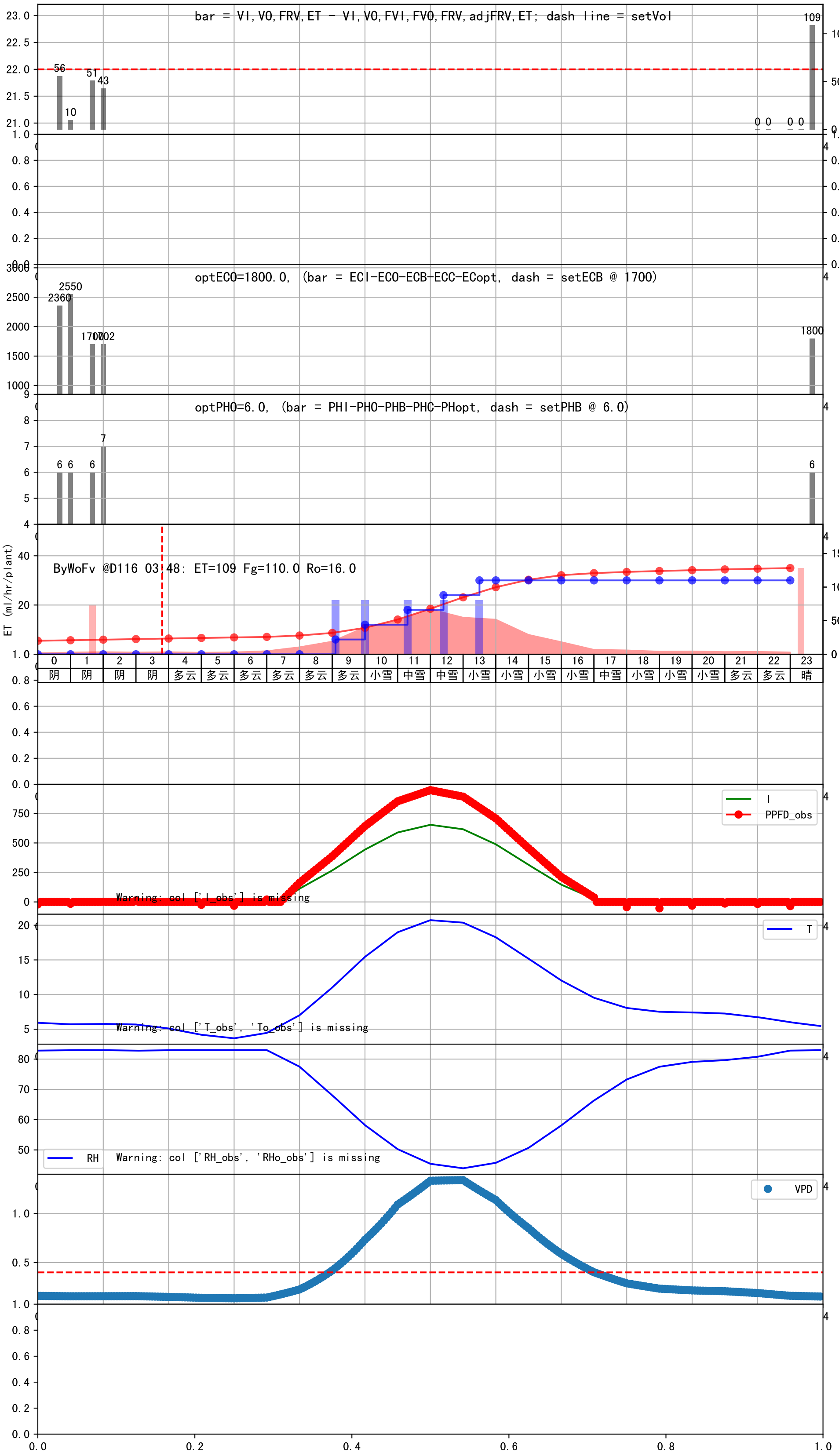


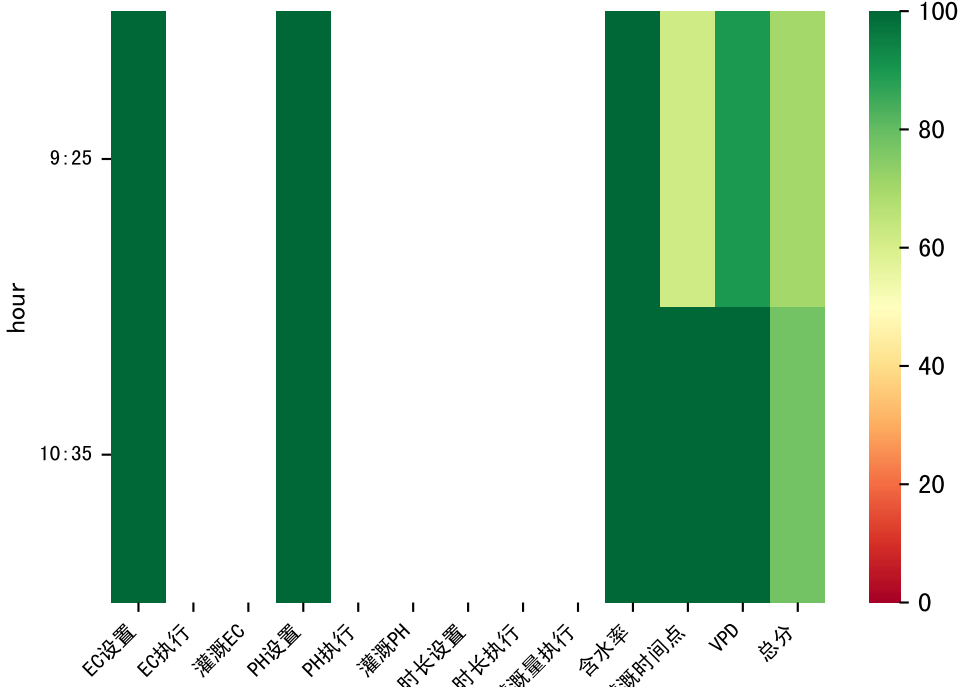



hour
9:05
10:00
11:20
12:25
13:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:05	110	22.0	0.485	多云	预期@09:05 自主（未用传感器）
10:00	110	22.0	0.485	小雪	预期@10:00 自主（未用传感器）
11:20	110	22.0	0.485	中雪	预期@11:20 自主（未用传感器）
12:25	110	22.0	0.485	中雪	预期@12:25 自主（未用传感器）
13:30	110	22.0	0.485	小雪	预期@13:30 自主（未用传感器）
总计	550.0 (5次)	110.0			建议进液EC：1700， PH：6.0

P1_0, Day=116 (2026-01-18)

