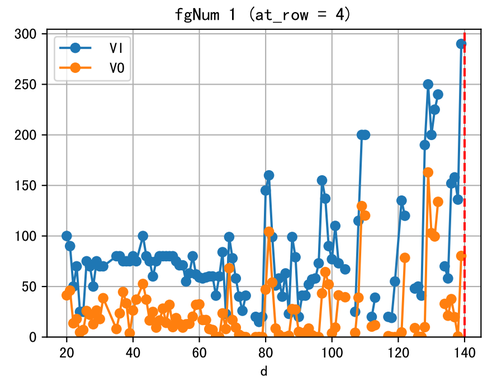
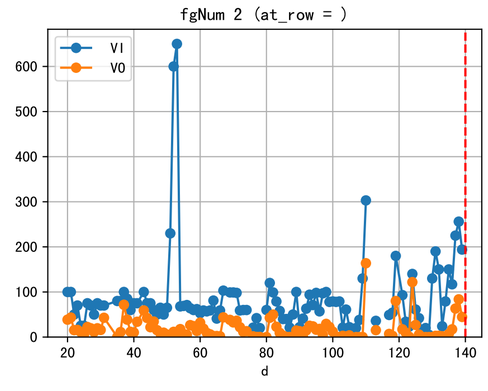
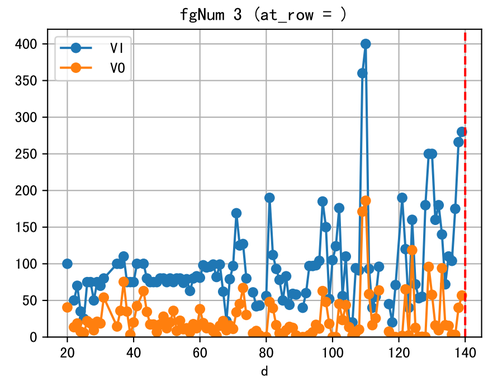
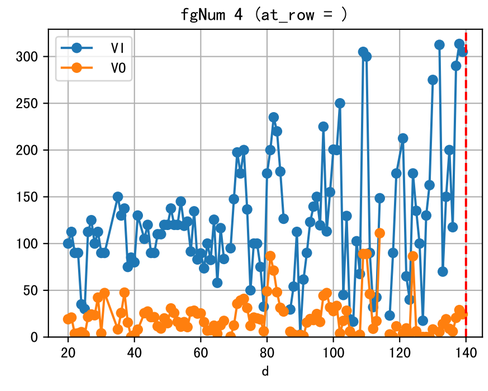
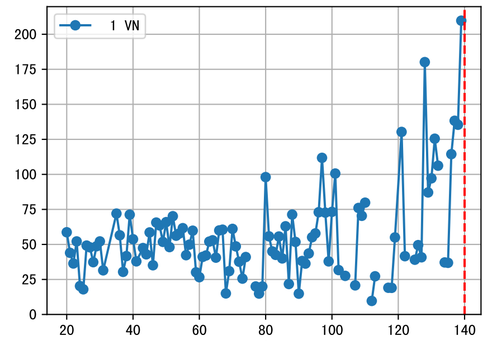
FgArea: ['1']
NJ15 L1
2026-02-23 (Day 140)

