

Use side-view HSI data to predict log gsw

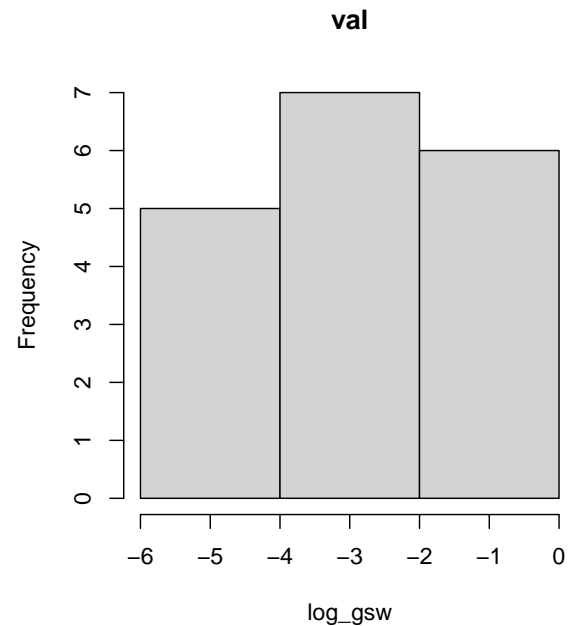
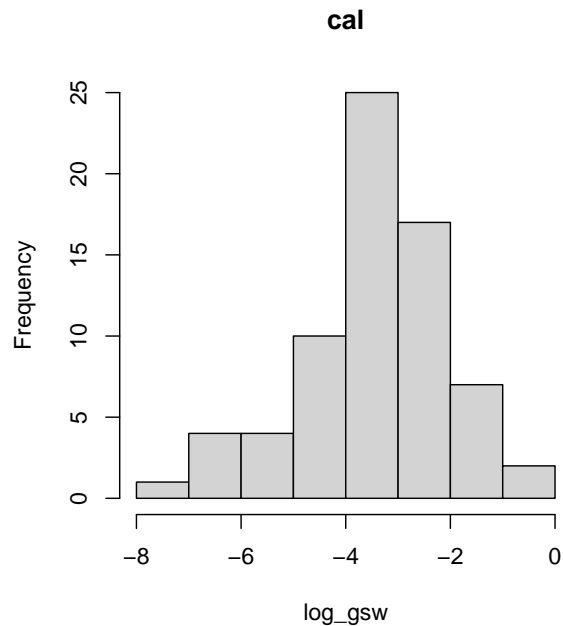
2023-08-08

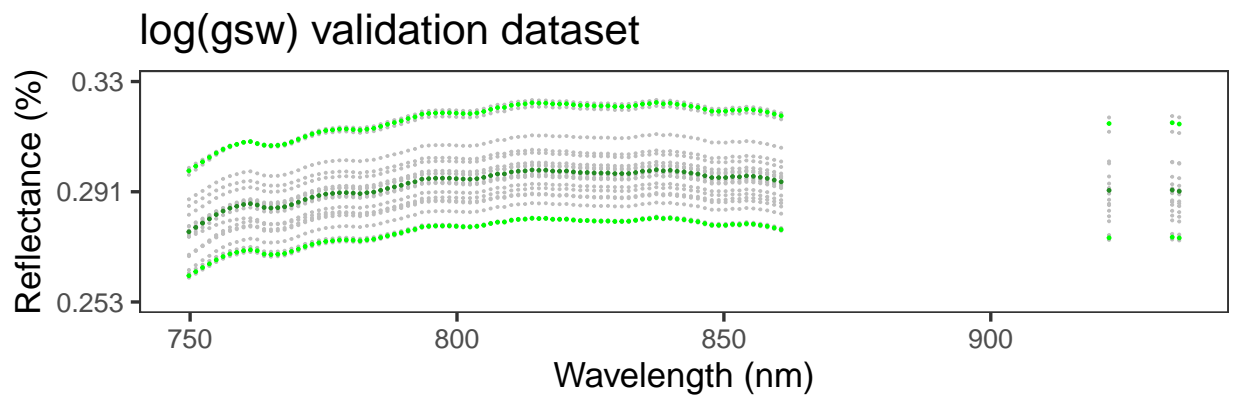
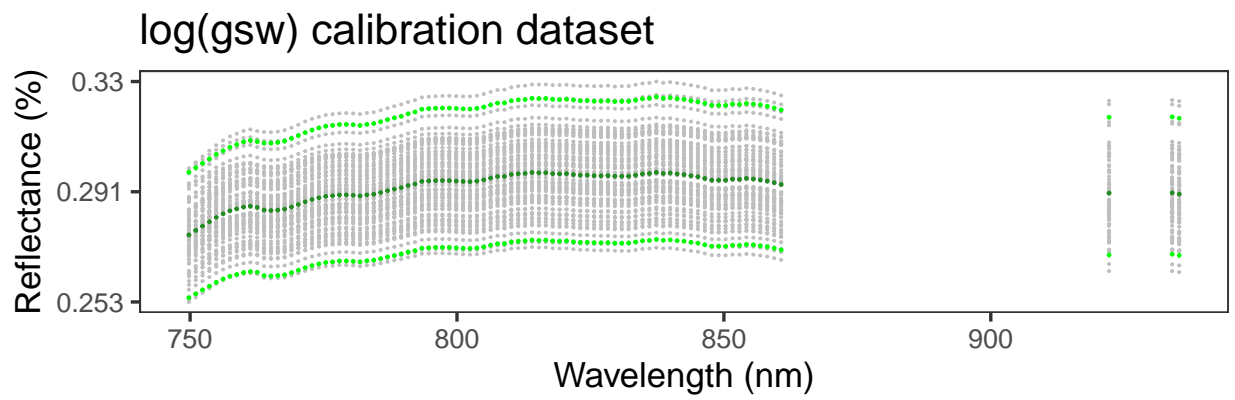
```
## $plsralg
## [1] "oscorespls"

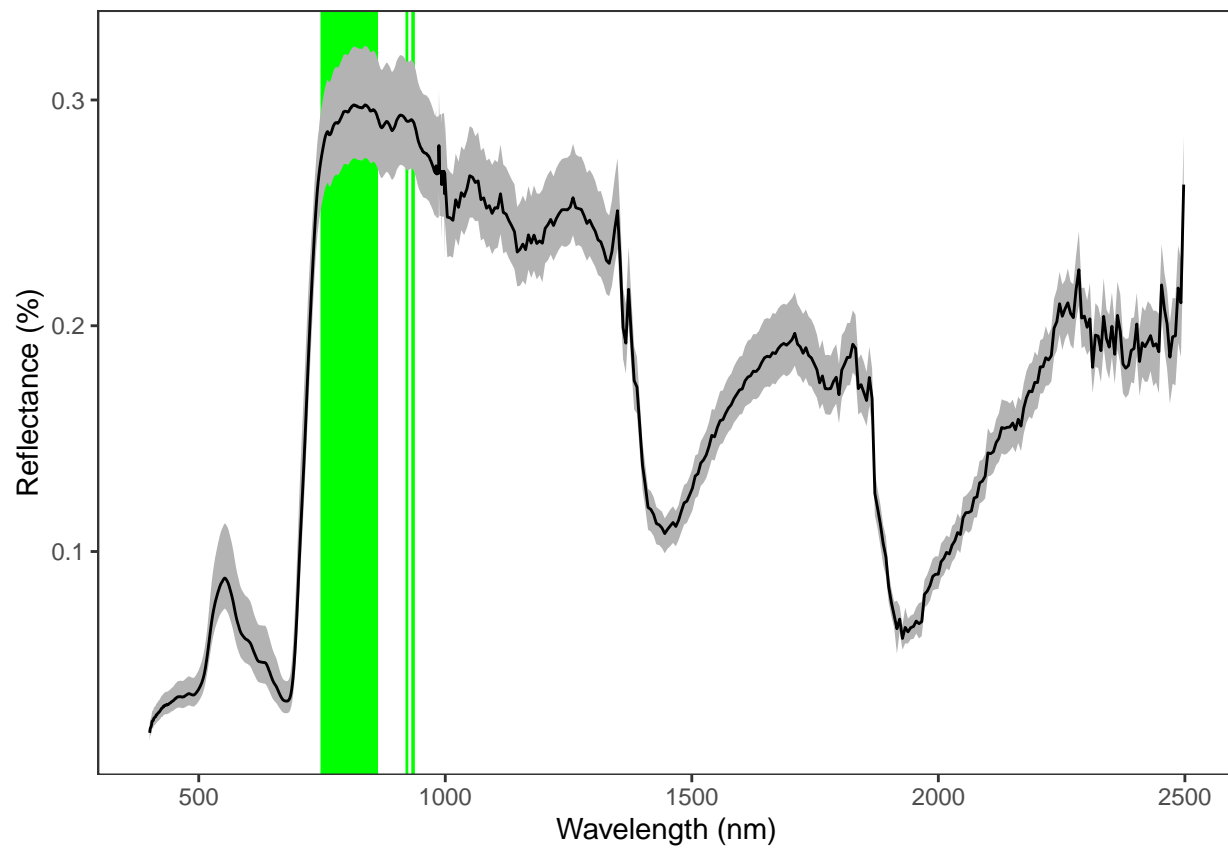
## [1] "936" "944" "938" "913" "929" "930" "922" "917" "947" "920" "906" "927"