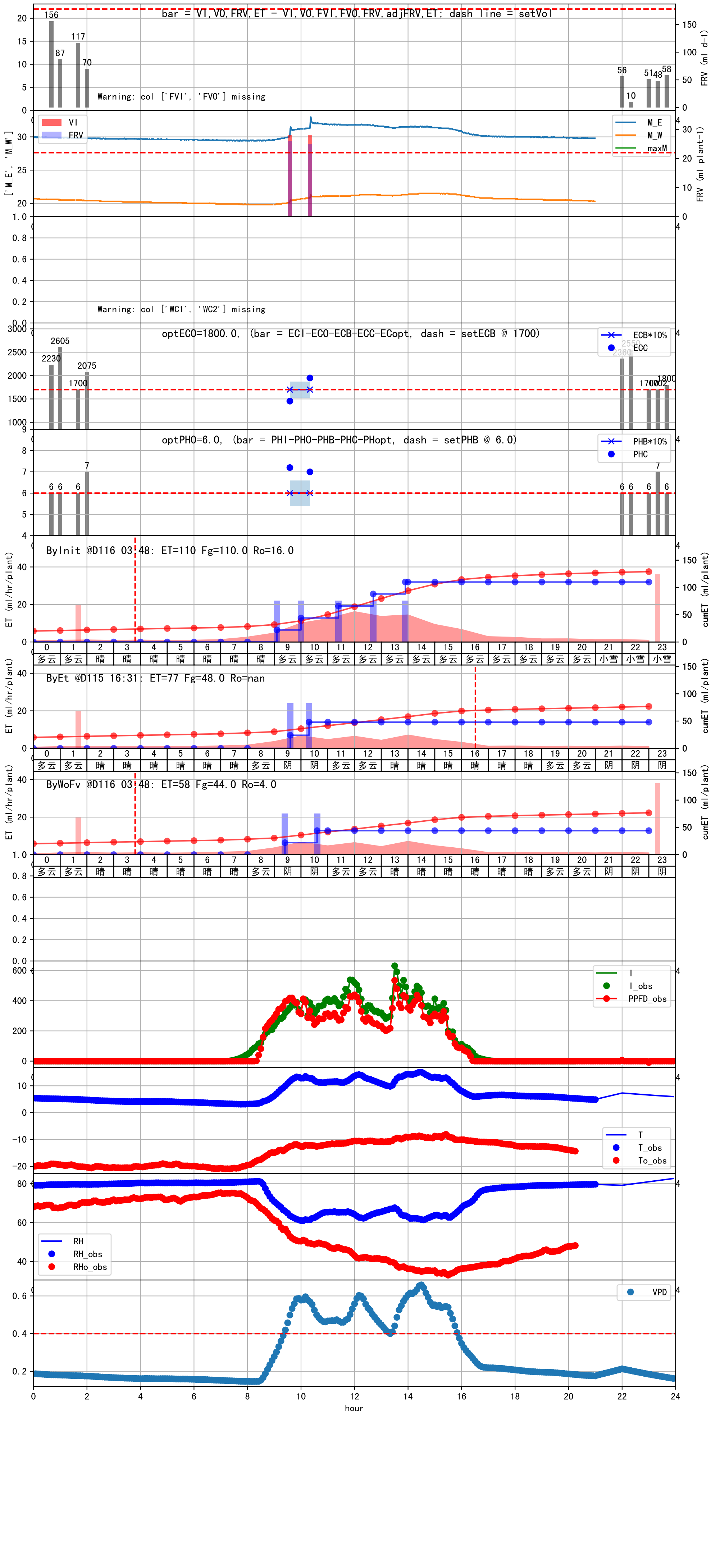


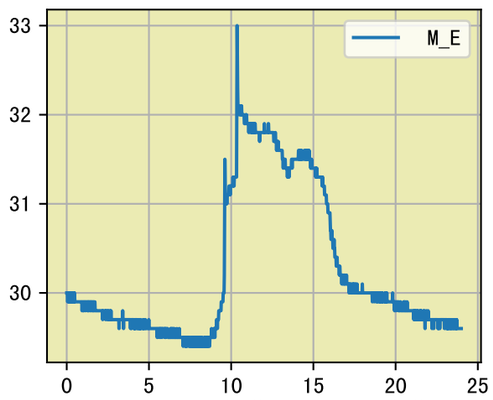

hour
9:25
10:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

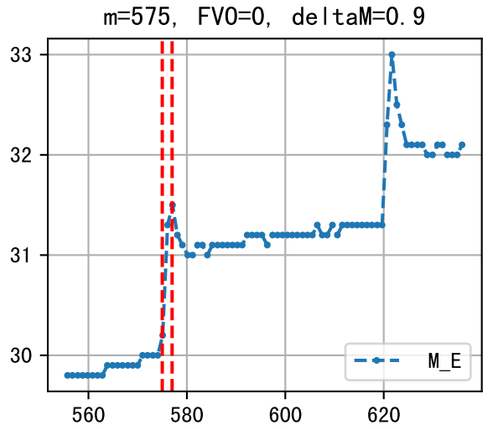
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	132	22.0	0.485	阴	假设@09:25 自动（未用传感器）
10:35	132	22.0	0.485	阴	假设@10:35 自动（未用传感器）
总计	264.0 (2次)	44.0			建议进液EC：1700， PH：6.0

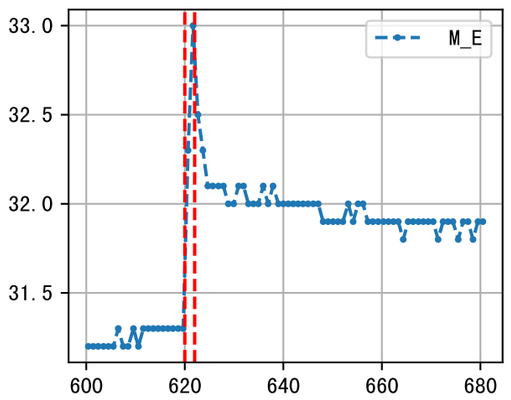
滴头平均流速偏小（0.18），请检查
默认实际灌溉24.0 ml.
large discrepency for begining water status (28:3.0), set to 28 ml.

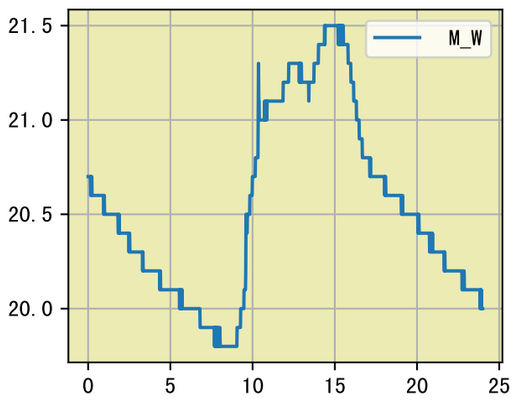
P1_0, Day=115 (2026-01-17)