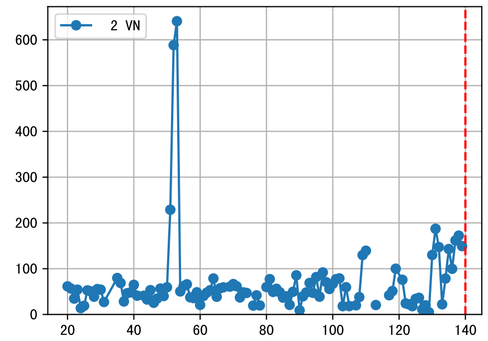

fgNum 1 (at_row = 4)
VI
VO
d

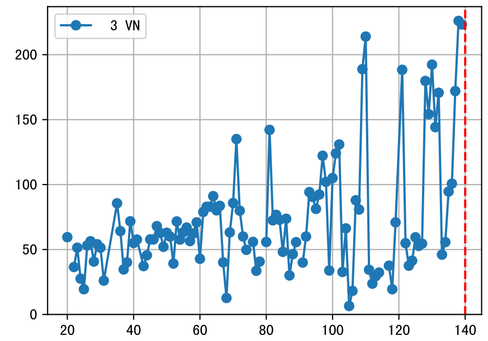

fgNum 2 (at_row =)
VI
VO
d

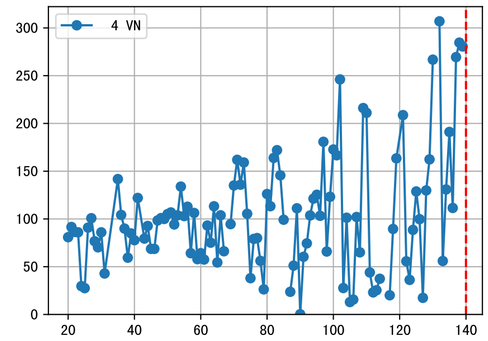

fgNum 3 (at_row =)
VI
VO
d

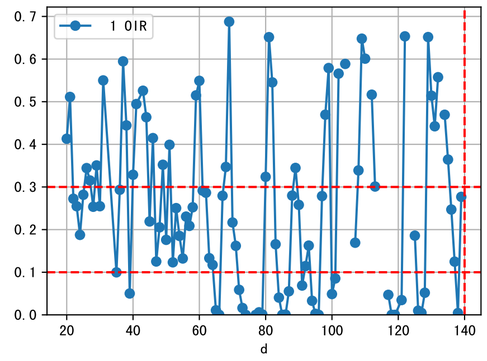

fgNum 4 (at_row =)
VI
VO
d

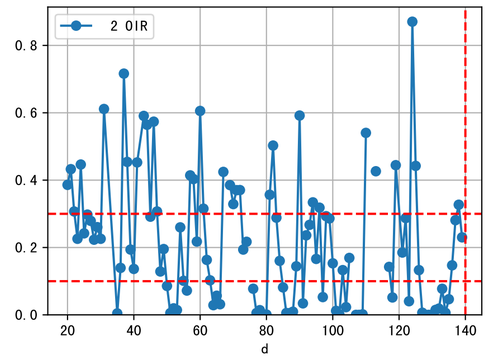

1 VN
d

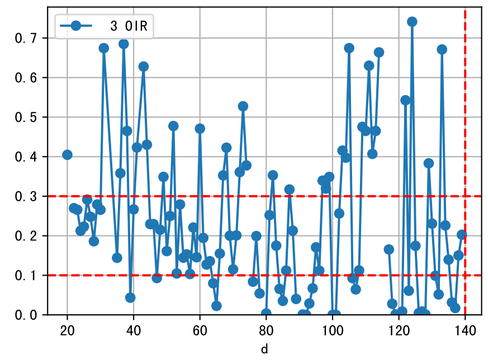

2 VN
d

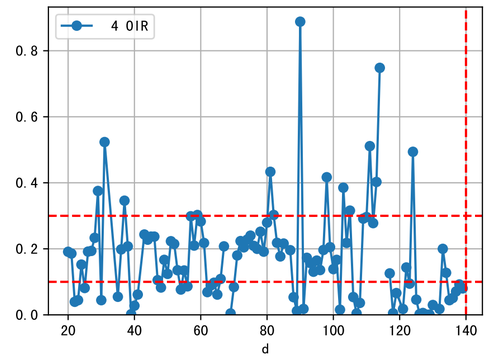

3 VN
d

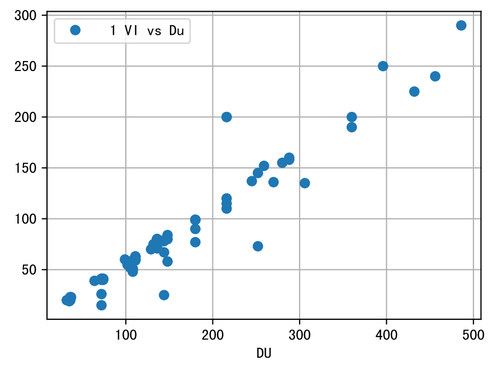

4 VN
d

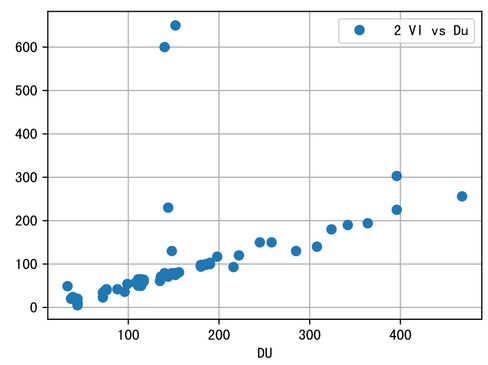

1 OIR
d

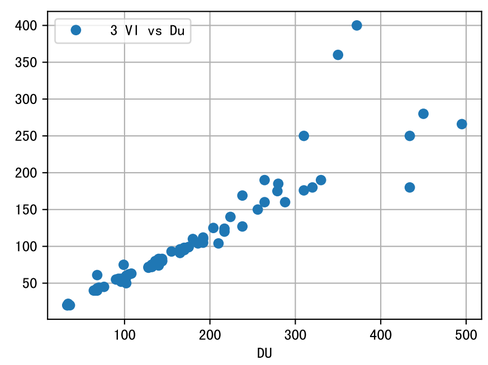

2 OIR
d

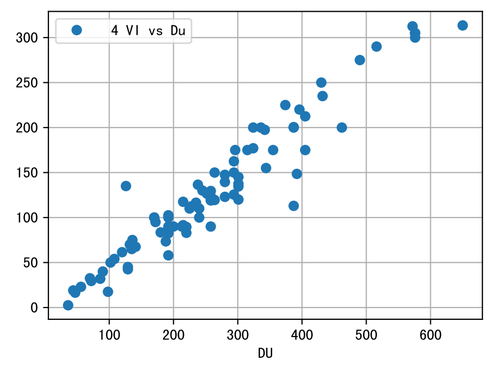

3 OIR
d

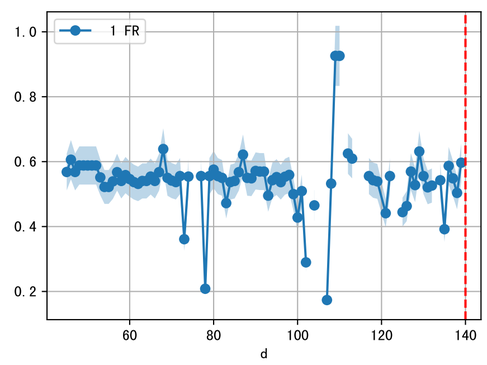

4 OIR
d

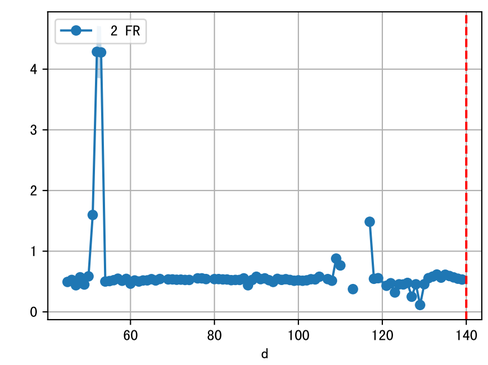

1 VI vs Du
DU

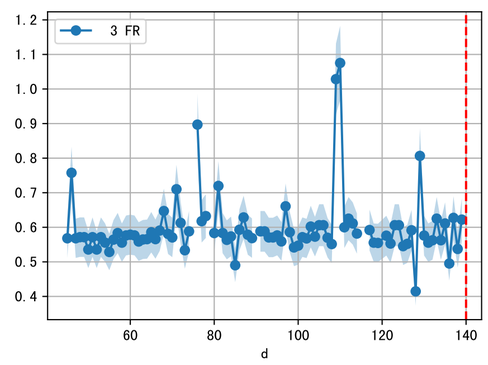

2 VI vs Du
DU

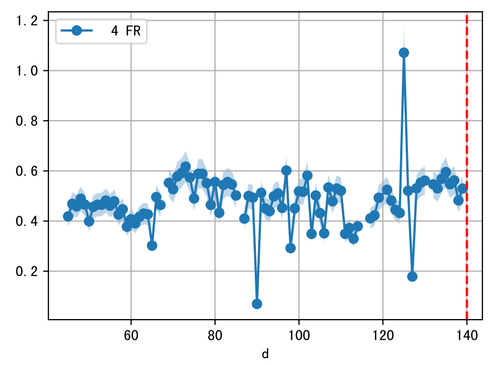

3 VI vs Du
DU

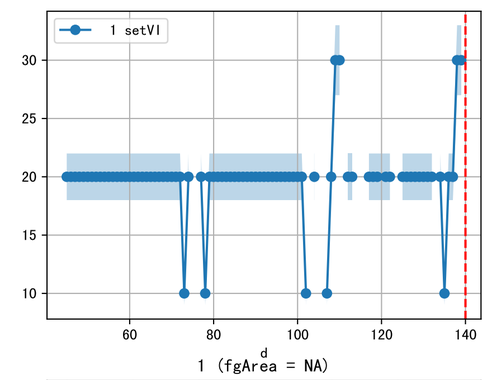

4 VI vs Du
DU

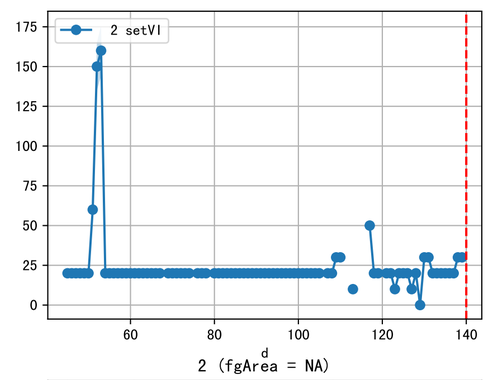

1 FR
d

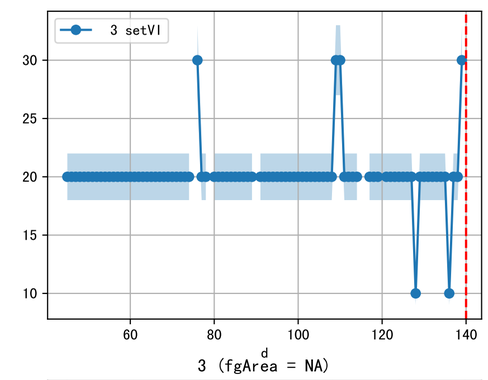

2 FR
d

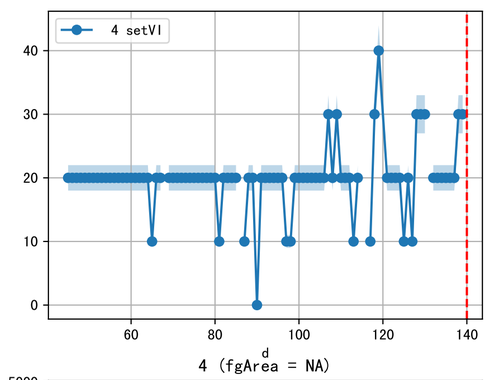

3 FR
d

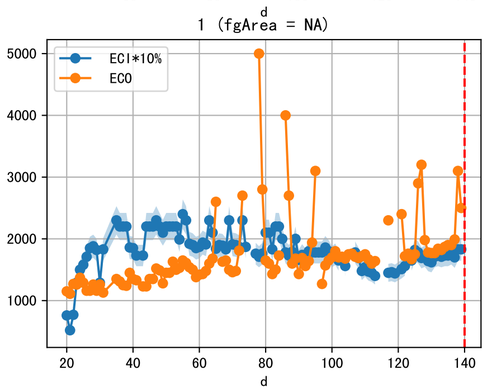

4 FR
d

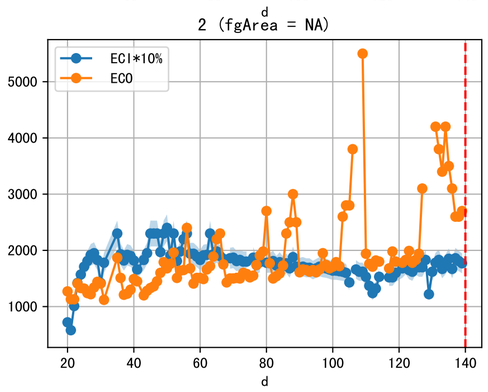

1 setVI
d

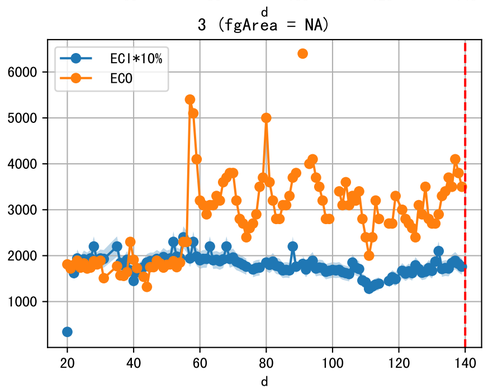

2 setVI
d

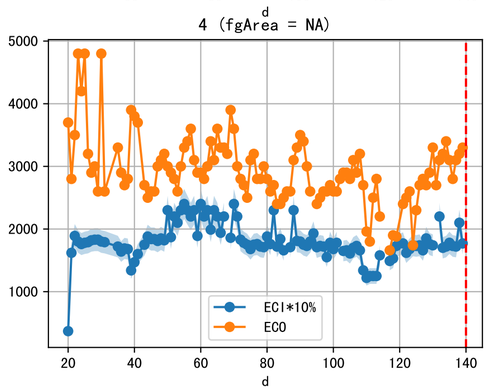

3 setVI
d

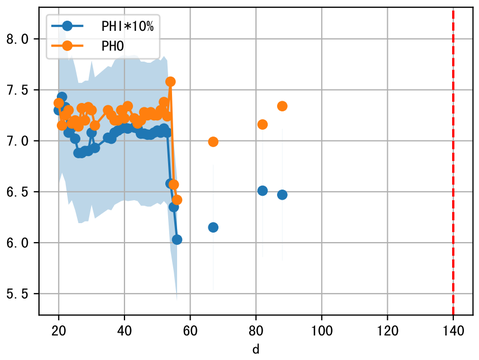

4 setVI
d

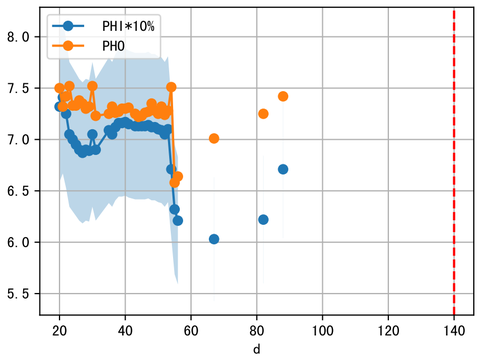

1 (fgArea = NA)
ECI*10%
ECO
d

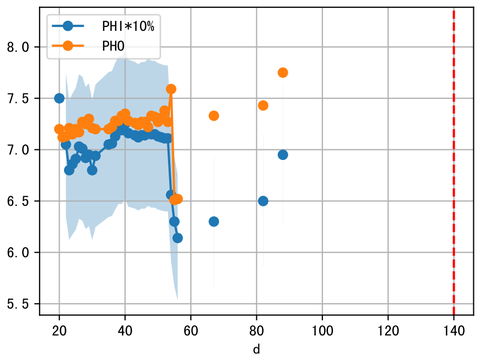

2 (fgArea = NA)
ECI*10%
ECO
d

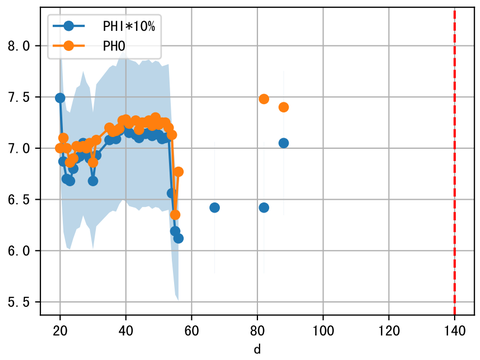

3 (fgArea = NA)
ECI*10%
ECO
d

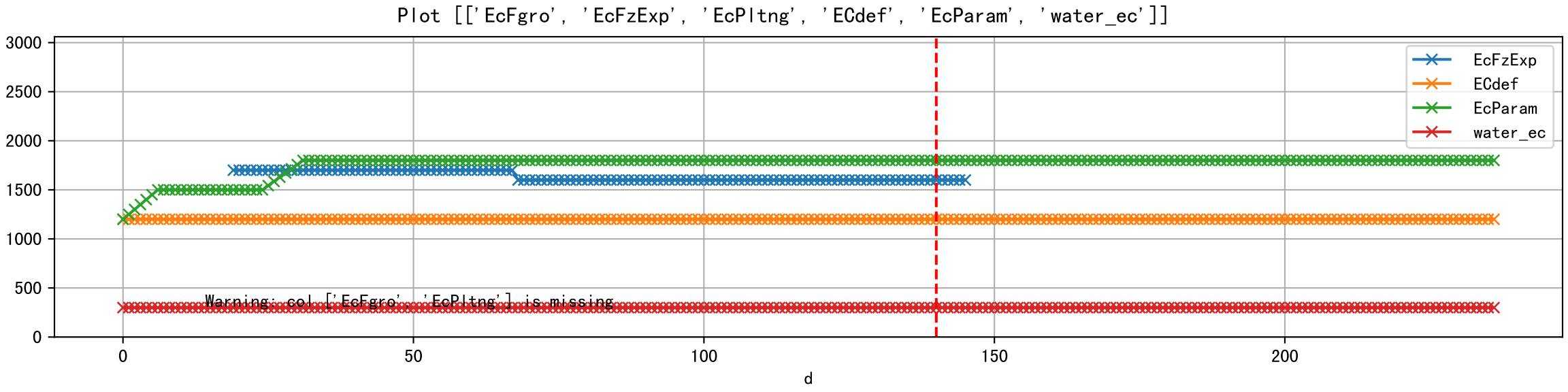

4 (fgArea = NA)
ECI*10%
ECO
d

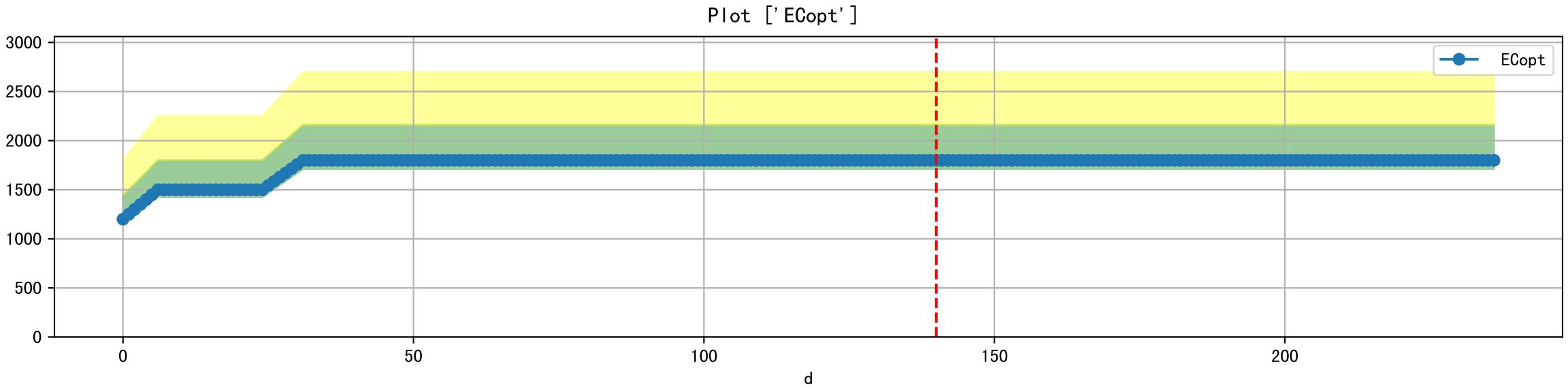

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

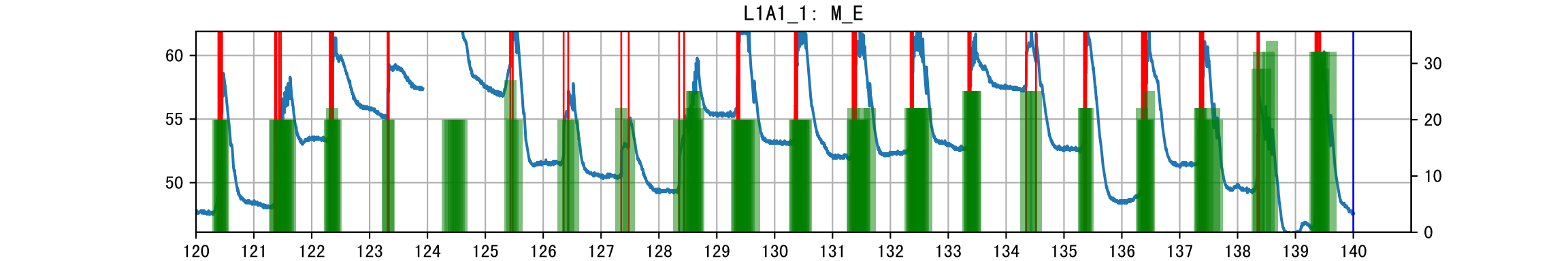

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d


PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

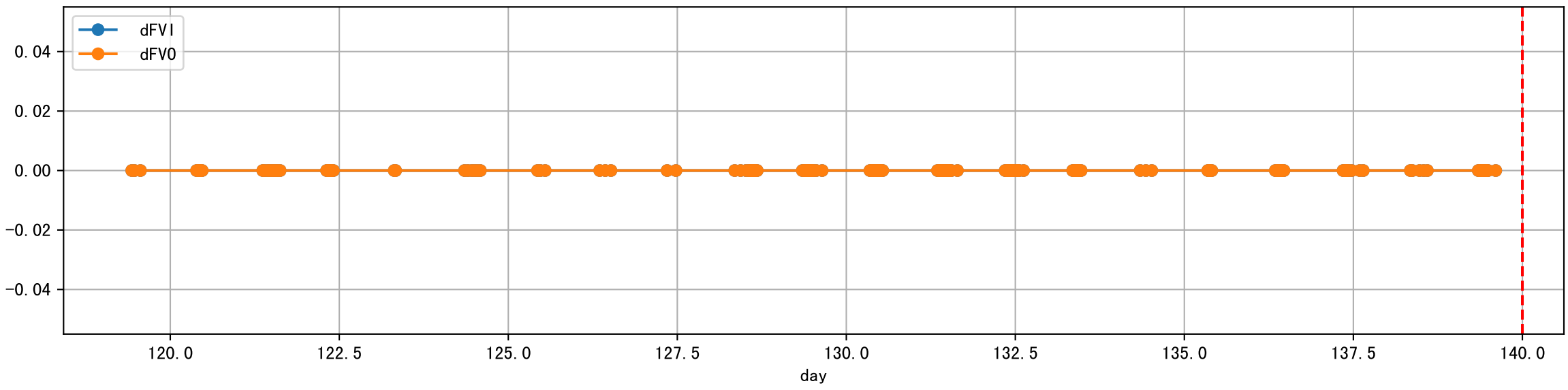

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
140
d

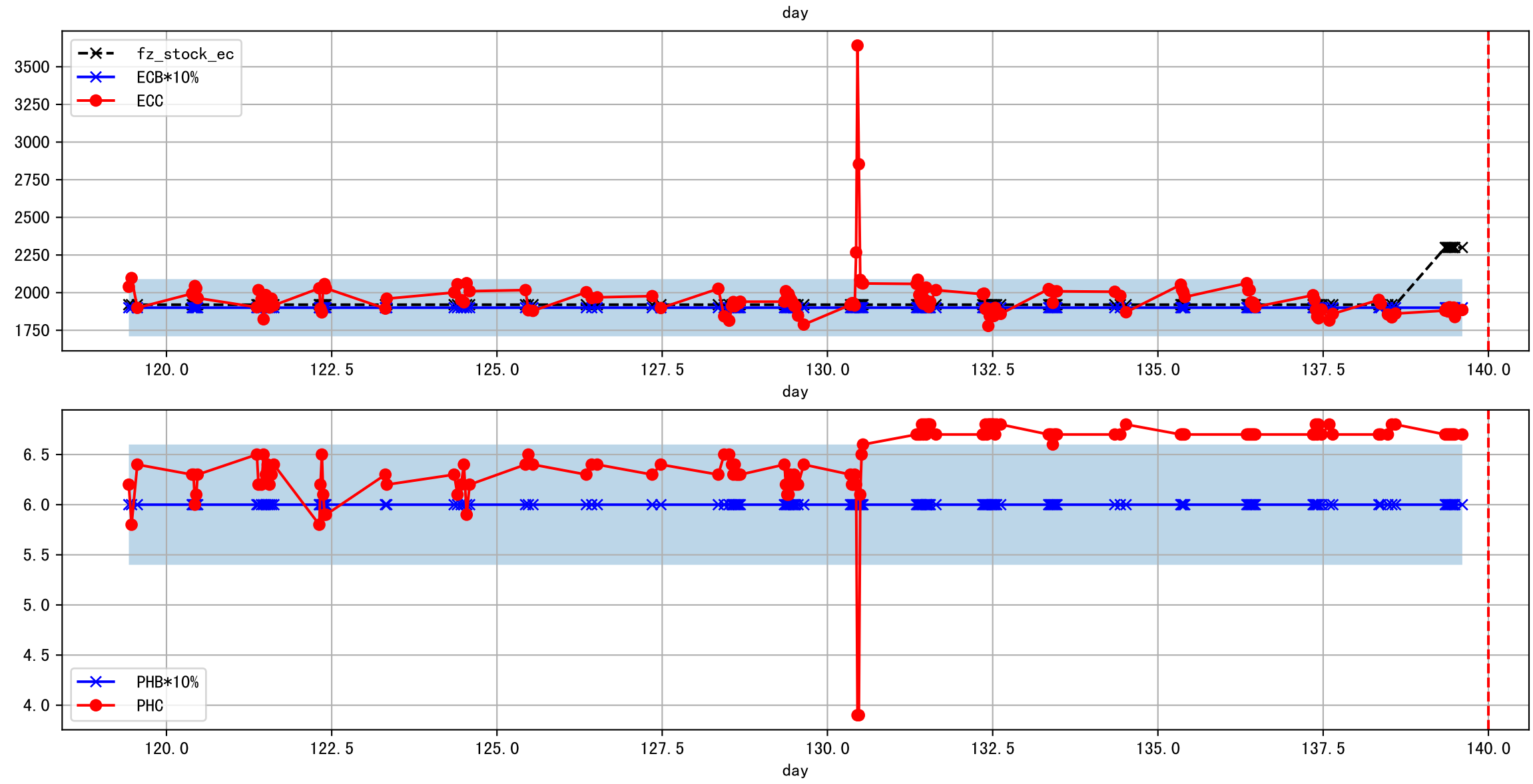

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

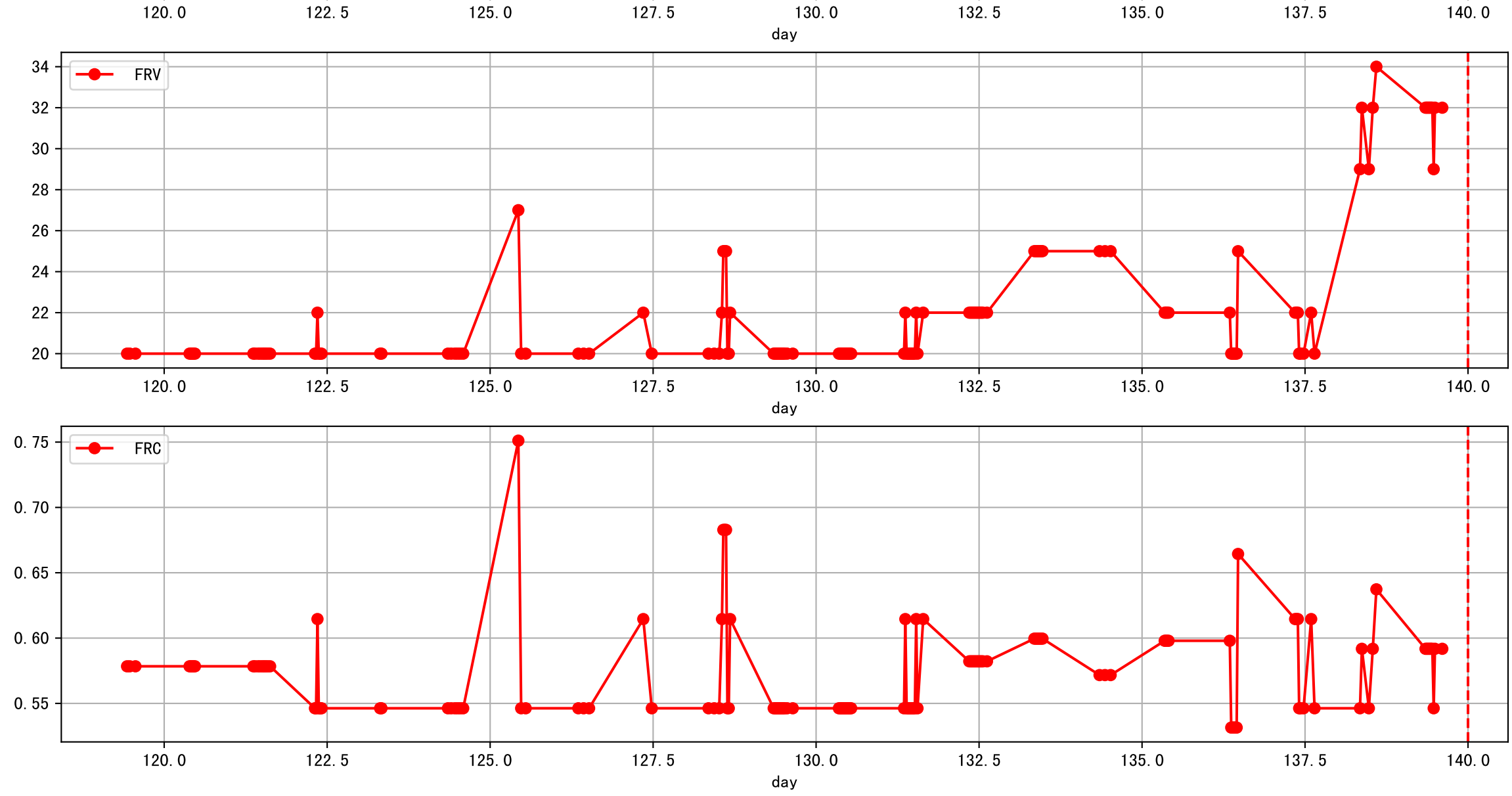

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

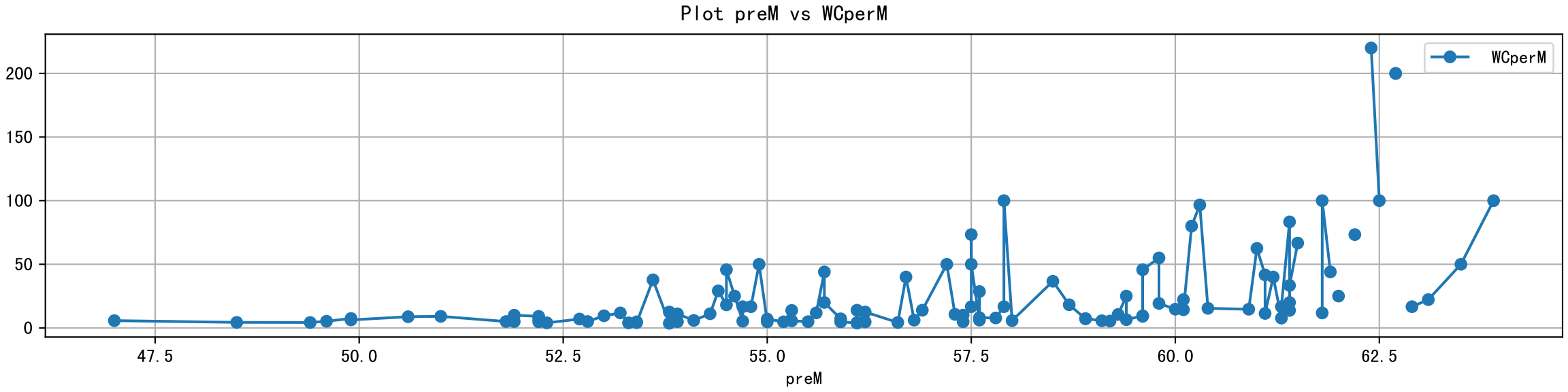

L1A1_1: M_E
60
55
50
30
20
10
0
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140

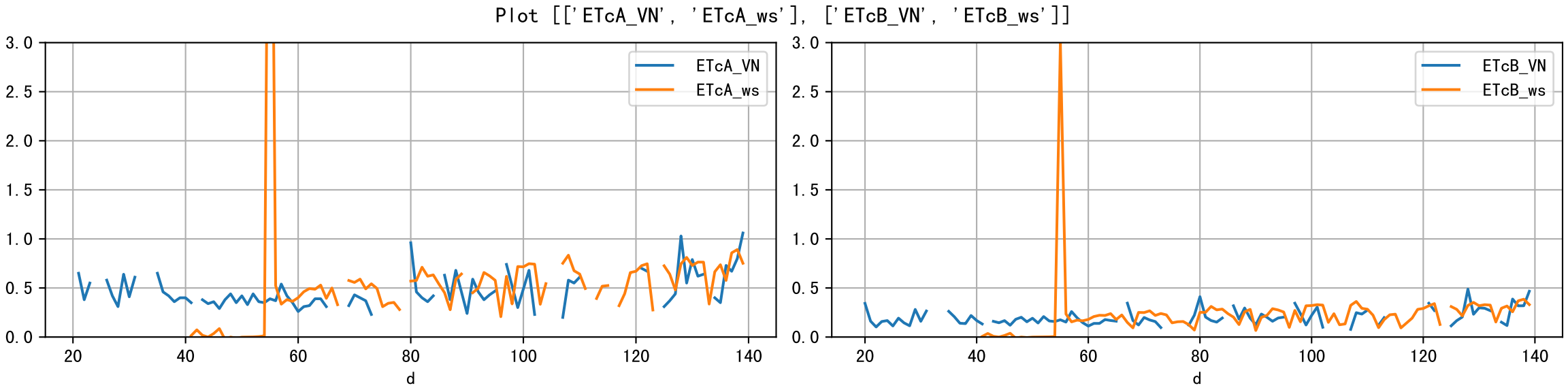
Plot Sensor and FgRec Data

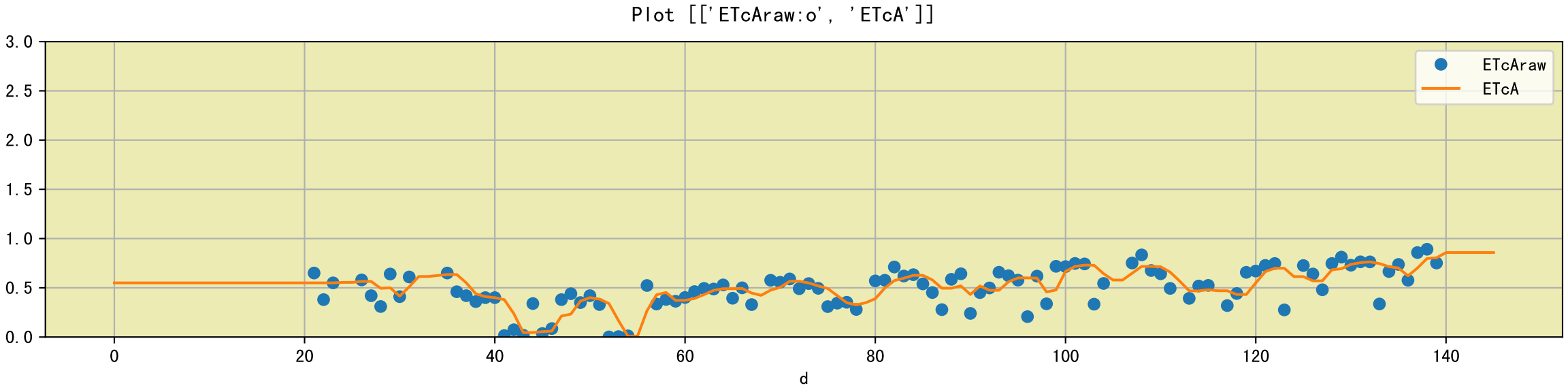


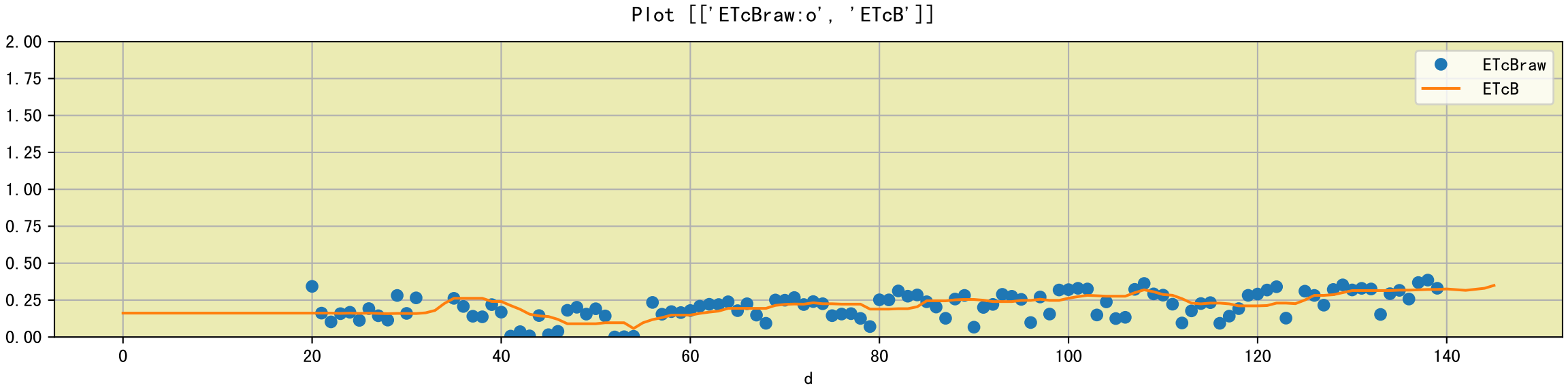




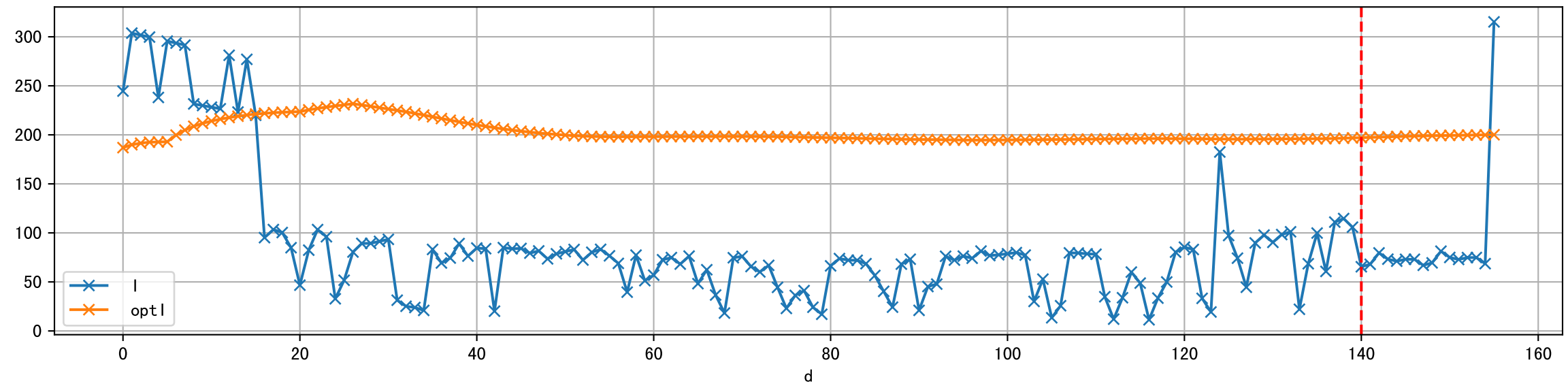

Plot preM vs WCperM
WCperM
200
150
100
50
0
47.5
50.0
52.5
55.0
57.5
60.0
62.5
preM

