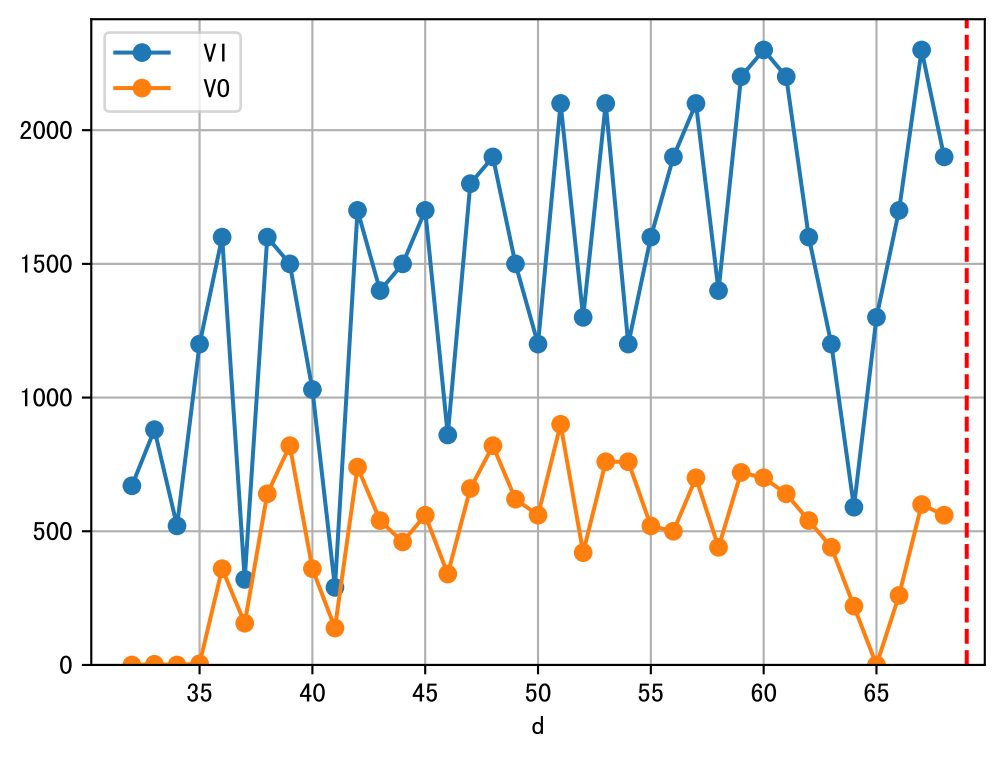
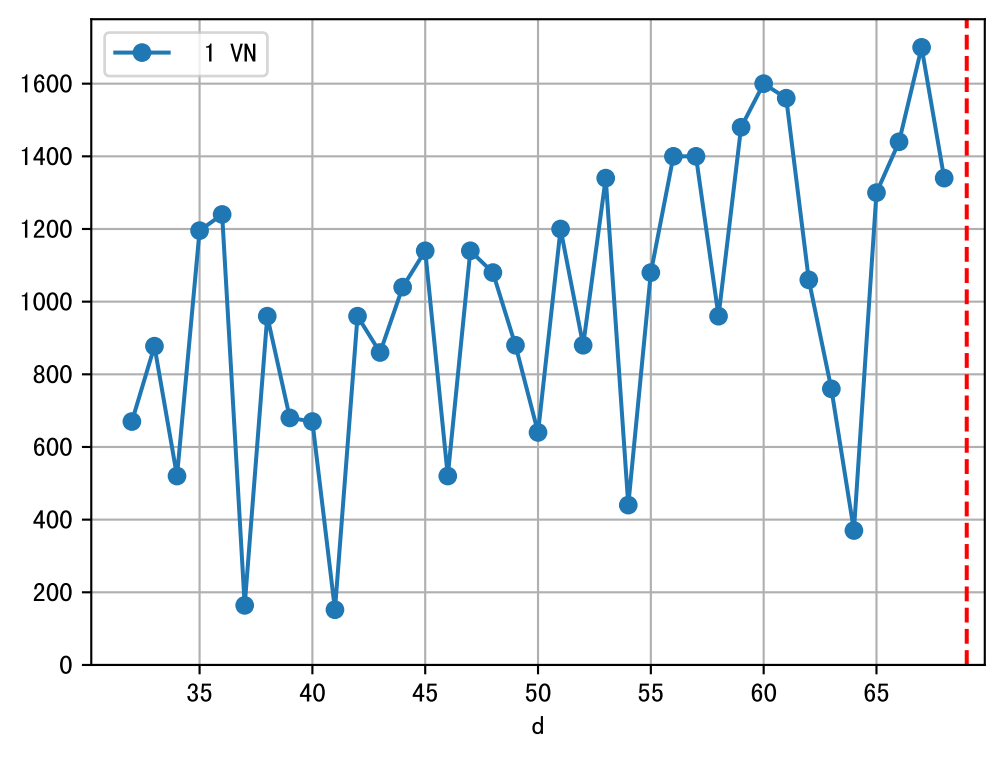
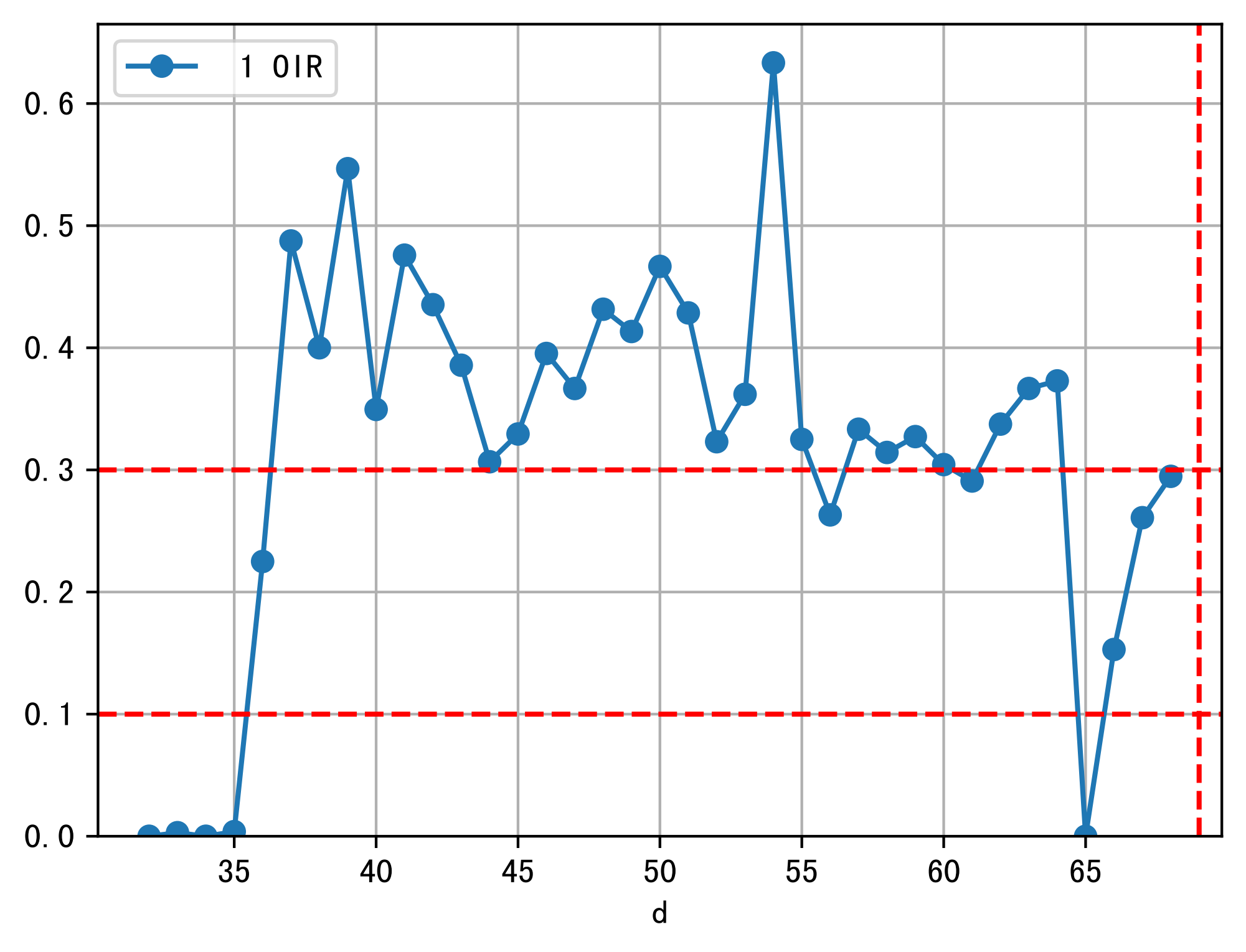
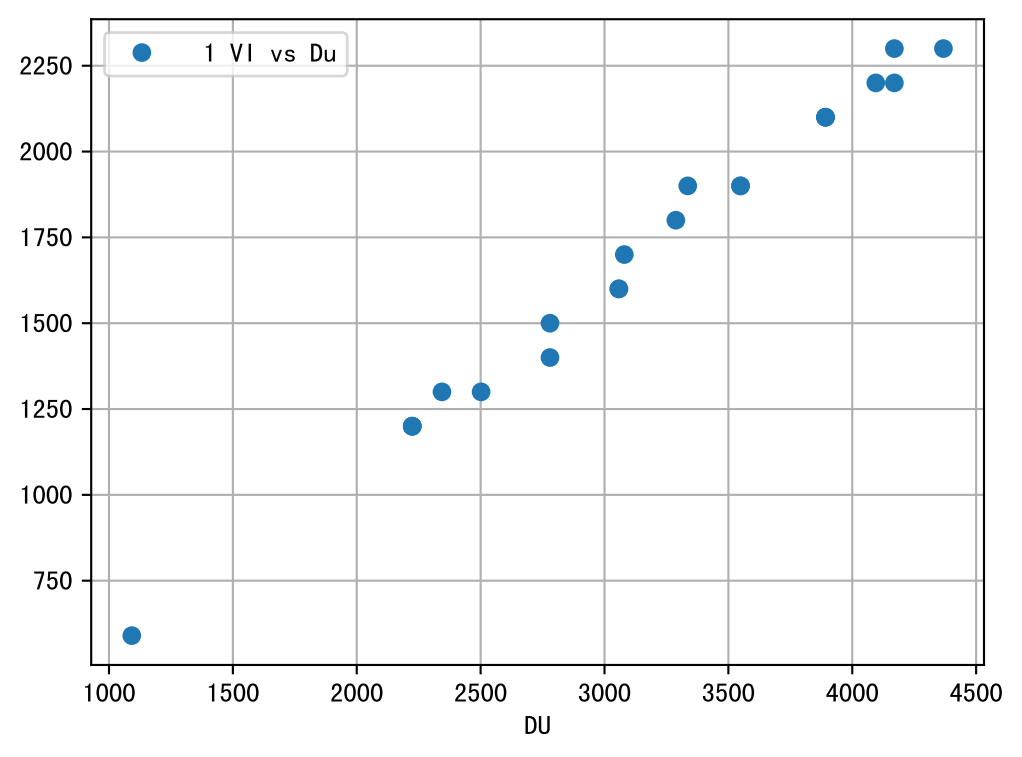
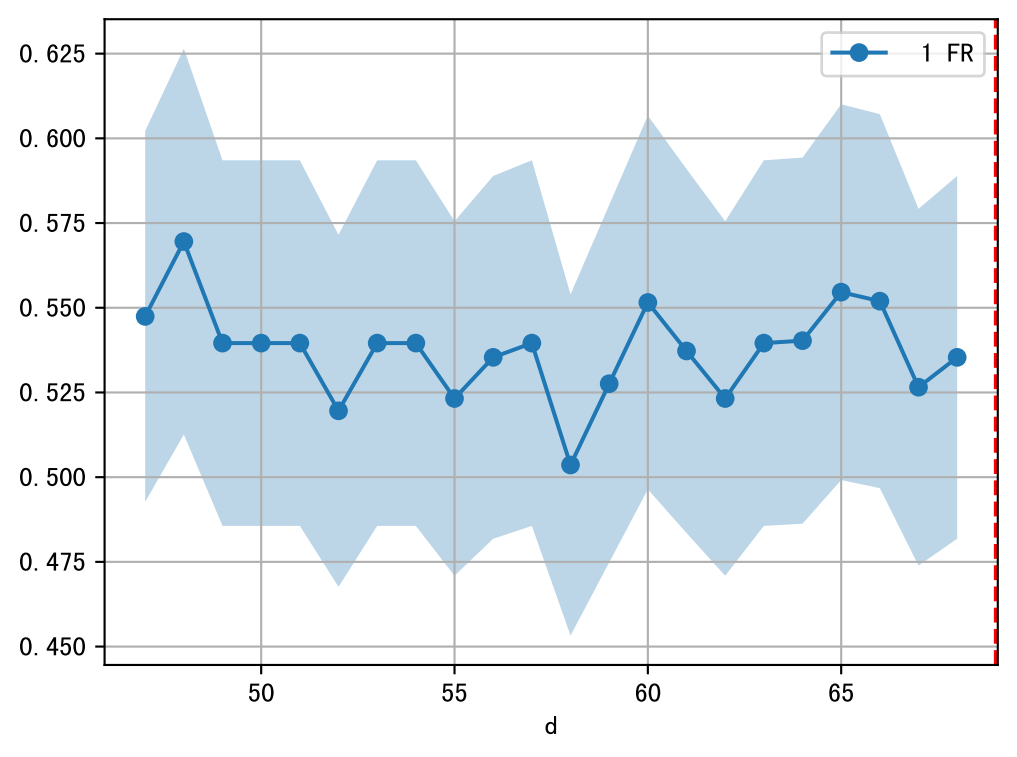
FgArea: ['0']
NC11 P3-7
2025-06-06 (Day 69)

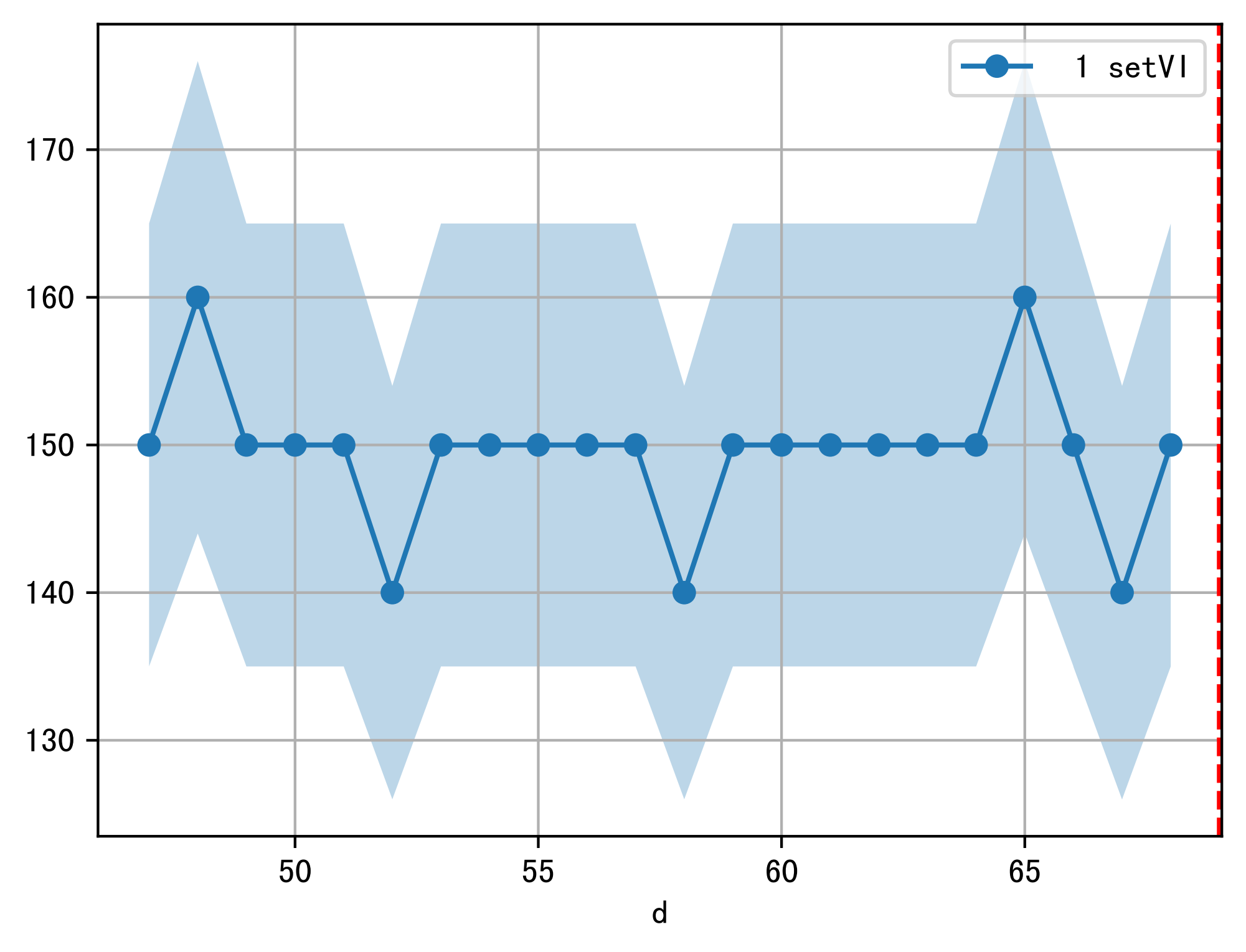

VI
V0
2000
1500
1000
500
0
35
40
45
50
55
60
65
d

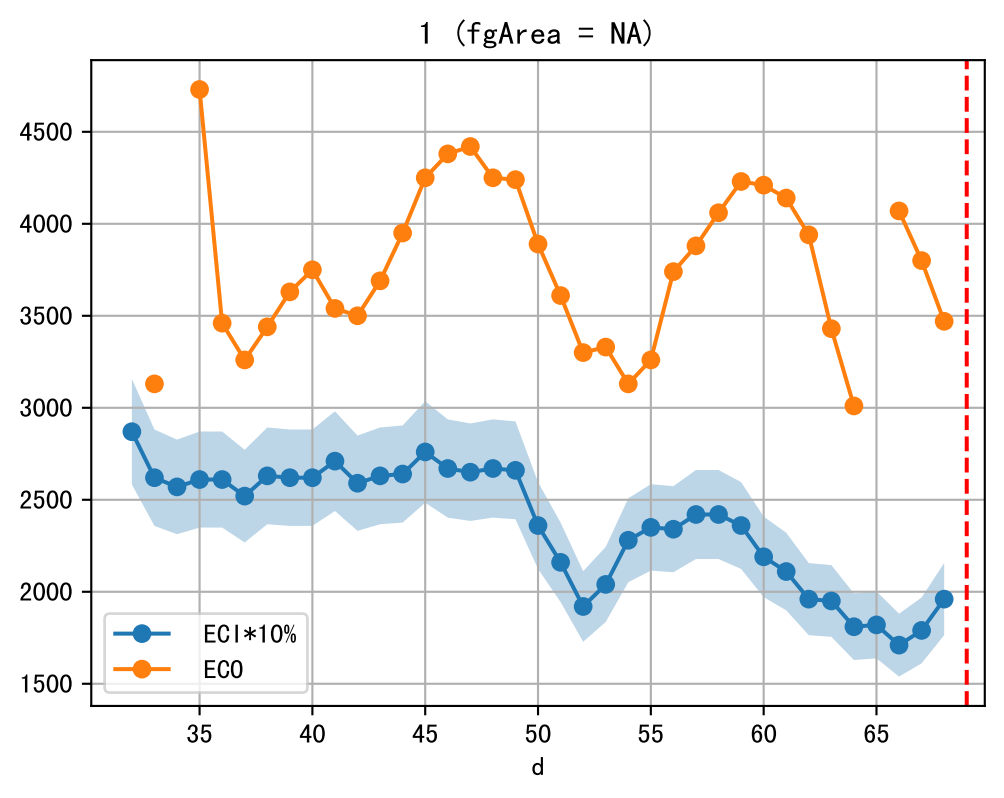

1 VN
0
200
400
600
800
1000
1200
1400
1600
35
40
45
50
55
60
65
d

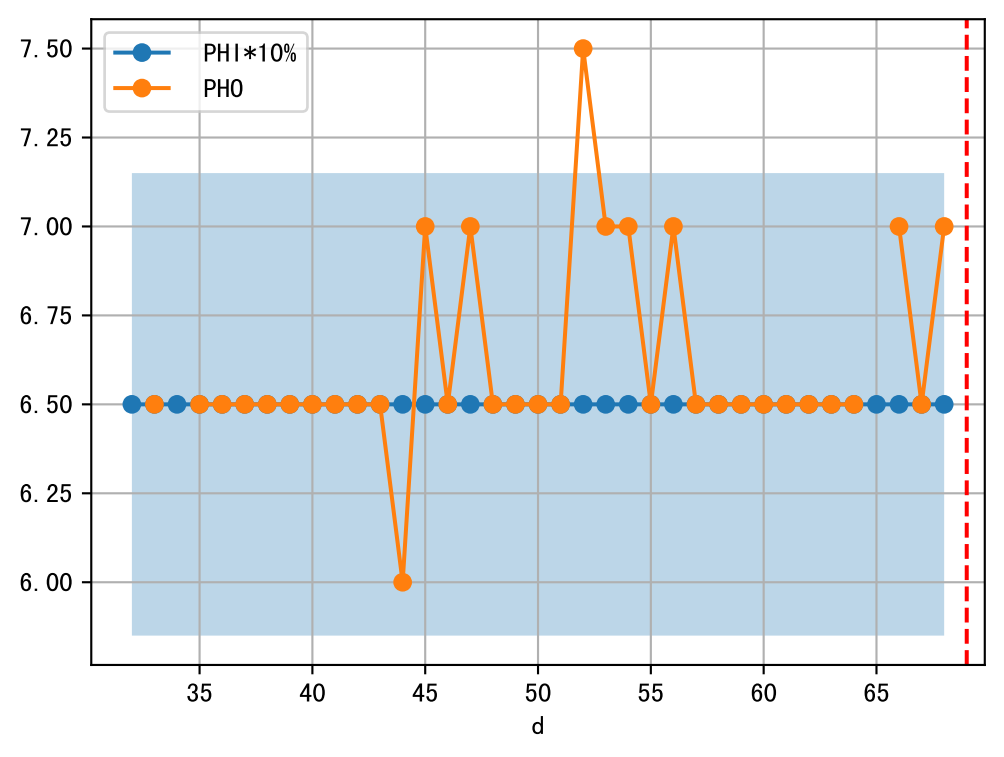

1 0IR
0.6
0.5
0.4
0.3
0.2
0.1
0.0
35
40
45
50
55
60
65
d

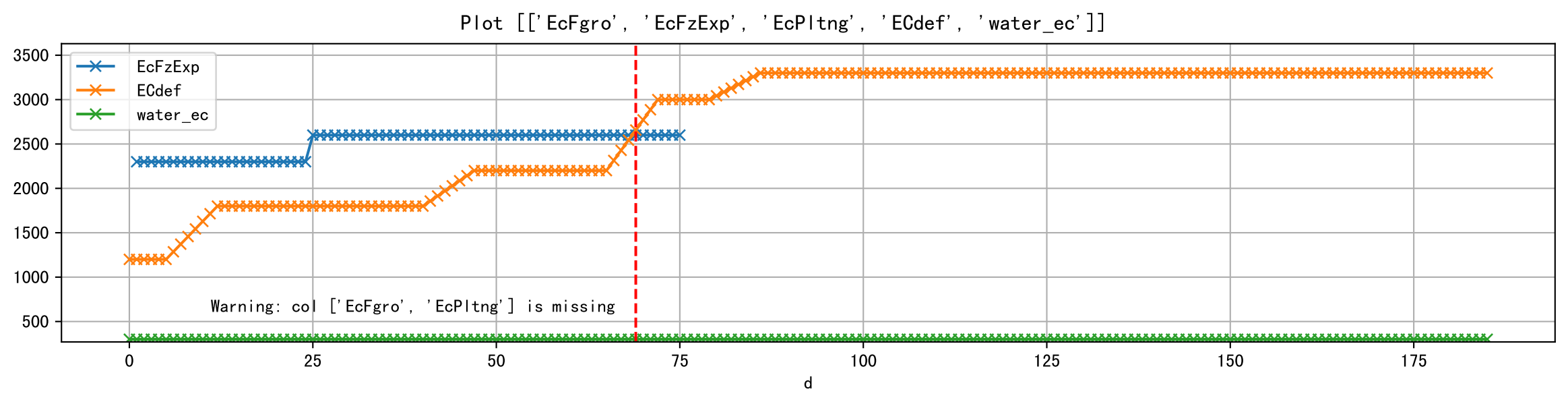

1 VI vs Du
2250
2000
1750
1500
1250
1000
750
1000
1500
2000
2500
3000
3500
4000
4500
DU

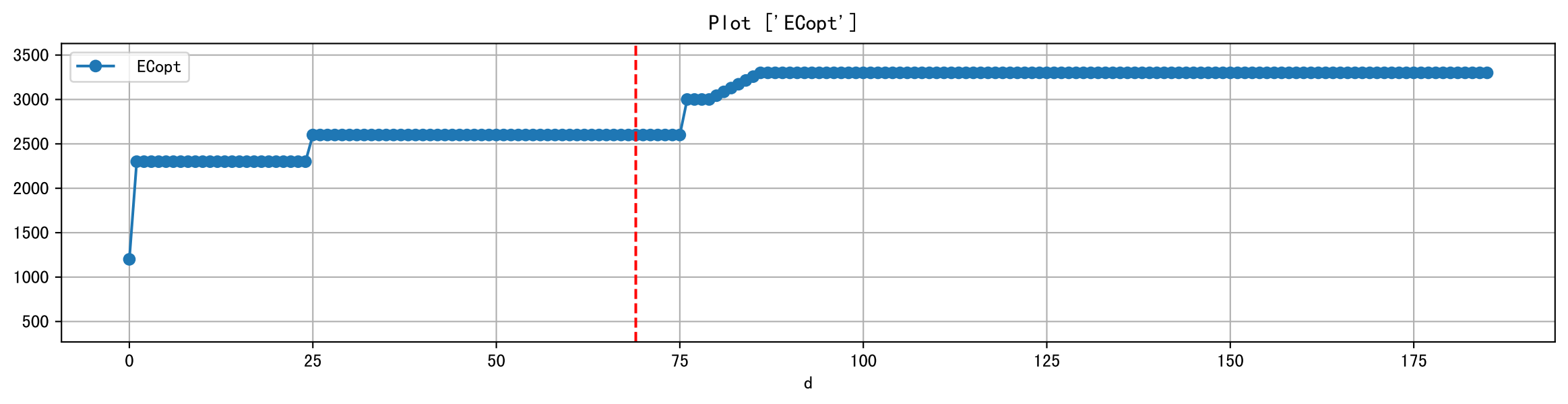

1 FR
0. 625
0. 600
0. 575
0. 550
0. 525
0. 500
0. 475
0. 450
50
55
60
65
d


1 setVl
170
160
150
140
130
50
55
60
65
d

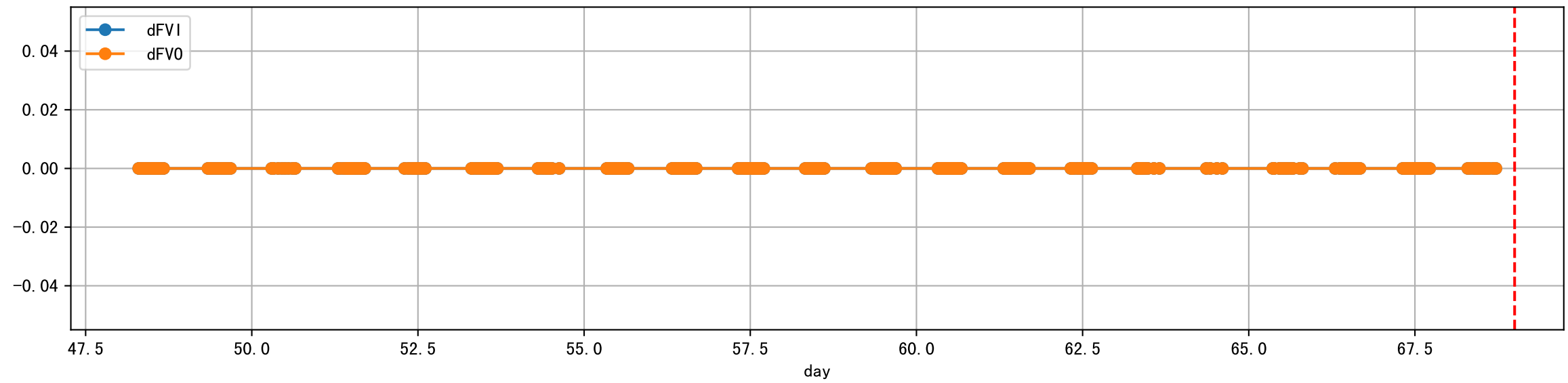

1 (fgArea = NA)
4500
4000
3500
3000
2500
2000
1500
35
40
45
50
55
60
65
d
ECI*10%
ECO

