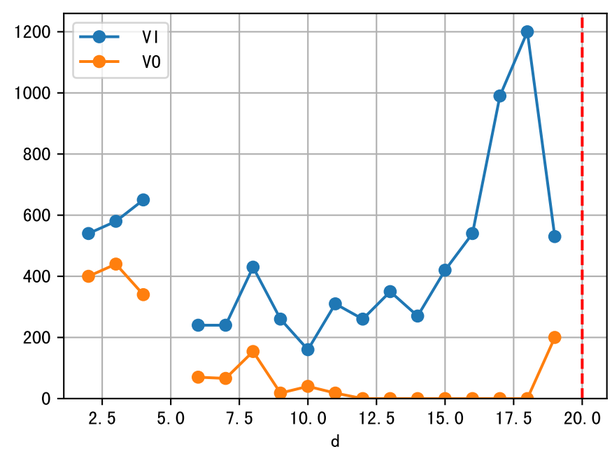
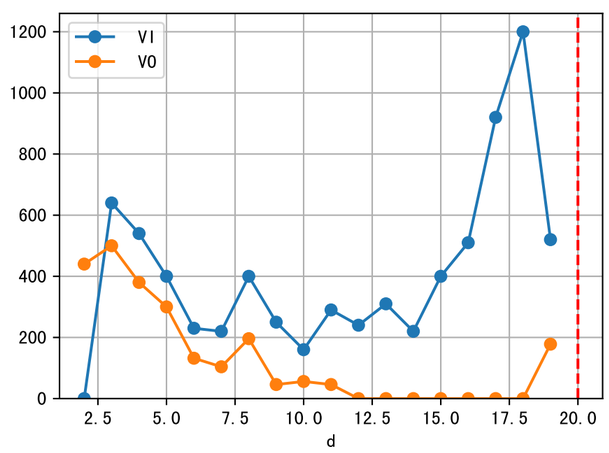
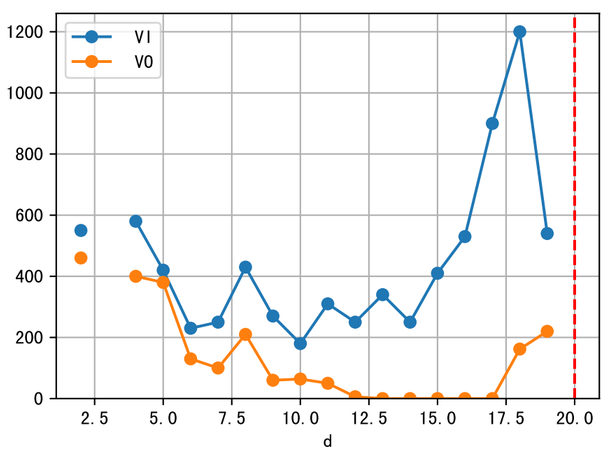
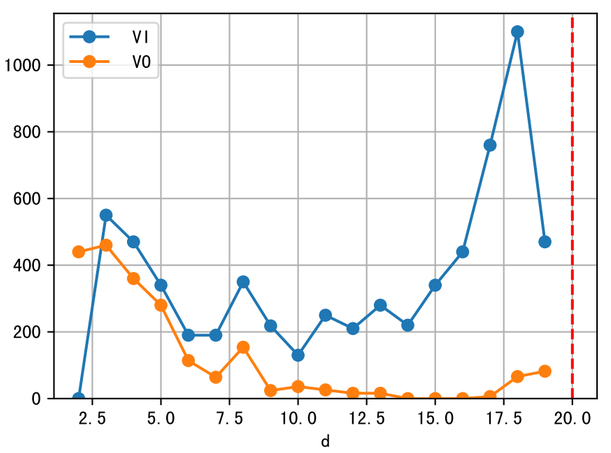
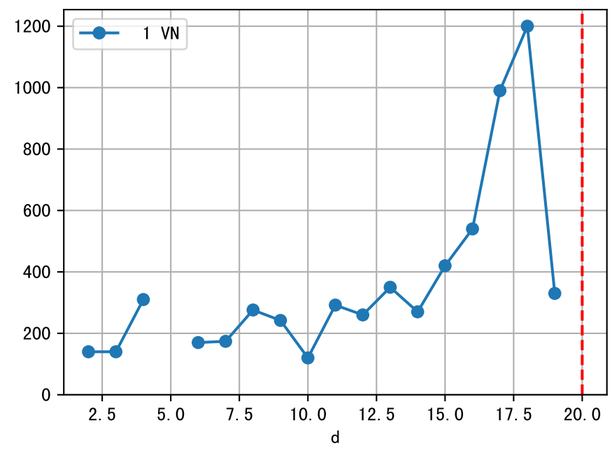
FgArea: ['0']
NC11 G3-2
2025-06-01 (Day 20)