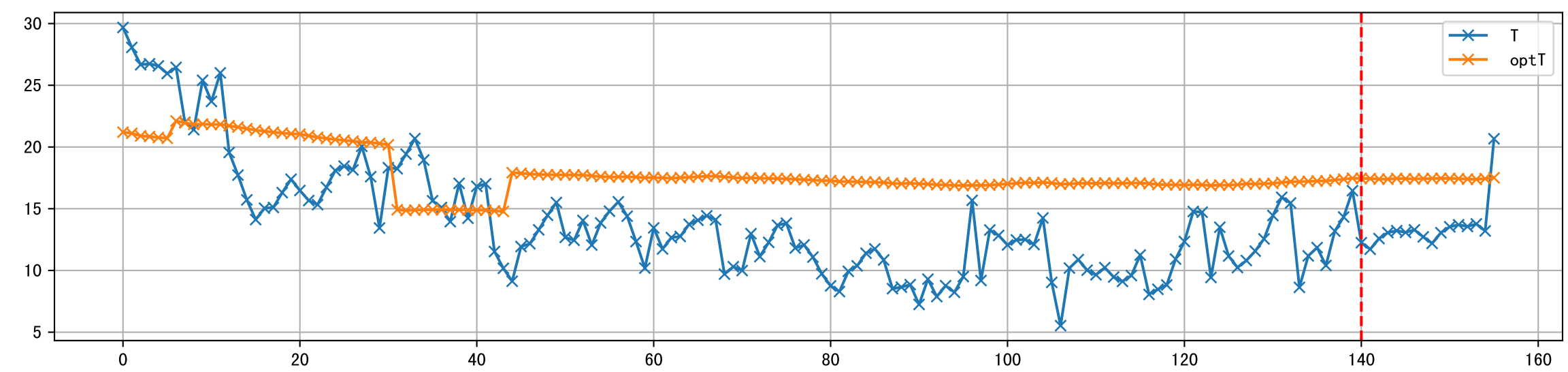

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
d

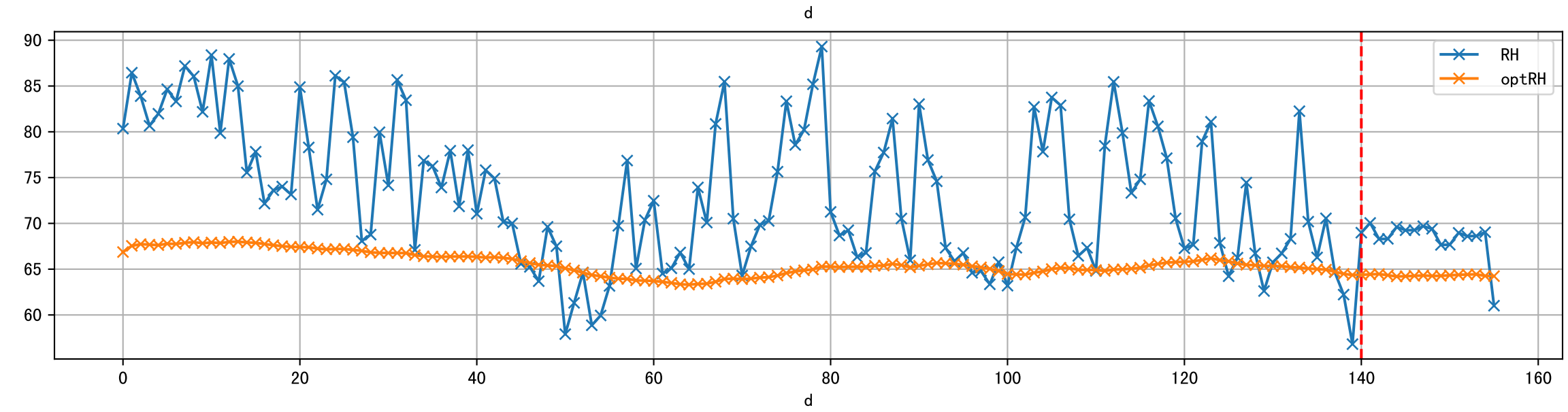

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

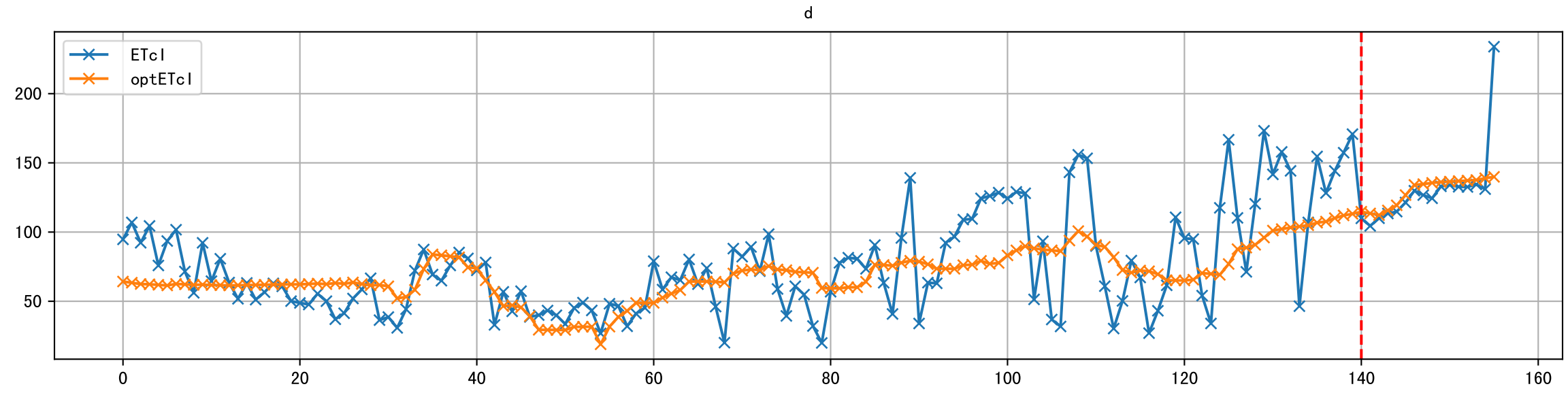

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

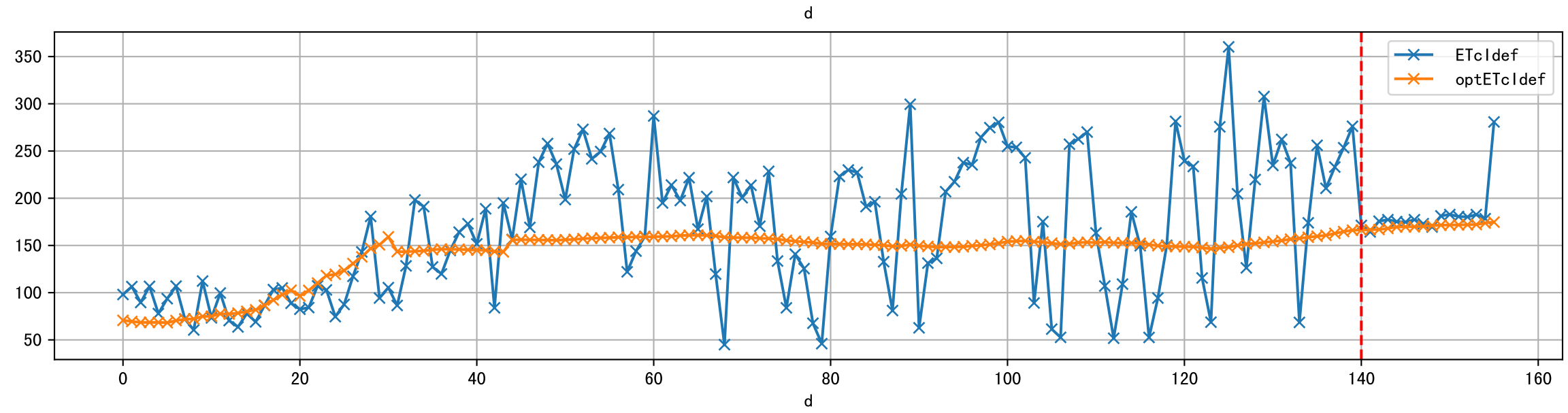
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcl', 'optETcl'], ['ETcldef', 'optETcldef'], ['ETol', 'optETol'], 'LAI', ['optEtRate', 'optEtRateDef', '

