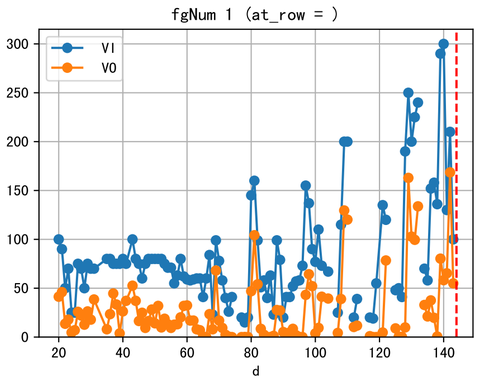
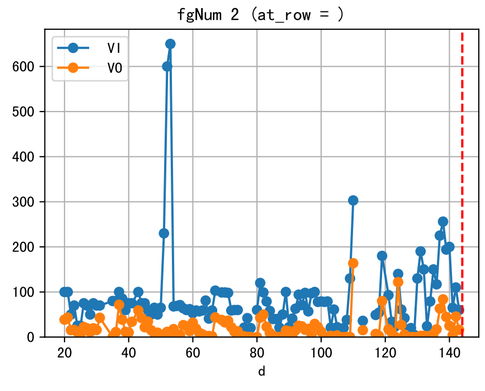
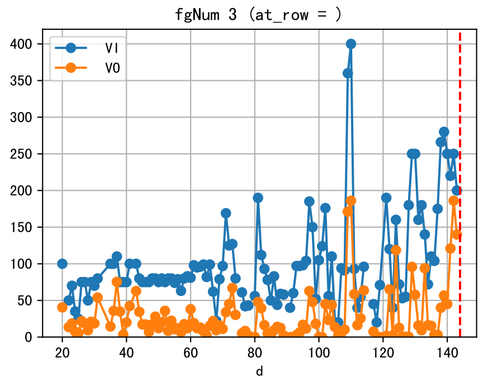
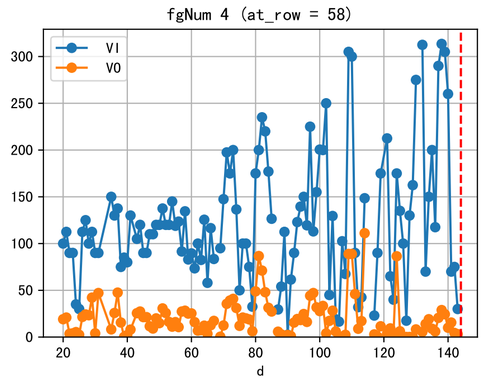
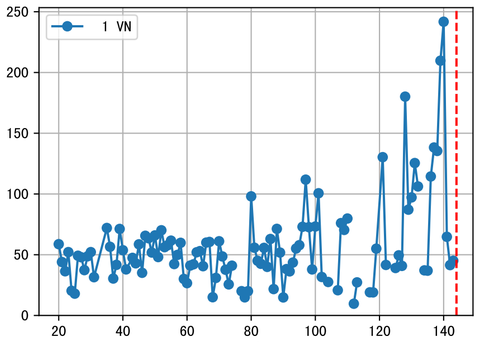
FgArea: ['4']
NJ15 L1
2026-02-27 (Day 144)

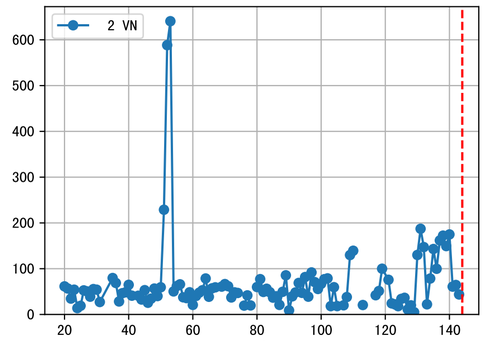

fgNum 1 (at_row =)
VI
VO
d

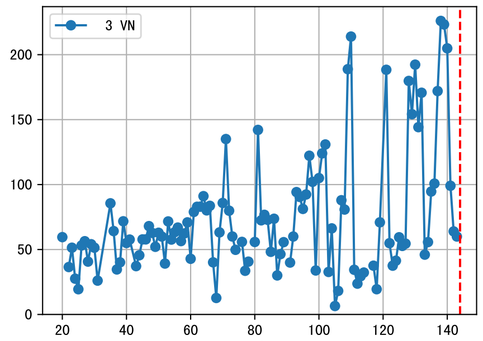

fgNum 2 (at_row =)
VI
VO
d

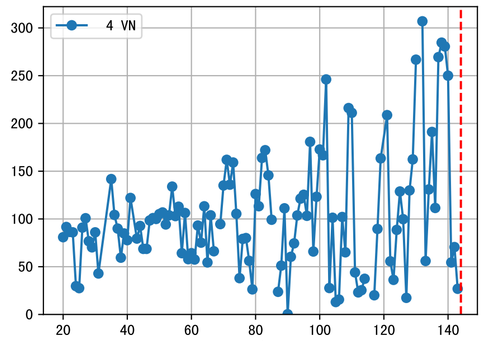

fgNum 3 (at_row =)
VI
VO
d

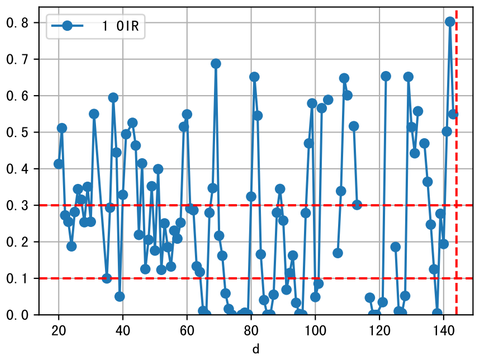

fgNum 4 (at_row = 58)
VI
VO
d

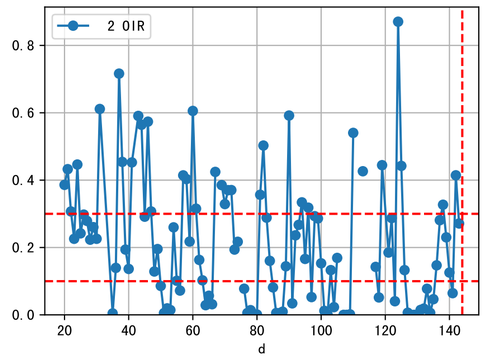

1 VN
d

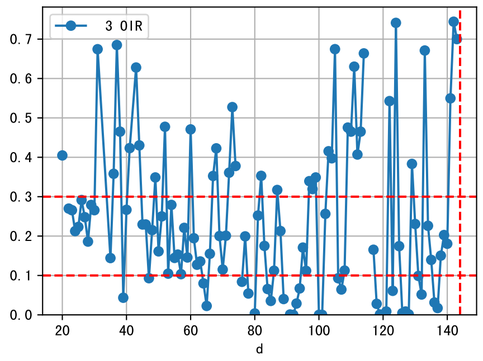

2 VN
d

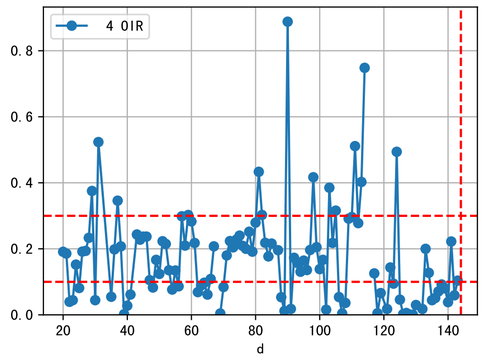

3 VN
d

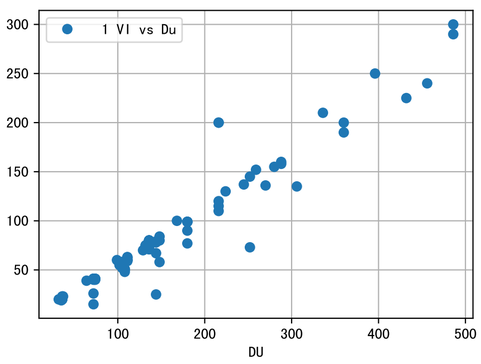

4 VN
d

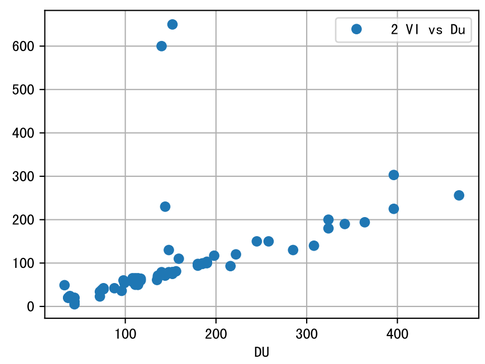

1 OIR
d

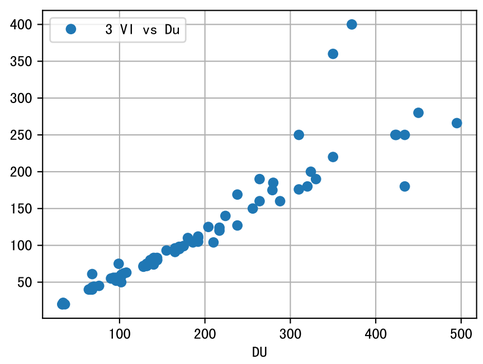

2 OIR
d

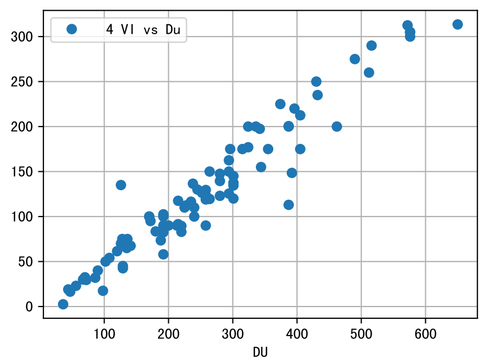

3 OIR
d

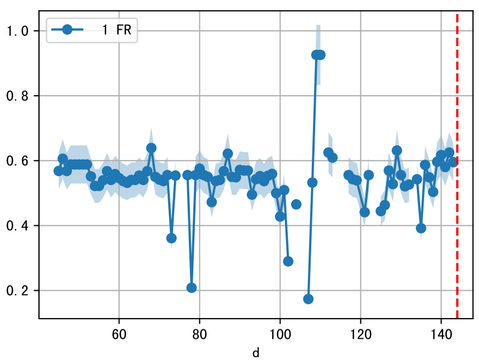

4 OIR
d

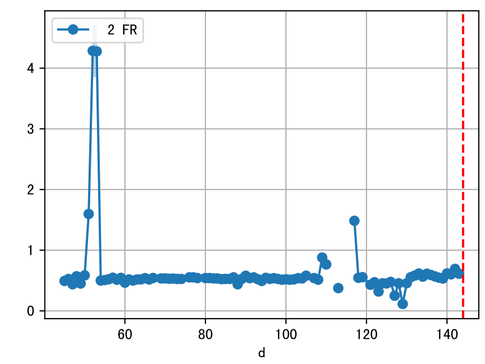

1 VI vs Du
DU

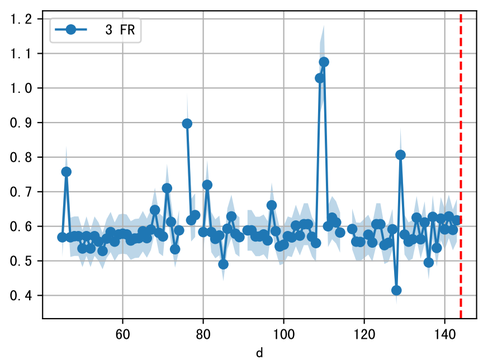

2 VI vs Du
DU

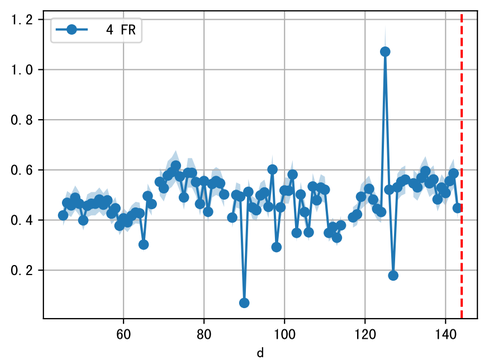

3 VI vs Du
DU

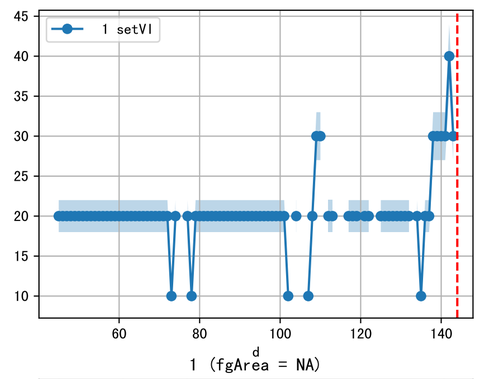

4 VI vs Du
DU

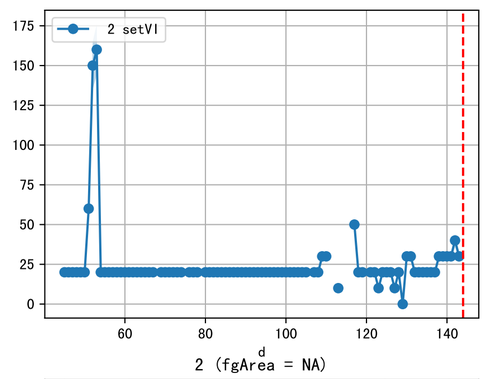

1 FR
d

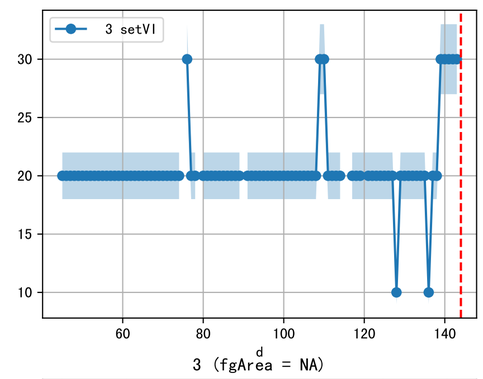

2 FR
d

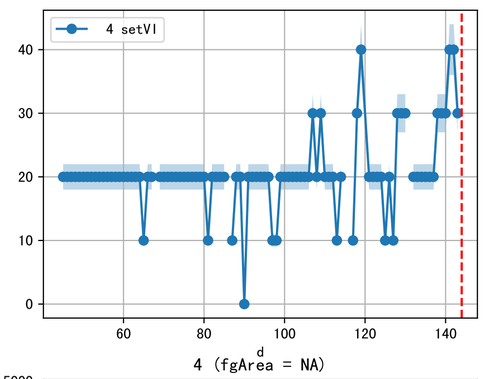

3 FR
d

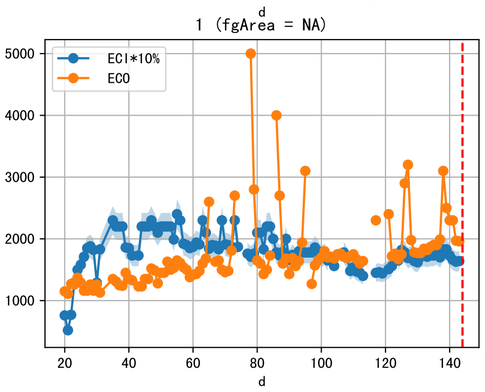

4 FR
d

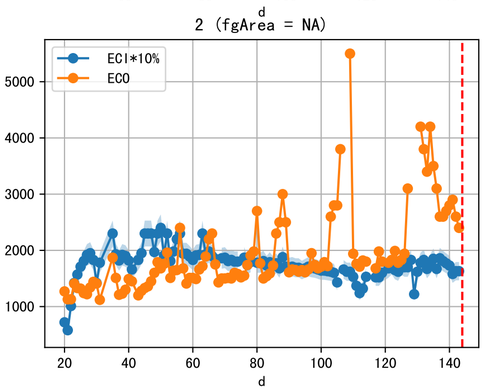

1 setVI
d

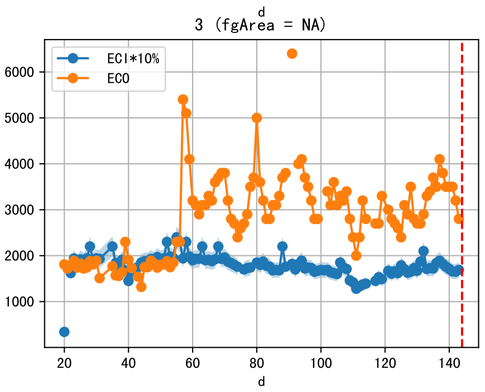

2 setVI
d

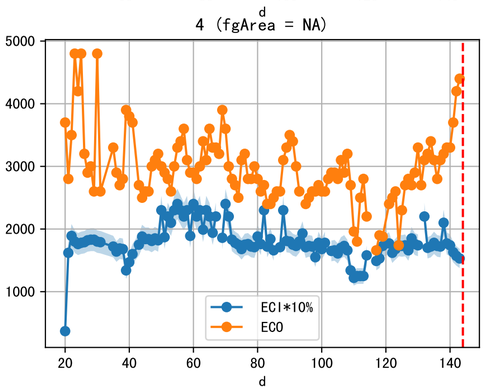

3 setVI
d

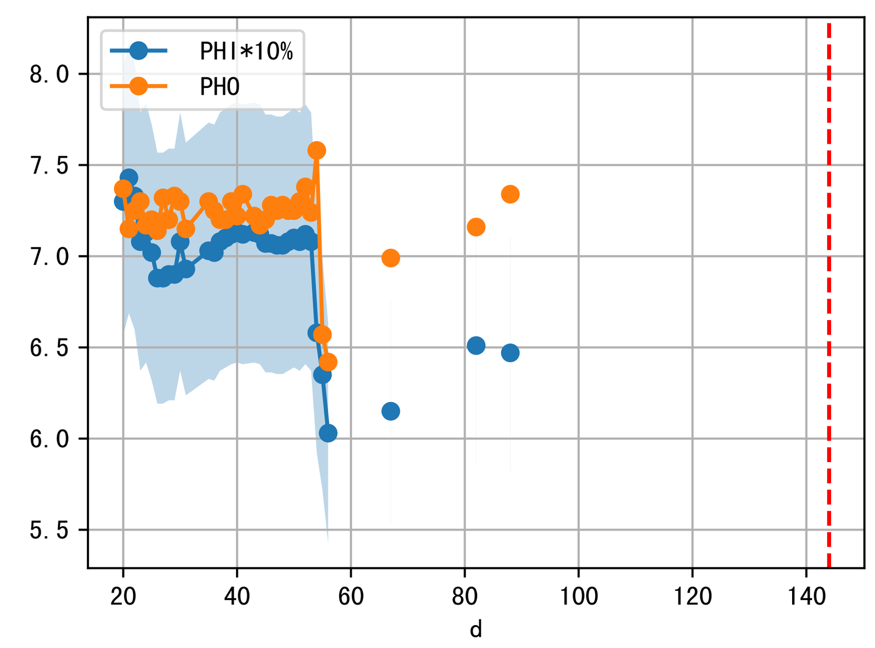
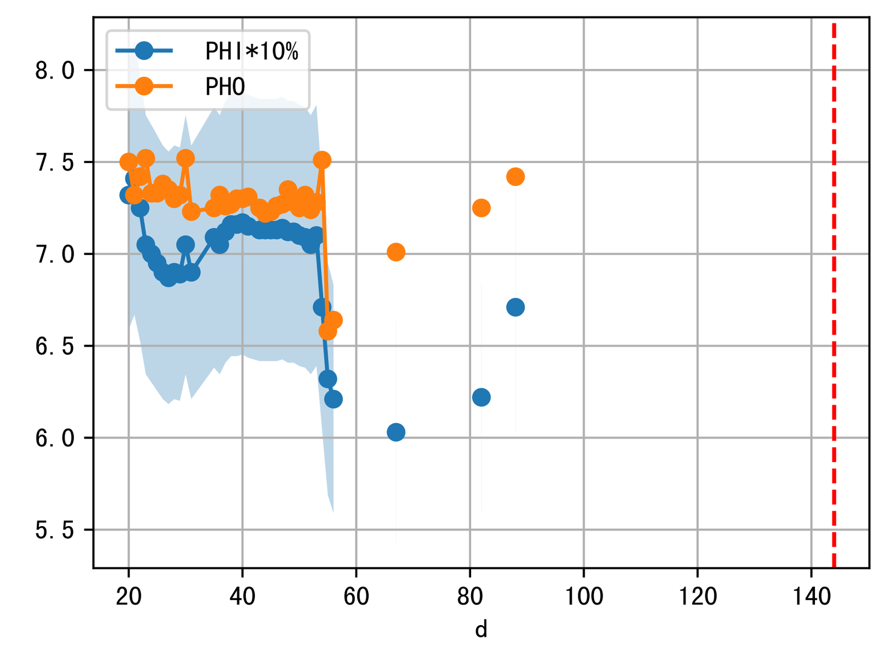
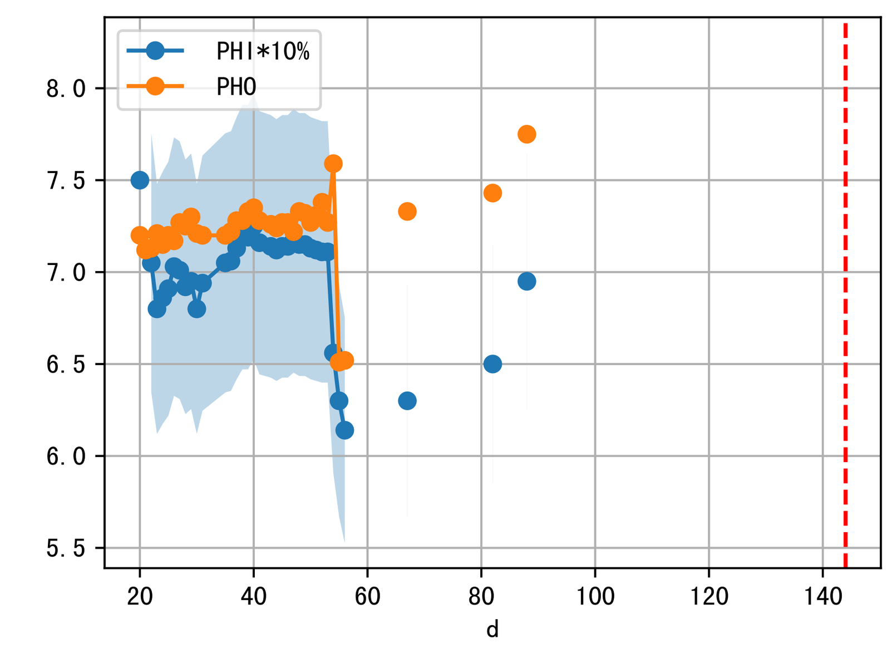
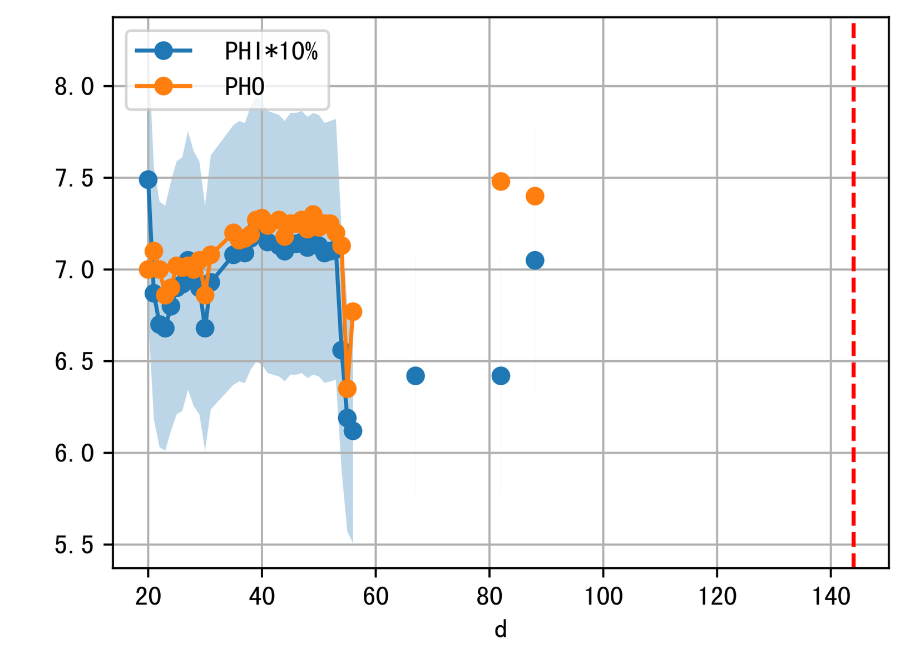

