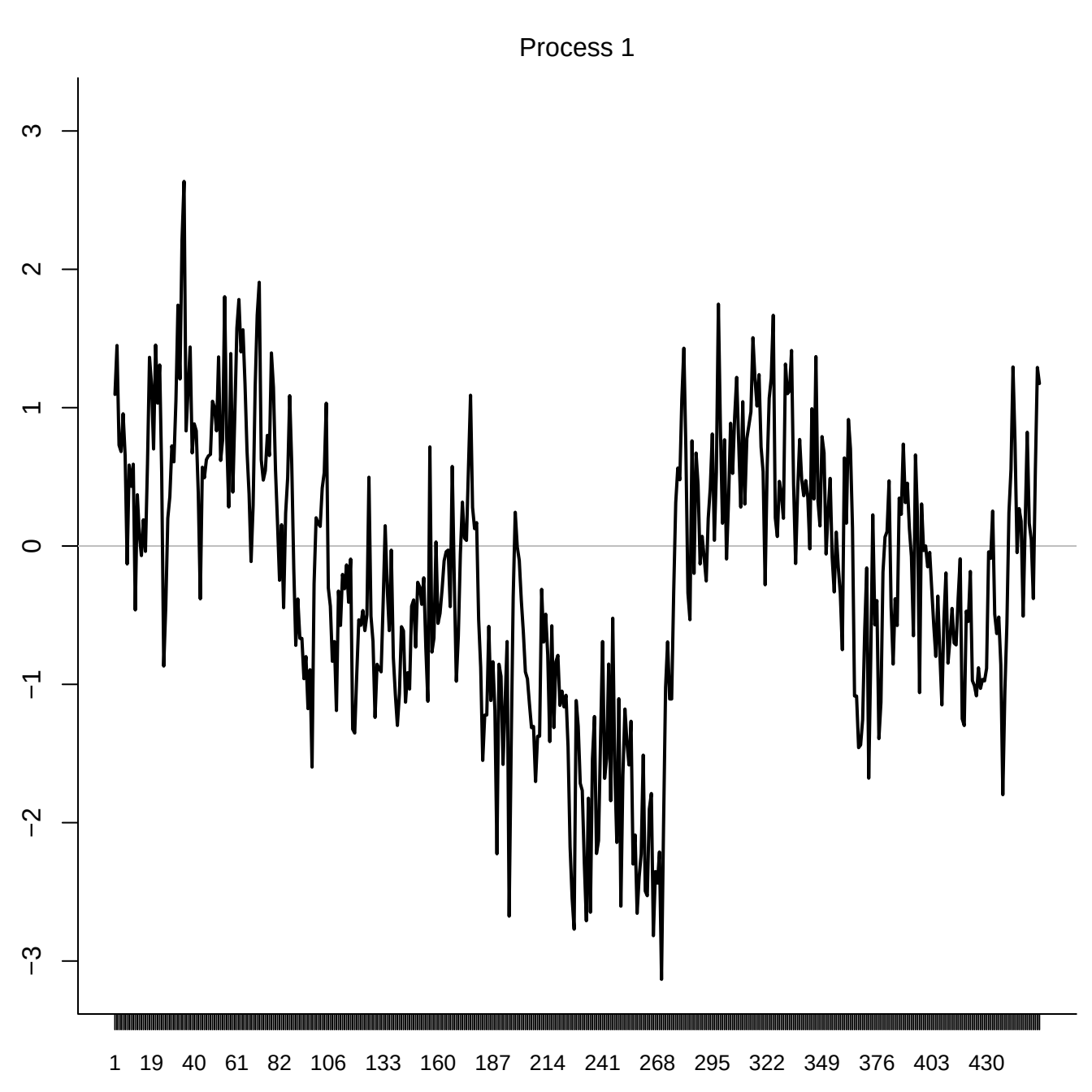
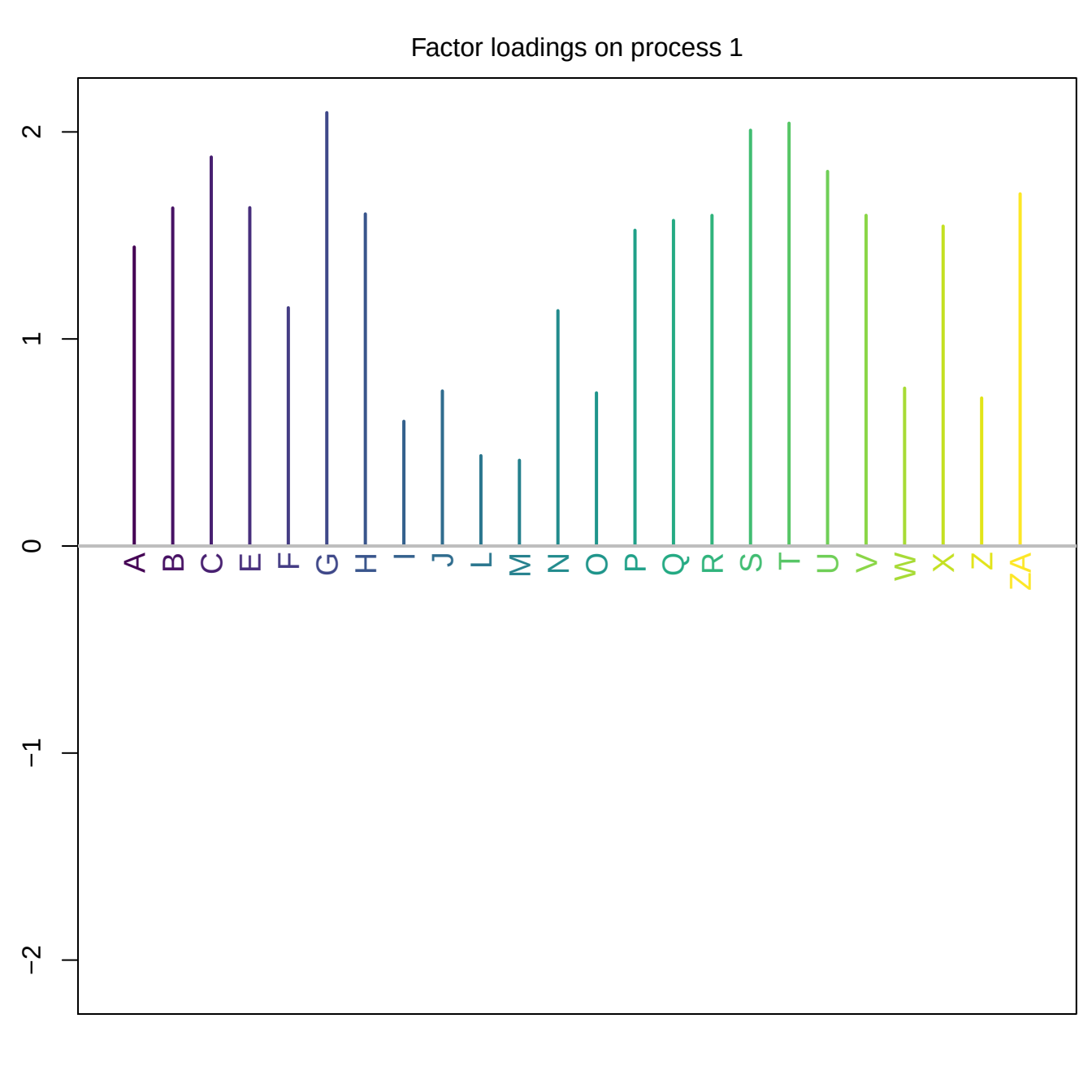

Process 1
3
2
1
0
−1
−2
−3
1 19 40 61 82 106 133 160 187 214 241 268 295 322 349 376 403 430


