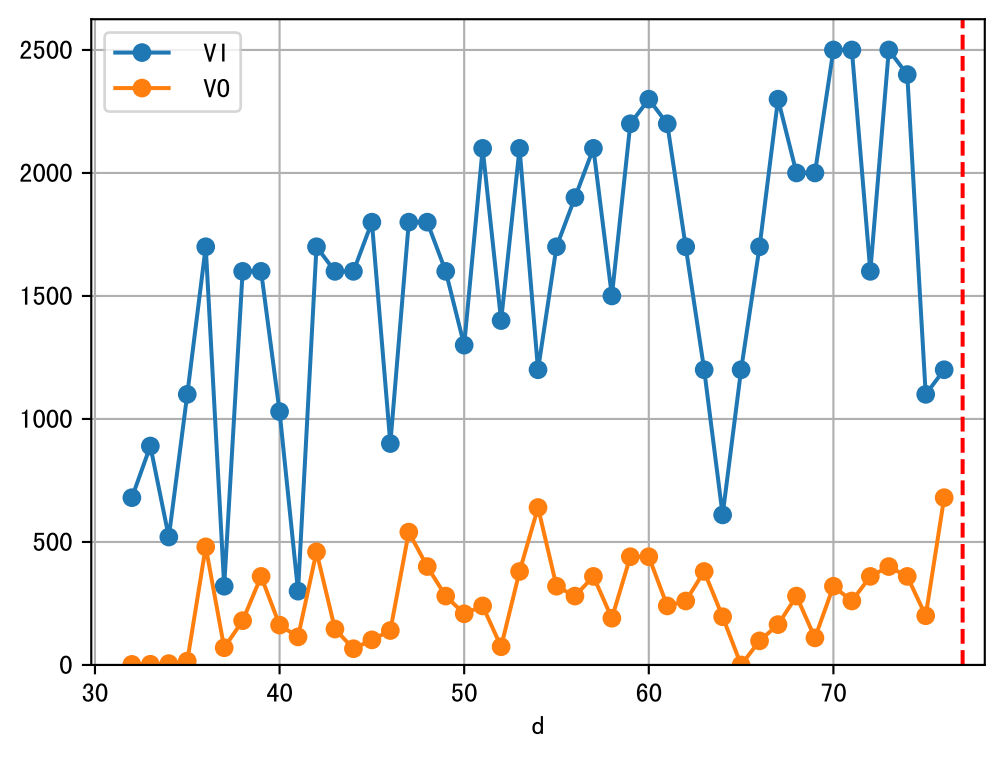
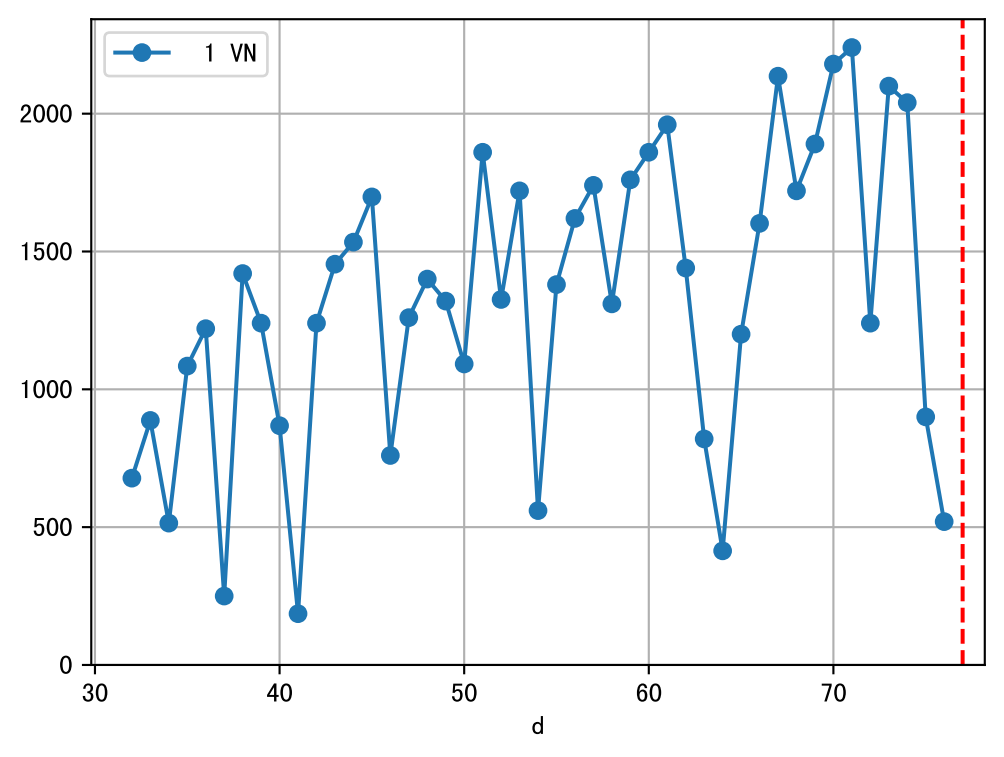
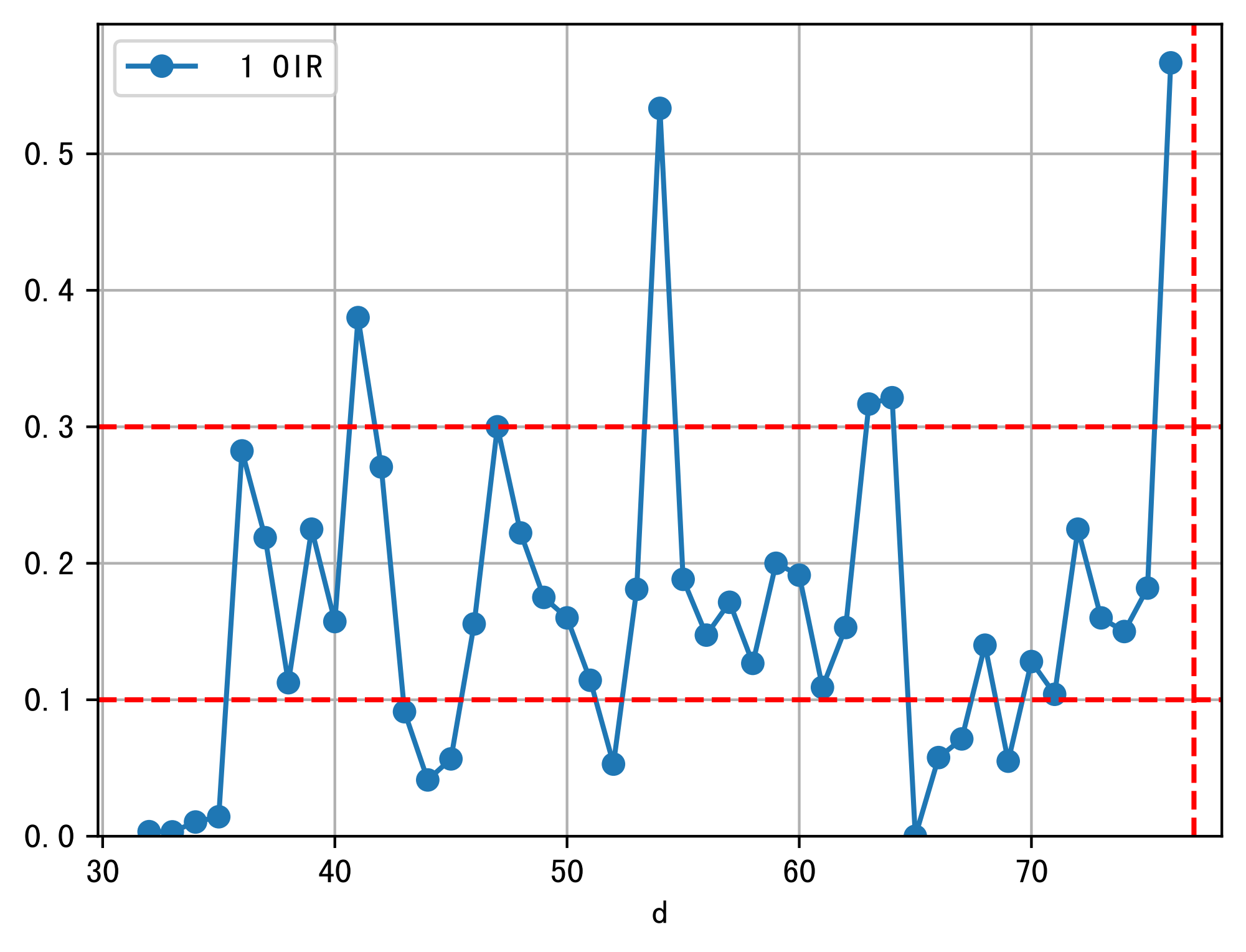
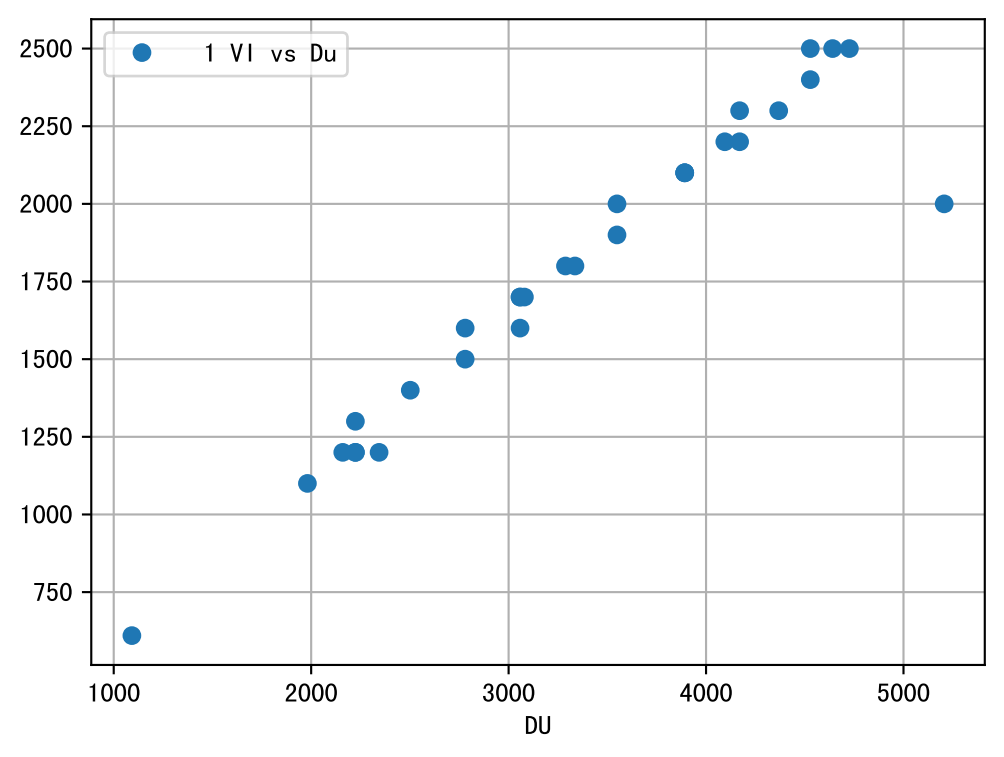
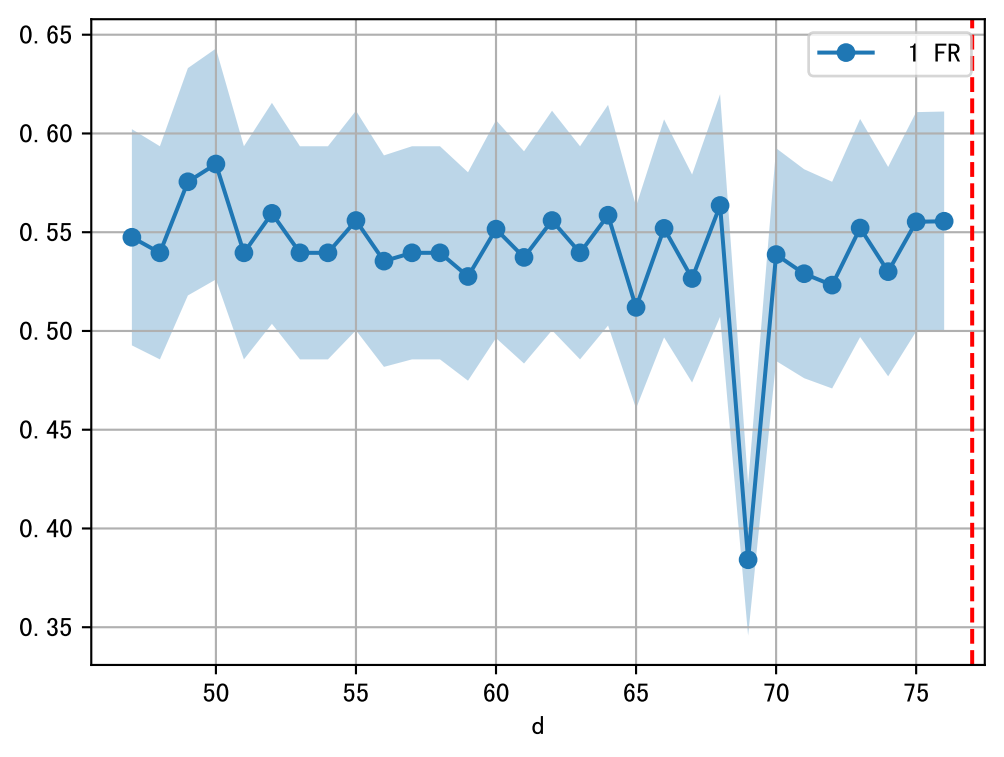
FgArea: ['0']
NC11 P3-8
2025-06-14 (Day 77)