## [13] "943" "911" "923" "934" "931" "915" "948" "935" "904" "903" "933" "939"
## [25] "941" "937" "908" "918" "910" "924" "942" "905" "916" "946" "988" "991"
## [37] "981" "952" "974" "971" "984" "982" "960" "969" "986" "958" "962" "955"
## [49] "965" "972" "957" "961" "976" "954" "964" "977" "983" "953" "968" "963"
## [61] "989" "996" "959" "973" "979" "980" "994" "951" "987" "995"

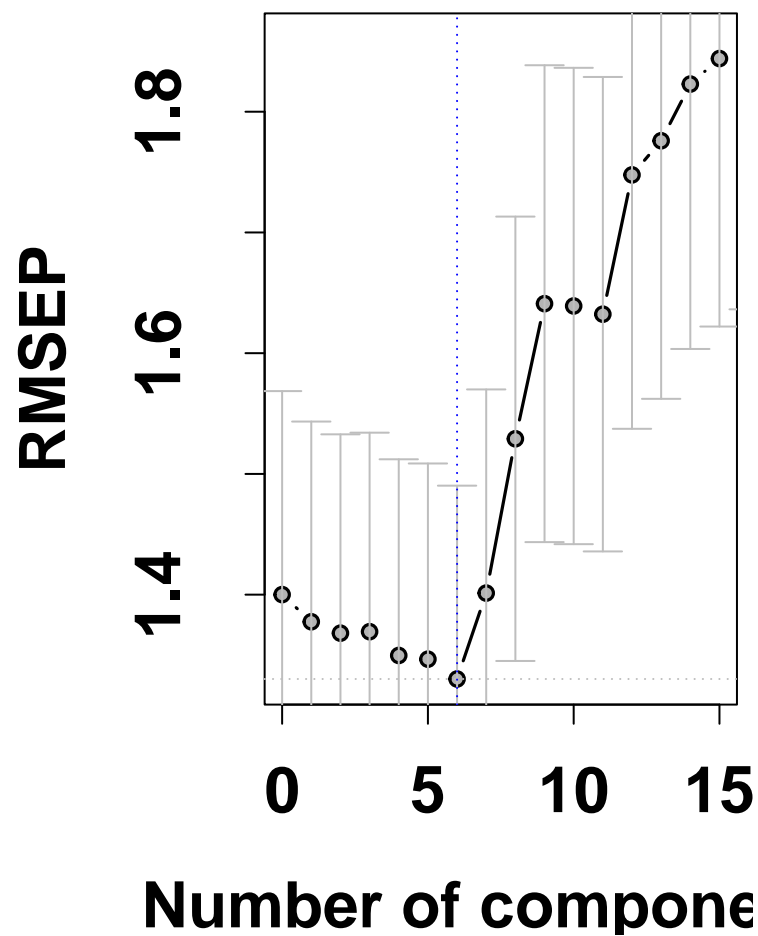
## [1] "902" "909" "912" "914" "919" "921" "925" "940" "945" "950" "956" "967"
## [13] "970" "975" "985" "990" "992" "993"

##           value      wv
## 365 0.06119654 856.8300
## 368 0.06084147 860.7321
## 367 0.06033990 859.4311
## 424 0.05977000 