Factor loadings on process 1
2
1
0
−1
−2
A
B
C
E
F
G
H
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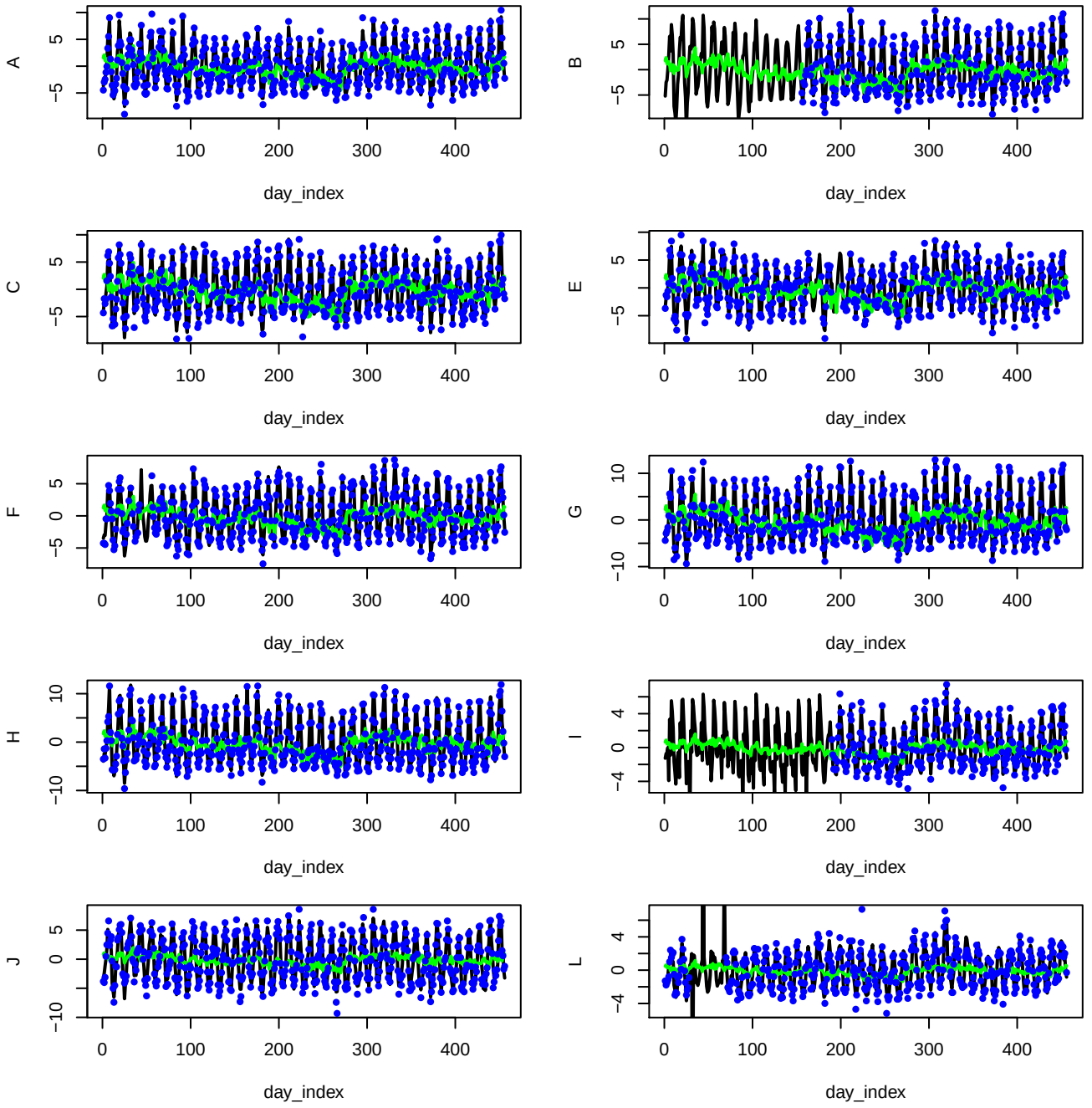
J
L
M
N
O
P
Q
R
S
T
U
V
W
X
Z
ZA


A
B
C
E
F
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H
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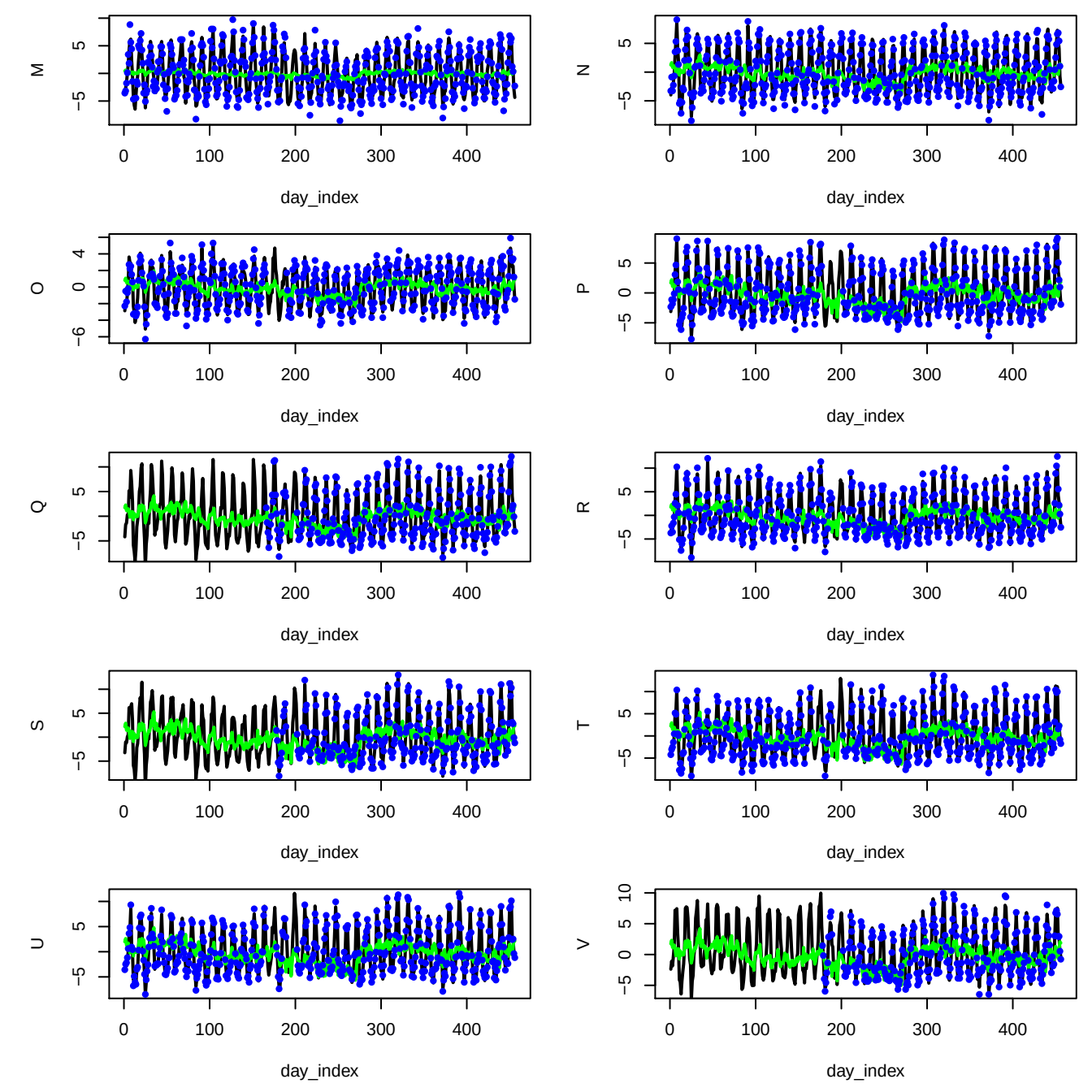
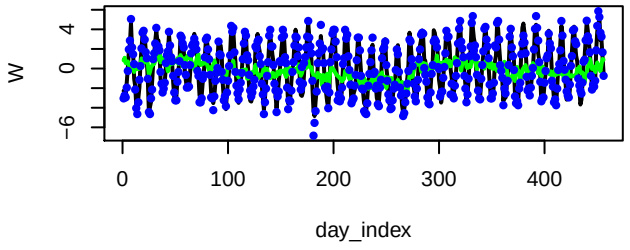
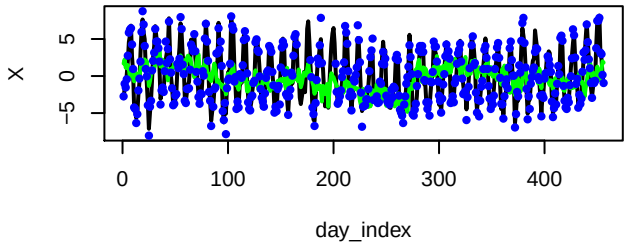
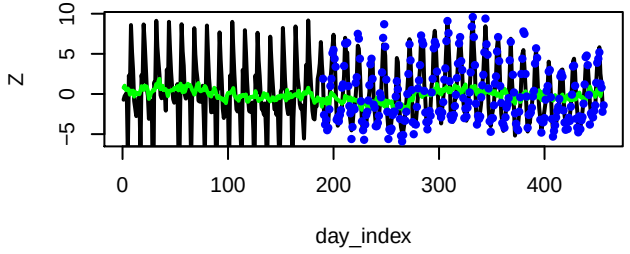
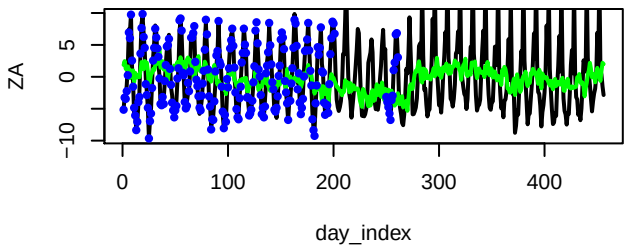
J
L
day_index
0
100
200
300
400
−5
0
5
−10
10
−4
4