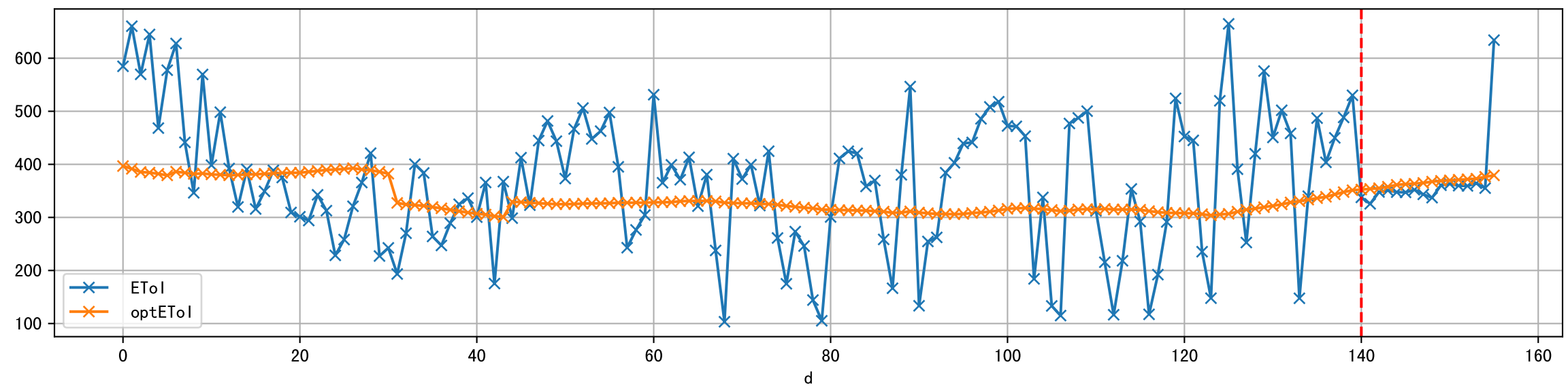


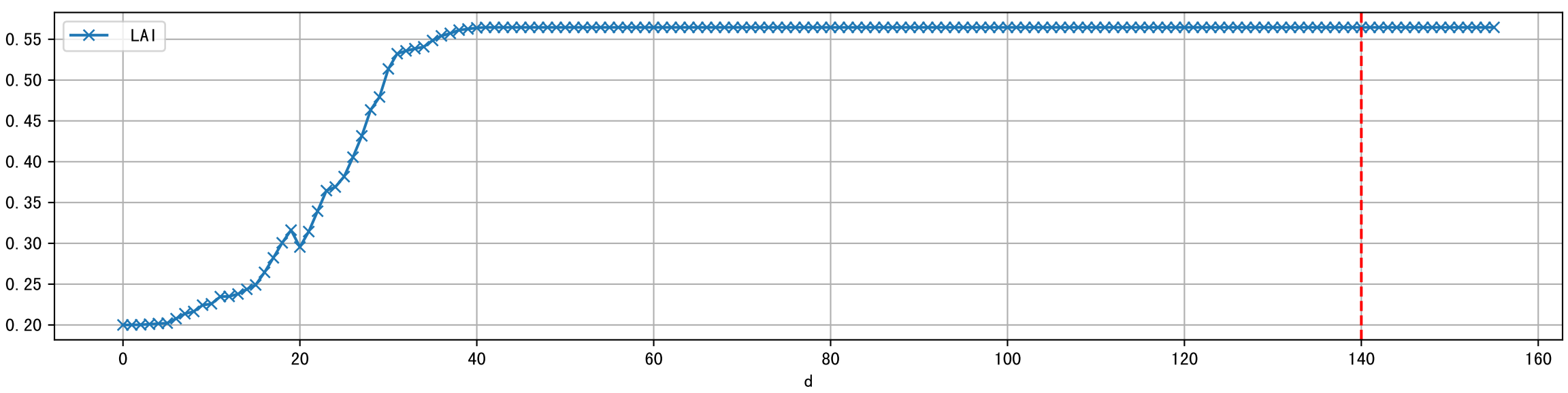


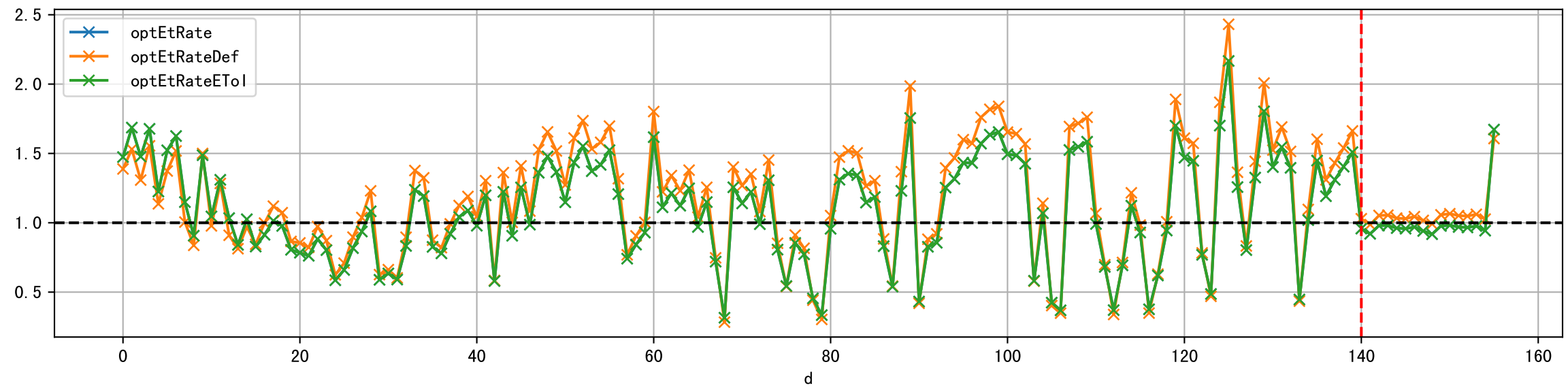


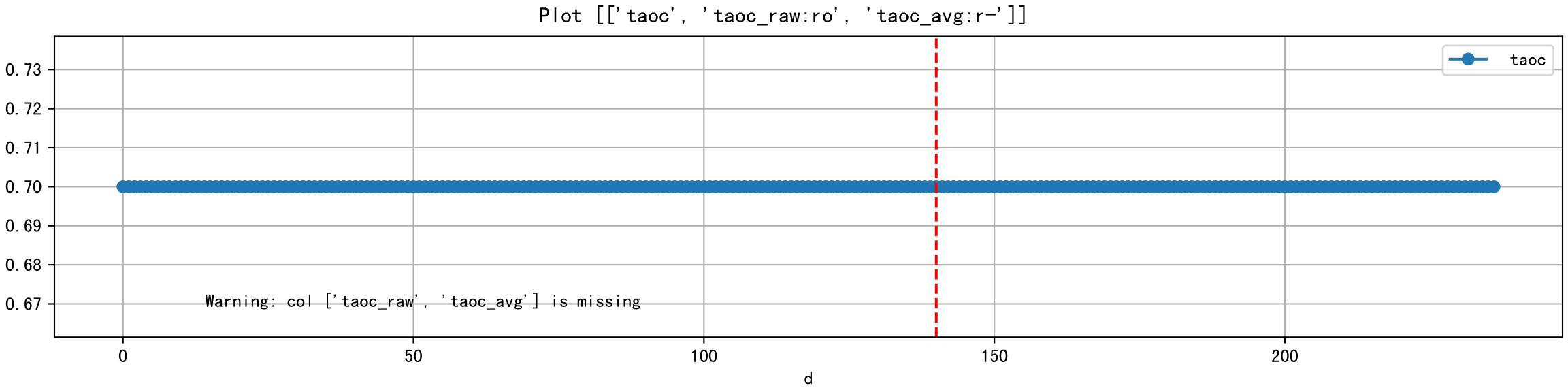


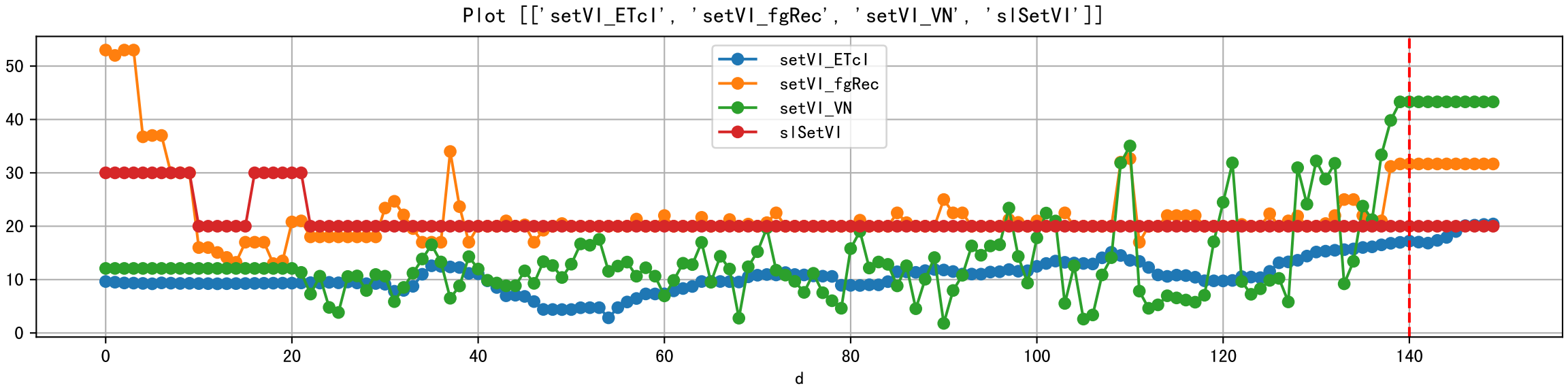


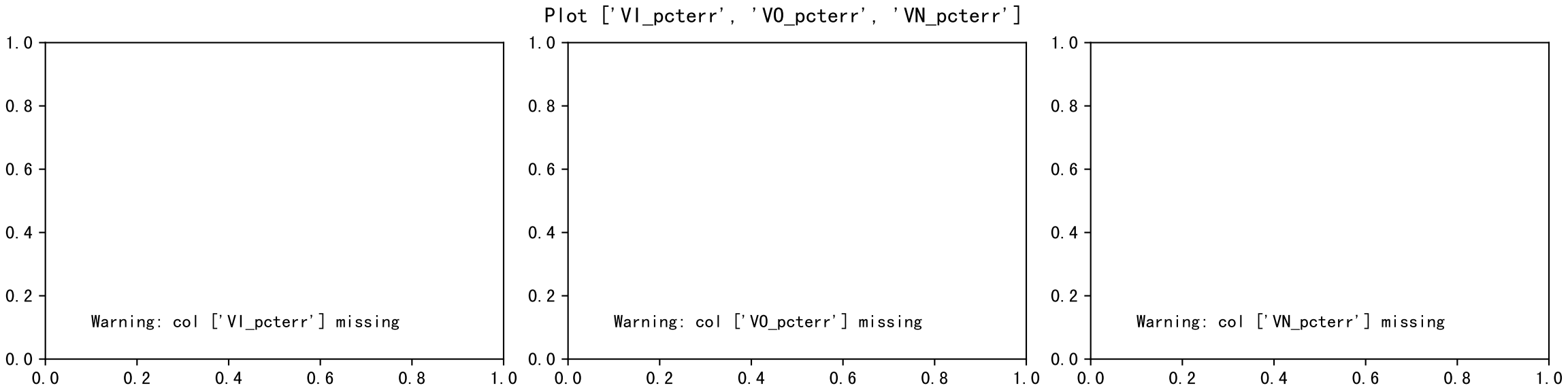


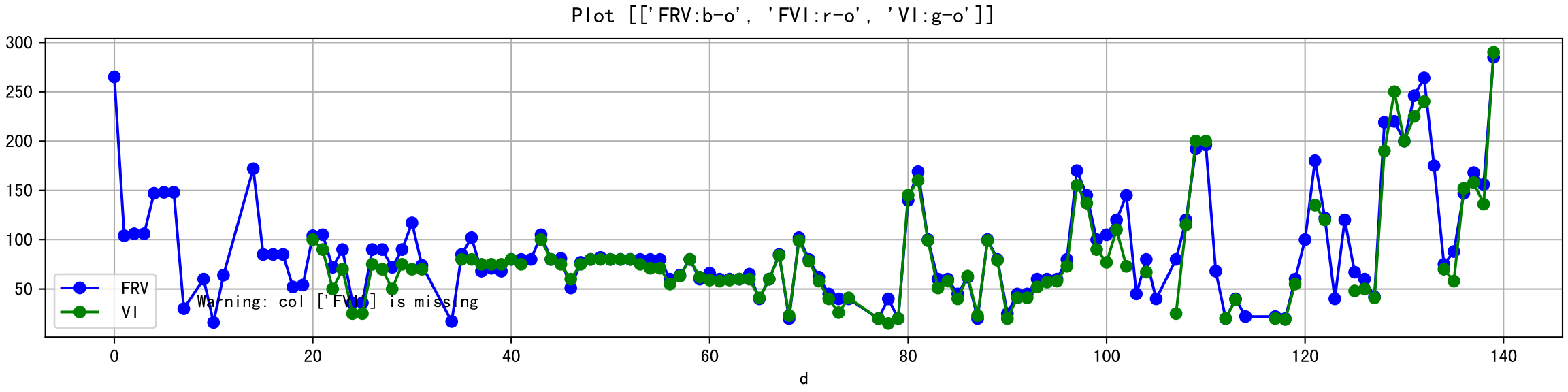


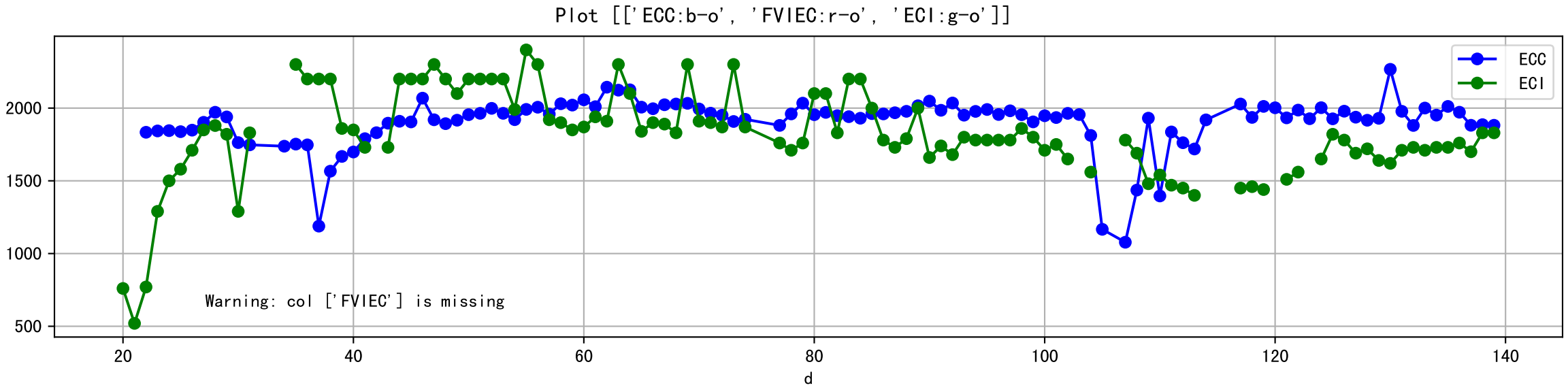


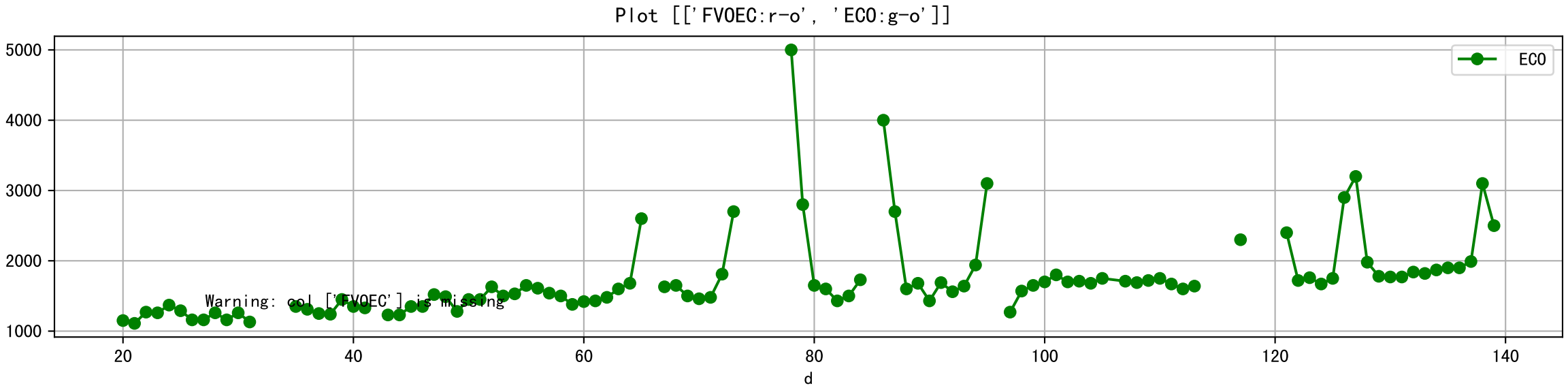

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

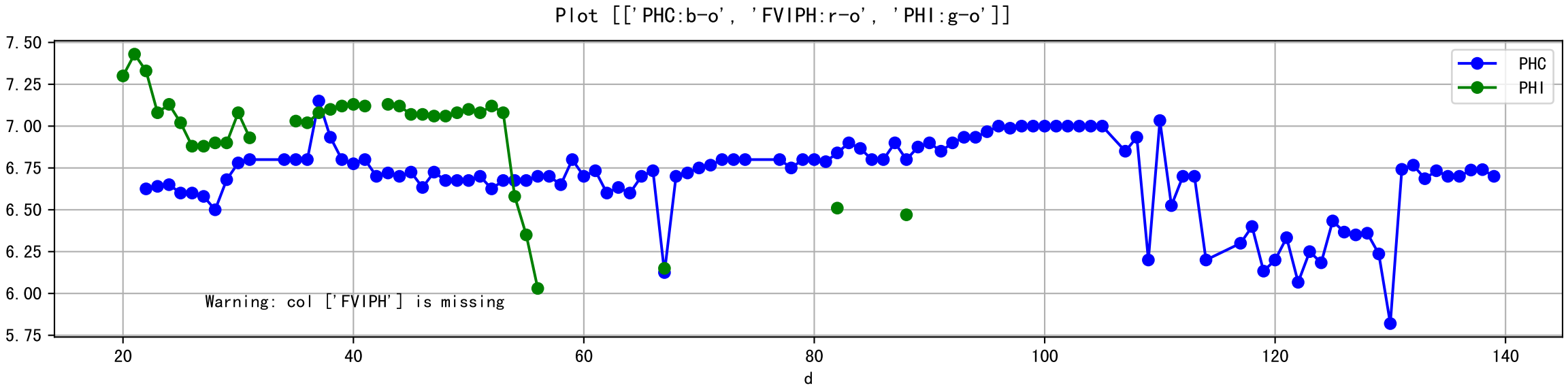

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
d

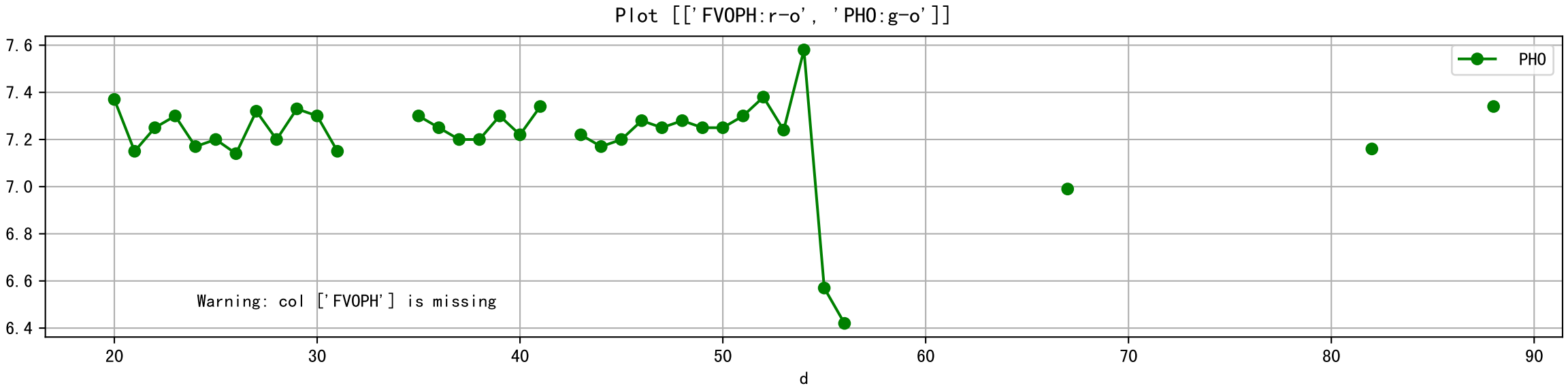

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

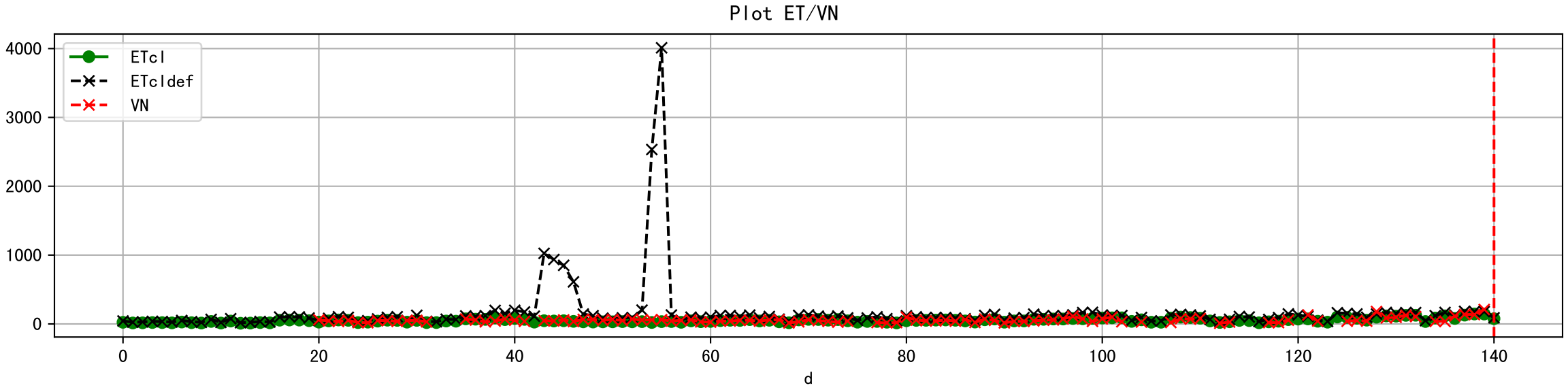

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
300
250
200
150
100
50
0
20
40
60
80
100
120
140
d
FRV
VI
Warning: col ['FVI'] is missing


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
ECC
ECI
Warning: col ['FVIEC'] is missing
2000
1500
1000
500
20
40
60
80
100
120
140
d

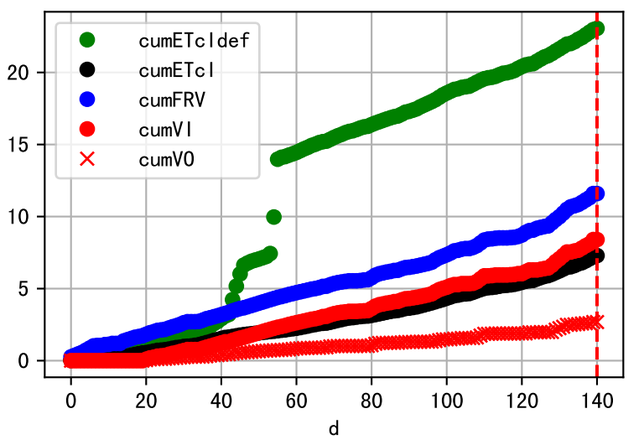

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
5000
4000
3000
2000
1000
20
40
60
80
100
120
140
d

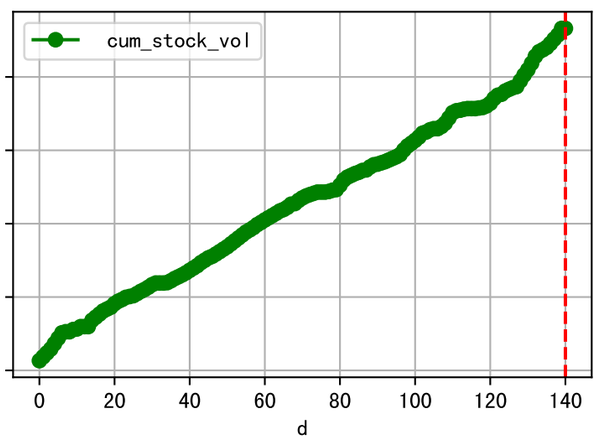

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
7.50
7.25
7.00
6.75
6.50
6.25
6.00
5.75
20
40
60
80
100
120
140
d
PHC
PHI
Warning: col ['FVIPH'] is missing

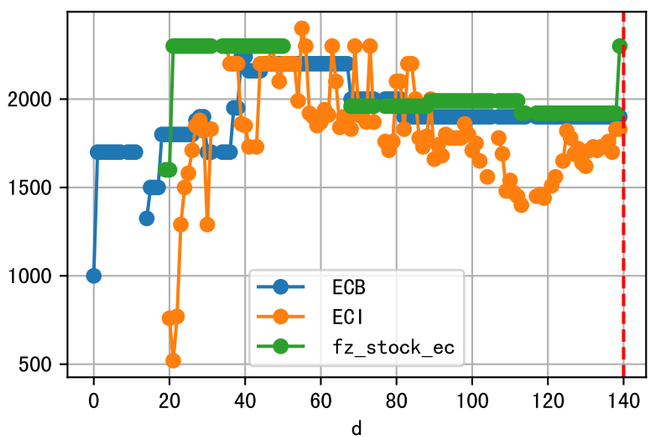

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.6
7.4
7.2
7.0
6.8
6.6
6.4
20
30
40
50
60
70
80
90
d