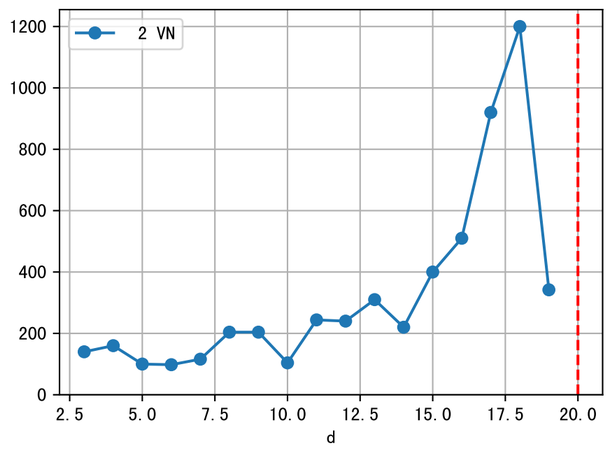

VI
VO
d

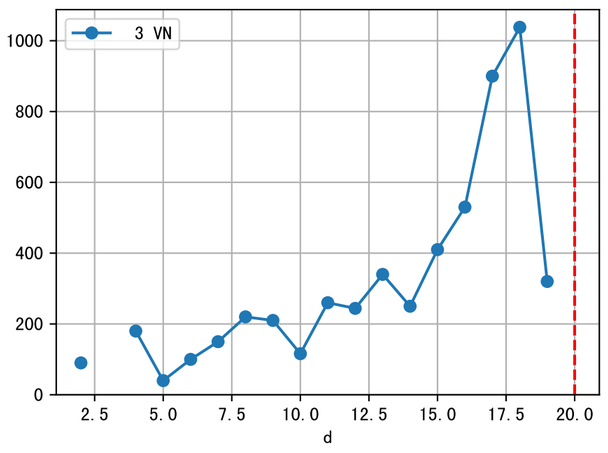

VI
VO
d

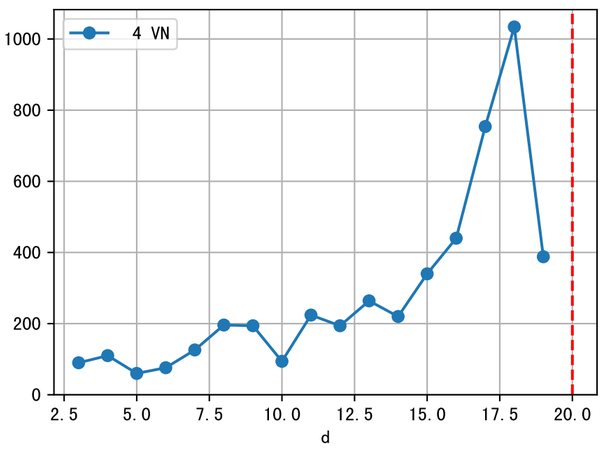

VI
VO
d

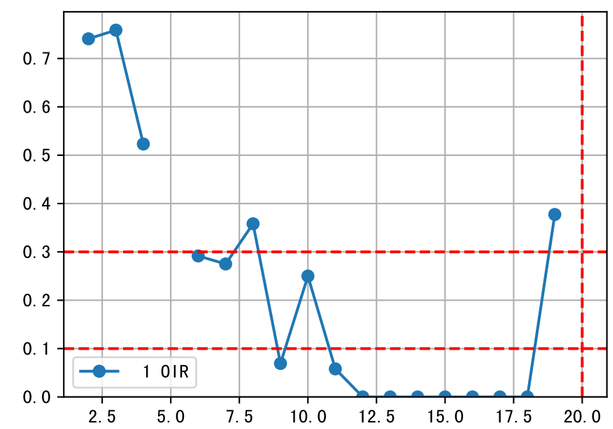

VI
VO
d

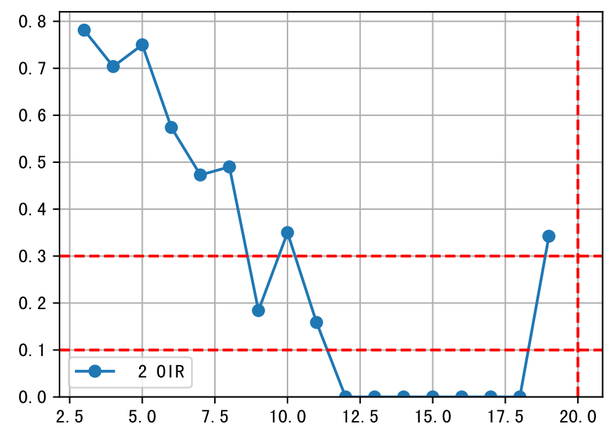

1 VN
d

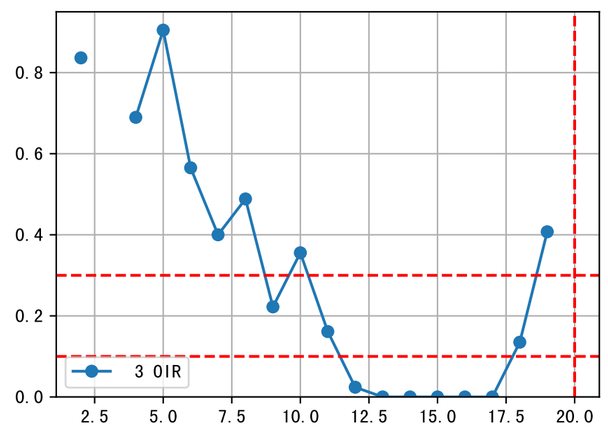

2 VN
d

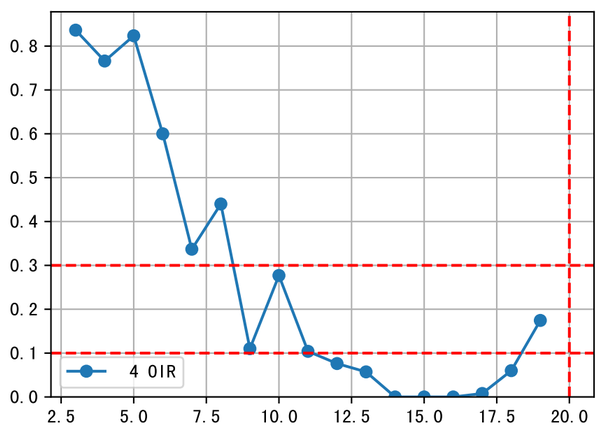

3 VN
d

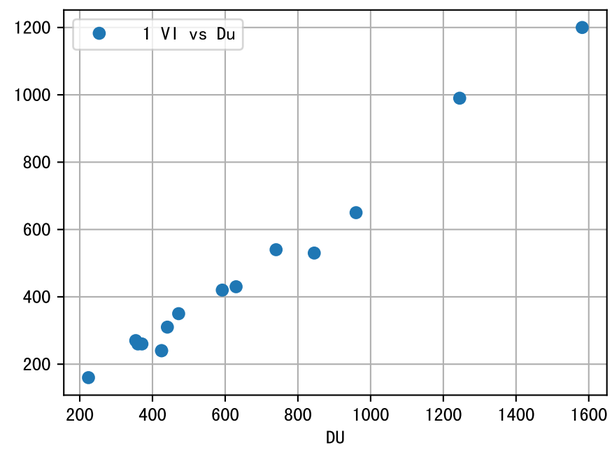

4 VN
d

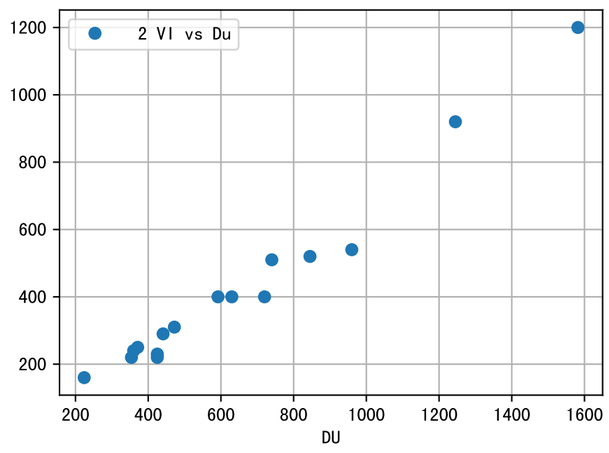

1 OIR
d

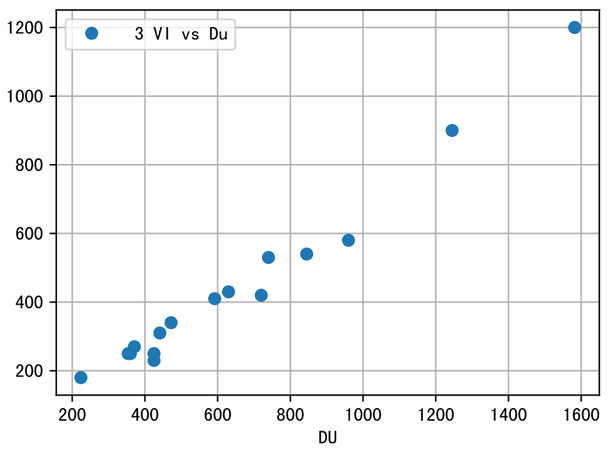

2 OIR
d

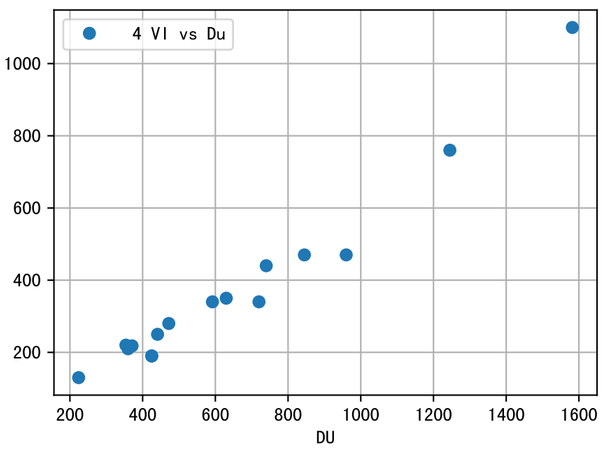

3 OIR
d

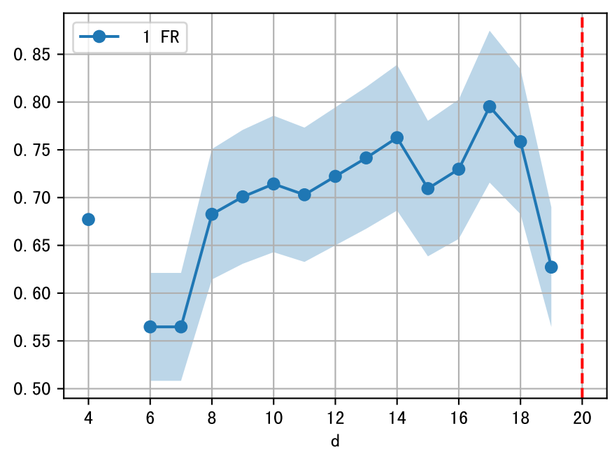

4 OIR
d

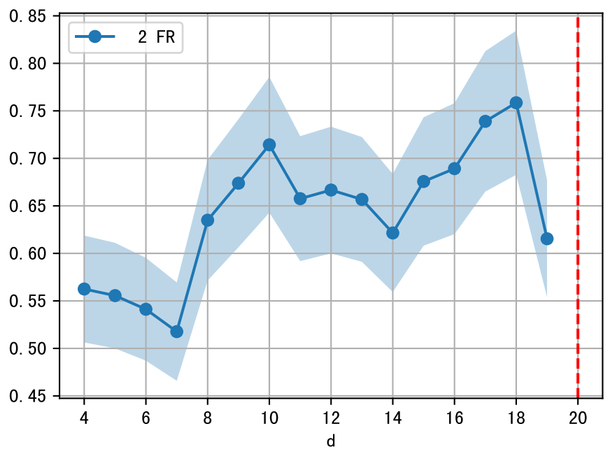

1 VI vs Du
DU

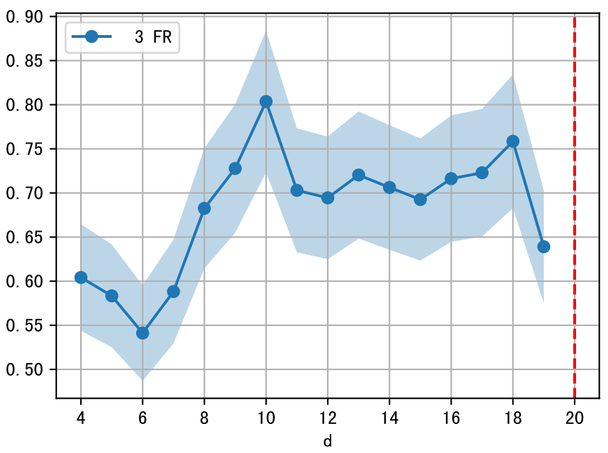

2 VI vs Du
DU

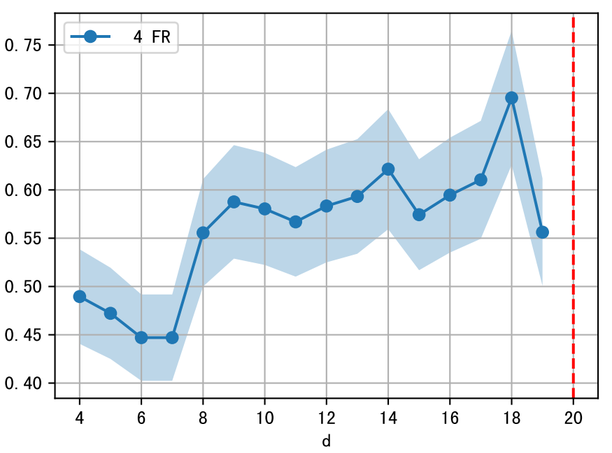

3 VI vs Du
DU

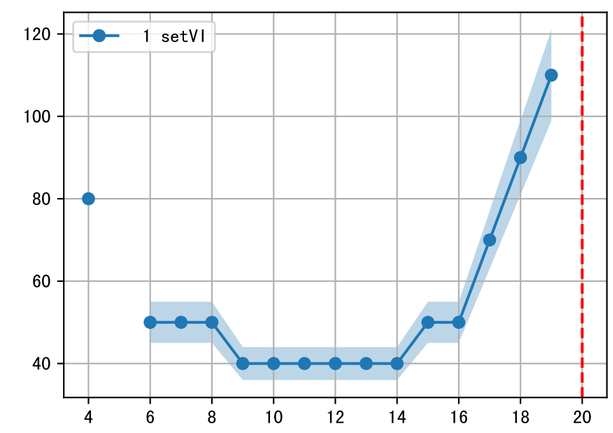

4 VI vs Du
DU

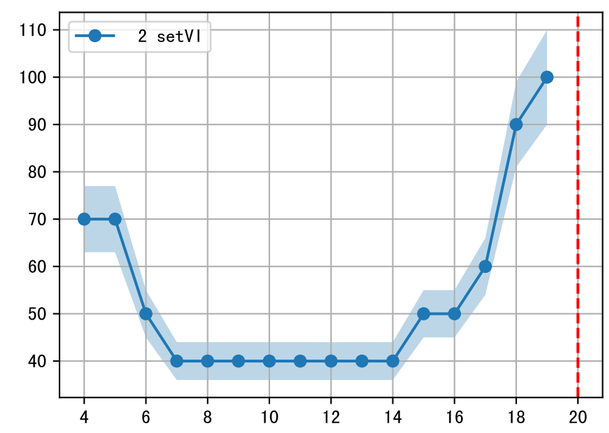

1 FR
d

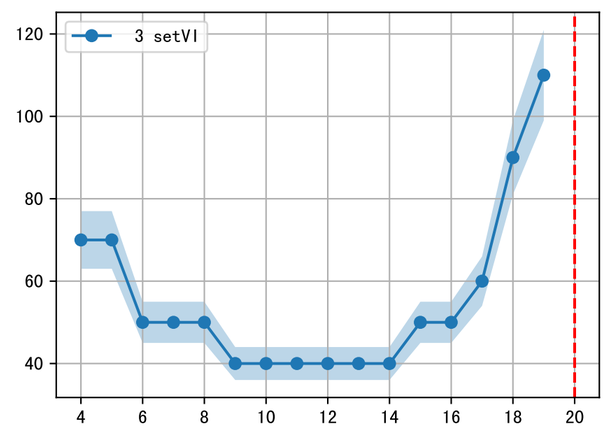

2 FR
d

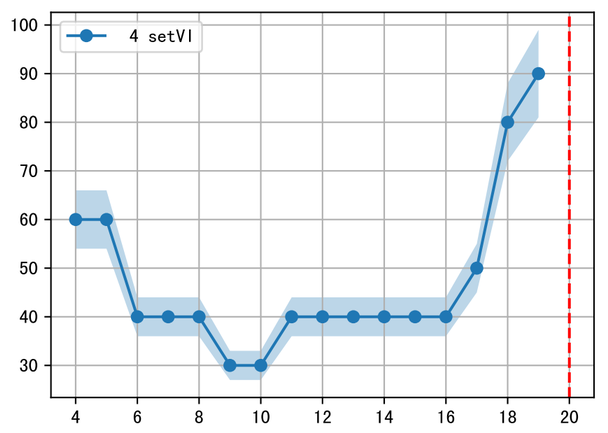

3 FR
d

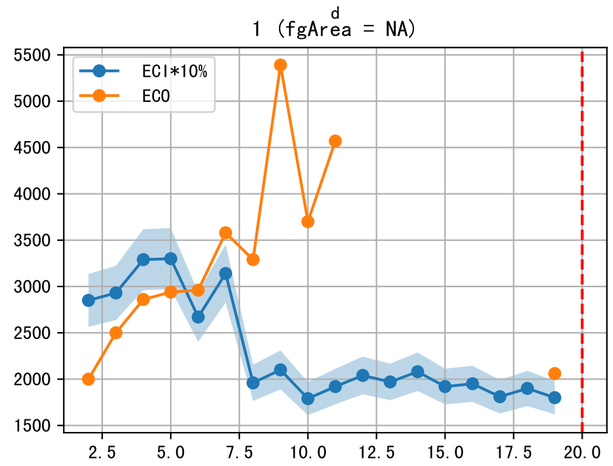

4 FR
d

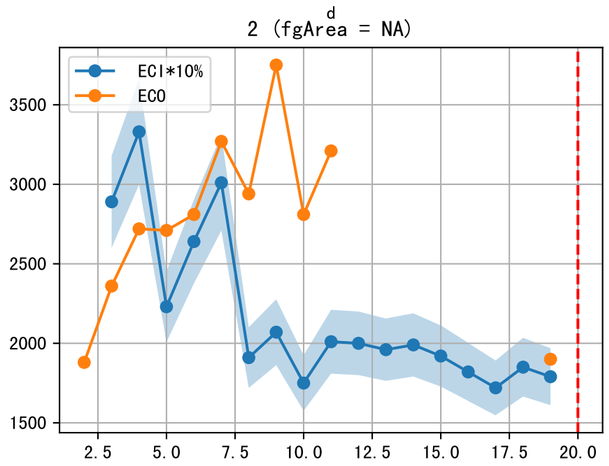

1 setVI
d

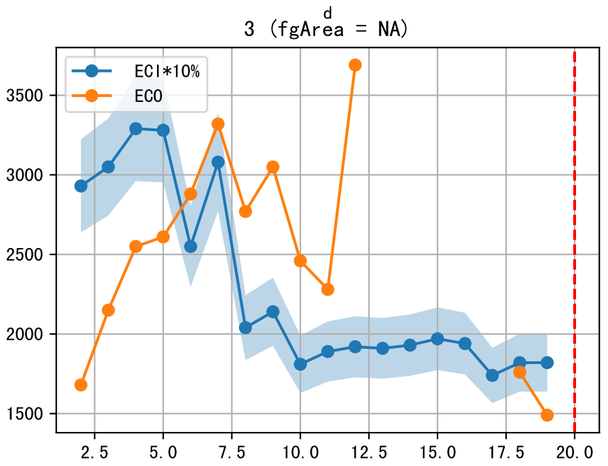

2 setVI
d

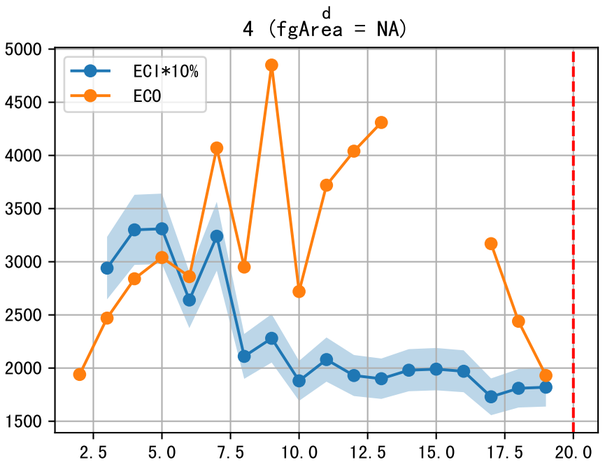

3 setVI
d

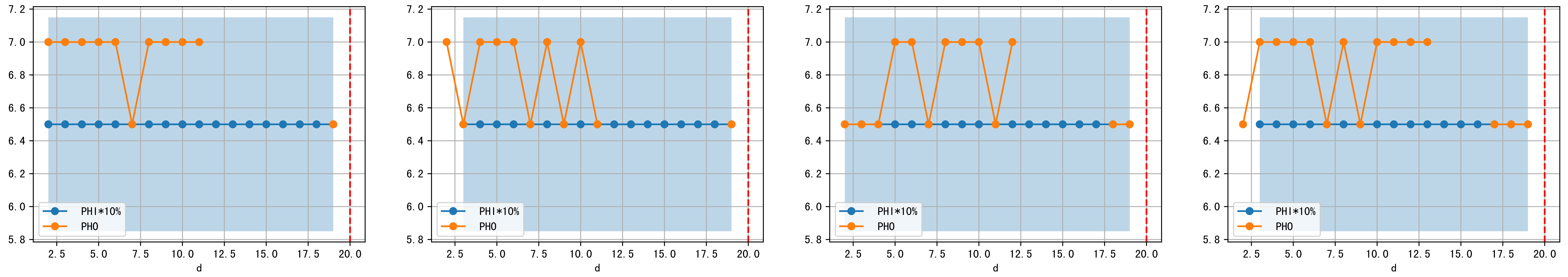

4 setVI
d

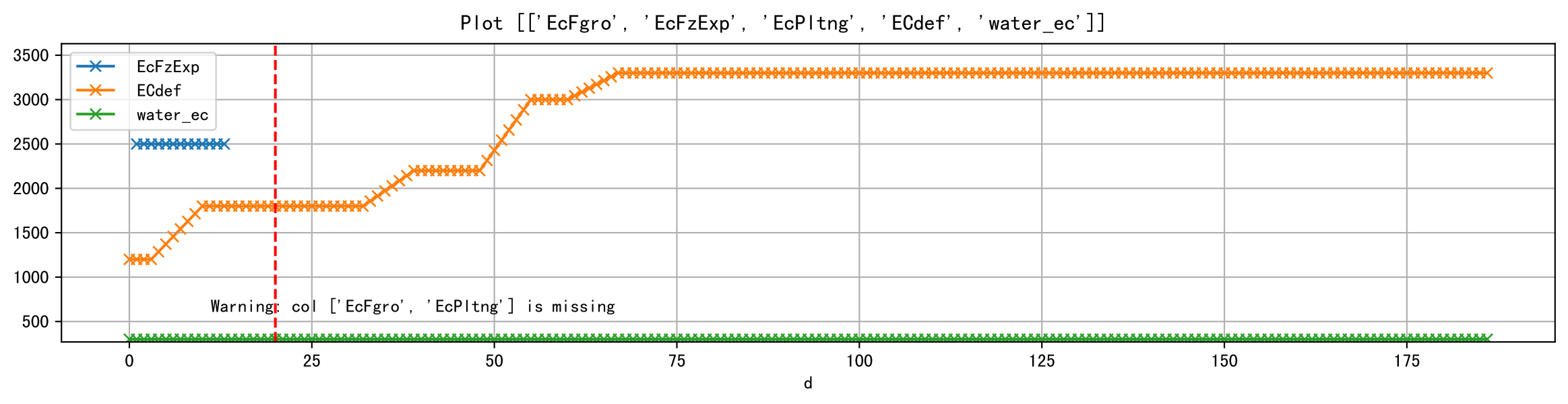

1 (fgArea = NA)
ECI*10%
ECO
d

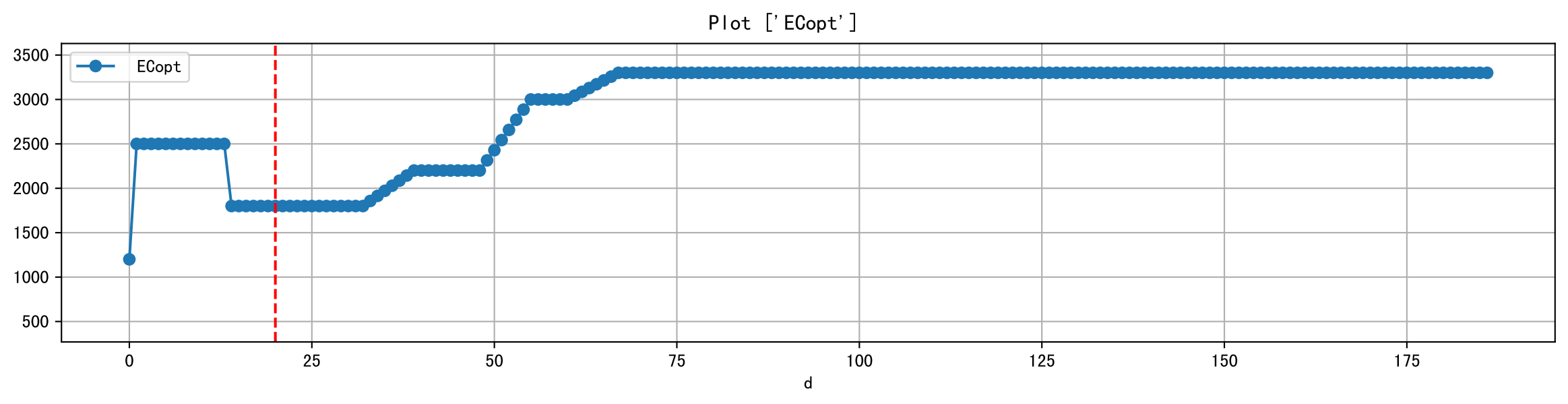

2 (fgArea = NA)
ECI*10%
ECO
d


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


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

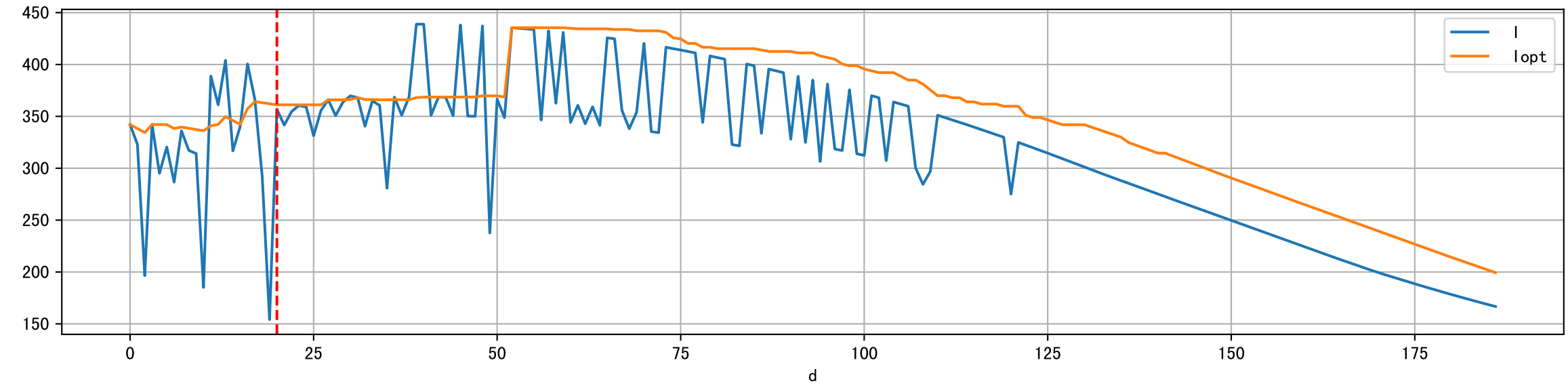

PHI*10%
PHO
d

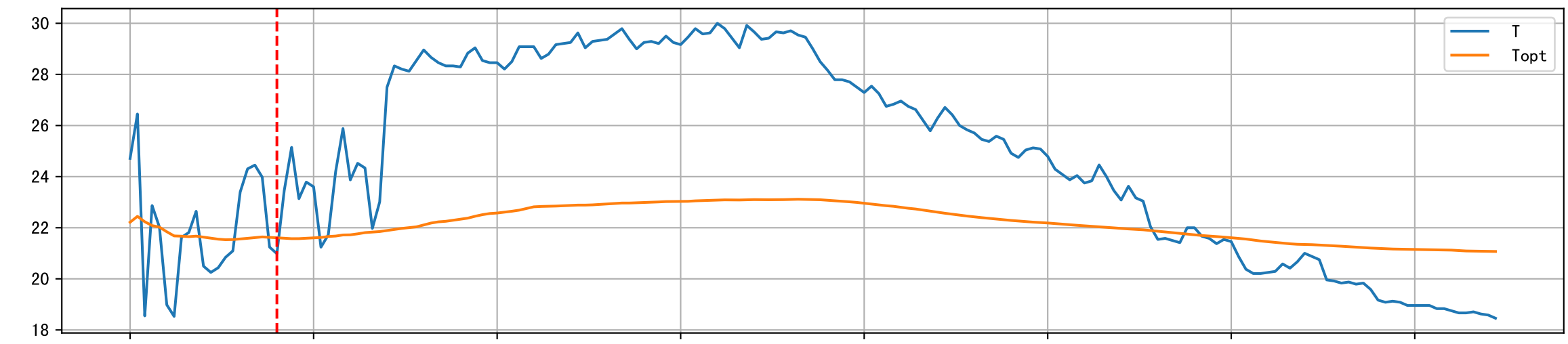

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'water_ec']]
EcFzExp
ECdef
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

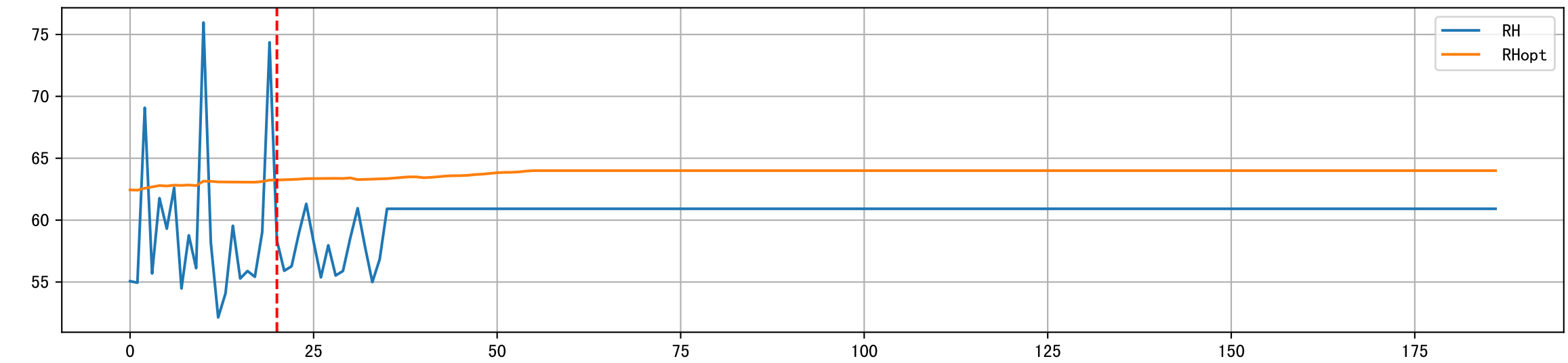

Plot ['ECopt']
ECopt
3500
3000
2500
2000
1500
1000
500
0
25
50
75
100
125
150
175
d

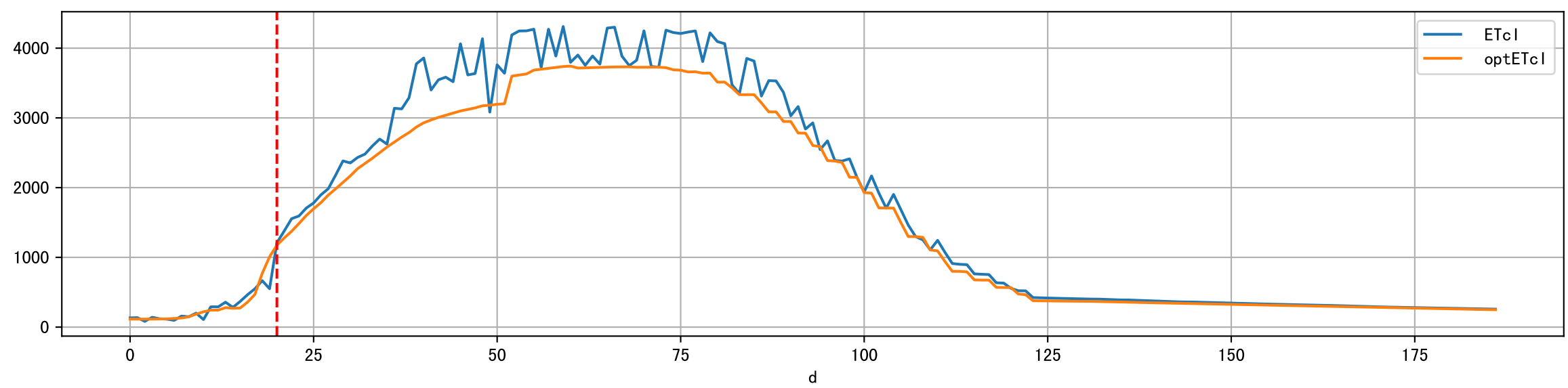
Plot Sensor and FgRec Data

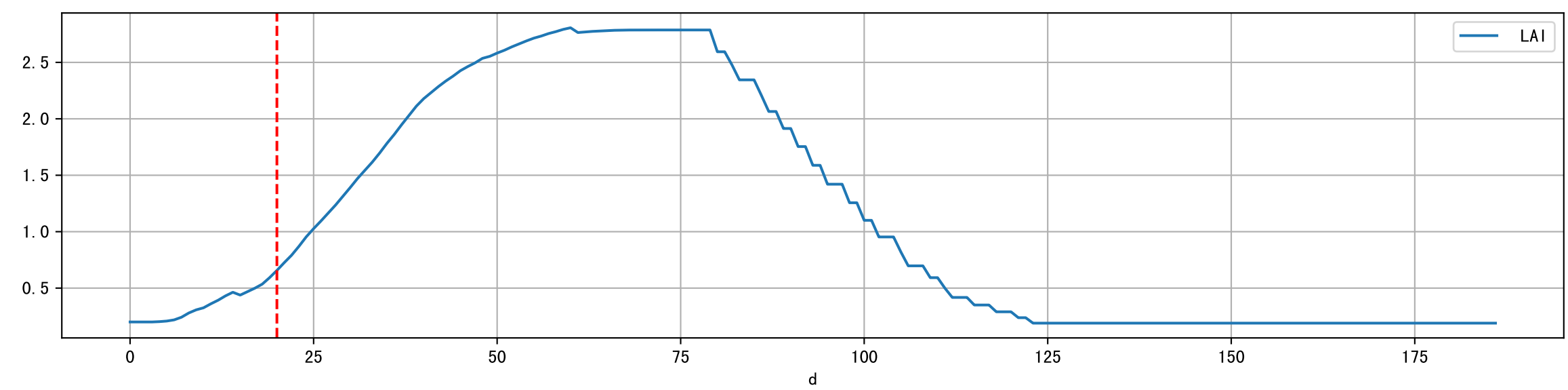
Plot [['I', 'Iopt'], ['T', 'Topt'], ['RH', 'RHopt'], ['ETcI', 'optETcI'], 'LAI', 'optEtRate']

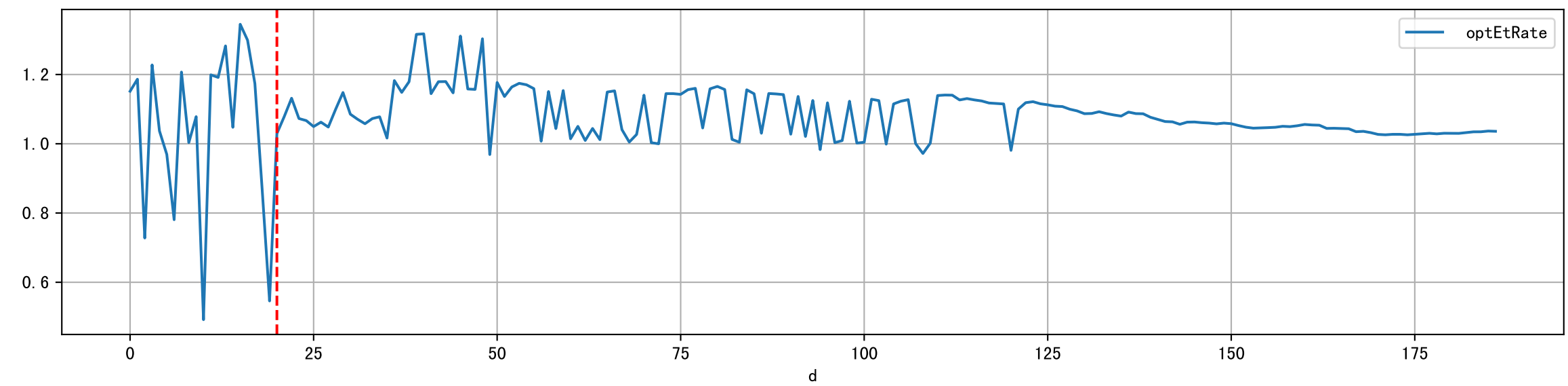


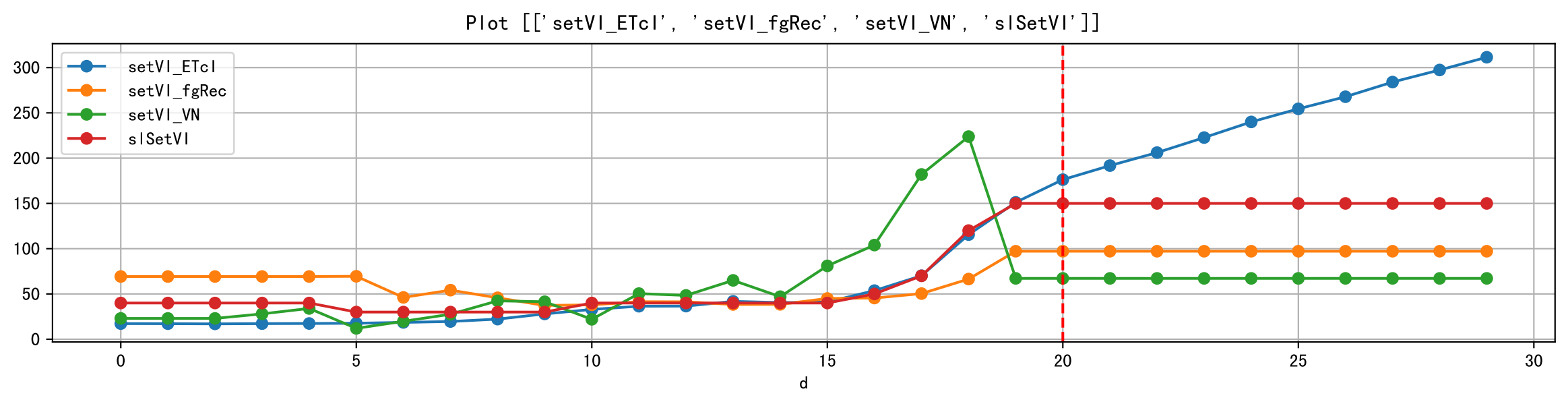


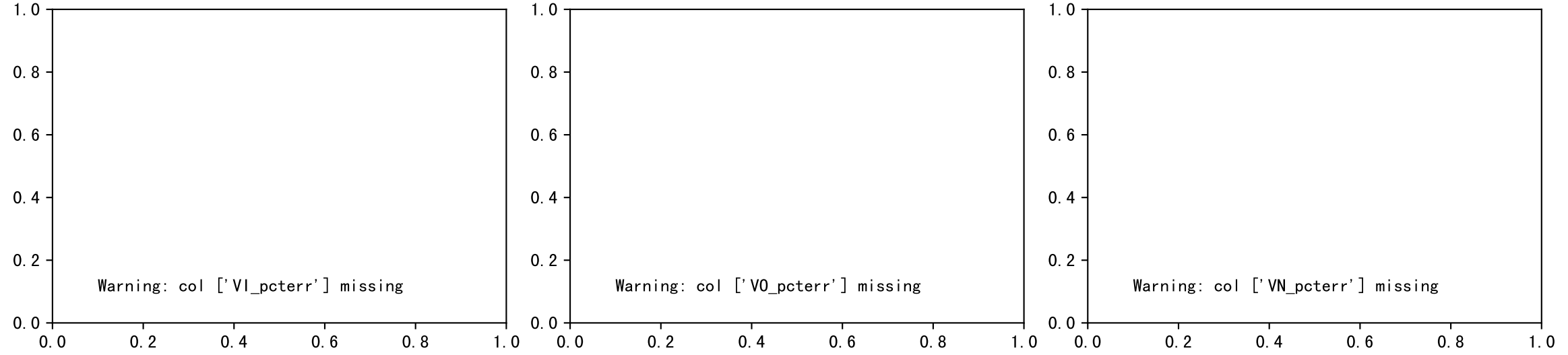


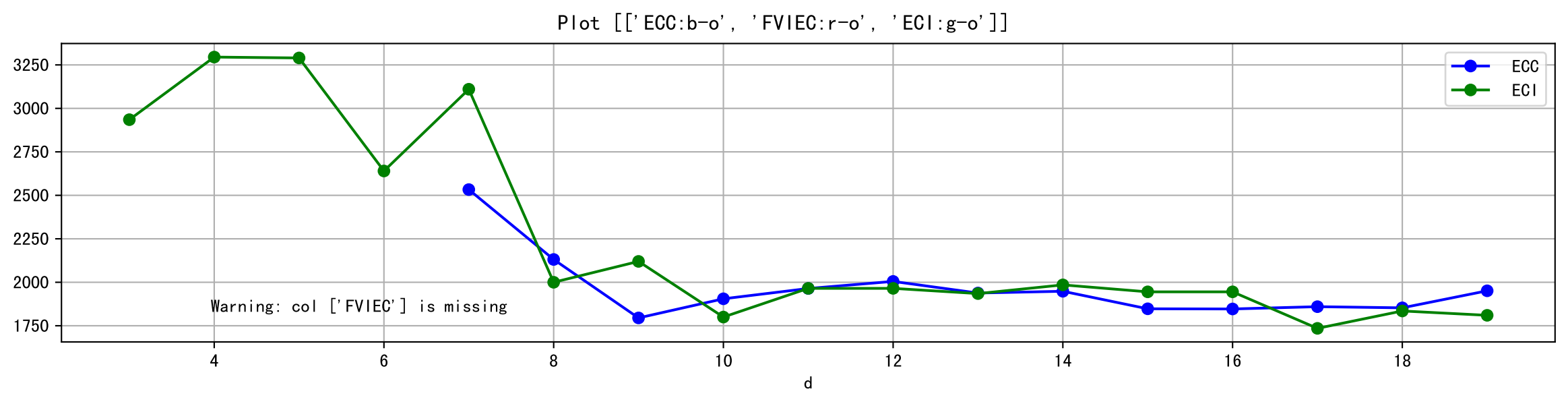


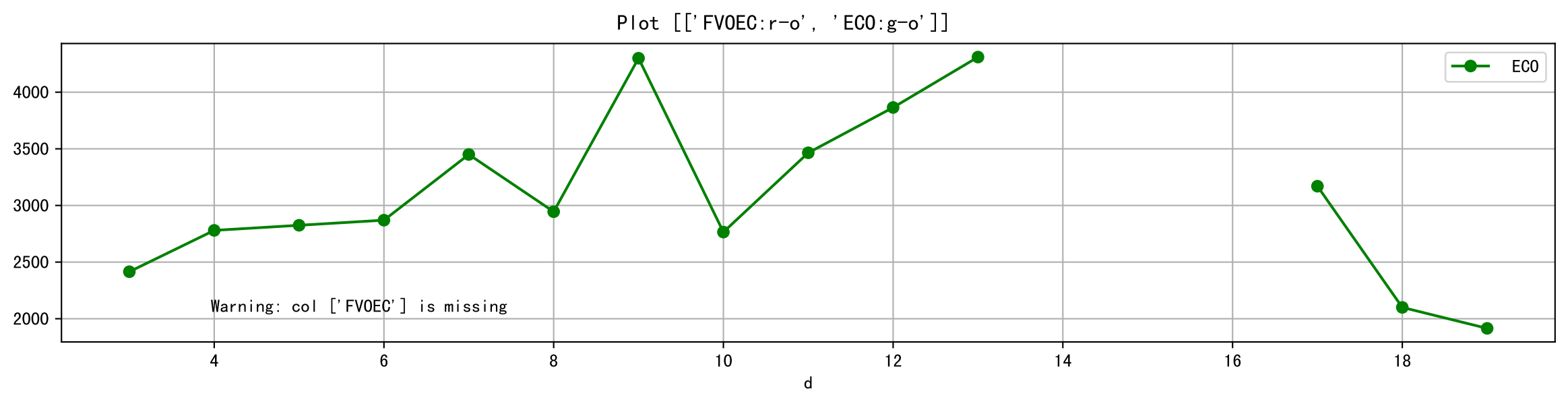


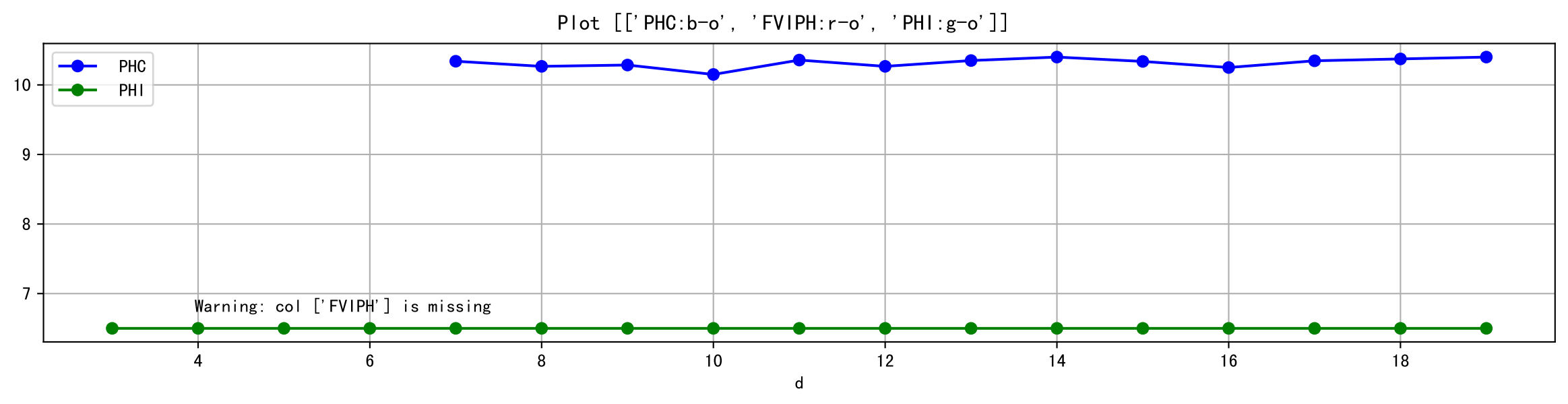


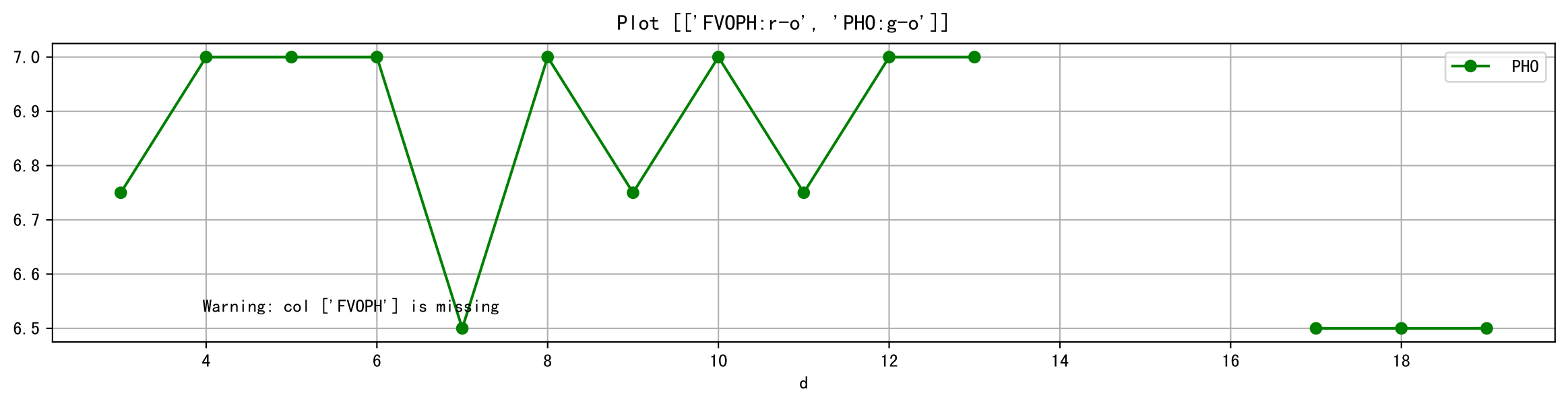

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'sISetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
sISetVI
300
250
200
150
100
50
0
0
5
10
15
20
25
30
d