4 setVI
d

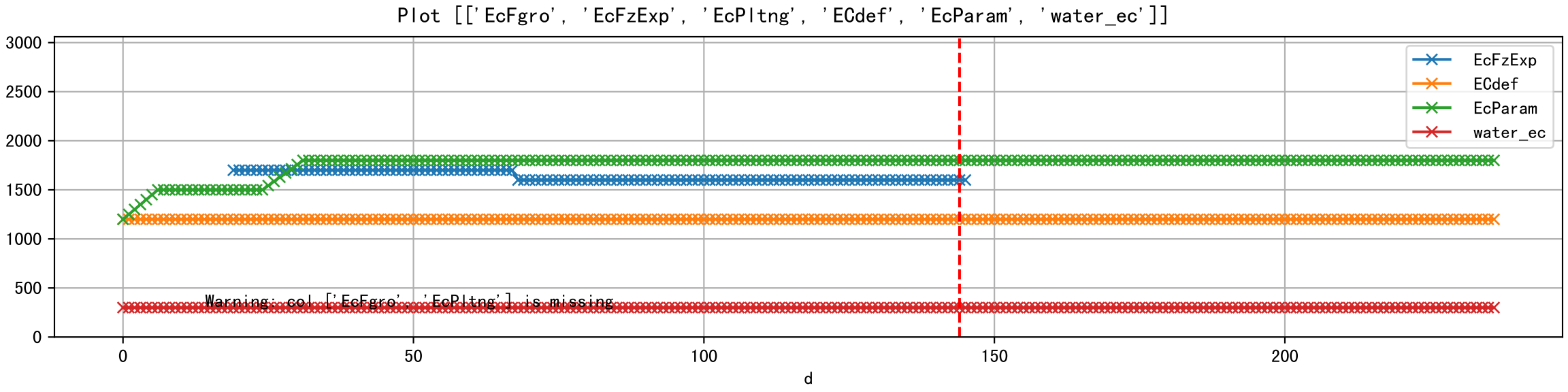

1 (fgArea = NA)
ECI*10%
ECO
d

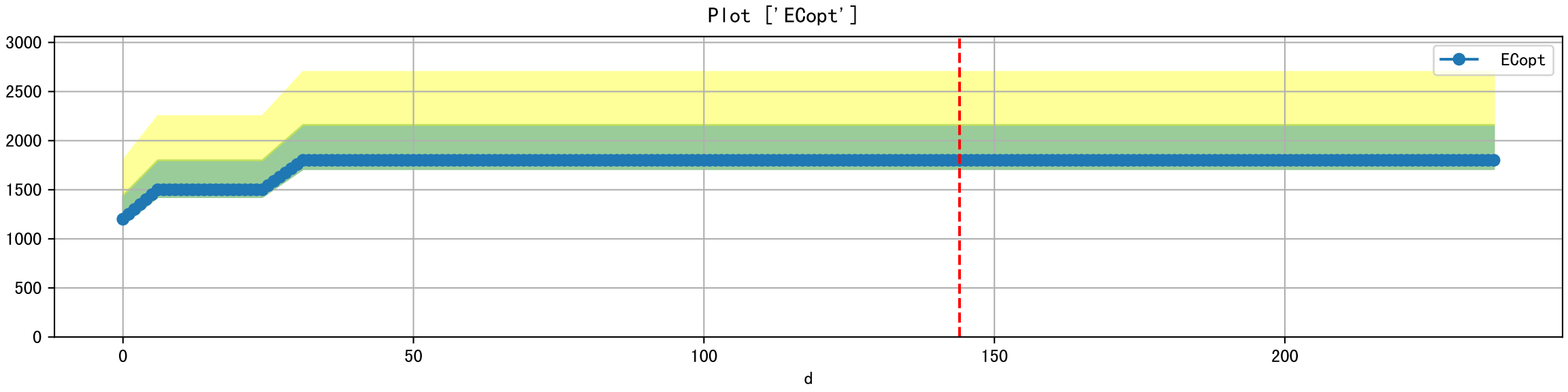

2 (fgArea = NA)
ECI*10%
ECO
d

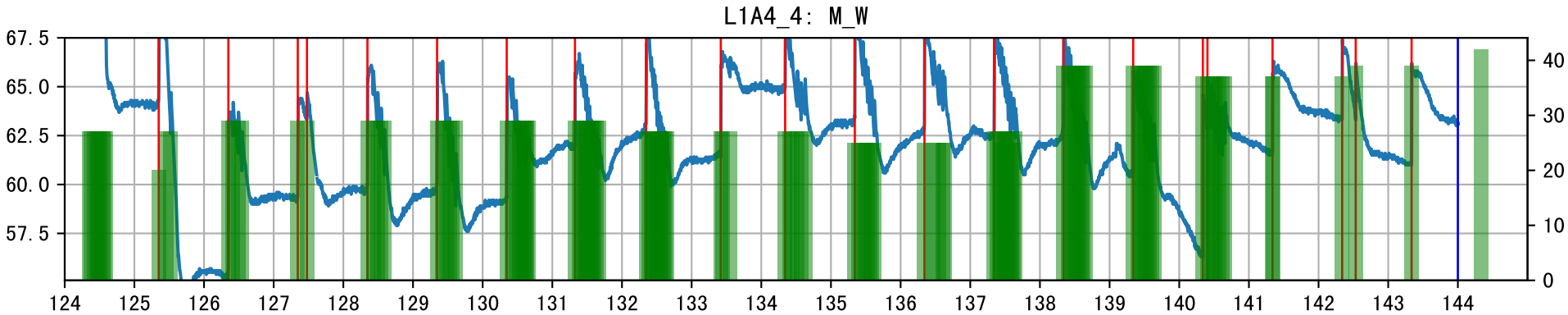

3 (fgArea = NA)
ECI*10%
ECO
d


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

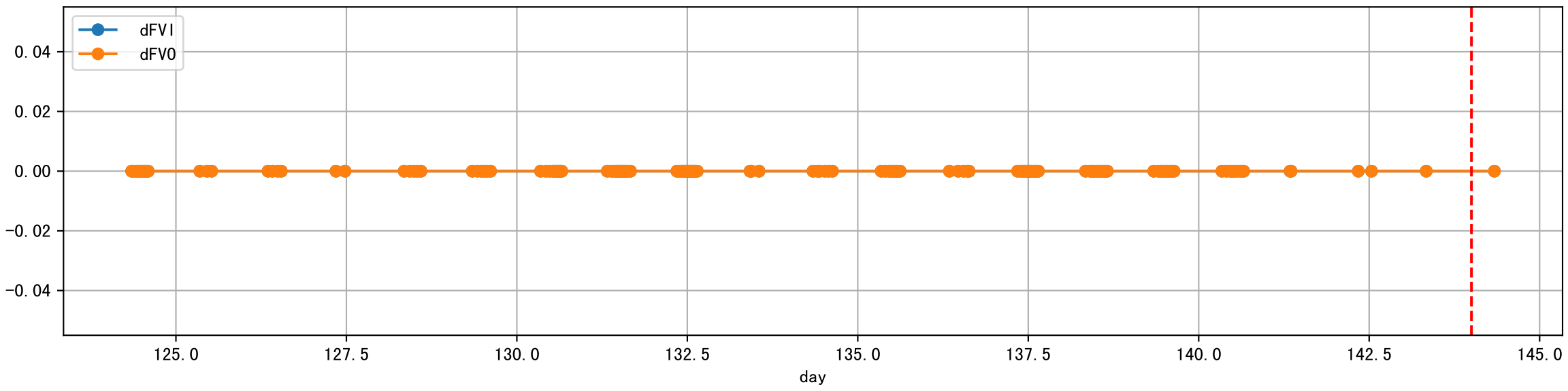

PHI*10%
PHO
d

PHI*10%
PHO
d

PHI*10%
PHO
d

PHI*10%
PHO
d

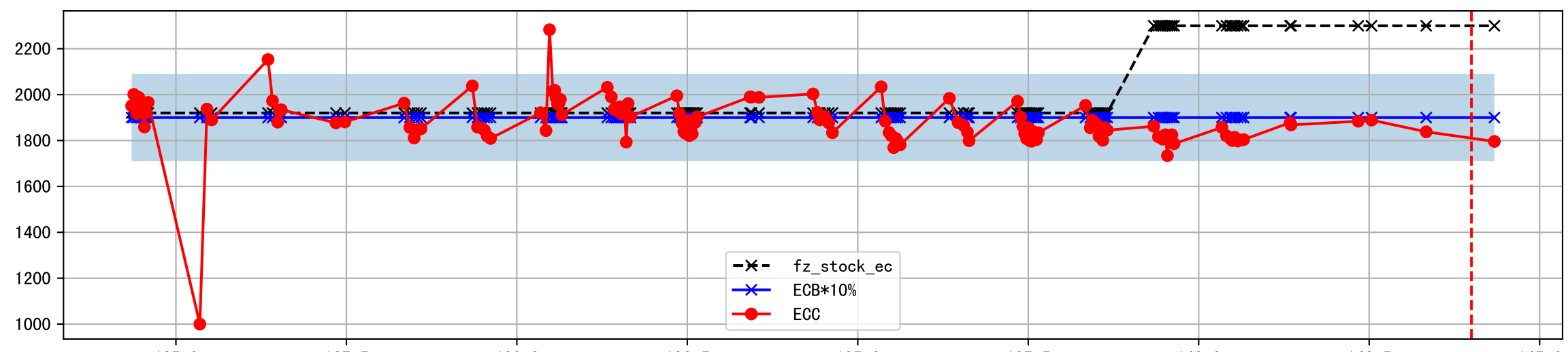

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

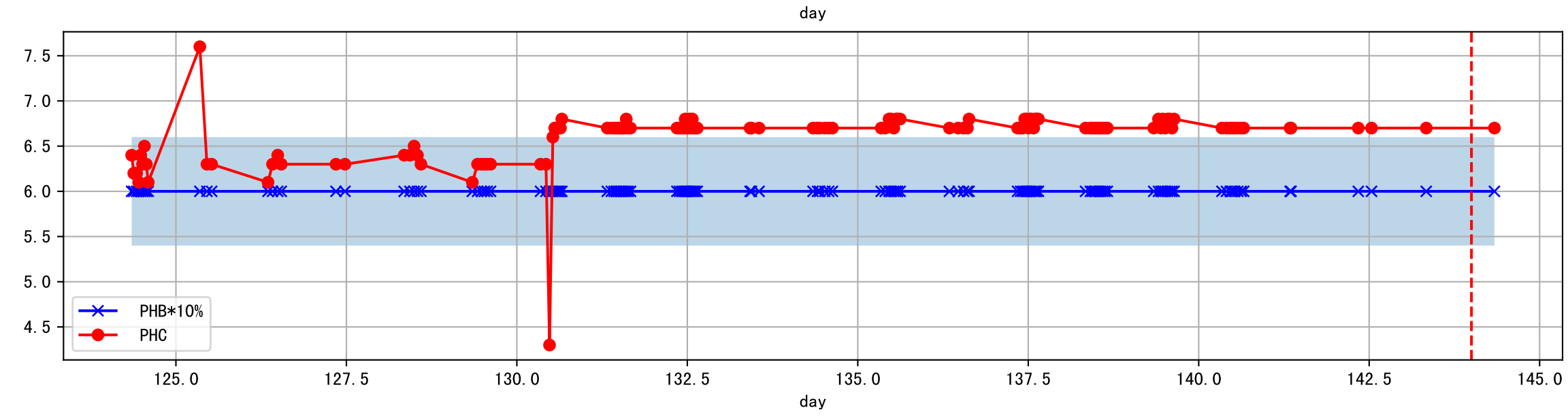

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

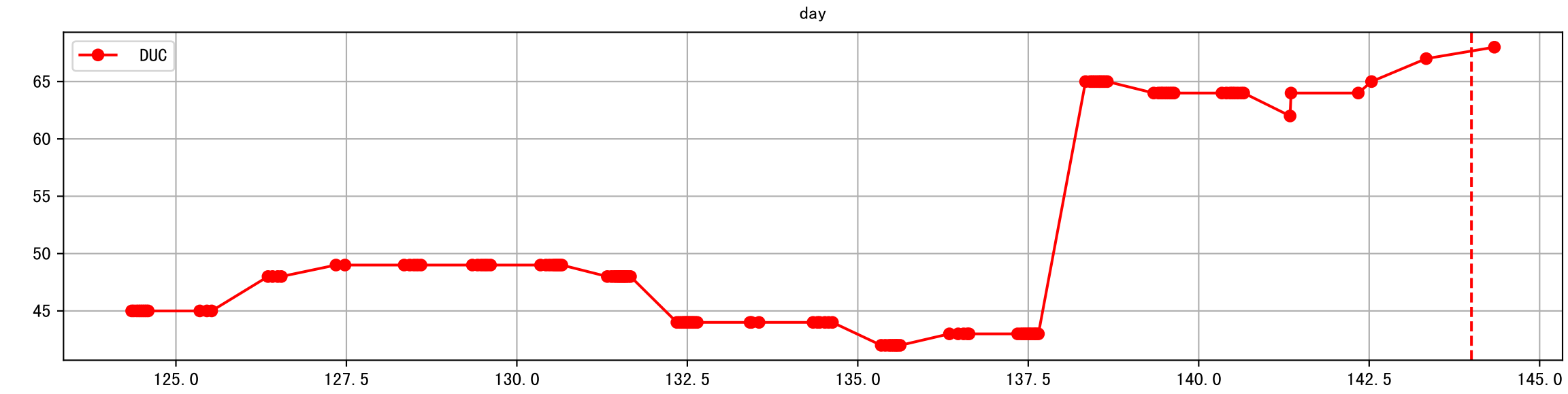

L1A4_4: M_W
67.5
65.0
62.5
60.0
57.5
40
30
20
10
0
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144

