

# Calibration Report for AWF PAR Sensors

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Figure 1: Custom made PAR Sensor

## Background

For the next phase of the Biodiversity-Exploratories research project all climate stations on the experimental plots will be equipped with Photosynthetic Active Radiation (PAR) sensors. As the commercially available sensors (e.g. LiCOR LI-190) are quite expensive, we are looking for an alternative. Therefore, we build PAR sensors @ AWF based on a prototype developed and tested by MPI Jena. The calibration of the PAR sensors as presented here had two objectives i) to test the variation between copies of the custom made PAR sensor (PAR-AWF), and ii) to compare the measurement to a calibrated reference.

## Method

The calculation of the calibration factors is based on the aggregated 5 Minutes intervals. We removed the first and last 30 minutes of the time series to avoid disturbances during the set-up of the devices. The calibration coefficients are calculated as the slope of the linear regression model with no intercept. For the analysis and fitting of the linear models all values  $\leq 0.1$  mV were removed as we assume that this is below the sensitivity of the data logger.

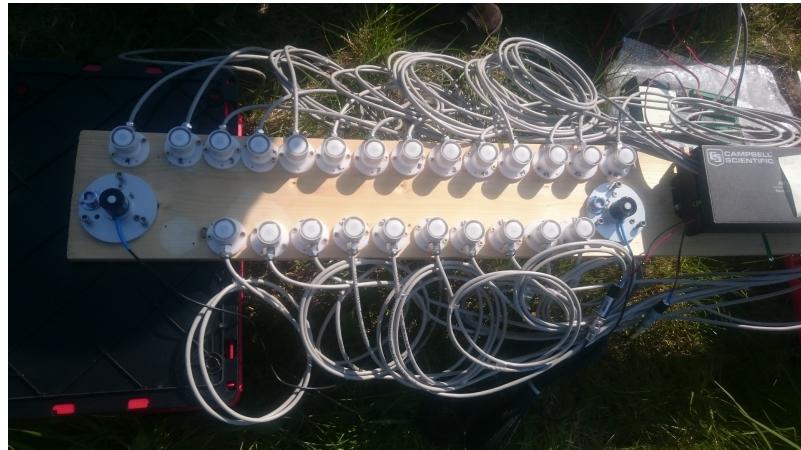


Figure 2: Calibration setup of Sensors

# SENSOR:001

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 50.522**

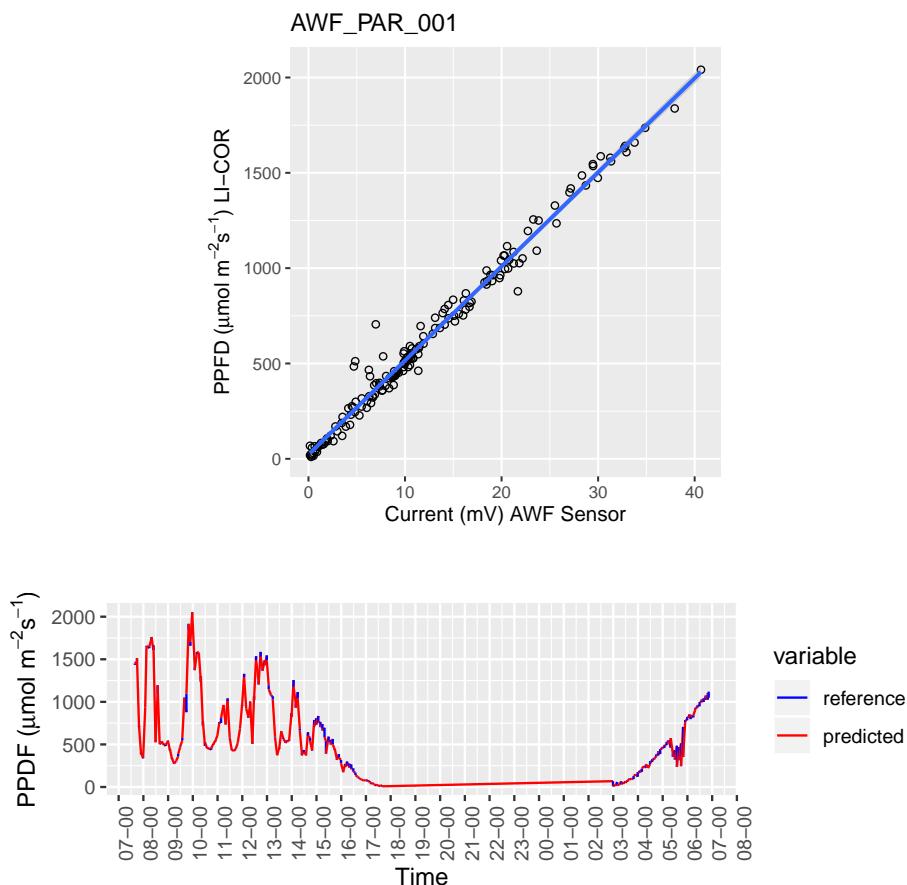
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_001 | 50.5217  | 0.2976     | 169.75  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 59.19 PPFD

Adjusted R-squared: 0.994



## SENSOR:002

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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### CALIBRATION RESULTS:

**Calibration Factor: 51.15**

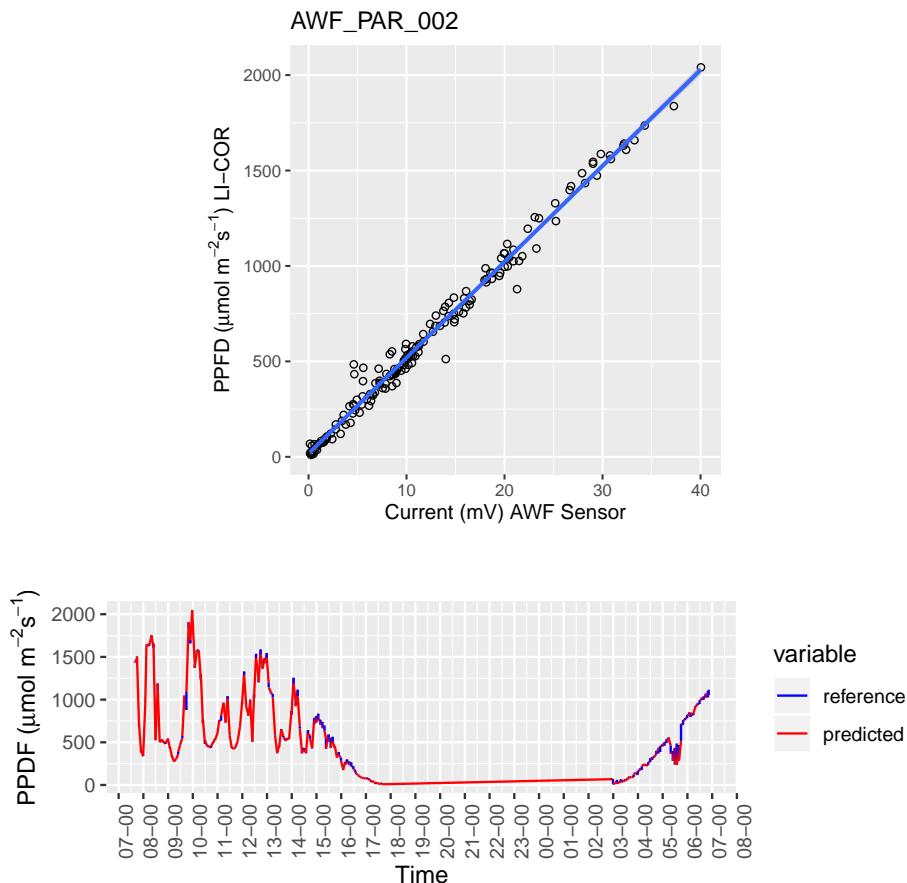
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_002 | 51.1499  | 0.2689     | 190.22  | 0.0000   |

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### QUALITY REPORT:

Residual standard error: 52.85 PPFD

Adjusted R-squared: 0.995



# SENSOR:003

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 49.622**

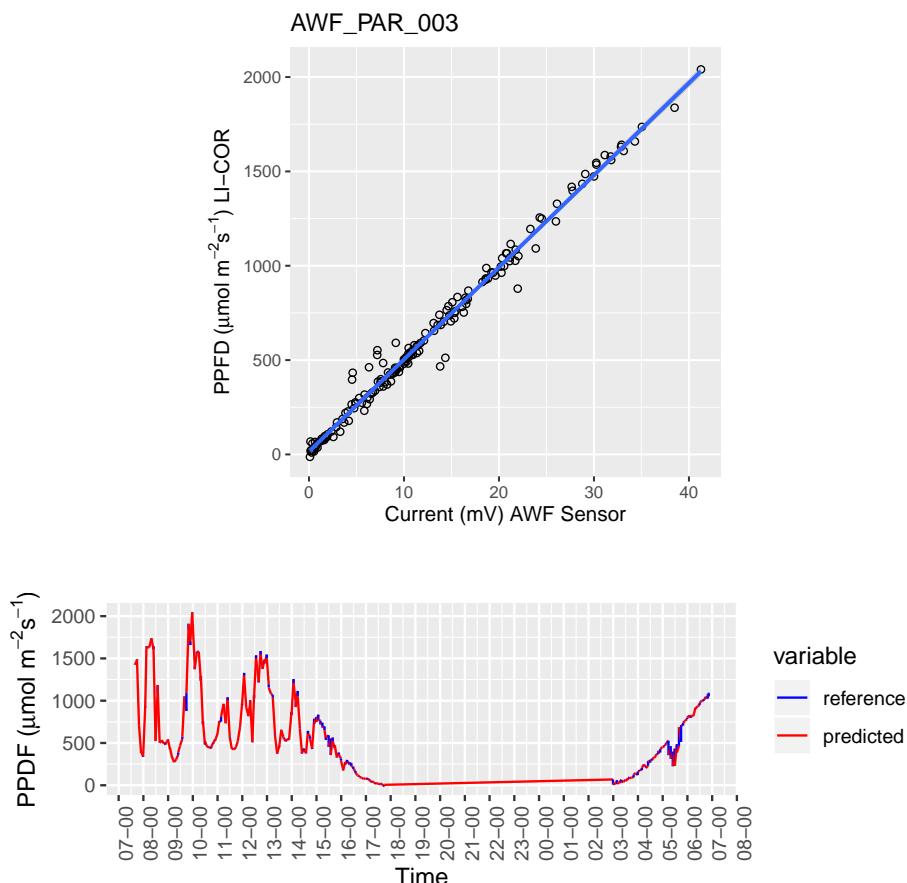
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_003 | 49.6217  | 0.2536     | 195.70  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 51.38 PPFD

Adjusted R-squared: 0.996



# SENSOR:004

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.806**

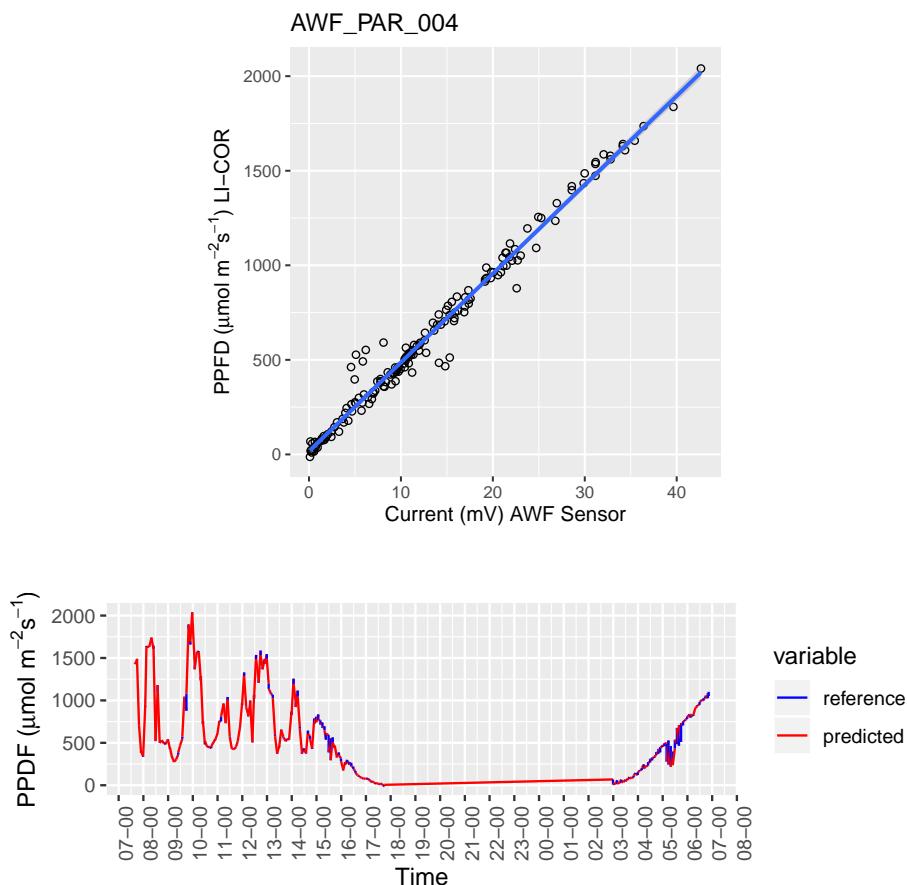
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_004 | 47.8061  | 0.3000     | 159.35  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 63.02 PPFD

Adjusted R-squared: 0.993



# SENSOR:005

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 50.249**

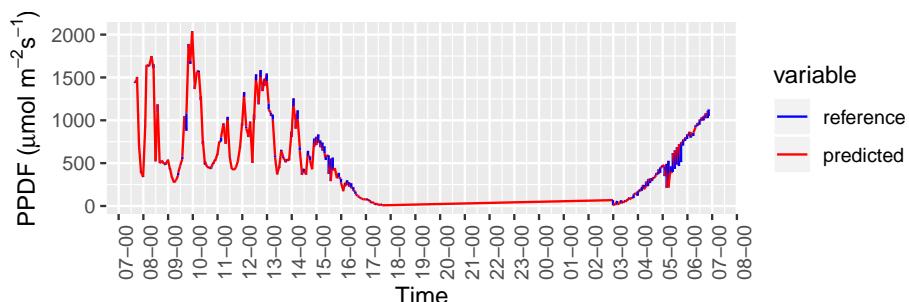
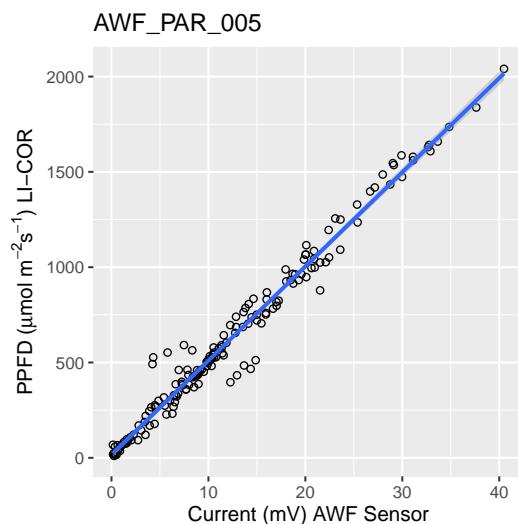
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_005 | 50.2494  | 0.3686     | 136.31  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 73.59 PPFD

Adjusted R-squared: 0.991



# SENSOR:006

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 52.535**

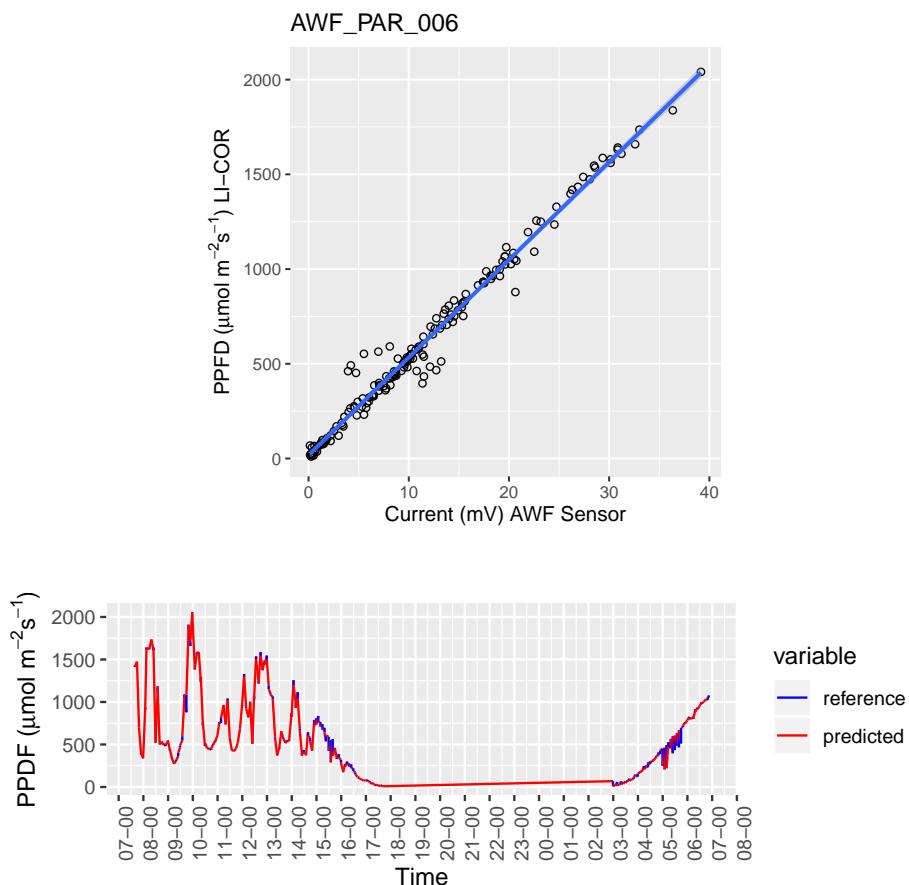
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_006 | 52.5353  | 0.3338     | 157.39  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 63.81 PPFD

Adjusted R-squared: 0.993



# SENSOR:007

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.33**

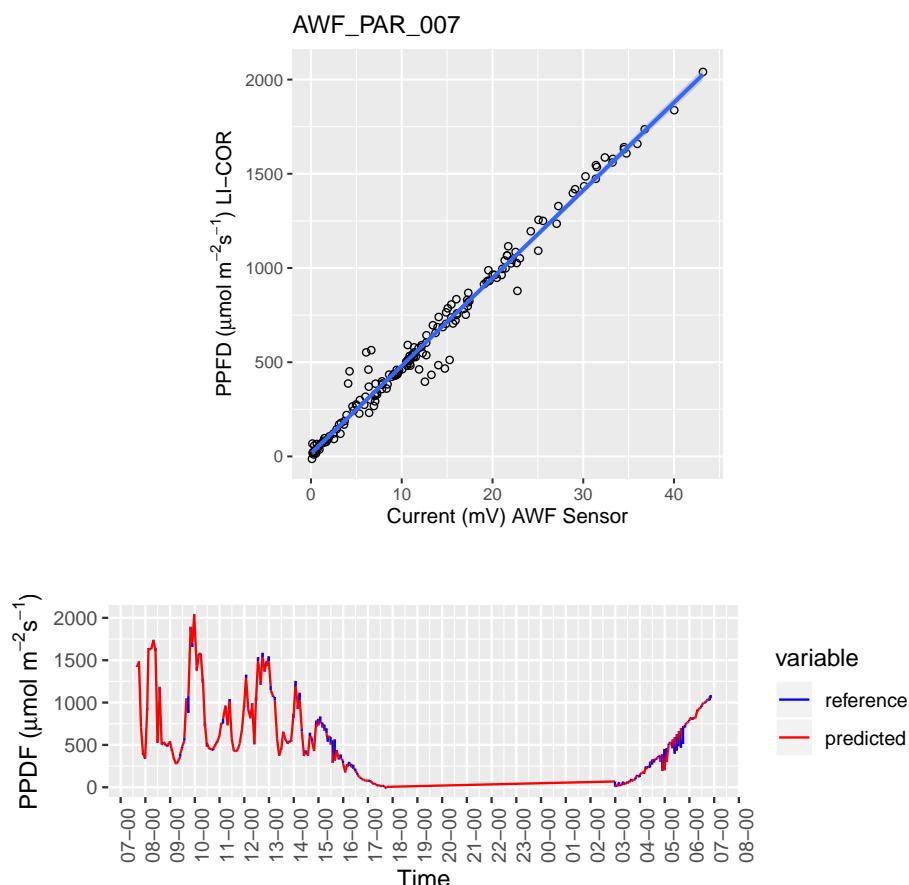
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_007 | 47.3304  | 0.3001     | 157.74  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 63.67 PPFD

Adjusted R-squared: 0.993



# SENSOR:008

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.27**

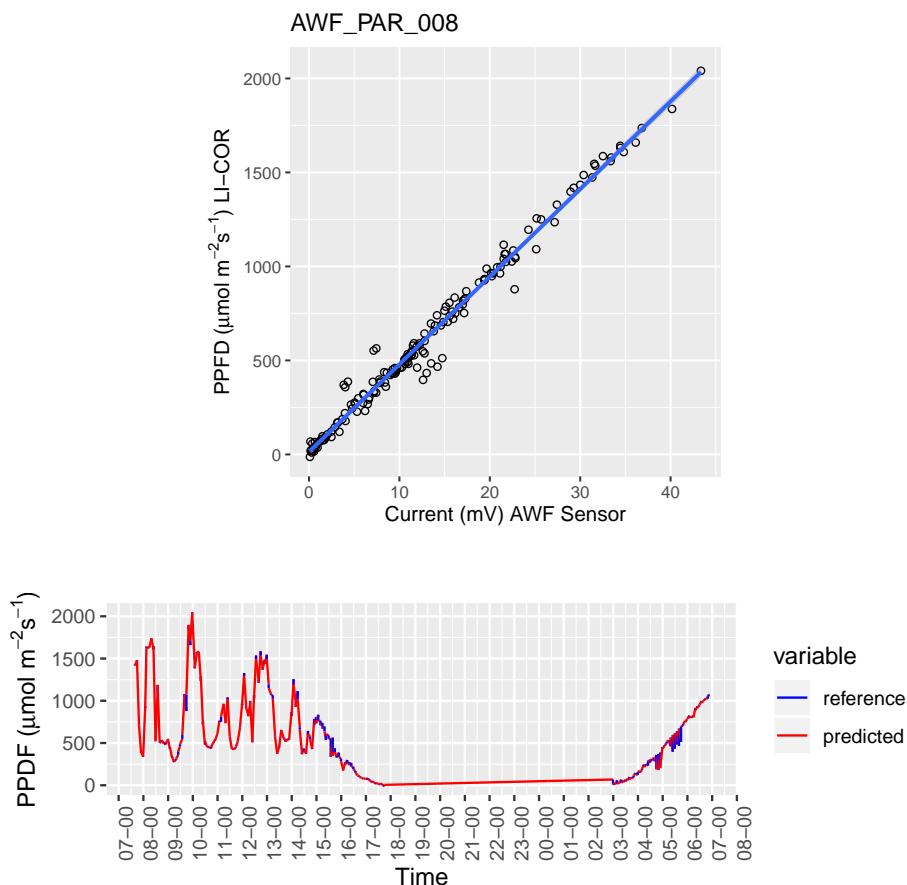
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_008 | 47.2704  | 0.2723     | 173.57  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 57.89 PPFD

Adjusted R-squared: 0.994



# SENSOR:009

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.199**

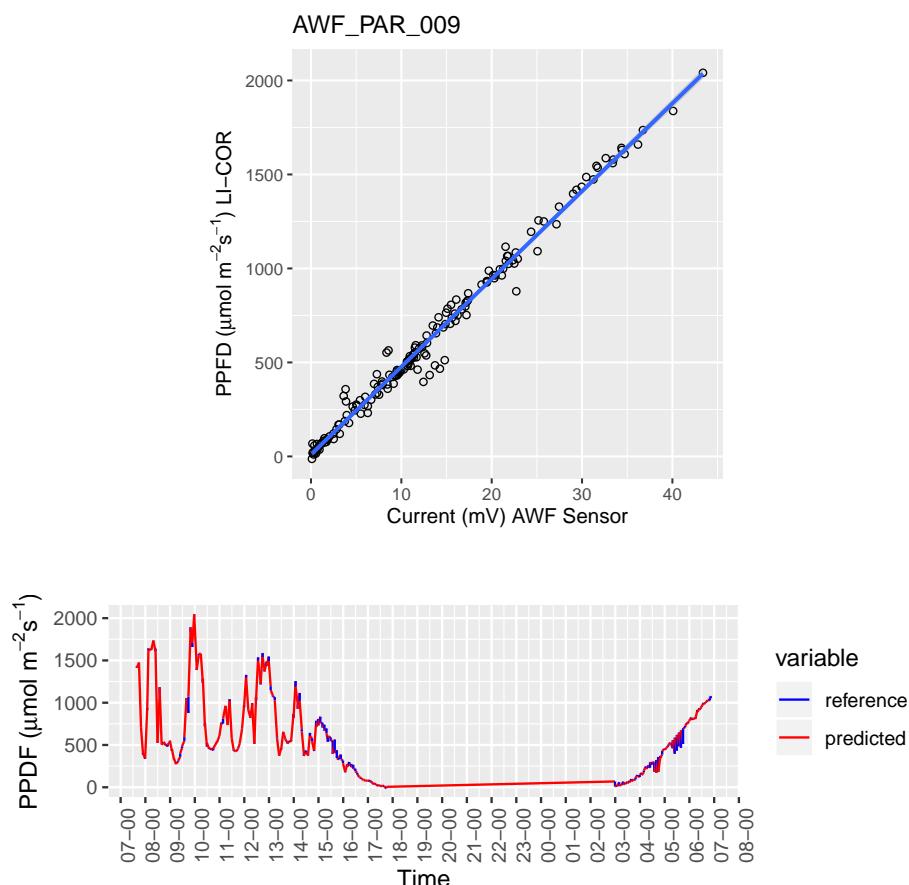
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_009 | 47.1995  | 0.2552     | 184.93  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 54.35 PPFD

Adjusted R-squared: 0.995



# SENSOR:010

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 51.08**

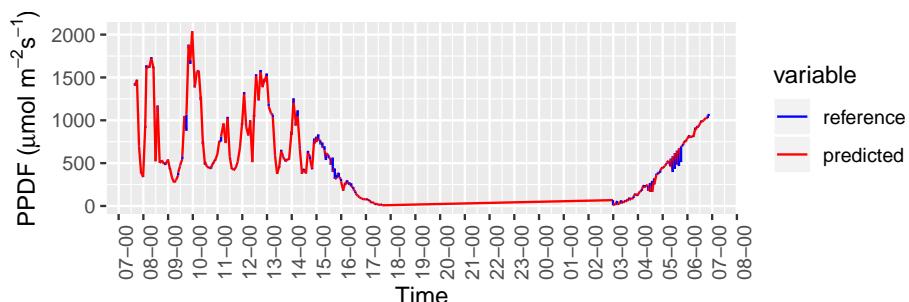
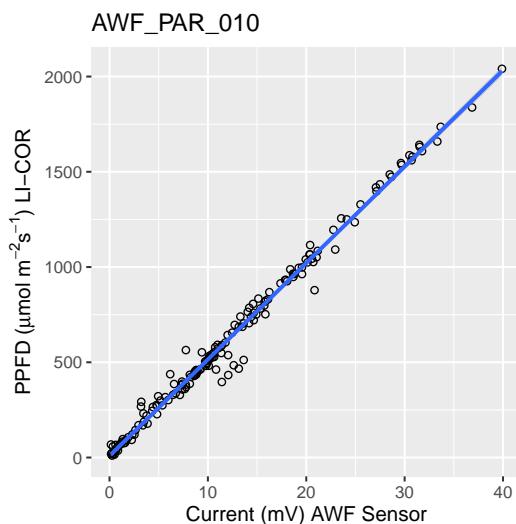
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_010 | 51.0795  | 0.2479     | 206.02  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 48.81 PPFD

Adjusted R-squared: 0.996



# SENSOR:011

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 46.423**

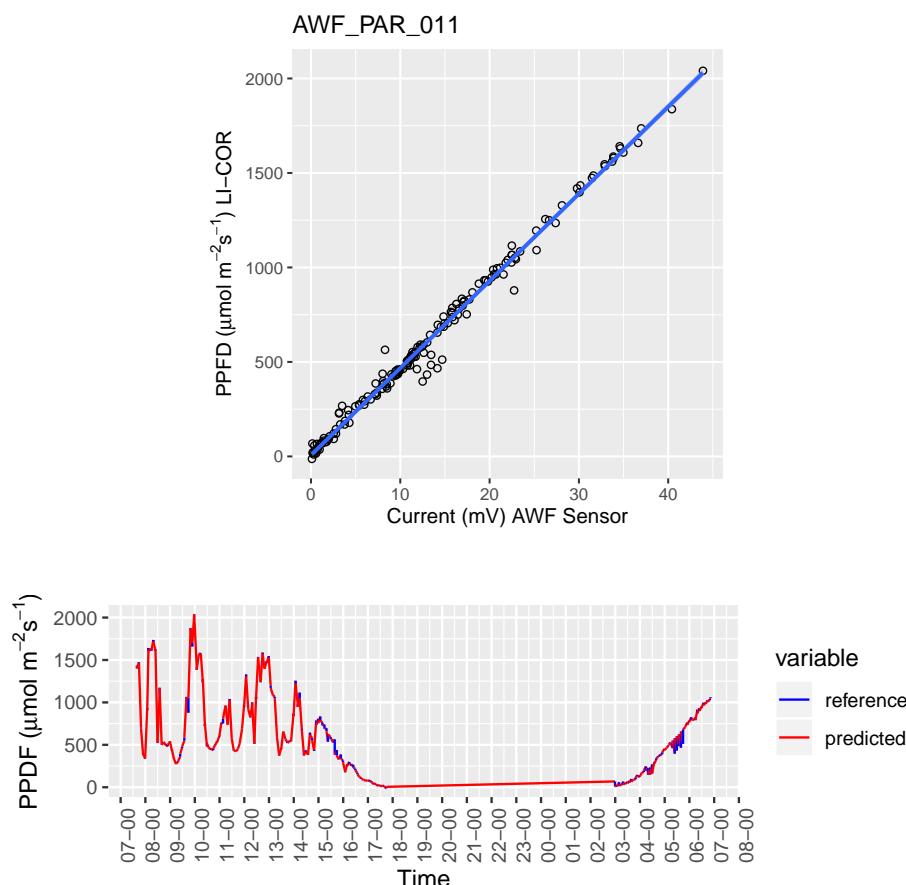
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_011 | 46.4228  | 0.2082     | 223.00  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 45.11 PPFD

Adjusted R-squared: 0.997



## SENSOR:012

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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### CALIBRATION RESULTS:

**Calibration Factor: 47.36**

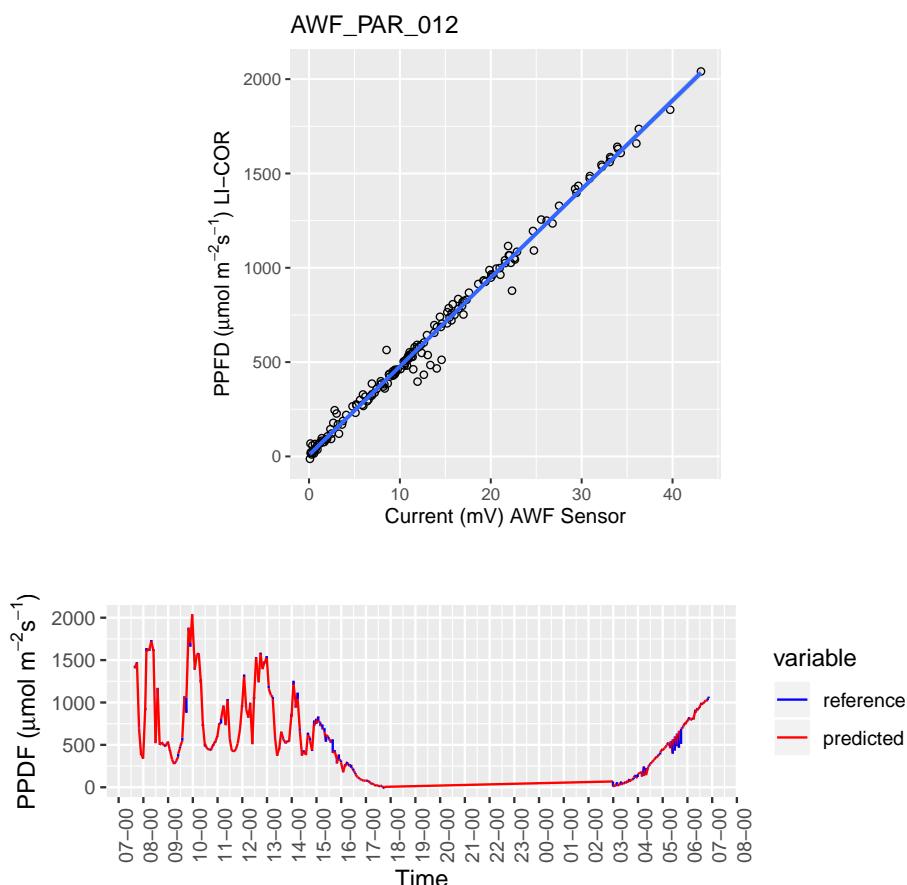
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_012 | 47.3596  | 0.2107     | 224.82  | 0.0000   |

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### QUALITY REPORT:

Residual standard error: 44.74 PPFD

Adjusted R-squared: 0.997



# SENSOR:013

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 48.642**

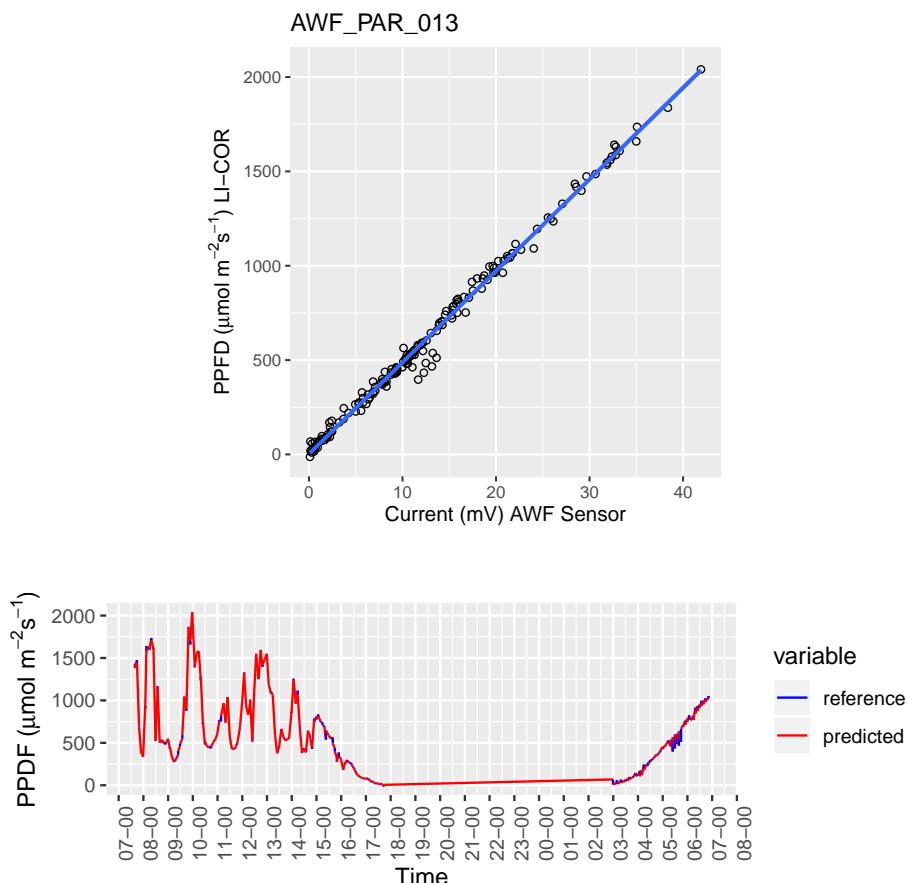
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_013 | 48.6423  | 0.1877     | 259.14  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 38.84 PPFD

Adjusted R-squared: 0.997



# SENSOR:014

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 49.232**

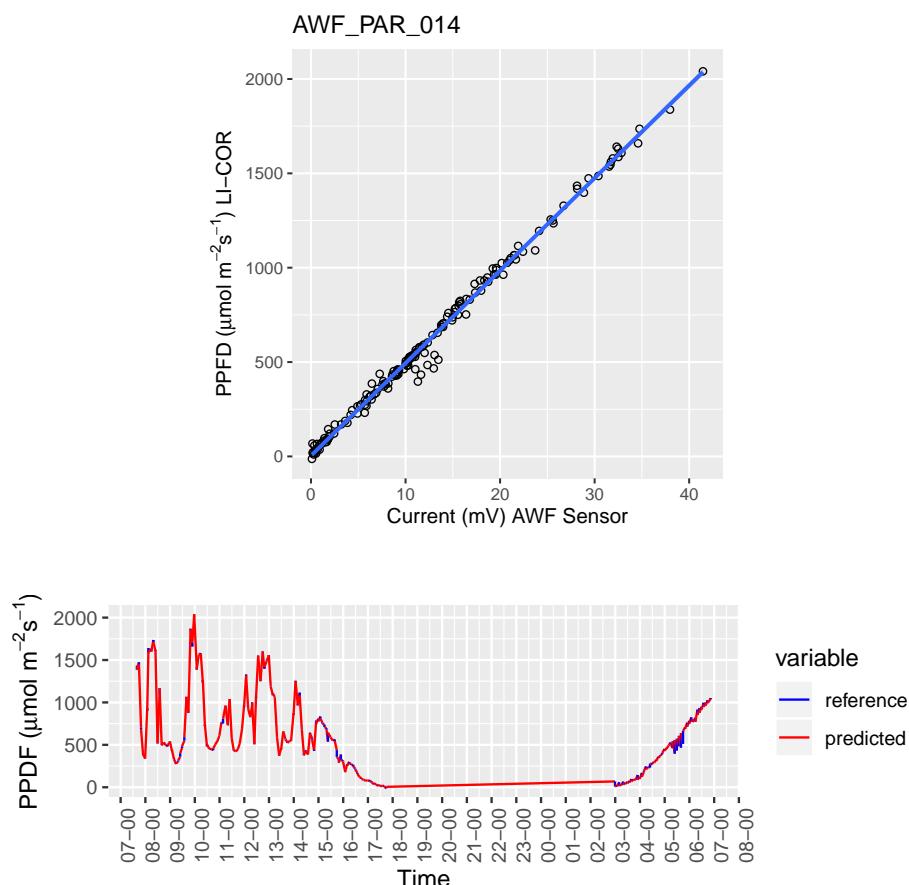
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_014 | 49.2324  | 0.1793     | 274.65  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 36.65 PPFD

Adjusted R-squared: 0.998



# SENSOR:015

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 46.295**

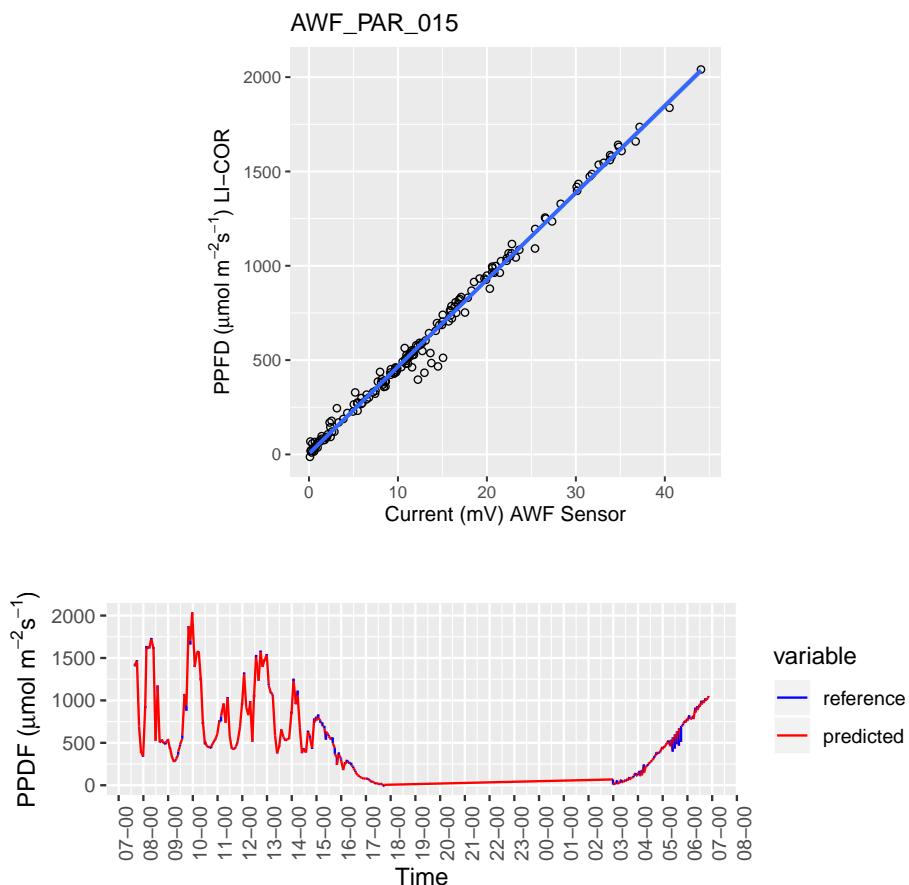
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_015 | 46.2952  | 0.1914     | 241.88  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 41.6 PPFD

Adjusted R-squared: 0.997



# SENSOR:016

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 48.89**

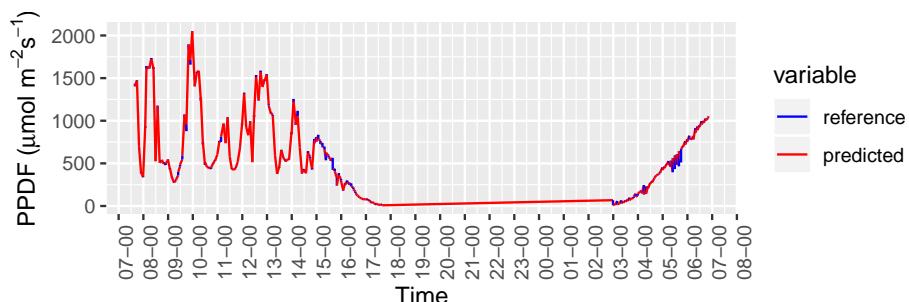
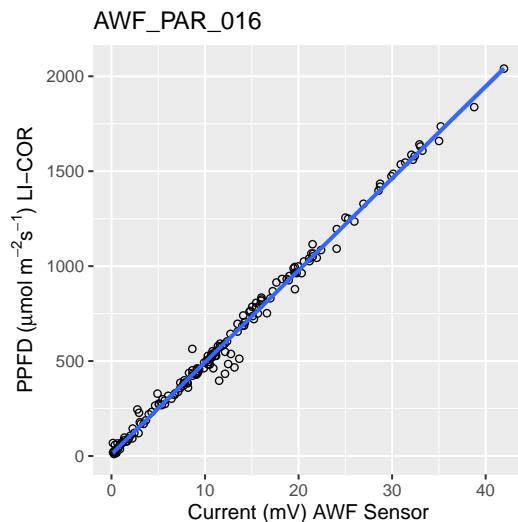
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_016 | 48.8902  | 0.1991     | 245.53  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 40.98 PPFD

Adjusted R-squared: 0.997



# SENSOR:017

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.091**

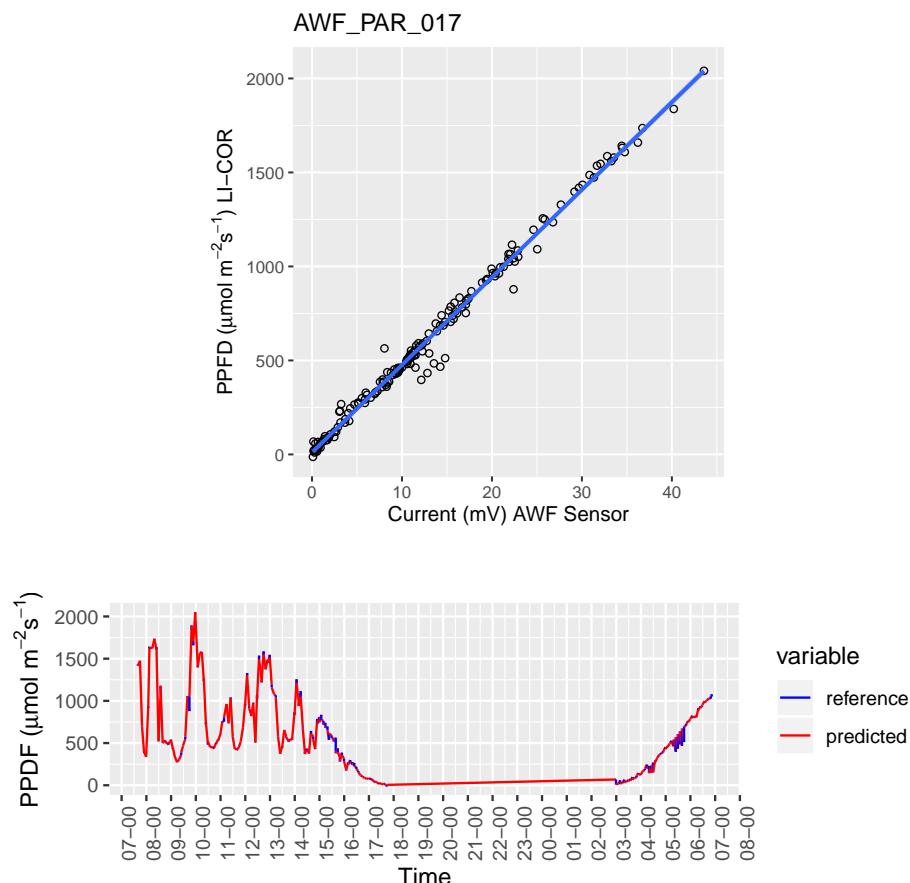
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_017 | 47.0915  | 0.2189     | 215.11  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 46.76 PPFD

Adjusted R-squared: 0.996



# SENSOR:018

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.825**

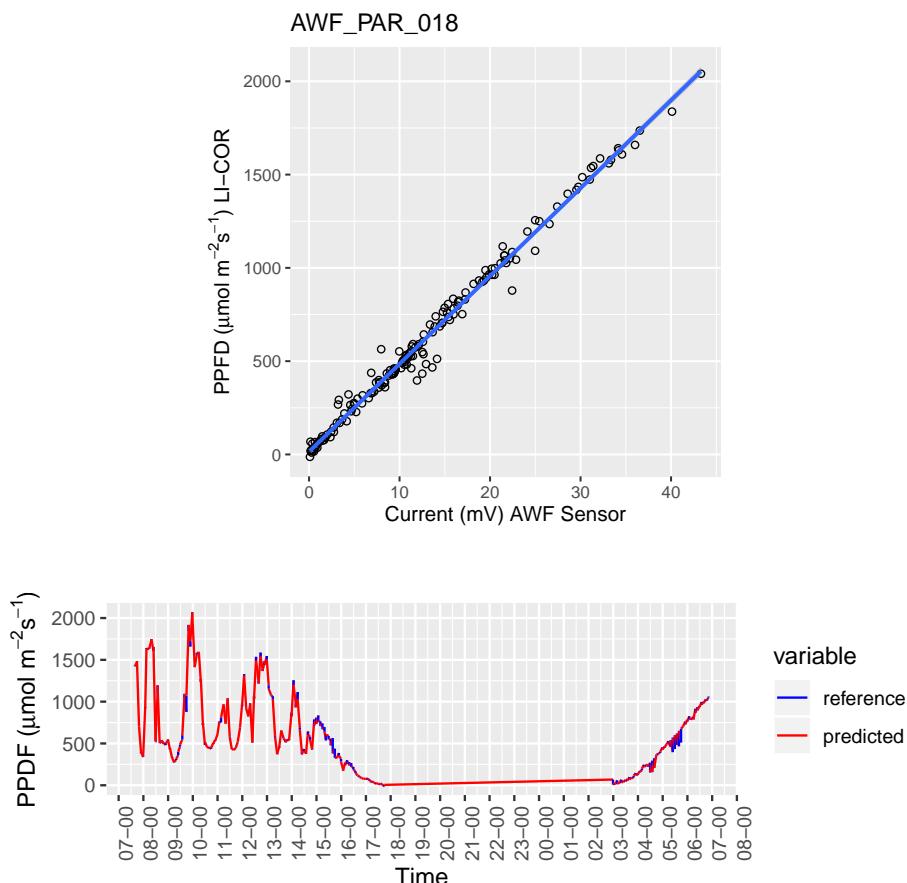
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_018 | 47.8245  | 0.2373     | 201.57  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 49.88 PPFD

Adjusted R-squared: 0.996



# SENSOR:019

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 50.839**

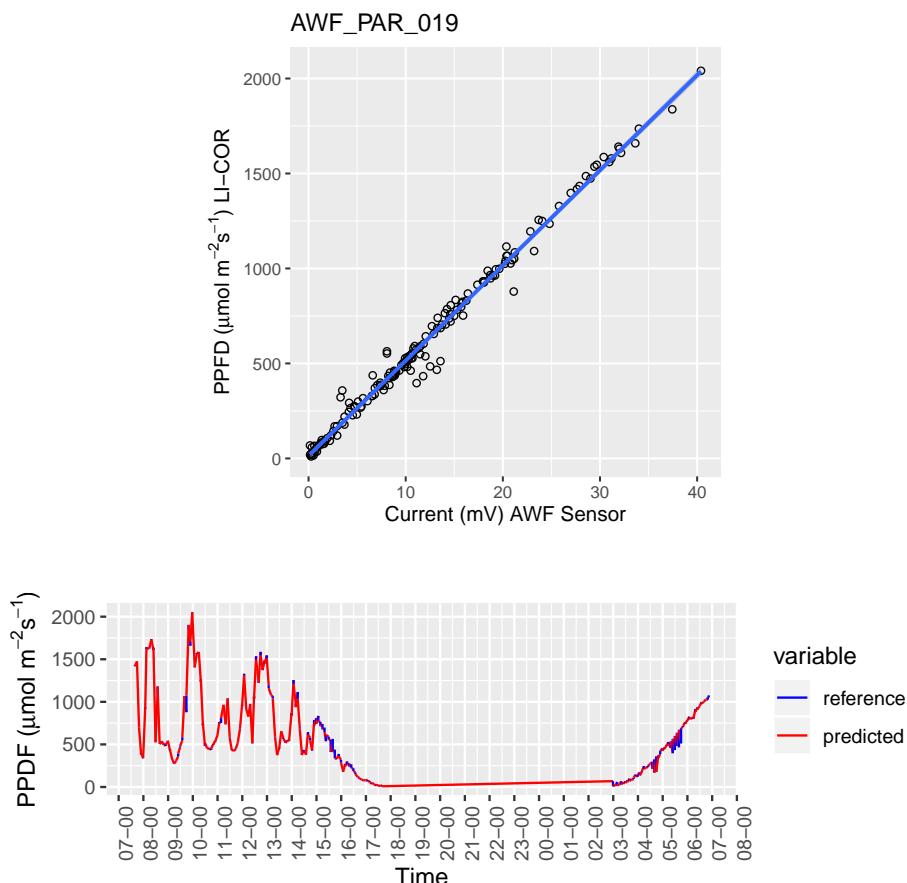
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_019 | 50.8386  | 0.2547     | 199.57  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 50.38 PPFD