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

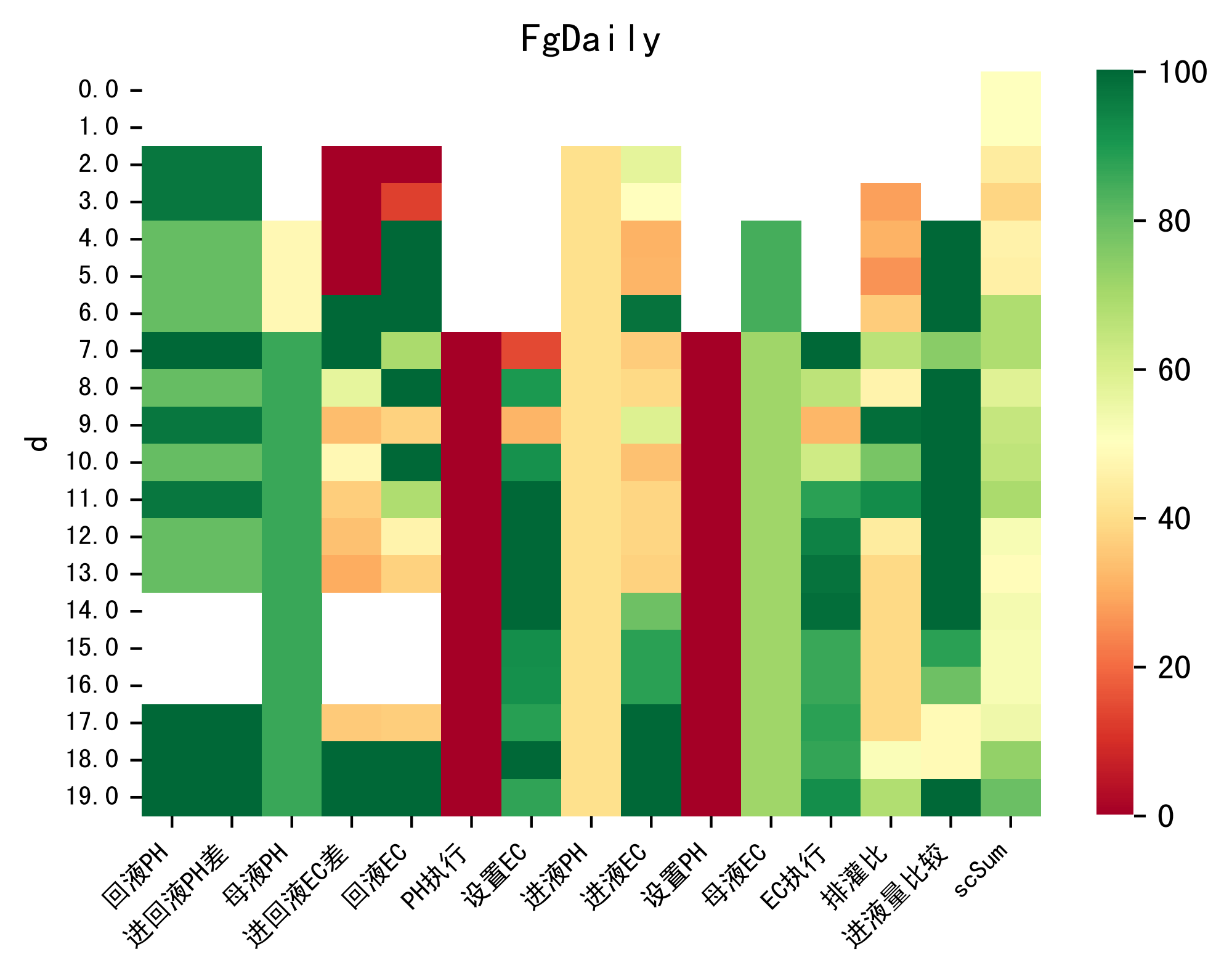

Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
3250
3000
2750
2500
2250
2000
1750
4
6
8
10
12
14
16
18
d


Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4000
3500
3000
2500
2000
4
6
8
10
12
14
16
18
d

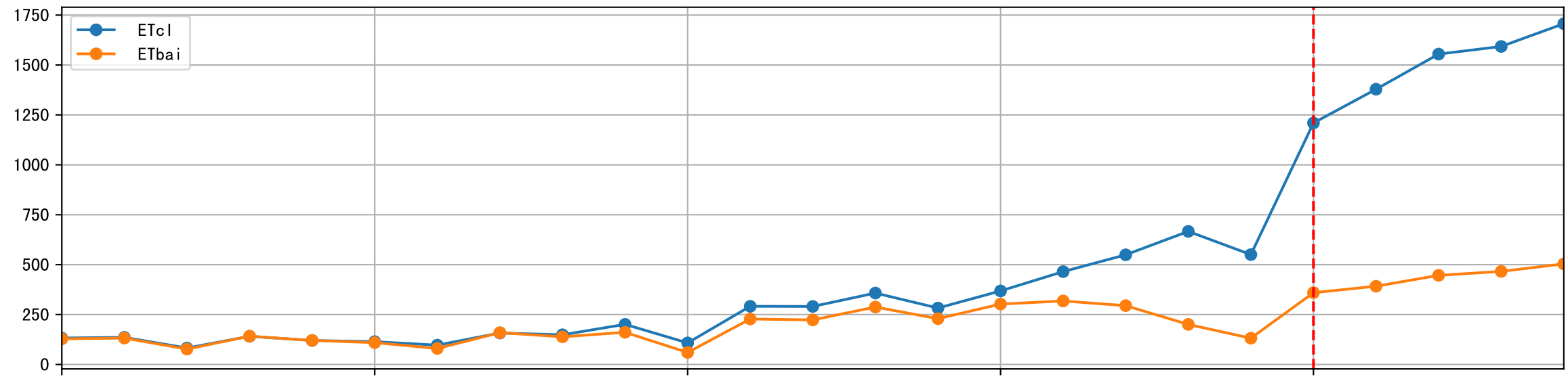

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
10
9
8
7
4
6
8
10
12
14
16
18
d

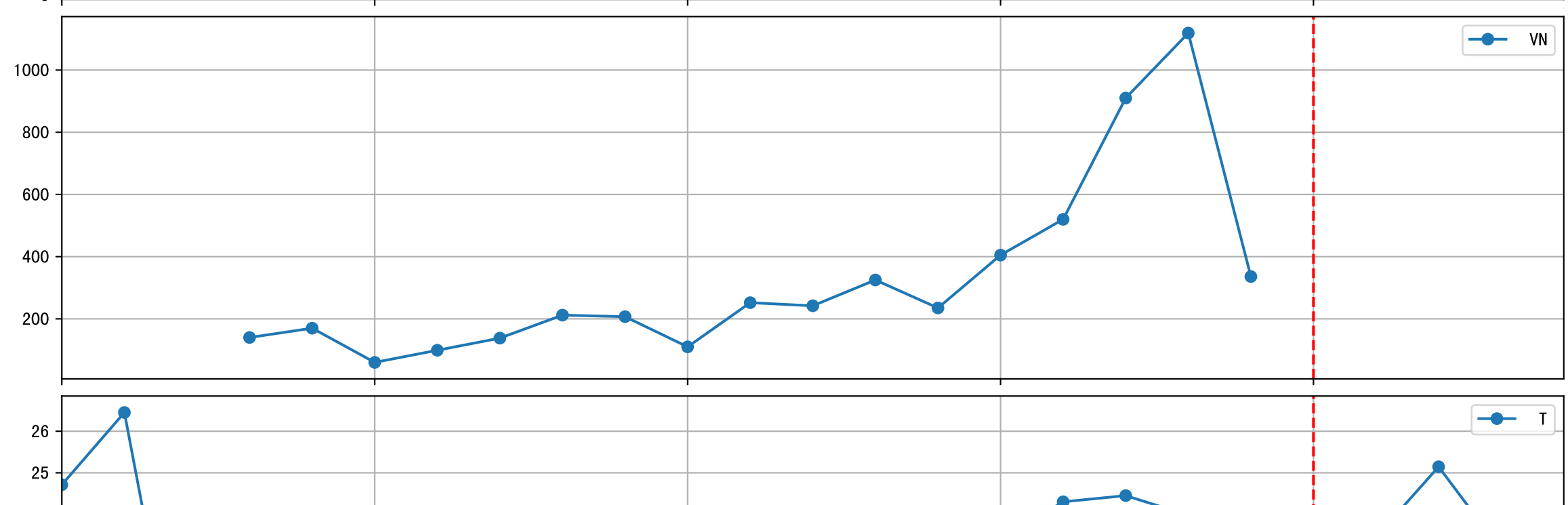

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.0
6.9
6.8
6.7
6.6
6.5
4
6
8
10
12
14
16
18
d

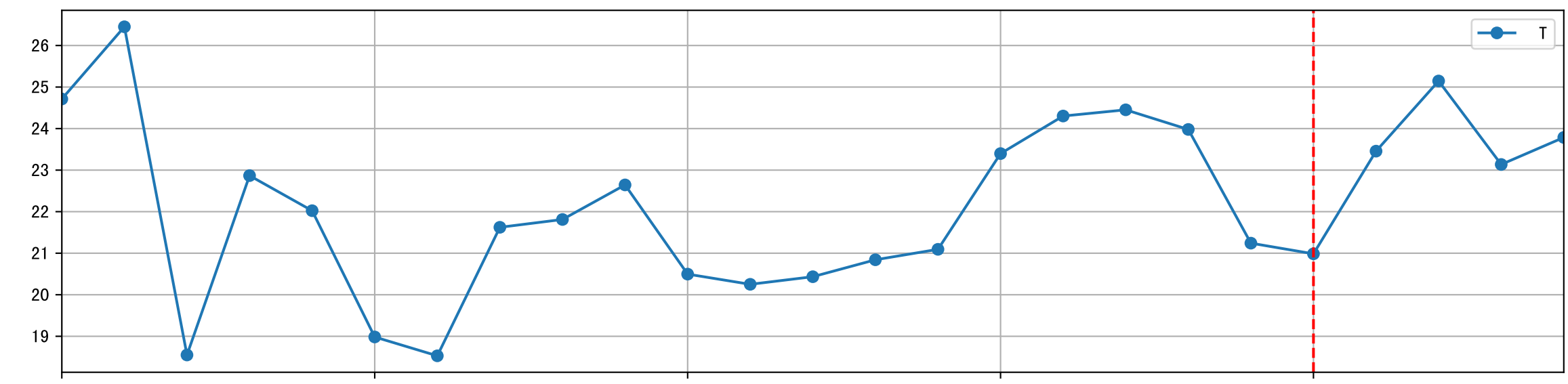

Trend plot forG3-2_0
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA1raw
ETcA1
ETcA
Warning: col ['ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] missing
ECOopt
ECO
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
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

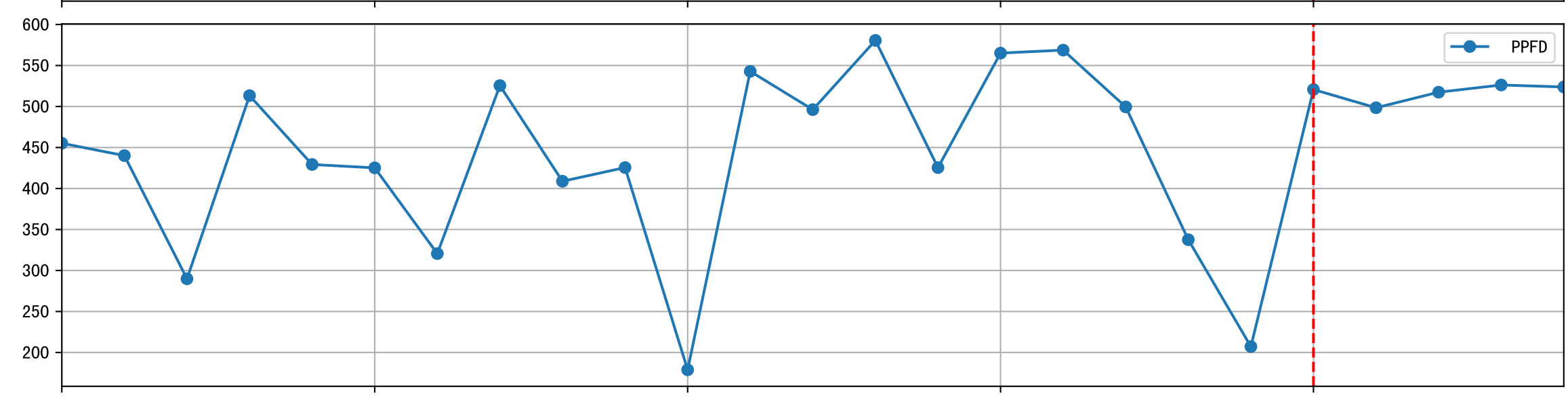

FgDaily
d
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
10.0
11.0
12.0
13.0
14.0
15.0
16.0
17.0
18.0
19.0
回液PH
进回液PH差
母液PH
进回液EC差
回液EC
PH执行
设置EC
进液PH
进液EC
设置PH
母液EC
EC执行
排灌比
进液量比较
scSum
100
80
60
40
20
0