933.9918
## 425 0.05940128 935.3072
## 415 0.05916512 922.1640
```



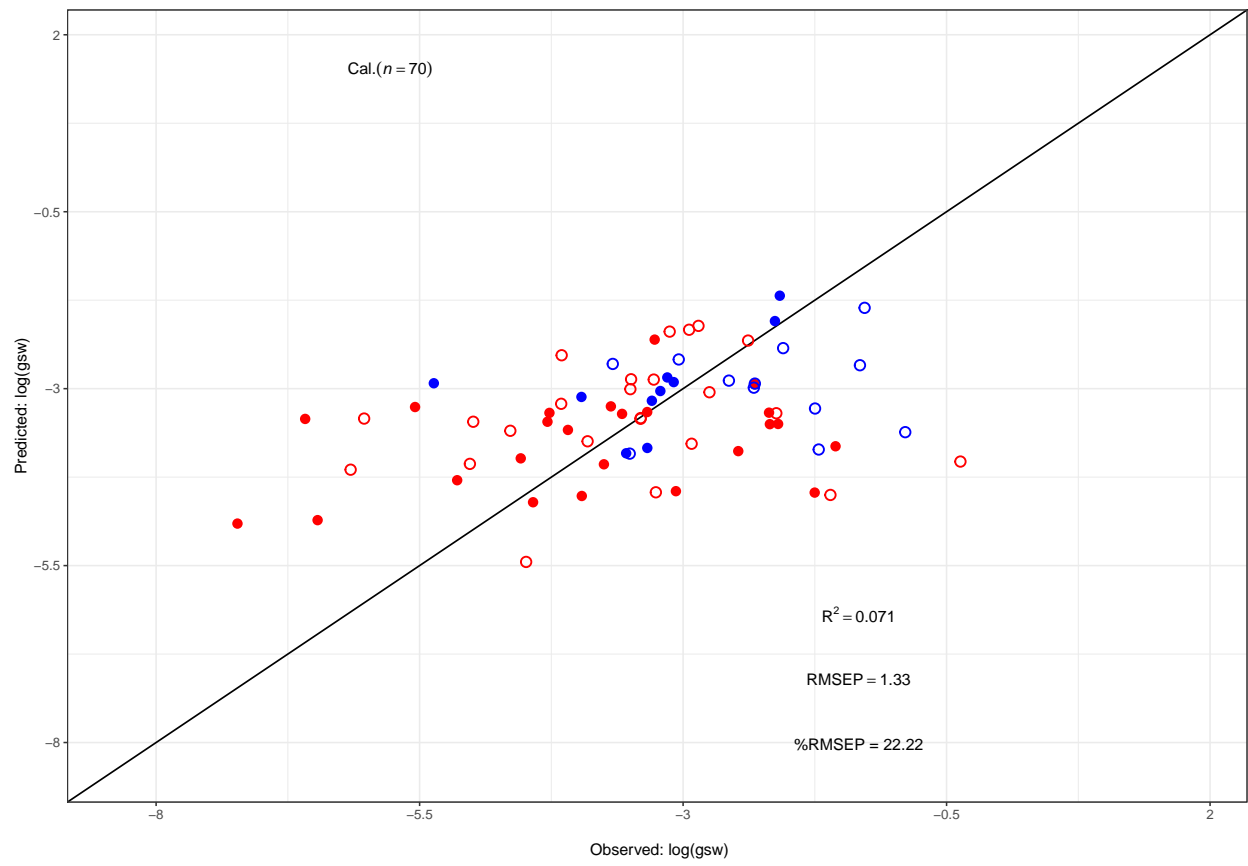


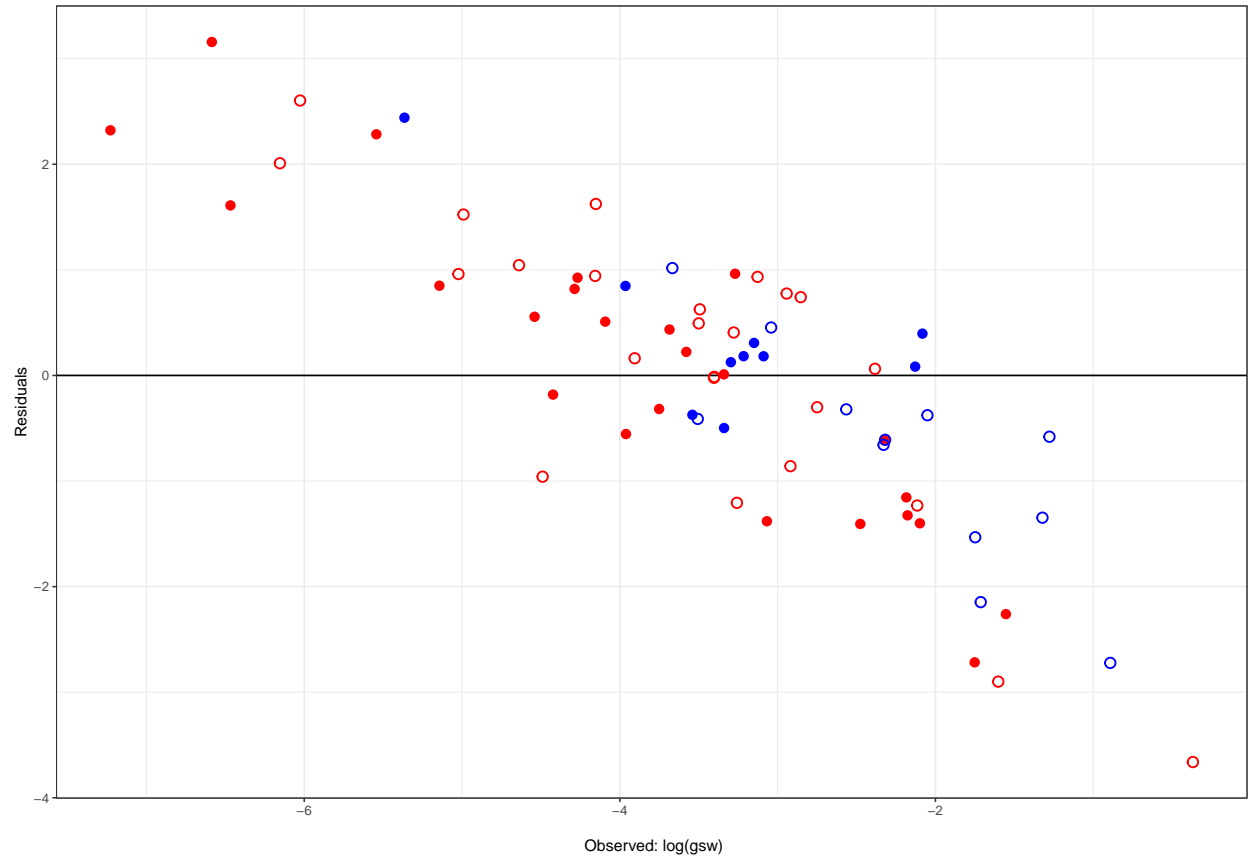


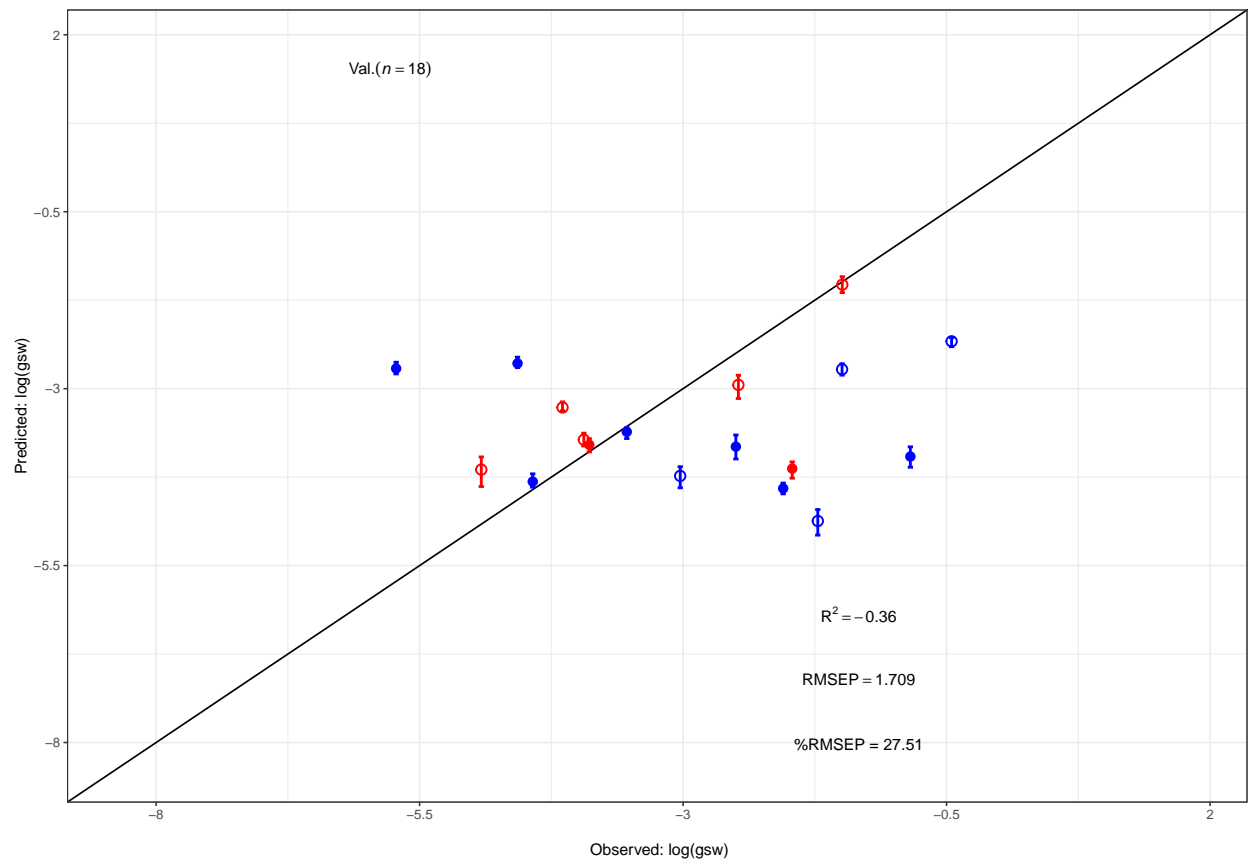


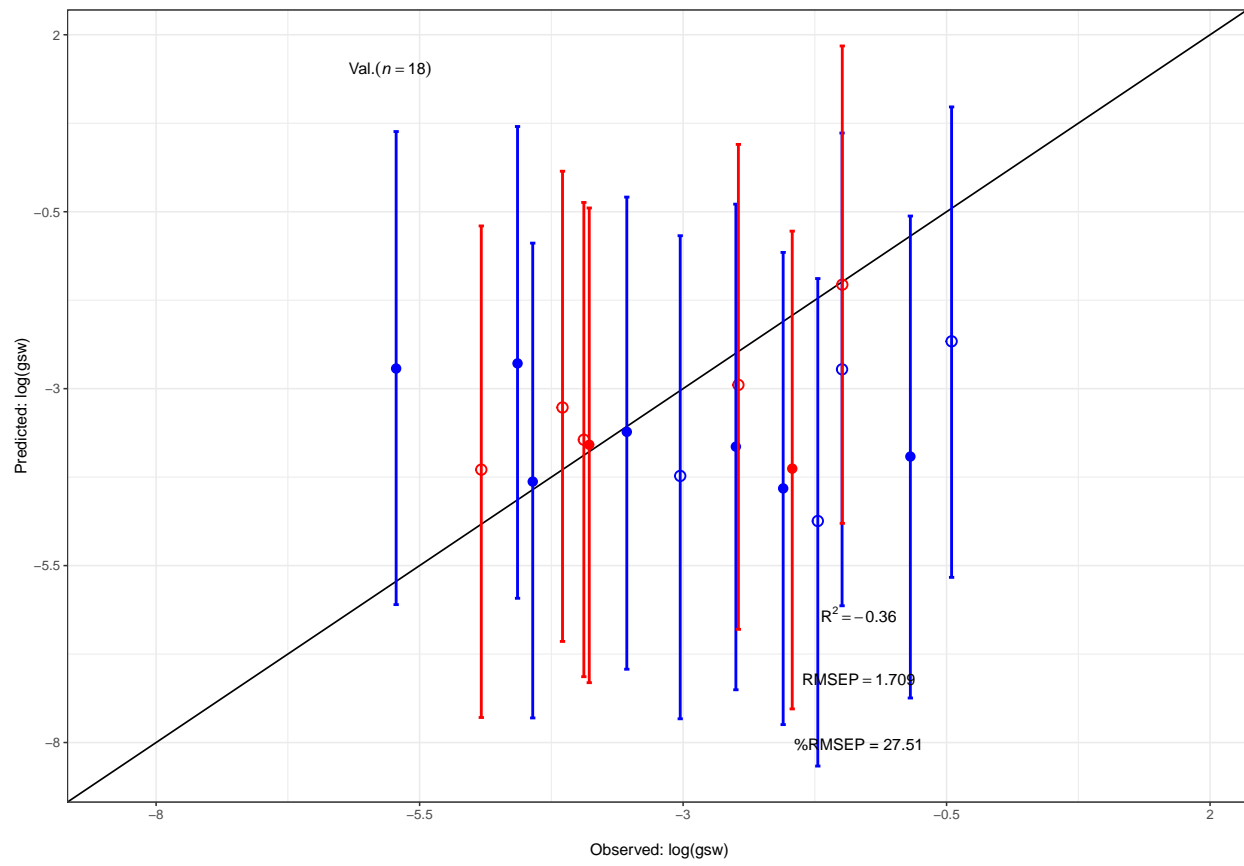
```
## data_set      R2 RMSEP NRMSEP
## 1      cal  0.071 1.330 19.391
## 2      val -0.360 1.709 32.419
```