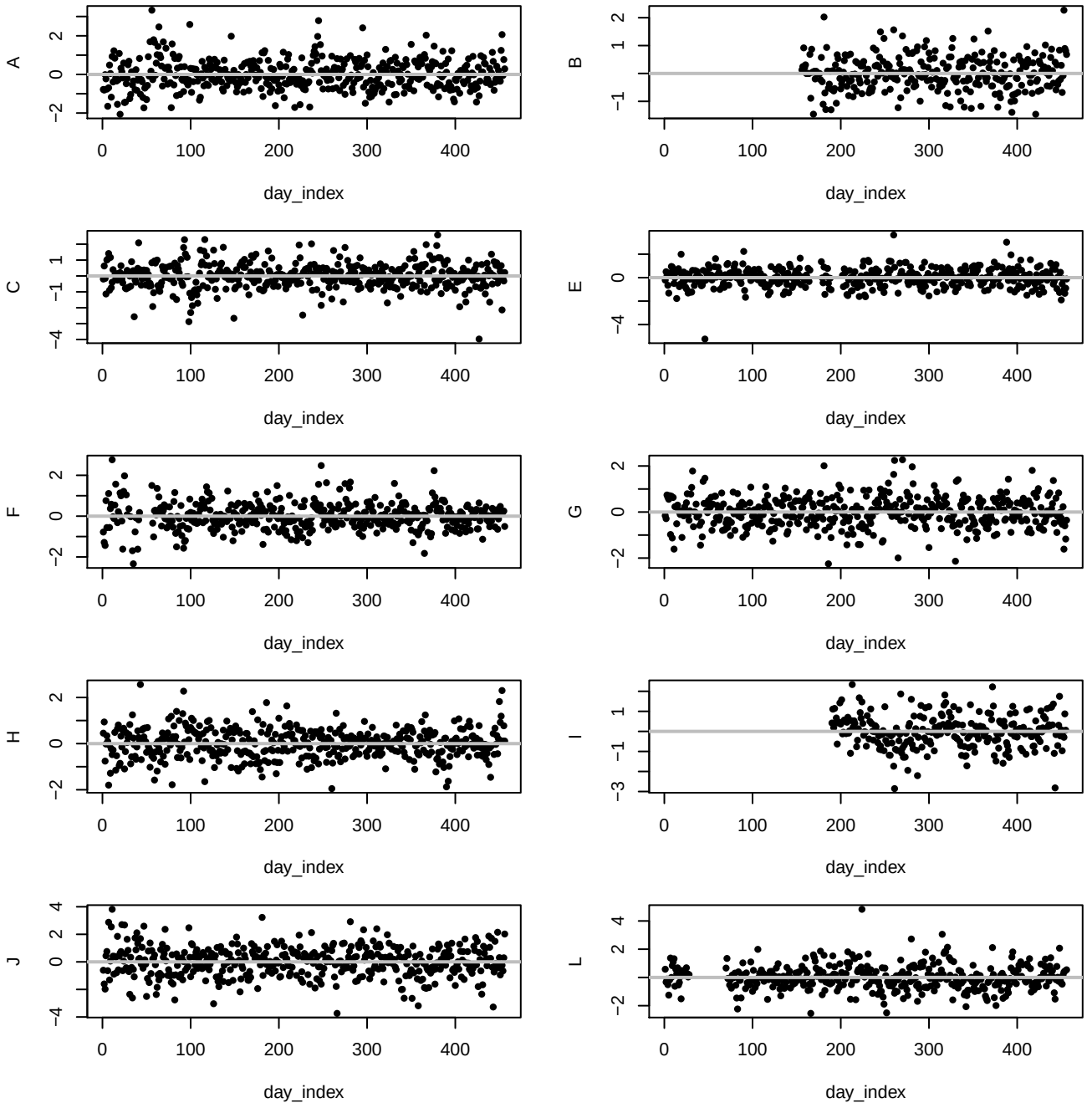

M
N
O
P
Q
R
S
T
U
V
day_index

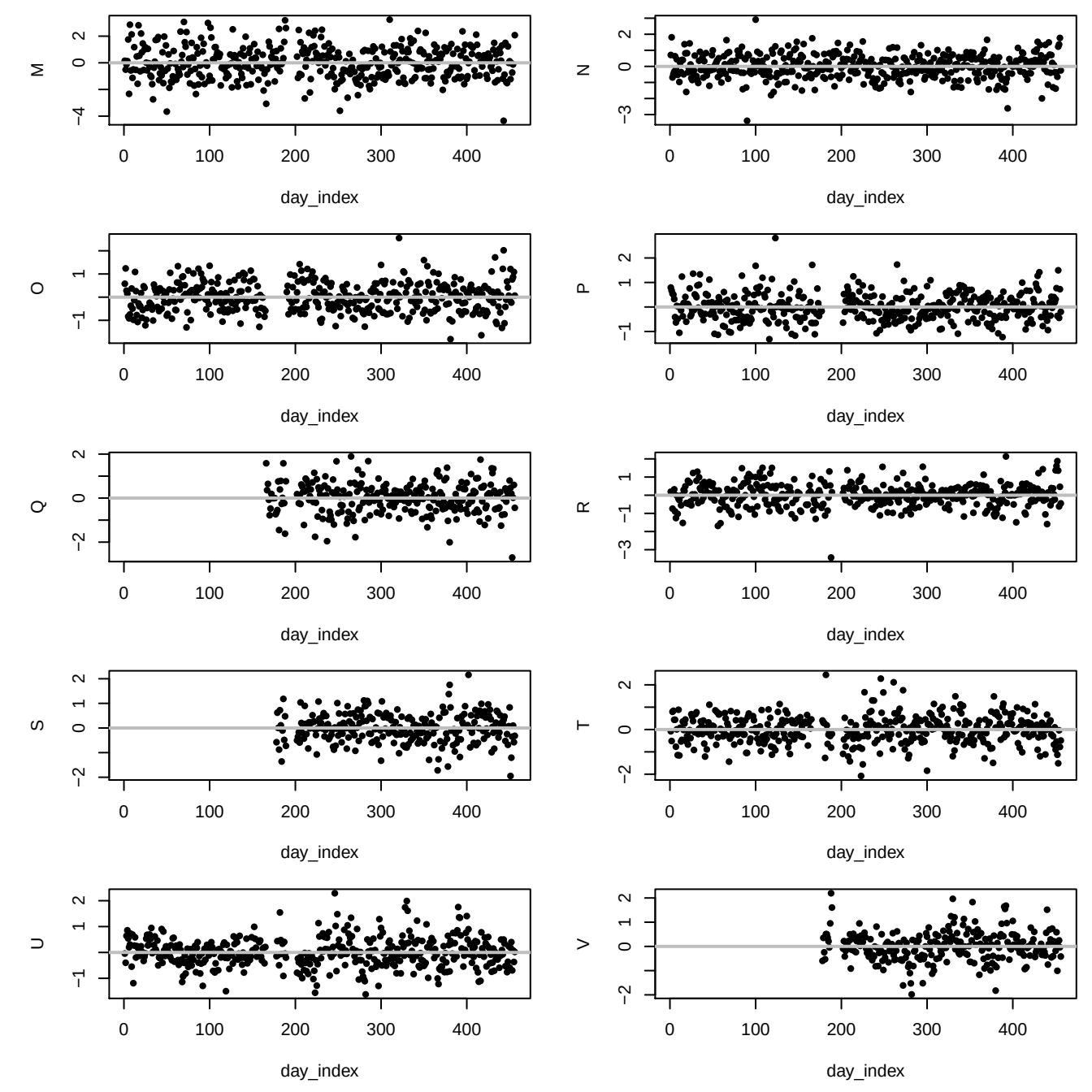

W
4
0
−6
0
100
200
300
400
day_index


X
5
0
−5
0
100
200
300
400
day_index


Z
10
5
0
−5
0
100
200
300
400
day_index


ZA
5
0
−10
0
100
200
300
400
day_index


A
B
C
E
F
G
H
I
J
L
day_index
0
100
200
300
400


M
N
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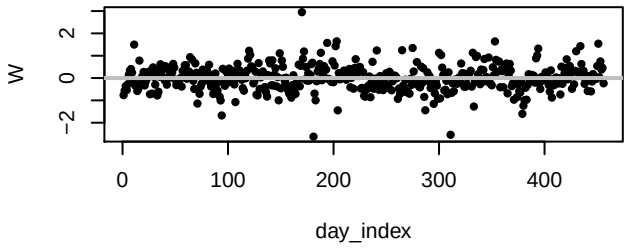
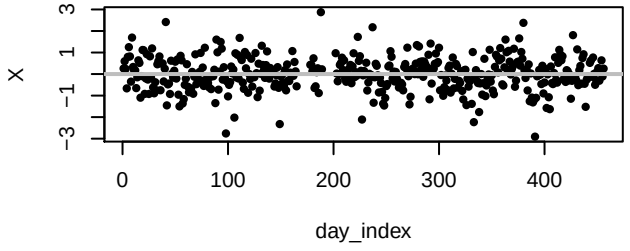
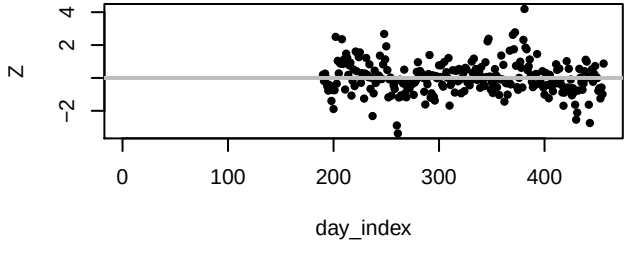
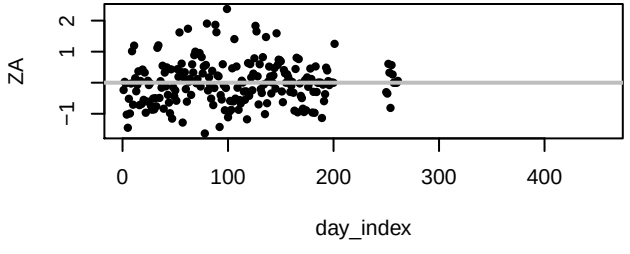
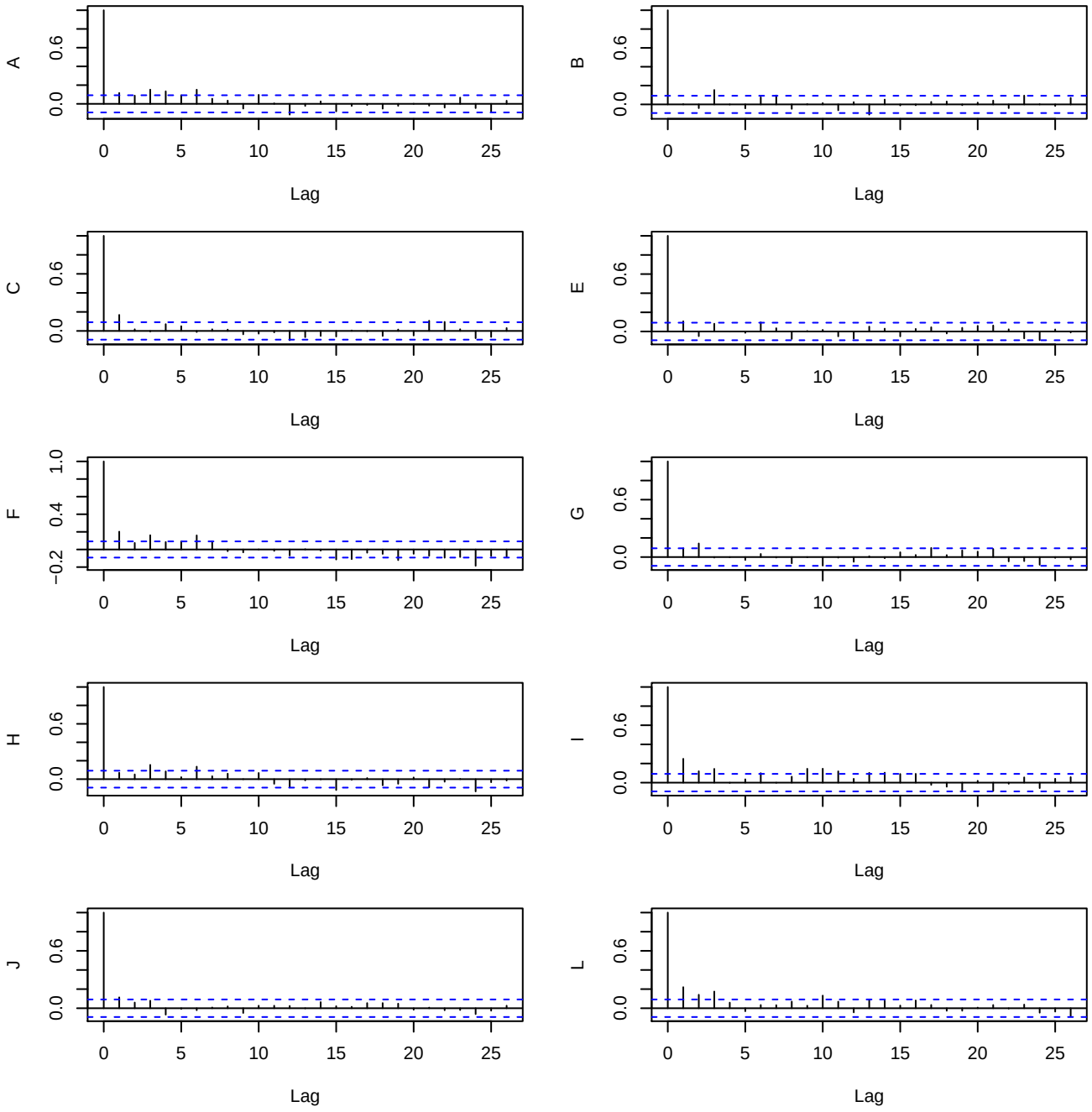
P
Q
R
S
T
U
V
day_index