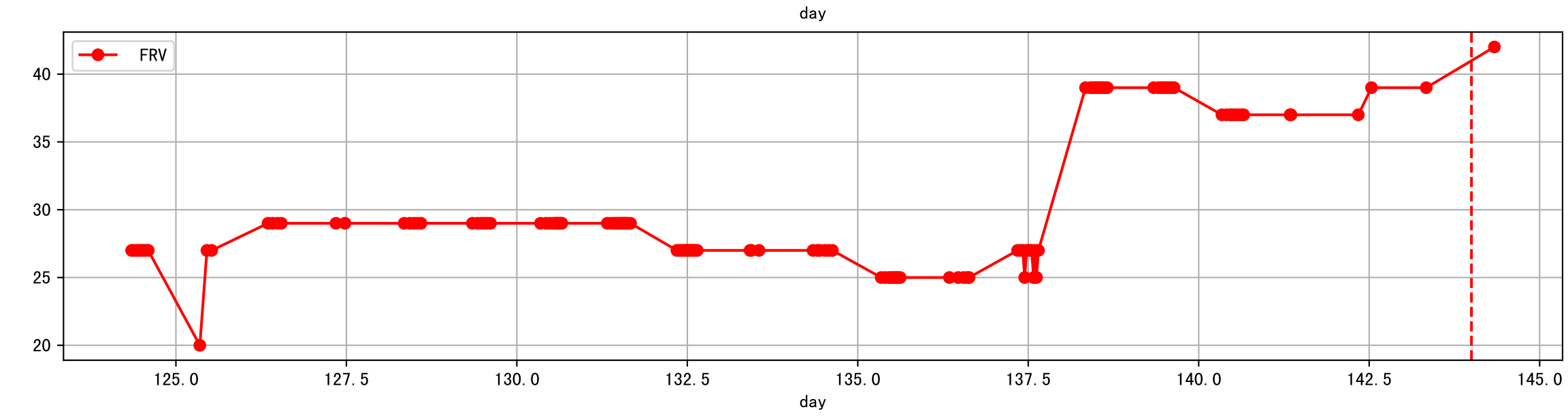
Plot Sensor and FgRec Data

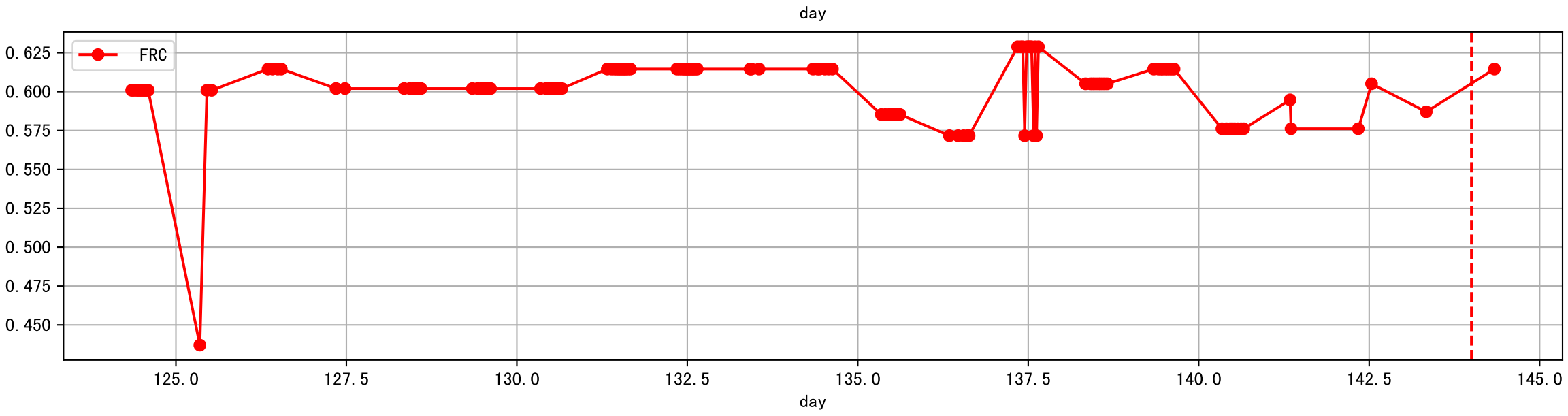


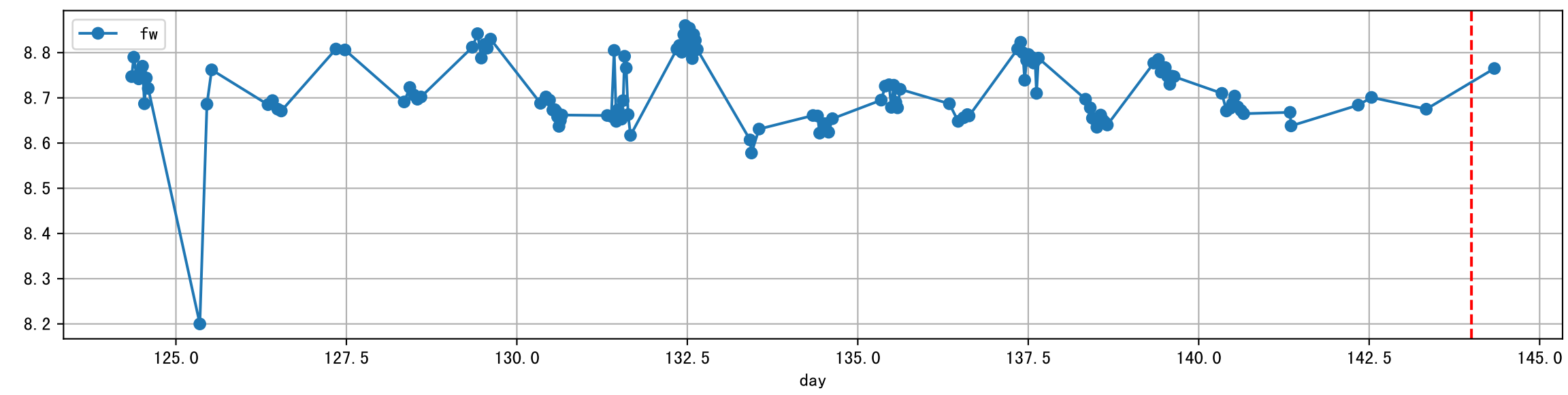


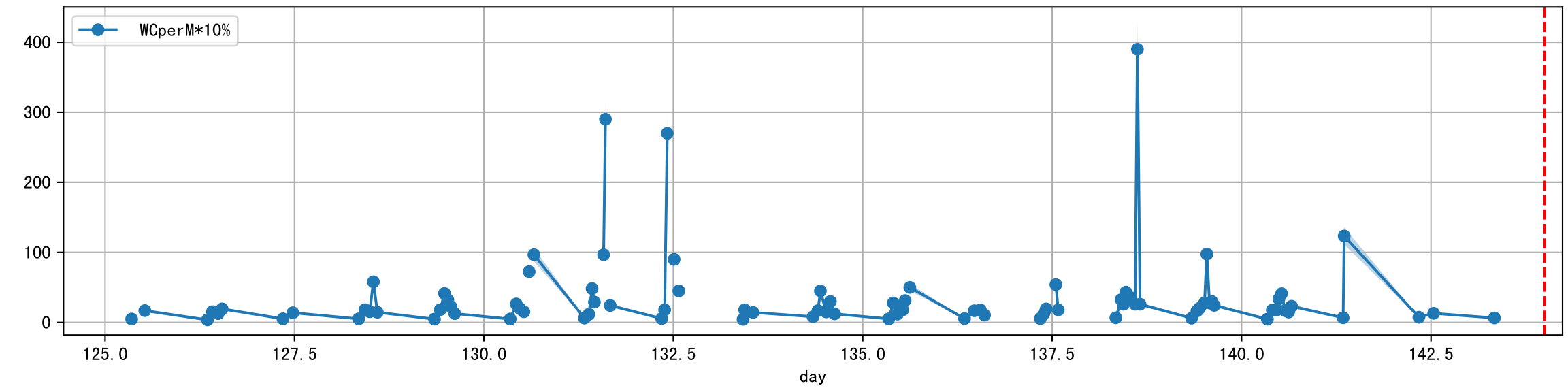


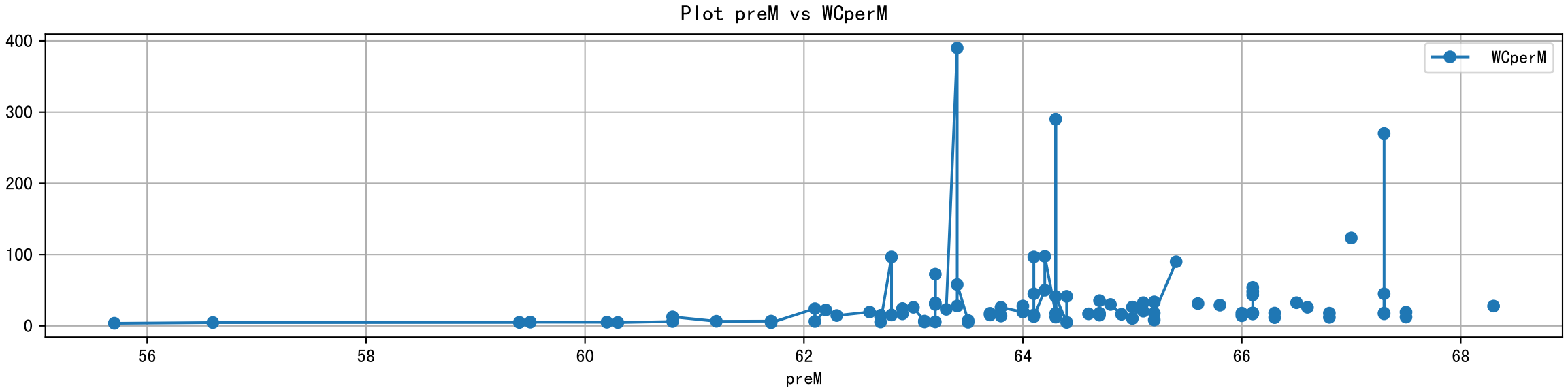


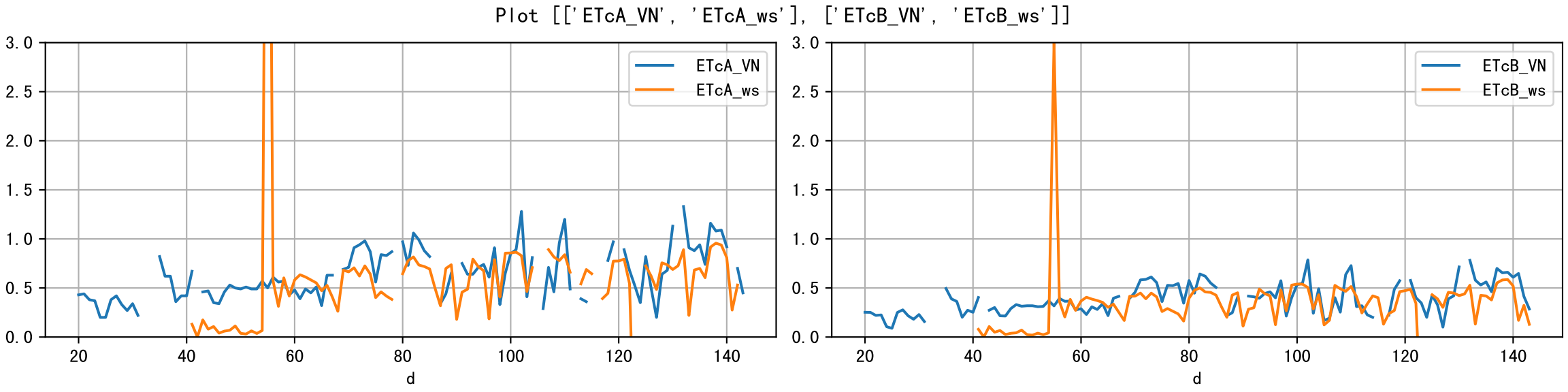


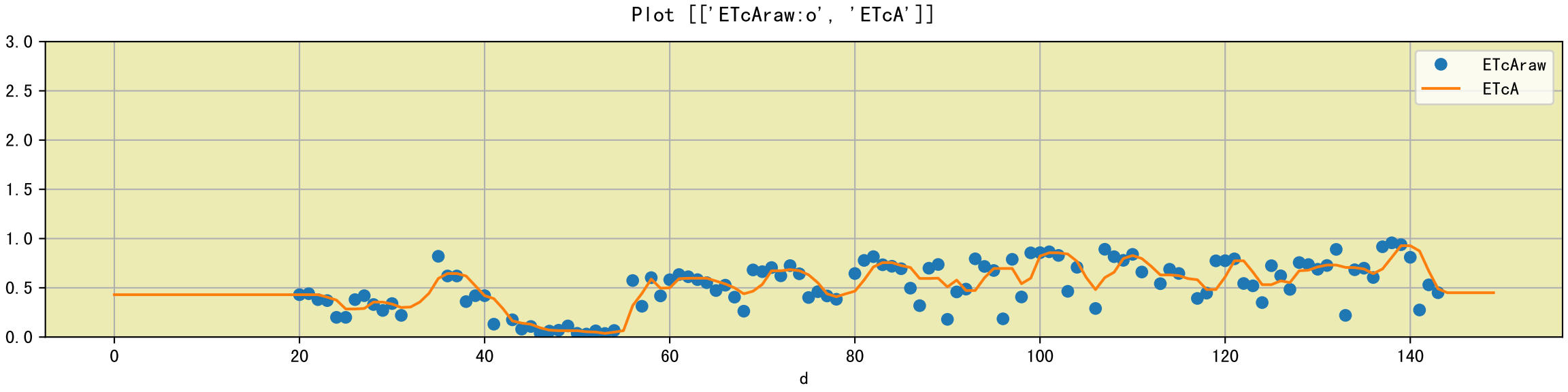


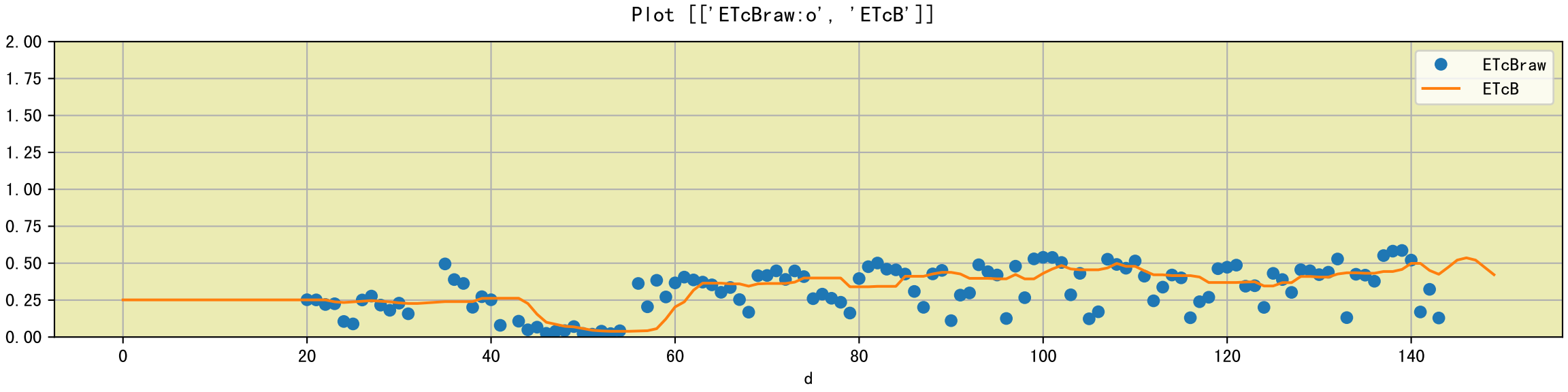




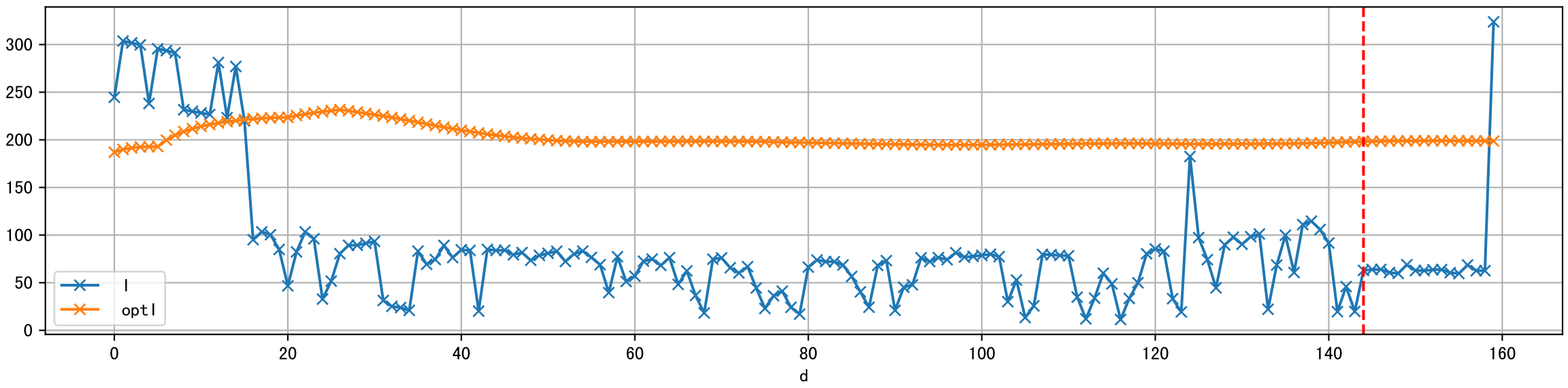

Plot preM vs WCperM
WCperM
400
300
200
100
0
56
58
60
62
64
66
68
preM

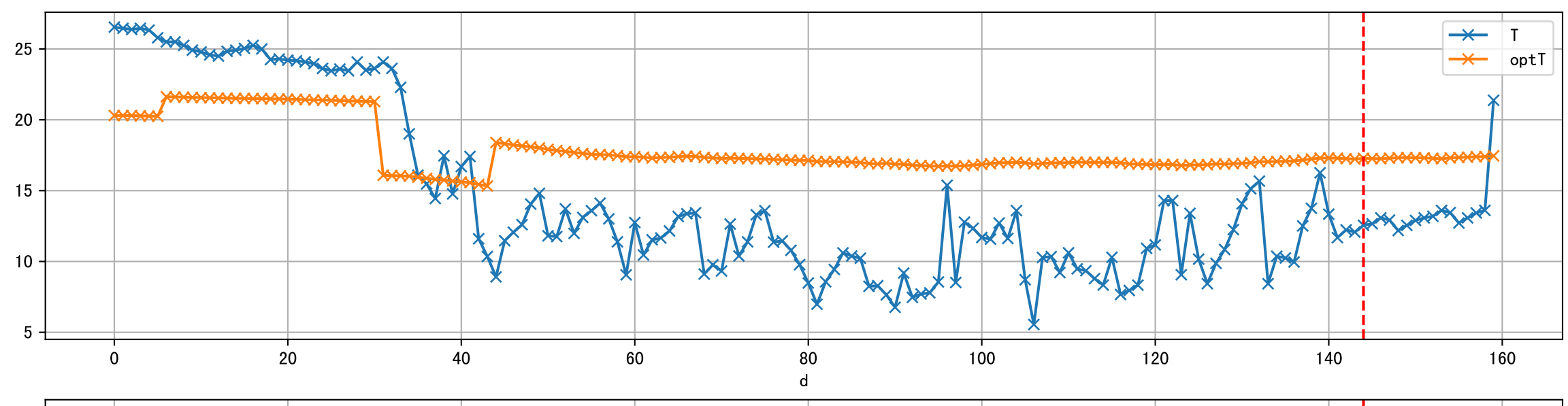

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
140
d

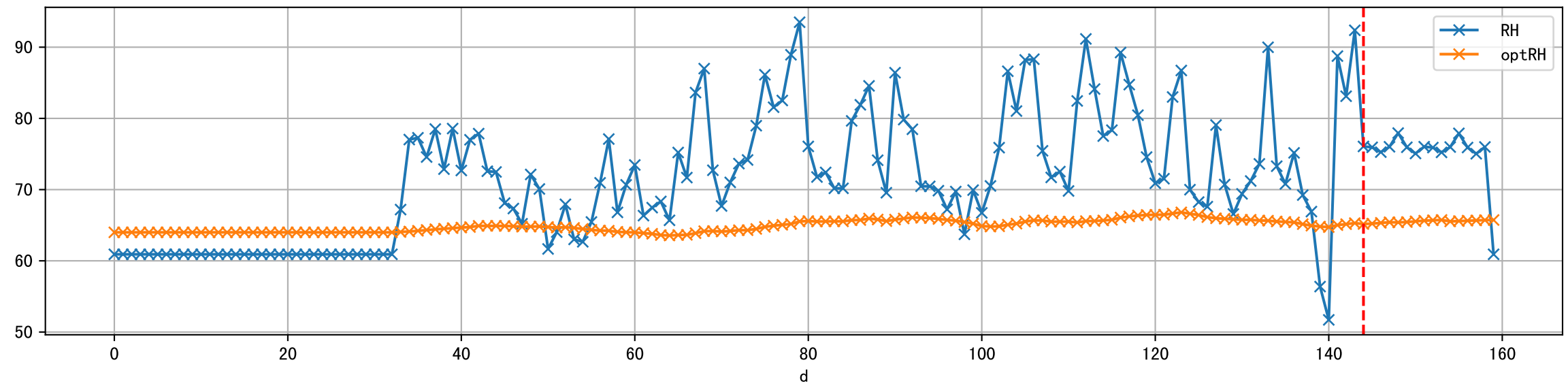

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

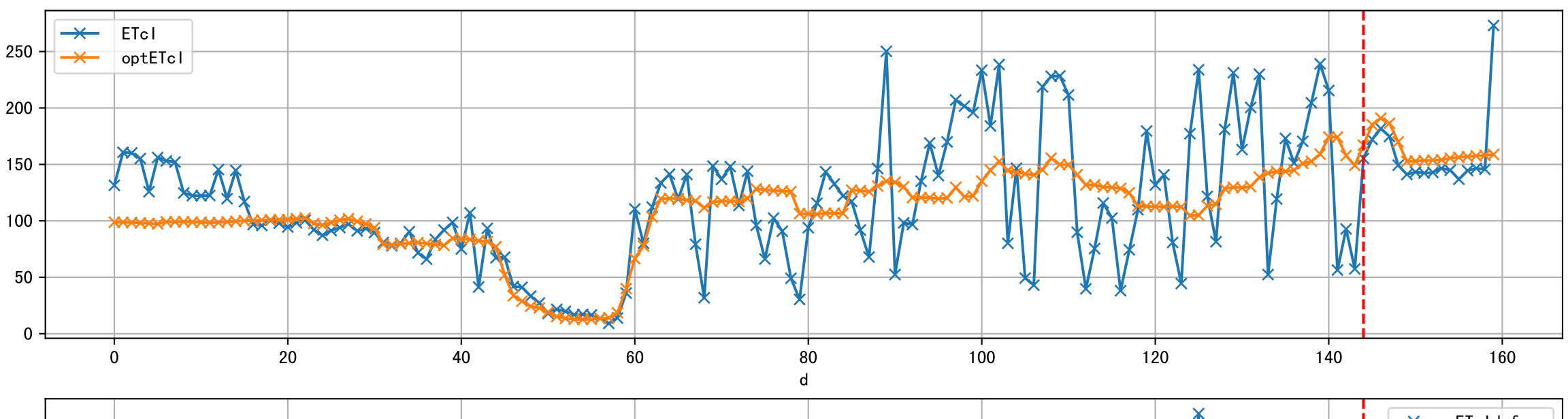

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

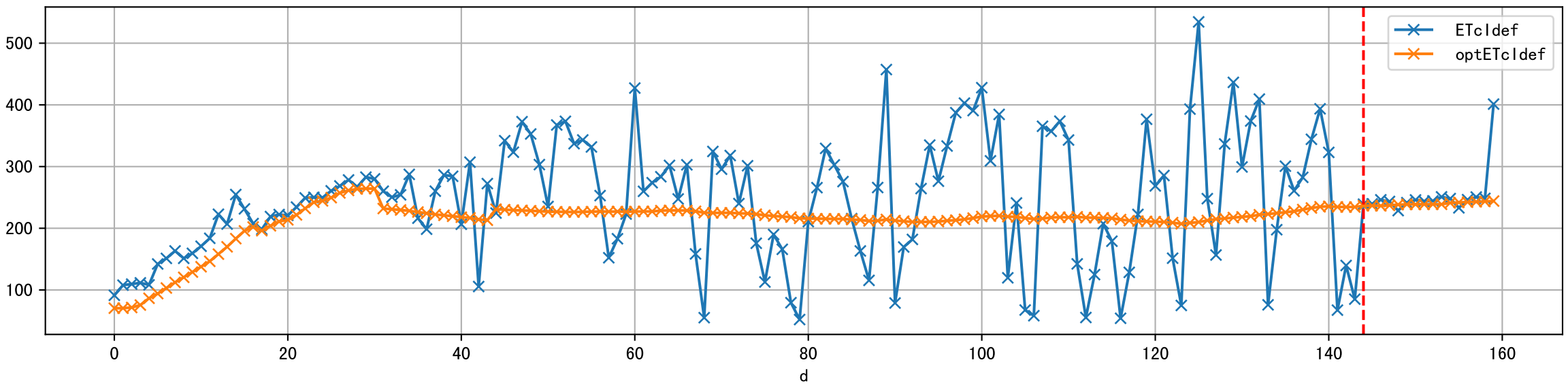
I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['EToI', 'optEToI'], 'LAI', ['optEtRate', 'optEtRateDef', '

