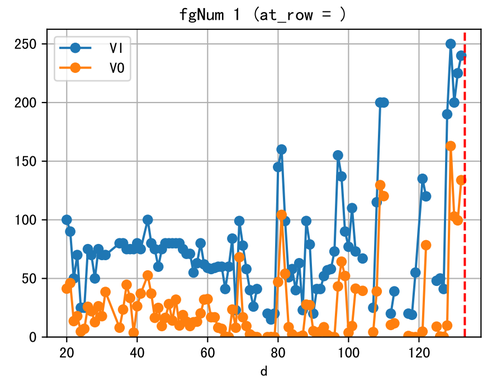
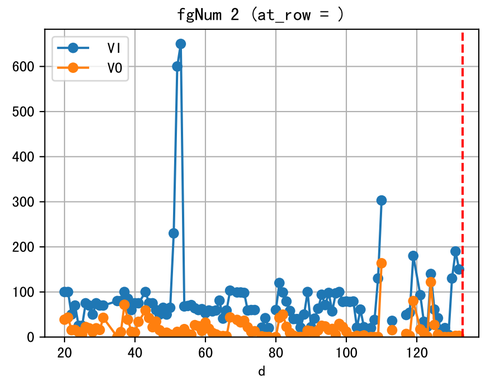
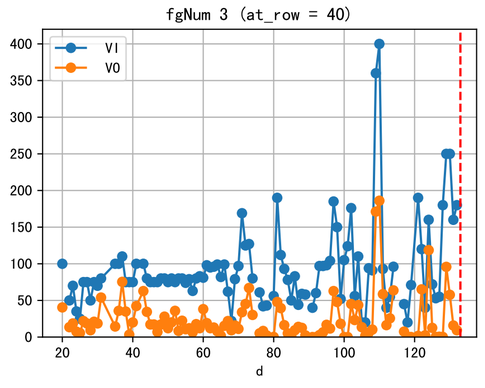
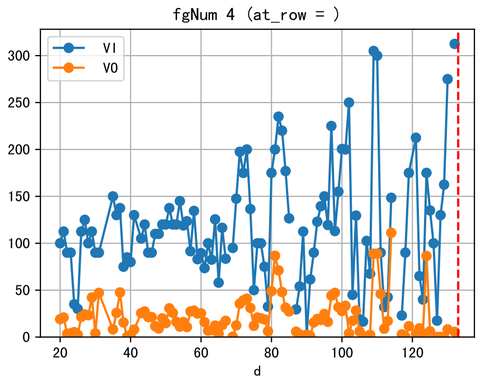
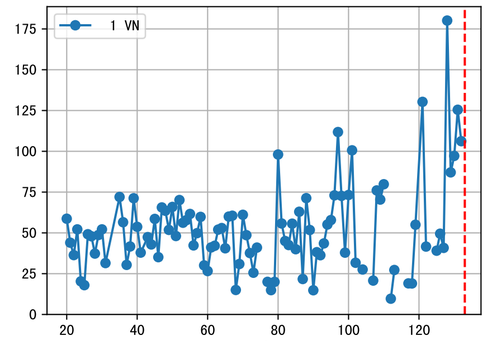
FgArea: ['3']
NJ15 L1
2026-02-16 (Day 133)