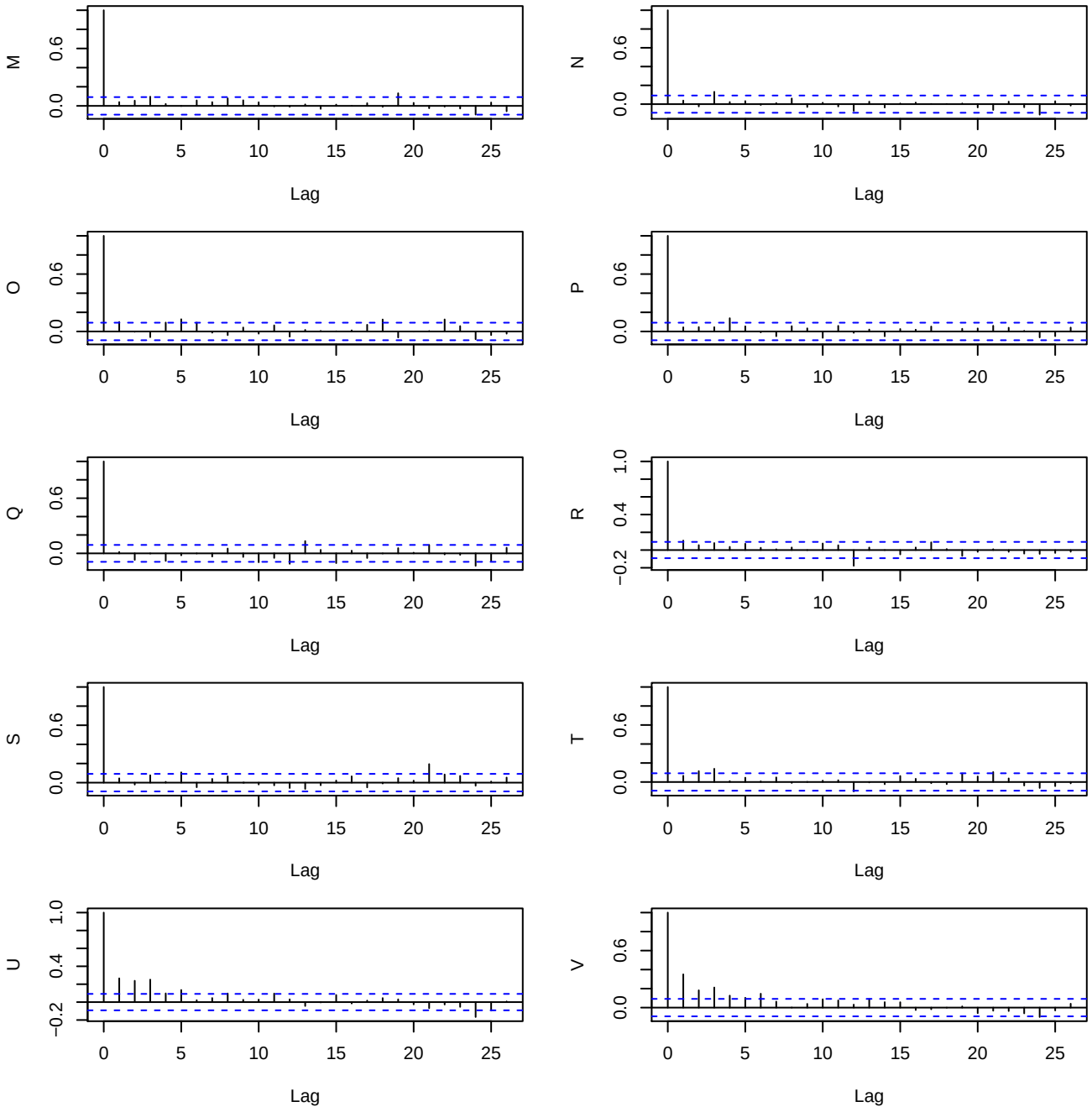

W
2
0
−2
0
100
200
300
400
day_index

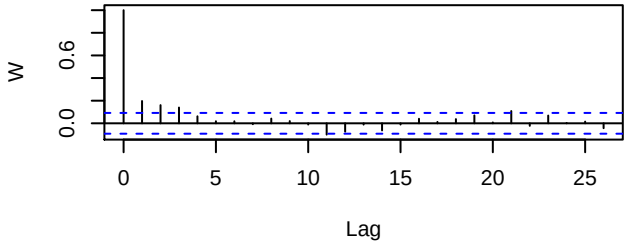

X
3
1
−1
−3
0
100
200
300
400
day_index

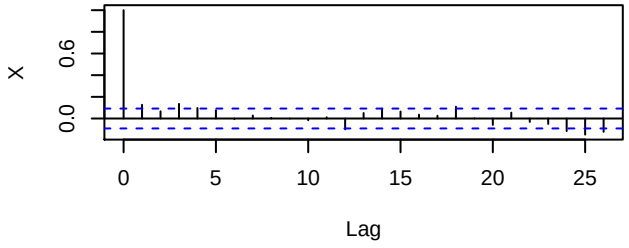

Z
4
2
−2
0
100
200
300
400
day_index

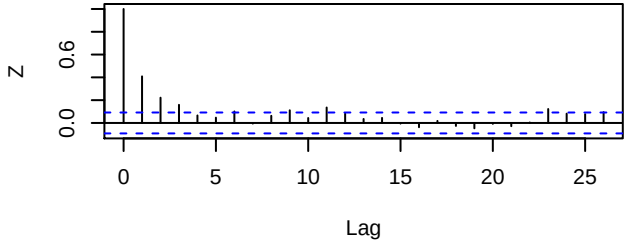

ZA
2
1
−1
0
100
200
300
400
day_index

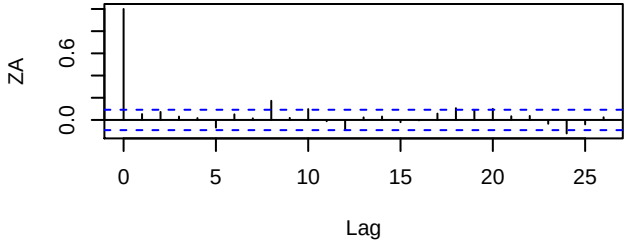

A
B
C
E
F
G
H
I
J
L
Lag
0.0
0.6
1.0
0.4
−0.2
0
5
10
15
20
25

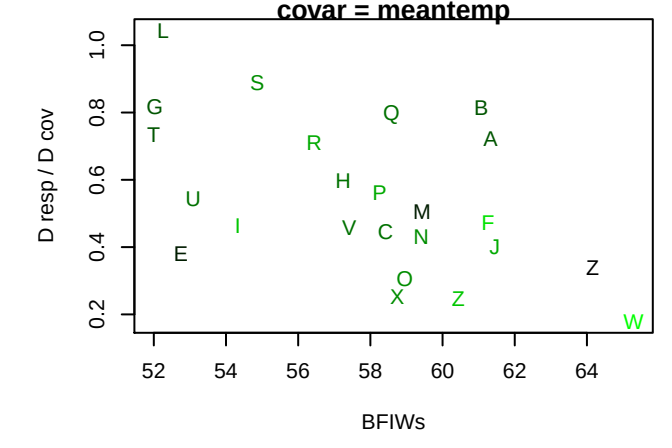

M
N
O
P
Q
R
S
T
U
V
0.0
0.6
1.0
0.4
−0.2
0
5
10
15
20
25
Lag

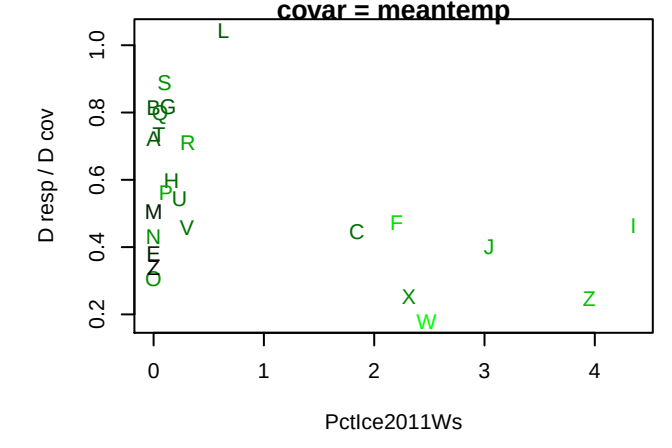

W
0.0
0.6
0
5
10
15
20
25
Lag

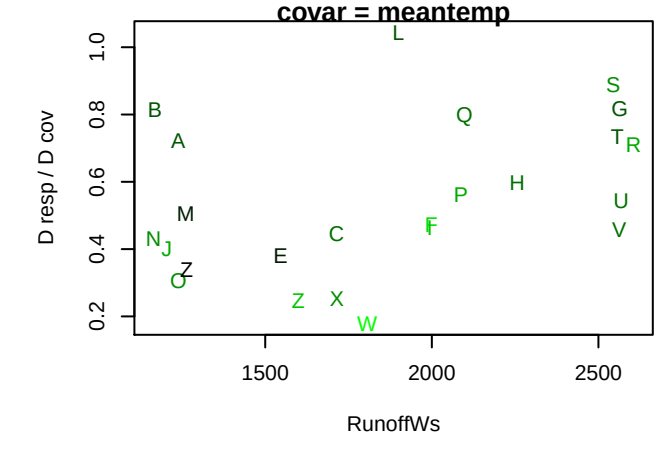

X
0.0
0.6
0
5
10
15
20
25
Lag

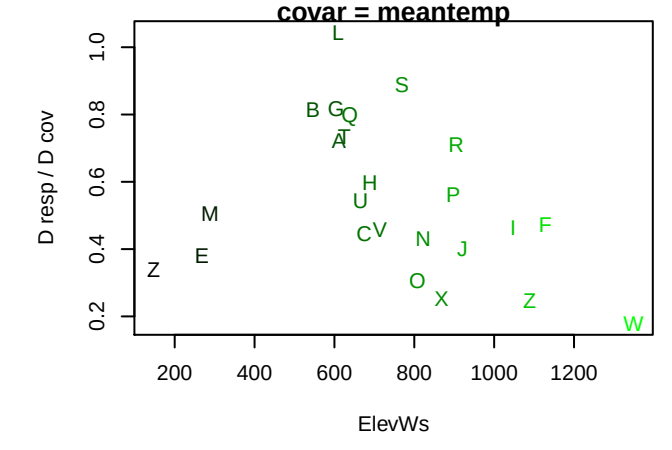

Z
0.0
0.6
0
5
10
15
20
25
Lag

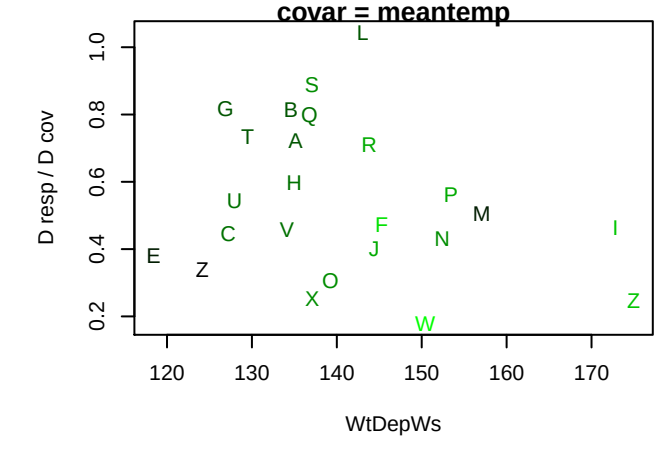

ZA
0.0
0.6
0
5
10
15
20
25
Lag

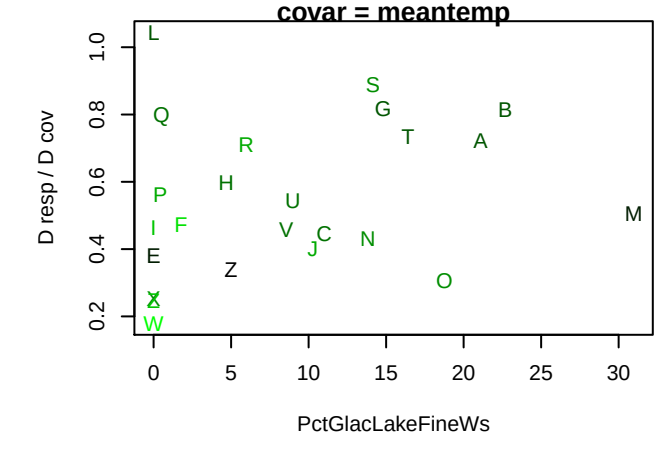

covar = meantemp
D resp / D cov
BFIWs
52
54