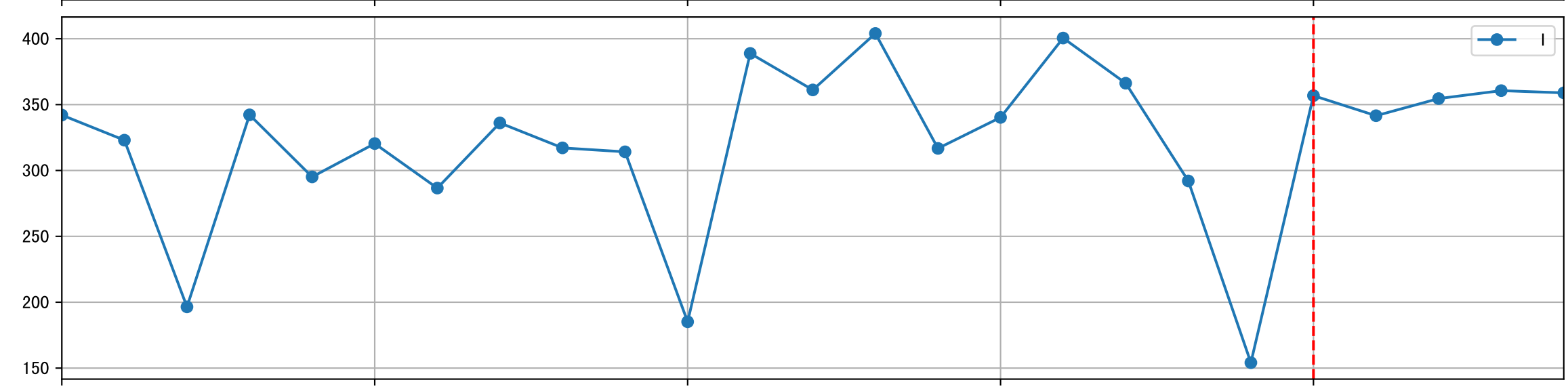
G3-2_0

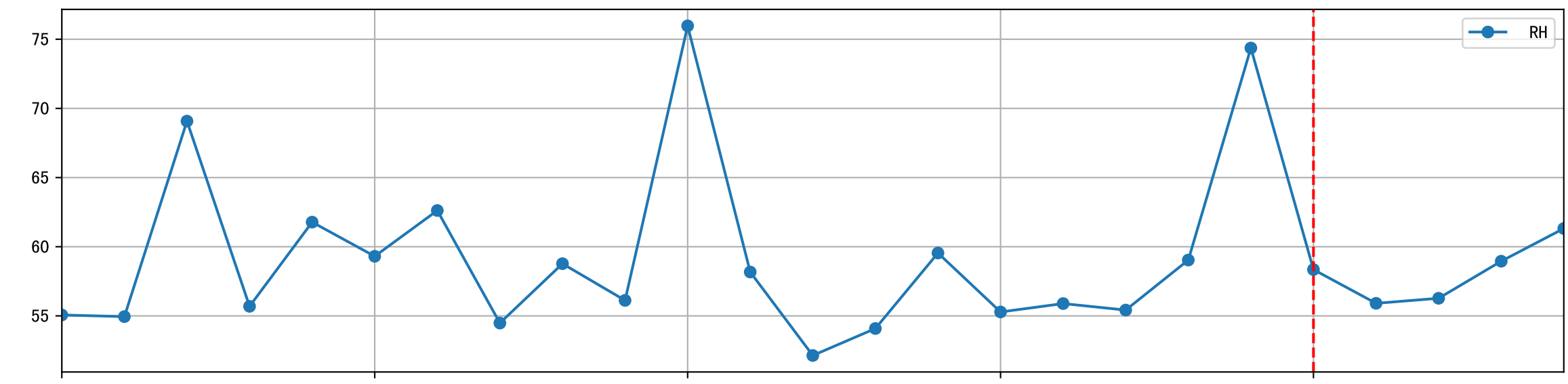

ETcl
ETbai
1750
1500
1250
1000
750
500
250
0

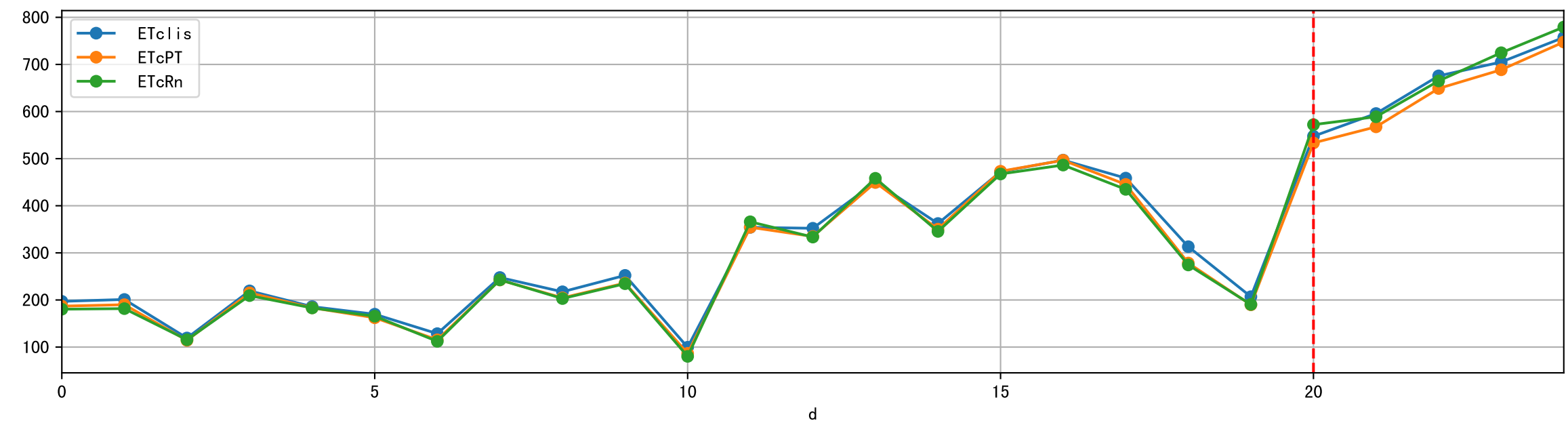

VN
1000
800
600
400
200

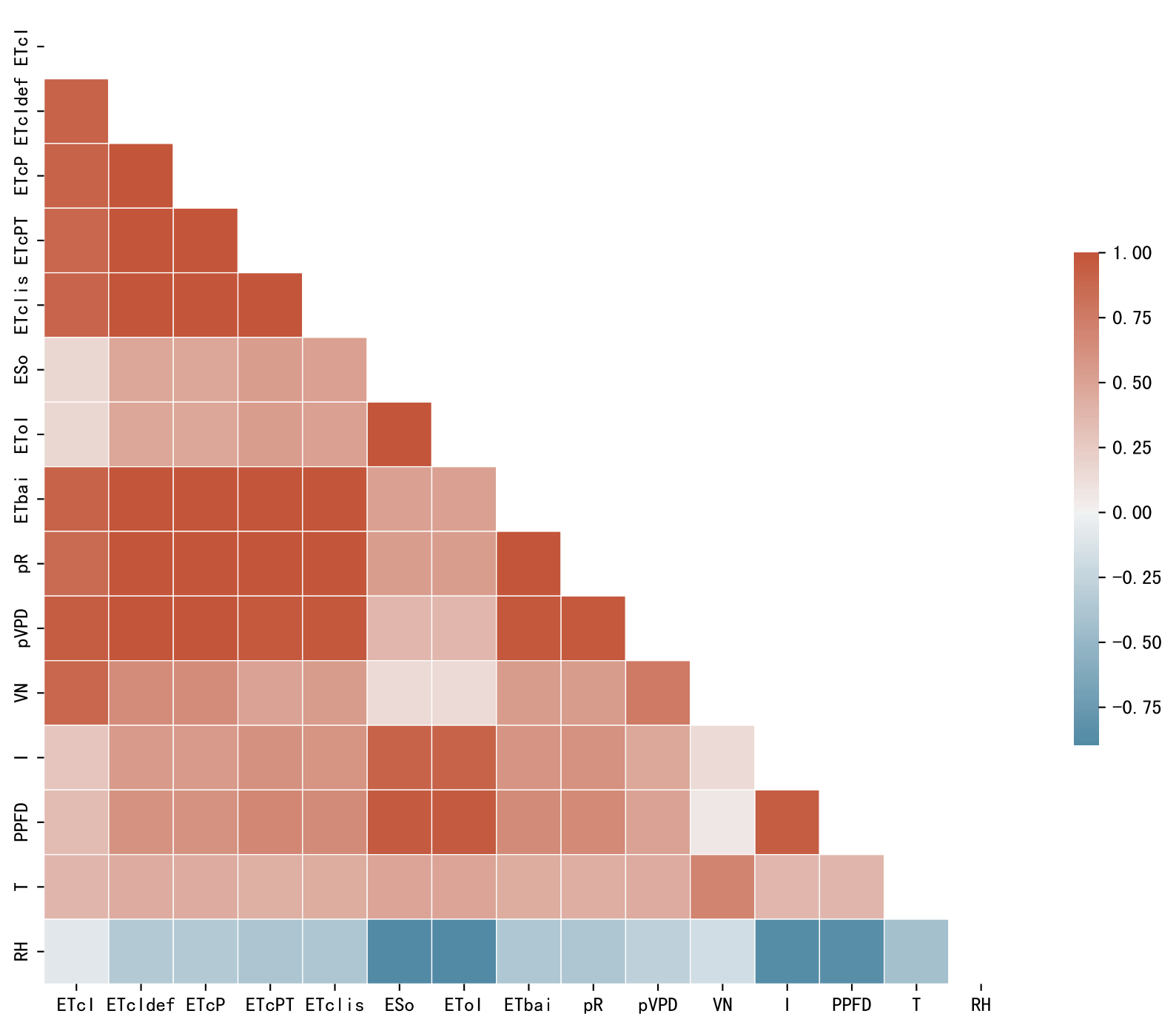

T
26
25
24
23
22
21
20
19

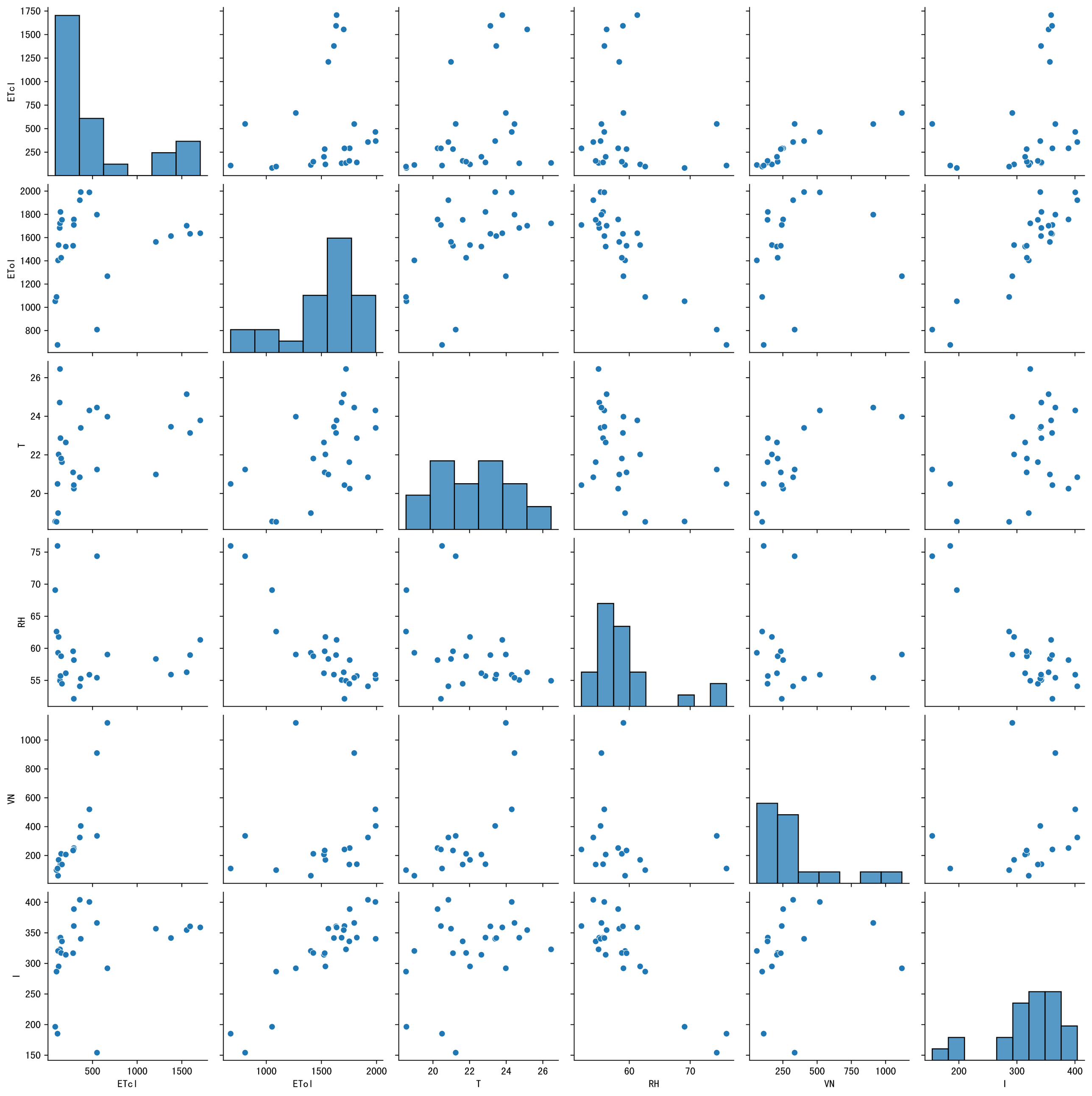

PPFD
600
550
500
450
400
350
300
250
200

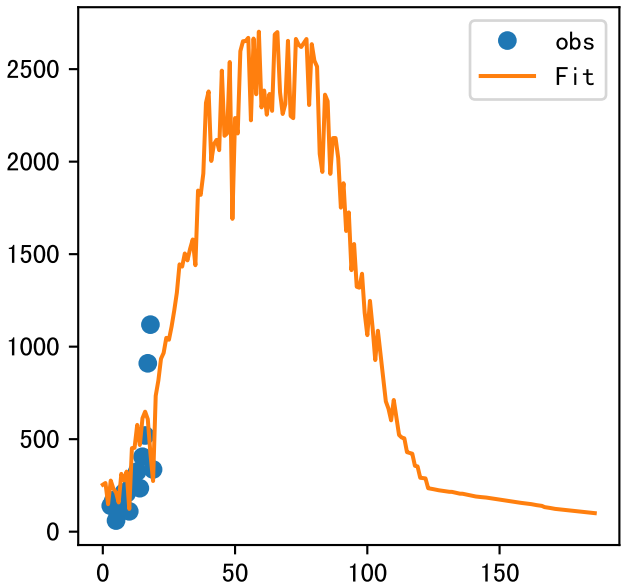

I
400
350
300
250
200
150

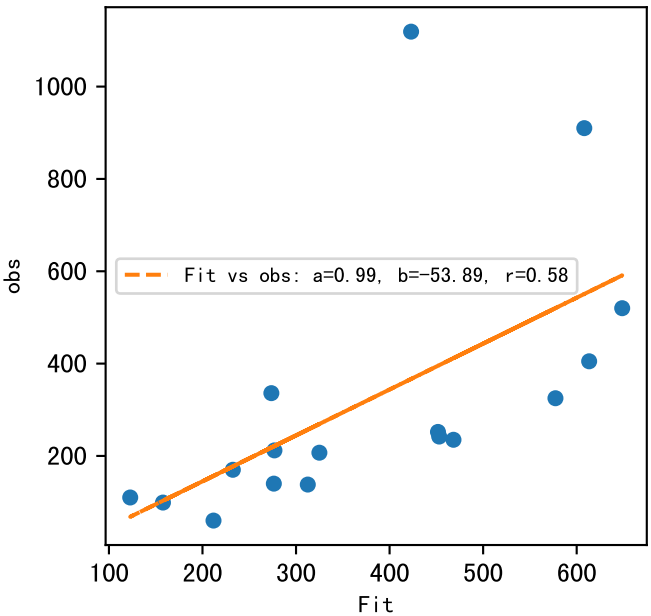

RH
75
70
65
60
55


ETclis
ETcPT
ETcRn
800
700
600
500
400
300
200
100
0
5
10
15
20
d

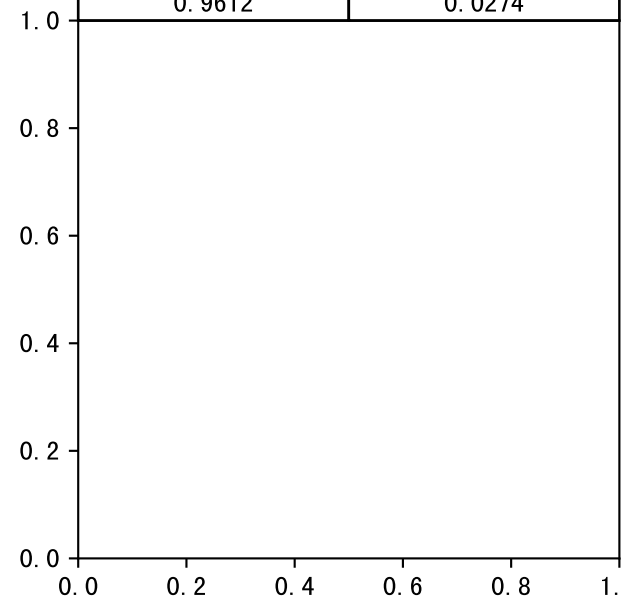

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

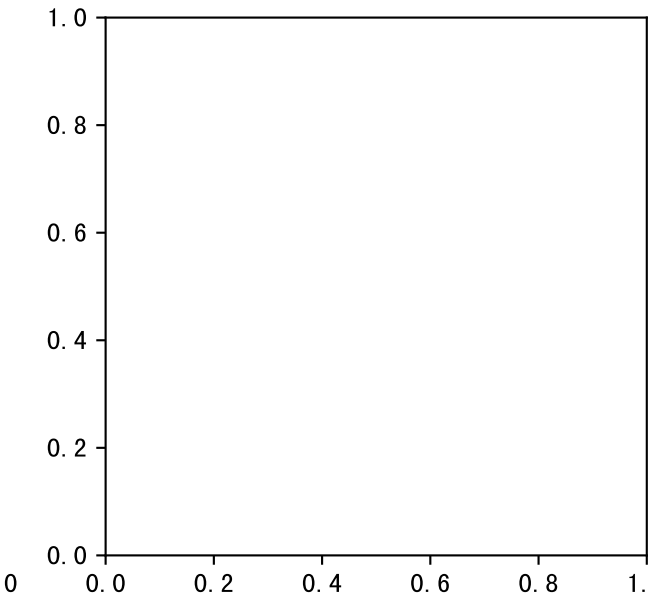

ETcl
ETol
T
RH
VN
I

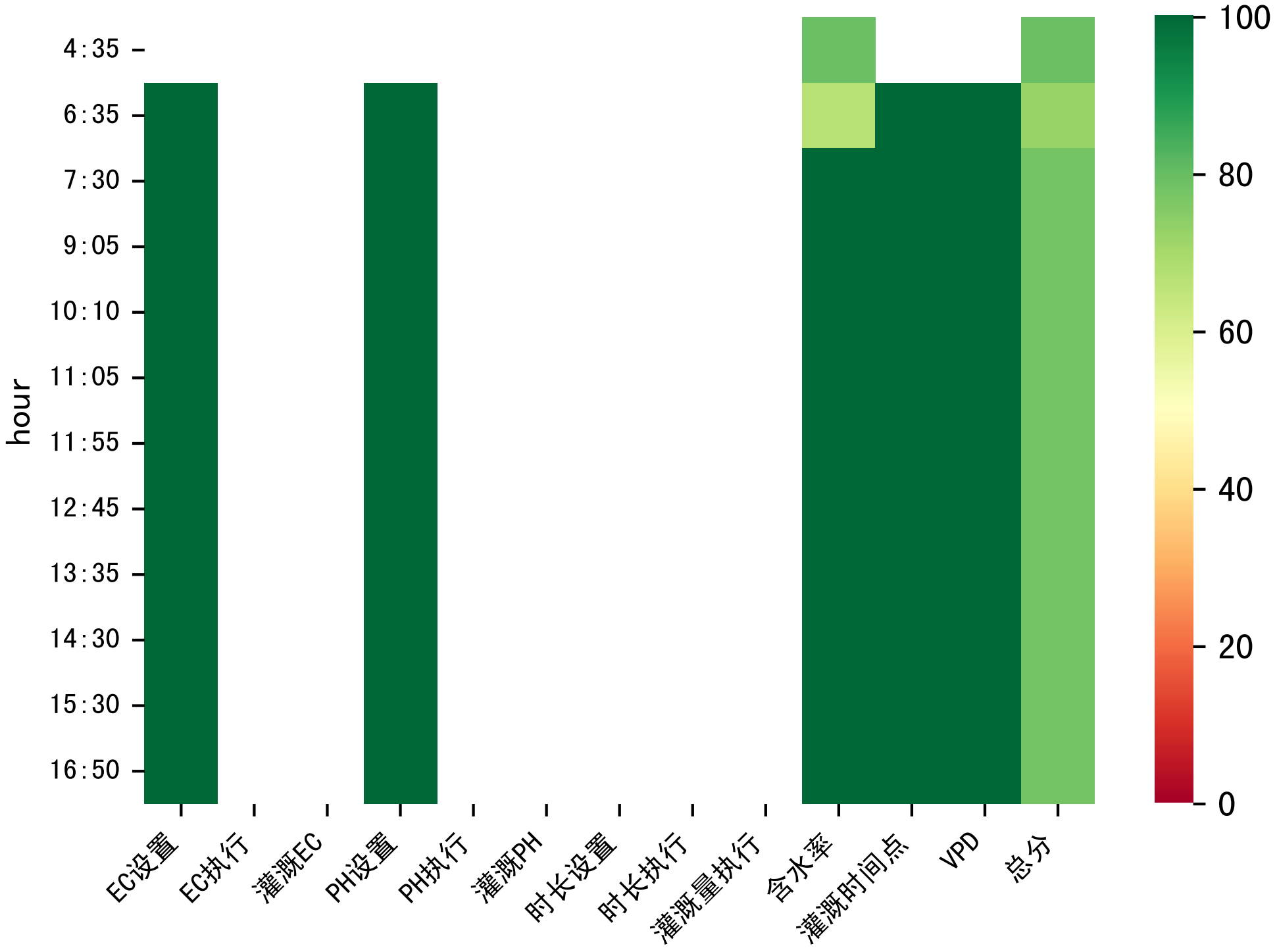




baiA	baiB
0.9612	0.0274



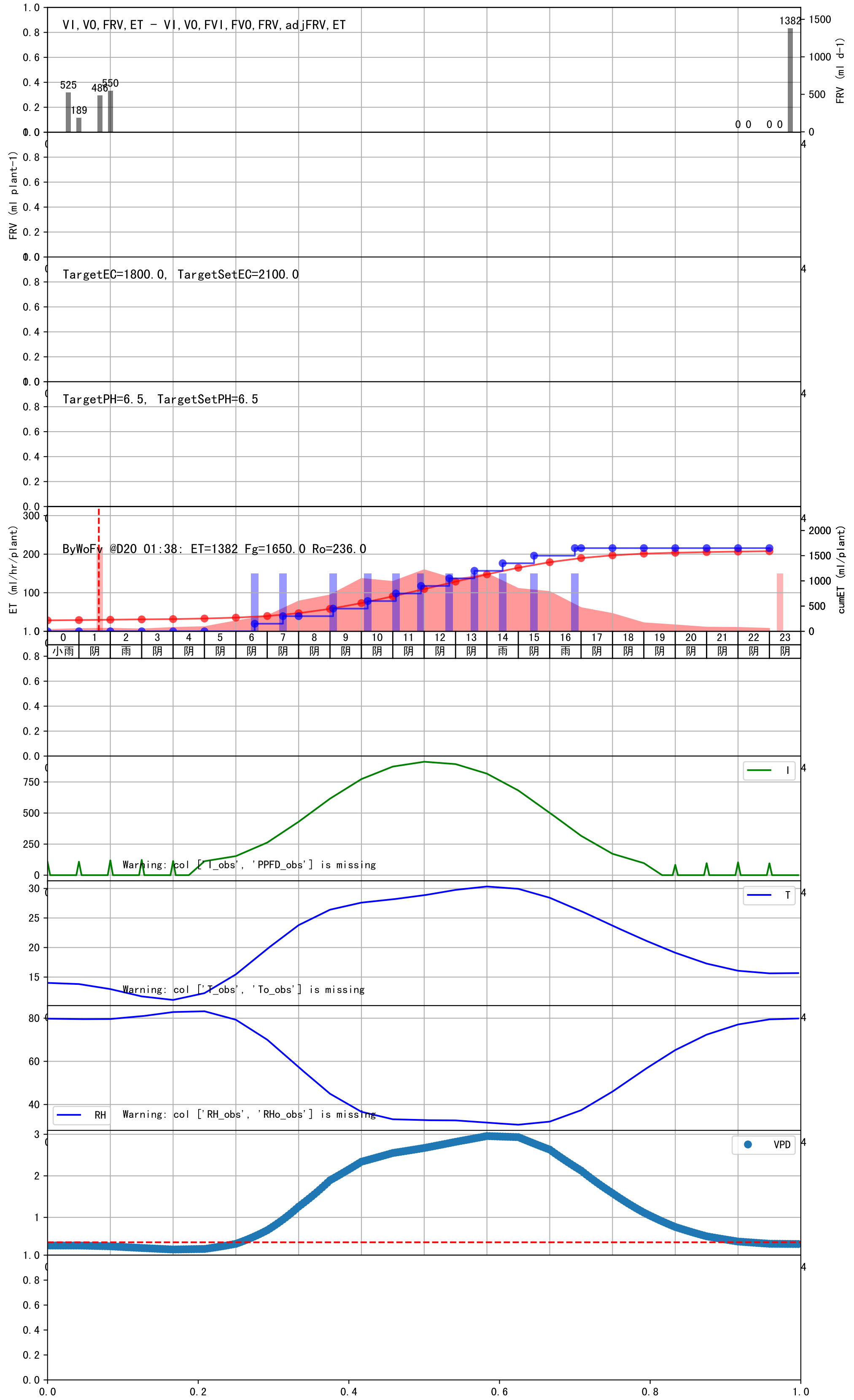


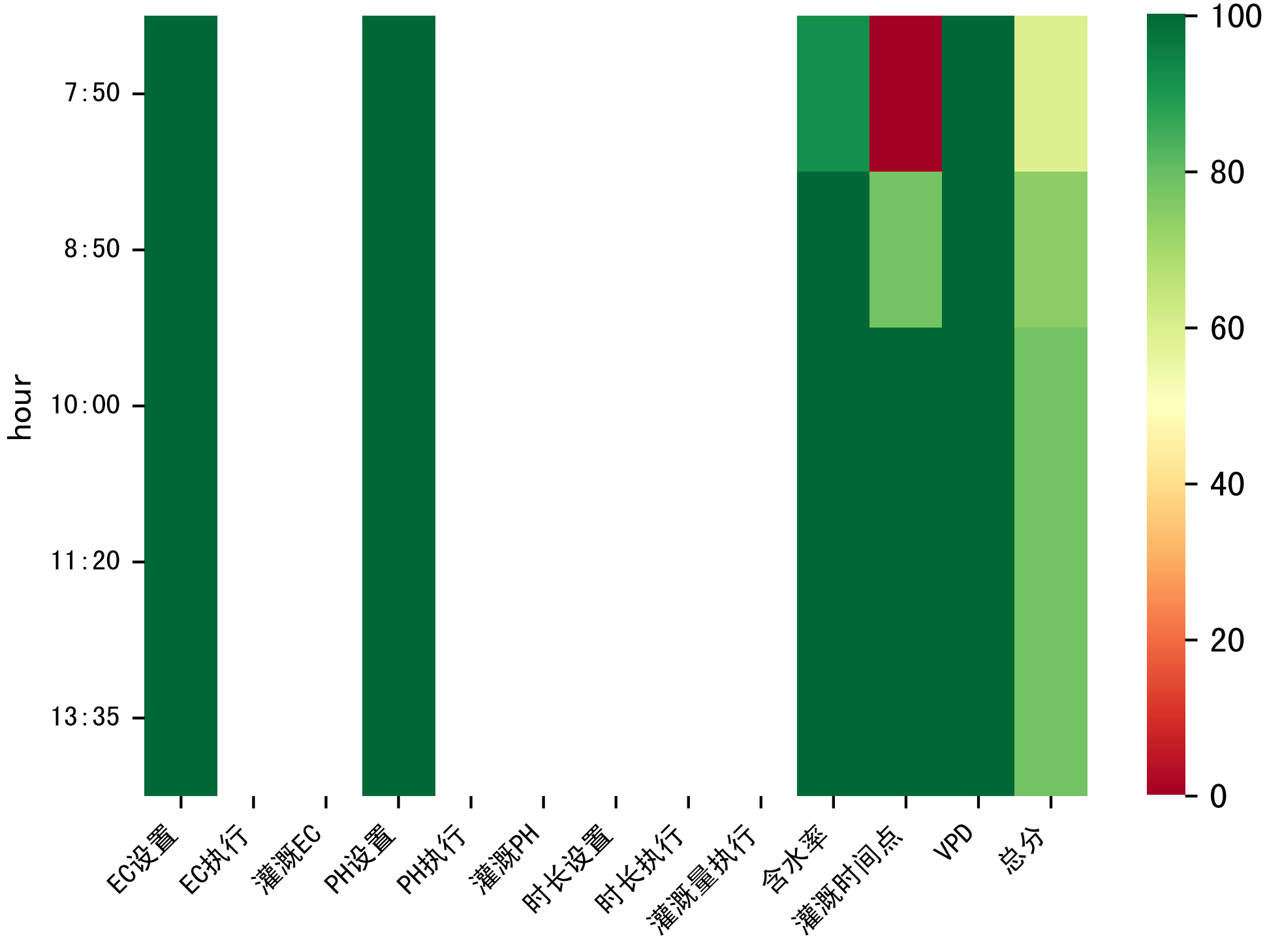

hour
4:35
6:35
7:30
9:05
10:10
11:05
11:55
12:45
13:35
14:30
15:30
16:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:35	214	150.0	32.4	阴	预期@06:35 未知程序（未用传感器）
07:30	214	150.0	32.4	阴	预期@07:30 未知程序（未用传感器）
09:05	214	150.0	32.4	阴	预期@09:05 未知程序（未用传感器）
10:10	214	150.0	32.4	阴	预期@10:10 未知程序（未用传感器）
11:05	214	150.0	32.4	阴	预期@11:05 未知程序（未用传感器）
11:55	214	150.0	32.4	阴	预期@11:55 未知程序（未用传感器）
12:45	214	150.0	32.4	阴	预期@12:45 未知程序（未用传感器）
13:35	214	150.0	32.4	阴	预期@13:35 未知程序（未用传感器）
14:30	214	150.0	32.4	雨	预期@14:30 未知程序（未用传感器）
15:30	214	150.0	32.4	阴	预期@15:30 未知程序（未用传感器）
16:50	214	150.0	32.4	雨	预期@16:50 未知程序（未用传感器）
总计	2354.0 (11次)	1650.0			建议进液EC：2100.0， PH：6.5

昨天灌溉PH（10.4）与设定PH（6.42）偏差较大，请检查
昨天灌溉PH（10.4）与手测PH（6.5）偏差较大，请检查

G3-2_0, Day=20 (2025-06-01)

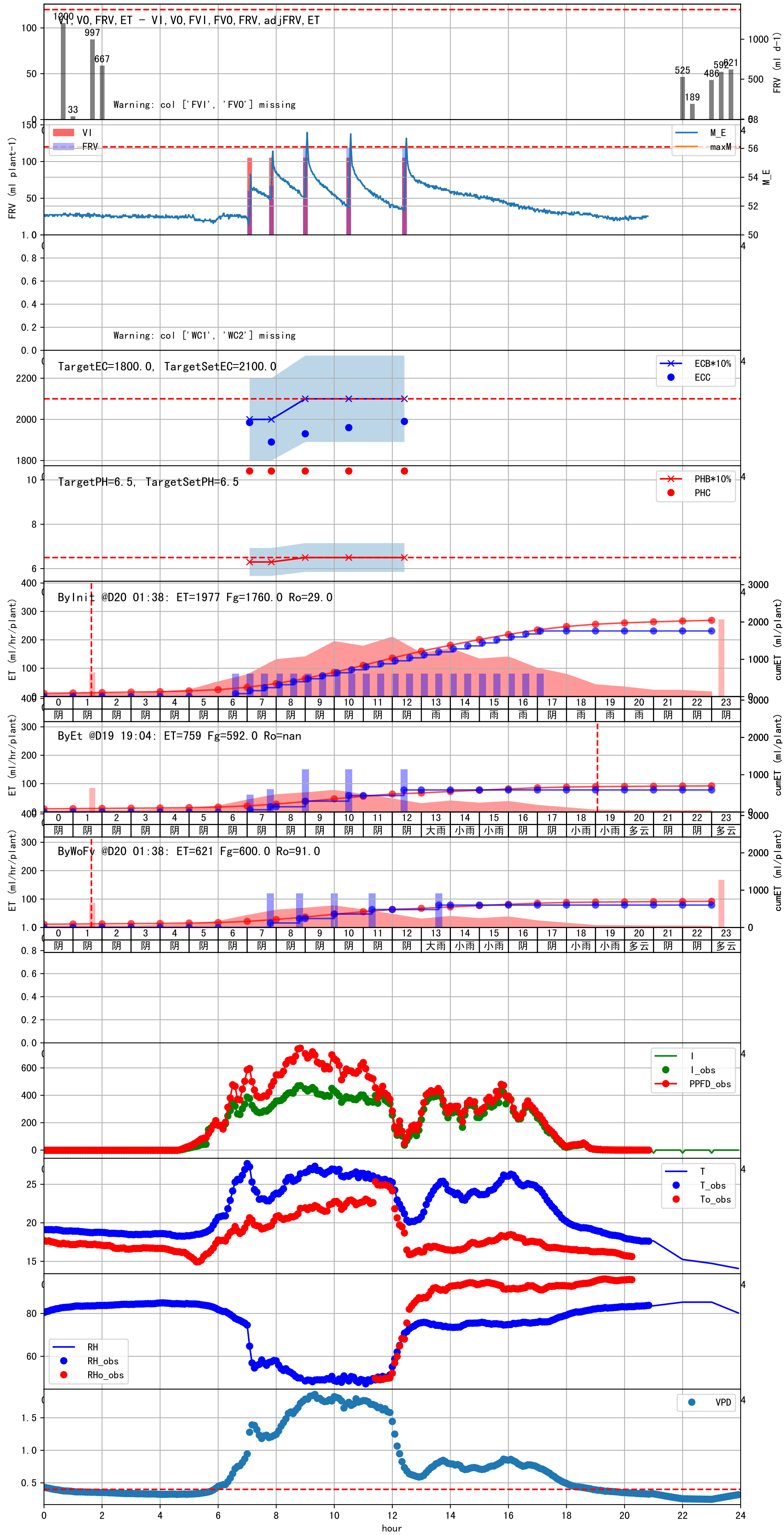


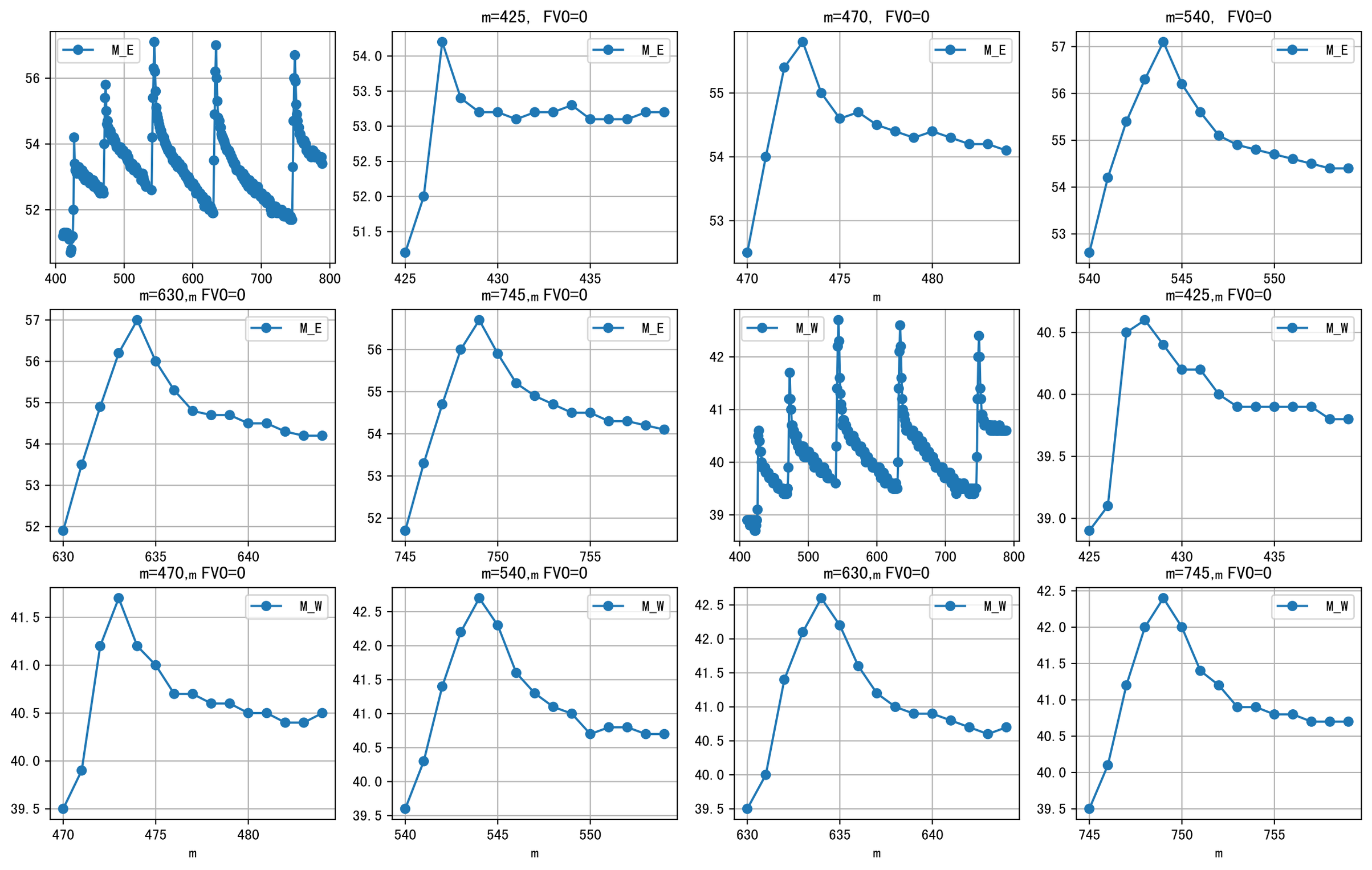

hour
7:50
8:50
10:00
11:20
13:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