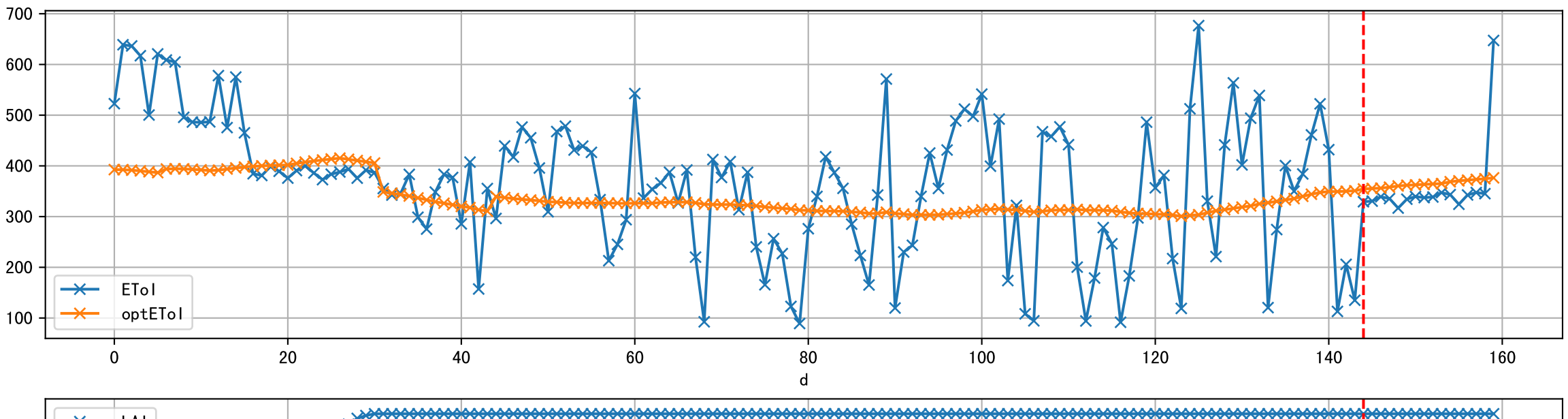


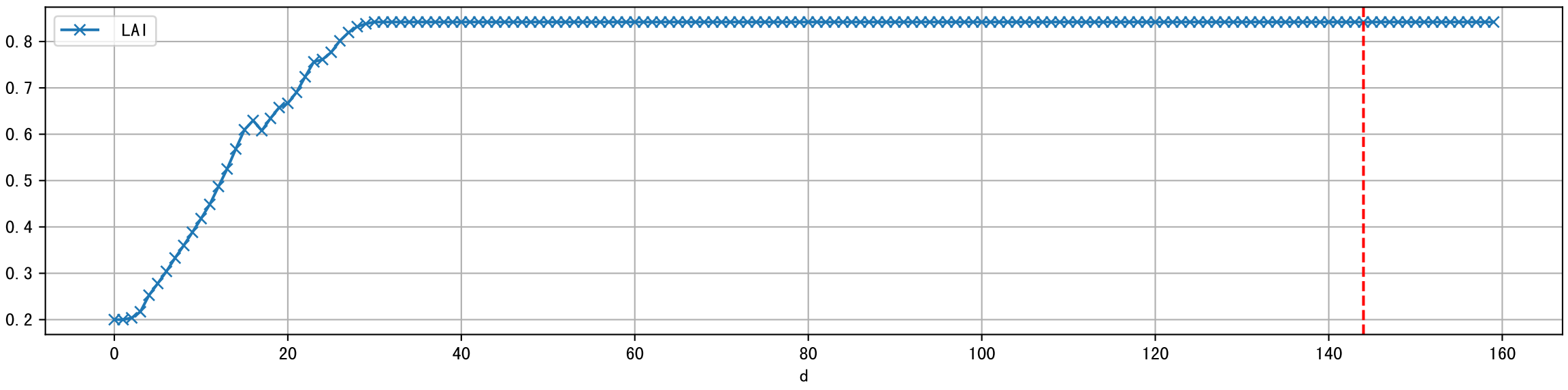


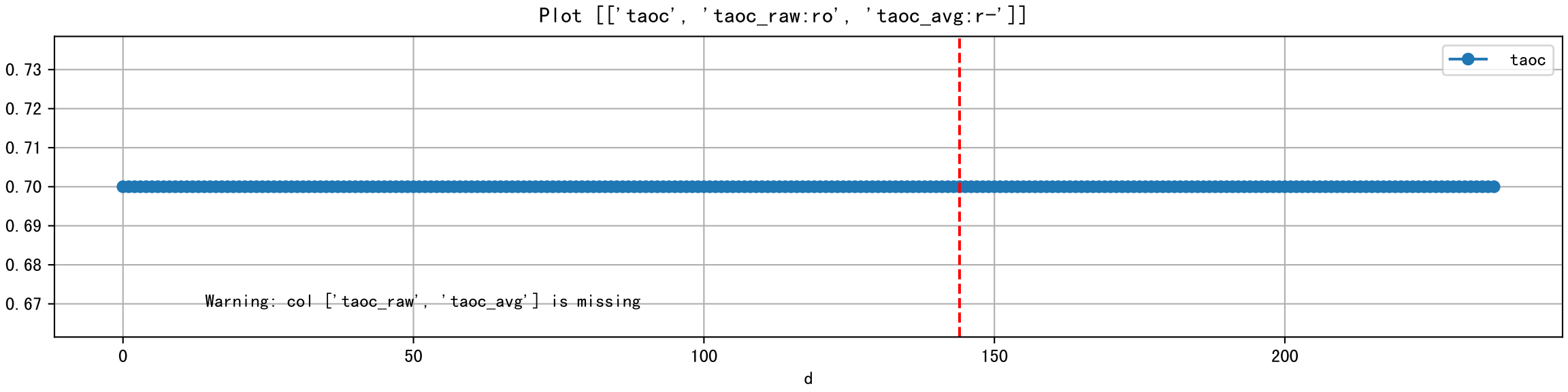


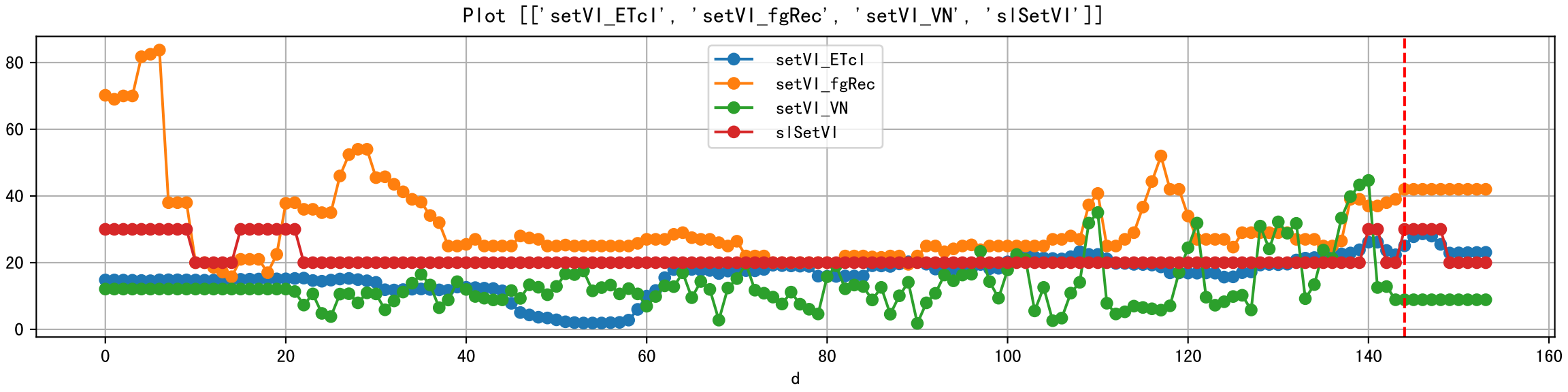


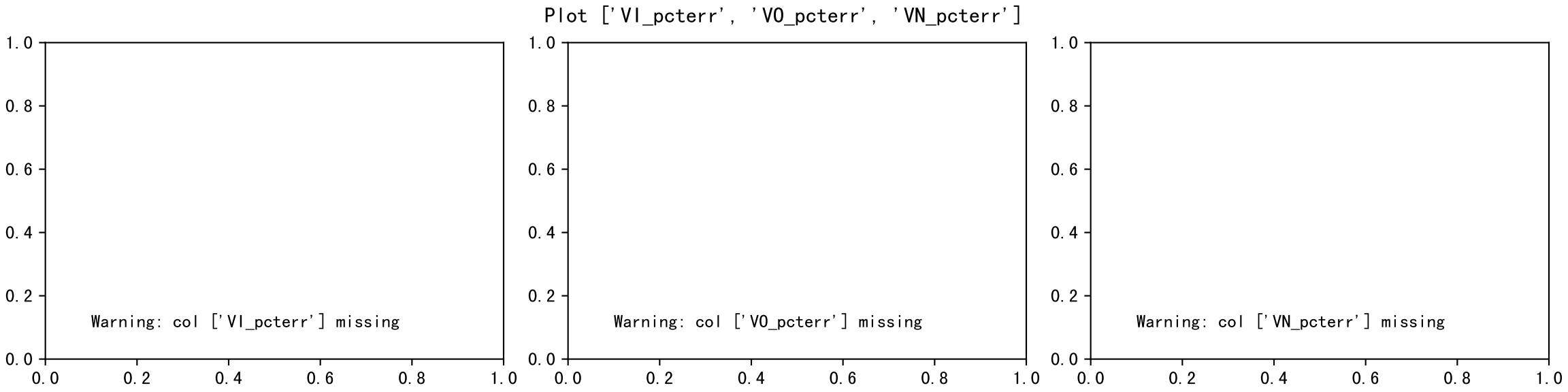


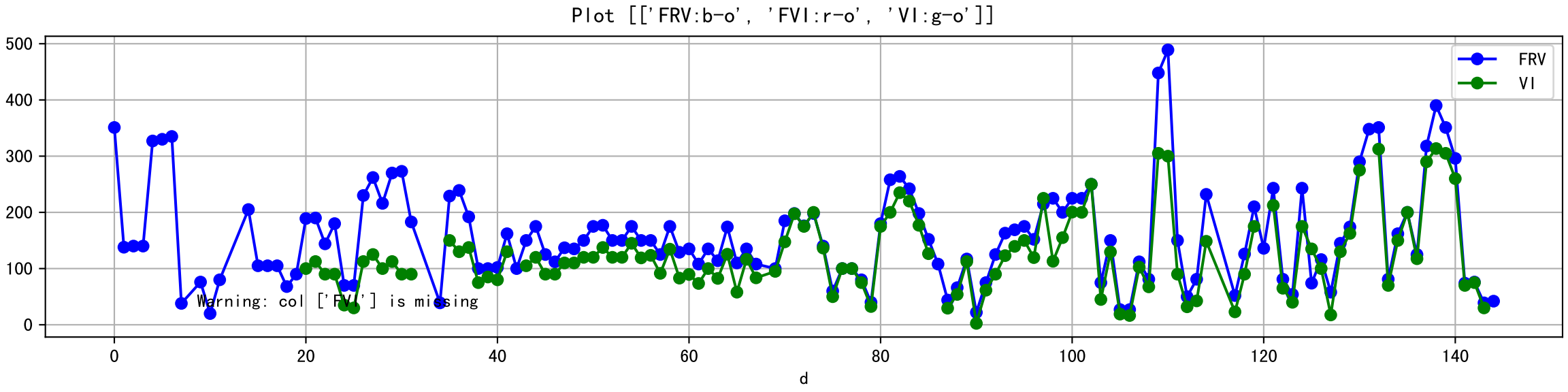


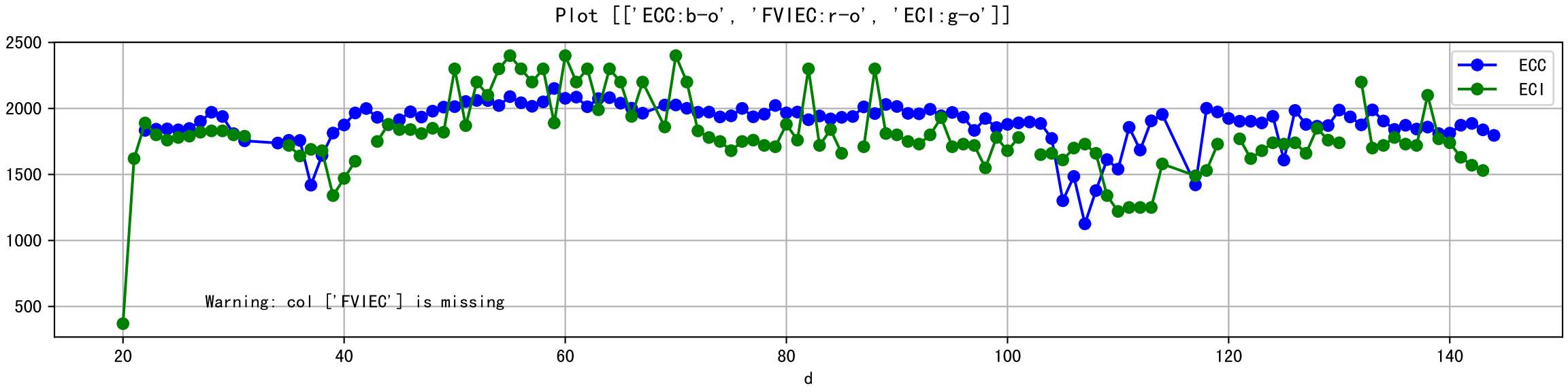


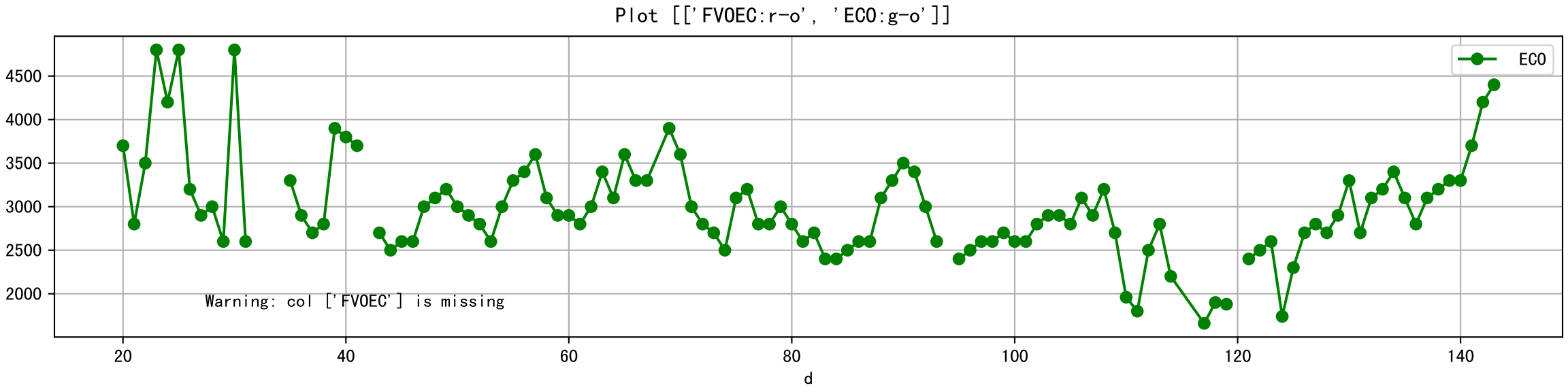

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

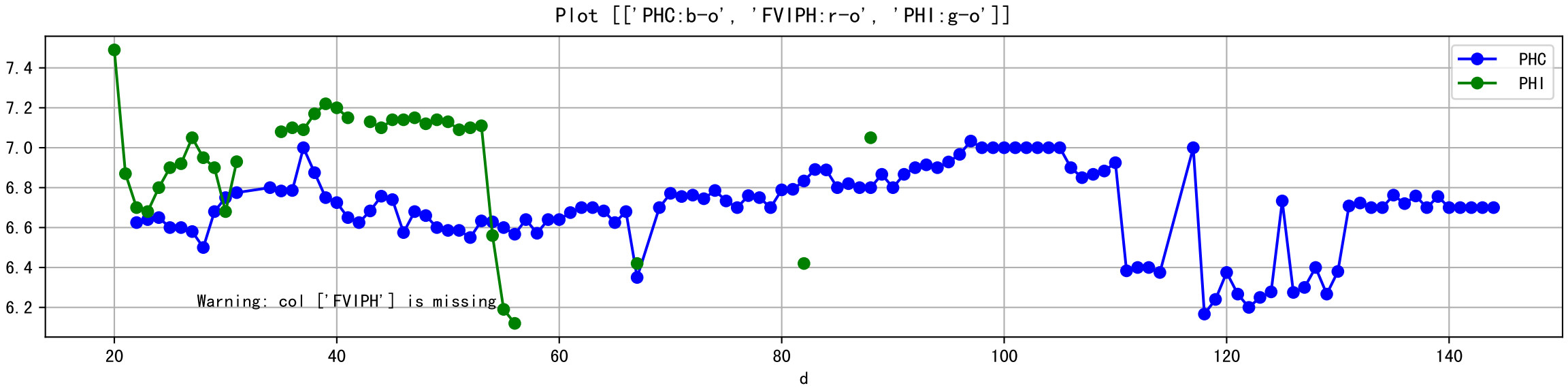

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
20
40
60
80
100
120
140
160
d

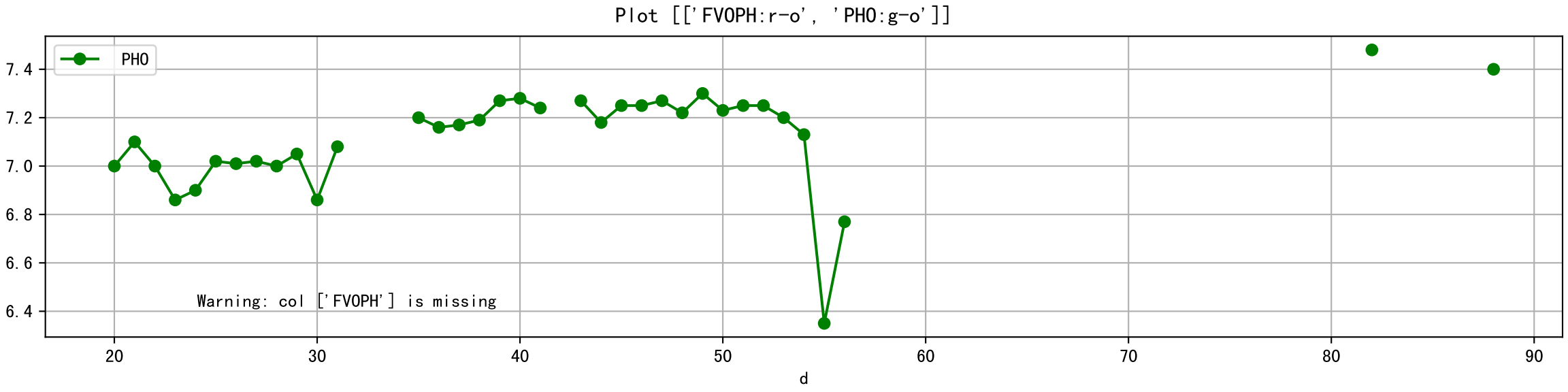

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

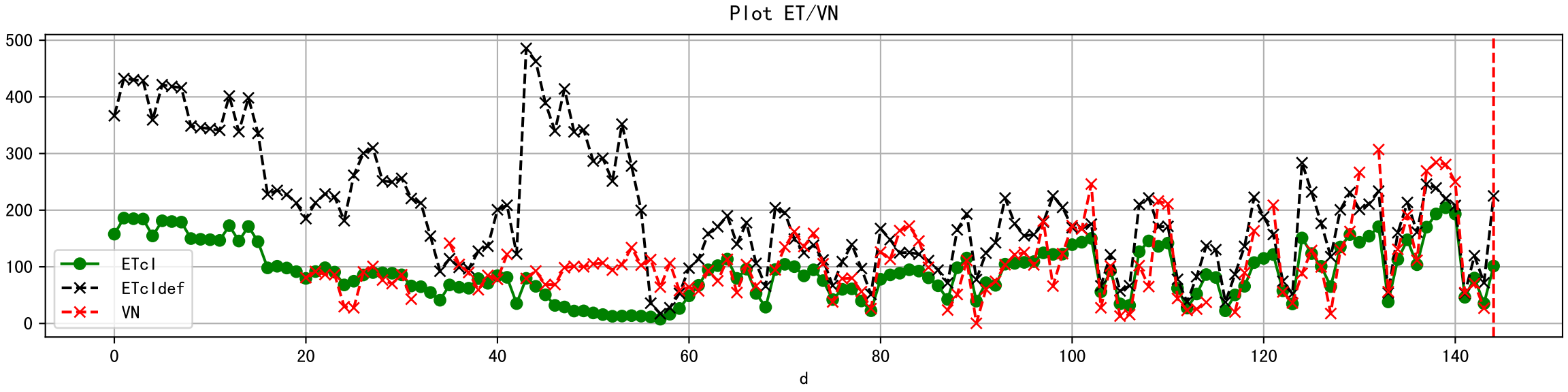

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
500
400
300
200
100
0
0
20
40
60
80
100
120
140
d


Plot [['ECC:b-o', 'FVIEC:r-o', 'ECI:g-o']]
2500
2000
1500
1000
500
20
40
60
80
100
120
140
d
ECC
ECI
Warning: col ['FVIEC'] is missing

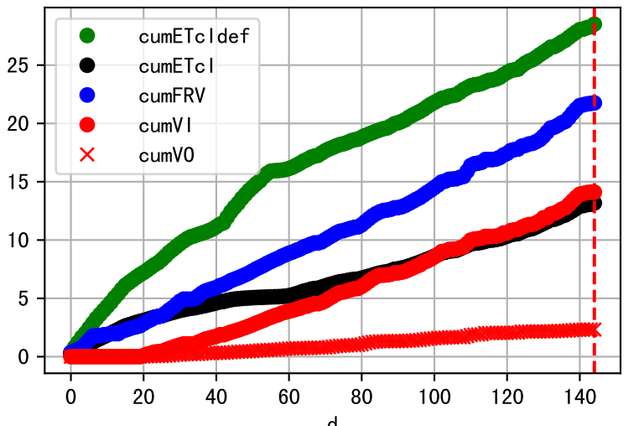

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
4500
4000
3500
3000
2500
2000
20
40
60
80
100
120
140
d

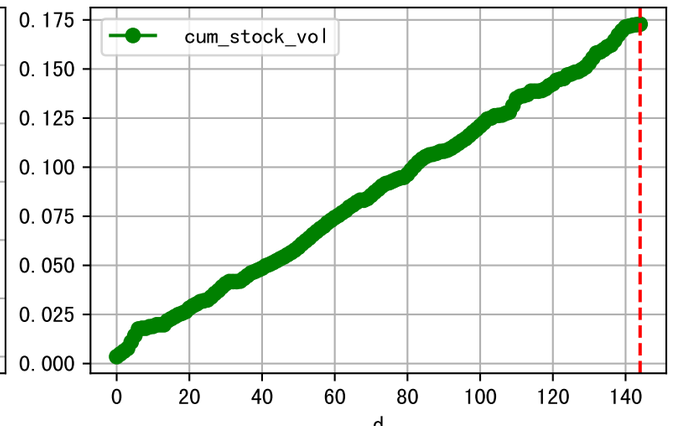

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
140
d

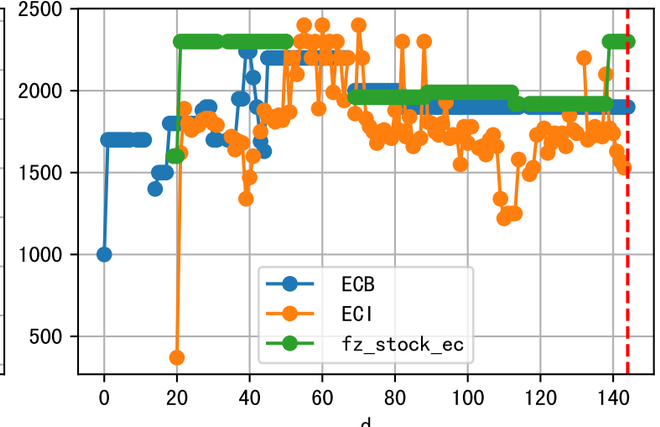

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
7.4
7.2
7.0
6.8
6.6
6.4
Warning: col ['FVOPH'] is missing
20
30
40
50
60
70
80
90
d