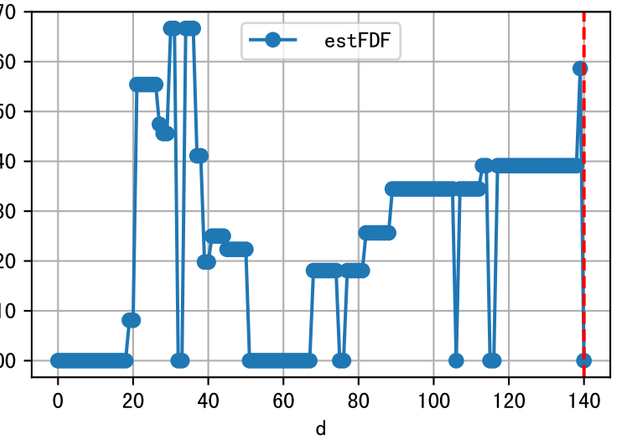

Plot ET/VN
ETcl
ETcldef
VN
4000
3000
2000
1000
0
0
20
40
60
80
100
120
140
d

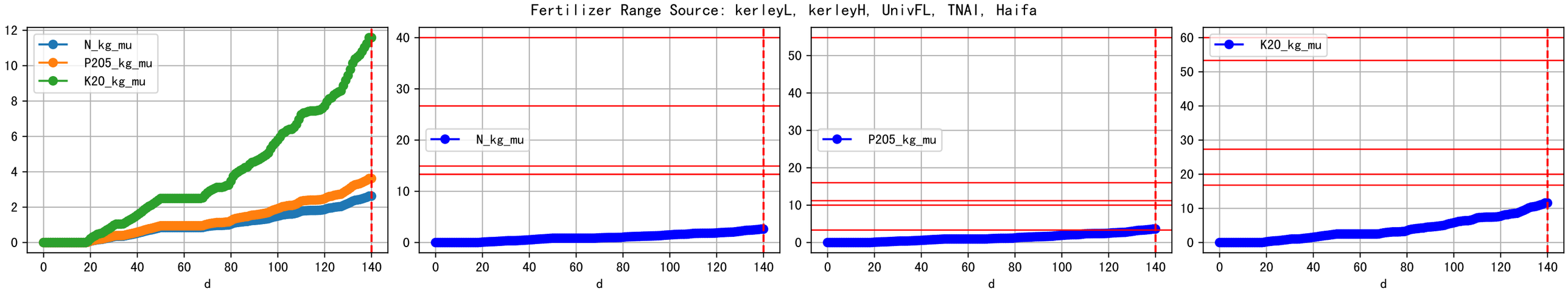
Plot Fv and fertilizer usage

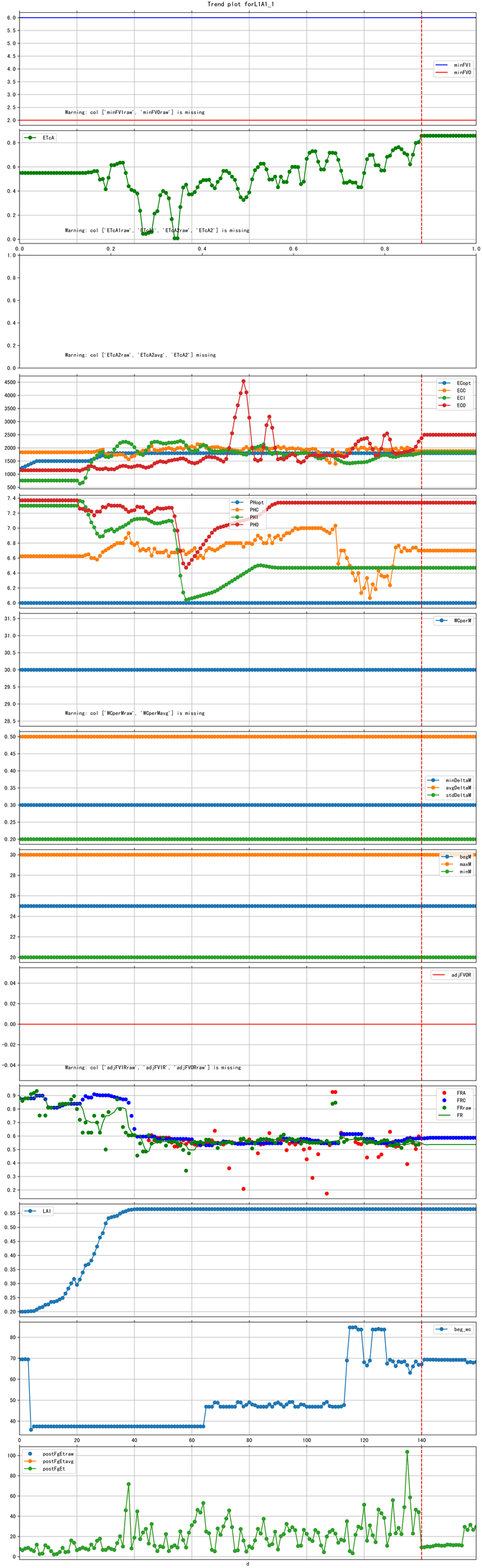


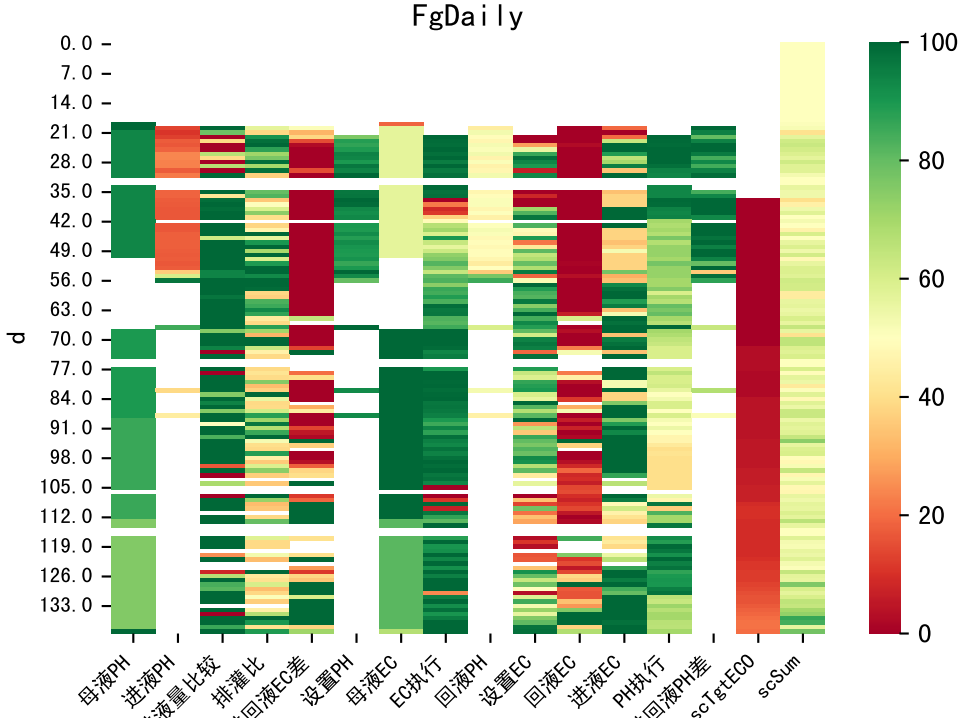




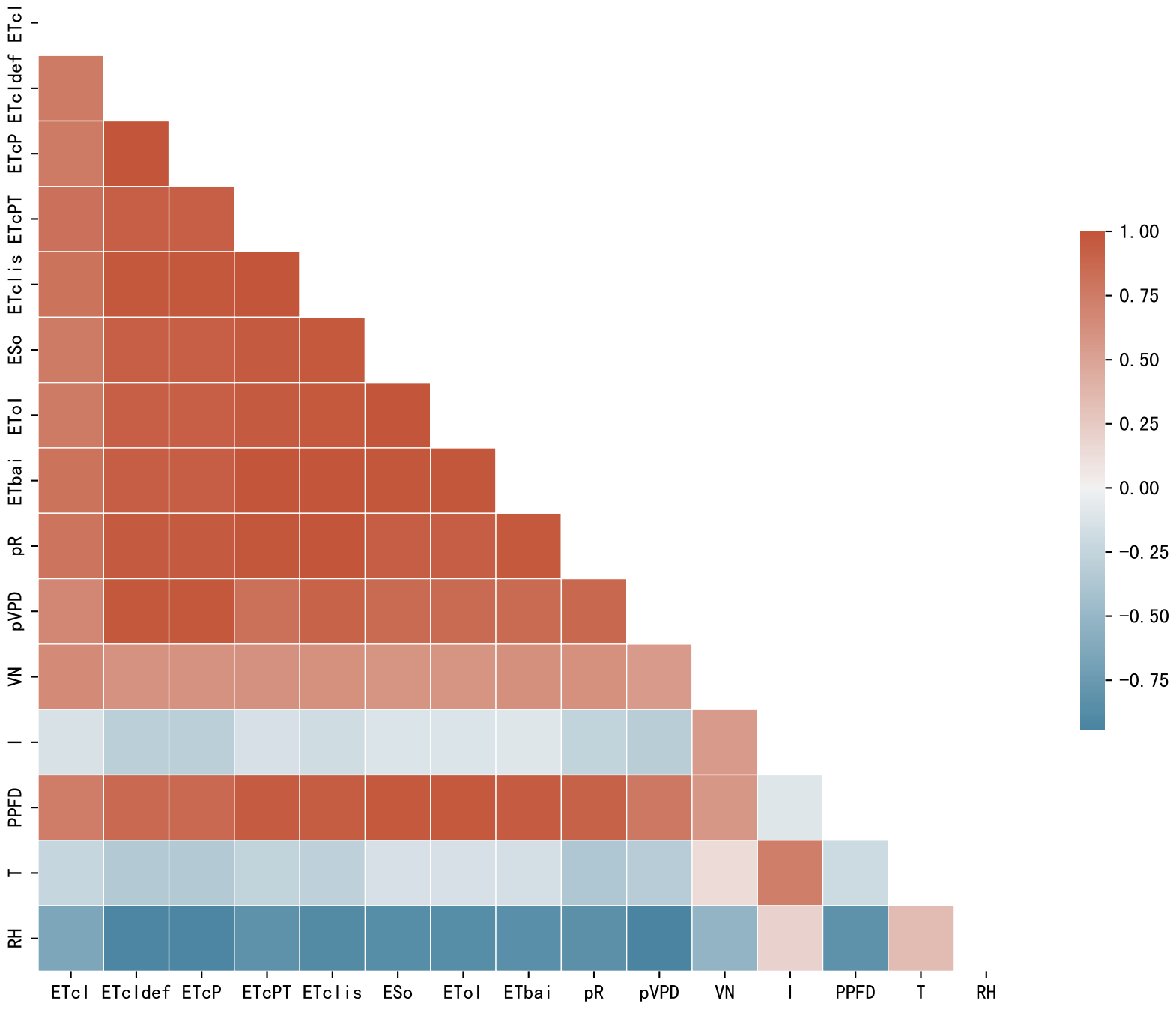


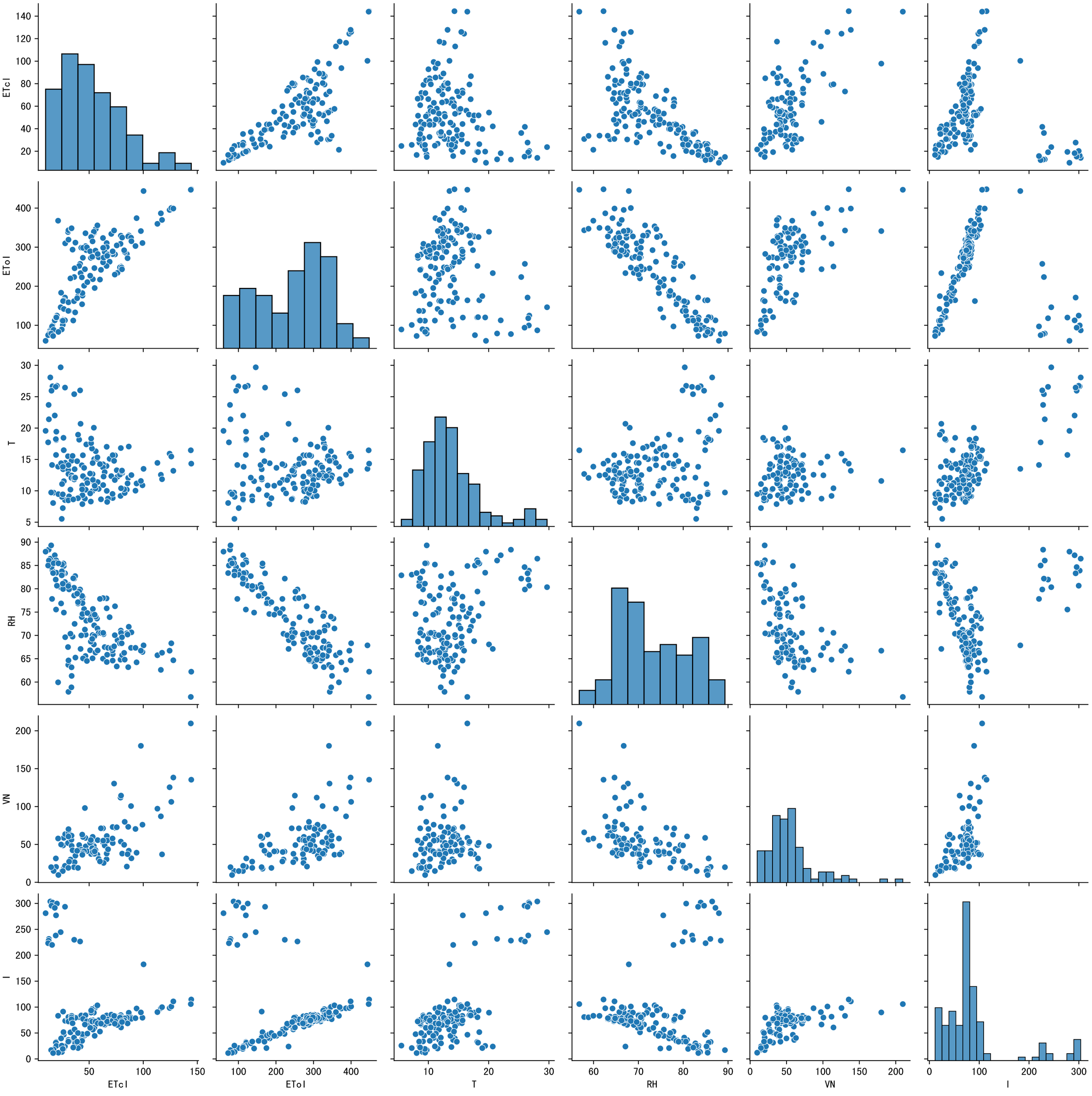

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

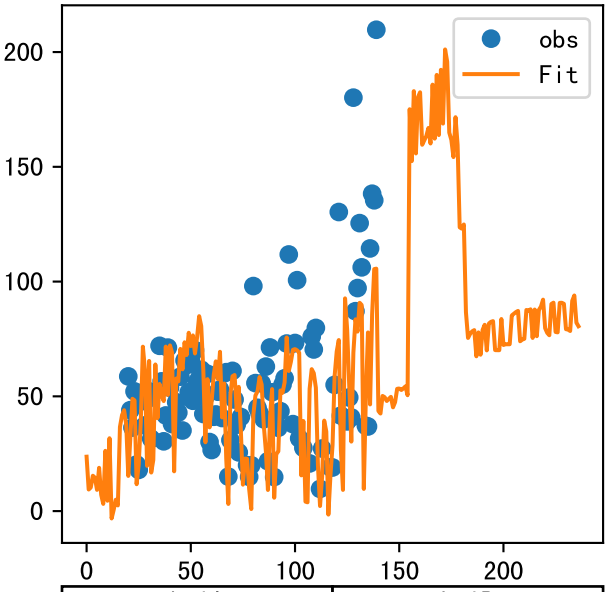

Trend plot forL1A1_1
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is missing
minDeltaM
avgDeltaM
stdDeltaM
begM
maxM
minM
adjFVOR
Warning: col ['adjFVIRraw', 'adjFVIR', 'adjFVORraw'] is missing
FRA
FRC
FRraw
FR
LAI
beg_wc
postFgEtraw
postFgEtavg
postFgEt
d

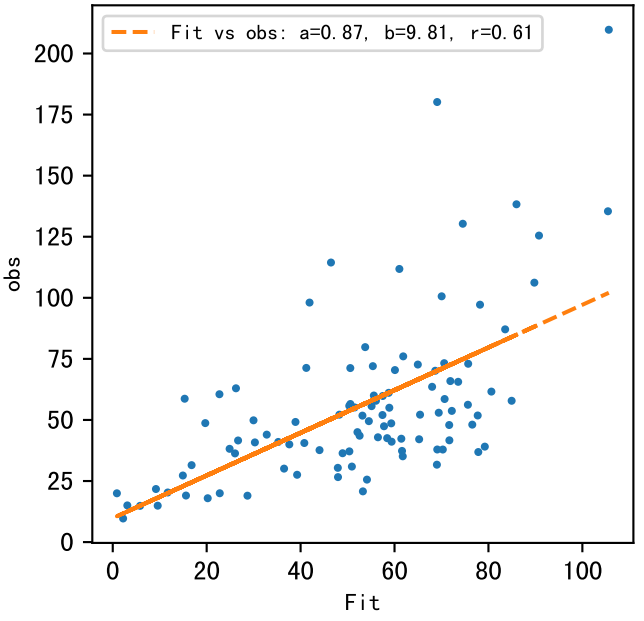

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
100
80
60
40
20
0
母液PH
进液PH
液量比较
排灌比
回液EC差
设置PH
母液EC
EC执行
回液PH
设置EC
回液EC
进液EC
PH执行
回液PH差
scTgtEC0
scSum

L1A1_1

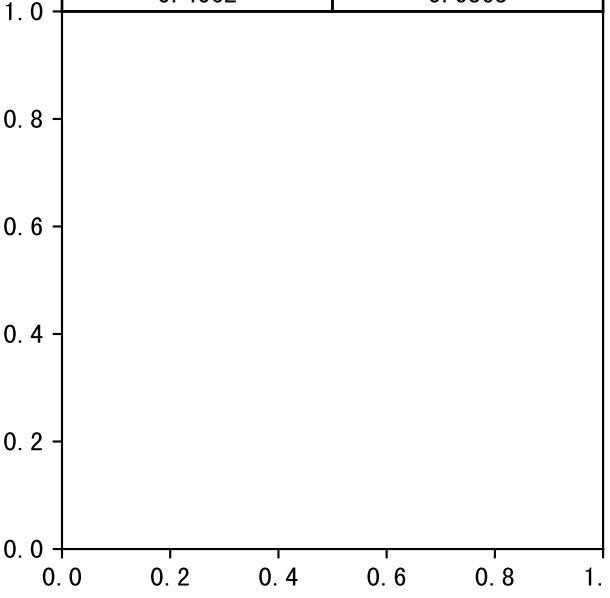

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

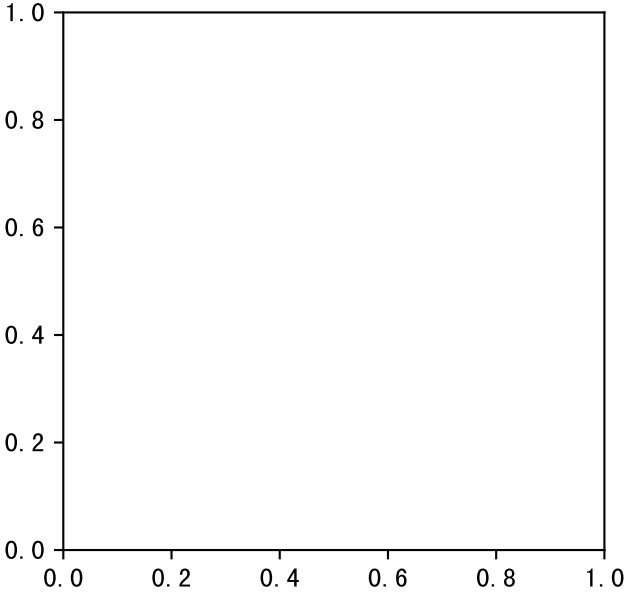

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

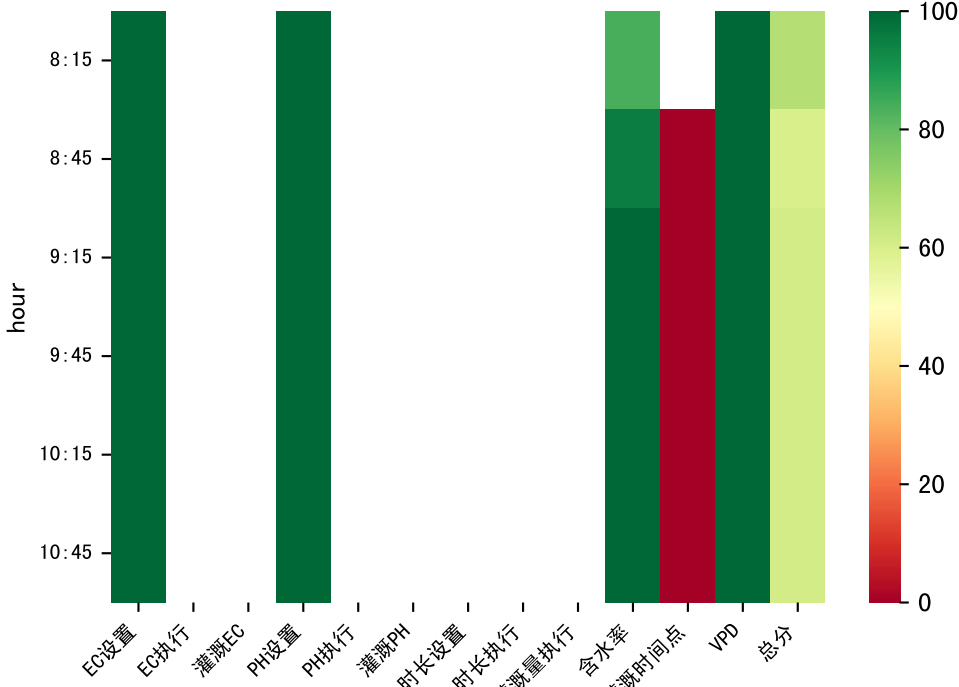




baiA	baiB
0.4062	0.0363

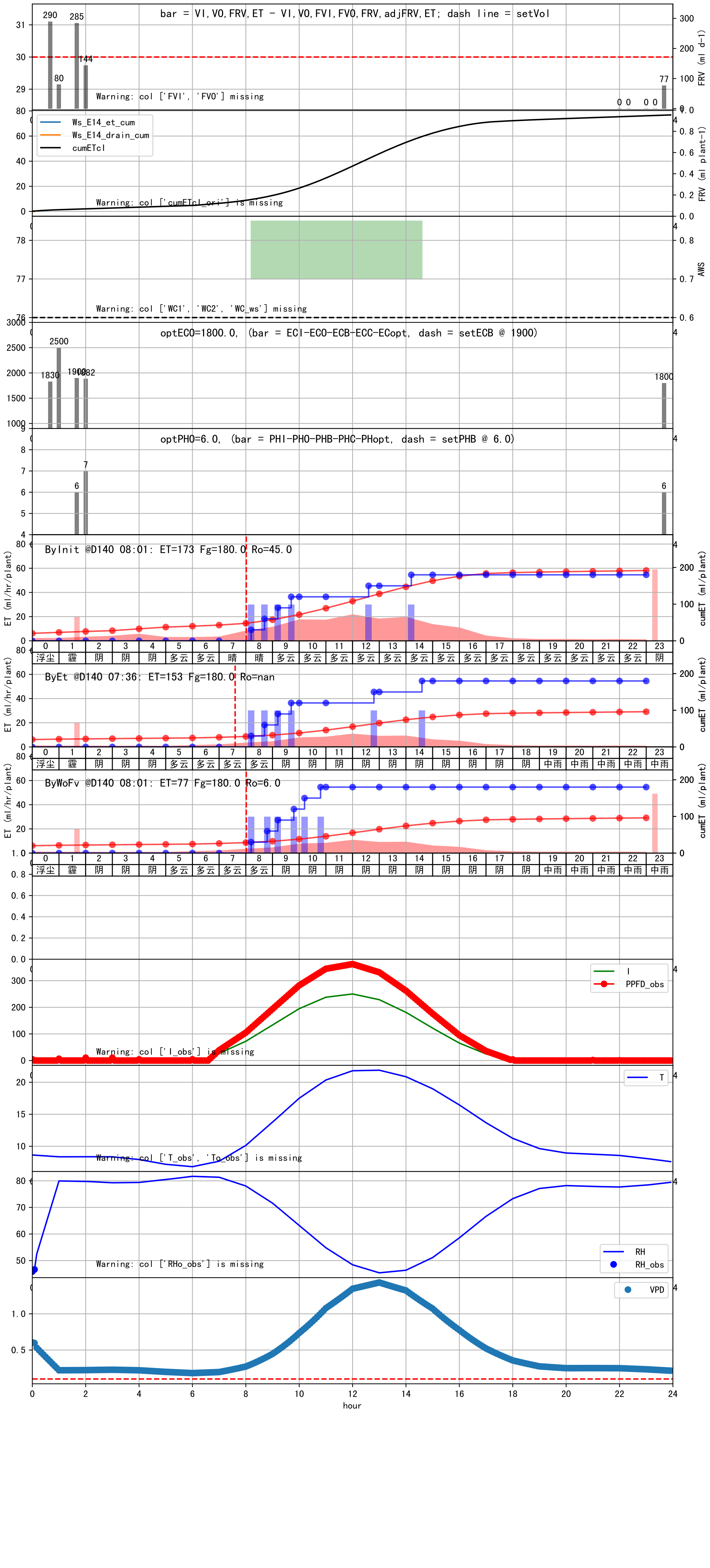


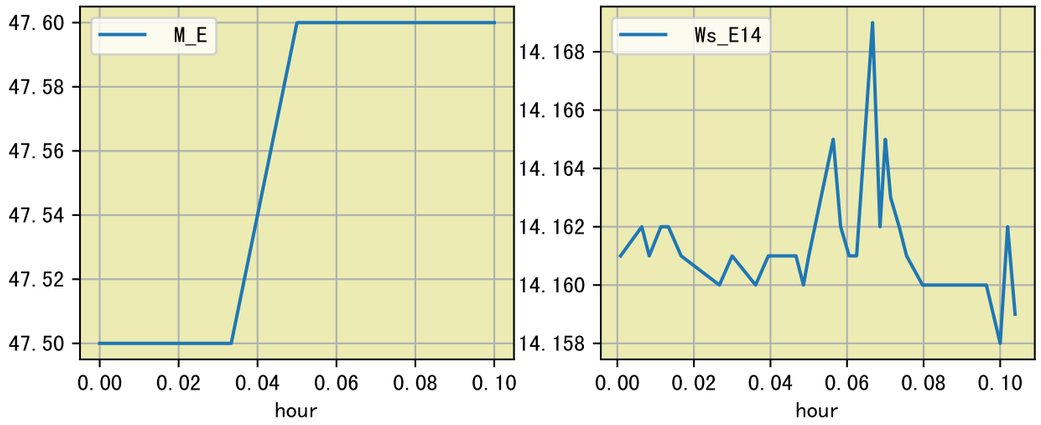


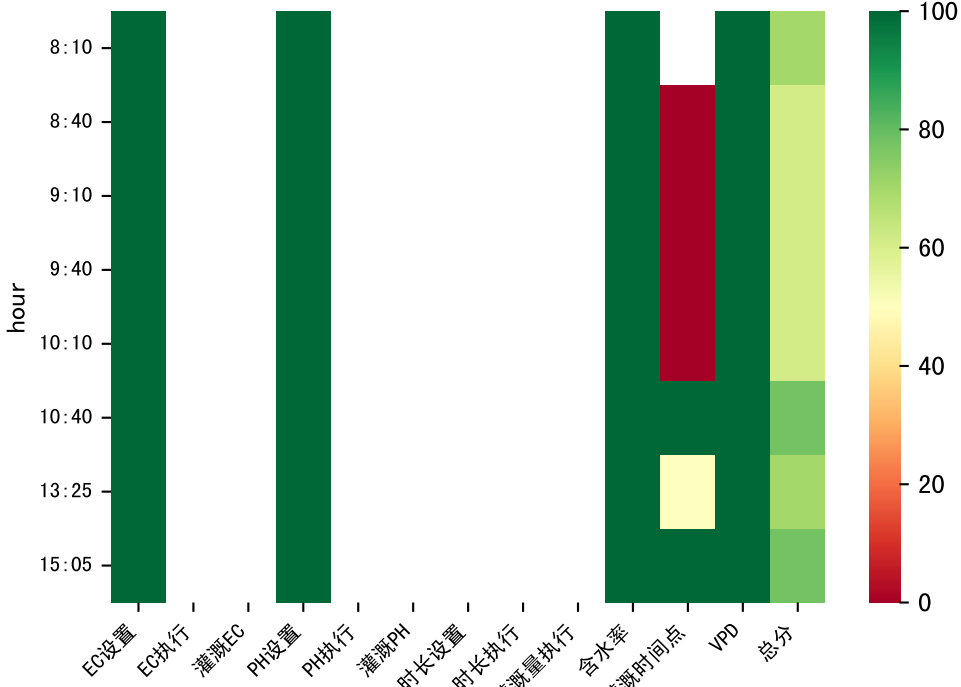

hour
8:15
8:45
9:15
9:45
10:15
10:45
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	55	30.0	0.122	多云	假设 自主（预期回液 无）
08:45	55	30.0	0.122	多云	假设 自主（预期回液 无）
09:15	55	30.0	0.122	阴	假设 自主（预期回液 无）
09:45	55	30.0	0.122	阴	假设 自主（预期回液 无）
10:15	55	30.0	0.122	阴	假设 自主（预期回液 无）
10:45	55	30.0	0.122	阴	假设 自主（预期回液 6 ml/株）
总计	330.0 (6次)	180.0			建议进液EC：1900， PH：6.0

L1A1_1, Day=140 (2026-02-23)

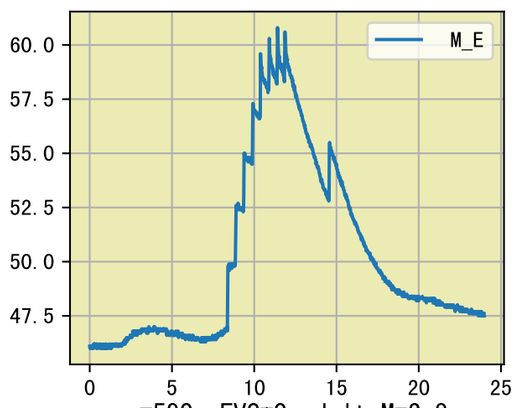


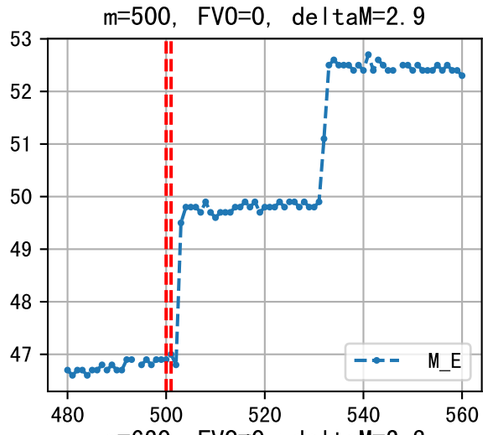

M_E
47.60
47.58
47.56
47.54
47.52
47.50
0.00
0.02
0.04
0.06
0.08
0.10
hour
Ws_E14
14.168
14.166
14.164
14.162
14.160
14.158
0.00
0.02
0.04
0.06
0.08
0.10
hour

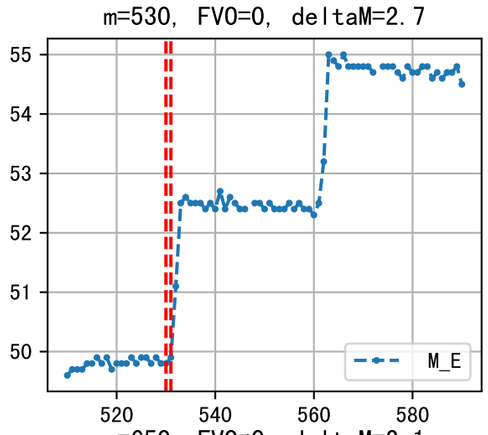

hour
8:10
8:40
9:10
9:40
10:10
10:40
13:25
15:05
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

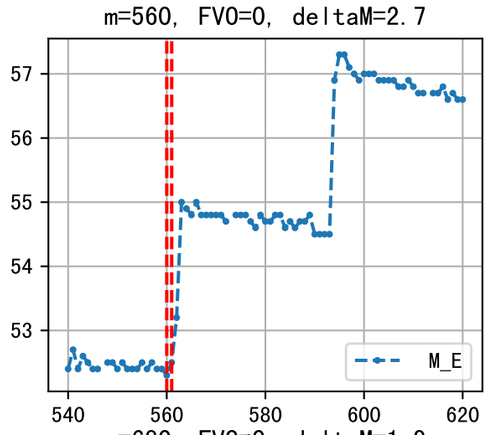
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
08:40	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
09:10	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
09:40	54	30.0	0.122	晴	假设 未知程序（预期回液 7 ml/株）
10:10	54	30.0	0.122	多云	假设 未知程序（预期回液 29 ml/株）
10:40	54	30.0	0.122	多云	假设 未知程序（预期回液 31 ml/株）
13:25	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
15:05	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
总计	432.0 (8次)	240.0			建议进液EC：1900， PH：6.0

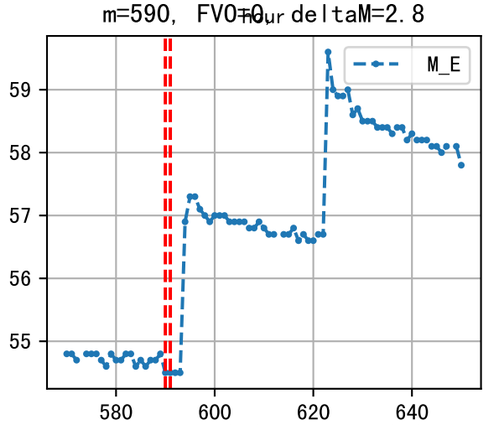
L1A1_1, Day=139.0 (2026-02-22)