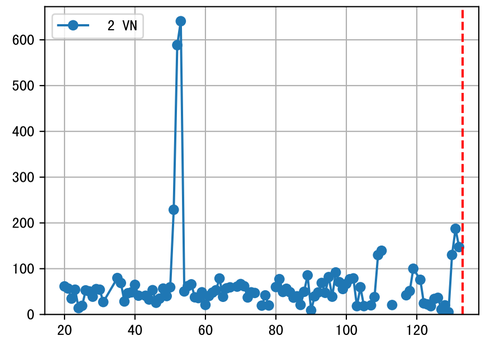

fgNum 1 (at_row =)
VI
VO
d

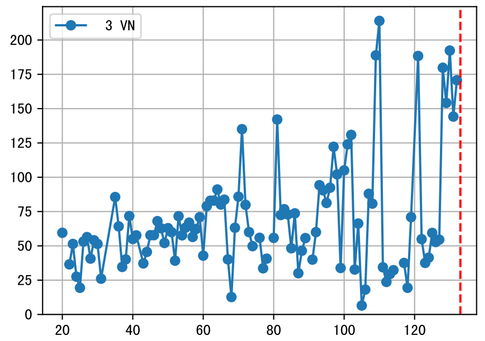

fgNum 2 (at_row =)
VI
VO
d

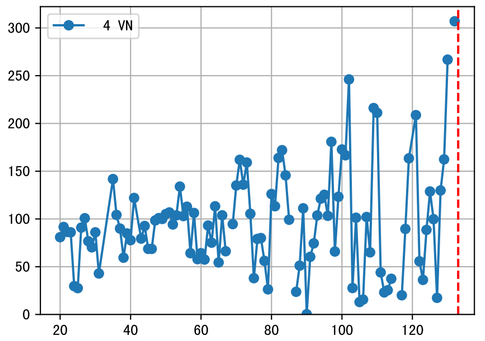

fgNum 3 (at_row = 40)
VI
VO
d

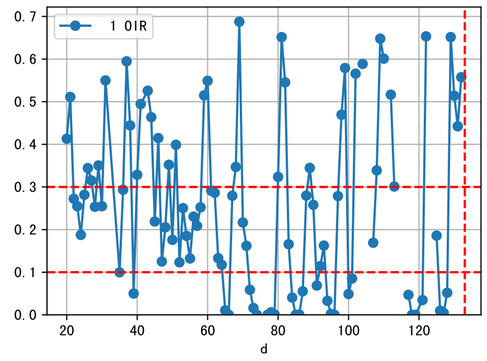

fgNum 4 (at_row =)
VI
VO
d

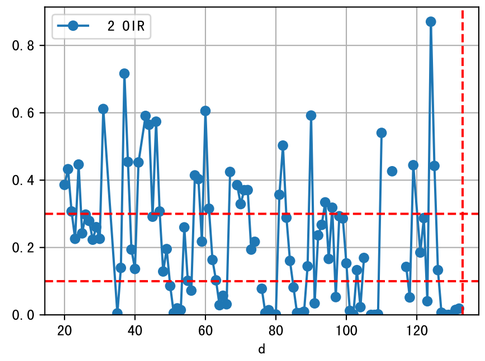

1 VN
d

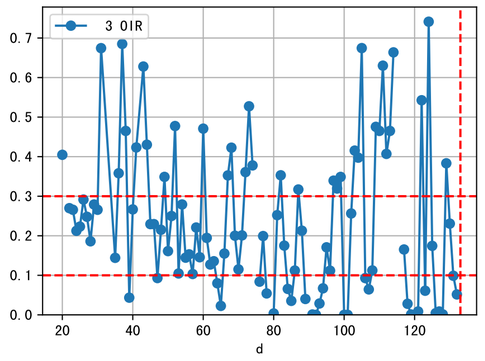

2 VN
d

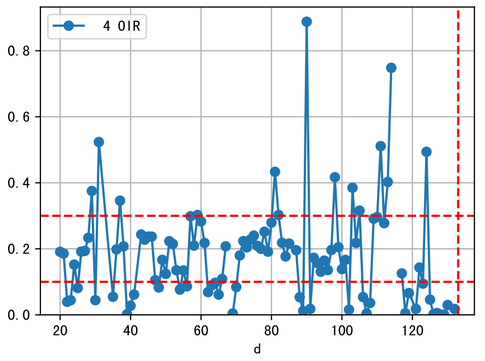

3 VN
d

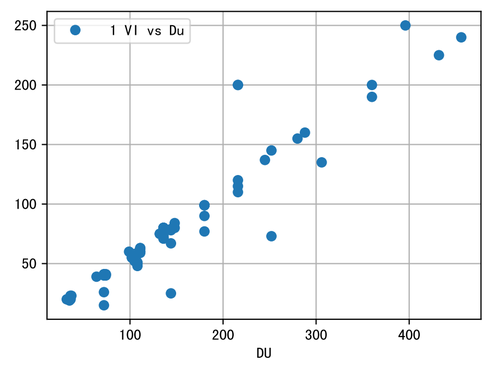

4 VN
d

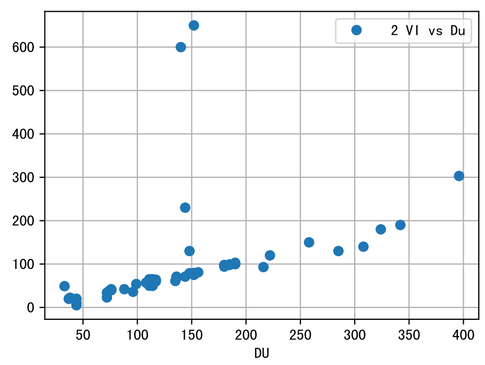

1 OIR
d

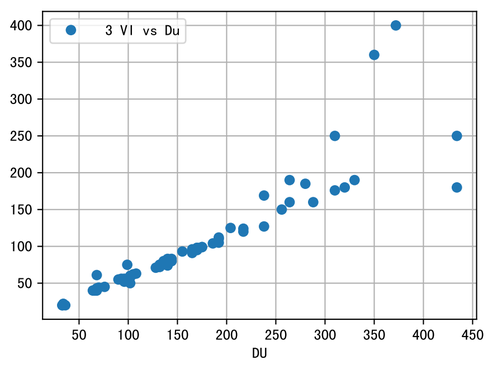

2 OIR
d

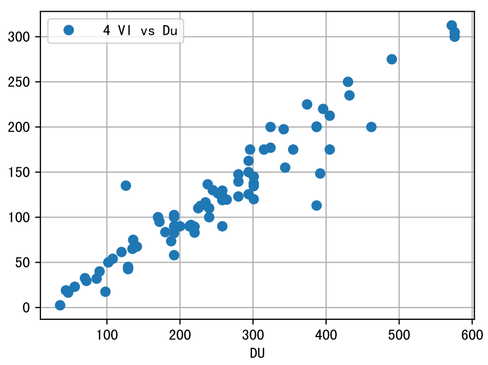

3 OIR
d

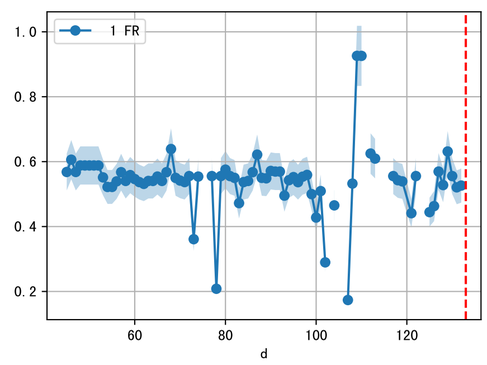

4 OIR
d

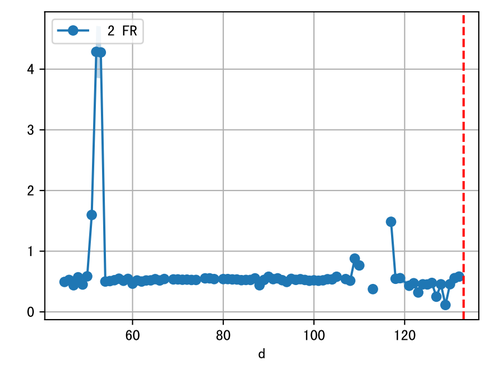

1 VI vs Du
DU

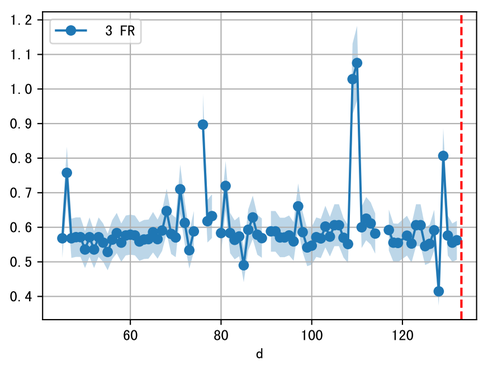

2 VI vs Du
DU

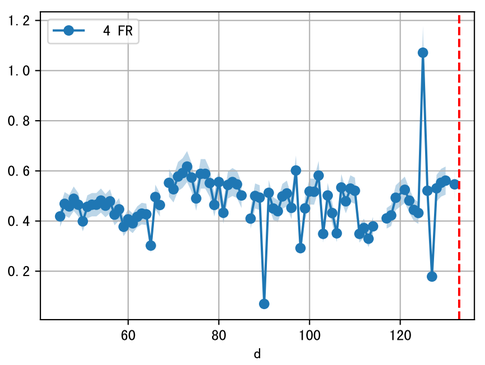

3 VI vs Du
DU

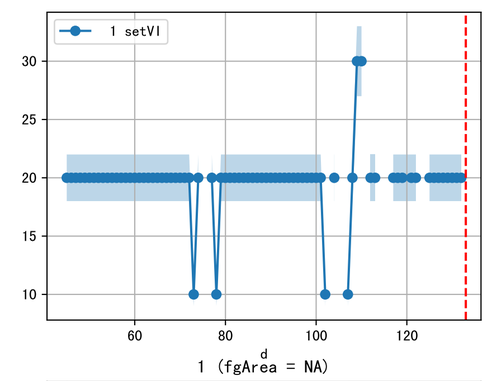

4 VI vs Du
DU

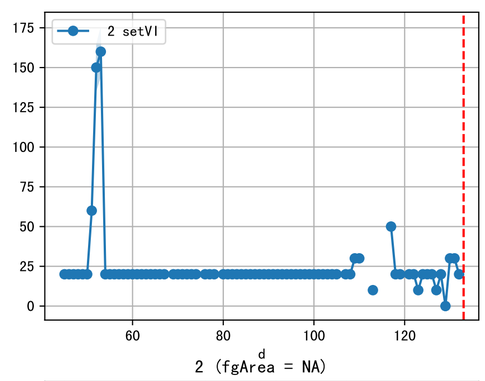

1 FR
d

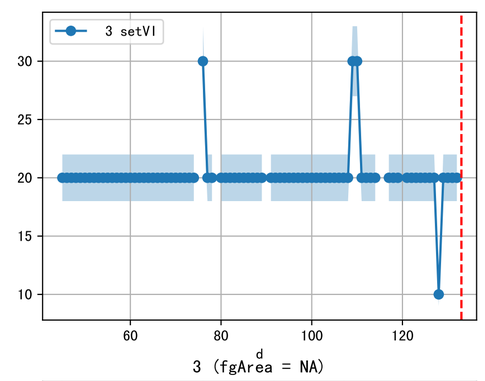

2 FR
d

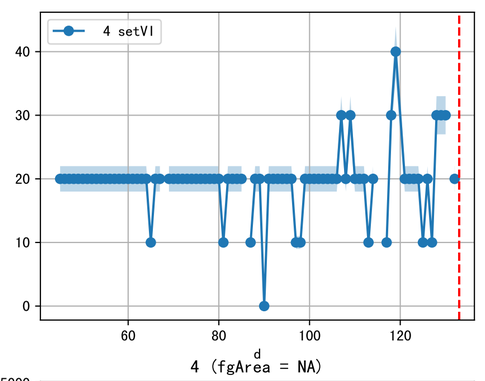

3 FR
d

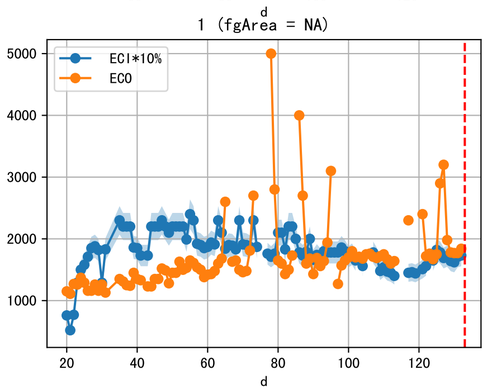

4 FR
d

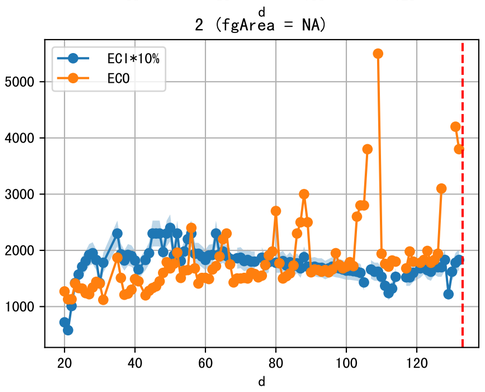

1 setVI
d

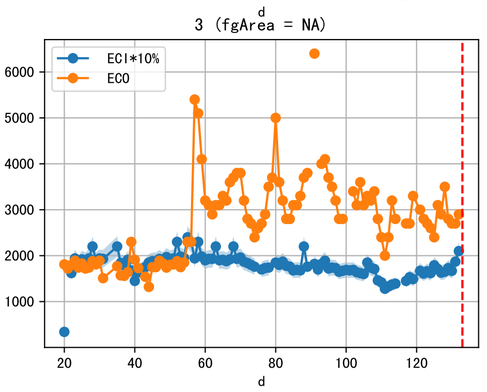

2 setVI
d

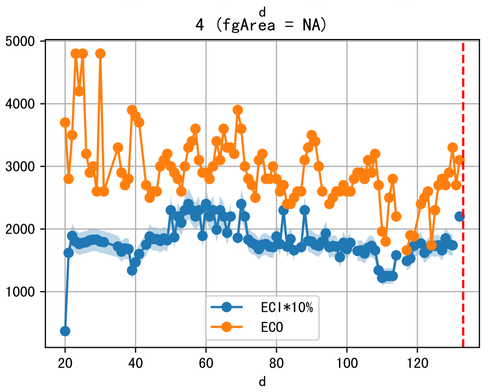

3 setVI
d

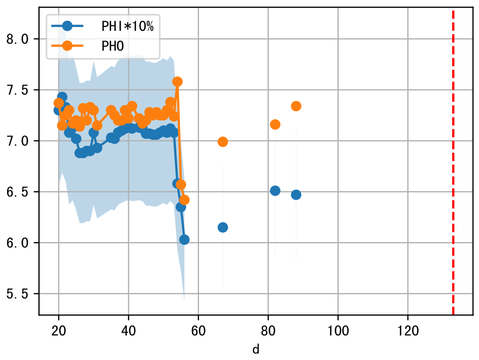

4 setVI
d

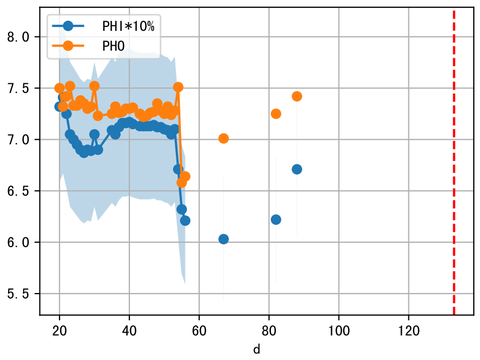

1 (fgArea = NA)
ECI*10%
ECO
d

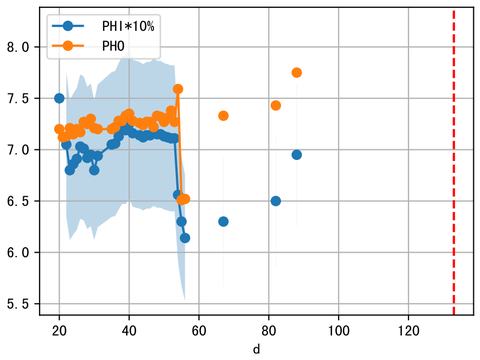

2 (fgArea = NA)
ECI*10%
ECO
d

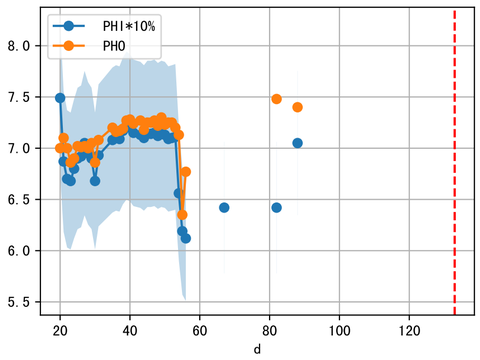

3 (fgArea = NA)
ECI*10%
ECO
d

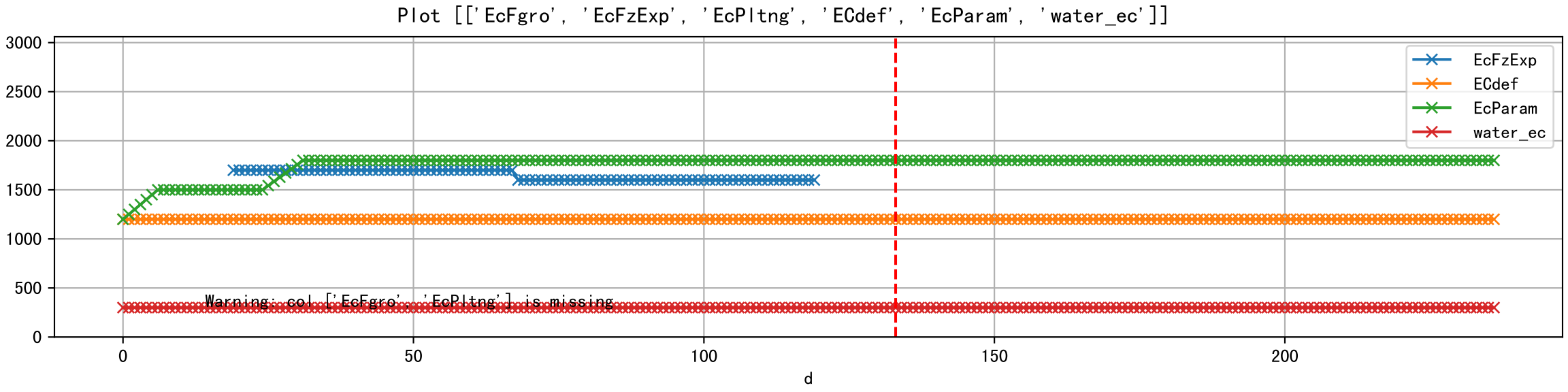

4 (fgArea = NA)
ECI*10%
ECO
d

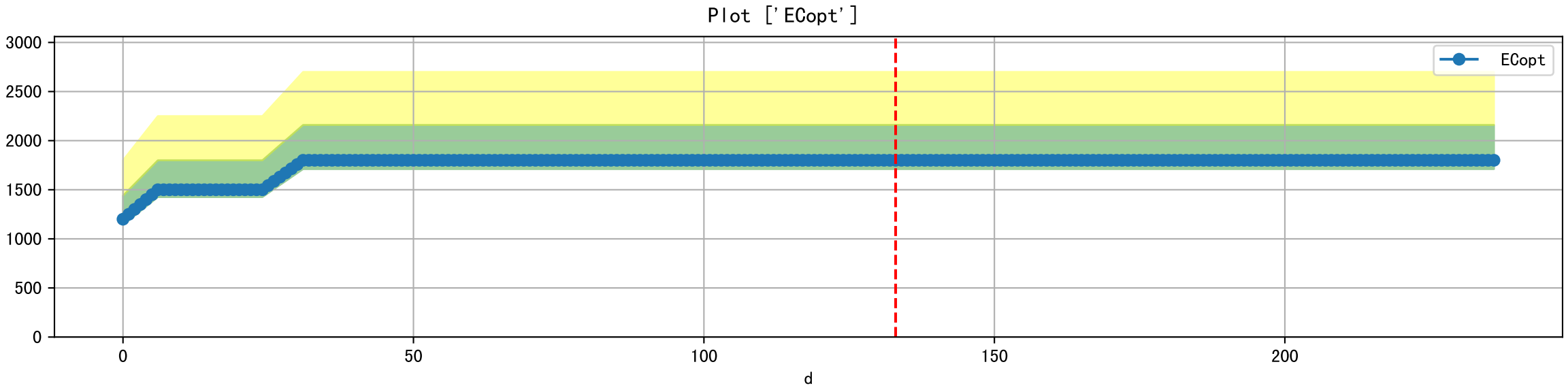

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

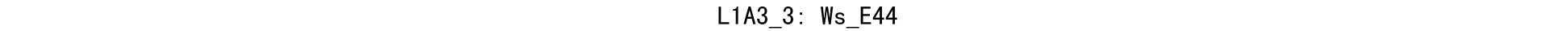

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

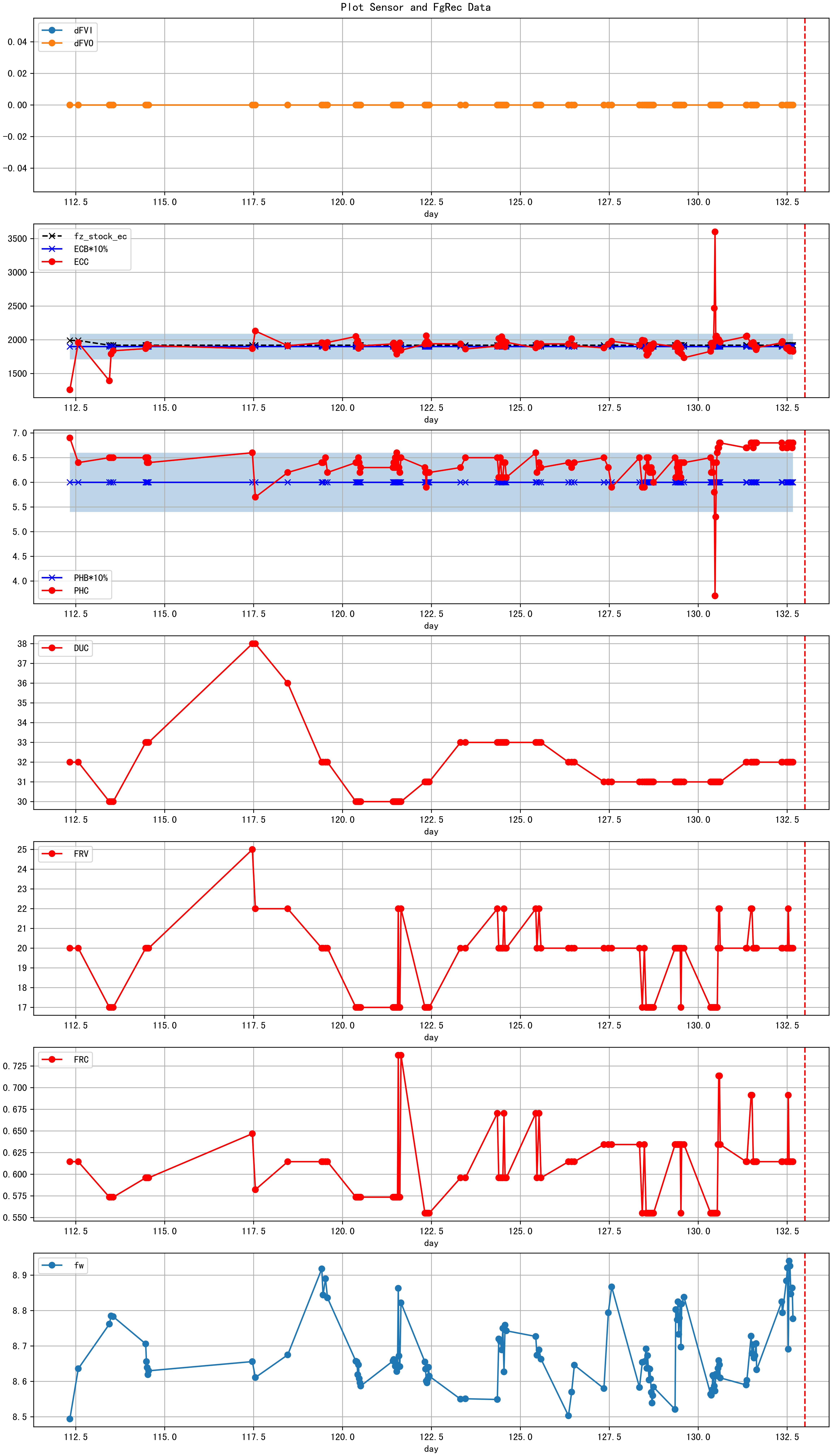

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

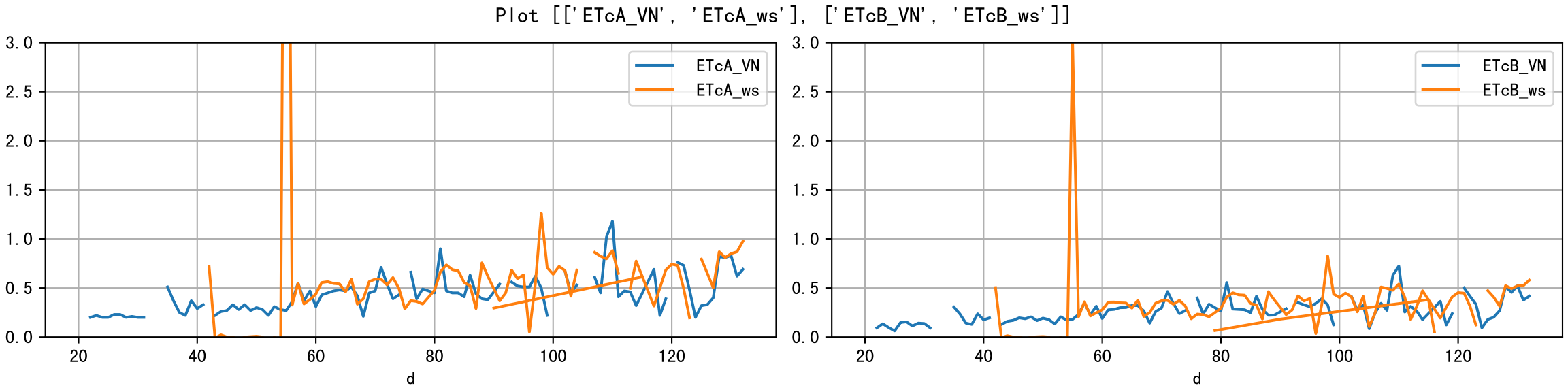

PHI*10%
PHO
8.0
7.5
7.0
6.5
6.0
5.5
20
40
60
80
100
120
d

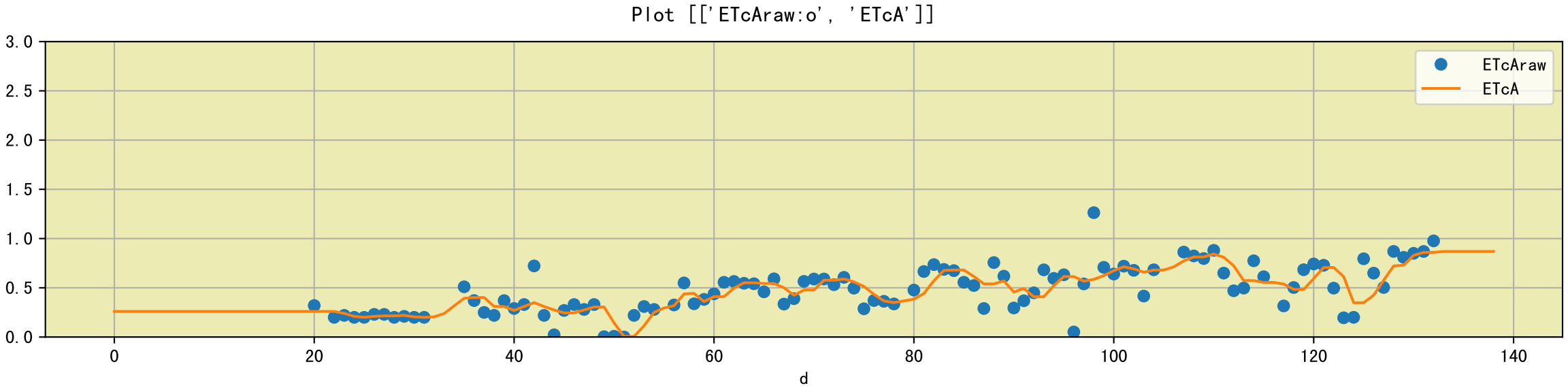

Plot [['EcFgro', 'EcFzExp', 'EcPltng', 'ECdef', 'EcParam', 'water_ec']]
EcFzExp
ECdef
EcParam
water_ec
Warning: col ['EcFgro', 'EcPltng'] is missing
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d

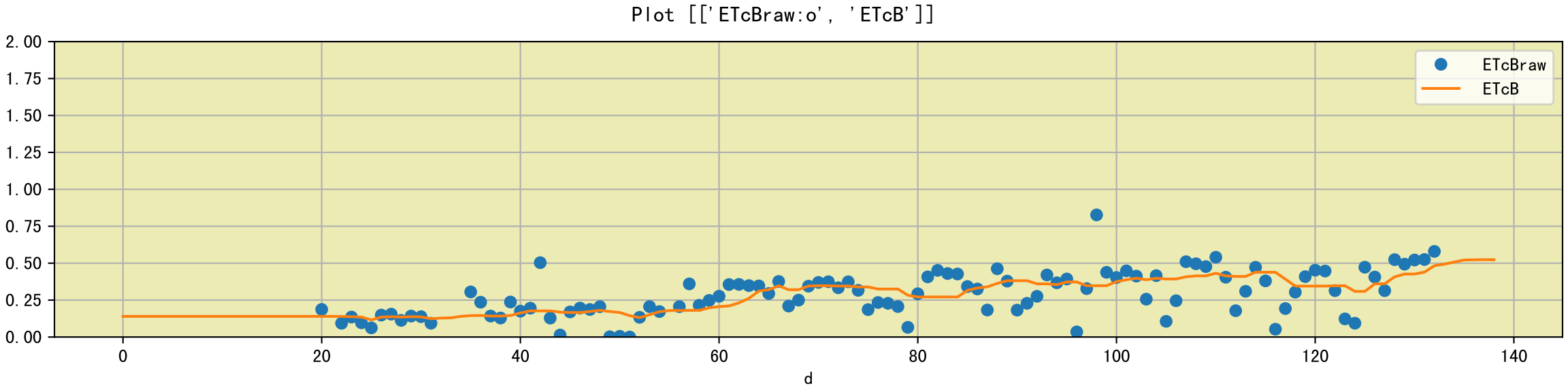

Plot ['ECopt']
ECopt
3000
2500
2000
1500
1000
500
0
0
50
100
150
200
d


L1A3_3: Ws_E44
0.050
0.025
0.000
−0.025
−0.050
20
10
0
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132

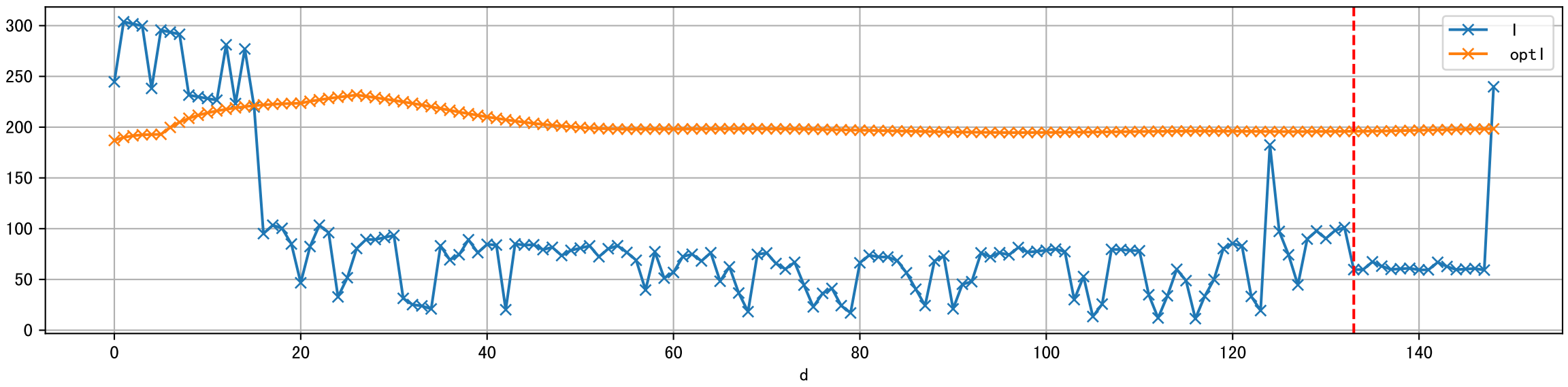

Plot Sensor and FgRec Data
dFVI
dFVO
fz_stock_ec
ECB*10%
ECC
PHB*10%
PHC
DUC
FRV
FRC
fw
day

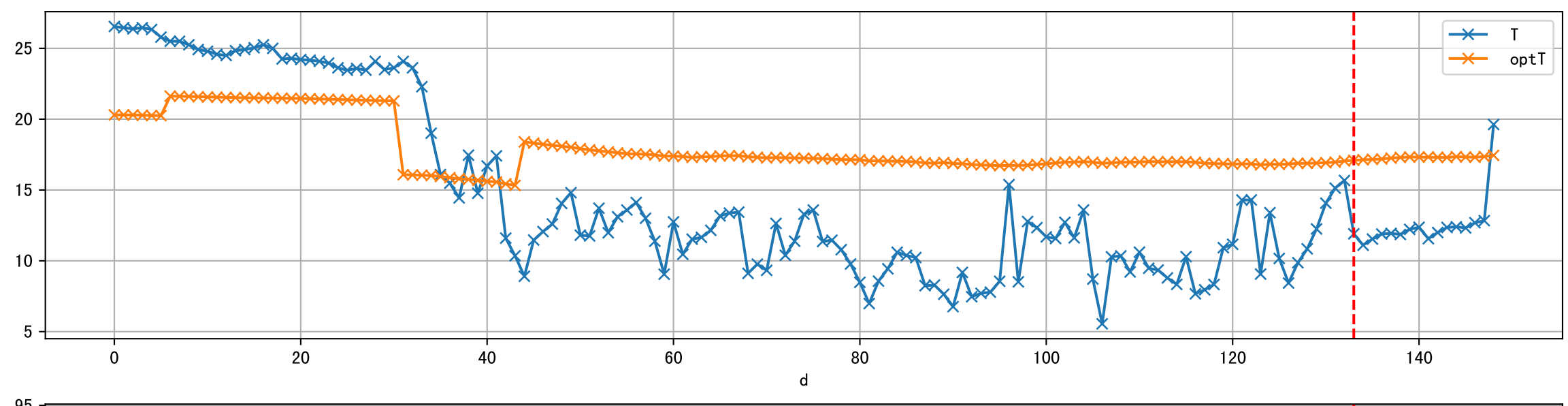

Plot [['ETcA_VN', 'ETcA_ws'], ['ETcB_VN', 'ETcB_ws']]
ETcA_VN
ETcA_ws
ETcB_VN
ETcB_ws
3.0
2.5
2.0
1.5
1.0
0.5
0.0
20
40
60
80
100
120
d

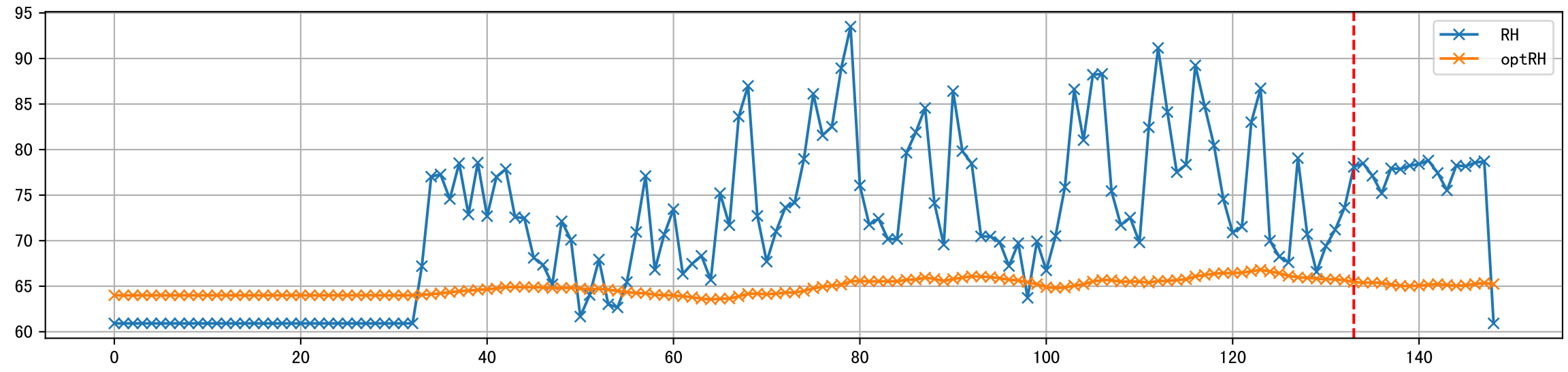

Plot [['ETcAraw:o', 'ETcA']]
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
20
40
60
80
100
120
140
d
ETcAraw
ETcA

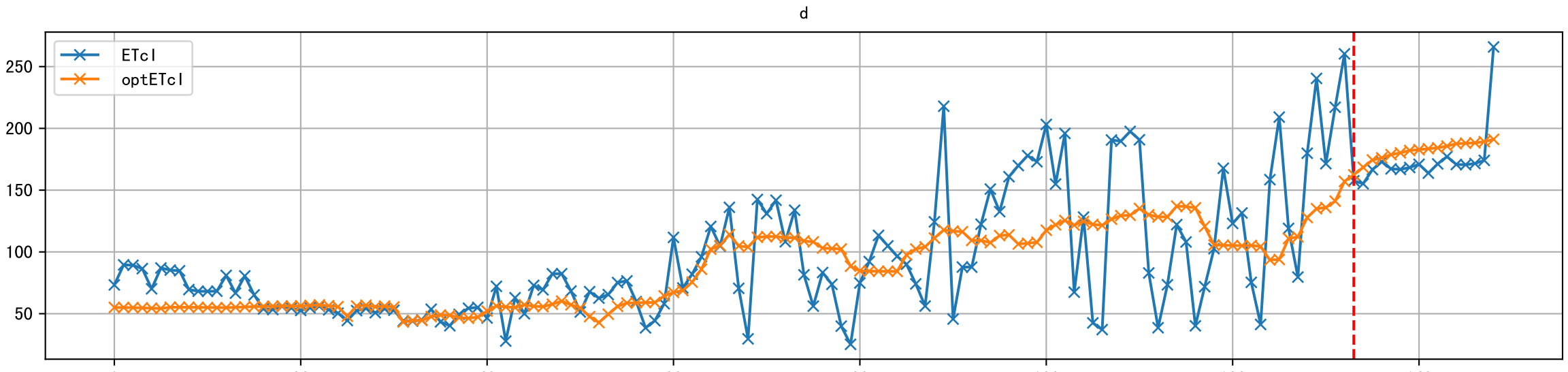

Plot [['ETcBraw:o', 'ETcB']]
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
0
20
40
60
80
100
120
140
d
ETcBraw
ETcB

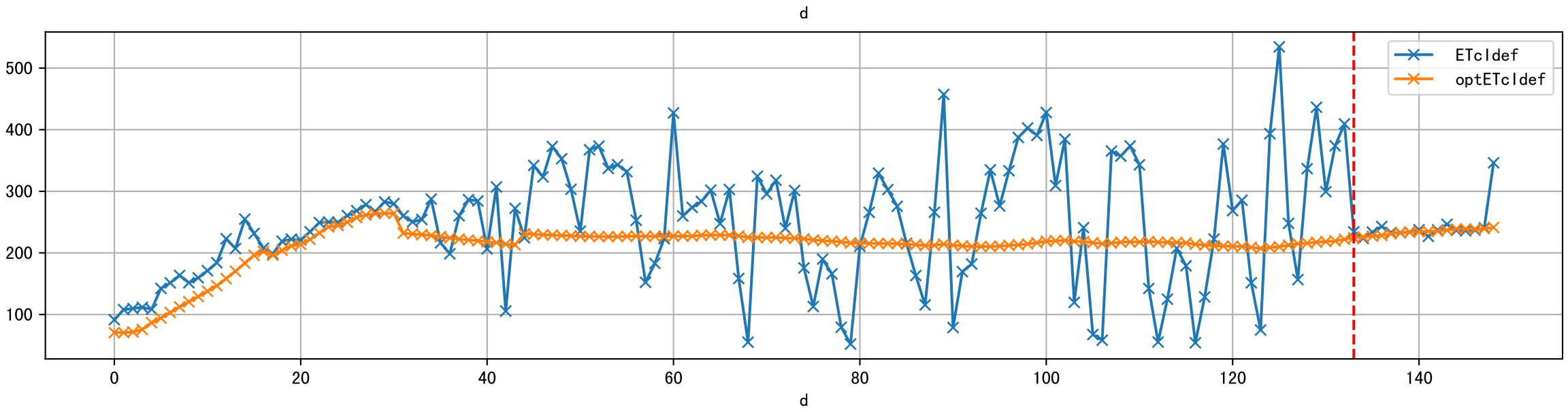
['I'], ['T', 'optT'], ['RH', 'optRH'], ['ETcI', 'optETcI'], ['ETcIdef', 'optETcIdef'], ['ETo', 'optETo'], 'LAI', ['optEtRate', 'optEtRateDef', '