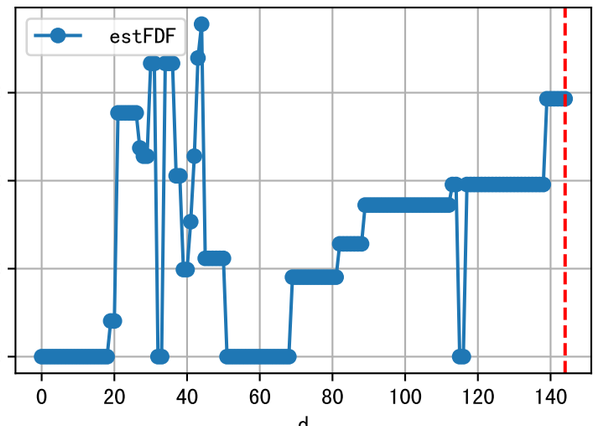

Plot ET/VN
ETcl
ETcldef
VN
d
0
20
40
60
80
100
120
140
0
100
200
300
400
500

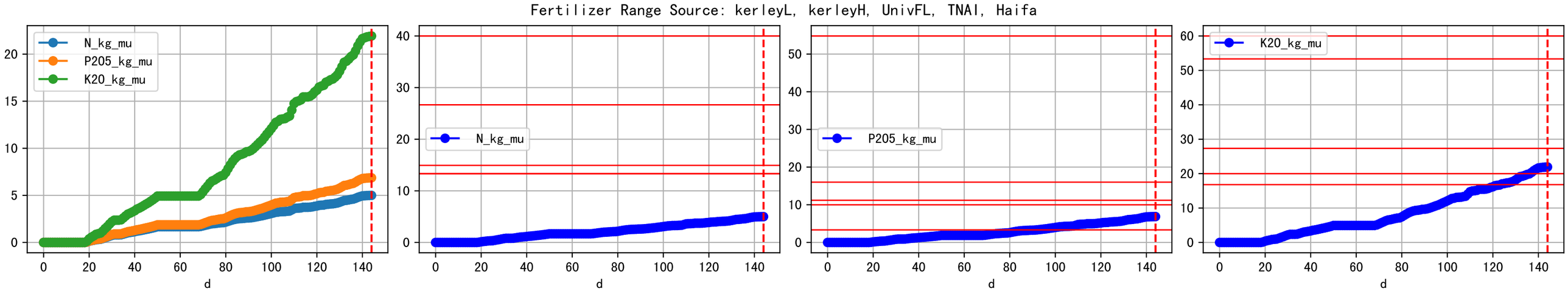
Plot Fv and fertilizer usage

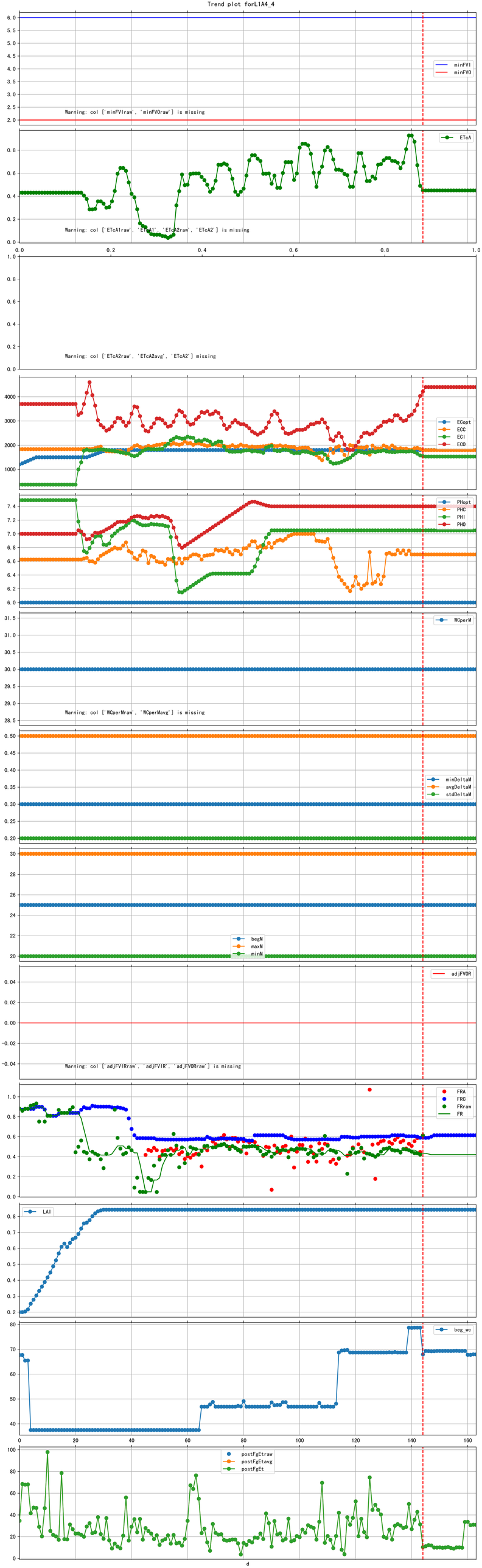


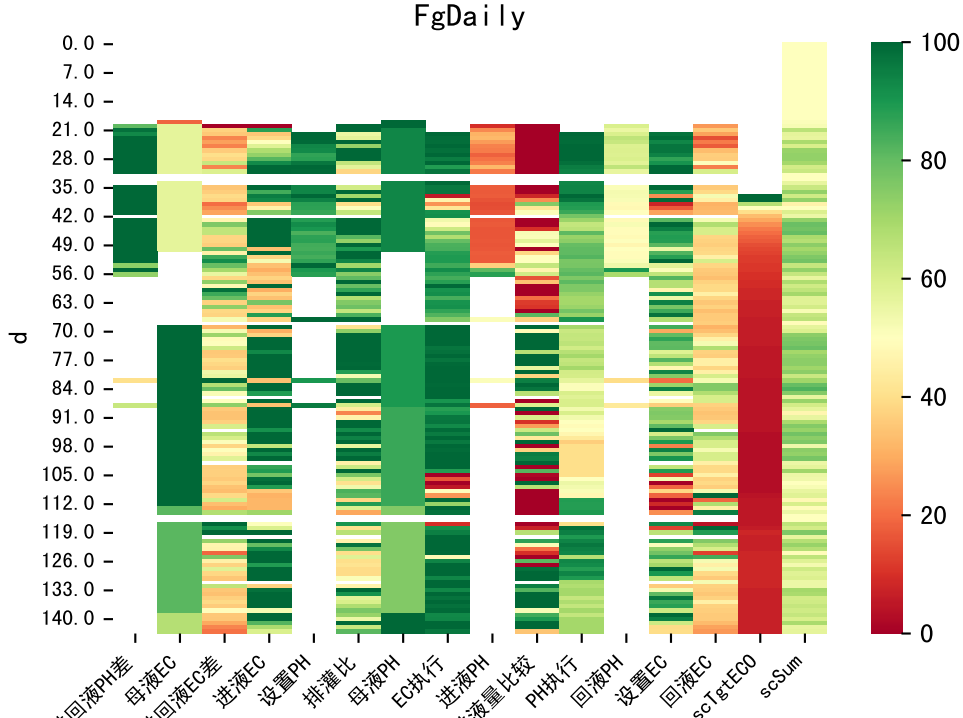




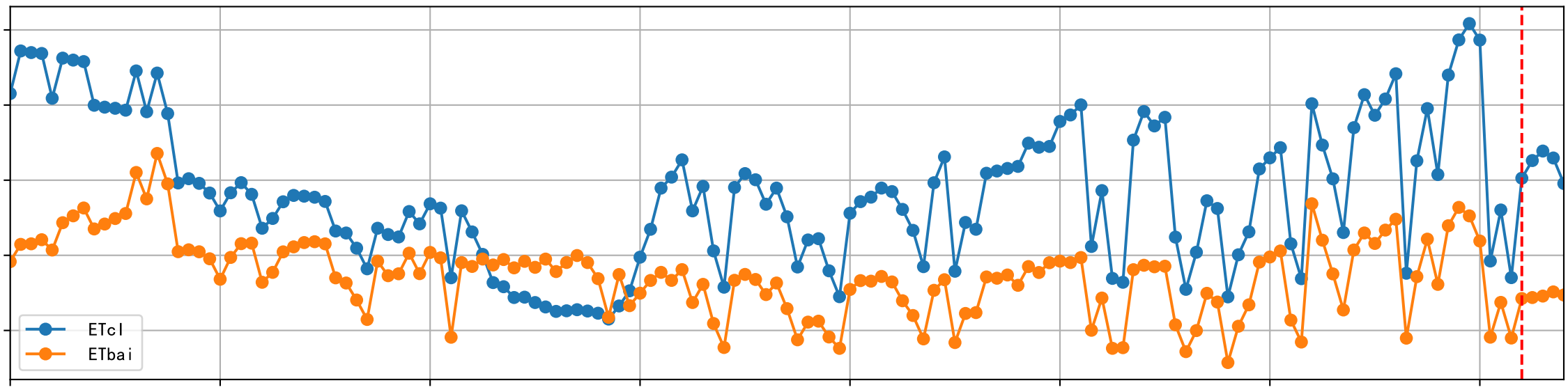


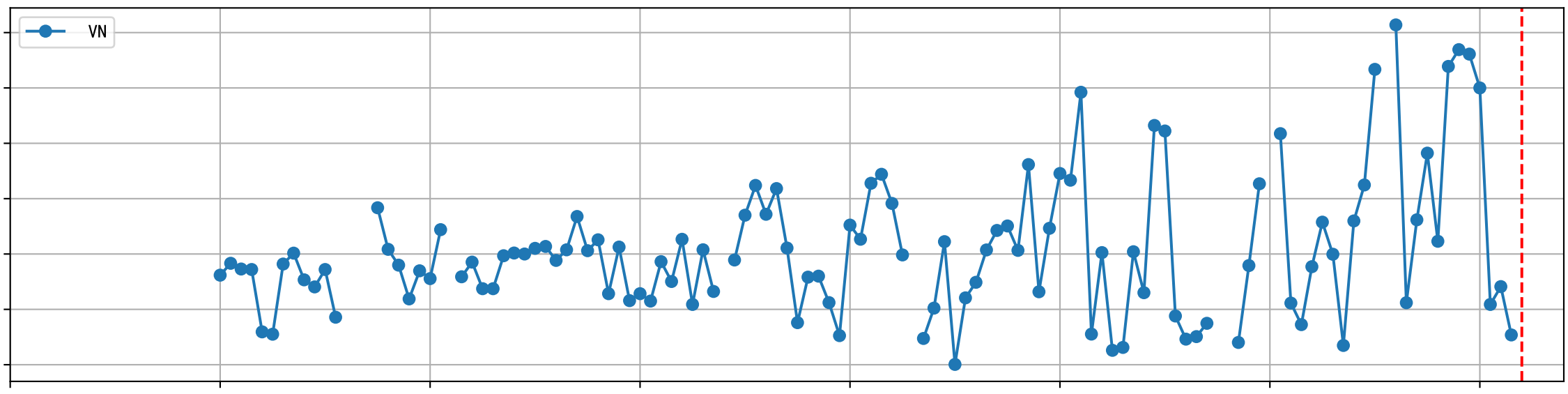

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

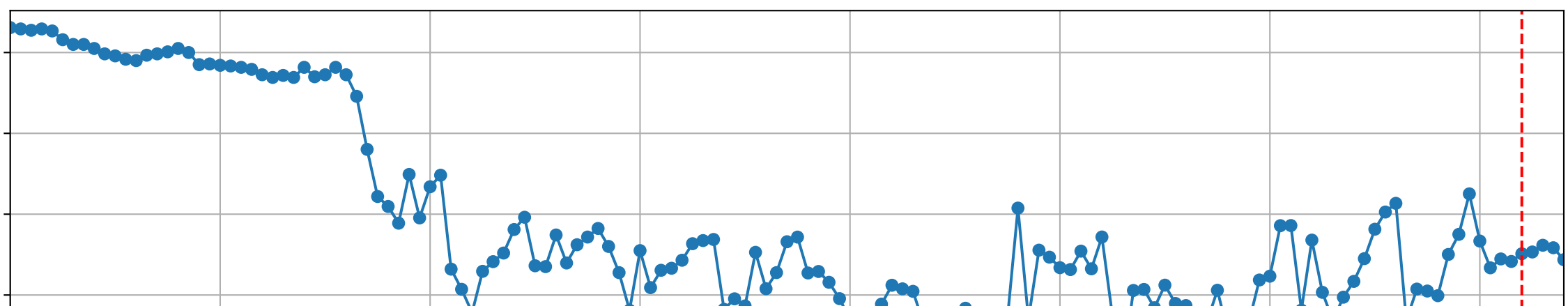

Trend plot forL1A4_4
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECC
ECI
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is 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

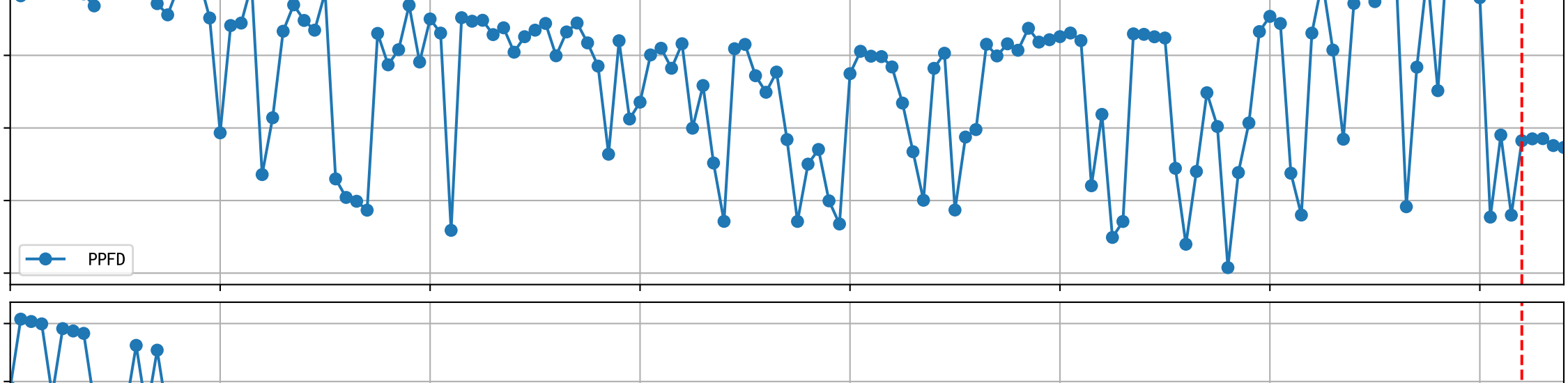

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
133.0
140.0
100
80
60
40
20
0
母液EC
进液EC
设置PH
排灌比
母液PH
EC执行
进液PH
PH执行
回液PH
设置EC
回液EC
scSum