56
58
60
62
64
0.2
0.4
0.6
0.8
1.0

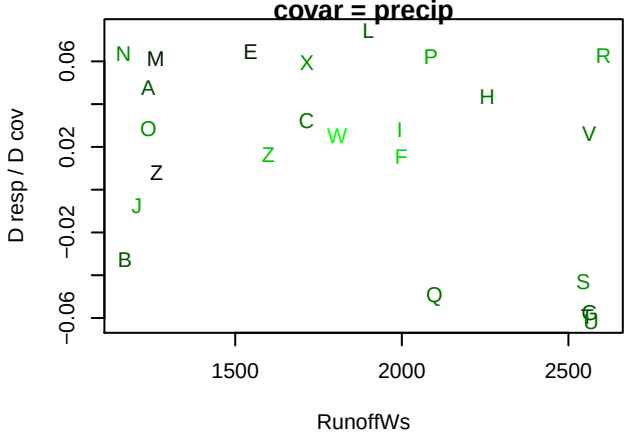

covar = meantemp
D resp / D cov
PctIce2011Ws
0
1
2
3
4
0.2
0.4
0.6
0.8
1.0

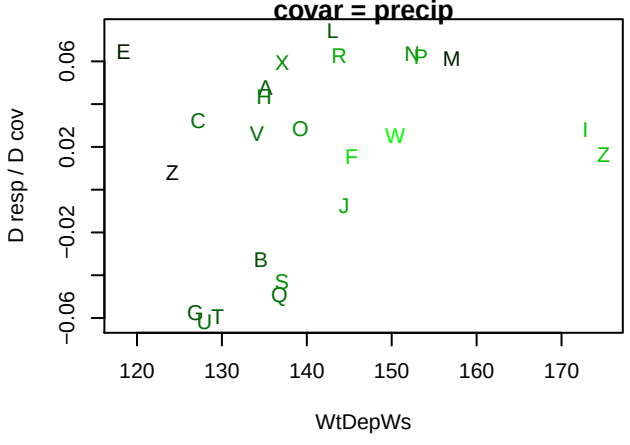

covar = meantemp
D resp / D cov
RunoffWs
1500
2000
2500
0.2
0.4
0.6
0.8
1.0

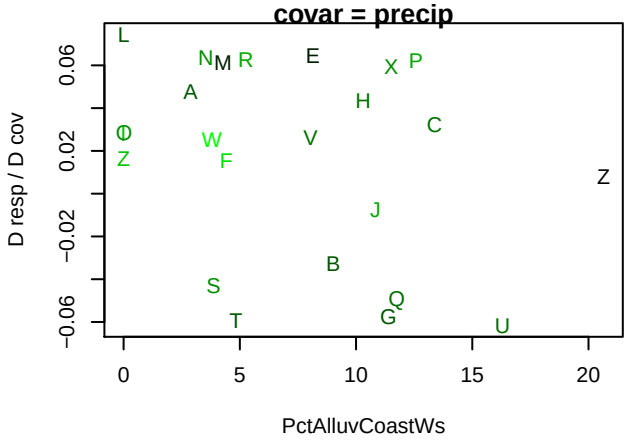

covar = meantemp
D resp / D cov
ElevWs
200
400
600
800
1000
1200
0.2
0.4
0.6
0.8
1.0

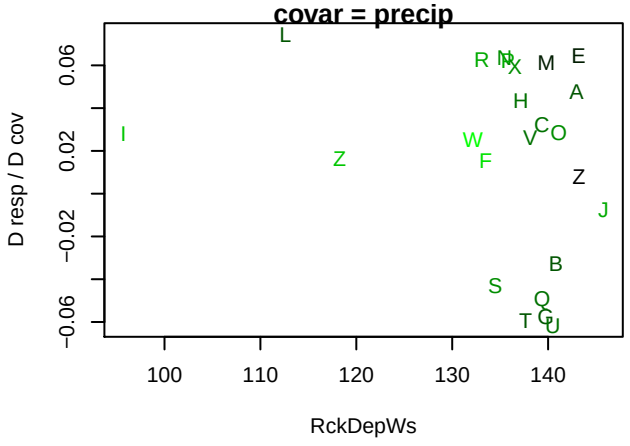

covar = meantemp
D resp / D cov
WtDepWs
120
130
140
150
160
170
0.2
0.4
0.6
0.8
1.0

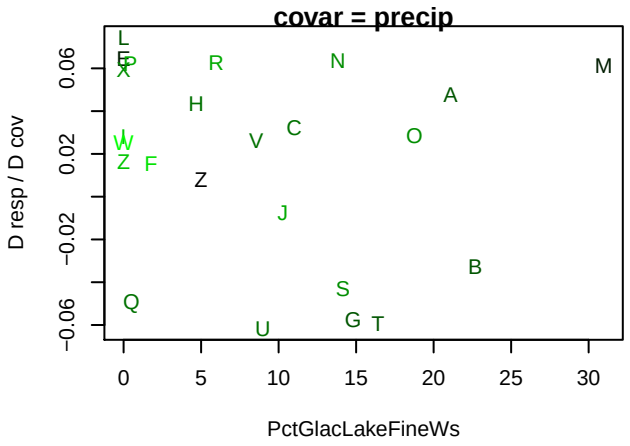

covar = meantemp
D resp / D cov
PctGlacLakeFineWs
0
5
10
15
20
25
30
0.2
0.4
0.6
0.8
1.0

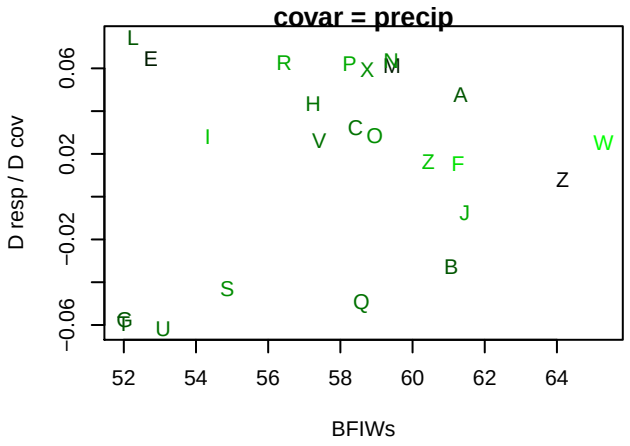

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
1500
2000
2500
RunoffWs

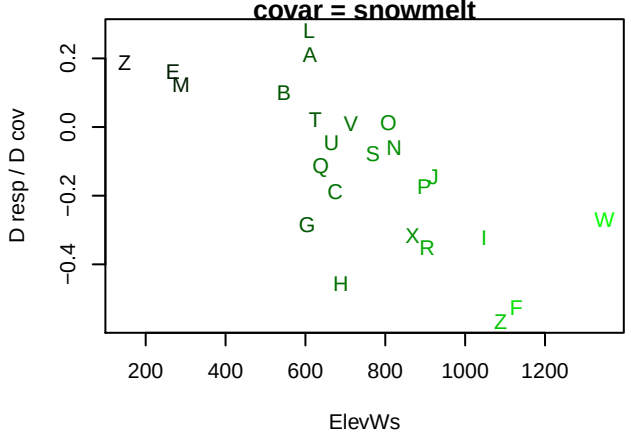

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
120
130
140
150
160
170
WtDepWs