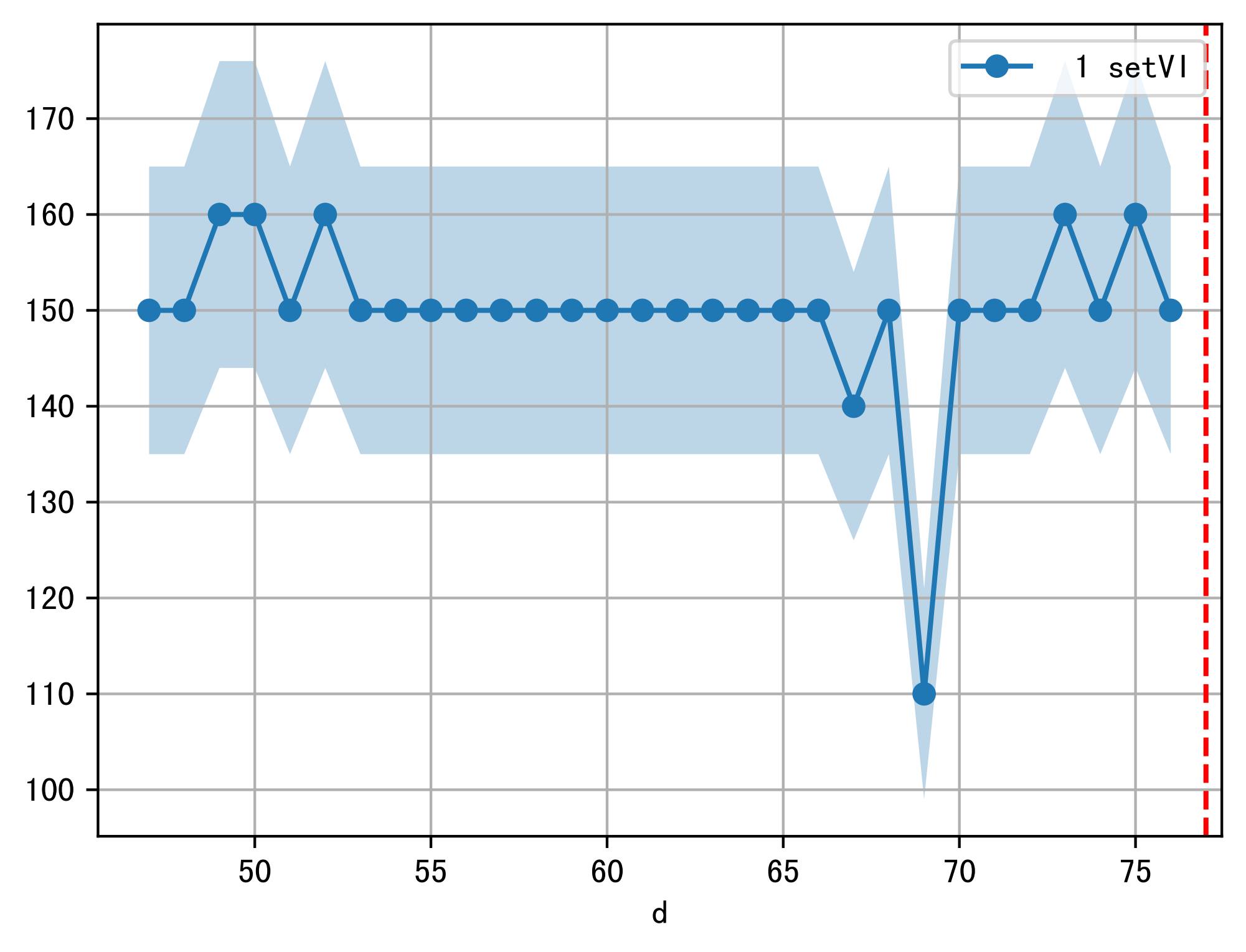

VI
V0
2500
2000
1500
1000
500
0
30
40
50
60
70
d

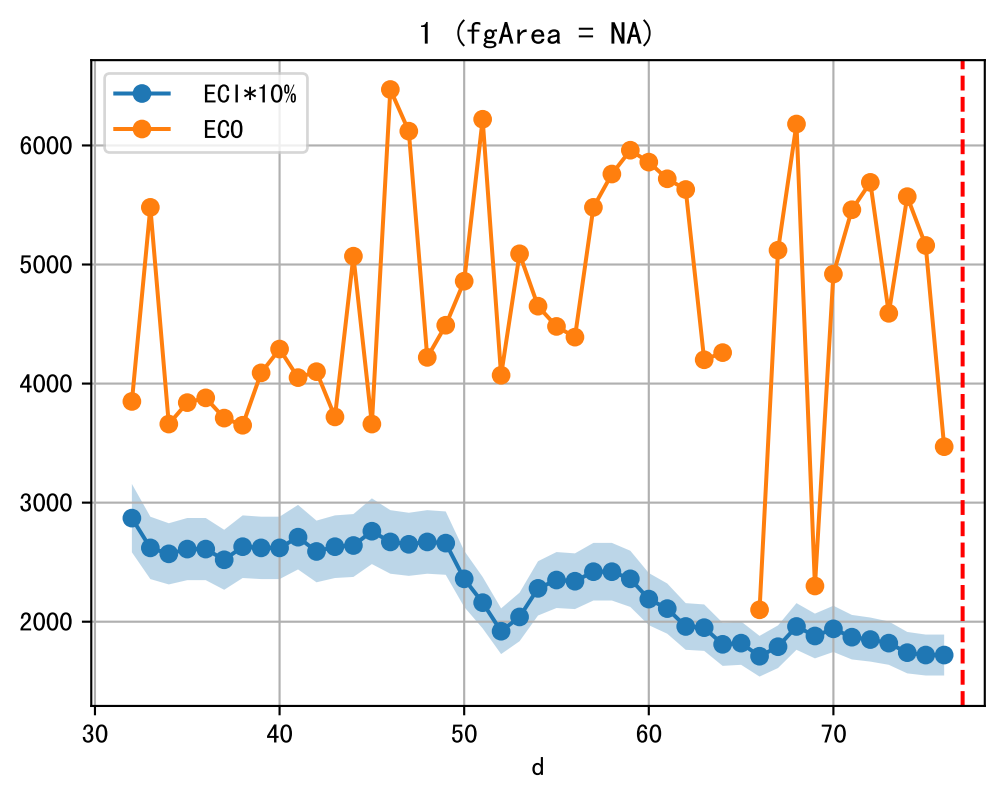

1 VN
2000
1500
1000
500
0
30
40
50
60
70
d

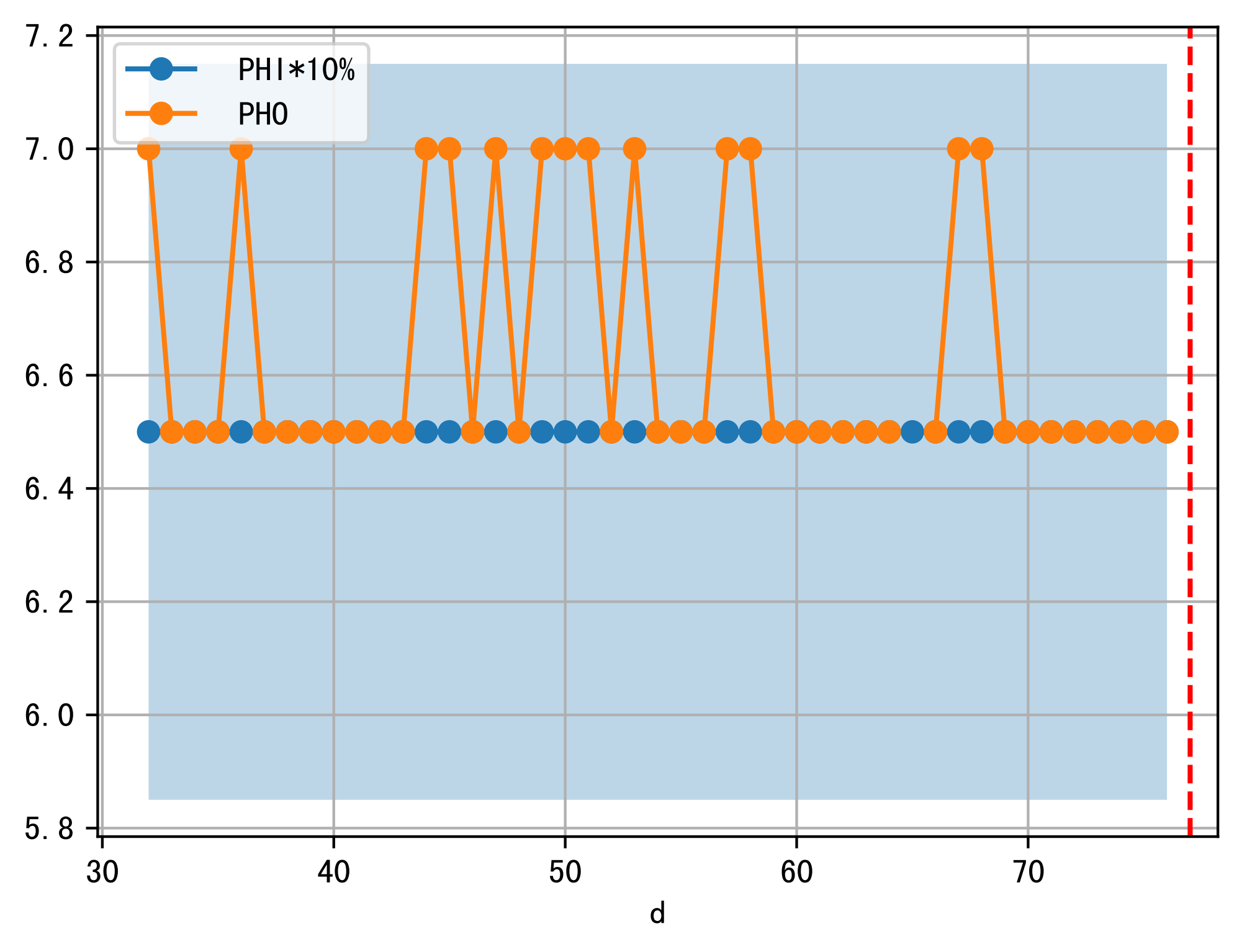

1 0IR
0.5
0.4
0.3
0.2
0.1
0.0
30
40
50
60
70
d

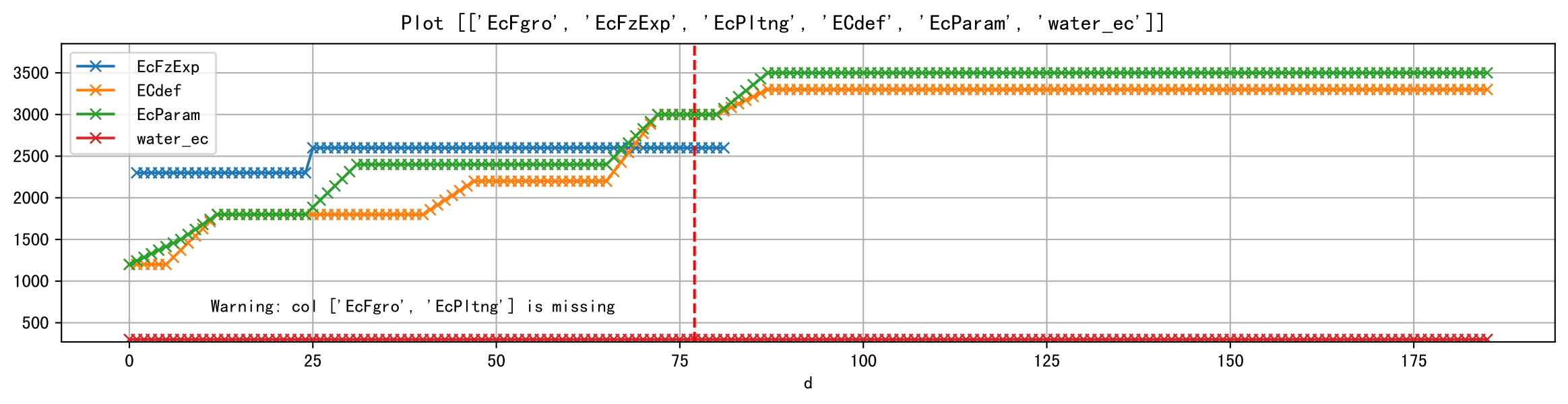

1 VI vs Du
2500
2250
2000
1750
1500
1250
1000
750
1000
2000
3000
4000
5000
DU

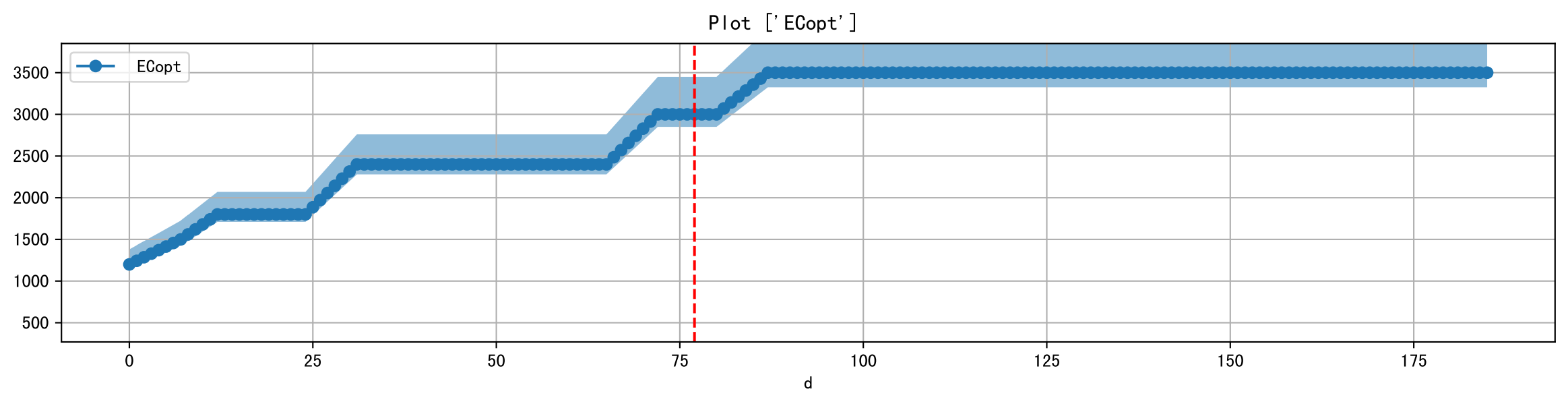

0.65
0.60
0.55
0.50
0.45
0.40
0.35
50
55
60
65
70
75
d
1 FR


1 setVI
170
160
150
140
130
120
110
100
50
55
60
65
70
75
d

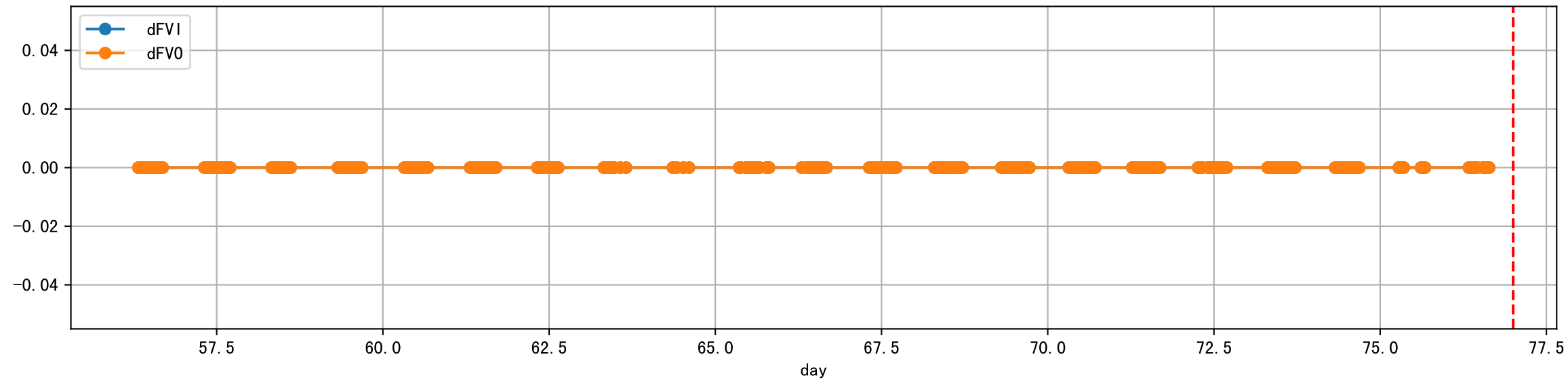

1 (fgArea = NA)
ECI*10%
ECO
6000
5000
4000
3000
2000
30
40
50
60
70
d

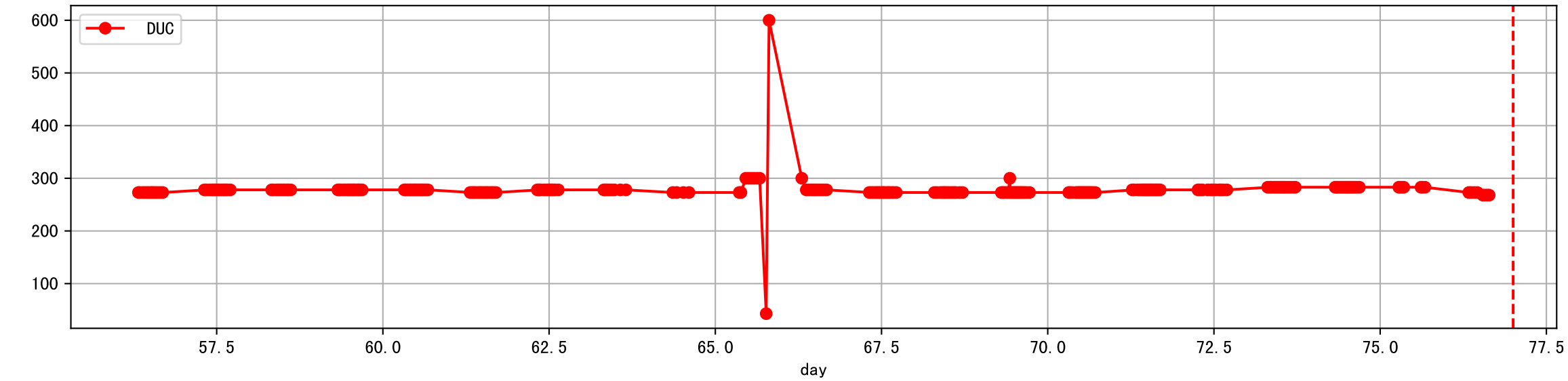

PHI*10%
PH0
7.2
7.0
6.8
6.6
6.4
6.2
6.0
5.8
30
40
50
60
70
d

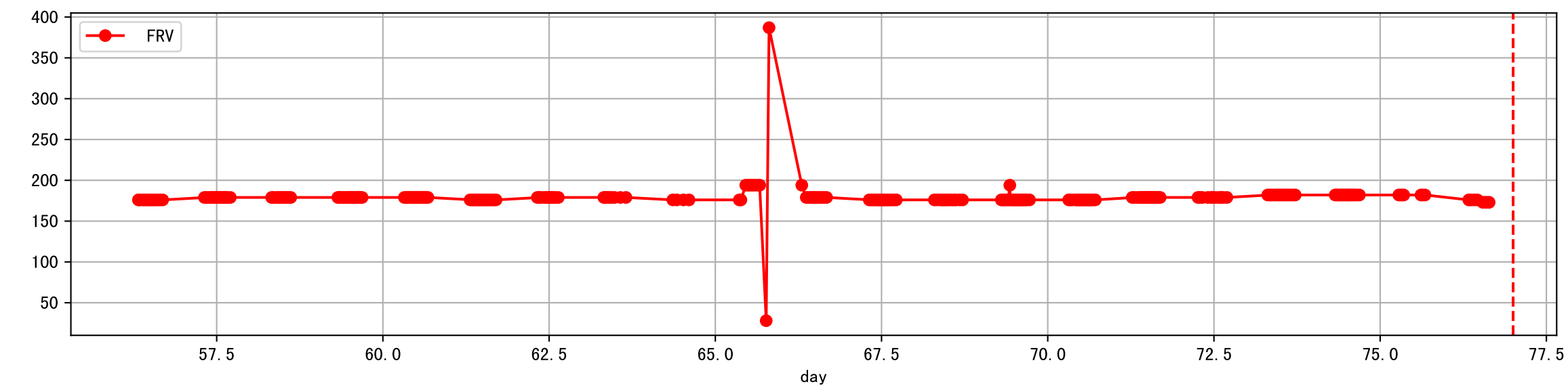

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

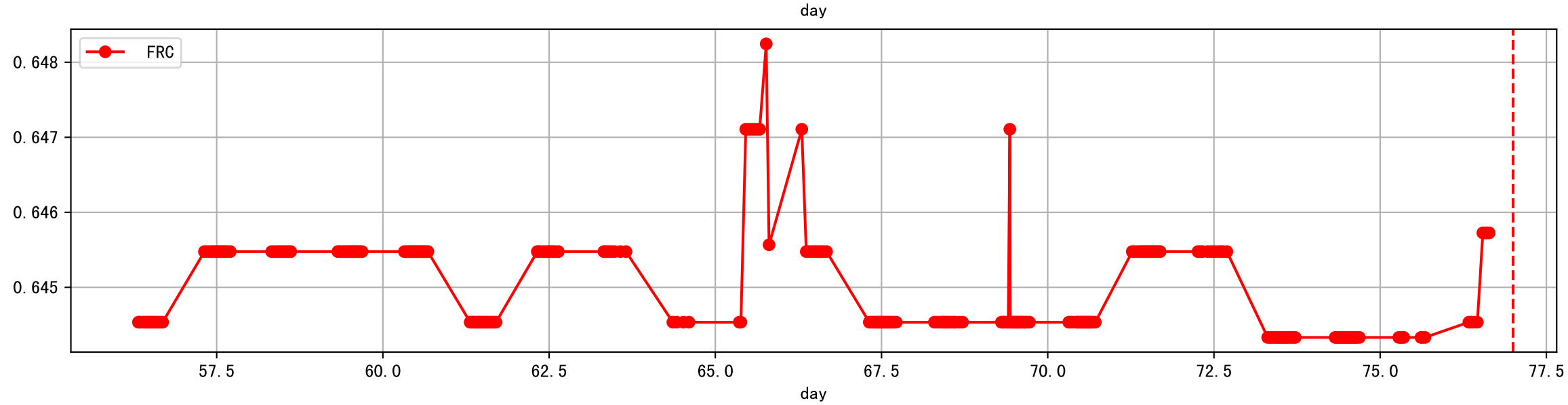

Plot ['ECopt']
ECopt
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

Plot Sensor and FgRec Data

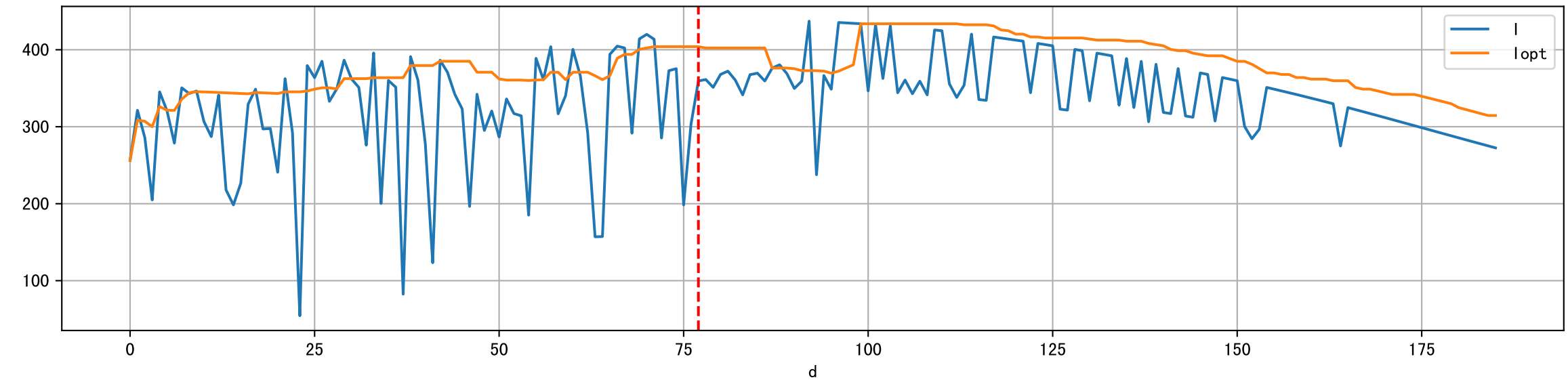


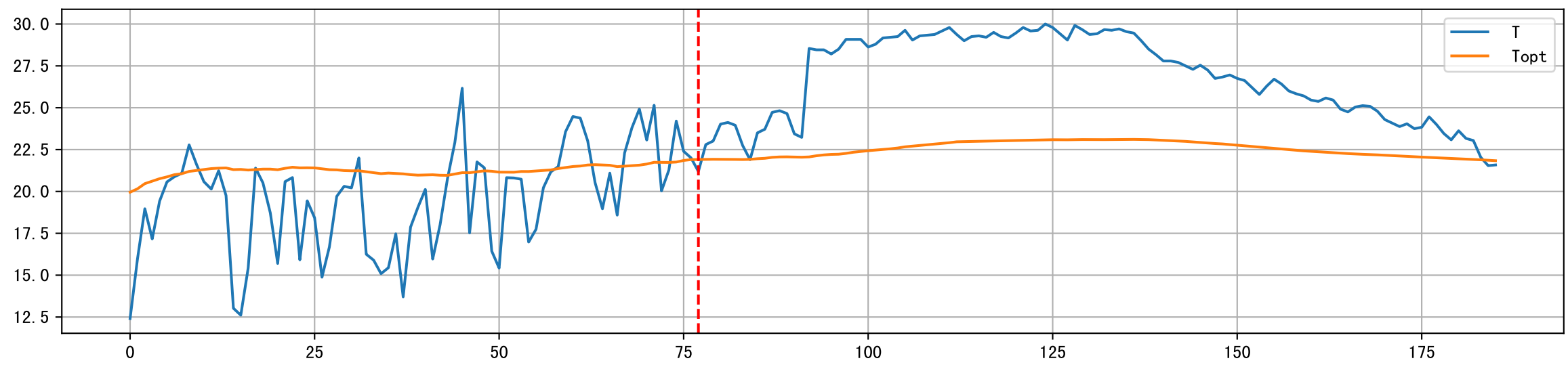


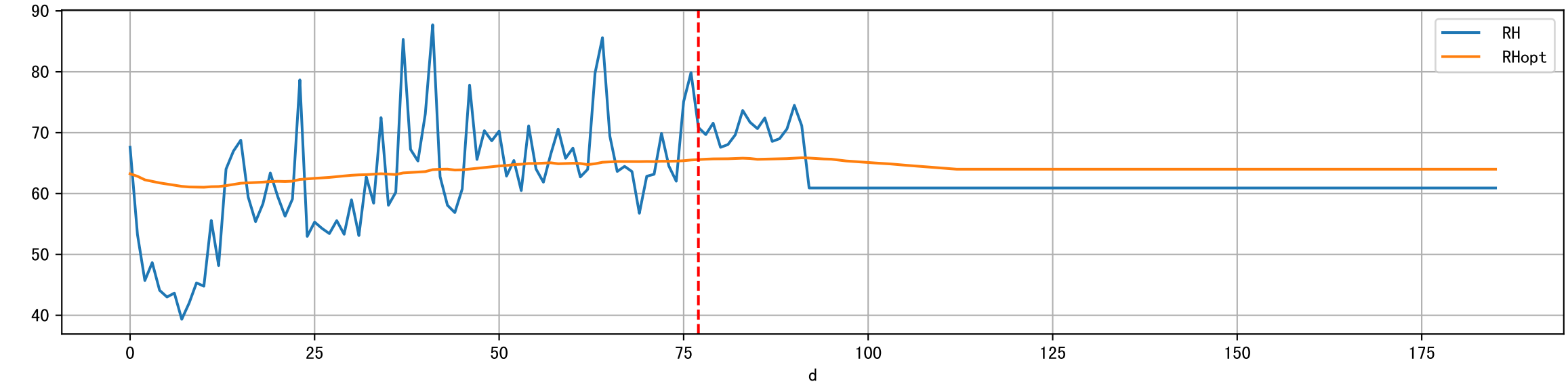


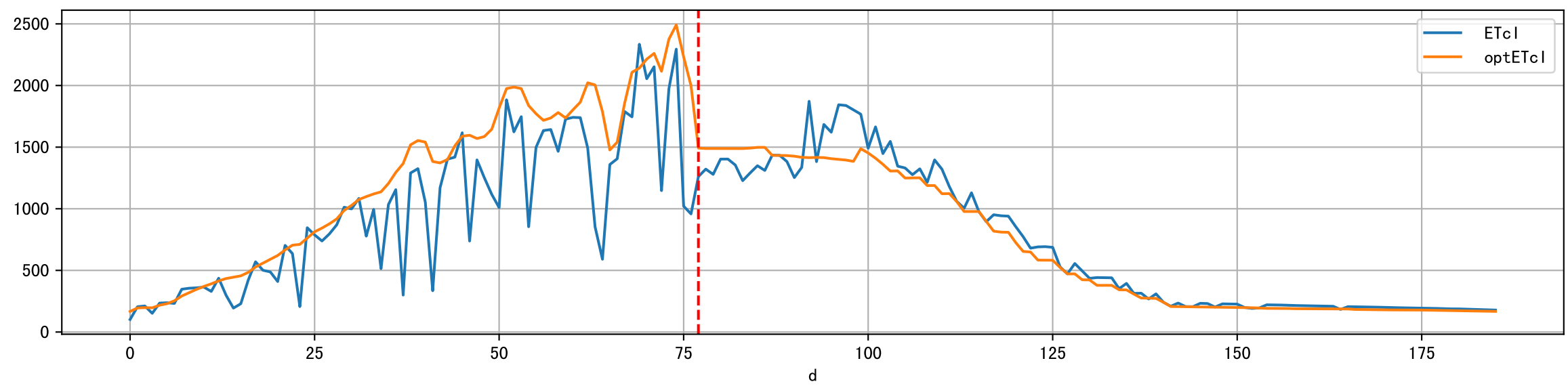


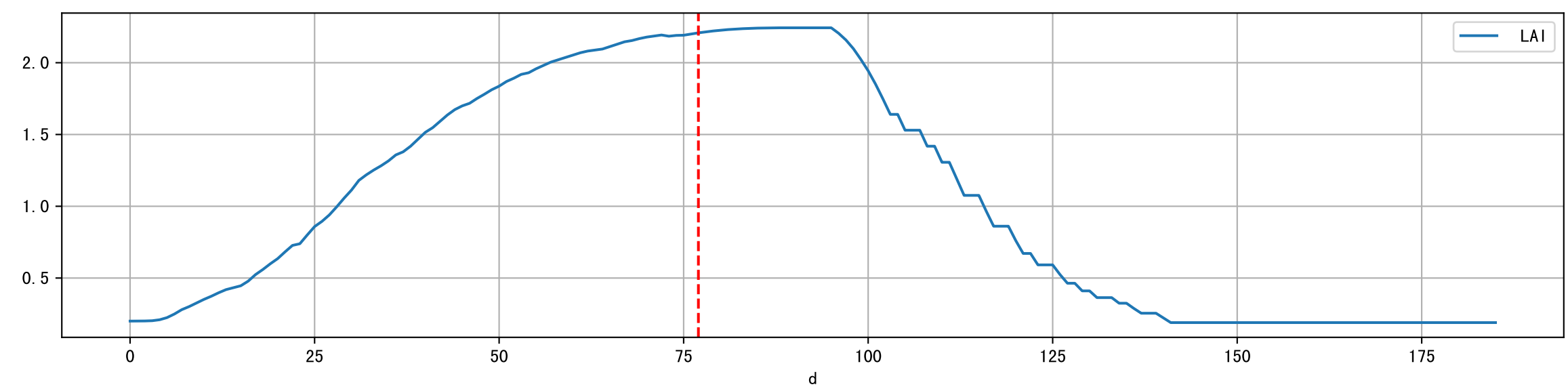
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']

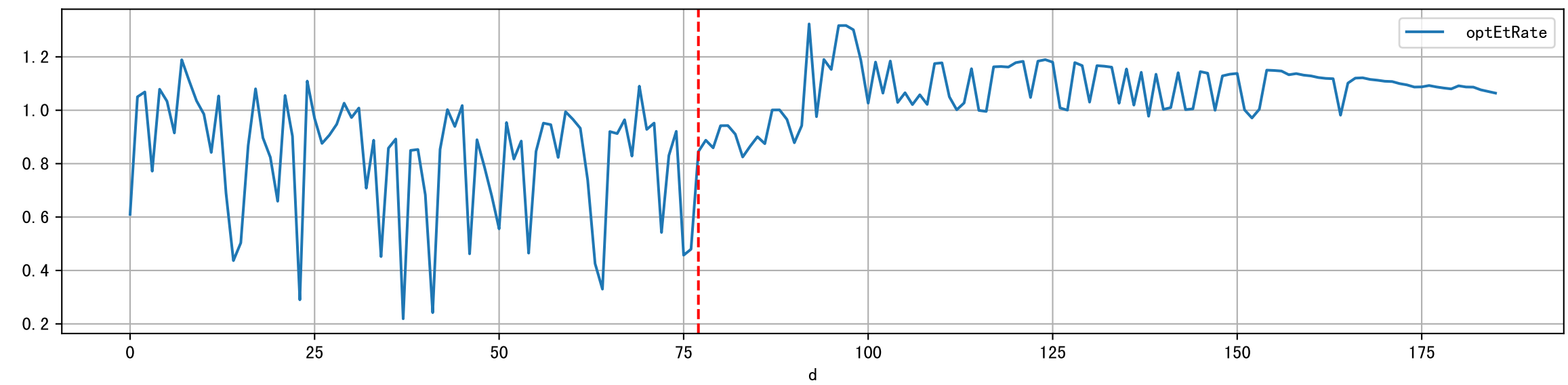


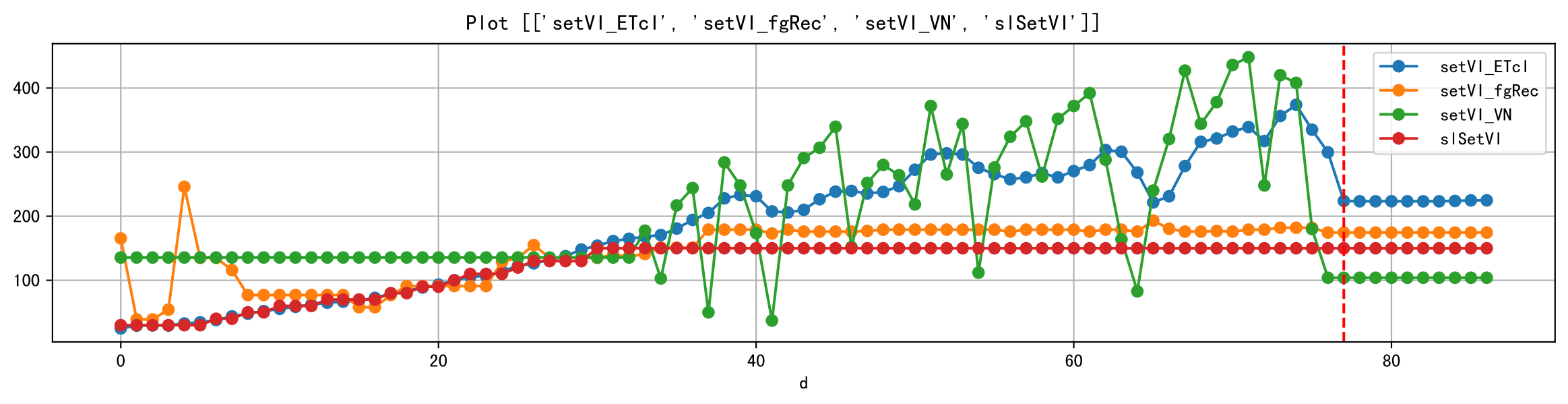


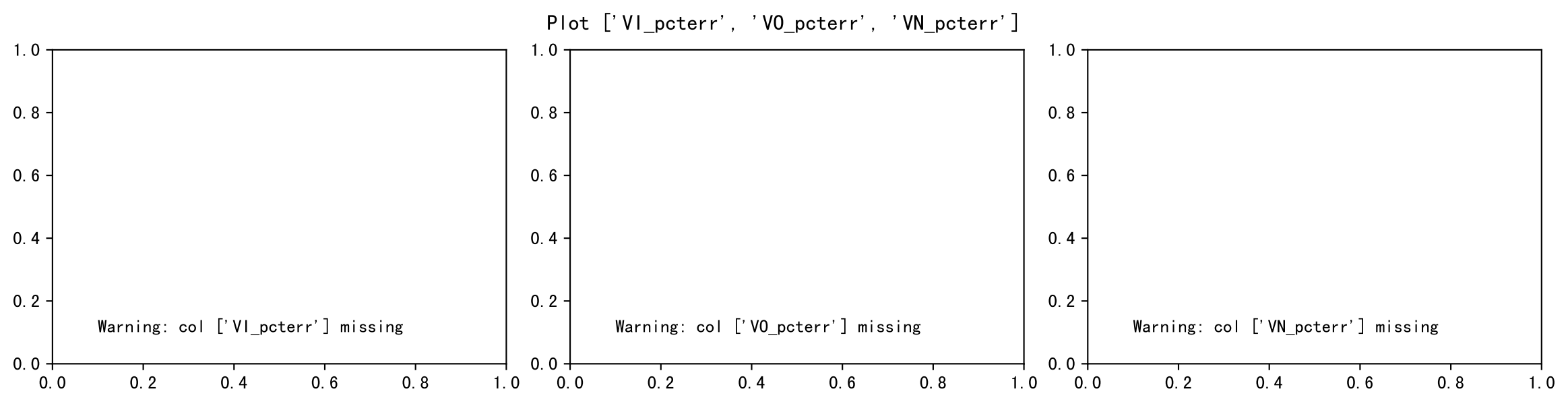


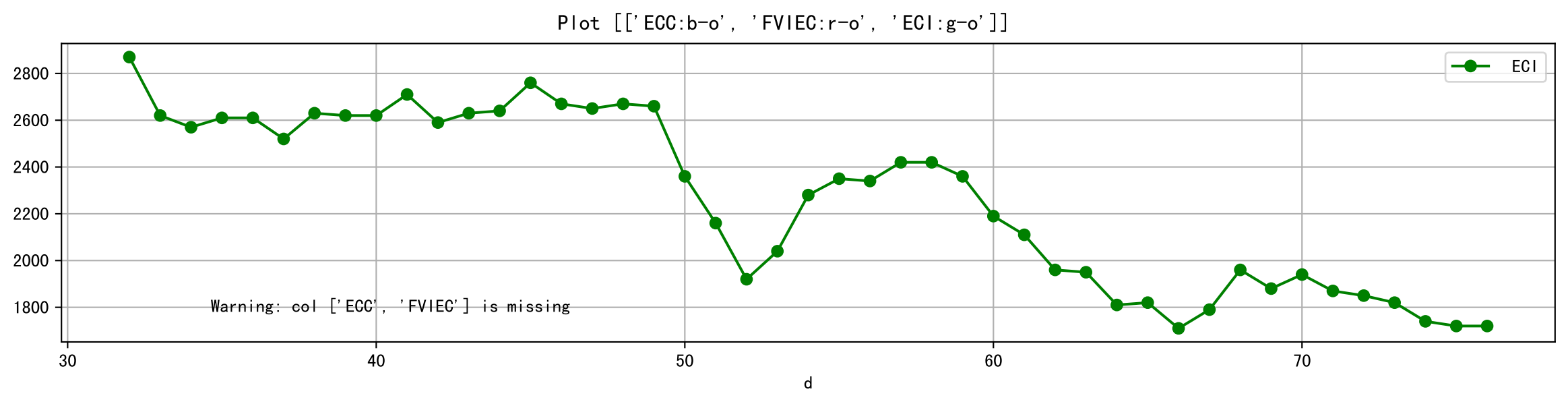


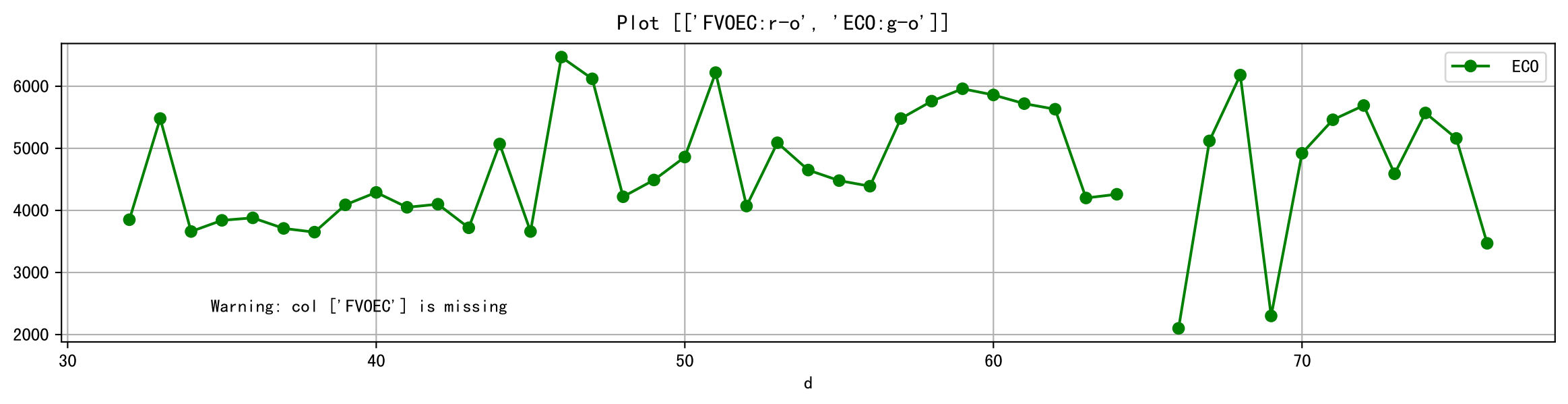


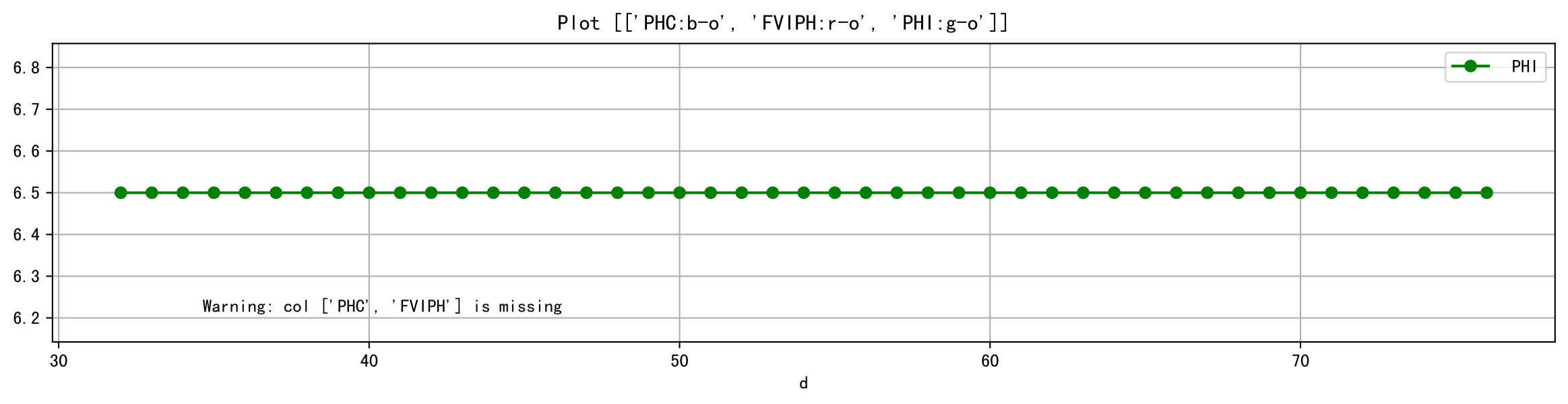


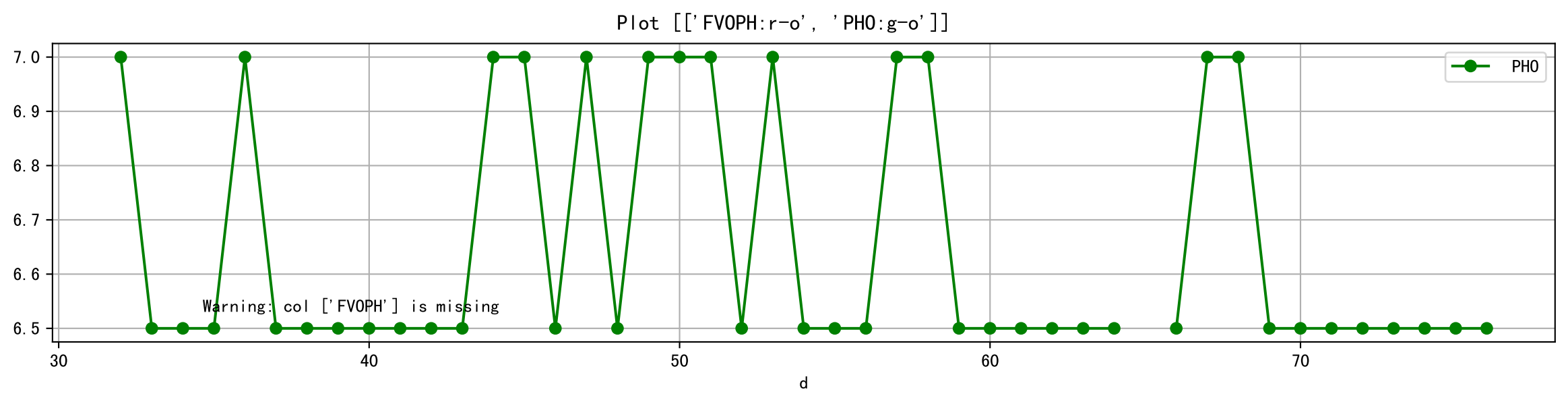

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'sISetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
sISetVI
400
300
200
100
0
20
40
60
80
d