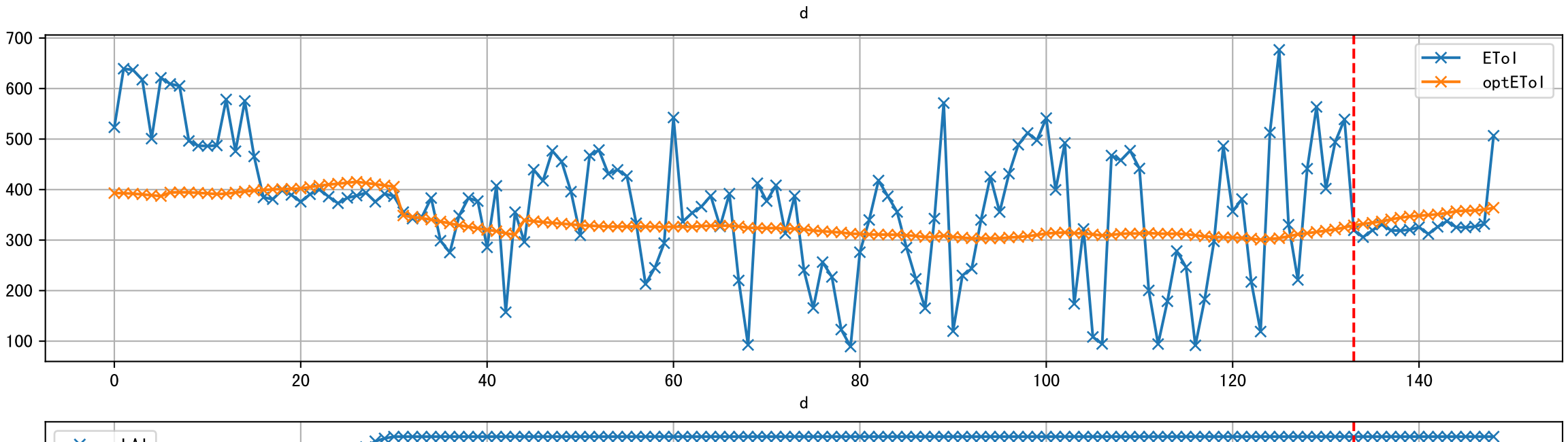


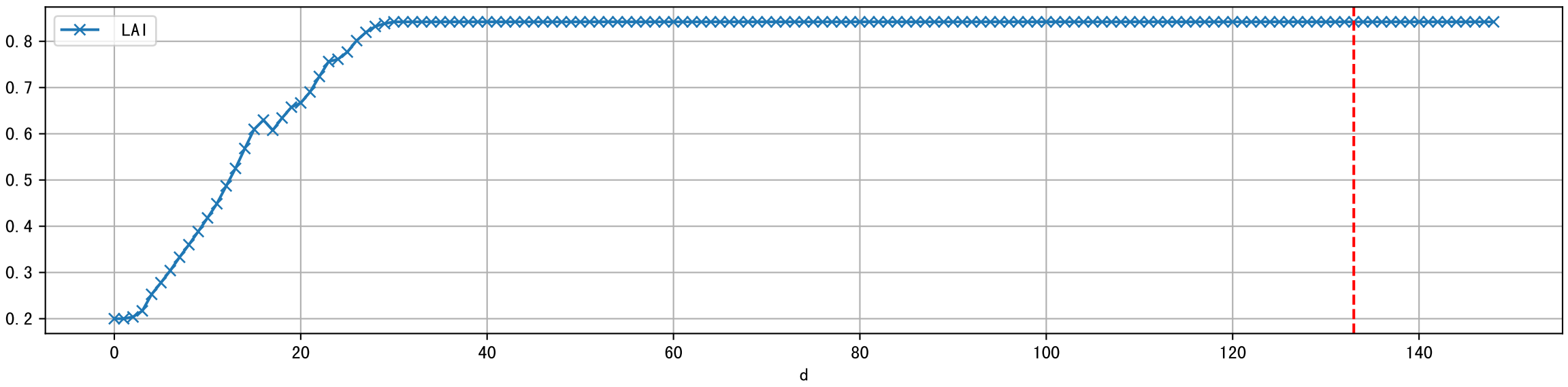


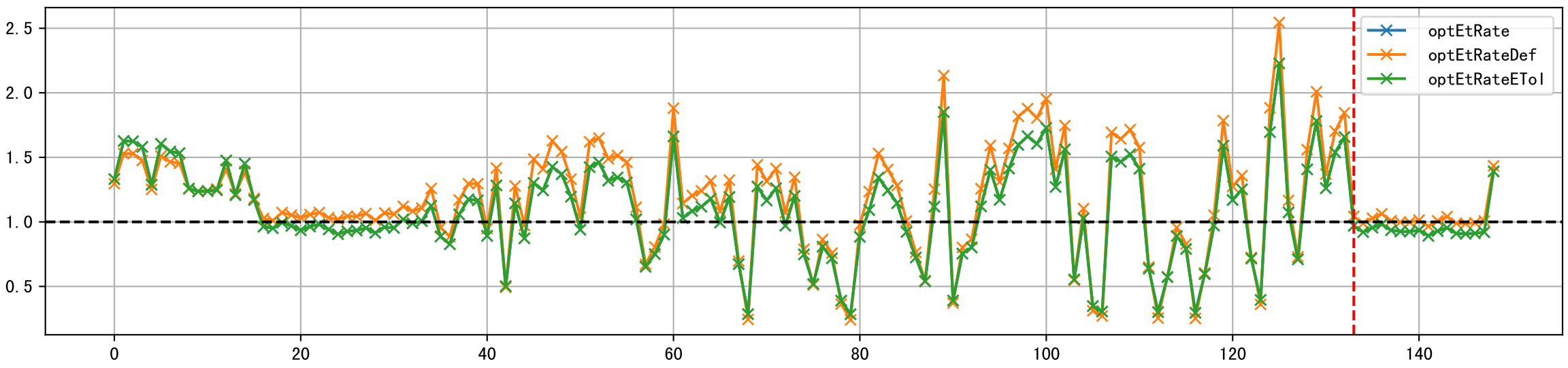


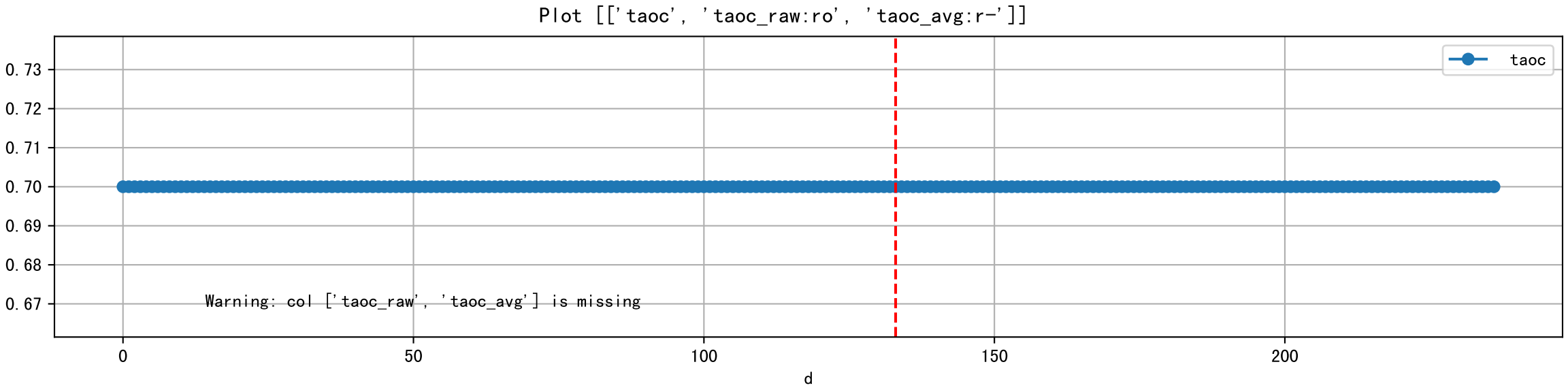


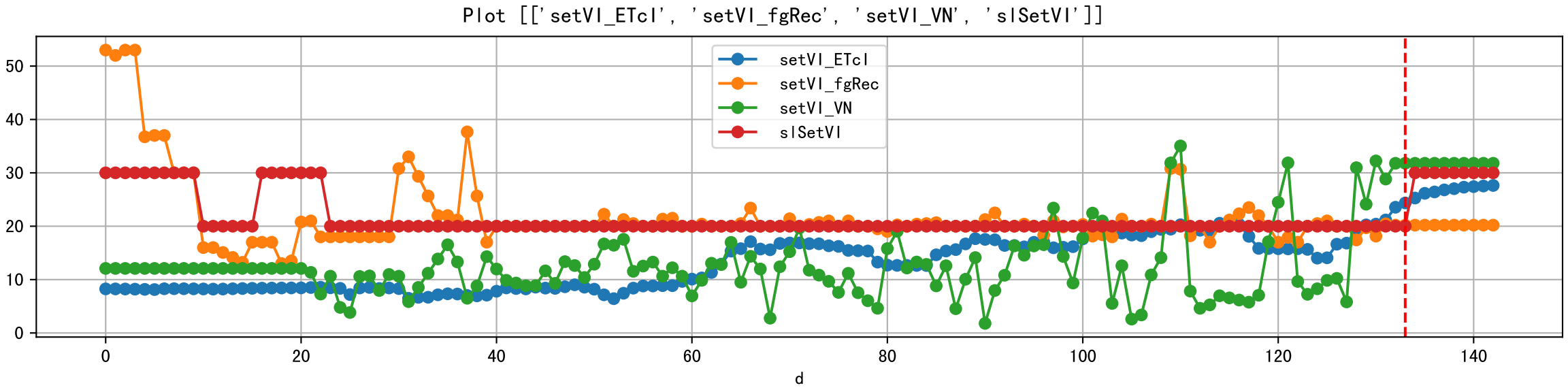


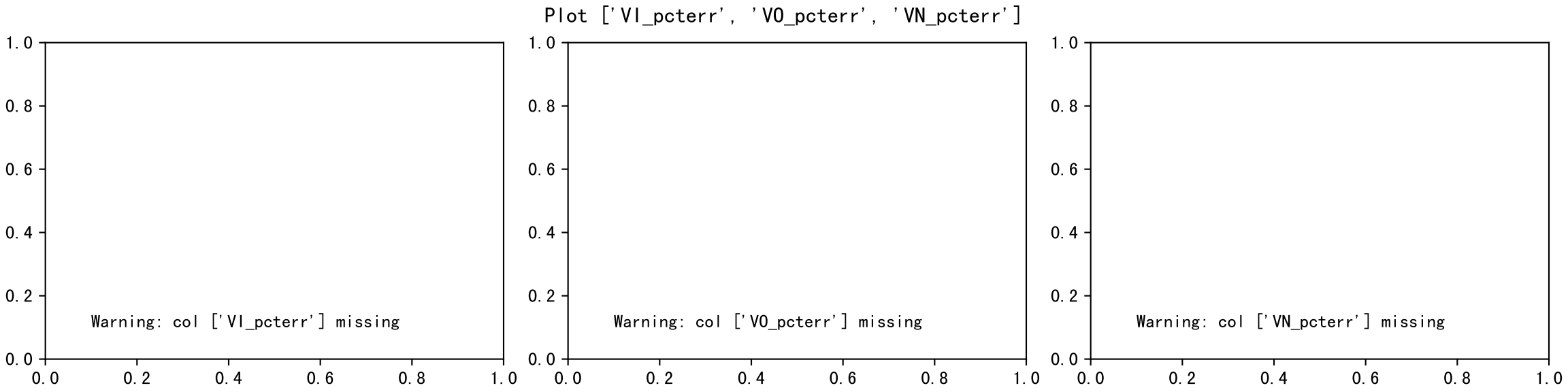


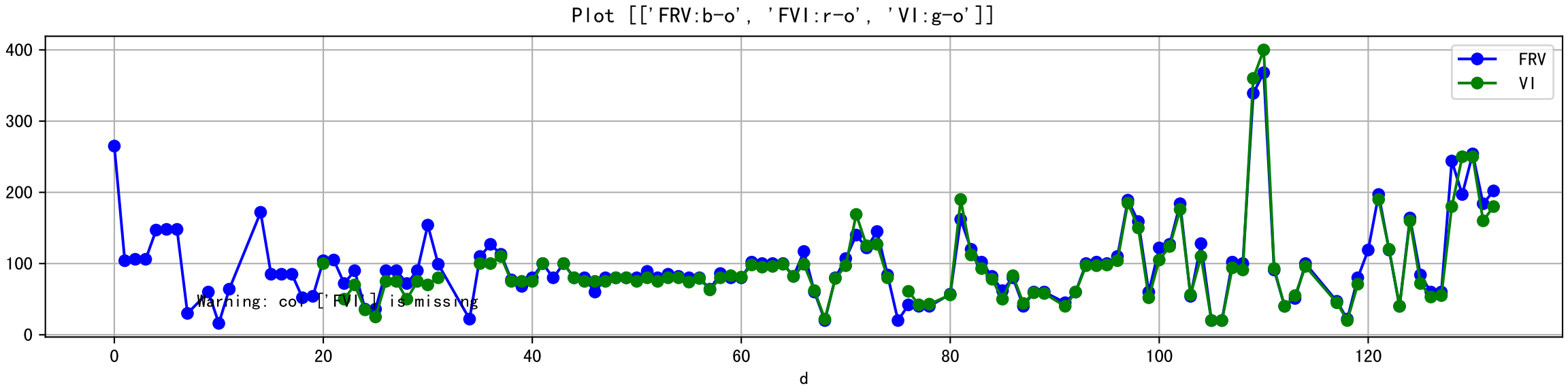


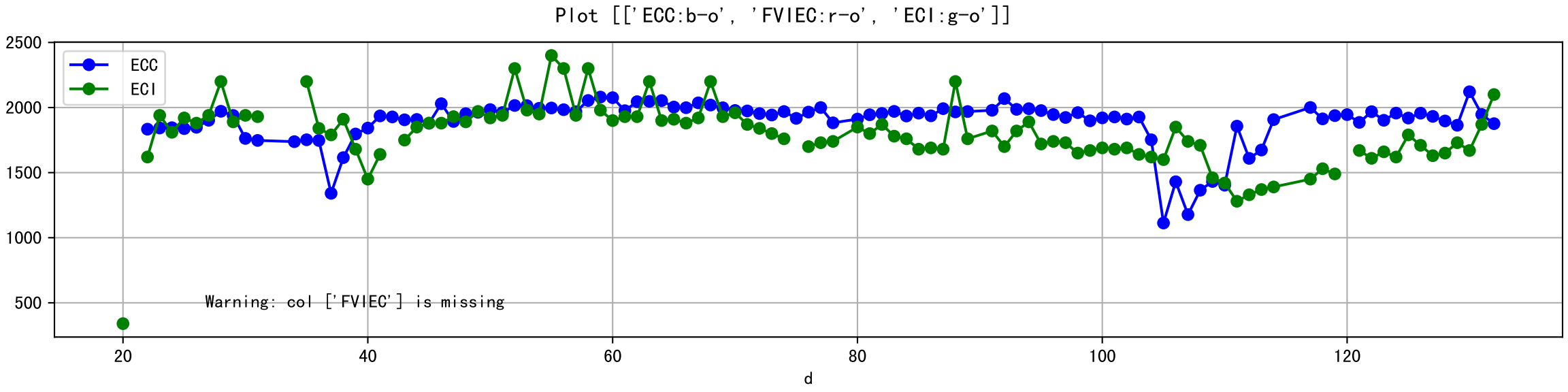


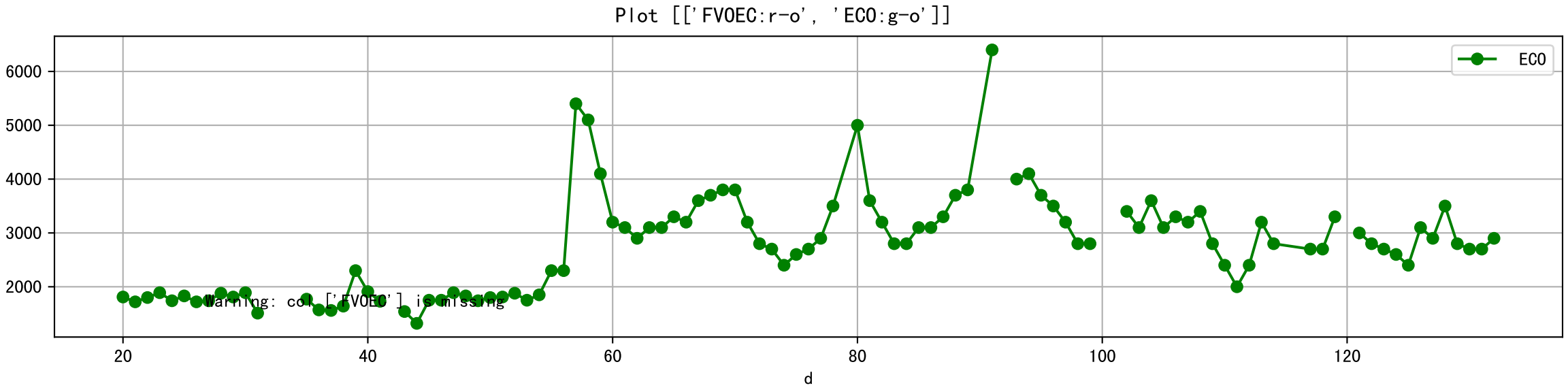

Plot [['taoc', 'taoc_raw:ro', 'taoc_avg:r-']]
taoc
0.73
0.72
0.71
0.70
0.69
0.68
0.67
Warning: col ['taoc_raw', 'taoc_avg'] is missing
0
50
100
150
200
d

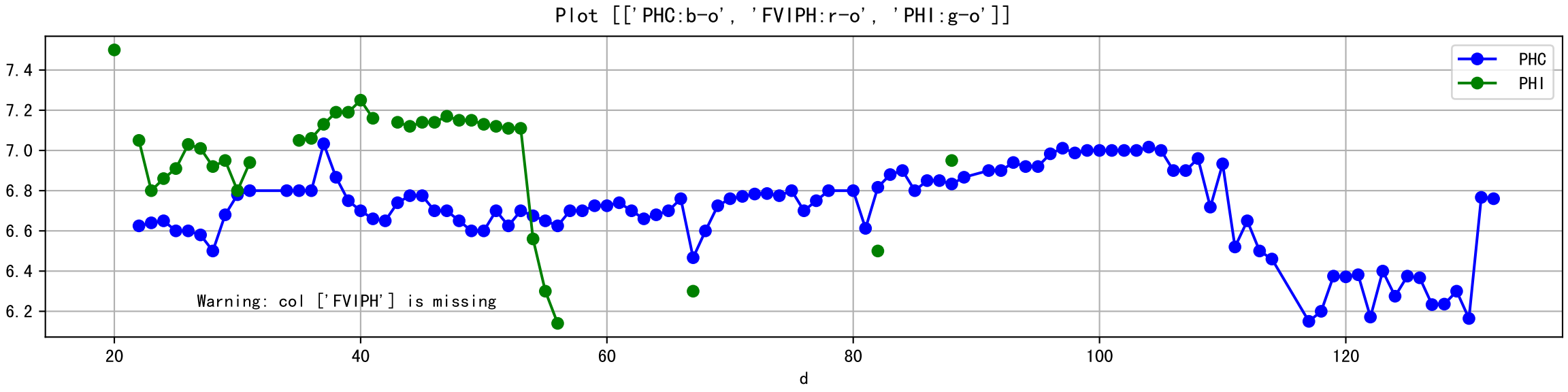

Plot [['setVI_ETcI', 'setVI_fgRec', 'setVI_VN', 'slSetVI']]
setVI_ETcI
setVI_fgRec
setVI_VN
slSetVI
0
10
20
30
40
50
0
20
40
60
80
100
120
140
d

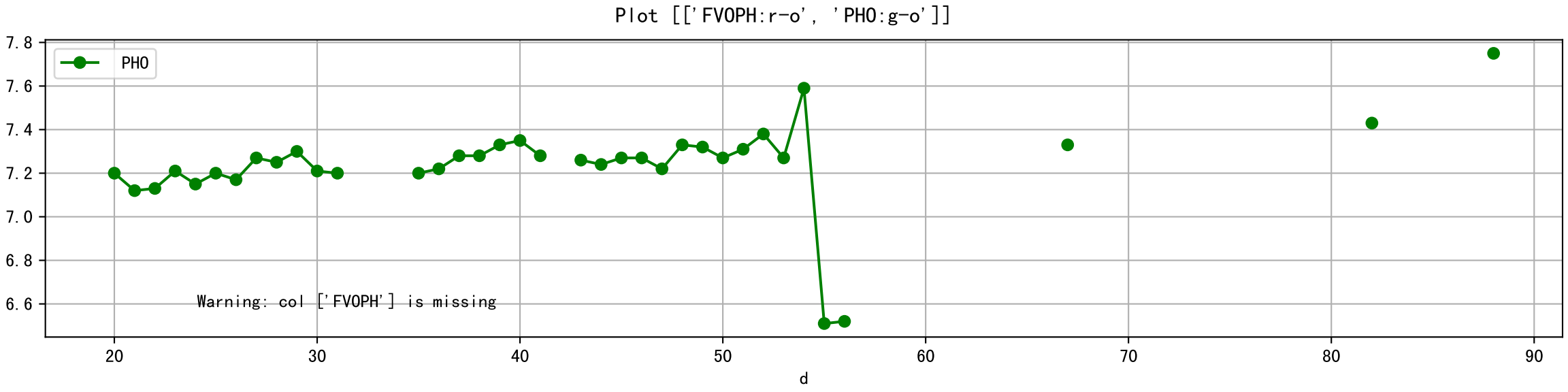

Plot ['VI_pcterr', 'VO_pcterr', 'VN_pcterr']
Warning: col ['VI_pcterr'] missing
Warning: col ['VO_pcterr'] missing
Warning: col ['VN_pcterr'] missing
0.0
0.2
0.4
0.6
0.8
1.0