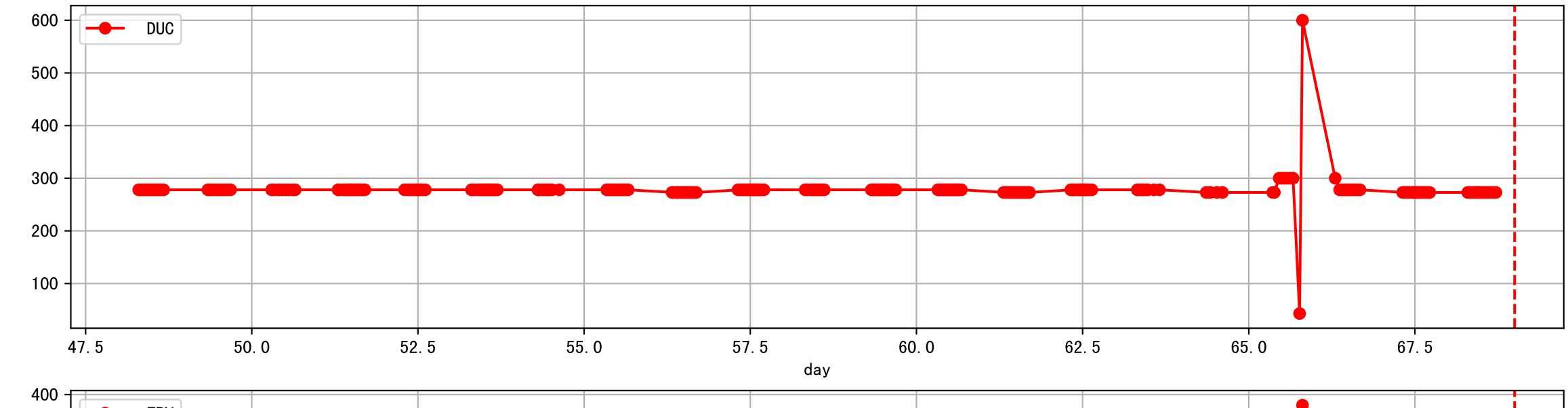

PHI*10%
PH0
7.50
7.25
7.00
6.75
6.50
6.25
6.00
35
40
45
50
55
60
65
d

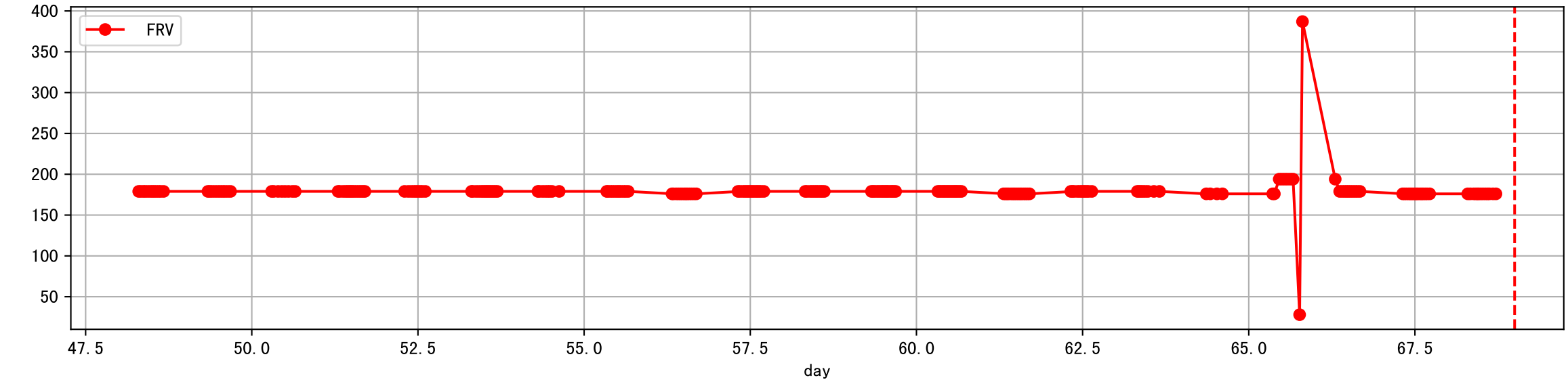

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'water_ec']]
EcFzExp
ECdef
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

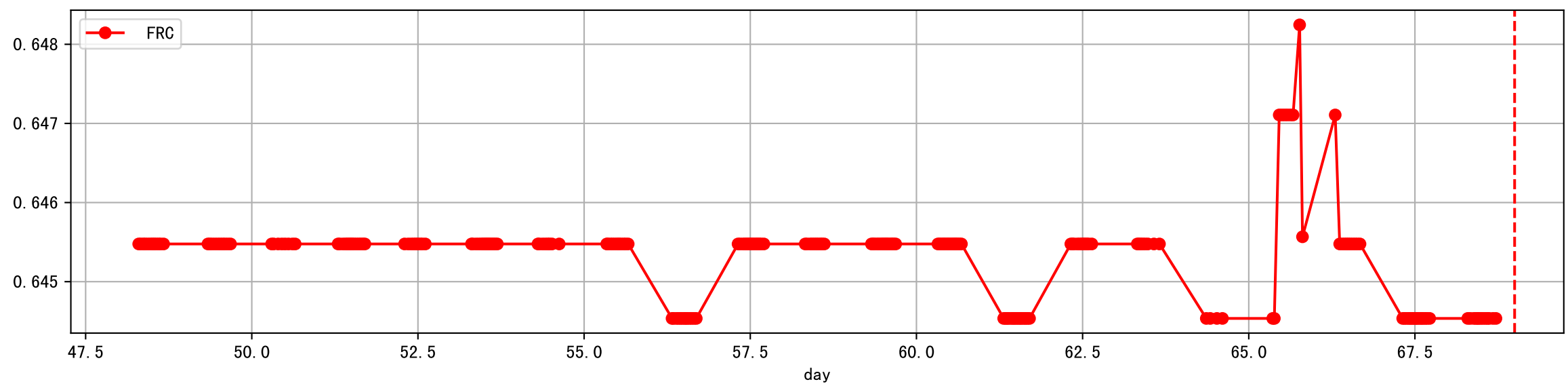

Plot ['ECopt']
ECopt
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

Plot Sensor and FgRec Data

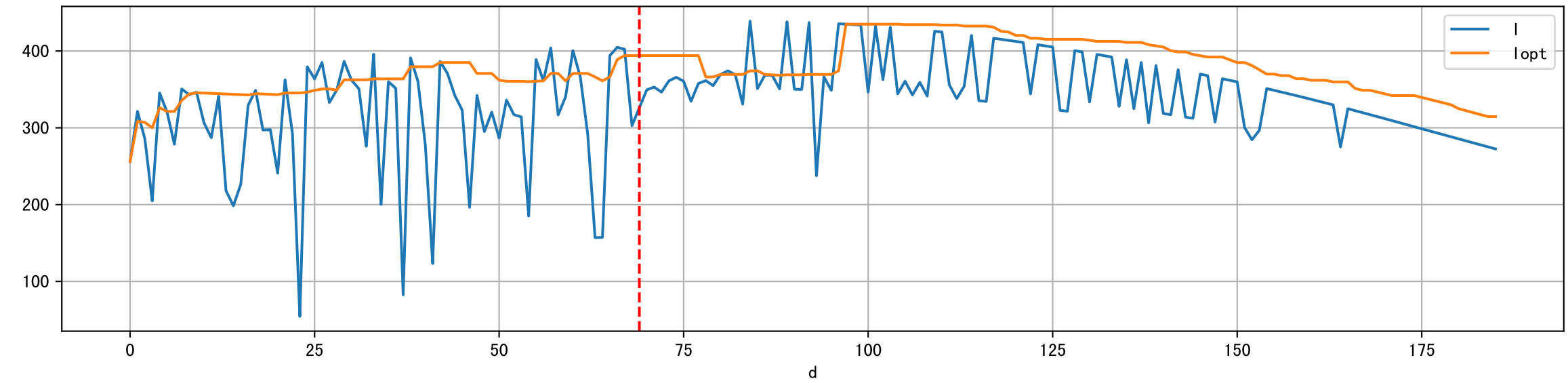


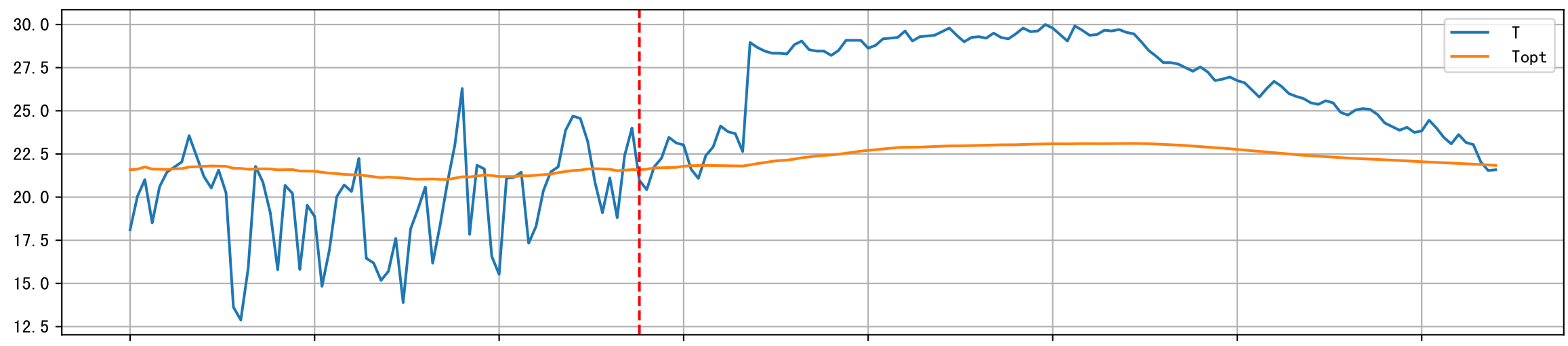


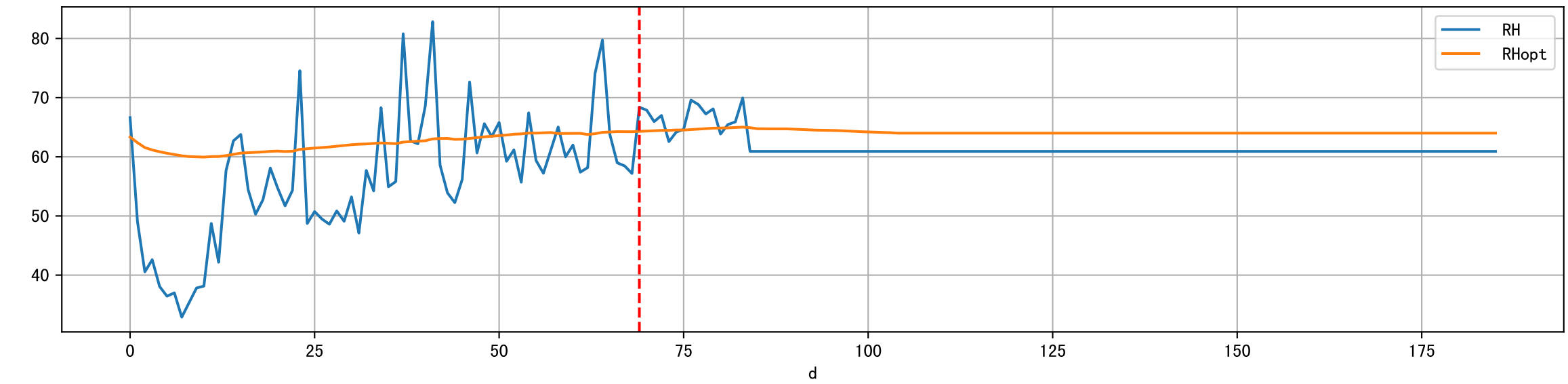


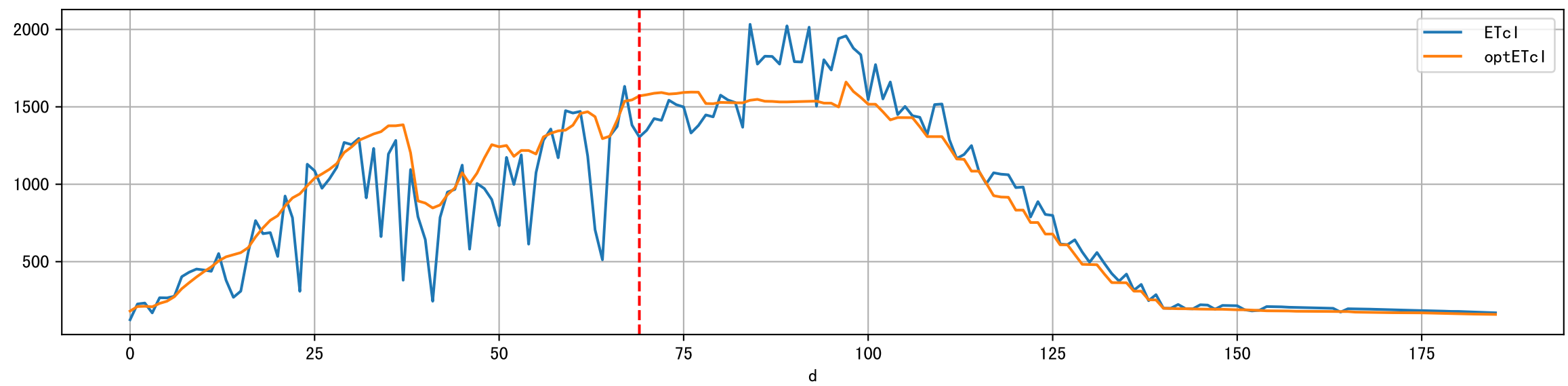


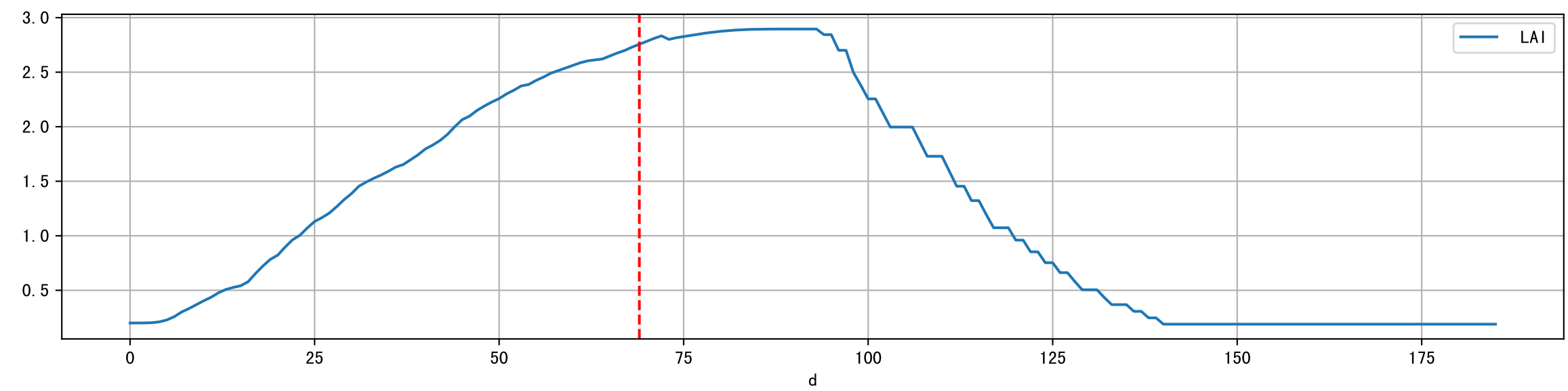
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']

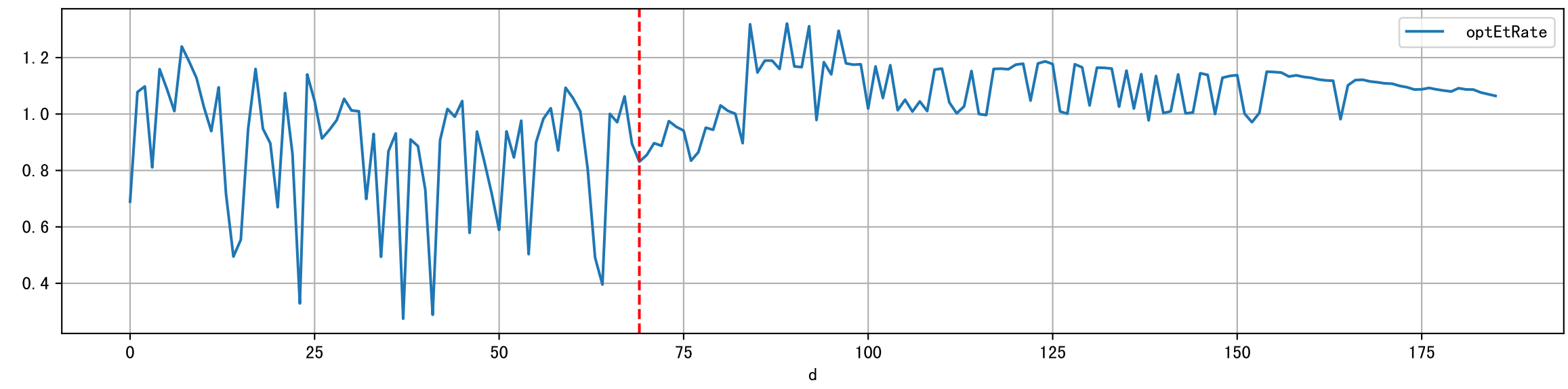


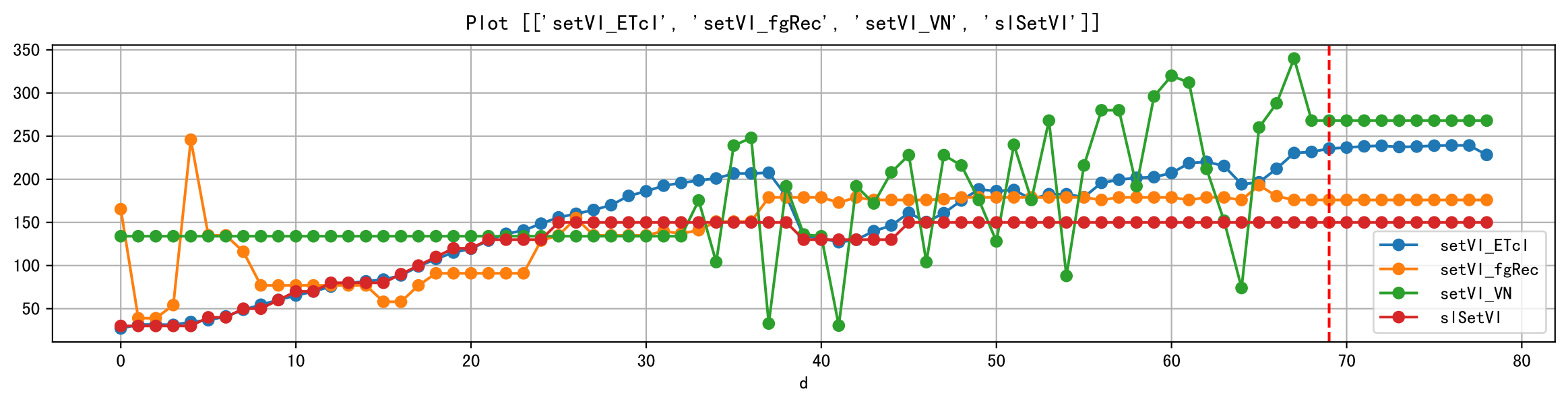


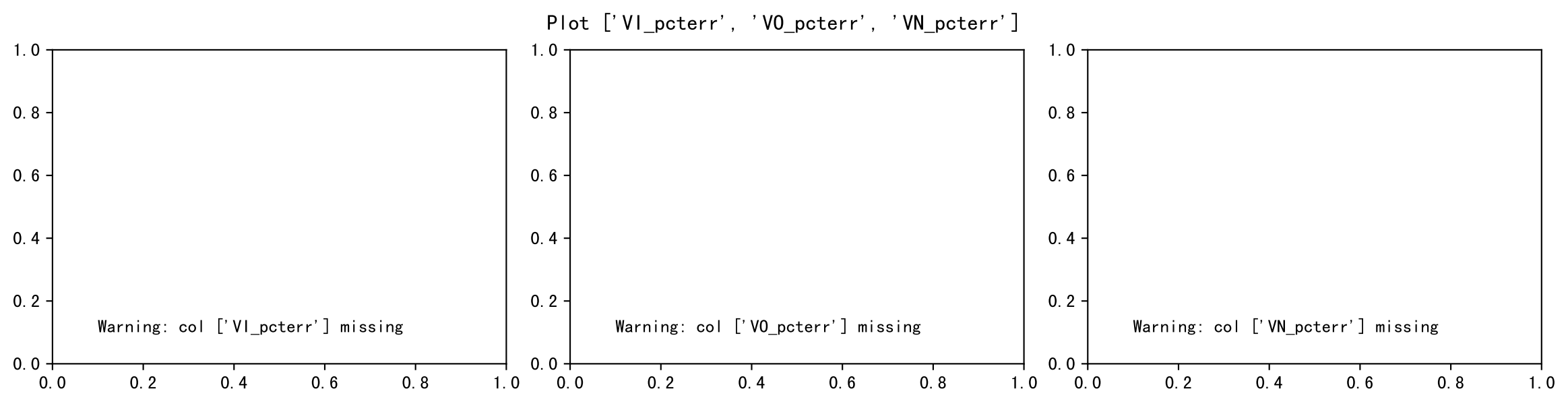


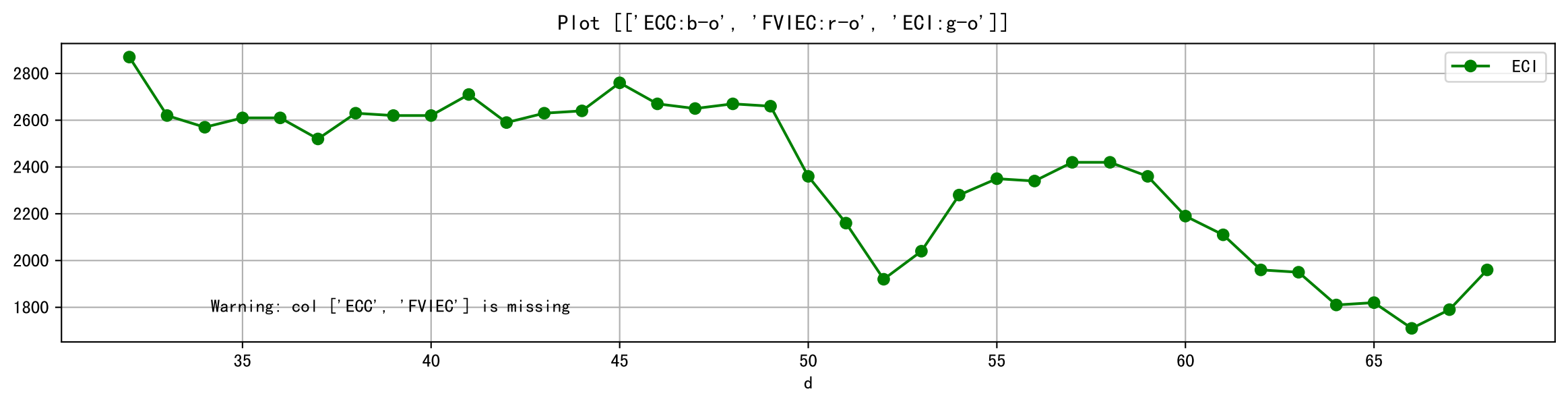


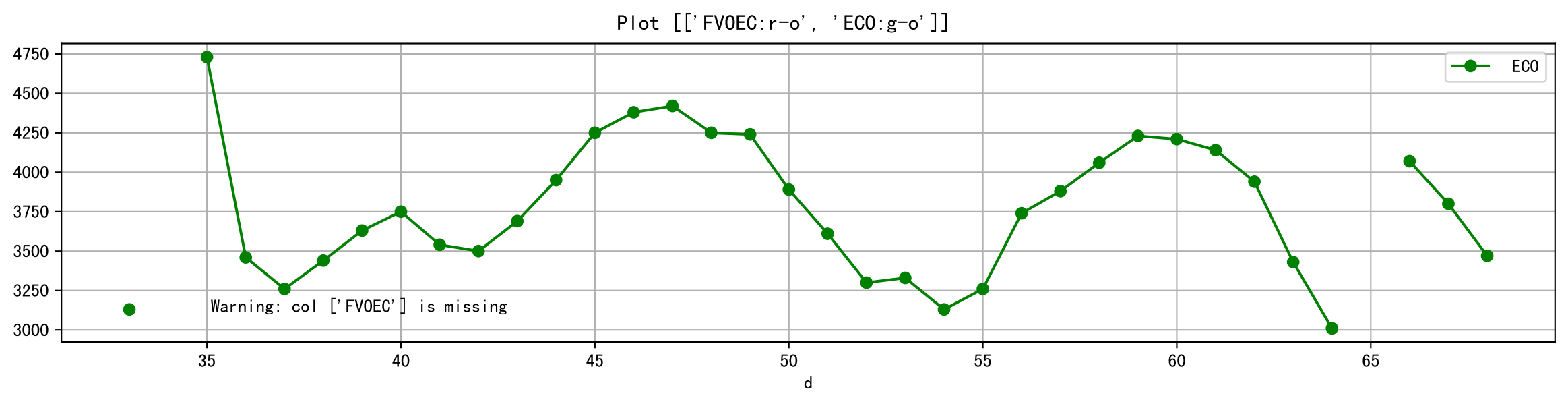


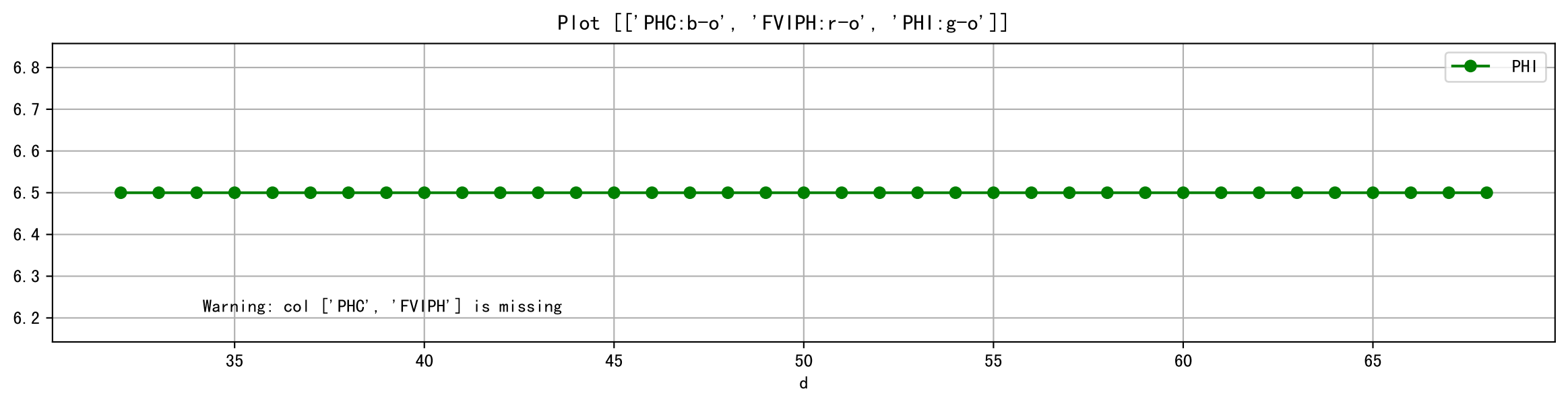


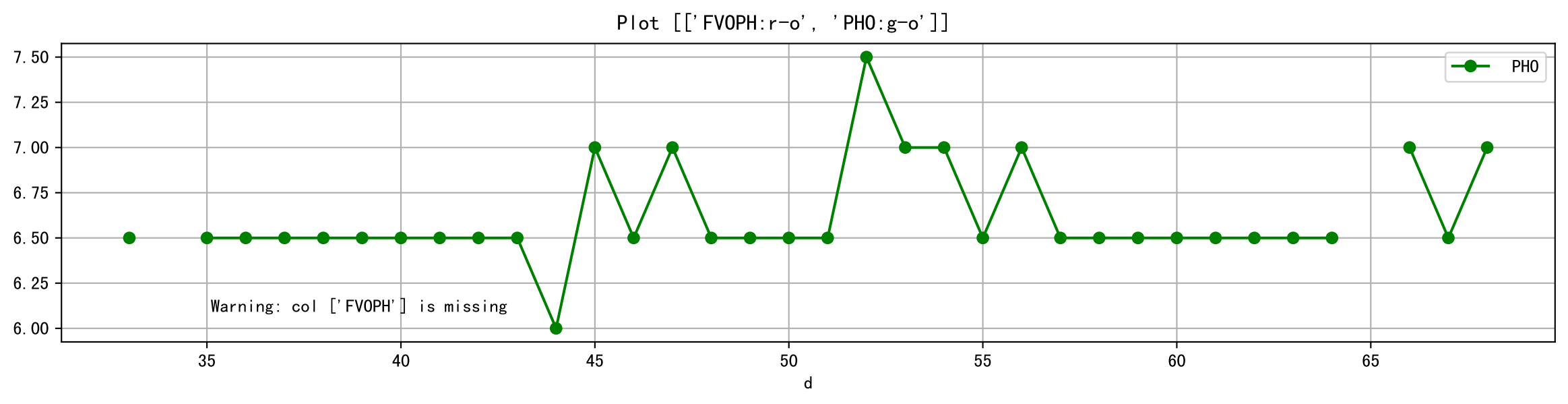

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
350
300
250
200
150
100
50
0
10
20
30
40
50
60
70
80
d
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI

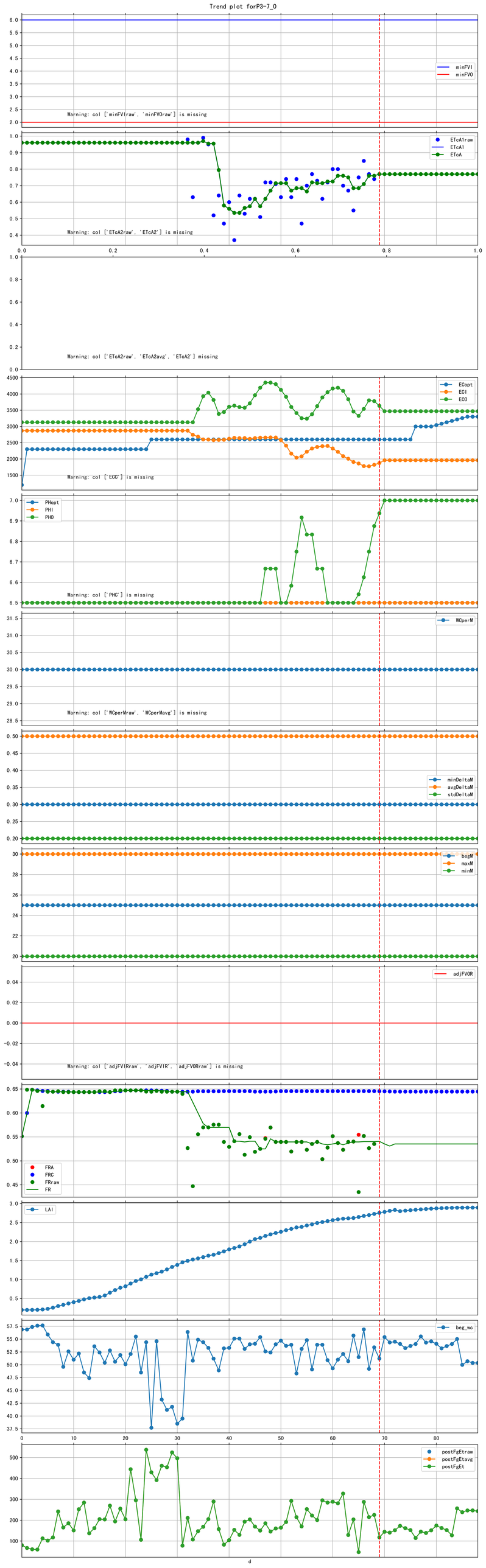

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

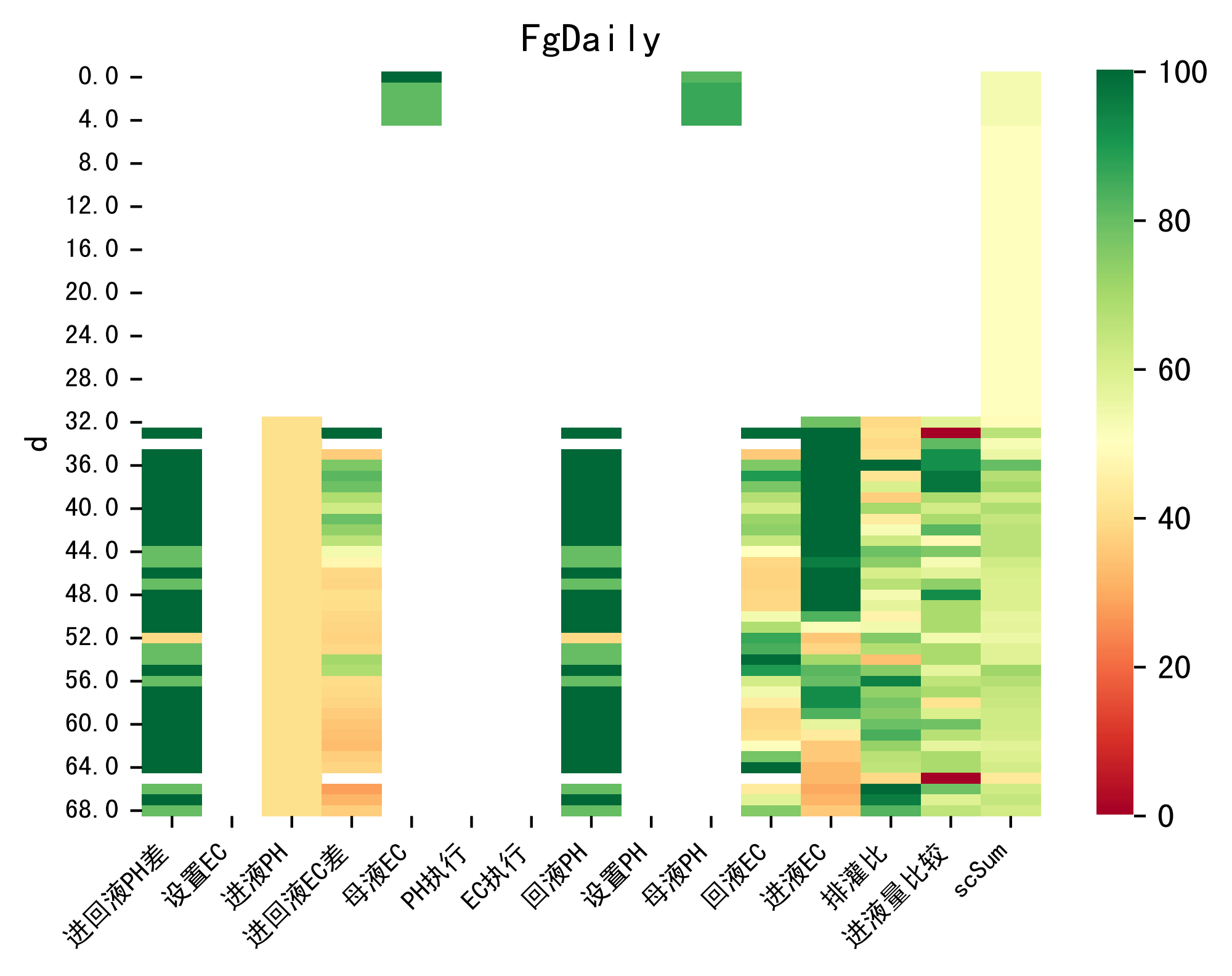

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECI
Warning: col ['ECC', 'FVIEC'] is missing
2800
2600
2400
2200
2000
1800
35
40
45
50
55
60
65
d


Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4750
4500
4250
4000
3750
3500
3250
3000
35
40
45
50
55
60
65
d

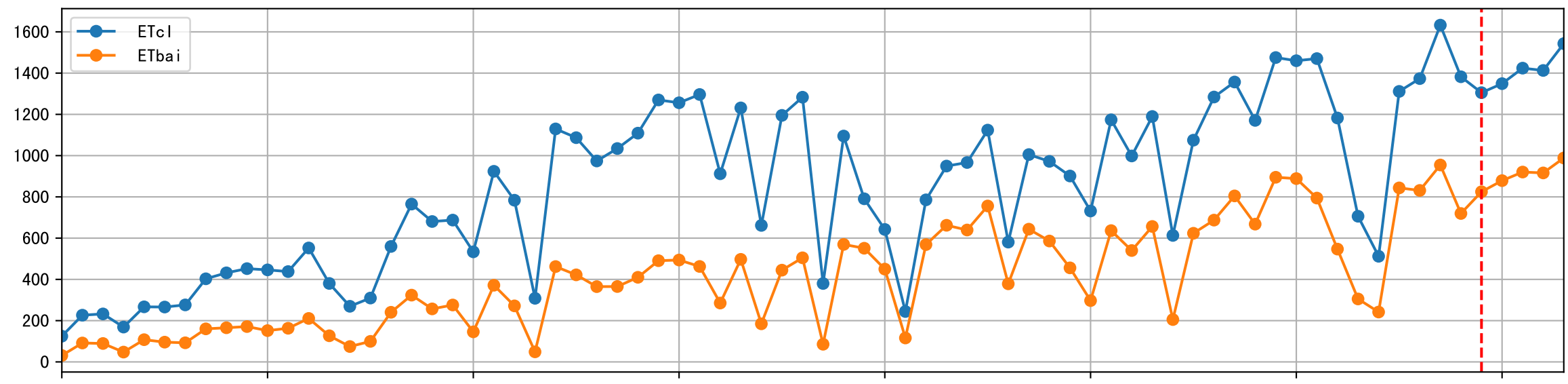

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHI
6.8
6.7
6.6
6.5
6.4
6.3
6.2
Warning: col ['PHC', 'FVIPH'] is missing
35
40
45
50
55
60
65
d

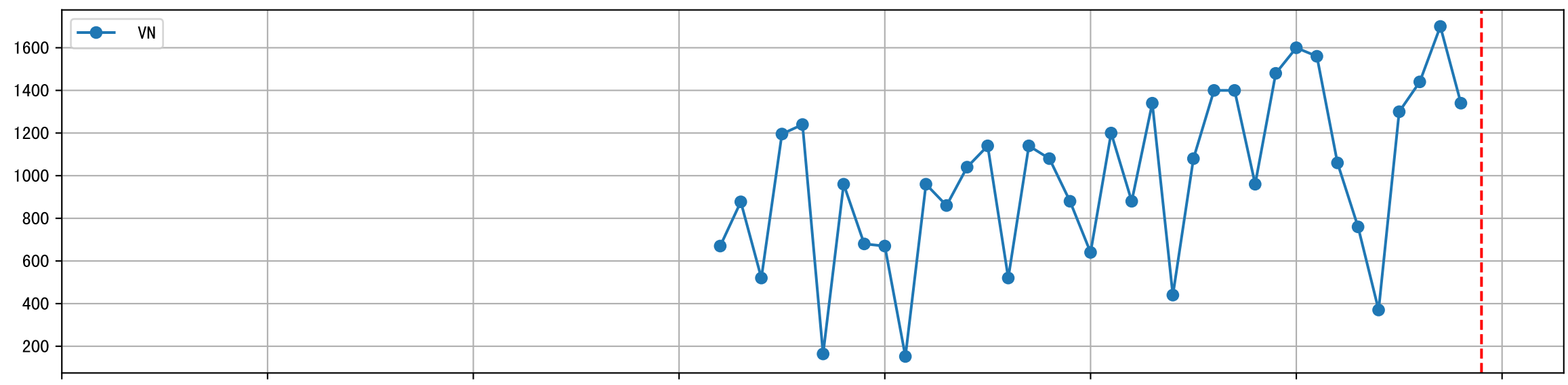

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.50
7.25
7.00
6.75
6.50
6.25
6.00
35
40
45
50
55
60
65
d

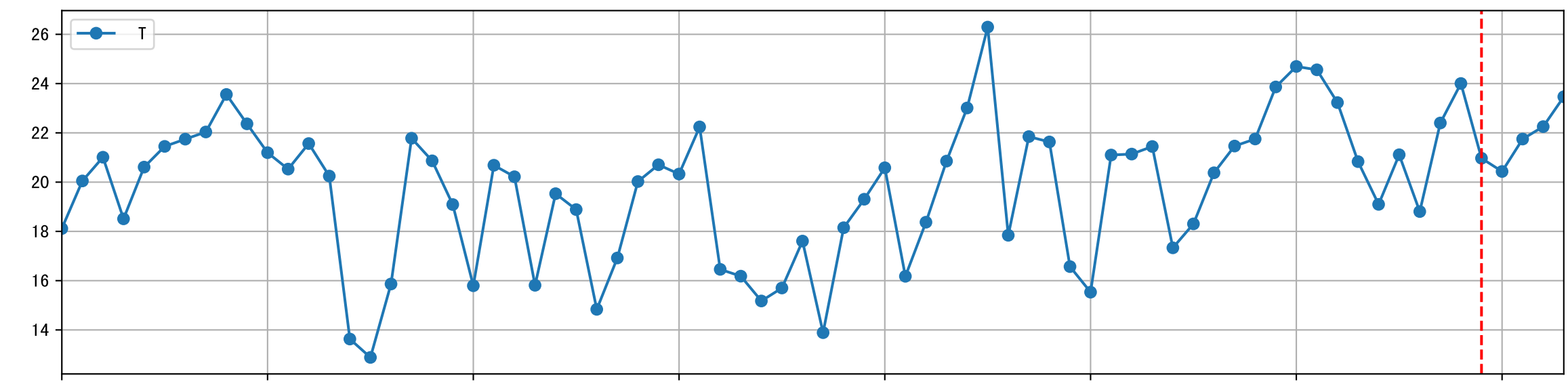

Trend plot forP3-7_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2']
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECopt
ECi
ECO
Warning: col ['ECC'] is missing
PHopt
PHi
PHO
Warning: col ['PHC'] is missing
WCperM
Warning: 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

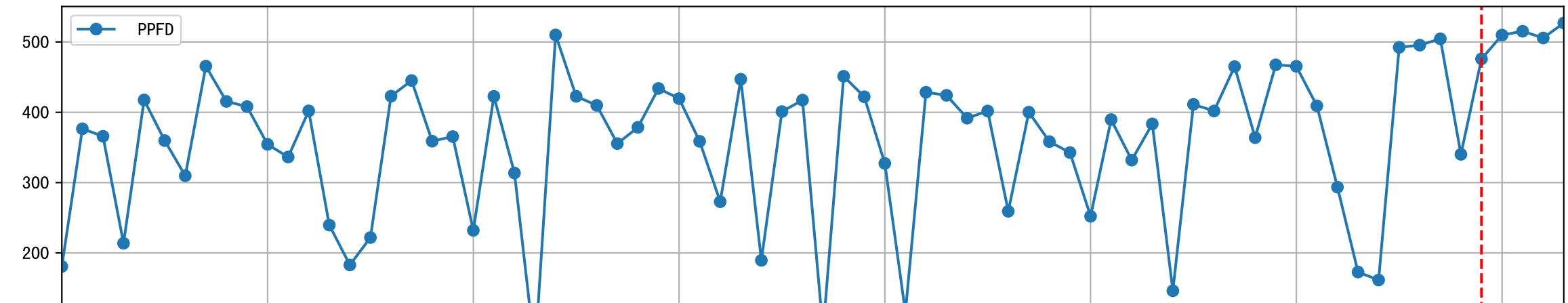

FgDaily
d
0.0
4.0
8.0
12.0
16.0
20.0
24.0
28.0
32.0
36.0
40.0
44.0
48.0
52.0
56.0
60.0
64.0
68.0
100
80
60
40
20
0
进回液PH差
设置EC
进液PH
进回液EC差
母液EC
PH执行
EC执行
回液PH
设置PH
母液PH
回液EC
进液EC
排灌比
进液量比较
scSum