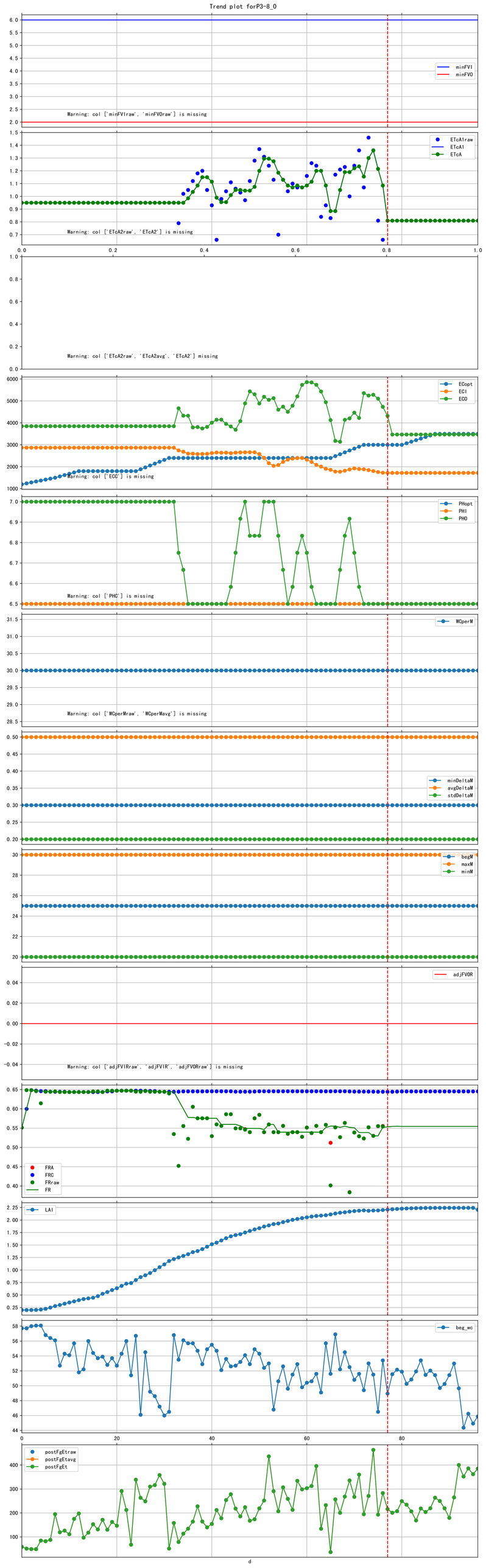

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

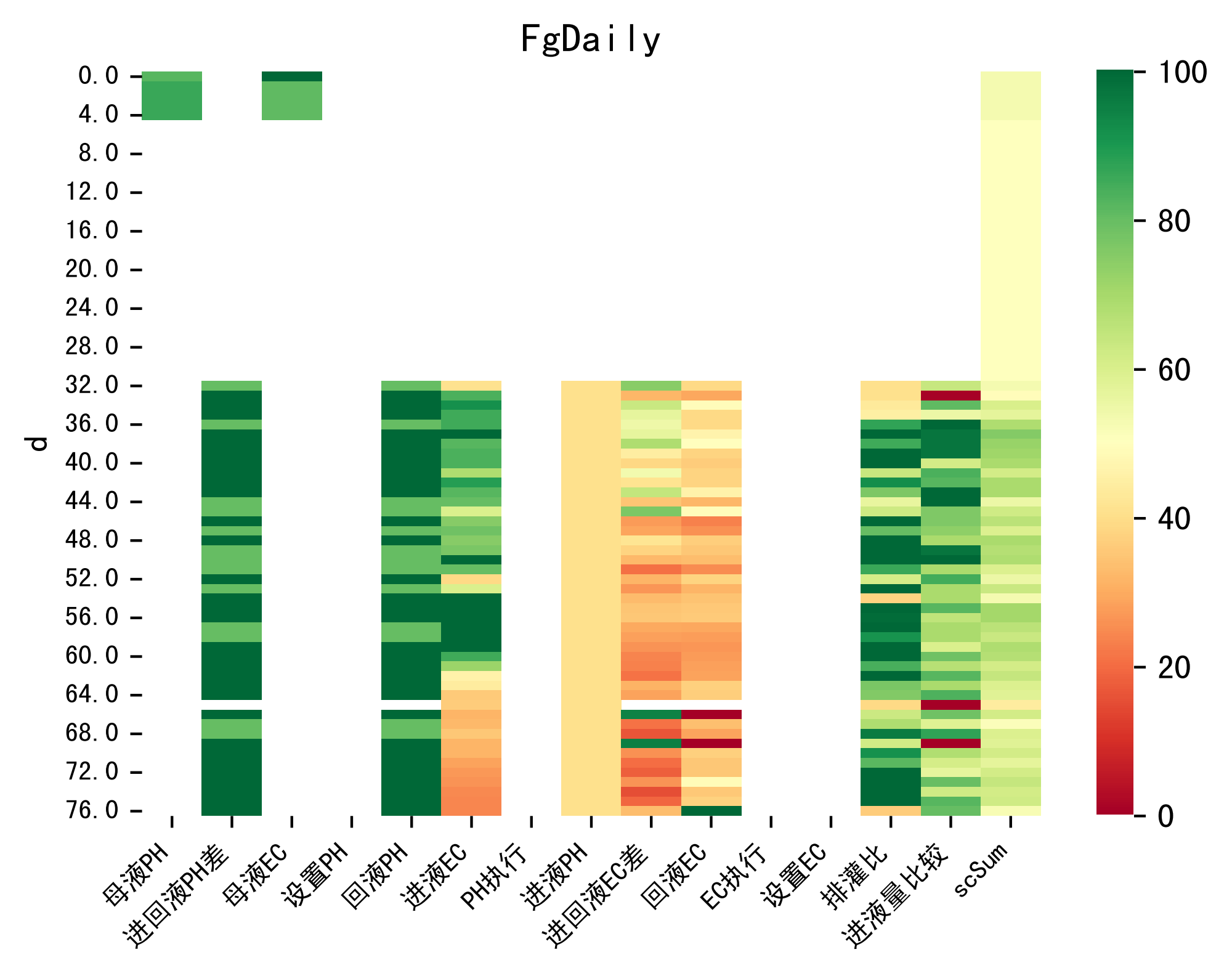

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECI
Warning: col ['ECC', 'FVIEC'] is missing
2800
2600
2400
2200
2000
1800
30
40
50
60
70
d

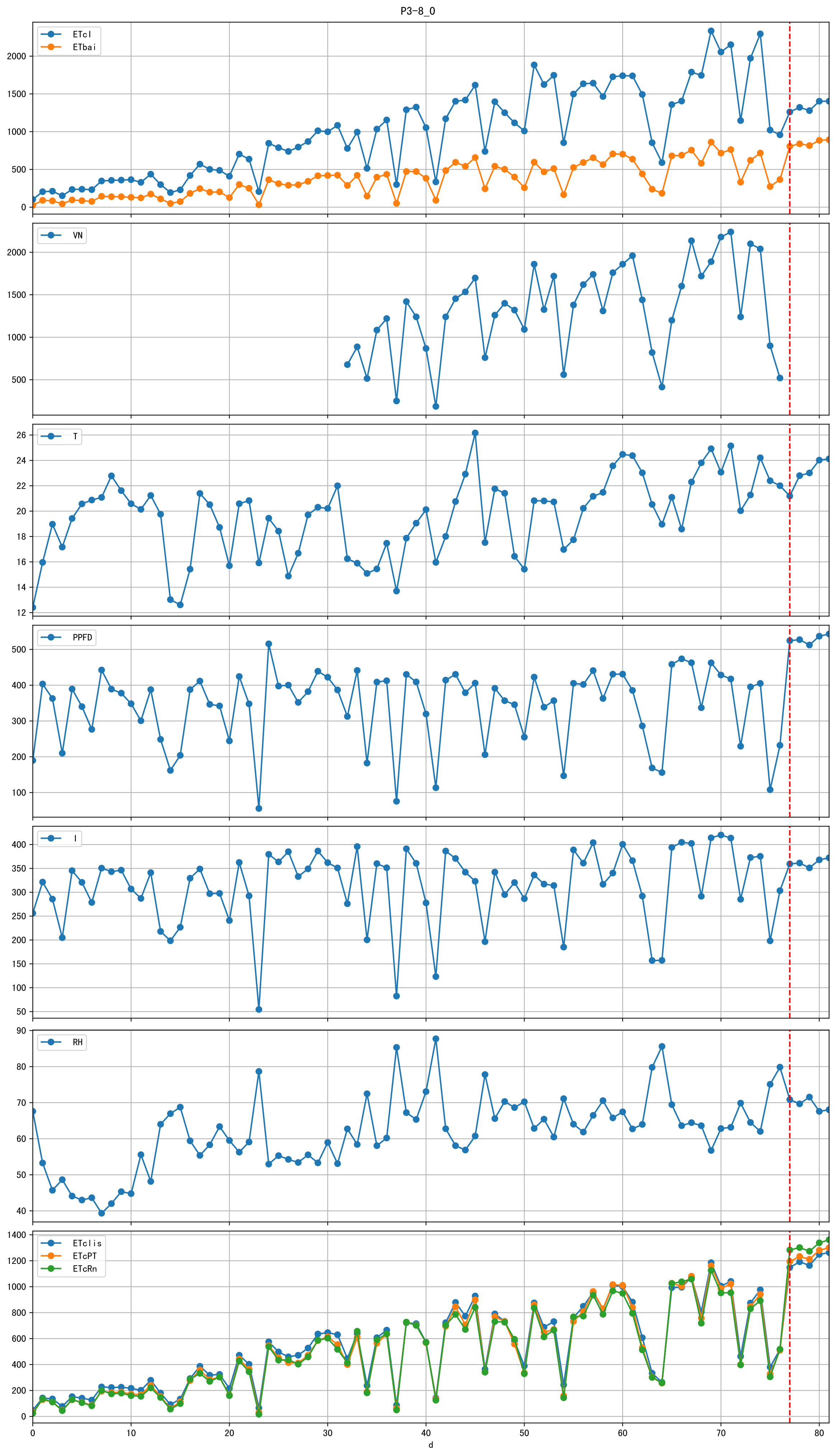

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
30
40
50
60
70
d

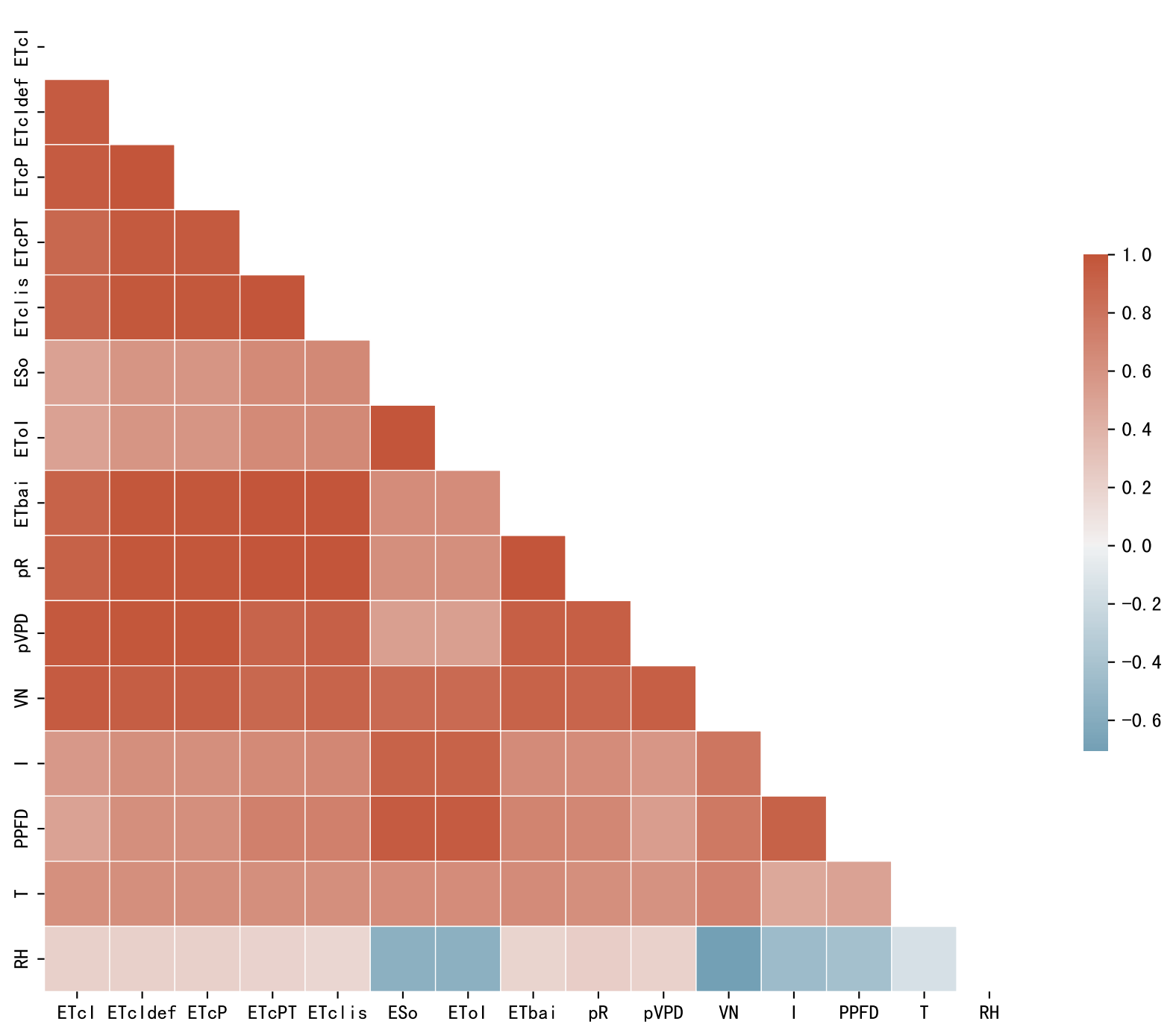

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHI
6.8
6.7
6.6
6.5
6.4
6.3
6.2
Warning: col ['PHC', 'FVIPH'] is missing
30
40
50
60
70
d

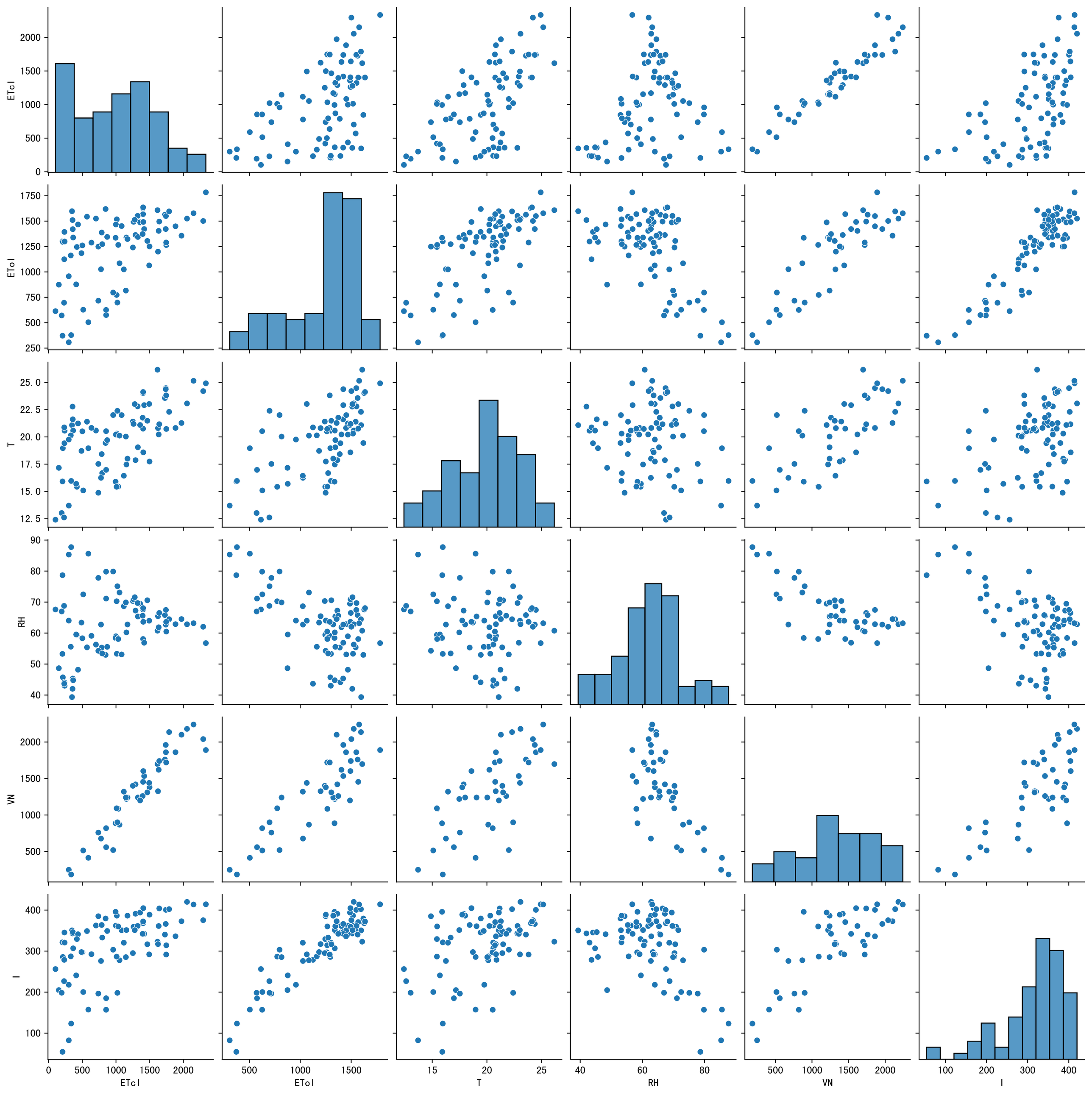

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.9
6.8
6.7
6.6
6.5
30
40
50
60
70
d

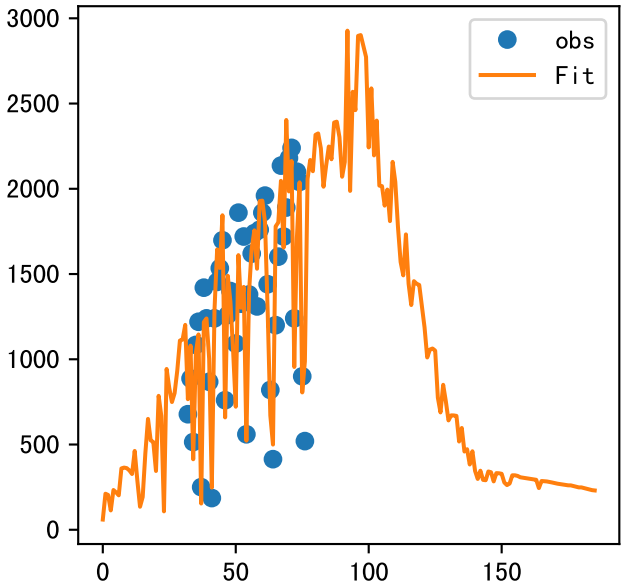

Trend plot forP3-8_0
minFVI
minFV0
Warning: col ['minFVIraw', 'minFV0raw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
EC1
EC0
Warning: col ['EC0'] is missing
PHopt
PH1
PH0
Warning: col ['PH0'] is missing
WCperM
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

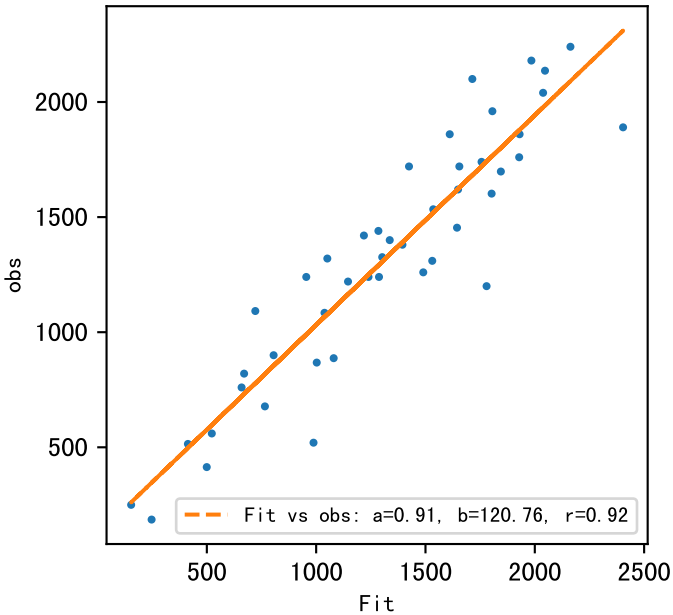

FgDaily
d
0.0
4.0
8.0
12.0
16.0
20.0
24.0
28.0
32.0
36.0
40.0
44.0
48.0
52.0
56.0
60.0
64.0
68.0
72.0
76.0
100
80
60
40
20
0
母液PH
进回液PH差
母液EC
设置PH
回液PH
进液EC
PH执行
进液PH
进回液EC差
回液EC
EC执行
设置EC
排灌比
进液量比较
scSum


P3-8_0
ETcl
ETbai
VN
T
PPFD
I
RH
ETclis
ETcPT
ETcRn
d

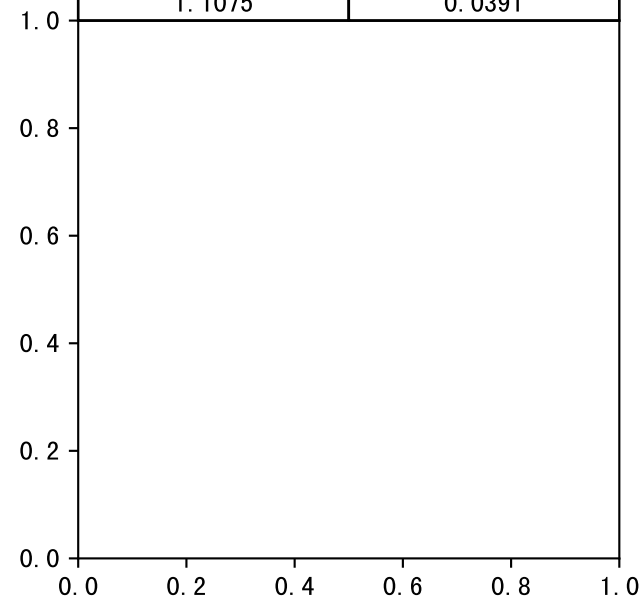

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

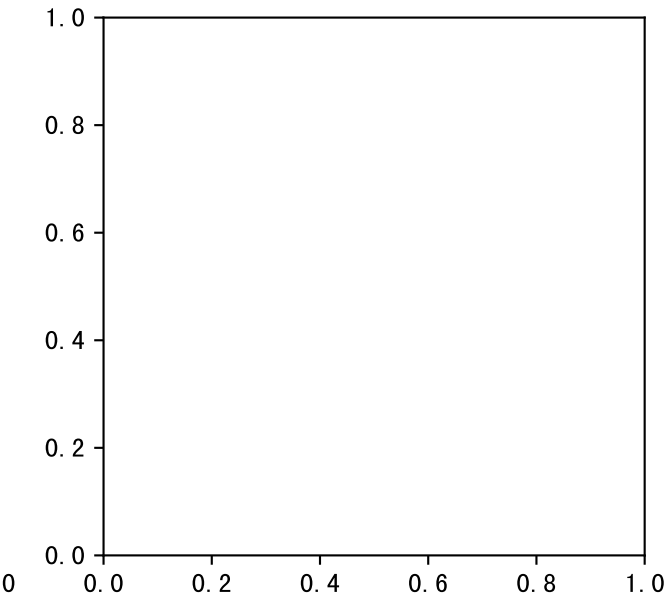

ETcl
ETol
T
RH
VN
I
0
500
1000
1500
2000
250
750
1750
12.5
15.0
17.5
20.0
22.5
25.0
40
50
60
70
80
90
100
200
300
400
15
20
25