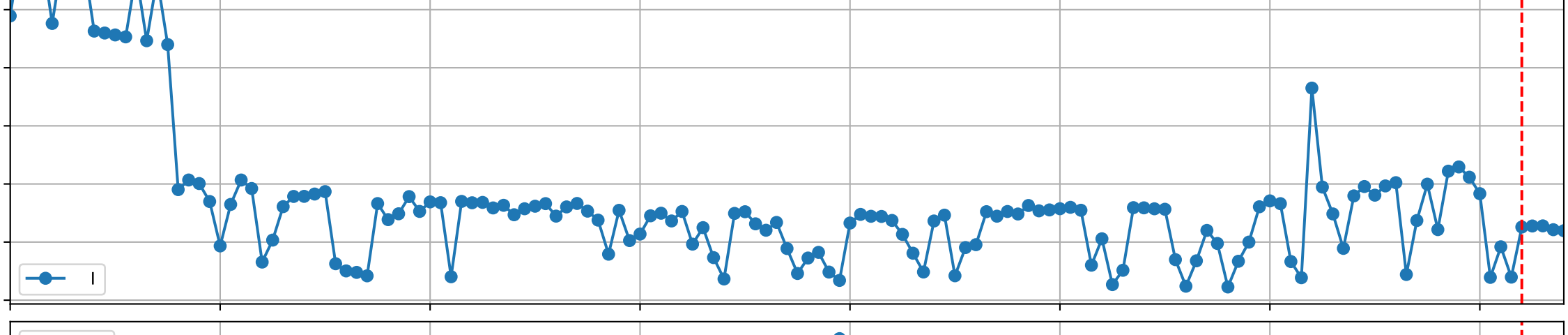
L1A4_4

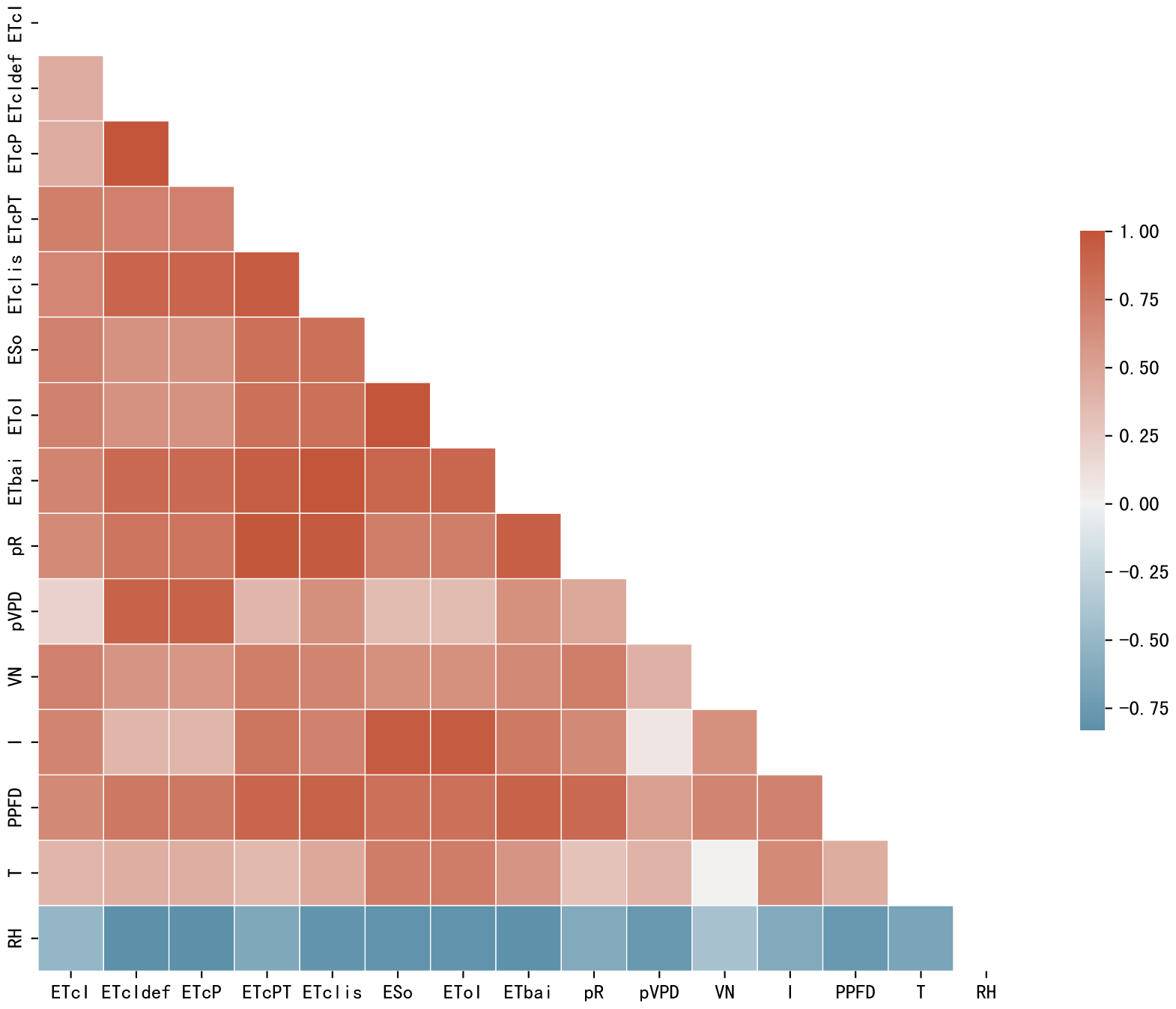


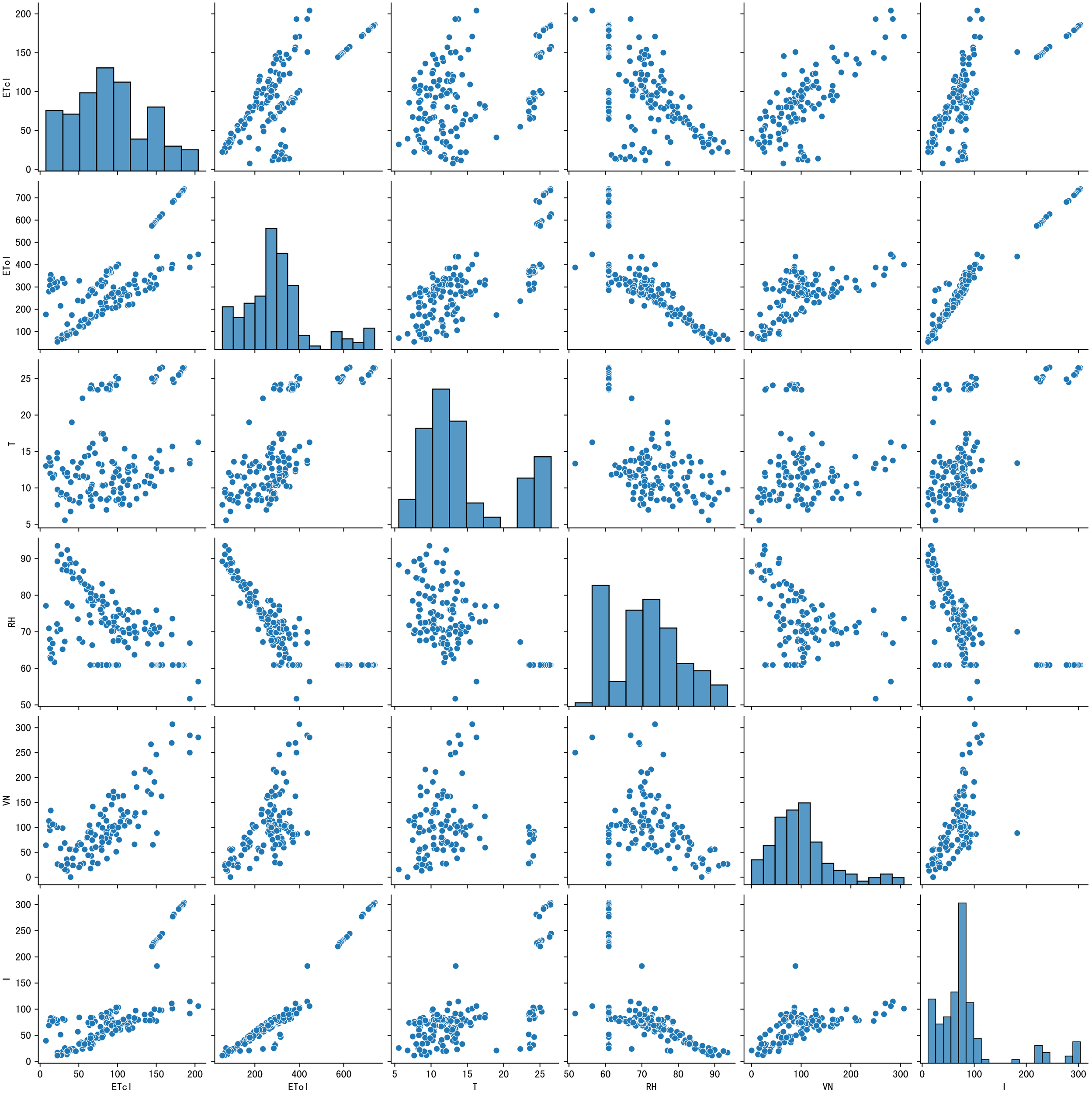


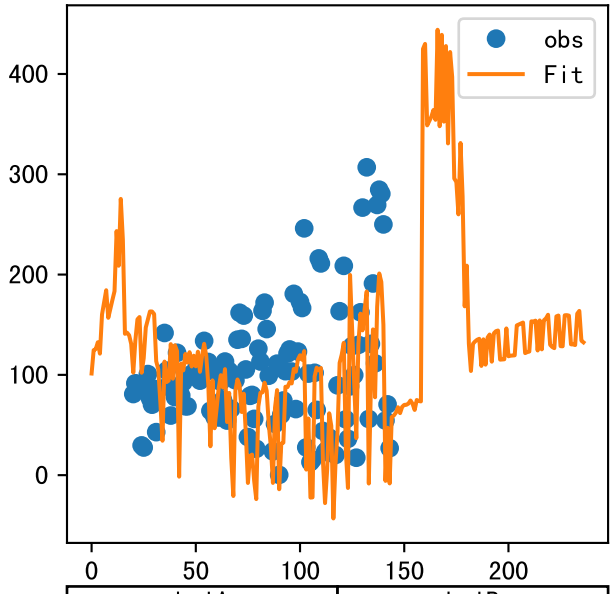


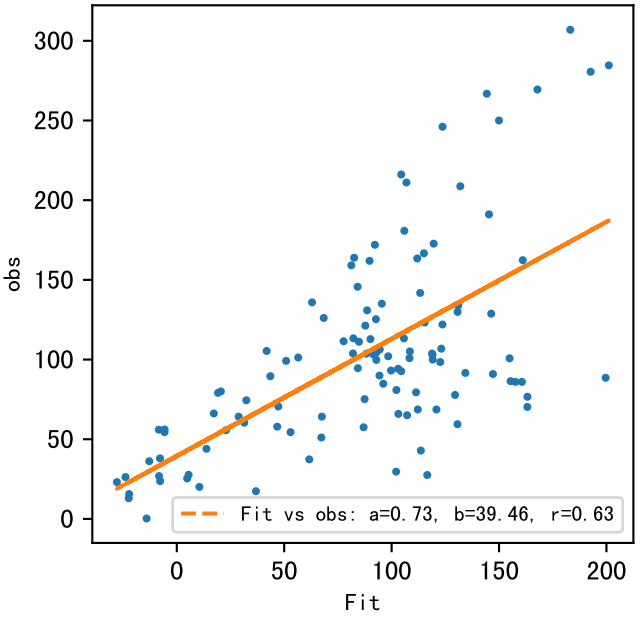




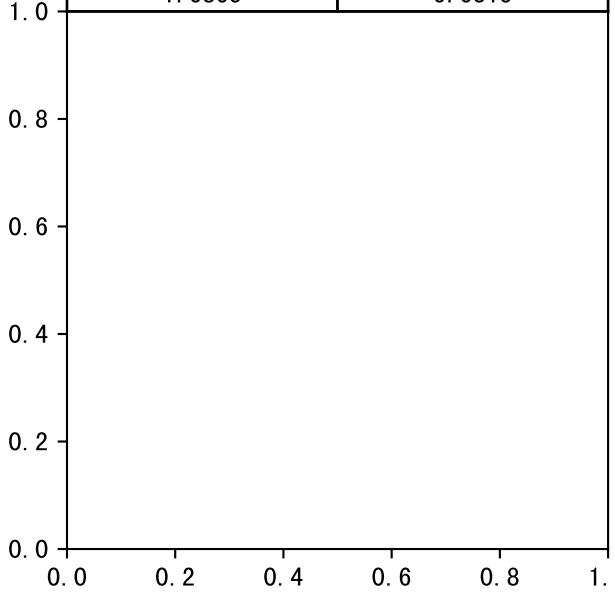

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

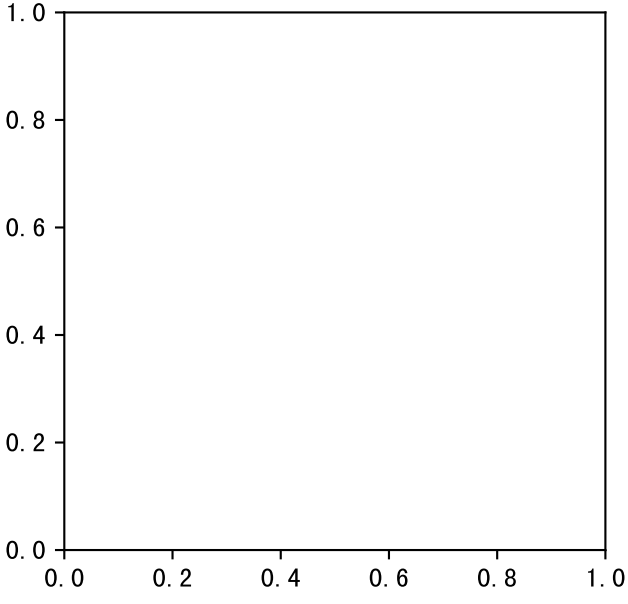

ETcI
ETo I
T
RH
VN
I
ETcI
ETo I
T
RH
VN
I

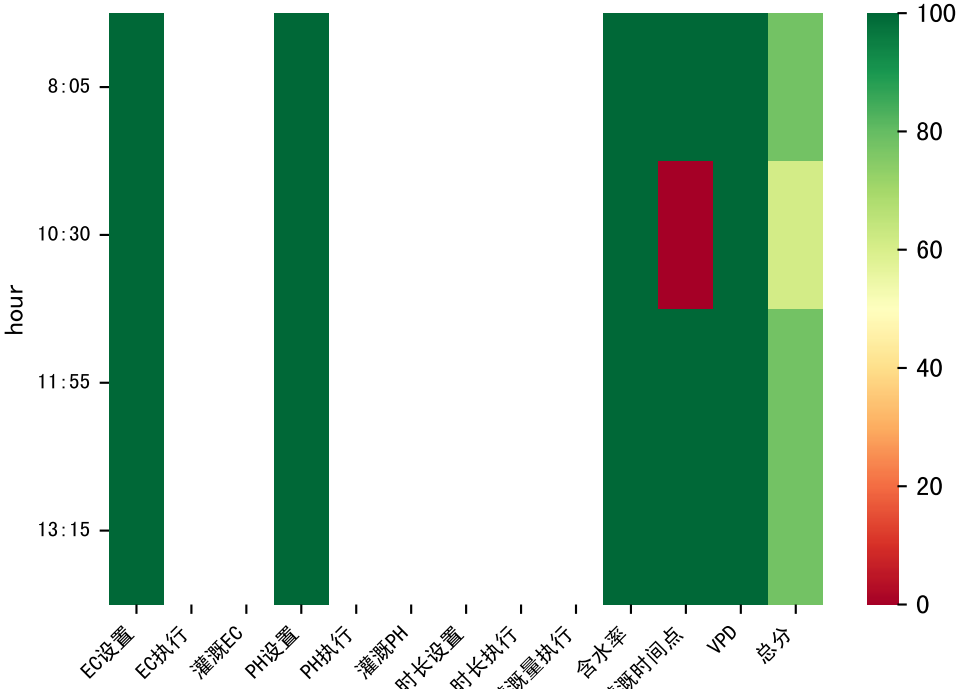




baiA	baiB
1.0805	0.0315



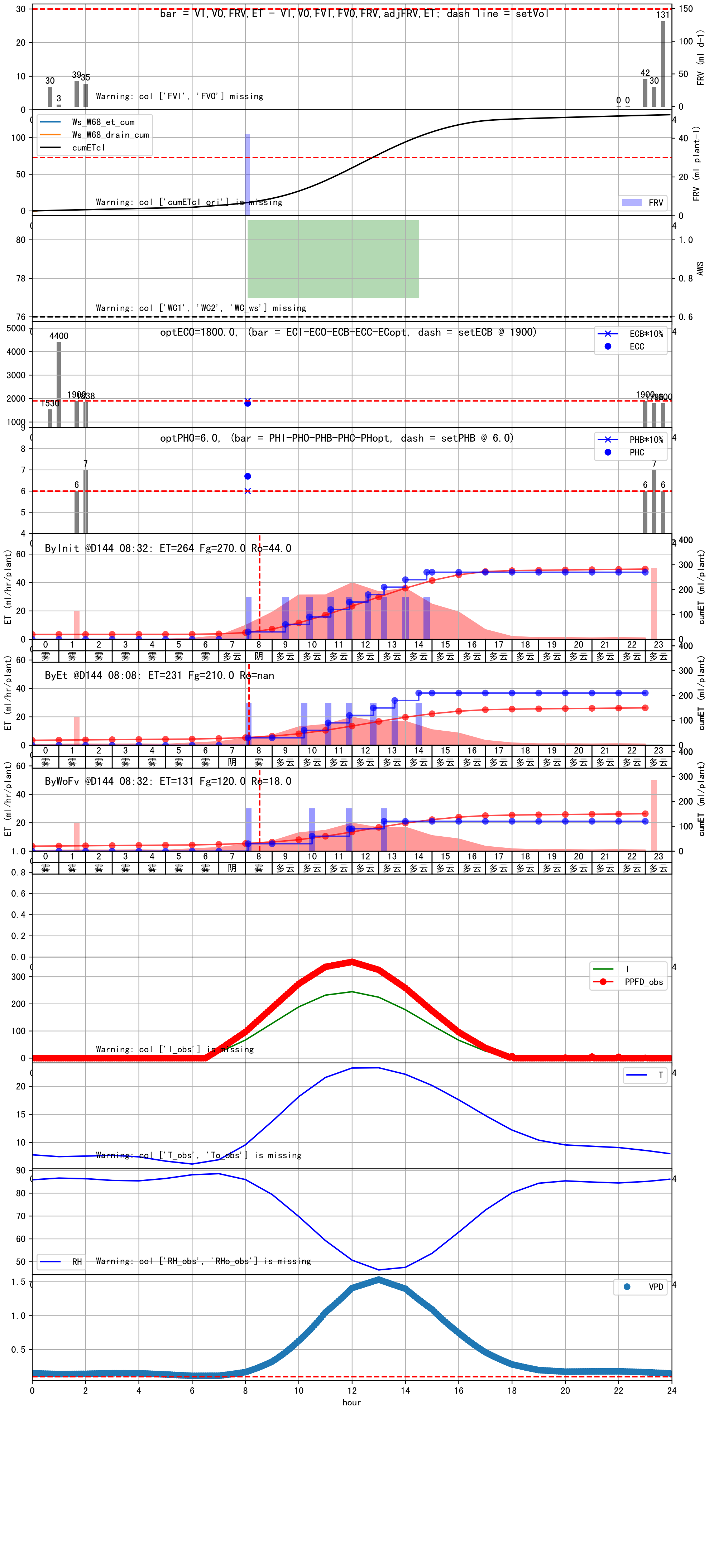


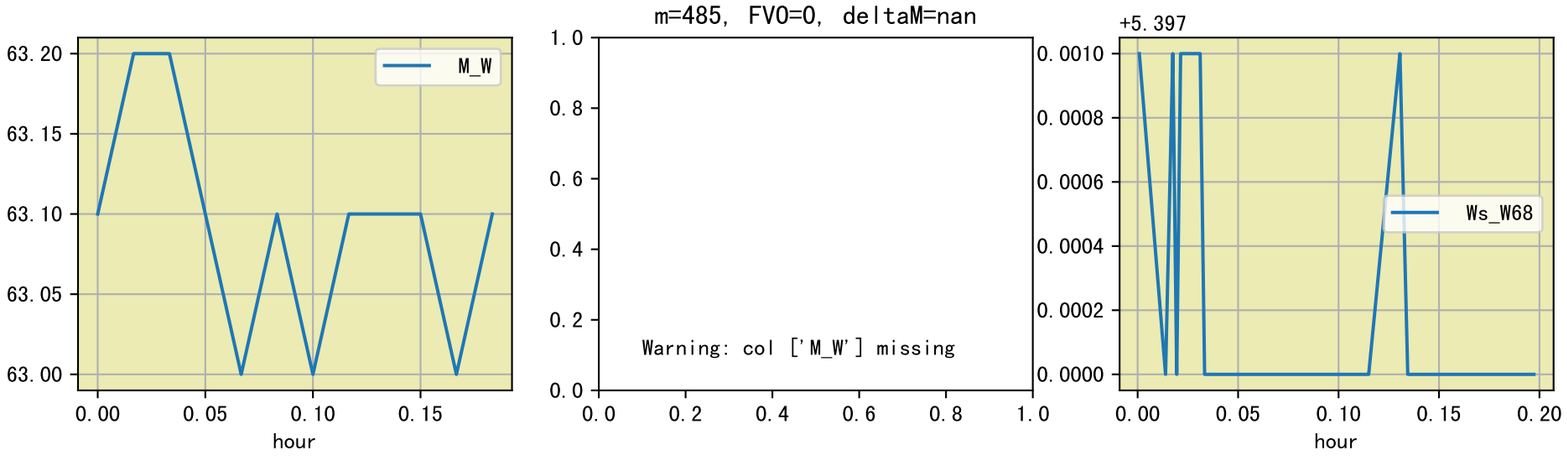

hour
8:05
10:30
11:55
13:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

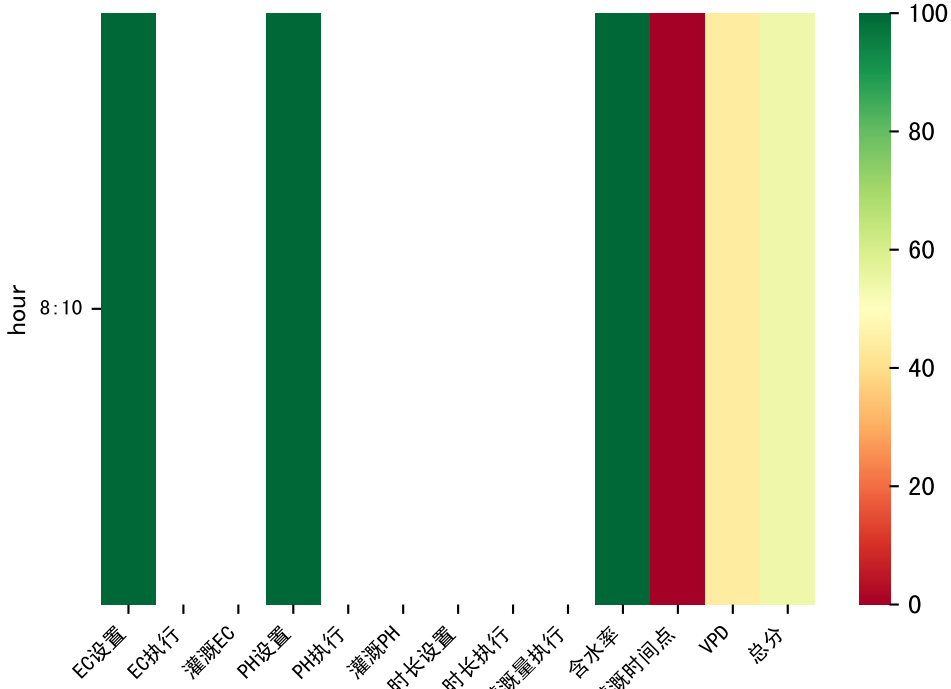
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:05	68	30.0	0.122	雾	预期@08:05 自动（未用传感器）
10:30	68	30.0	0.122	多云	预期@10:30 自动（未用传感器）
11:55	68	30.0	0.122	多云	预期@11:55 自动（未用传感器）
13:15	68	30.0	0.122	多云	预期@13:15 自动（未用传感器）
总计	272.0 (4次)	120.0			建议进液EC：1900， PH：6.0

施肥机灌溉量与预期值不符 (42.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

L1A4_4, Day=144.0 (2026-02-27)



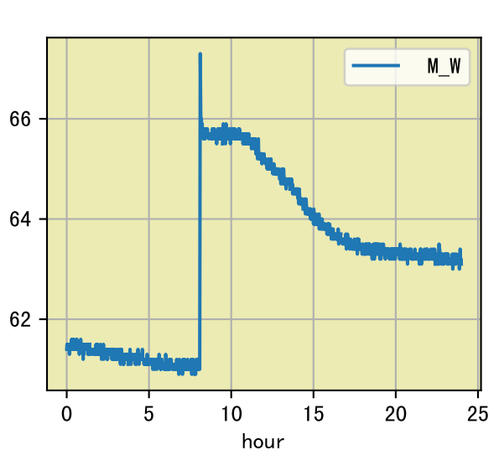

M_W
63.20
63.15
63.10
63.05
63.00
0.00
0.05
0.10
0.15
hour
m=485, FV0=0, deltaM=nan
Warning: col ['M_W'] missing
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0
+5.397
Ws_W68
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0.00
0.05
0.10
0.15
0.20
hour

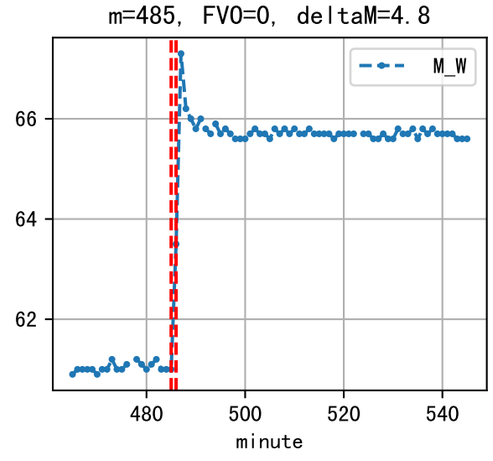

hour
8:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

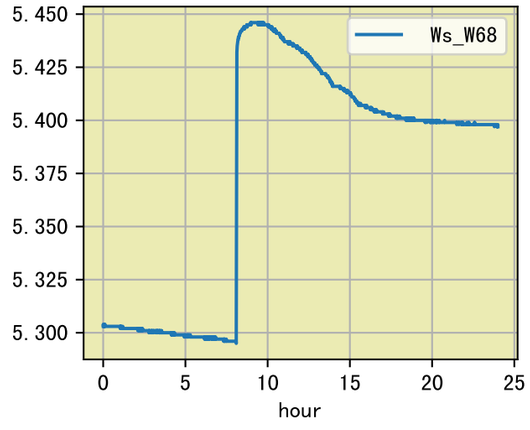
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	67	30.0	0.122	小雨	假设@08:10 自动（未用传感器）
总计	67.0 (1次)	30.0			建议进液EC：1900， PH：6.0

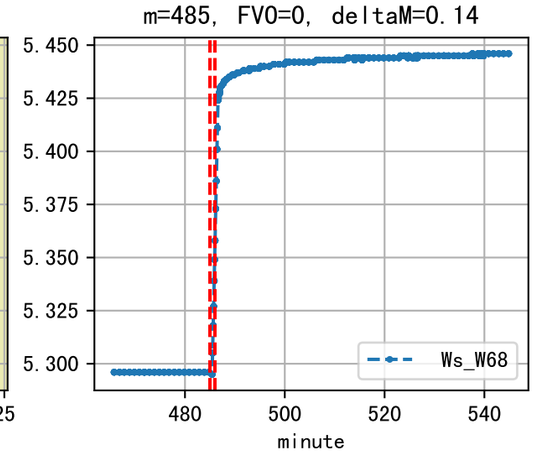
施肥机灌溉量与预期值不符 (39.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