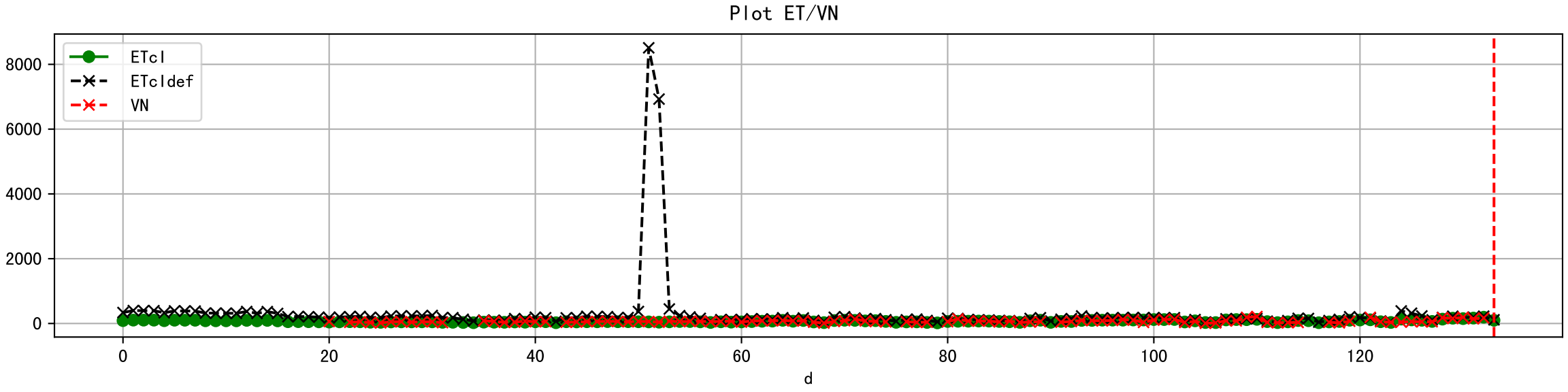

Plot [['FRV:b-o', 'FVI:r-o', 'VI:g-o']]
FRV
VI
Warning: col ['FVI'] is missing
0
100
200
300
400
0
20
40
60
80
100
120
d


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

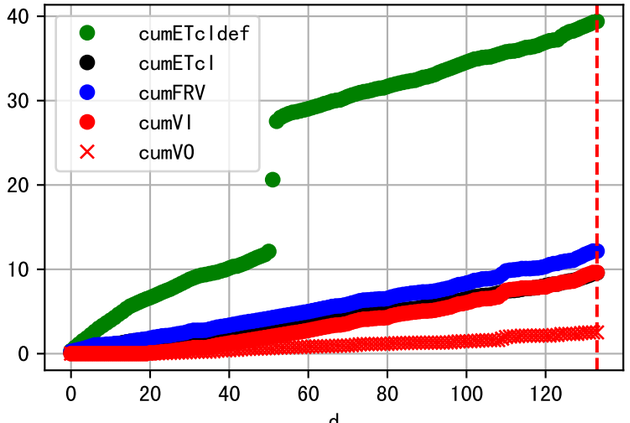

Plot [['FVOEC:r-o', 'ECO:g-o']]
ECO
Warning: col ['FVOEC'] is missing
6000
5000
4000
3000
2000
20
40
60
80
100
120
d

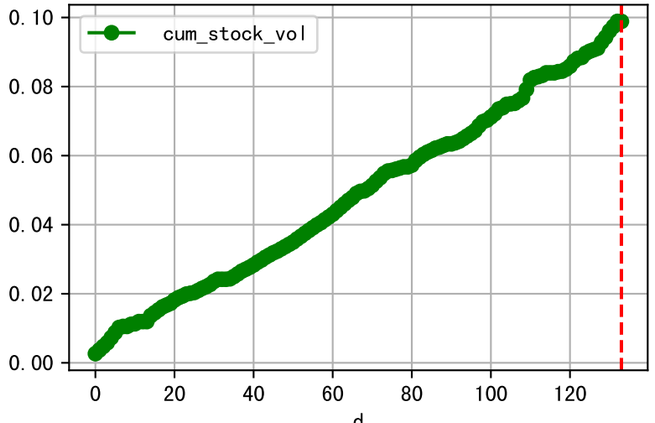

Plot [['PHC:b-o', 'FVIPH:r-o', 'PHI:g-o']]
PHC
PHI
Warning: col ['FVIPH'] is missing
7.4
7.2
7.0
6.8
6.6
6.4
6.2
20
40
60
80
100
120
d

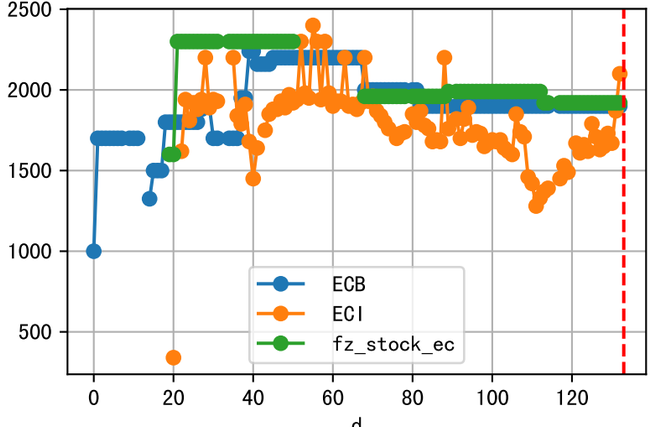

Plot [['FVOPH:r-o', 'PHO:g-o']]
PHO
Warning: col ['FVOPH'] is missing
7.8
7.6
7.4
7.2
7.0
6.8
6.6
20
30
40
50
60
70
80
90
d

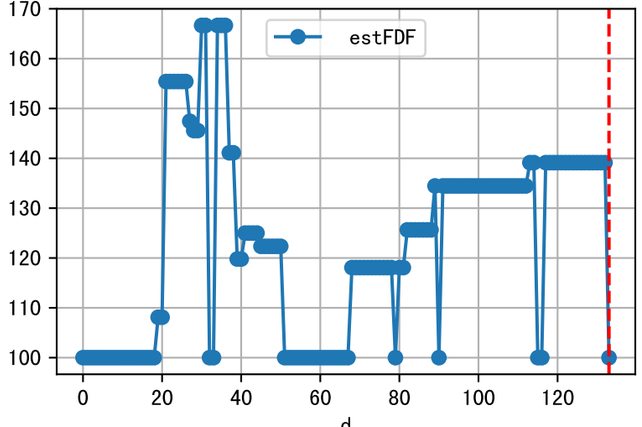

Plot ET/VN
ETcl
ETcldef
VN
8000
6000
4000
2000
0
0
20
40
60
80
100
120
d

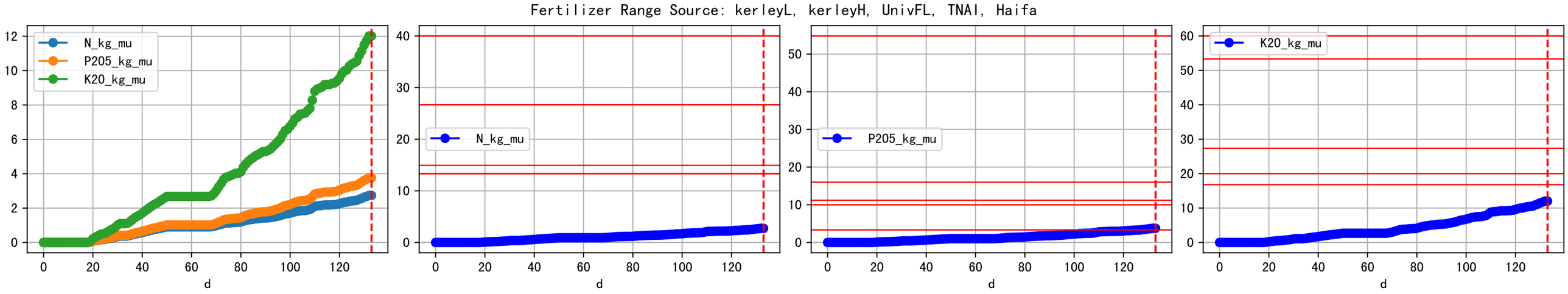
Plot Fv and fertilizer usage

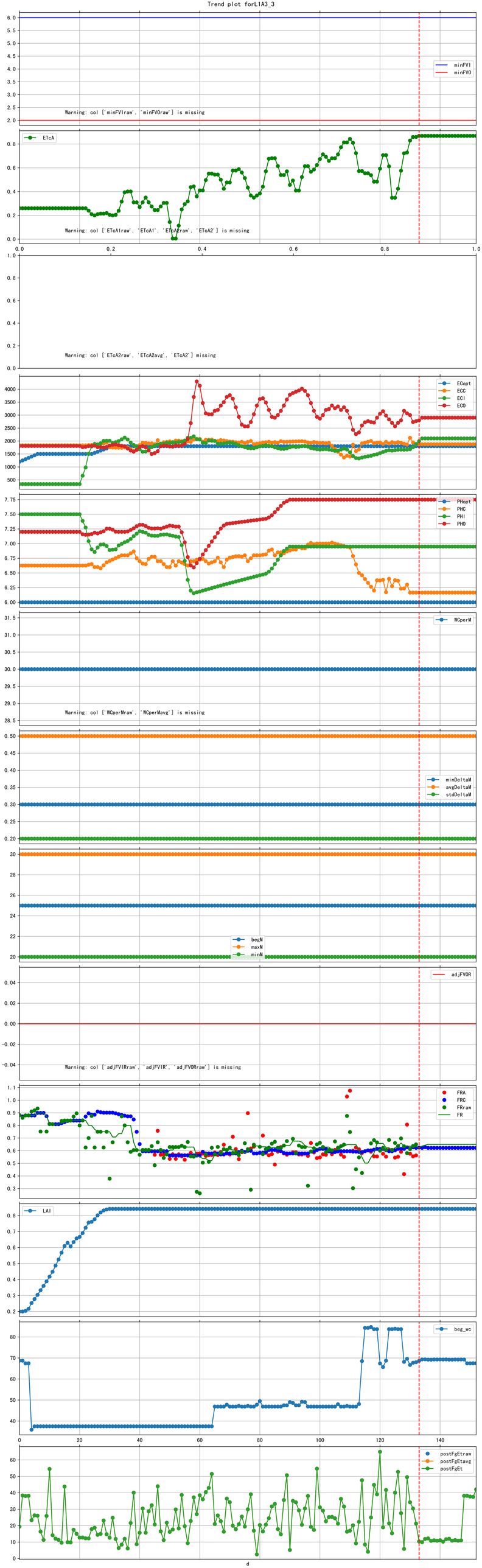


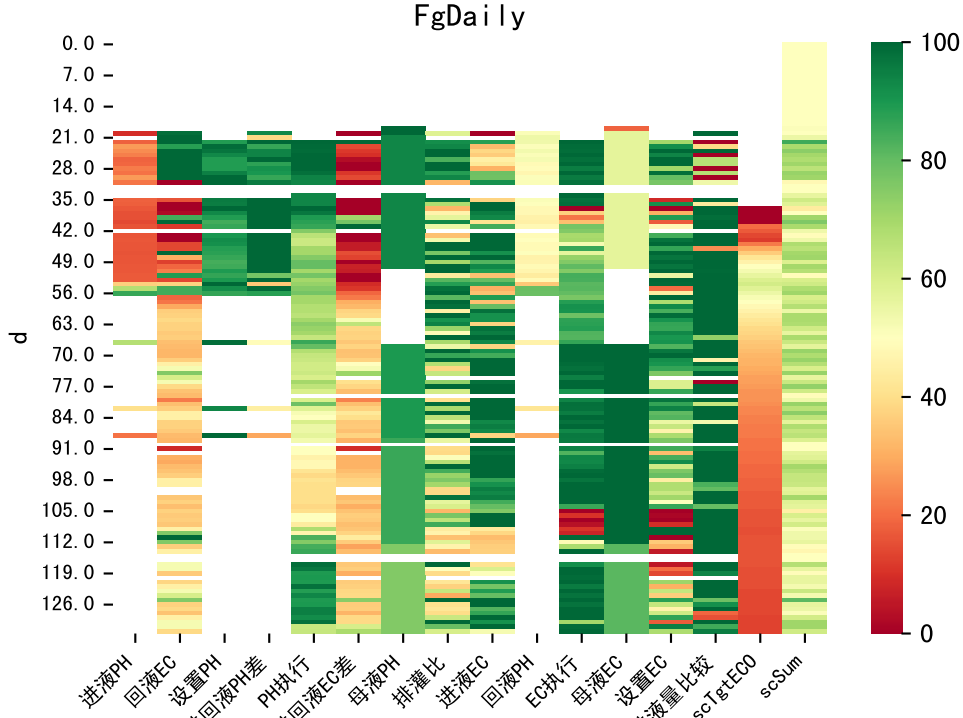




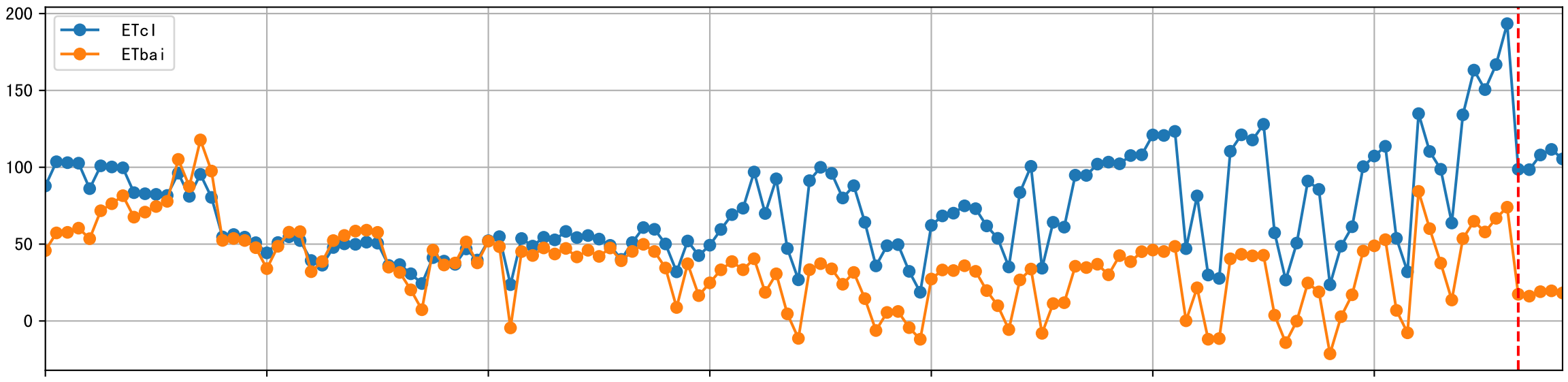


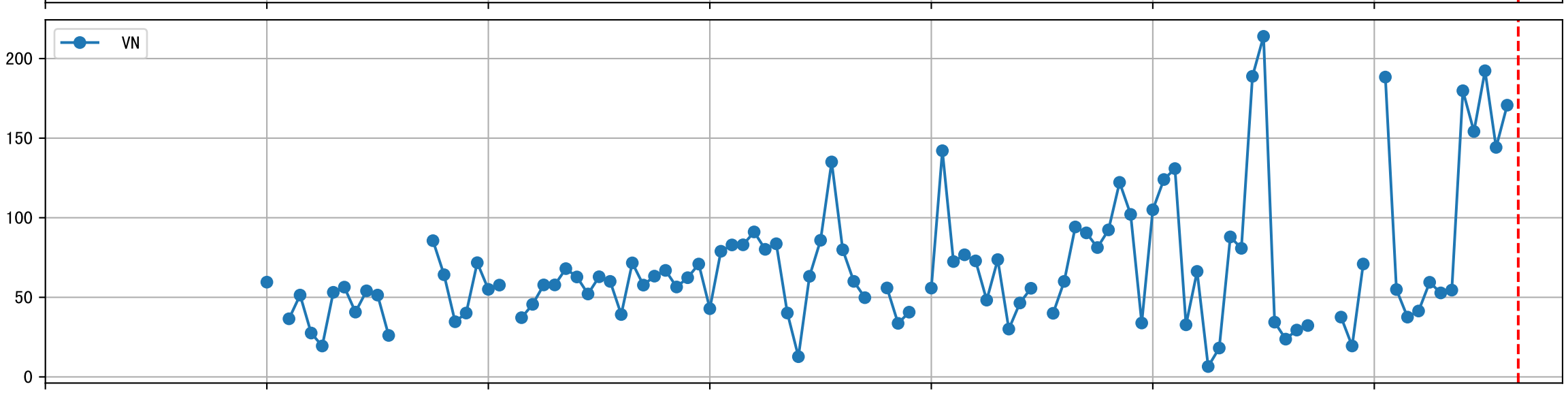

Fertilizer Range Source: kerleyL, kerleyH, UnivFL, TNAI, Haifa
N_kg_mu
P205_kg_mu
K20_kg_mu
d

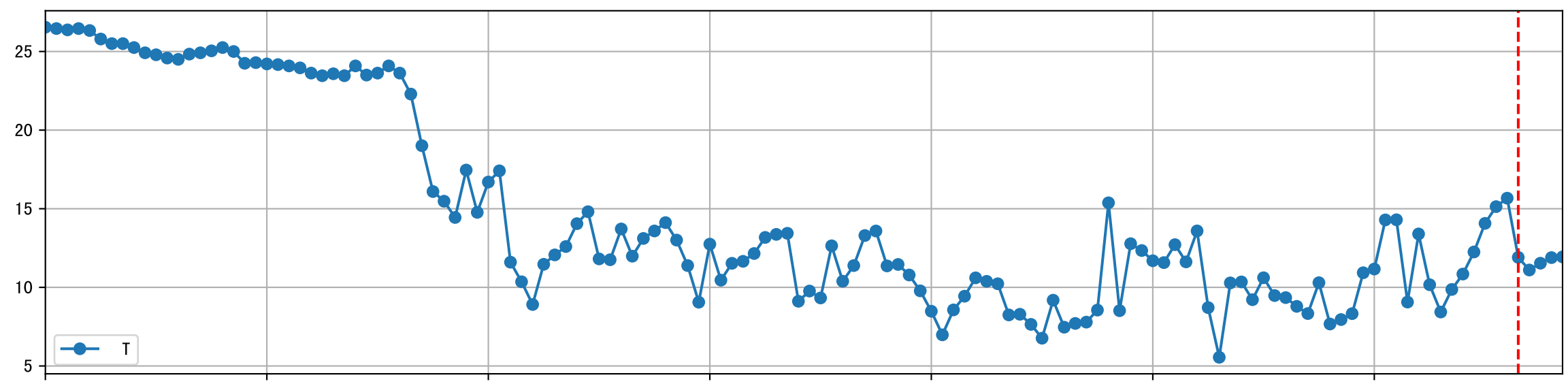

Trend plot forL1A3_3
minFVI
minFVO
Warning: col ['minFVIraw', 'minFVOraw'] is missing
ETcA
Warning: col ['ETcA1raw', 'ETcA1', 'ETcA2raw', 'ETcA2'] is missing
Warning: col ['ETcA2raw', 'ETcA2avg', 'ETcA2'] is missing
ECopt
ECc
ECi
ECO
PHopt
PHC
PHI
PHO
WCperM
Warning: col ['WCperMraw', 'WCperMavg'] is 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