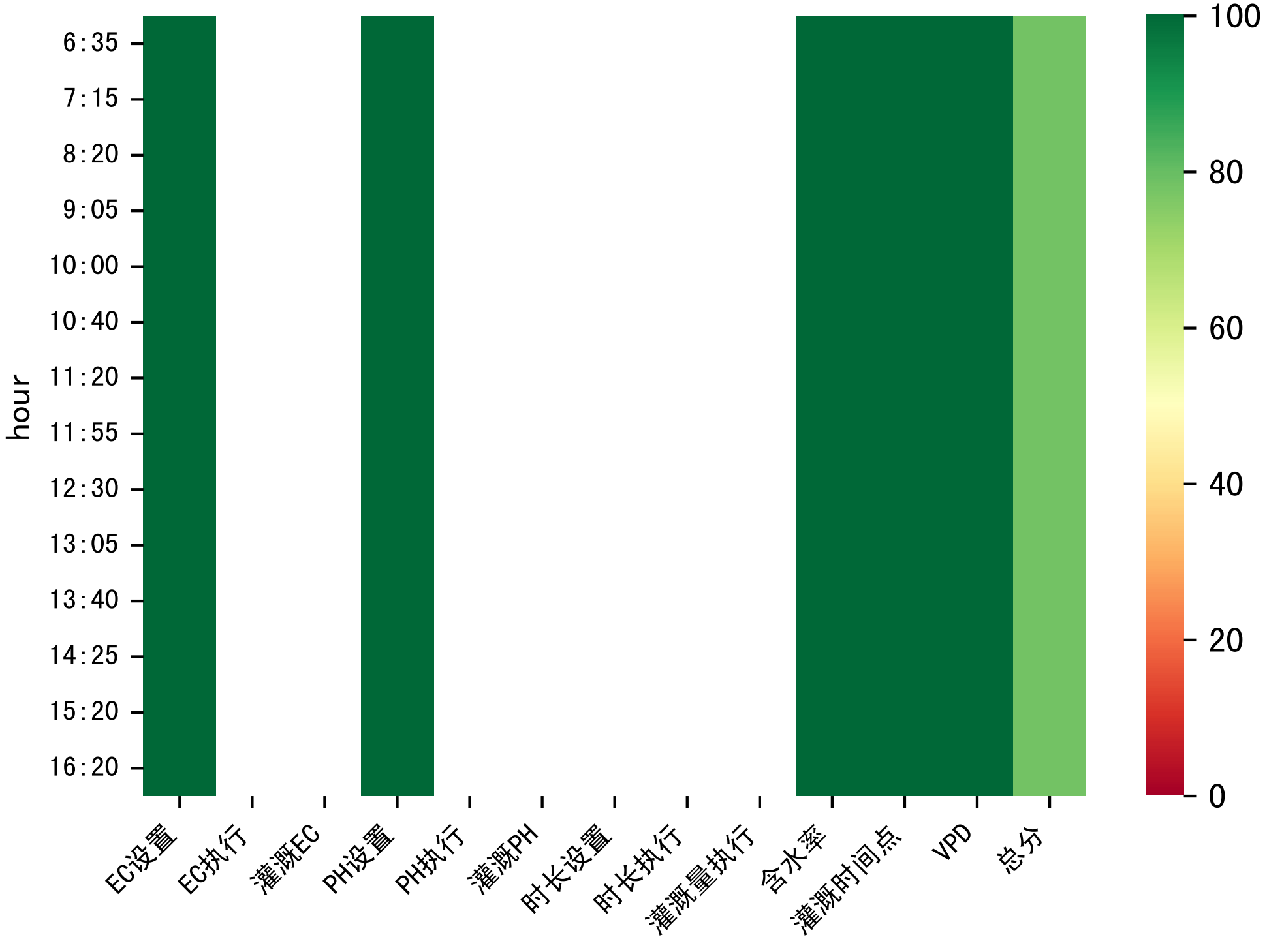
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
07:50	87	120.0	25.92	阴	假设@07:50 自动（未用传感器）
08:50	87	120.0	25.92	阴	假设@08:50 自动（未用传感器）
10:00	87	120.0	25.92	阴	假设@10:00 自动（未用传感器）
11:20	87	120.0	25.92	阴	假设@11:20 自动（未用传感器）
13:35	87	120.0	25.92	大雨	假设@13:35 自动（未用传感器）
总计	435.0 (5次)	600.0			建议进液EC：2100.0， PH：6.5

施肥机灌溉量与预期值不符 (121.0 : 150.0)，可能水表需要校准
上次灌溉时长未按模型建议(214 vs 171.0))
默认实际灌溉150.0 ml.
昨天灌溉PH（10.37）与设定PH（6.3）偏差较大，请检查
昨天灌溉PH（10.37）与手测PH（6.5）偏差较大，请检查
进回液EC差(1890.0 vs 2908.0)偏高
上次灌溉PH (10.4) 与设定值（6.5）偏差较大，请检查。
上次灌溉PH (10.4) 与模型建议（6.5）偏差较大，请检查。

G3-2_0, Day=19 (2025-05-31)



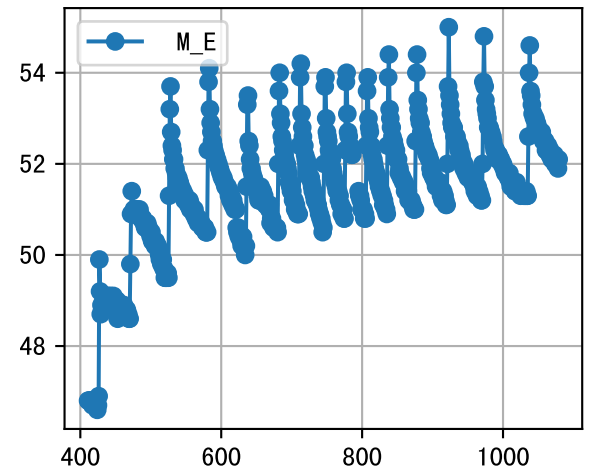

M_E
M_W
m=425, FV0=0
m=470, FV0=0
m=540, FV0=0
m=630,m FV0=0
m=745,m FV0=0
m=425,m FV0=0
m=470,m FV0=0
m=540,m FV0=0
m=630,m FV0=0
m=745,m FV0=0
m

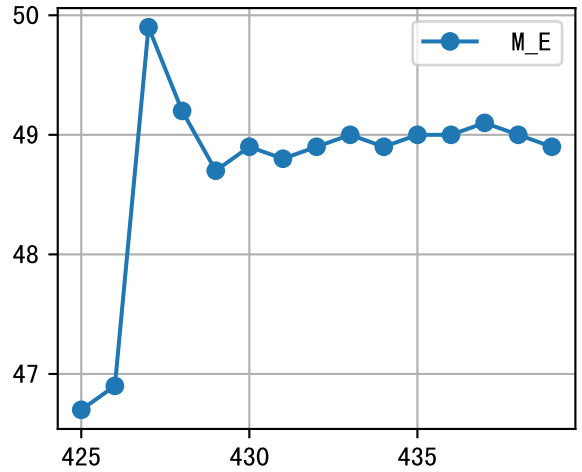

hour
6:35
7:15
8:20
9:05
10:00
10:40
11:20
11:55
12:30
13:05
13:40
14:25
15:20
16:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:35	87	70.0	15.12	阴	假设@06:35 自动（未用传感器）
07:15	87	70.0	15.12	阴	假设@07:15 自动（未用传感器）
08:20	87	70.0	15.12	阴	假设@08:20 自动（未用传感器）
09:05	87	70.0	15.12	阴	假设@09:05 自动（未用传感器）
10:00	87	70.0	15.12	阴	假设@10:00 自动（未用传感器）
10:40	87	70.0	15.12	阴	假设@10:40 自动（未用传感器）
11:20	87	70.0	15.12	阴	假设@11:20 自动（未用传感器）
11:55	87	70.0	15.12	阴	假设@11:55 自动（未用传感器）
12:30	87	70.0	15.12	阴	假设@12:30 自动（未用传感器）
13:05	87	70.0	15.12	阴	假设@13:05 自动（未用传感器）
13:40	87	70.0	15.12	阴	假设@13:40 自动（未用传感器）
14:25	87	70.0	15.12	阴	假设@14:25 自动（未用传感器）
15:20	87	70.0	15.12	阴	假设@15:20 自动（未用传感器）
16:20	87	70.0	15.12	阴	假设@16:20 自动（未用传感器）
总计	1218.0 (14次)	980.0			建议进液EC：2100.0， PH：6.3

上次灌溉流速比平时小 (0.52 vs 0.62)，可能有多阀同灌或管道堵塞或水压不足
施肥机灌溉量与预期值不符 (60.0 : 80.0)，可能水表需要校准
上次灌溉时长未按模型建议(116 vs 101.0))
默认实际灌溉80.0 ml.
昨天灌溉PH（10.35）与设定PH（6.0）偏差较大，请检查
昨天灌溉PH（10.35）与手测PH（6.5）偏差较大，请检查
进回液EC差(1927.0 vs 3455.0)过高
上次灌溉PH (10.4) 与设定值（6.3）偏差较大，请检查。
上次灌溉PH (10.4) 与模型建议（6.3）偏差较大，请检查。

G3-2_0, Day=18 (2025-05-30)


M_E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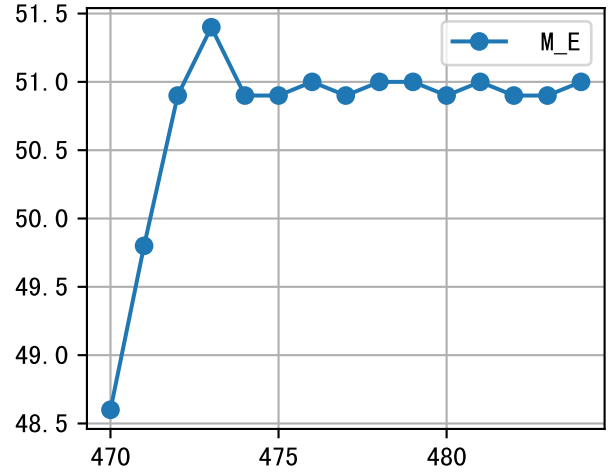
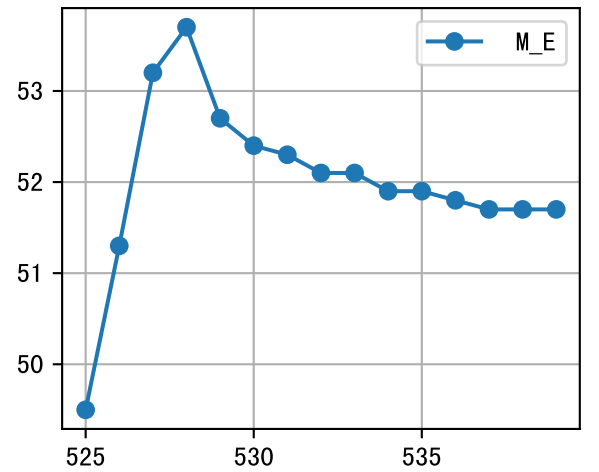
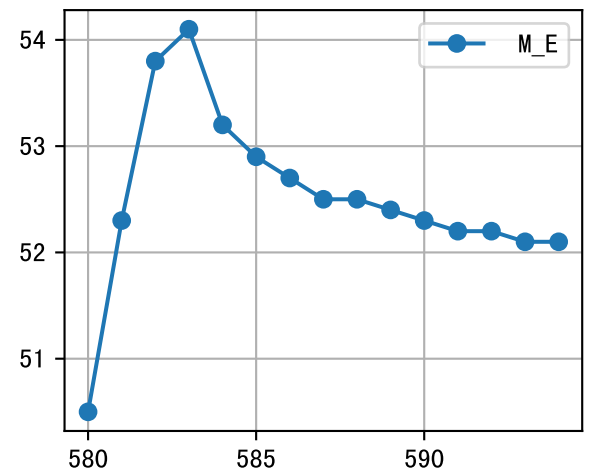
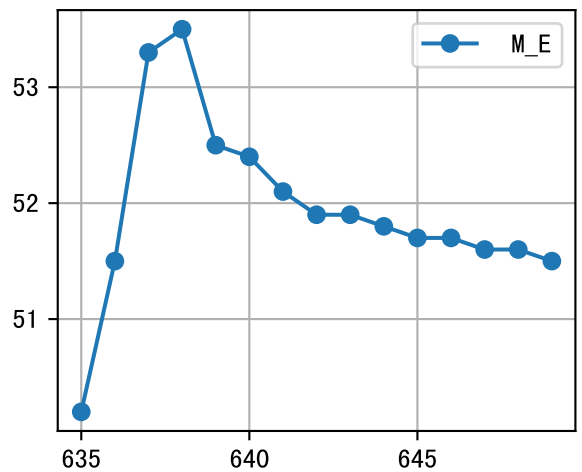
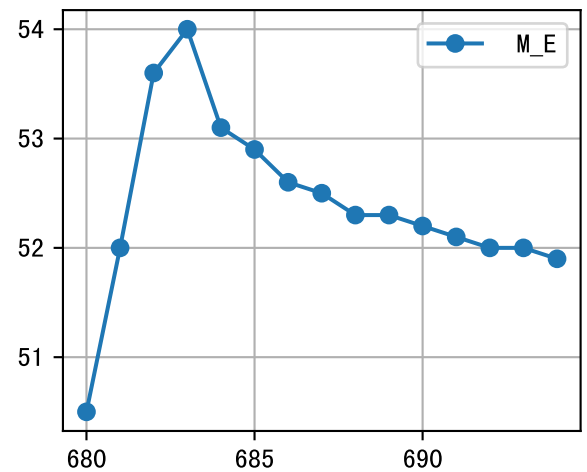
M_E