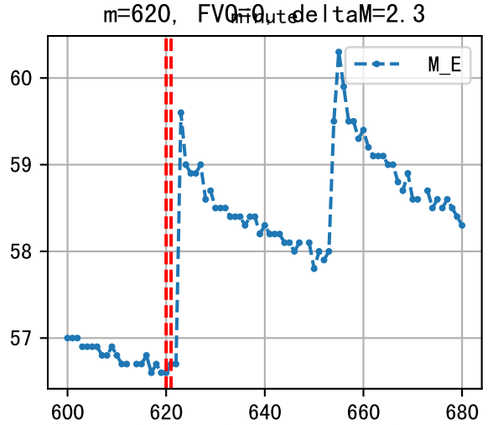

M_E

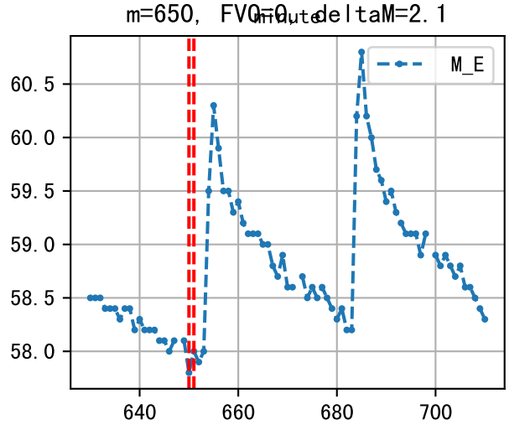

m=500, FV0=0, deltaM=2.9
M_E

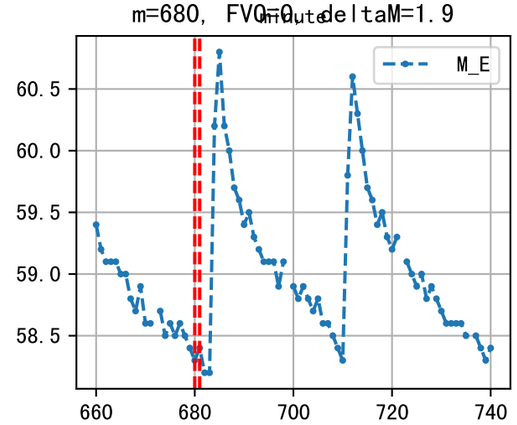

m=530, FV0=0, deltaM=2.7
M_E

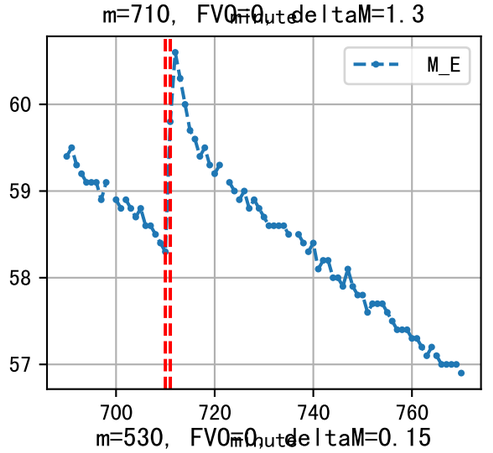

m=560, FV0=0, deltaM=2.7
M_E

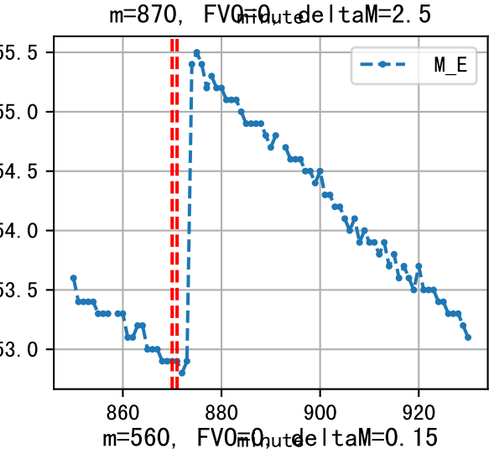

m=590, FV0=0, deltaM=2.8
hour
M_E

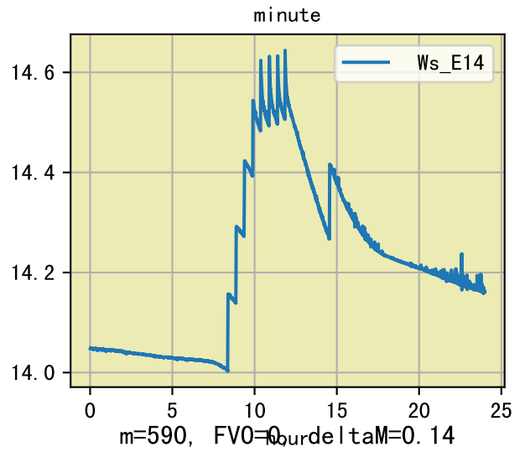

m=620, FV0=0, deltaM=2.3
minute
M_E

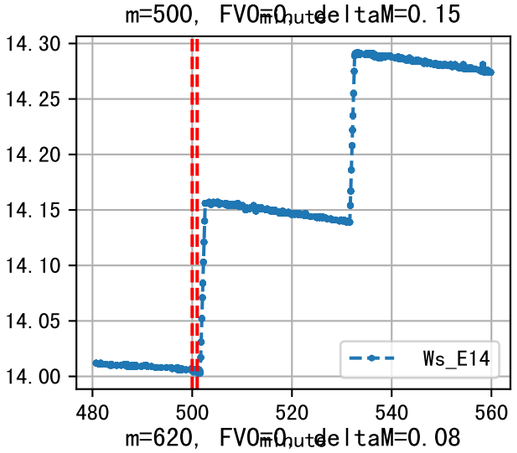

m=650, FV0=0, deltaM=2.1
minute
M_E
minute

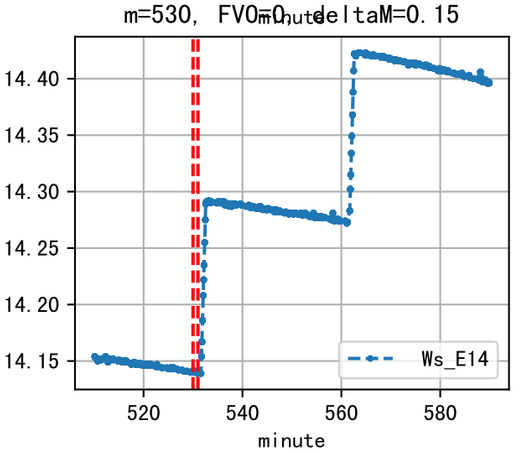

m=680, FV0=0, deltaM=1.9
minute
M_E

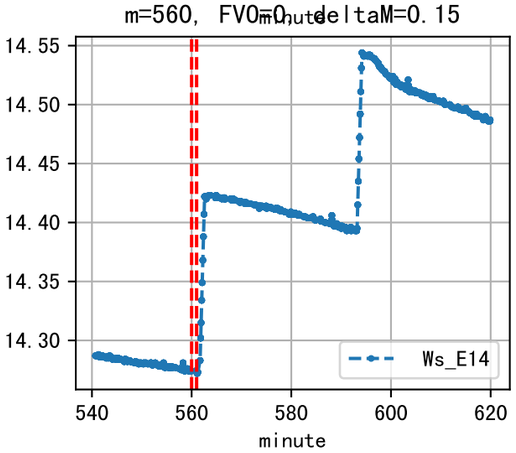

m=710, FV0=0, deltaM=1.3
minute
M_E

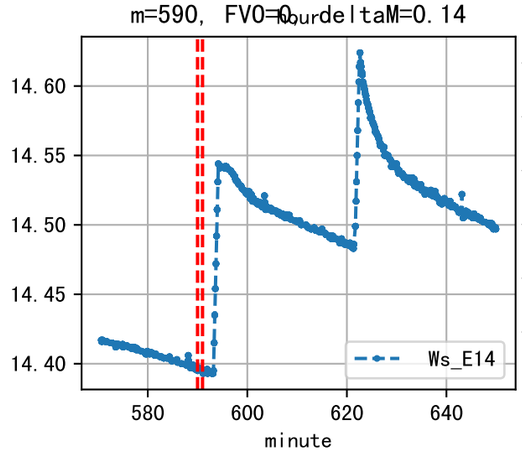

m=870, FV0=0, deltaM=2.5
minute
M_E

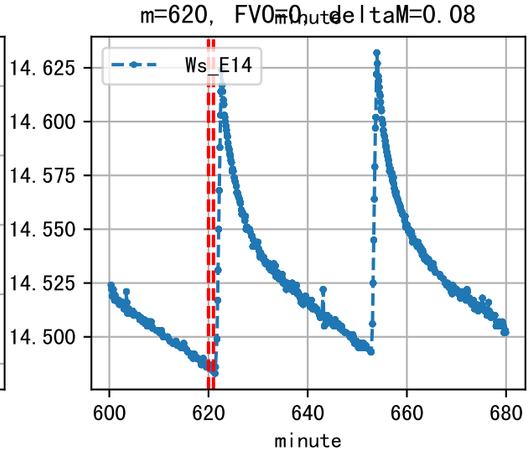

Ws_E14

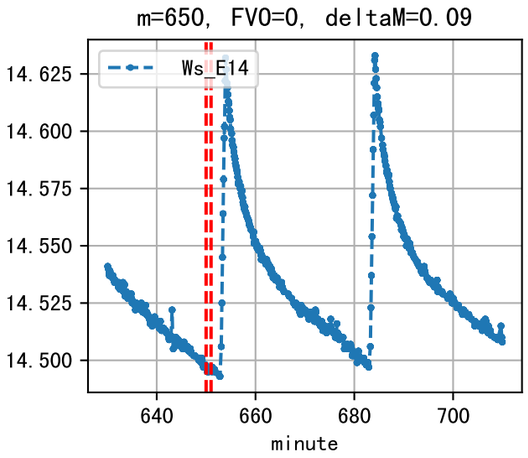

m=500, FV0=0, deltaM=0.15
minute
Ws_E14

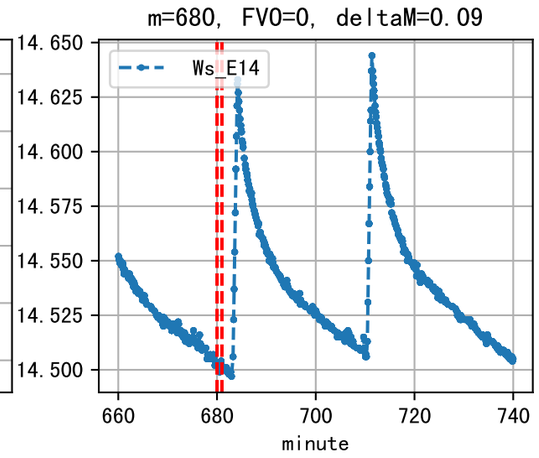

m=530, FV0=0, deltaM=0.15
minute
Ws_E14
minute

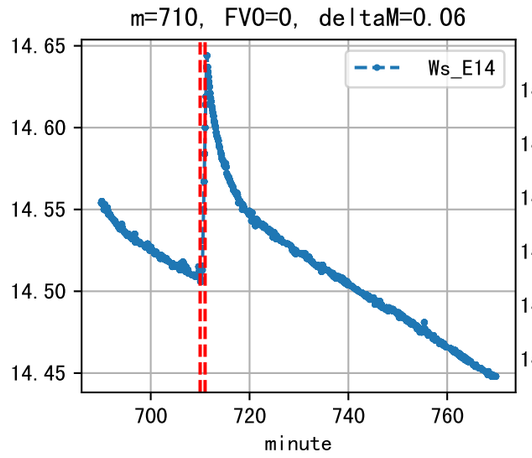

m=560, FV0=0, deltaM=0.15
minute
Ws_E14
minute

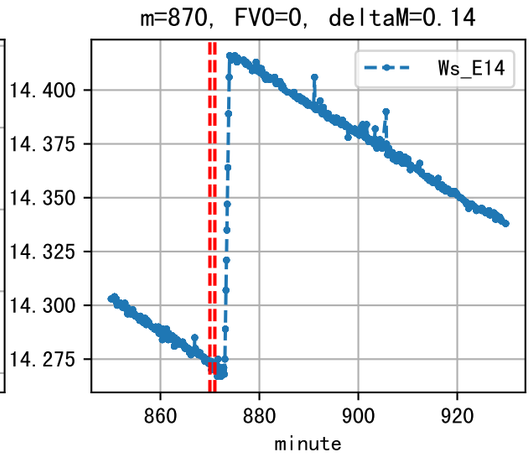

m=590, FV0=0, deltaM=0.14
hour
Ws_E14
minute

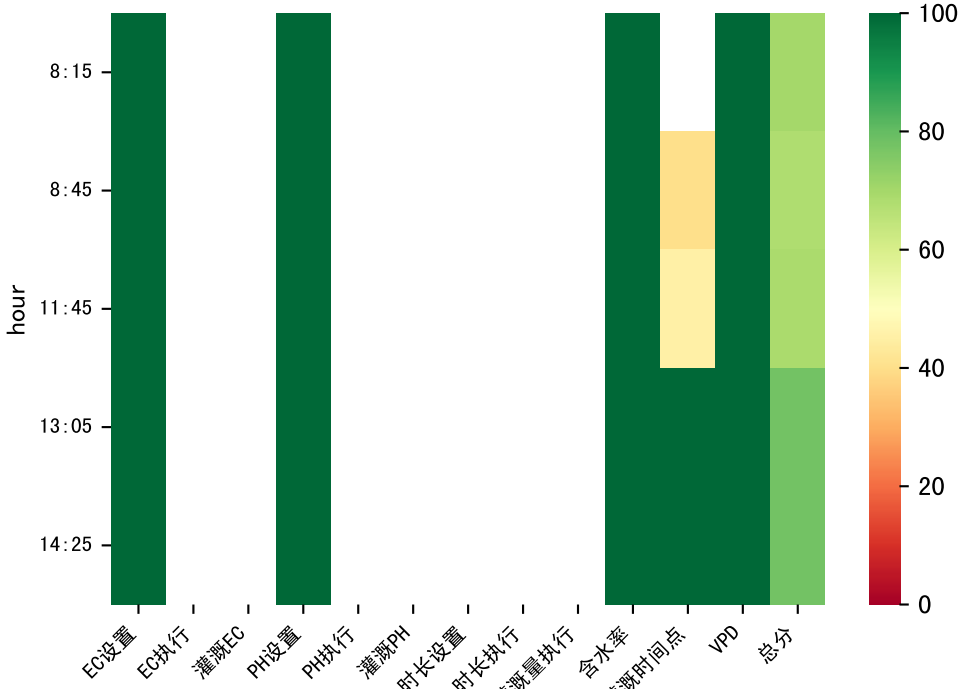

m=620, FV0=0, deltaM=0.08
minute
Ws_E14
minute


m=650, FV0=0, deltaM=0.09
Ws_E14
14.625
14.600
14.575
14.550
14.525
14.500
640
660
680
700
minute


m=680, FV0=0, deltaM=0.09
Ws_E14
14.650
14.625
14.600
14.575
14.550
14.525
14.500
660
680
700
720
740
minute


m=710, FV0=0, deltaM=0.06
Ws_E14
14.65
14.60
14.55
14.50
14.45
700
720
740
760
minute

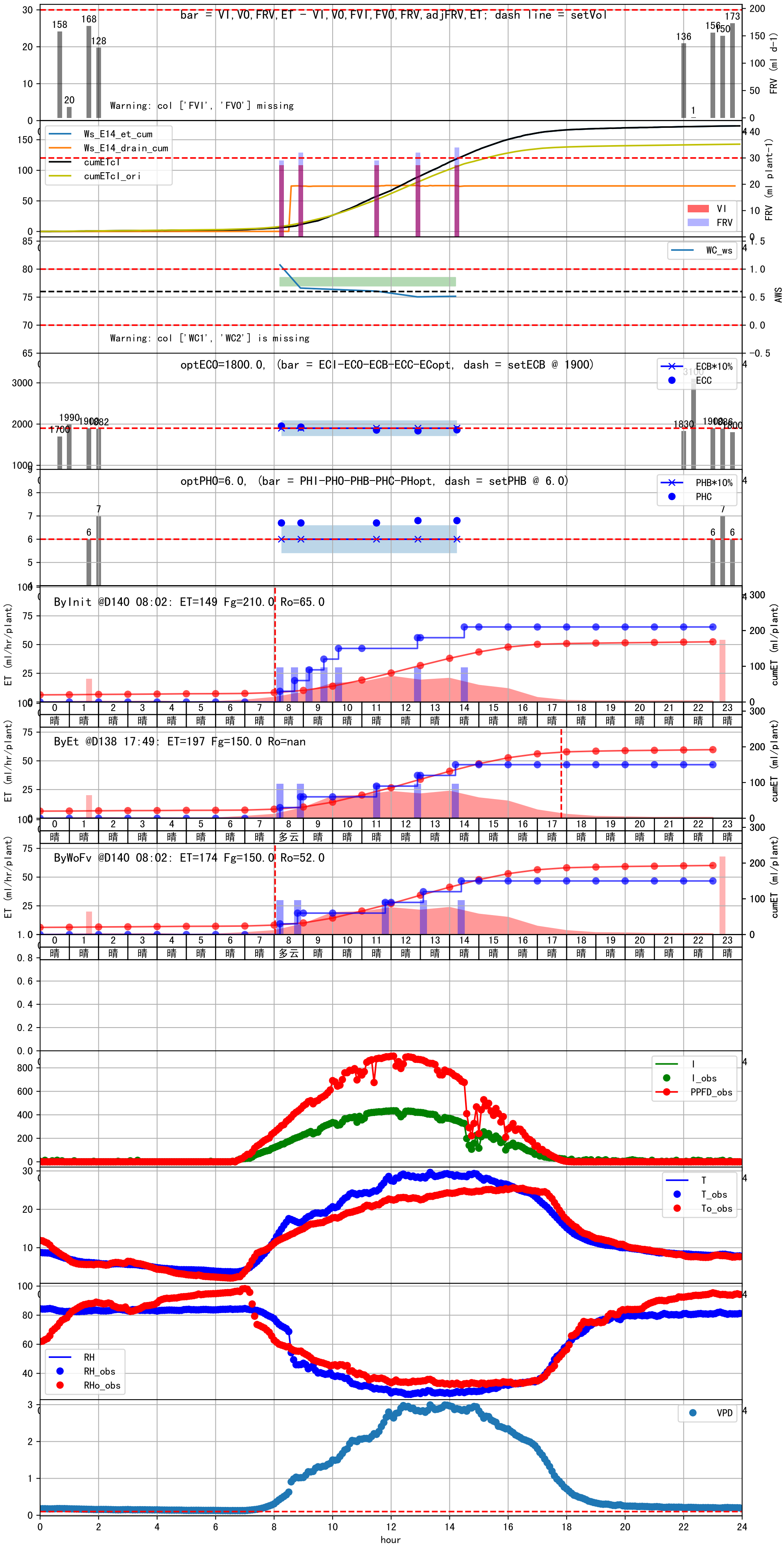

m=870, FV0=0, deltaM=0.14
Ws_E14
14.400
14.375
14.350
14.325
14.300
14.275
860
880
900
920
minute

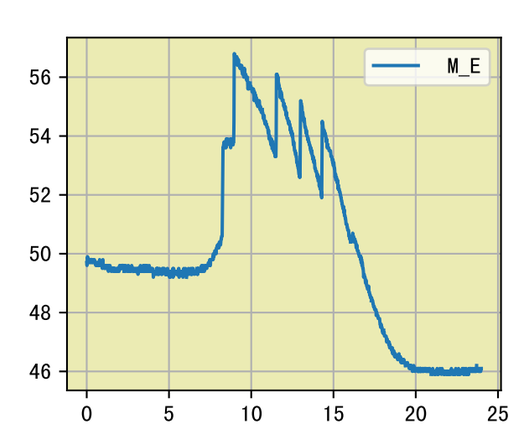

hour
8:15
8:45
11:45
13:05
14:25
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

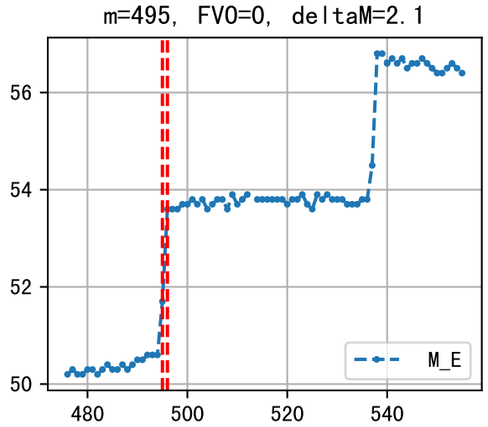
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	54	30.0	0.122	多云	假设 未知程序（预期回液 21 ml/株）
08:45	54	30.0	0.122	多云	假设 未知程序（预期回液 31 ml/株）
11:45	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
13:05	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
14:25	54	30.0	0.122	晴	假设 未知程序（预期回液 无）
总计	270.0 (5次)	150.0			建议进液EC：1900， PH：6.0

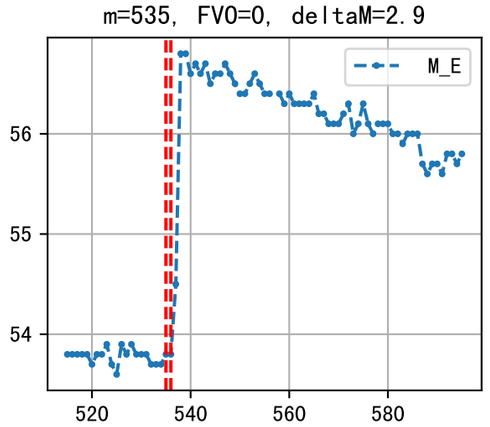
上次灌溉流速比过去5天平均大 (0.64 vs 0.58)，可能管道压力异常或有管道漏水
默认实际灌溉30.0 ml.