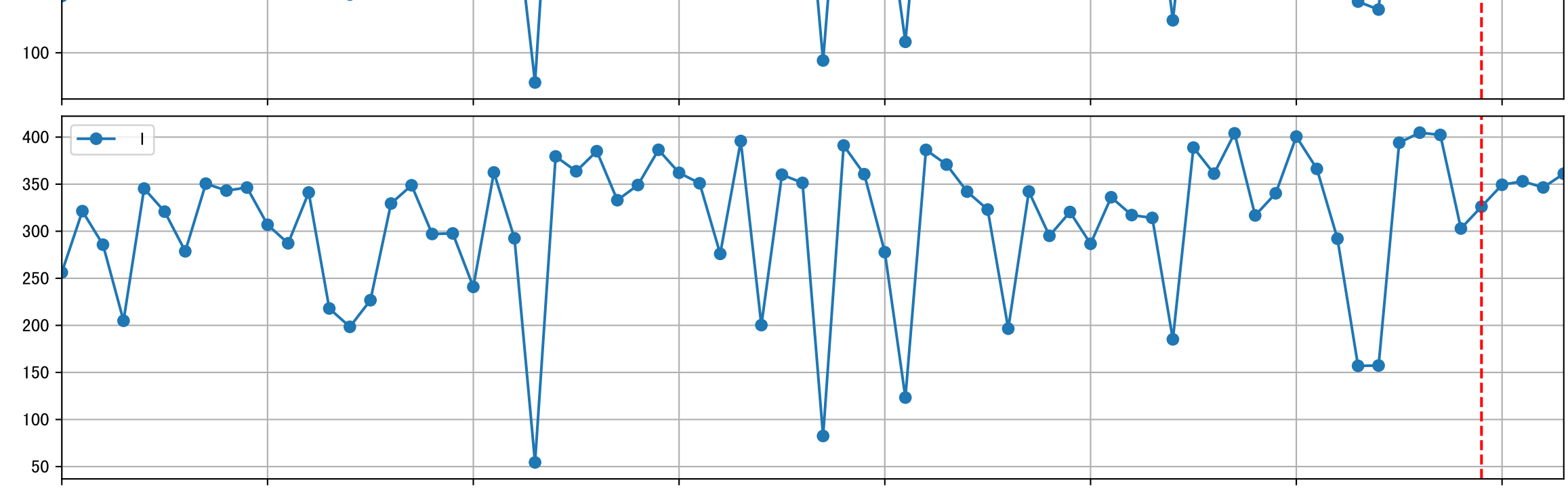
P3-7_0

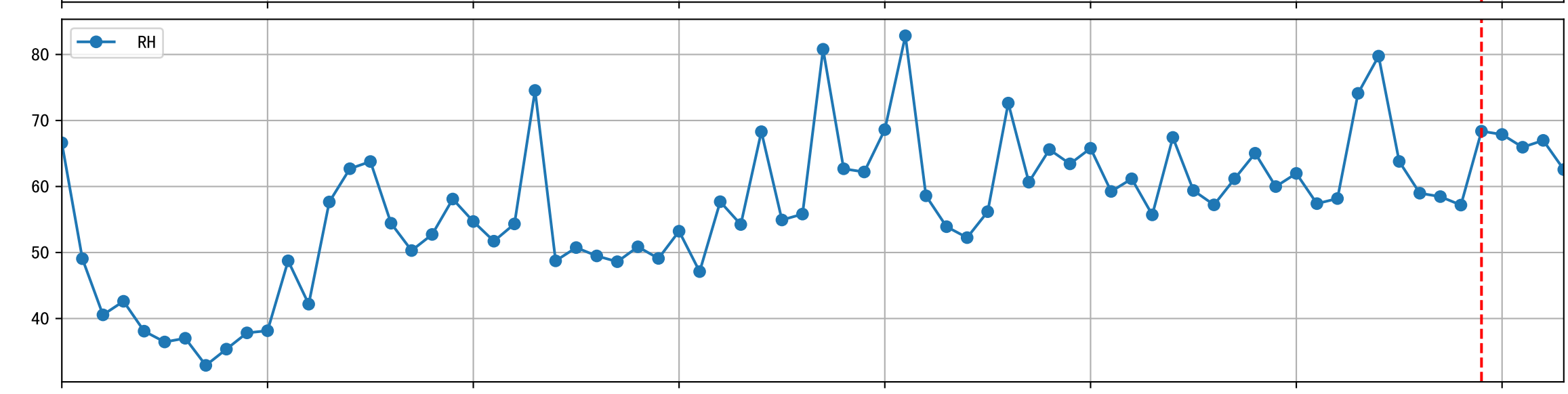


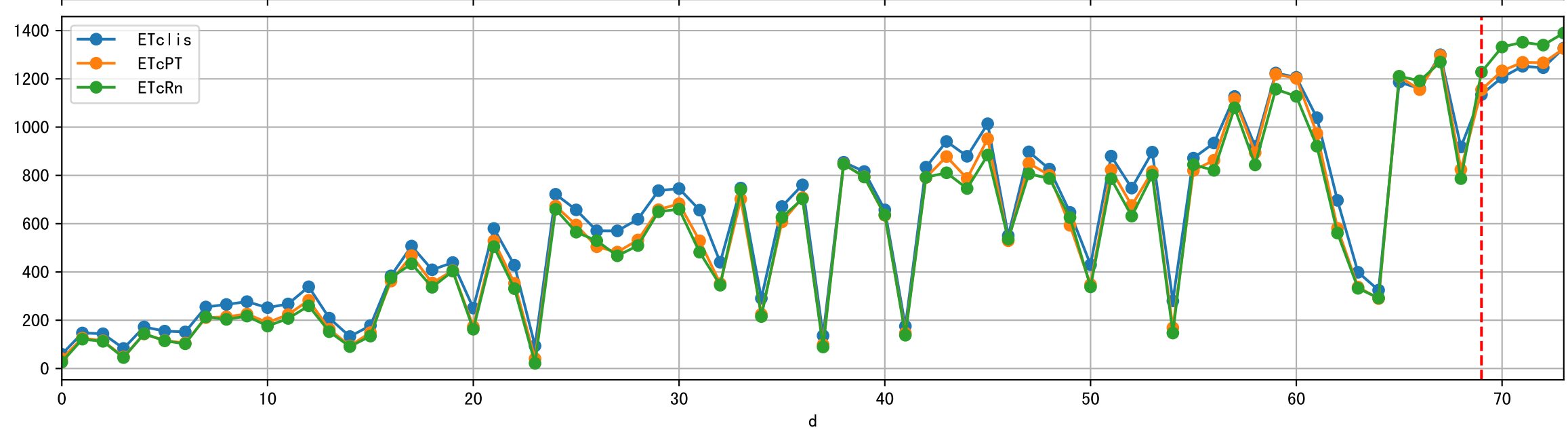


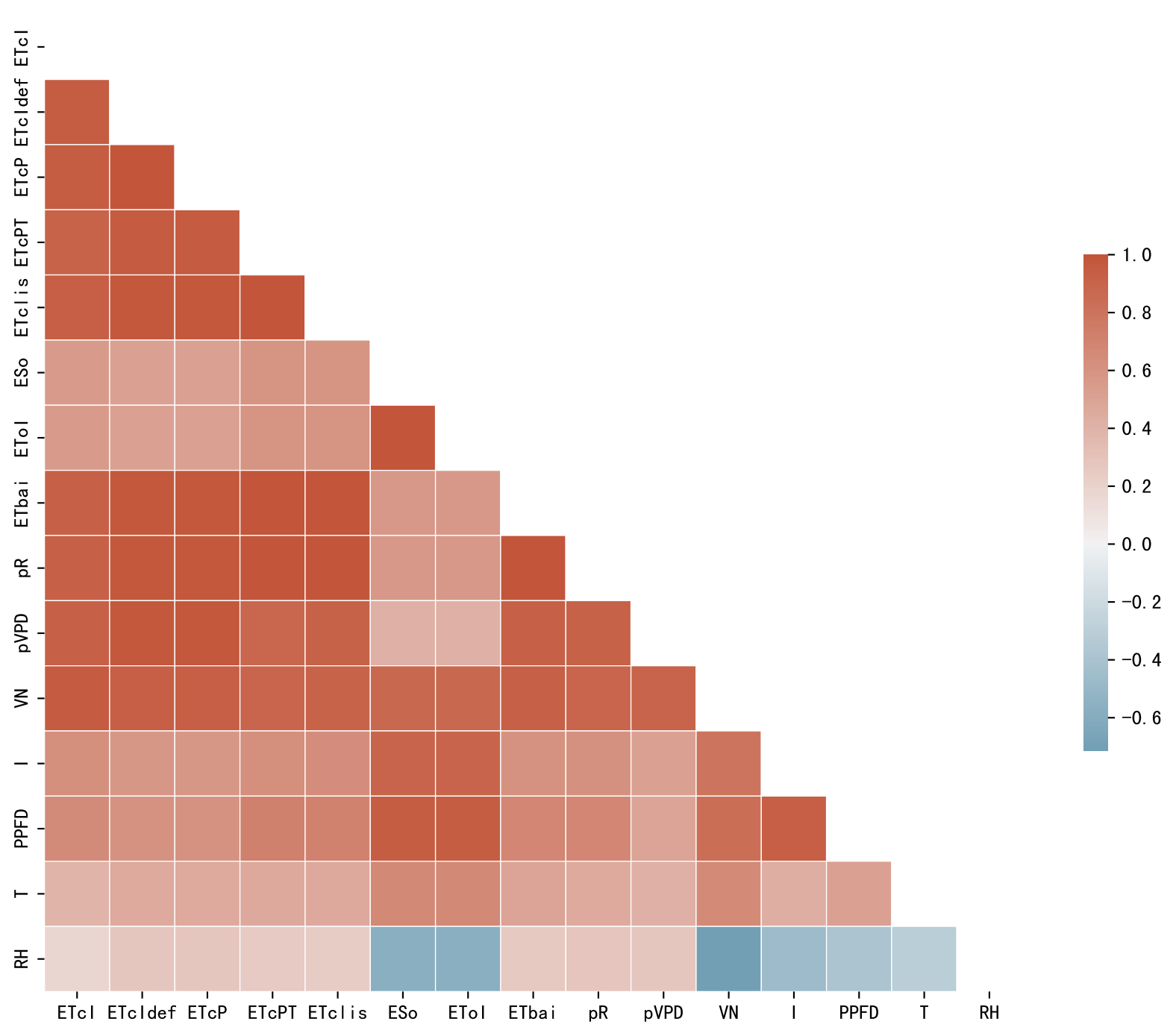


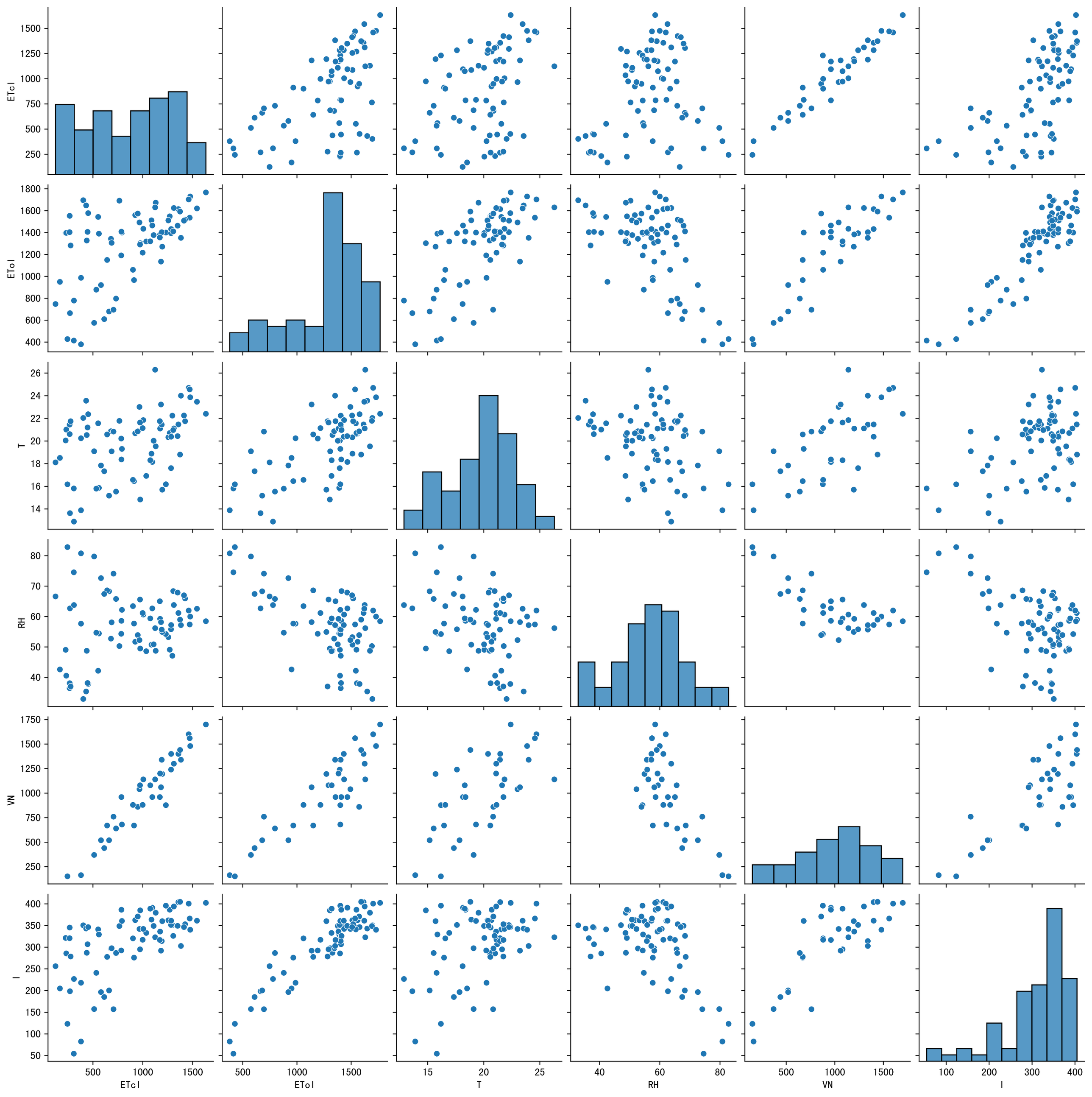


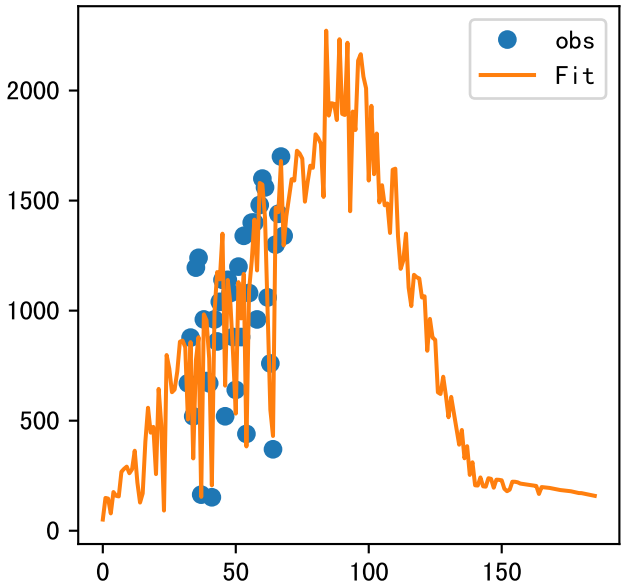


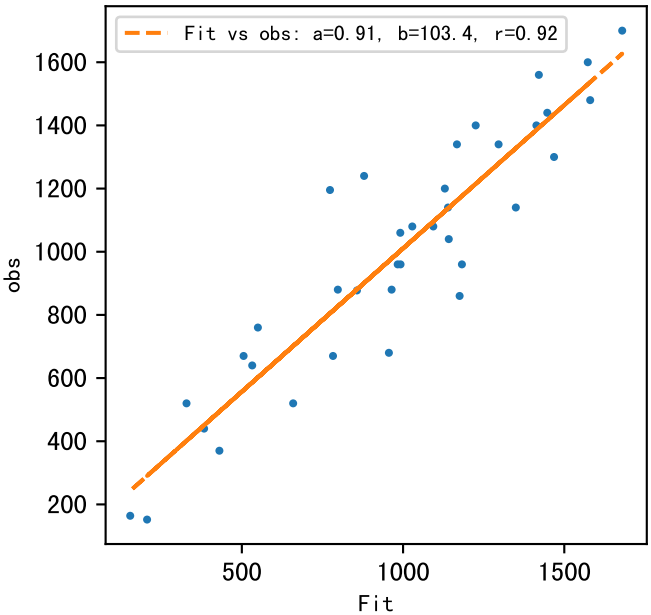




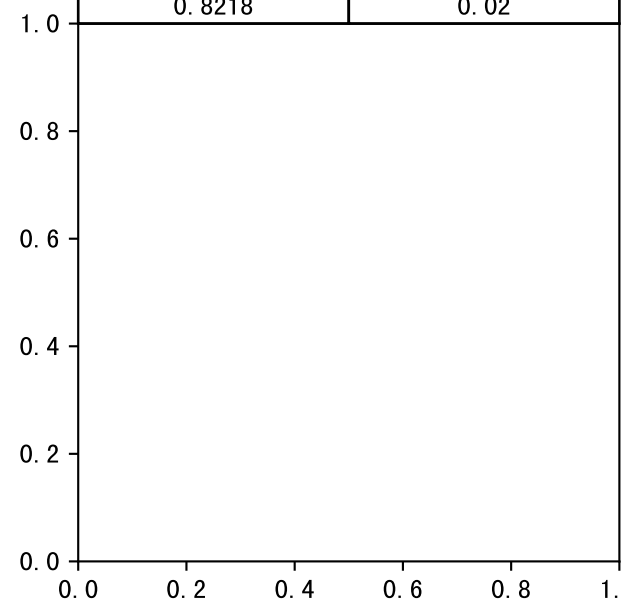

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.0
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
−0.6

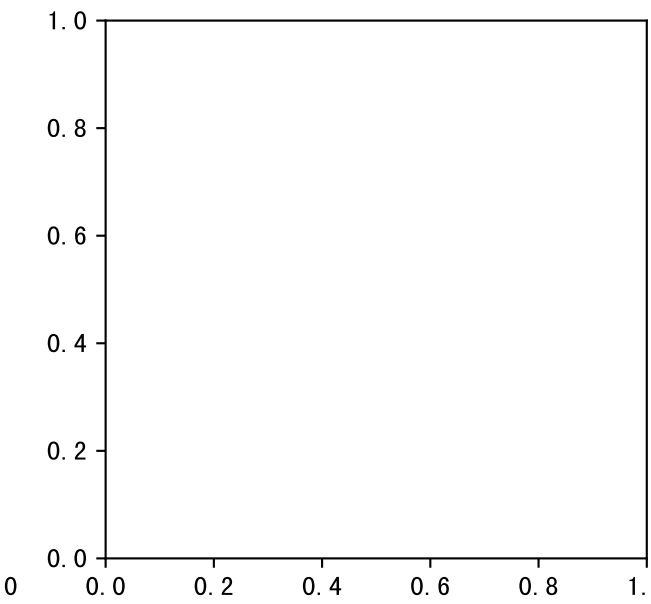

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

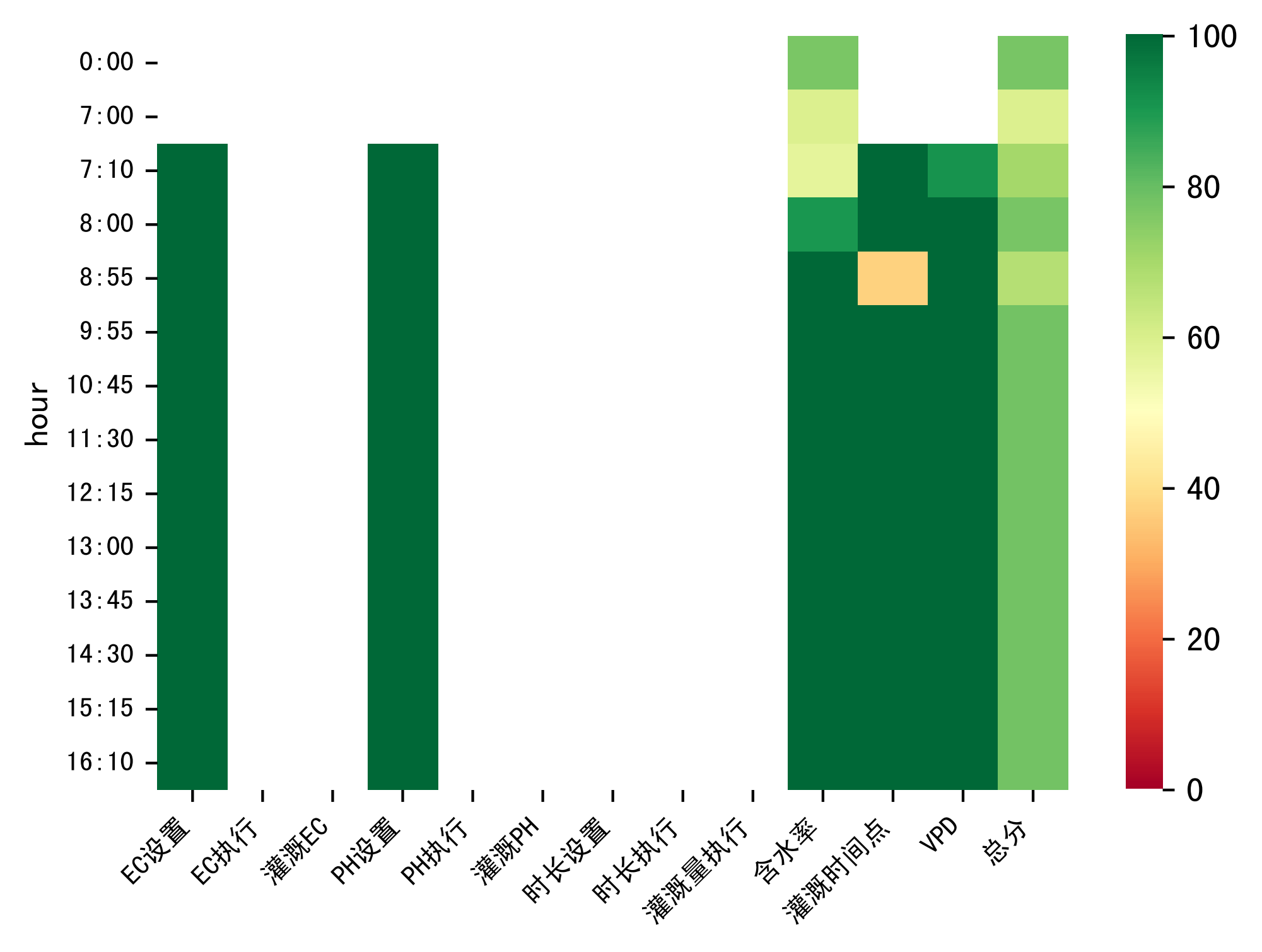




baiA	baiB
0.8218	0.02



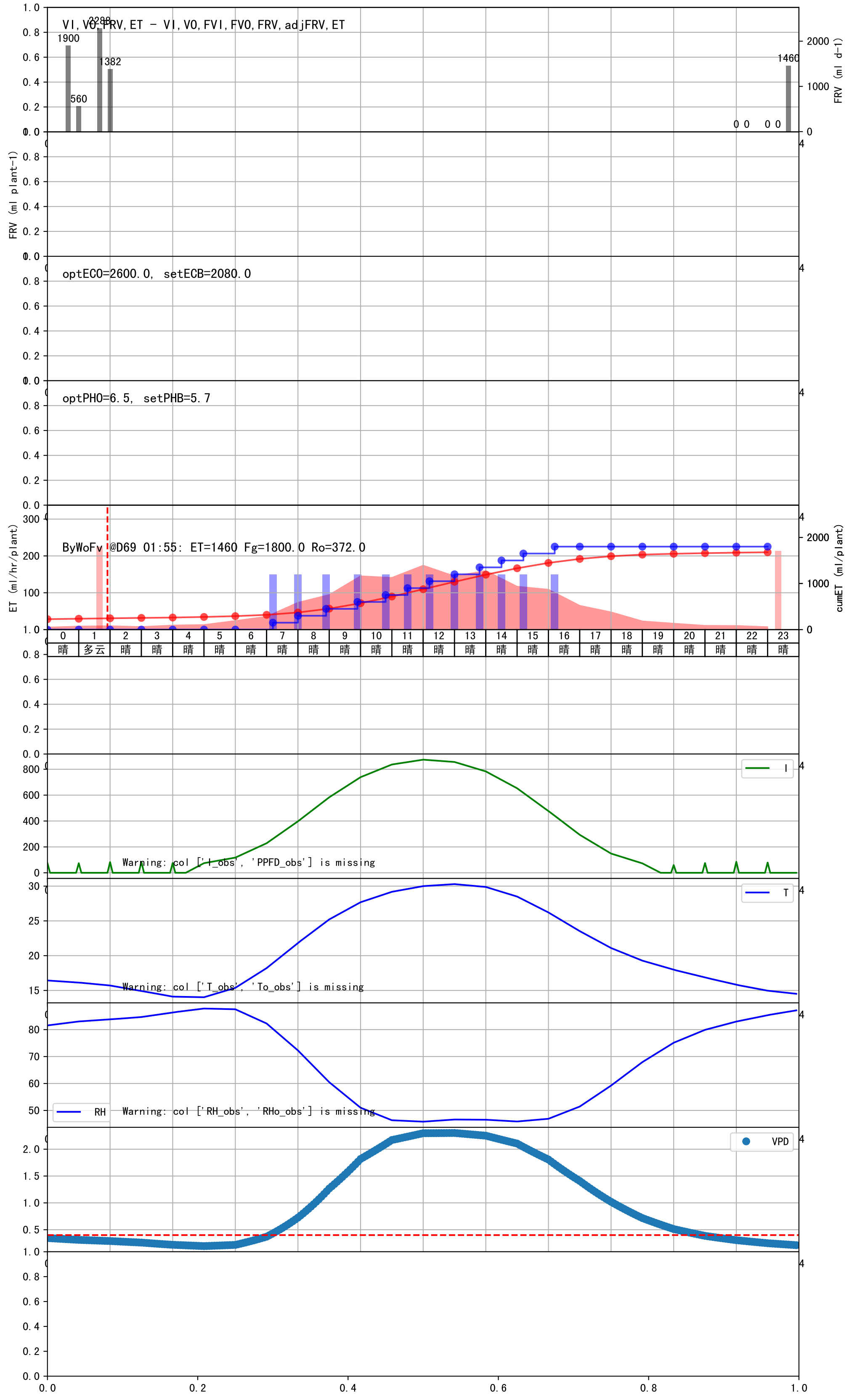


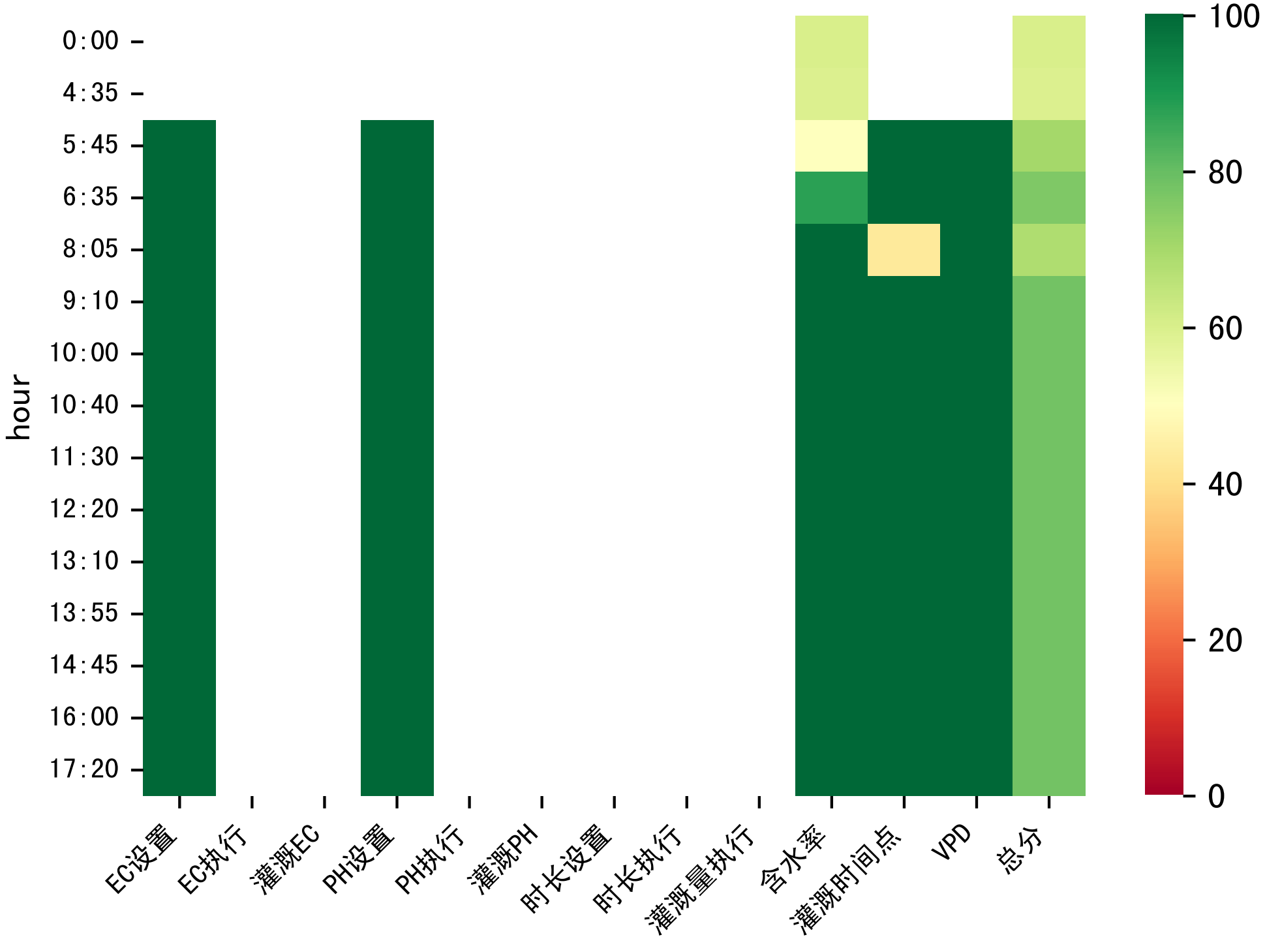

hour
0:00
7:00
7:10
8:00
8:55
9:55
10:45
11:30
12:15
13:00
13:45
14:30
15:15
16:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:10	278	150.0	2.583	晴	预期@07:10 未知程序（未用传感器）
08:00	278	150.0	2.583	晴	预期@08:00 未知程序（未用传感器）
08:55	278	150.0	2.583	晴	预期@08:55 未知程序（未用传感器）
09:55	278	150.0	2.583	晴	预期@09:55 未知程序（未用传感器）
10:45	278	150.0	2.583	晴	预期@10:45 未知程序（未用传感器）
11:30	278	150.0	2.583	晴	预期@11:30 未知程序（未用传感器）
12:15	278	150.0	2.583	晴	预期@12:15 未知程序（未用传感器）
13:00	278	150.0	2.583	晴	预期@13:00 未知程序（未用传感器）
13:45	278	150.0	2.583	晴	预期@13:45 未知程序（未用传感器）
14:30	278	150.0	2.583	晴	预期@14:30 未知程序（未用传感器）
15:15	278	150.0	2.583	晴	预期@15:15 未知程序（未用传感器）
16:10	278	150.0	2.583	晴	预期@16:10 未知程序（未用传感器）
总计	3336.0 (12次)	1800.0			建议进液EC：2080.0， PH：5.7

进回液EC差(1820.0 vs 3780.0)过高

P3-7_0, Day=69 (2025-06-06)

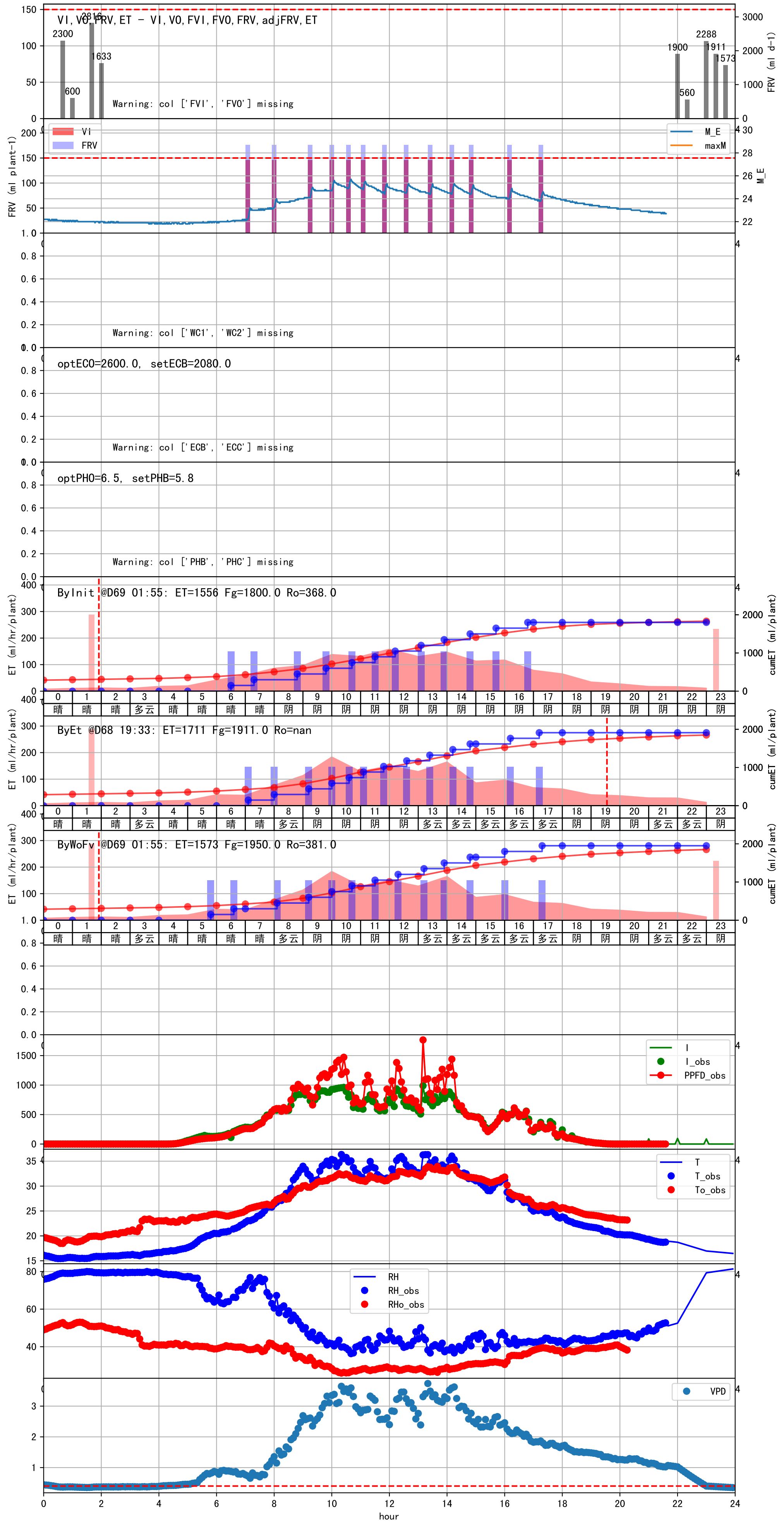



hour
0:00
4:35
5:45
6:35
8:05
9:10
10:00
10:40
11:30
12:20
13:10
13:55
14:45
16:00
17:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
05:45	273	150.0	2.583	晴	假设@05:45 自动（未用传感器）
06:35	273	150.0	2.583	晴	假设@06:35 自动（未用传感器）
08:05	273	150.0	2.583	多云	假设@08:05 自动（未用传感器）
09:10	273	150.0	2.583	阴	假设@09:10 自动（未用传感器）
10:00	273	150.0	2.583	阴	假设@10:00 自动（未用传感器）
10:40	273	150.0	2.583	阴	假设@10:40 自动（未用传感器）
11:30	273	150.0	2.583	阴	假设@11:30 自动（未用传感器）
12:20	273	150.0	2.583	阴	假设@12:20 自动（未用传感器）
13:10	273	150.0	2.583	多云	假设@13:10 自动（未用传感器）
13:55	273	150.0	2.583	多云	假设@13:55 自动（未用传感器）
14:45	273	150.0	2.583	多云	假设@14:45 自动（未用传感器）
16:00	273	150.0	2.583	多云	假设@16:00 自动（未用传感器）
17:20	273	150.0	2.583	多云	假设@17:20 自动（未用传感器）
总计	3549.0 (13次)	1950.0			建议进液EC：2080.0， PH：5.8