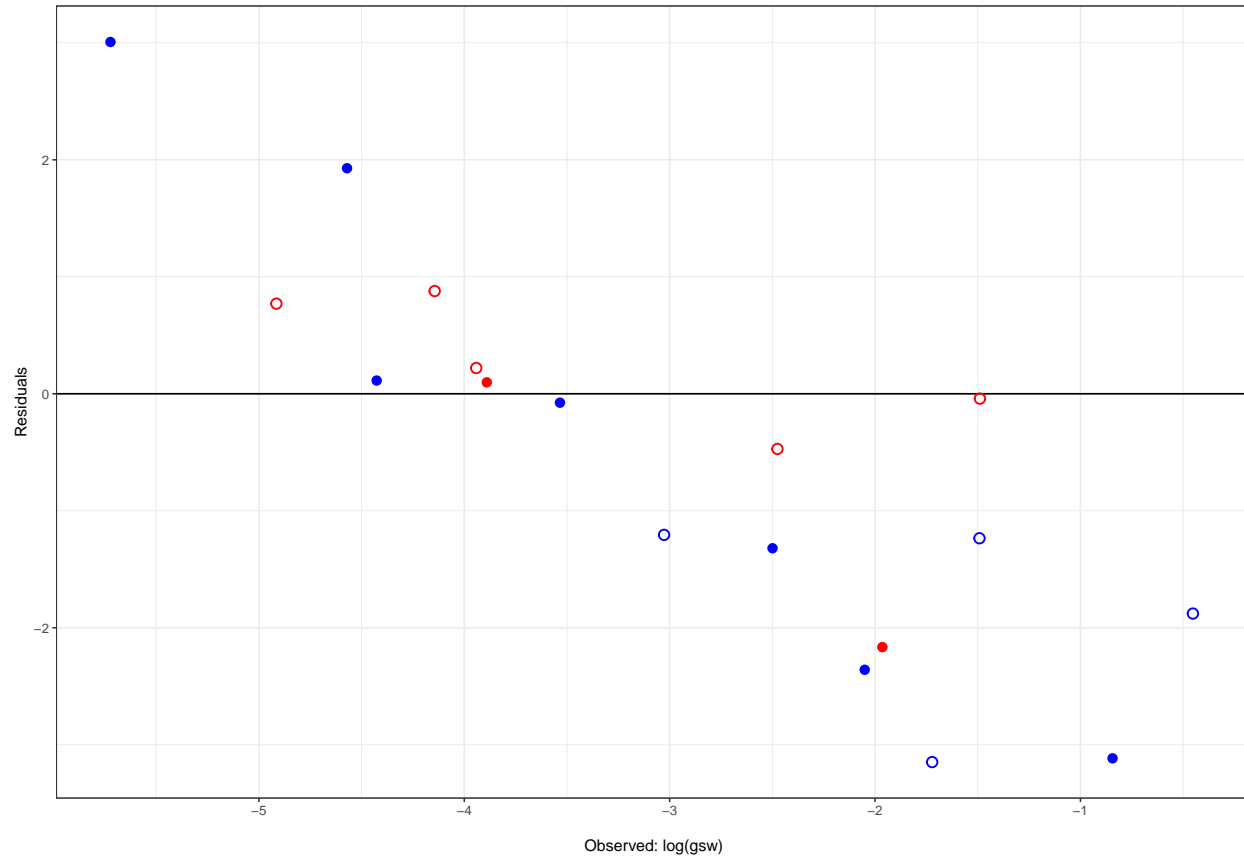
```
##      Observed Predicted   Residuals Treatment Subpop      uci      lci
## 1 -5.7226487 -2.715529  3.00711987      N1      TRJ -2.626699 -2.791747
## 2 -2.0505350 -4.409388 -2.35885300      N1      TRJ -4.334561 -4.486929
## 3 -4.4265855 -4.313281  0.11330500      N1      TRJ -4.203847 -4.392335
## 4 -3.5341375 -3.610144 -0.07600665      N1      TRJ -3.552584 -3.704971
## 5 -0.8436641 -3.959250 -3.11558610      N1      TRJ -3.822103 -4.109977
## 6 -3.8903933 -3.792761  0.09763213      N1      IND -3.706965 -3.894329
##          upi      lpi
## 1  0.6328397 -6.051286
## 2 -1.0747878 -7.746702
## 3 -0.9437370 -7.652446
## 4 -0.2933321 -6.964223
## 5 -0.5612056 -7.370875
## 6 -0.4470892 -7.154205
```











```
##      Iteration Intercept X757.46119 X760.0231 X758.74202 X756.18063
## Seg 1          1 -12.98177  72.69123  77.19534 -35.25753 -28.85326
## Seg 2          2 -12.89411  71.99608  78.60630 -34.08988 -29.43417
## Seg 3          3 -13.11927  71.03018  78.66188 -35.25396 -31.26196
## Seg 4          4 -15.43213  69.67072 104.02657 -24.96729 -22.04477
## Seg 5          5 -13.66436  71.95609  83.77494 -28.32523 -29.06940
## Seg 6          6 -13.10614  58.89854  66.88884 -30.43028 -44.55926
```

```
##      coefs
## 757.46119  71.33866
## 760.0231   77.97673
## 758.74202 -34.17433
## 756.18063 -29.80796
## 761.30443  50.75956
## 754.90031 -68.41036
```