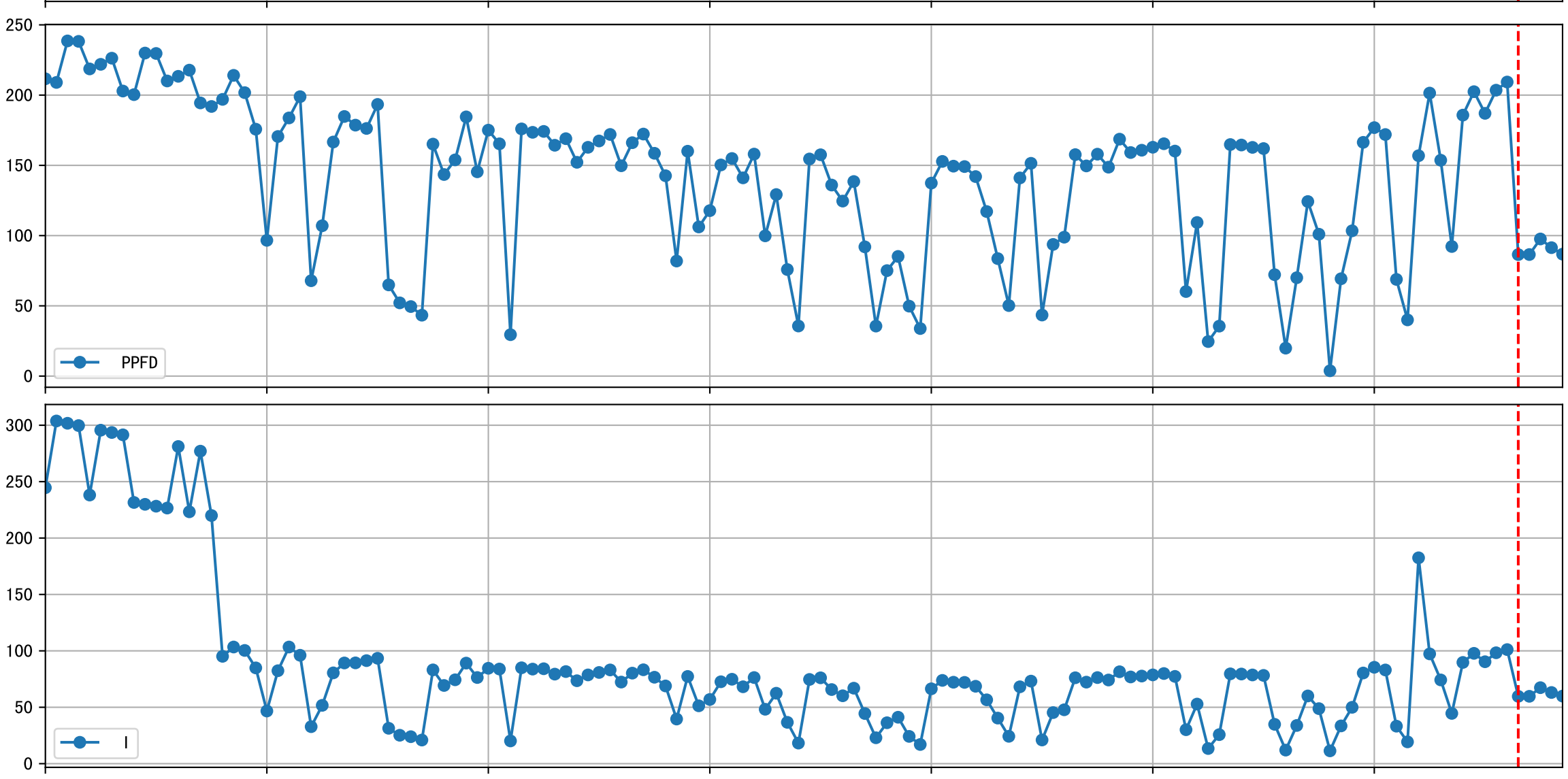

FgDaily
d
0.0
7.0
14.0
21.0
28.0
35.0
42.0
49.0
56.0
63.0
70.0
77.0
84.0
91.0
98.0
105.0
112.0
119.0
126.0
100
80
60
40
20
0
进液PH
回液EC
设置PH
回液PH差
PH执行
回液EC差
母液PH
排灌比
进液EC
回液PH
EC执行
母液EC
设置EC
液量比较
scTgtEC0
scSum

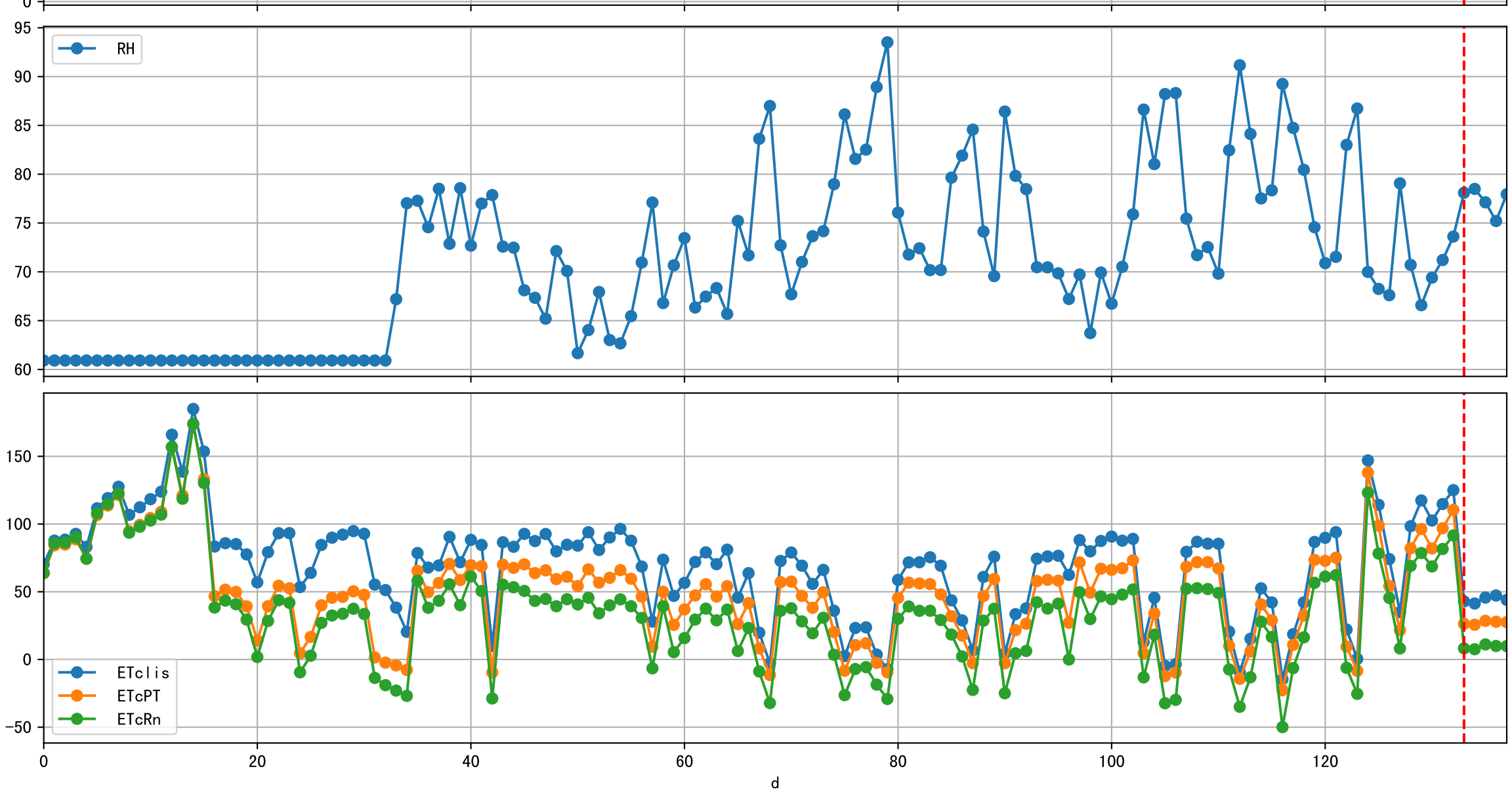
L1A3_3

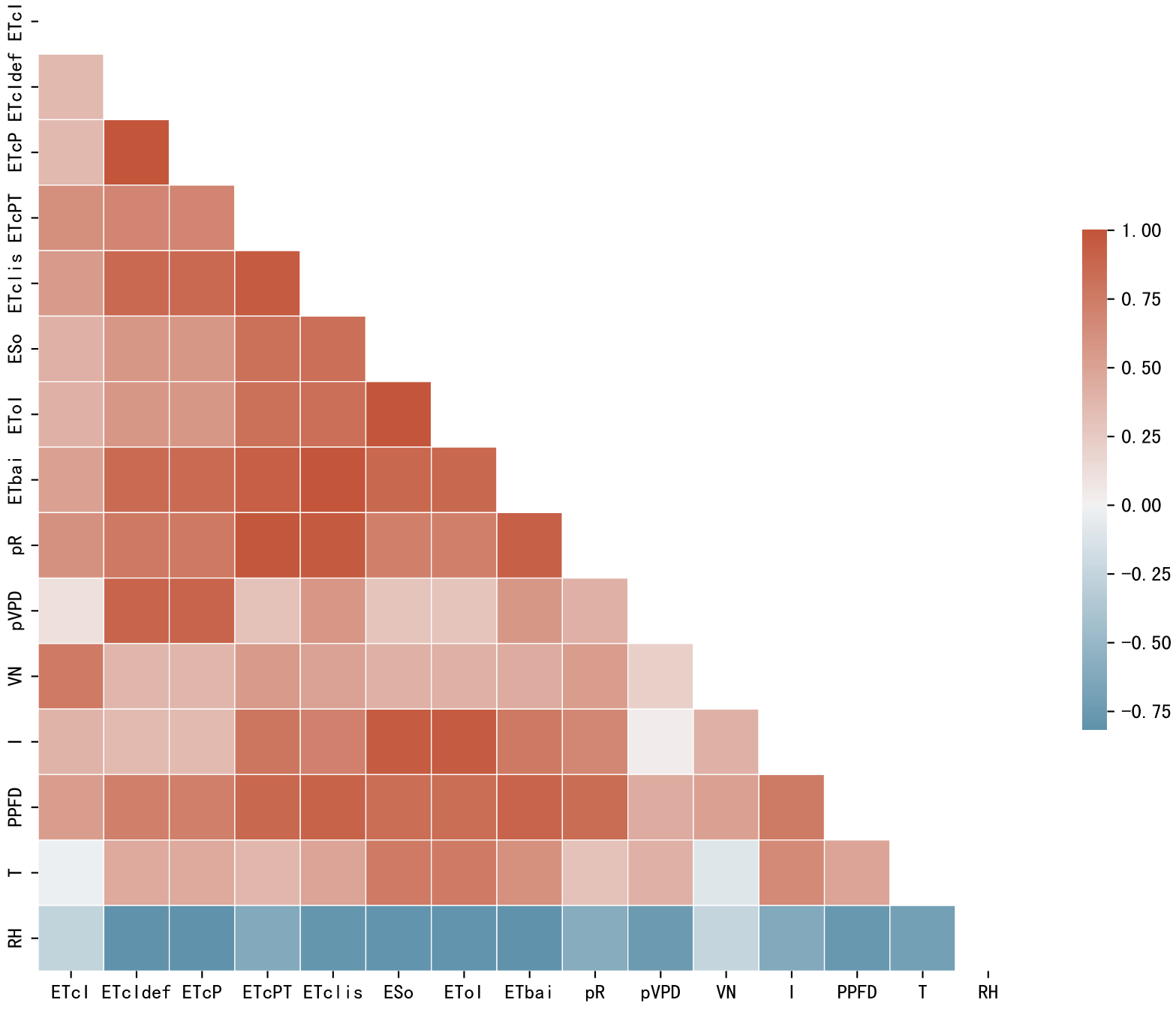


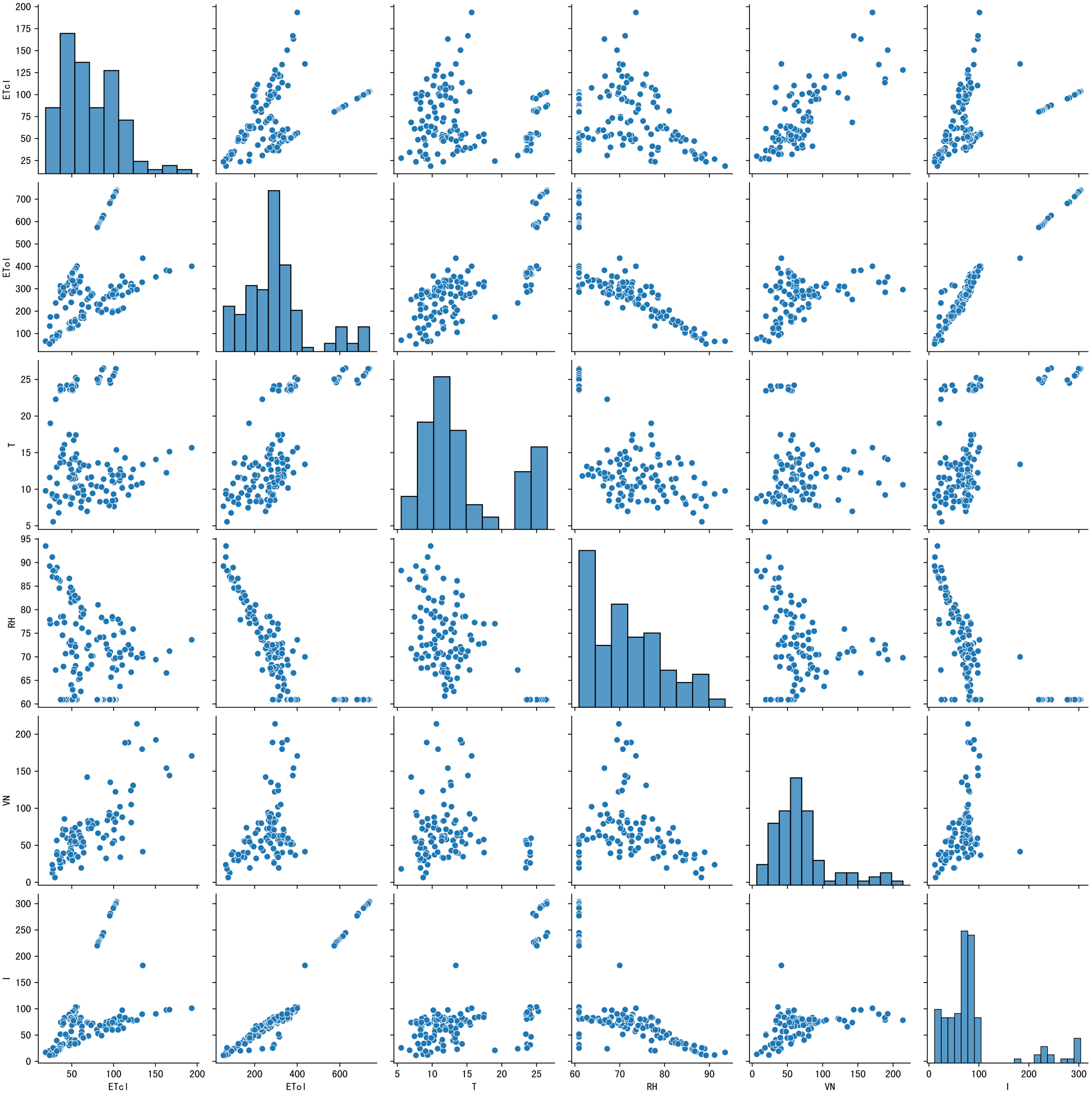


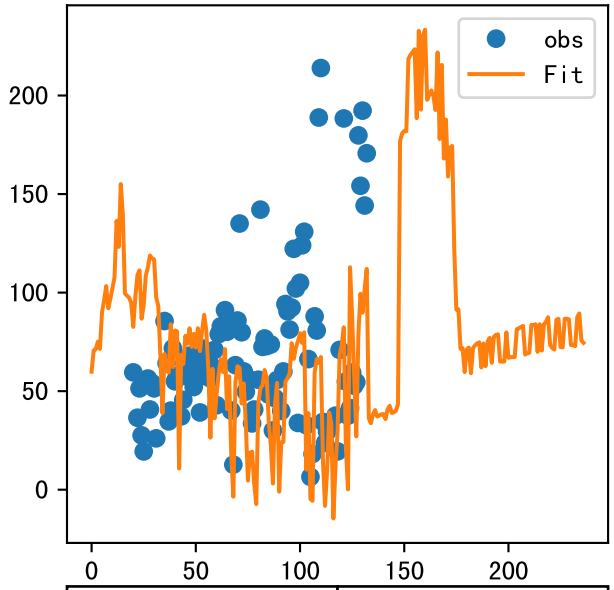


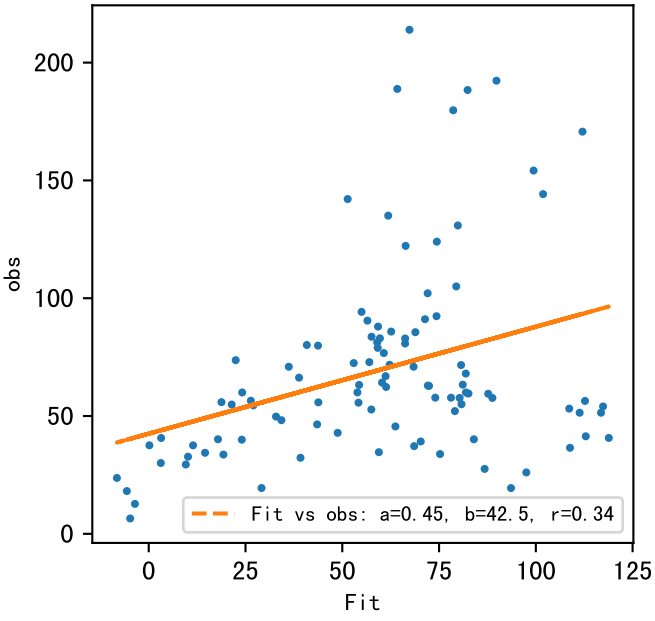




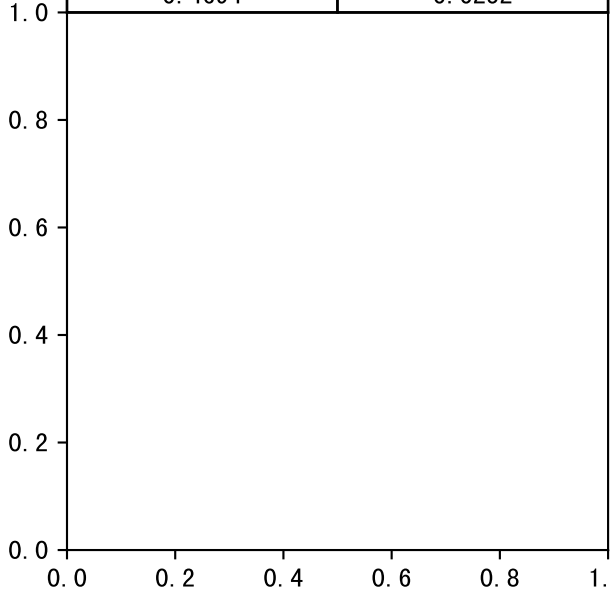

ETcl
ETcldef
ETcP
ETcPT
ETclis
ESo
ETol
ETbai
pR
pVPD
VN
I
PPFD
T
RH
1.00
0.75
0.50
0.25
0.00
−0.25
−0.50
−0.75