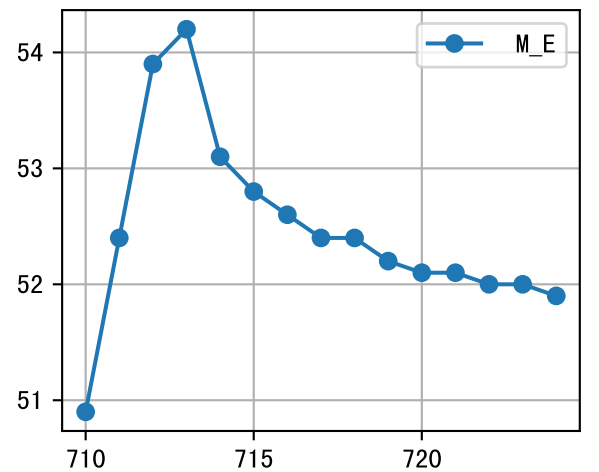

m=470, FV0=0
M_E

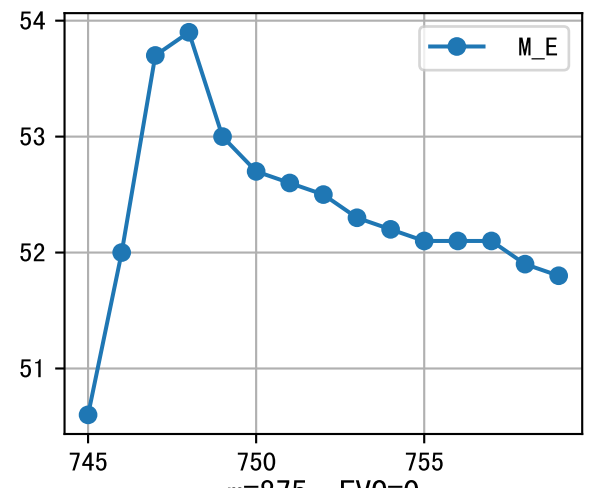

m=525, FV0=0
M_E

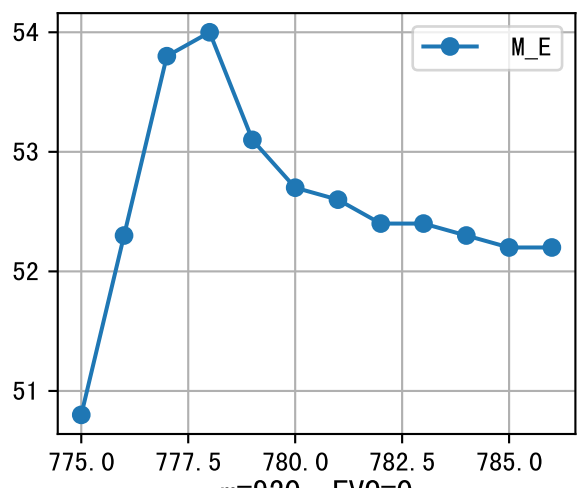

m=580,m FV0=0
M_E

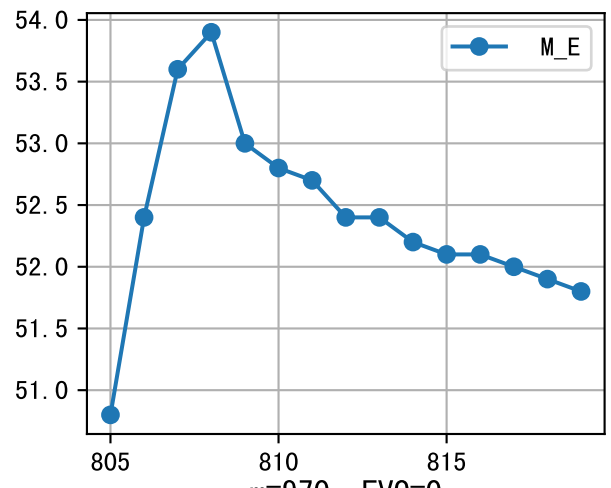

m=635,m FV0=0
M_E

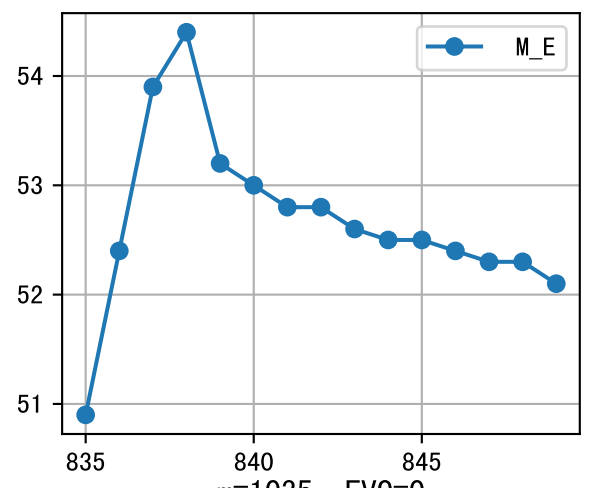

m=680,m FV0=0
M_E

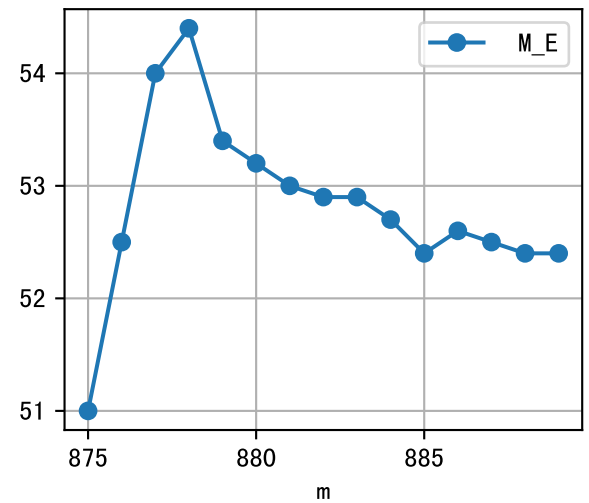

m=710,m FV0=0
M_E

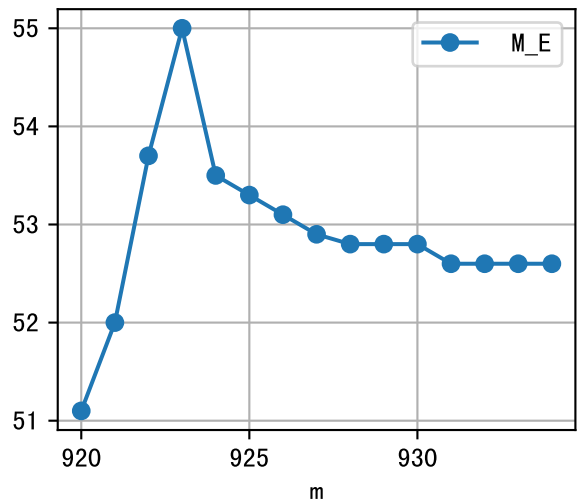

m=745,m FV0=0
M_E

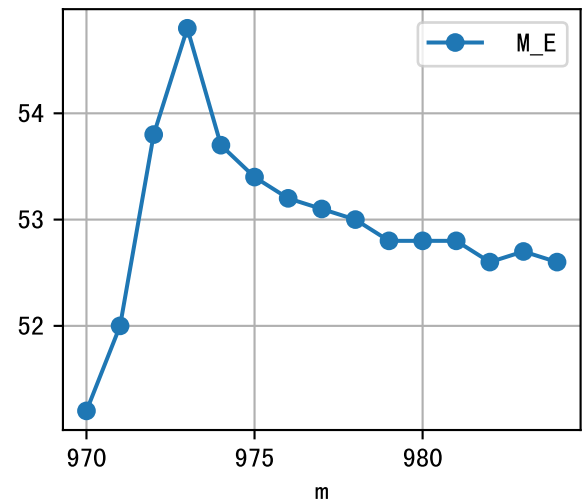

m=775,m FV0=0
M_E

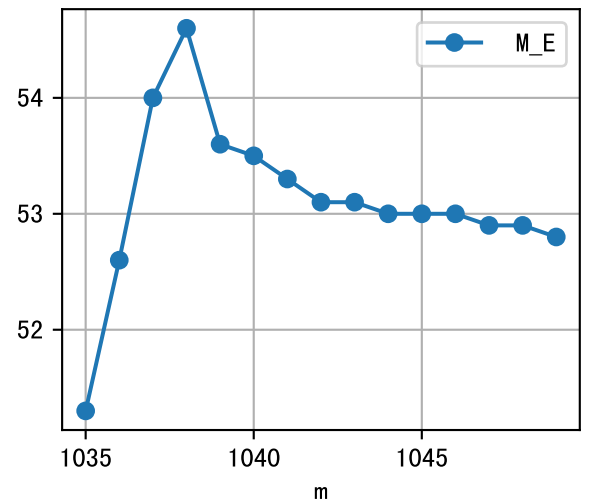

m=805,m FV0=0
M_E

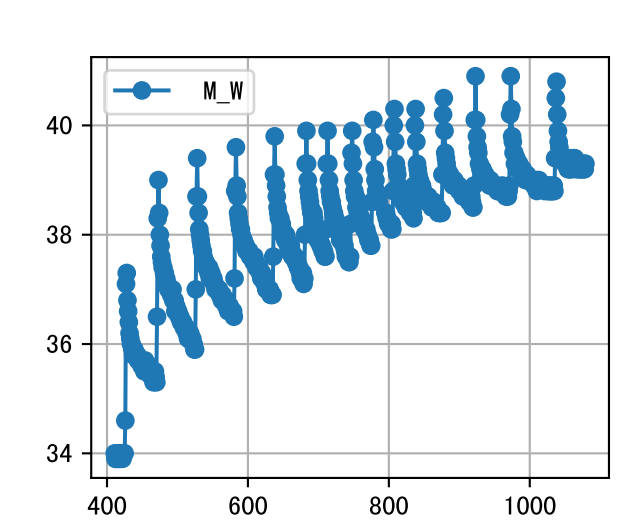

m=835,m FV0=0
M_E

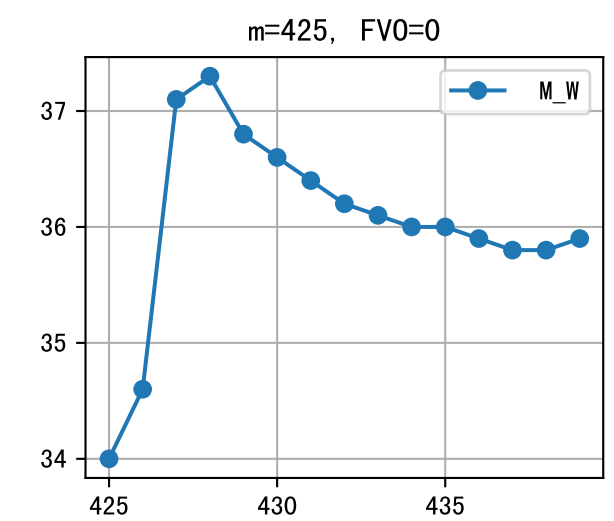

m=875,m FV0=0
M_E
m

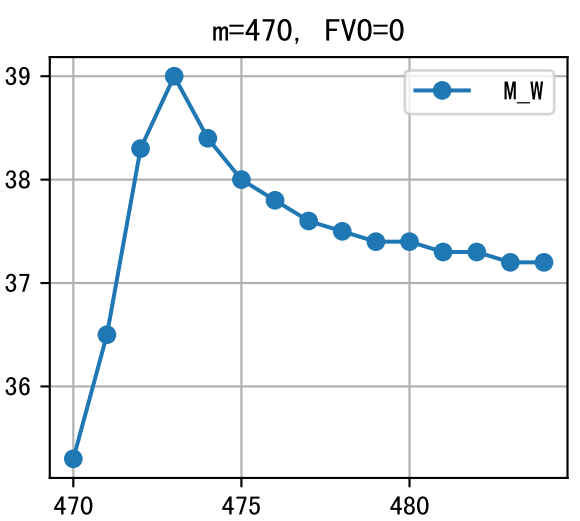

m=920,m FV0=0
M_E
m

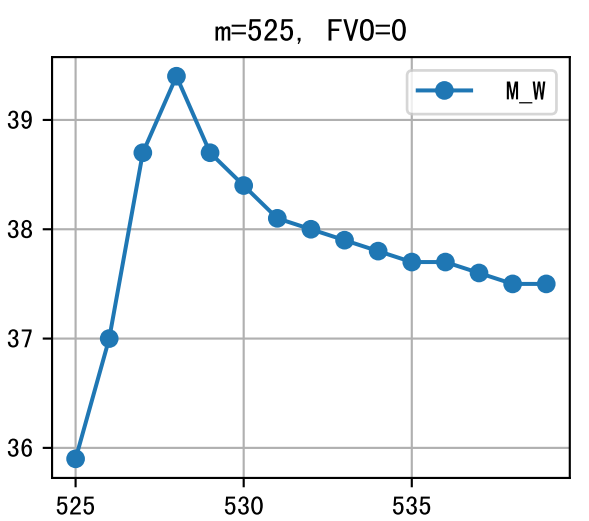

m=970,m FV0=0
M_E
m

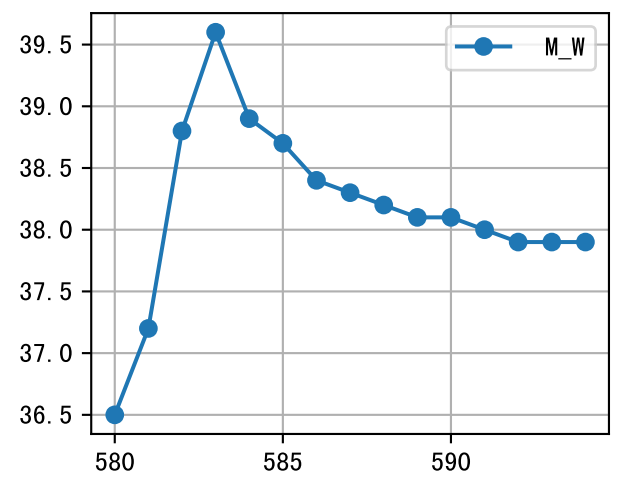

m=1035m FV0=0
M_E
m

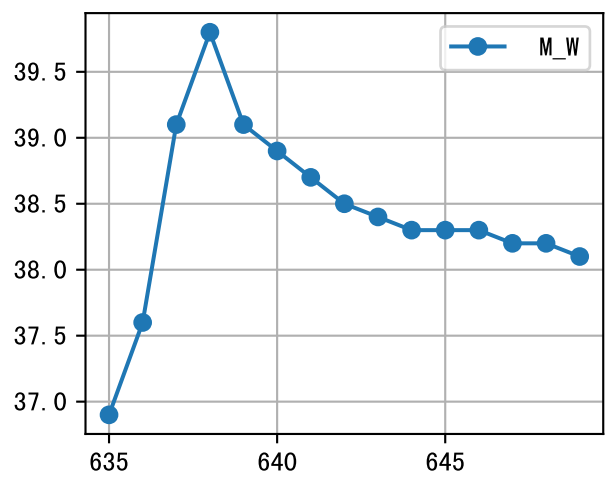

M_W

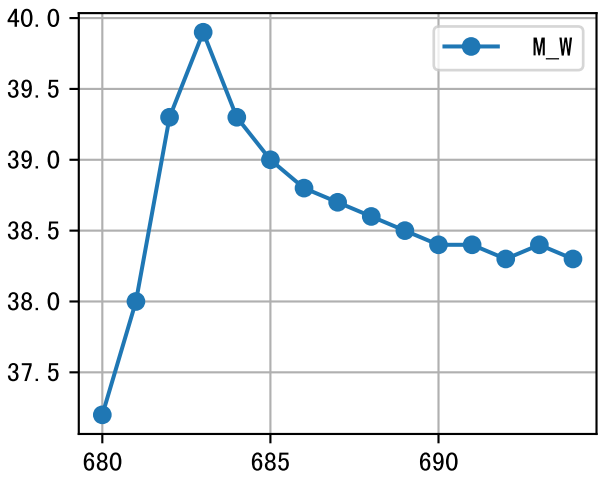

m=425, FV0=0
M_W

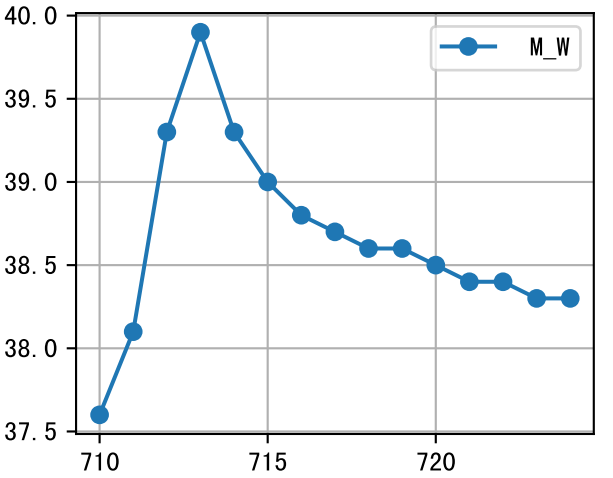

m=470, FV0=0
M_W

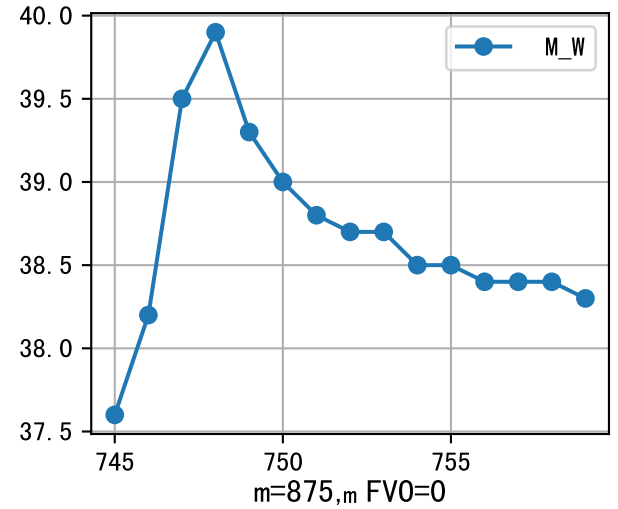

m=525, FV0=0
M_W


m=580,m FV0=0
M_W


m=635,m FV0=0
M_W


m=680,m FV0=0
M_W


m=710,m FV0=0
M_W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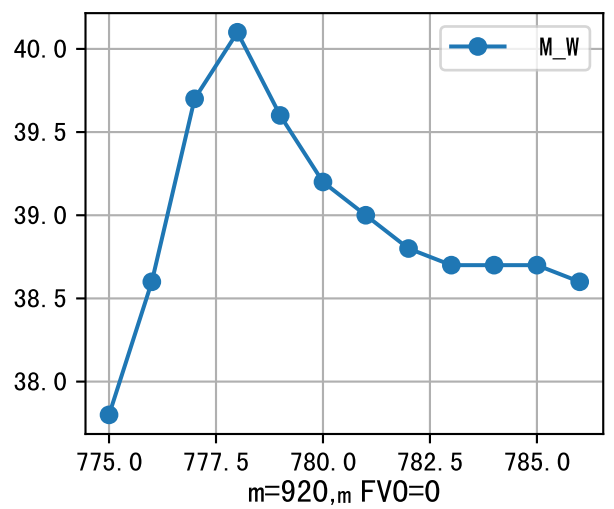
M_W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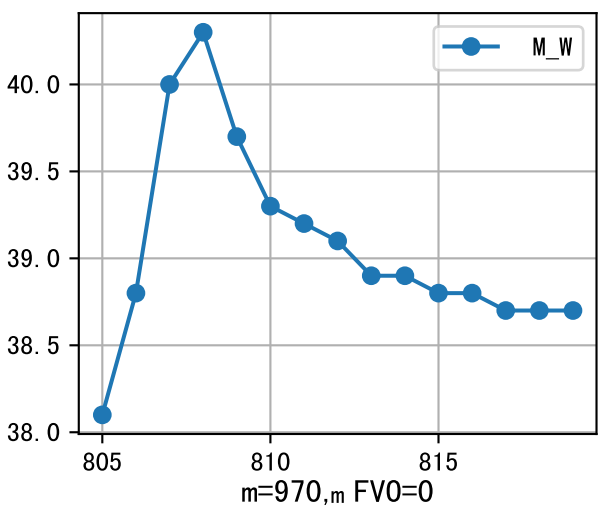
M_W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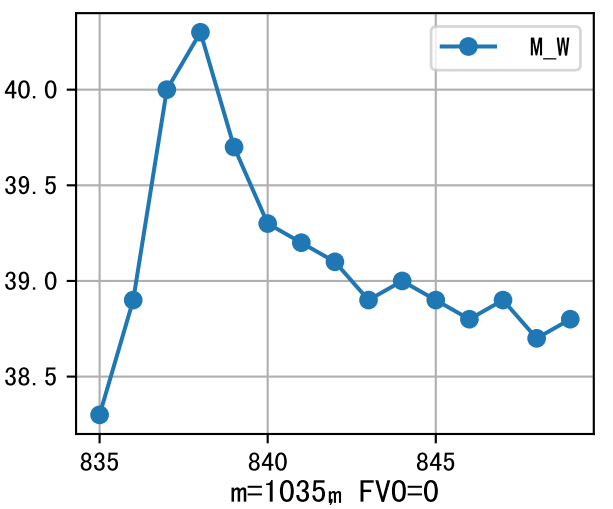
M_W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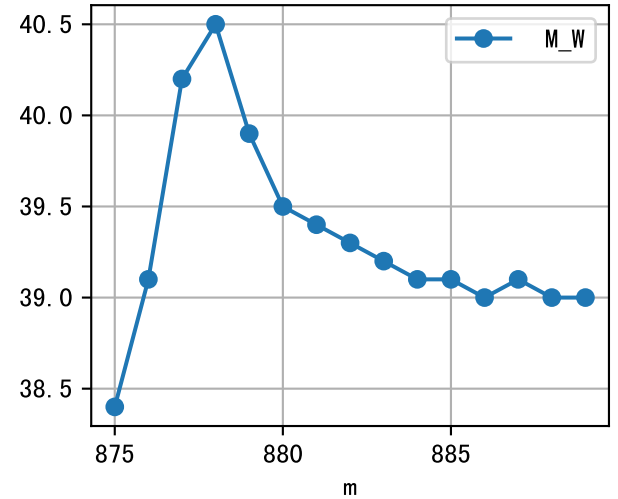
M_W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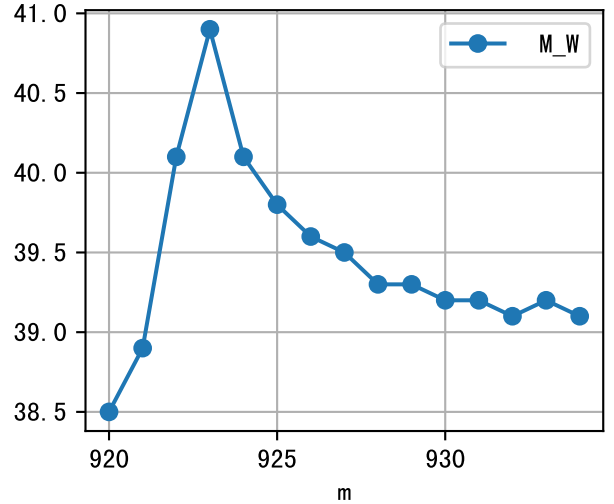
M_W
m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M_W
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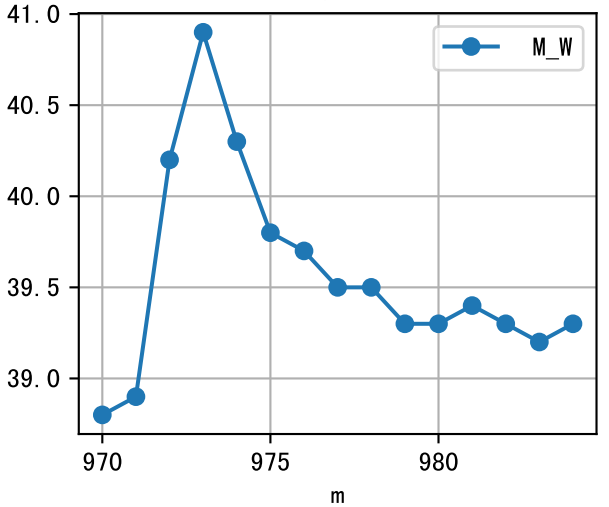
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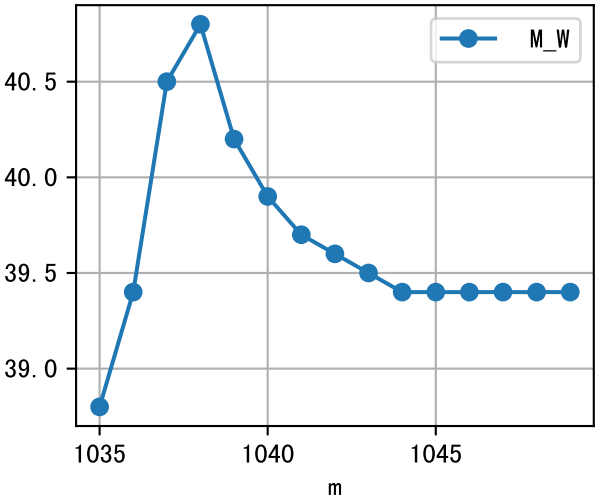
M_W
m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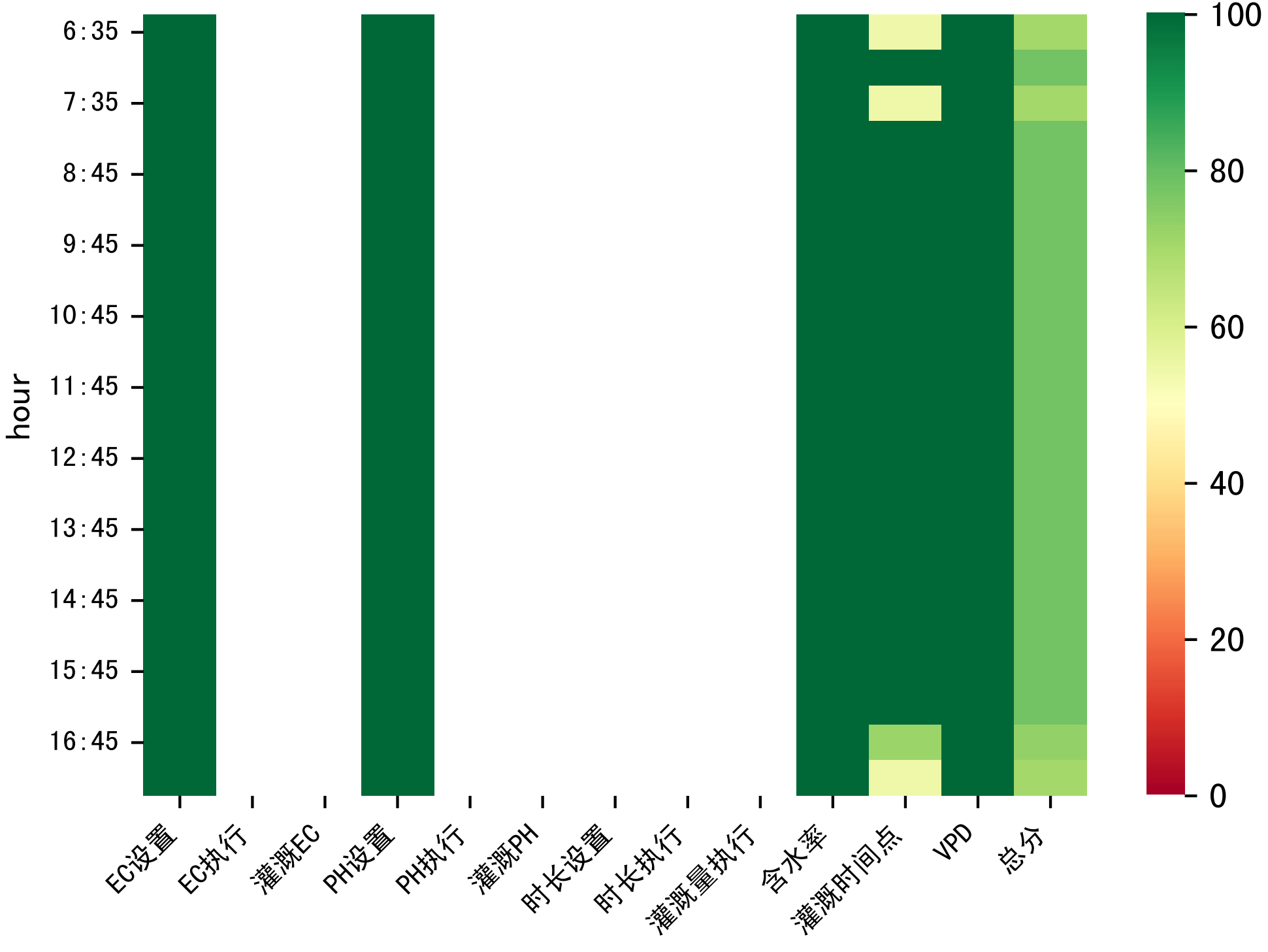
M_W
m

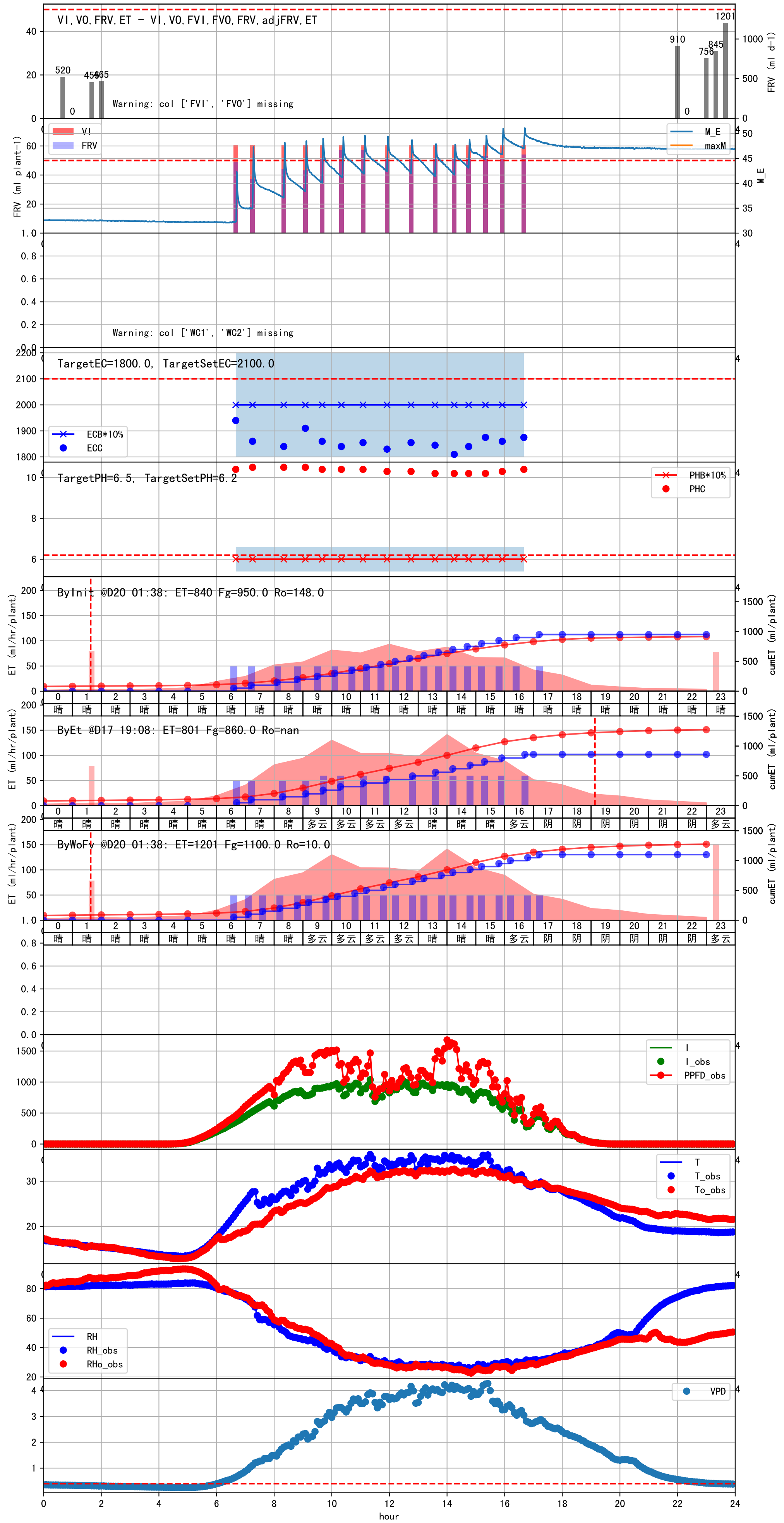

hour
6:35
7:35
8:45
9:45
10:45
11:45
12:45
13:45
14:45
15:45
16:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

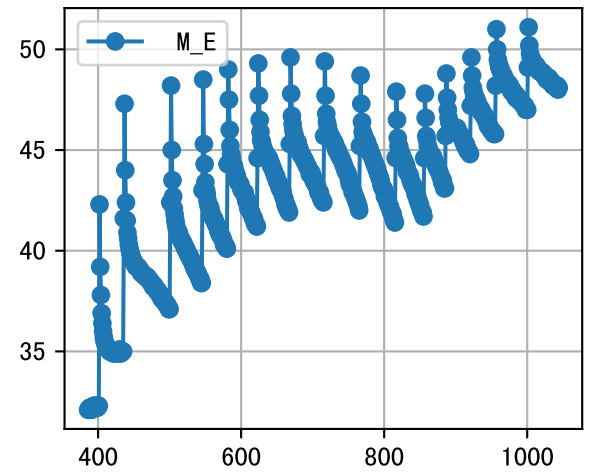
G3-2

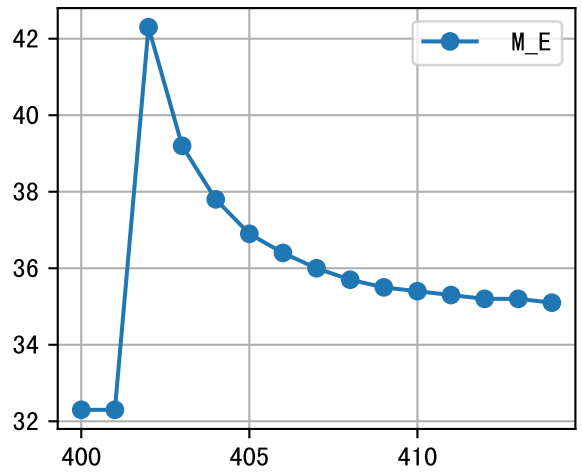
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:35	72	50.0	10.8	晴	假设@06:35 自动（未用传感器）
07:05	72	50.0	10.8	晴	假设@07:05 自动（未用传感器）
07:35	72	50.0	10.8	晴	假设@07:35 自动（未用传感器）
08:15	72	50.0	10.8	晴	假设@08:15 自动（未用传感器）
08:45	72	50.0	10.8	晴	假设@08:45 自动（未用传感器）
09:15	72	50.0	10.8	多云	假设@09:15 自动（未用传感器）
09:45	72	50.0	10.8	多云	假设@09:45 自动（未用传感器）
10:15	72	50.0	10.8	多云	假设@10:15 自动（未用传感器）
10:45	72	50.0	10.8	多云	假设@10:45 自动（未用传感器）
11:15	72	50.0	10.8	多云	假设@11:15 自动（未用传感器）
11:45	72	50.0	10.8	多云	假设@11:45 自动（未用传感器）
12:15	72	50.0	10.8	多云	假设@12:15 自动（未用传感器）
12:45	72	50.0	10.8	多云	假设@12:45 自动（未用传感器）
13:15	72	50.0	10.8	晴	假设@13:15 自动（未用传感器）
13:45	72	50.0	10.8	晴	假设@13:45 自动（未用传感器）
14:15	72	50.0	10.8	晴	假设@14:15 自动（未用传感器）
14:45	72	50.0	10.8	晴	假设@14:45 自动（未用传感器）
15:15	72	50.0	10.8	晴	假设@15:15 自动（未用传感器）
15:45	72	50.0	10.8	晴	假设@15:45 自动（未用传感器）
16:15	72	50.0	10.8	多云	假设@16:15 自动（未用传感器）
16:45	72	50.0	10.8	多云	假设@16:45 自动（未用传感器）
17:15	72	50.0	10.8	阴	假设@17:15 自动（未用传感器）
总计	1584.0 (22次)	1100.0			建议进液EC：2100.0， PH：6.2

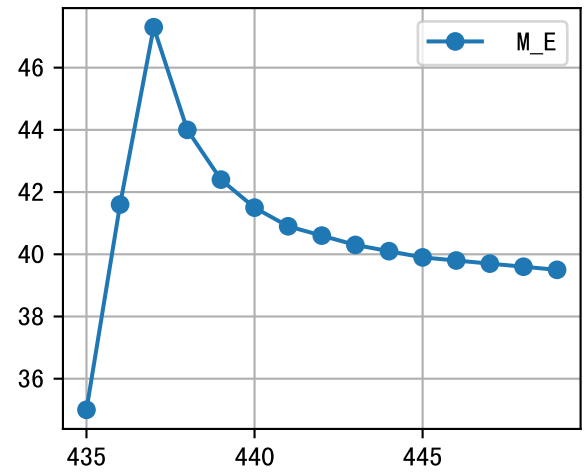
上次灌溉时长未按模型建议(87 vs 74.0))
默认实际灌溉59.0 ml.
昨天灌溉PH（10.25）与设定PH（6.0）偏差较大，请检查
昨天灌溉PH（10.25）与手测PH（6.5）偏差较大，请检查
昨天进回液EC数据缺失.
回液EC 3740.0 太高，建议用低EC肥液冲洗基质
进回液EC差(1958.0 vs 3740.0)过高
昨天灌溉进排液EC/PH值缺失，可能影响模型决策
上次灌溉PH (10.4) 与设定值（6.0）偏差较大，请检查。
上次灌溉PH (10.4) 与模型建议（6.2）偏差较大，请检查。

G3-2_0, Day=17 (2025-05-29)




M_E
50
45
40
35
400
600
800
1000


m=400, FV0=0
M_E
42
40
38
36
34
32
400
405
410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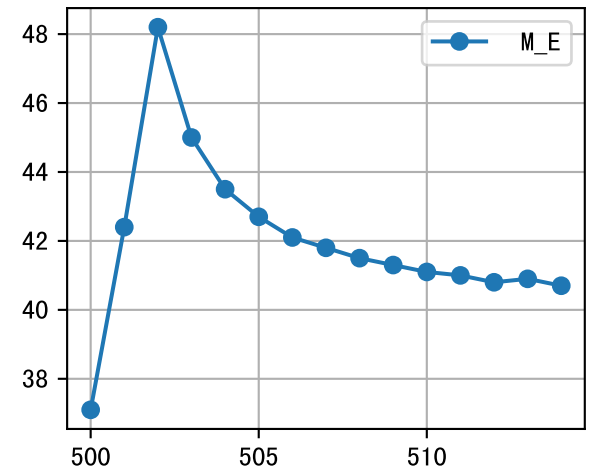
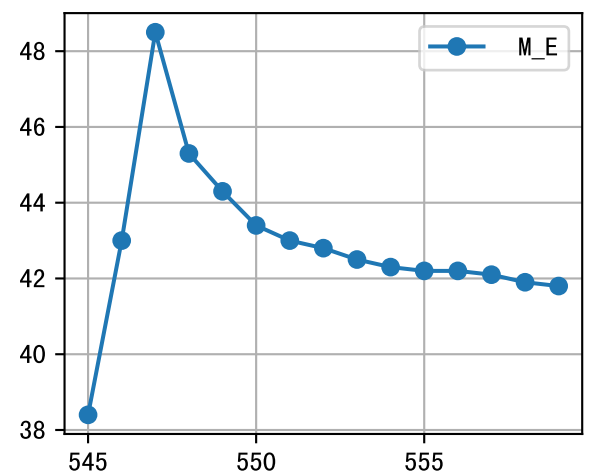
M_E
46
44
42
40
38
36
435
440
445