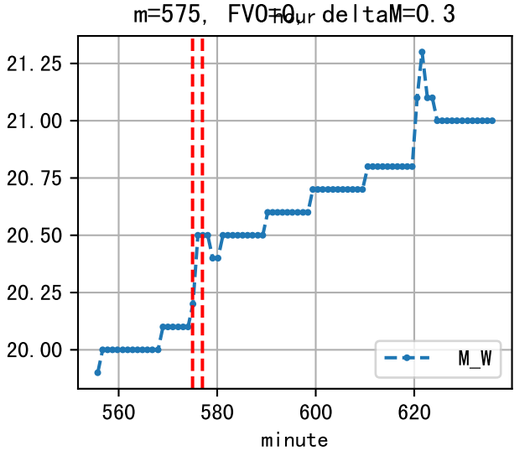


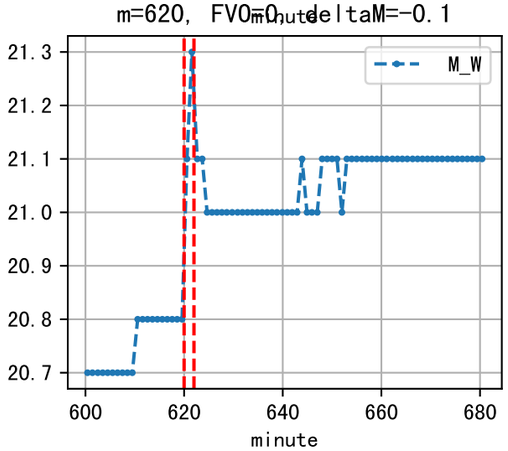

M_E

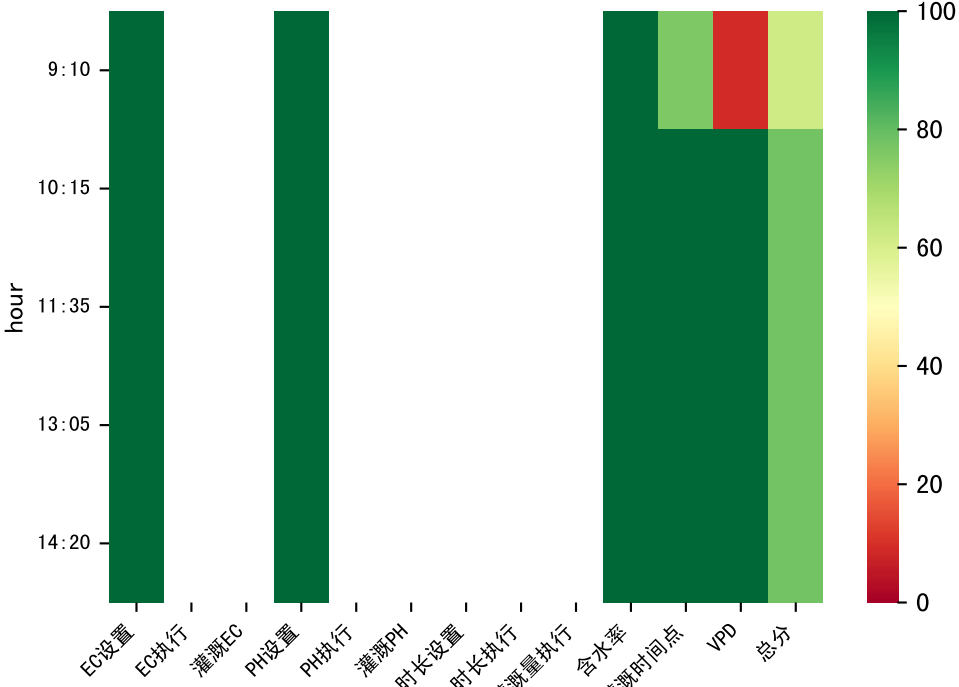

m=575, FVO=0, deltaM=0.9
M_E


m=620, FVO=0, deltaM=-0.2
M_E
minute


M_W
hour


m=575, FVO=0, deltaM=0.3
M_W
minute

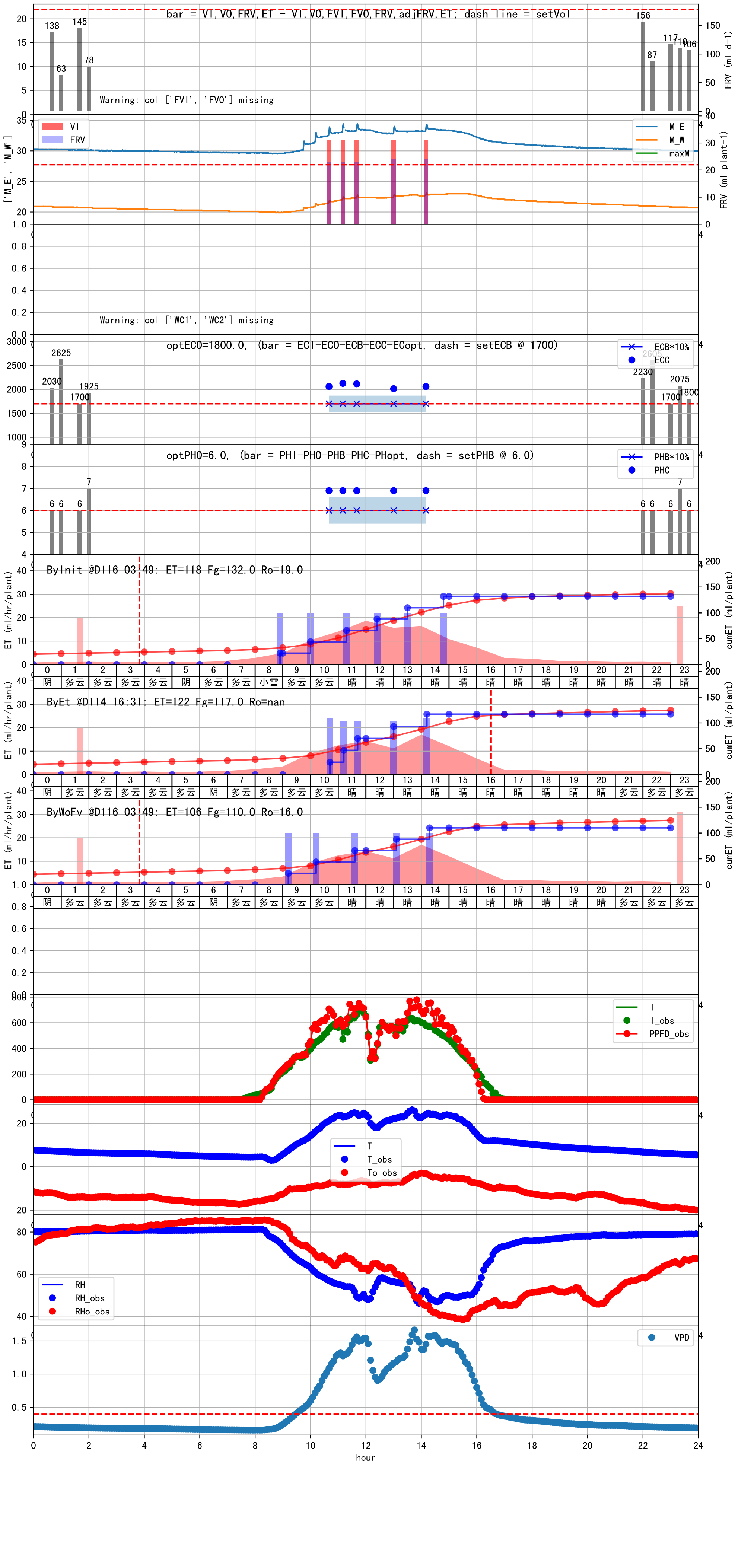

m=620, FVO=0, deltaM=-0.1
M_W
minute

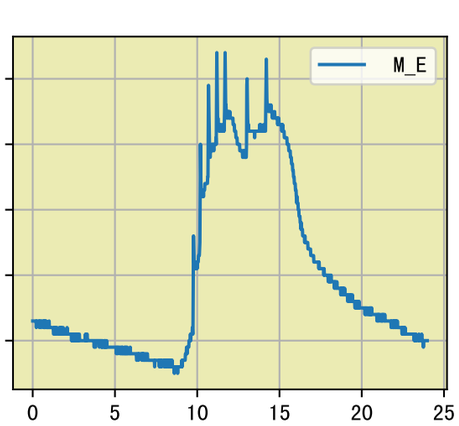

hour
9:10
10:15
11:35
13:05
14:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