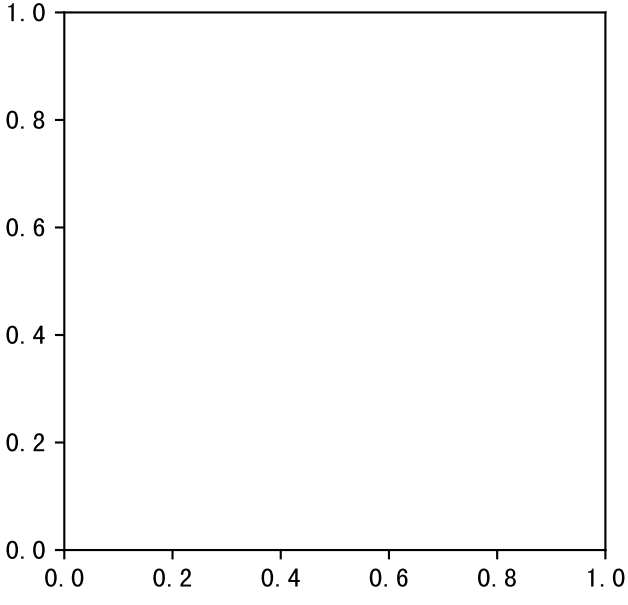

ETcl
ETol
T
RH
VN
I
ETcl
ETol
T
RH
VN
I

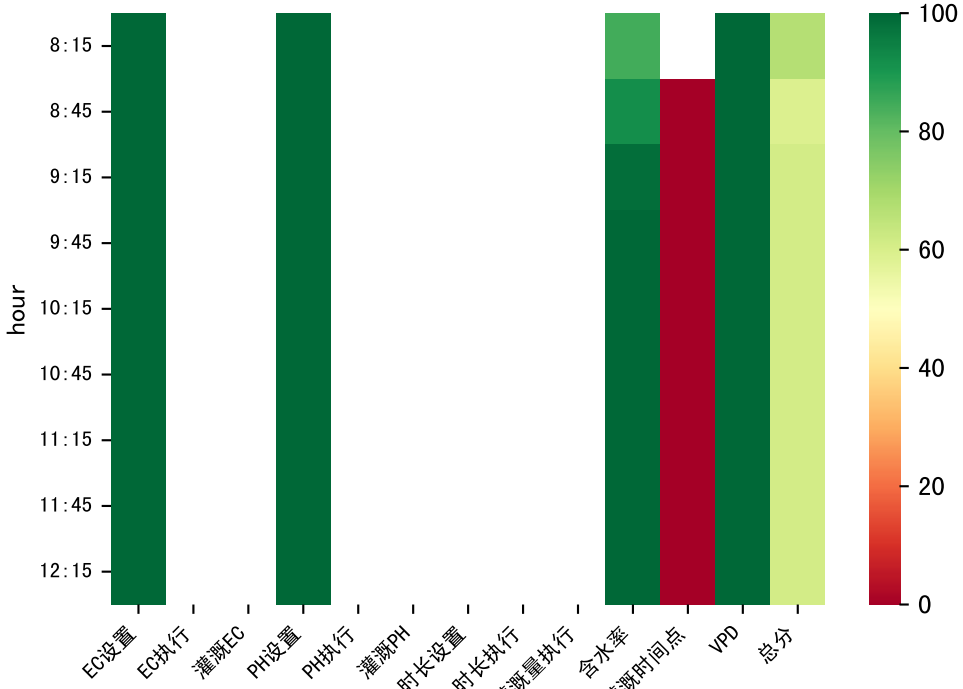




baiA	baiB
0.4694	0.0252

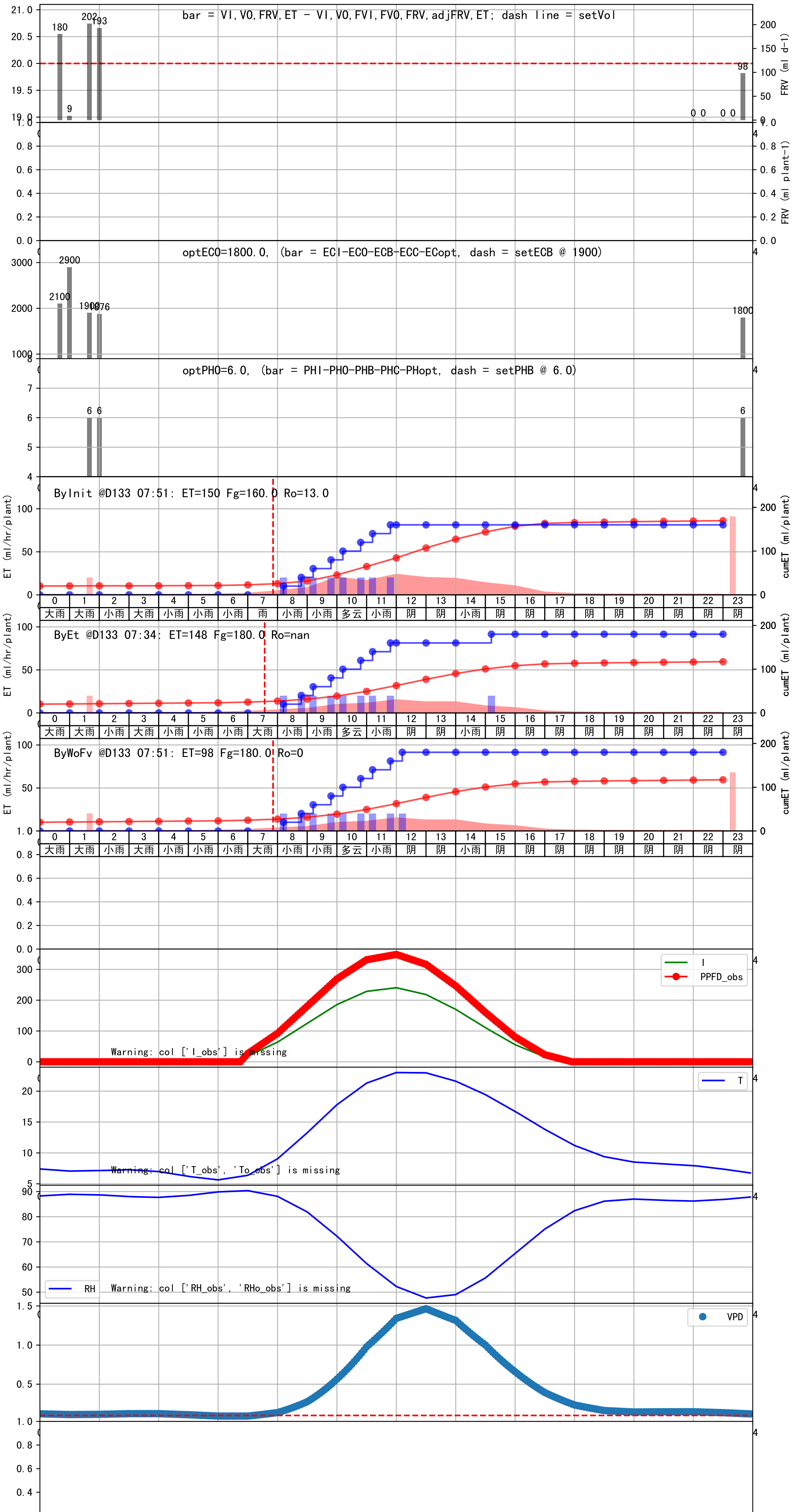


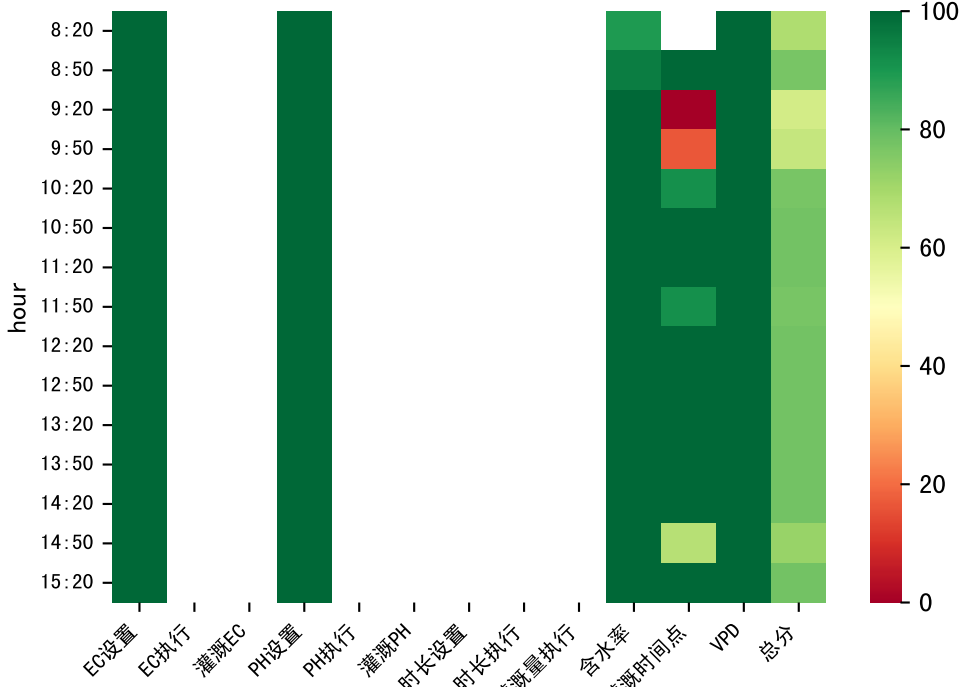



hour
8:15
8:45
9:15
9:45
10:15
10:45
11:15
11:45
12:15
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

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	32	20.0	0.081	小雨	预期@08:15 自主（未用传感器）
08:45	32	20.0	0.081	小雨	预期@08:45 自主（未用传感器）
09:15	32	20.0	0.081	小雨	预期@09:15 自主（未用传感器）
09:45	32	20.0	0.081	小雨	预期@09:45 自主（未用传感器）
10:15	32	20.0	0.081	多云	预期@10:15 自主（未用传感器）
10:45	32	20.0	0.081	多云	预期@10:45 自主（未用传感器）
11:15	32	20.0	0.081	小雨	预期@11:15 自主（未用传感器）
11:45	32	20.0	0.081	小雨	预期@11:45 自主（未用传感器）
12:15	32	20.0	0.081	阴	预期@12:15 自主（未用传感器）
总计	288.0 (9次)	180.0			建议进液EC：1900， PH：6.0

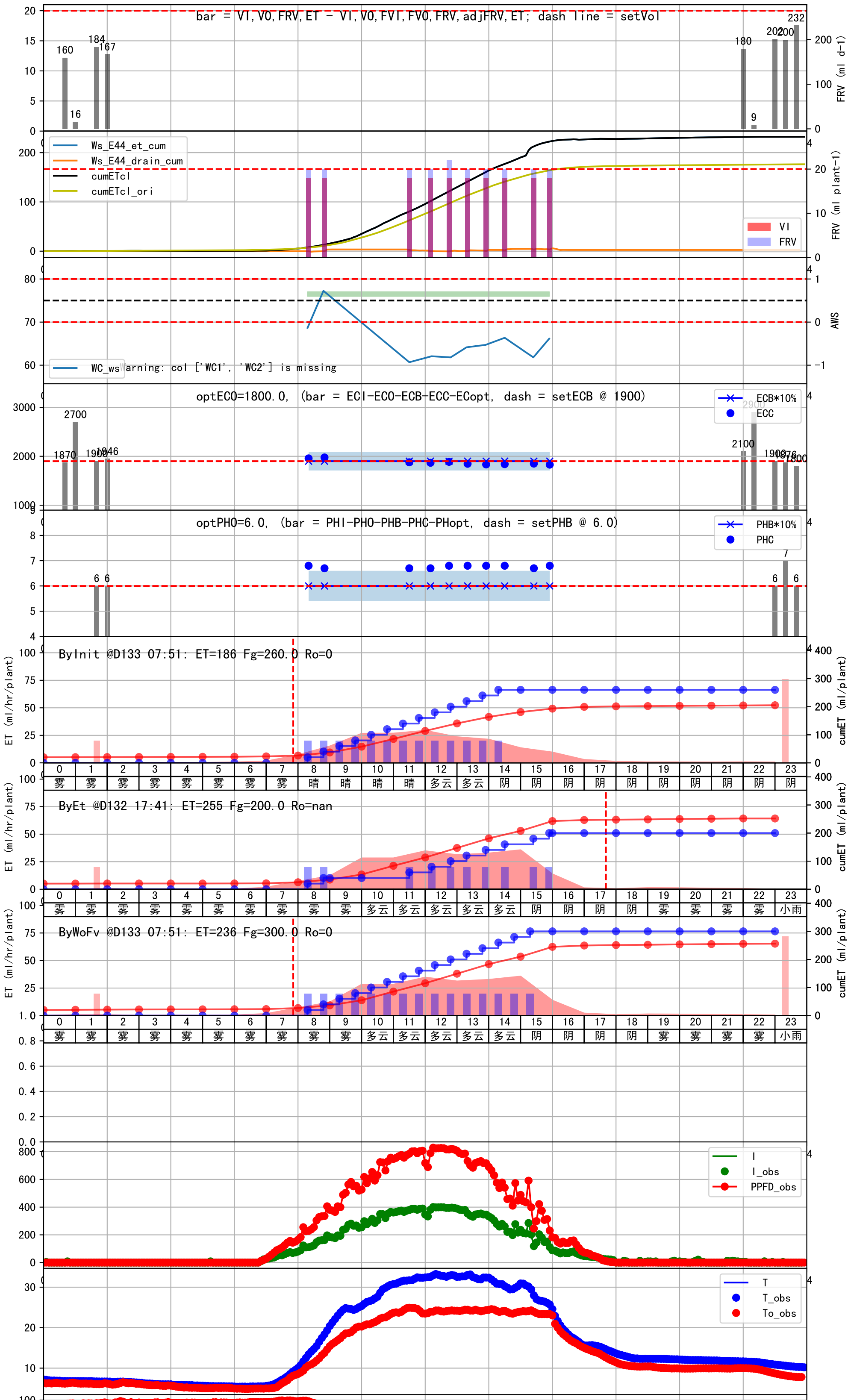
L1A3_3, Day=133 (2026-02-16)

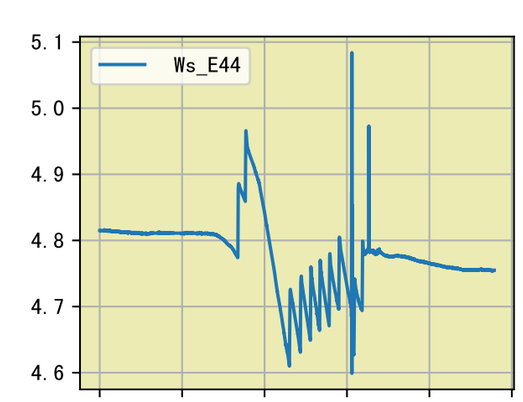


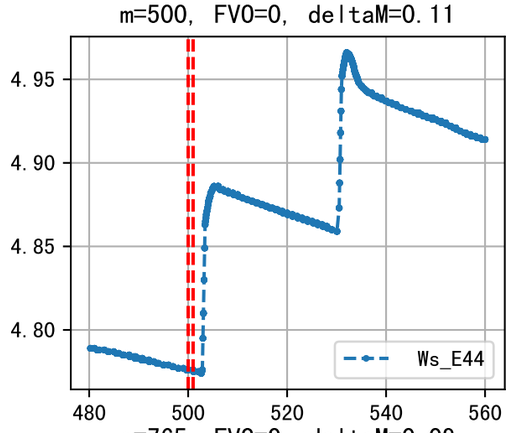

hour
8:20
8:50
9:20
9:50
10:20
10:50
11:20
11:50
12:20
12:50
13:20
13:50
14:20
14:50
15:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

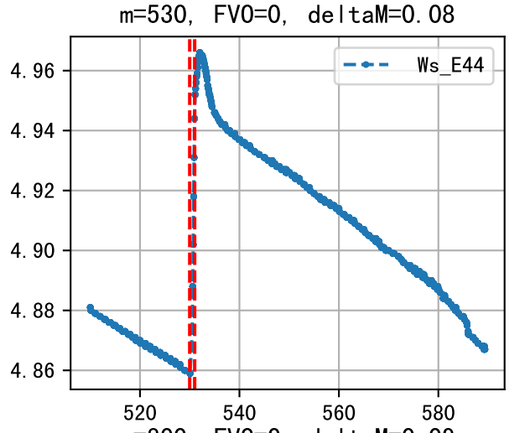
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	31	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	31	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	31	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	31	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
10:20	31	20.0	0.081	多云	假设@10:20 未知程序（未用传感器）
10:50	31	20.0	0.081	多云	假设@10:50 未知程序（未用传感器）
11:20	31	20.0	0.081	多云	假设@11:20 未知程序（未用传感器）
11:50	31	20.0	0.081	多云	假设@11:50 未知程序（未用传感器）
12:20	31	20.0	0.081	多云	假设@12:20 未知程序（未用传感器）
12:50	31	20.0	0.081	多云	假设@12:50 未知程序（未用传感器）
13:20	31	20.0	0.081	多云	假设@13:20 未知程序（未用传感器）
13:50	31	20.0	0.081	多云	假设@13:50 未知程序（未用传感器）
14:20	31	20.0	0.081	多云	假设@14:20 未知程序（未用传感器）
14:50	31	20.0	0.081	多云	假设@14:50 未知程序（未用传感器）
15:20	31	20.0	0.081	阴	假设@15:20 未知程序（未用传感器）
总计	465.0 (15次)	300.0			建议进液EC：1900， PH：6.0

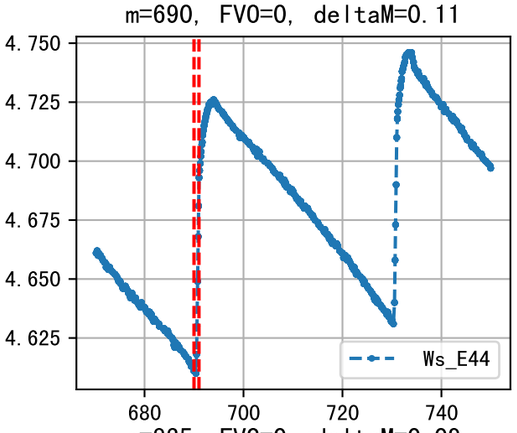
L1A3_3, Day=132.0 (2026-02-15)