进回液EC差(1773.0 vs 3803.0)过高

P3-7_0, Day=68 (2025-06-05)



m=425, FV0=0

m=480, FV0=0

m=555, FV0=0

m=600,m FV0=0

m=635,m FV0=0

m=665,m FV0=0

m=710,m FV0=0

m=755,m FV0=0

m=805,m FV0=0

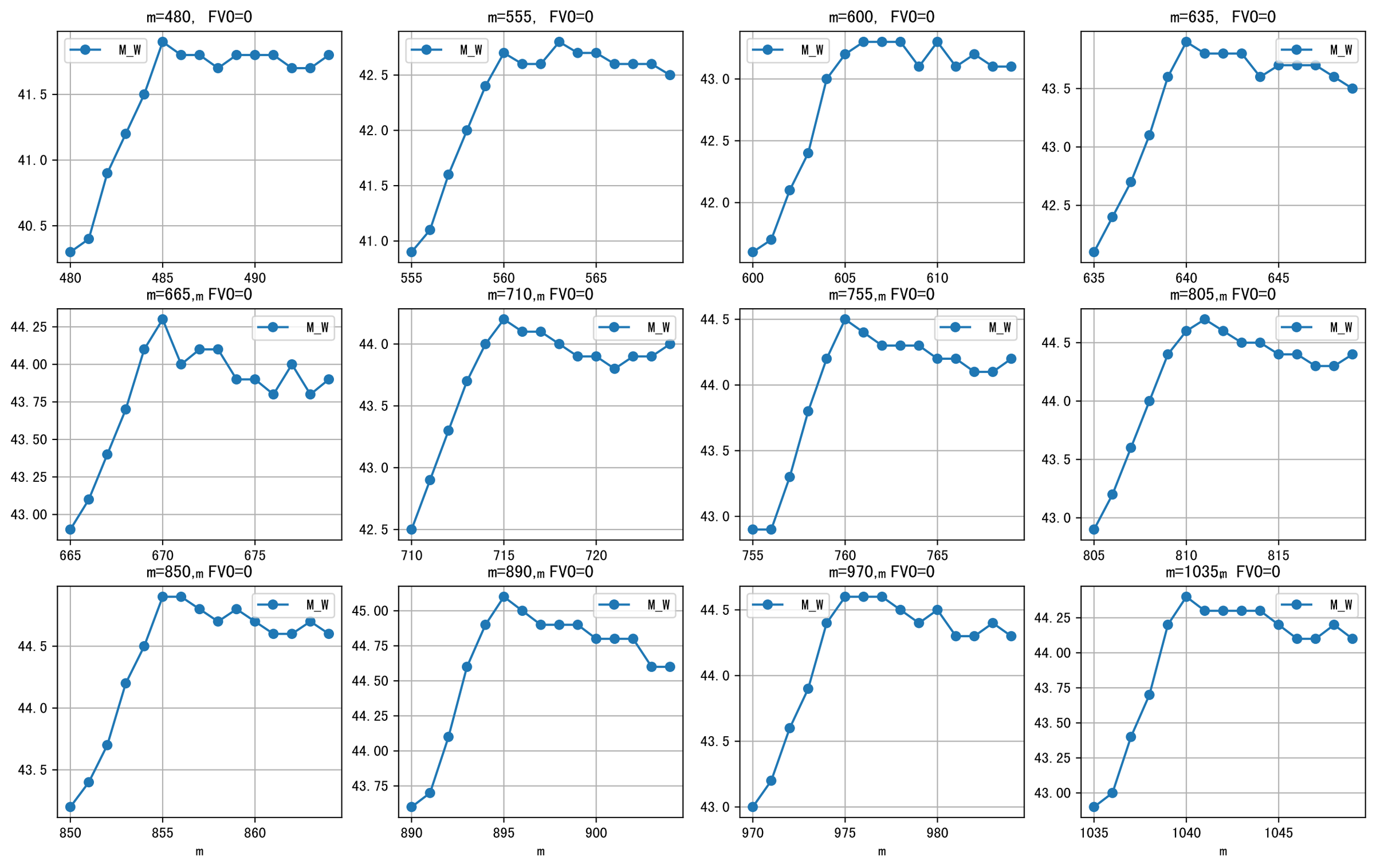
m=850,m FV0=0

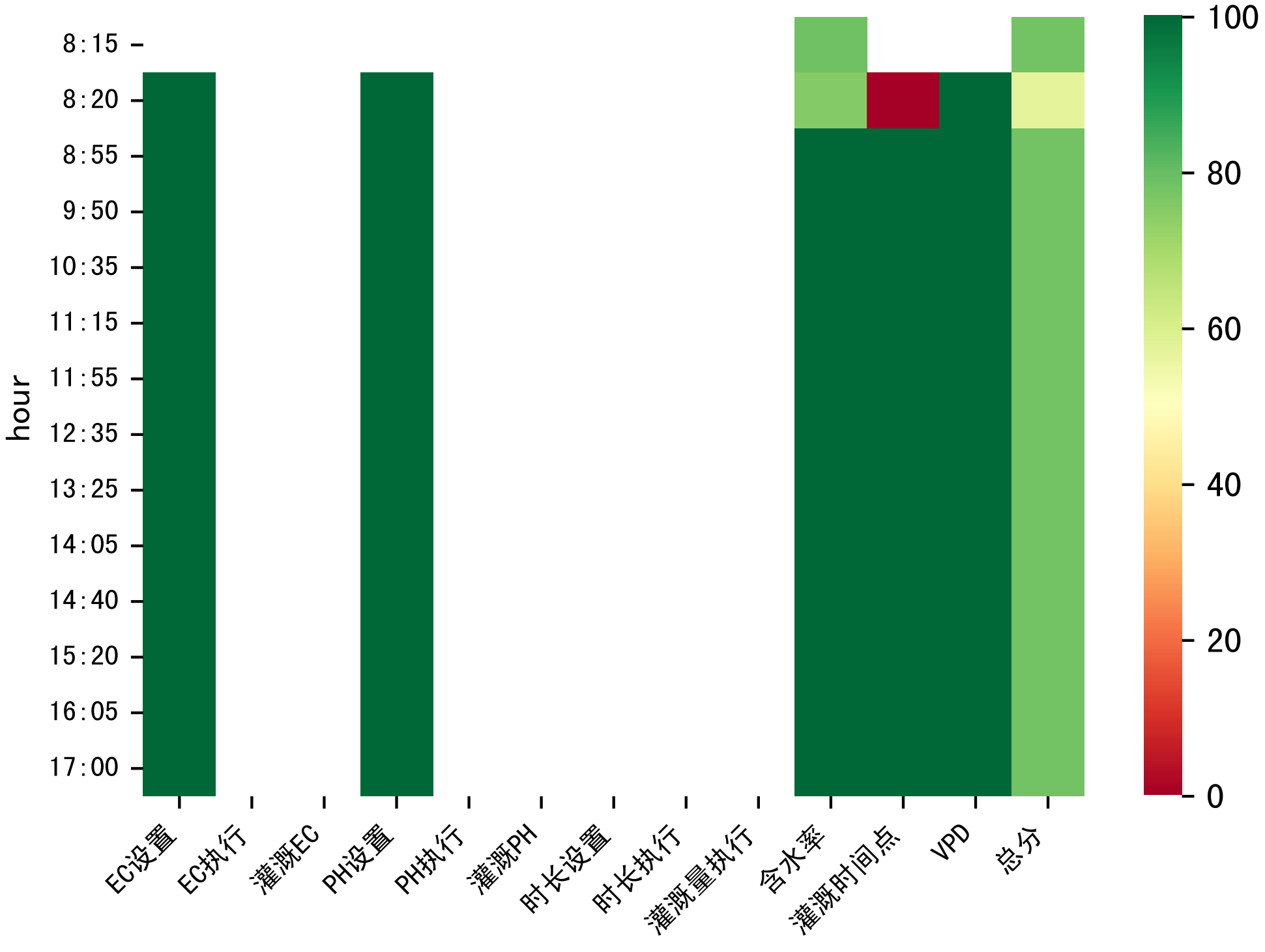
m=890,m FV0=0

m=970,m FV0=0

m=1035m FV0=0

m=425,m FV0=0

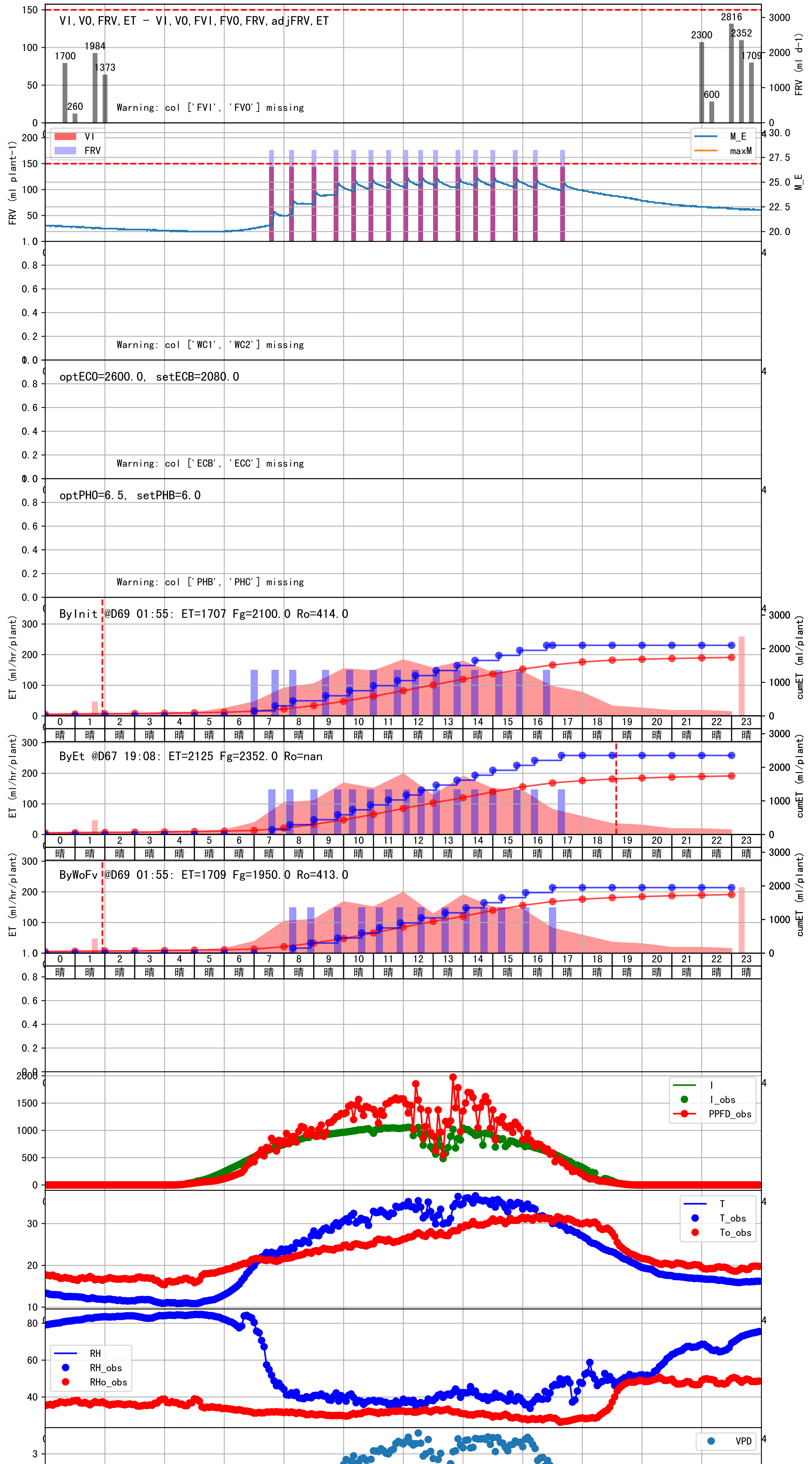

m=480, FV0=0
m=555, FV0=0
m=600, FV0=0
m=635, FV0=0
m=665,m FV0=0
m=710,m FV0=0
m=755,m FV0=0
m=805,m FV0=0
m=850,m FV0=0
m=890,m FV0=0
m=970,m FV0=0
m=1035m FV0=0
M_W
m

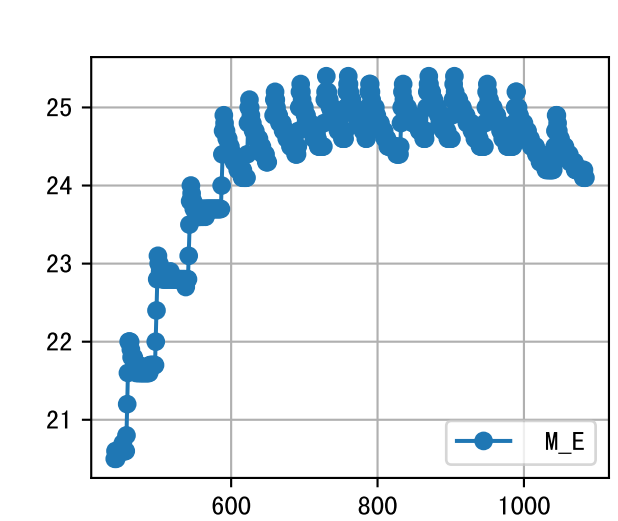

hour
8:15
8:20
8:55
9:50
10:35
11:15
11:55
12:35
13:25
14:05
14:40
15:20
16:05
17:00
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

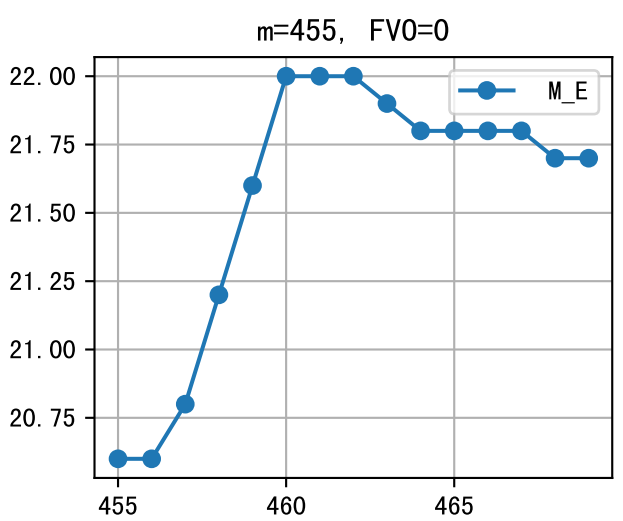
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	273	150.0	2.583	晴	假设@08:20 自动（未用传感器）
08:55	273	150.0	2.583	晴	假设@08:55 自动（未用传感器）
09:50	273	150.0	2.583	晴	假设@09:50 自动（未用传感器）
10:35	273	150.0	2.583	晴	假设@10:35 自动（未用传感器）
11:15	273	150.0	2.583	晴	假设@11:15 自动（未用传感器）
11:55	273	150.0	2.583	晴	假设@11:55 自动（未用传感器）
12:35	273	150.0	2.583	晴	假设@12:35 自动（未用传感器）
13:25	273	150.0	2.583	晴	假设@13:25 自动（未用传感器）
14:05	273	150.0	2.583	晴	假设@14:05 自动（未用传感器）
14:40	273	150.0	2.583	晴	假设@14:40 自动（未用传感器）
15:20	273	150.0	2.583	晴	假设@15:20 自动（未用传感器）
16:05	273	150.0	2.583	晴	假设@16:05 自动（未用传感器）
17:00	273	150.0	2.583	晴	假设@17:00 自动（未用传感器）
总计	3549.0 (13次)	1950.0			建议进液EC：2080.0， PH：6.0

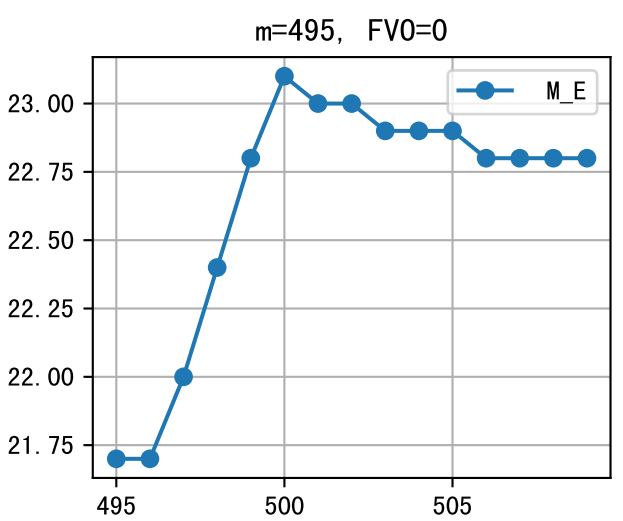
large discrepency for begining water status (47:284.0), set to 47 ml.
进回液EC差(1780.0 vs 3540.0)过高

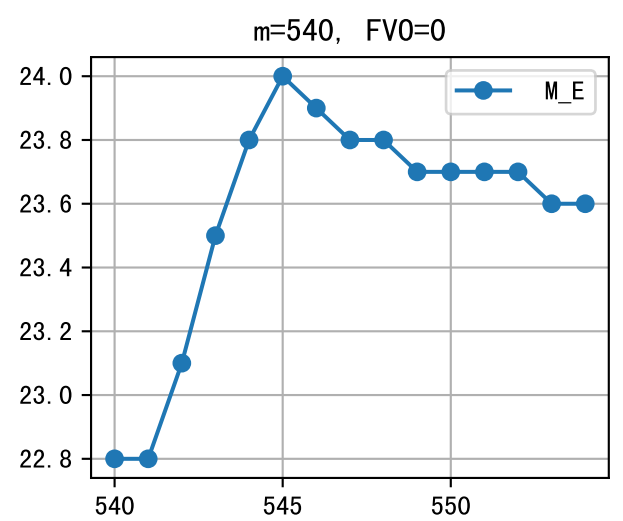
P3-7_0, Day=67 (2025-06-04)