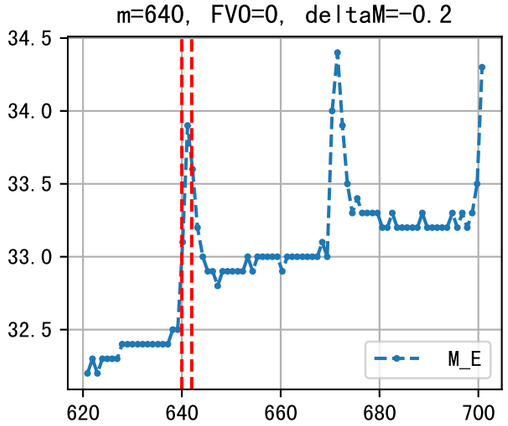
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:10	131	22.0	0.485	多云	假设@09:10 自动（未用传感器）
10:15	131	22.0	0.485	多云	假设@10:15 自动（未用传感器）
11:35	131	22.0	0.485	晴	假设@11:35 自动（未用传感器）
13:05	131	22.0	0.485	晴	假设@13:05 自动（未用传感器）
14:20	131	22.0	0.485	晴	假设@14:20 自动（未用传感器）
总计	655.0 (5次)	110.0			建议进液EC：1700， PH：6.0

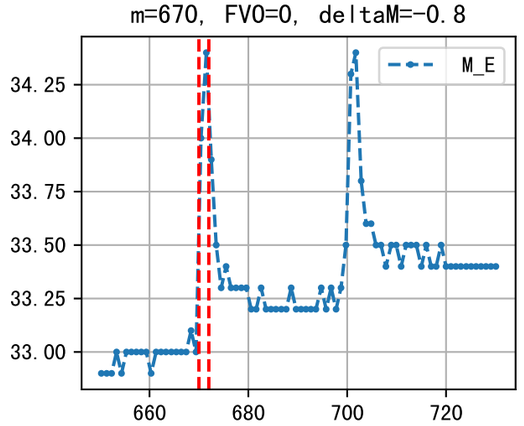
滴头平均流速偏小（0.18），请检查
默认实际灌溉22.0 ml.

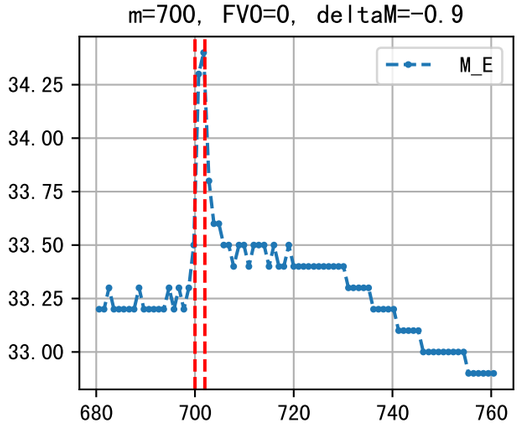
P1_0, Day=114 (2026-01-16)