Adjusted R-squared: 0.996



# SENSOR:020

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.036**

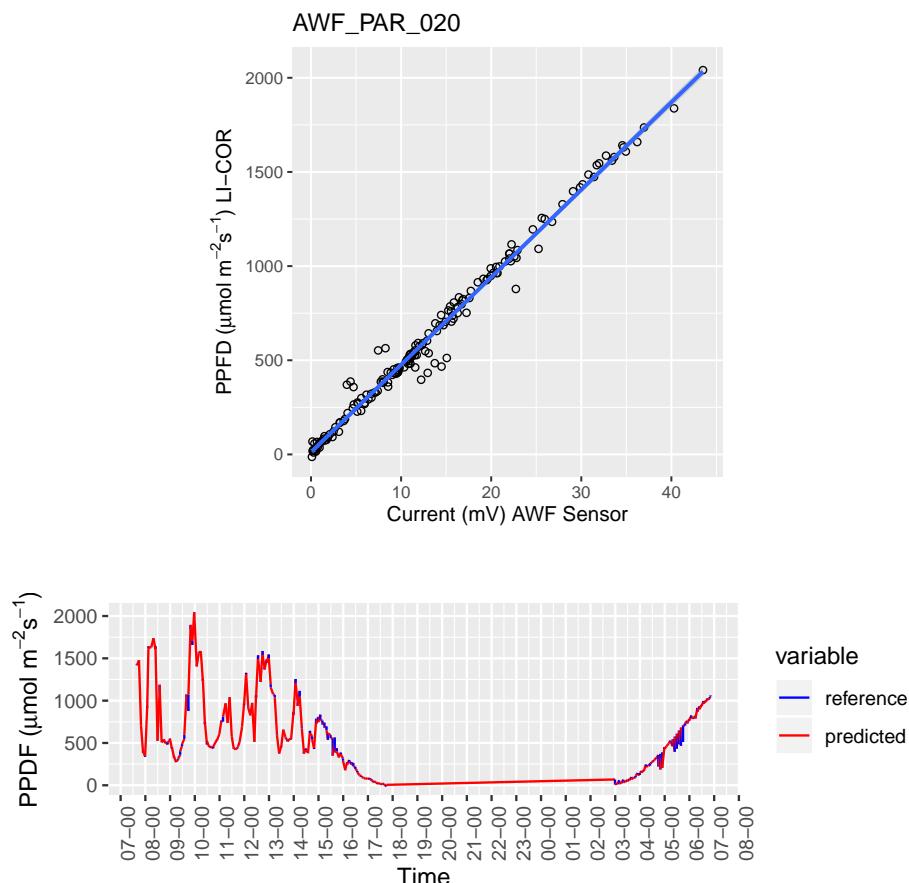
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_020 | 47.0360  | 0.2519     | 186.73  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 53.83 PPFD

Adjusted R-squared: 0.995



# SENSOR:021

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.553**

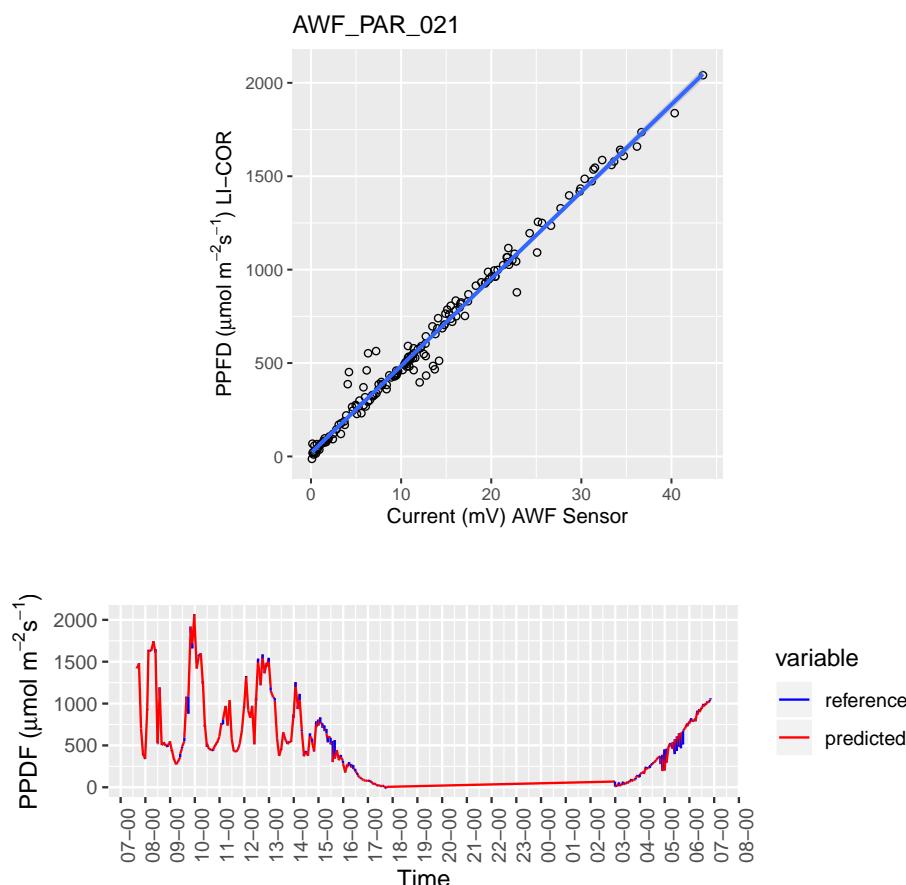
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_021 | 47.5526  | 0.2796     | 170.07  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 59.08 PPFD

Adjusted R-squared: 0.994



## SENSOR:022

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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### CALIBRATION RESULTS:

**Calibration Factor: 48.733**

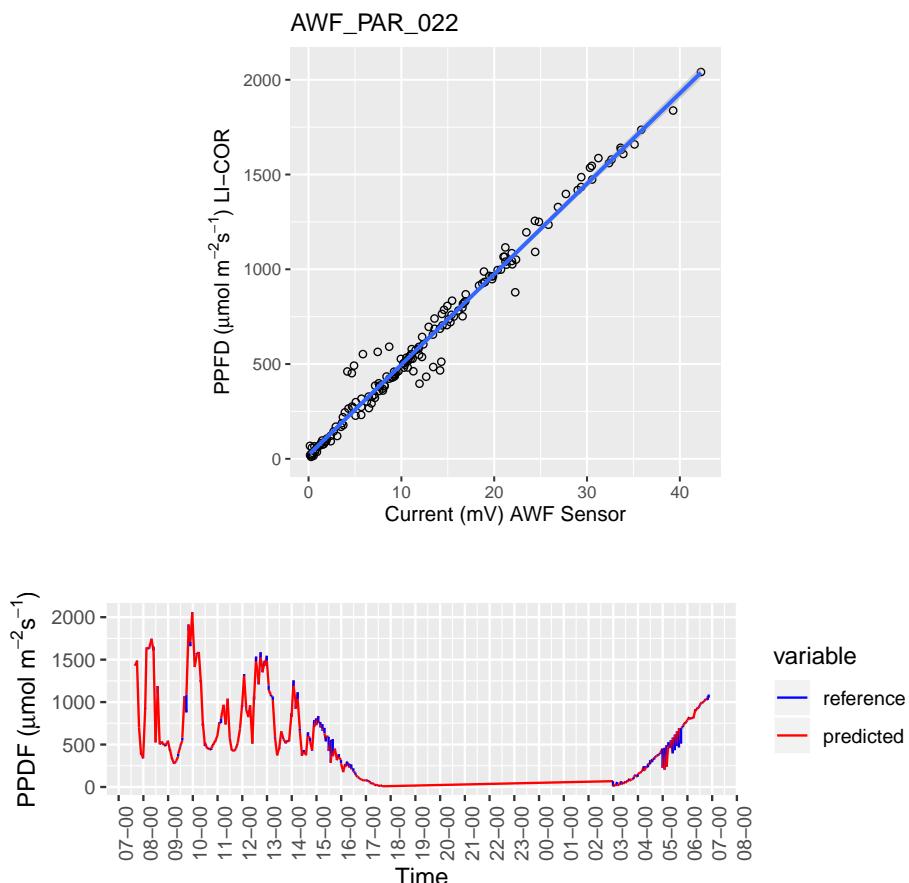
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_022 | 48.7329  | 0.3163     | 154.05  | 0.0000   |

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### QUALITY REPORT:

Residual standard error: 65.18 PPFD

Adjusted R-squared: 0.993



# SENSOR:023

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 170  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 47.499**

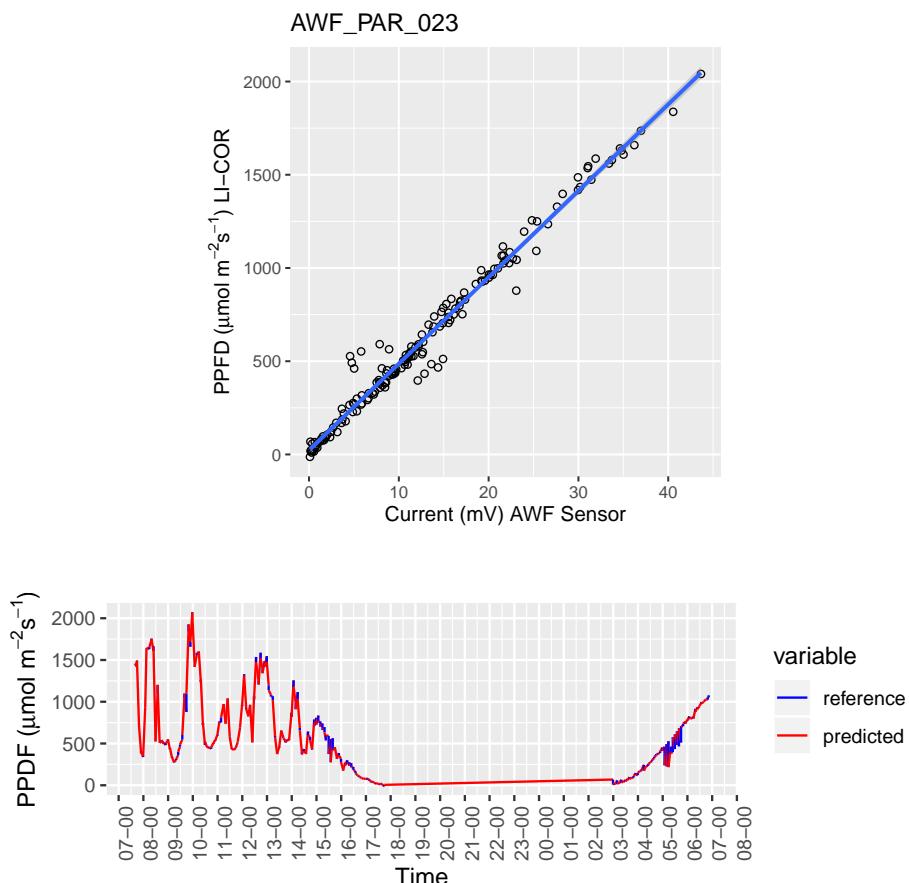
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_023 | 47.4995  | 0.3198     | 148.52  | 0.0000   |

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## QUALITY REPORT:

Residual standard error: 67.59 PPFD

Adjusted R-squared: 0.992



# SENSOR:024

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 27 09:39:30 2017  
End: Apr 28 08:51:30 2017  
Duration: 23 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 169  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 48.782**

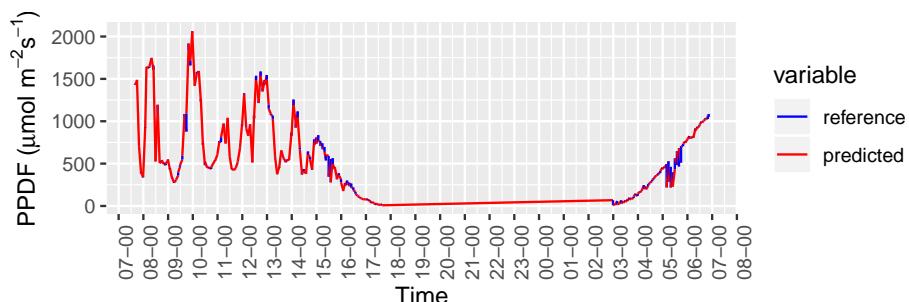
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_024 | 48.7818  | 0.3079     | 158.42  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 63.39 PPFD

Adjusted R-squared: 0.993



# SENSOR:025

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.218**

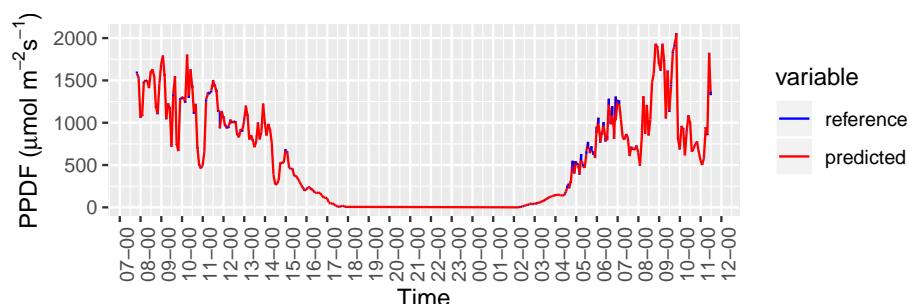
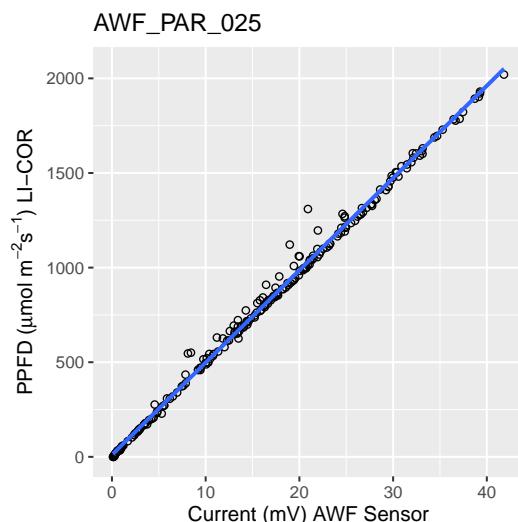
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_025 | 49.2180  | 0.1214     | 405.52  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 35.31 PPFD

Adjusted R-squared: 0.999



# SENSOR:026

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.15**

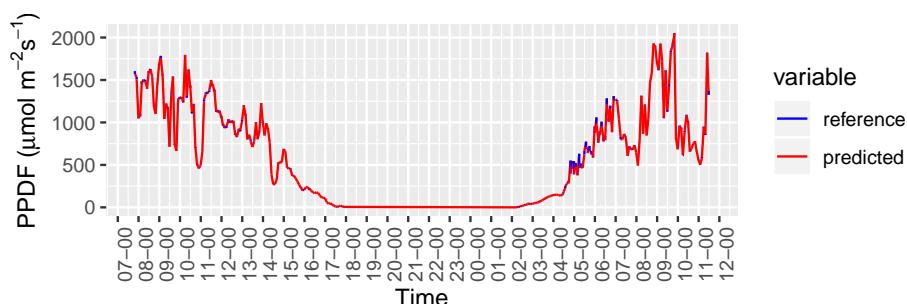
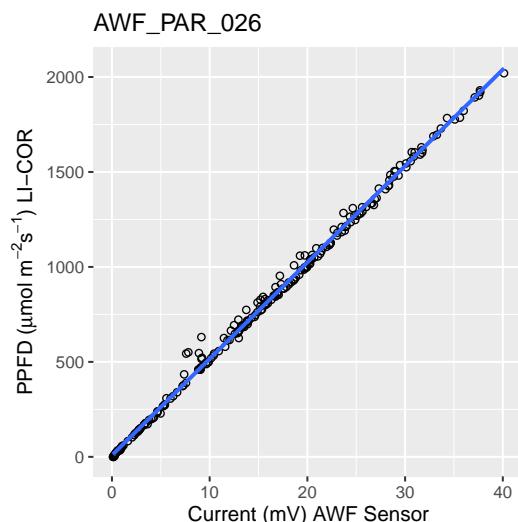
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_026 | 51.1505  | 0.0995     | 514.28  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 27.85 PPFD

Adjusted R-squared: 0.999



# SENSOR:027

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.769**

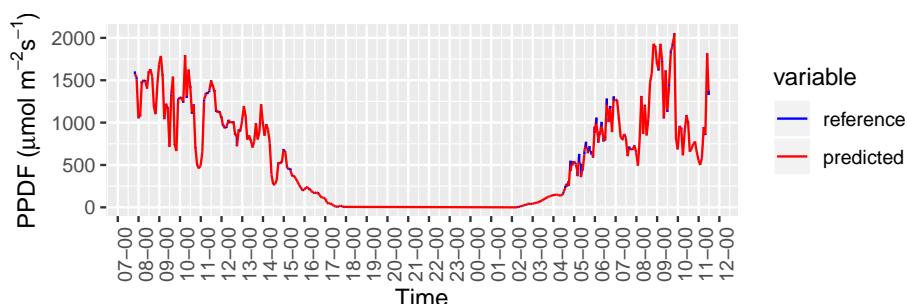
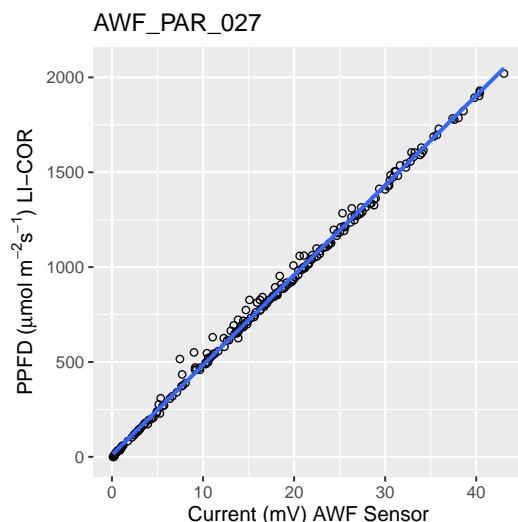
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_027 | 47.7690  | 0.0877     | 544.54  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 26.31 PPFD

Adjusted R-squared: 0.999



# SENSOR:028

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.323**

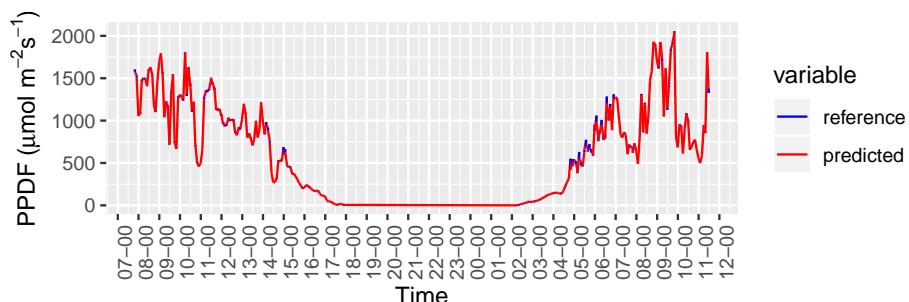
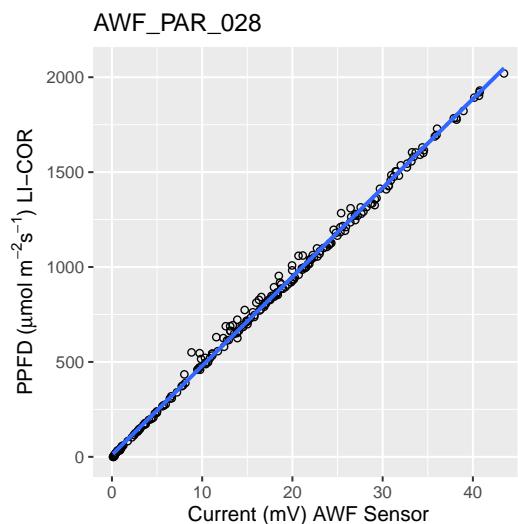
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_028 | 47.3234  | 0.0855     | 553.46  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 25.88 PPFD

Adjusted R-squared: 0.999



# SENSOR:029

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.396**

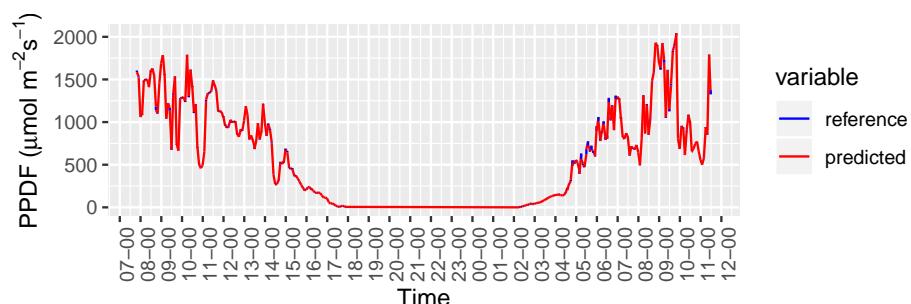
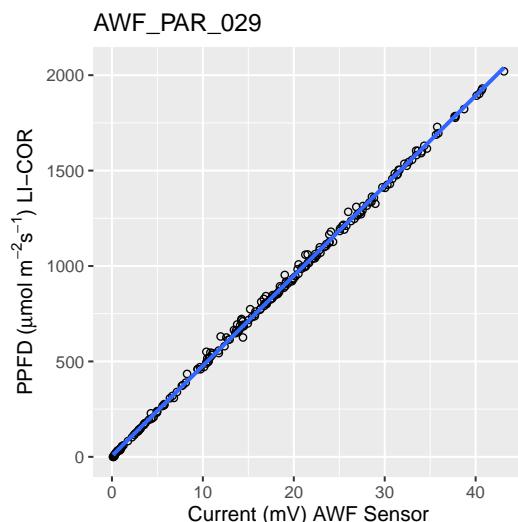
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_029 | 47.3958  | 0.0557     | 851.65  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 16.82 PPFD

Adjusted R-squared: 1



# SENSOR:030

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.3**

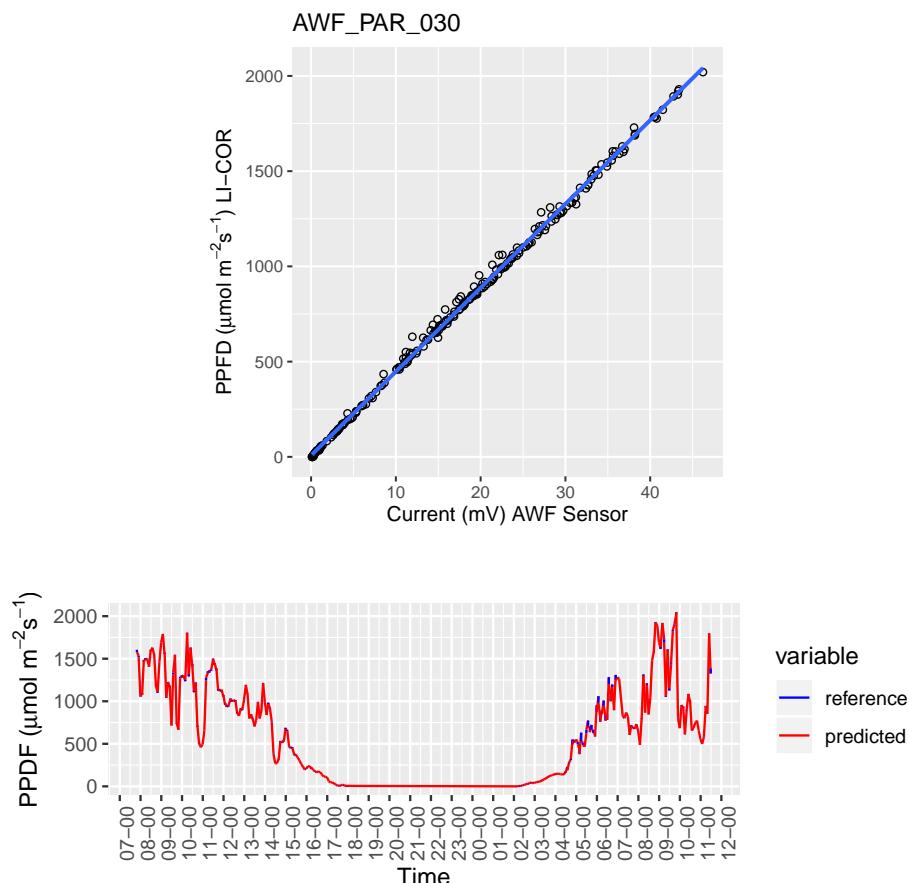
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_030 | 44.3001  | 0.0685     | 646.85  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 22.15 PPFD

Adjusted R-squared: 0.999



# SENSOR:031

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.233**

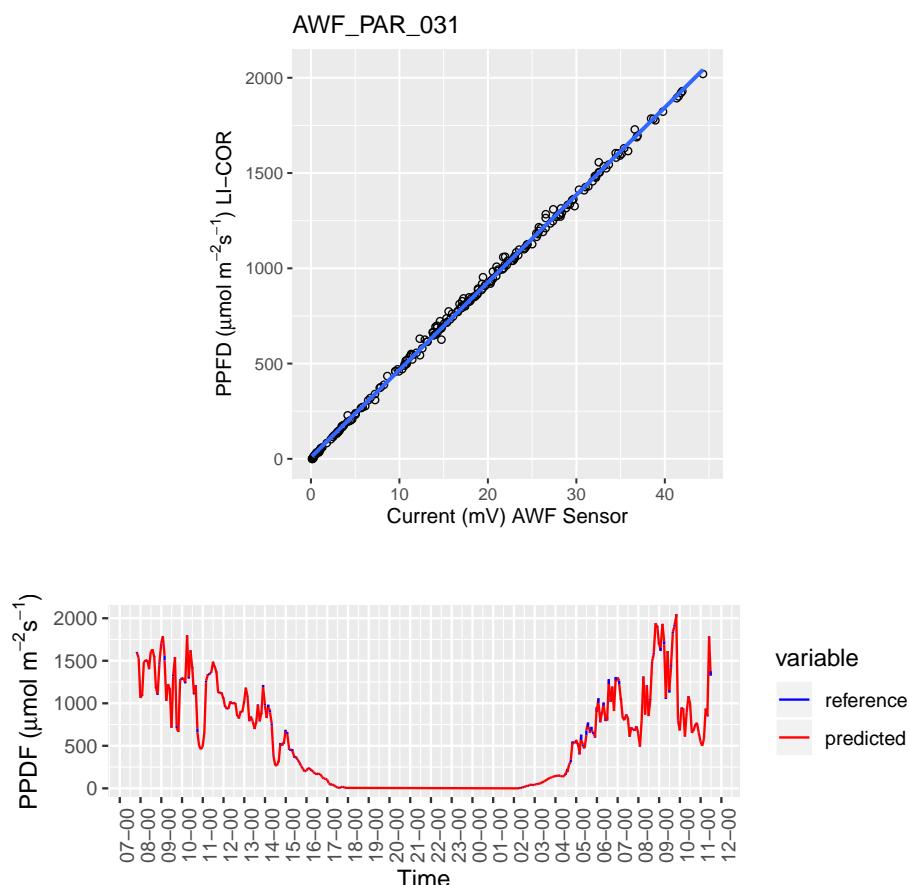
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_031 | 46.2332  | 0.0596     | 775.14  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 18.48 PPFD

Adjusted R-squared: 1



## SENSOR:032

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.536**

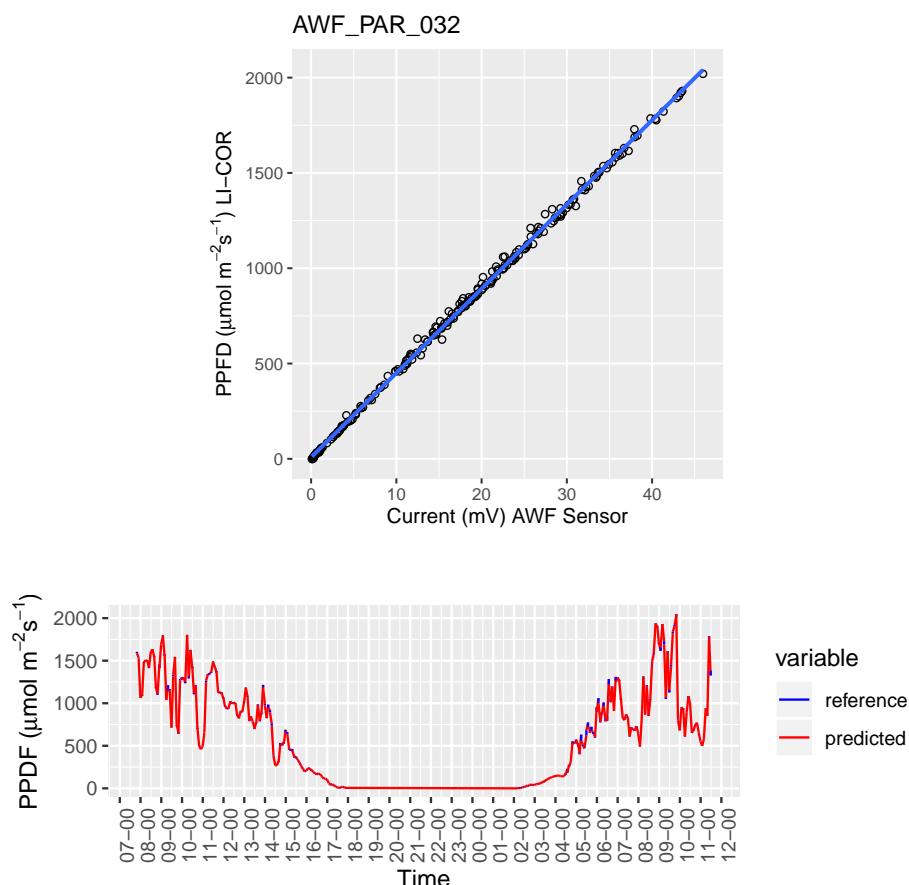
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_032 | 44.5363  | 0.0608     | 732.17  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 19.57 PPFD

Adjusted R-squared: 1



# SENSOR:033

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.149**

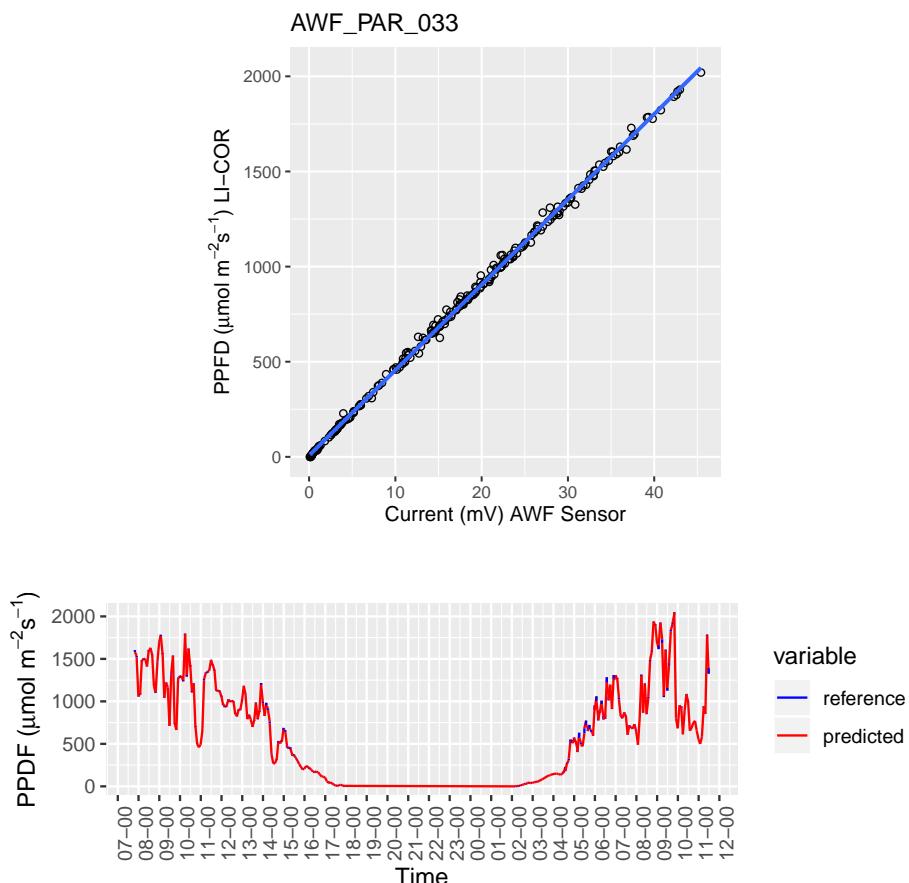
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_033 | 45.1494  | 0.0587     | 769.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 18.61 PPFD

Adjusted R-squared: 1



# SENSOR:034

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.476**

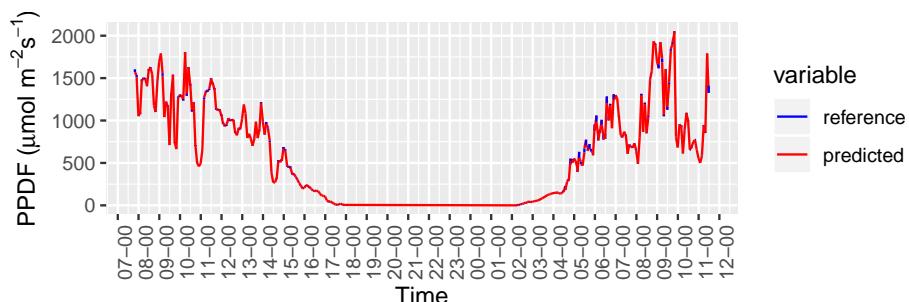
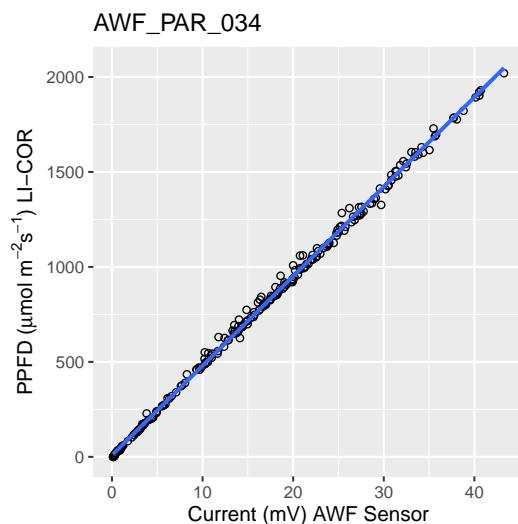
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_034 | 47.4764  | 0.0734     | 646.87  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 22.15 PPFD

Adjusted R-squared: 0.999



# SENSOR:035

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.395**

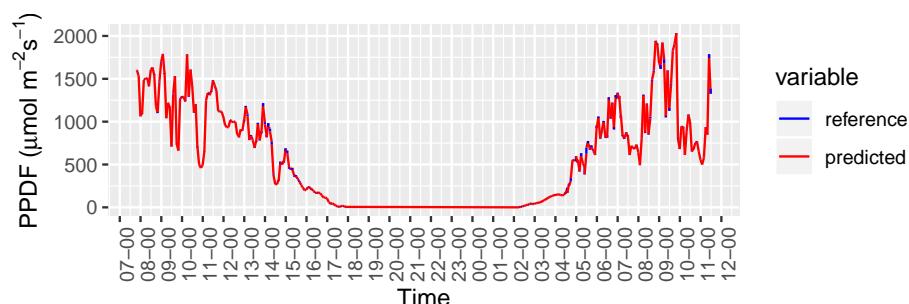
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_035 | 48.3946  | 0.0604     | 800.78  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 17.89 PPFD

Adjusted R-squared: 1



# SENSOR:036

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 42.713**

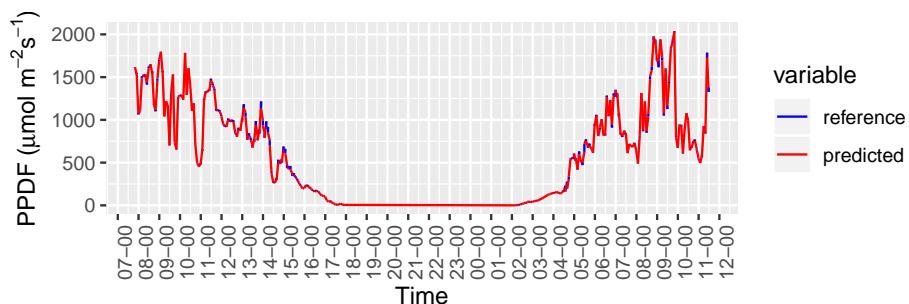
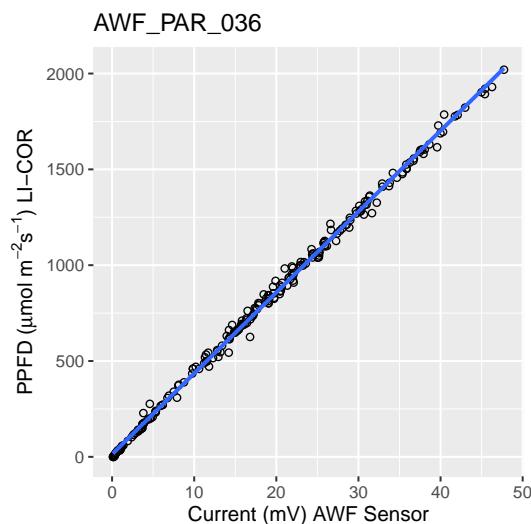
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_036 | 42.7129  | 0.0777     | 549.71  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 26.06 PPFD

Adjusted R-squared: 0.999



# SENSOR:037

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.606**

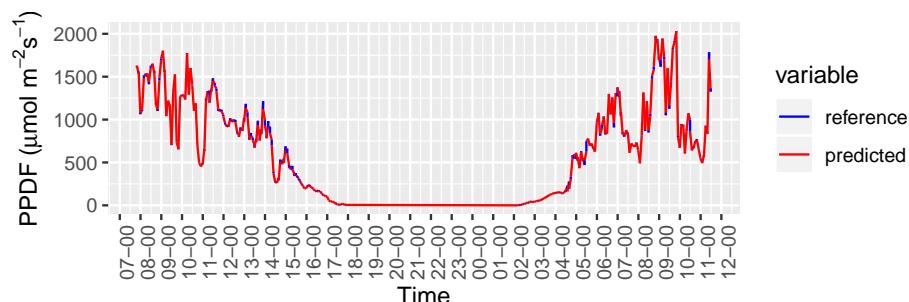
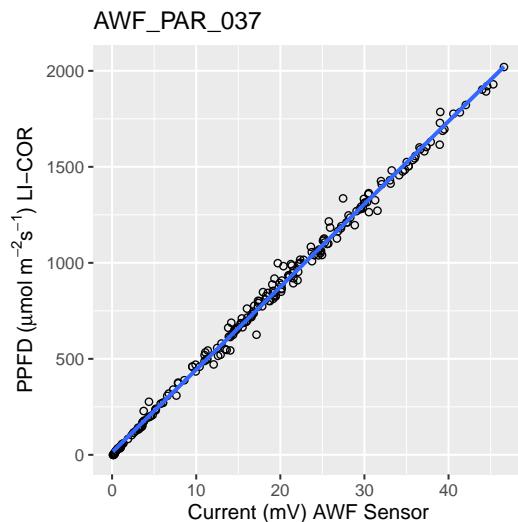
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_037 | 43.6061  | 0.1010     | 431.90  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 33.16 PPFD

Adjusted R-squared: 0.999



# SENSOR:038

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.162**

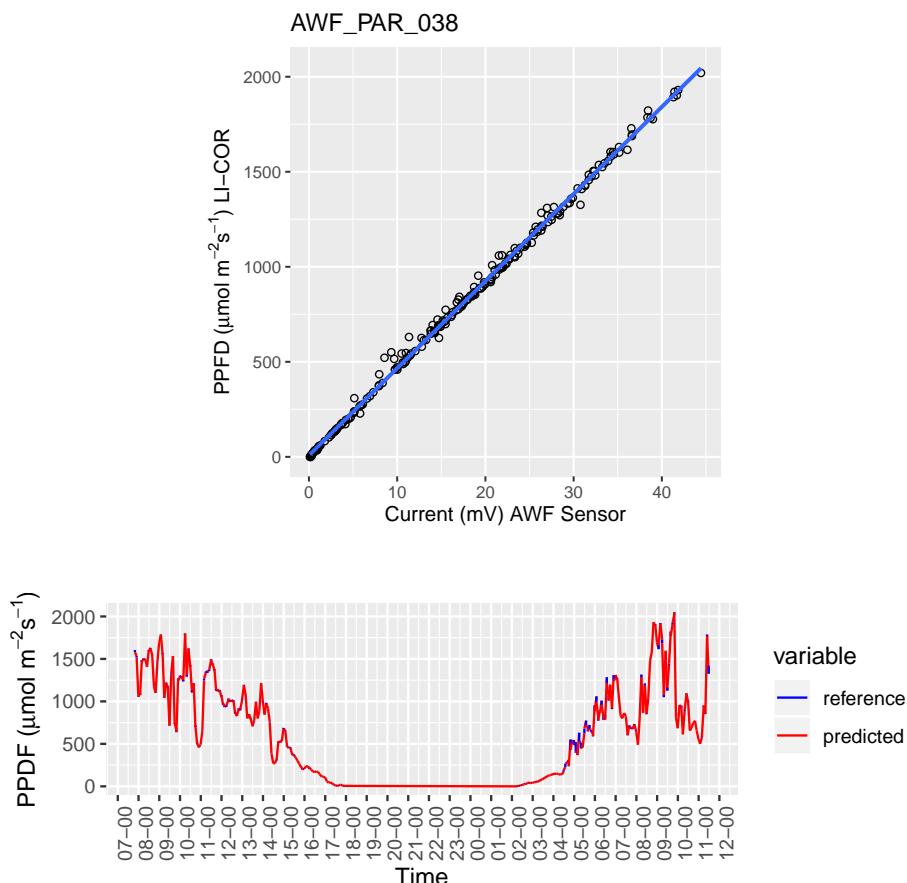
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_038 | 46.1617  | 0.0831     | 555.78  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 25.77 PPFD

Adjusted R-squared: 0.999



# SENSOR:039

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.683**

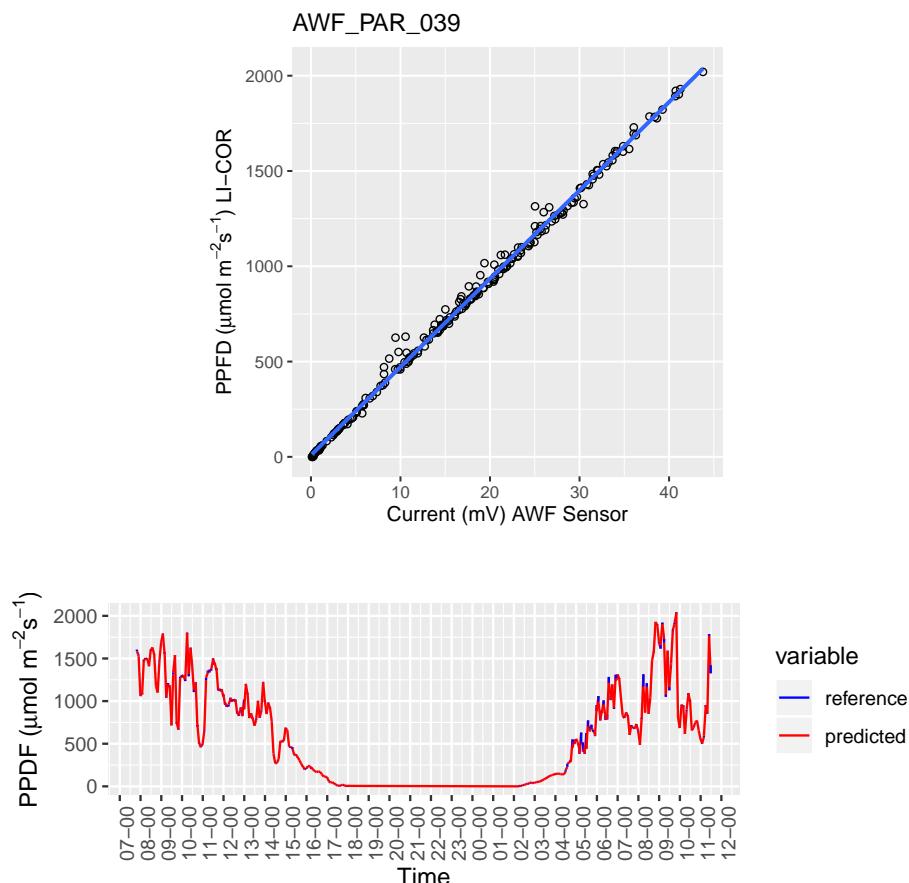
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_039 | 46.6832  | 0.1016     | 459.39  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 31.18 PPFD

Adjusted R-squared: 0.999



# SENSOR:040

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.117**

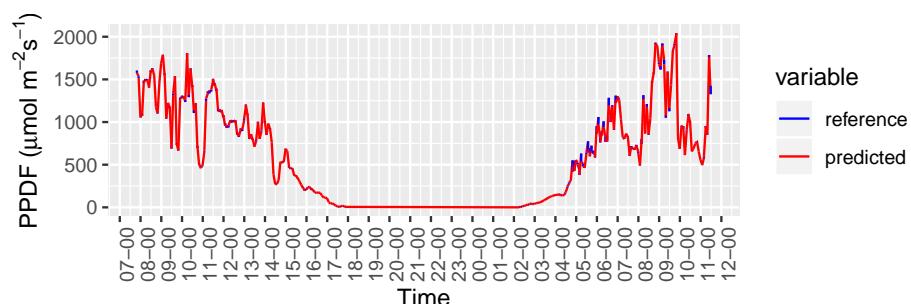
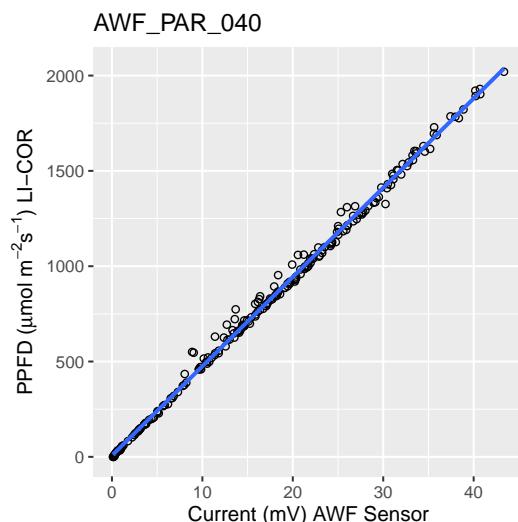
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_040 | 47.1168  | 0.0965     | 488.33  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 29.33 PPFD

Adjusted R-squared: 0.999



# SENSOR:041

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.177**

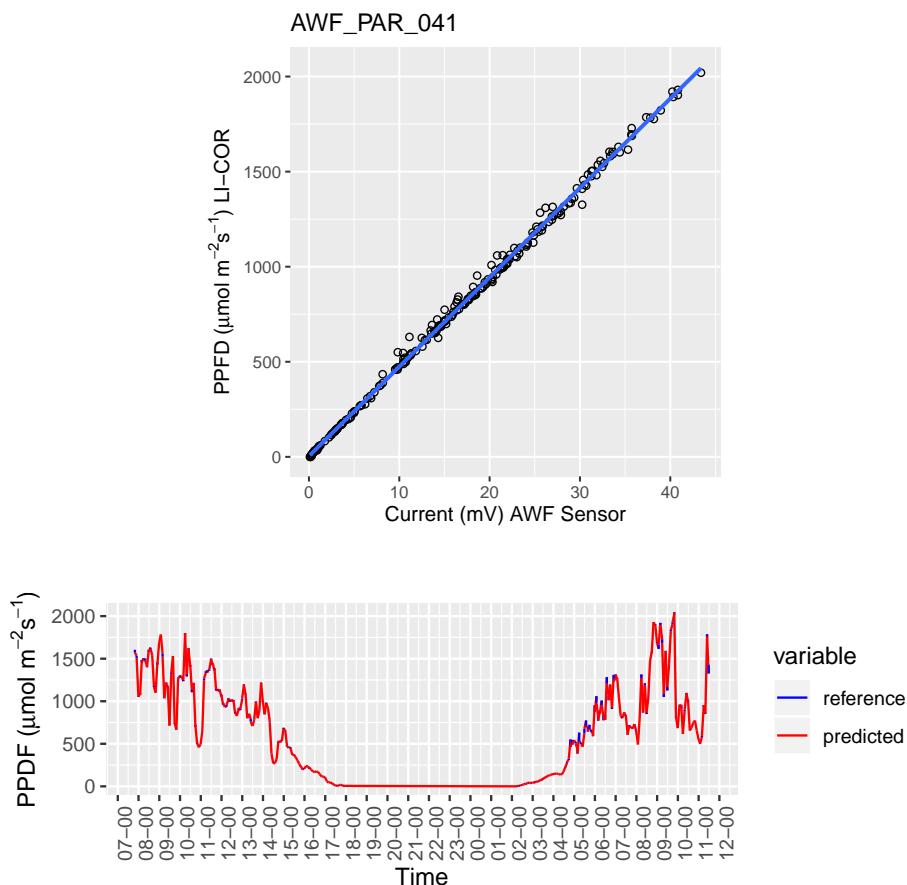
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_041 | 47.1773  | 0.0793     | 594.86  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 24.08 PPFD

Adjusted R-squared: 0.999



## SENSOR:042

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 46.893**

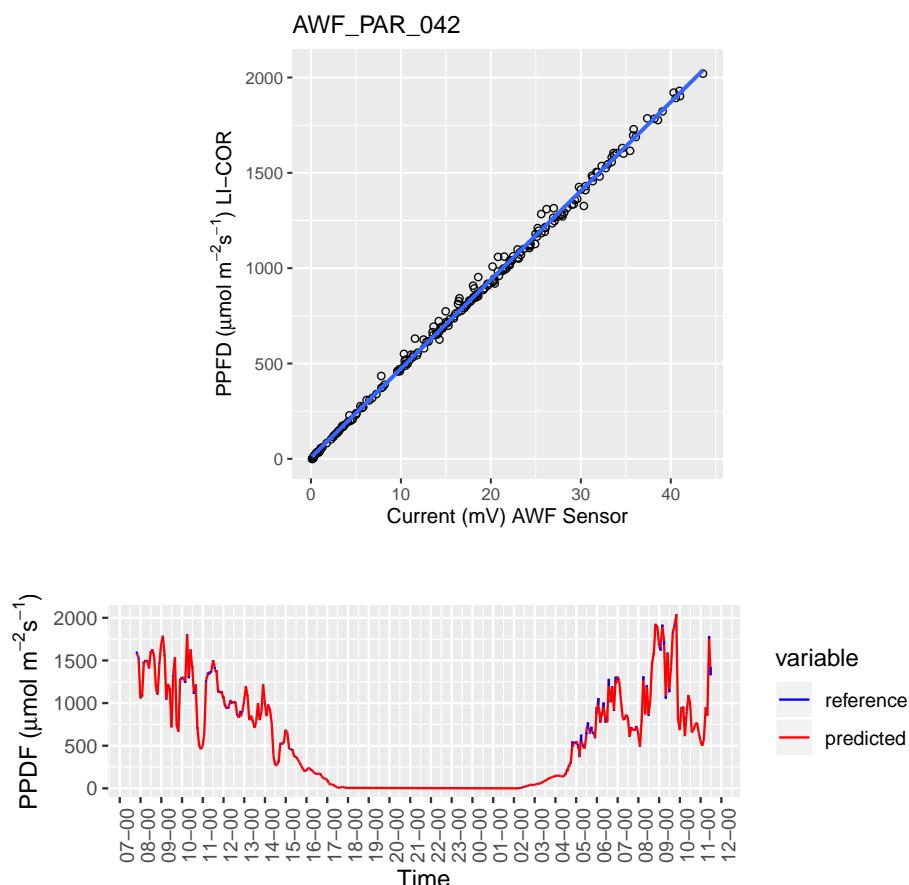
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_042 | 46.8927  | 0.0807     | 581.42  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 24.64 PPFD