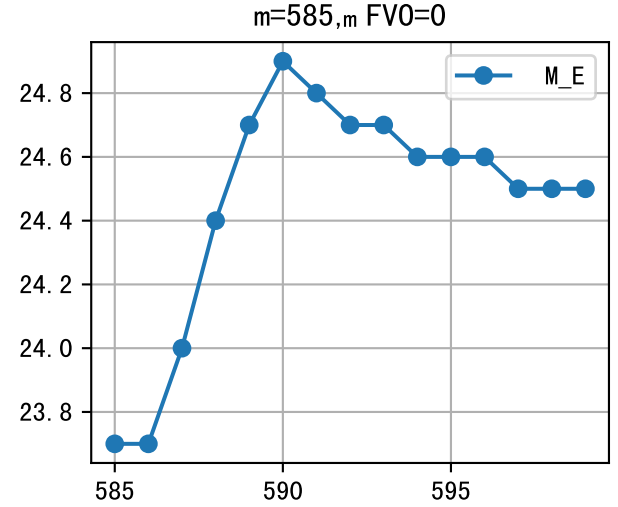


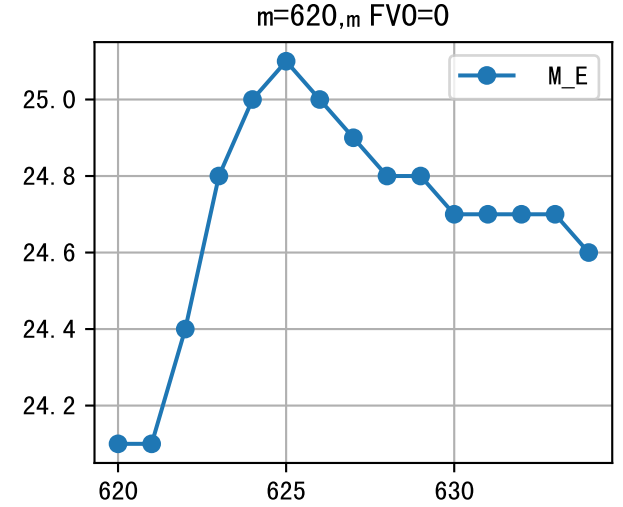

M_E

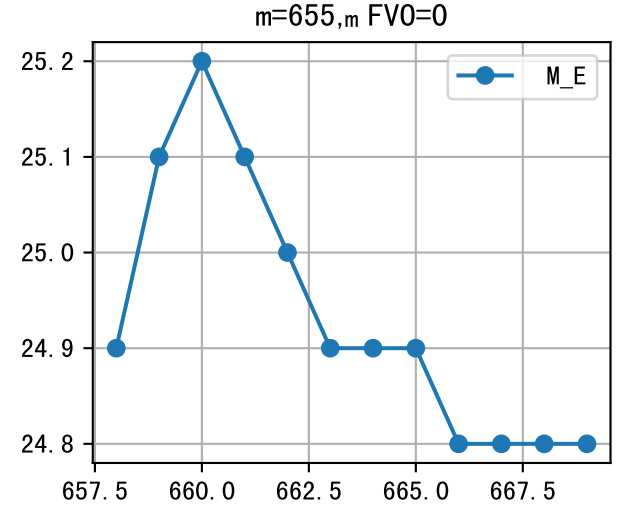

m=455, FV0=0
M_E

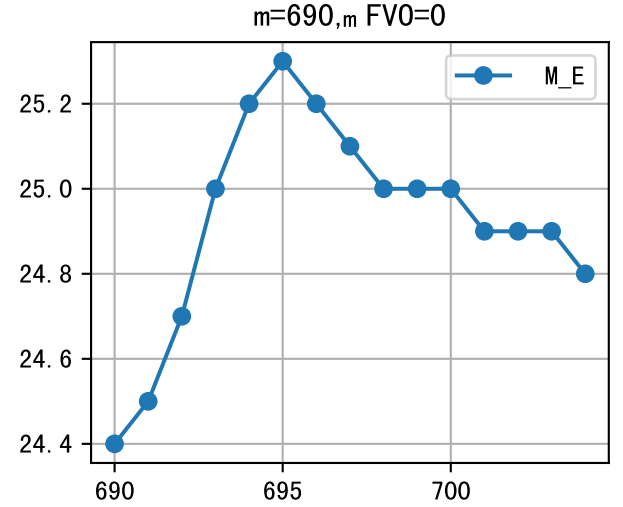

m=495, FV0=0
M_E

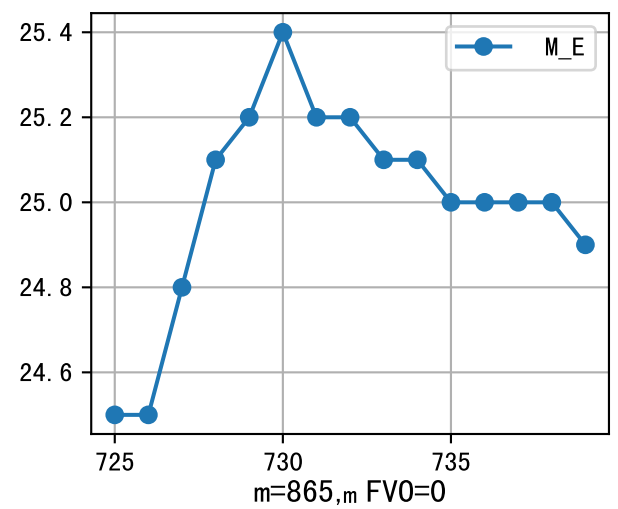

m=540, FV0=0
M_E

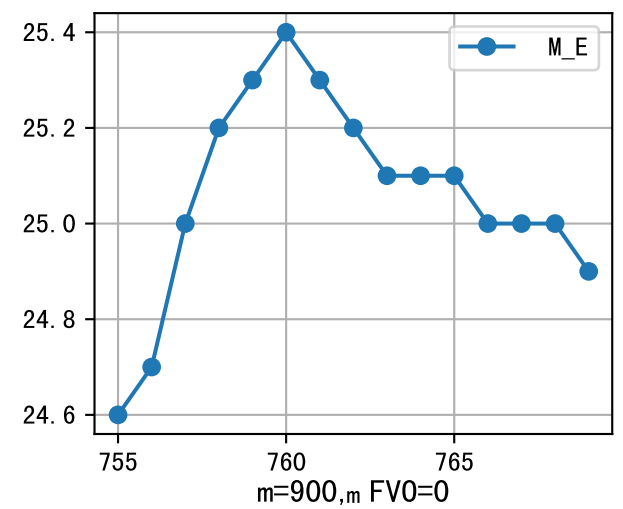

m=585,m FV0=0
M_E

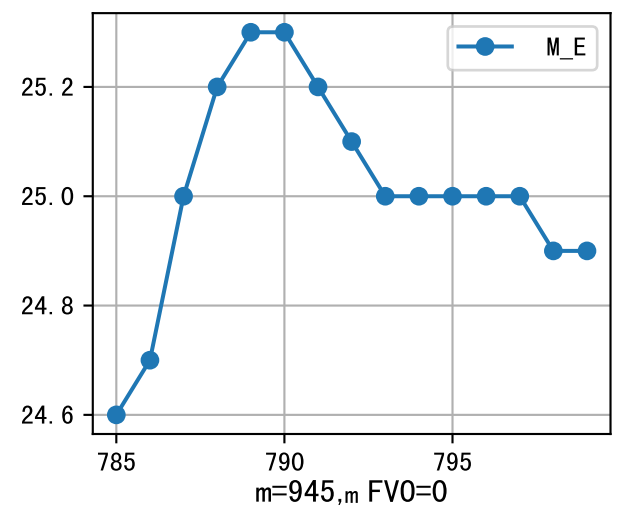

m=620,m FV0=0
M_E

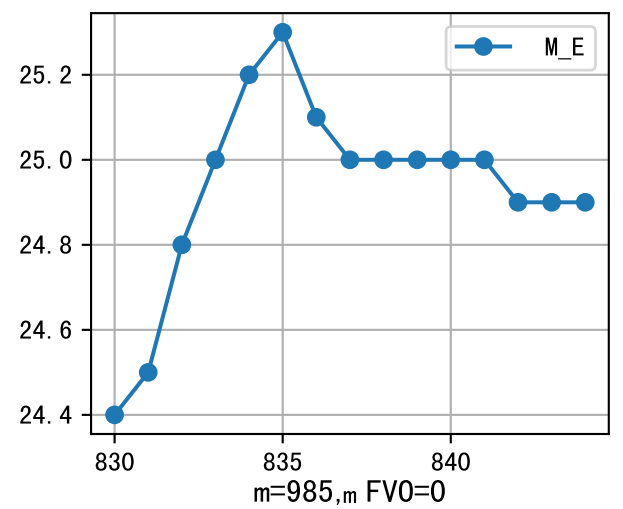

m=655,m FV0=0
M_E

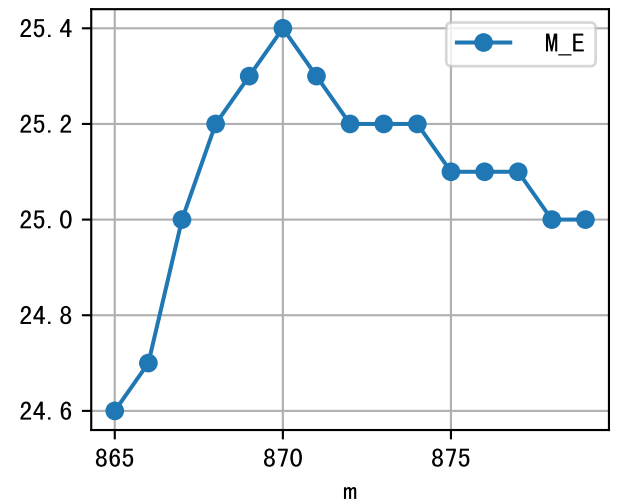

m=690,m FV0=0
M_E

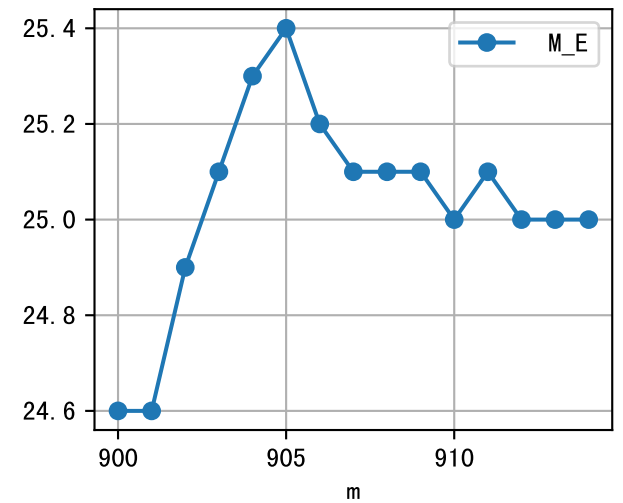

m=725,m FV0=0
M_E

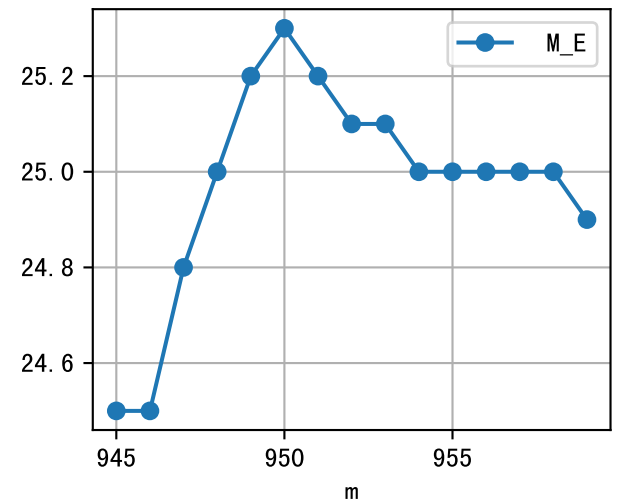

m=755,m FV0=0
M_E

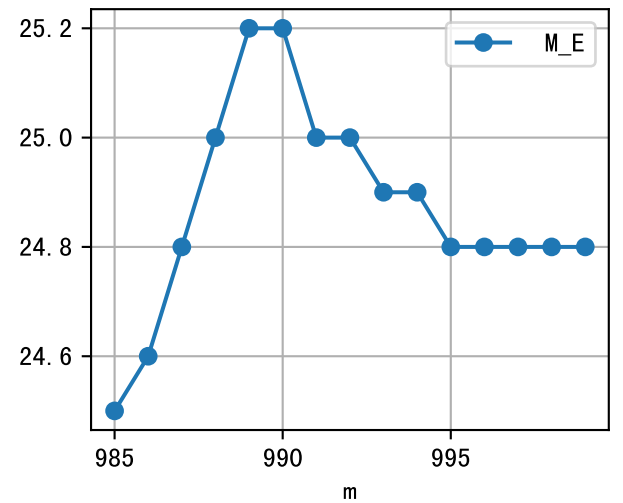

m=785,m FV0=0
M_E

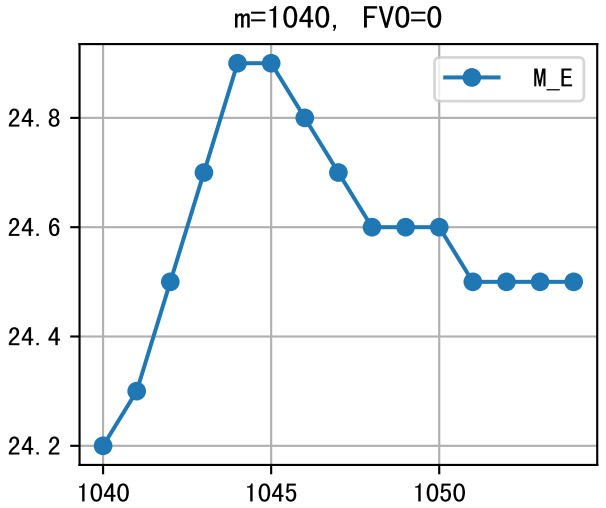

m=830,m FV0=0
M_E

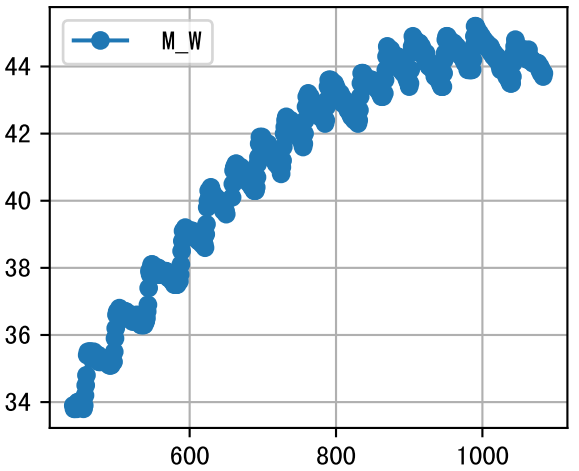

m=865,m FV0=0
M_E
m

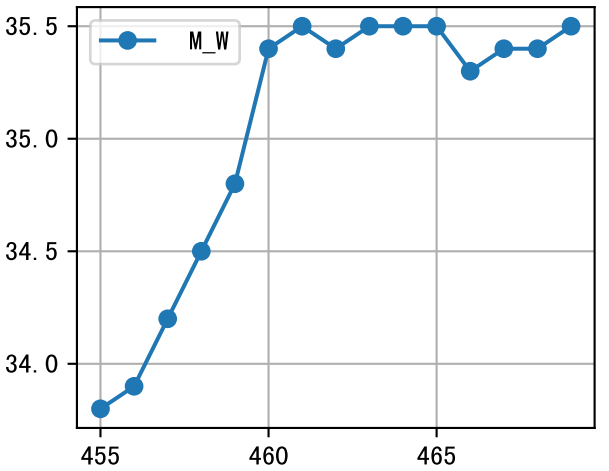

m=900,m FV0=0
M_E
m

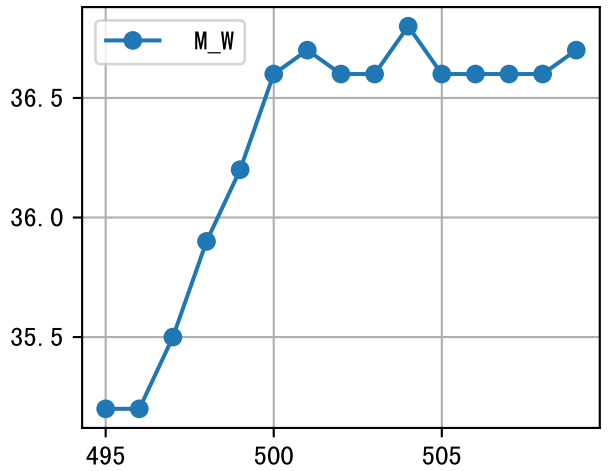

m=945,m FV0=0
M_E
m

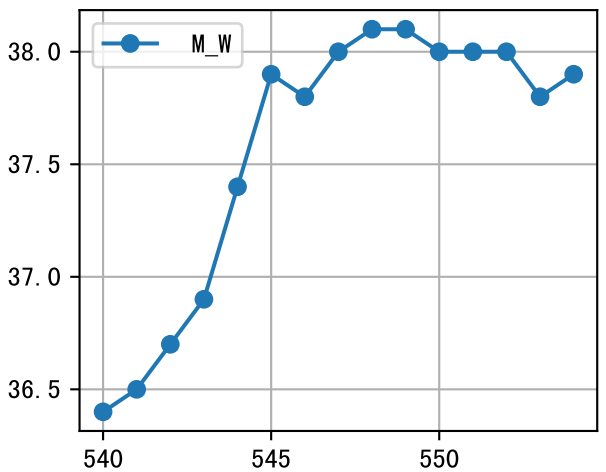

m=985,m FV0=0
M_E
m

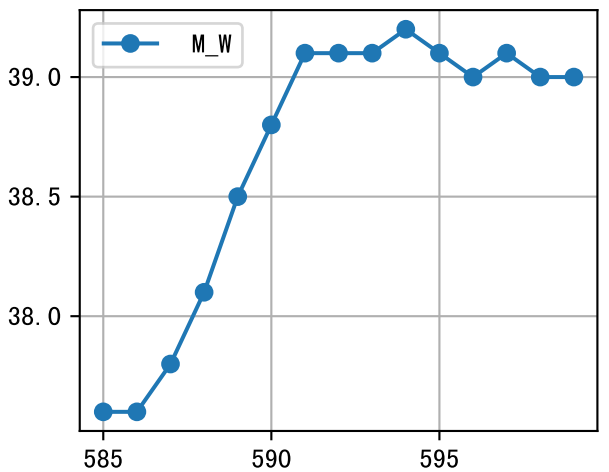

m=1040, FV0=0
M_E
24.8
24.6
24.4
24.2
1040
1045
1050

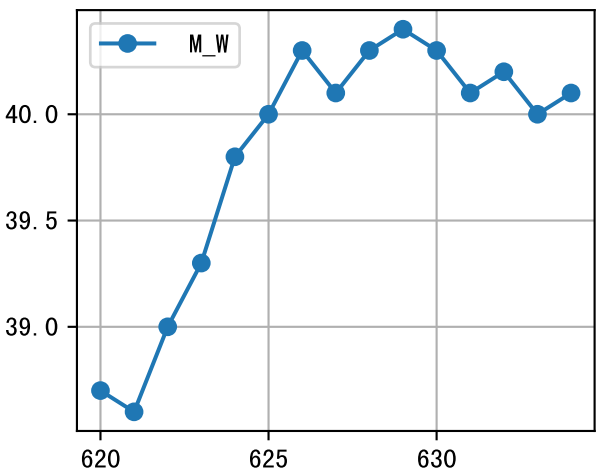

M_W
44
42
40
38
36
34
600
800
1000

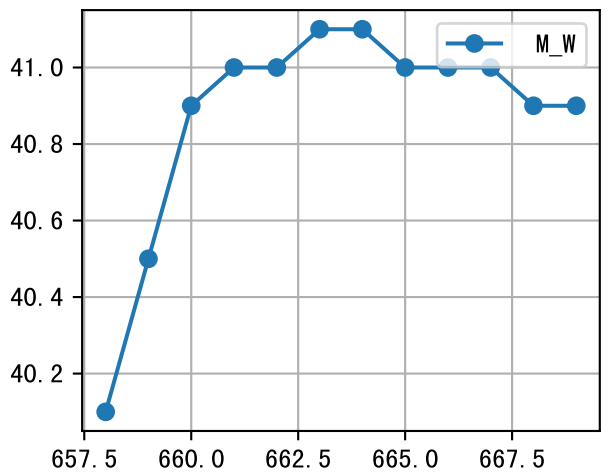

m=455, FV0=0
M_W
35.5
35.0
34.5
34.0
455
460
465

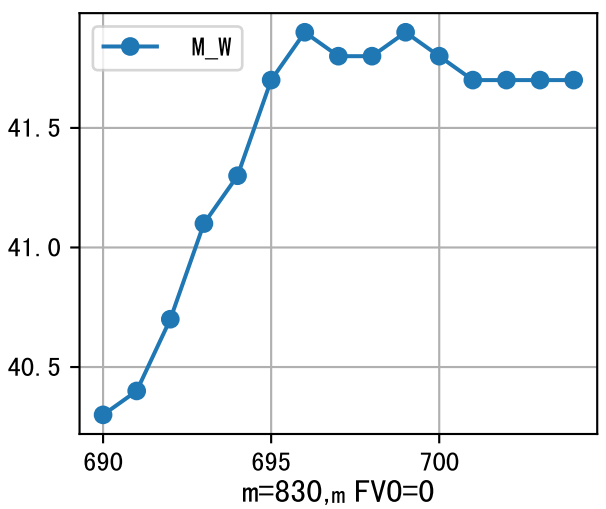

m=495, FV0=0
M_W
36.5
36.0
35.5
495
500
505

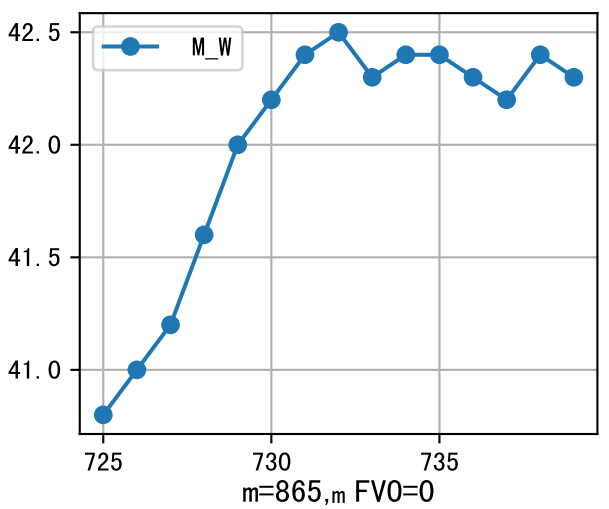

m=540,m FV0=0
M_W
38.0
37.5
37.0
36.5
540
545
550
m=690,m FV0=0

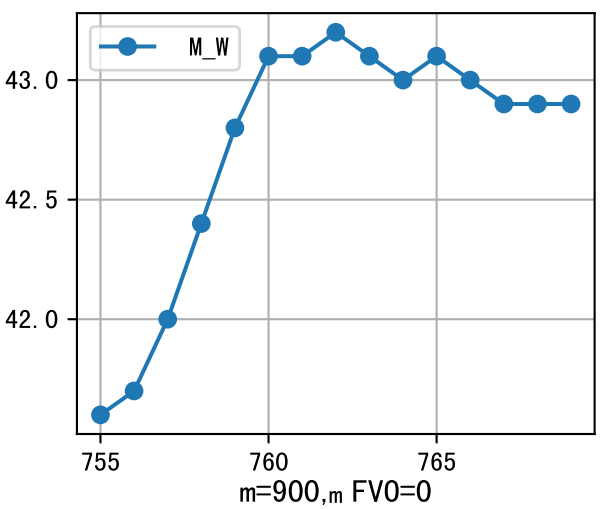

m=585,m FV0=0
M_W
39.0
38.5
38.0
585
590
595
m=725,m FV0=0

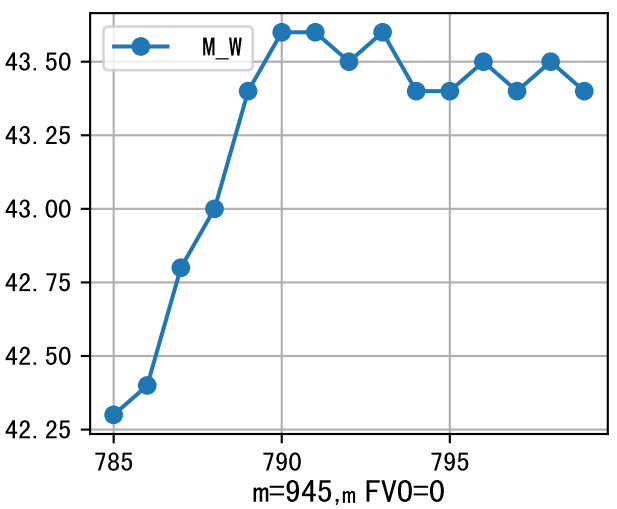

m=620,m FV0=0
M_W
40.0
39.5
39.0
620
625
630
m=755,m FV0=0

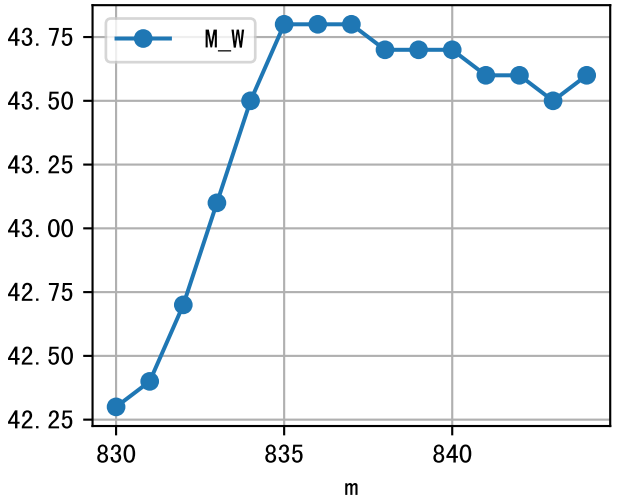

m=655,m FV0=0
M_W
41.0
40.8
40.6
40.4
40.2
657.5
660.0
662.5
665.0
667.5
m=785,m FV0=0