m=500, FV0=0
M_E
48
46
44
42
40
38
500
505
510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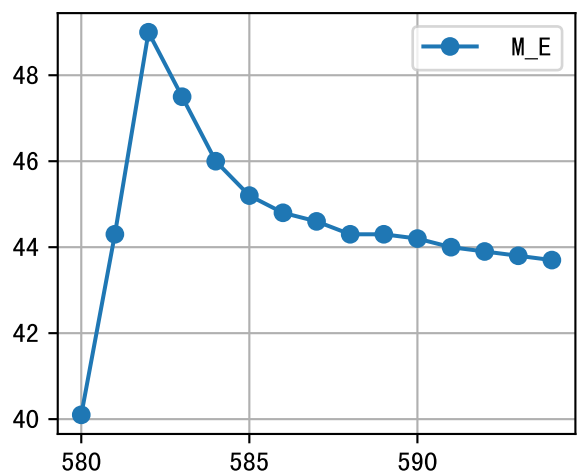
M_E
48
46
44
42
40
38
545
550
555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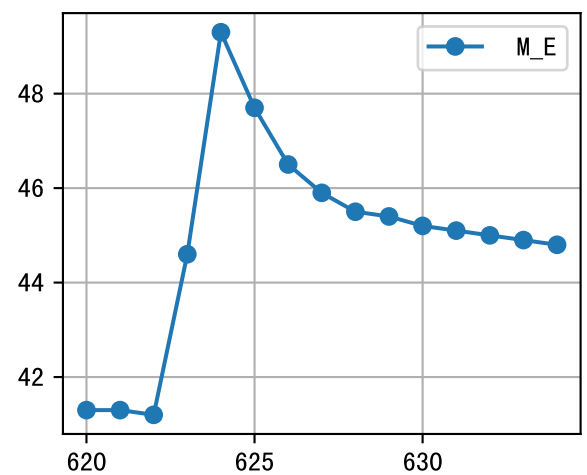
M_E
48
46
44
42
40
580
585
590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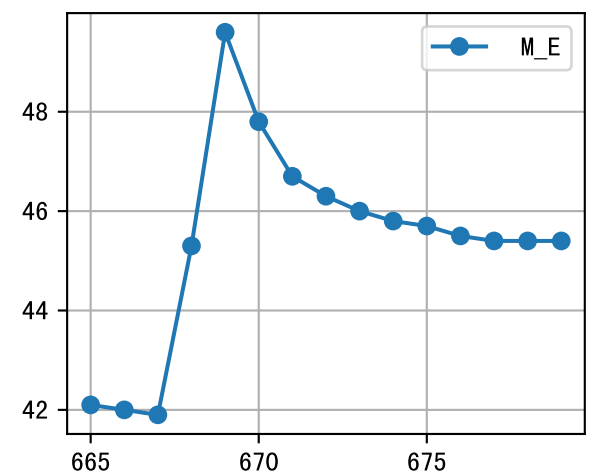
M_E
48
46
44
42
620
625
630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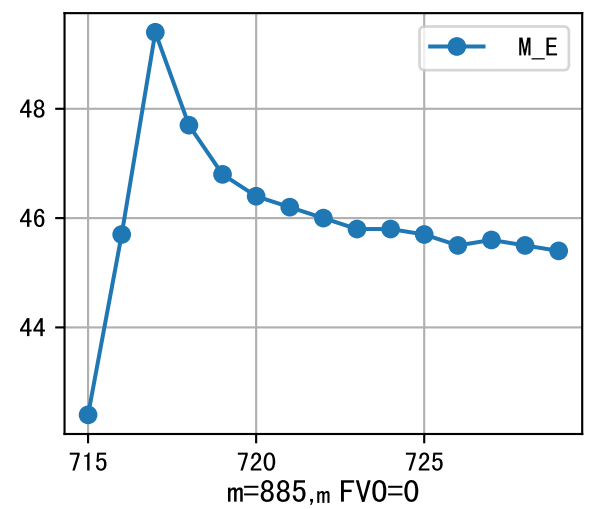
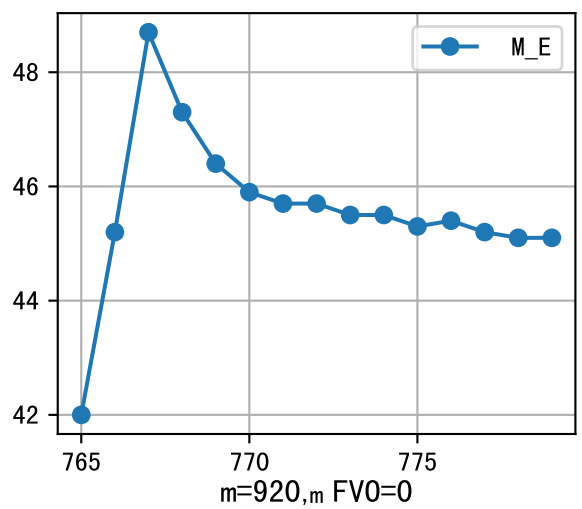
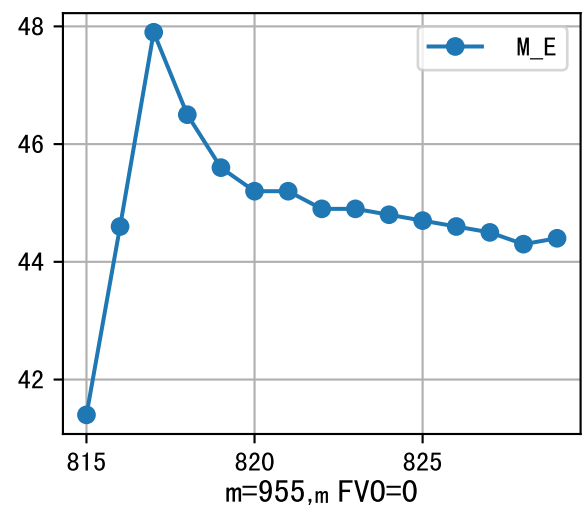
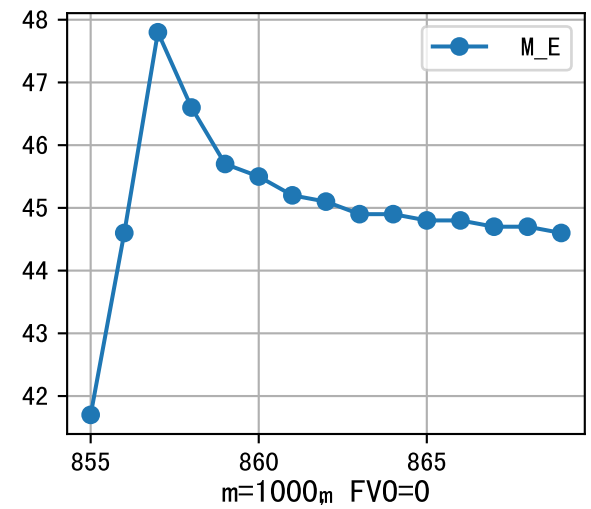
M_E
48
46
44
42
665
670
675


M_E
48
46
44
715
720
725
m=715,m FV0=0


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


M_E
48
46
44
42
815
820
825
m=815,m FV0=0


M_E
48
47
46
45
44
43
42
855
860
865
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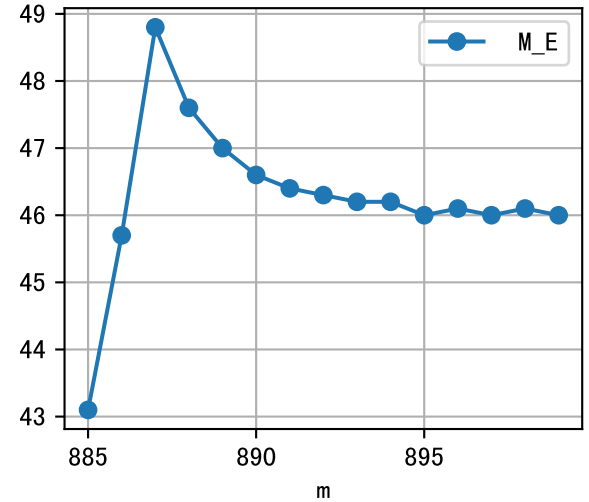
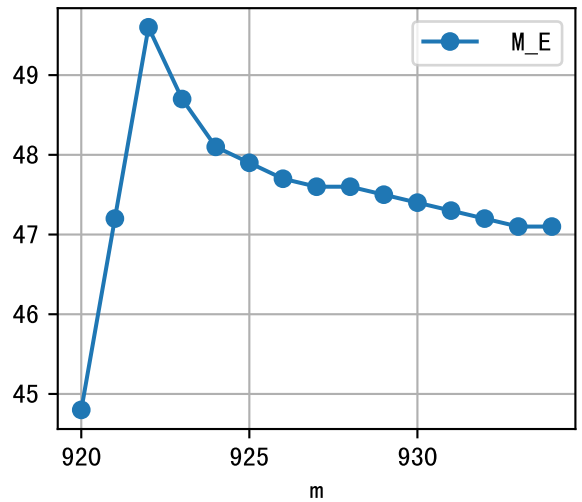

M_E
49
48
47
46
45
44
43
885
890
895
m=885,m FV0=0
m


M_E
49
48
47
46
45
920
925
930
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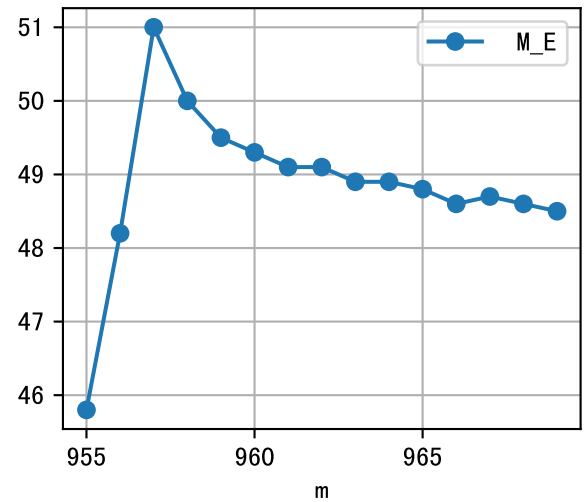
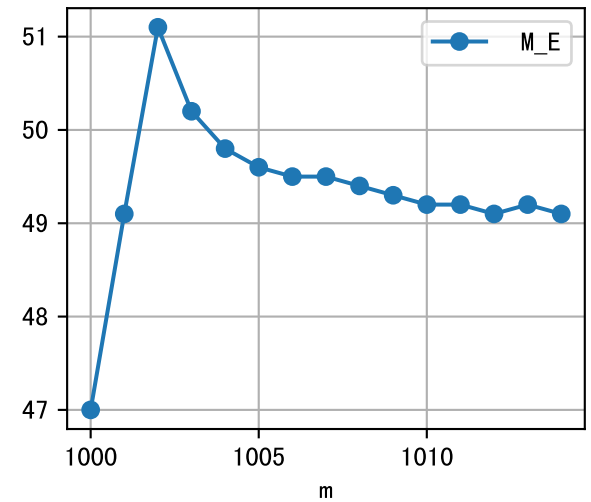
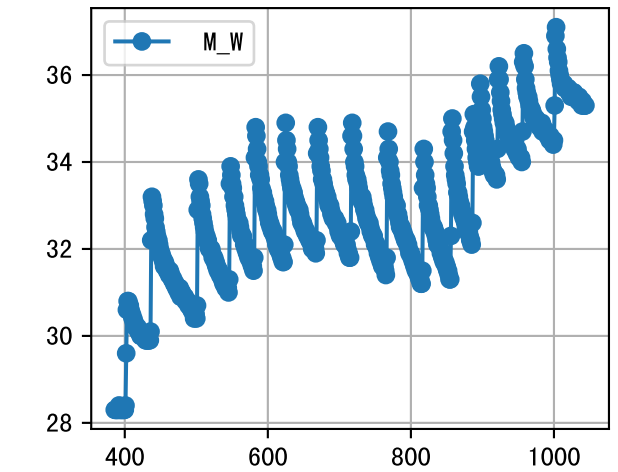
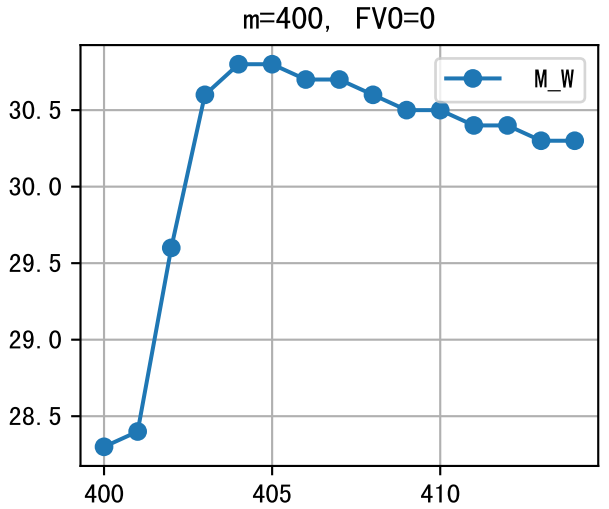
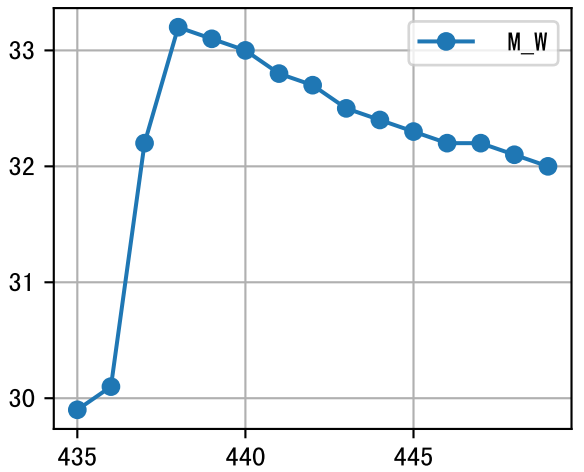
m

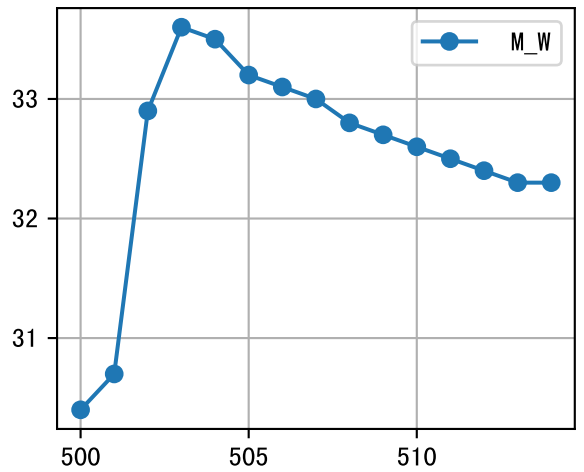

M_E
51
50
49
48
47
46
955
960
965
m=955,m FV0=0
m

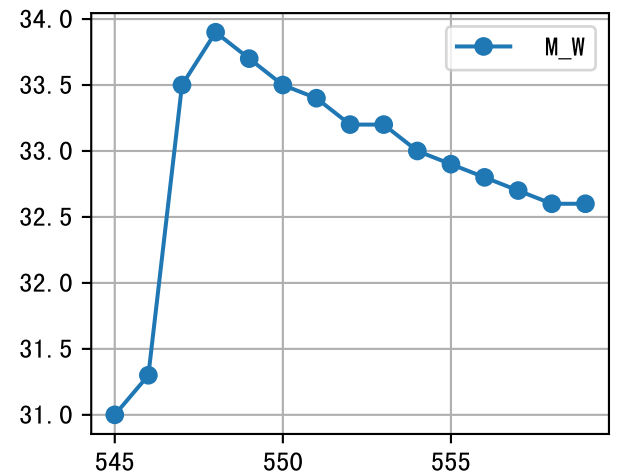

M_E
51
50
49
48
47
1000
1005
1010
m=1000m FV0=0
m

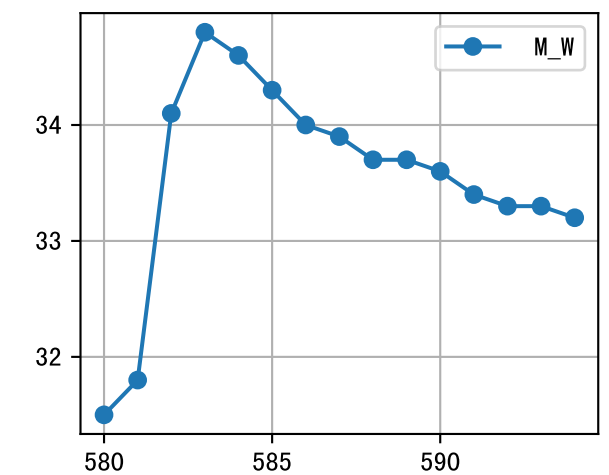

M_W
36
34
32
30
28
400
600
800
1000

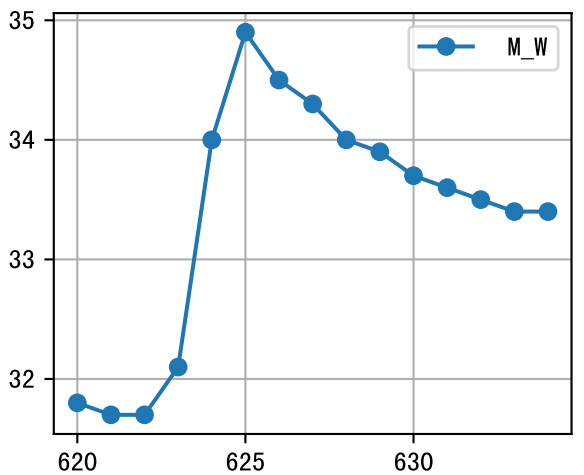

m=400, FV0=0
M_W
30.5
30.0
29.5
29.0
28.5
400
405
410

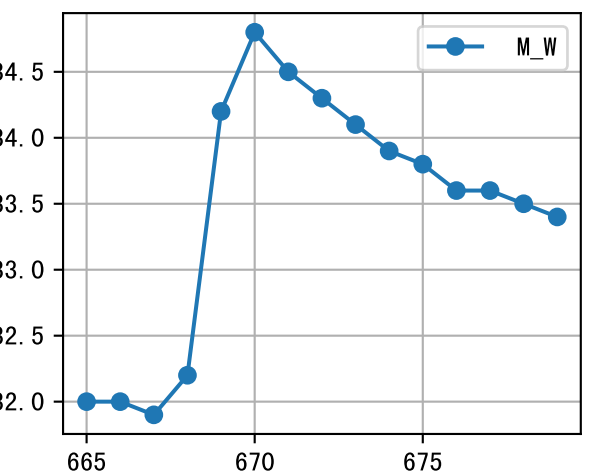

m=435, FV0=0
M_W
33
32
31
30
435
440
445

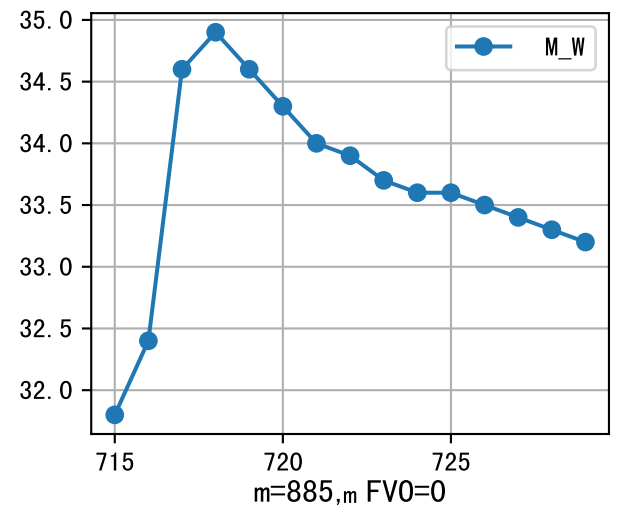

m=500, FV0=0
M_W
33
32
31
500
505
510

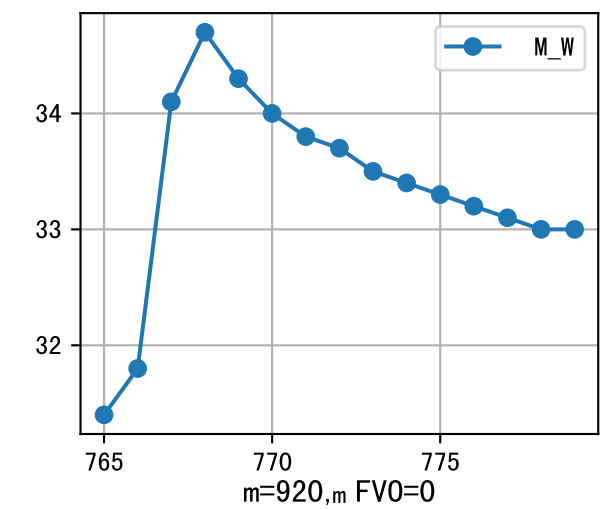

m=545,m FV0=0
M_W
34.0
33.5
33.0
32.5
32.0
31.5
31.0
545
550
555
m=715,m FV0=0

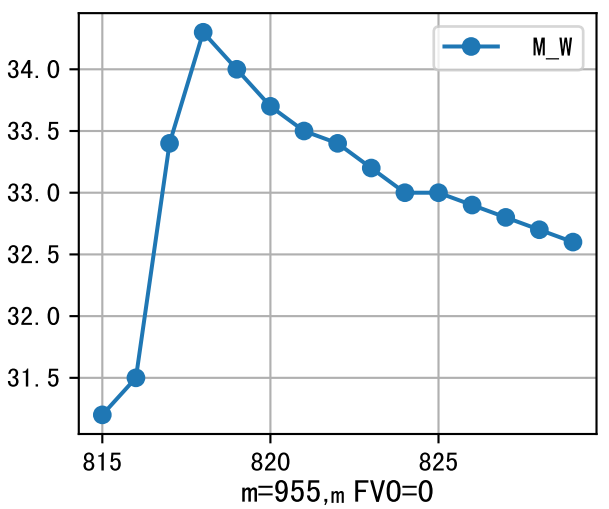

m=580,m FV0=0
M_W
34
33
32
580
585
590
m=765,m FV0=0

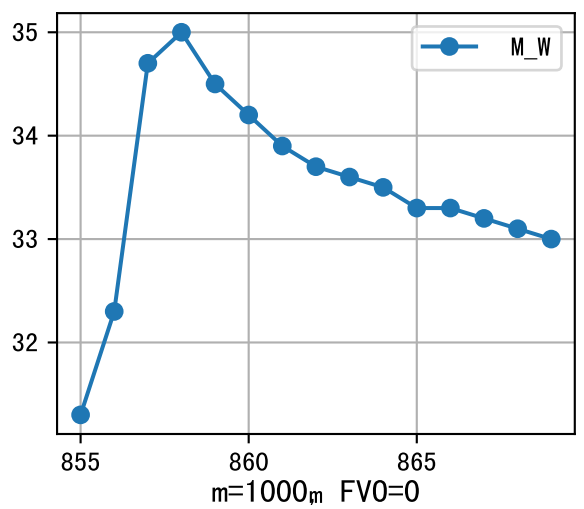

m=620,m FV0=0
M_W
35
34
33
32
620
625
630
m=815,m FV0=0

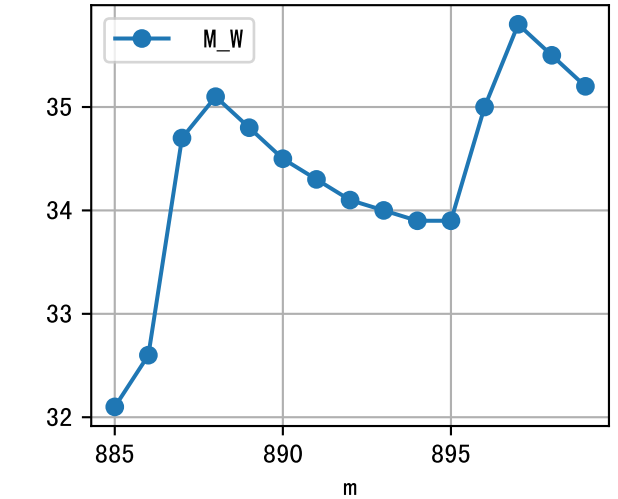

m=665,m FV0=0
M_W
34.5
34.0
33.5
33.0
32.5
32.0
665
670
675
m=855,m FV0=0


M_W
35.0
34.5
34.0
33.5
33.0
32.5
32.0
715
720
725
m=885,m FV0=0


M_W
34
33
32
765
770
775
m=920,m FV0=0


M_W
34.0
33.5
33.0
32.5
32.0
31.5
815
820
825
m=955,m FV0=0


M_W
35
34
33
32
855
860
865
m=1000m FV0=0


M_W
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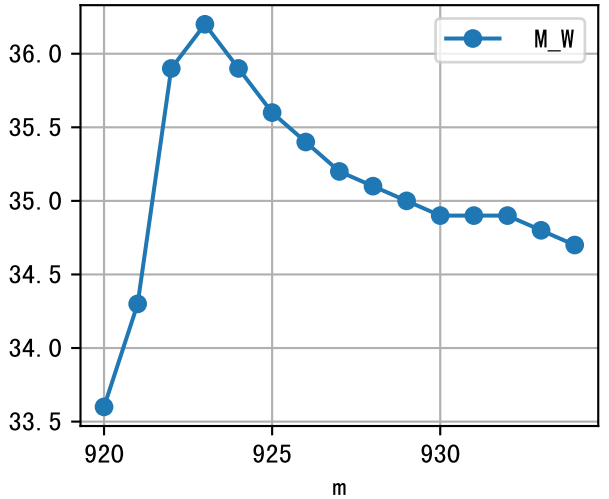
34
33
32
885
890
895
m


M_W
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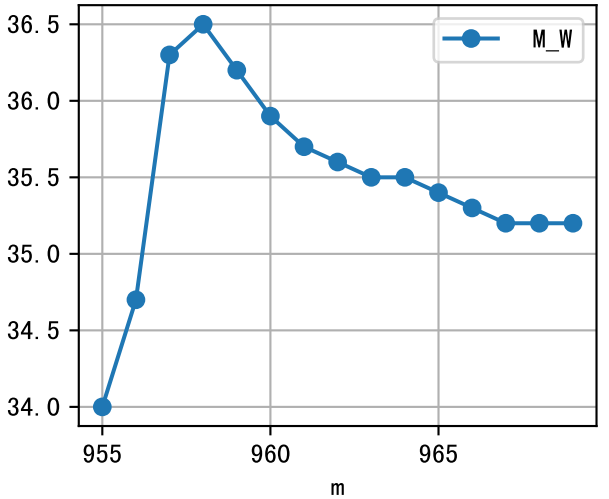
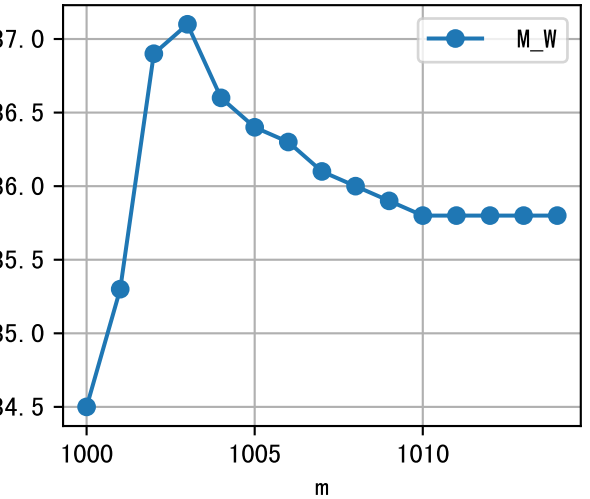
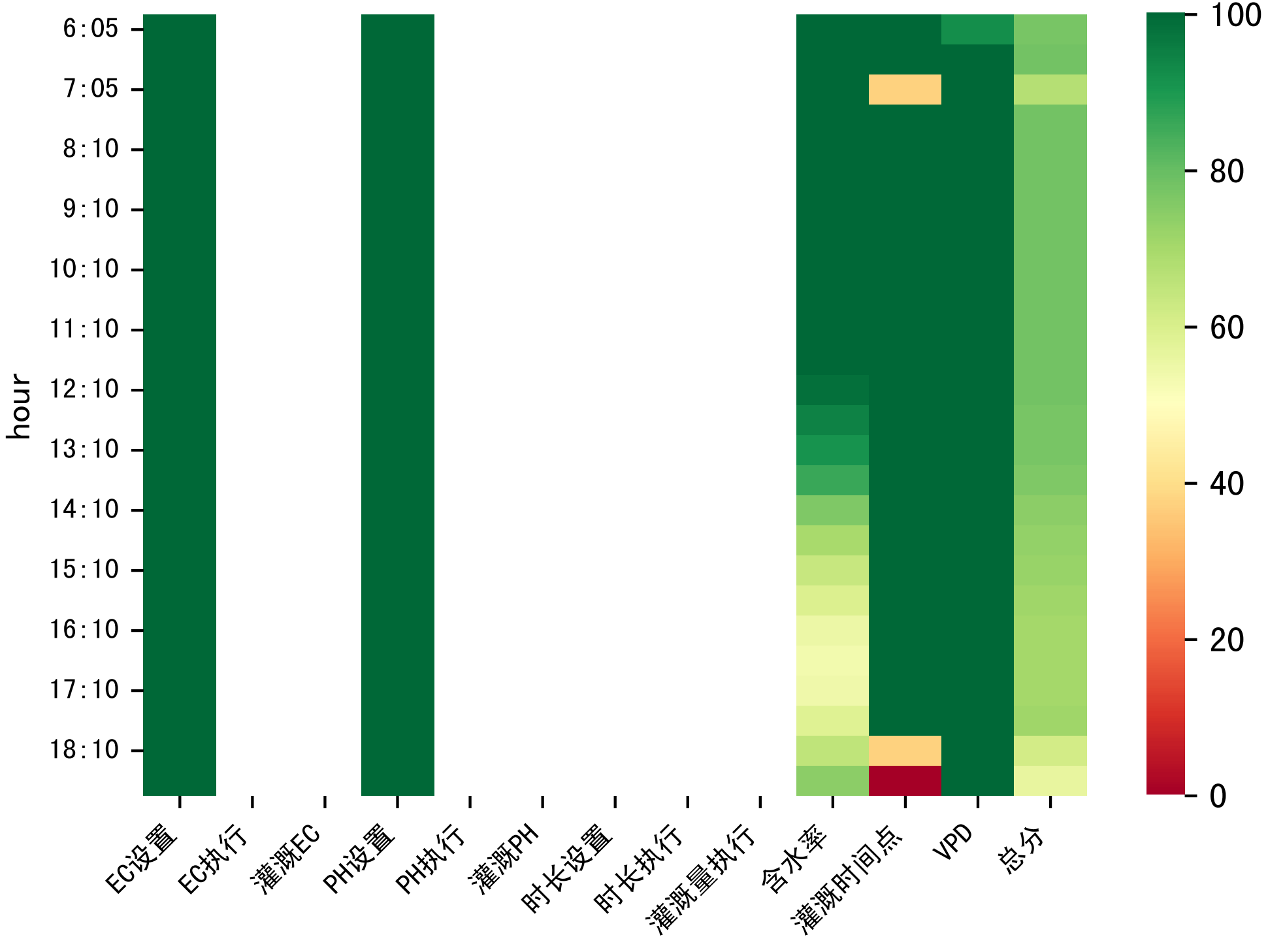
34.0
33.5
920
925
930
m