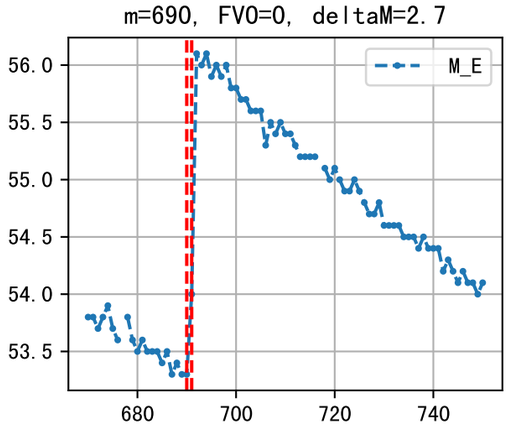
L1A1_1, Day=138.0 (2026-02-21)

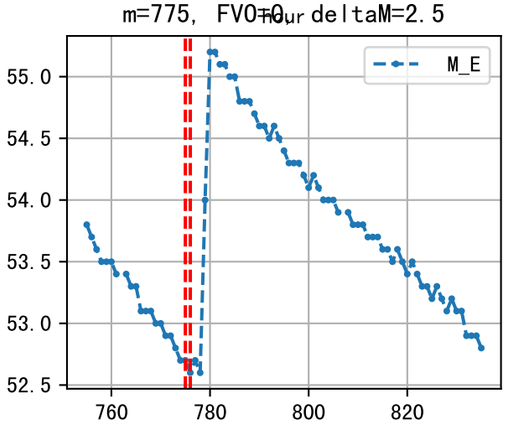


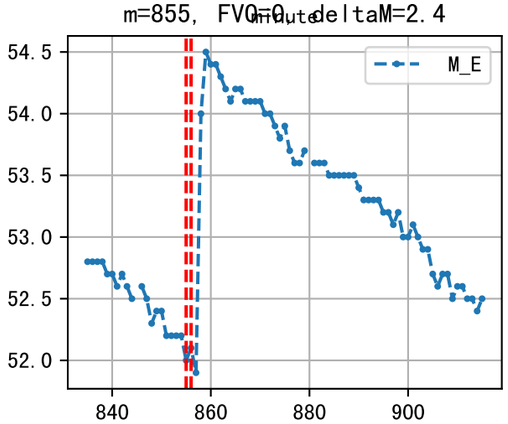

M_E

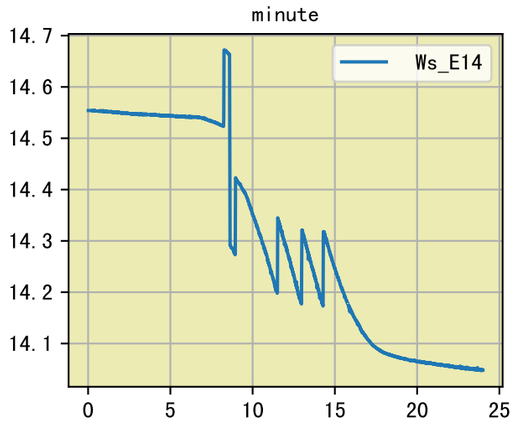

m=495, FVO=0, deltaM=2.1
M_E

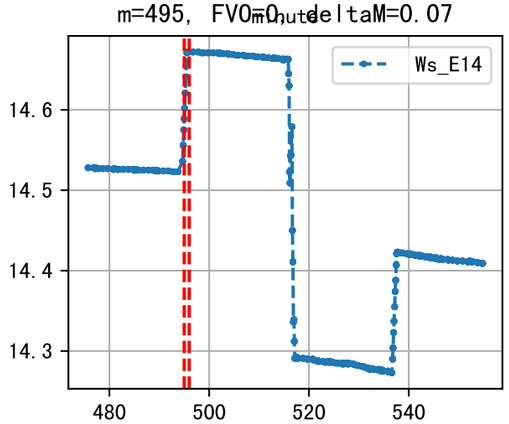

m=535, FVO=0, deltaM=2.9
M_E
minute

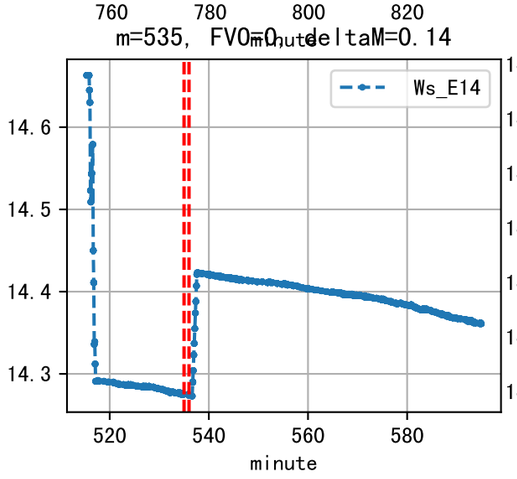

m=690, FVO=0, deltaM=2.7
M_E

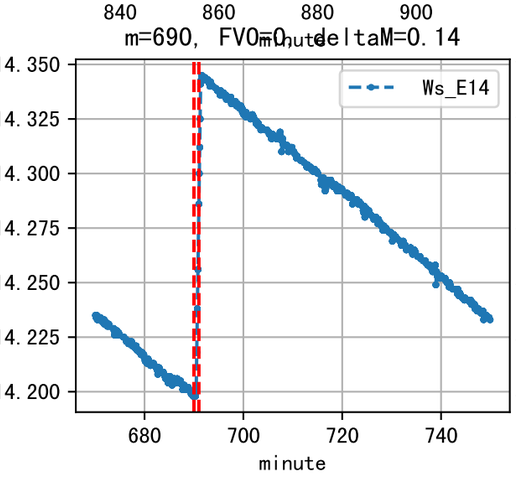

m=775, FVO=0, deltaM=2.5
M_E
hour

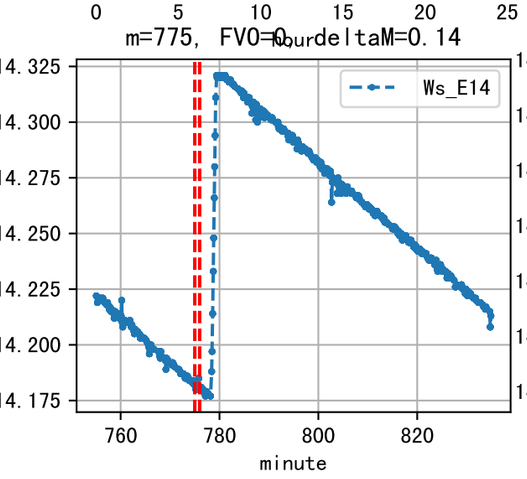

m=855, FVO=0, deltaM=2.4
M_E
minute

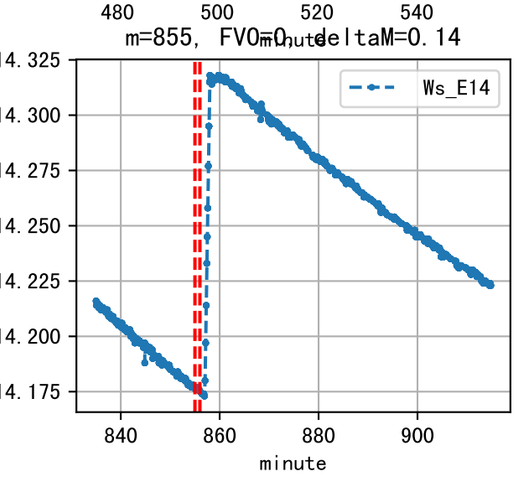

Ws_E14

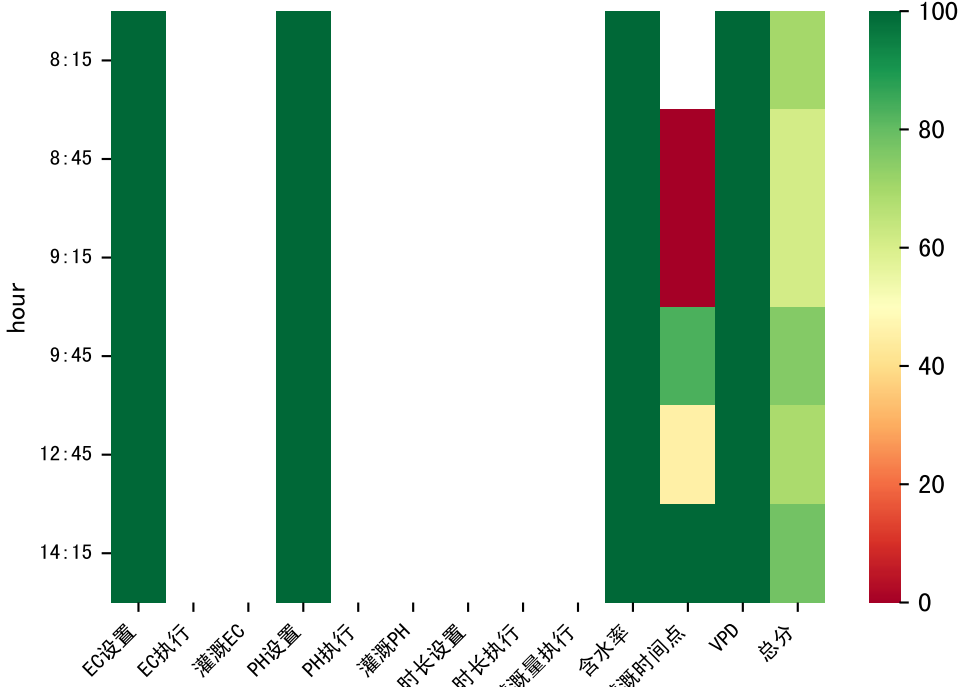

m=495, FVO=0, deltaM=0.07
Ws_E14
minute


m=535, FVO=0, deltaM=0.14
Ws_E14
minute


m=690, FVO=0, deltaM=0.14
Ws_E14
minute


m=775, FVO=0, deltaM=0.14
Ws_E14
minute

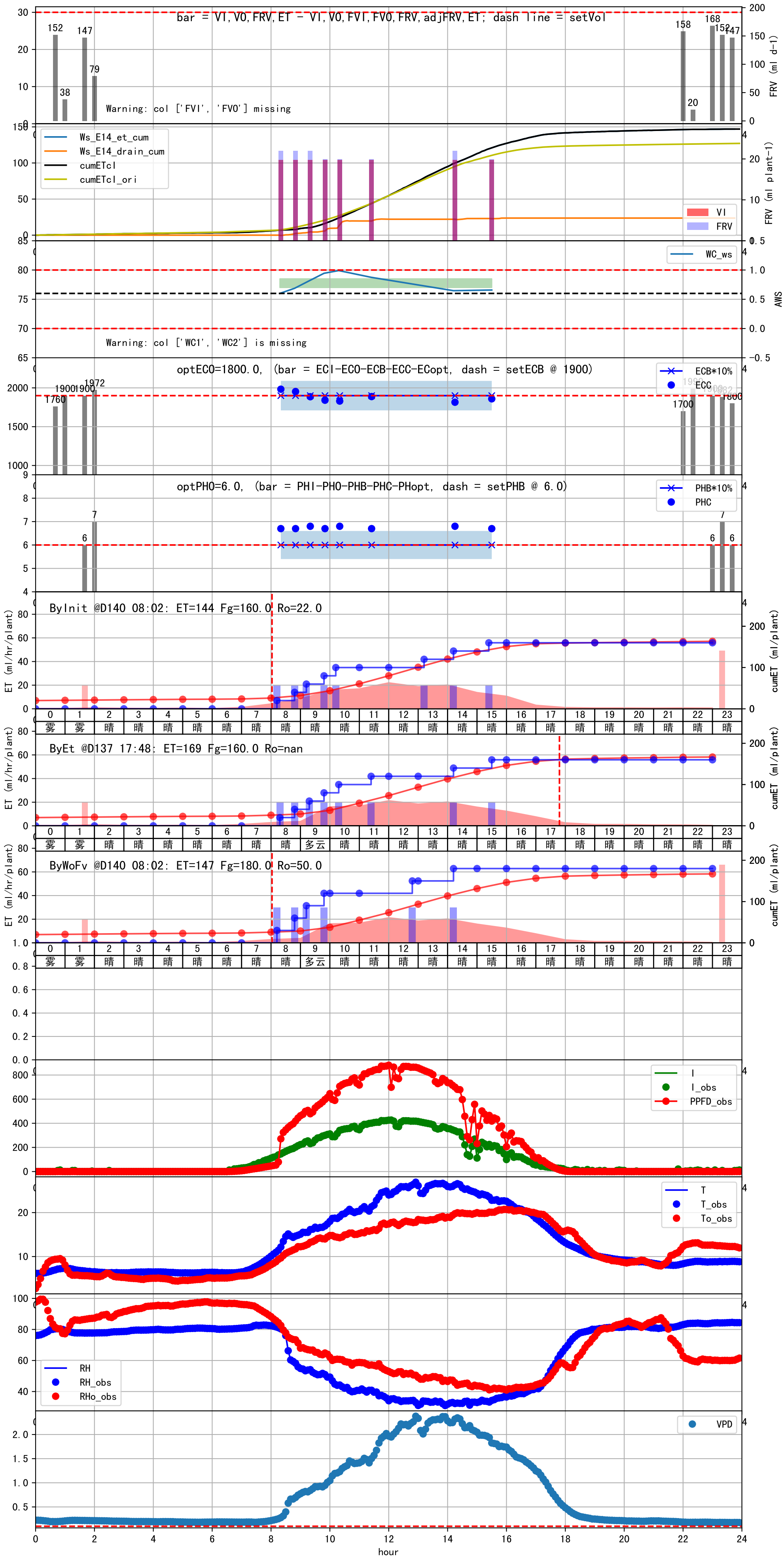

m=855, FVO=0, deltaM=0.14
Ws_E14
minute

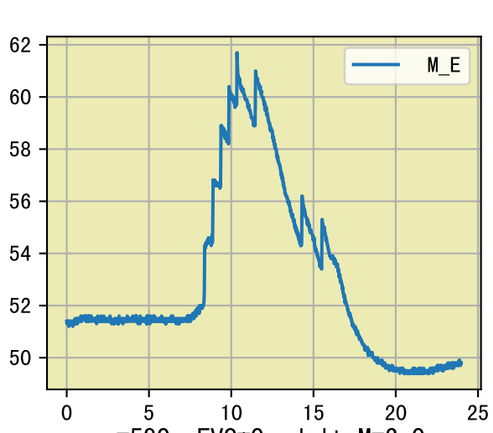

hour
8:15
8:45
9:15
9:45
12:45
14:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

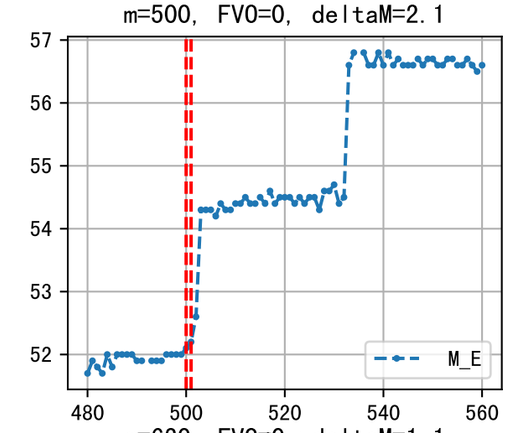
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:15	56	30.0	0.122	晴	假设 未知程序（预期回液 无）
08:45	56	30.0	0.122	晴	假设 未知程序（预期回液 无）
09:15	56	30.0	0.122	多云	假设 未知程序（预期回液 20 ml/株）
09:45	56	30.0	0.122	多云	假设 未知程序（预期回液 30 ml/株）
12:45	56	30.0	0.122	晴	假设 未知程序（预期回液 无）
14:15	56	30.0	0.122	晴	假设 未知程序（预期回液 无）
总计	336.0 (6次)	180.0			建议进液EC：1900， PH：6.0

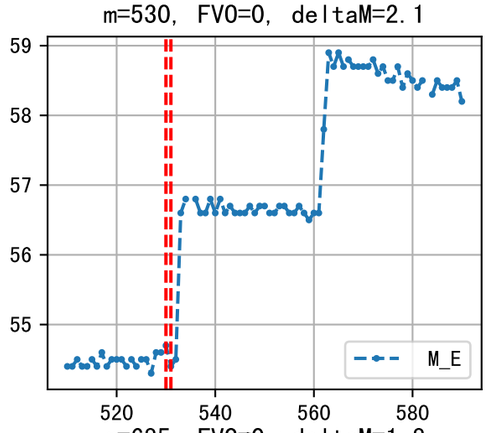
上次灌溉时长未按模型建议(36 vs 56.0))
默认实际灌溉19.0 ml.
unusual large postFgEt from yesterday (104), set to 90.0 ml.

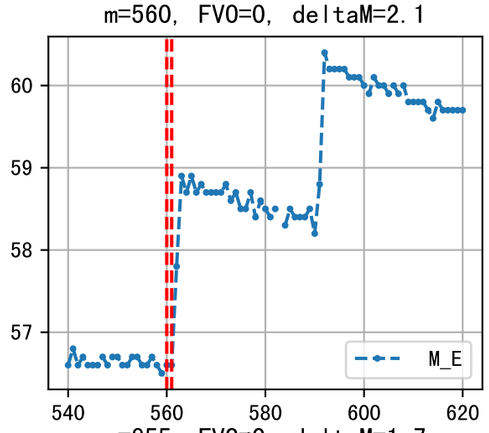
L1A1_1, Day=137.0 (2026-02-20)