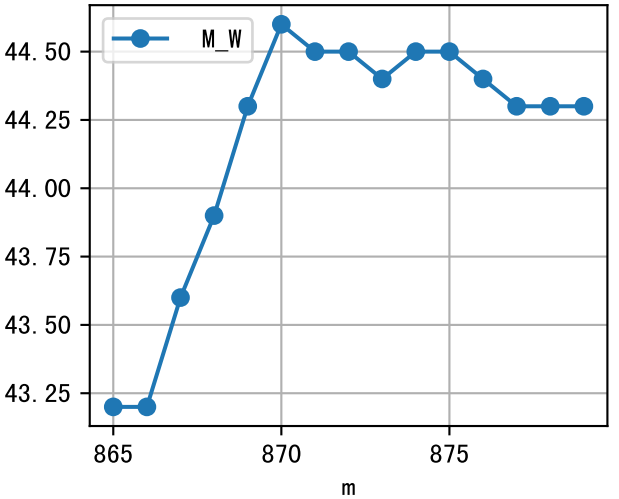

M_W
41.5
41.0
40.5
690
695
700
m=830,m FV0=0

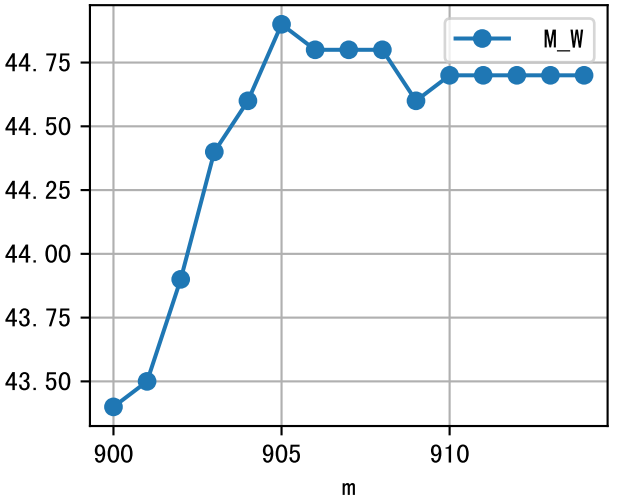

M_W
42.5
42.0
41.5
41.0
725
730
735
m=865,m FV0=0

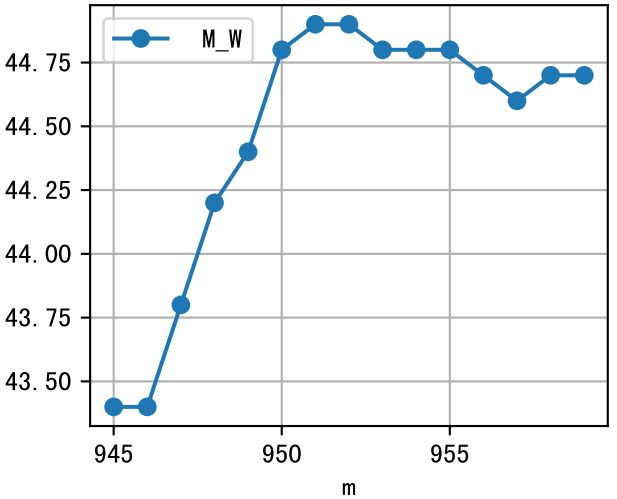

M_W
43.0
42.5
42.0
755
760
765
m=900,m FV0=0

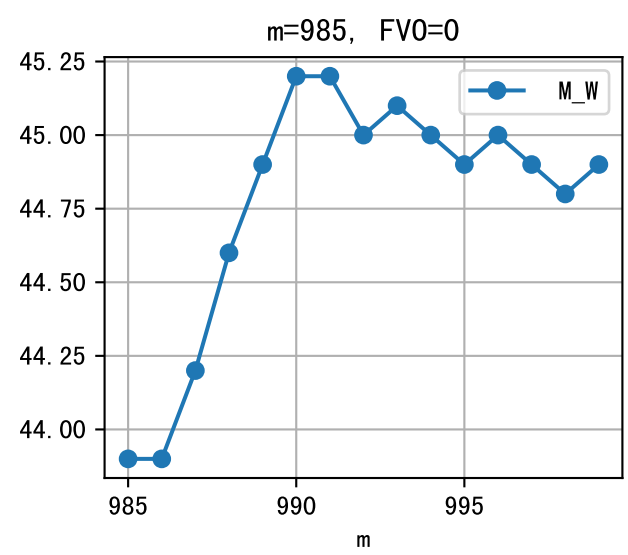

M_W
43.50
43.25
43.00
42.75
42.50
42.25
785
790
795
m=945,m FV0=0

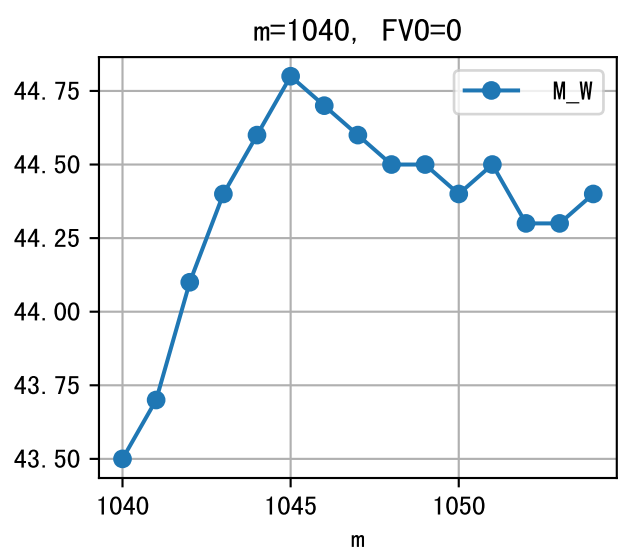

M_W
43.75
43.50
43.25
43.00
42.75
42.50
42.25
830
835
840
m

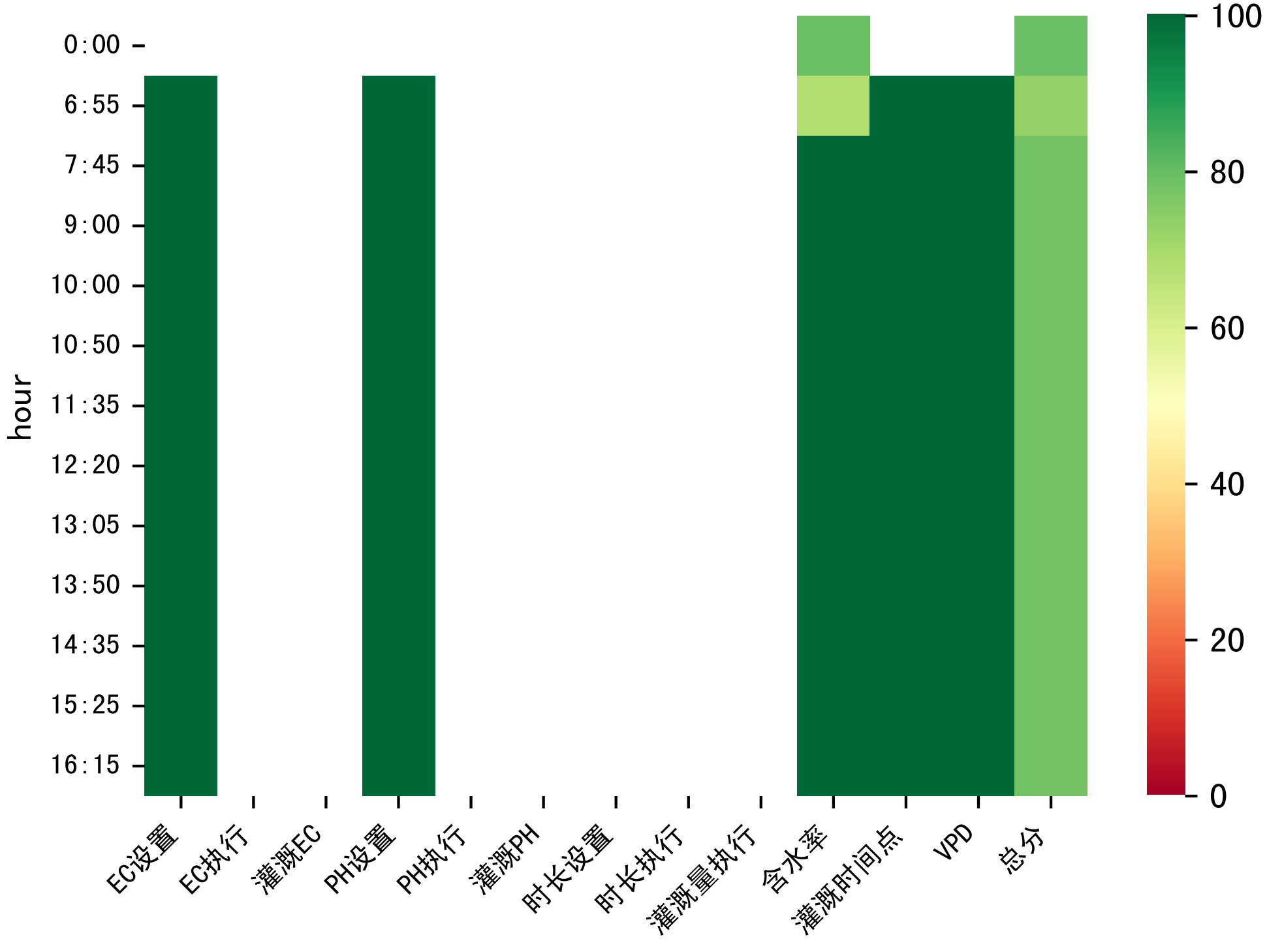

M_W
44.50
44.25
44.00
43.75
43.50
43.25
865
870
875
m


M_W
44.75
44.50
44.25
44.00
43.75
43.50
900
905
910
m


M_W
44.75
44.50
44.25
44.00
43.75
43.50
945
950
955
m


m=985, FV0=0
M_W
45.25
45.00
44.75
44.50
44.25
44.00
985
990
995
m

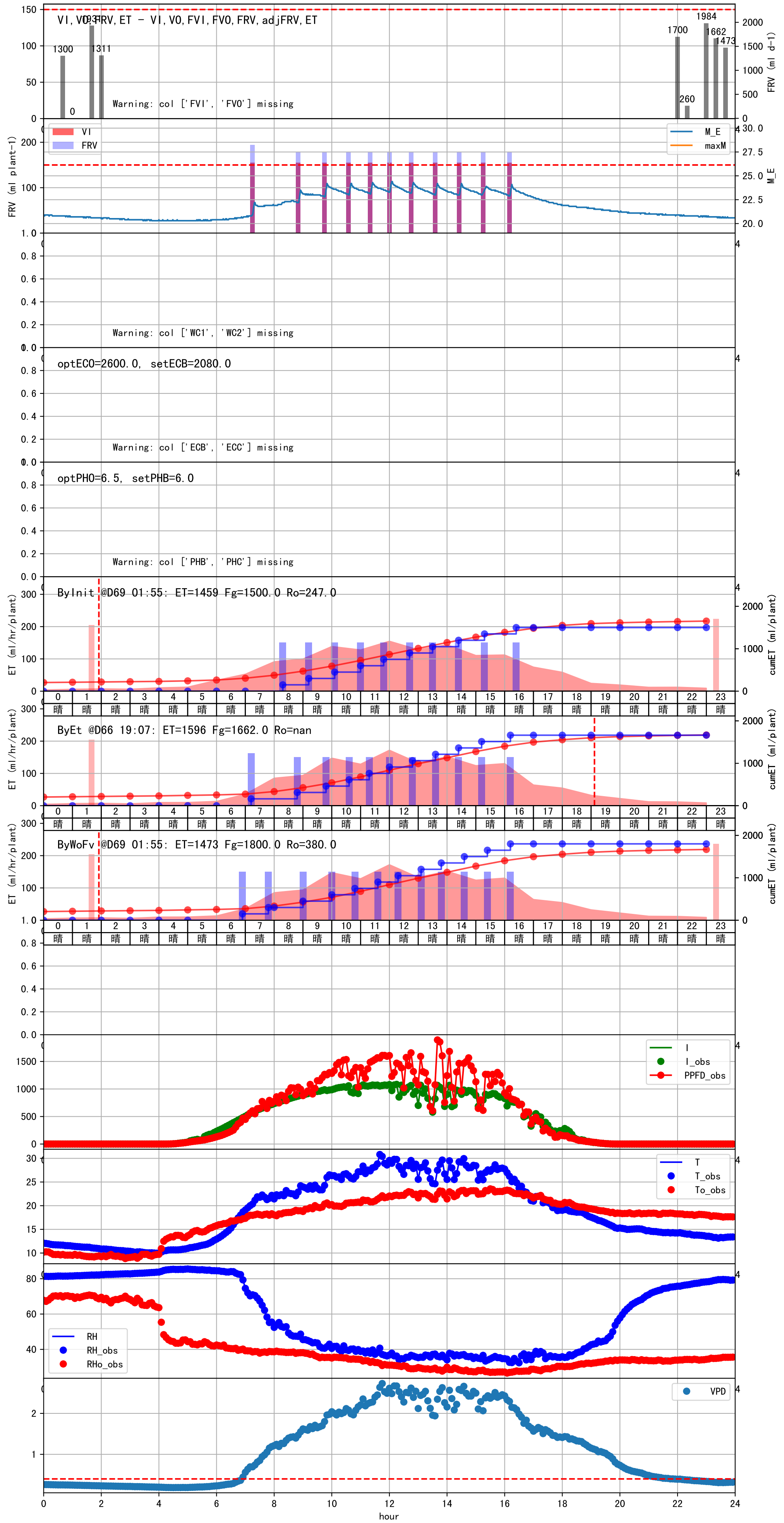

m=1040, FV0=0
M_W
44.75
44.50
44.25
44.00
43.75
43.50
1040
1045
1050
m

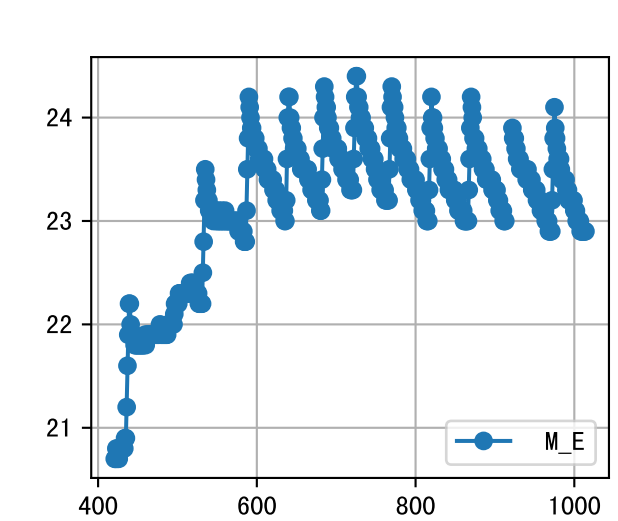

hour
0:00
6:55
7:45
9:00
10:00
10:50
11:35
12:20
13:05
13:50
14:35
15:25
16:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

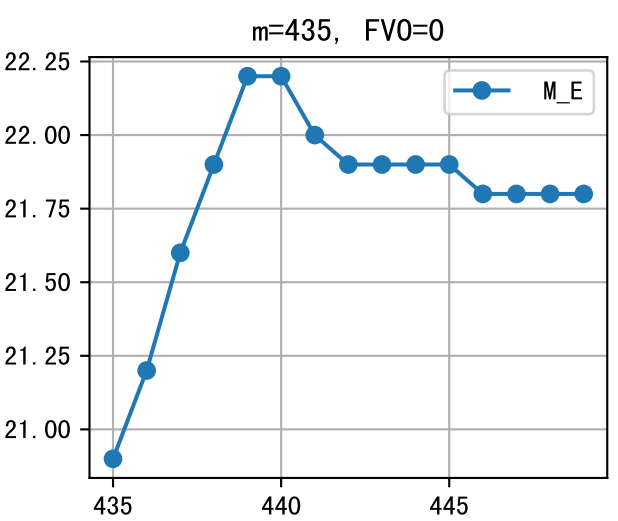
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:55	300	150.0	2.583	晴	假设@06:55 手动（未用传感器）
07:45	300	150.0	2.583	晴	假设@07:45 手动（未用传感器）
09:00	300	150.0	2.583	晴	假设@09:00 手动（未用传感器）
10:00	300	150.0	2.583	晴	假设@10:00 手动（未用传感器）
10:50	300	150.0	2.583	晴	假设@10:50 手动（未用传感器）
11:35	300	150.0	2.583	晴	假设@11:35 手动（未用传感器）
12:20	300	150.0	2.583	晴	假设@12:20 手动（未用传感器）
13:05	300	150.0	2.583	晴	假设@13:05 手动（未用传感器）
13:50	300	150.0	2.583	晴	假设@13:50 手动（未用传感器）
14:35	300	150.0	2.583	晴	假设@14:35 手动（未用传感器）
15:25	300	150.0	2.583	晴	假设@15:25 手动（未用传感器）
16:15	300	150.0	2.583	晴	假设@16:15 手动（未用传感器）
总计	3600.0 (12次)	1800.0			建议进液EC：2080.0， PH：6.0

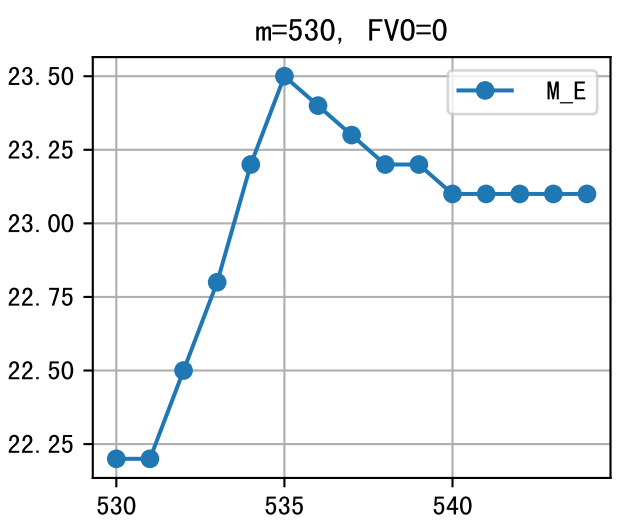
昨天进回液EC数据缺失.
进回液EC差(1860.0 vs 3327.0)过高
昨天灌溉进排液EC/PH值缺失，可能影响模型决策

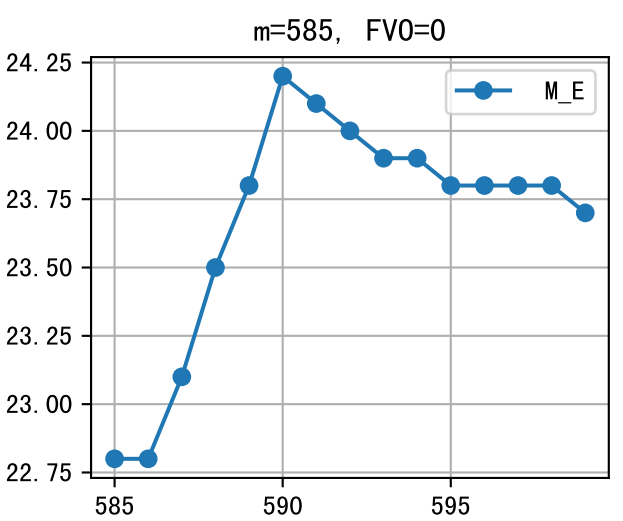
P3-7_0, Day=66 (2025-06-03)