Adjusted R-squared: 0.999



# SENSOR:043

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.245**

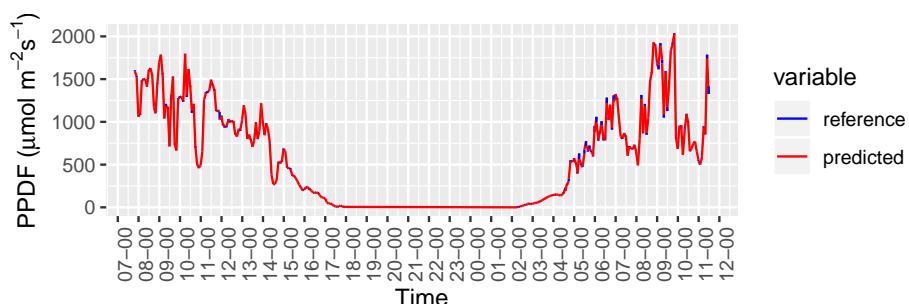
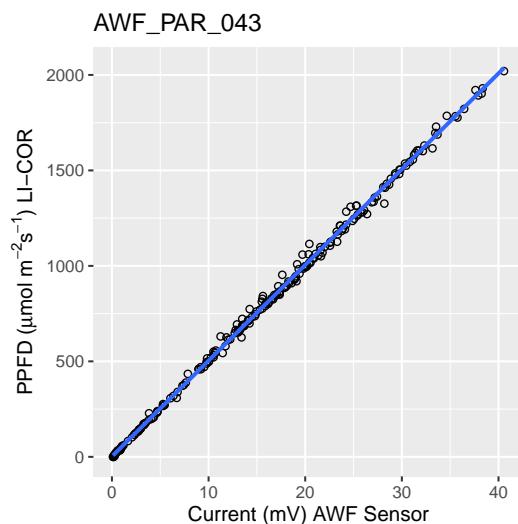
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_043 | 50.2450  | 0.0748     | 671.34  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 21.34 PPFD

Adjusted R-squared: 0.999



## SENSOR:044

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.338**

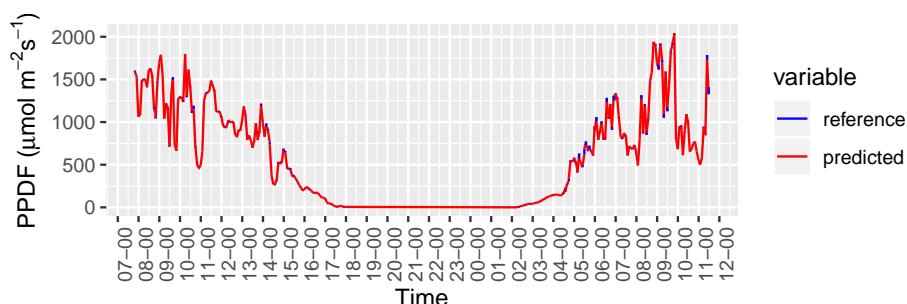
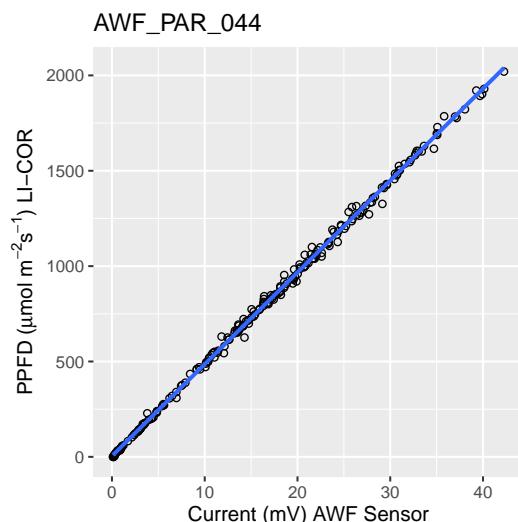
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_044 | 48.3381  | 0.0680     | 711.29  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 20.14 PPFD

Adjusted R-squared: 1



## SENSOR:045

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 51.669**

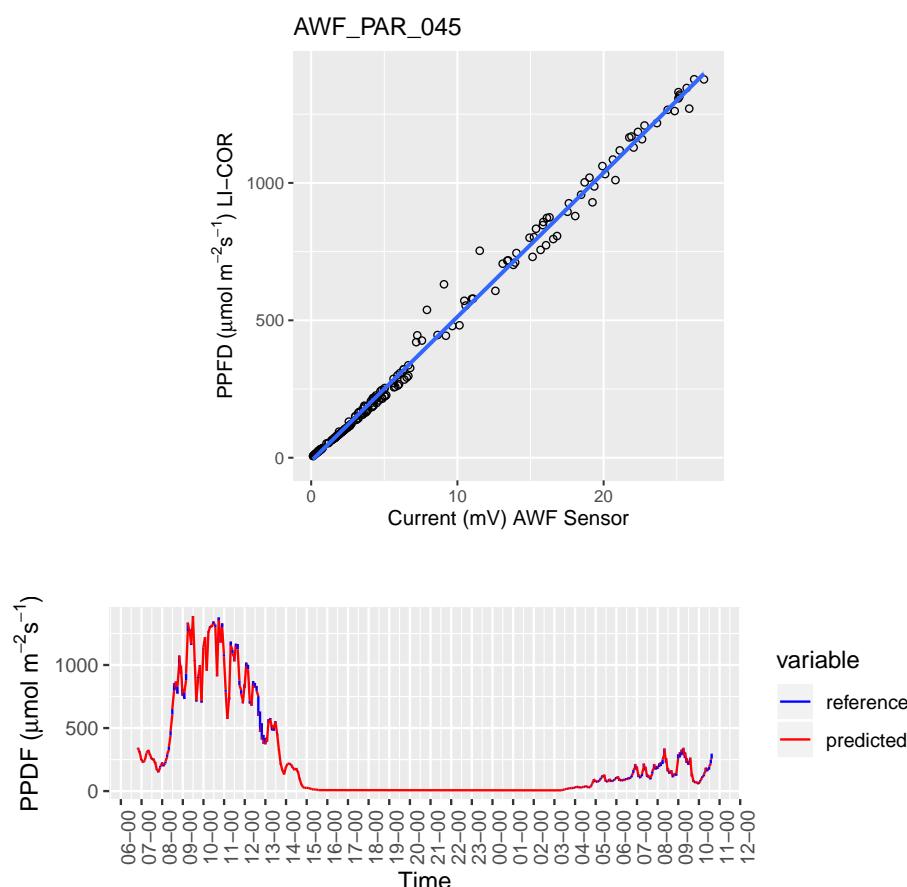
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_045 | 51.6690  | 0.2062     | 250.53  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 30.53 PPFD

Adjusted R-squared: 0.997



# SENSOR:045

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.669**

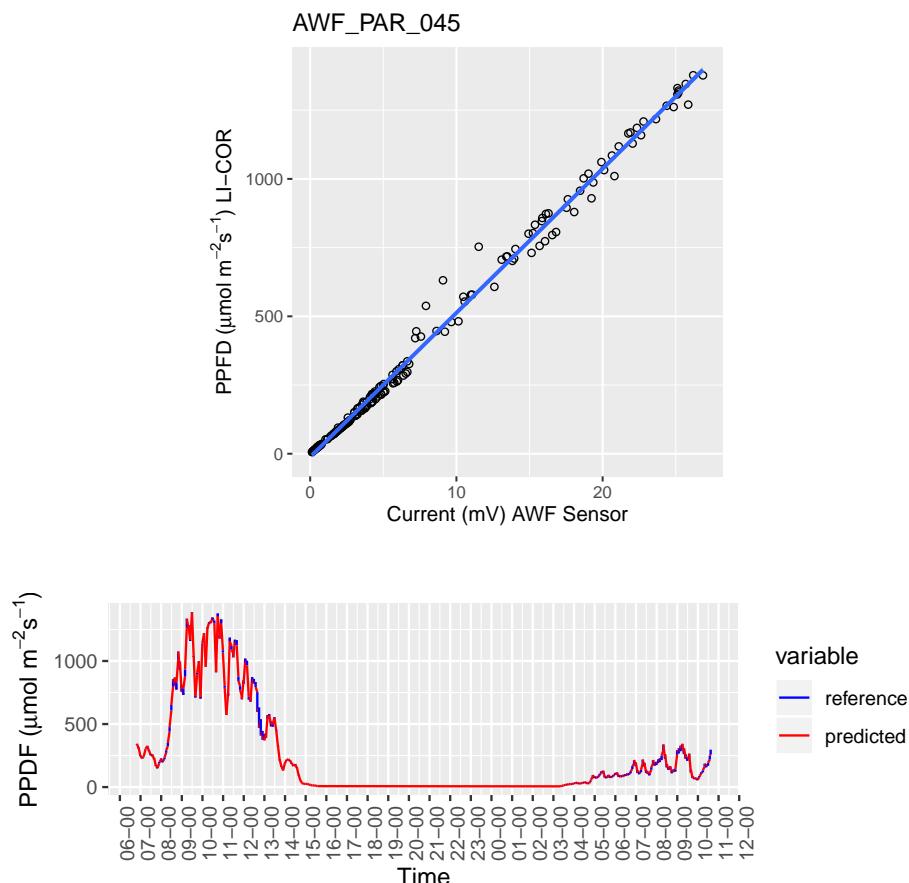
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_045 | 51.6690  | 0.2062     | 250.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 30.53 PPFD

Adjusted R-squared: 0.997



# SENSOR:046

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.432**

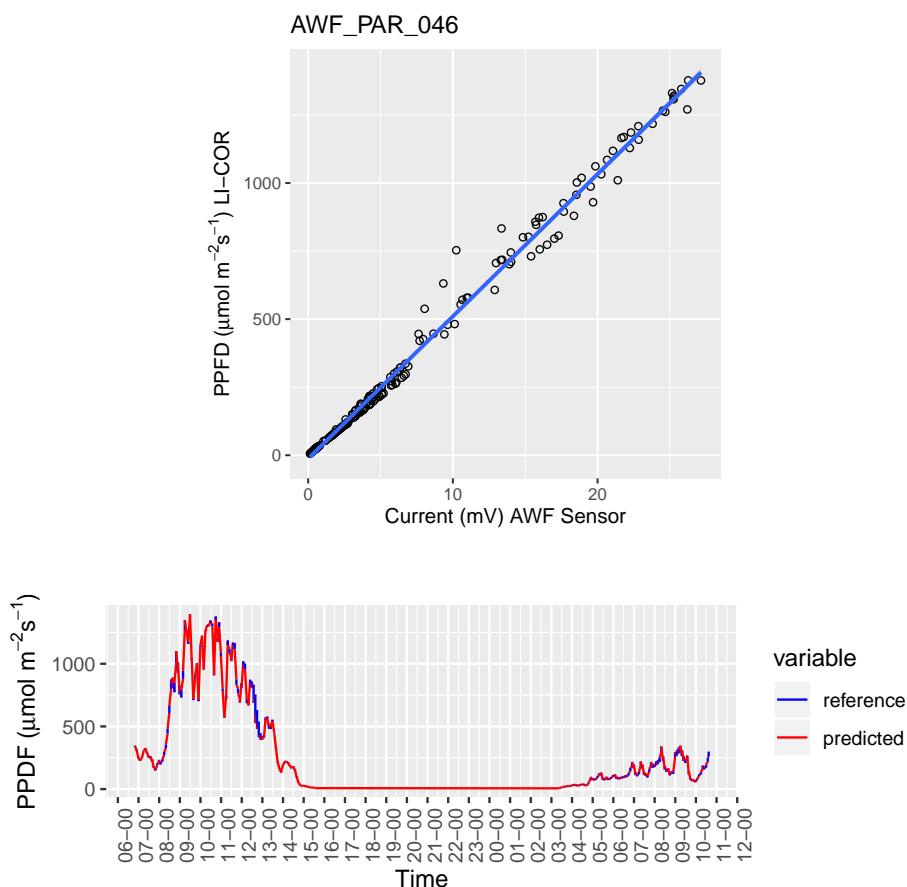
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_046 | 51.4321  | 0.2459     | 209.12  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 36.55 PPFD

Adjusted R-squared: 0.996



# SENSOR:046

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.432**

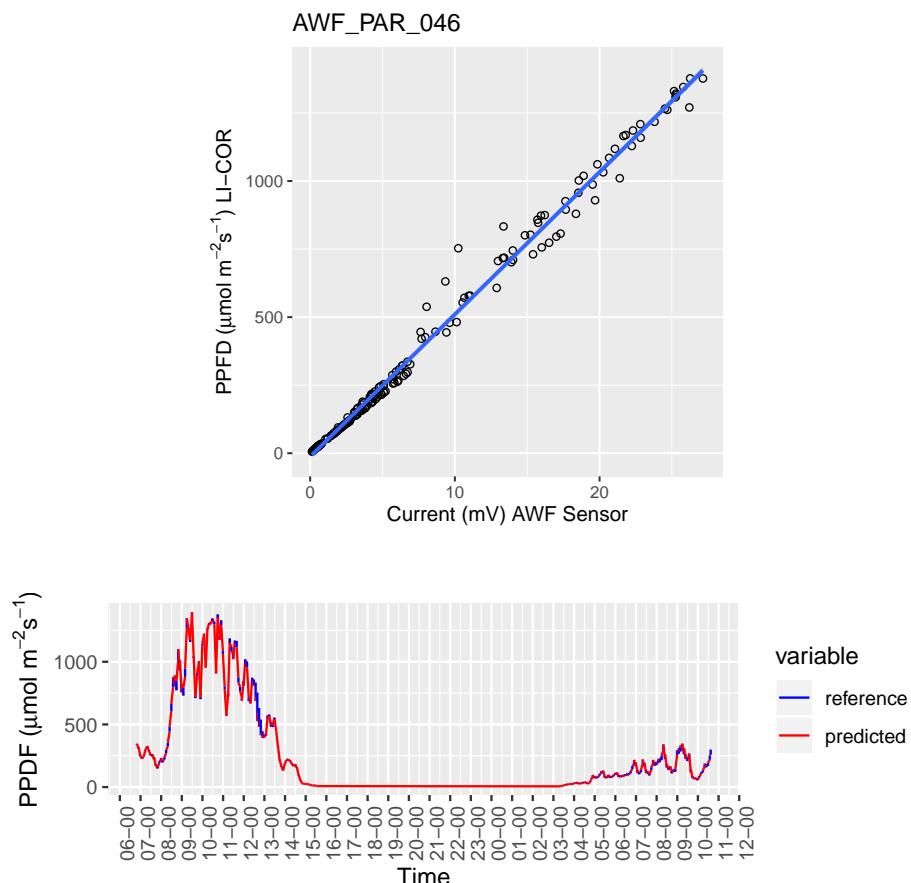
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_046 | 51.4321  | 0.2459     | 209.12  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 36.55 PPFD

Adjusted R-squared: 0.996



# SENSOR:047

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.723**

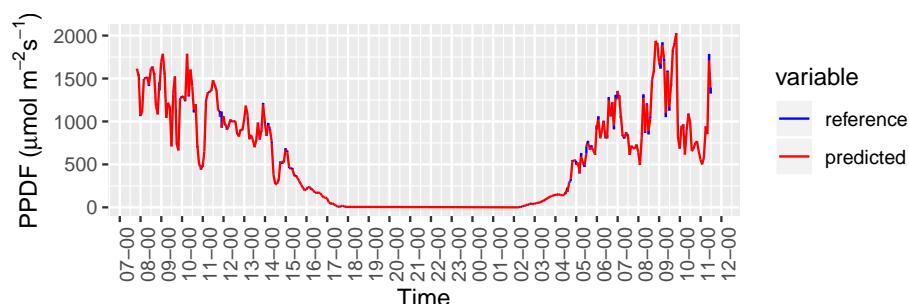
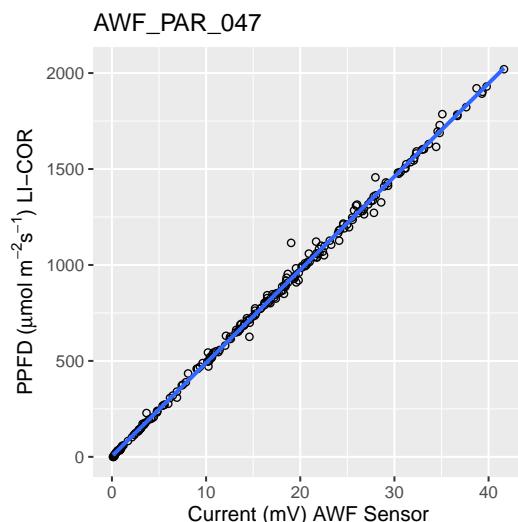
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_047 | 48.7226  | 0.0822     | 592.40  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 24.18 PPFD

Adjusted R-squared: 0.999



# SENSOR:048

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.201**

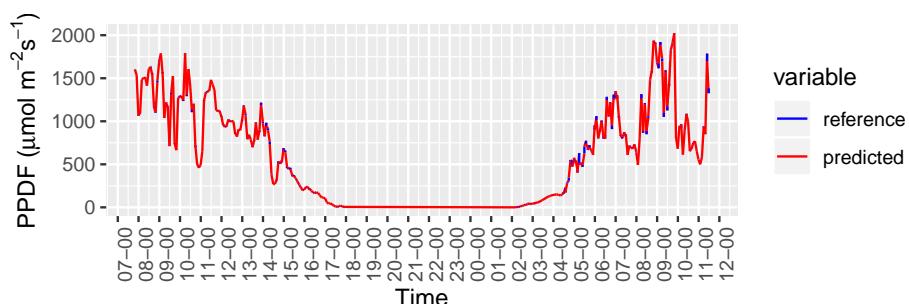
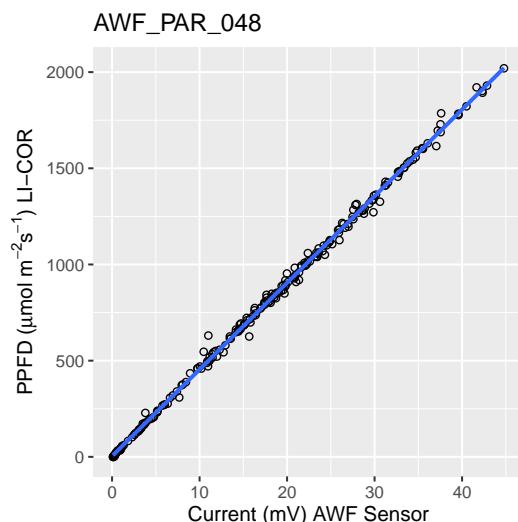
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_048 | 45.2011  | 0.0691     | 653.88  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 21.91 PPFD

Adjusted R-squared: 0.999



# SENSOR:049

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.066**

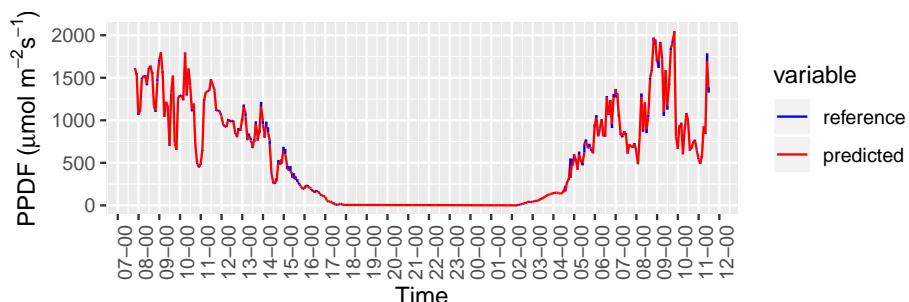
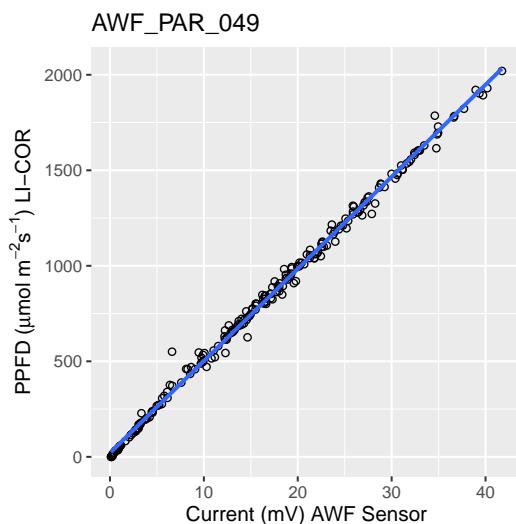
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_049 | 49.0655  | 0.1095     | 448.16  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 31.96 PPFD

Adjusted R-squared: 0.999



# SENSOR:050

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.387**

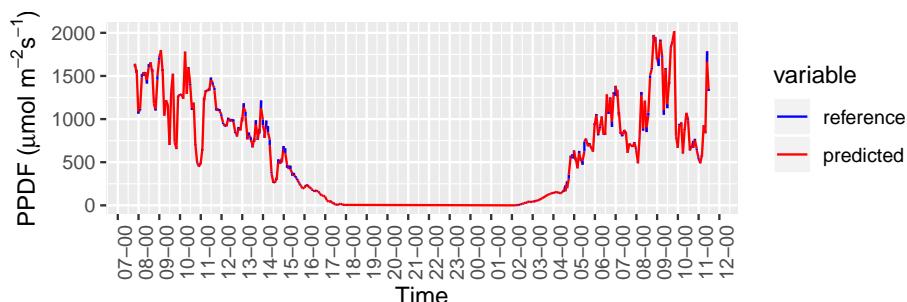
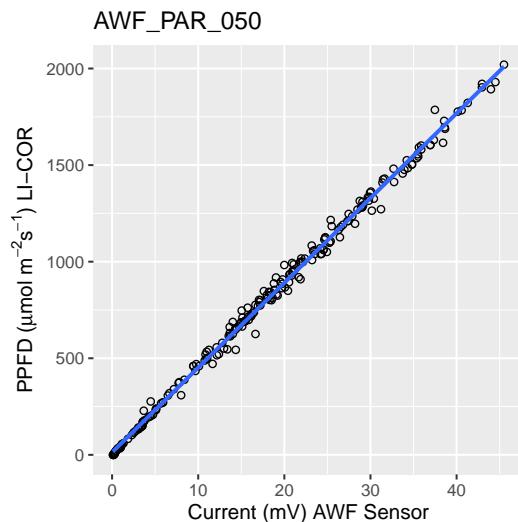
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_050 | 44.3873  | 0.1006     | 441.17  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 32.46 PPFD

Adjusted R-squared: 0.999



# SENSOR:051

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 230  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.471**

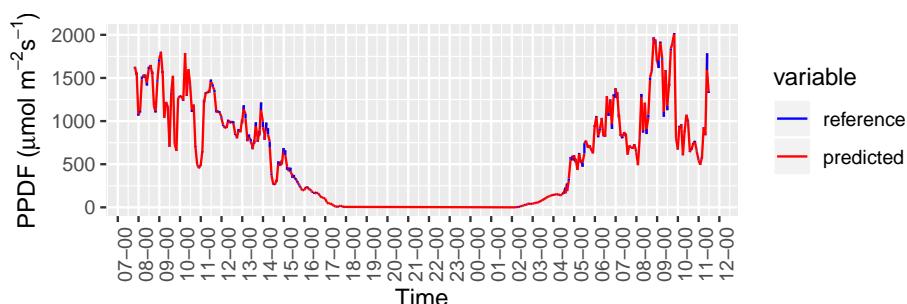
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_051 | 43.4705  | 0.0999     | 435.13  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 32.91 PPFD

Adjusted R-squared: 0.999



## SENSOR:052

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.014**

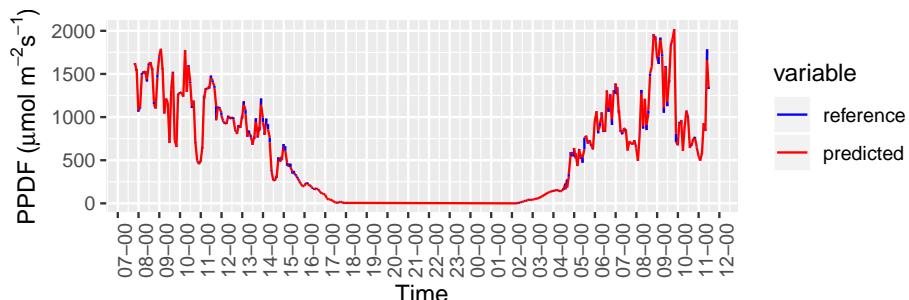
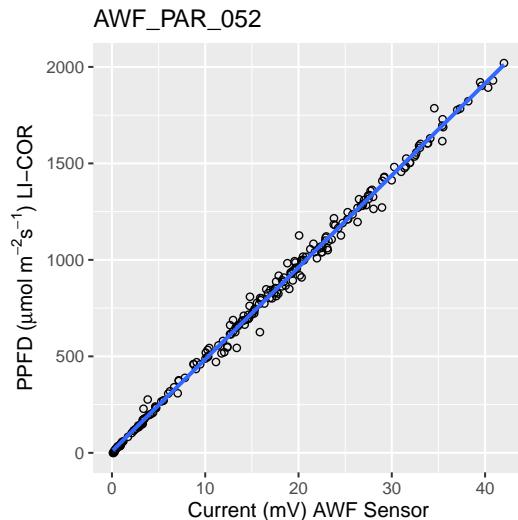
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_052 | 48.0145  | 0.1136     | 422.70  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 33.88 PPFD

Adjusted R-squared: 0.999



# SENSOR:053

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.977**

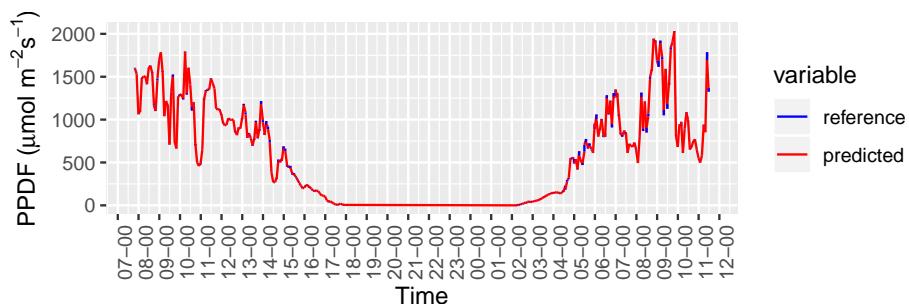
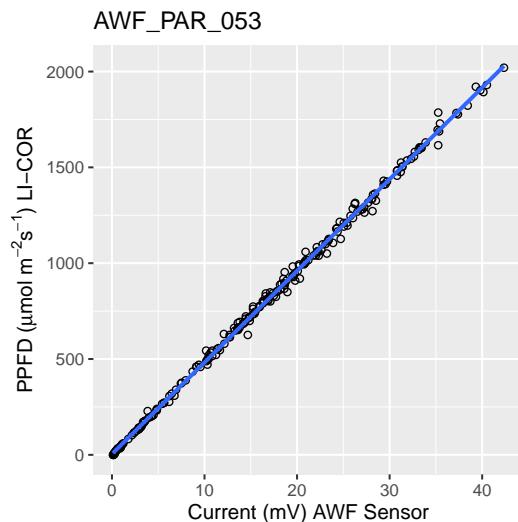
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_053 | 47.9775  | 0.0729     | 658.17  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 21.77 PPFD

Adjusted R-squared: 0.999



## SENSOR:054

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mai 23 09:49:30 2017  
End: Mai 24 13:29:00 2017  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 229  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 46.341**

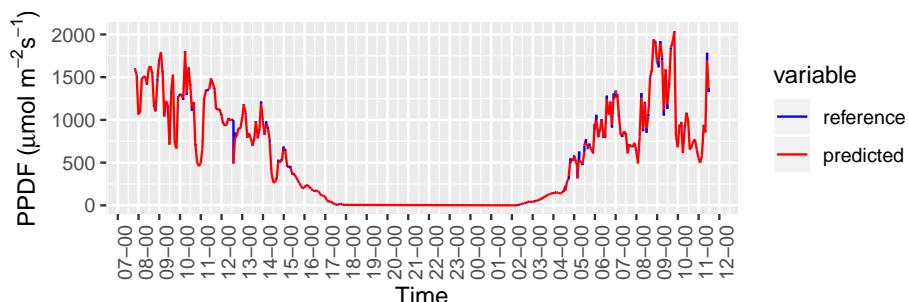
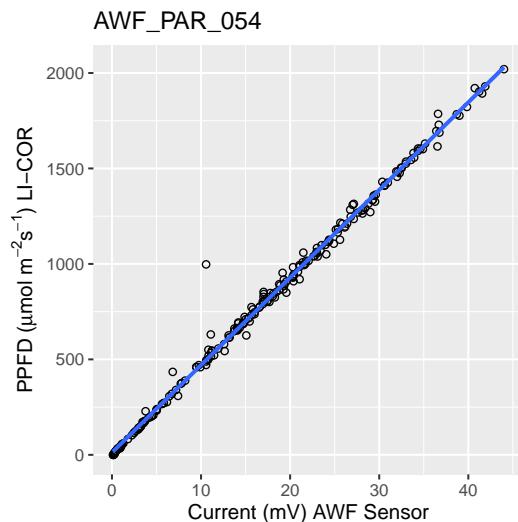
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_054 | 46.3405  | 0.1359     | 341.09  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 41.97 PPFD

Adjusted R-squared: 0.998



# SENSOR:055

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.358**

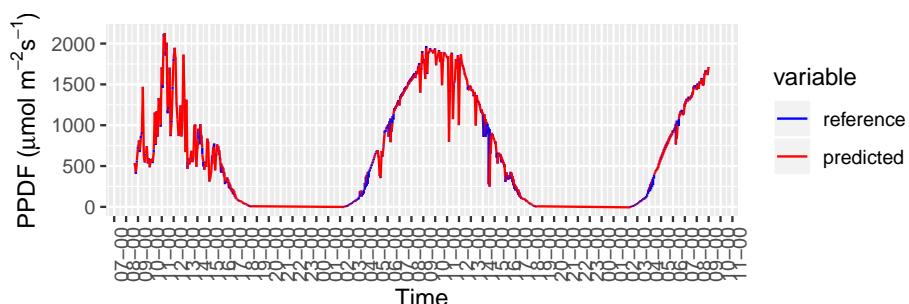
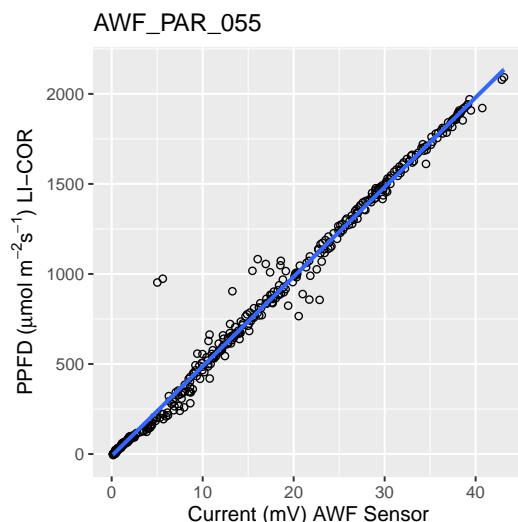
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_055 | 49.3583  | 0.1689     | 292.28  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 70.91 PPFD

Adjusted R-squared: 0.995



# SENSOR:056

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.227**

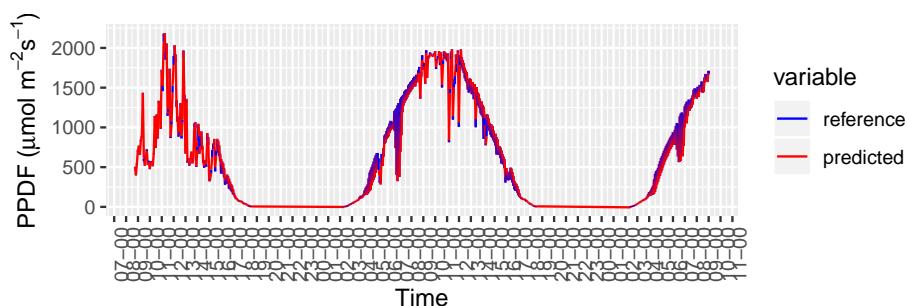
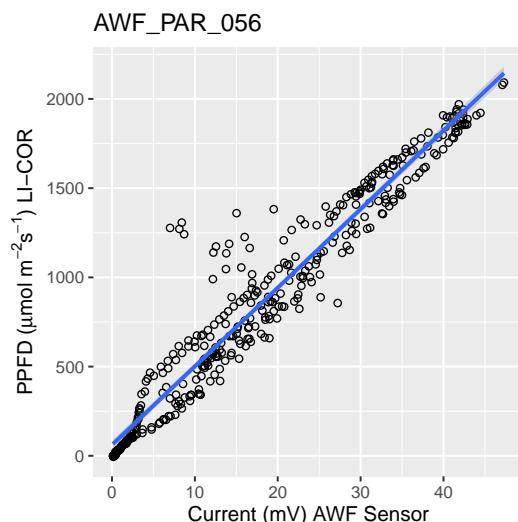
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_056 | 46.2269  | 0.3589     | 128.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 159.39 PPFD

Adjusted R-squared: 0.977



# SENSOR:057

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.132**

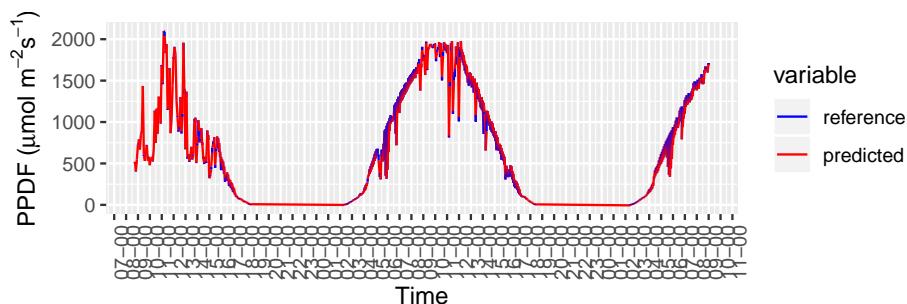
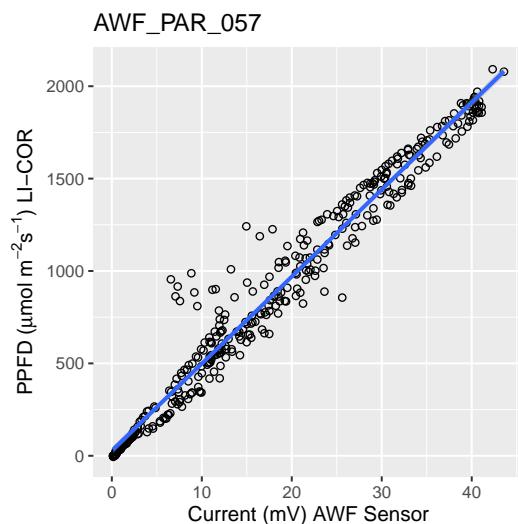
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_057 | 48.1316  | 0.2671     | 180.21  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 114.57 PPFD

Adjusted R-squared: 0.988



# SENSOR:058

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.921**

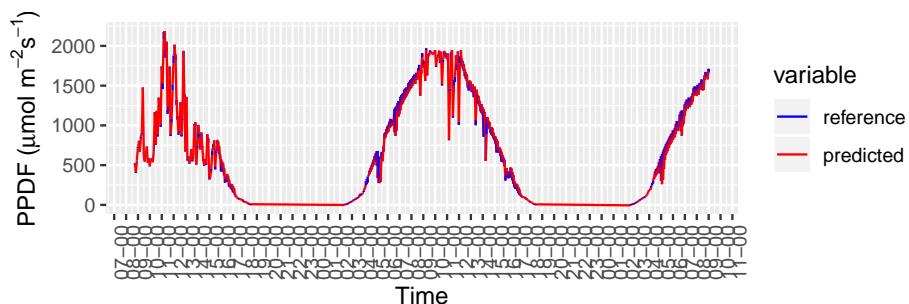
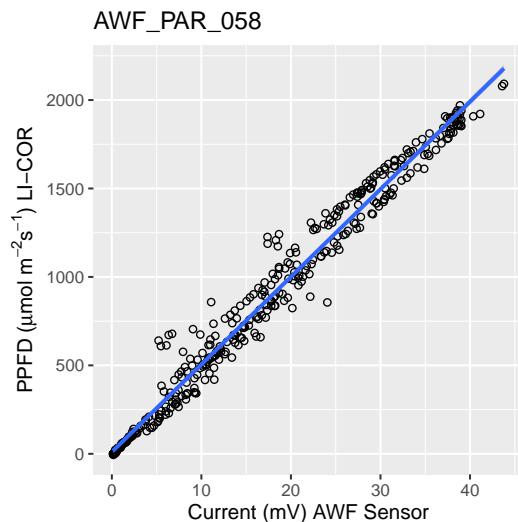
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_058 | 49.9207  | 0.2184     | 228.57  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 90.54 PPFD

Adjusted R-squared: 0.992



# SENSOR:059

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.079**

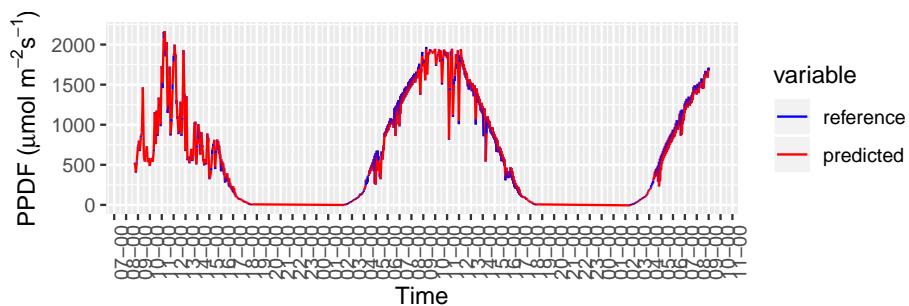
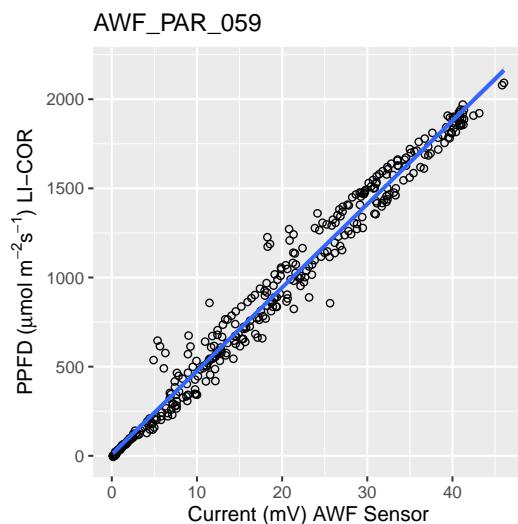
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_059 | 47.0789  | 0.2004     | 234.98  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 88.09 PPFD

Adjusted R-squared: 0.993



# SENSOR:060

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.956**

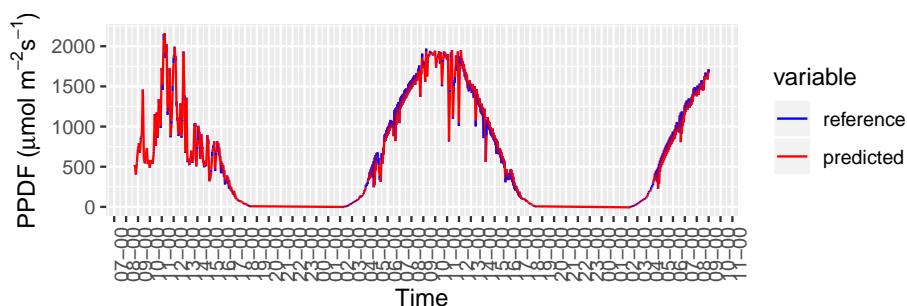
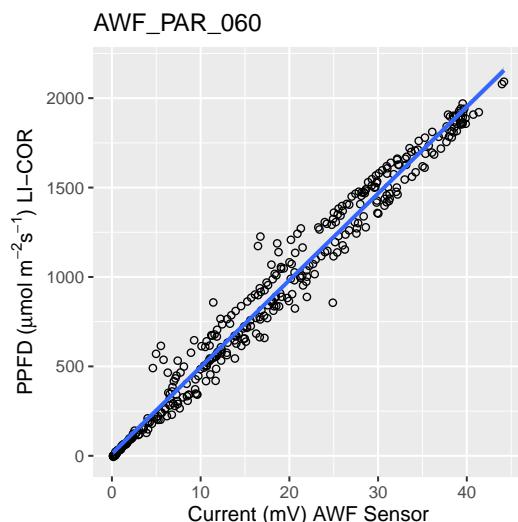
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_060 | 48.9557  | 0.2116     | 231.34  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 89.46 PPFD

Adjusted R-squared: 0.993



# SENSOR:061

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.274**

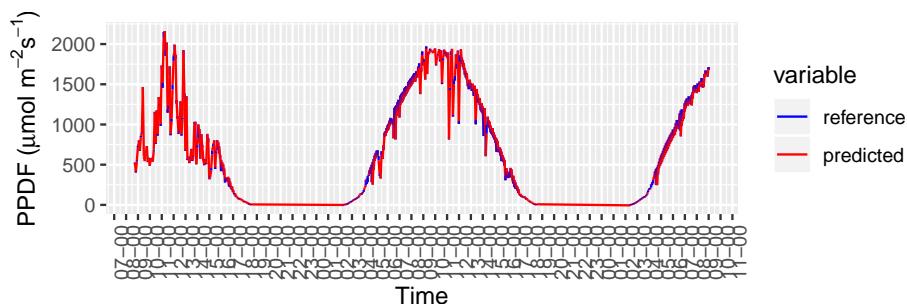
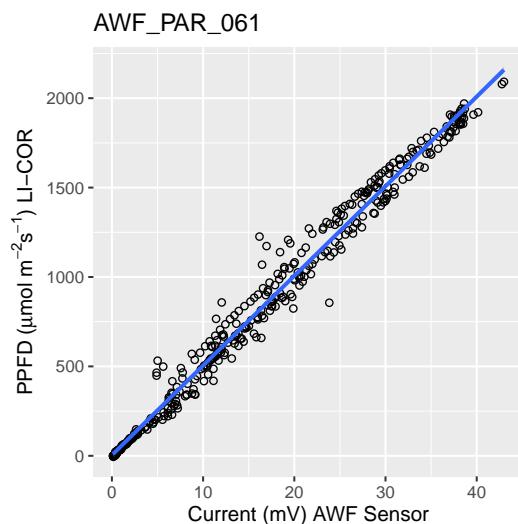
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_061 | 50.2740  | 0.1851     | 271.56  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 76.29 PPFD

Adjusted R-squared: 0.995



## SENSOR:062

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 46.36**

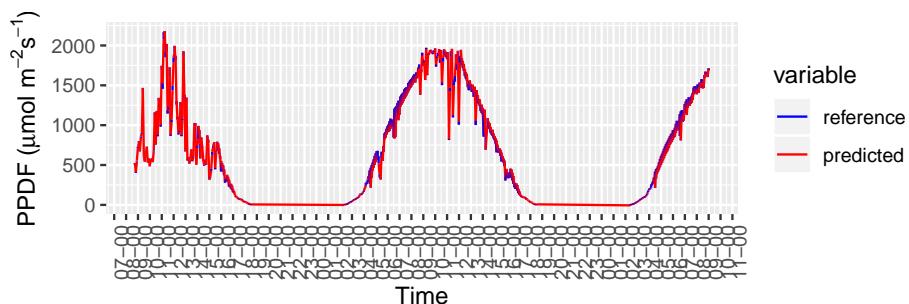
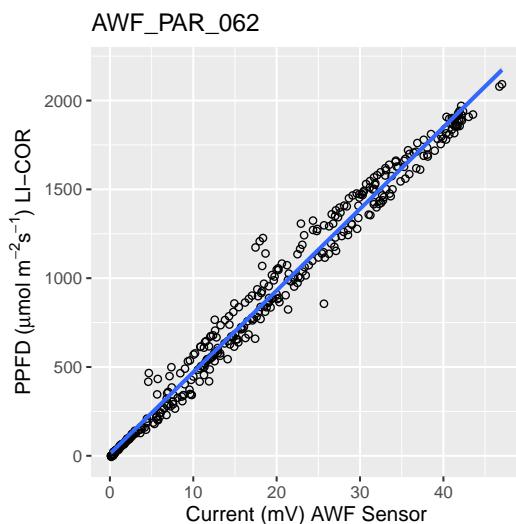
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_062 | 46.3599  | 0.1773     | 261.45  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 79.22 PPFD

Adjusted R-squared: 0.994



# SENSOR:063

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.353**

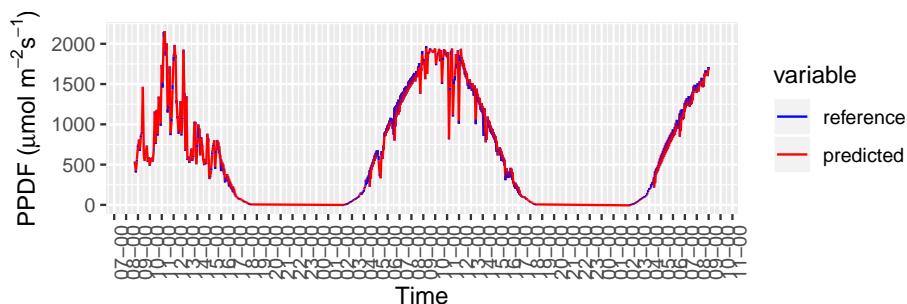
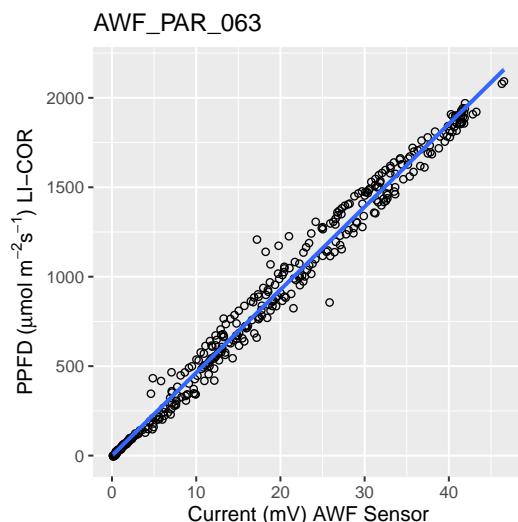
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_063 | 46.3529  | 0.1618     | 286.55  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 72.32 PPFD

Adjusted R-squared: 0.995



# SENSOR:064

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.94**

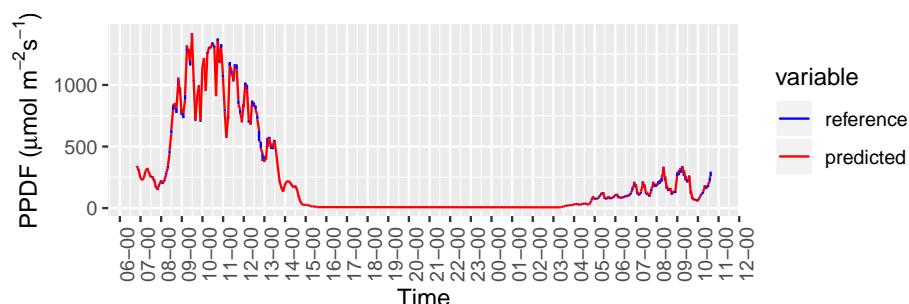
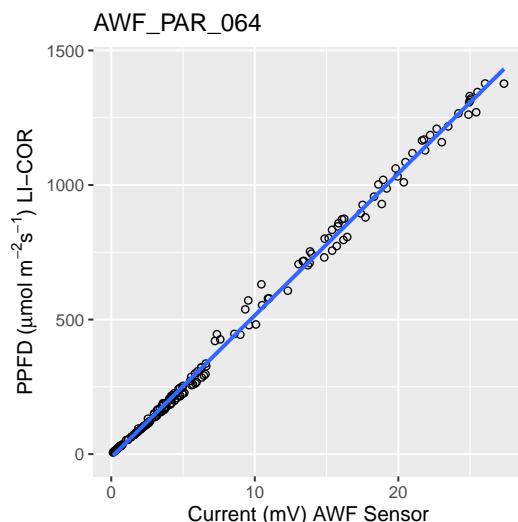
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_064 | 51.9404  | 0.1627     | 319.26  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 23.97 PPFD

Adjusted R-squared: 0.998



# SENSOR:064

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.94**

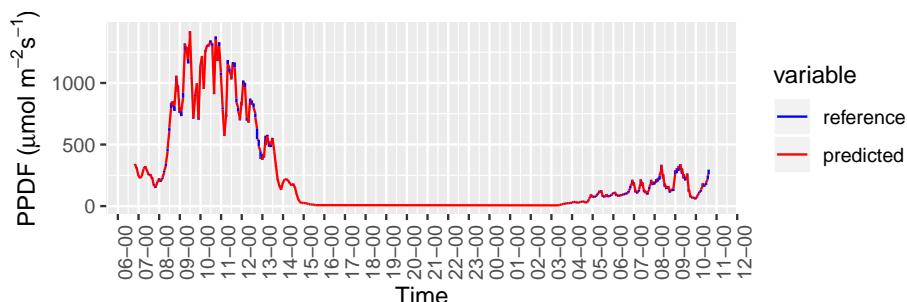
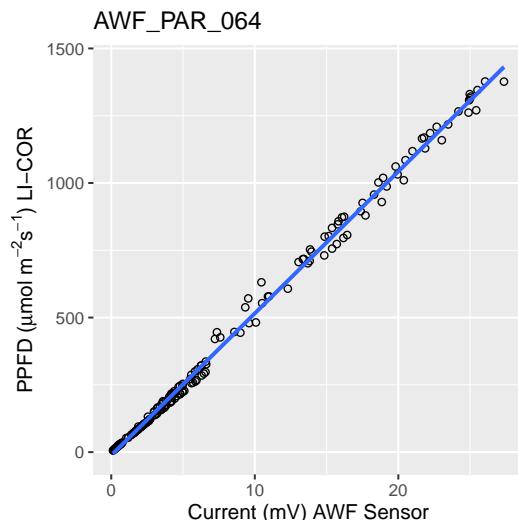
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_064 | 51.9404  | 0.1627     | 319.26  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 23.97 PPFD