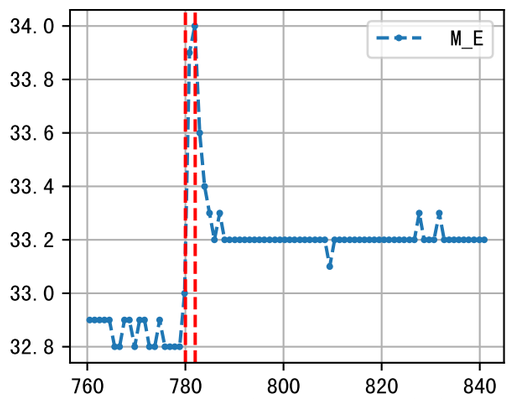


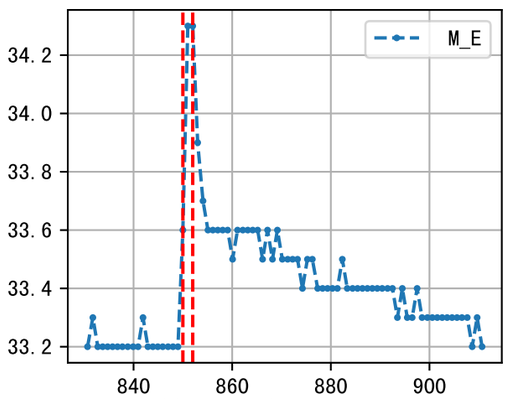

M_E

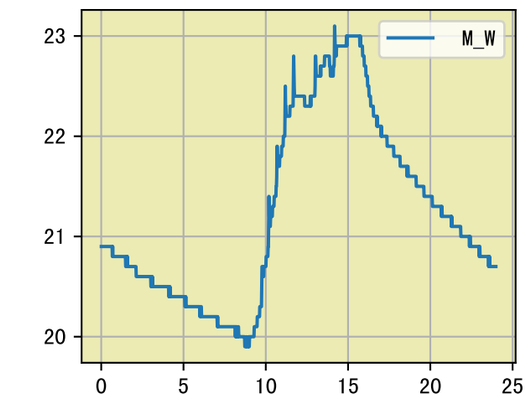

m=640, FV0=0, deltaM=-0.2
M_E

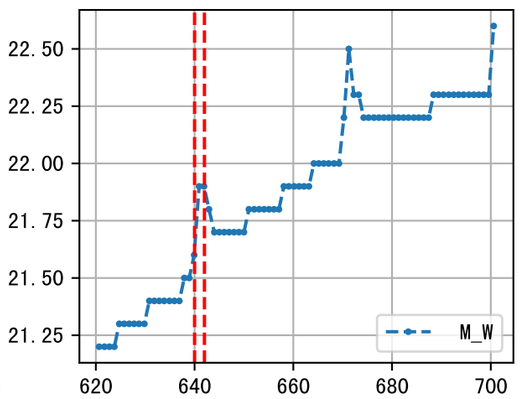

m=670, FV0=0, deltaM=-0.8
M_E
minute

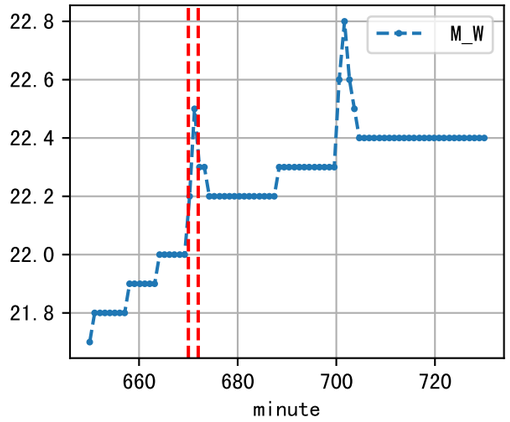

m=700, FV0=0, deltaM=-0.9
M_E

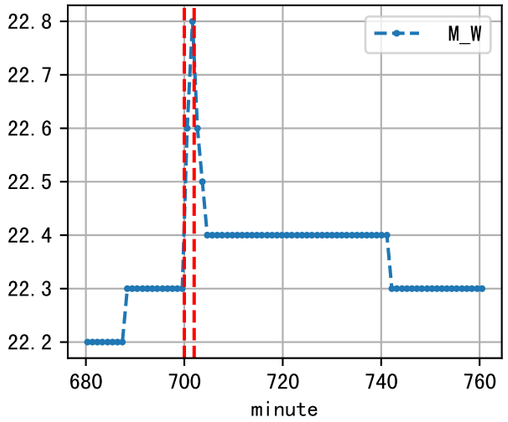

m=780, FV0=0, deltaM=-0.7
M_E
minute

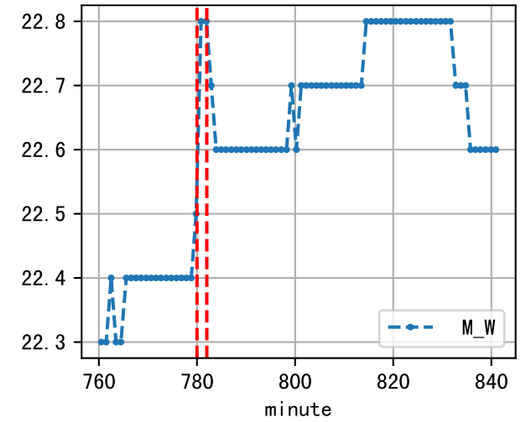

m=850, FV0=0, deltaM=-0.1
M_E
minute

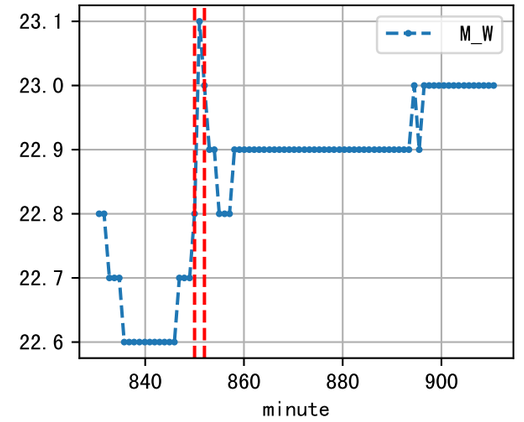

M_W

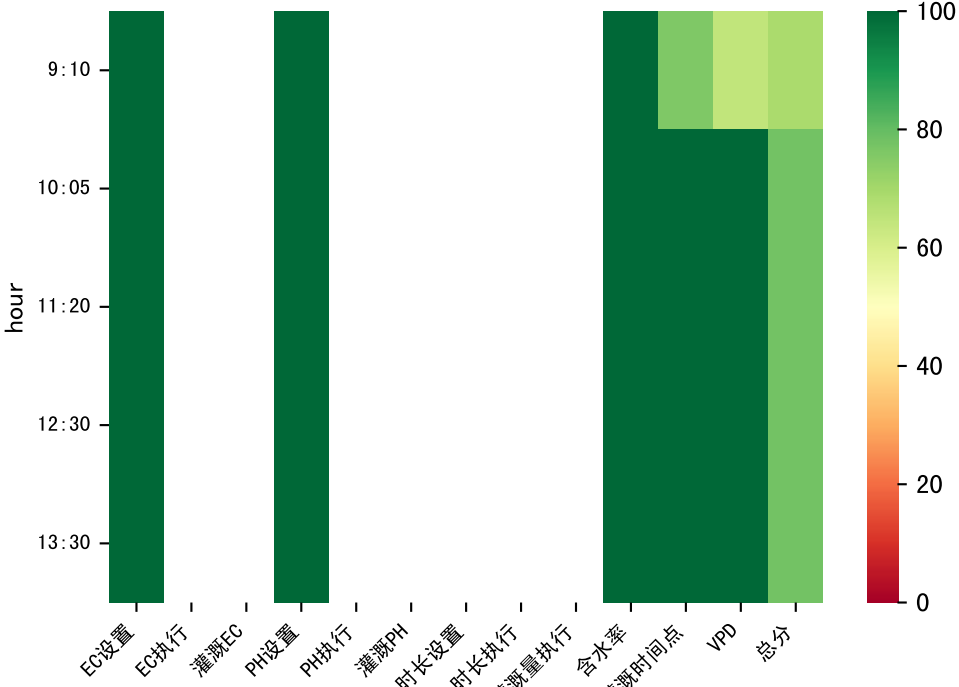

m=640, FV0=0, deltaM=-0.2
M_W
minute


m=670, FV0=0, deltaM=0.0
M_W
minute


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


m=780, FV0=0, deltaM=-0.2
M_W
minute

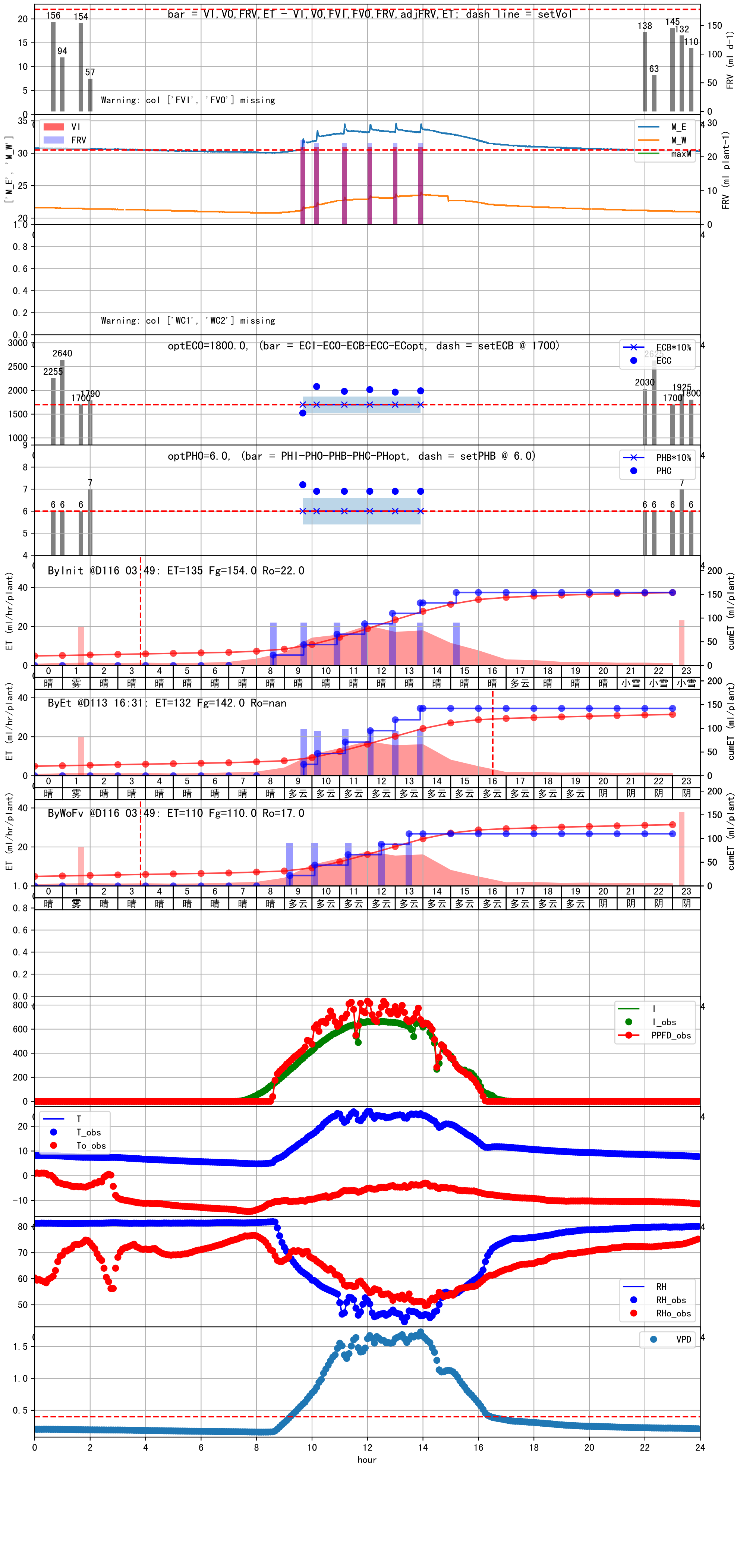

m=850, FV0=0, deltaM=0.1
M_W
minute

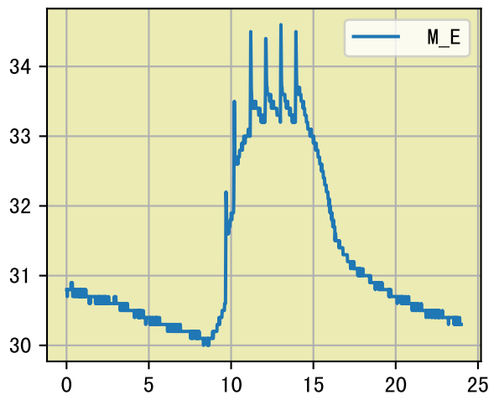

hour
9:10
10:05
11:20
12:30
13:30
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