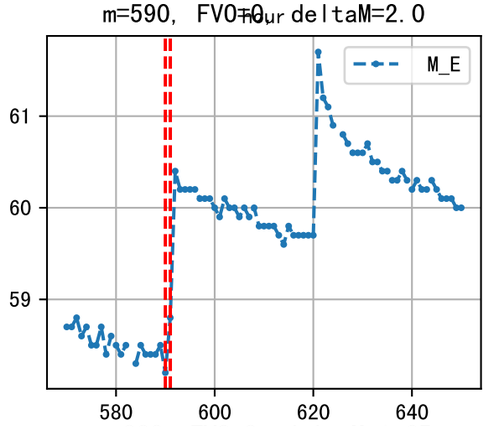


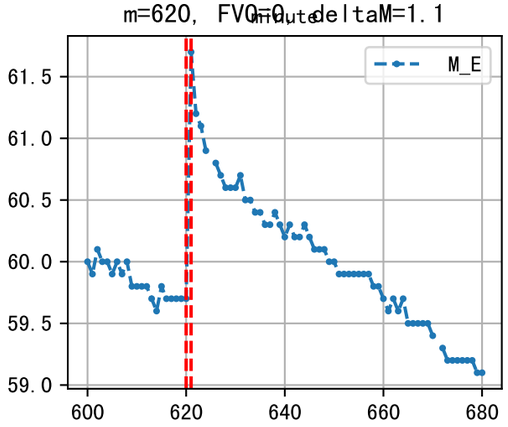

M_E
hour

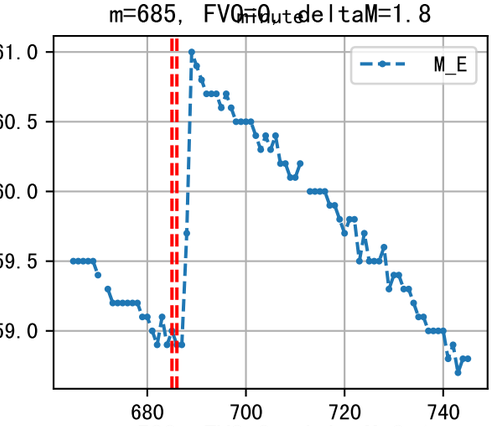

m=500, FVO=0, deltaM=2.1
M_E
minute

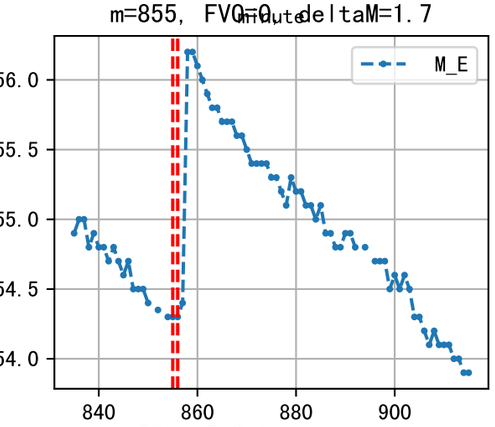

m=530, FVO=0, deltaM=2.1
M_E
minute

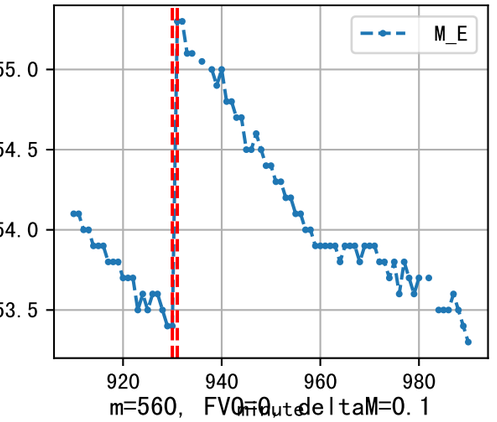

m=560, FVO=0, deltaM=2.1
M_E
minute

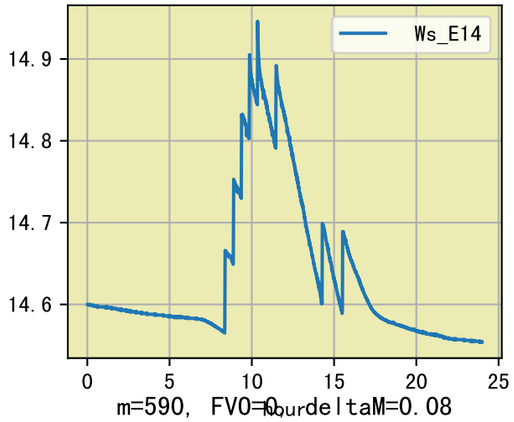

m=590, FVO=0, deltaM=2.0
M_E
hour

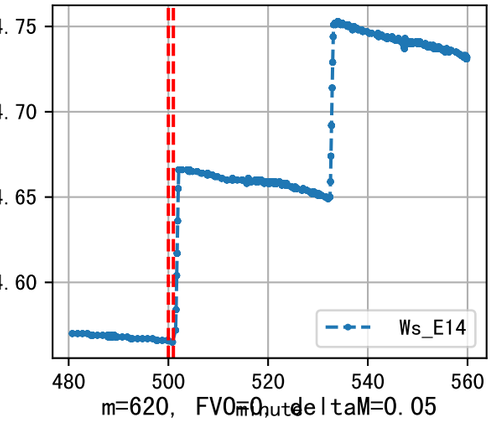

m=620, FVO=0, deltaM=1.1
M_E
minute

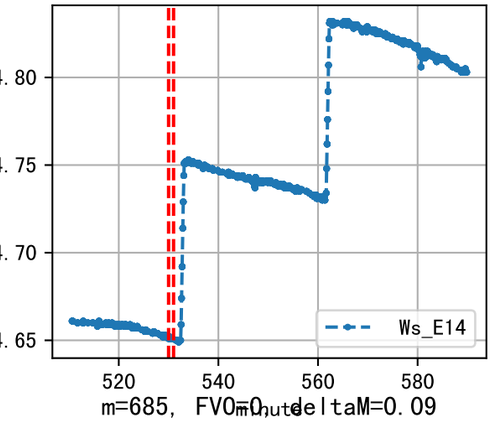

m=685, FVO=0, deltaM=1.8
M_E
minute

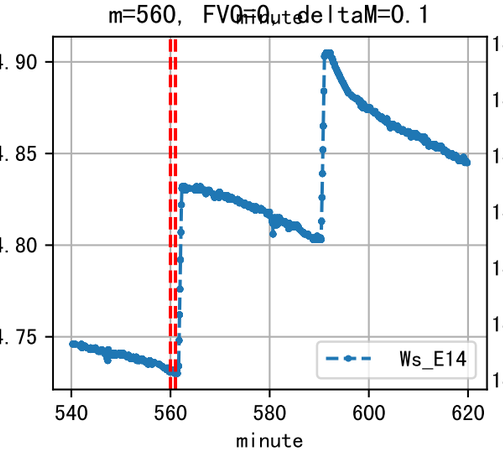

m=855, FVO=0, deltaM=1.7
M_E
minute

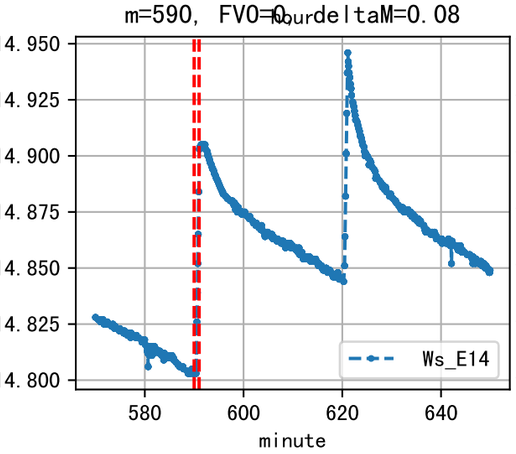

m=930, FVO=0, deltaM=1.65
M_E
minute

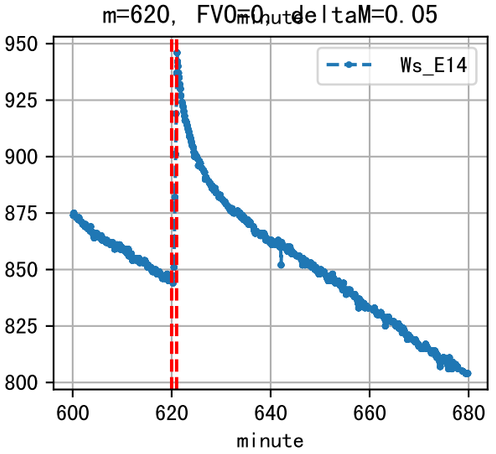

m=500, FVO=0, deltaM=0.1
Ws_E14
minute

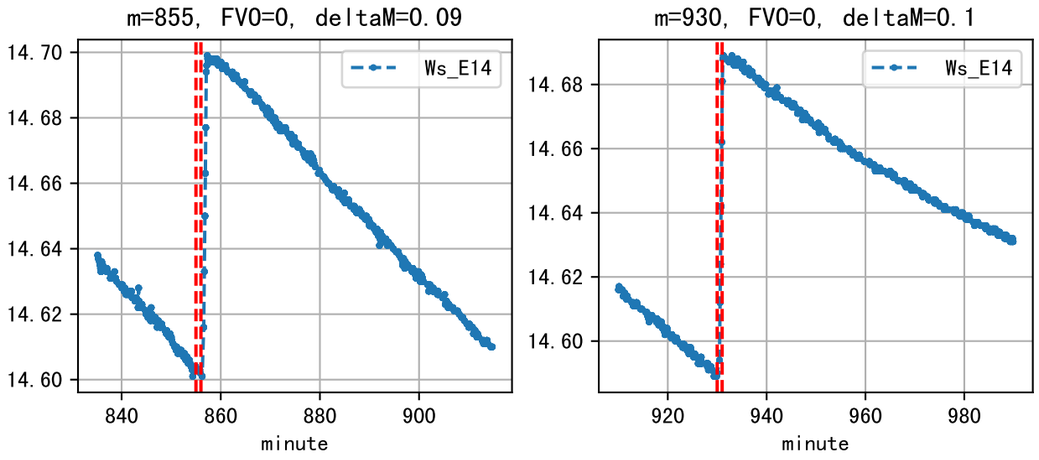

m=530, FVO=0, deltaM=0.1
Ws_E14
minute


m=560, FVO=0, deltaM=0.1
Ws_E14
minute

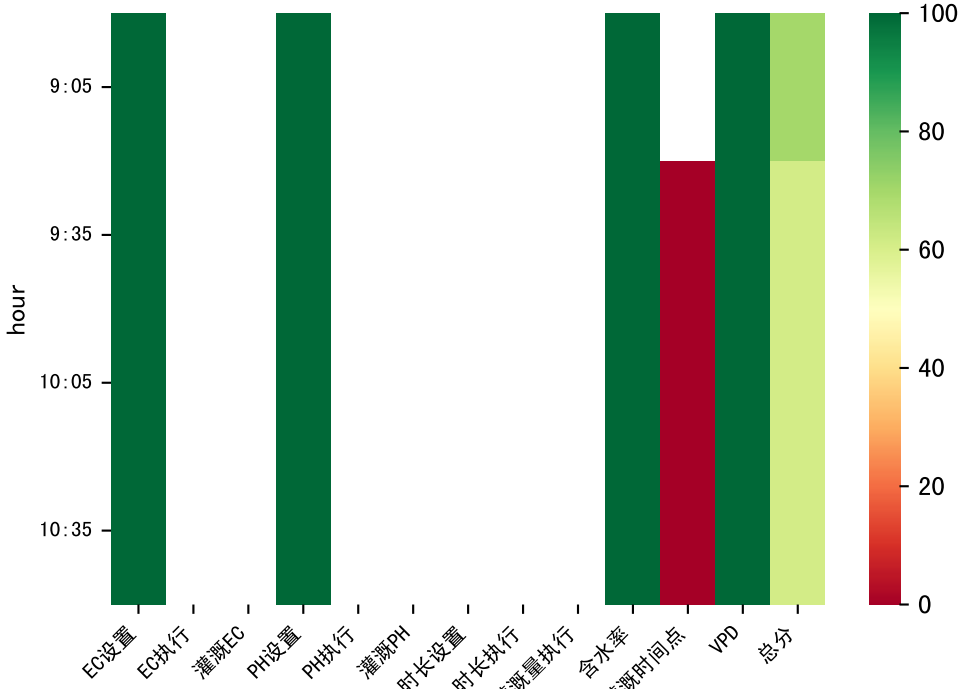

m=590, FVO=0, deltaM=0.08
Ws_E14
minute


m=620, FVO=0, deltaM=0.05
Ws_E14
minute


m=685, FVO=0, deltaM=0.09
Ws_E14
minute


m=855, FV0=0, deltaM=0.09
Ws_E14
14.70
14.68
14.66
14.64
14.62
14.60
840
860
880
900
minute

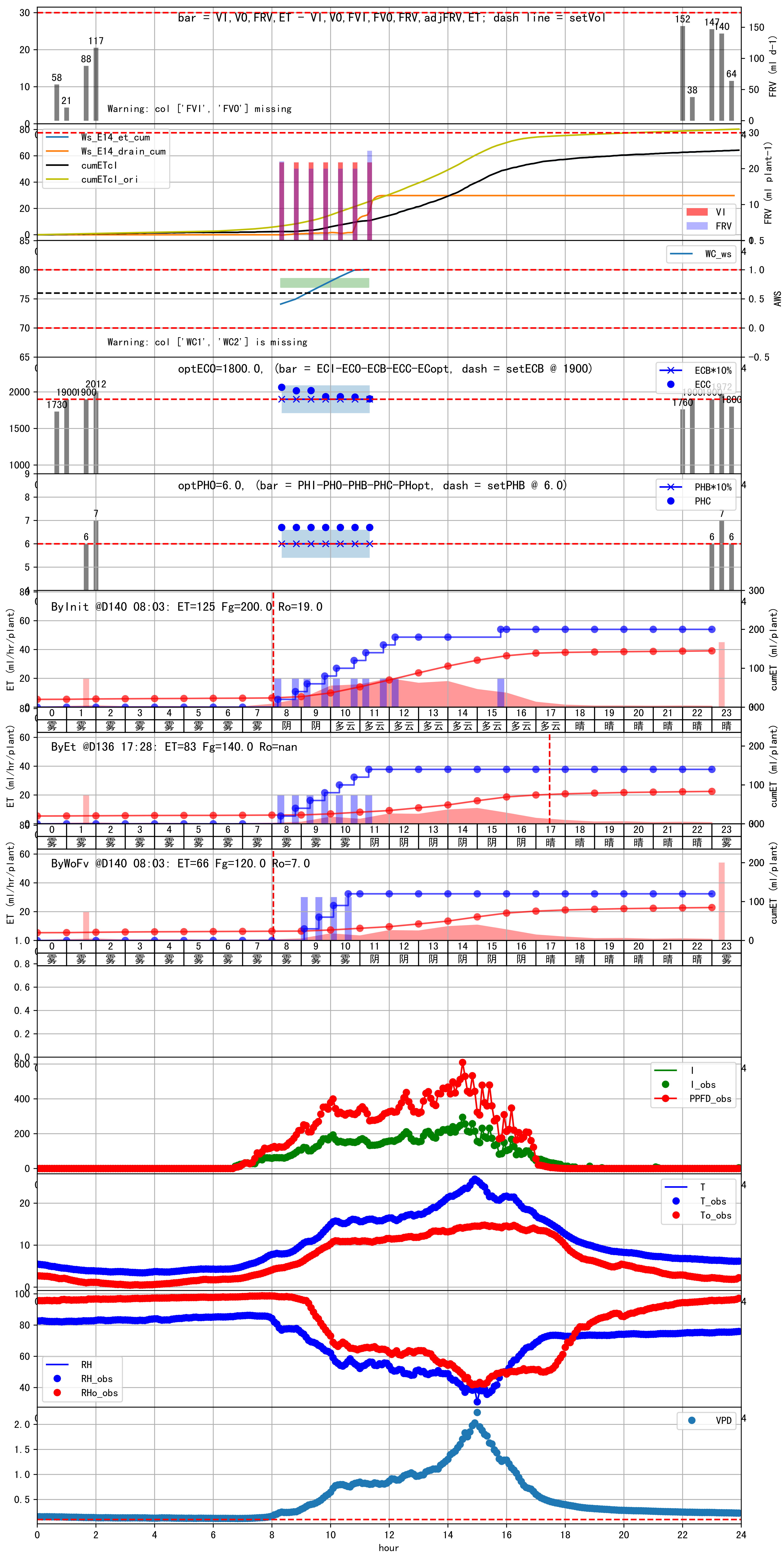
m=930, FV0=0, deltaM=0.1
Ws_E14
14.68
14.66
14.64
14.62
14.60
920
940
960
980
minute

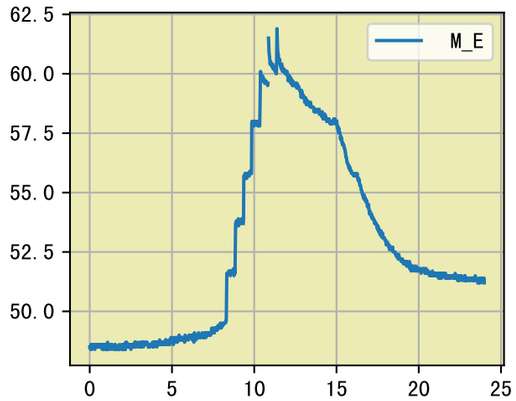

hour
9:05
9:35
10:05
10:35
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

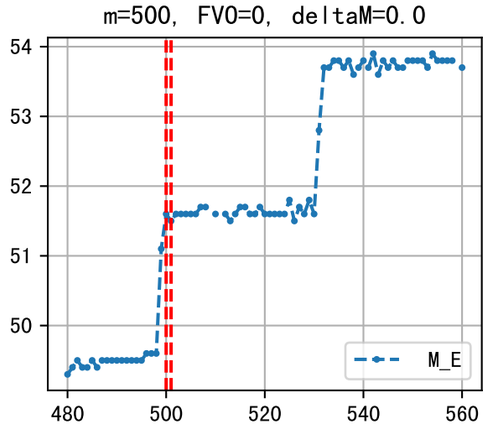
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
09:05	56	30.0	0.122	雾	假设 未知程序（预期回液 无）
09:35	56	30.0	0.122	雾	假设 未知程序（预期回液 无）
10:05	56	30.0	0.122	雾	假设 未知程序（预期回液 无）
10:35	56	30.0	0.122	雾	假设 未知程序（预期回液 7 ml/株）
总计	224.0 (4次)	120.0			建议进液EC：1900， PH：6.0

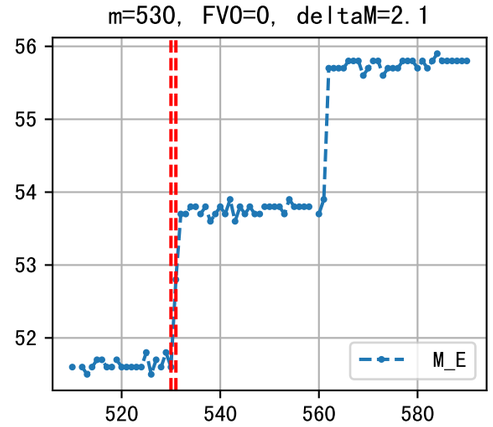
上次灌溉流速比过去5天平均大 (0.66 vs 0.58)，可能管道压力异常或有管道漏水
施肥机灌溉量与预期值不符 (25.0 : 20.0)，可能水表需要校准
上次灌溉时长未按模型建议(37 vs 56.0))
默认实际灌溉20.0 ml.

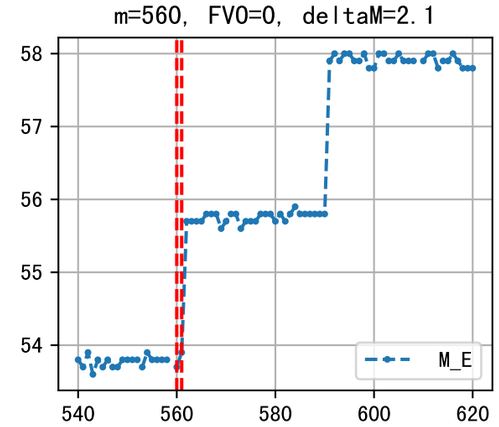
L1A1_1, Day=136.0 (2026-02-19)

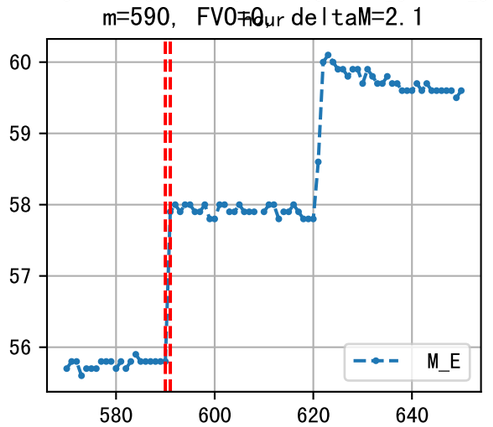


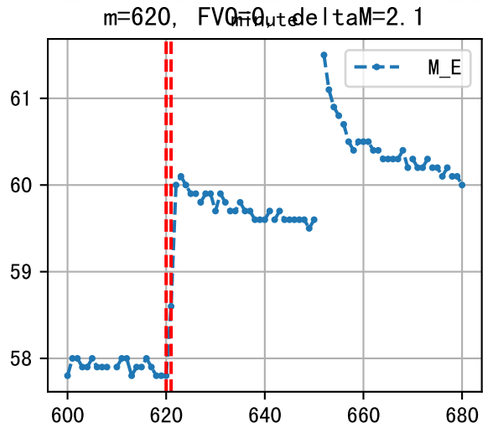

M_E

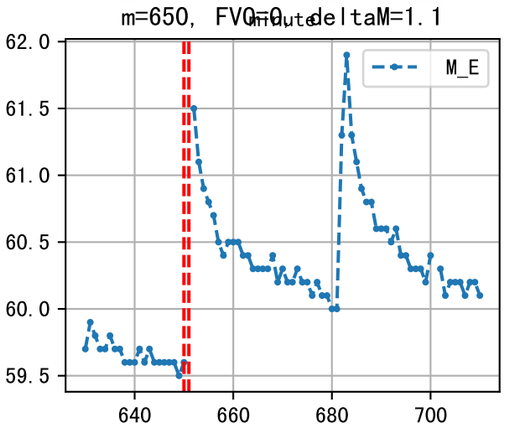

m=500, FV0=0, deltaM=0.0
M_E

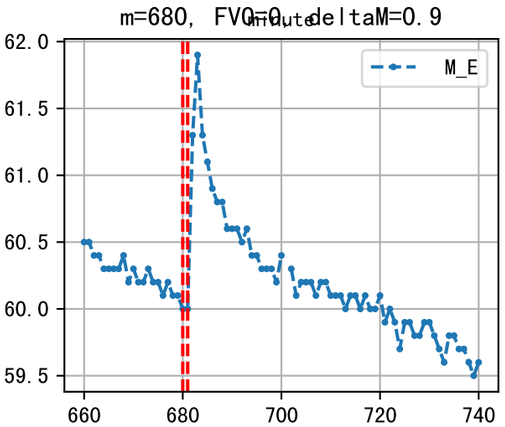

m=530, FV0=0, deltaM=2.1
M_E

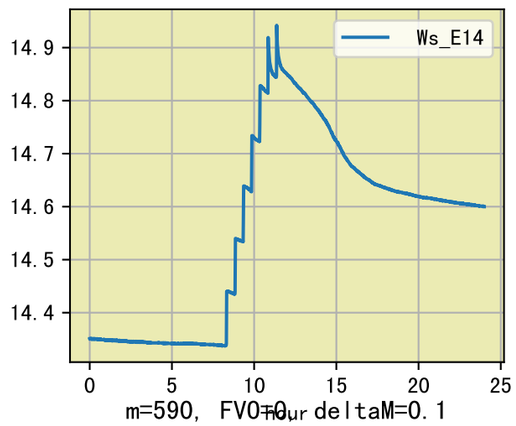

m=560, FV0=0, deltaM=2.1
M_E

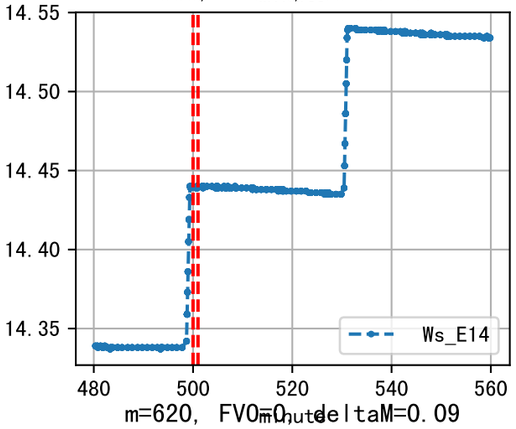

m=590, FV0=0, deltaM=2.1
M_E
minute

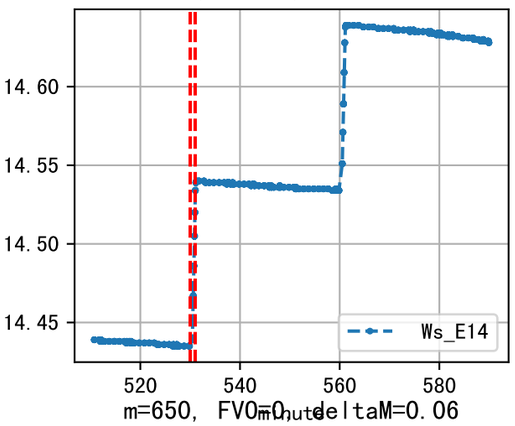

m=620, FV0=0, deltaM=2.1
M_E
minute

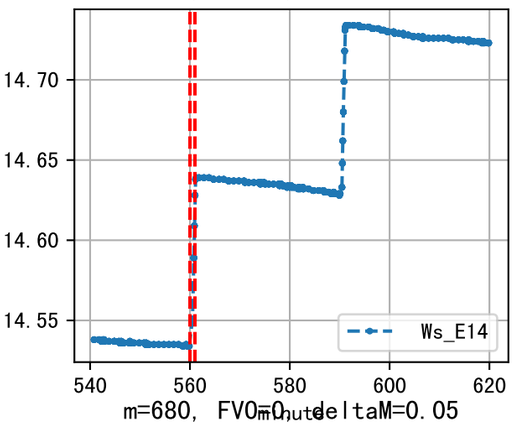

m=650, FV0=0, deltaM=1.1
M_E
minute

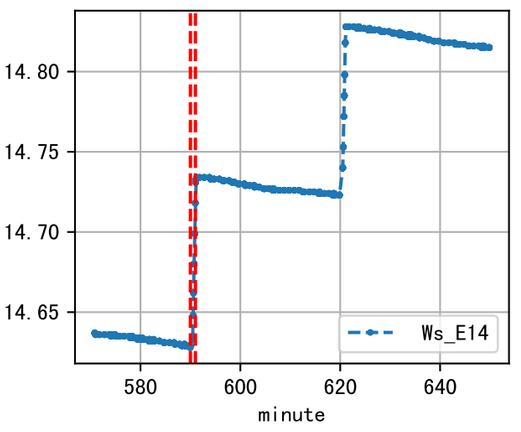

m=680, FV0=0, deltaM=0.9
M_E
minute

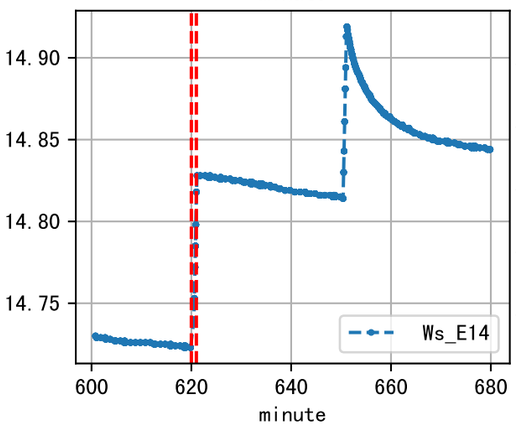

Ws_E14

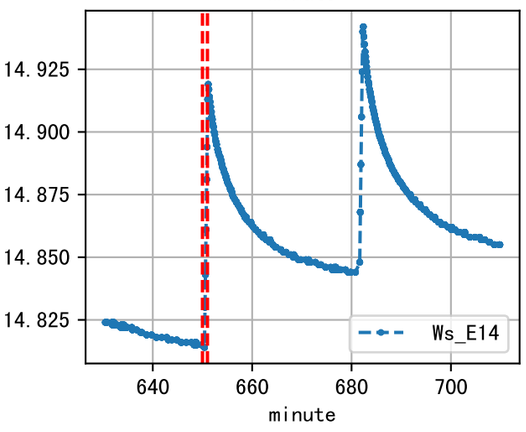

m=500, FV0=0, deltaM=0.0
Ws_E14

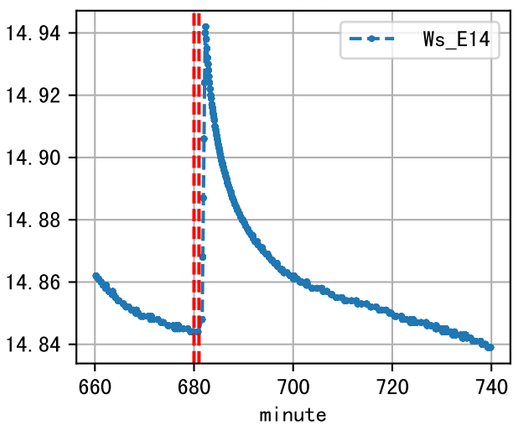

m=530, FV0=0, deltaM=0.1
Ws_E14


m=560, FV0=0, deltaM=0.09
Ws_E14


m=590, FV0=0, deltaM=0.1
Ws_E14
minute


m=620, FV0=0, deltaM=0.09
Ws_E14
minute


m=650, FV0=0, deltaM=0.06
Ws_E14
minute


m=680, FV0=0, deltaM=0.05
Ws_E14
minute