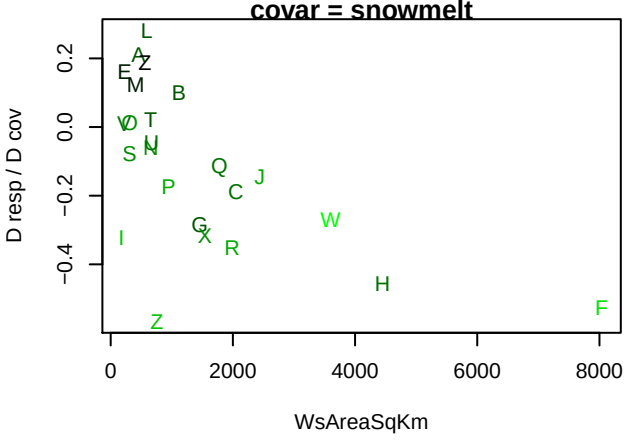

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
0
5
10
15
20
PctAlluvCoastWs

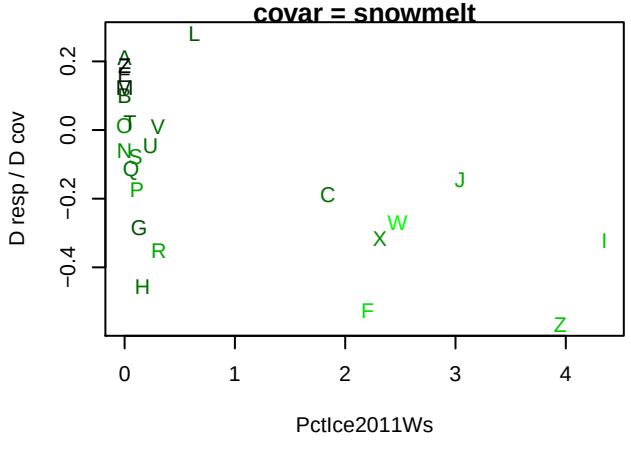

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
100
110
120
130
140
RckDepWs

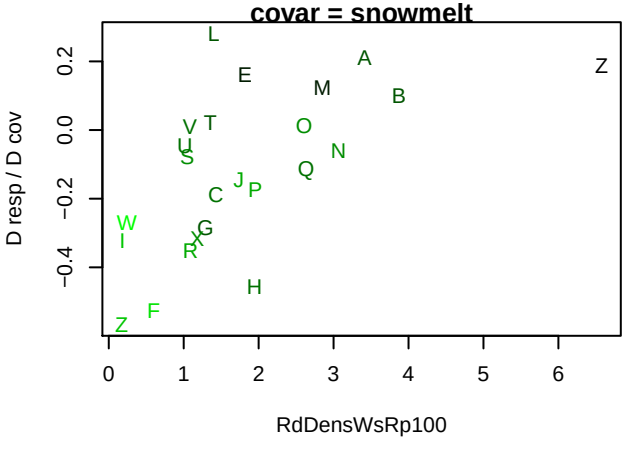

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
0
5
10
15
20
25
30
PctGlacLakeFineWs