Adjusted R-squared: 0.998



# SENSOR:065

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.737**

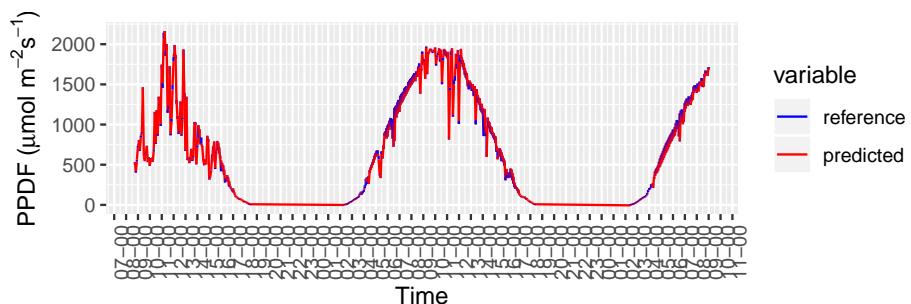
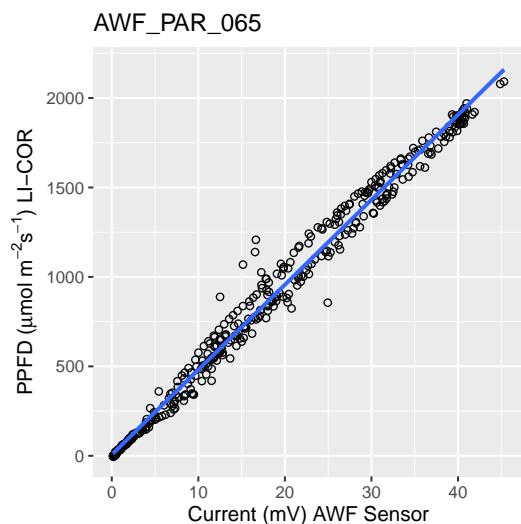
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_065 | 47.7372  | 0.1665     | 286.72  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 72.28 PPFD

Adjusted R-squared: 0.995



# SENSOR:066

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.214**

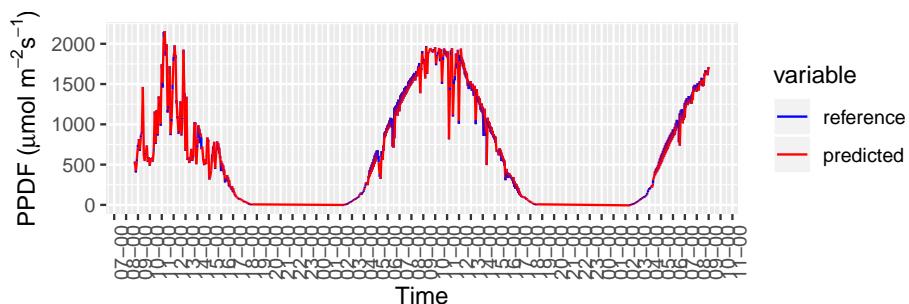
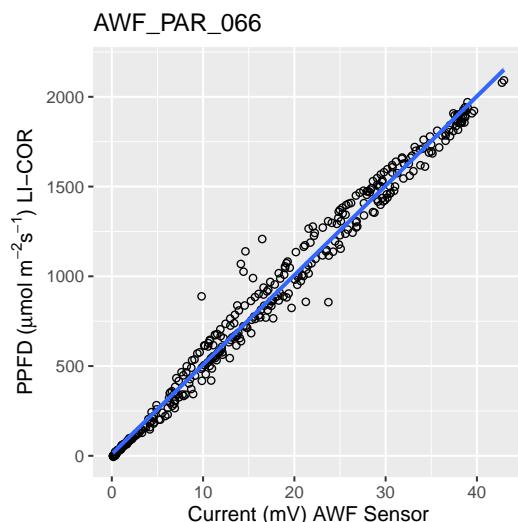
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_066 | 50.2135  | 0.1815     | 276.62  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 74.9 PPFD

Adjusted R-squared: 0.995



# SENSOR:067

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.779**

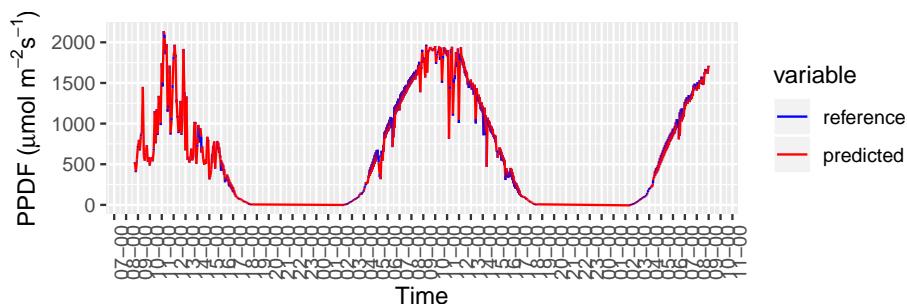
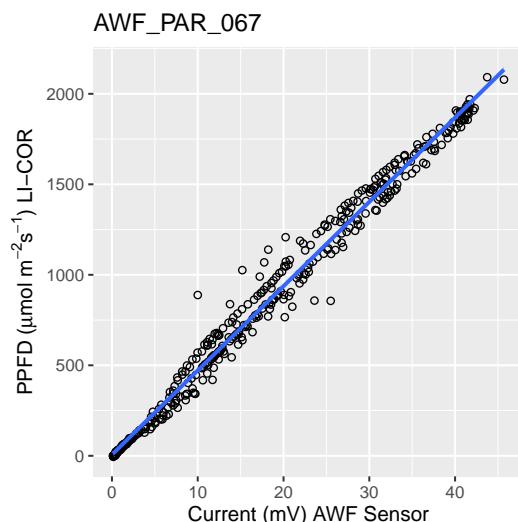
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_067 | 46.7788  | 0.1622     | 288.40  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 71.86 PPFD

Adjusted R-squared: 0.995



# SENSOR:068

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.529**

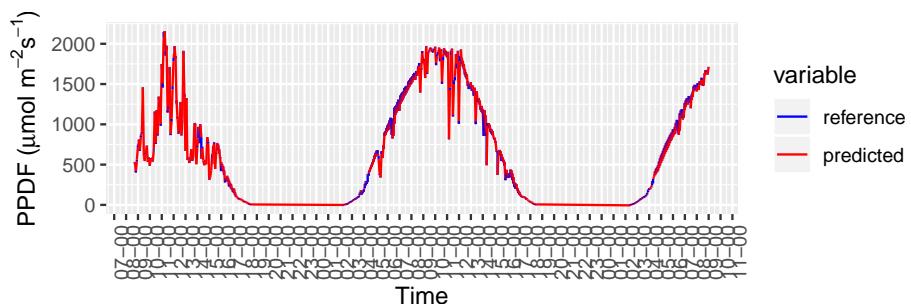
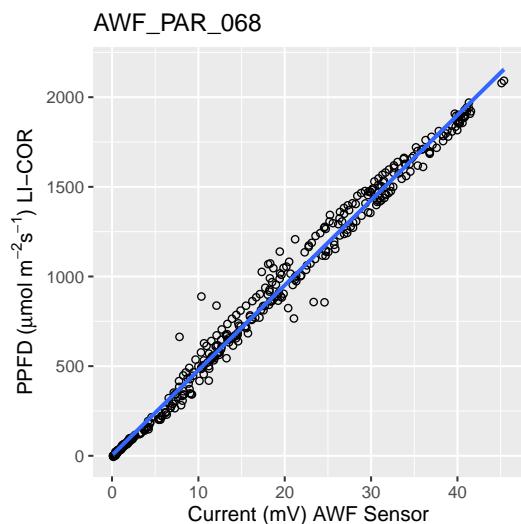
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_068 | 47.5291  | 0.1510     | 314.79  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.86 PPFD

Adjusted R-squared: 0.996



# SENSOR:069

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.056**

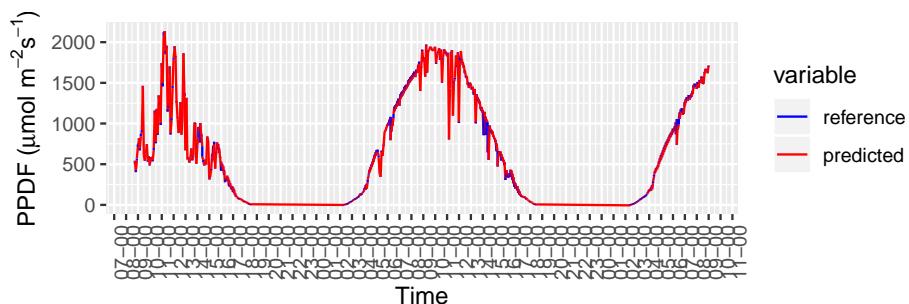
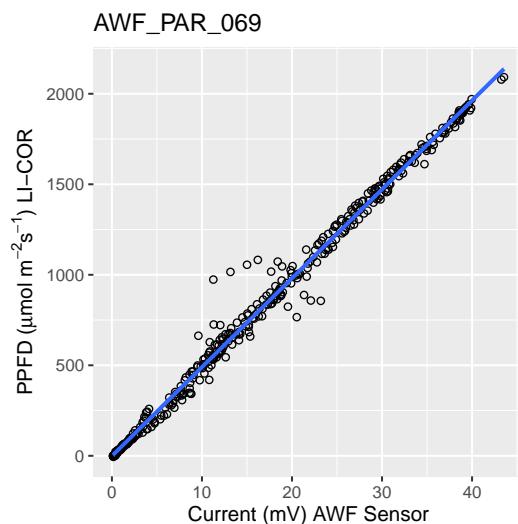
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_069 | 49.0562  | 0.1347     | 364.16  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.96 PPFD

Adjusted R-squared: 0.997



# SENSOR:070

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.838**

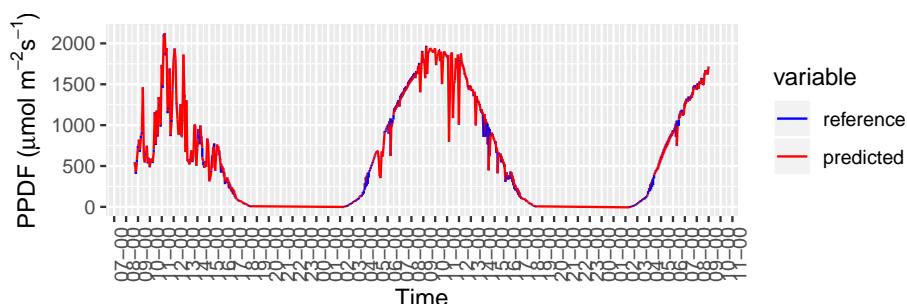
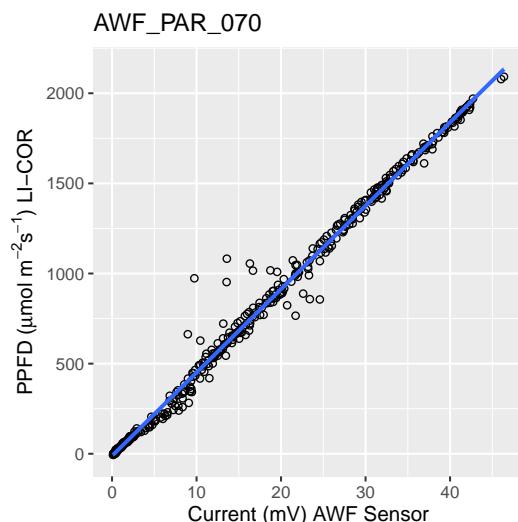
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_070 | 45.8384  | 0.1363     | 336.32  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 61.66 PPFD

Adjusted R-squared: 0.997



# SENSOR:071

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.224**

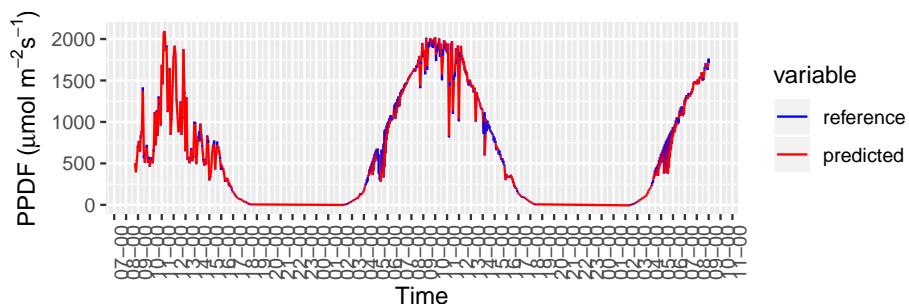
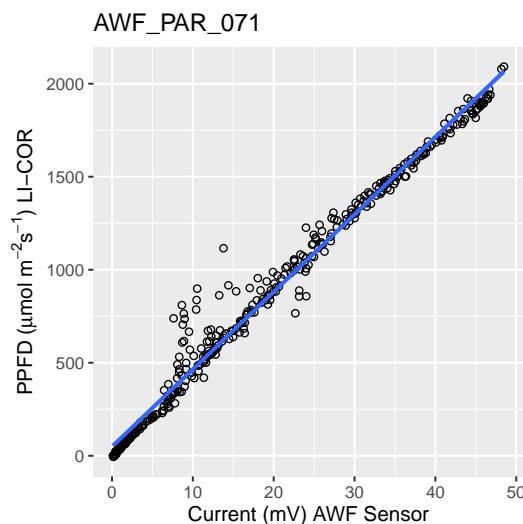
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_071 | 43.2243  | 0.1775     | 243.52  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 85.02 PPFD

Adjusted R-squared: 0.993



## SENSOR:072

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.623**

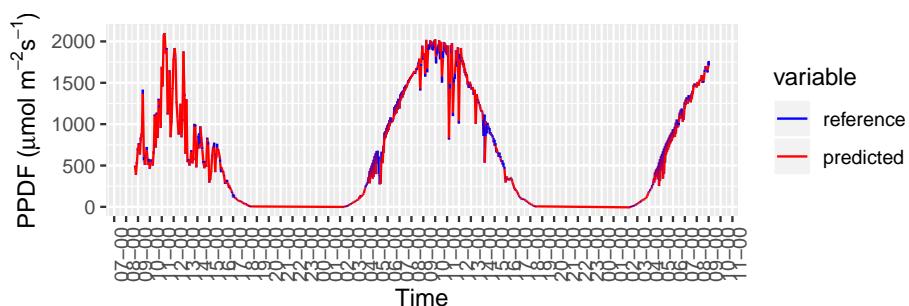
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_072 | 44.6227  | 0.1578     | 282.83  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 73.27 PPFD

Adjusted R-squared: 0.995



# SENSOR:073

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.211**

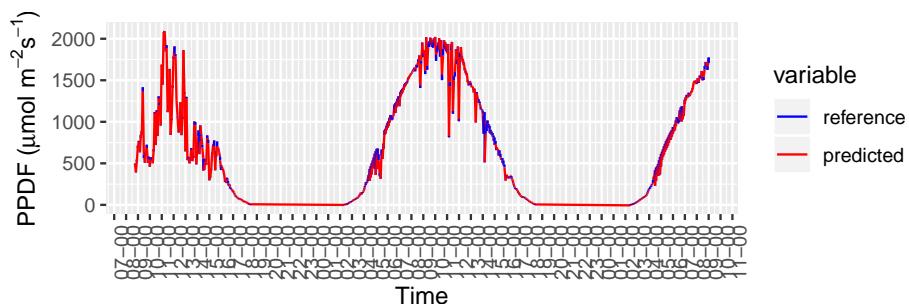
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_073 | 44.2111  | 0.1416     | 312.33  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 66.38 PPFD

Adjusted R-squared: 0.996



# SENSOR:074

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.338**

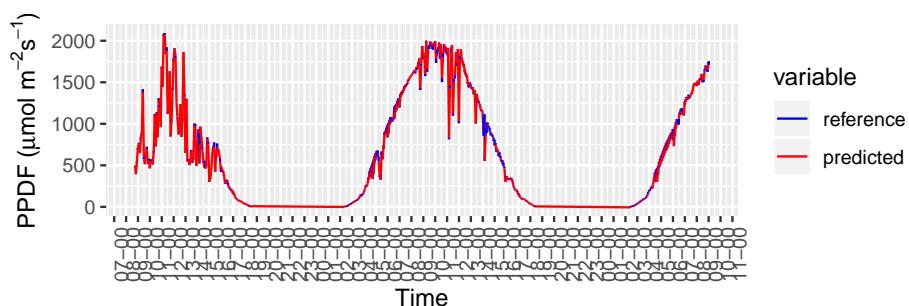
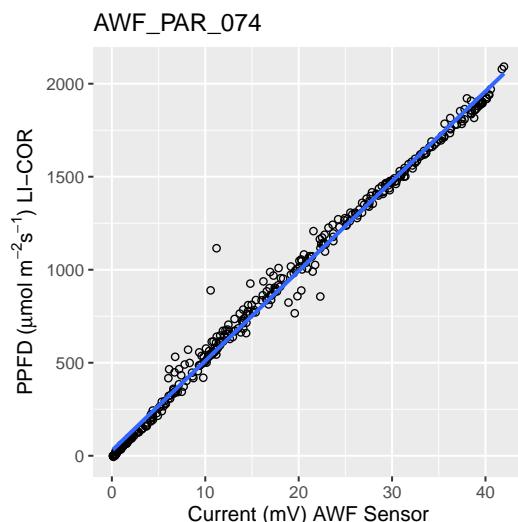
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_074 | 49.3377  | 0.1369     | 360.37  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.56 PPFD

Adjusted R-squared: 0.997



# SENSOR:075

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.795**

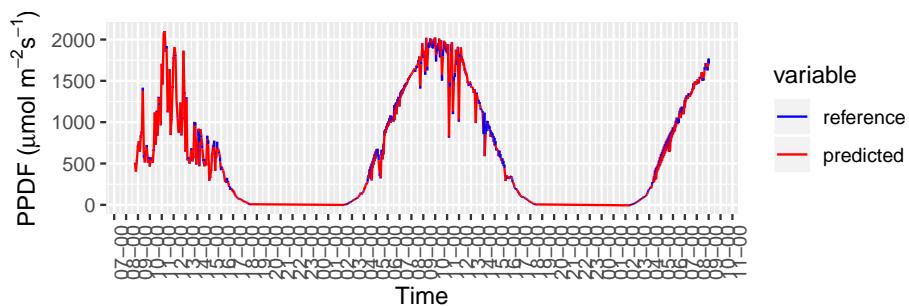
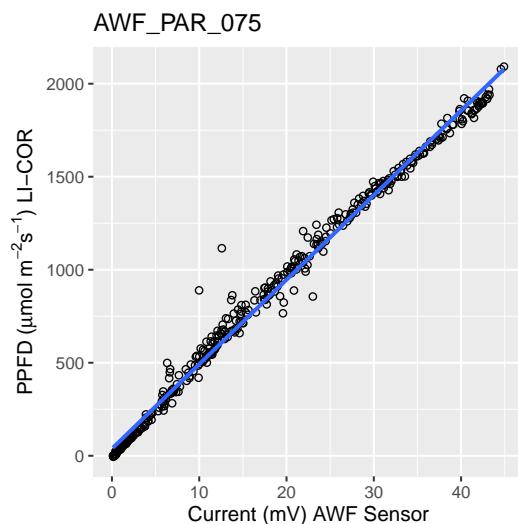
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_075 | 46.7947  | 0.1420     | 329.64  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 62.9 PPFD

Adjusted R-squared: 0.996



# SENSOR:076

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.078**

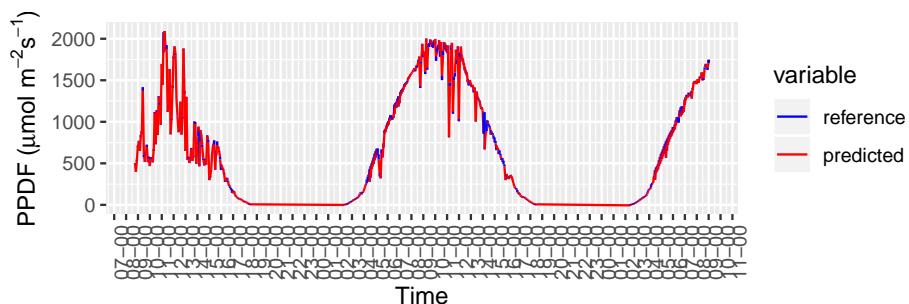
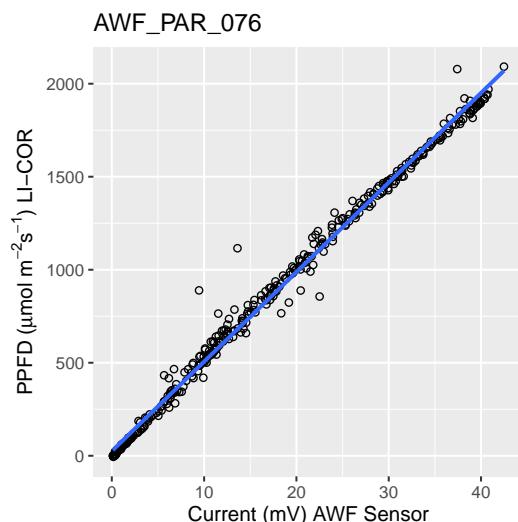
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_076 | 49.0778  | 0.1281     | 383.02  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 54.16 PPFD

Adjusted R-squared: 0.997



# SENSOR:077

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.092**

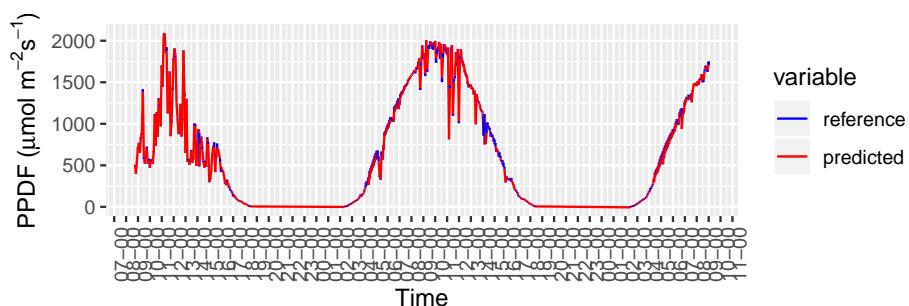
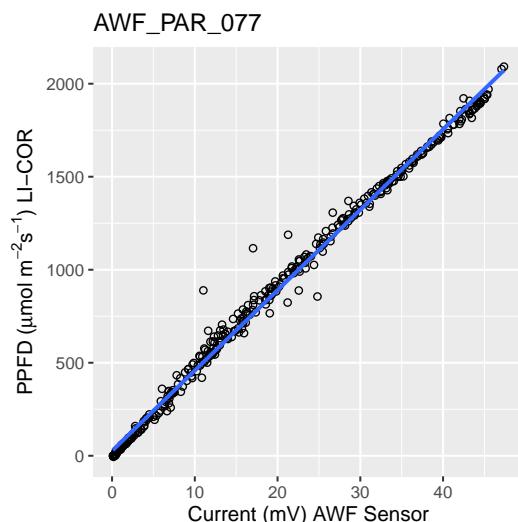
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_077 | 44.0918  | 0.1071     | 411.74  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 50.39 PPFD

Adjusted R-squared: 0.998



# SENSOR:078

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.246**

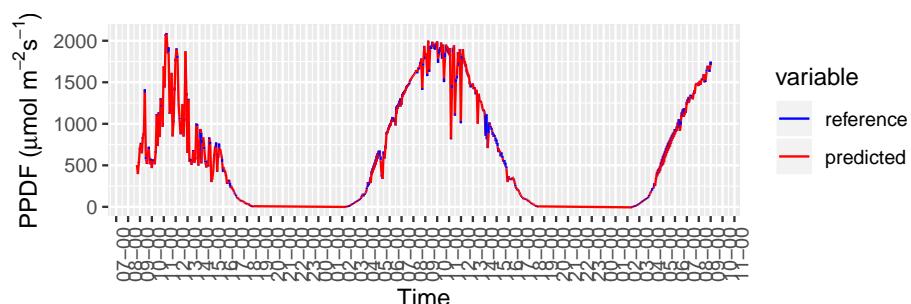
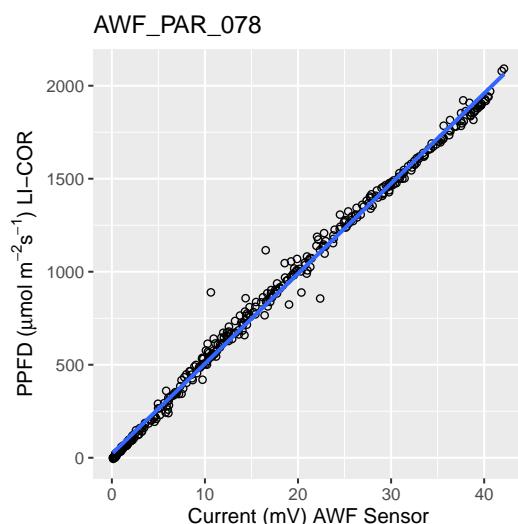
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_078 | 49.2465  | 0.1078     | 456.75  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 45.44 PPFD

Adjusted R-squared: 0.998



# SENSOR:079

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.026**

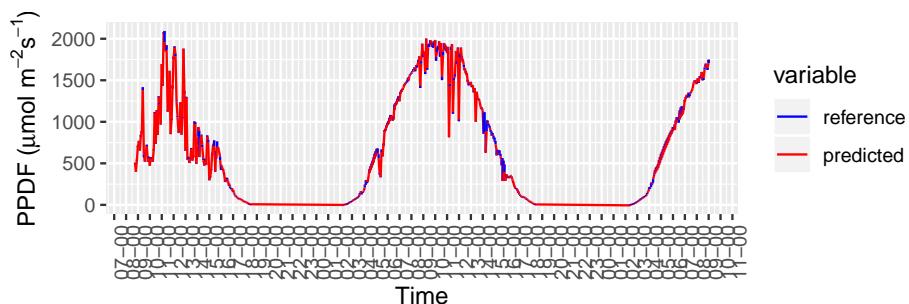
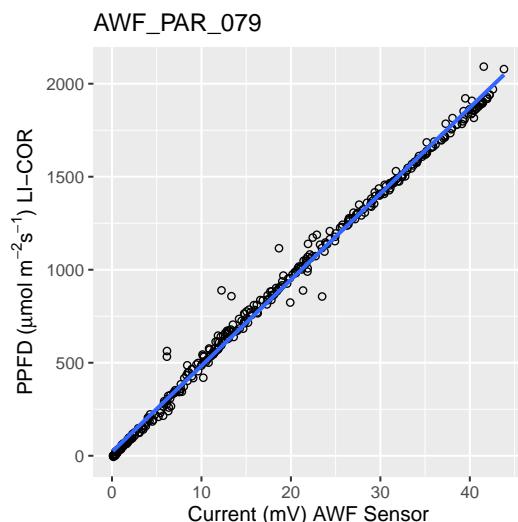
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_079 | 47.0260  | 0.1039     | 452.79  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 45.83 PPFD

Adjusted R-squared: 0.998



# SENSOR:080

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.548**

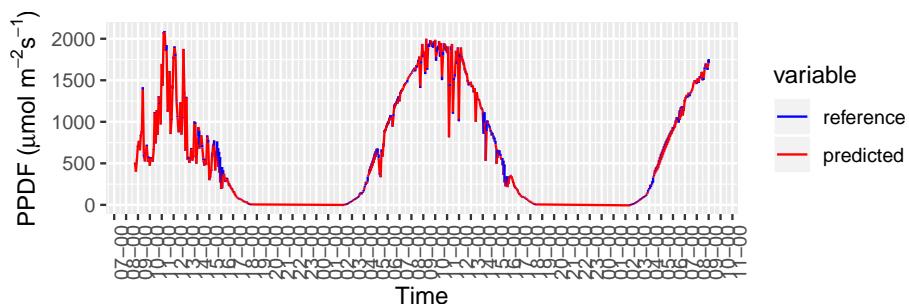
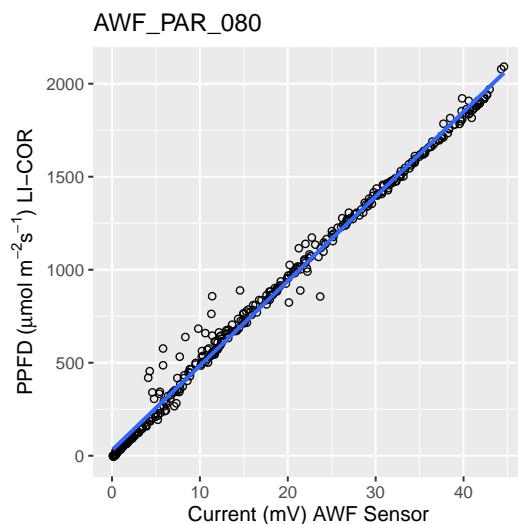
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_080 | 46.5484  | 0.1215     | 383.16  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 54.14 PPFD

Adjusted R-squared: 0.997



# SENSOR:081

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.291**

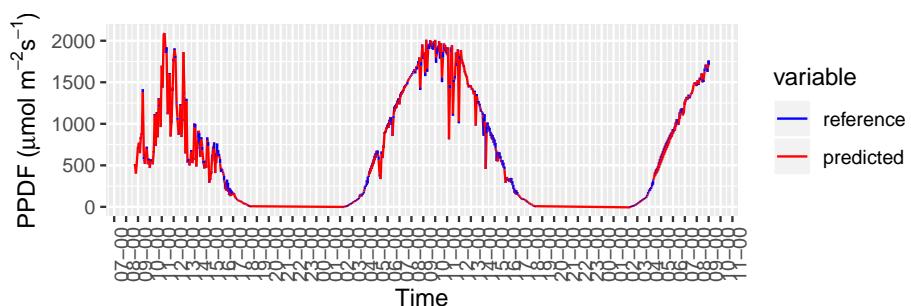
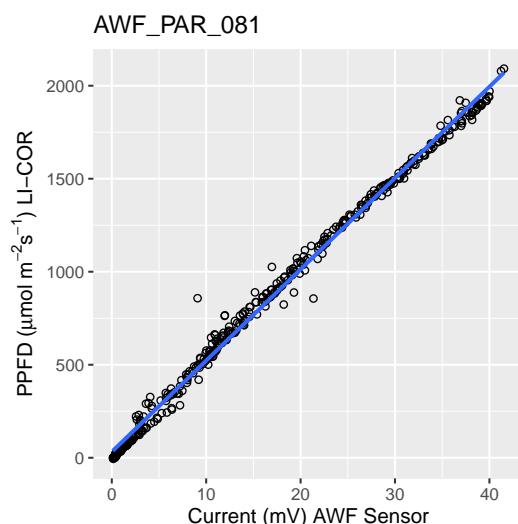
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_081 | 50.2914  | 0.1196     | 420.58  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 49.34 PPFD

Adjusted R-squared: 0.998



## SENSOR:082

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 46.48**

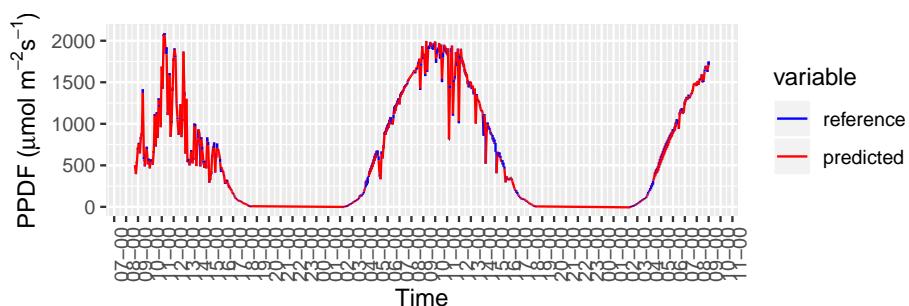
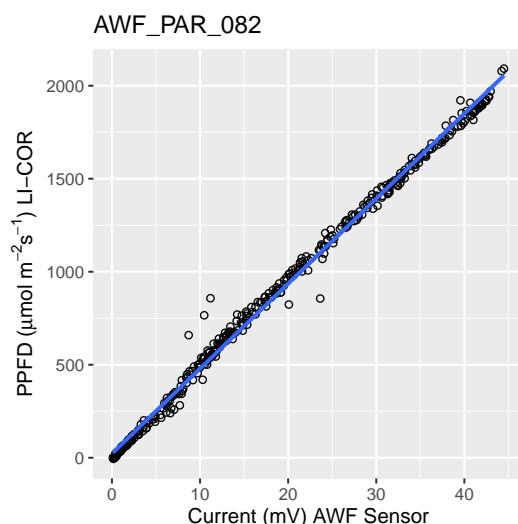
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_082 | 46.4802  | 0.0995     | 467.07  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 44.43 PPFD

Adjusted R-squared: 0.998



# SENSOR:083

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.088**

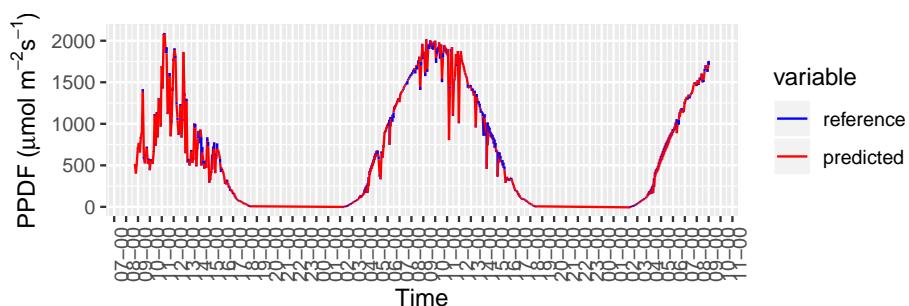
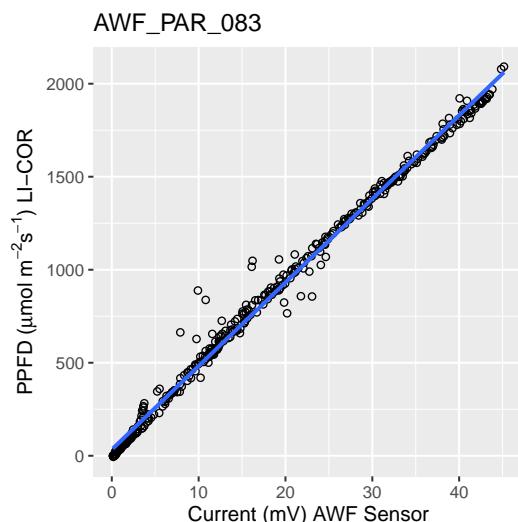
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_083 | 46.0876  | 0.1244     | 370.48  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 55.99 PPFD

Adjusted R-squared: 0.997



# SENSOR:084

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.101**

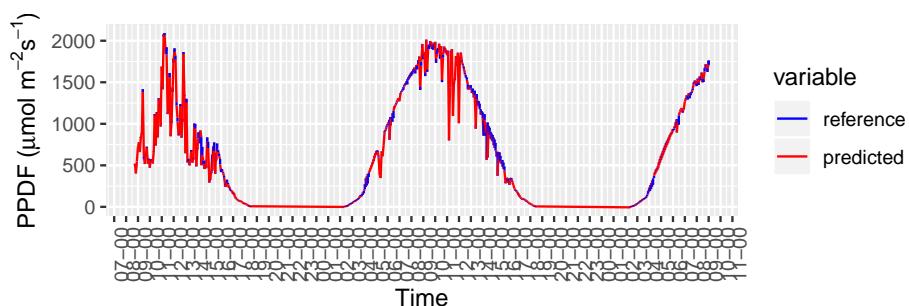
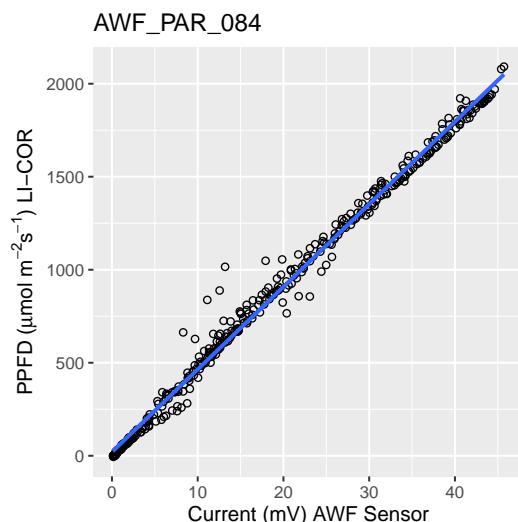
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_084 | 45.1013  | 0.1226     | 367.78  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.4 PPFD

Adjusted R-squared: 0.997



# SENSOR:085

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.341**

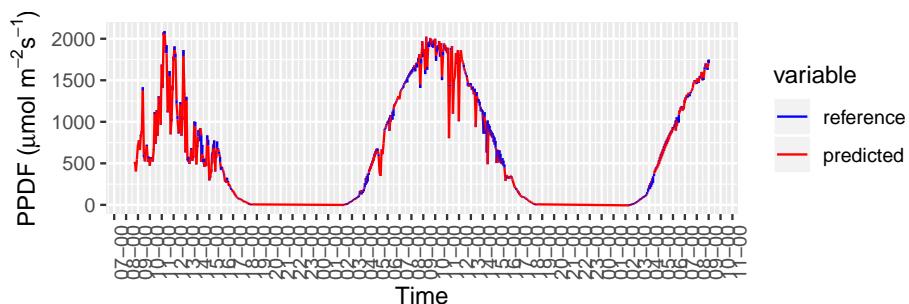
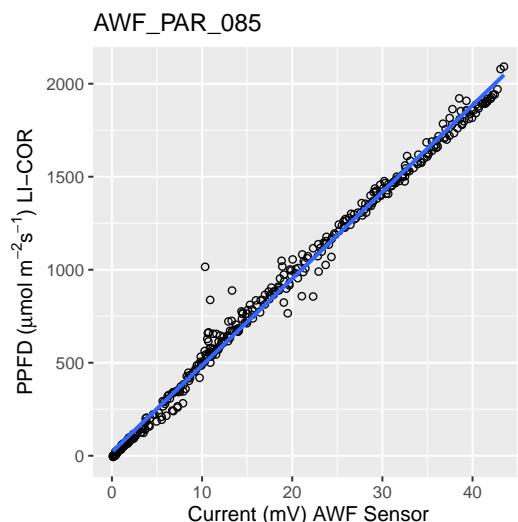
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_085 | 47.3406  | 0.1261     | 375.41  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 55.26 PPFD

Adjusted R-squared: 0.997



# SENSOR:086

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.452**

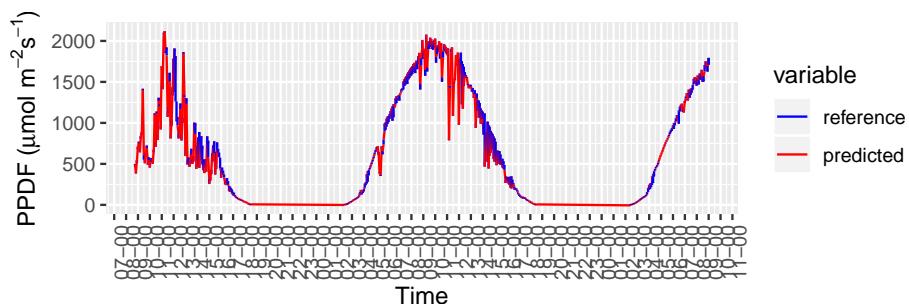
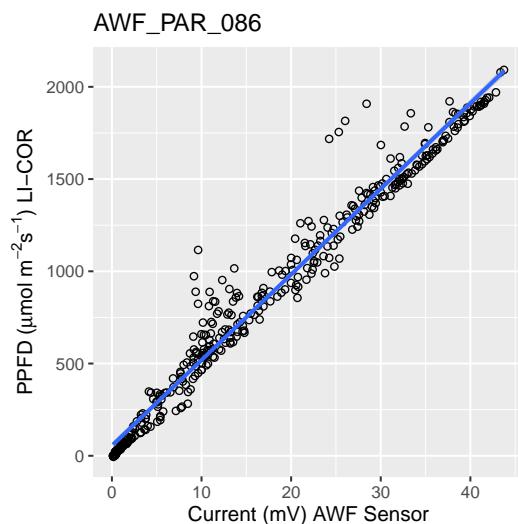
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_086 | 48.4516  | 0.2651     | 182.76  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 113 PPFD

Adjusted R-squared: 0.988



# SENSOR:087

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.693**

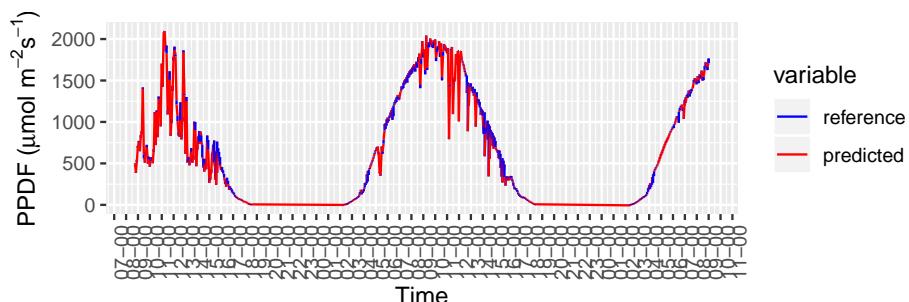
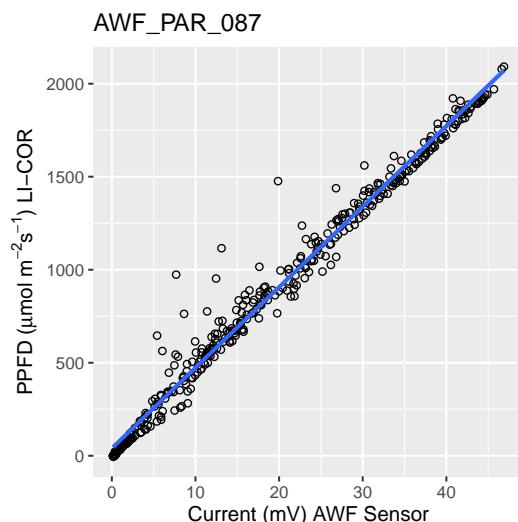
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_087 | 44.6934  | 0.1867     | 239.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 86.49 PPFD

Adjusted R-squared: 0.993



# SENSOR:088

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.29**

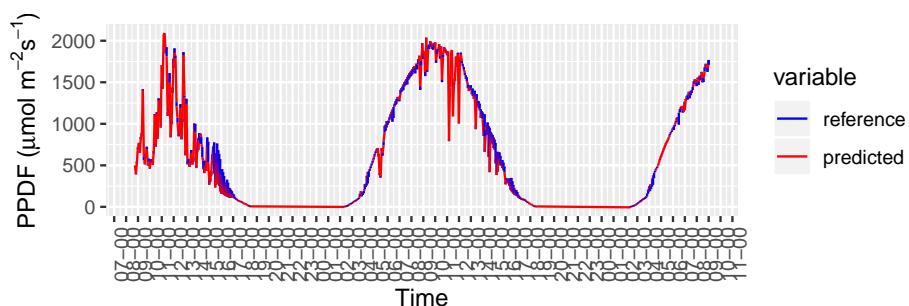
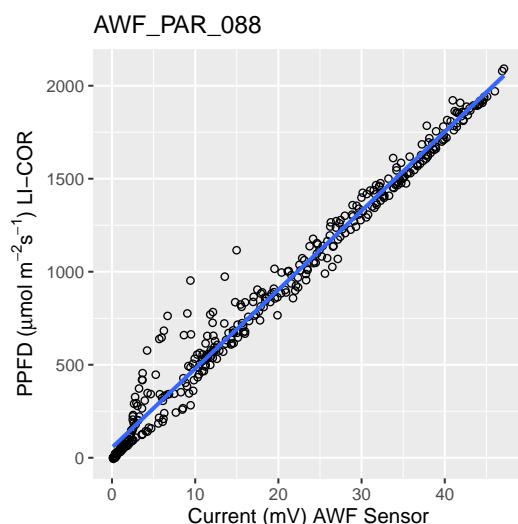
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_088 | 44.2904  | 0.1993     | 222.18  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 93.13 PPFD

Adjusted R-squared: 0.992



# SENSOR:089

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 42.651**

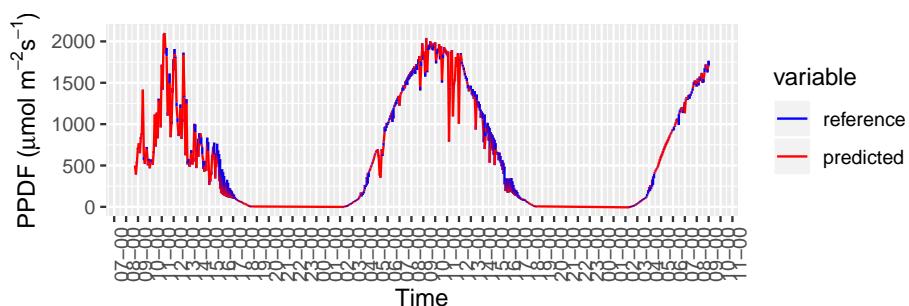
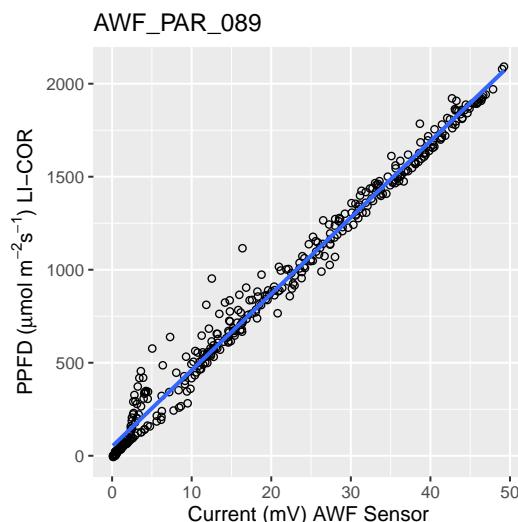
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_089 | 42.6513  | 0.1630     | 261.71  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 79.15 PPFD

Adjusted R-squared: 0.994



# SENSOR:090

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.27**

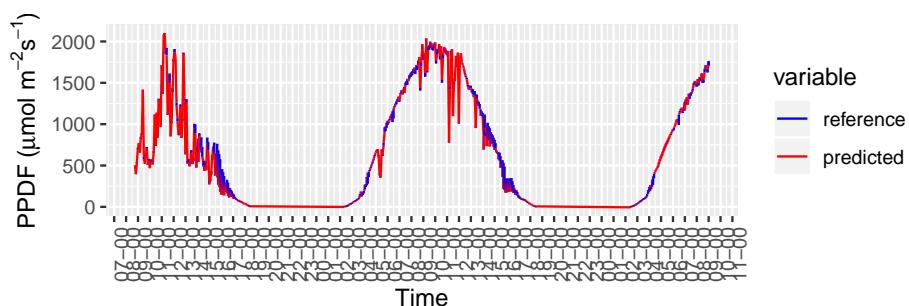
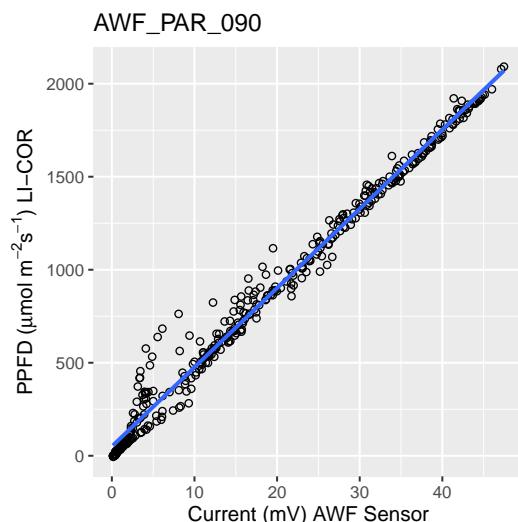
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_090 | 44.2696  | 0.1693     | 261.49  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 79.21 PPFD

Adjusted R-squared: 0.994



# SENSOR:091

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.621**

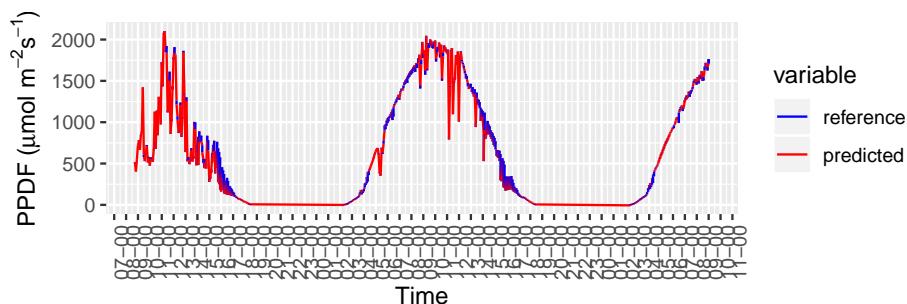
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_091 | 44.6213  | 0.1734     | 257.30  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 80.5 PPFD

Adjusted R-squared: 0.994



## SENSOR:092

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.479**

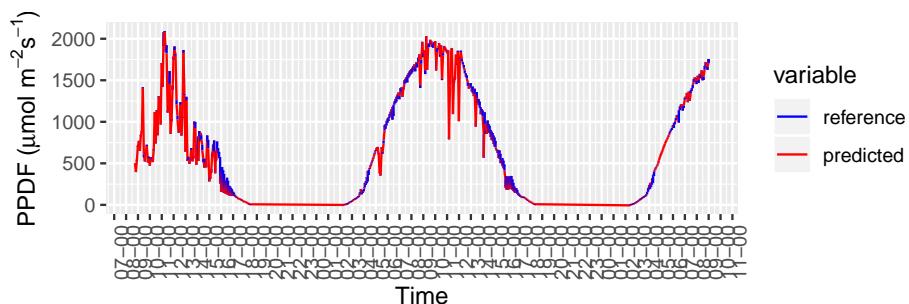
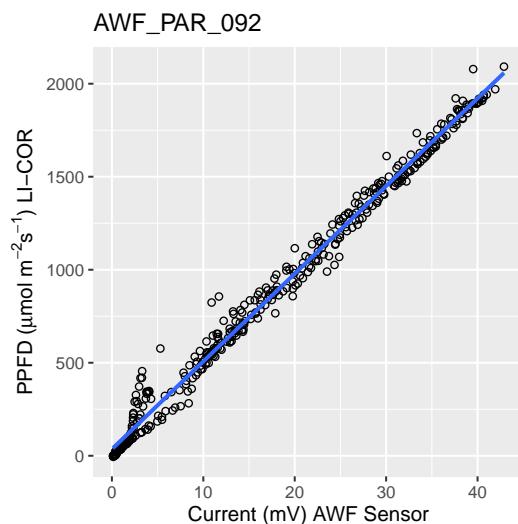
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_092 | 48.4789  | 0.1555     | 311.81  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 66.49 PPFD