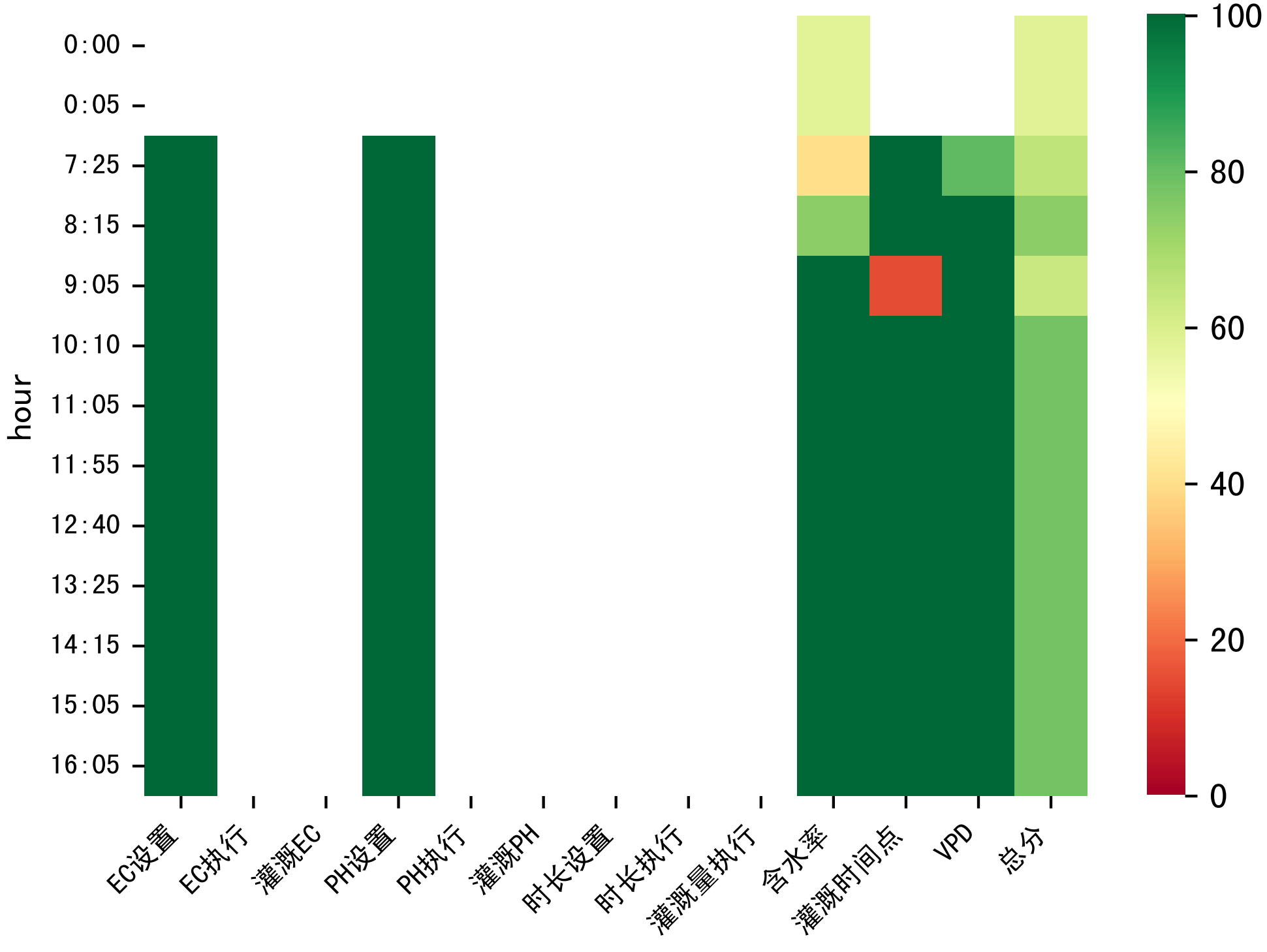




baiA	baiB
1.1075	0.0391



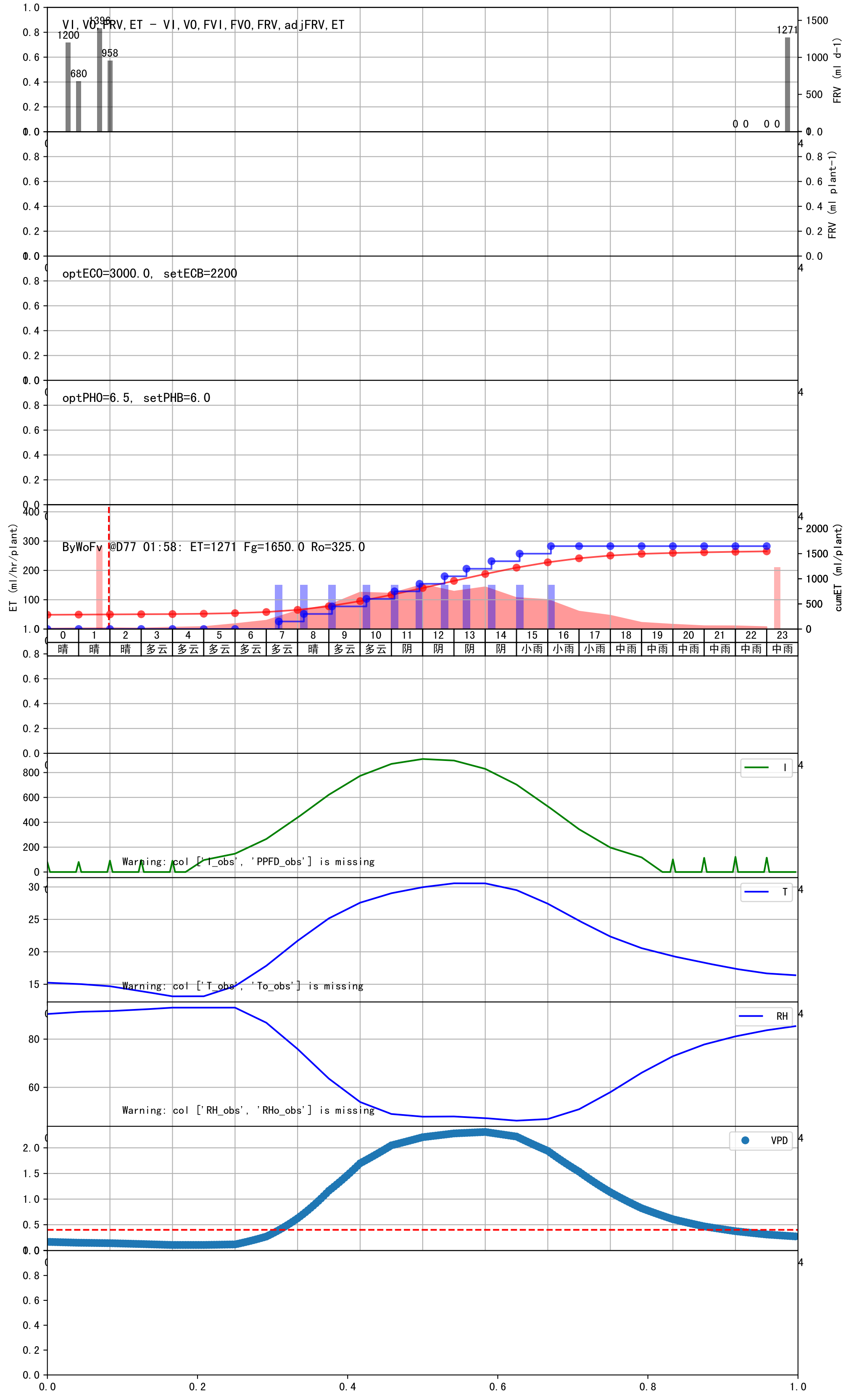


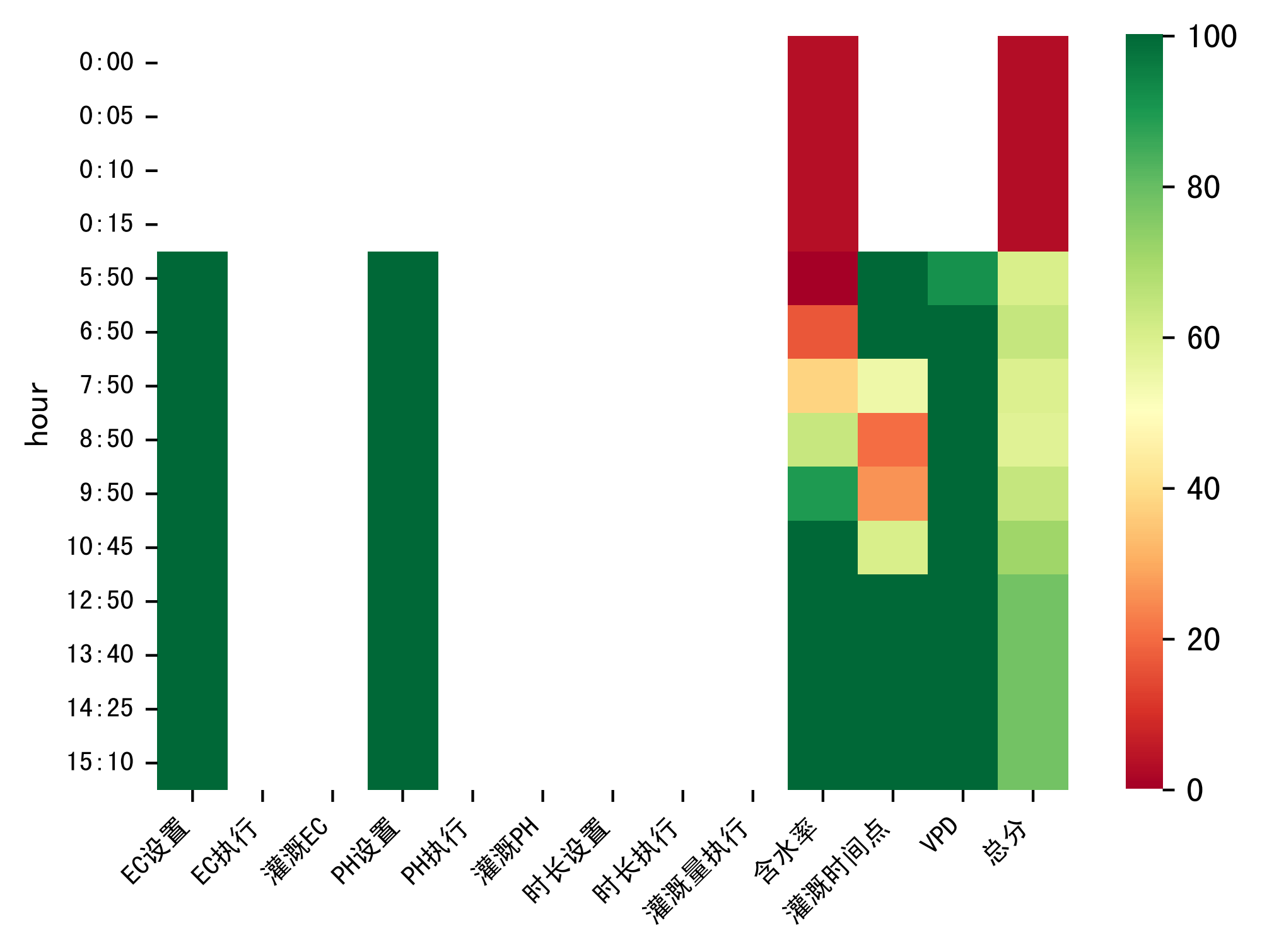

hour
0:00
0:05
7:25
8:15
9:05
10:10
11:05
11:55
12:40
13:25
14:15
15:05
16:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:25	273	150.0	2.583	多云	预期@07:25 未知程序（未用传感器）
08:15	273	150.0	2.583	晴	预期@08:15 未知程序（未用传感器）
09:05	273	150.0	2.583	多云	预期@09:05 未知程序（未用传感器）
10:10	273	150.0	2.583	多云	预期@10:10 未知程序（未用传感器）
11:05	273	150.0	2.583	阴	预期@11:05 未知程序（未用传感器）
11:55	273	150.0	2.583	阴	预期@11:55 未知程序（未用传感器）
12:40	273	150.0	2.583	阴	预期@12:40 未知程序（未用传感器）
13:25	273	150.0	2.583	阴	预期@13:25 未知程序（未用传感器）
14:15	273	150.0	2.583	阴	预期@14:15 未知程序（未用传感器）
15:05	273	150.0	2.583	小雨	预期@15:05 未知程序（未用传感器）
16:05	273	150.0	2.583	小雨	预期@16:05 未知程序（未用传感器）
总计	3003.0 (11次)	1650.0			建议进液EC：2200， PH：6.0

模型建议今天进液PH 6.005
进回液EC差(1727.0 vs 4733.0)过高
模型建议今天进液EC 2200.0

P3-8_0, Day=77 (2025-06-14)

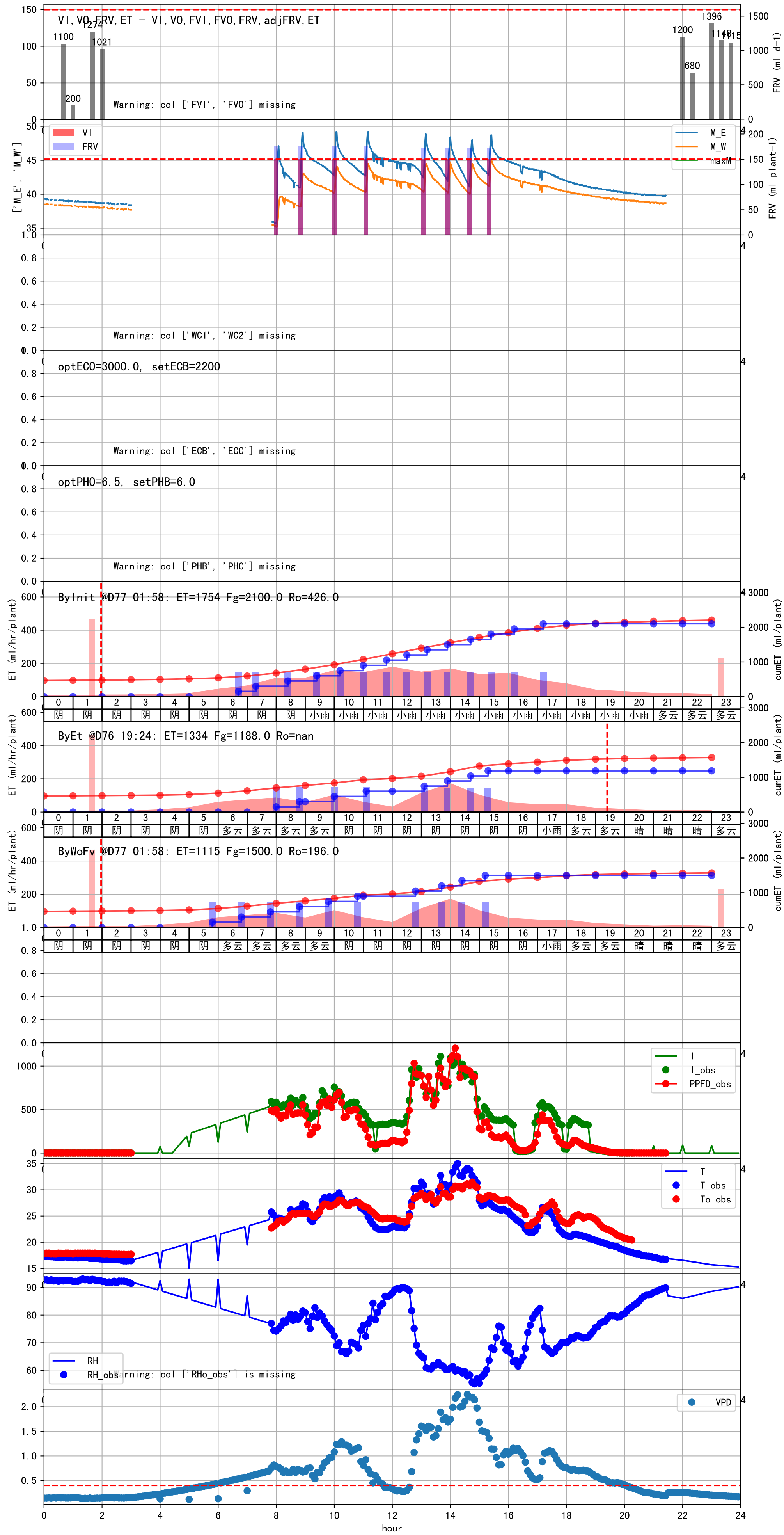


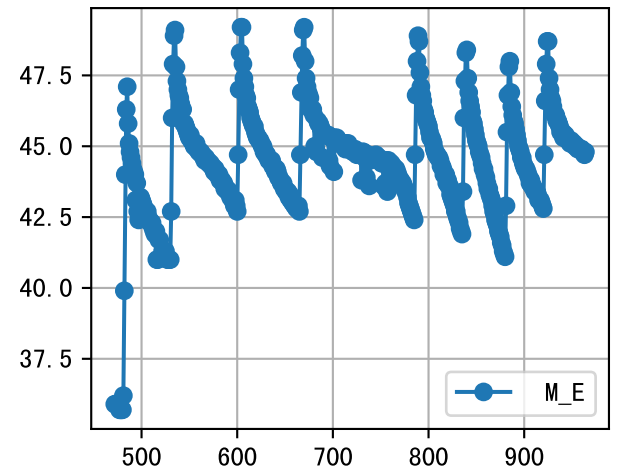

hour
0:00
0:05
0:10
0:15
5:50
6:50
7:50
8:50
9:50
10:45
12:50
13:40
14:25
15:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

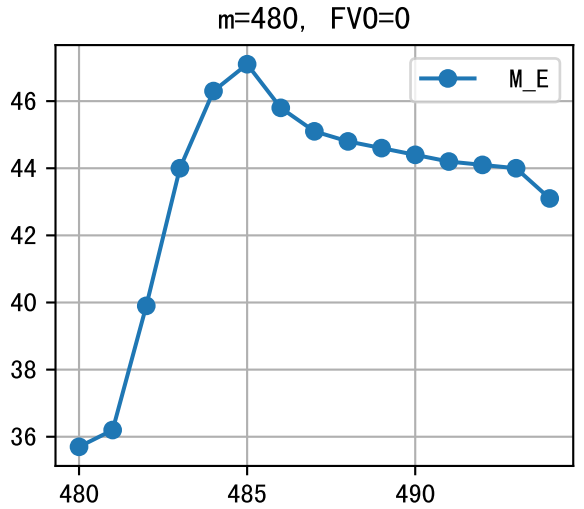
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
05:50	273	150.0	2.583	阴	假设@05:50 自动（未用传感器）
06:50	273	150.0	2.583	多云	假设@06:50 自动（未用传感器）
07:50	273	150.0	2.583	多云	假设@07:50 自动（未用传感器）
08:50	273	150.0	2.583	多云	假设@08:50 自动（未用传感器）
09:50	273	150.0	2.583	多云	假设@09:50 自动（未用传感器）
10:45	273	150.0	2.583	阴	假设@10:45 自动（未用传感器）
12:50	273	150.0	2.583	阴	假设@12:50 自动（未用传感器）
13:40	273	150.0	2.583	阴	假设@13:40 自动（未用传感器）
14:25	273	150.0	2.583	阴	假设@14:25 自动（未用传感器）
15:10	273	150.0	2.583	阴	假设@15:10 自动（未用传感器）
总计	2730.0 (10次)	1500.0			建议进液EC：2200， PH：6.0

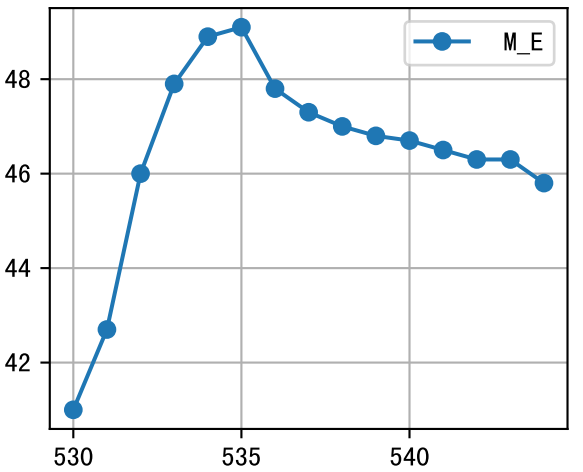
施肥机灌溉量与预期值不符 (173.0 : 142.0)，可能由于一阀多区不均匀
默认实际灌溉142.0 ml.
unusual large postFgEt from yesterday (463), set to 450.0 ml.
模型建议今天进液PH 6.005
进回液EC差(1760.0 vs 5107.0)过高
模型建议今天进液EC 2200.0

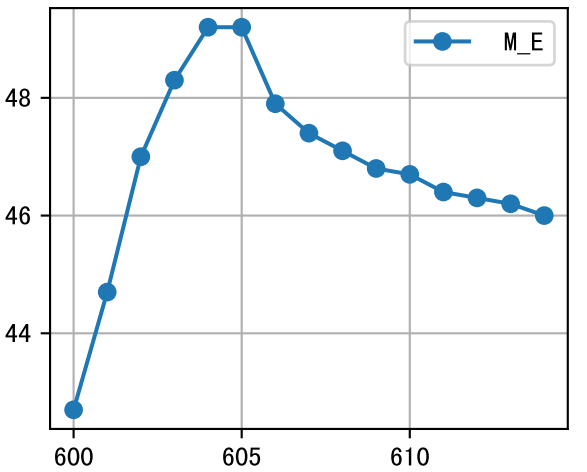
P3-8_0, Day=76 (2025-06-13)