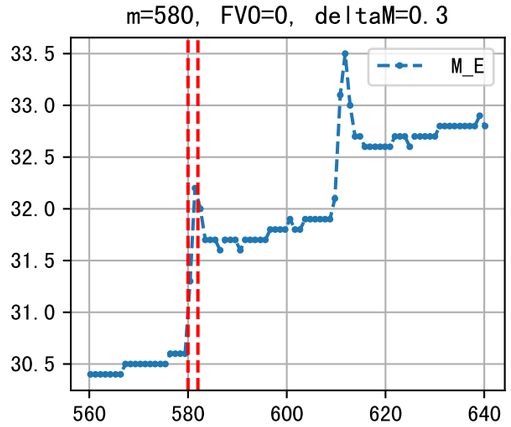
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:10	132	22.0	0.485	多云	假设@09:10 自动（未用传感器）
10:05	132	22.0	0.485	多云	假设@10:05 自动（未用传感器）
11:20	132	22.0	0.485	多云	假设@11:20 自动（未用传感器）
12:30	132	22.0	0.485	多云	假设@12:30 自动（未用传感器）
13:30	132	22.0	0.485	多云	假设@13:30 自动（未用传感器）
总计	660.0 (5次)	110.0			建议进液EC：1700， PH：6.0

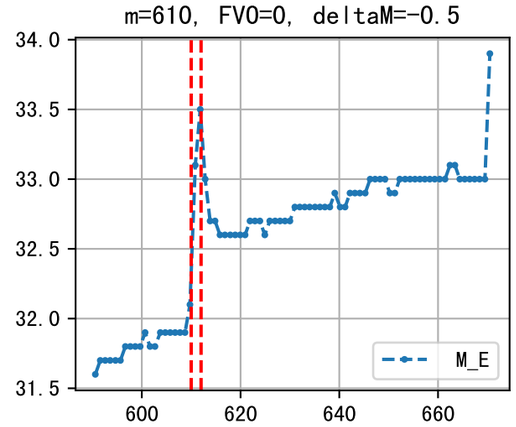
滴头平均流速偏小（0.18），请检查
默认实际灌溉22.0 ml.

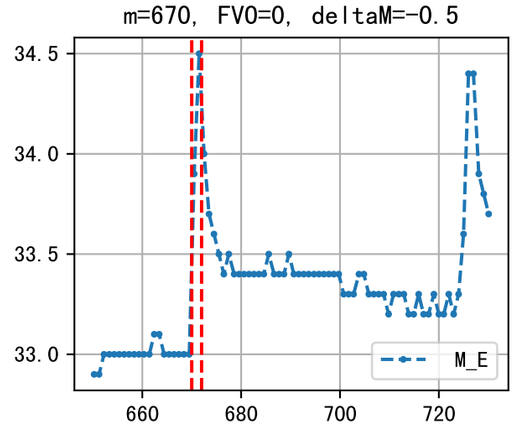
P1_0, Day=113 (2026-01-15)