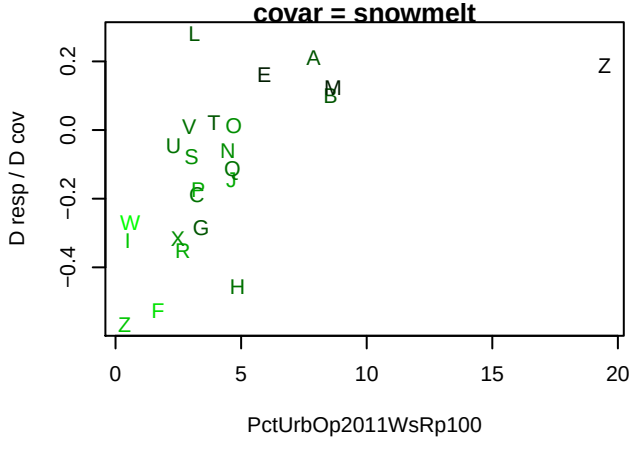

covar = precip
D resp / D cov
0.06
0.02
−0.02
−0.06
52
54
56
58
60
62
64
BFIWs

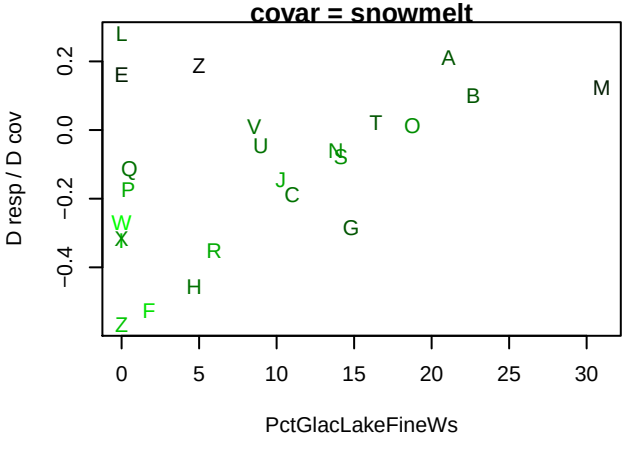

covar = snowmelt
D resp / D cov
ElevWs

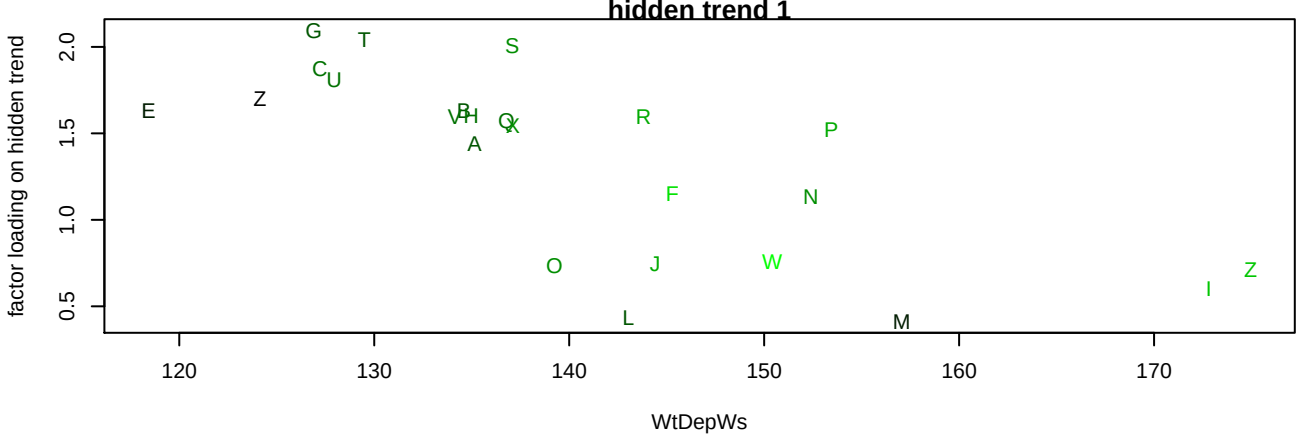

covar = snowmelt
D resp / D cov
WsAreaSqKm

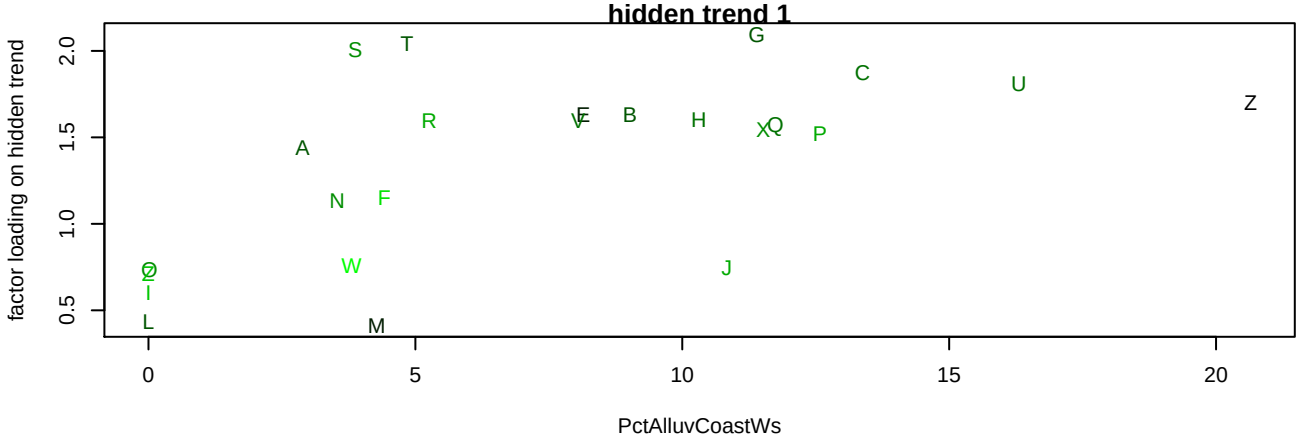

covar = snowmelt
D resp / D cov
PctIce2011Ws

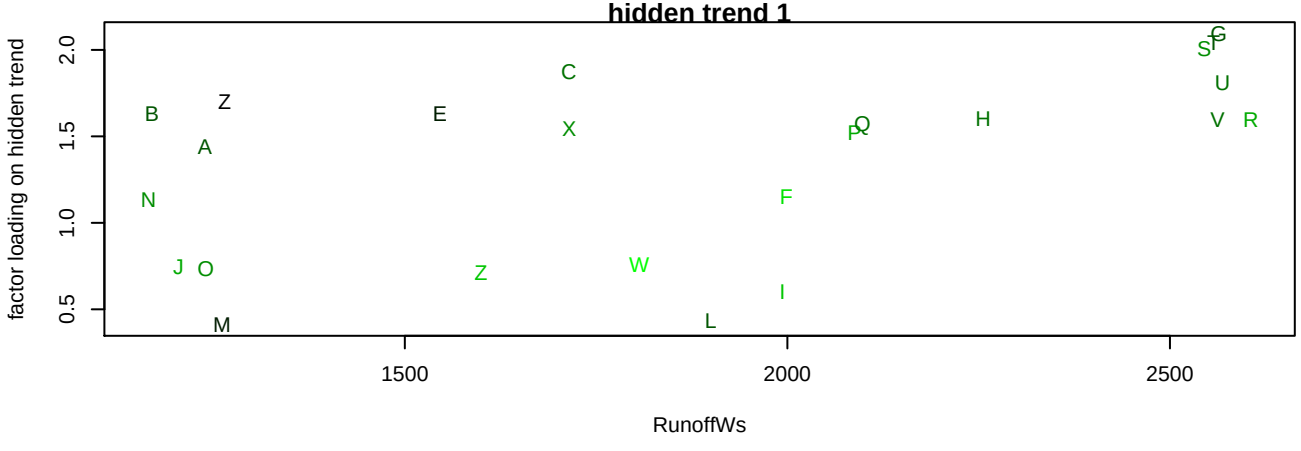

covar = snowmelt
D resp / D cov
RdDensWsRp100

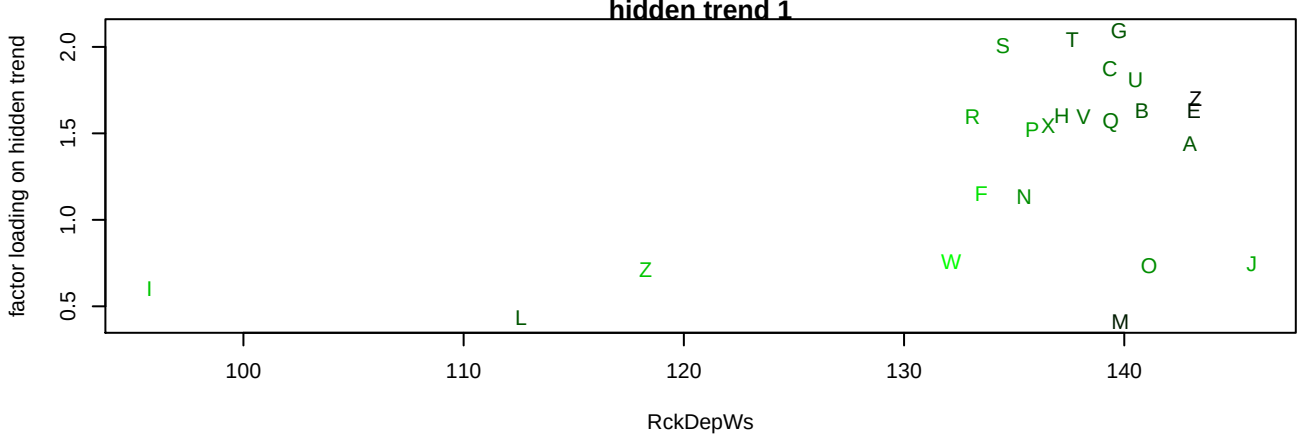

covar = snowmelt
D resp / D cov
PctUrbOp2011WsRp100

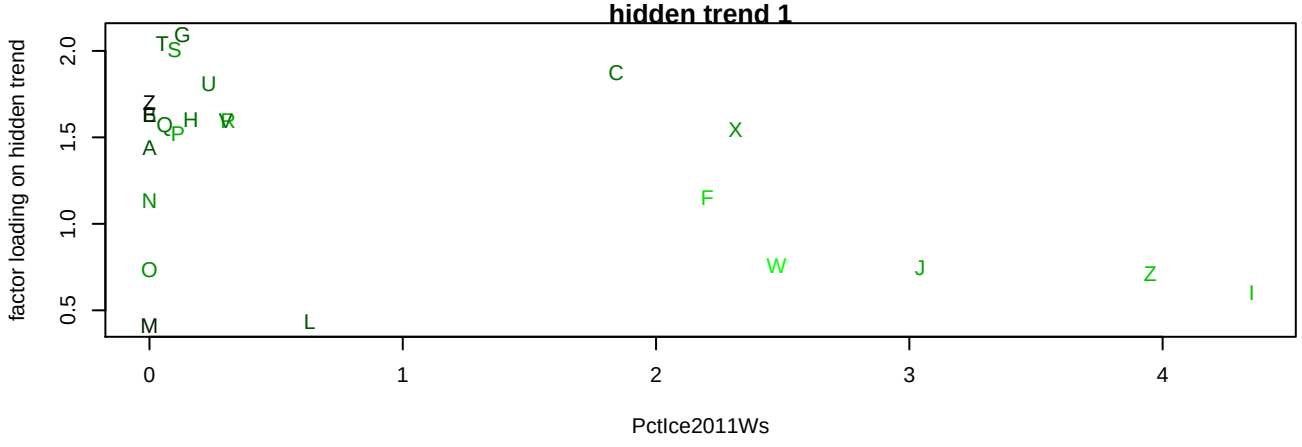

covar = snowmelt