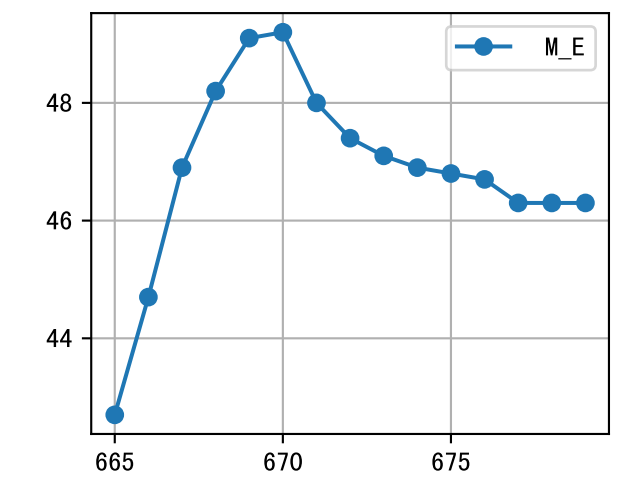


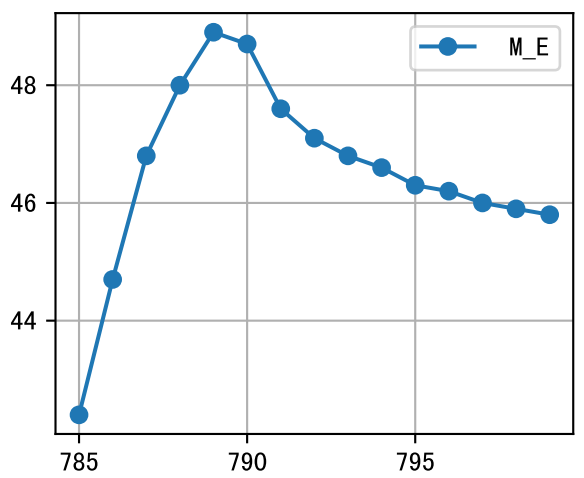

M_E

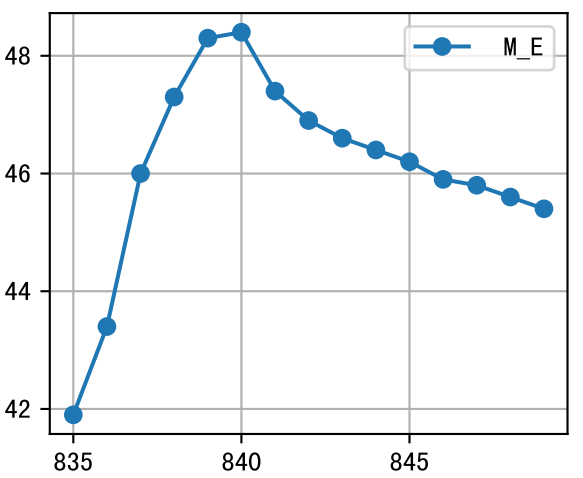

m=480, FV0=0
M_E

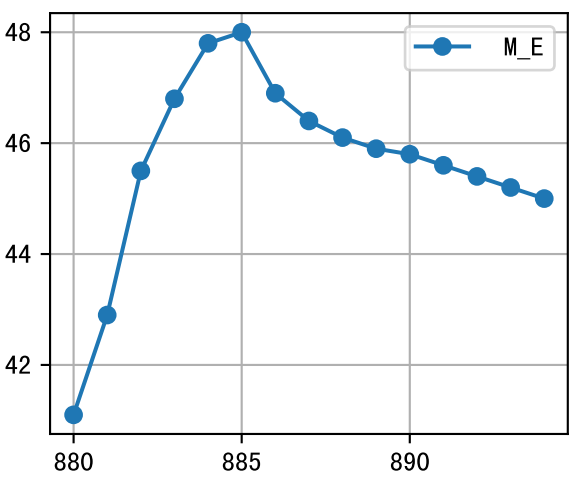

m=530, FV0=0
M_E

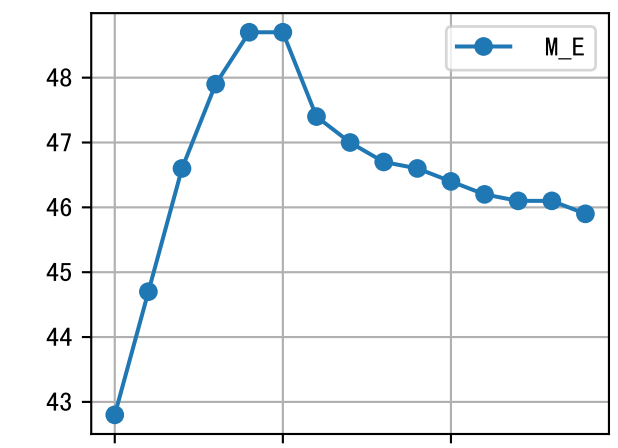

m=600, FV0=0
M_E

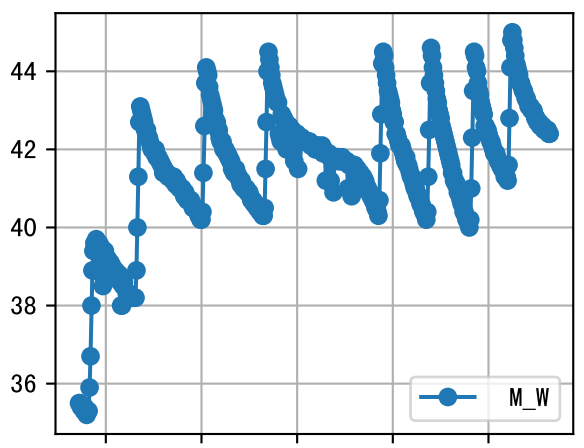

m=665,m FV0=0
M_E

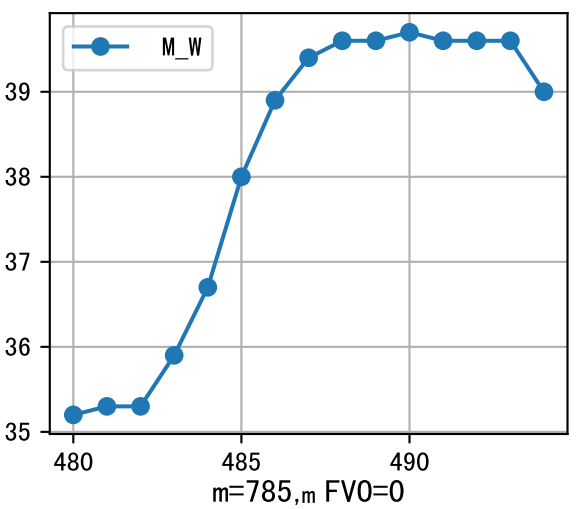

m=785,m FV0=0
M_E

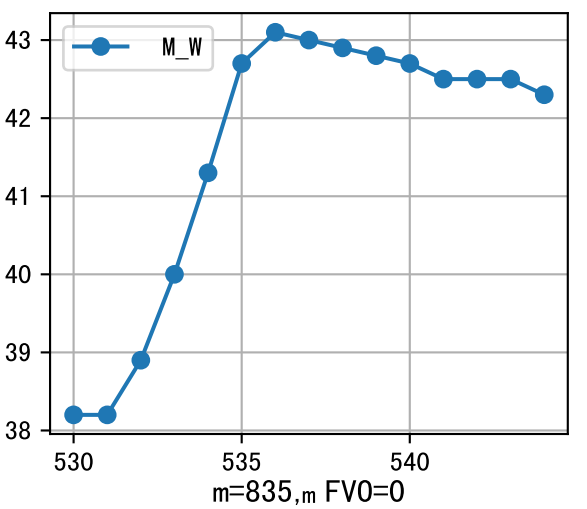

m=835,m FV0=0
M_E

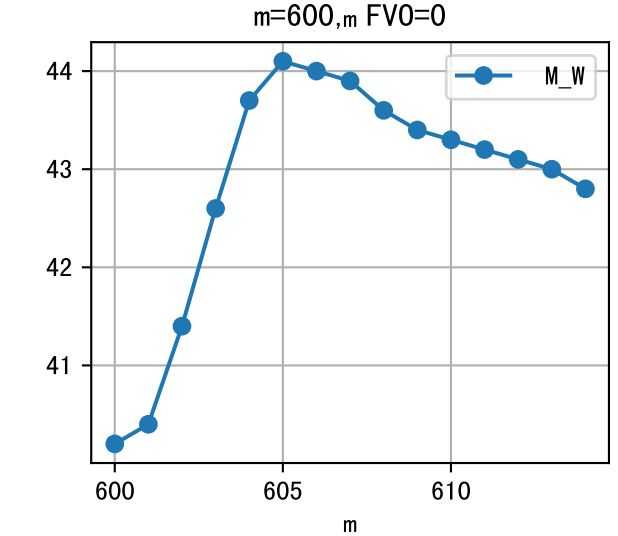

m=880,m FV0=0
M_E

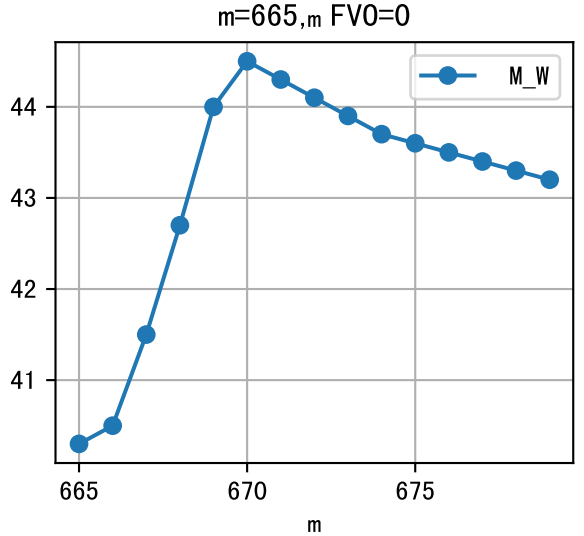

m=920,m FV0=0
M_E

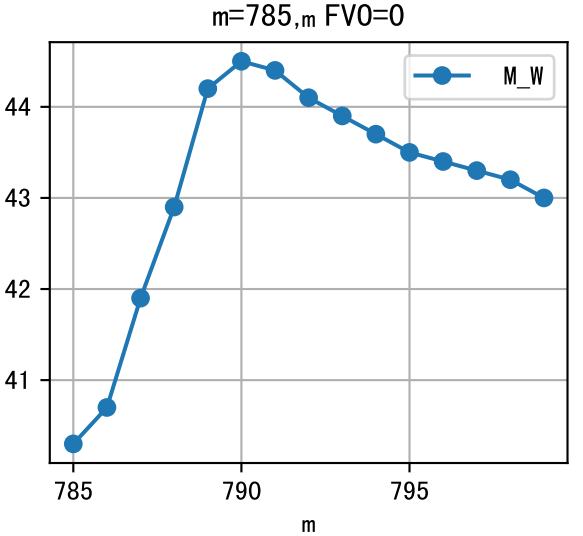

m=600,m FV0=0
M_W

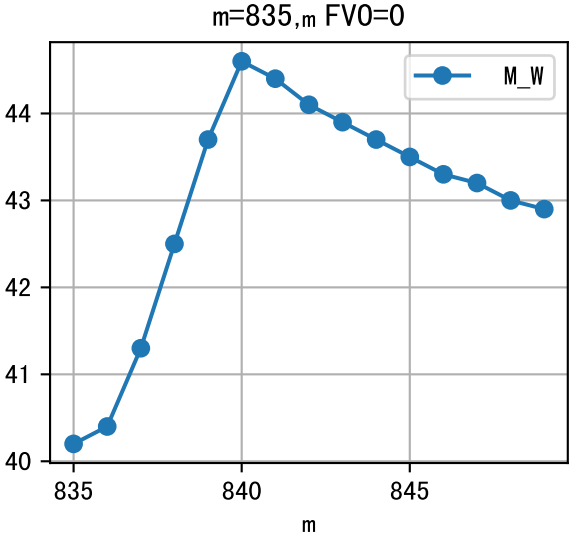

m=665,m FV0=0
M_W

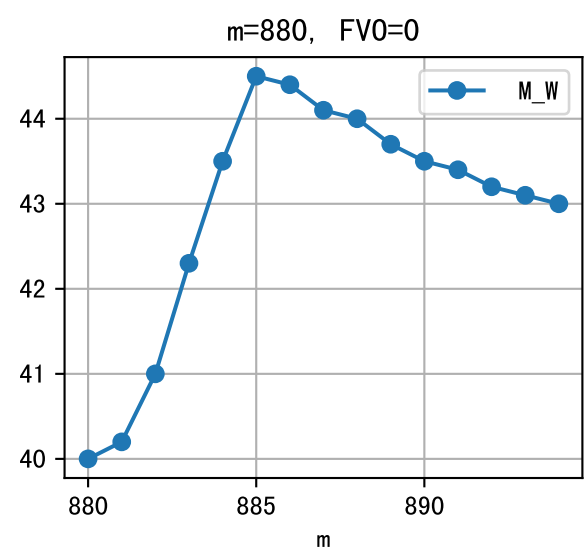

m=785,m FV0=0
M_W

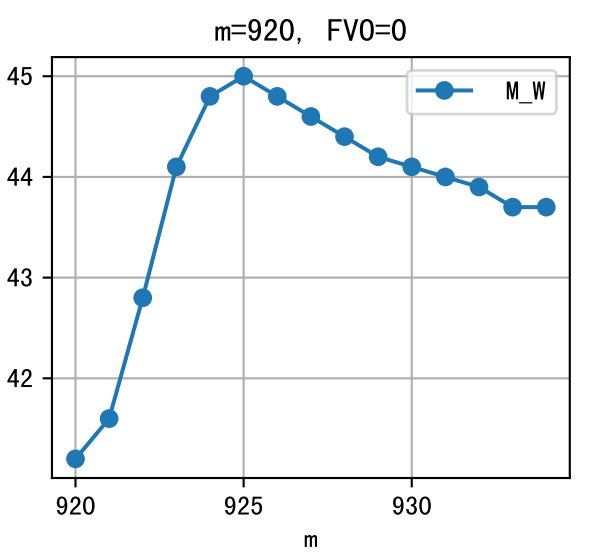

m=835,m FV0=0
M_W
m

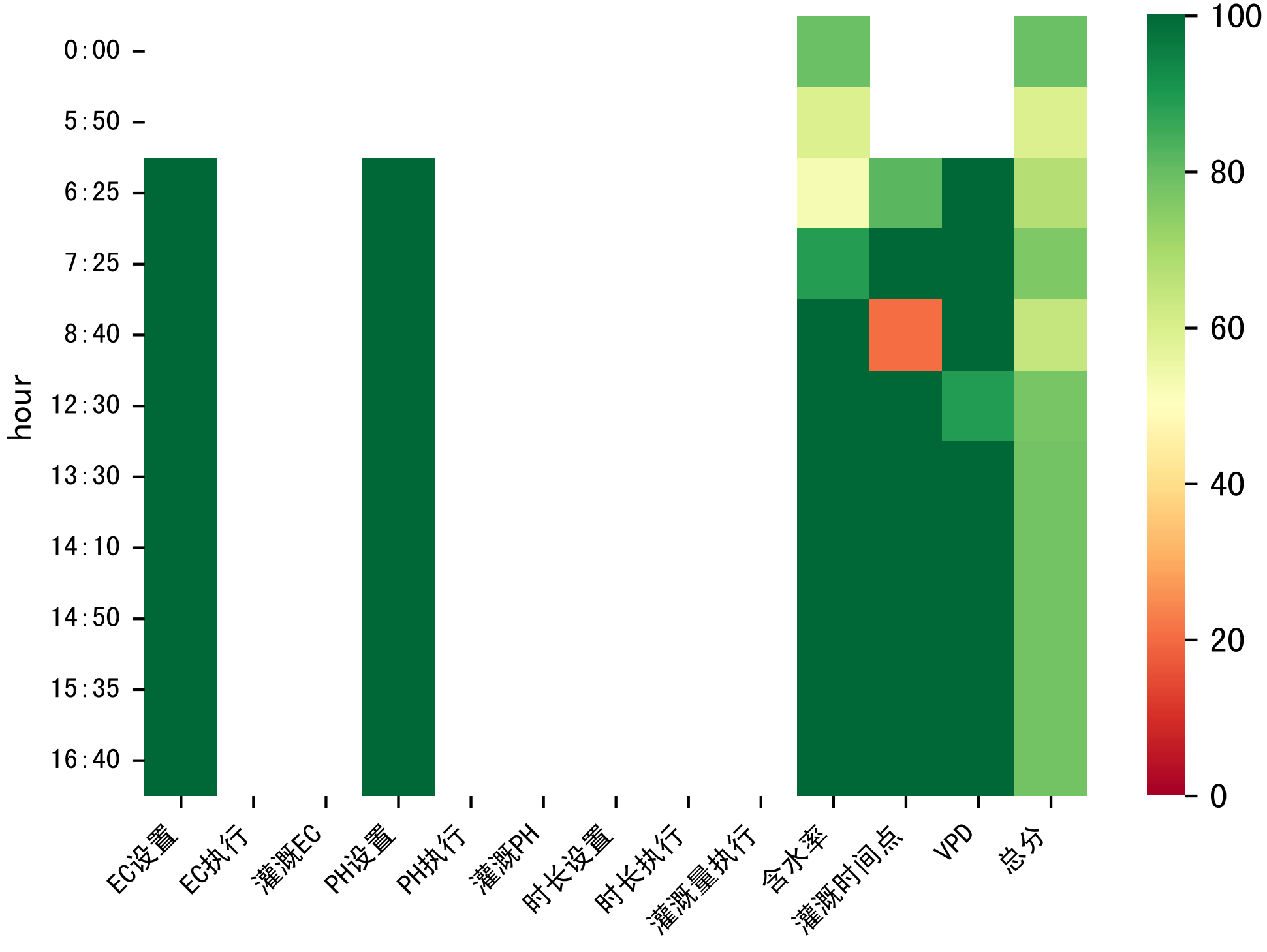

m=480,m FV0=0
M_W
m


m=530,m FV0=0
M_W
m


m=880,m FV0=0
M_W
m


m=880, FV0=0
M_W
44
43
42
41
40
880
885
890
m

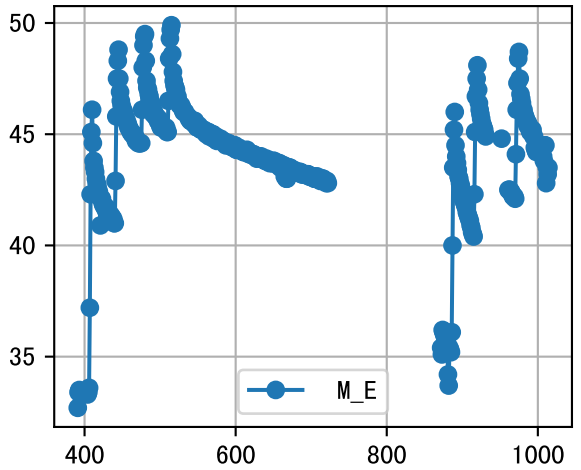

m=920, FV0=0
M_W
45
44
43
42
920
925
930
m

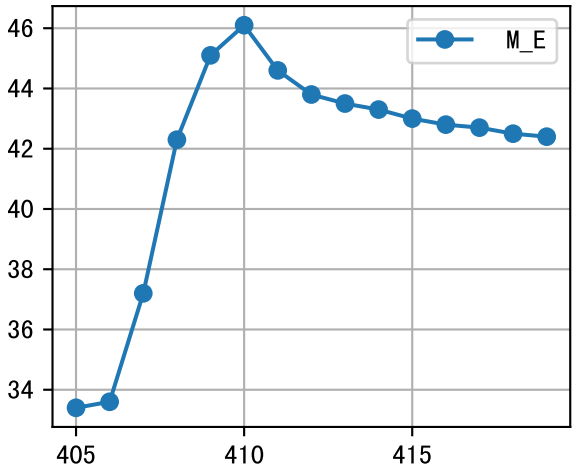

hour
0:00
5:50
6:25
7:25
8:40
12:30
13:30
14:10
14:50
15:35
16:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

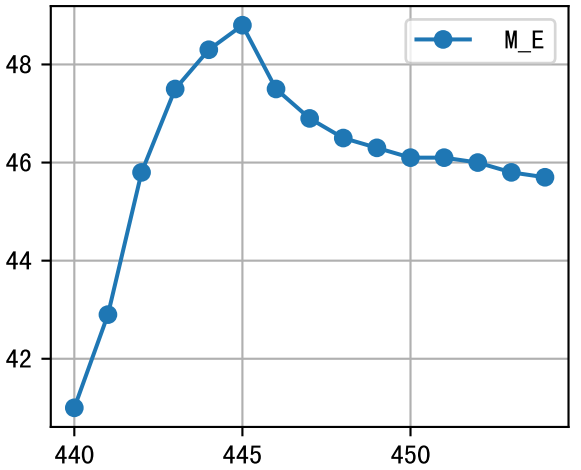
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:25	283	150.0	2.583	阴	假设@06:25 自动（未用传感器）
07:25	283	150.0	2.583	阴	假设@07:25 自动（未用传感器）
08:40	283	150.0	2.583	阴	假设@08:40 自动（未用传感器）
12:30	283	150.0	2.583	大雨	假设@12:30 自动（未用传感器）
13:30	283	150.0	2.583	阴	假设@13:30 自动（未用传感器）
14:10	283	150.0	2.583	阴	假设@14:10 自动（未用传感器）
14:50	283	150.0	2.583	阴	假设@14:50 自动（未用传感器）
15:35	283	150.0	2.583	多云	假设@15:35 自动（未用传感器）
16:40	283	150.0	2.583	多云	待执行@16:40 自动（未用传感器）
总计	2547.0 (9次)	1350.0			建议进液EC：2200， PH：6.0

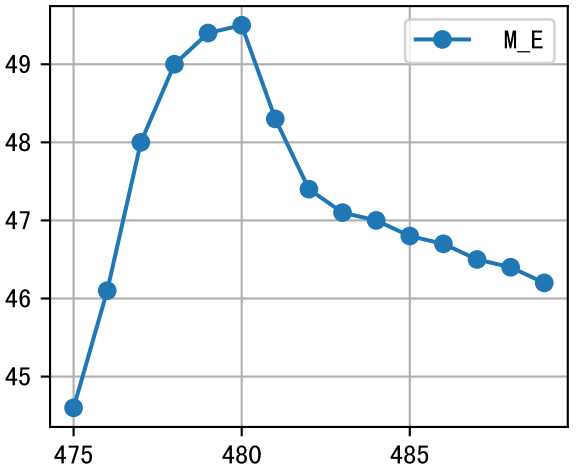
施肥机灌溉量与预期值不符 (182.0 : 150.0)，可能由于一阀多区不均匀
默认实际灌溉150.0 ml.
模型建议今天进液PH 6.005
进回液EC差(1803.0 vs 5283.0)过高
模型建议今天进液EC 2200.0

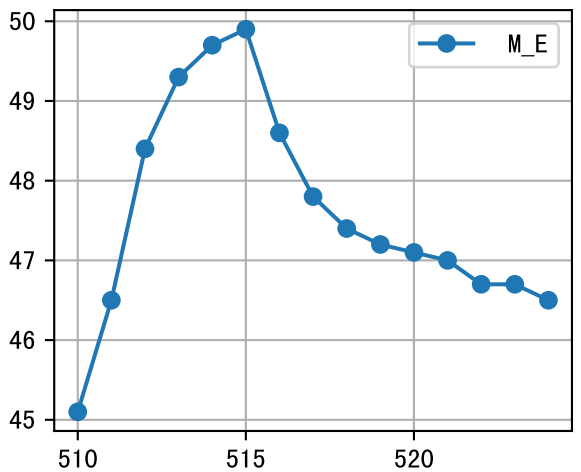
P3-8_0, Day=75 (2025-06-12)