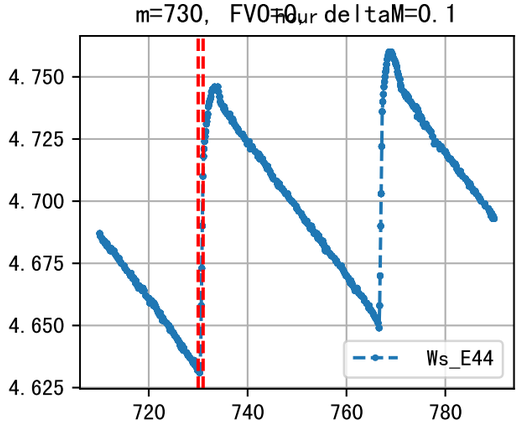


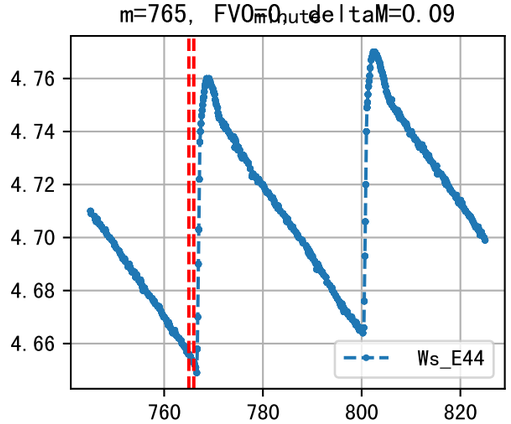

Ws_E44

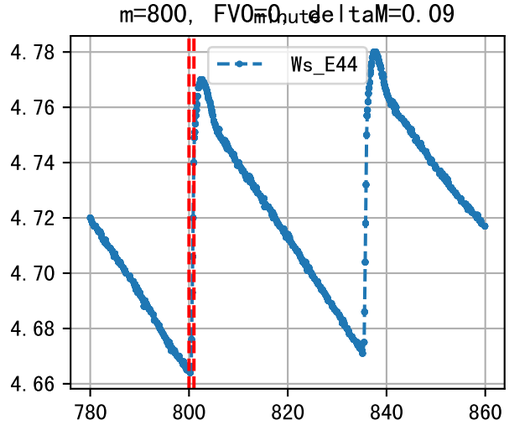

m=500, FV0=0, deltaM=0.11
Ws_E44

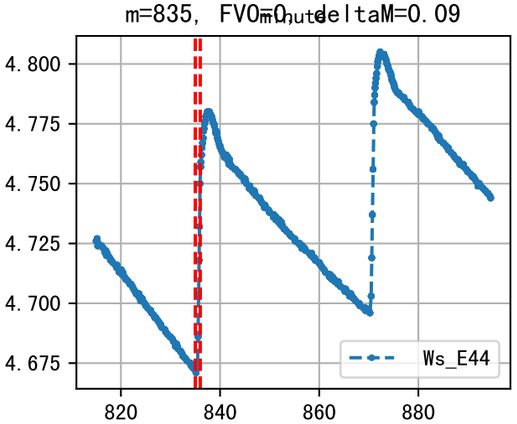

m=530, FV0=0, deltaM=0.08
Ws_E44

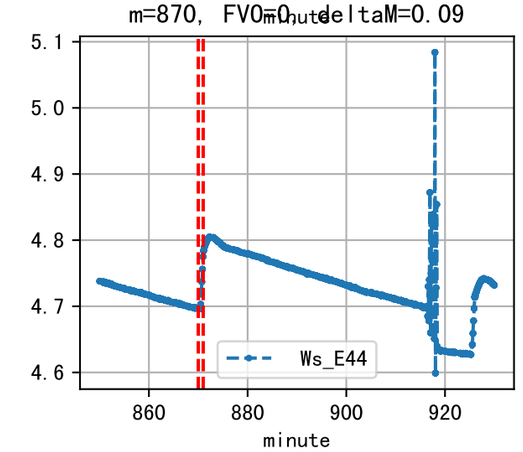

m=690, FV0=0, deltaM=0.11
Ws_E44

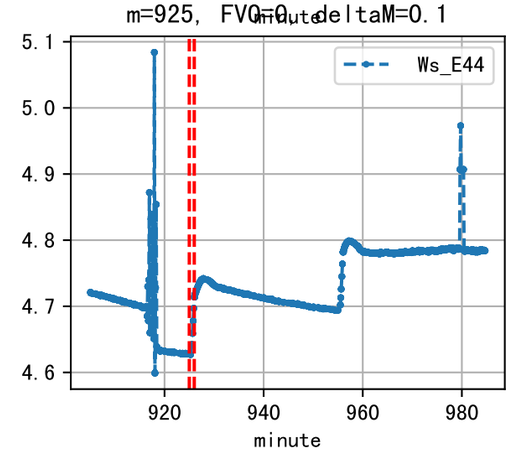

m=730, FV0=0, deltaM=0.1
hour
Ws_E44

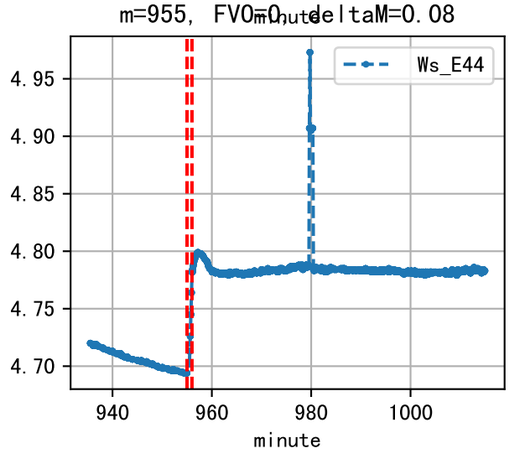

m=765, FV0=0, deltaM=0.09
minute
Ws_E44

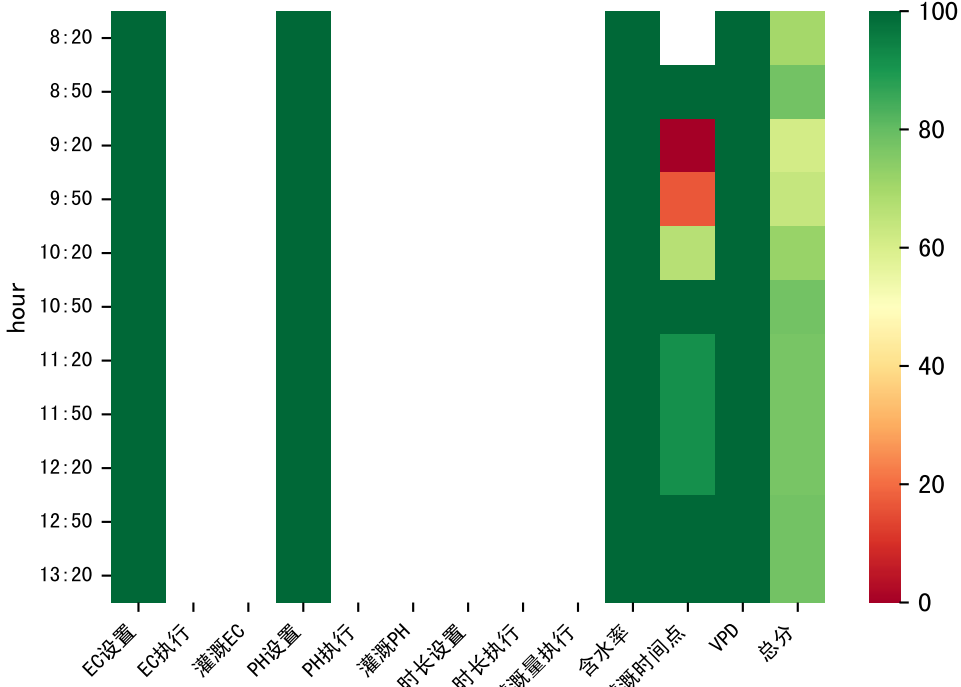

m=800, FV0=0, deltaM=0.09
minute
Ws_E44


m=835, FV0=0, deltaM=0.09
minute
Ws_E44


m=870, FV0=0, deltaM=0.09
minute
Ws_E44
minute

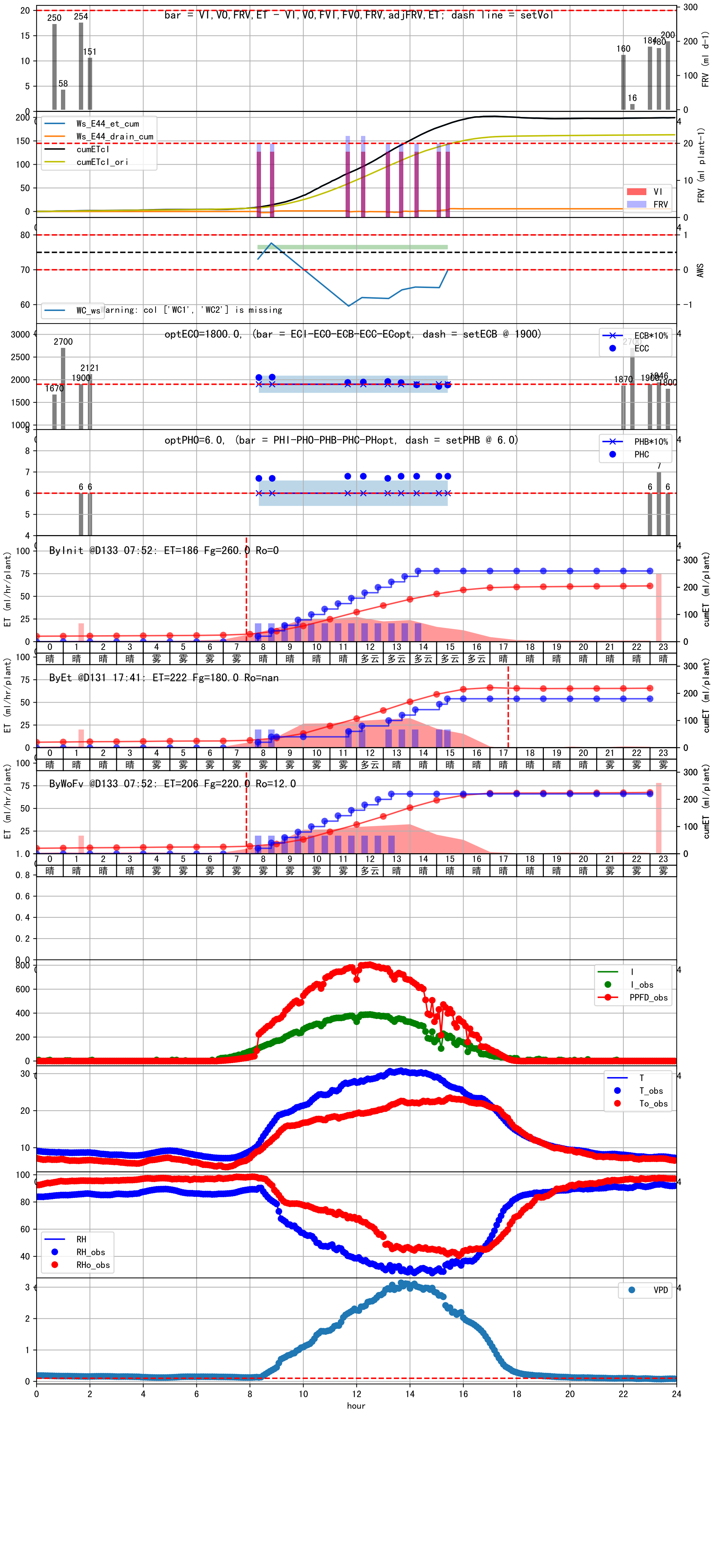

m=925, FV0=0, deltaM=0.1
minute
Ws_E44
minute

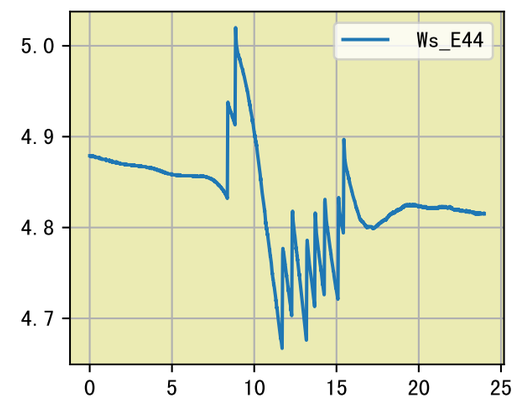

m=955, FV0=0, deltaM=0.08
minute
Ws_E44
minute

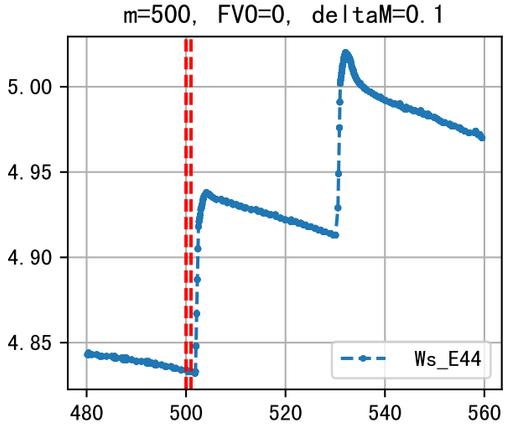

hour
8:20
8:50
9:20
9:50
10:20
10:50
11:20
11:50
12:20
12:50
13:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

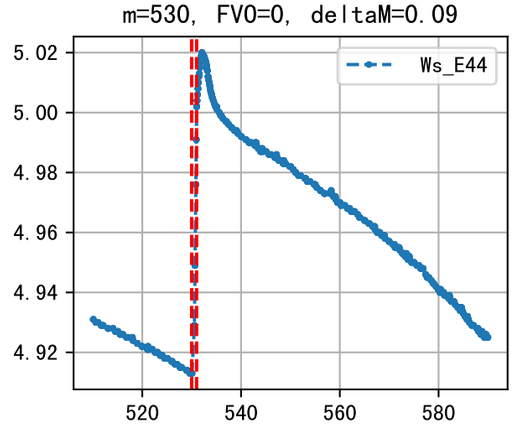
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	31	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	31	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	31	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	31	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
10:20	31	20.0	0.081	雾	假设@10:20 未知程序（未用传感器）
10:50	31	20.0	0.081	雾	假设@10:50 未知程序（未用传感器）
11:20	31	20.0	0.081	雾	假设@11:20 未知程序（未用传感器）
11:50	31	20.0	0.081	雾	假设@11:50 未知程序（未用传感器）
12:20	31	20.0	0.081	多云	假设@12:20 未知程序（未用传感器）
12:50	31	20.0	0.081	多云	假设@12:50 未知程序（未用传感器）
13:20	31	20.0	0.081	晴	假设@13:20 未知程序（未用传感器）
总计	341.0 (11次)	220.0			建议进液EC：1900， PH：6.0

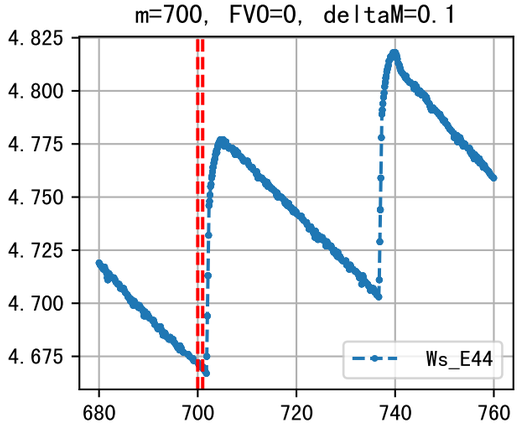
L1A3_3, Day=131.0 (2026-02-14)

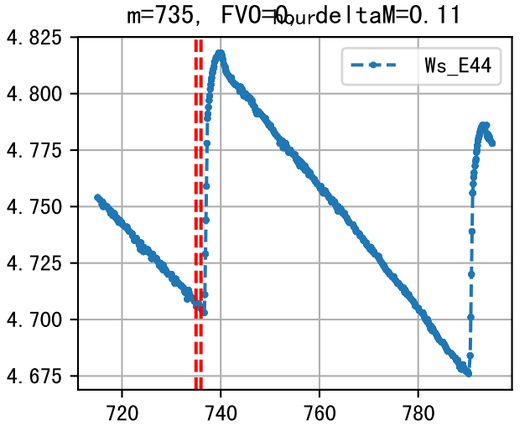


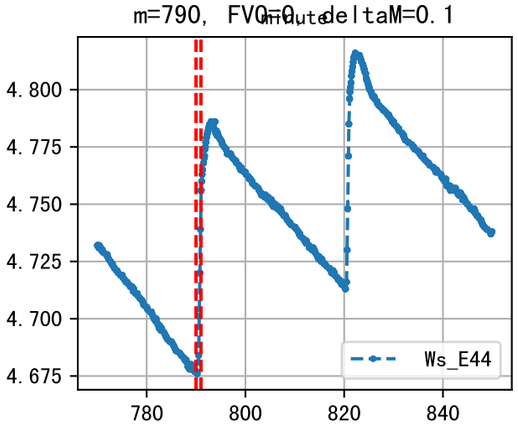

Ws_E44

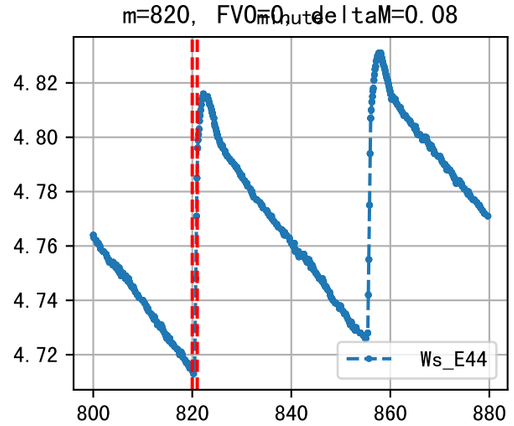

m=500, FV0=0, deltaM=0.1
Ws_E44

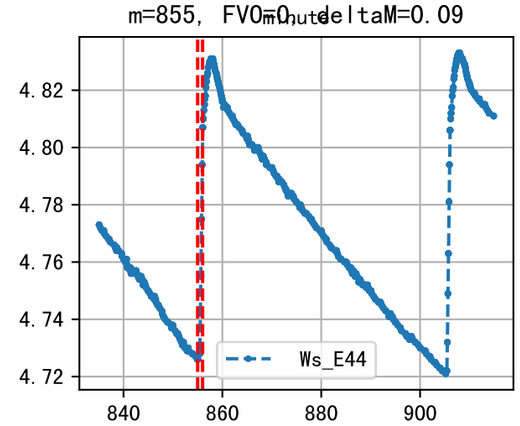

m=530, FV0=0, deltaM=0.09
Ws_E44

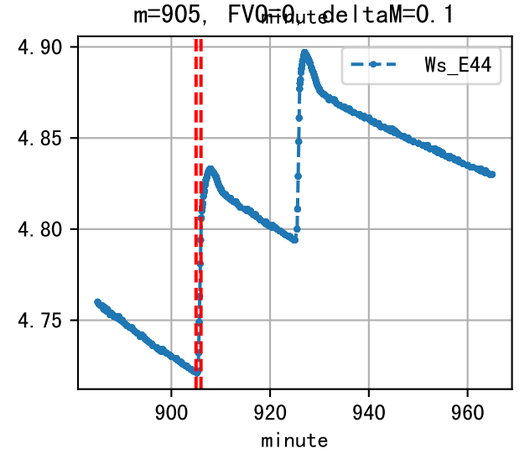

m=700, FV0=0, deltaM=0.1
Ws_E44

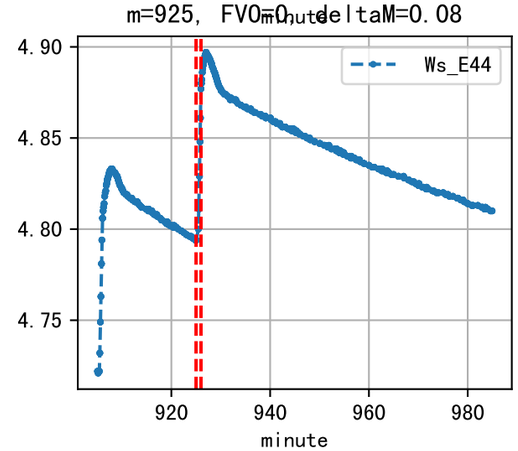

m=735, FV0=0, deltaM=0.11
Ws_E44

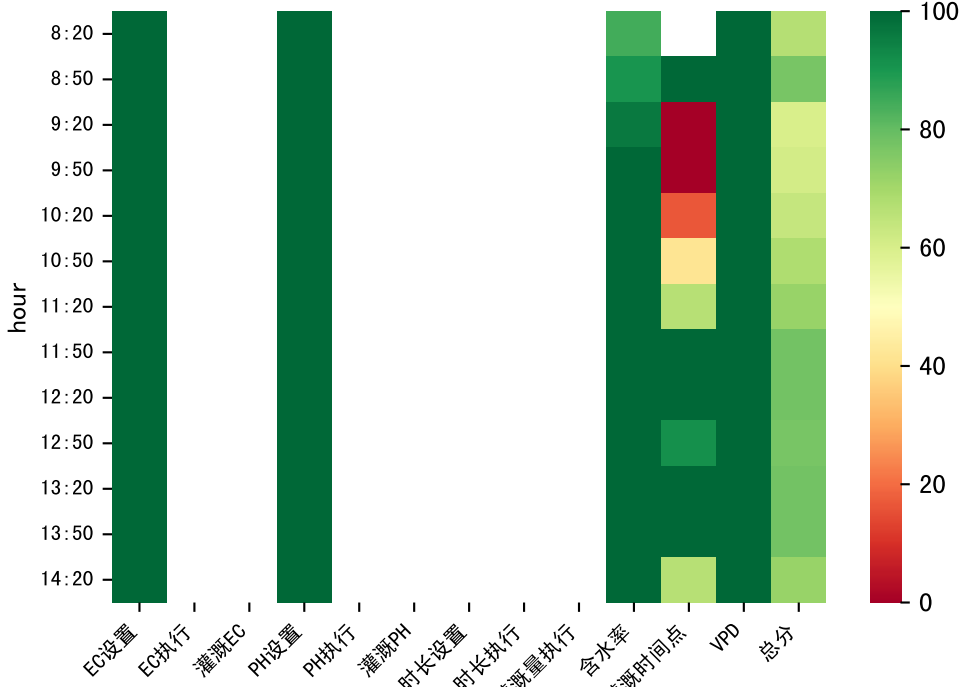

m=790, FV0=0, deltaM=0.1
Ws_E44


m=820, FV0=0, deltaM=0.08
Ws_E44
minute


m=855, FV0=0, deltaM=0.09
Ws_E44
minute

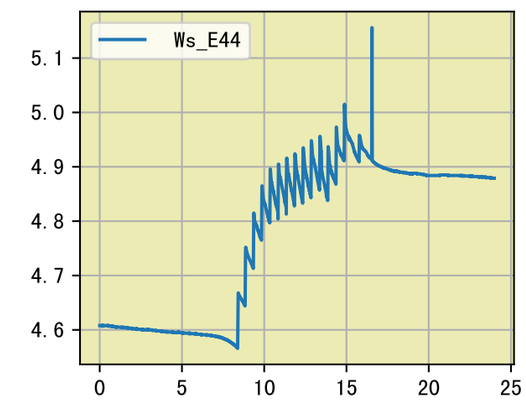

m=905, FV0=0, deltaM=0.1
Ws_E44
minute

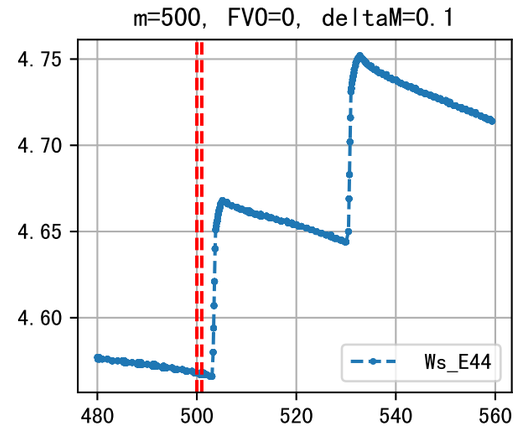

m=925, FV0=0, deltaM=0.08
Ws_E44
minute

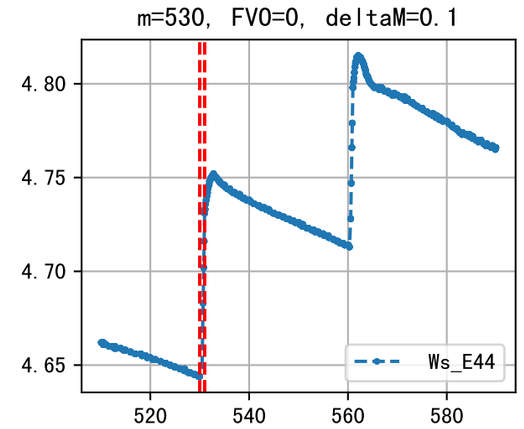

hour
8:20
8:50
9:20
9:50
10:20
10:50
11:20
11:50
12:20
12:50
13:20
13:50
14:20
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

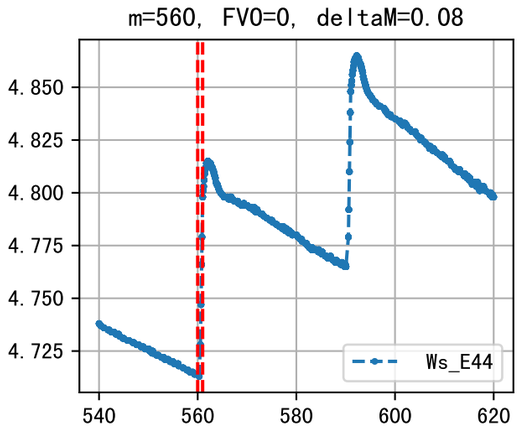
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	31	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	31	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	31	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	31	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
10:20	31	20.0	0.081	雾	假设@10:20 未知程序（未用传感器）
10:50	31	20.0	0.081	雾	假设@10:50 未知程序（未用传感器）
11:20	31	20.0	0.081	晴	假设@11:20 未知程序（未用传感器）
11:50	31	20.0	0.081	晴	假设@11:50 未知程序（未用传感器）
12:20	31	20.0	0.081	多云	假设@12:20 未知程序（未用传感器）
12:50	31	20.0	0.081	多云	假设@12:50 未知程序（未用传感器）
13:20	31	20.0	0.081	多云	假设@13:20 未知程序（未用传感器）
13:50	31	20.0	0.081	多云	假设@13:50 未知程序（未用传感器）
14:20	31	20.0	0.081	多云	假设@14:20 未知程序（未用传感器）
总计	403.0 (13次)	260.0			建议进液EC：1900， PH：6.0

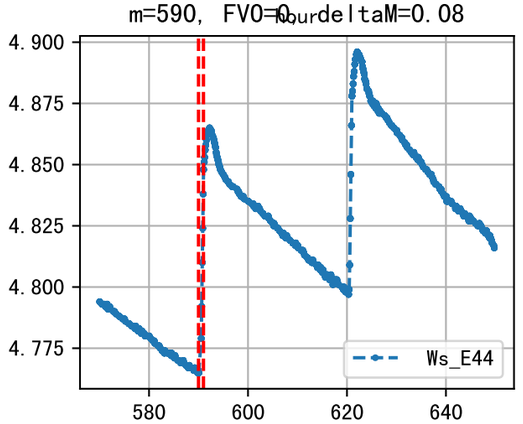
L1A3_3, Day=130.0 (2026-02-13)