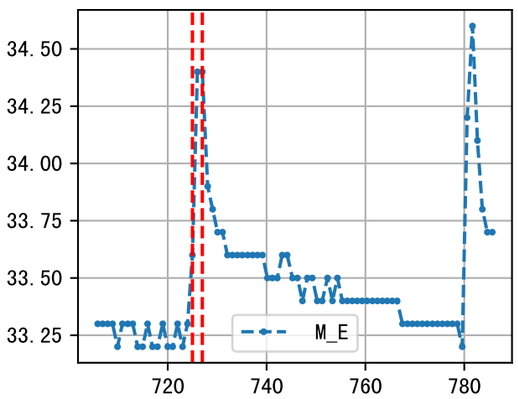


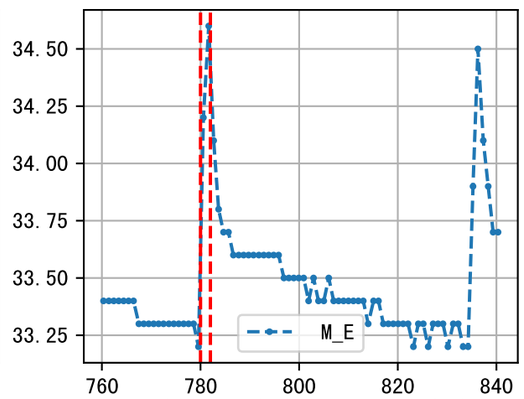

M_E

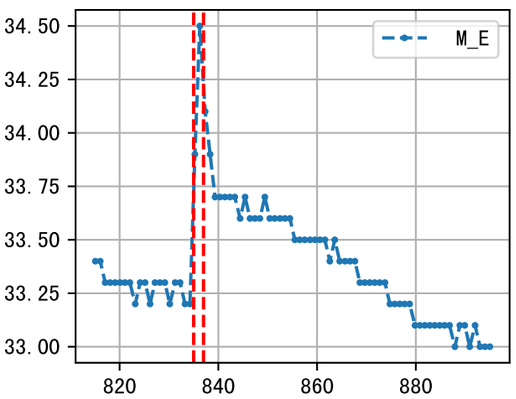

m=580, FV0=0, deltaM=0.3
M_E

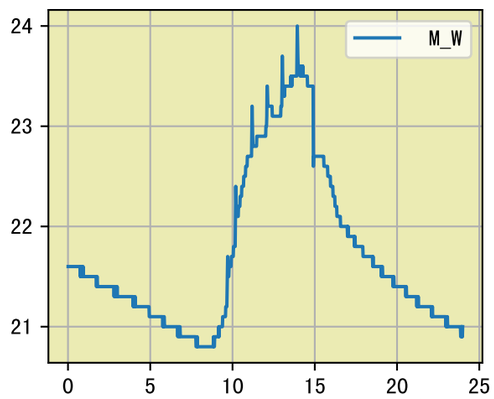

m=610, FV0=0, deltaM=-0.5
M_E

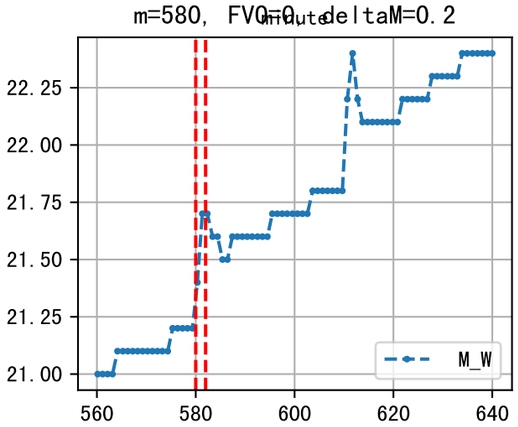

m=670, FV0=0, deltaM=-0.5
M_E
minute

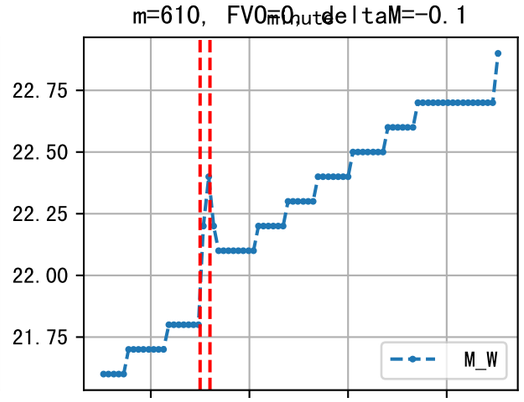

m=725, FV0=0, deltaM=0.0
M_E
minute

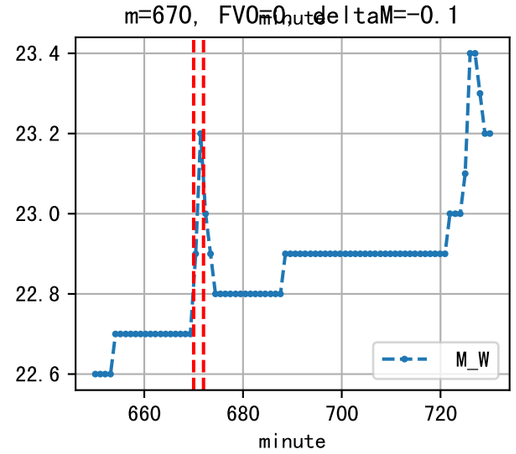

m=780, FV0=0, deltaM=-0.6
M_E
minute

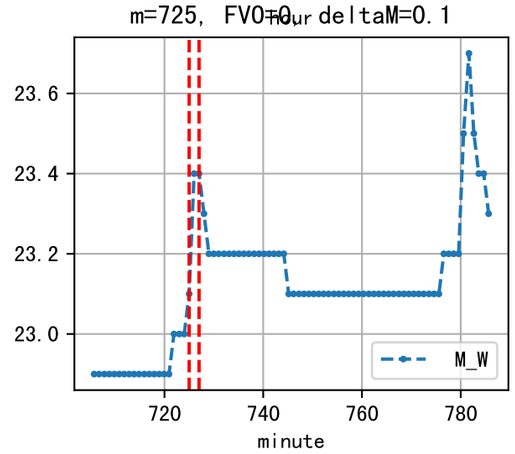

m=835, FV0=0, deltaM=-0.2
M_E
minute

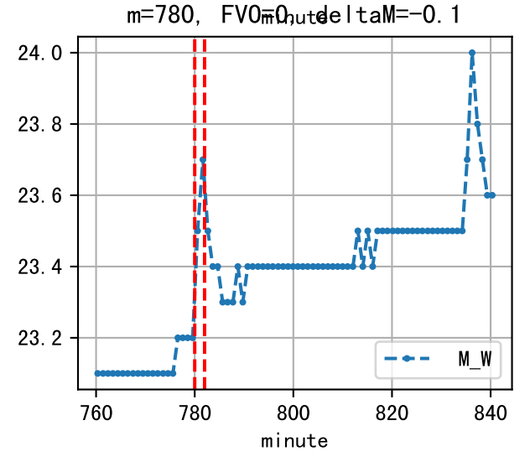

M_W

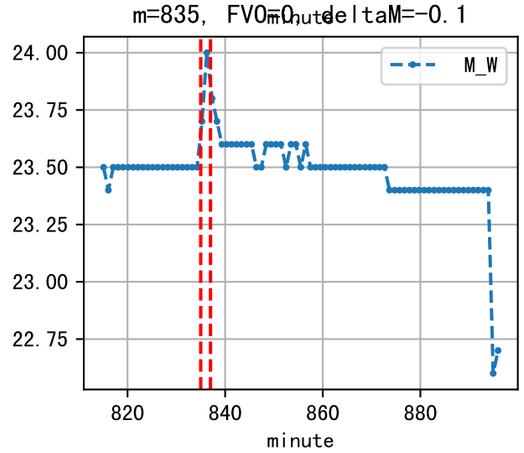

m=580, FV0=0, deltaM=0.2
M_W
minute

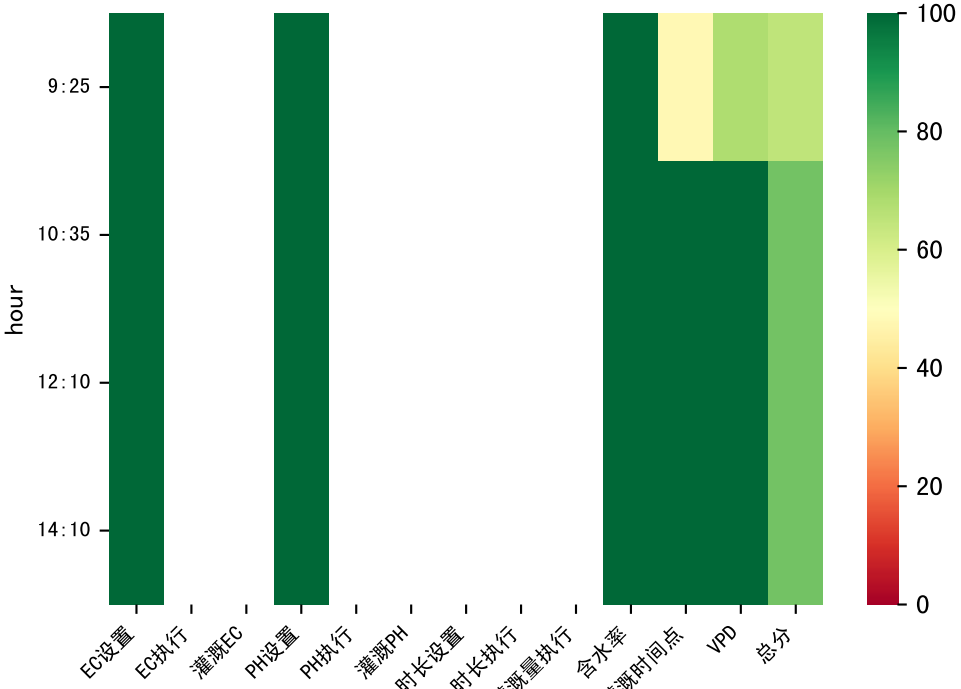

m=610, FV0=0, deltaM=-0.1
M_W


m=670, FV0=0, deltaM=-0.1