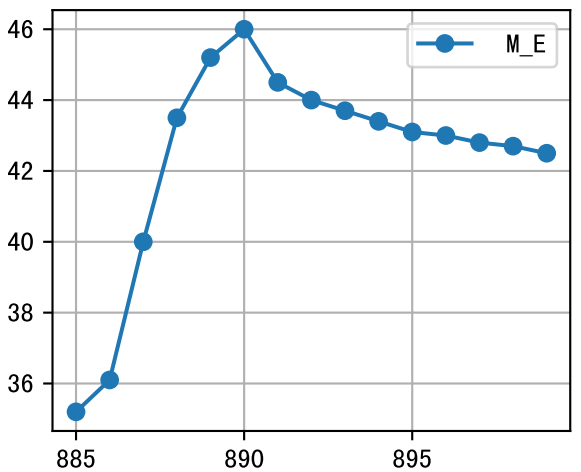

M_E

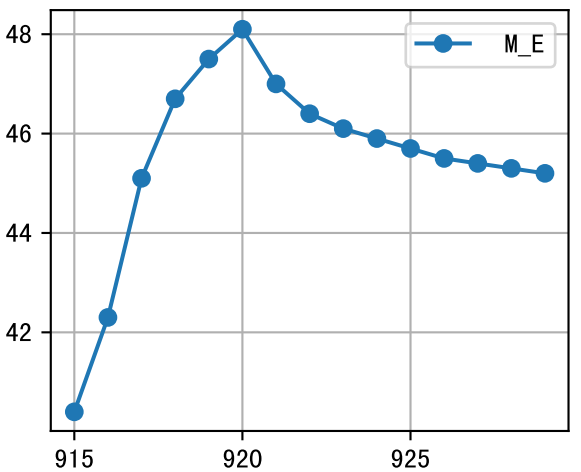

m=405, FV0=0
M_E

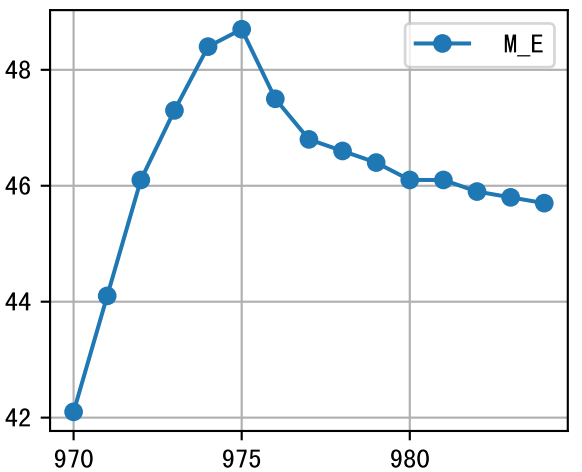

m=440, FV0=0
M_E

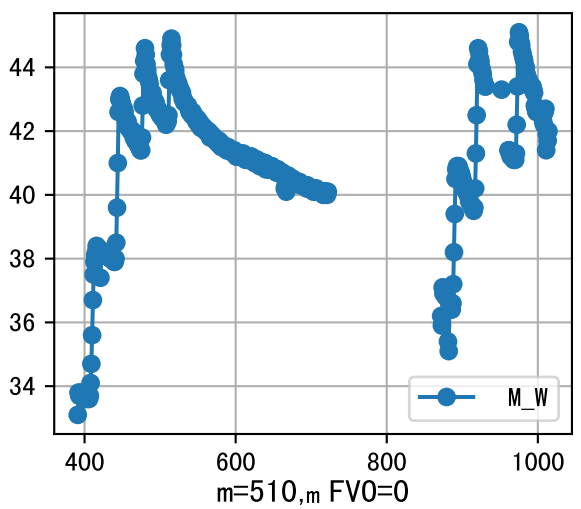

m=475, FV0=0
M_E

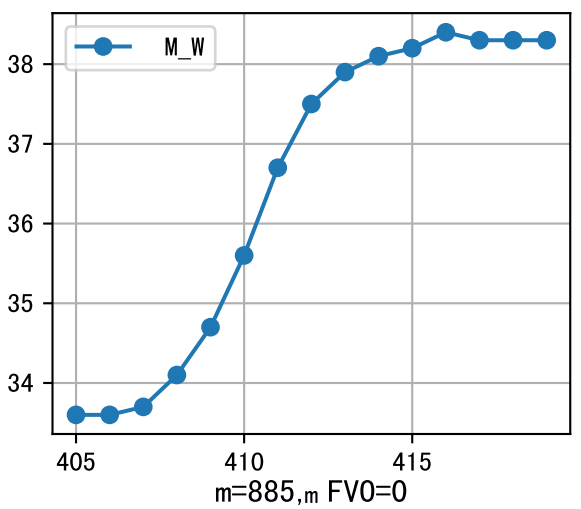

m=510,m FV0=0
M_E
m

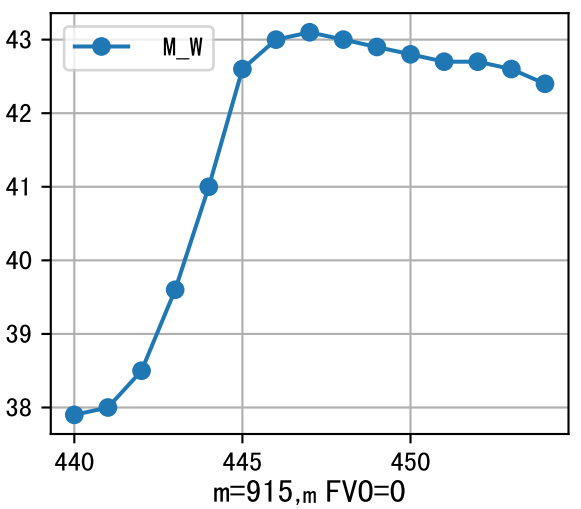

m=885,m FV0=0
M_E
m=405,m FV0=0

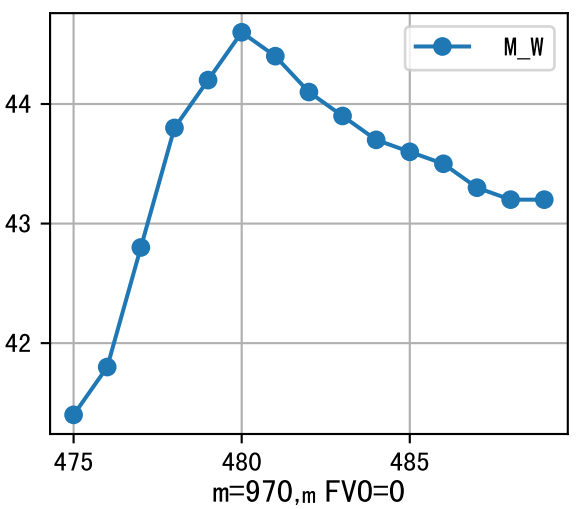

m=915,m FV0=0
M_E
m=440,m FV0=0

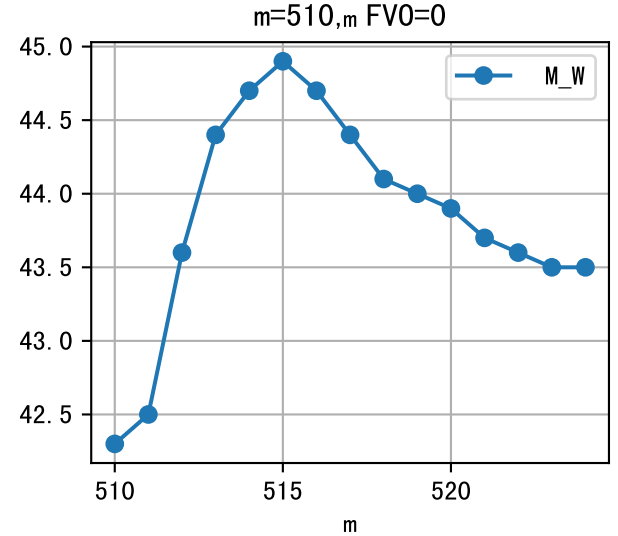

m=970,m FV0=0
M_E
m=475,m FV0=0

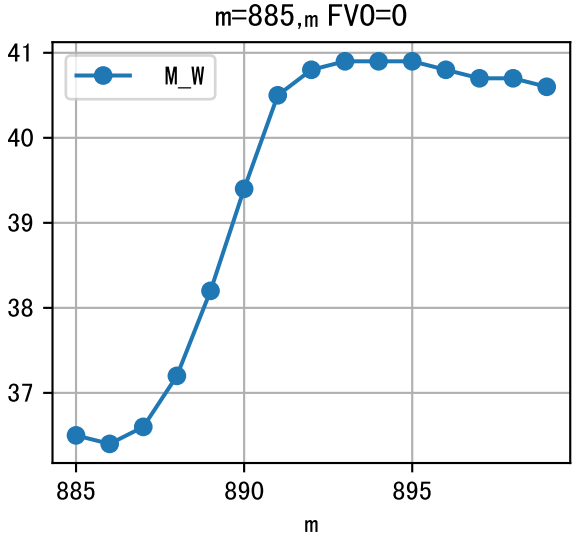

M_W

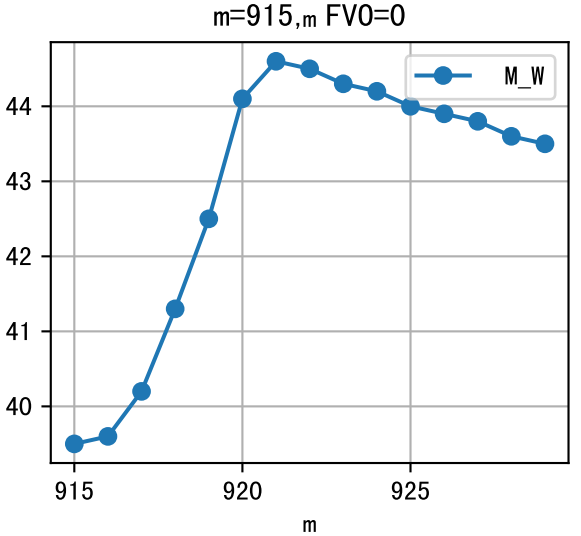

M_W

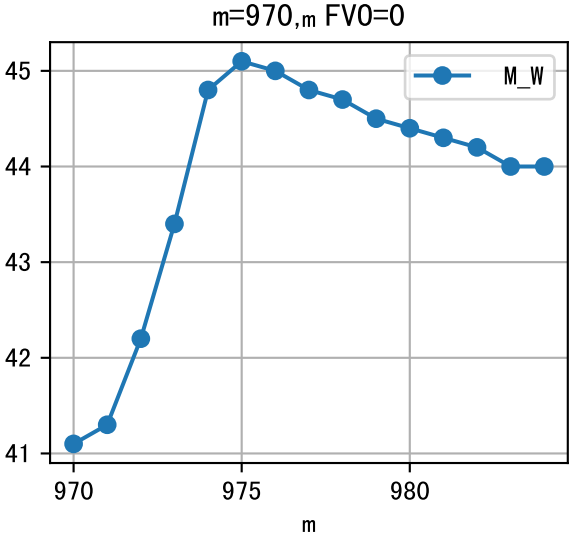

M_W

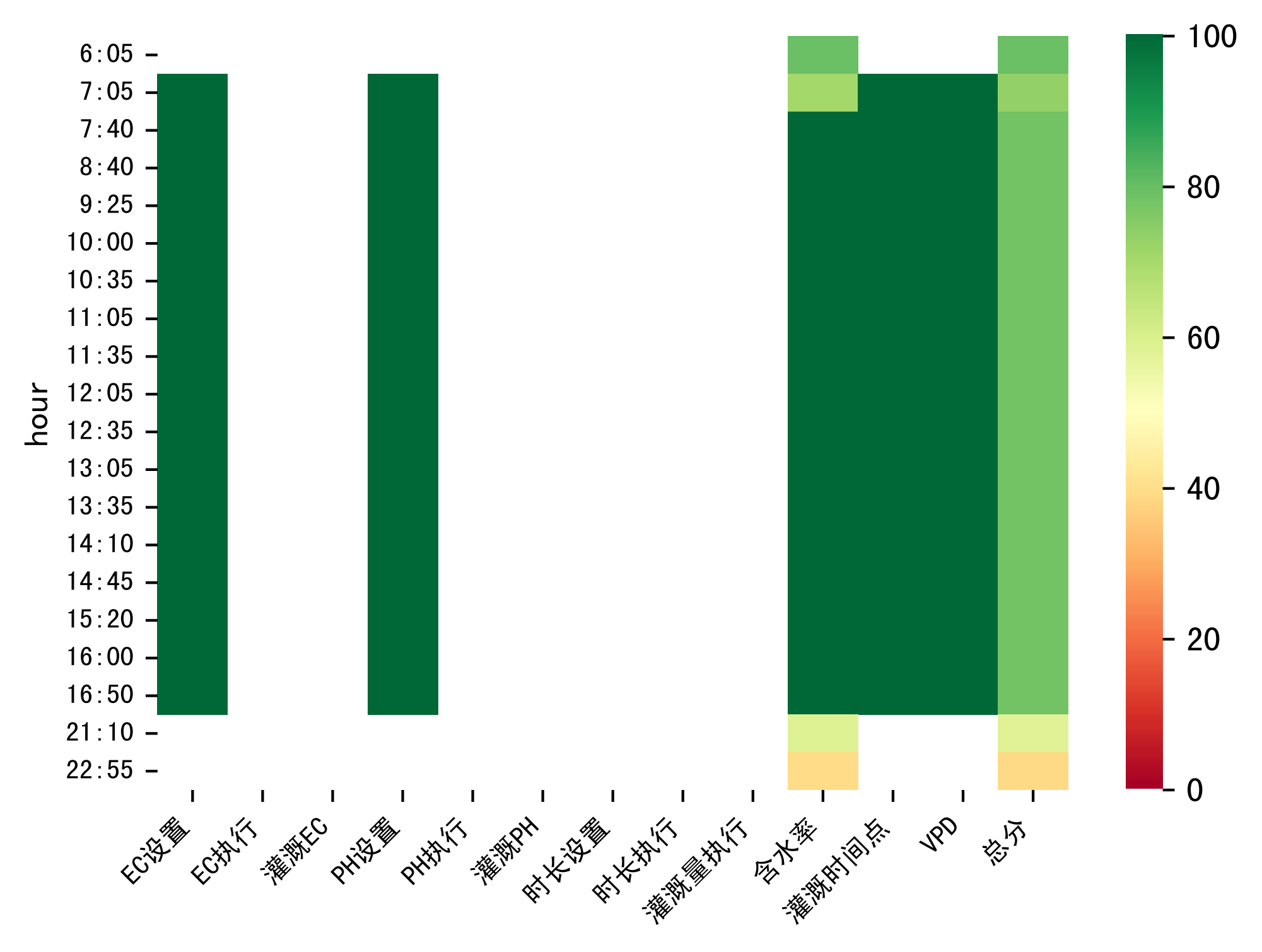

M_W


m=510,m FV0=0
M_W
m


m=885,m FV0=0
M_W
m


m=915,m FV0=0
M_W
m

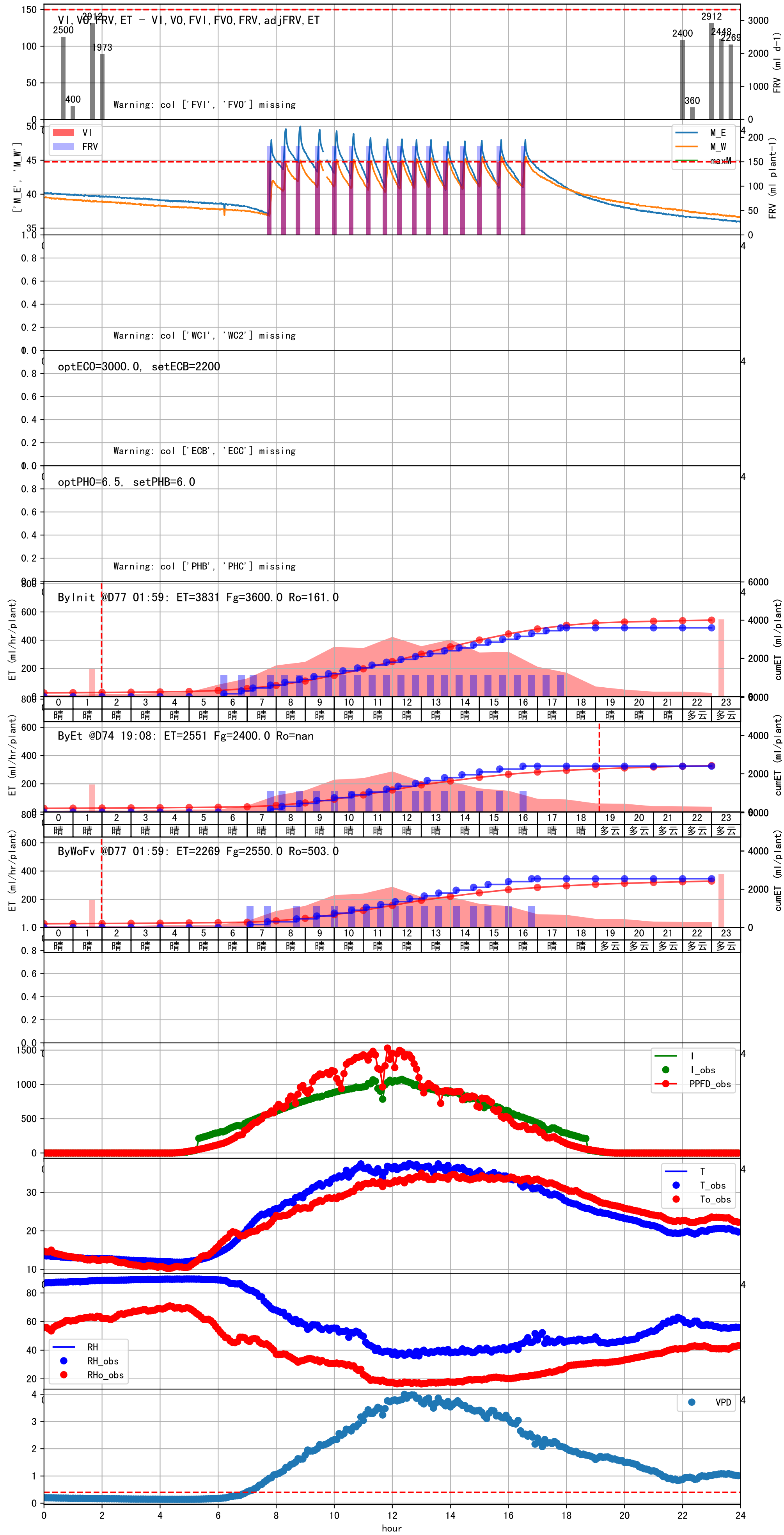

m=970,m FV0=0
M_W
m

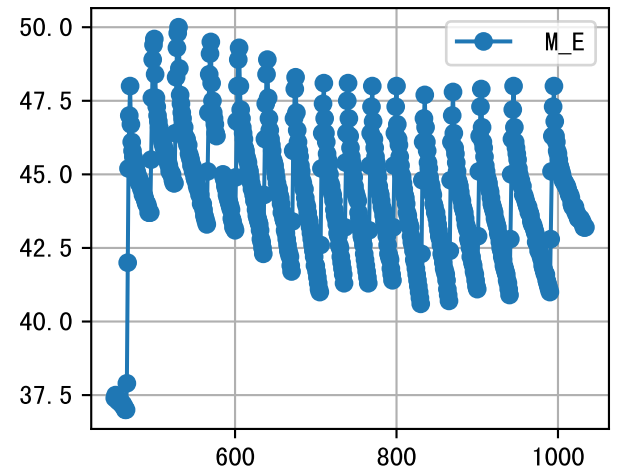

hour
6:05
7:05
7:40
8:40
9:25
10:00
10:35
11:05
11:35
12:05
12:35
13:05
13:35
14:10
14:45
15:20
16:00
16:50
21:10
22:55
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

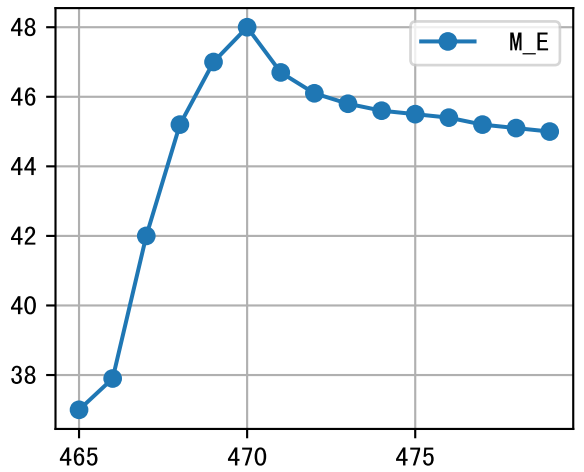
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:05	283	150.0	2.583	晴	假设@07:05 自动（未用传感器）
07:40	283	150.0	2.583	晴	假设@07:40 自动（未用传感器）
08:40	283	150.0	2.583	晴	假设@08:40 自动（未用传感器）
09:25	283	150.0	2.583	晴	假设@09:25 自动（未用传感器）
10:00	283	150.0	2.583	晴	假设@10:00 自动（未用传感器）
10:35	283	150.0	2.583	晴	假设@10:35 自动（未用传感器）
11:05	283	150.0	2.583	晴	假设@11:05 自动（未用传感器）
11:35	283	150.0	2.583	晴	假设@11:35 自动（未用传感器）
12:05	283	150.0	2.583	晴	假设@12:05 自动（未用传感器）
12:35	283	150.0	2.583	晴	假设@12:35 自动（未用传感器）
13:05	283	150.0	2.583	晴	假设@13:05 自动（未用传感器）
13:35	283	150.0	2.583	晴	假设@13:35 自动（未用传感器）
14:10	283	150.0	2.583	晴	假设@14:10 自动（未用传感器）
14:45	283	150.0	2.583	晴	假设@14:45 自动（未用传感器）
15:20	283	150.0	2.583	晴	假设@15:20 自动（未用传感器）
16:00	283	150.0	2.583	晴	假设@16:00 自动（未用传感器）
16:50	283	150.0	2.583	晴	假设@16:50 自动（未用传感器）
总计	4811.0 (17次)	2550.0			建议进液EC：2200， PH：6.0

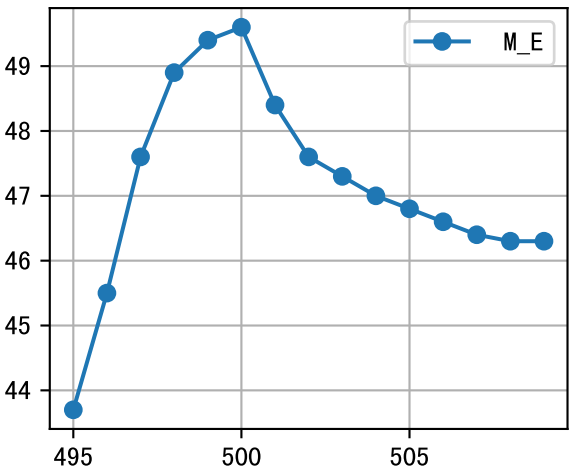
模型建议今天进液PH 6.005
进回液EC差(1847.0 vs 5247.0)过高
模型建议今天进液EC 2200.0

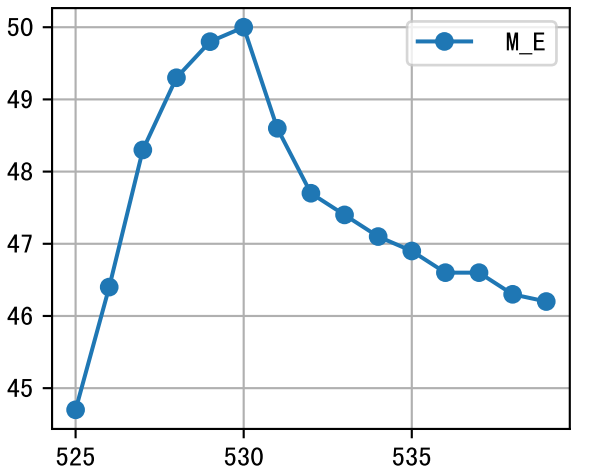
P3-8_0, Day=74 (2025-06-11)

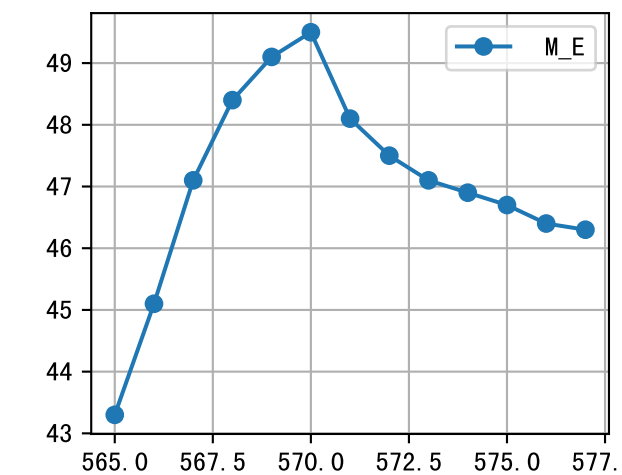


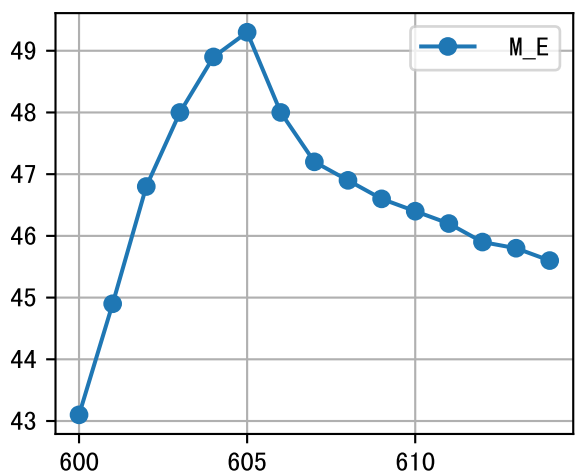

M_E
50.0
47.5
45.0
42.5
40.0
37.5
600
800
1000

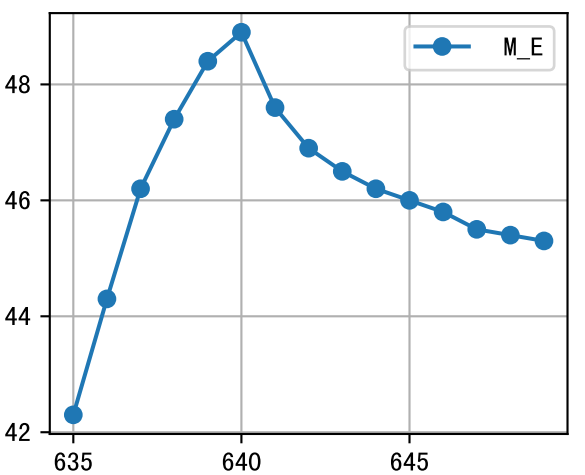

m=465, FV0=0
M_E
48
46
44
42
40
38
465
470
475

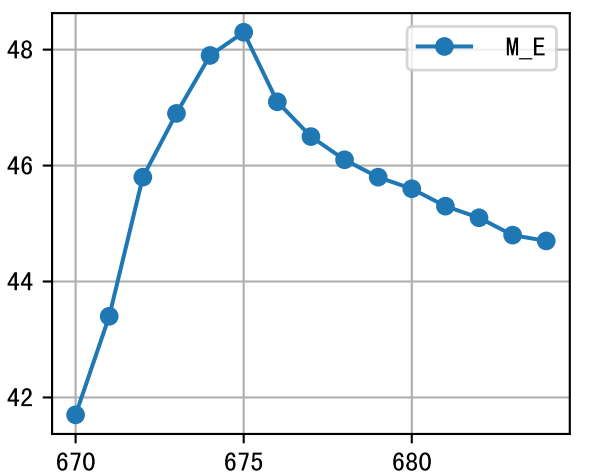

m=495, FV0=0
M_E
49
48
47
46
45
44
495
500
505

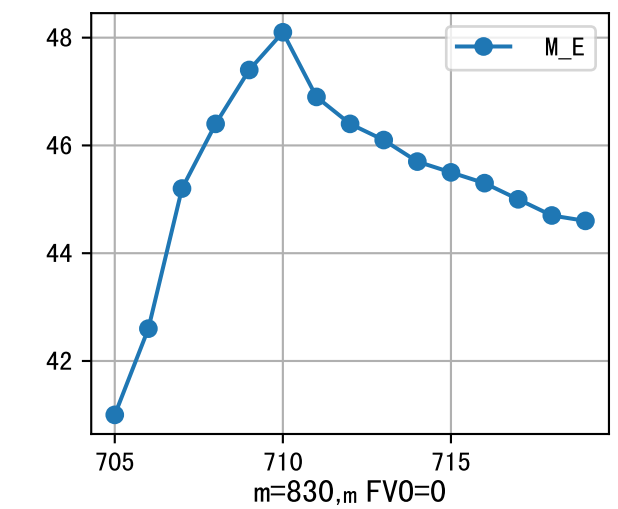

m=525, FV0=0
M_E
50
49
48
47
46
45
525
530
535

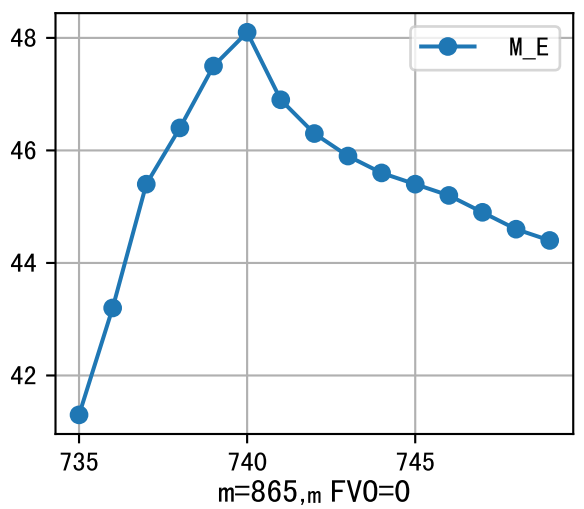

m=565,m FV0=0
M_E
49
48
47
46
45
44
43
565.0
567.5
570.0
572.5
575.0
577.5
m=705,m FV0=0