Adjusted R-squared: 0.996



# SENSOR:093

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.497**

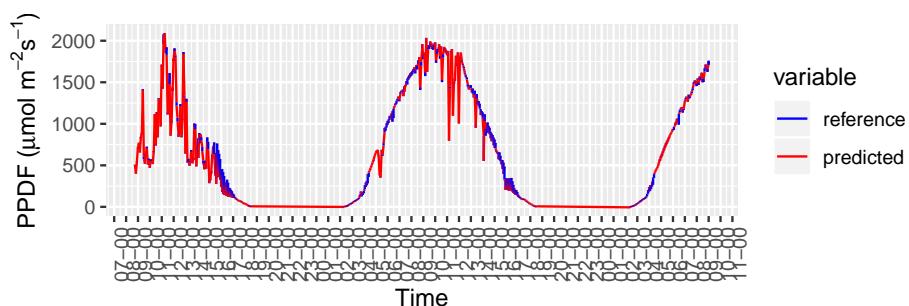
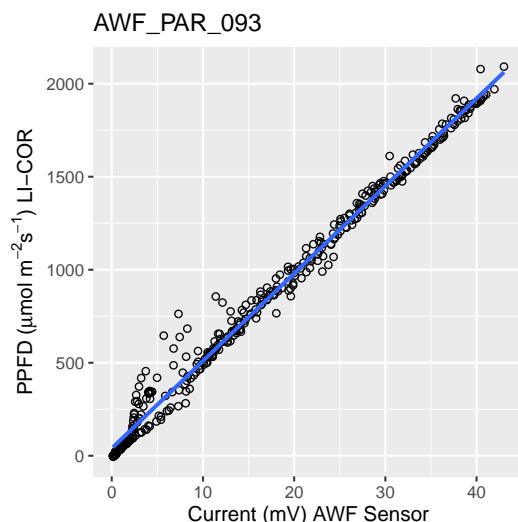
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_093 | 48.4965  | 0.1586     | 305.86  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 67.77 PPFD

Adjusted R-squared: 0.996



# SENSOR:094

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.234**

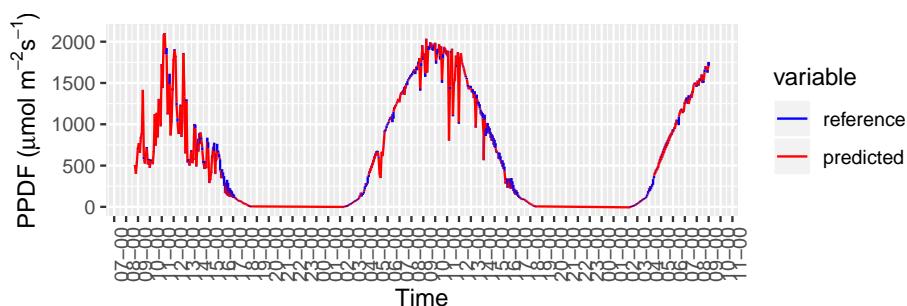
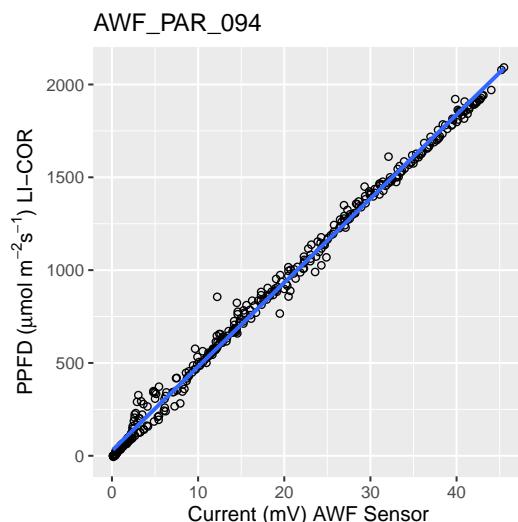
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_094 | 46.2339  | 0.1017     | 454.68  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 45.64 PPFD

Adjusted R-squared: 0.998



# SENSOR:095

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 42.943**

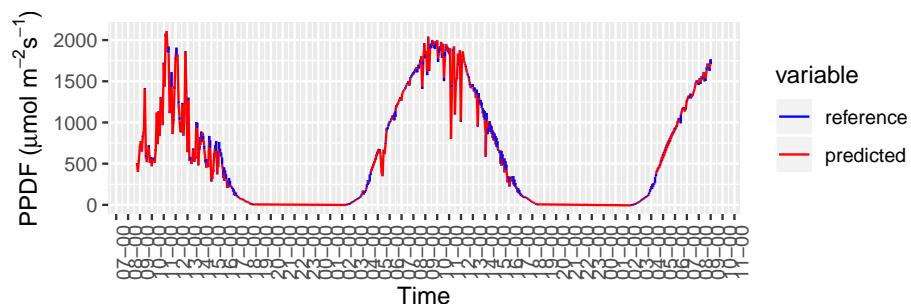
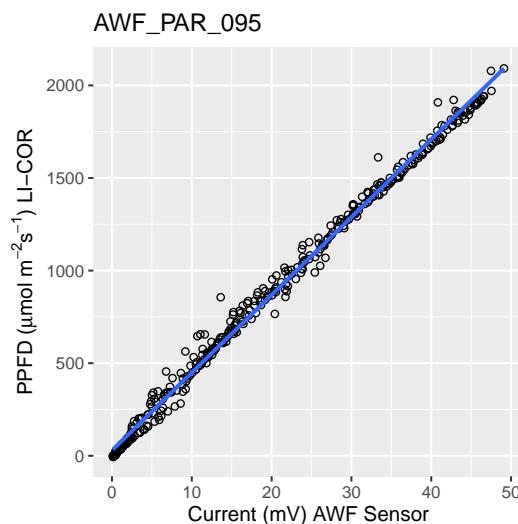
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_095 | 42.9431  | 0.1012     | 424.34  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 48.9 PPFD

Adjusted R-squared: 0.998



# SENSOR:096

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.588**

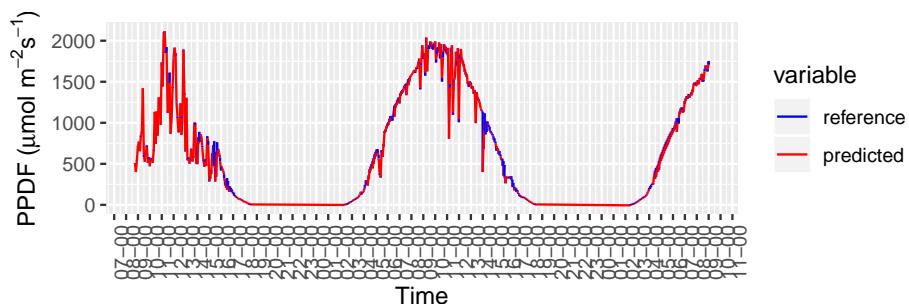
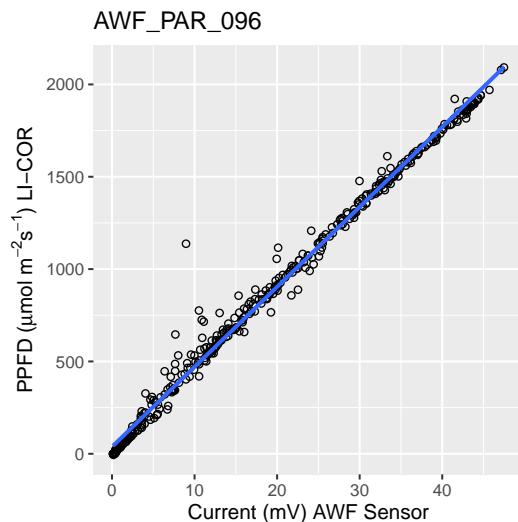
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_096 | 44.5884  | 0.1390     | 320.81  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.63 PPFD

Adjusted R-squared: 0.996



# SENSOR:097

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.573**

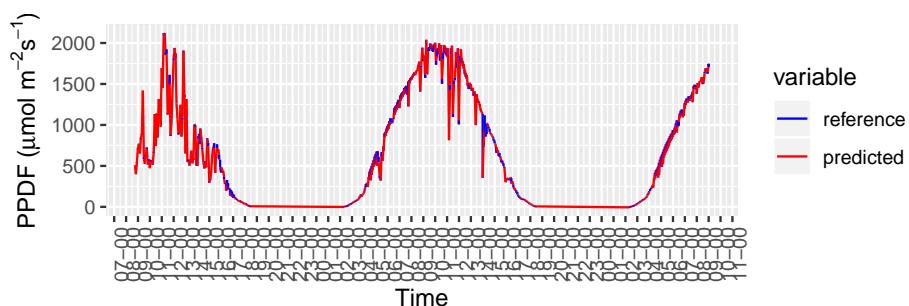
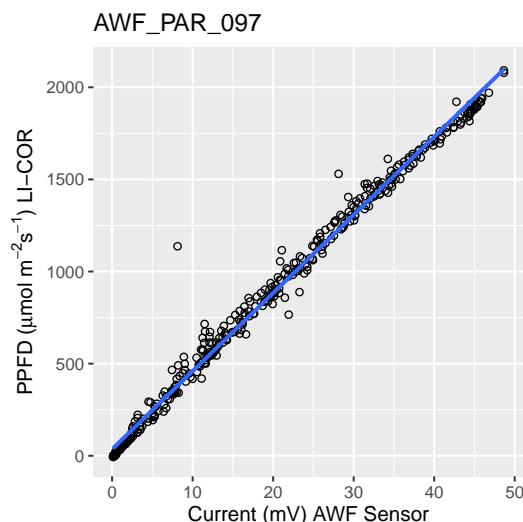
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_097 | 43.5727  | 0.1386     | 314.31  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.96 PPFD

Adjusted R-squared: 0.996



# SENSOR:098

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.188**

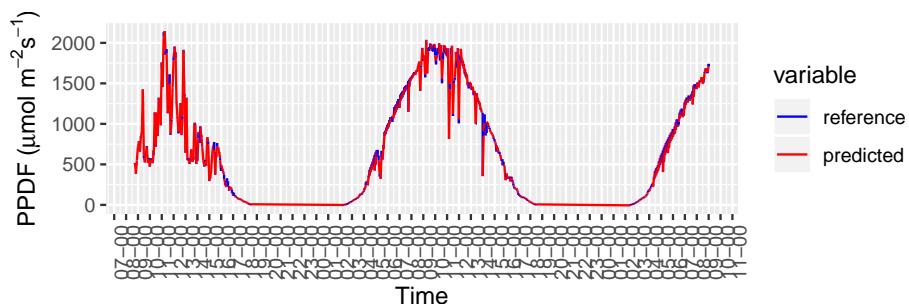
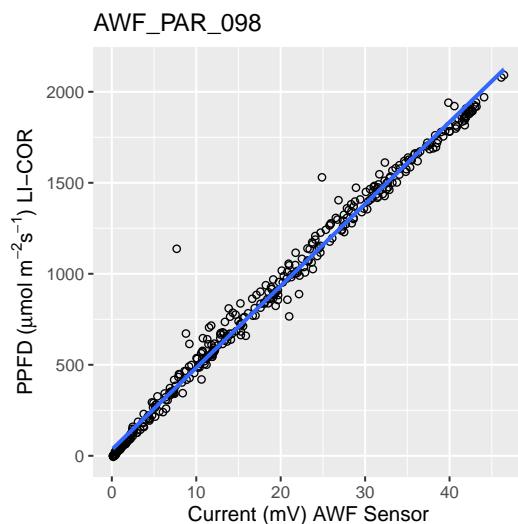
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_098 | 46.1884  | 0.1523     | 303.19  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 68.37 PPFD

Adjusted R-squared: 0.996



# SENSOR:099

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.969**

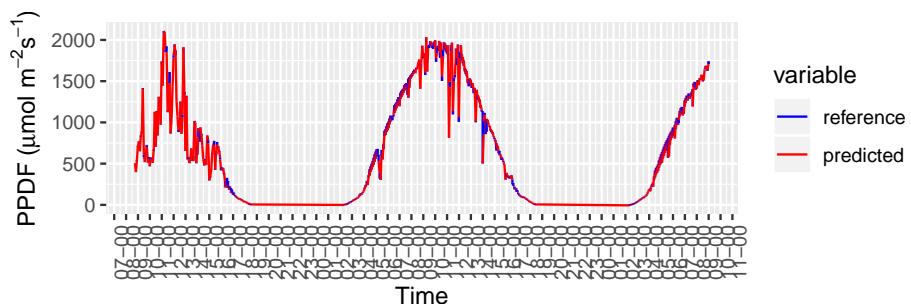
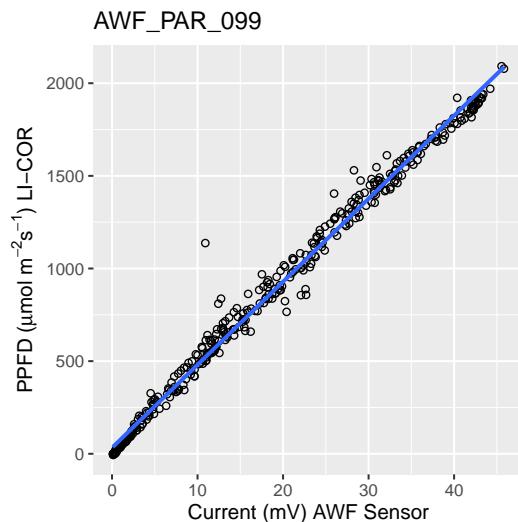
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_099 | 45.9689  | 0.1420     | 323.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.03 PPFD

Adjusted R-squared: 0.996



# SENSOR:100

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.872**

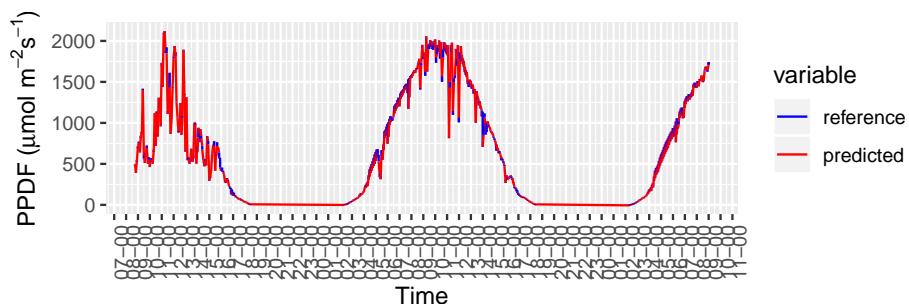
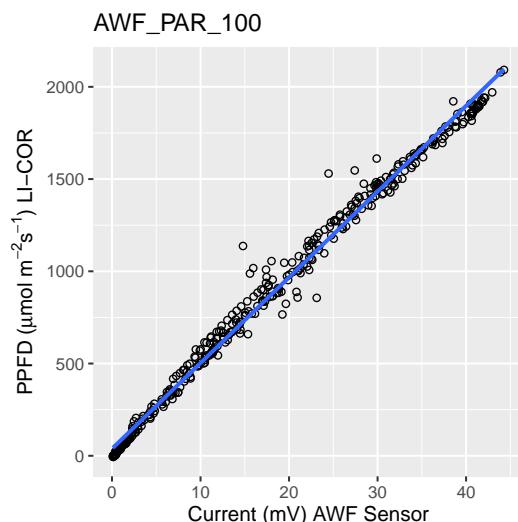
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_100 | 47.8724  | 0.1494     | 320.37  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.72 PPFD

Adjusted R-squared: 0.996



# SENSOR:101

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.647**

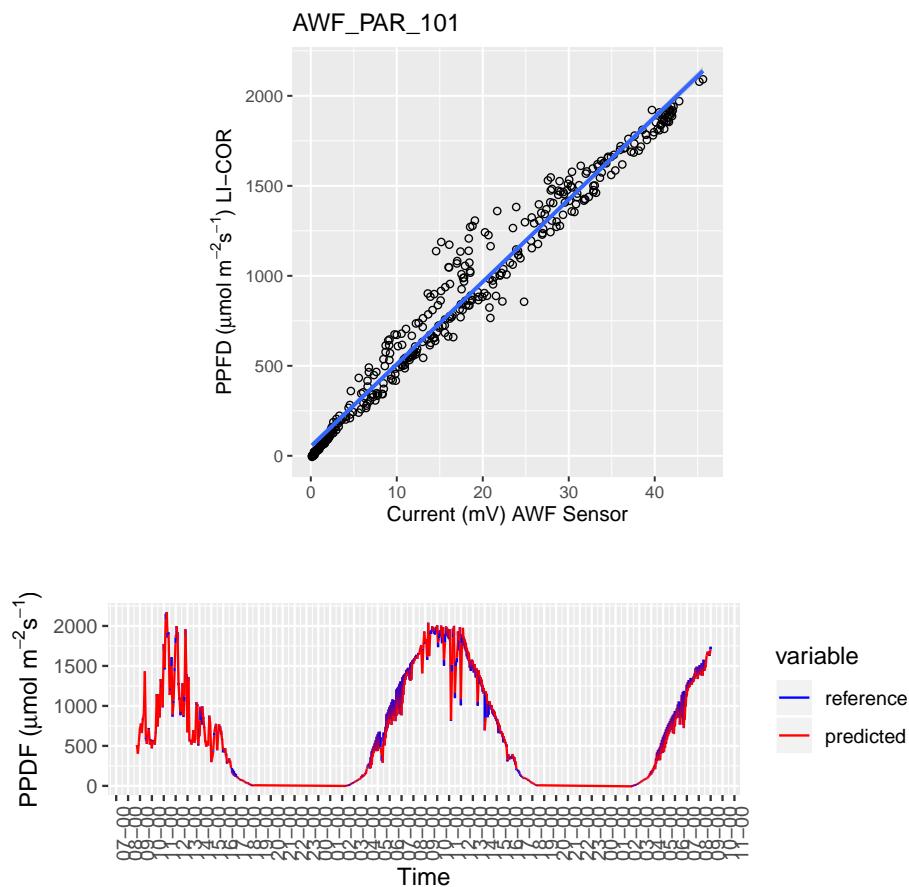
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_101 | 47.6469  | 0.2442     | 195.15  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 105.9 PPFD

Adjusted R-squared: 0.99



## SENSOR:102

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 47.502**

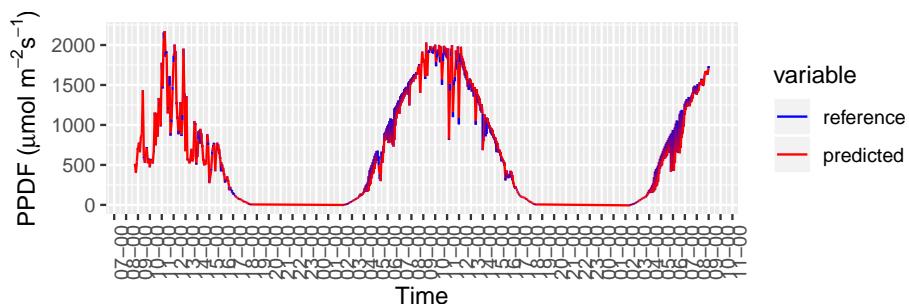
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_102 | 47.5023  | 0.2696     | 176.20  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 117.15 PPFD

Adjusted R-squared: 0.987



# SENSOR:103

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.658**

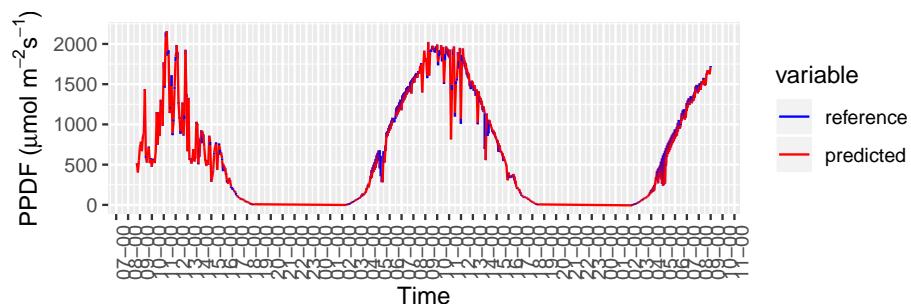
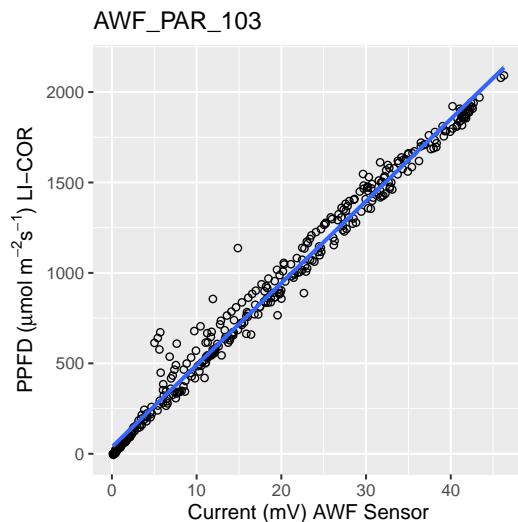
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_103 | 46.6579  | 0.1689     | 276.28  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 75 PPFD

Adjusted R-squared: 0.995



# SENSOR:104

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.643**

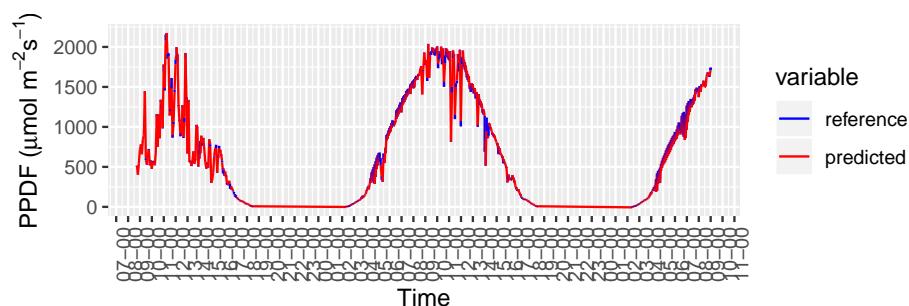
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_104 | 46.6425  | 0.1746     | 267.21  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 77.53 PPFD

Adjusted R-squared: 0.995



# SENSOR:105

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.75**

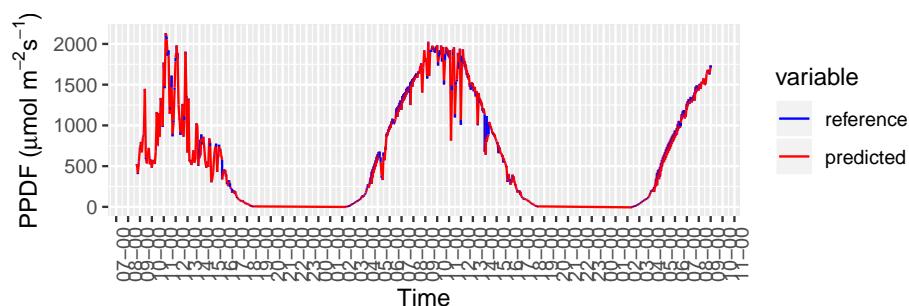
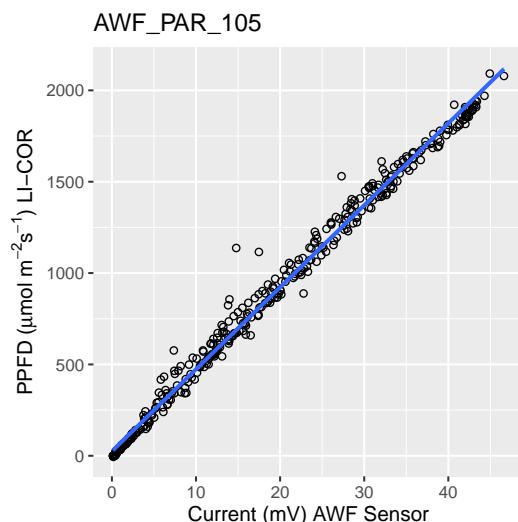
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_105 | 45.7501  | 0.1317     | 347.39  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 59.7 PPFD

Adjusted R-squared: 0.997



# SENSOR:106

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.724**

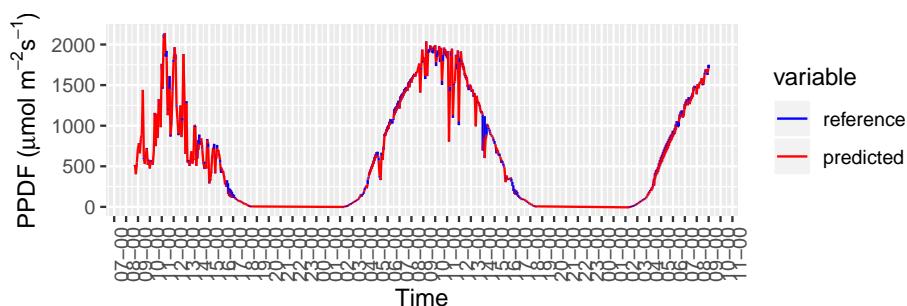
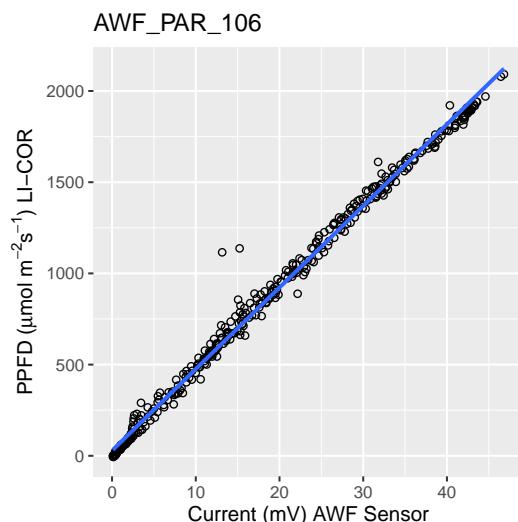
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_106 | 45.7244  | 0.1191     | 384.06  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 54.02 PPFD

Adjusted R-squared: 0.997



# SENSOR:107

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.917**

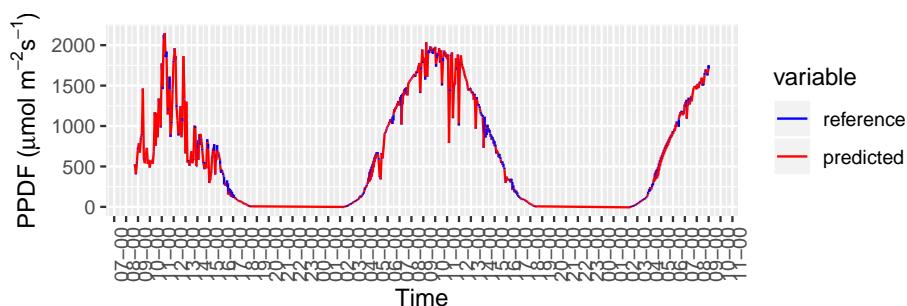
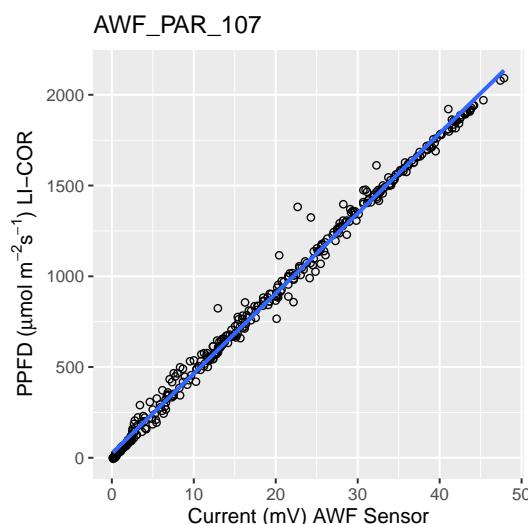
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_107 | 44.9172  | 0.1027     | 437.54  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 47.43 PPFD

Adjusted R-squared: 0.998



# SENSOR:108

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.414**

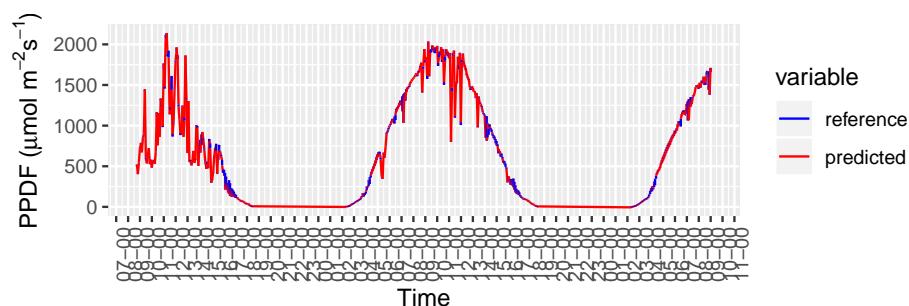
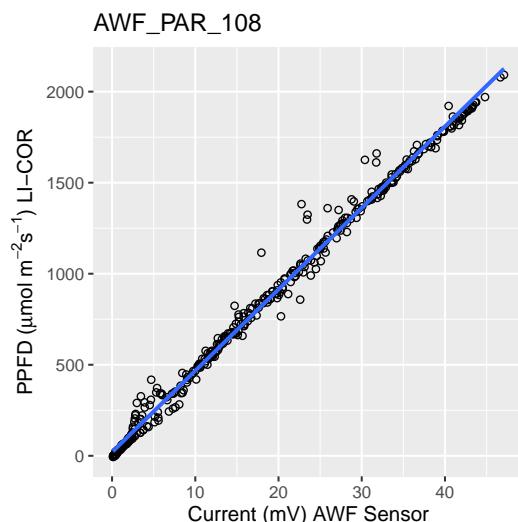
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_108 | 45.4136  | 0.1167     | 389.12  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 53.31 PPFD

Adjusted R-squared: 0.997



# SENSOR:109

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.817**

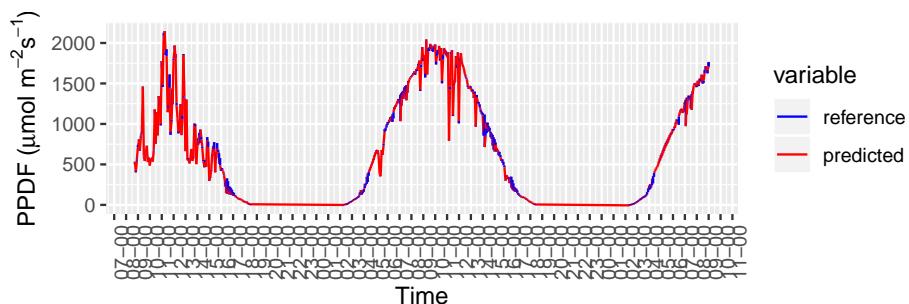
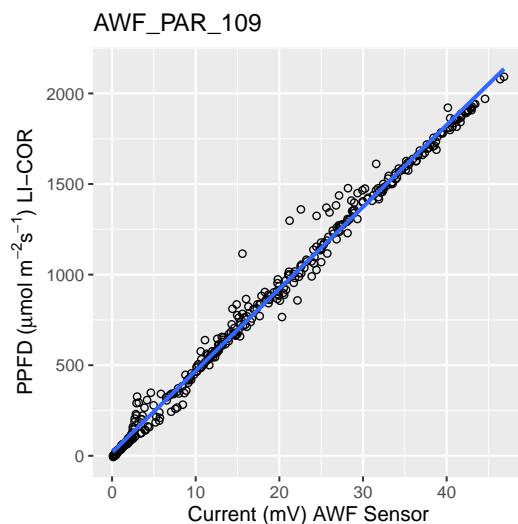
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_109 | 45.8172  | 0.1267     | 361.63  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.36 PPFD

Adjusted R-squared: 0.997



# SENSOR:110

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.028**

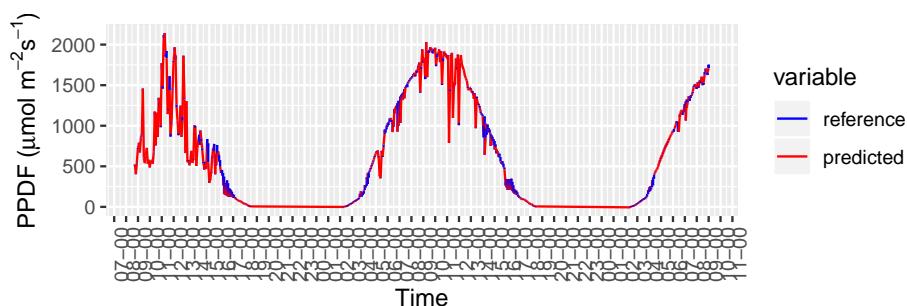
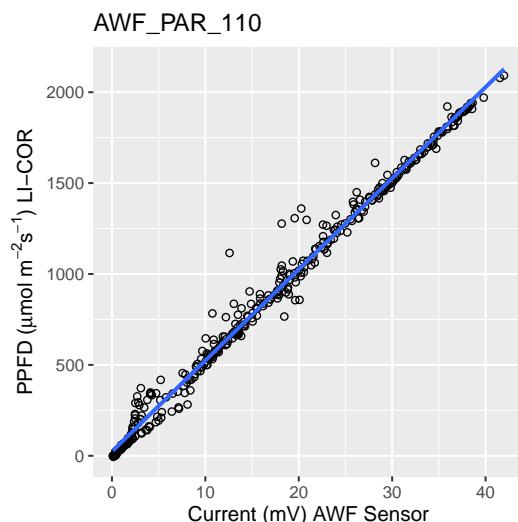
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_110 | 51.0279  | 0.1566     | 325.76  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 63.65 PPFD

Adjusted R-squared: 0.996



# SENSOR:111

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.276**

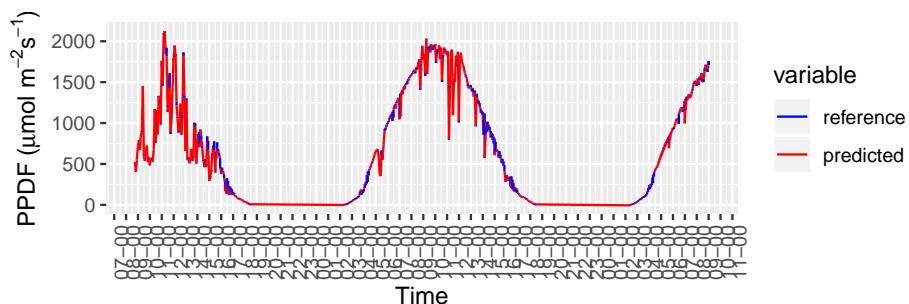
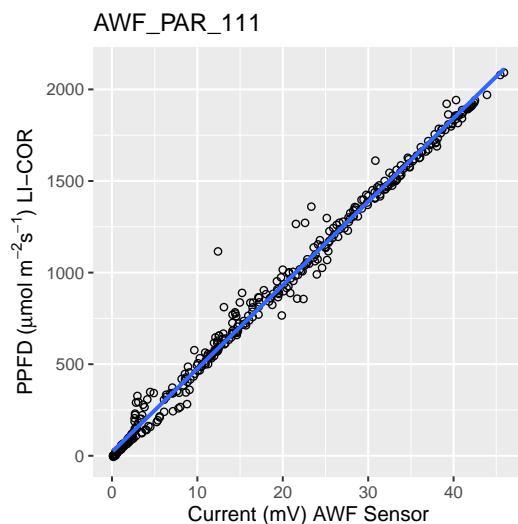
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_111 | 46.2761  | 0.1320     | 350.62  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 59.15 PPFD

Adjusted R-squared: 0.997



## SENSOR:112

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 397  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.847**

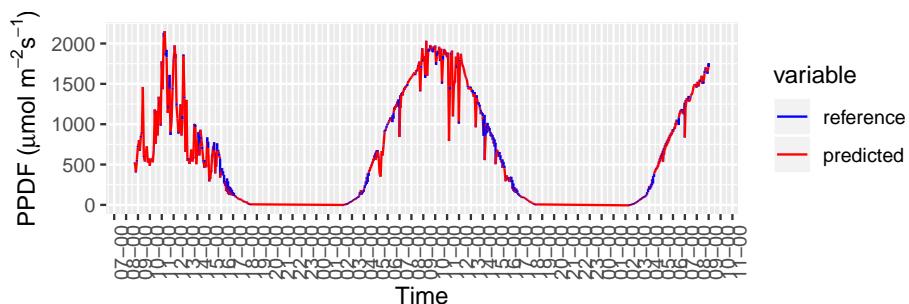
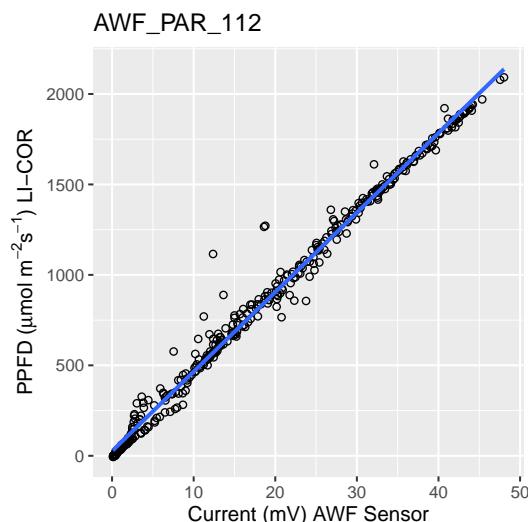
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_112 | 44.8469  | 0.1407     | 318.67  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 65.06 PPFD

Adjusted R-squared: 0.996



# SENSOR:113

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 398  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.132**

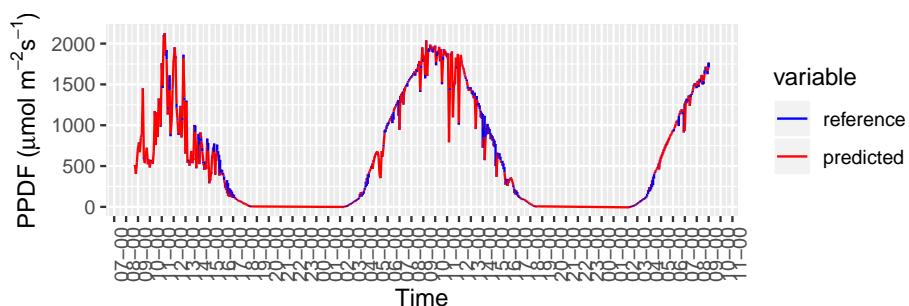
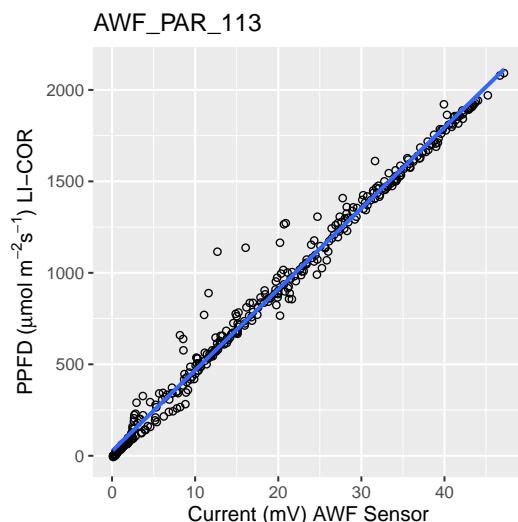
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_113 | 45.1324  | 0.1501     | 300.76  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 68.92 PPFD

Adjusted R-squared: 0.996



# SENSOR:114

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.902**

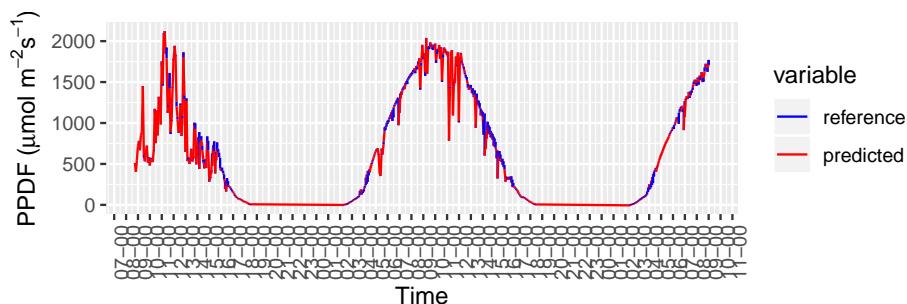
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_114 | 44.9023  | 0.1400     | 320.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.63 PPFD

Adjusted R-squared: 0.996



# SENSOR:115

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 395  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.721**

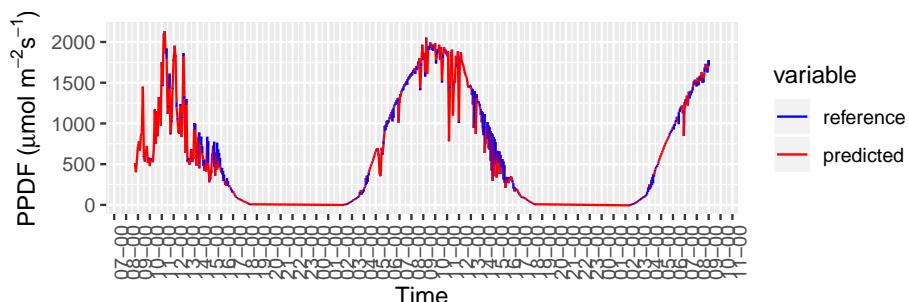
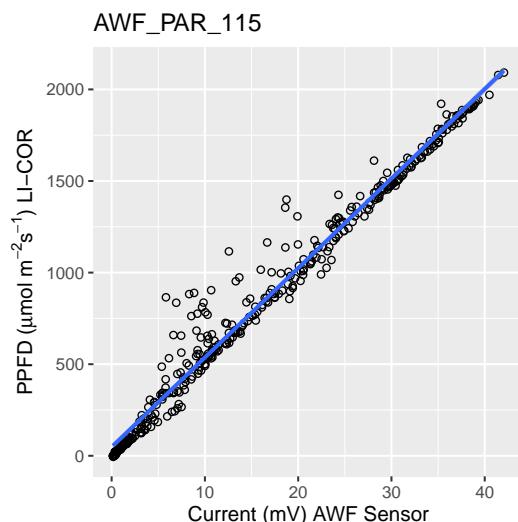
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_115 | 50.7208  | 0.2435     | 208.31  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 99.27 PPFD

Adjusted R-squared: 0.991



# SENSOR:116

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Jul 17 10:44:30 2017  
End: Jul 19 11:00:00 2017  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 396  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.161**

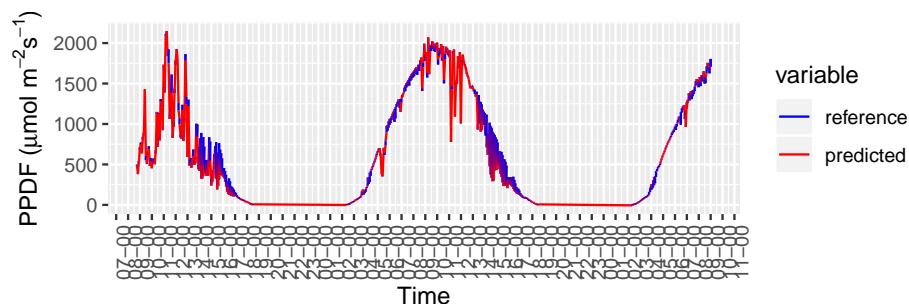
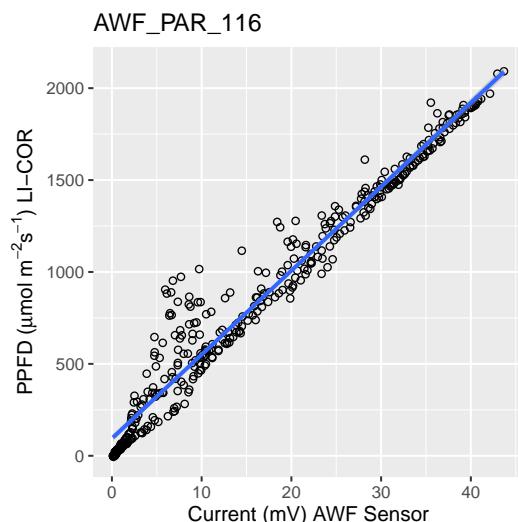
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_116 | 49.1609  | 0.3253     | 151.15  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 136.26 PPFD

Adjusted R-squared: 0.983



# SENSOR:117

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.078**

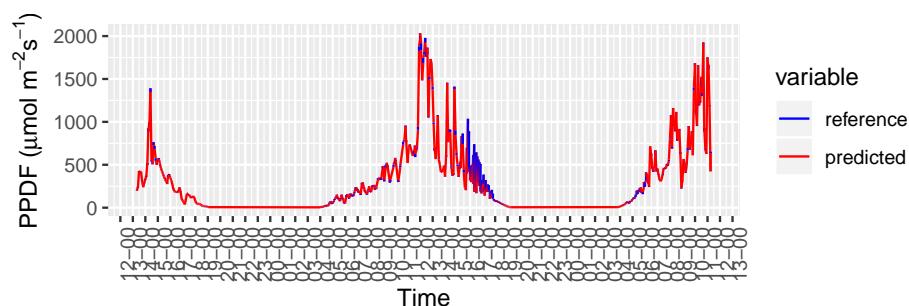
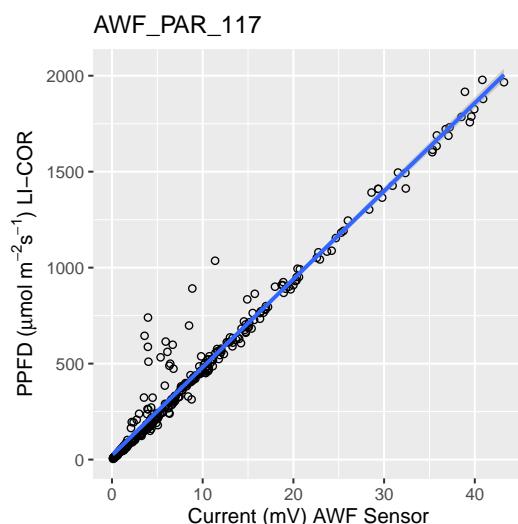
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_117 | 47.0778  | 0.3304     | 142.49  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 79.9 PPFD

Adjusted R-squared: 0.984



# SENSOR:118

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.289**

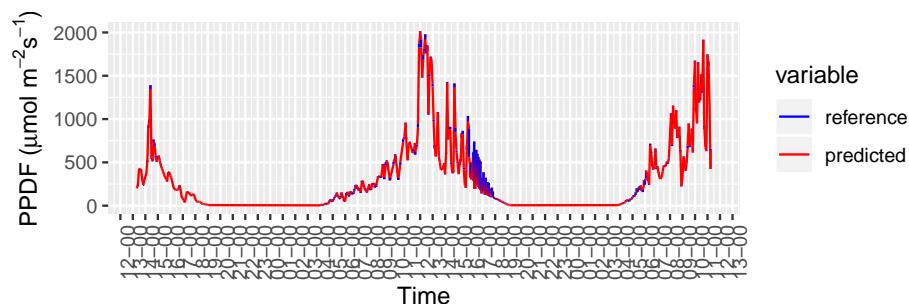
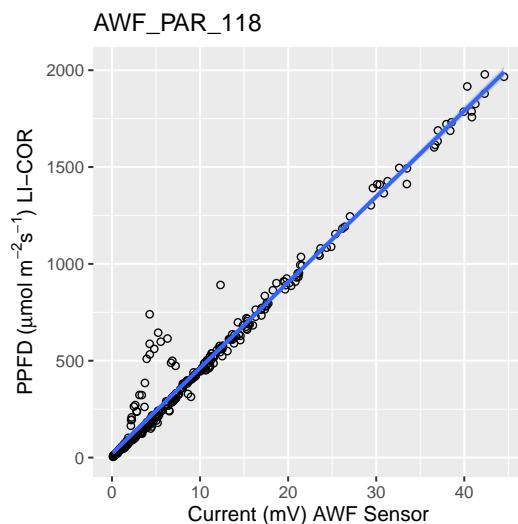
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_118 | 45.2888  | 0.2903     | 156.01  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 73.07 PPFD

Adjusted R-squared: 0.987



# SENSOR:119

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.159**

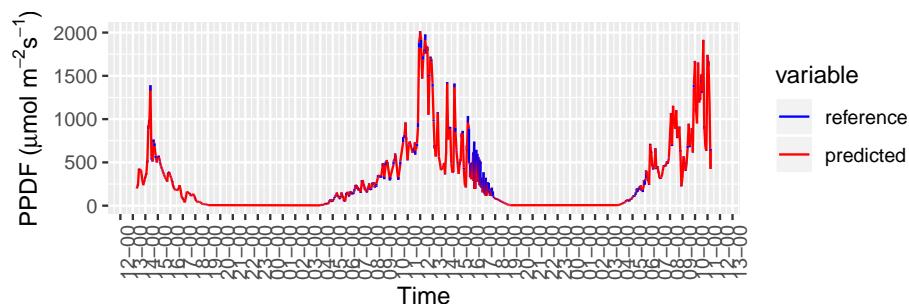
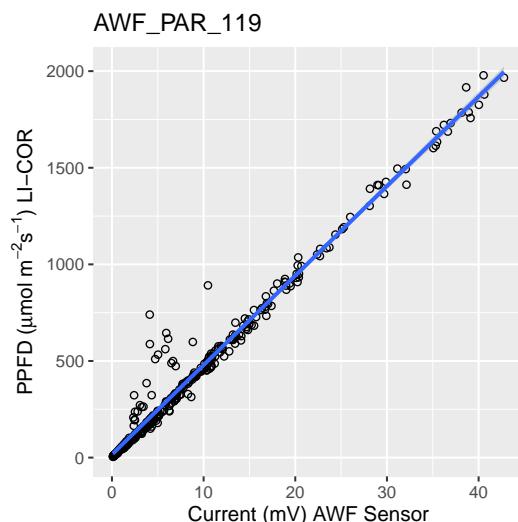
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_119 | 47.1592  | 0.2867     | 164.50  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 69.35 PPFD

Adjusted R-squared: 0.988



# SENSOR:120

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.553**

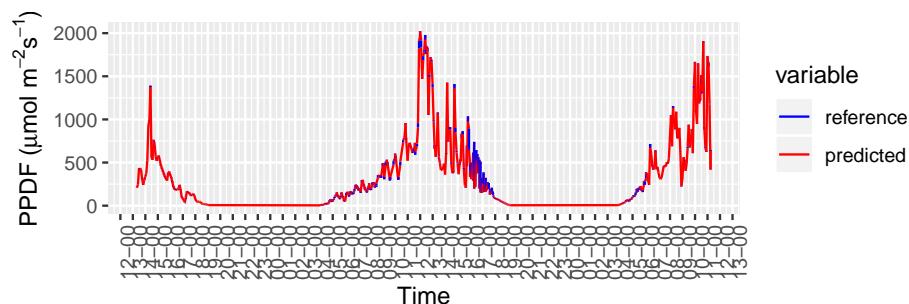
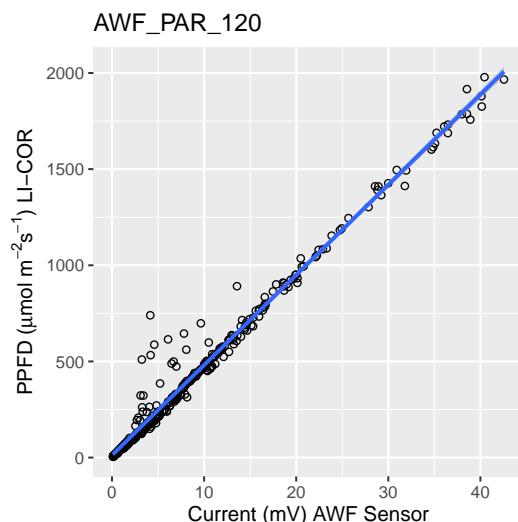
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_120 | 47.5526  | 0.2669     | 178.13  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.1 PPFD