M_W
minute


m=725, FV0=0, deltaM=0.1
M_W
minute


m=780, FV0=0, deltaM=-0.1
M_W
minute

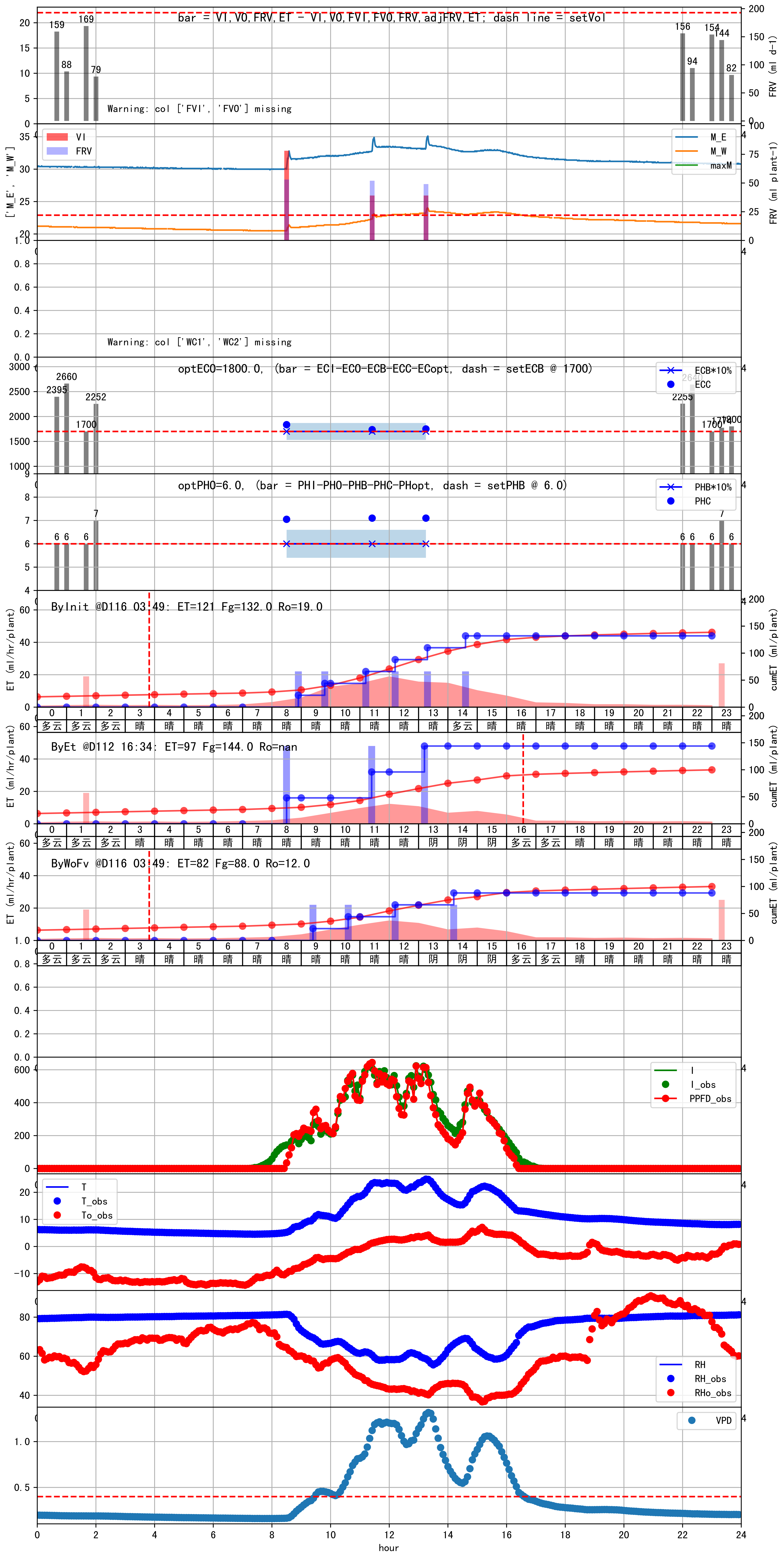

m=835, FV0=0, deltaM=-0.1
M_W
minute

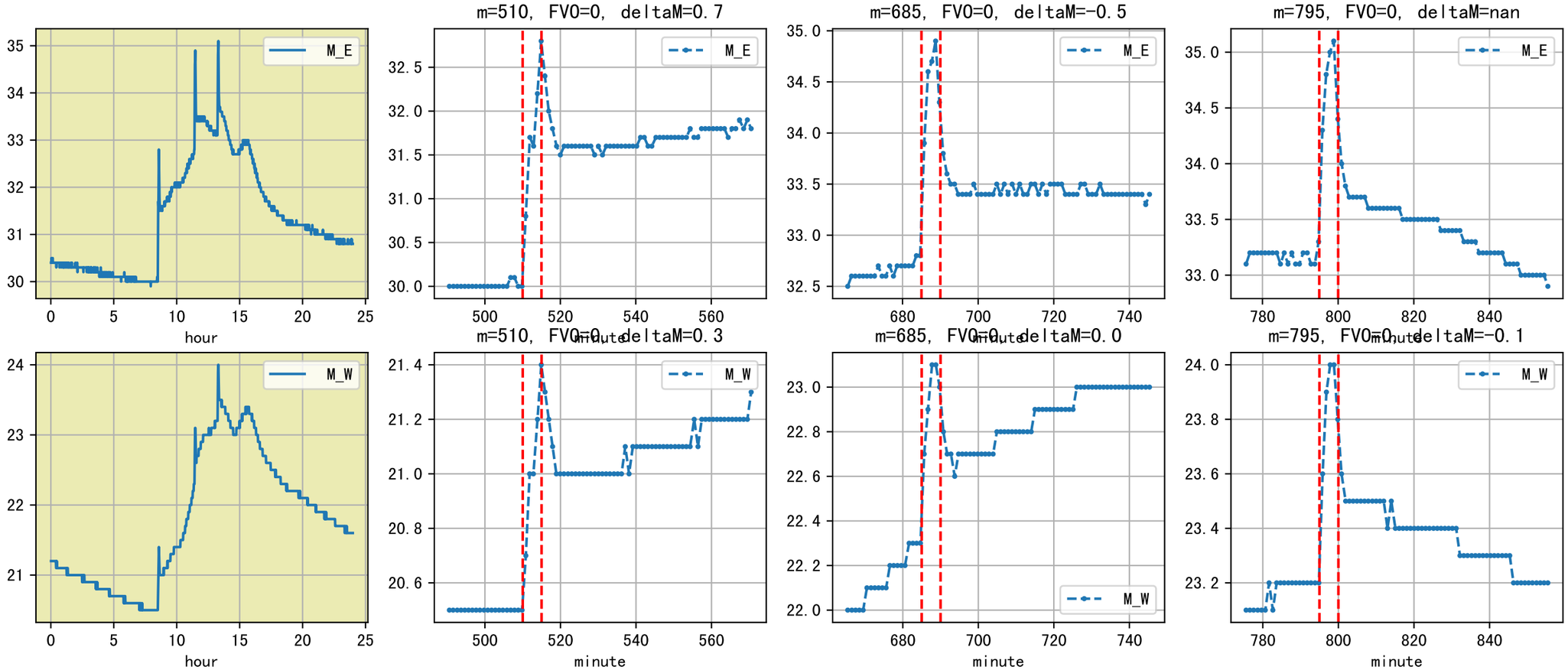

hour
9:25
10:35
12:10
14:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:25	283	22.0	0.485	晴	假设@09:25 自动（未用传感器）
10:35	283	22.0	0.485	晴	假设@10:35 自动（未用传感器）
12:10	283	22.0	0.485	晴	假设@12:10 自动（未用传感器）
14:10	283	22.0	0.485	阴	假设@14:10 自动（未用传感器）
总计	1132.0 (4次)	88.0			建议进液EC：1700， PH：6.0

滴头平均流速偏小（0.18），请检查
上次灌溉时长(282)与预期(129.0)不符，可能由于多阀同灌按参考区灌溉
默认实际灌溉48.0 ml.

P1_0, Day=112 (2026-01-14)




M_E
hour
m=510, FVO=0, deltaM=0.7
m=685, FVO=0, deltaM=-0.5
m=795, FVO=0, deltaM=nan
M_W
m=510, FVO=0, deltaM=0.3
m=685, FVO=0, deltaM=0.0
m=795, FVO=0, deltaM=-0.1
minute