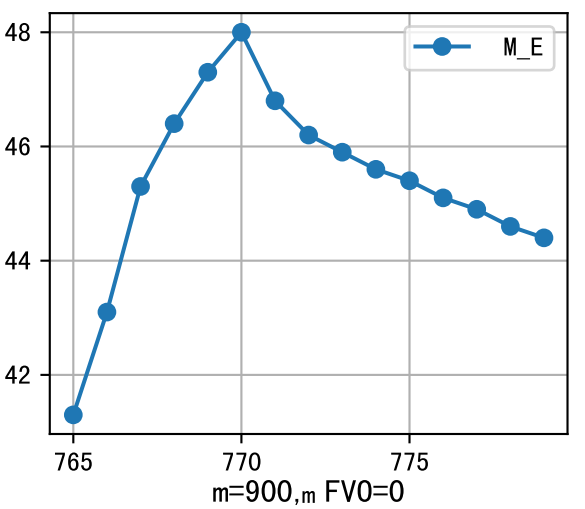

m=600,m FV0=0
M_E
49
48
47
46
45
44
43
600
605
610
m=735,m FV0=0

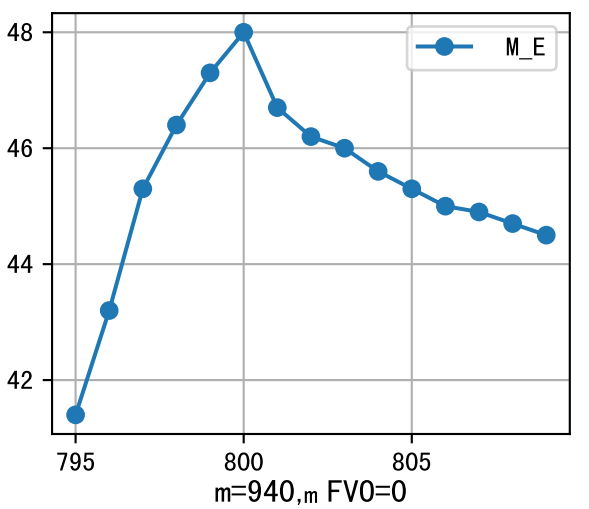

m=635,m FV0=0
M_E
48
46
44
42
635
640
645
m=765,m FV0=0

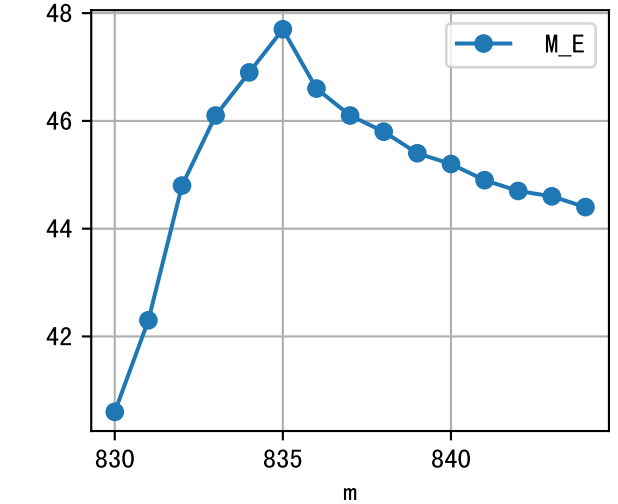

m=670,m FV0=0
M_E
48
46
44
42
670
675
680
m=795,m FV0=0

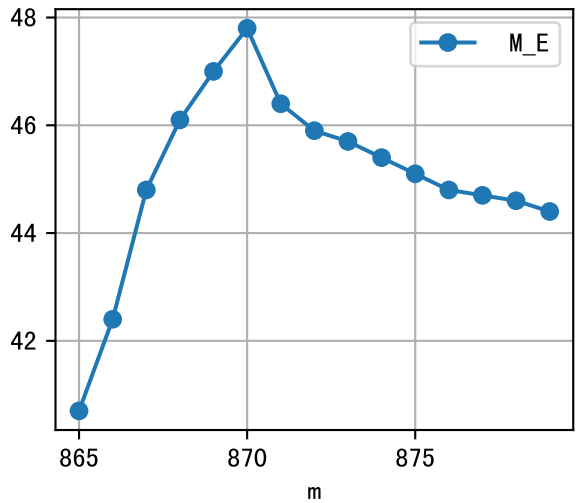

M_E
48
46
44
42
705
710
715
m=830,m FV0=0

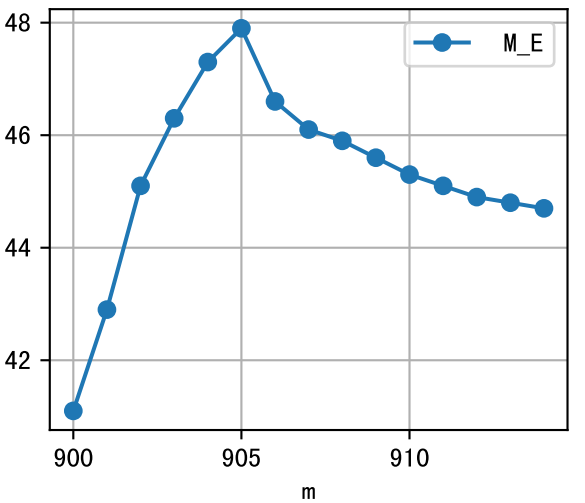

M_E
48
46
44
42
735
740
745
m=865,m FV0=0

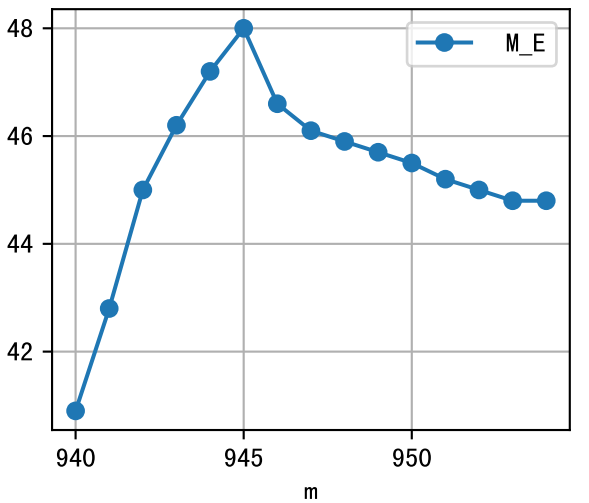

M_E
48
46
44
42
765
770
775
m=900,m FV0=0


M_E
48
46
44
42
795
800
805
m=940,m FV0=0

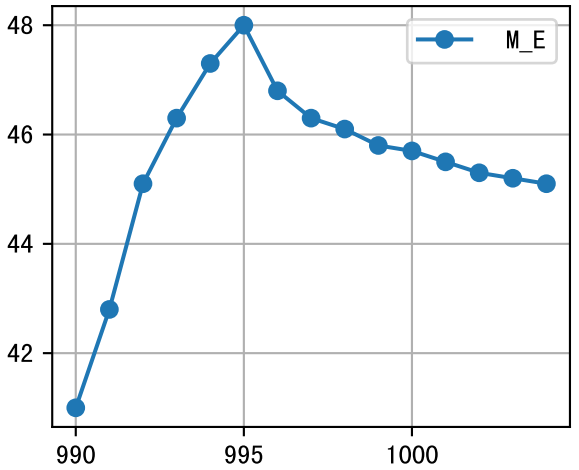

M_E
48
46
44
42
830
835
840
m

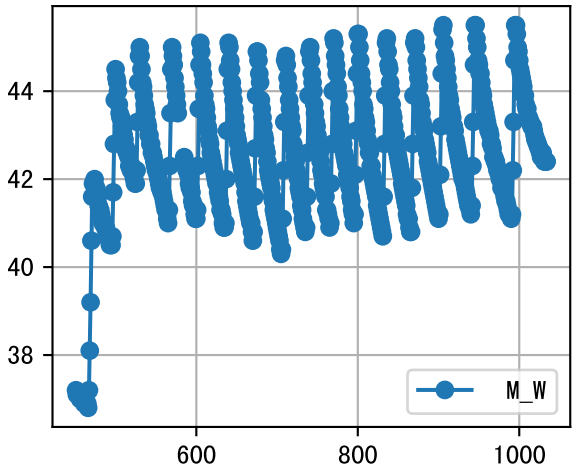

M_E
48
46
44
42
865
870
875
m


M_E
48
46
44
42
900
905
910
m

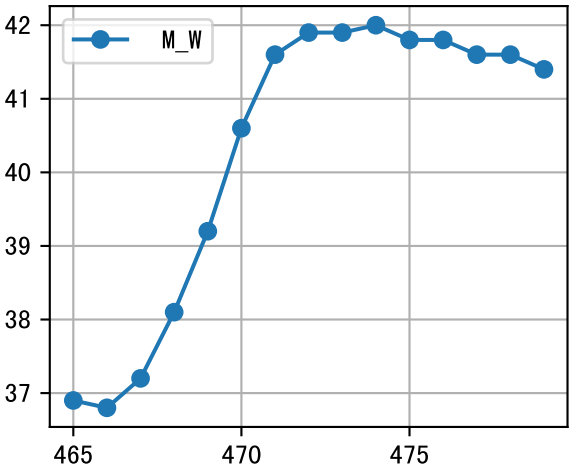

M_E
48
46
44
42
940
945
950
m

m=990, FV0=0

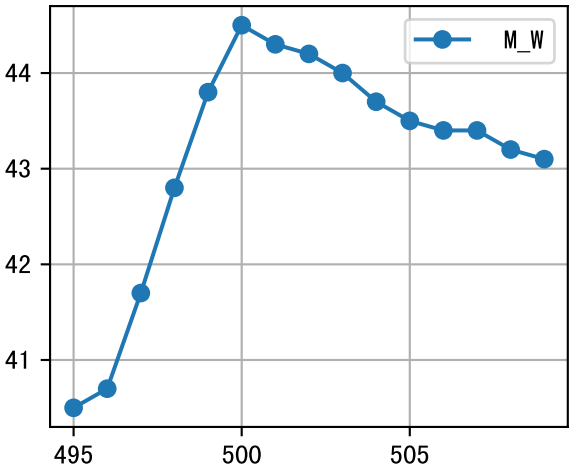




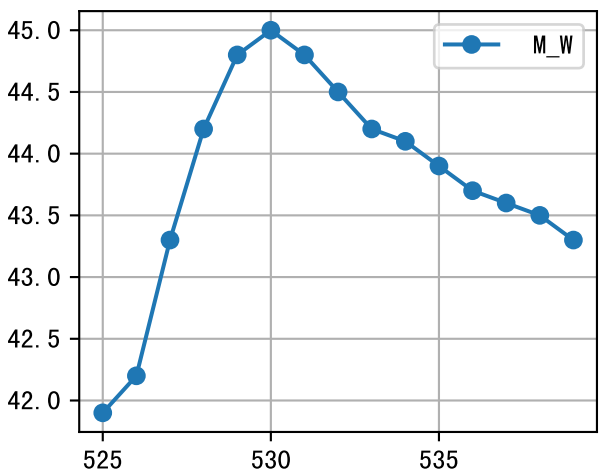
m=465, FV0=0



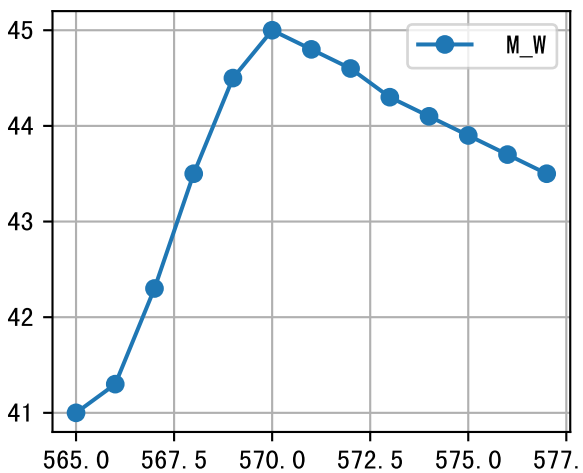
m=495, FV0=0



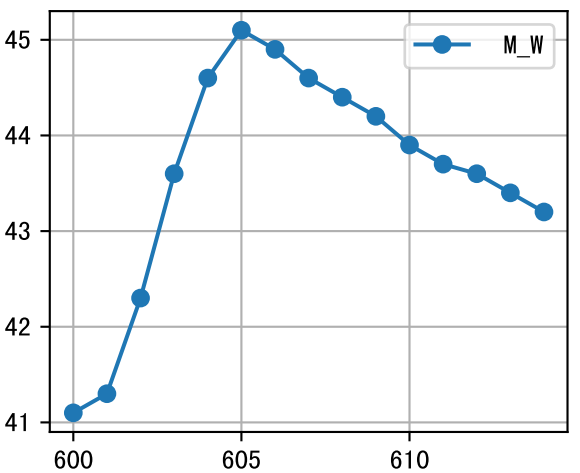
m=525,m FV0=0



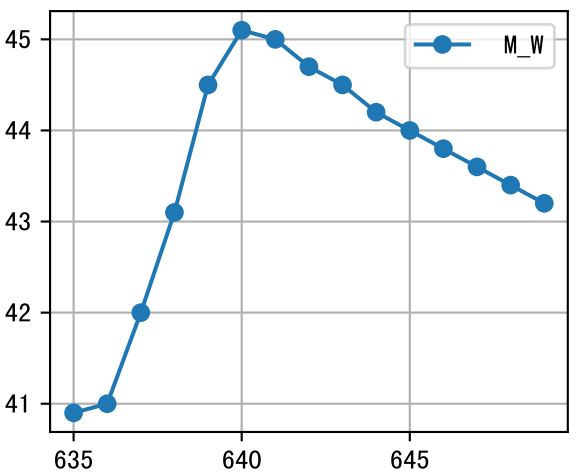
m=565,m FV0=0



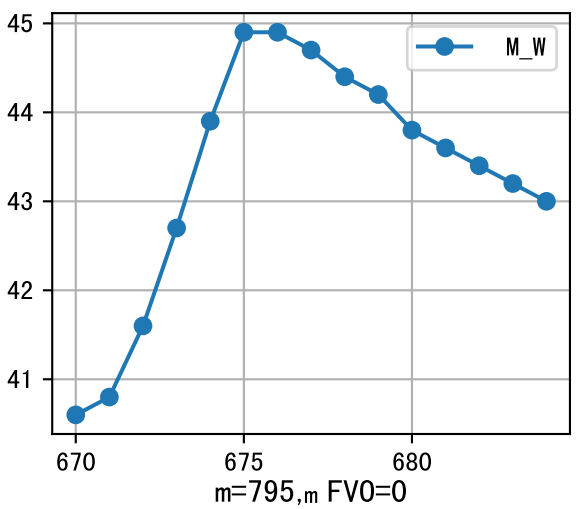
m=600,m FV0=0



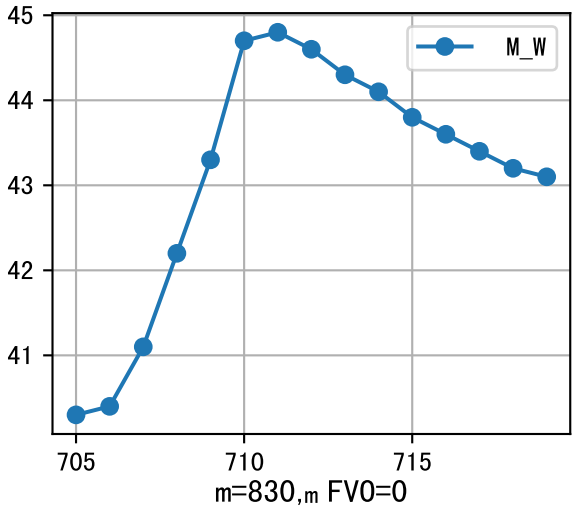
m=635,m FV0=0



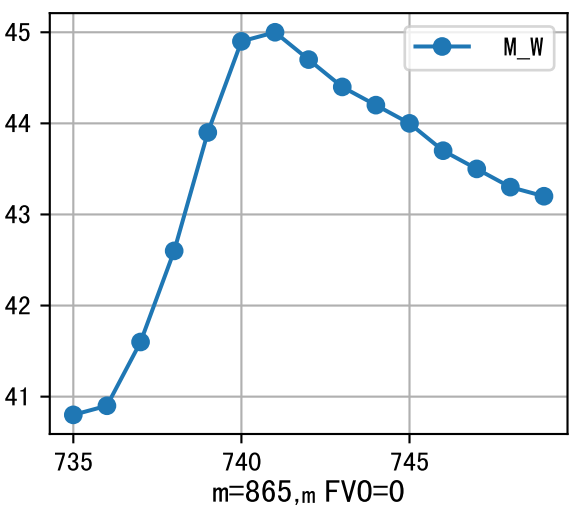
m=670,m FV0=0



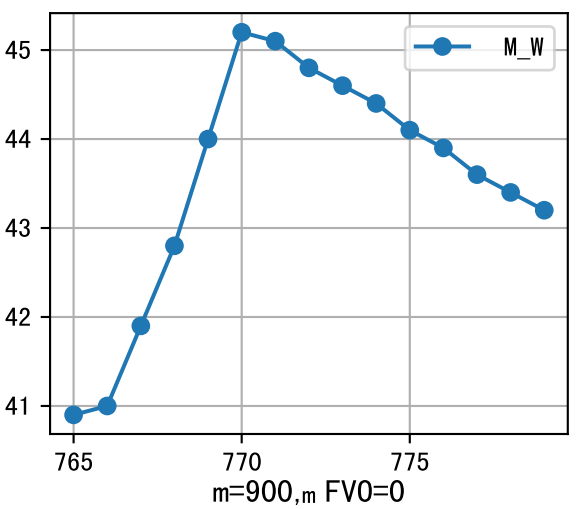
m=705,m FV0=0



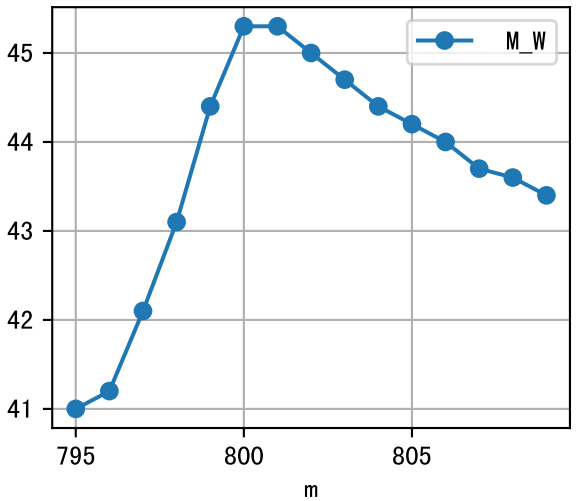
m=735,m FV0=0



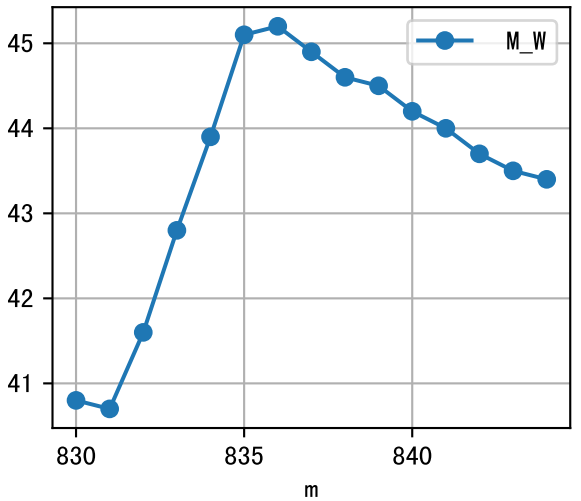
m=765,m FV0=0



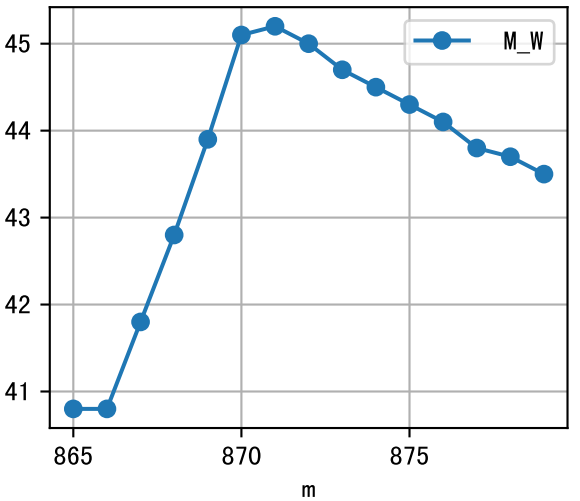
m=795,m FV0=0



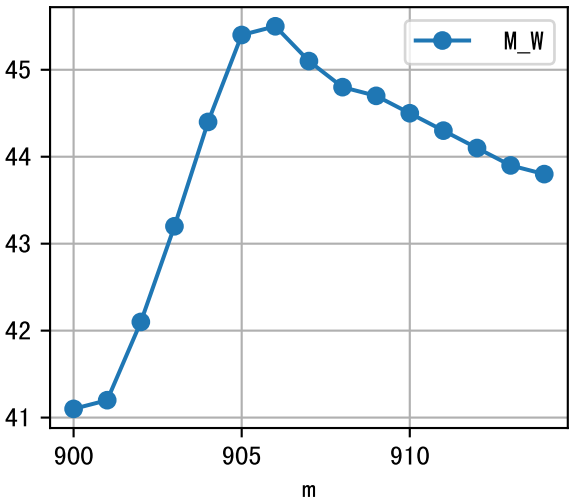
m=830,m FV0=0

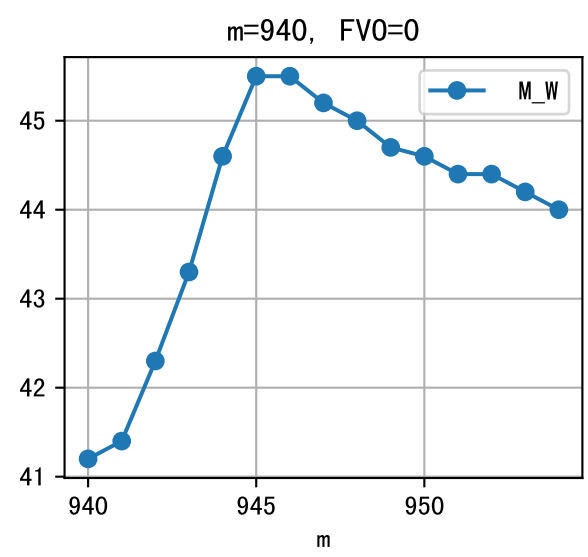


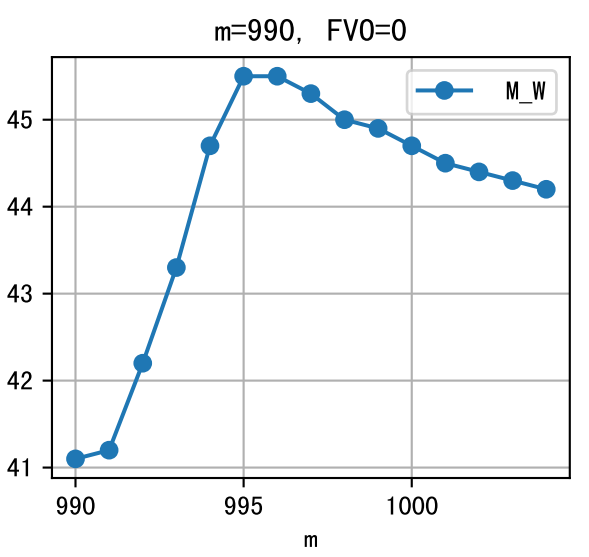
m=865,m FV0=0

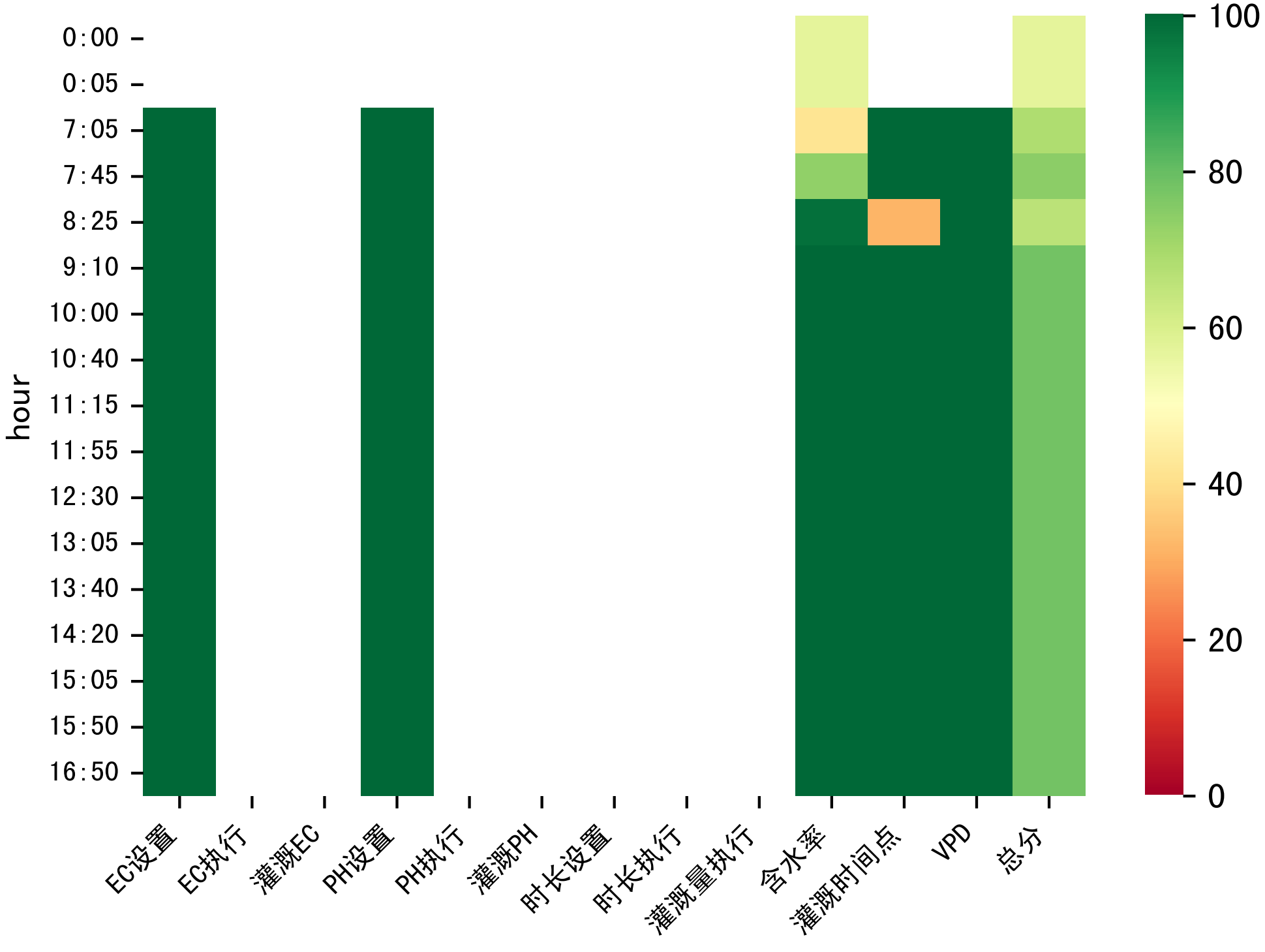


m=900,m FV0=0




m=940， FV0=0
M_W
45
44
43
42
41
940
945
950
m

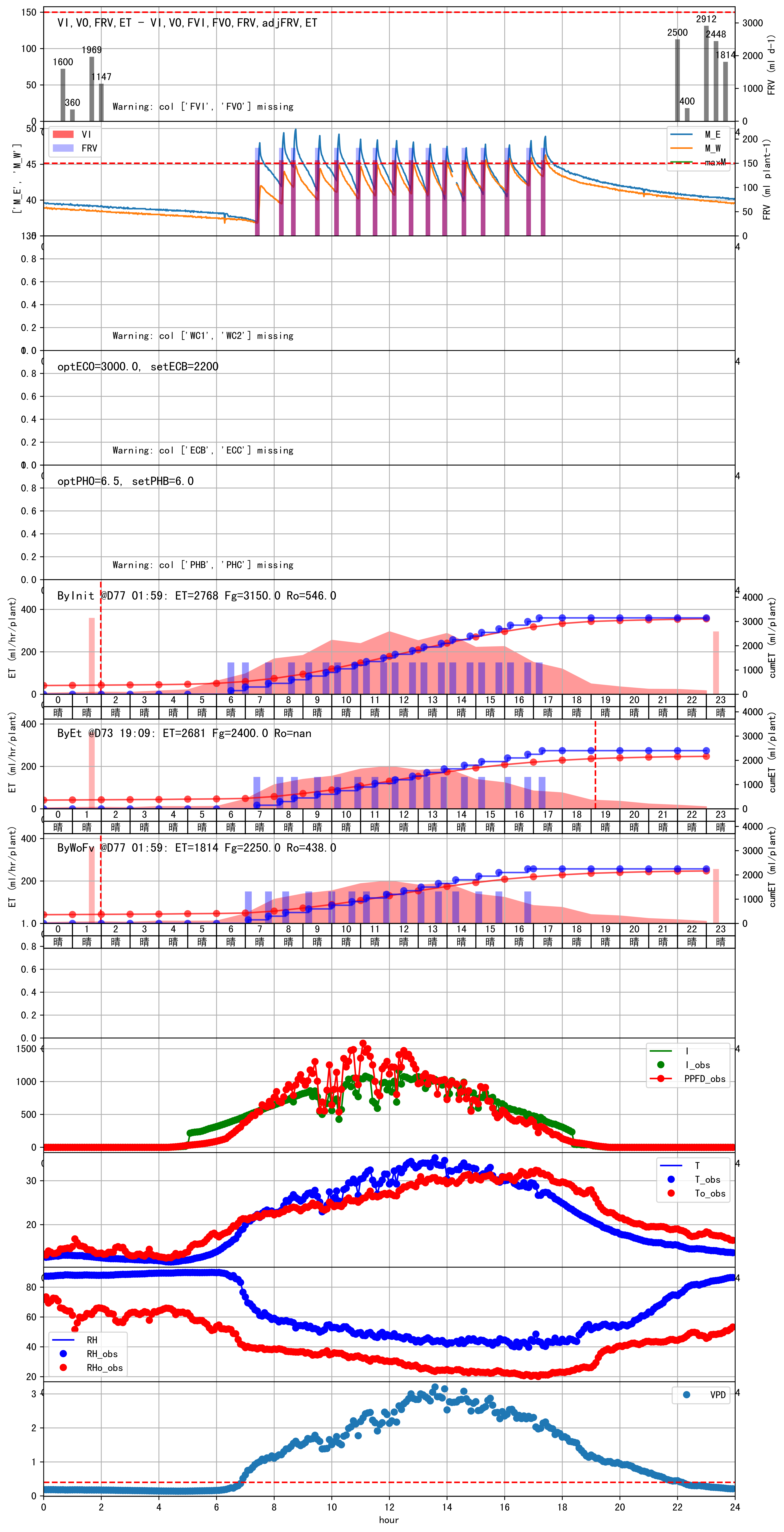

m=990， FV0=0
M_W
45
44
43
42
41
990
995
1000
m

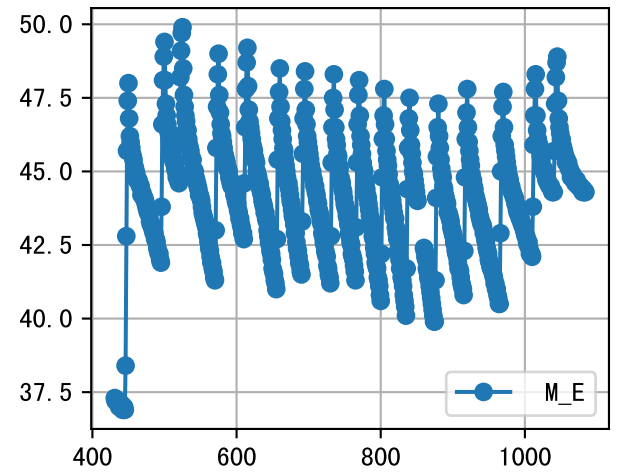

hour
0:00
0:05
7:05
7:45
8:25
9:10
10:00
10:40
11:15
11:55
12:30
13:05
13:40
14:20
15:05
15:50
16:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

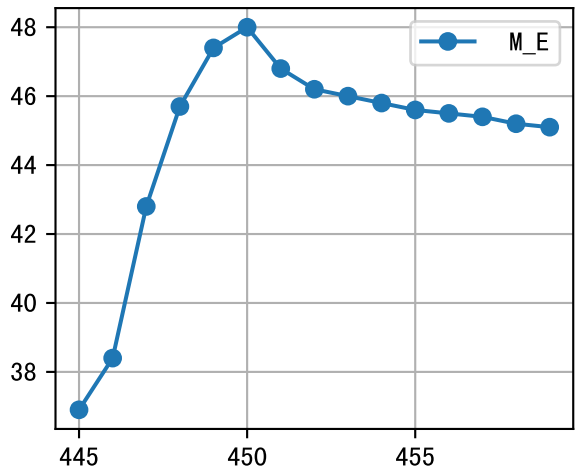
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:05	283	150.0	2.583	晴	假设@07:05 自动（未用传感器）
07:45	283	150.0	2.583	晴	假设@07:45 自动（未用传感器）
08:25	283	150.0	2.583	晴	假设@08:25 自动（未用传感器）
09:10	283	150.0	2.583	晴	假设@09:10 自动（未用传感器）
10:00	283	150.0	2.583	晴	假设@10:00 自动（未用传感器）
10:40	283	150.0	2.583	晴	假设@10:40 自动（未用传感器）
11:15	283	150.0	2.583	晴	假设@11:15 自动（未用传感器）
11:55	283	150.0	2.583	晴	假设@11:55 自动（未用传感器）
12:30	283	150.0	2.583	晴	假设@12:30 自动（未用传感器）
13:05	283	150.0	2.583	晴	假设@13:05 自动（未用传感器）
13:40	283	150.0	2.583	晴	假设@13:40 自动（未用传感器）
14:20	283	150.0	2.583	晴	假设@14:20 自动（未用传感器）
15:05	283	150.0	2.583	晴	假设@15:05 自动（未用传感器）
15:50	283	150.0	2.583	晴	假设@15:50 自动（未用传感器）
16:50	283	150.0	2.583	晴	假设@16:50 自动（未用传感器）
总计	4245.0 (15次)	2250.0			建议进液EC：2200， PH：6.0

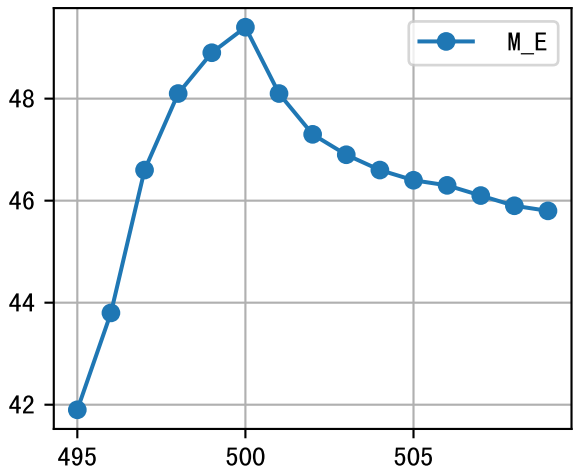
模型建议今天进液PH 6.005
进回液EC差(1887.0 vs 5357.0)过高
模型建议今天进液EC 2200.0

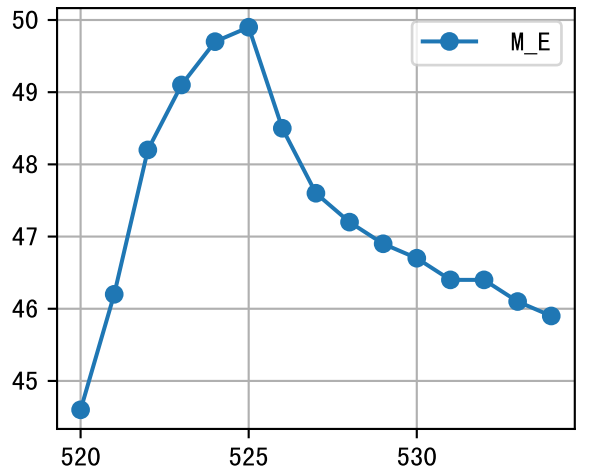
P3-8_0, Day=73 (2025-06-10)