Adjusted R-squared: 0.99



# SENSOR:121

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.293**

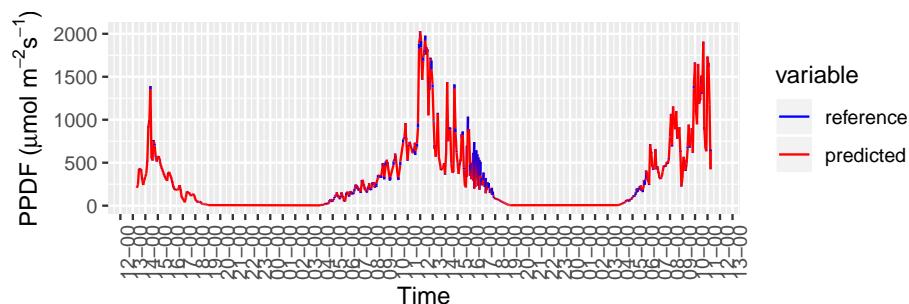
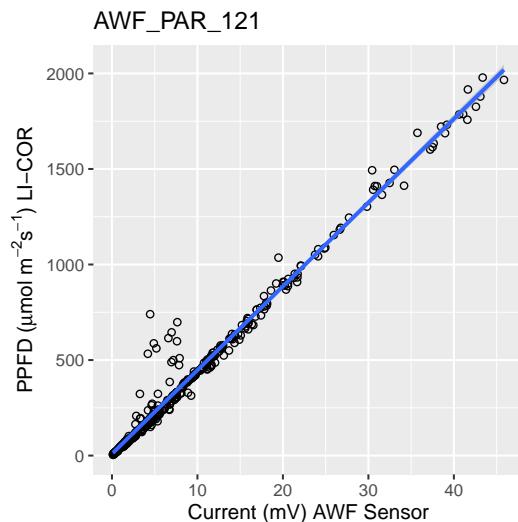
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_121 | 44.2926  | 0.2593     | 170.82  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 66.81 PPFD

Adjusted R-squared: 0.989



## SENSOR:122

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 47.119**

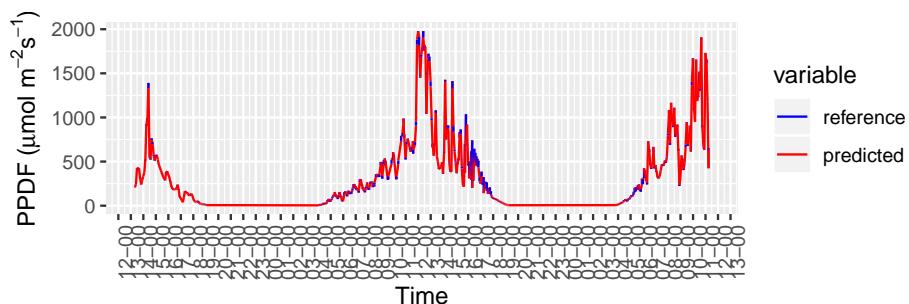
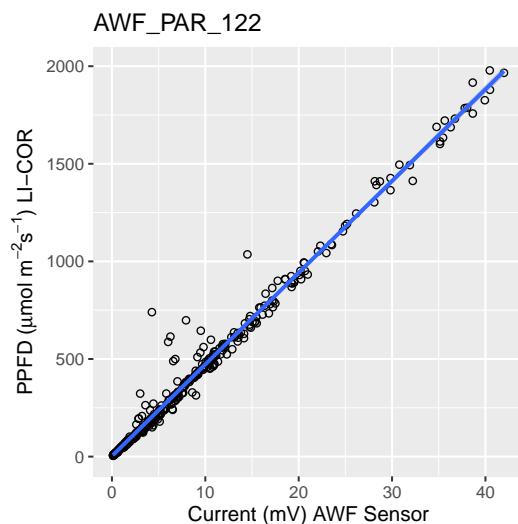
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_122 | 47.1188  | 0.2404     | 196.00  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 58.31 PPFD

Adjusted R-squared: 0.991



# SENSOR:123

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.694**

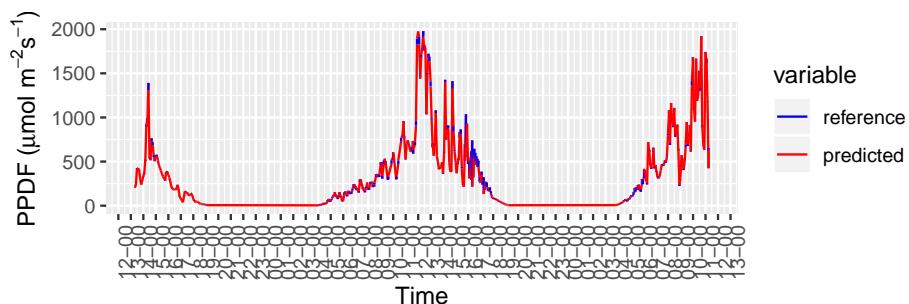
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_123 | 45.6945  | 0.2296     | 199.06  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.42 PPFD

Adjusted R-squared: 0.992



# SENSOR:124

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.445**

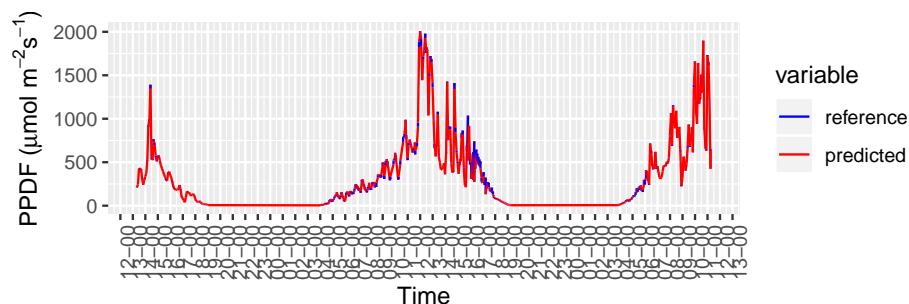
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_124 | 44.4450  | 0.2091     | 212.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 53.81 PPFD

Adjusted R-squared: 0.993



# SENSOR:125

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.679**

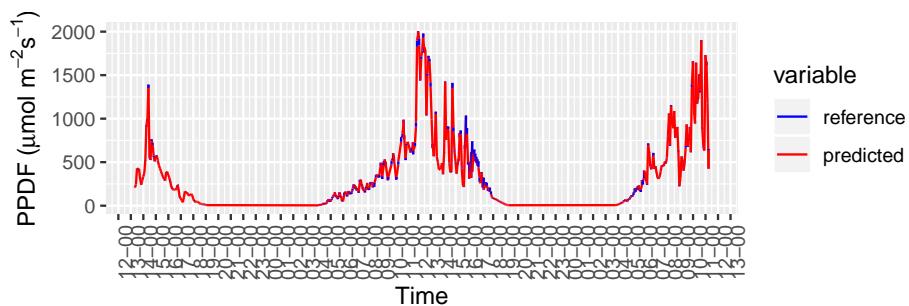
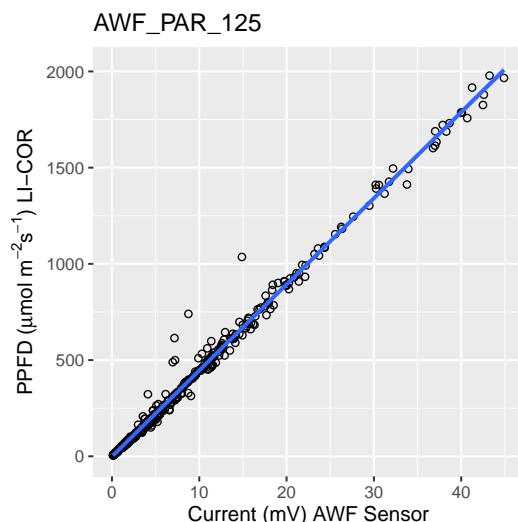
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_125 | 44.6793  | 0.1709     | 261.44  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 43.8 PPFD

Adjusted R-squared: 0.995



# SENSOR:126

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.848**

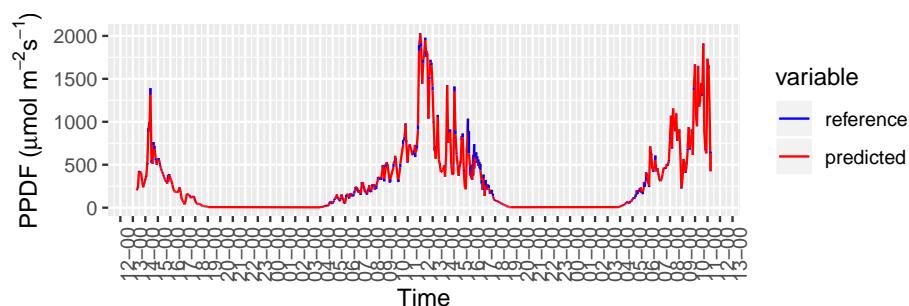
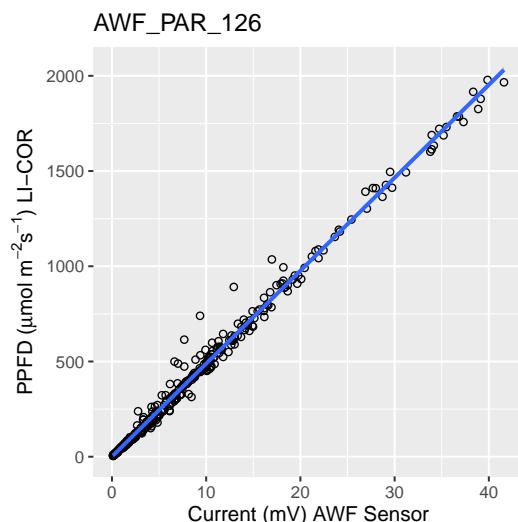
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_126 | 48.8482  | 0.1760     | 277.60  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.26 PPFD

Adjusted R-squared: 0.996



# SENSOR:127

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 333  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.264**

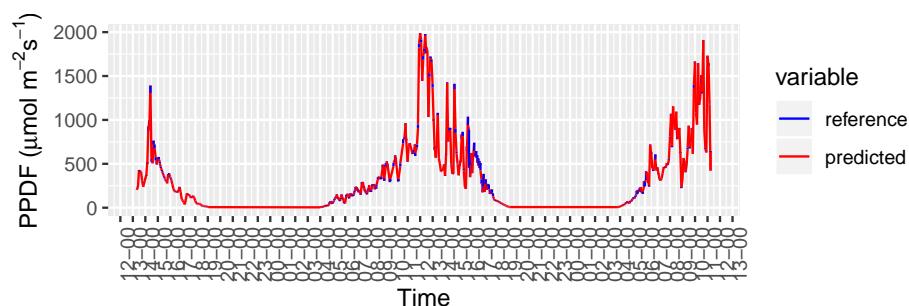
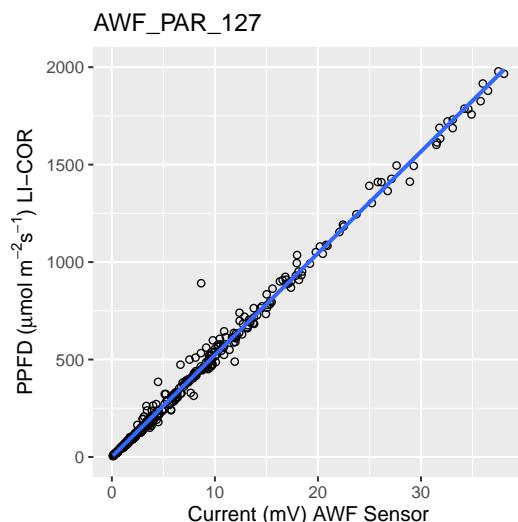
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_127 | 52.2645  | 0.1789     | 292.21  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.2 PPFD

Adjusted R-squared: 0.996



# SENSOR:128

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.396**

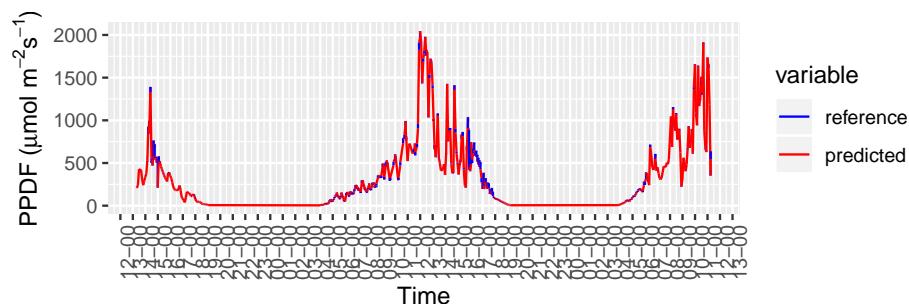
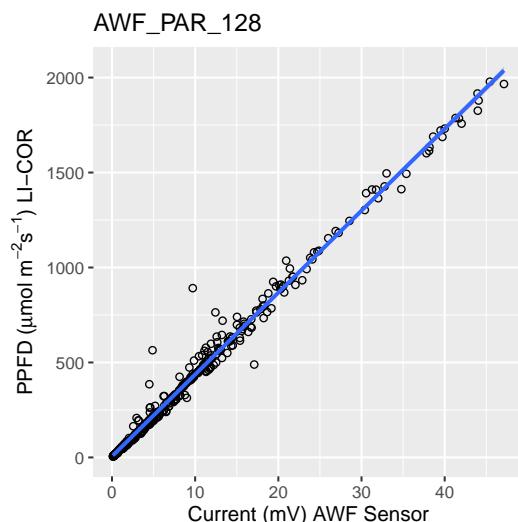
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_128 | 43.3960  | 0.1867     | 232.48  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 49.22 PPFD

Adjusted R-squared: 0.994



# SENSOR:129

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.462**

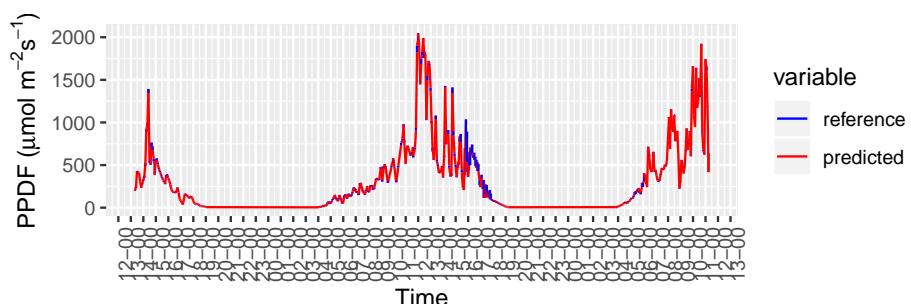
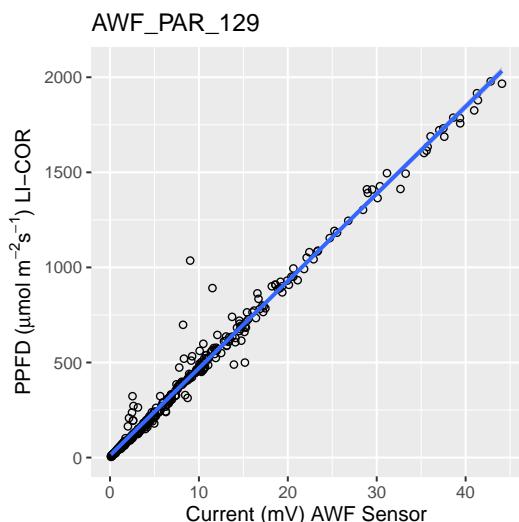
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_129 | 46.4624  | 0.2290     | 202.87  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.35 PPFD

Adjusted R-squared: 0.992



# SENSOR:130

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.941**

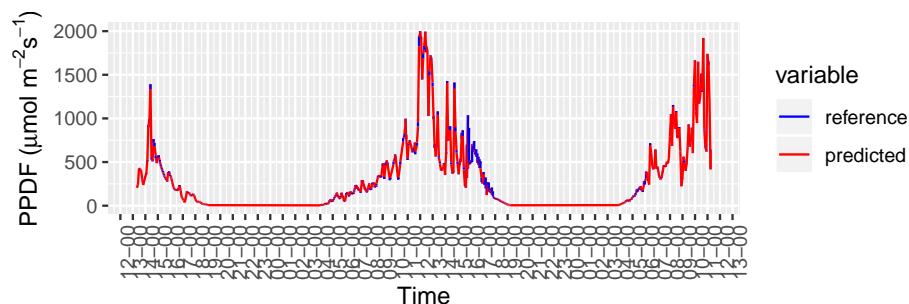
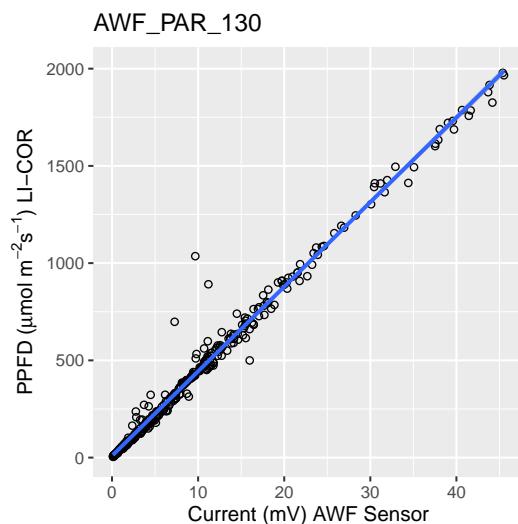
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_130 | 43.9414  | 0.2122     | 207.10  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 55.21 PPFD

Adjusted R-squared: 0.992



# SENSOR:131

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.456**

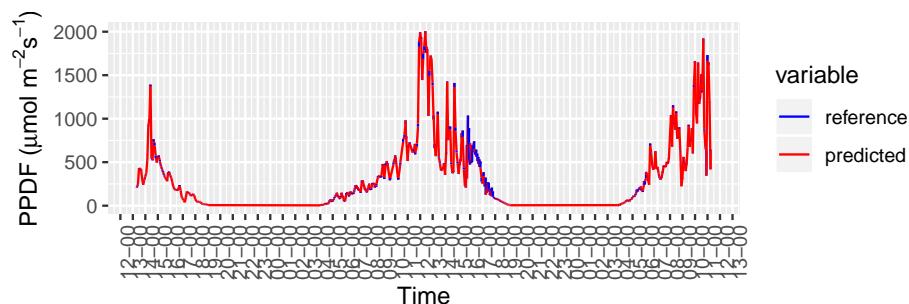
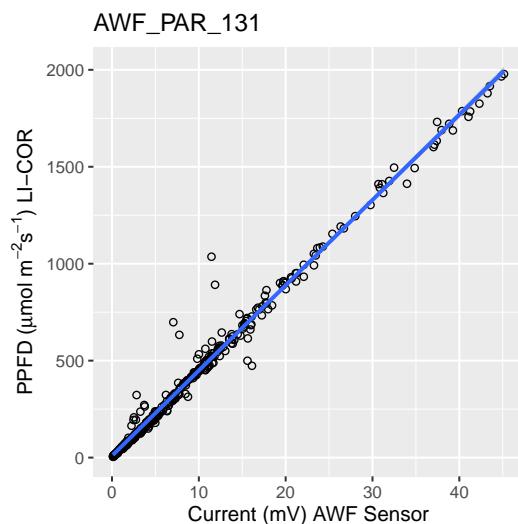
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_131 | 44.4557  | 0.2144     | 207.36  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 55.14 PPFD

Adjusted R-squared: 0.992



## SENSOR:132

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.189**

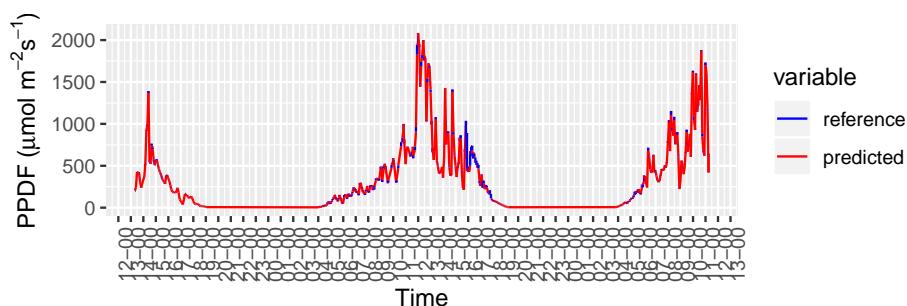
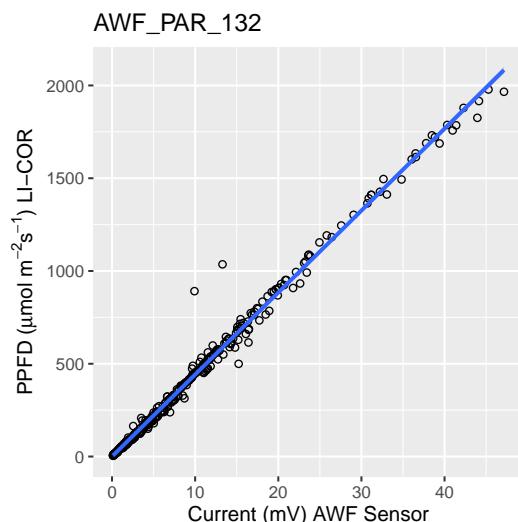
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_132 | 44.1886  | 0.1708     | 258.77  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 44.24 PPFD

Adjusted R-squared: 0.995



# SENSOR:133

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 335  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.079**

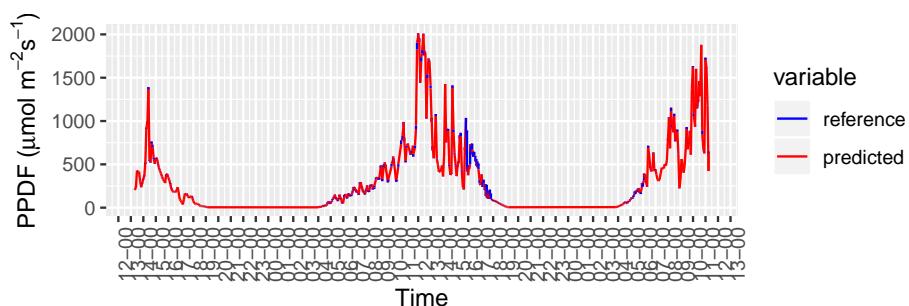
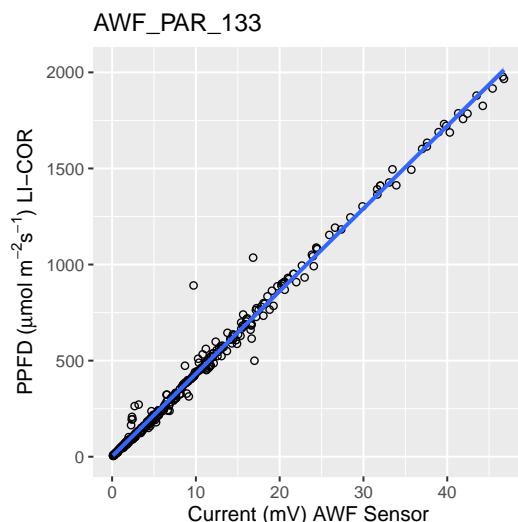
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_133 | 43.0789  | 0.1639     | 262.88  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 43.56 PPFD

Adjusted R-squared: 0.995



## SENSOR:134

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 333  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 49.26**

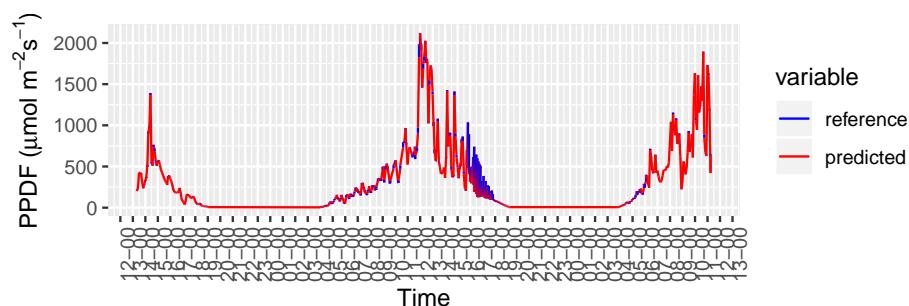
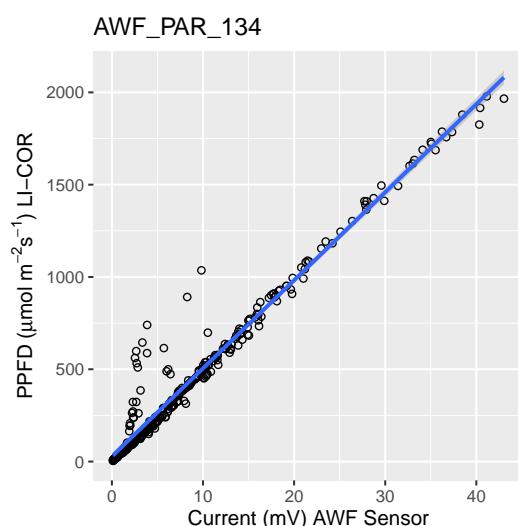
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_134 | 49.2605  | 0.3873     | 127.18  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 89.33 PPFD

Adjusted R-squared: 0.98



# SENSOR:135

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.366**

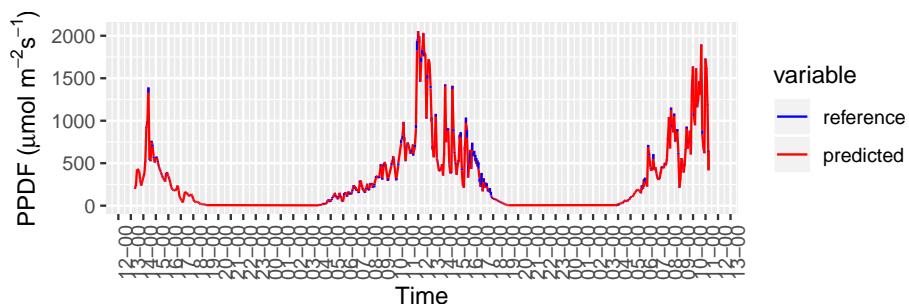
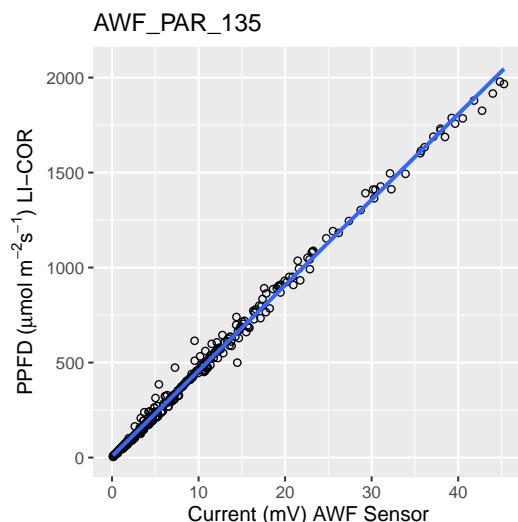
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_135 | 45.3663  | 0.1219     | 372.03  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 30.81 PPFD

Adjusted R-squared: 0.998



# SENSOR:136

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.418**

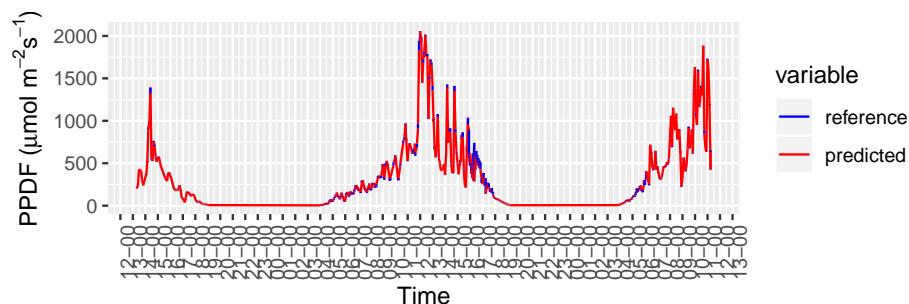
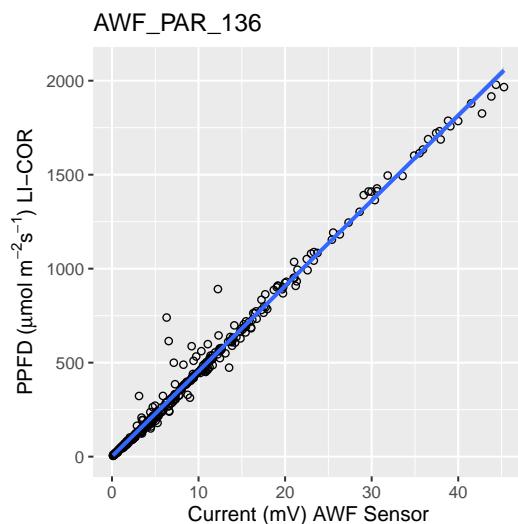
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_136 | 45.4184  | 0.1918     | 236.82  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 48.32 PPFD

Adjusted R-squared: 0.994



# SENSOR:137

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.494**

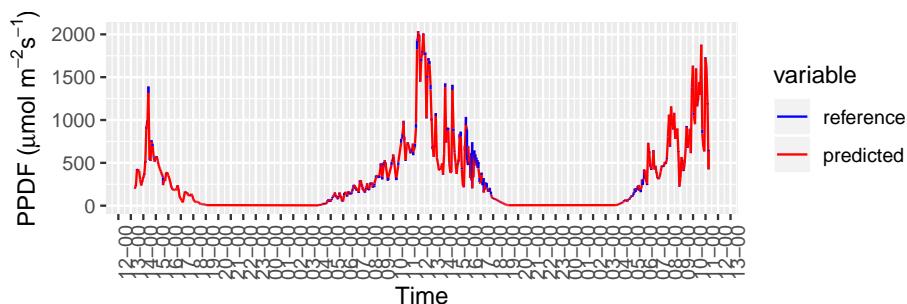
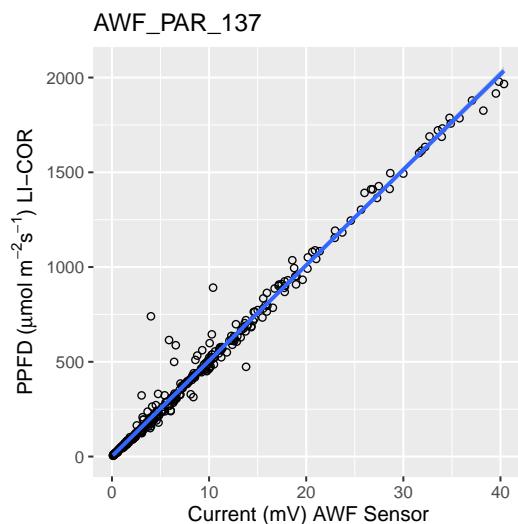
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_137 | 50.4940  | 0.2378     | 212.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 53.85 PPFD

Adjusted R-squared: 0.993



# SENSOR:138

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.308**

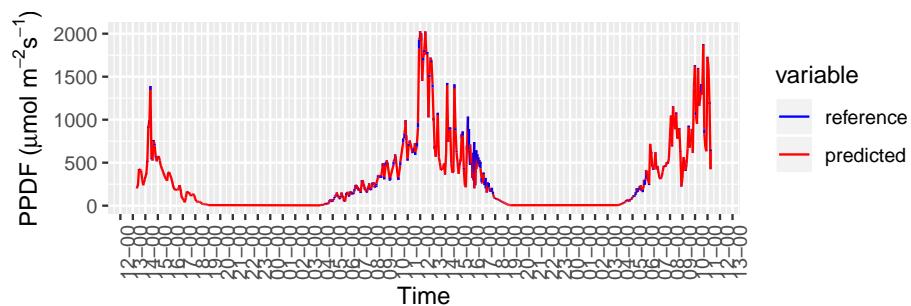
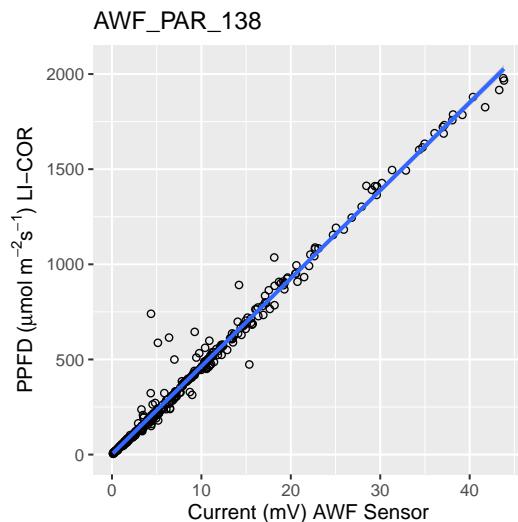
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_138 | 46.3082  | 0.2196     | 210.89  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 54.22 PPFD

Adjusted R-squared: 0.993



# SENSOR:139

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.208**

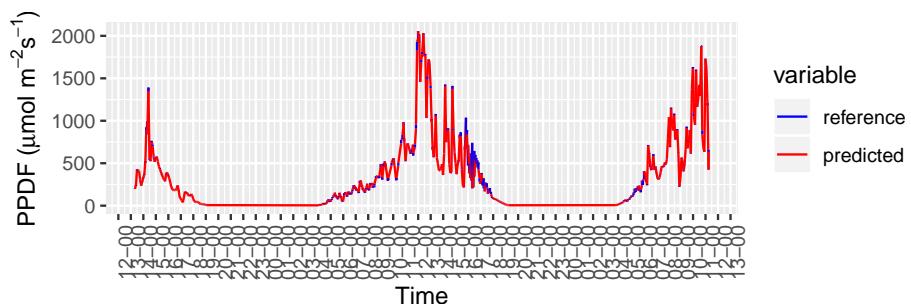
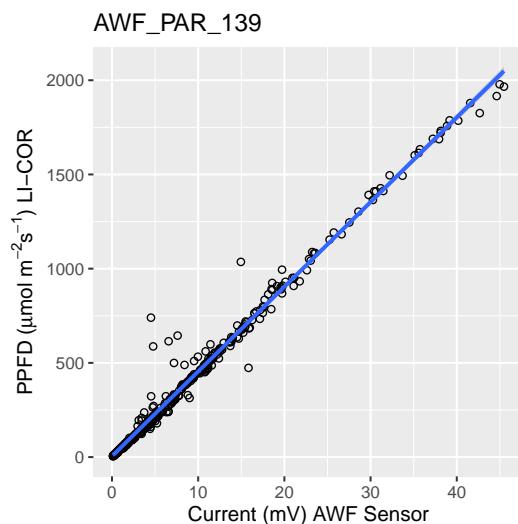
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_139 | 45.2081  | 0.2241     | 201.74  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.66 PPFD

Adjusted R-squared: 0.992



# SENSOR:140

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.369**

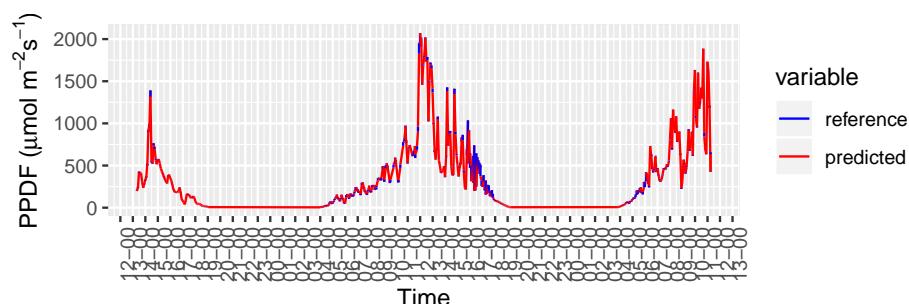
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_140 | 44.3692  | 0.2511     | 176.73  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 64.6 PPFD

Adjusted R-squared: 0.989



# SENSOR:141

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 336  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.162**

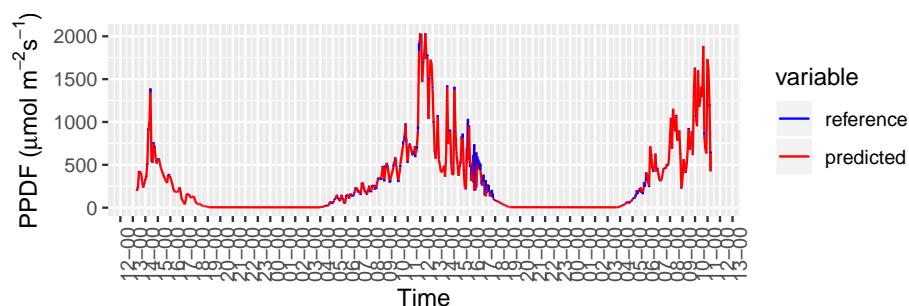
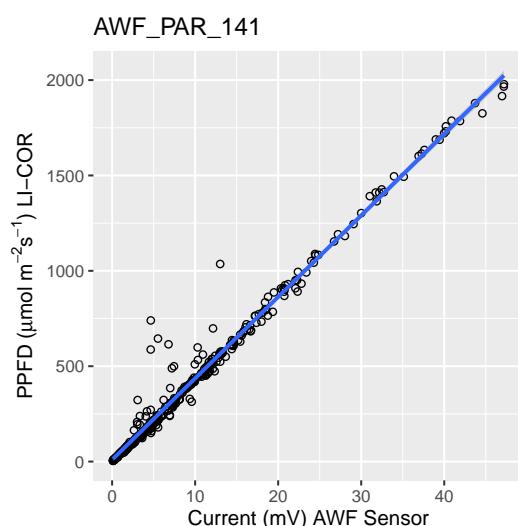
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_141 | 43.1620  | 0.2367     | 182.33  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 62.64 PPFD

Adjusted R-squared: 0.99



## SENSOR:142

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 335  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.61**

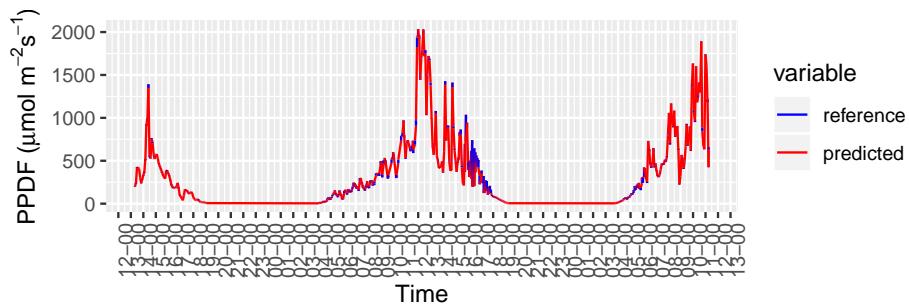
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_142 | 44.6104  | 0.2514     | 177.43  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 64.35 PPFD

Adjusted R-squared: 0.99



# SENSOR:143

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 336  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.973**

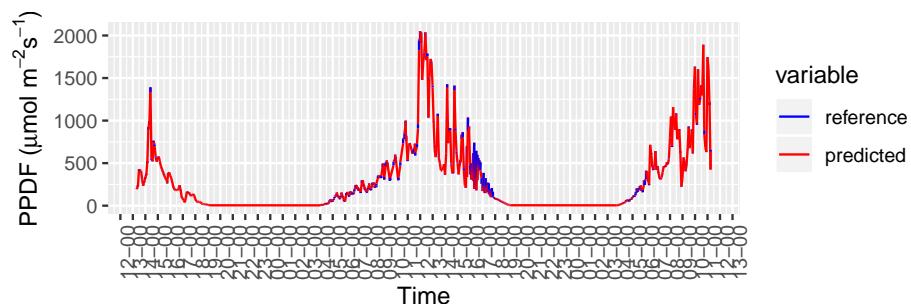
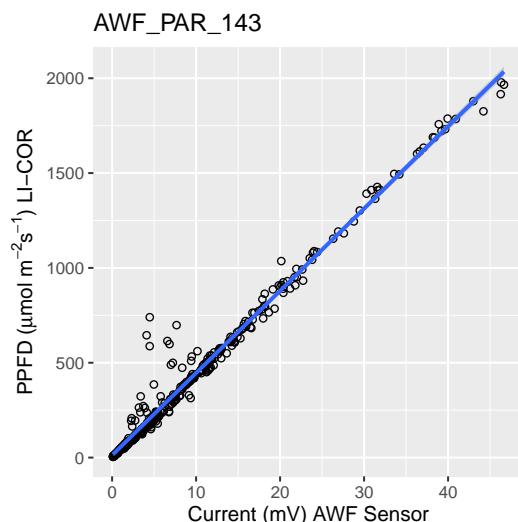
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_143 | 43.9732  | 0.2532     | 173.65  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.73 PPFD

Adjusted R-squared: 0.989



## SENSOR:144

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 45.444**

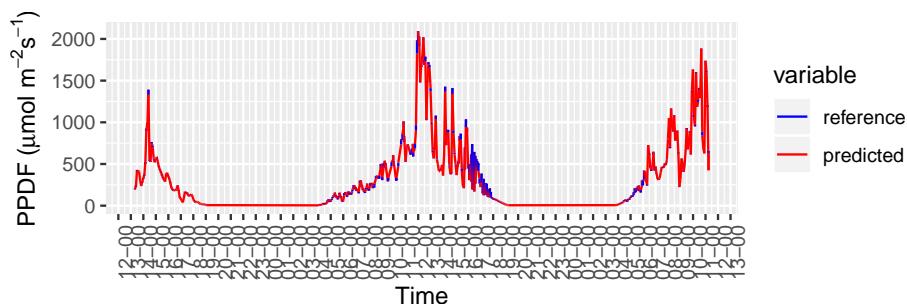
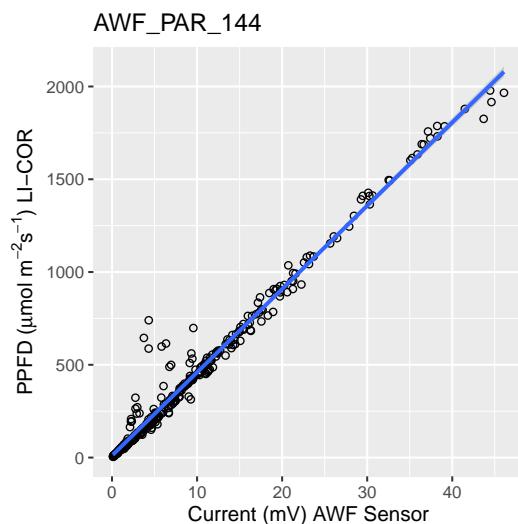
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_144 | 45.4441  | 0.2648     | 171.60  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 66.51 PPFD

Adjusted R-squared: 0.989



## SENSOR:145

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 45.067**

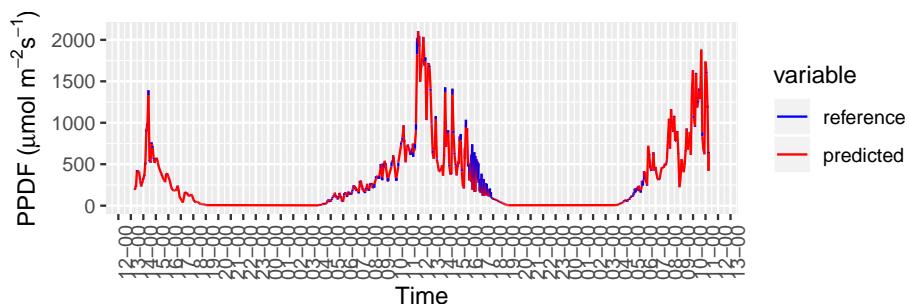
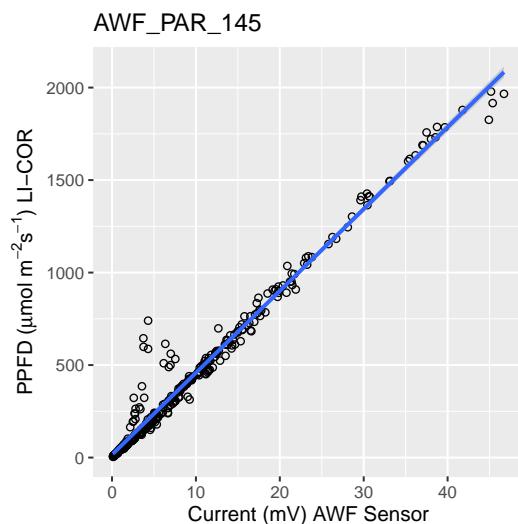
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_145 | 45.0674  | 0.2820     | 159.80  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 71.36 PPFD

Adjusted R-squared: 0.987



# SENSOR:146

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 336  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.268**

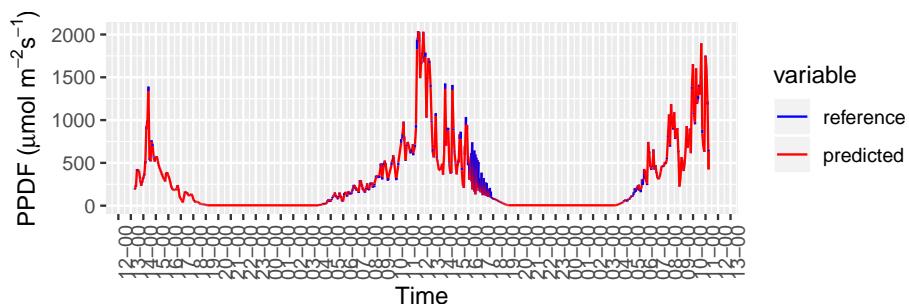
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_146 | 43.2681  | 0.2818     | 153.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 74.23 PPFD

Adjusted R-squared: 0.986



# SENSOR:147

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.011**

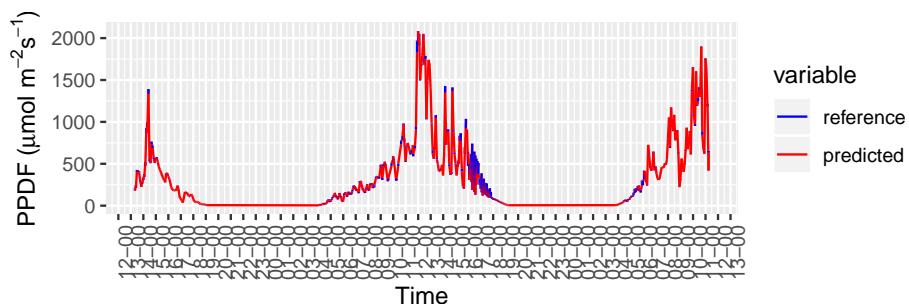
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_147 | 45.0113  | 0.2802     | 160.64  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 70.99 PPFD

Adjusted R-squared: 0.987



# SENSOR:148

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.528**

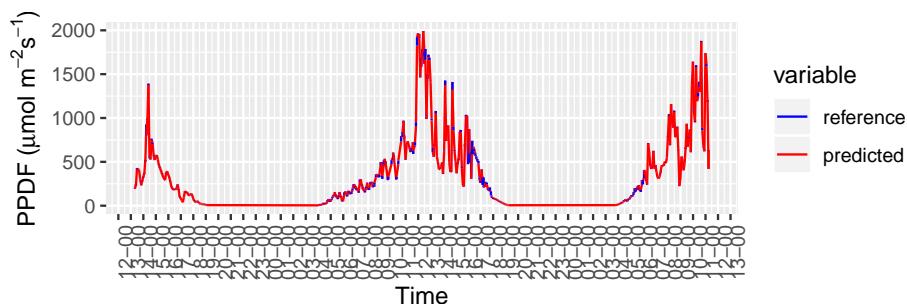
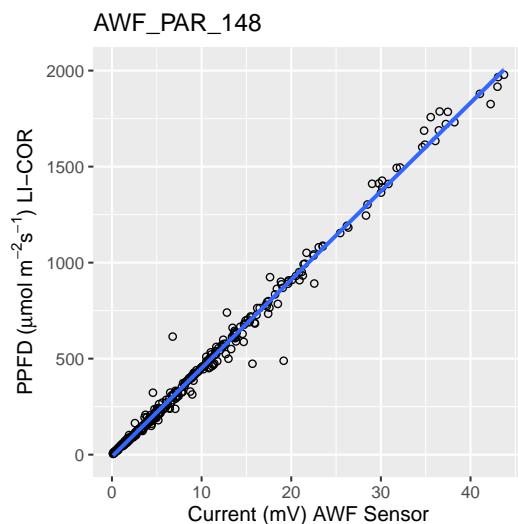
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_148 | 45.5277  | 0.1697     | 268.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 42.67 PPFD

Adjusted R-squared: 0.995



# SENSOR:149

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.307**

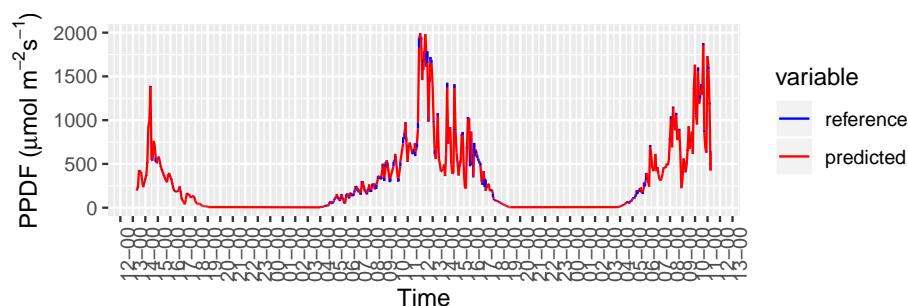
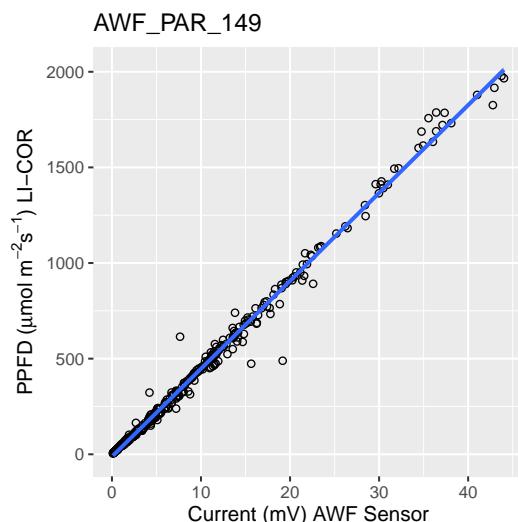
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_149 | 45.3070  | 0.1650     | 274.59  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.71 PPFD