M_W
36.5
36.0
35.5
35.0
34.5
34.0
955
960
965
m


M_W
37.0
36.5
36.0
35.5
35.0
34.5
1000
1005
1010
m

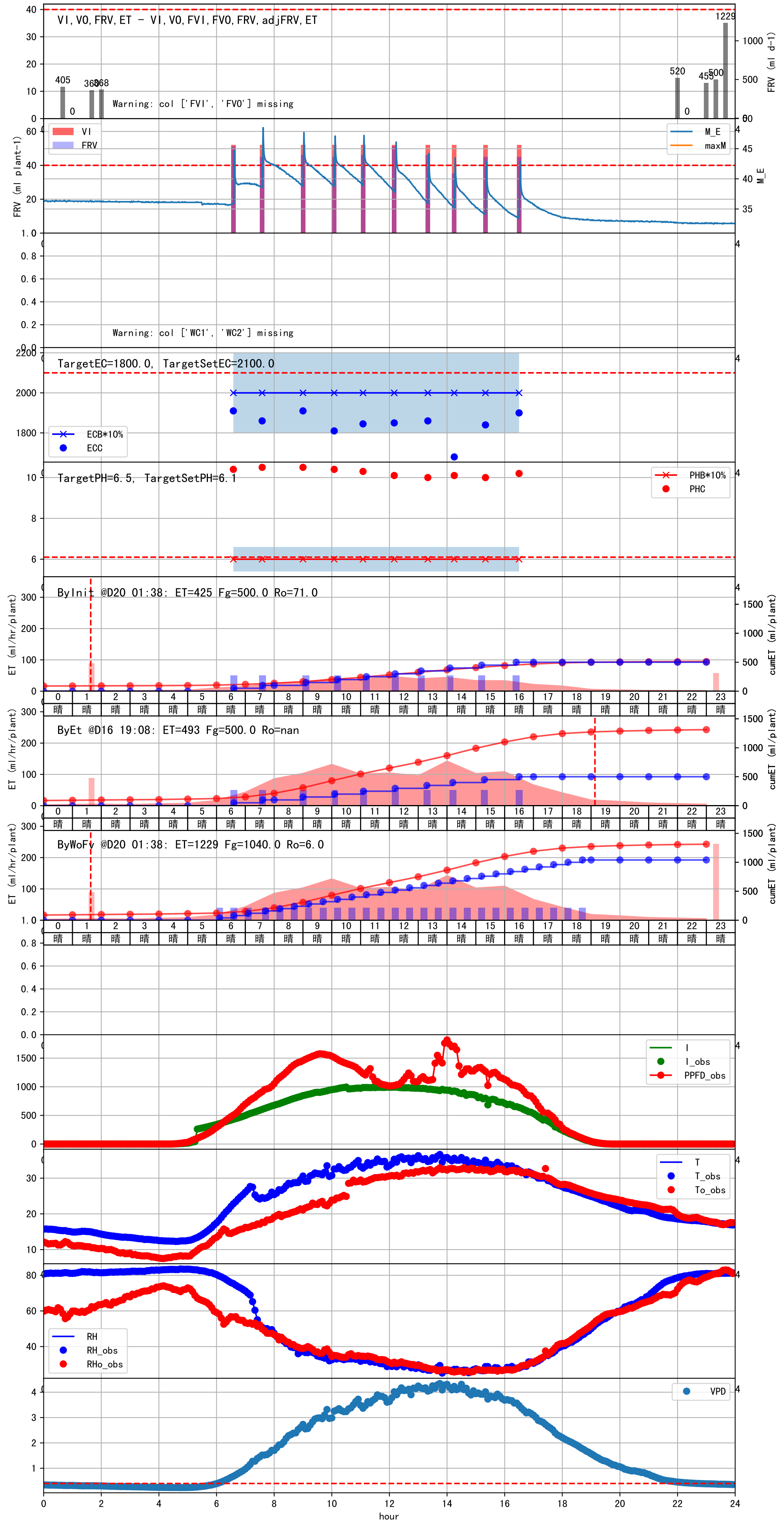

hour
6:05
7:05
8:10
9:10
10:10
11:10
12:10
13:10
14:10
15:10
16:10
17:10
18:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

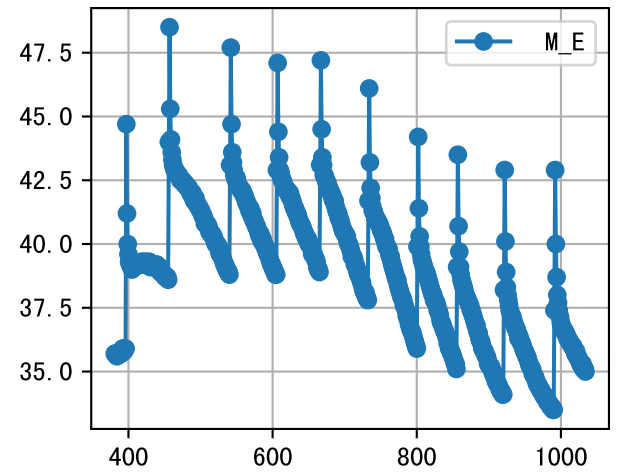
G3-2

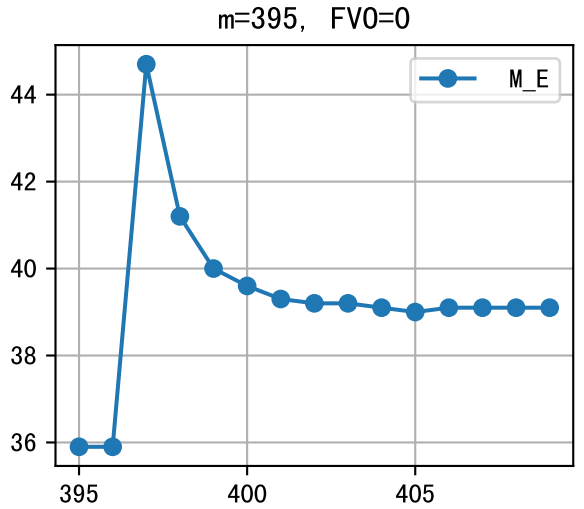
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
06:05	74	40.0	8.64	晴	假设@06:05 自动（未用传感器）
06:35	74	40.0	8.64	晴	假设@06:35 自动（未用传感器）
07:05	74	40.0	8.64	晴	假设@07:05 自动（未用传感器）
07:40	74	40.0	8.64	晴	假设@07:40 自动（未用传感器）
08:10	74	40.0	8.64	晴	假设@08:10 自动（未用传感器）
08:40	74	40.0	8.64	晴	假设@08:40 自动（未用传感器）
09:10	74	40.0	8.64	晴	假设@09:10 自动（未用传感器）
09:40	74	40.0	8.64	晴	假设@09:40 自动（未用传感器）
10:10	74	40.0	8.64	晴	假设@10:10 自动（未用传感器）
10:40	74	40.0	8.64	晴	假设@10:40 自动（未用传感器）
11:10	74	40.0	8.64	晴	假设@11:10 自动（未用传感器）
11:40	74	40.0	8.64	晴	假设@11:40 自动（未用传感器）
12:10	74	40.0	8.64	晴	假设@12:10 自动（未用传感器）
12:40	74	40.0	8.64	晴	假设@12:40 自动（未用传感器）
13:10	74	40.0	8.64	晴	假设@13:10 自动（未用传感器）
13:40	74	40.0	8.64	晴	假设@13:40 自动（未用传感器）
14:10	74	40.0	8.64	晴	假设@14:10 自动（未用传感器）
14:40	74	40.0	8.64	晴	假设@14:40 自动（未用传感器）
15:10	74	40.0	8.64	晴	假设@15:10 自动（未用传感器）
15:40	74	40.0	8.64	晴	假设@15:40 自动（未用传感器）
16:10	74	40.0	8.64	晴	假设@16:10 自动（未用传感器）
16:40	74	40.0	8.64	晴	假设@16:40 自动（未用传感器）
17:10	74	40.0	8.64	晴	假设@17:10 自动（未用传感器）
17:40	74	40.0	8.64	晴	假设@17:40 自动（未用传感器）
18:10	74	40.0	8.64	晴	假设@18:10 自动（未用传感器）
18:40	74	40.0	8.64	晴	假设@18:40 自动（未用传感器）
总计	1924.0 (26次)	1040.0			建议进液EC：2100.0， PH：6.1

上次灌溉时长未按模型建议(74 vs 59.0))
默认实际灌溉50.0 ml.
昨天灌溉PH（10.34）与设定PH（6.0）偏差较大，请检查
昨天灌溉PH（10.34）与手测PH（6.5）偏差较大，请检查
昨天进回液EC数据缺失.
回液EC 4025.0 太高，建议用低EC肥液冲洗基质
进回液EC差(1955.0 vs 4025.0)过高
昨天灌溉进排液EC/PH值缺失，可能影响模型决策
上次灌溉PH (10.2) 与设定值（6.0）偏差较大，请检查。
上次灌溉PH (10.2) 与模型建议（6.1）偏差较大，请检查。

G3-2_0, Day=16 (2025-05-28)




M_E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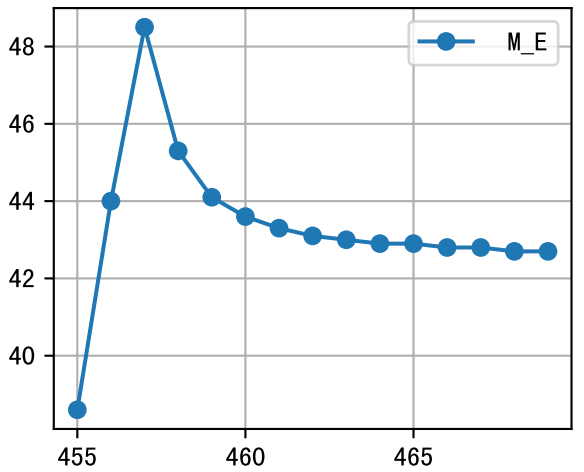
M_E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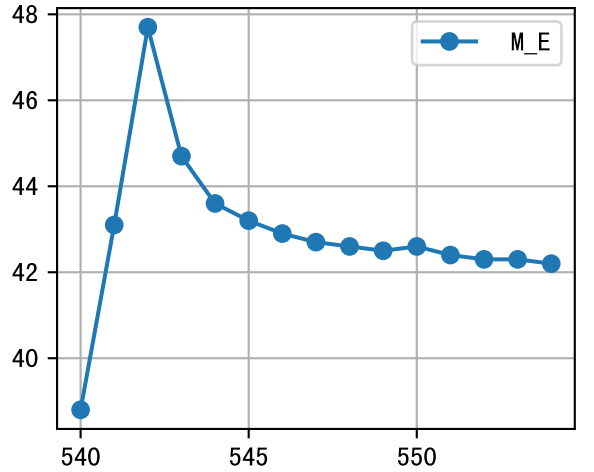
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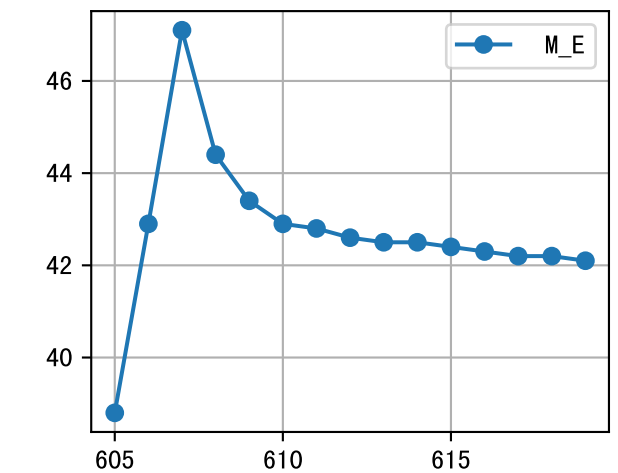
M_E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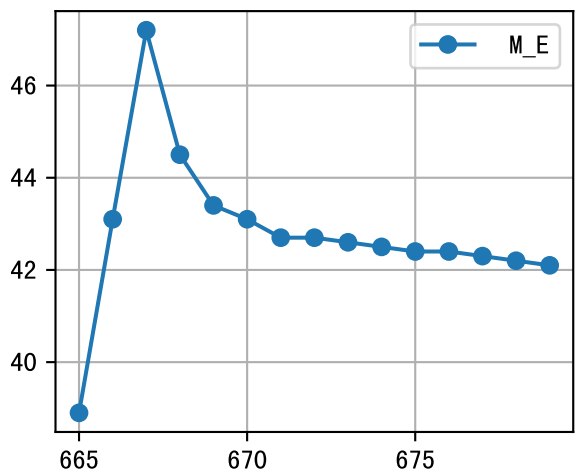
M_E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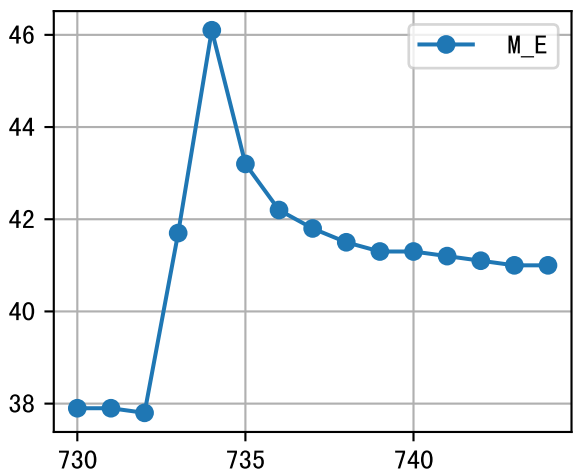
M_E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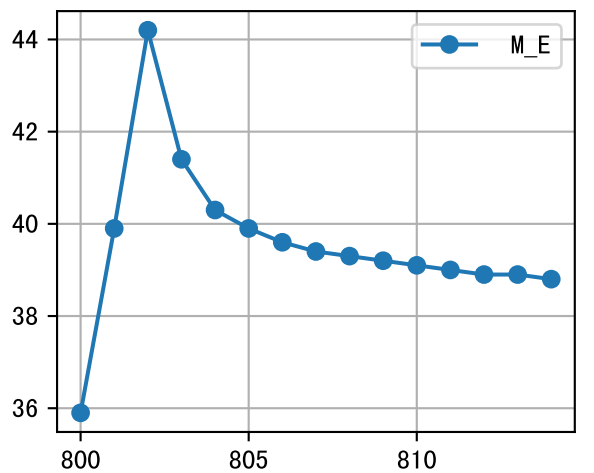
M_E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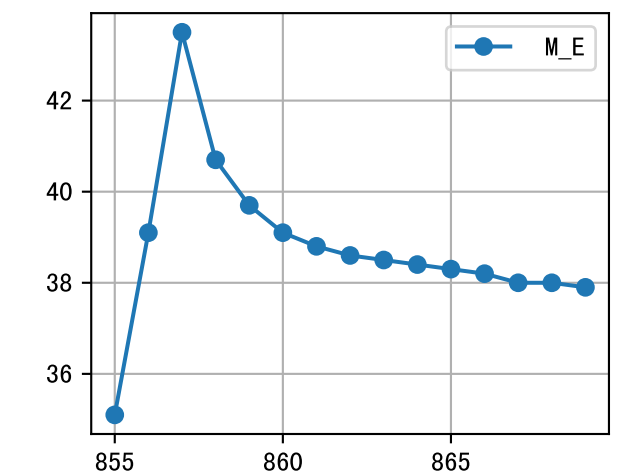
M_E
m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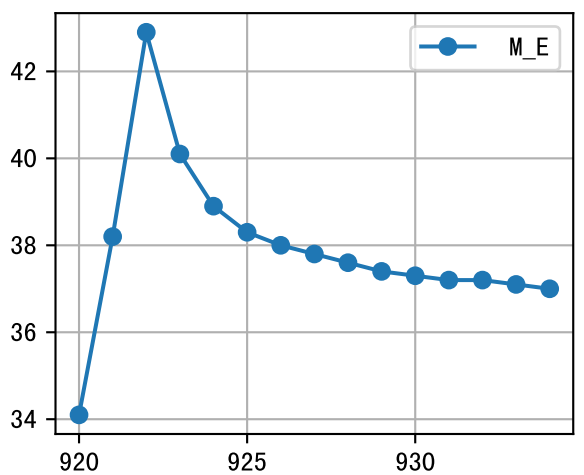
M_E
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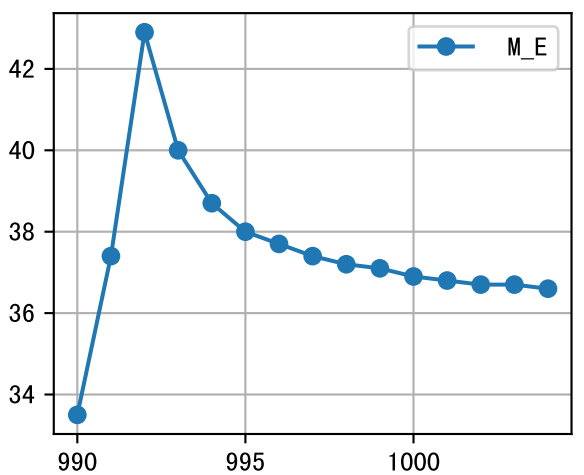
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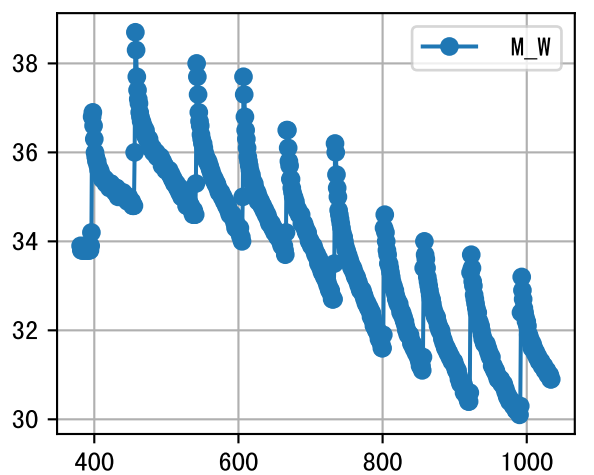
M_W
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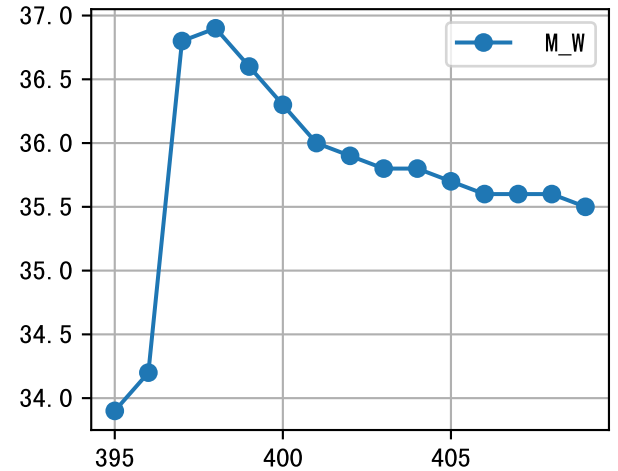
m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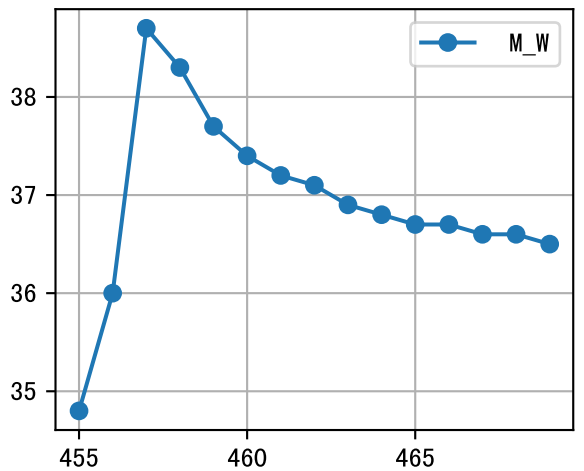
m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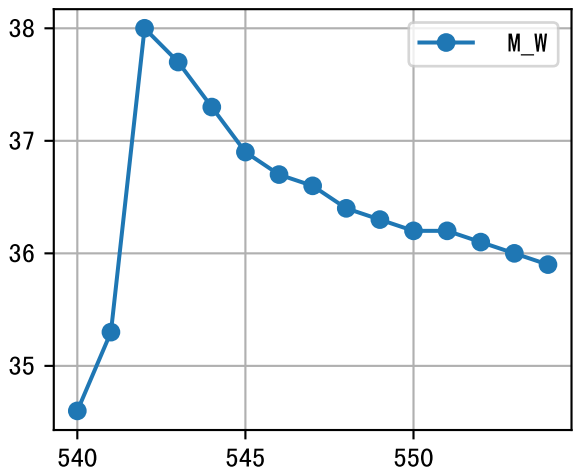
m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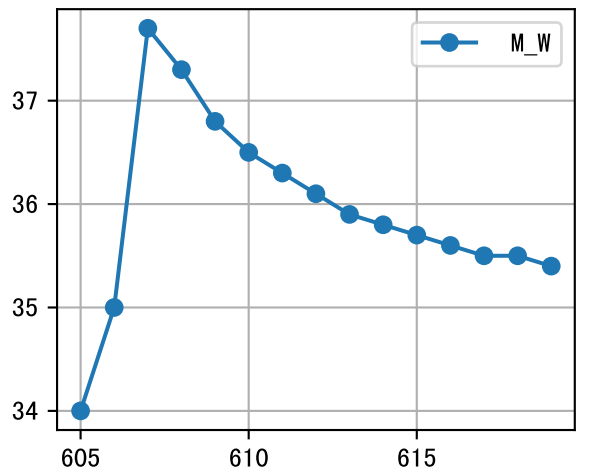
m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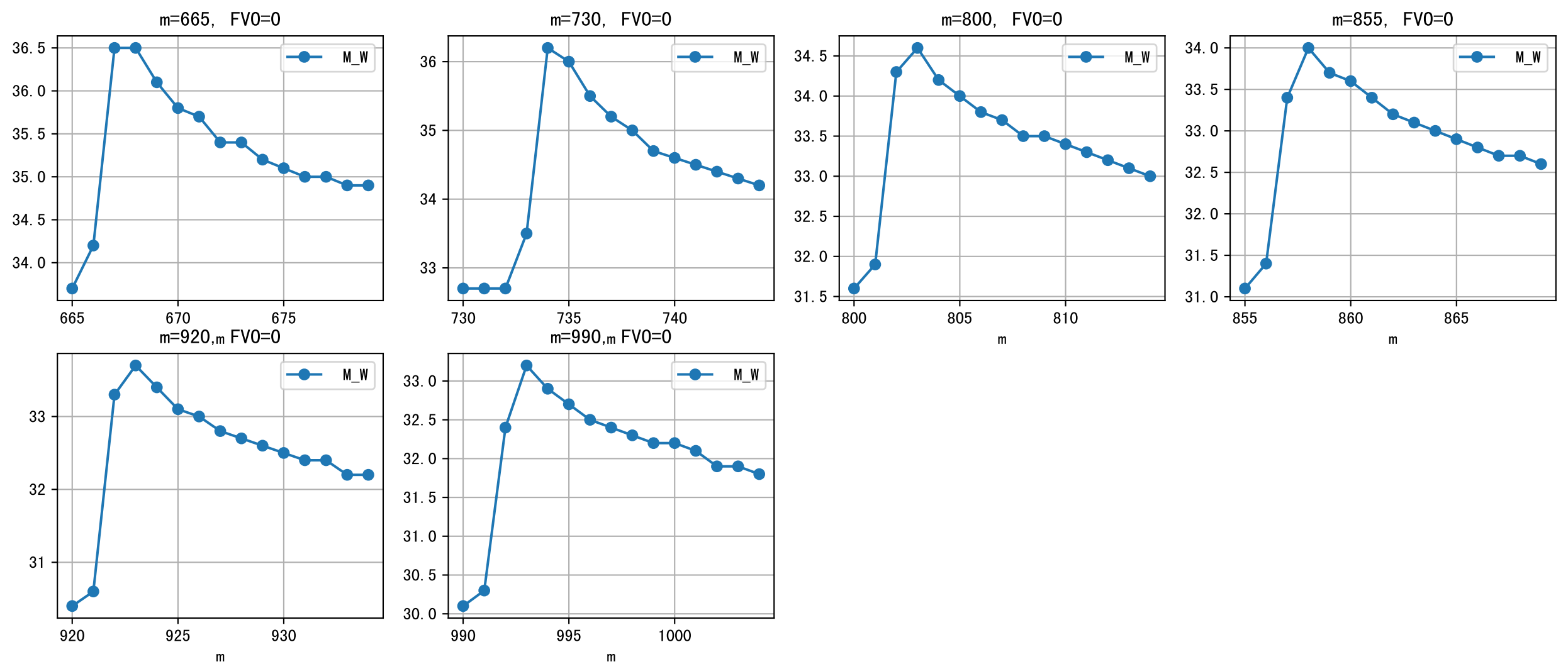
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m=800, FV0=0
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m=920,m FV0=0
m=990,m FV0=0
M_W
m