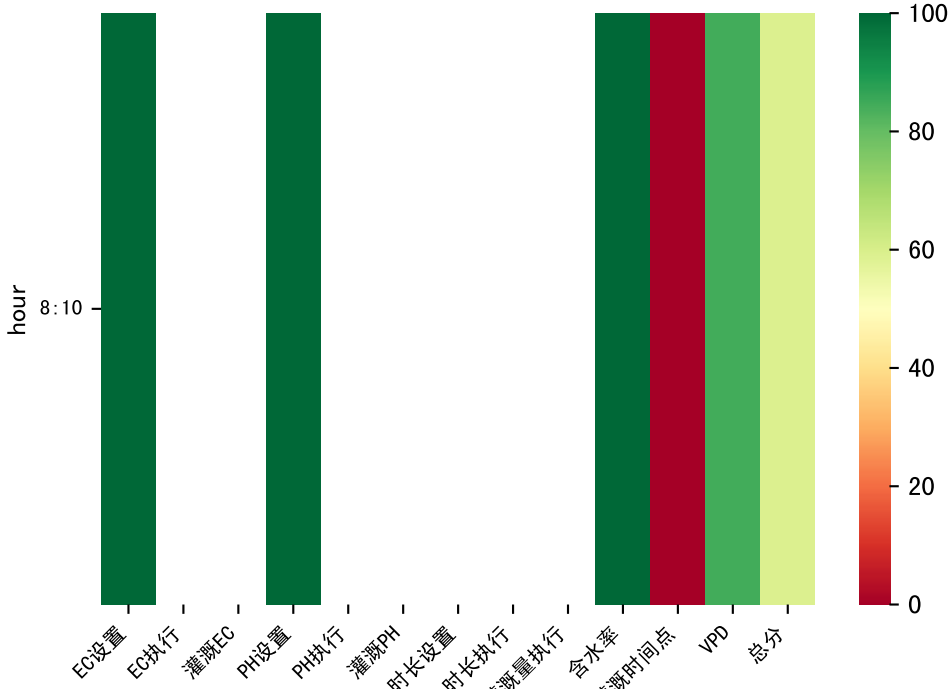
L1A4_4, Day=143.0 (2026-02-26)


M_W
66
64
62
0
5
10
15
20
25
hour


m=485, FVO=0, deltaM=4.8
M_W
66
64
62
480
500
520
540
minute


Ws_W68
5.450
5.425
5.400
5.375
5.350
5.325
5.300
0
5
10
15
20
25
hour

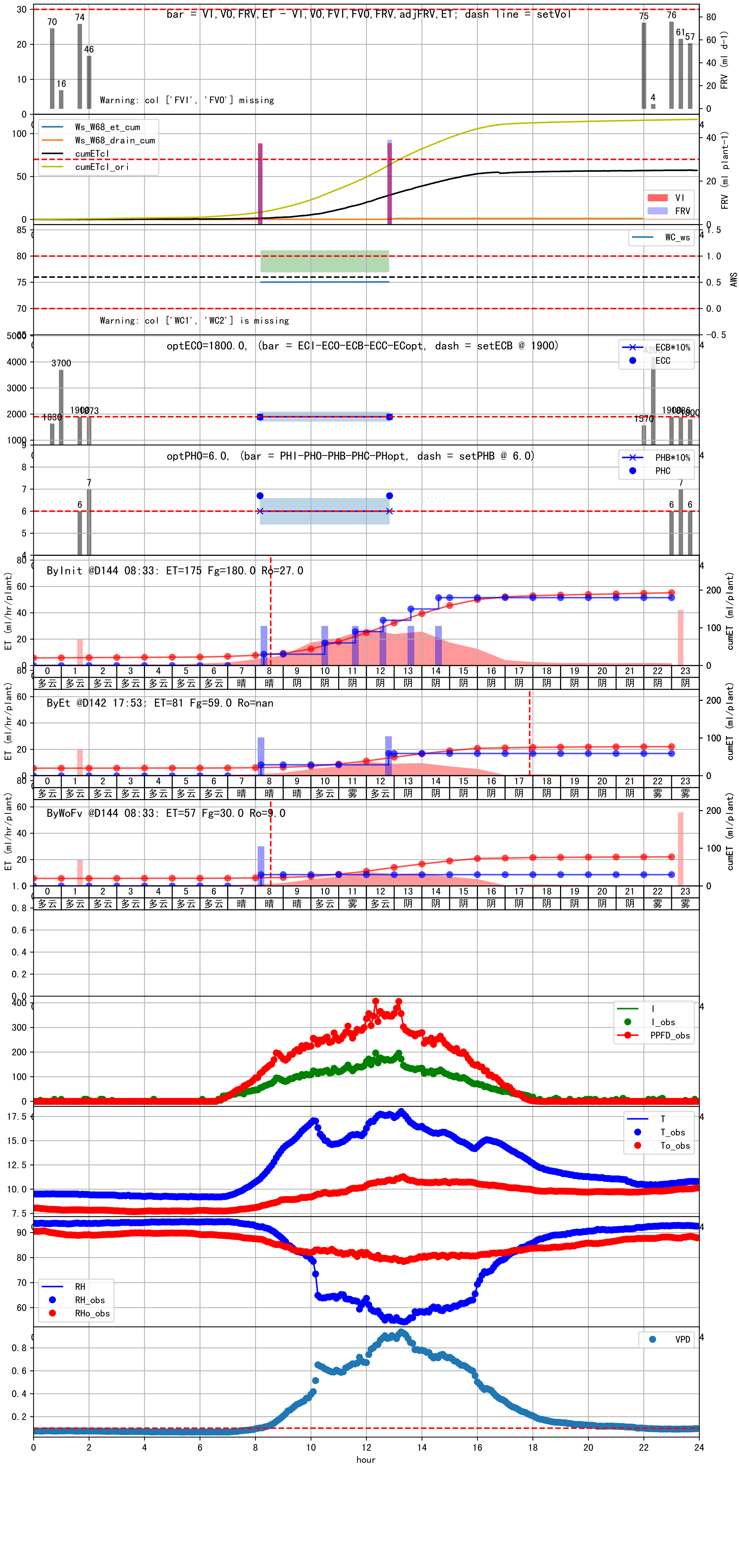

m=485, FVO=0, deltaM=0.14
5.450
5.425
5.400
5.375
5.350
5.325
5.300
Ws_W68
480
500
520
540
minute

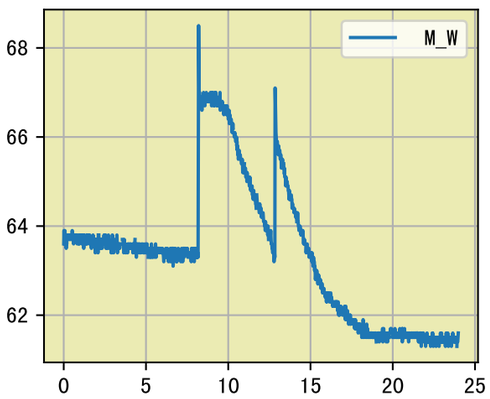

hour
8:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

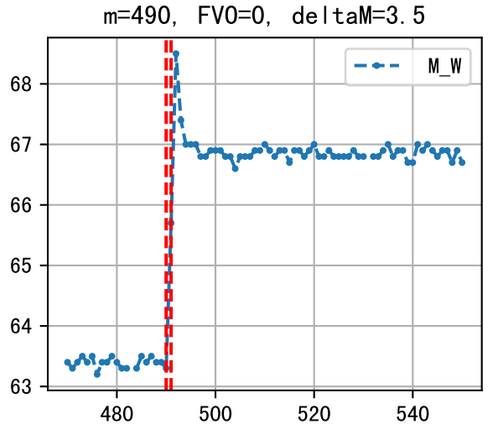
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	64	30.0	0.122	晴	假设@08:10 自动（未用传感器）
总计	64.0 (1次)	30.0			建议进液EC：1900， PH：6.0

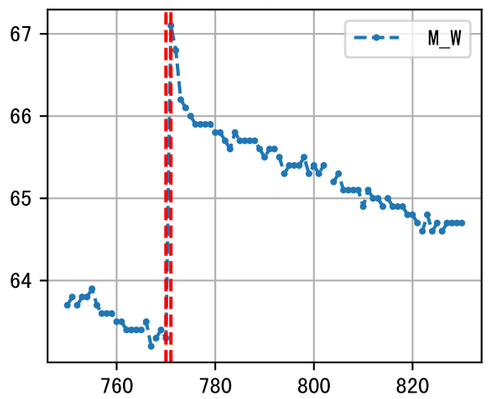
施肥机灌溉量与预期值不符 (39.0 : 31.0)，可能水表需要校准
默认实际灌溉31.0 ml.

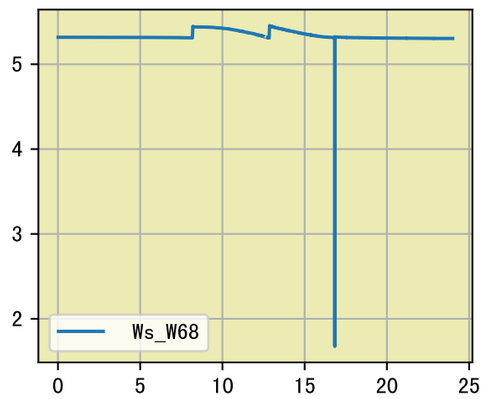
L1A4_4, Day=142.0 (2026-02-25)

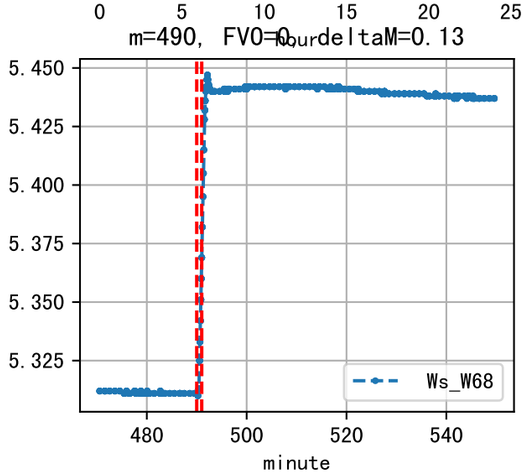


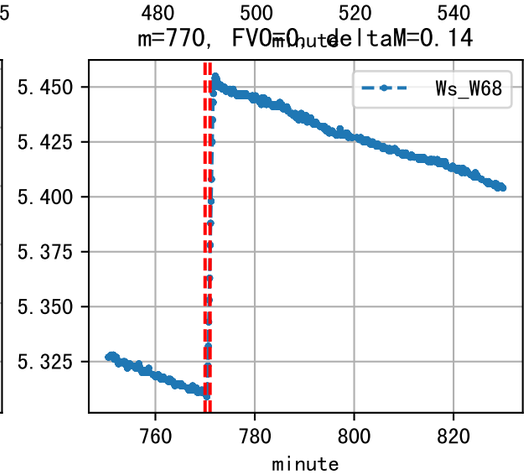

M_W
68
66
64
62
0
5
10
15
20
25

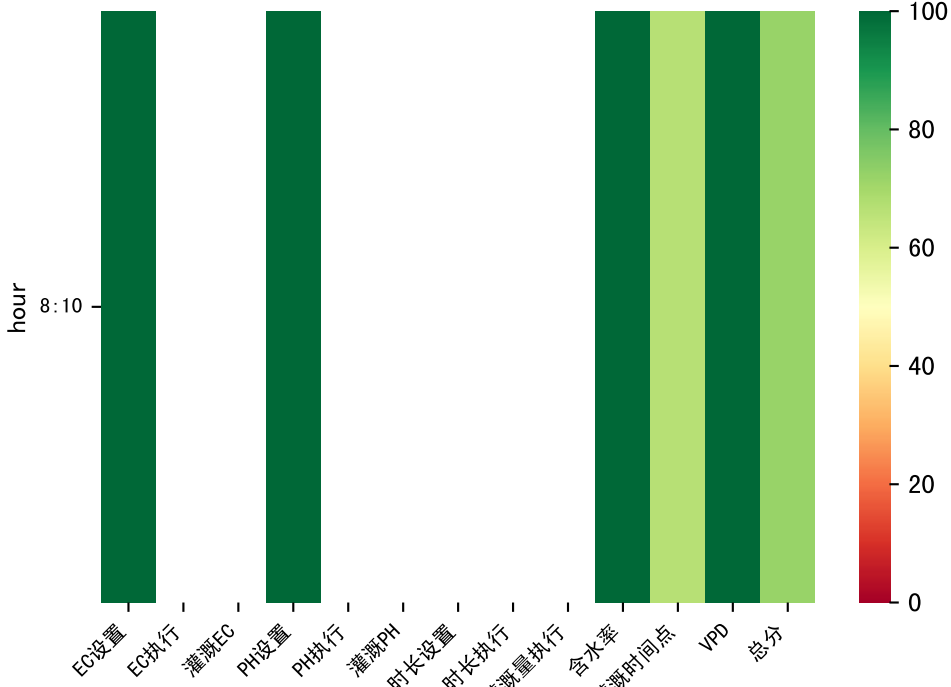

m=490, FV0=0, deltaM=3.5
M_W
68
67
66
65
64
63
480
500
520
540


m=770, FV0=0, deltaM=2.6
M_W
67
66
65
64
760
780
800
820
minute


Ws_W68
5
4
3
2
0
5
10
15
20
25
hour


m=490, FV0=0, deltaM=0.13
Ws_W68
5.450
5.425
5.400
5.375
5.350
5.325
480
500
520
540
minute

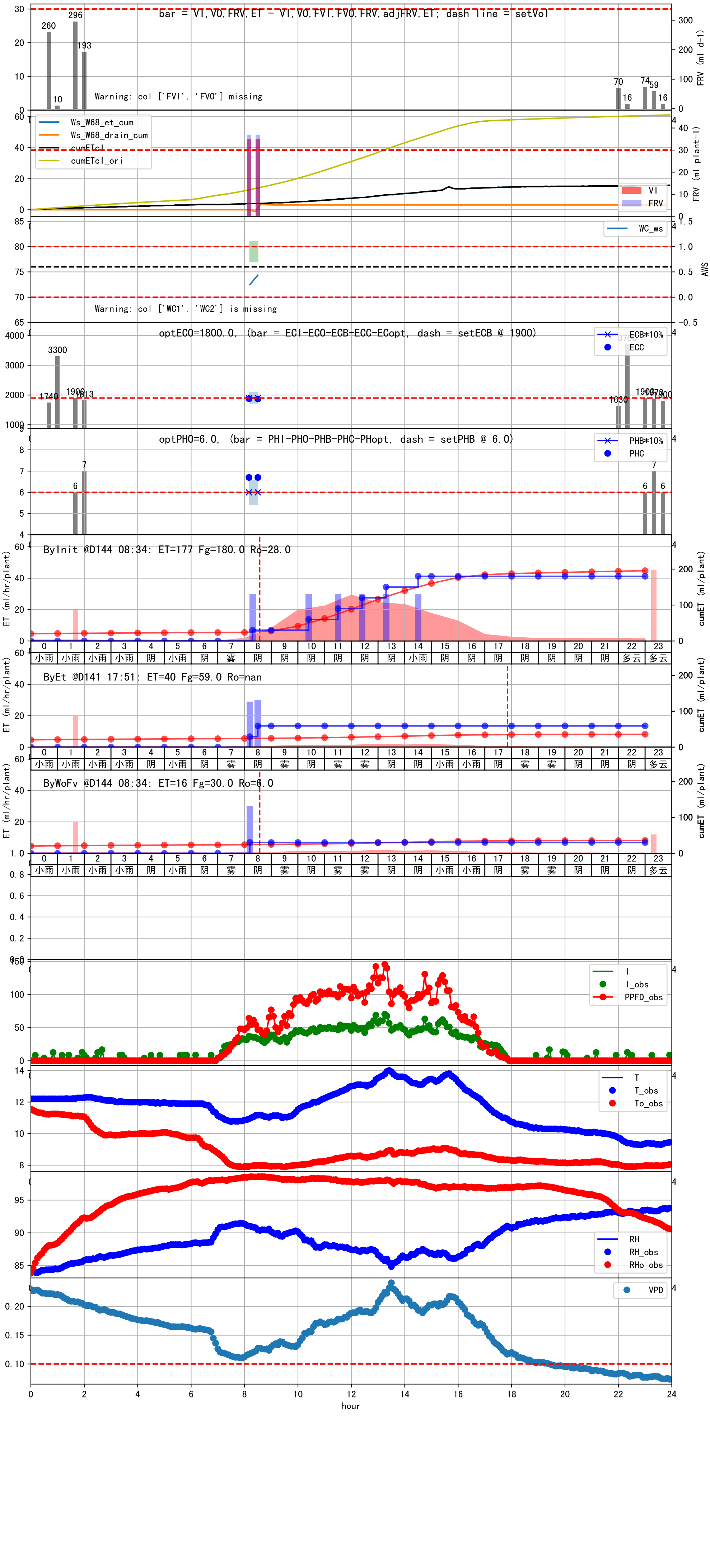

m=770, FV0=0, deltaM=0.14
Ws_W68
5.450
5.425
5.400
5.375
5.350
5.325
760
780
800
820
minute

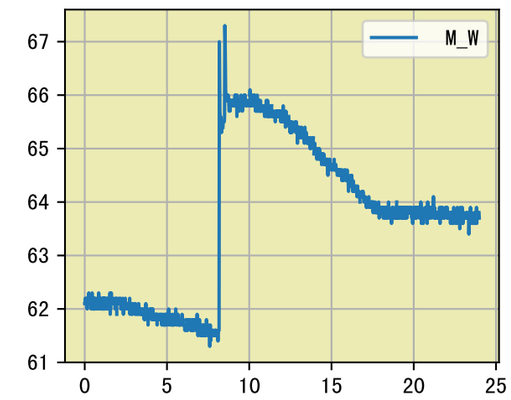

hour
8:10
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
含水率
VPD
总分
100
80
60
40
20
0

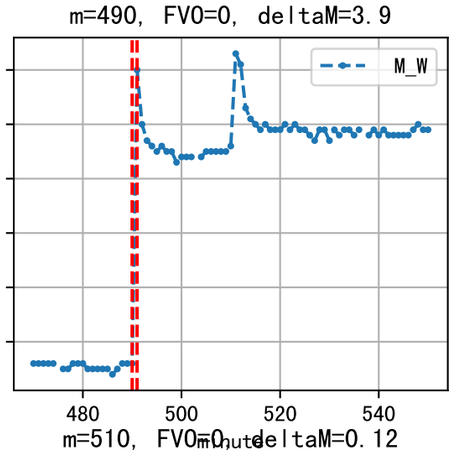
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	62	30.0	0.122	阴	假设@08:10 自动（未用传感器）
总计	62.0 (1次)	30.0			建议进液EC：1900， PH：6.0

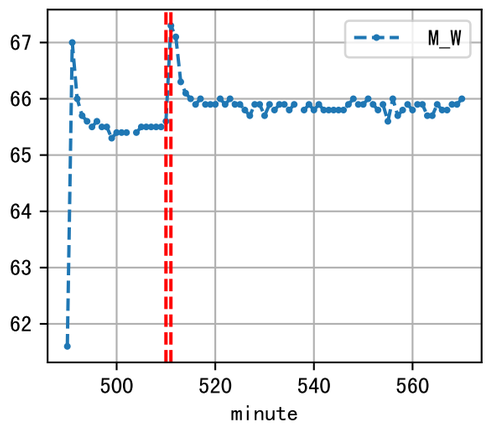
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

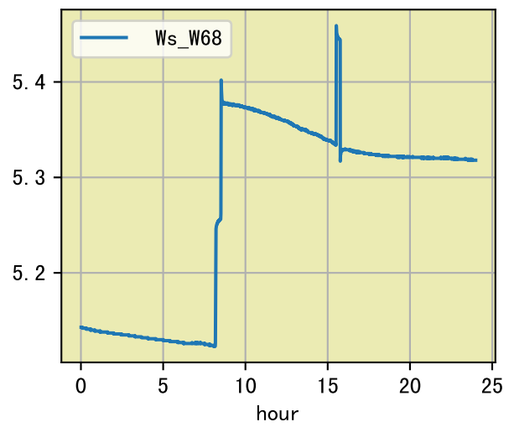
L1A4_4, Day=141.0 (2026-02-24)