Adjusted R-squared: 0.996



# SENSOR:150

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.254**

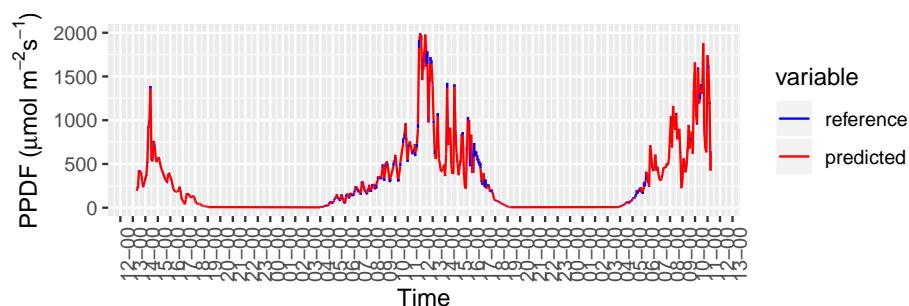
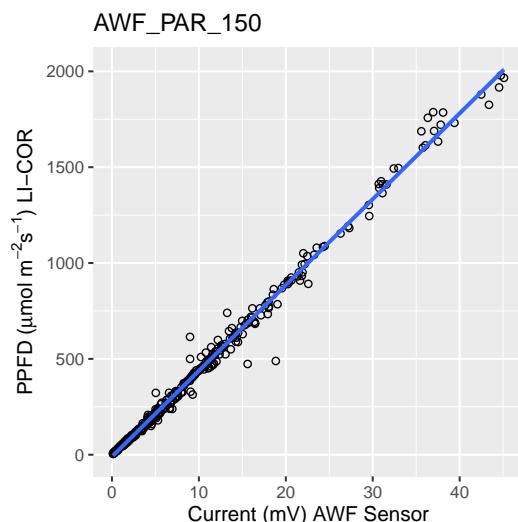
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_150 | 44.2544  | 0.1533     | 288.66  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.68 PPFD

Adjusted R-squared: 0.996



# SENSOR:151

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.003**

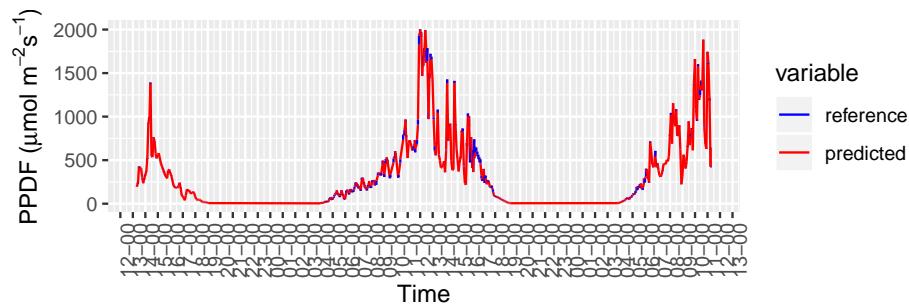
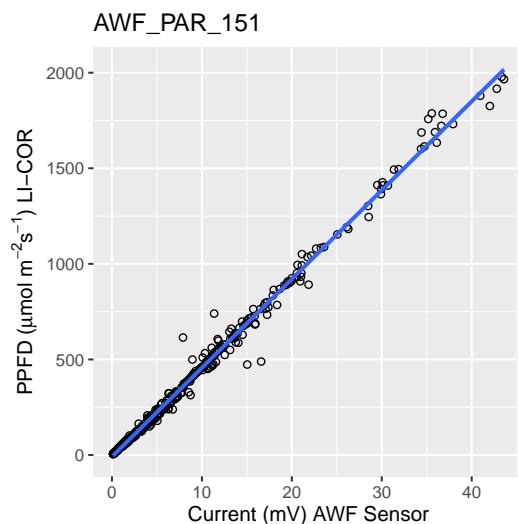
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_151 | 46.0035  | 0.1552     | 296.46  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 38.64 PPFD

Adjusted R-squared: 0.996



## SENSOR:152

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 45.686**

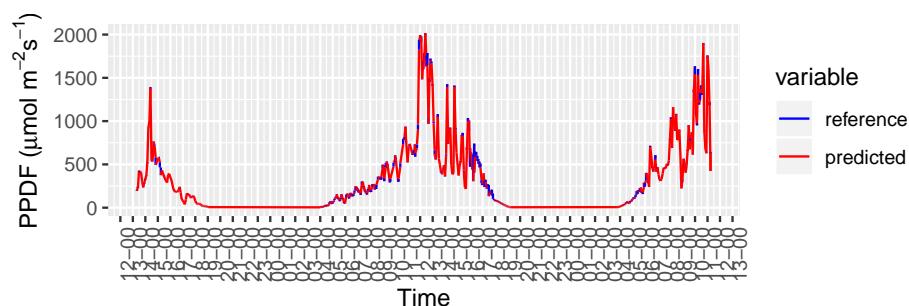
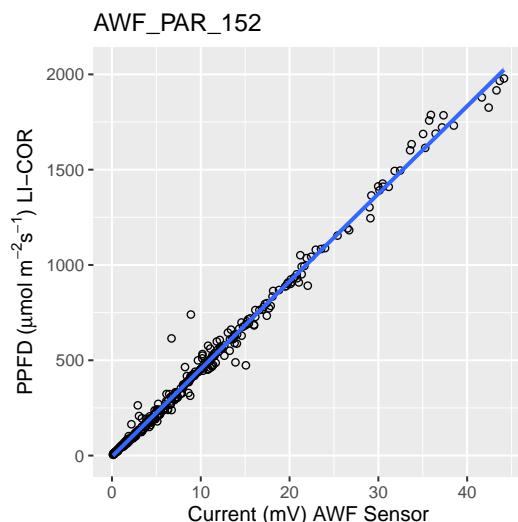
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_152 | 45.6856  | 0.1670     | 273.64  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 41.85 PPFD

Adjusted R-squared: 0.996



# SENSOR:153

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 335  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.475**

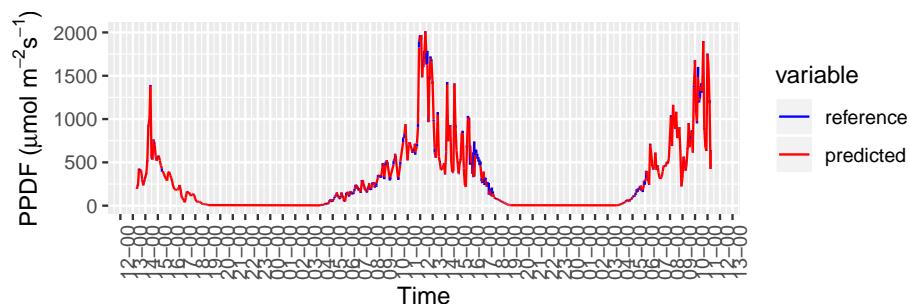
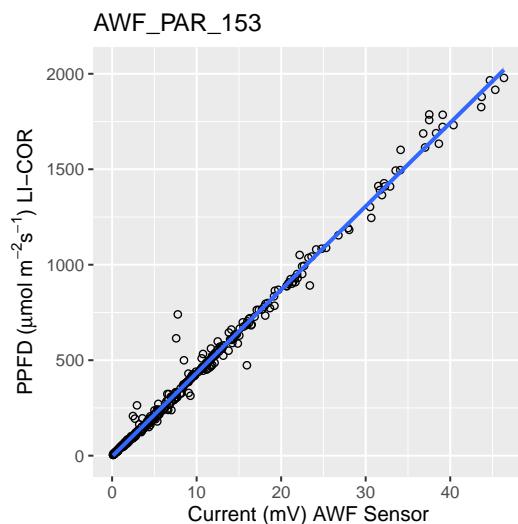
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_153 | 43.4749  | 0.1586     | 274.05  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.79 PPFD

Adjusted R-squared: 0.996



# SENSOR:154

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.509**

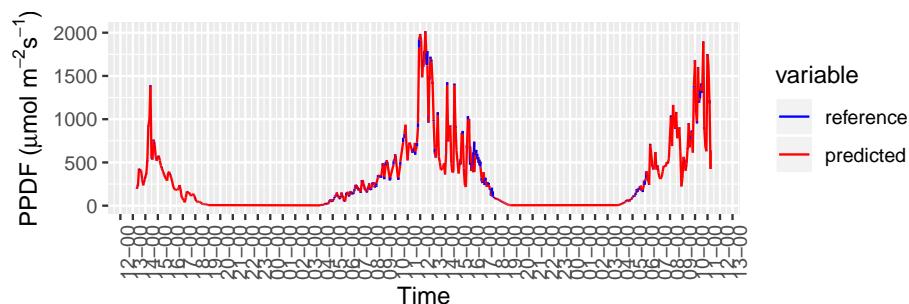
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_154 | 47.5094  | 0.1587     | 299.38  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 38.27 PPFD

Adjusted R-squared: 0.996



# SENSOR:155

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 336  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 42.344**

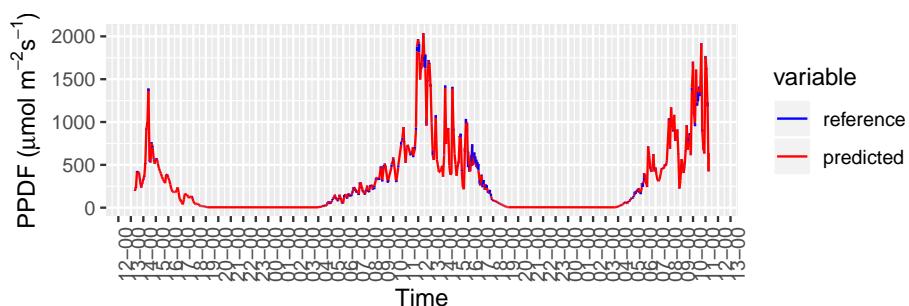
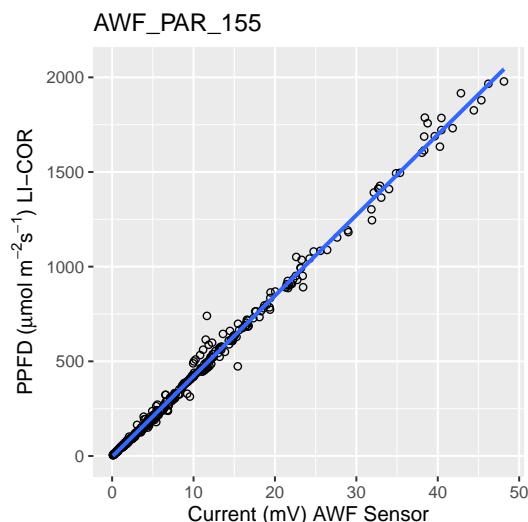
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_155 | 42.3441  | 0.1224     | 346.01  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 33.13 PPFD

Adjusted R-squared: 0.997



# SENSOR:156

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.716**

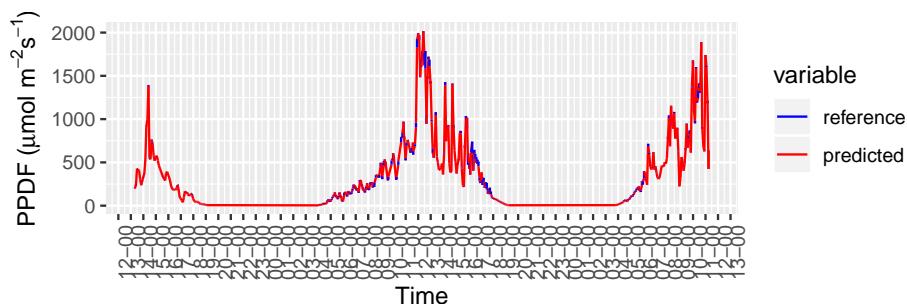
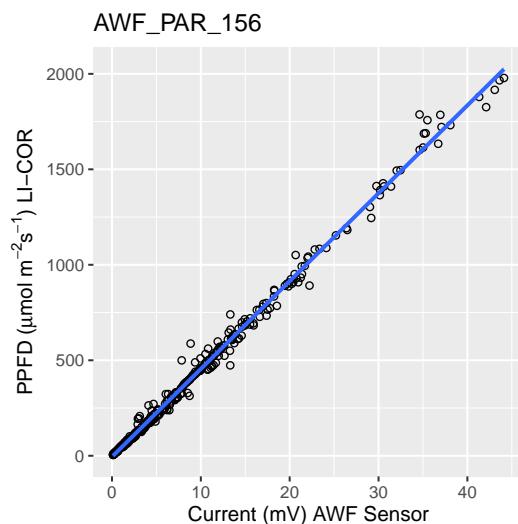
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_156 | 45.7163  | 0.1358     | 336.65  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 34.04 PPFD

Adjusted R-squared: 0.997



# SENSOR:157

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.615**

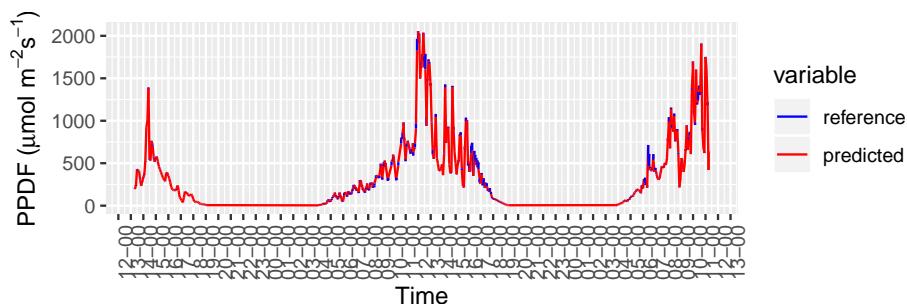
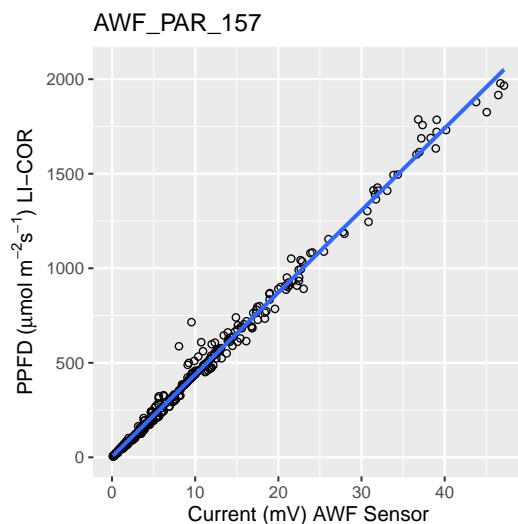
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_157 | 43.6152  | 0.1514     | 288.08  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.76 PPFD

Adjusted R-squared: 0.996



# SENSOR:158

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.285**

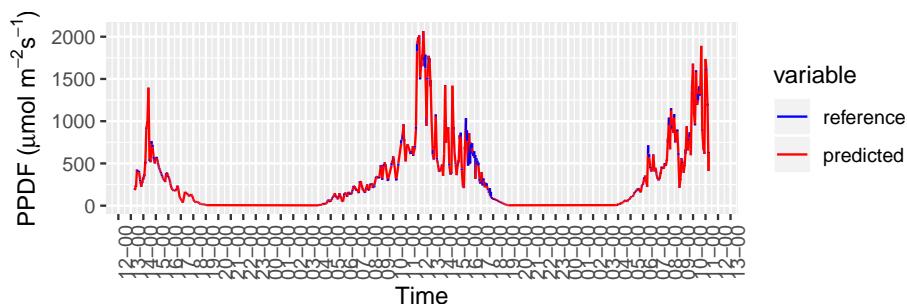
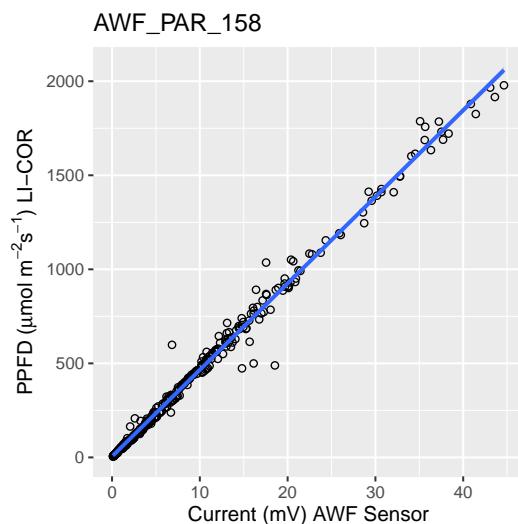
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_158 | 46.2854  | 0.1798     | 257.50  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 44.46 PPFD

Adjusted R-squared: 0.995



# SENSOR:159

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.627**

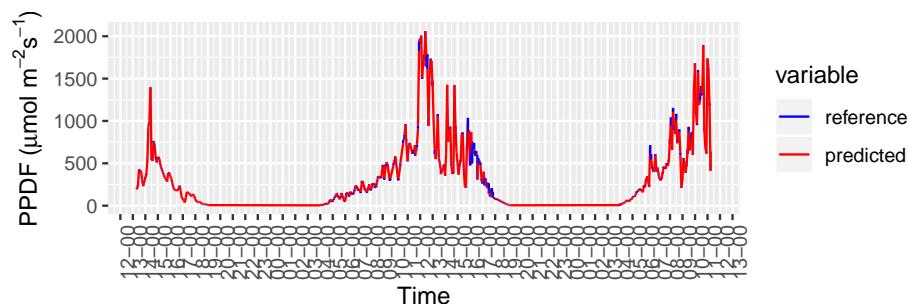
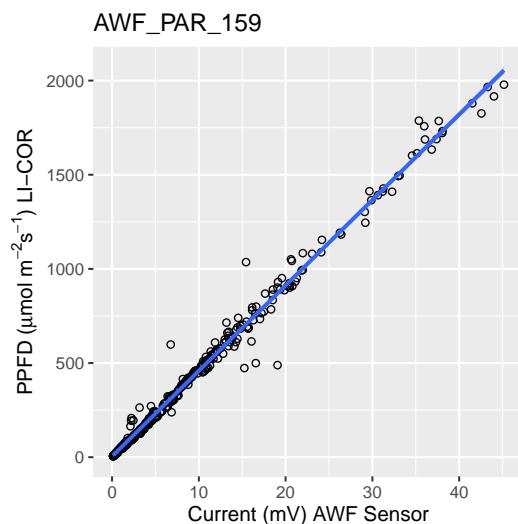
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_159 | 45.6275  | 0.1924     | 237.13  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 48.26 PPFD

Adjusted R-squared: 0.994



# SENSOR:160

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.853**

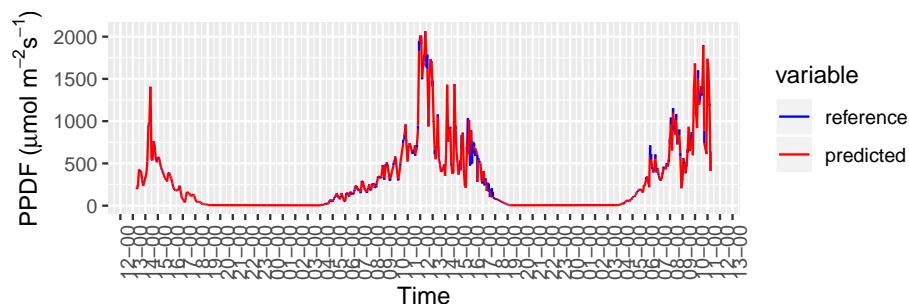
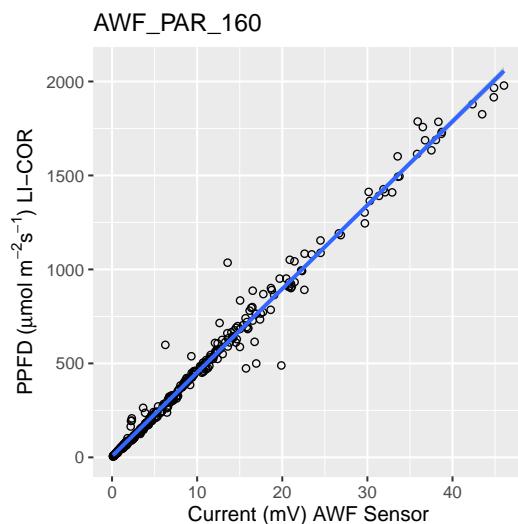
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_160 | 44.8531  | 0.2139     | 209.71  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 54.52 PPFD

Adjusted R-squared: 0.992



# SENSOR:161

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.589**

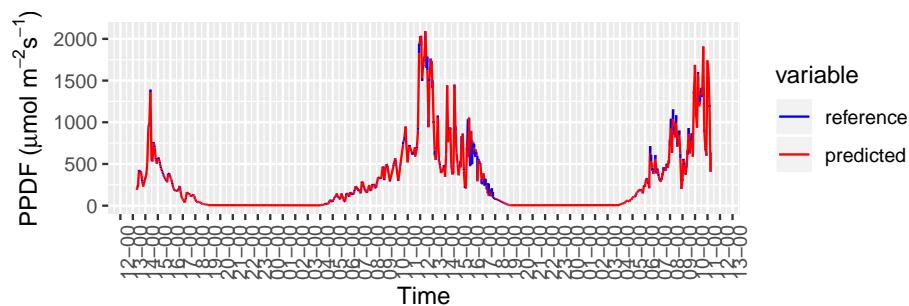
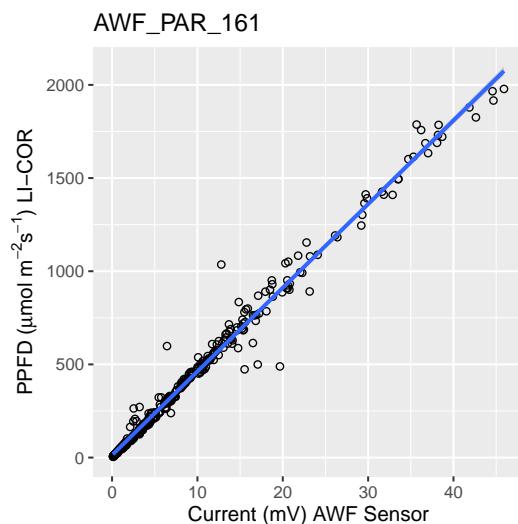
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_161 | 45.5888  | 0.2256     | 202.06  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.57 PPFD

Adjusted R-squared: 0.992



# SENSOR:162

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 333  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.629**

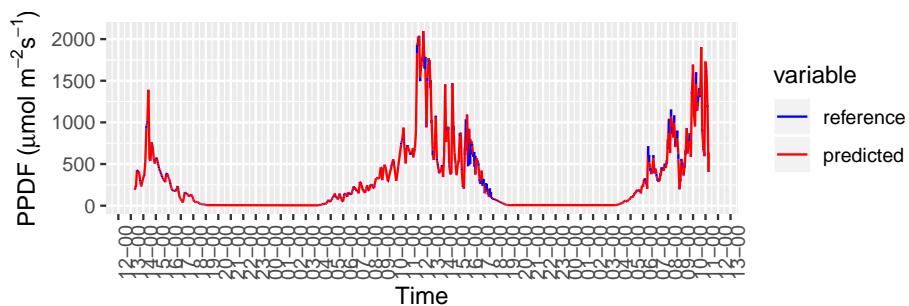
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_162 | 46.6288  | 0.2308     | 202.06  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.57 PPFD

Adjusted R-squared: 0.992



# SENSOR:163

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 333  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.637**

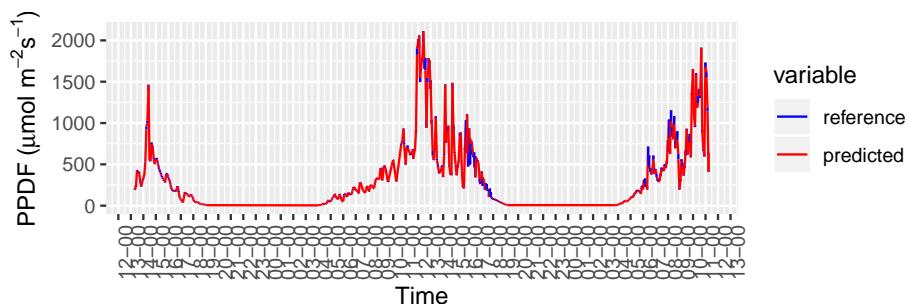
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_163 | 46.6368  | 0.2511     | 185.74  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 61.5 PPFD

Adjusted R-squared: 0.99



# SENSOR:164

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.757**

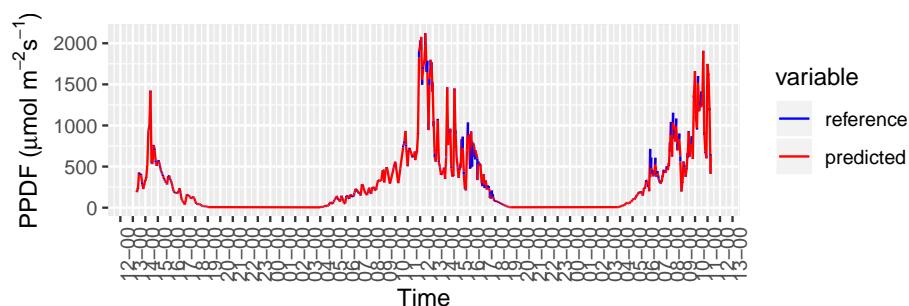
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_164 | 43.7570  | 0.2188     | 200.02  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.14 PPFD

Adjusted R-squared: 0.992



# SENSOR:165

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 333  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.914**

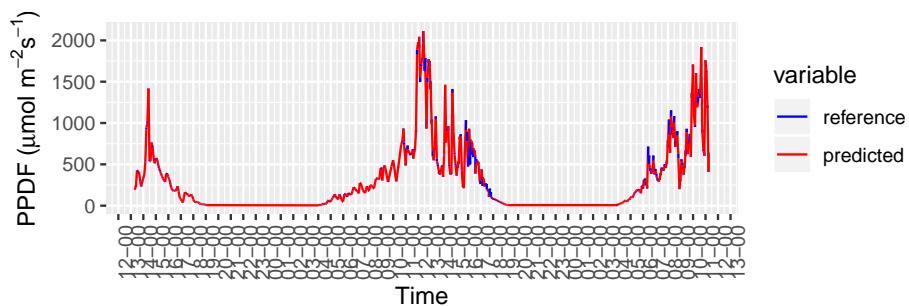
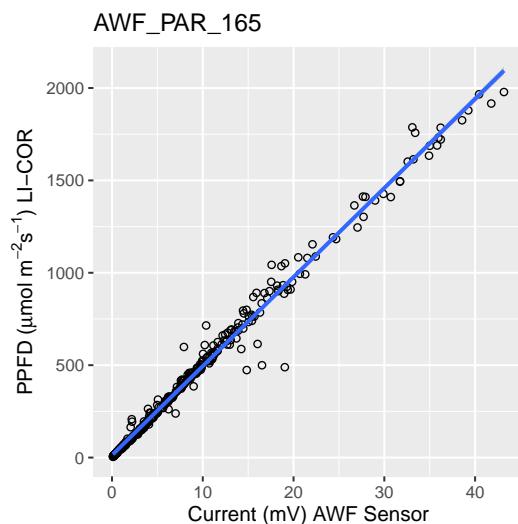
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_165 | 48.9138  | 0.2224     | 219.90  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 52.02 PPFD

Adjusted R-squared: 0.993



# SENSOR:166

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.344**

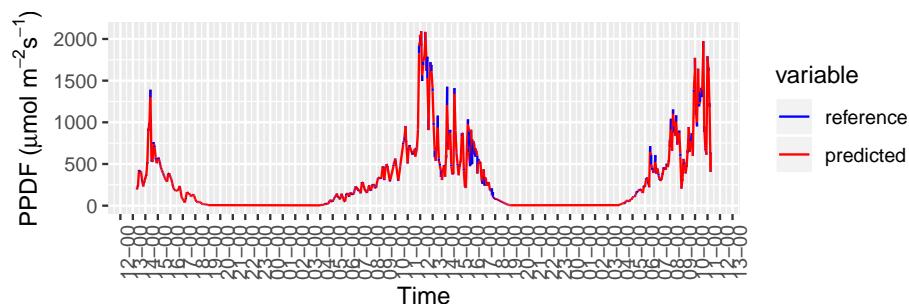
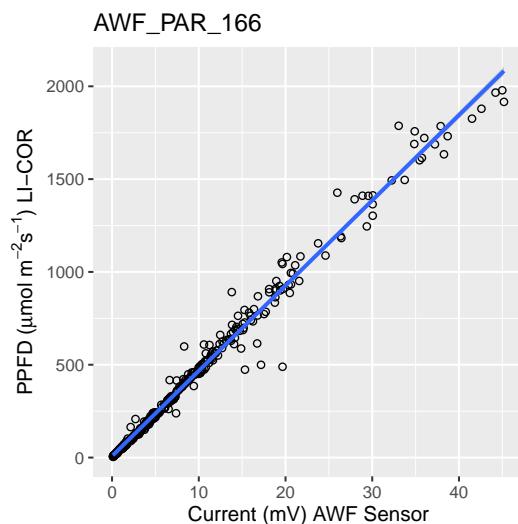
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_166 | 46.3439  | 0.2233     | 207.56  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 55.09 PPFD

Adjusted R-squared: 0.992



# SENSOR:167

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.845**

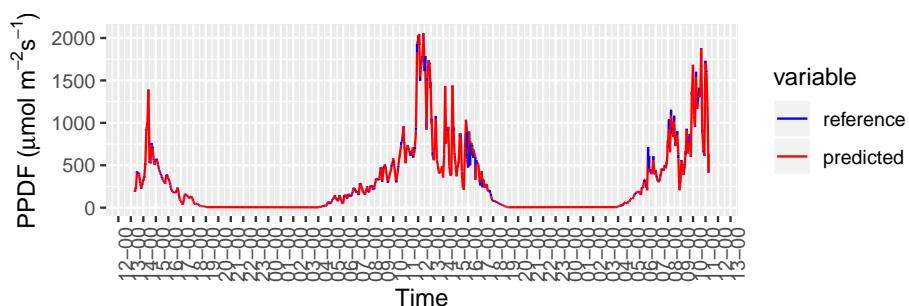
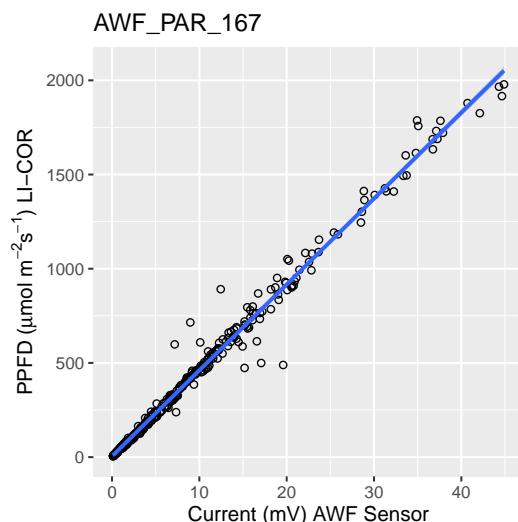
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_167 | 45.8453  | 0.2109     | 217.39  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 52.61 PPFD

Adjusted R-squared: 0.993



# SENSOR:168

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.79**

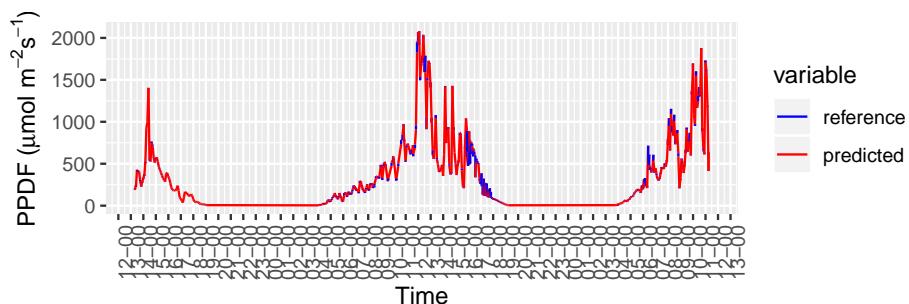
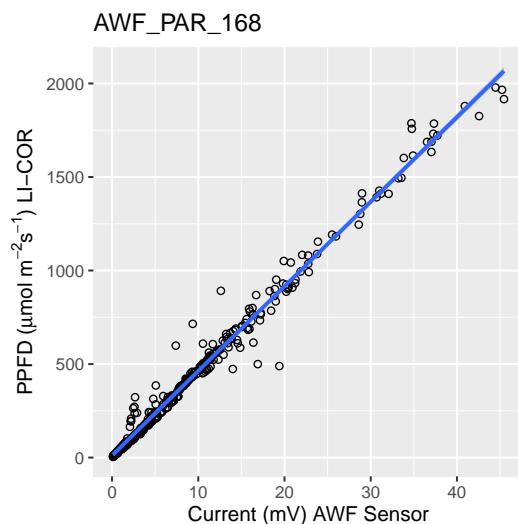
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_168 | 45.7903  | 0.2265     | 202.12  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 56.56 PPFD

Adjusted R-squared: 0.992



# SENSOR:169

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.322**

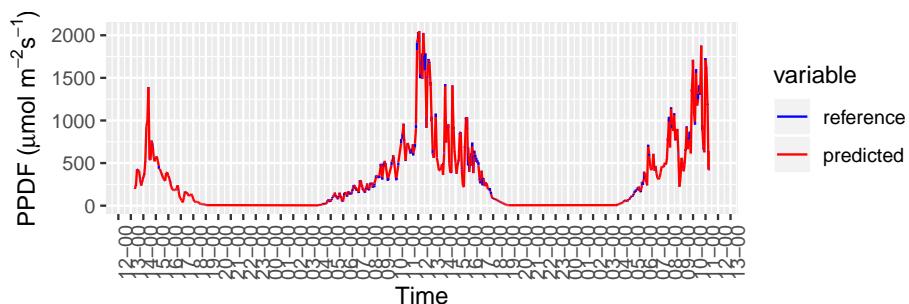
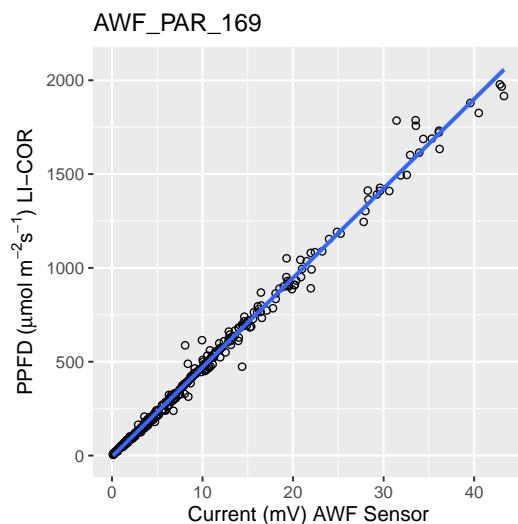
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_169 | 47.3220  | 0.1612     | 293.59  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.02 PPFD

Adjusted R-squared: 0.996



# SENSOR:170

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.415**

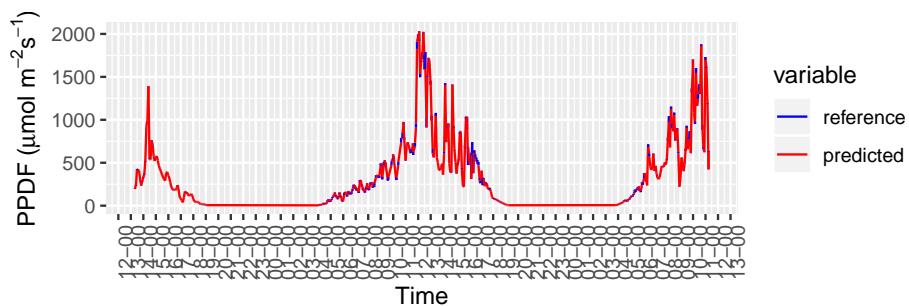
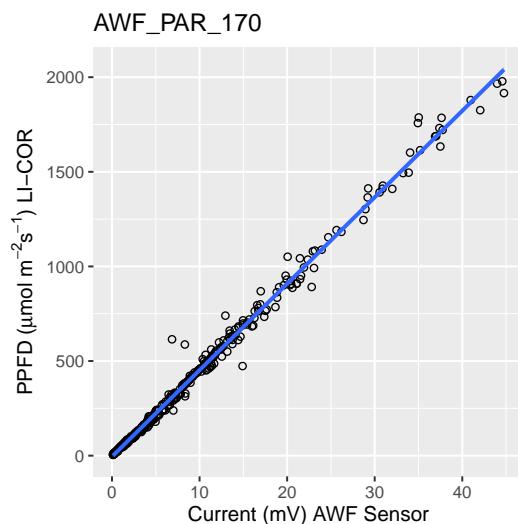
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_170 | 45.4153  | 0.1551     | 292.85  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.12 PPFD

Adjusted R-squared: 0.996



# SENSOR:171

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.022**

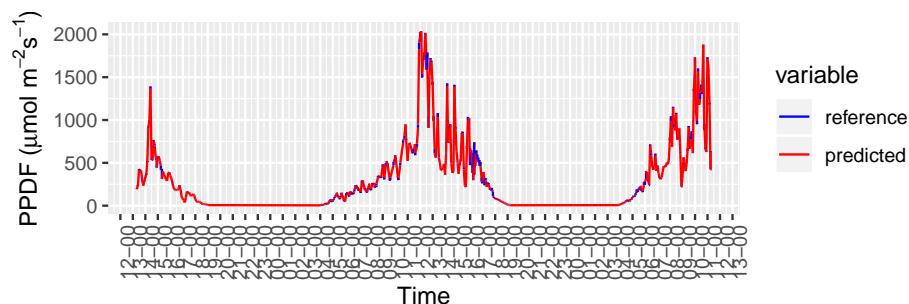
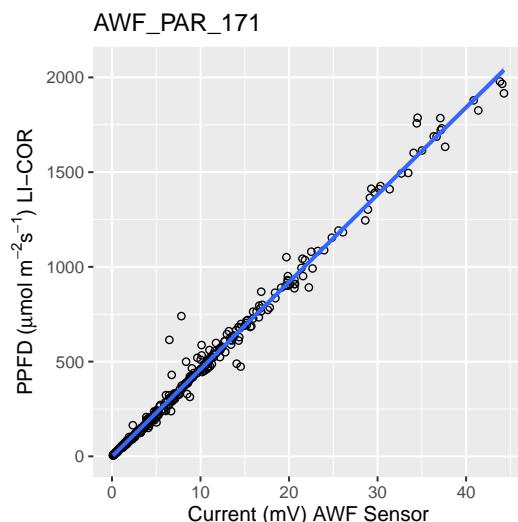
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_171 | 46.0224  | 0.1786     | 257.72  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 44.42 PPFD

Adjusted R-squared: 0.995



## SENSOR:172

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.296**

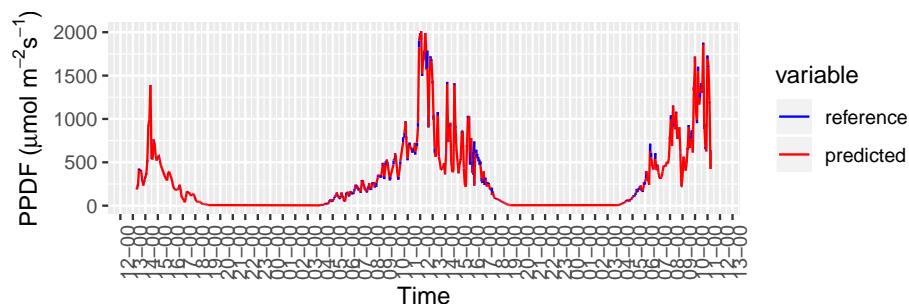
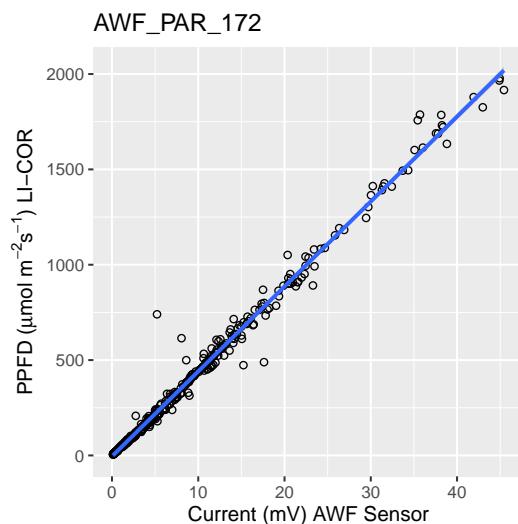
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_172 | 44.2955  | 0.1904     | 232.60  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 49.19 PPFD

Adjusted R-squared: 0.994



# SENSOR:173

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 335  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 43.872**

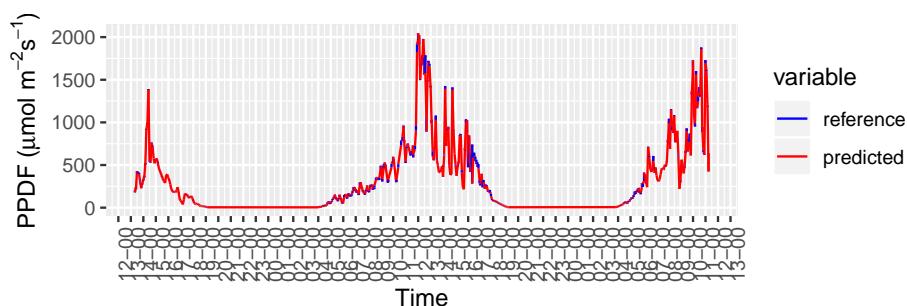
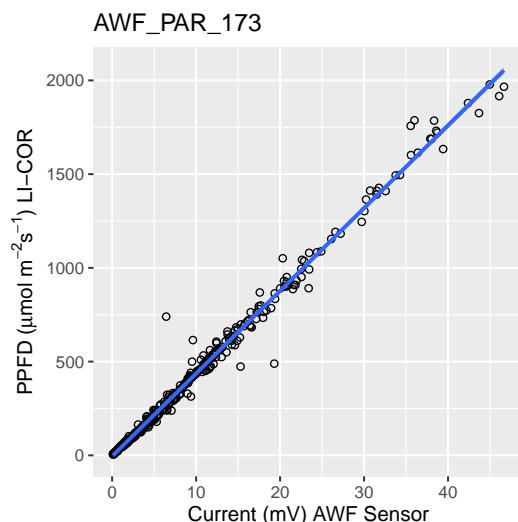
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_173 | 43.8722  | 0.1843     | 238.09  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 48.07 PPFD

Adjusted R-squared: 0.994



# SENSOR:174

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.686**

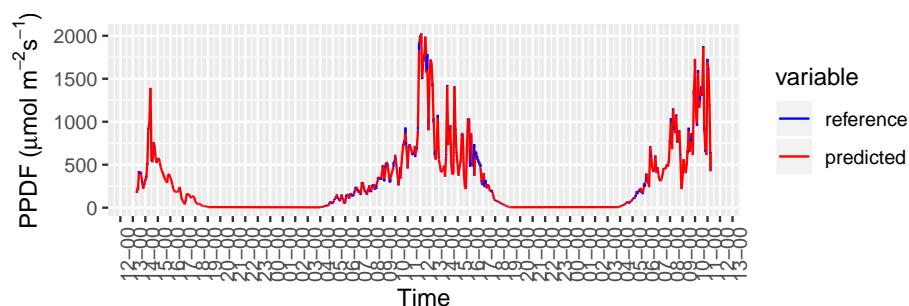
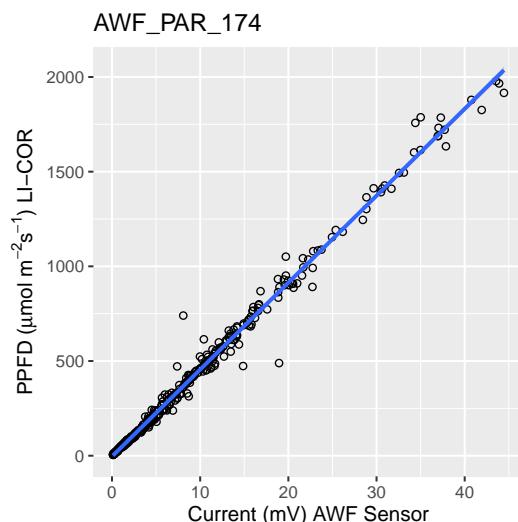
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_174 | 45.6856  | 0.1824     | 250.43  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 45.71 PPFD

Adjusted R-squared: 0.995



# SENSOR:175

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.951**

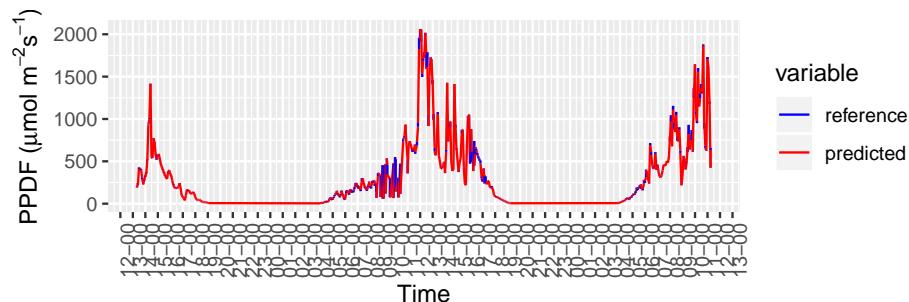
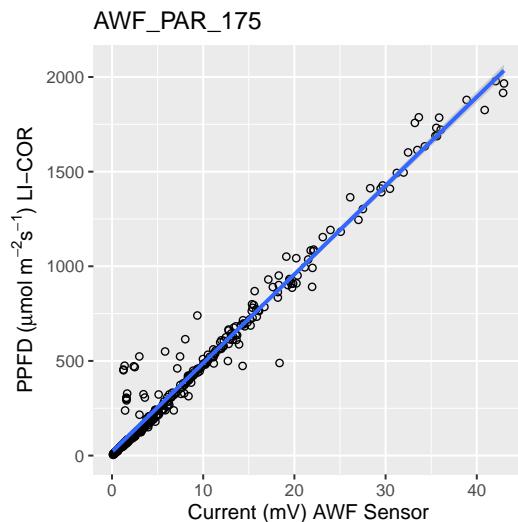
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_175 | 47.9511  | 0.3277     | 146.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 77.83 PPFD

Adjusted R-squared: 0.985



# SENSOR:176

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.954**

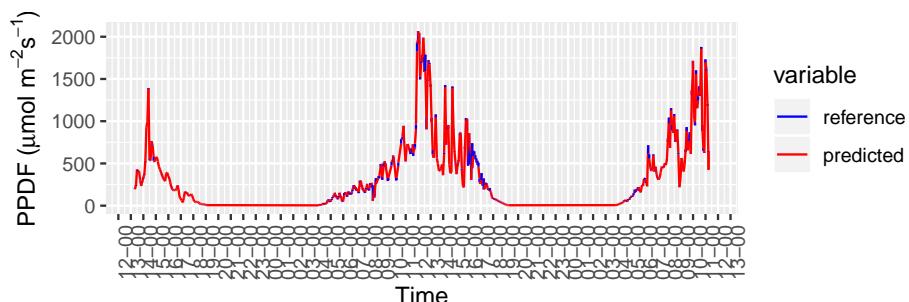
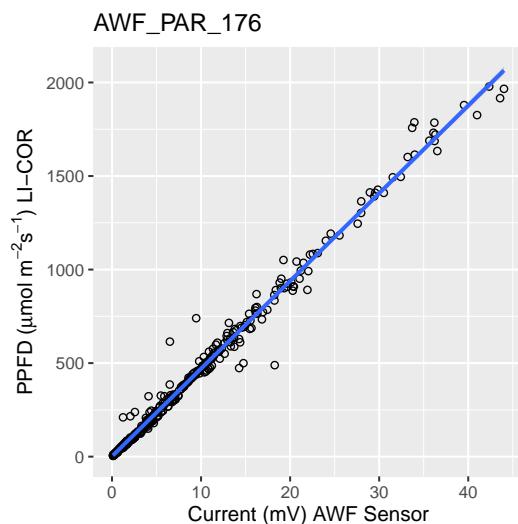
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_176 | 46.9536  | 0.2011     | 233.44  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 49.02 PPFD

Adjusted R-squared: 0.994



# SENSOR:177

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.862**

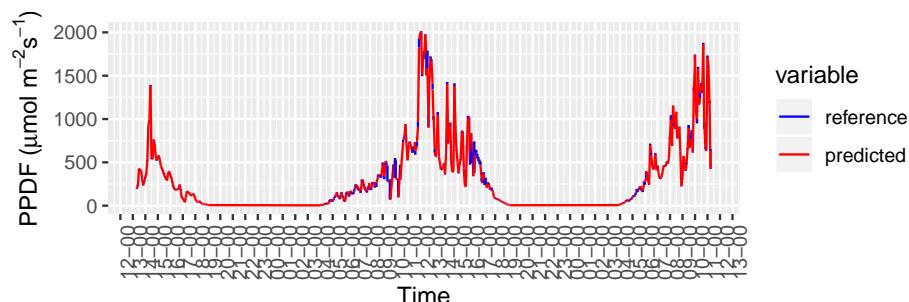
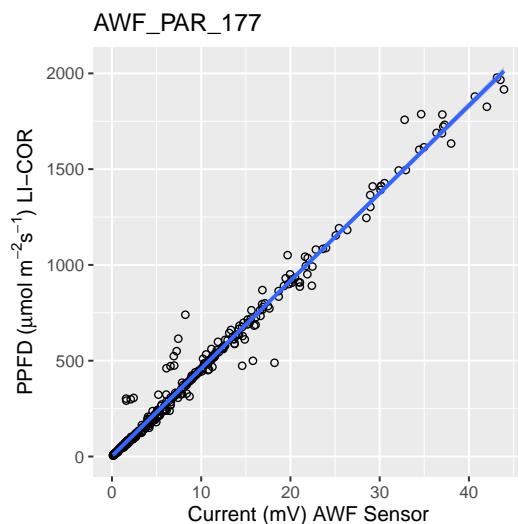
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_177 | 45.8621  | 0.2324     | 197.33  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.92 PPFD

Adjusted R-squared: 0.992



# SENSOR:178

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Aug 02 15:19:30 2017  
End: Aug 04 13:15:00 2017  
Duration: 46 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 334  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.305**

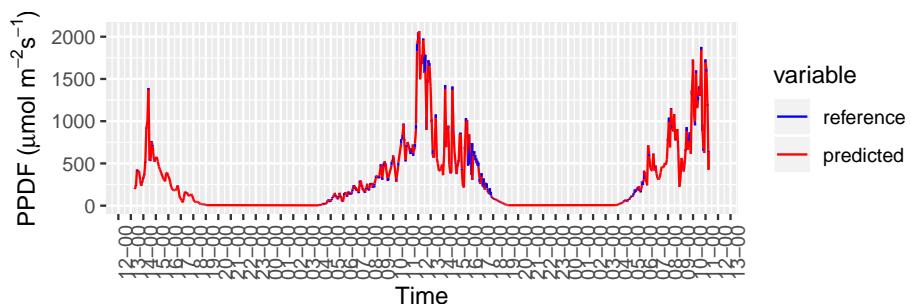
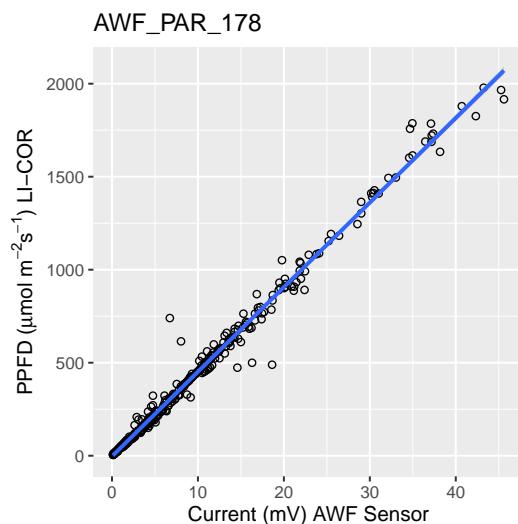
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_178 | 45.3048  | 0.2008     | 225.61  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 50.71 PPFD