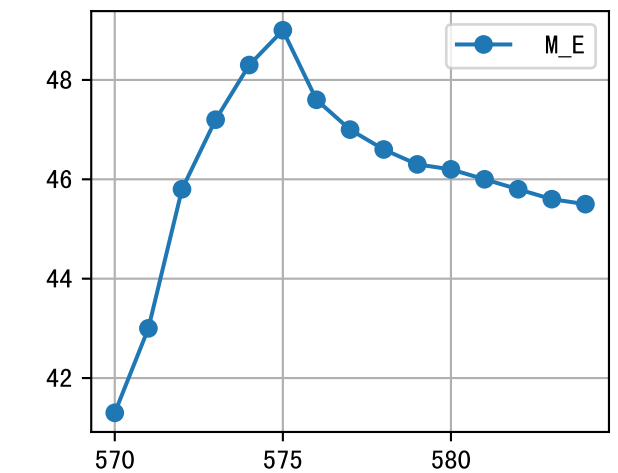


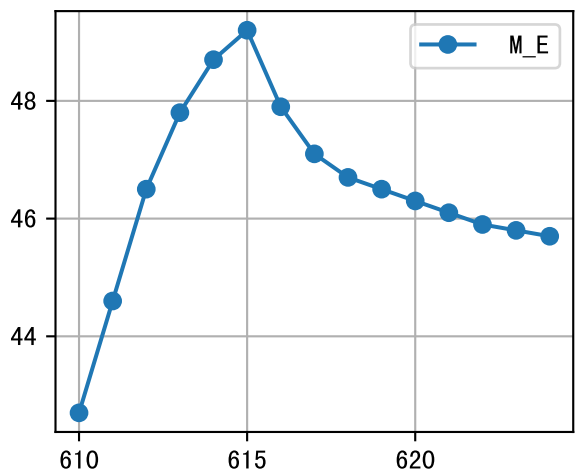

M_E

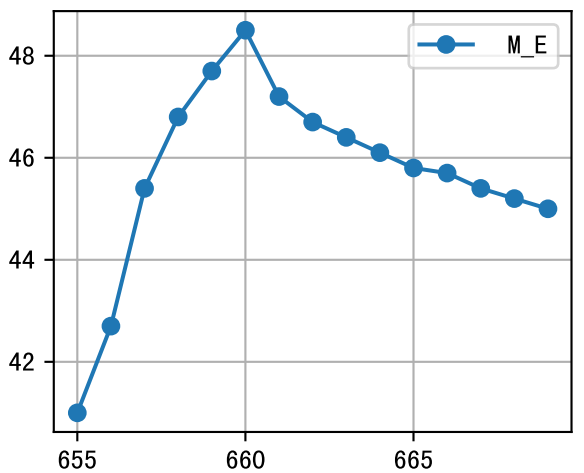

m=445, FV0=0
M_E

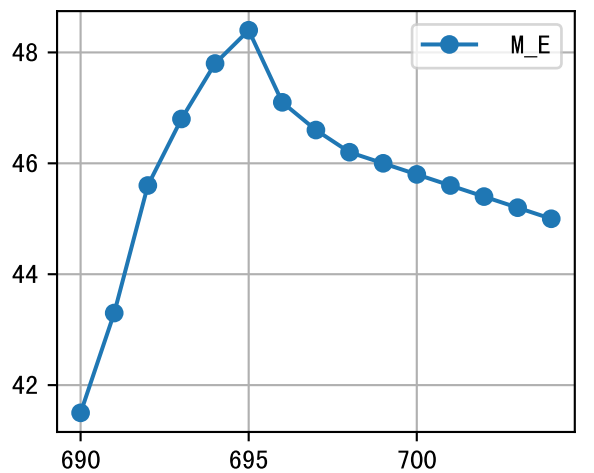

m=495, FV0=0
M_E

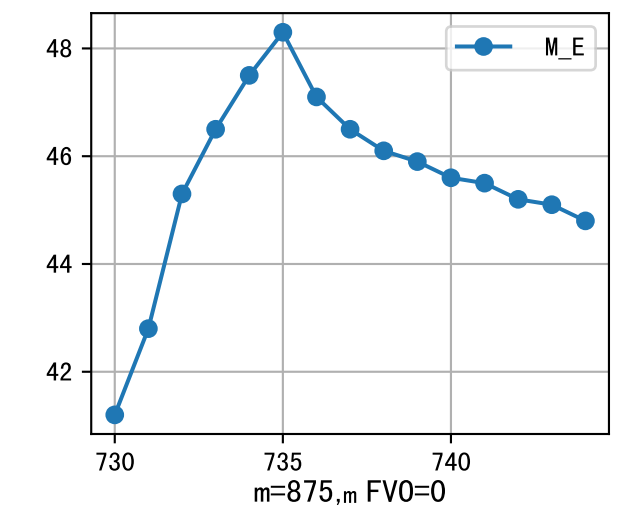

m=520, FV0=0
M_E

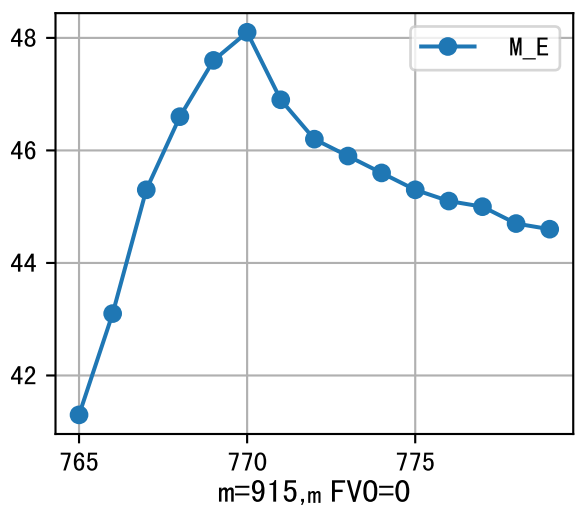

m=570,m FV0=0
M_E

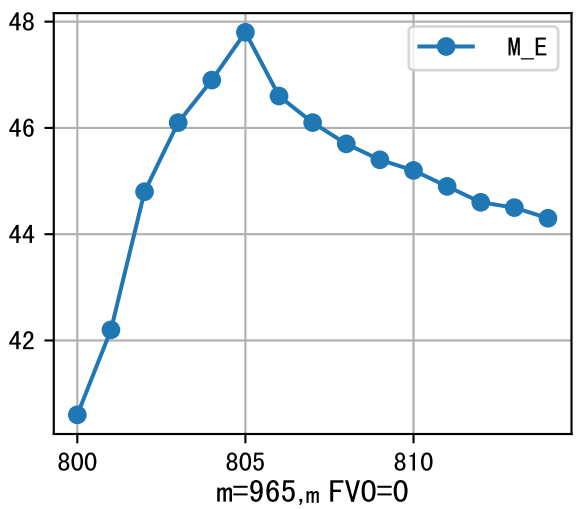

m=610,m FV0=0
M_E

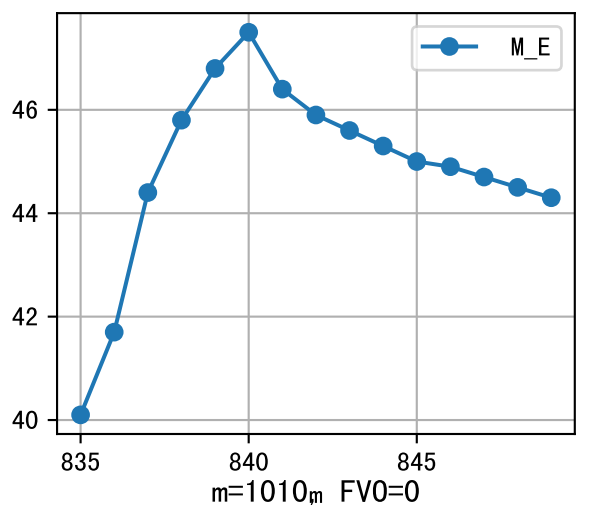

m=655,m FV0=0
M_E

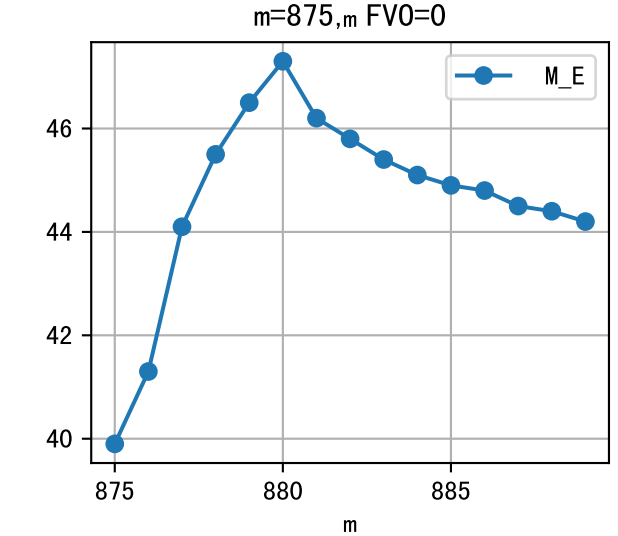

m=690,m FV0=0
M_E

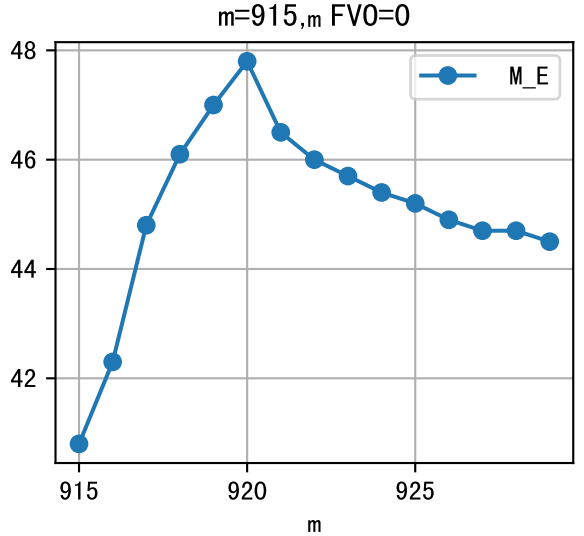

m=730,m FV0=0
M_E

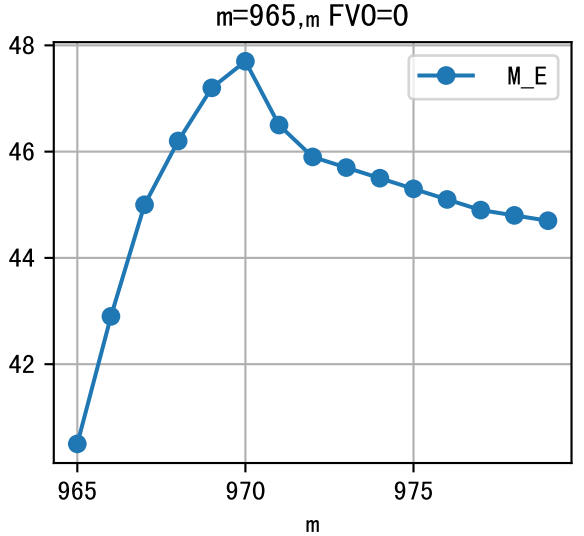

m=765,m FV0=0
M_E

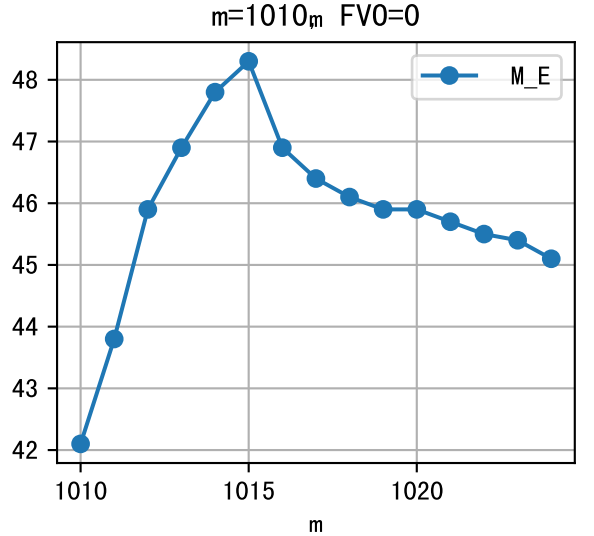

m=800,m FV0=0
M_E


m=835,m FV0=0
M_E


m=875,m FV0=0
M_E
m


m=915,m FV0=0
M_E
m


m=965,m FV0=0
M_E
m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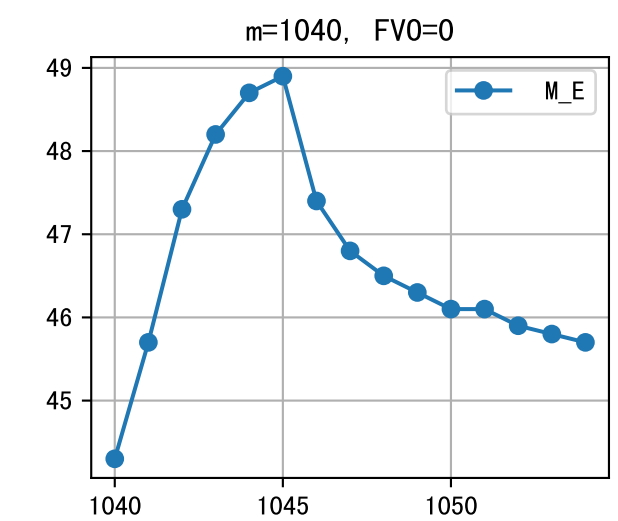
M_E
m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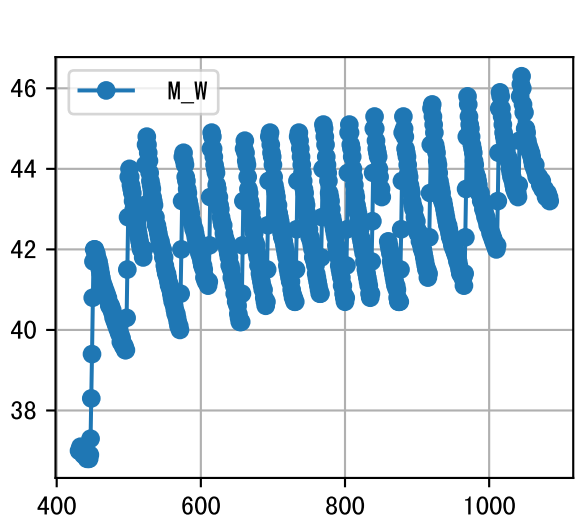
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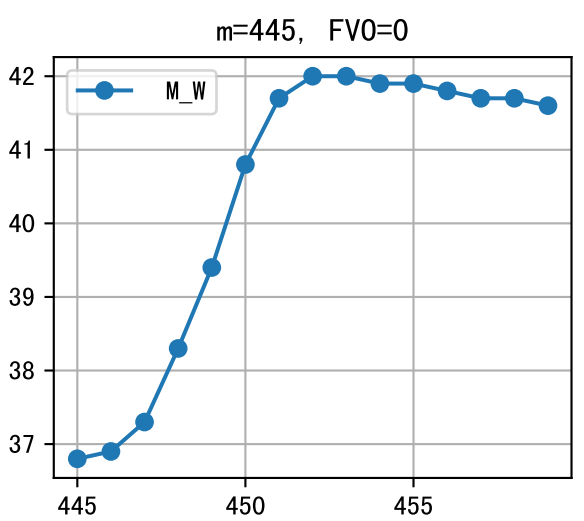
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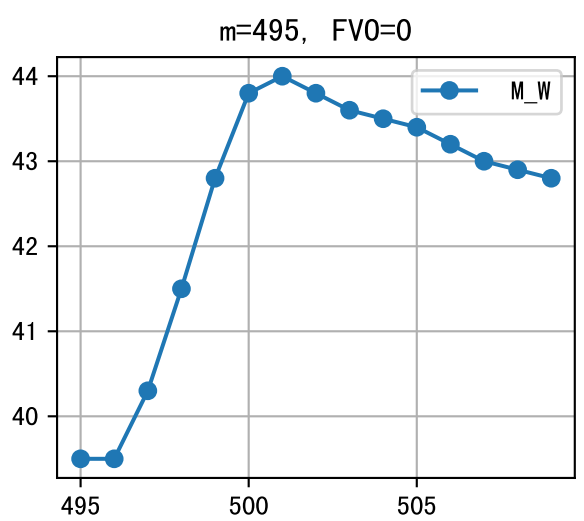
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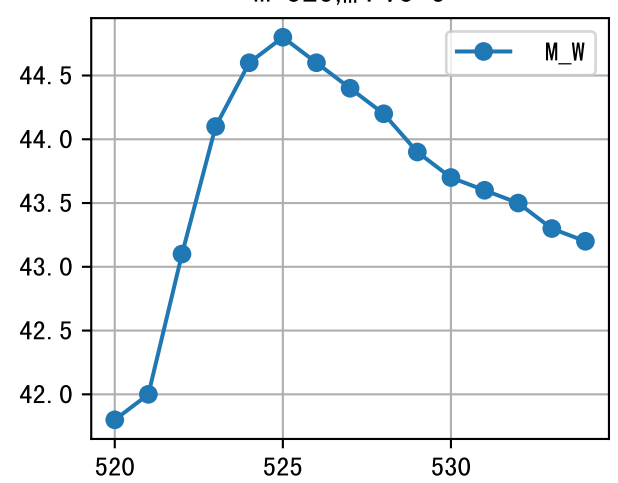
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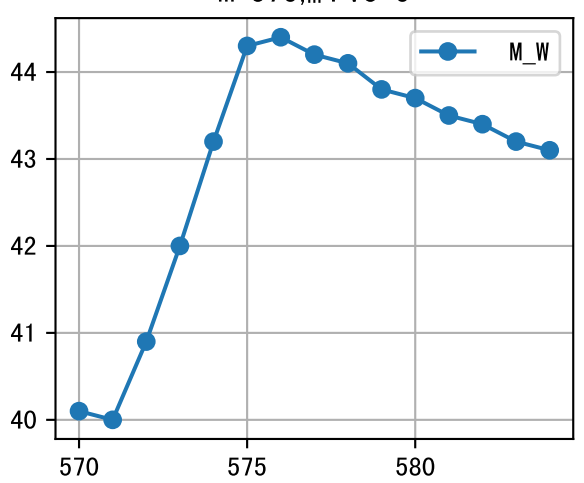
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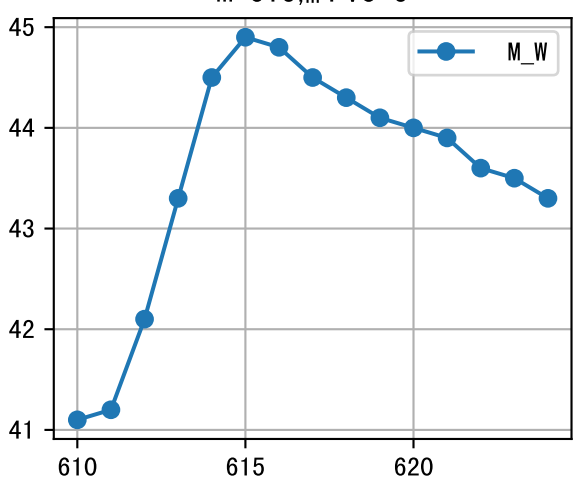
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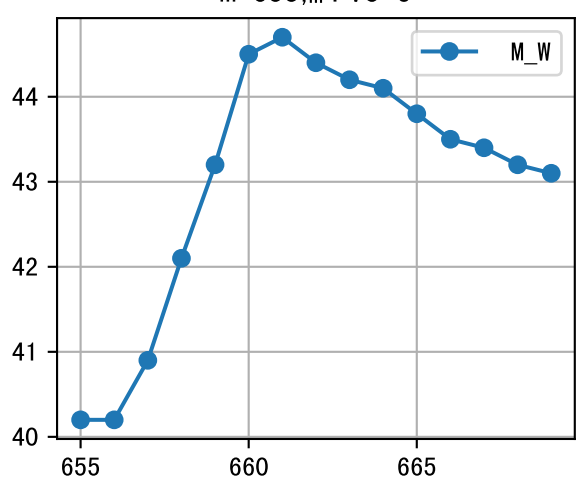
M_W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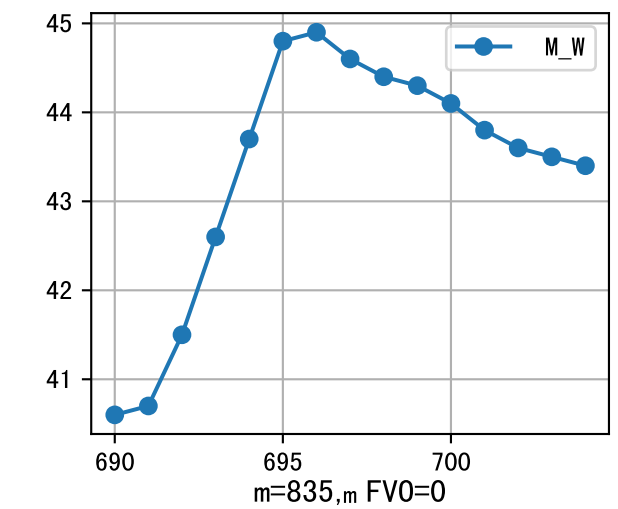
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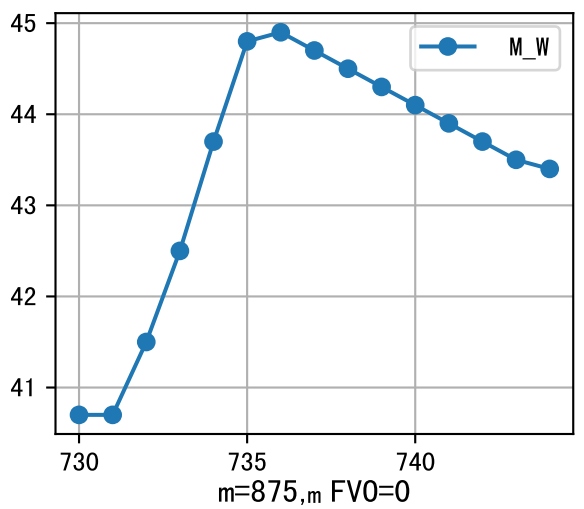
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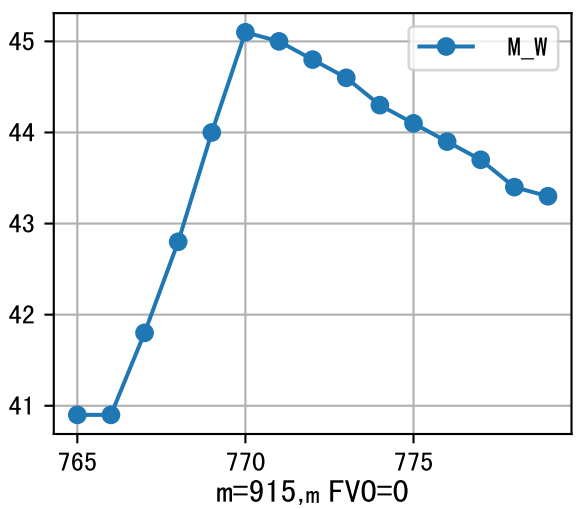
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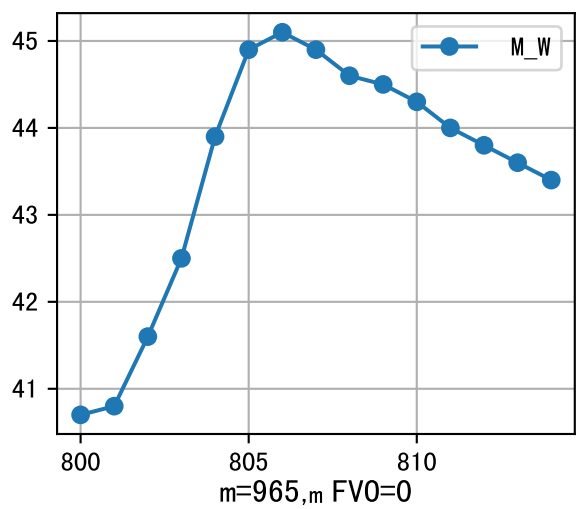
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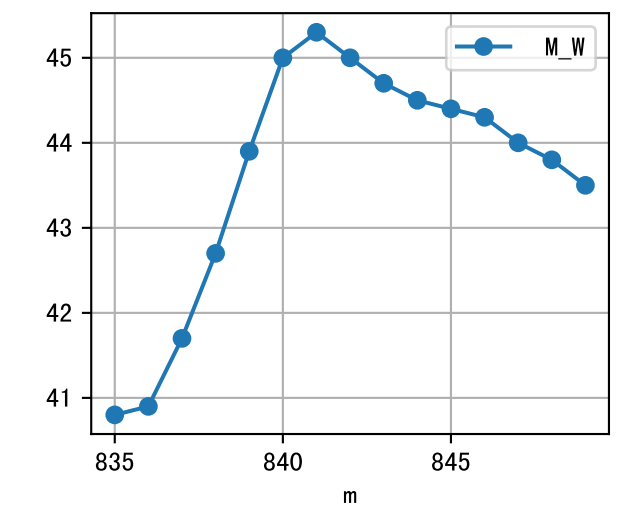
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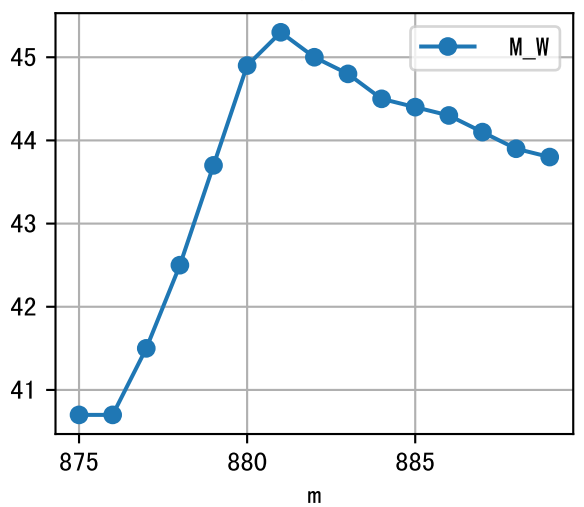
m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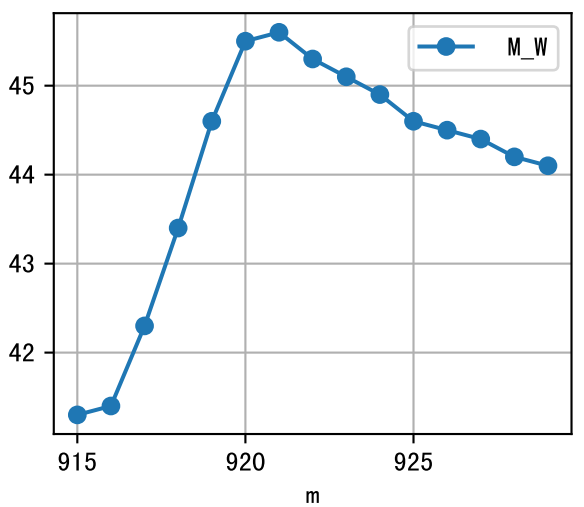
m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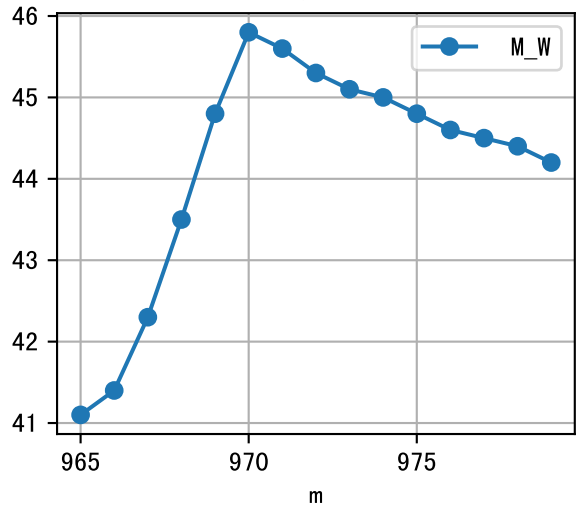
m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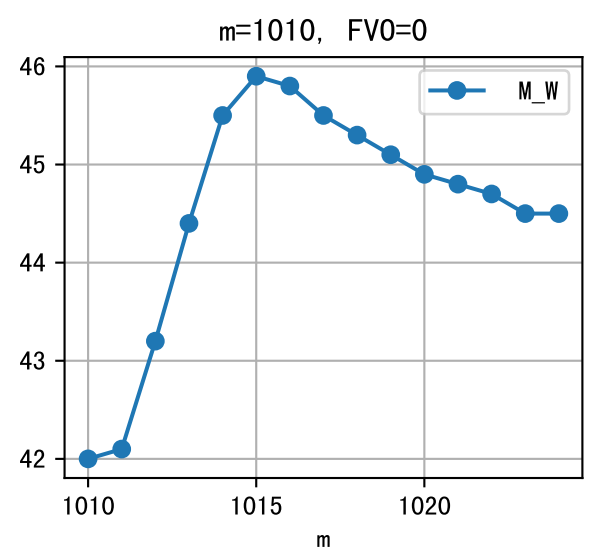
m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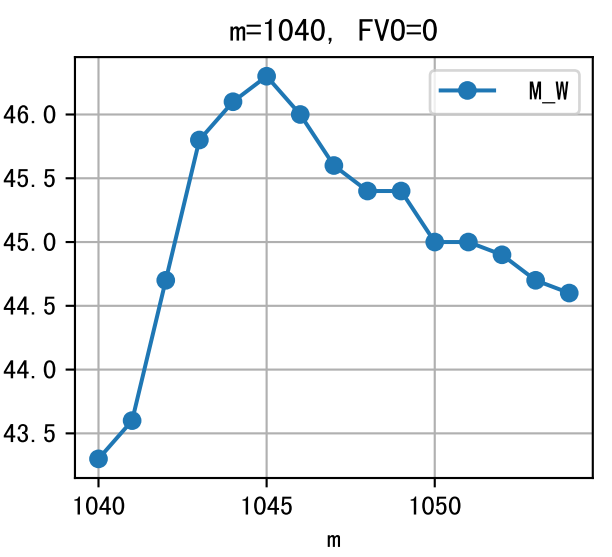
M_W
46
45
44
43
42
1010
1015
1020
m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M_W
46.0
45.5
45.0
44.5
44.0
43.5
1040
1045
1050
m