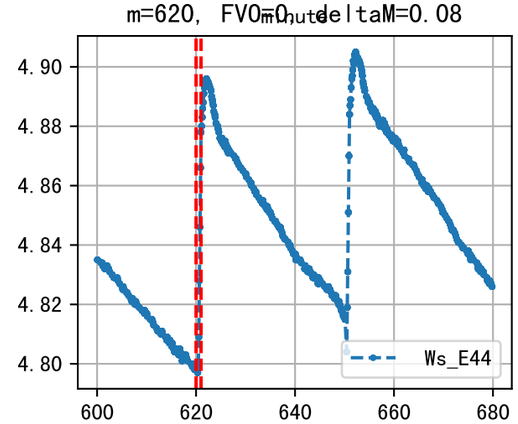

Ws_E44

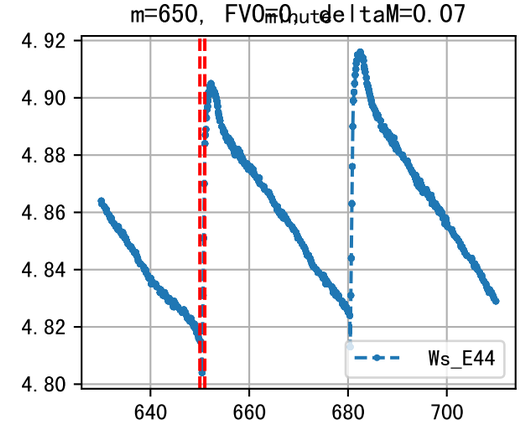

m=500, FV0=0, deltaM=0.1
Ws_E44

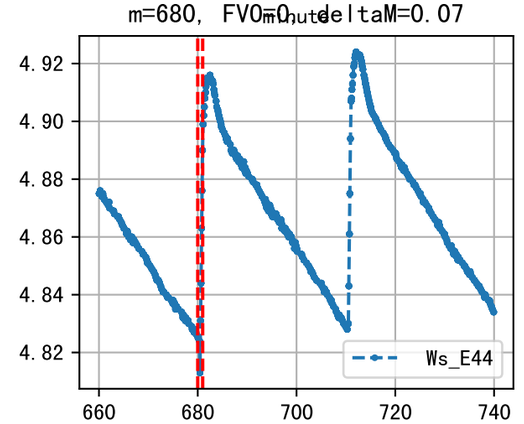

m=530, FV0=0, deltaM=0.1
Ws_E44

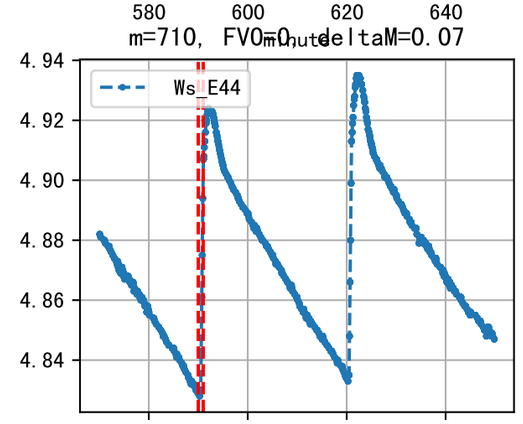

m=560, FV0=0, deltaM=0.08
Ws_E44

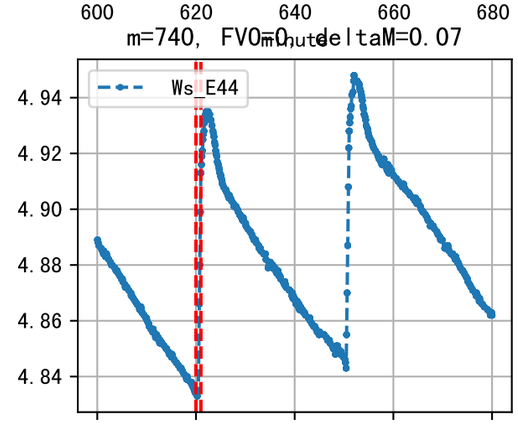

m=590, FV0=0, deltaM=0.08
minute
Ws_E44

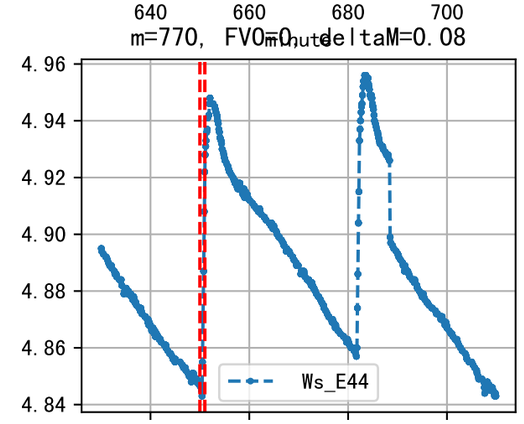

m=620, FV0=0, deltaM=0.08
minute
Ws_E44

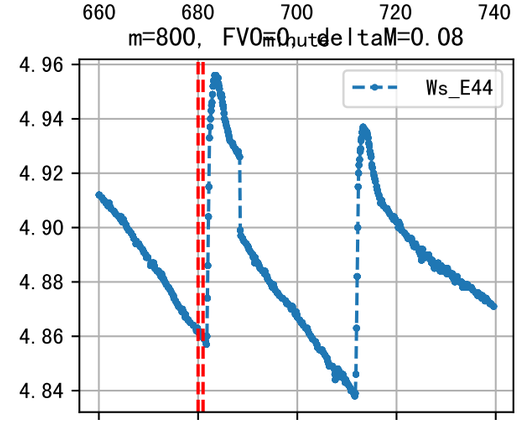

m=650, FV0=0, deltaM=0.07
minute
Ws_E44

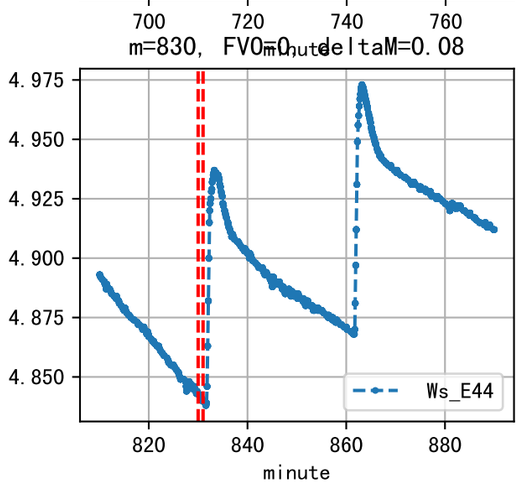

m=680, FV0=0, deltaM=0.07
minute
Ws_E44

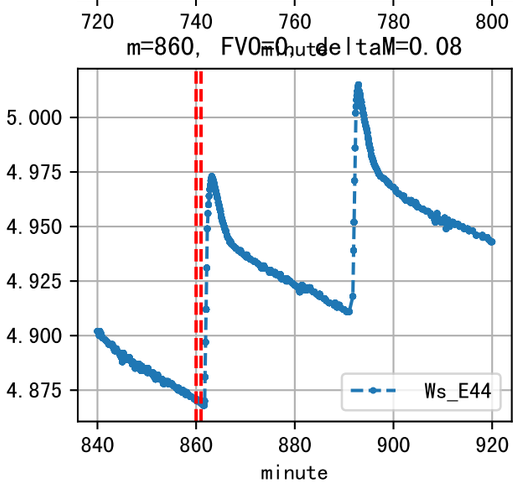

m=710, FV0=0, deltaM=0.07
minute
Ws_E44

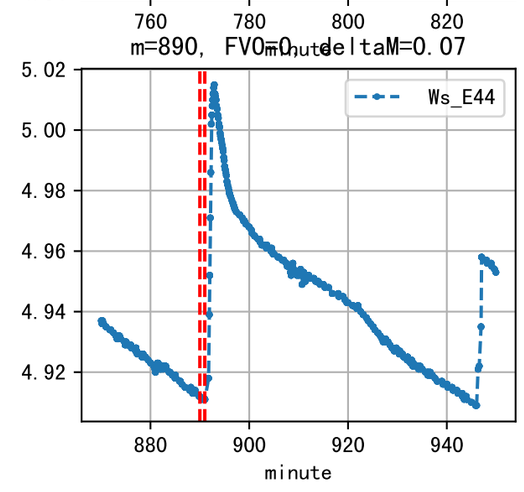

m=740, FV0=0, deltaM=0.07
minute
Ws_E44

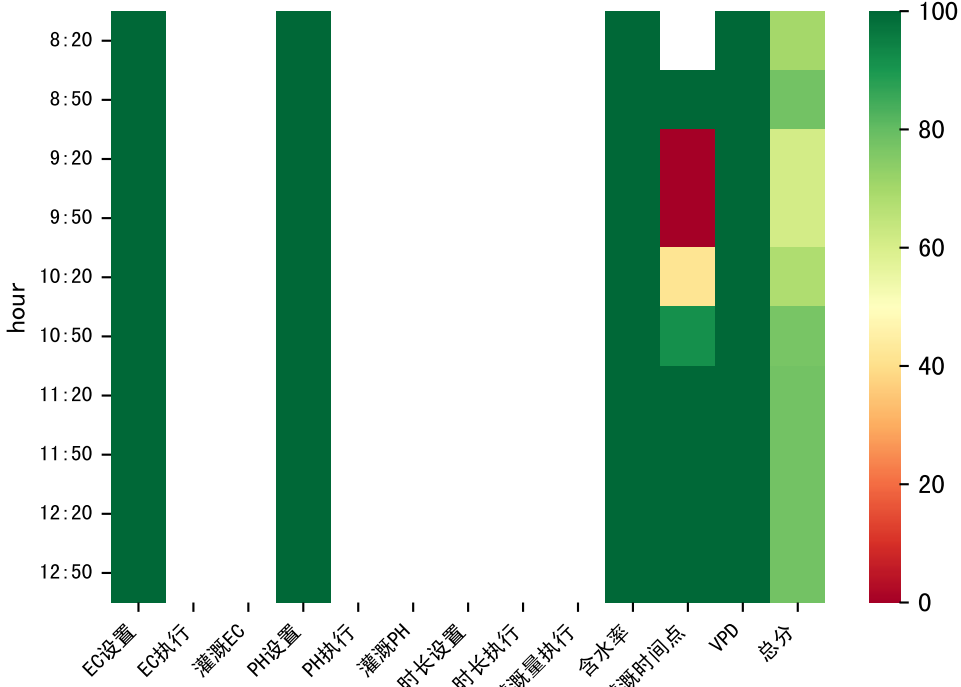

m=770, FV0=0, deltaM=0.08
minute
Ws_E44


m=800, FV0=0, deltaM=0.08
minute
Ws_E44


m=830, FV0=0, deltaM=0.08
minute
Ws_E44

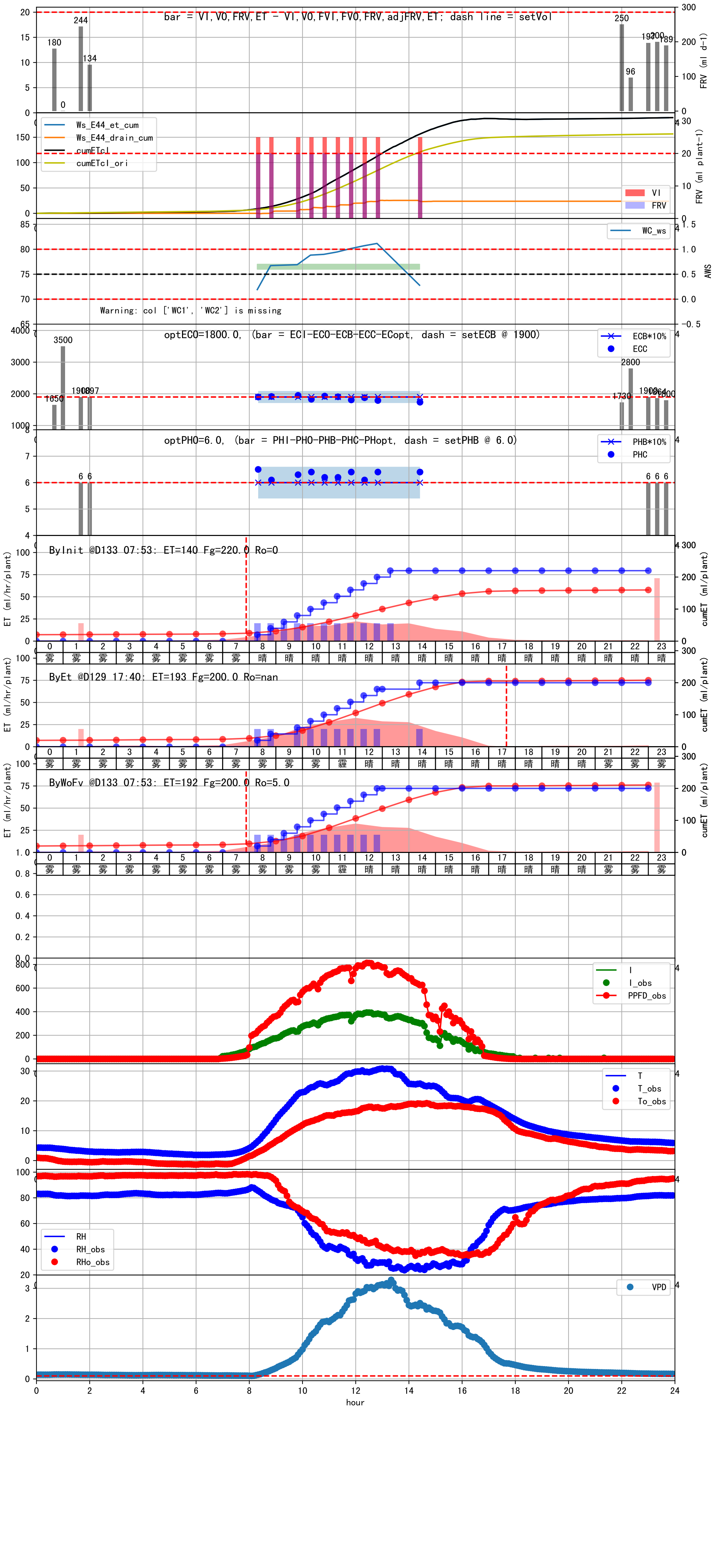

m=860, FV0=0, deltaM=0.08
minute
Ws_E44

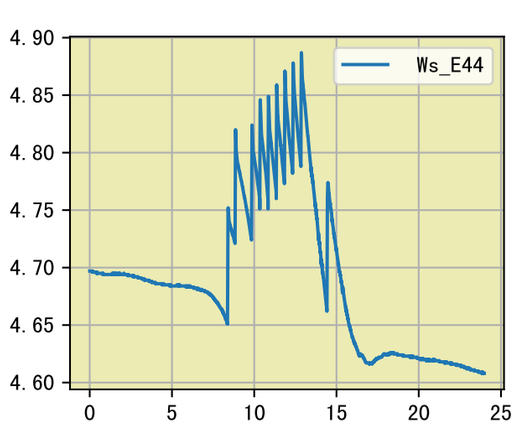

m=890, FV0=0, deltaM=0.07
minute
Ws_E44

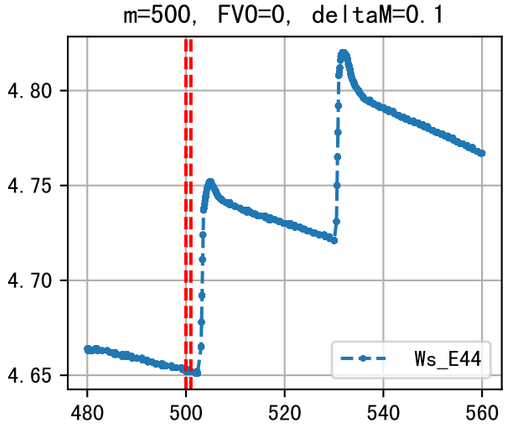

hour
8:20
8:50
9:20
9:50
10:20
10:50
11:20
11:50
12:20
12:50
EC设置
EC执行
灌溉EC
PH设置
PH执行
灌溉PH
时长设置
时长执行
灌溉量执行
含水率
灌溉时间点
VPD
总分
100
80
60
40
20
0

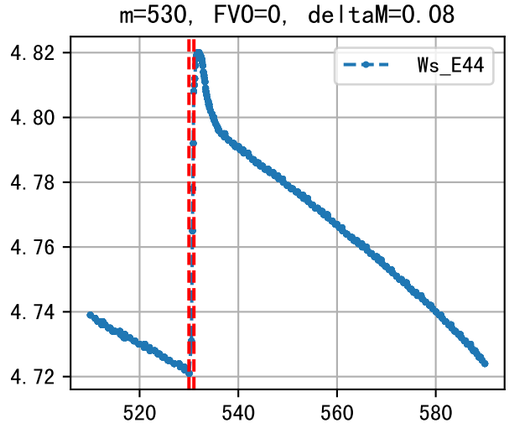
时间	灌溉时长(秒)	灌溉量(毫升/株)	灌溉总量(方/次)	天气	注释
08:20	31	20.0	0.081	雾	假设@08:20 未知程序（未用传感器）
08:50	31	20.0	0.081	雾	假设@08:50 未知程序（未用传感器）
09:20	31	20.0	0.081	雾	假设@09:20 未知程序（未用传感器）
09:50	31	20.0	0.081	雾	假设@09:50 未知程序（未用传感器）
10:20	31	20.0	0.081	雾	假设@10:20 未知程序（未用传感器）
10:50	31	20.0	0.081	雾	假设@10:50 未知程序（未用传感器）
11:20	31	20.0	0.081	霾	假设@11:20 未知程序（未用传感器）
11:50	31	20.0	0.081	霾	假设@11:50 未知程序（未用传感器）
12:20	31	20.0	0.081	晴	假设@12:20 未知程序（未用传感器）
12:50	31	20.0	0.081	晴	假设@12:50 未知程序（未用传感器）
总计	310.0 (10次)	200.0			建议进液EC：1900， PH：6.0

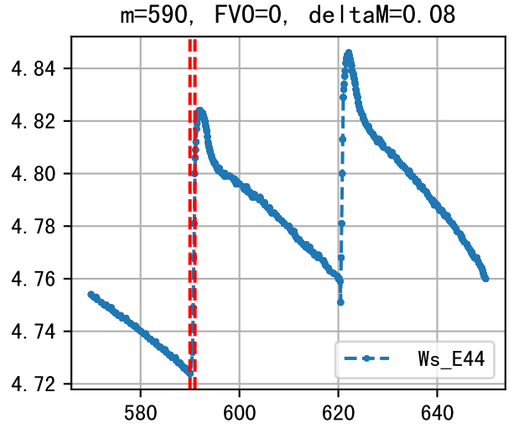
L1A3_3, Day=129.0 (2026-02-12)

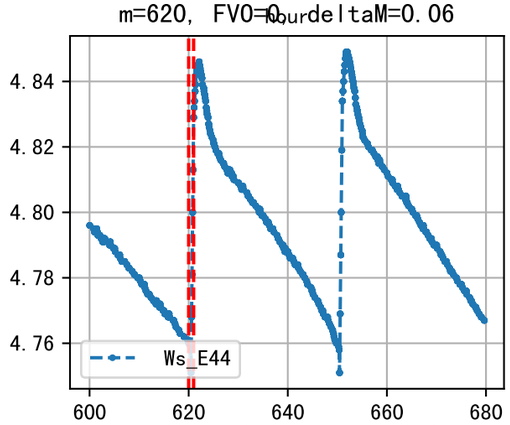


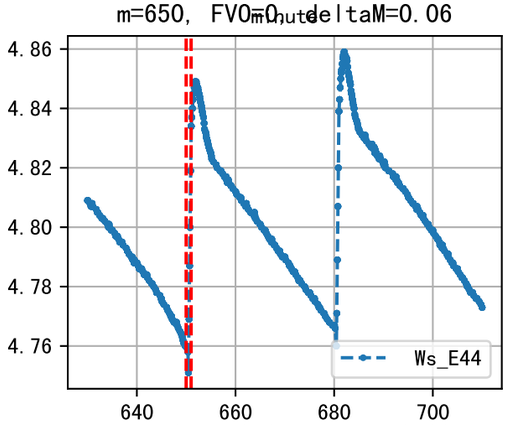

Ws_E44

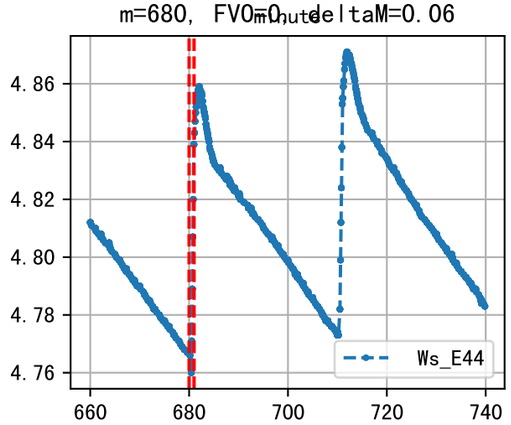

m=500, FV0=0, deltaM=0.1
Ws_E44

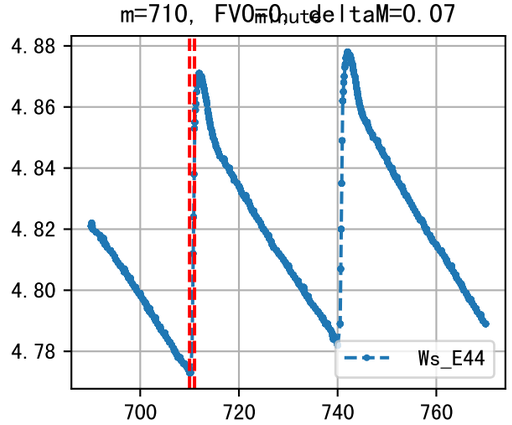

m=530, FV0=0, deltaM=0.08
Ws_E44

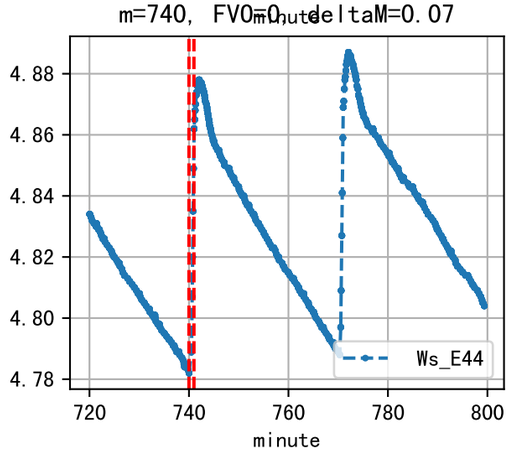

m=590, FV0=0, deltaM=0.08
Ws_E44

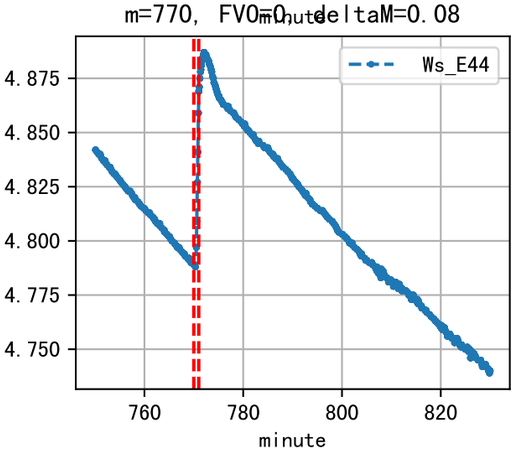

m=620, FV0=0, deltaM=0.06
minute
Ws_E44

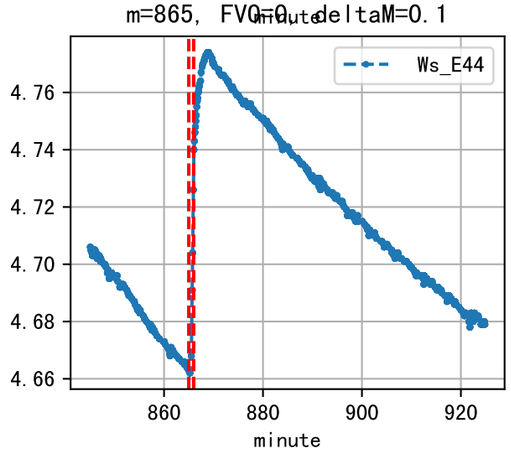

m=650, FV0=0, deltaM=0.06
minute
Ws_E44


m=680, FV0=0, deltaM=0.06
minute
Ws_E44


m=710, FV0=0, deltaM=0.07
minute
Ws_E44


m=740, FV0=0, deltaM=0.07
minute
Ws_E44


m=770, FV0=0, deltaM=0.08
minute
Ws_E44


m=865, FV0=0, deltaM=0.1
minute
Ws_E44