D resp / D cov
PctGlacLakeFineWs

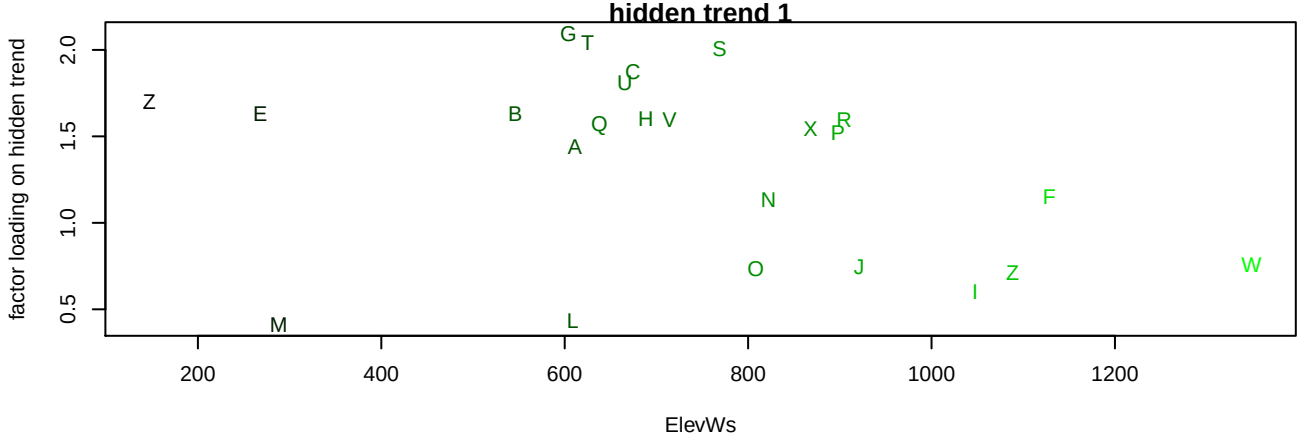

hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
120
130
140
150
160
170
WtDepWs


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
0
5
10
15
20
PctAlluvCoastWs


hidden trend 1
factor loading on hidden trend
0.5
1.0
1.5
2.0
1500
2000
2500
RunoffWs


hidden trend 1
factor loading on hidden trend
RckDepWs
100
110
120
130
140
0.5
1.0
1.5
2.0


hidden trend 1
factor loading on hidden trend
PctIce2011Ws
0
1
2
3
4
0.5
1.0
1.5
2.0


hidden trend 1
factor loading on hidden trend
ElevWs
200
400
600
800
1000
1200
0.5
1.0
1.5
2.0