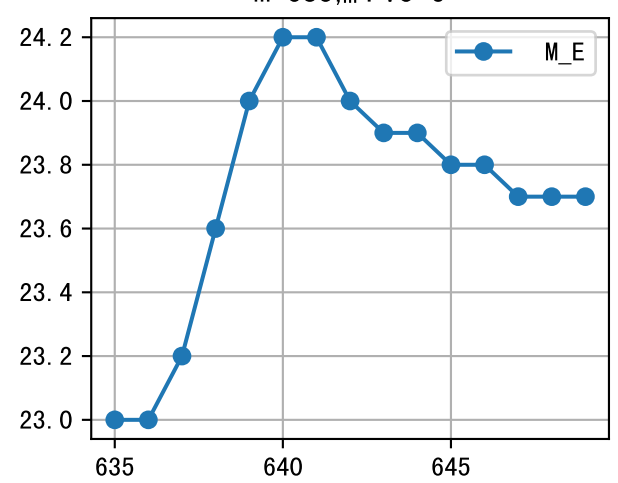


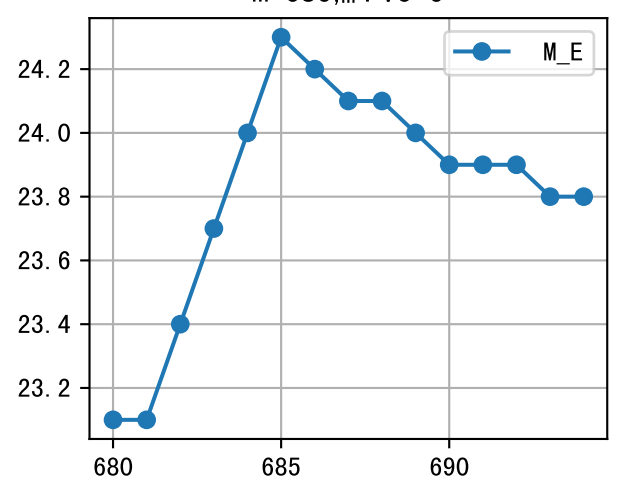

M_E

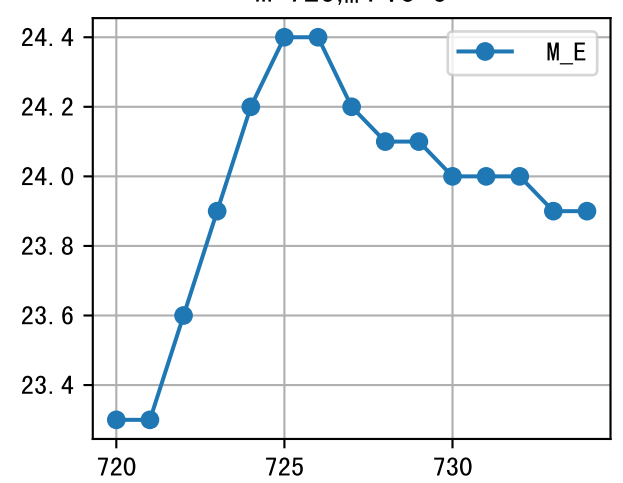

m=435, FV0=0
M_E

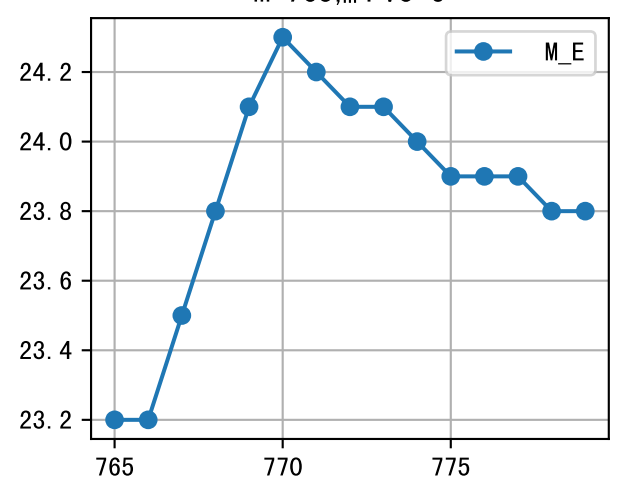

m=530, FV0=0
M_E

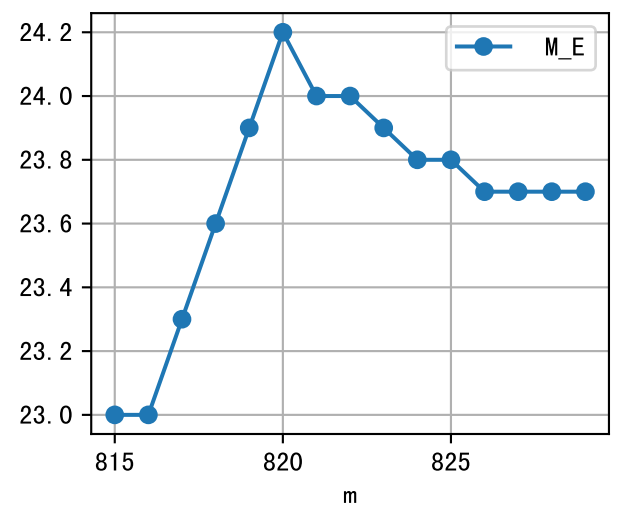

m=585, FV0=0
M_E

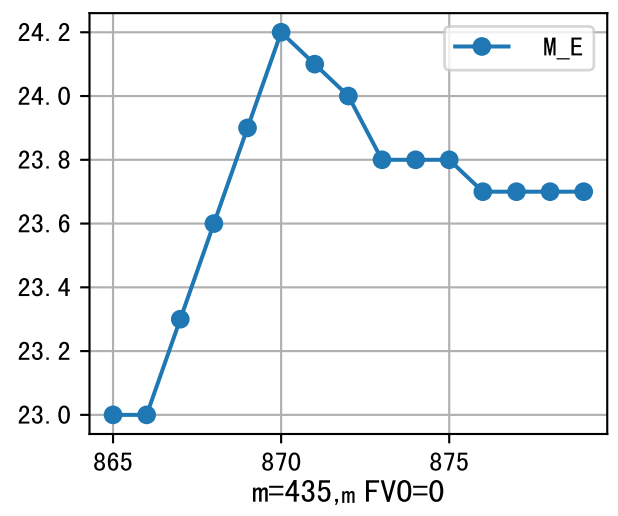

m=635,m FV0=0
M_E

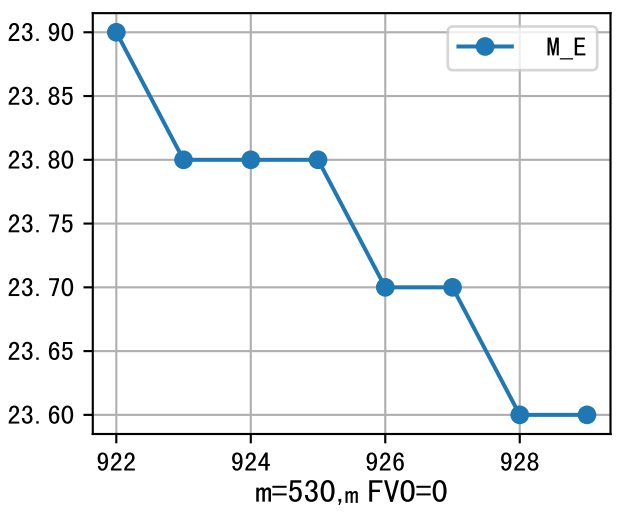

m=680,m FV0=0
M_E

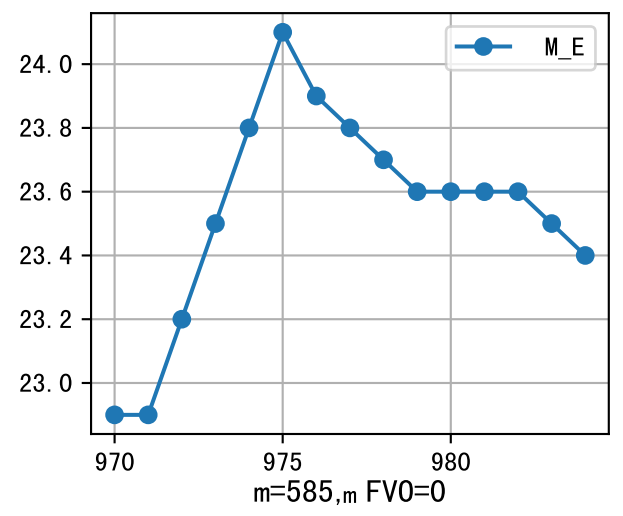

m=720,m FV0=0
M_E

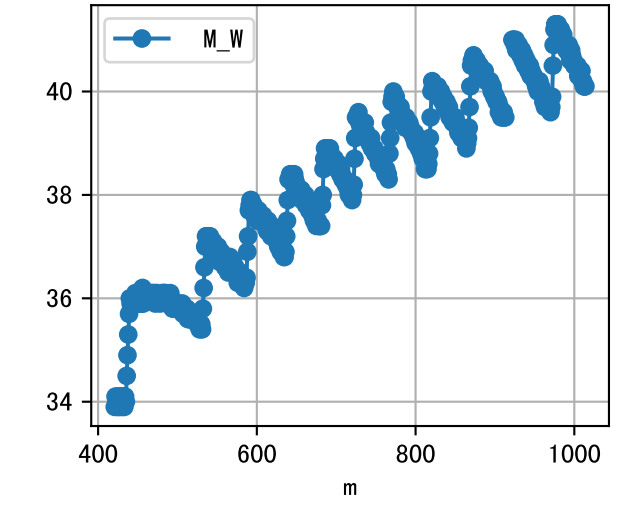

m=765,m FV0=0
M_E

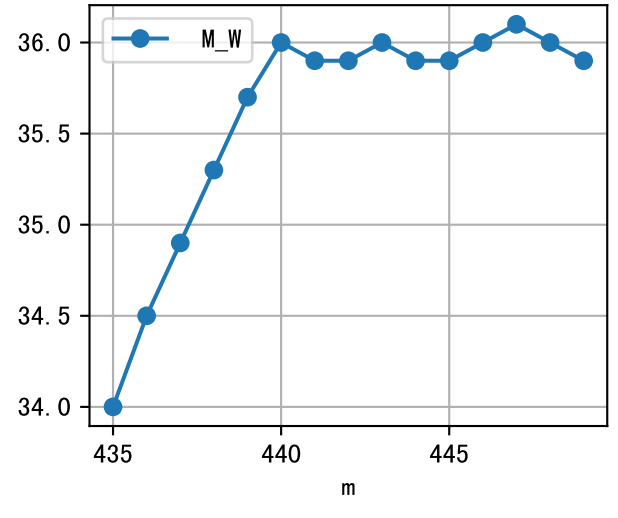

M_E
m

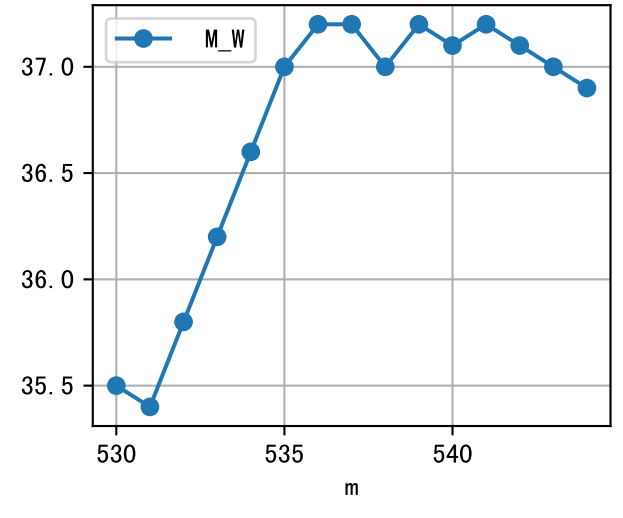

M_E
m=435,m FV0=0

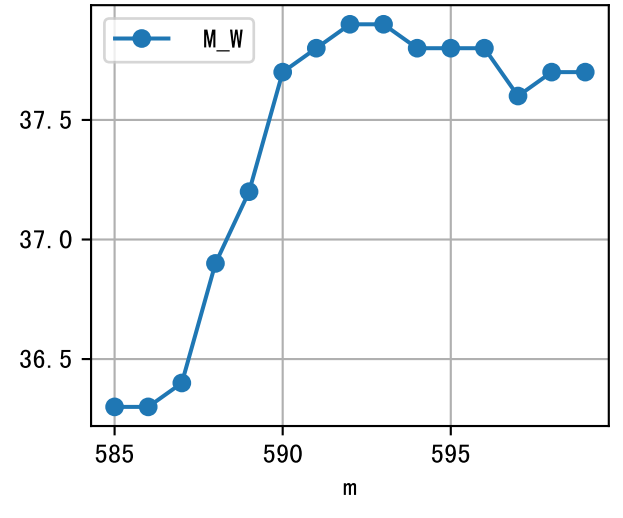

M_E
m=530,m FV0=0

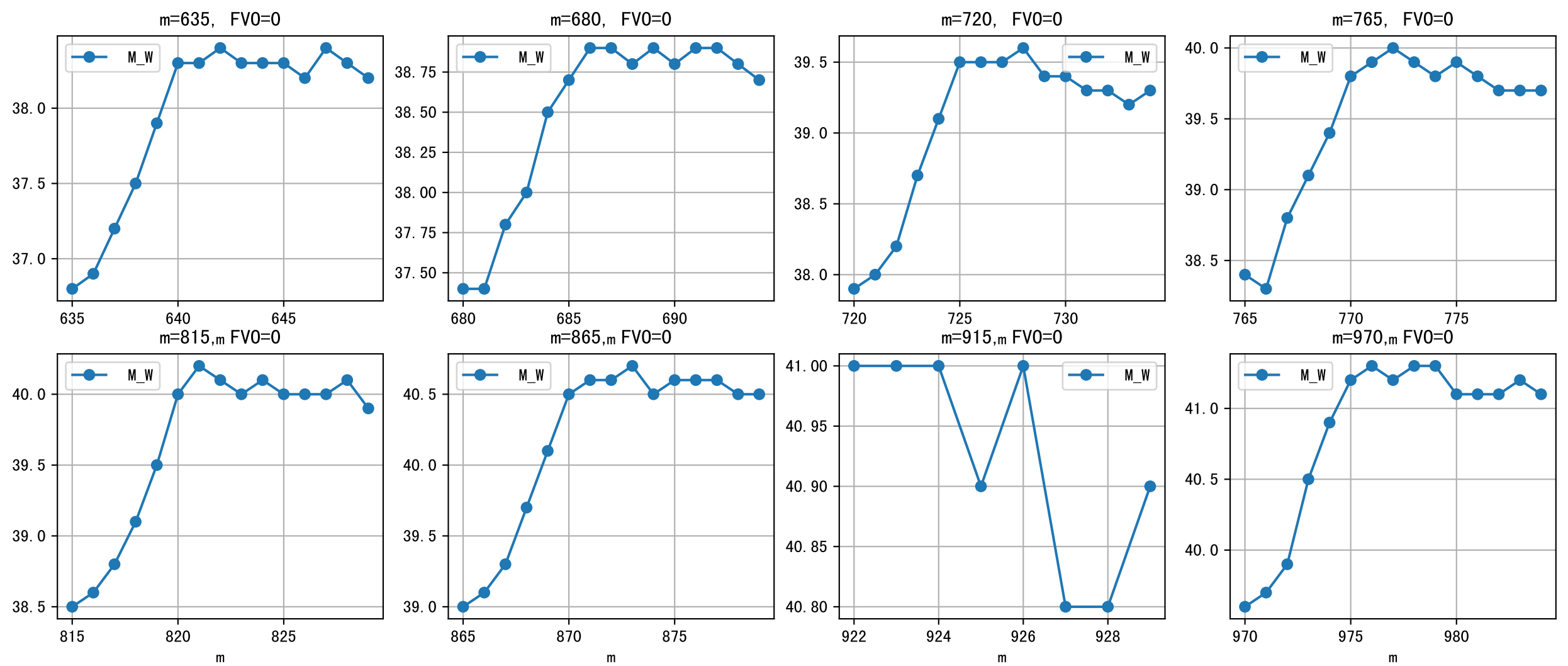

M_E
m=585,m FV0=0

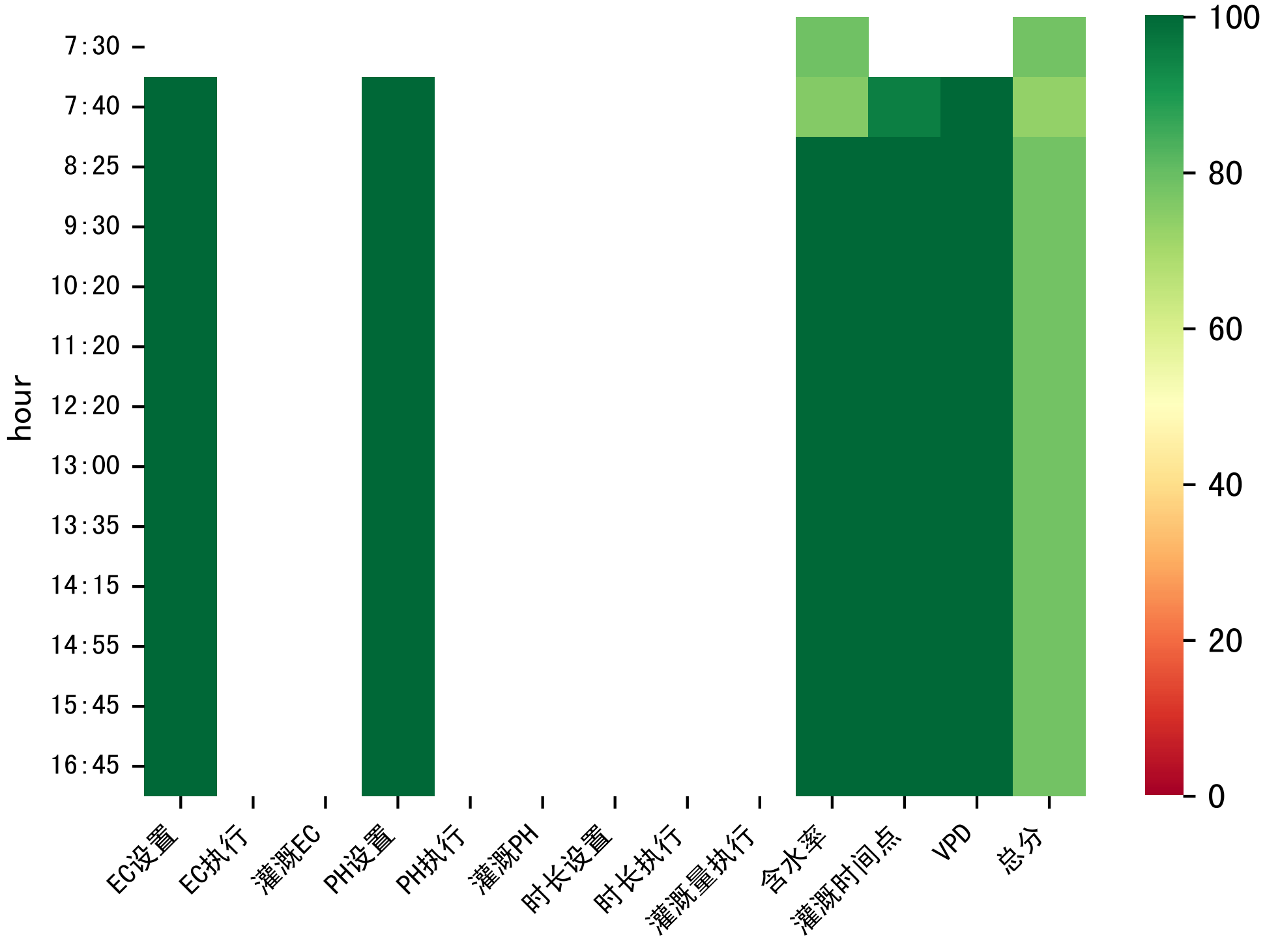

M_W
m


M_W
m


M_W
m


M_W
m

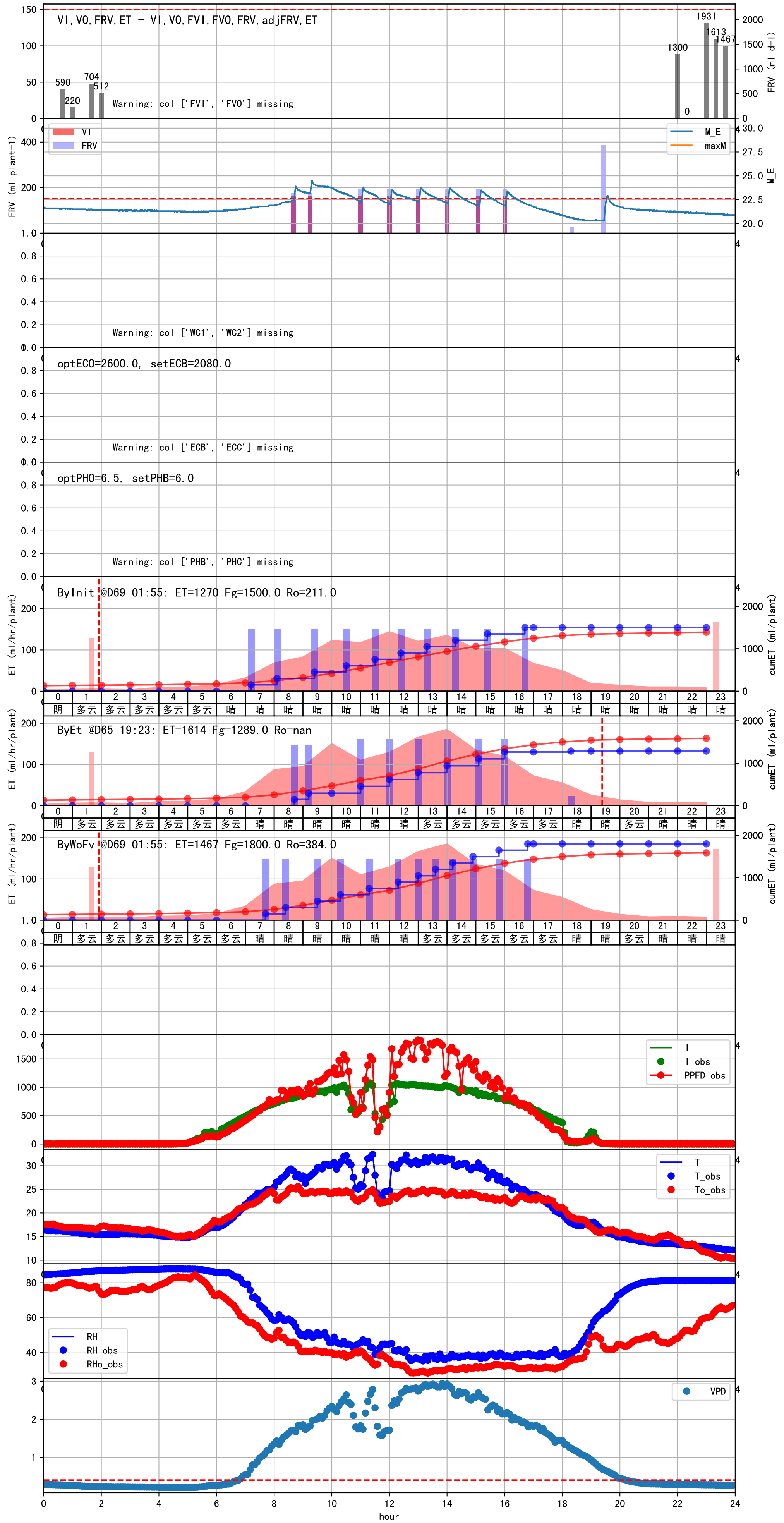

m=635, FV0=0
m=680, FV0=0
m=720, FV0=0
m=765, FV0=0
m=815,m FV0=0
m=865,m FV0=0
m=915,m FV0=0
m=970,m FV0=0
M_W
m

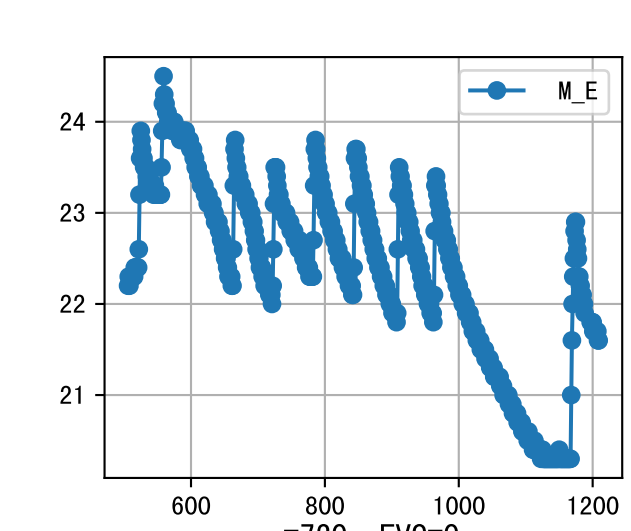

hour
7:30
7:40
8:25
9:30
10:20
11:20
12:20
13:00
13:35
14:15
14:55
15:45
16:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

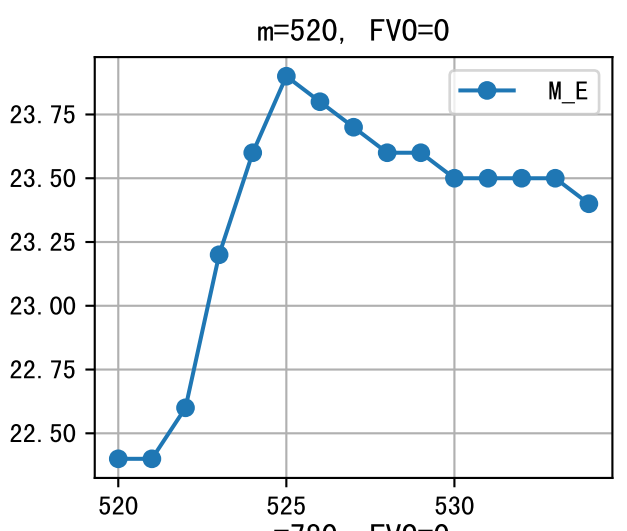
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:40	273	150.0	2.583	晴	假设@07:40 自动（未用传感器）
08:25	273	150.0	2.583	晴	假设@08:25 自动（未用传感器）
09:30	273	150.0	2.583	晴	假设@09:30 自动（未用传感器）
10:20	273	150.0	2.583	晴	假设@10:20 自动（未用传感器）
11:20	273	150.0	2.583	晴	假设@11:20 自动（未用传感器）
12:20	273	150.0	2.583	晴	假设@12:20 自动（未用传感器）
13:00	273	150.0	2.583	多云	假设@13:00 自动（未用传感器）
13:35	273	150.0	2.583	多云	假设@13:35 自动（未用传感器）
14:15	273	150.0	2.583	多云	假设@14:15 自动（未用传感器）
14:55	273	150.0	2.583	多云	假设@14:55 自动（未用传感器）
15:45	273	150.0	2.583	多云	假设@15:45 自动（未用传感器）
16:45	273	150.0	2.583	多云	假设@16:45 自动（未用传感器）
总计	3276.0 (12次)	1800.0			建议进液EC：2080.0， PH：6.0

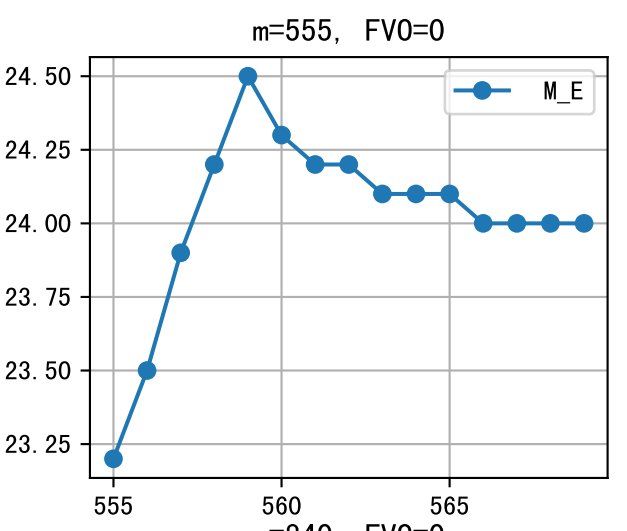
上次灌溉时长(600)与预期(278.0)不符， 可能由于多阀同灌按参考区灌溉
默认实际灌溉324.0 ml.
进回液EC差(1907.0 vs 3460.0)过高

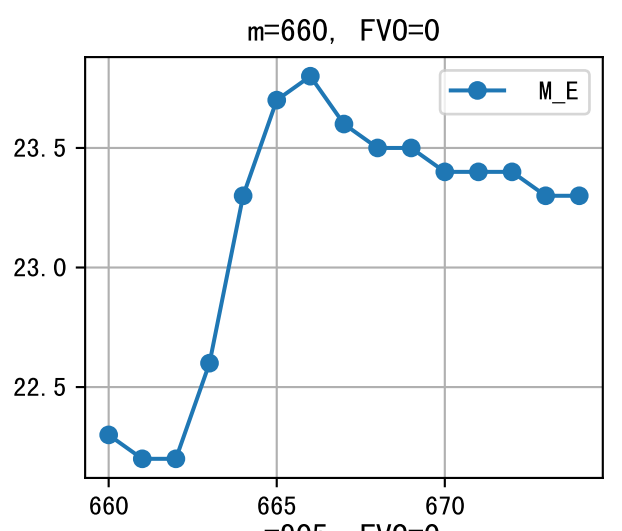
P3-7_0, Day=65 (2025-06-02)

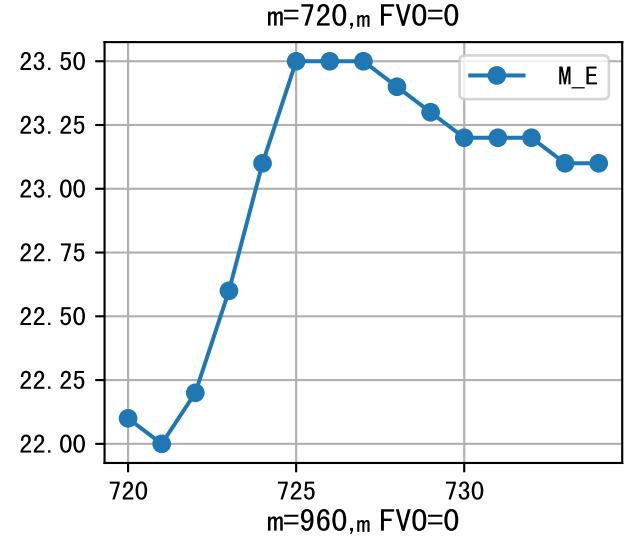


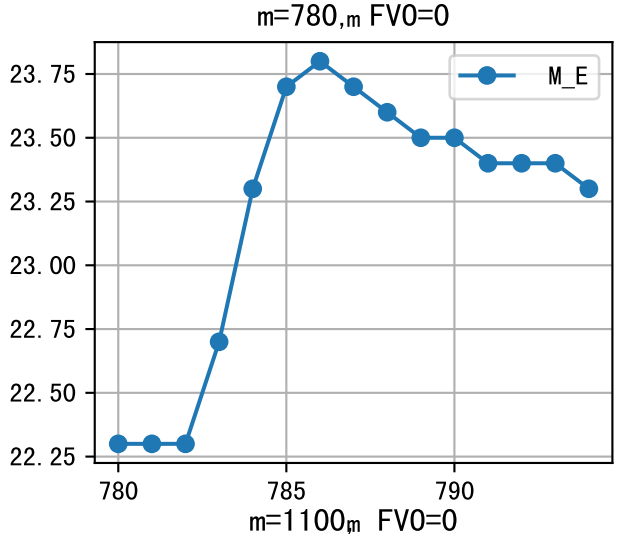

M_E

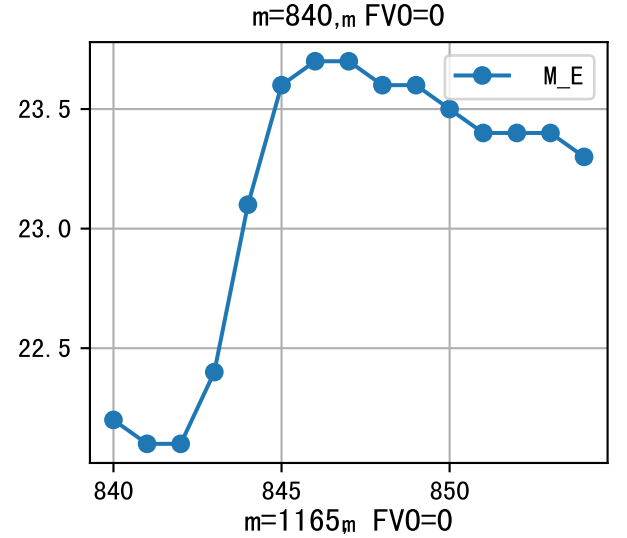

m=520, FV0=0
M_E

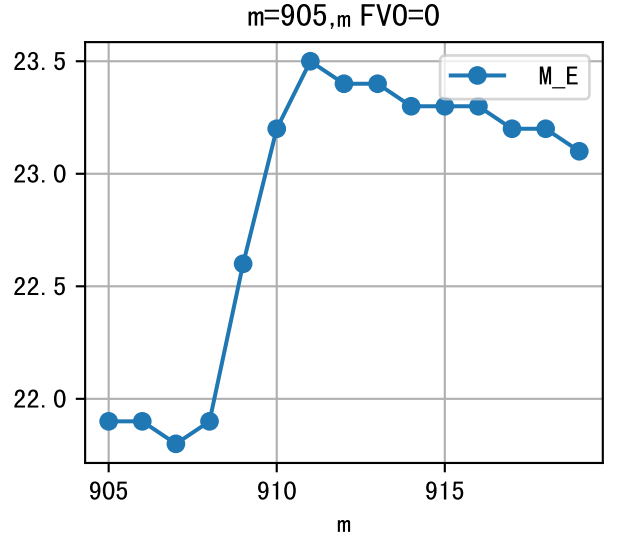

m=555, FV0=0
M_E

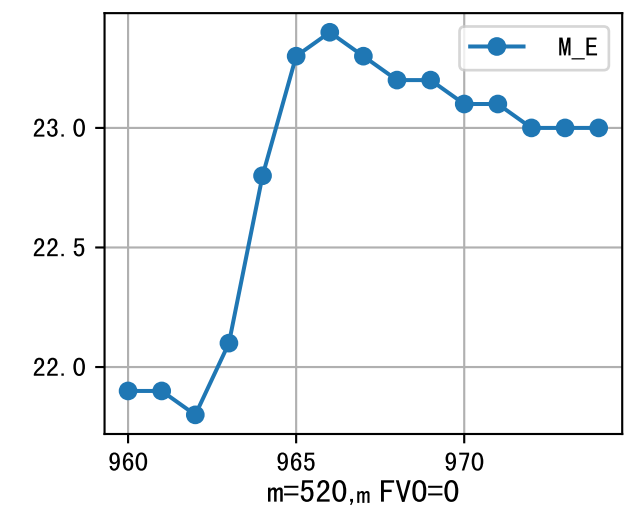

m=660, FV0=0
M_E

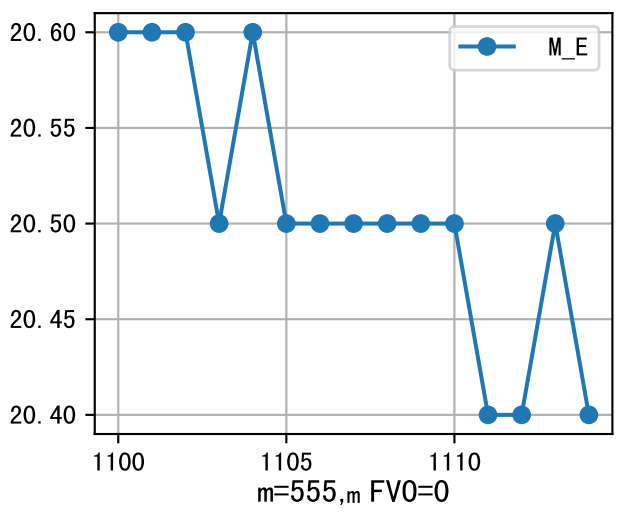

m=720,m FV0=0
M_E

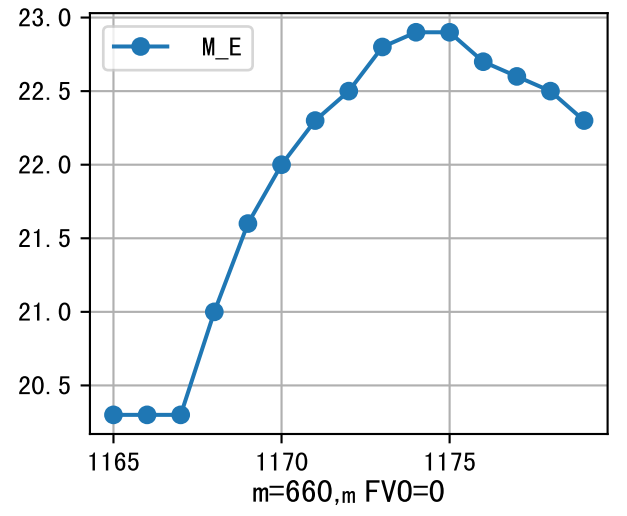

m=780,m FV0=0
M_E

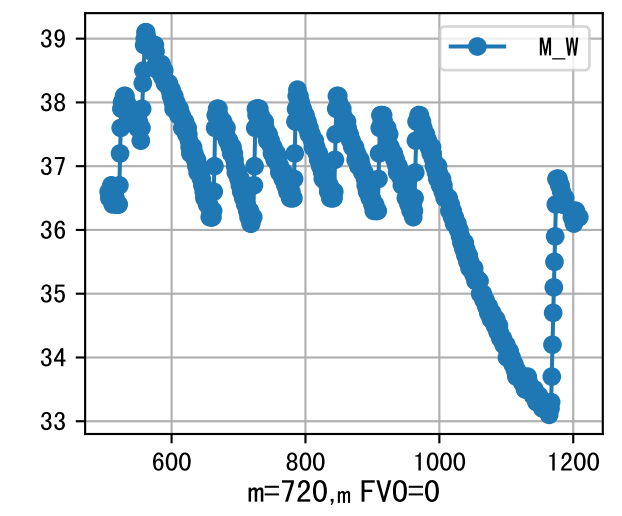

m=840,m FV0=0
M_E

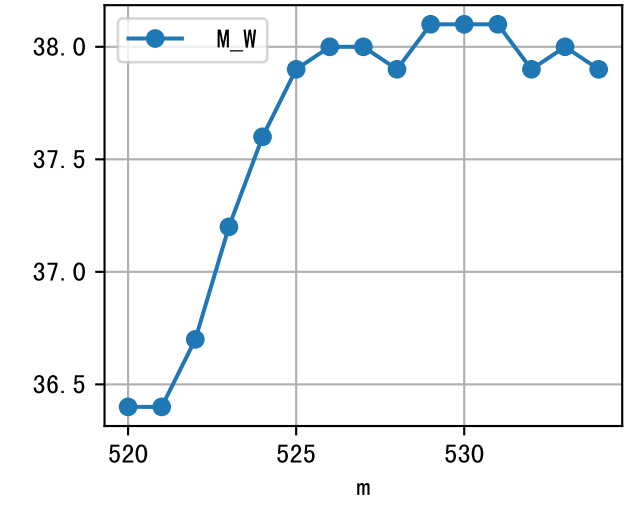

m=905,m FV0=0
M_E
m

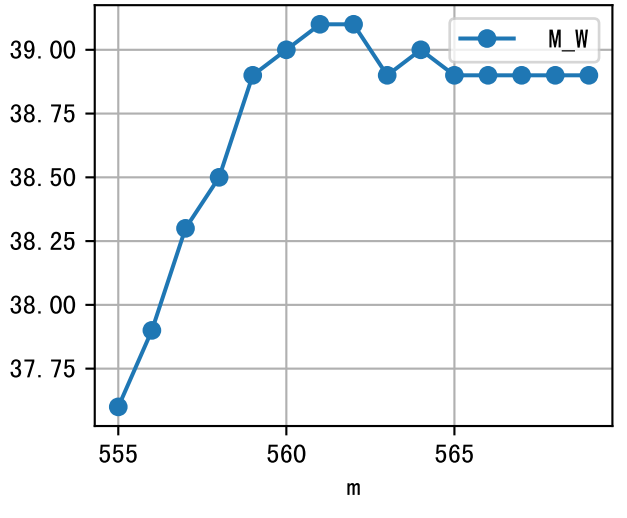

m=960,m FV0=0
M_E

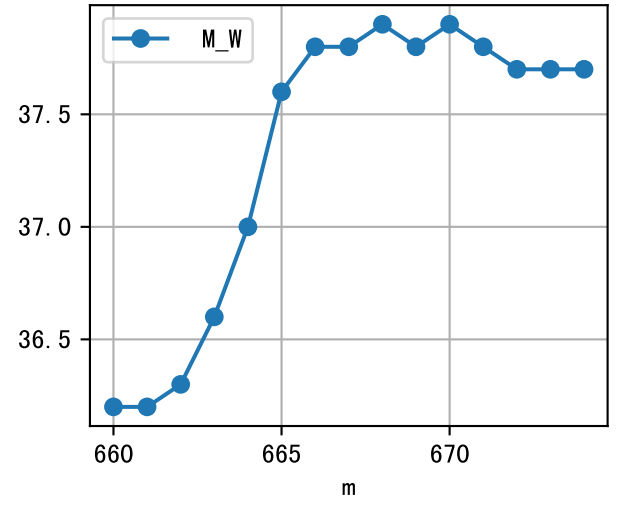

m=1100m FV0=0
M_E

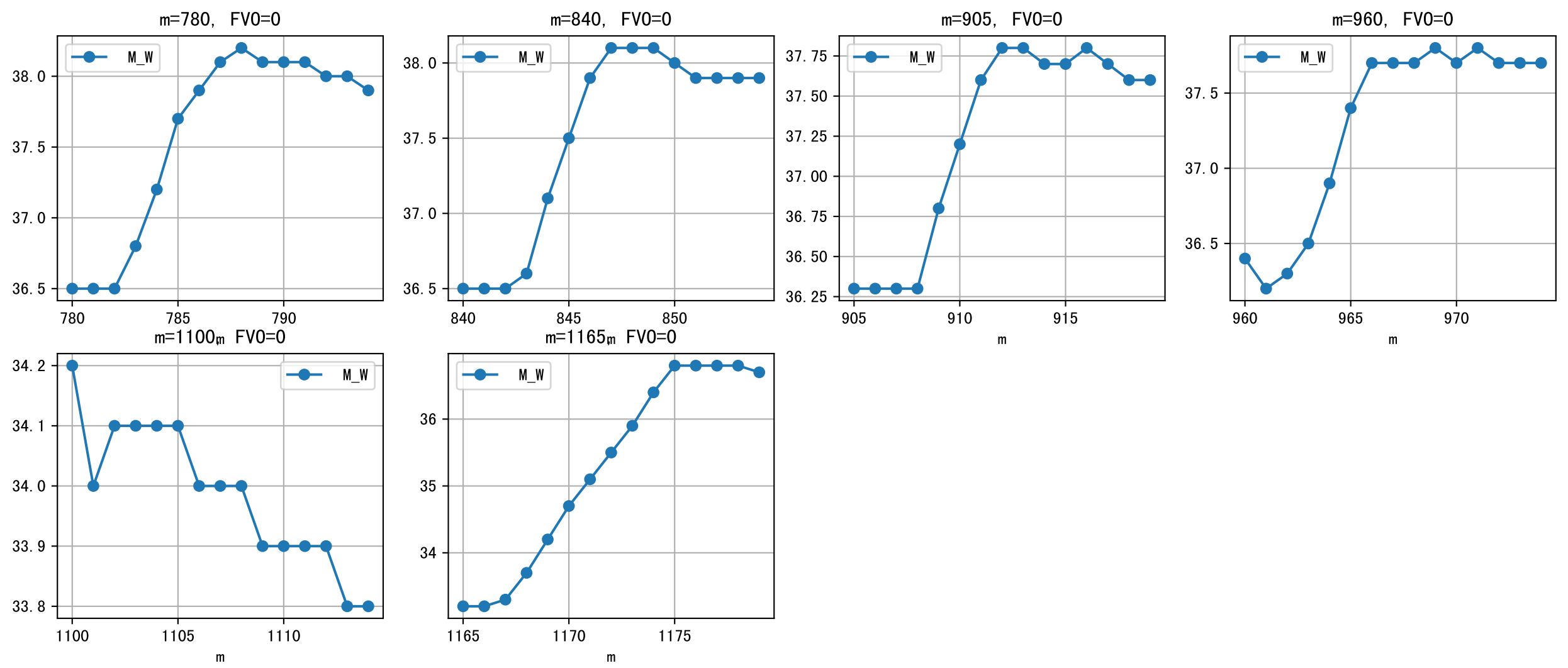

m=1165m FV0=0
M_E


m=520,m FV0=0
M_W


m=555,m FV0=0
M_W
m


m=660,m FV0=0
M_W
m


m=720,m FV0=0
M_W
m


m=780, FV0=0
M_W
38.0
37.5
37.0
36.5
780
785
790
m=840, FV0=0
M_W
38.0
37.5
37.0
36.5
840
845
850
m=905, FV0=0
M_W
37.75
37.50
37.25
37.00
36.75
36.50
36.25
905
910
915
m
m=960, FV0=0
M_W
37.5
37.0
36.5
960
965
970
m
m=1100m FV0=0
M_W
34.2
34.1
34.0
33.9
33.8
1100
1105
1110
m
m=1165m FV0=0
M_W
36
35
34
1165
1170
1175
m