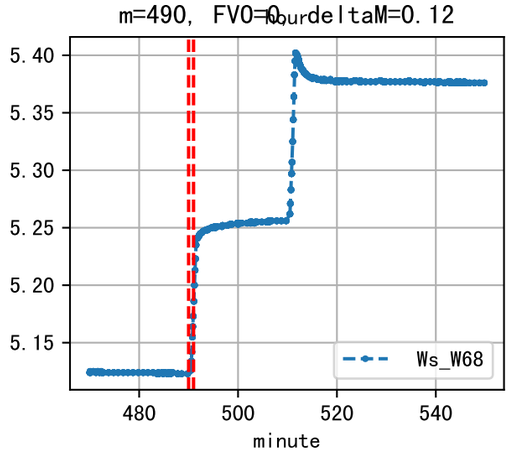


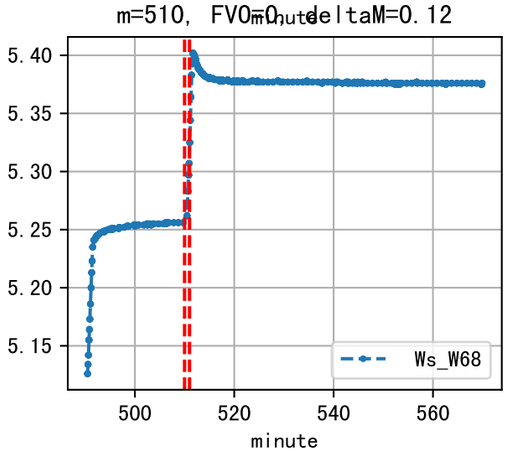

M_W
67
66
65
64
63
62
61
0
5
10
15
20
25

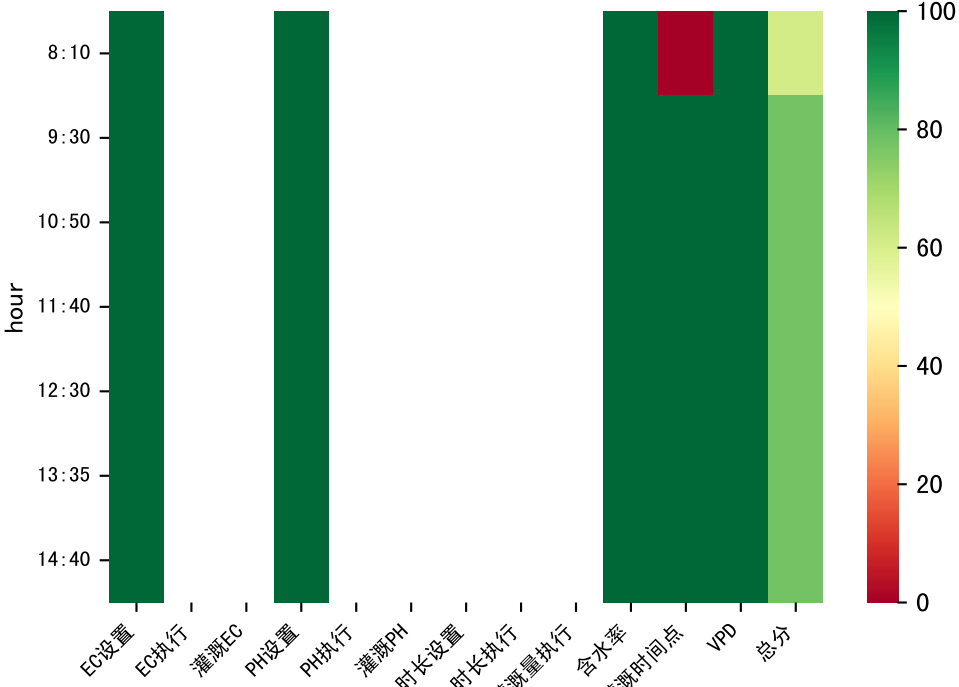

m=490, FV0=0, deltaM=3.9
M_W
67
66
65
64
63
62
480
500
520
540


m=510, FV0=0, deltaM=0.4
M_W
67
66
65
64
63
62
500
520
540
560
minute


Ws_W68
5.4
5.3
5.2
0
5
10
15
20
25
hour


m=490, FV0=0, deltaM=0.12
Ws_W68
5.40
5.35
5.30
5.25
5.20
5.15
480
500
520
540
minute

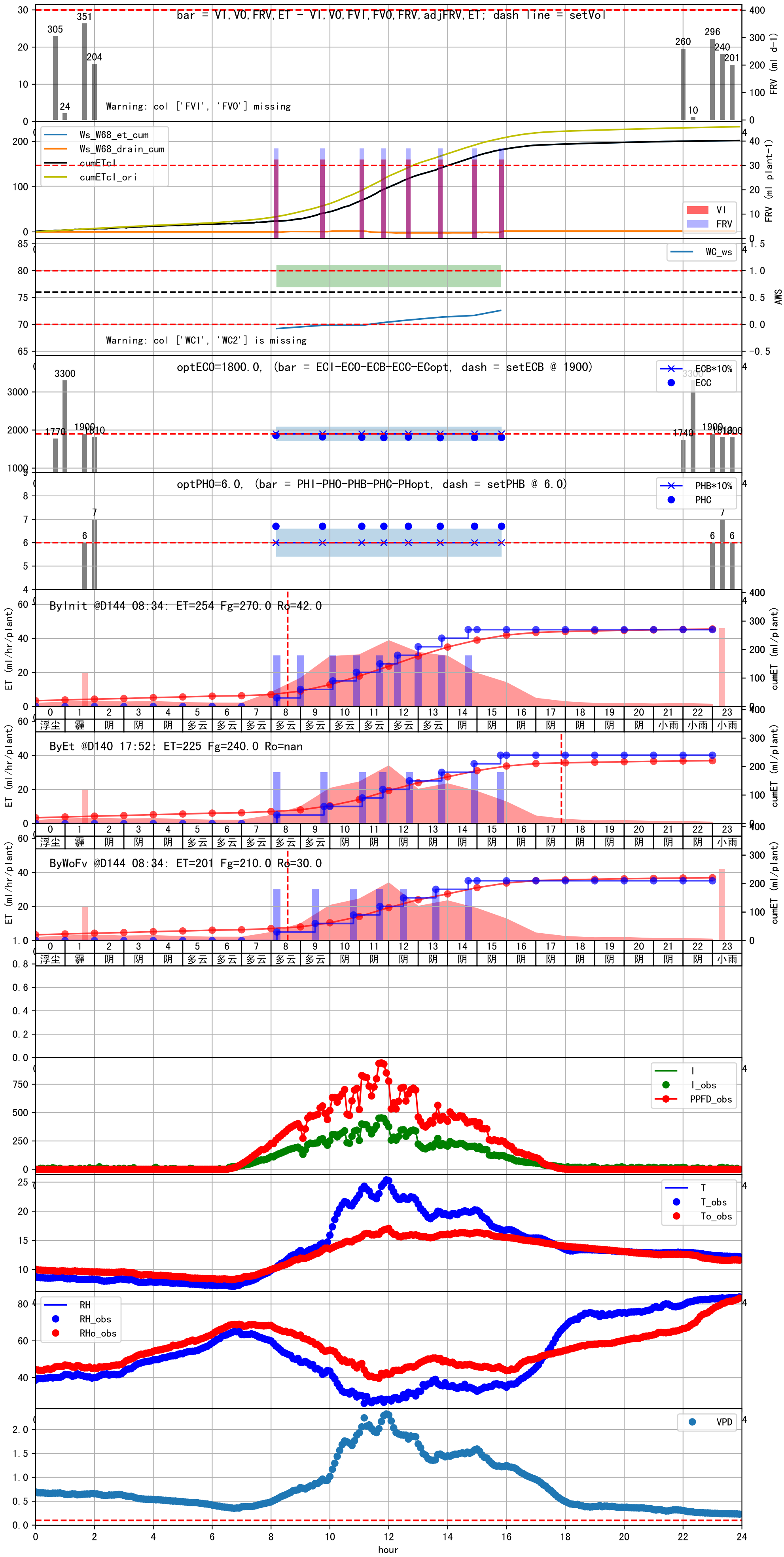

m=510, FV0=0, deltaM=0.12
Ws_W68
5.40
5.35
5.30
5.25
5.20
5.15
500
520
540
560
minute

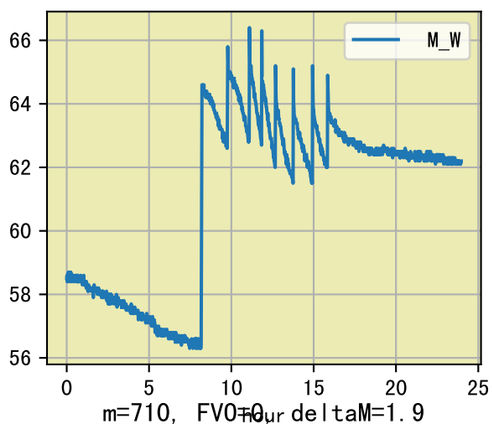

hour
8:10
9:30
10:50
11:40
12:30
13:35
14:40
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌量执行
含水率
灌时间点
VPD
总分
100
80
60
40
20
0

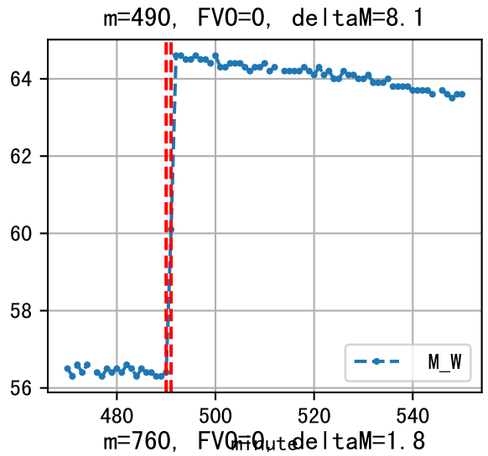
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:10	64	30.0	0.122	多云	假设@08:10 自动（未用传感器）
09:30	64	30.0	0.122	多云	假设@09:30 自动（未用传感器）
10:50	64	30.0	0.122	阴	假设@10:50 自动（未用传感器）
11:40	64	30.0	0.122	阴	假设@11:40 自动（未用传感器）
12:30	64	30.0	0.122	阴	假设@12:30 自动（未用传感器）
13:35	64	30.0	0.122	阴	假设@13:35 自动（未用传感器）
14:40	64	30.0	0.122	阴	假设@14:40 自动（未用传感器）
总计	448.0 (7次)	210.0			建议进液EC：1900， PH：6.0

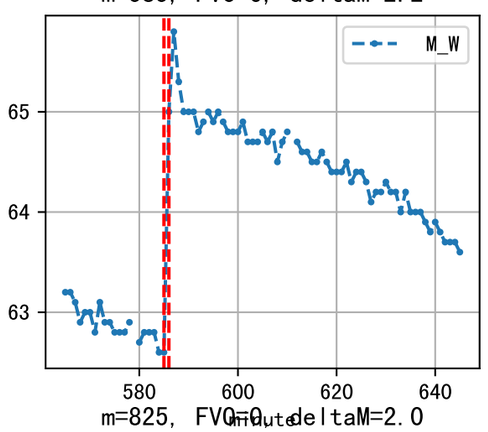
施肥机灌溉量与预期值不符 (37.0 : 30.0)，可能水表需要校准
默认实际灌溉30.0 ml.

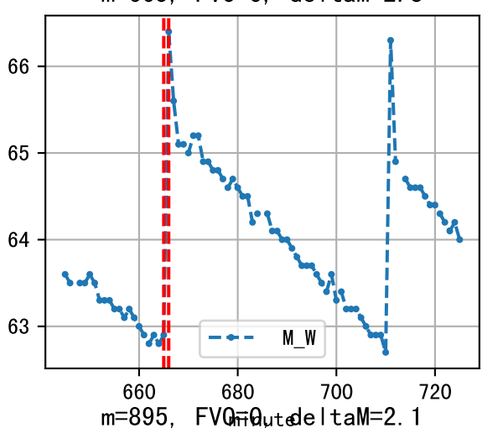
L1A4_4, Day=140.0 (2026-02-23)

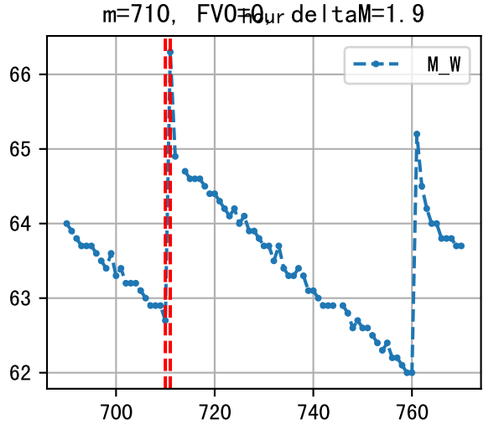


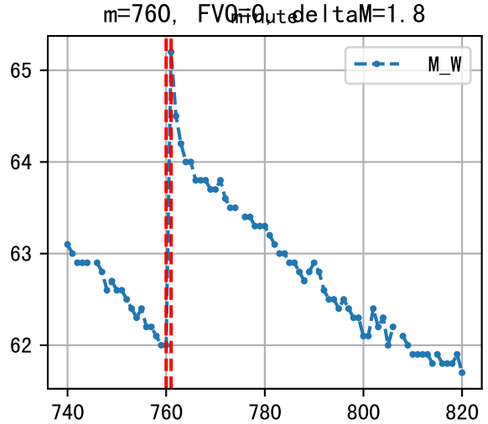

M_W

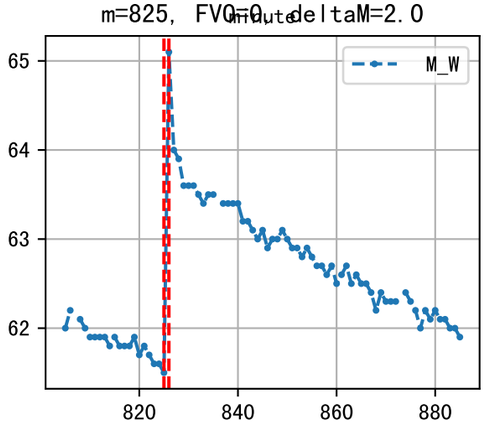

m=490, FVO=0, deltaM=8.1
M_W

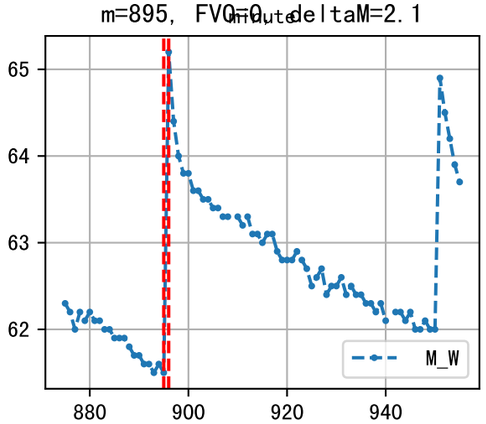

m=585, FVO=0, deltaM=2.2
M_W

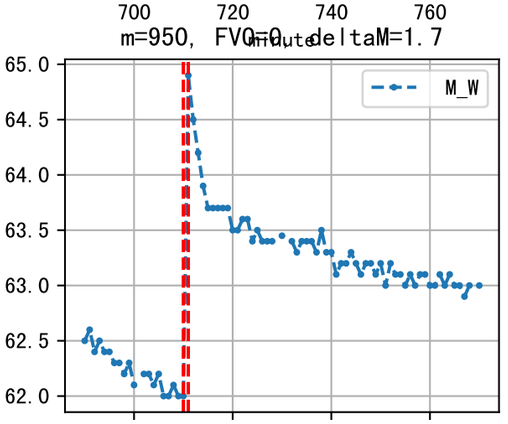

m=665, FVO=0, deltaM=2.3
M_W

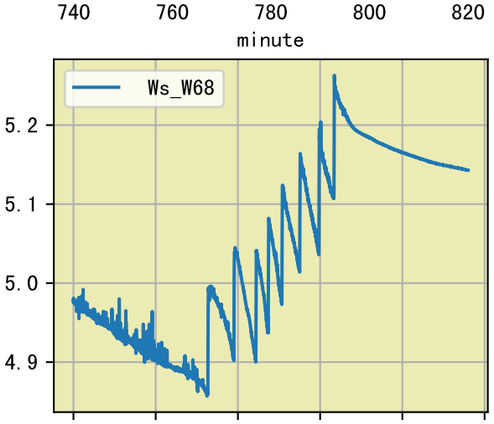

m=710, FVO=0, deltaM=1.9
hour
M_W

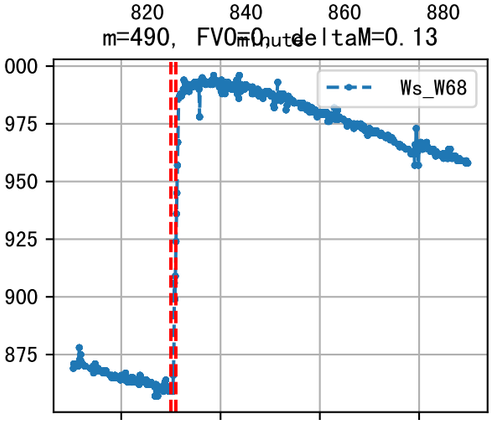

m=760, FVO=0, deltaM=1.8
minute
M_W

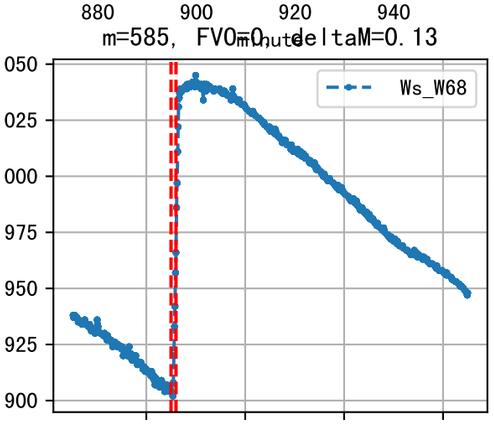

m=825, FVO=0, deltaM=2.0
minute
M_W


m=895, FVO=0, deltaM=2.1
minute
M_W


m=950, FVO=0, deltaM=1.7
minute
M_W


minute


m=490, FVO=0, deltaM=0.13
minute
Ws_W68

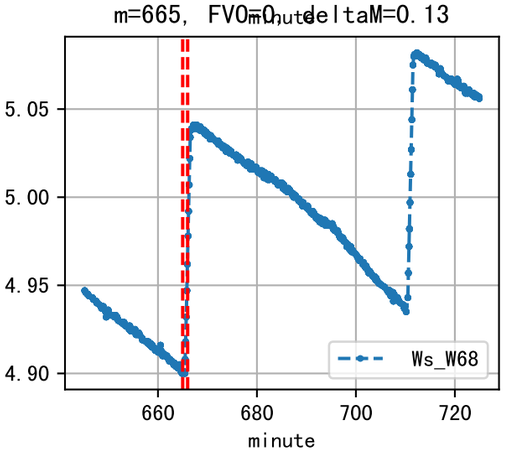

m=585, FVO=0, deltaM=0.13
minute
Ws_W68

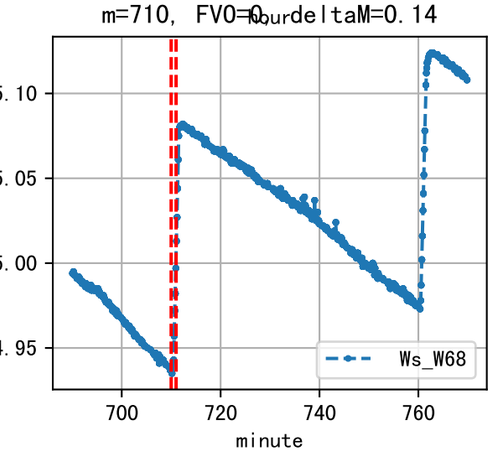
M_W

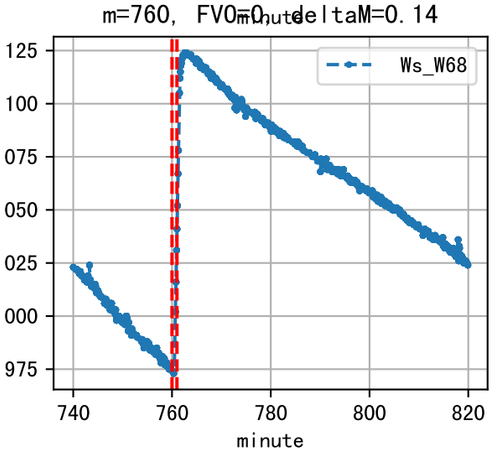
Ws_W68

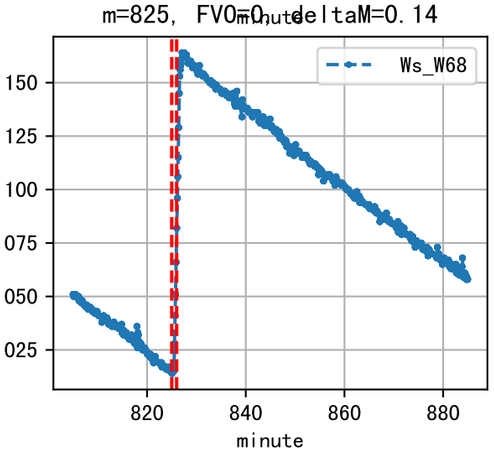
Ws_W68

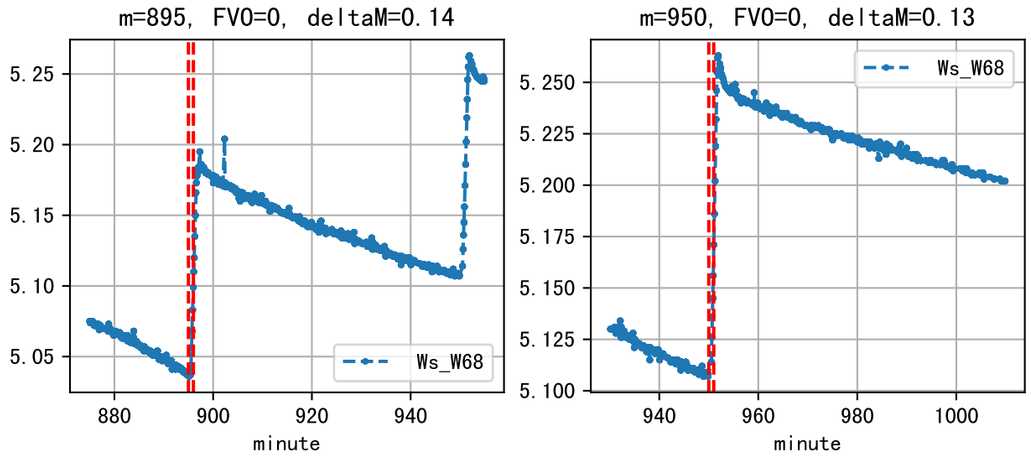
Ws_W68


m=665, FVO=0, deltaM=0.13
minute
Ws_W68
minute


m=710, FVO=0, deltaM=0.14
hour
Ws_W68
minute


m=760, FVO=0, deltaM=0.14
minute
Ws_W68
minute


m=825, FVO=0, deltaM=0.14
minute
Ws_W68
minute


m=895, FV0=0, deltaM=0.14
5.25
5.20
5.15
5.10
5.05
880
900
920
940
minute
Ws_W68
m=950, FV0=0, deltaM=0.13
5.250
5.225
5.200
5.175
5.150
5.125
5.100
940
960
980
1000
minute
Ws_W68