Adjusted R-squared: 0.994



# SENSOR:179

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.805**

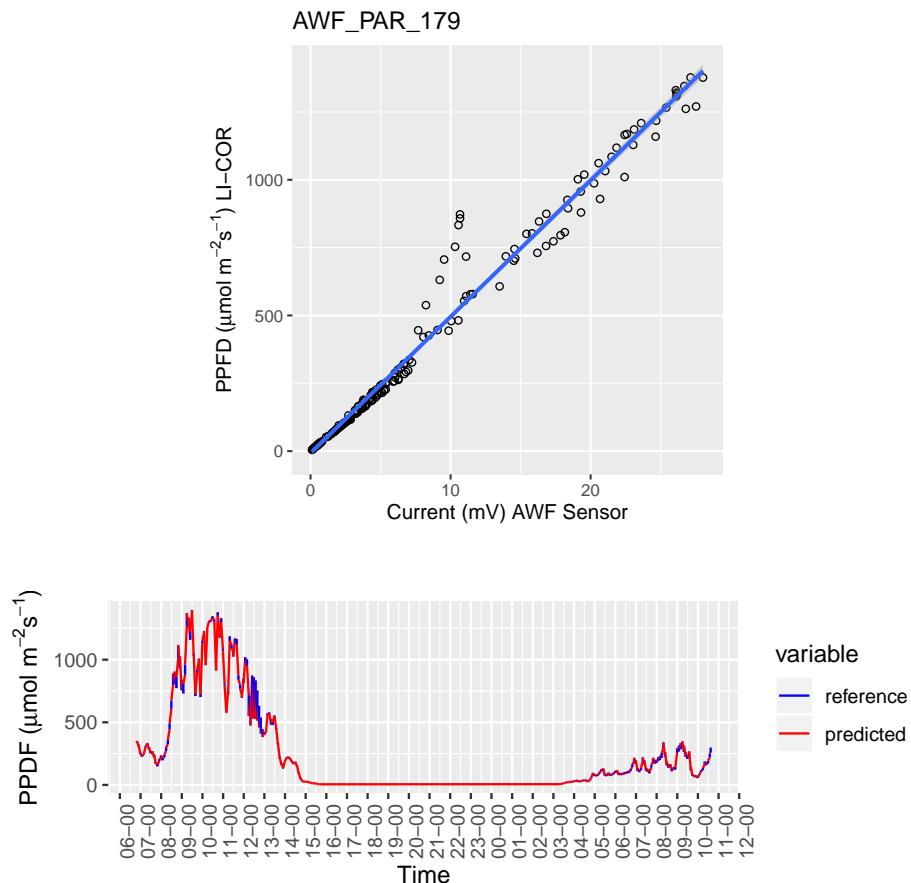
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_179 | 49.8055  | 0.3854     | 129.24  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 58.93 PPFD

Adjusted R-squared: 0.988



# SENSOR:180

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.706**

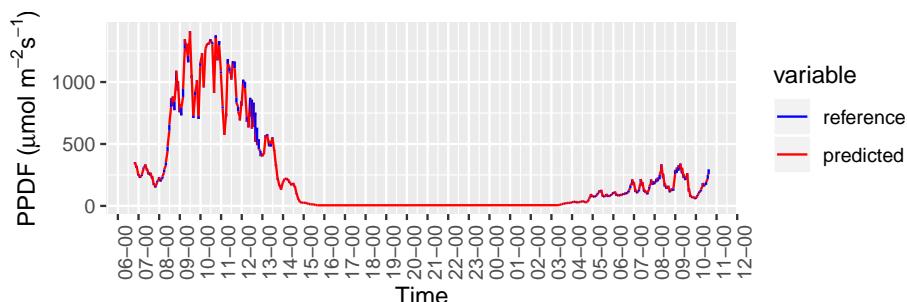
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_180 | 46.7064  | 0.2549     | 183.24  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.68 PPFD

Adjusted R-squared: 0.994



# SENSOR:181

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.114**

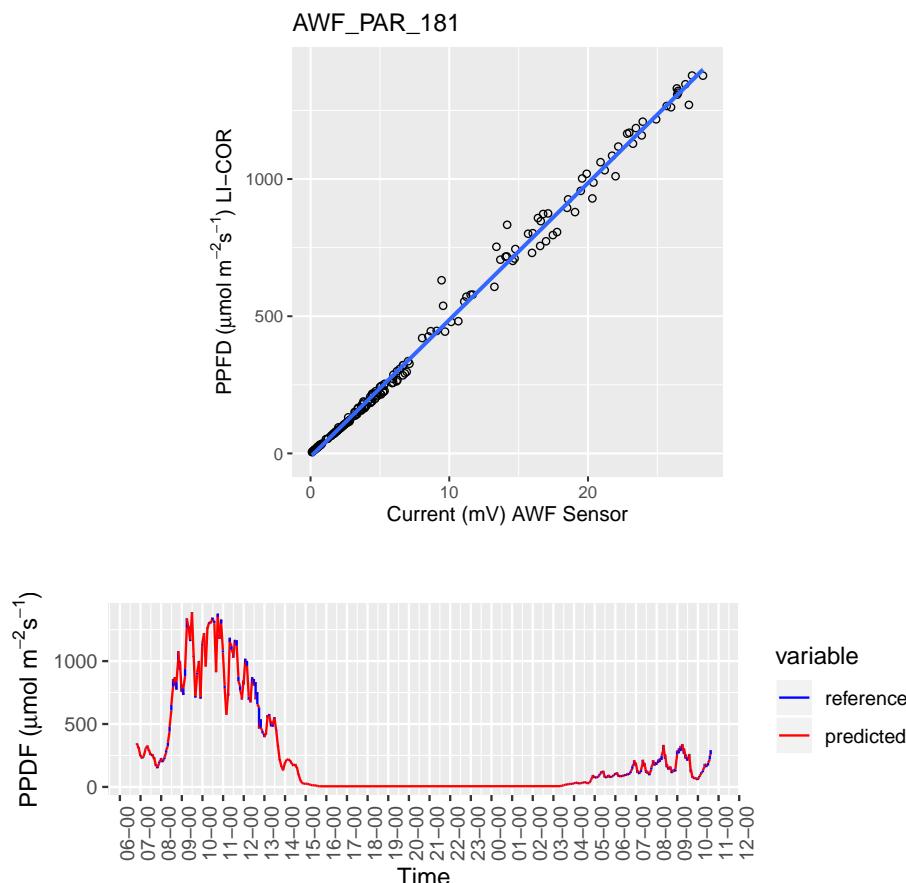
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_181 | 49.1141  | 0.1882     | 260.96  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 29.31 PPFD

Adjusted R-squared: 0.997



## SENSOR:182

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.411**

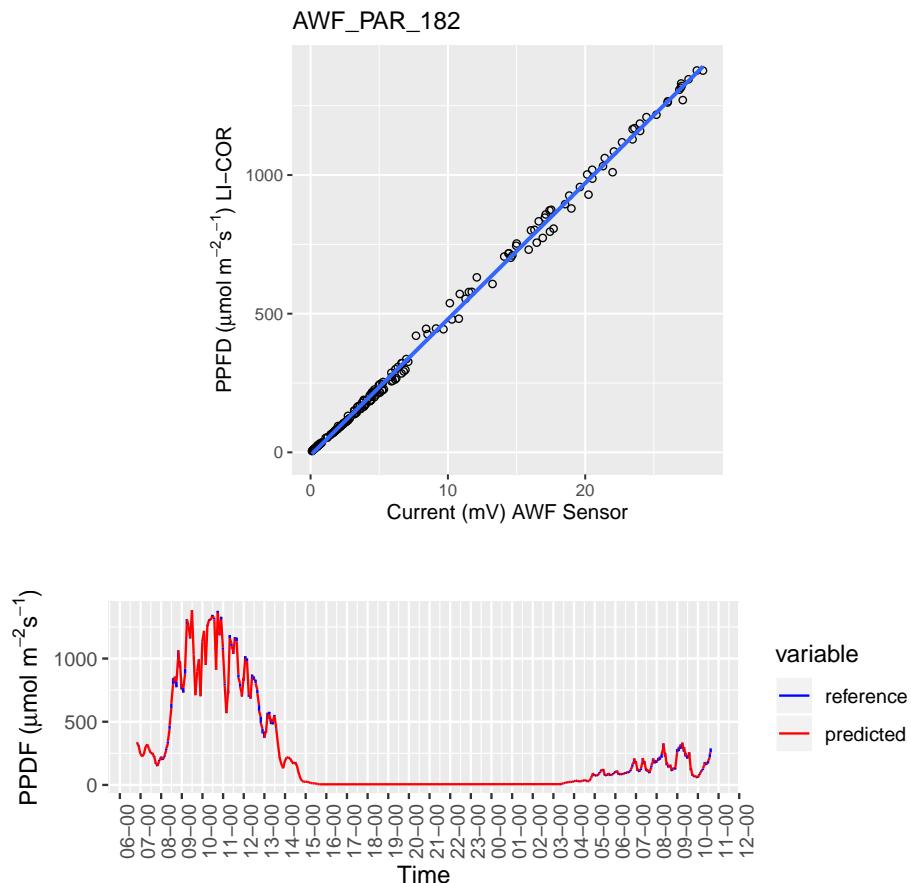
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_182 | 48.4106  | 0.1241     | 390.18  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 19.62 PPFD

Adjusted R-squared: 0.999



# SENSOR:183

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.638**

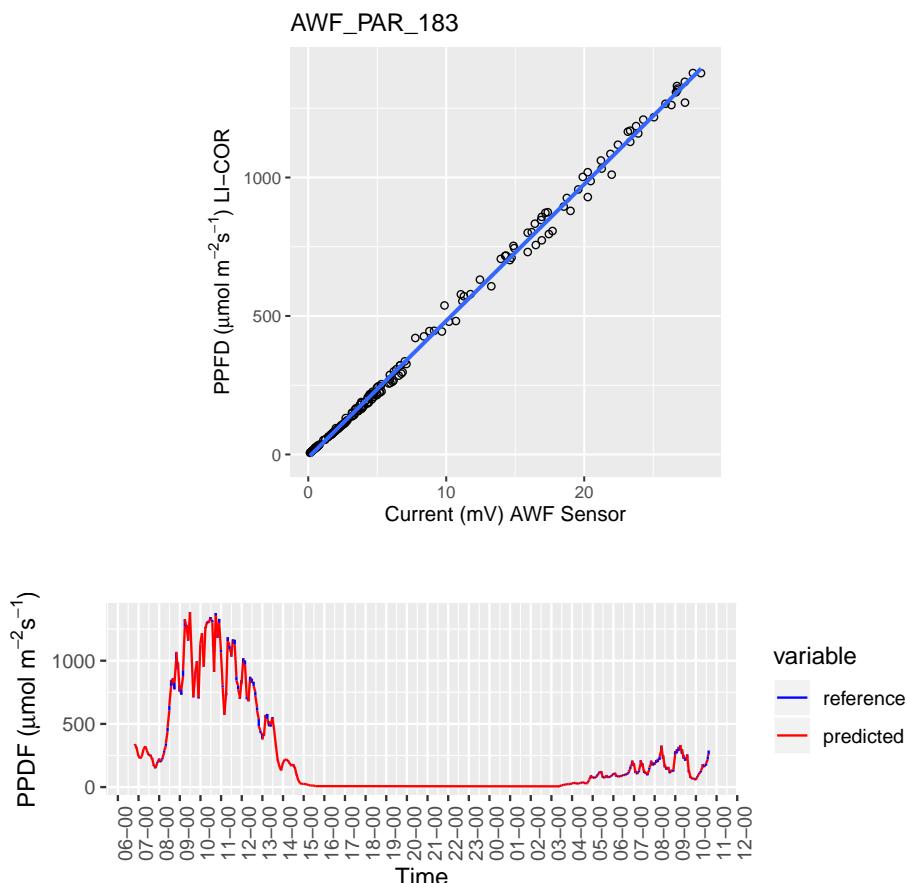
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_183 | 48.6382  | 0.1331     | 365.38  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 20.95 PPFD

Adjusted R-squared: 0.999



## SENSOR:184

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 45.568**

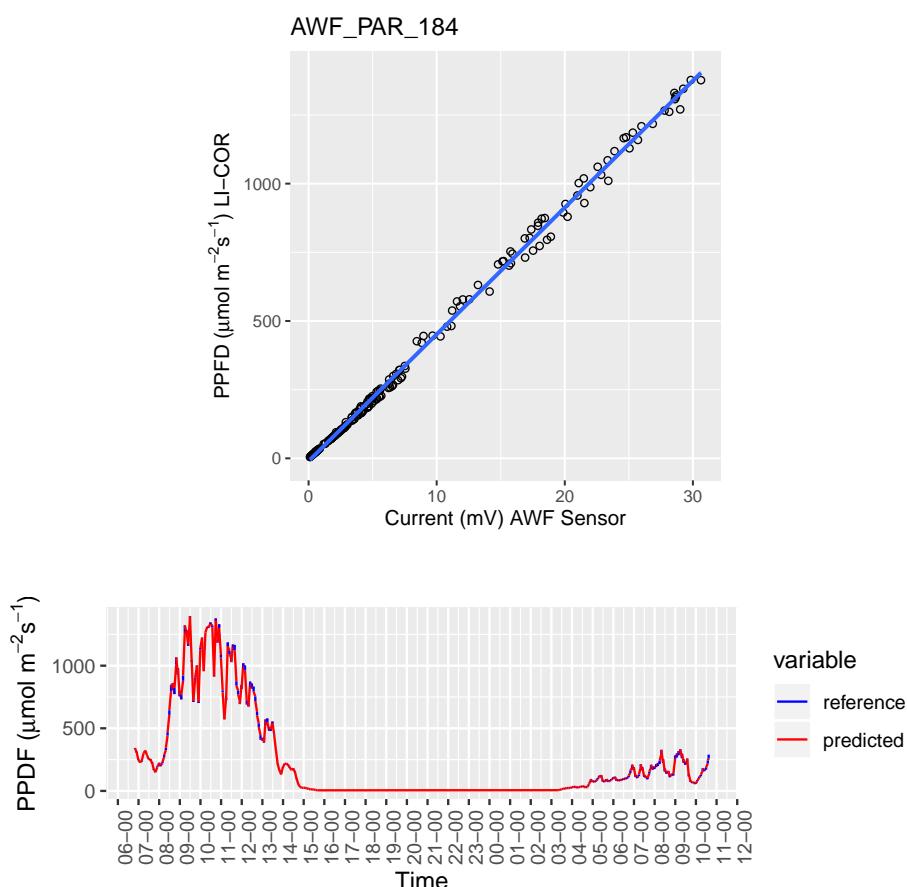
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_184 | 45.5676  | 0.1251     | 364.15  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 21.02 PPFD

Adjusted R-squared: 0.999



# SENSOR:185

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.302**

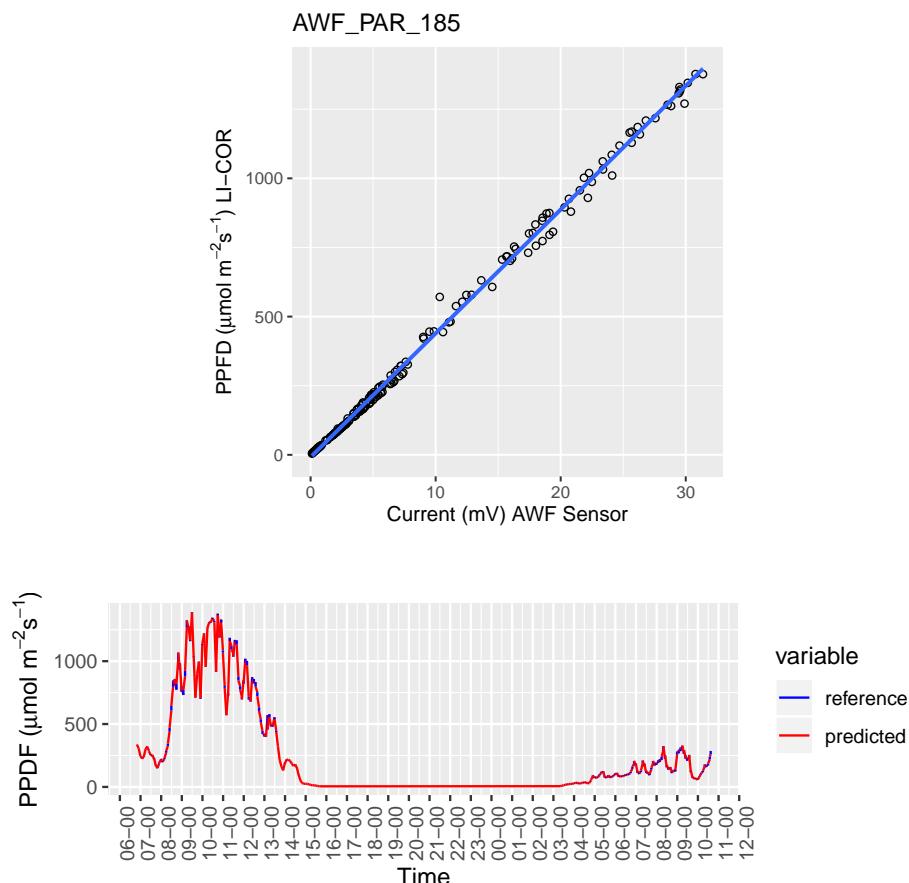
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_185 | 44.3015  | 0.1179     | 375.71  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 20.37 PPFD

Adjusted R-squared: 0.999



# SENSOR:186

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.192**

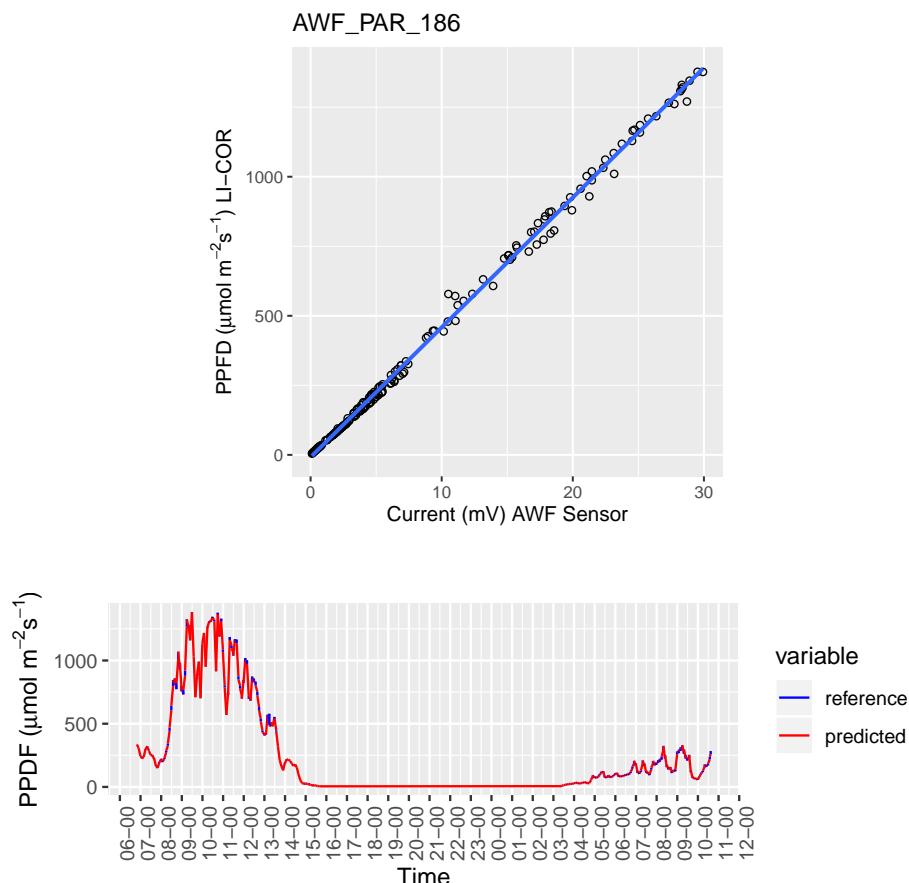
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_186 | 46.1920  | 0.1176     | 392.73  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 19.49 PPFD

Adjusted R-squared: 0.999



SENSOR:187

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

## CALIBRATION RESULTS:

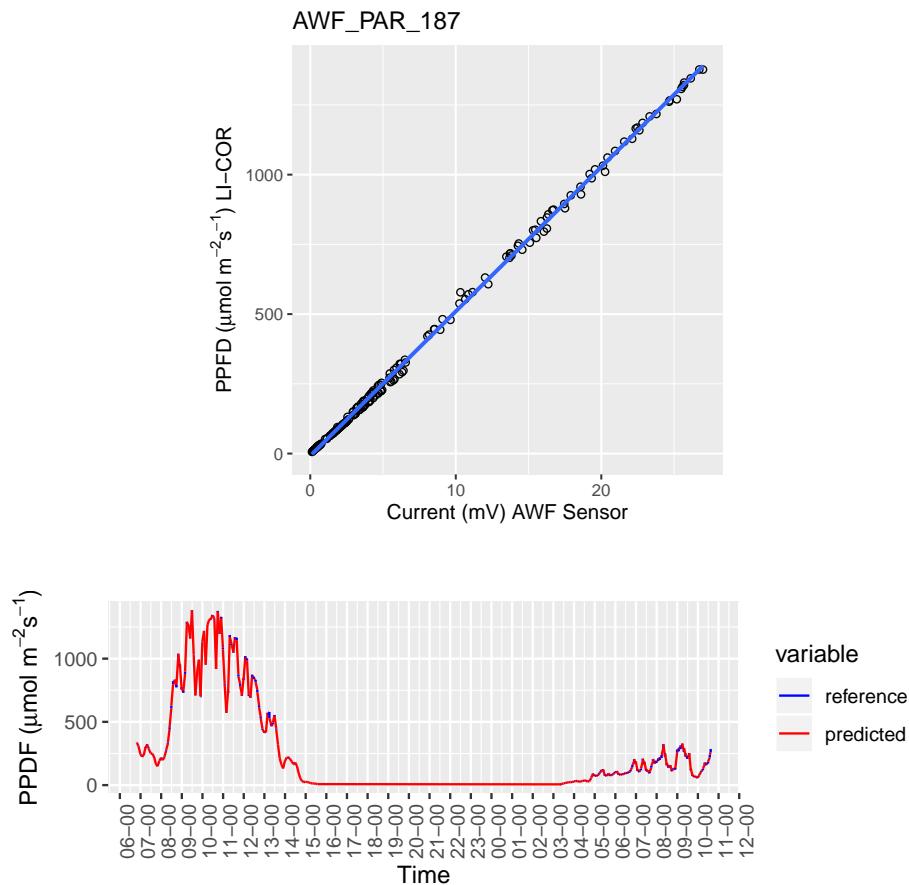
**Calibration Factor: 51.272**

|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_187 | 51.2720  | 0.0891     | 575.71  | 0.0000   |

## QUALITY REPORT:

Residual standard error: 13.3 PPFD

Adjusted R-squared: 0.999



# SENSOR:188

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.519**

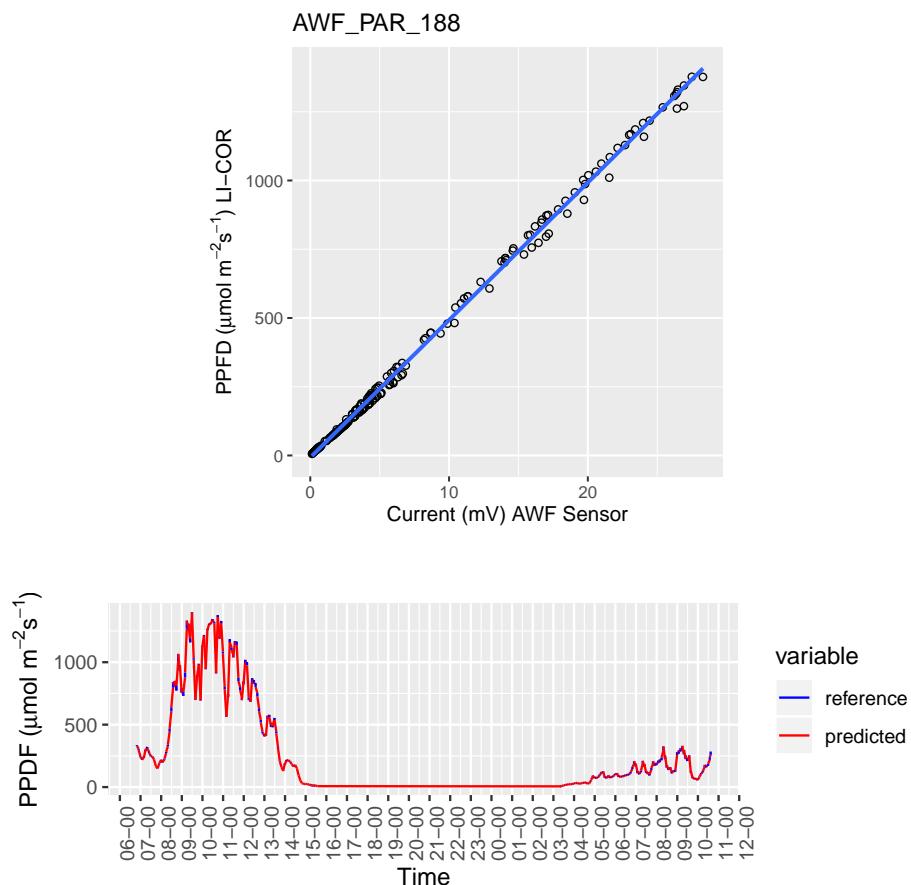
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_188 | 49.5192  | 0.1191     | 415.92  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 18.41 PPFD

Adjusted R-squared: 0.999



# SENSOR:189

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 46.949**

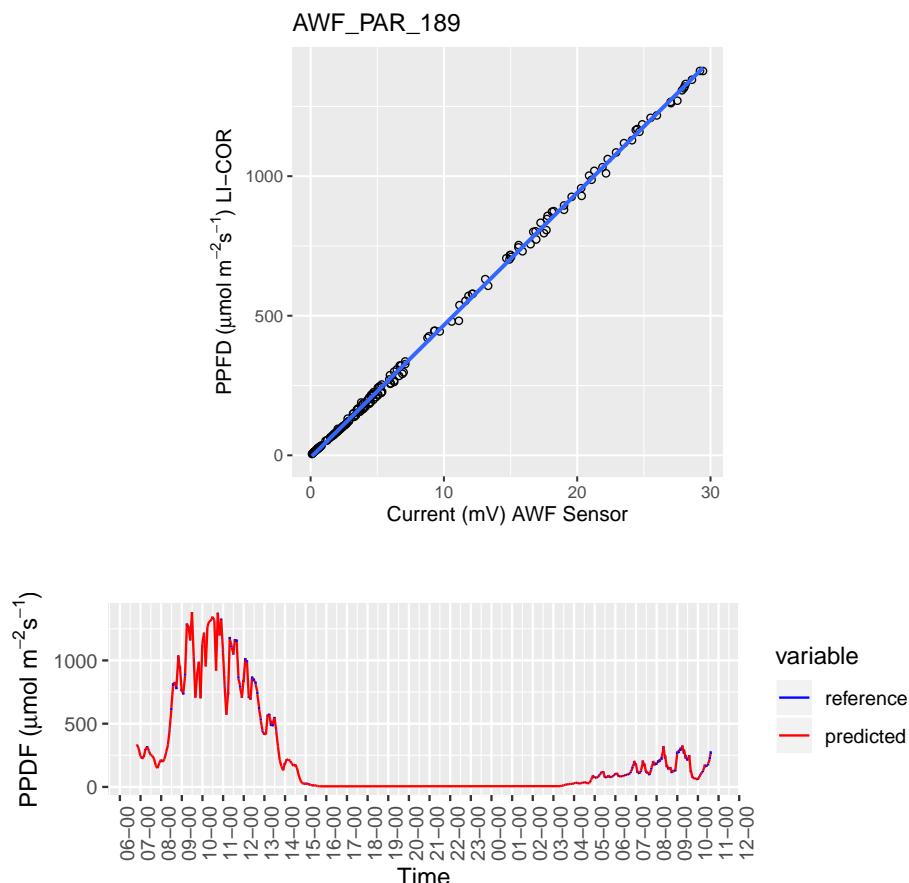
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_189 | 46.9487  | 0.0801     | 586.30  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 13.06 PPFD

Adjusted R-squared: 0.999



# SENSOR:190

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 43.883**

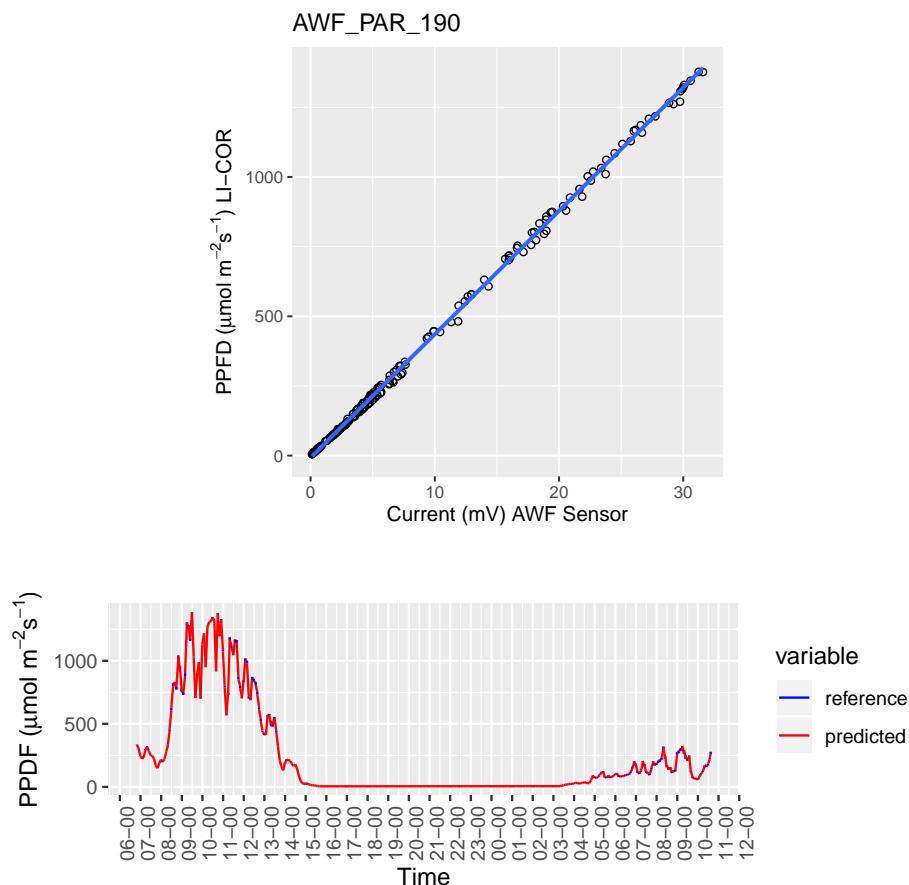
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_190 | 43.8832  | 0.0758     | 578.79  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 13.23 PPFD

Adjusted R-squared: 0.999



# SENSOR:191

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.87**

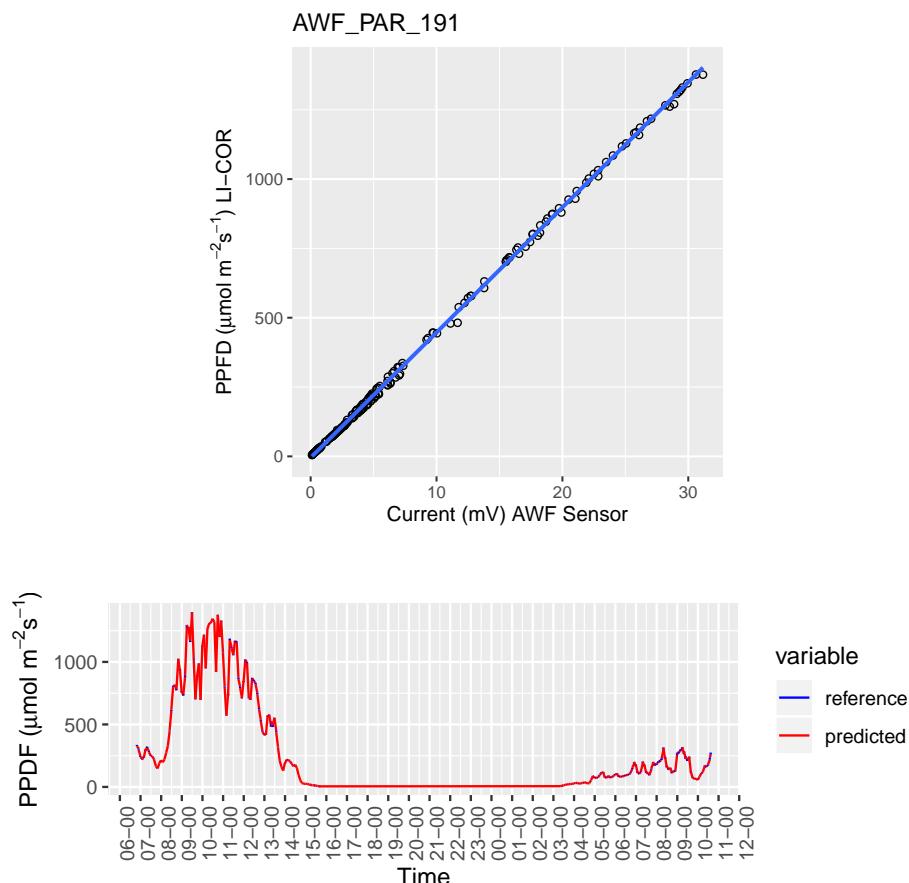
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_191 | 44.8705  | 0.0572     | 784.99  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 9.76 PPFD

Adjusted R-squared: 1



## SENSOR:192

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 44.131**

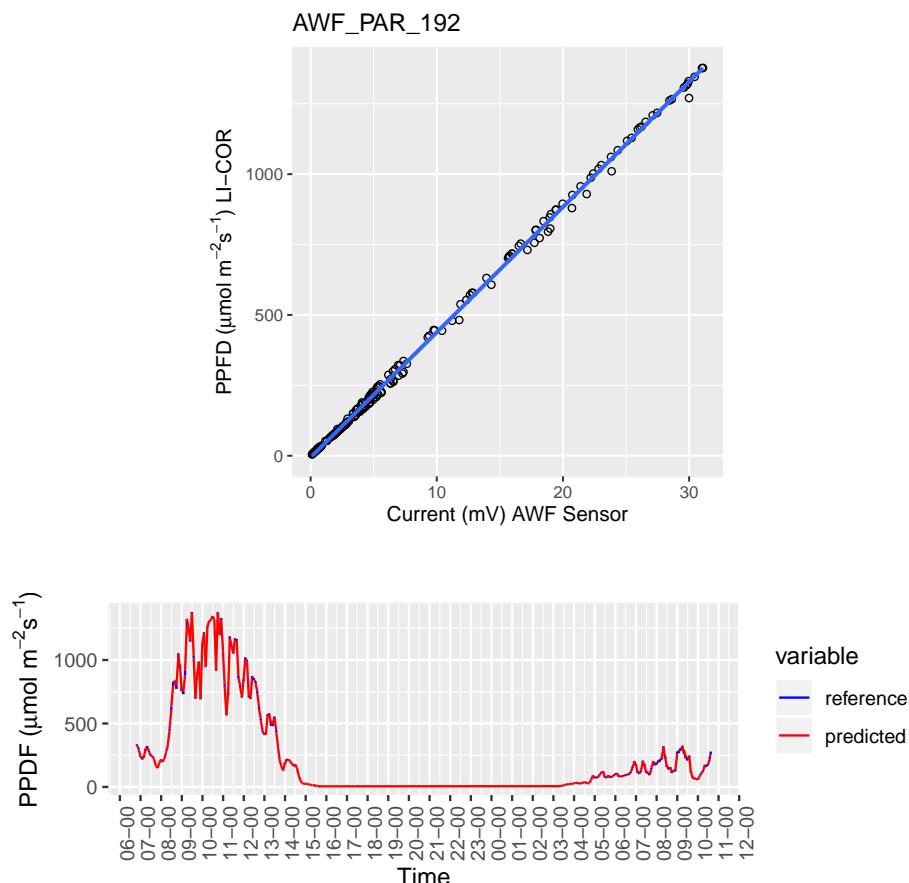
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_192 | 44.1311  | 0.0799     | 552.30  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 13.87 PPFD

Adjusted R-squared: 0.999



# SENSOR:193

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 45.19**

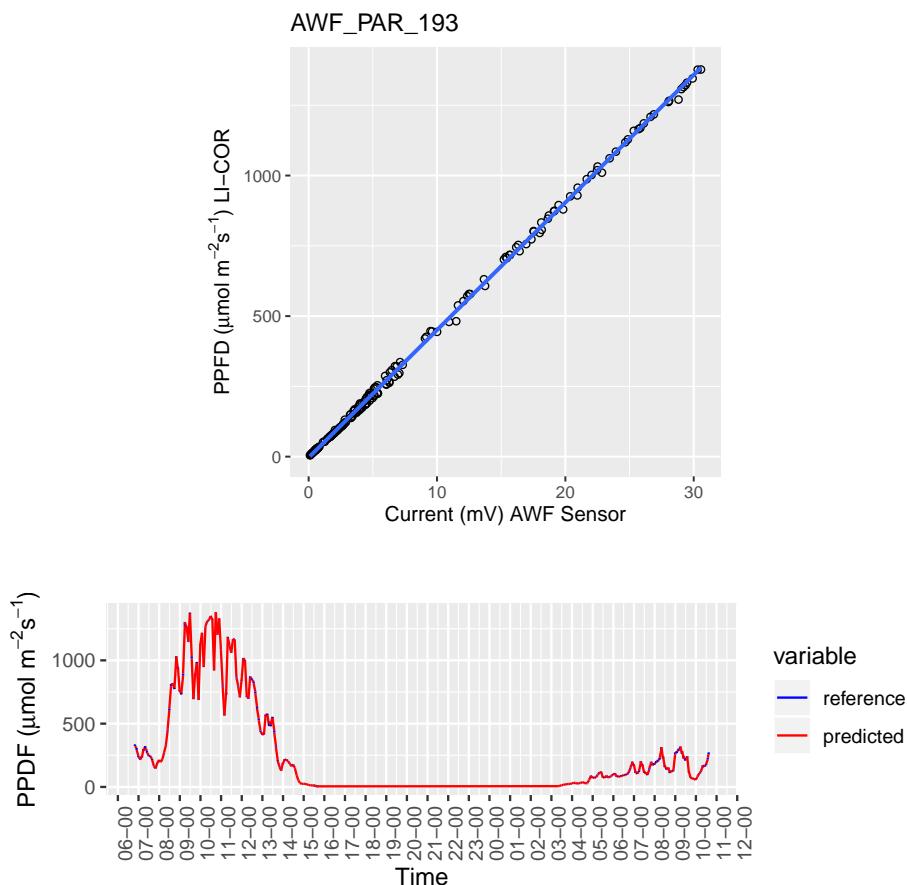
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_193 | 45.1896  | 0.0604     | 748.20  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 10.24 PPFD

Adjusted R-squared: 1



## SENSOR:194

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 45.455**

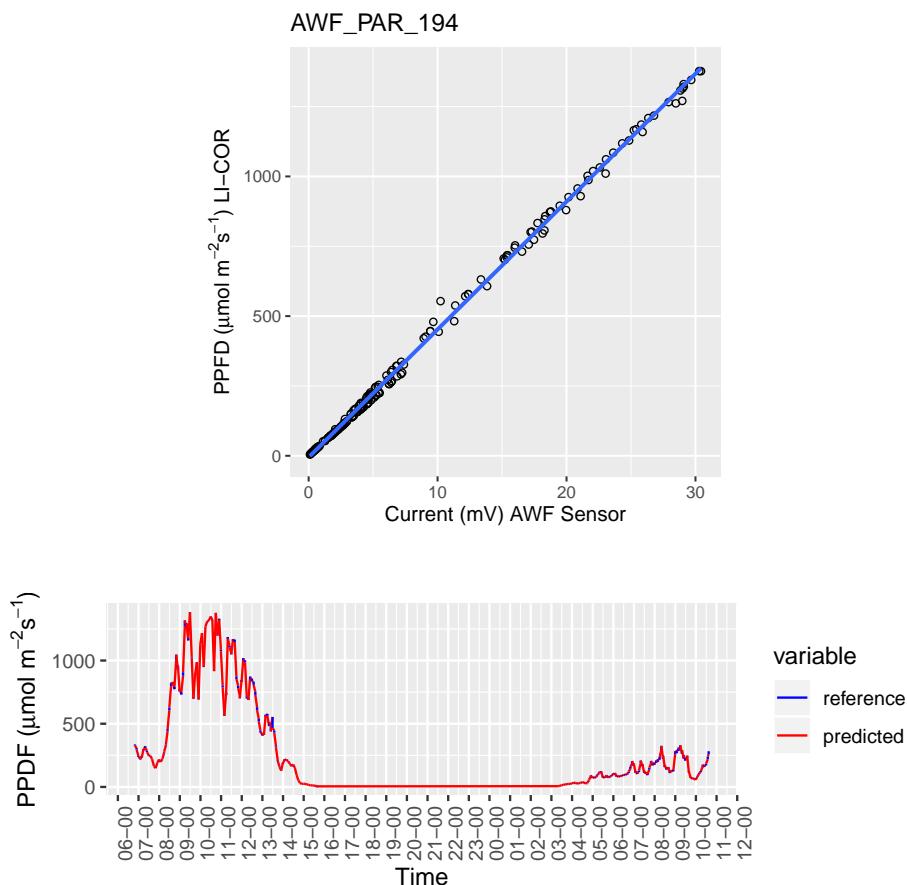
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_194 | 45.4549  | 0.0945     | 481.10  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 15.92 PPFD

Adjusted R-squared: 0.999



# SENSOR:195

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.574**

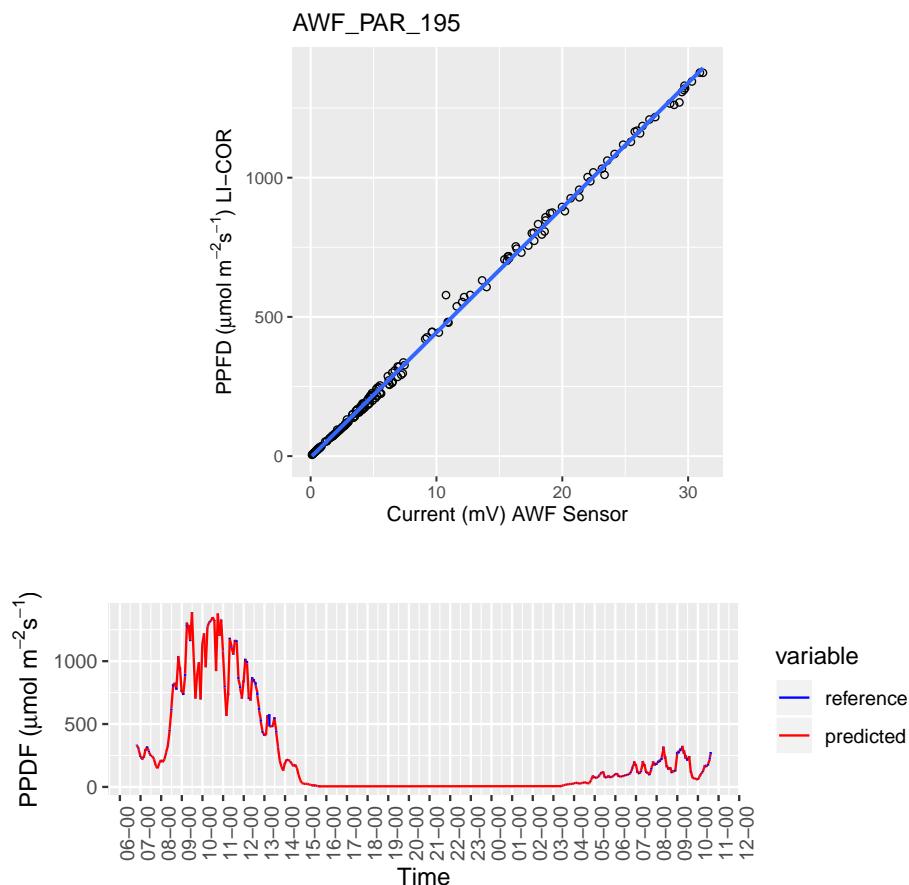
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_195 | 44.5741  | 0.0849     | 524.79  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 14.59 PPFD

Adjusted R-squared: 0.999



# SENSOR:196

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.392**

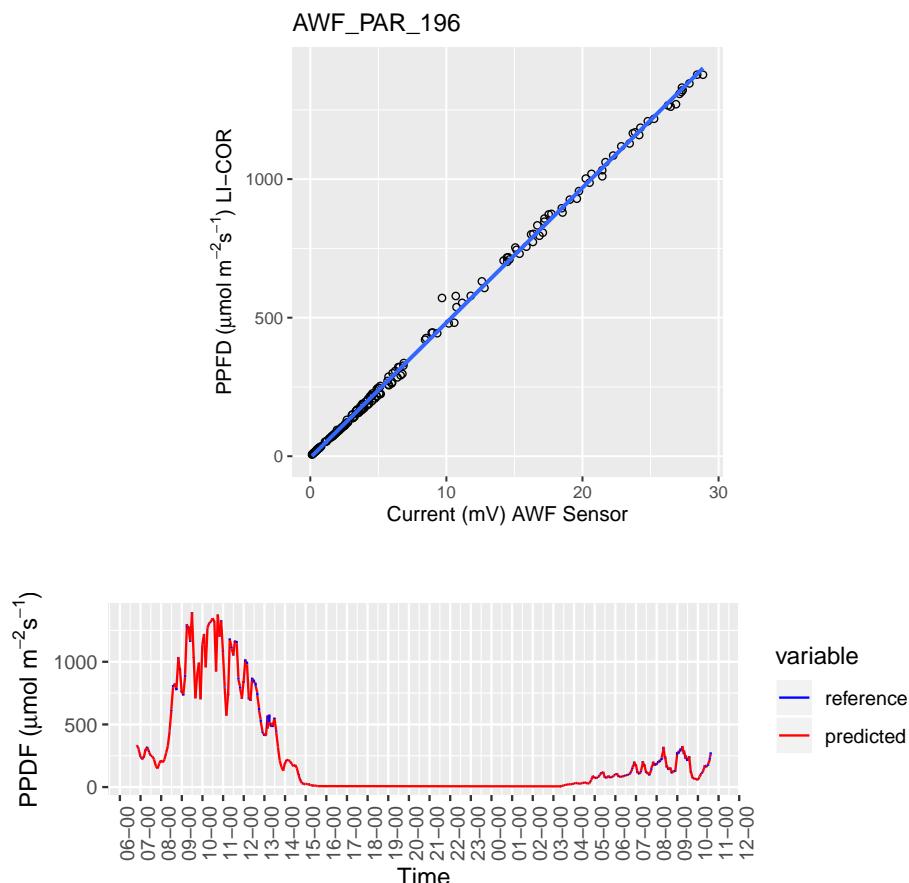
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_196 | 48.3920  | 0.0946     | 511.70  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 14.96 PPFD

Adjusted R-squared: 0.999



# SENSOR:197

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.842**

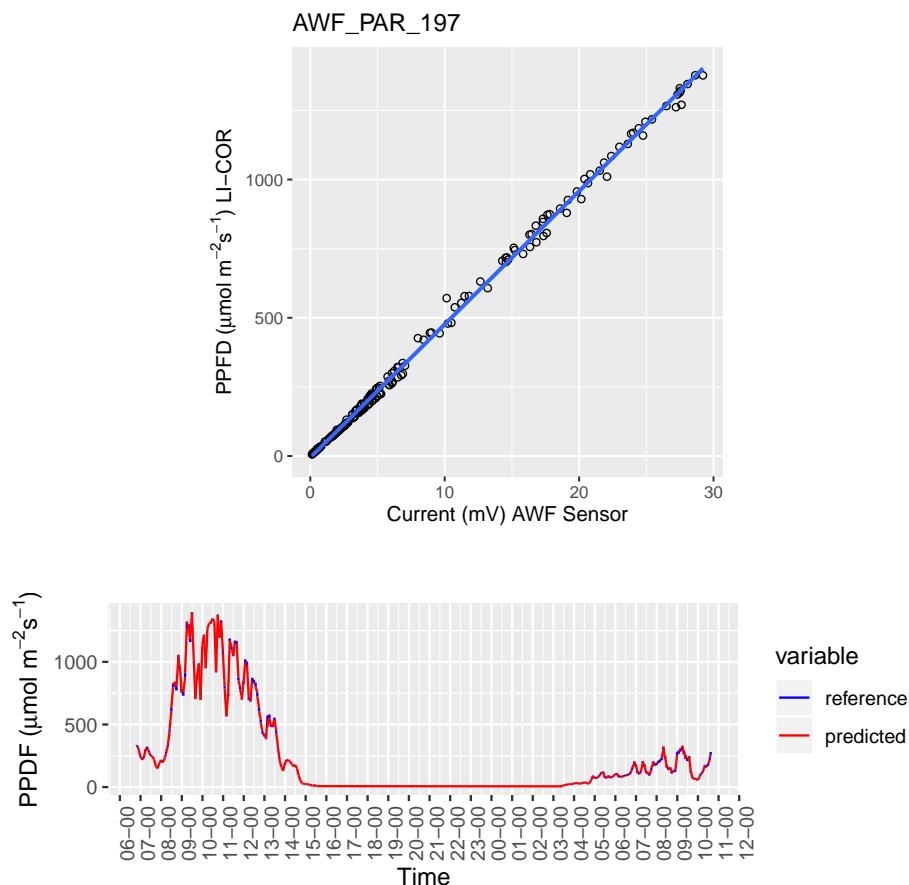
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_197 | 47.8423  | 0.1069     | 447.58  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 17.11 PPFD

Adjusted R-squared: 0.999



# SENSOR:198

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.369**

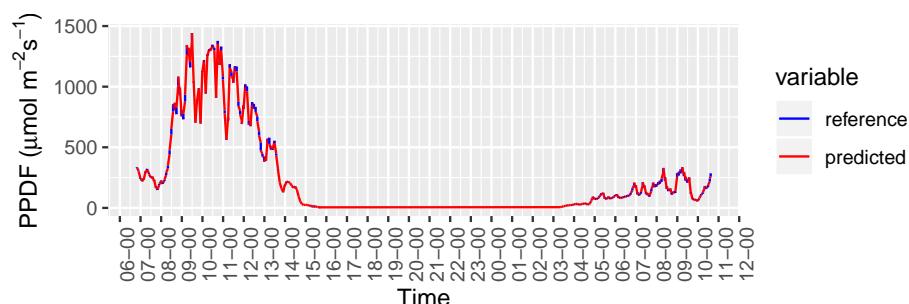
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_198 | 46.3690  | 0.1461     | 317.27  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 24.12 PPFD

Adjusted R-squared: 0.998



# SENSOR:199

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 44.561**

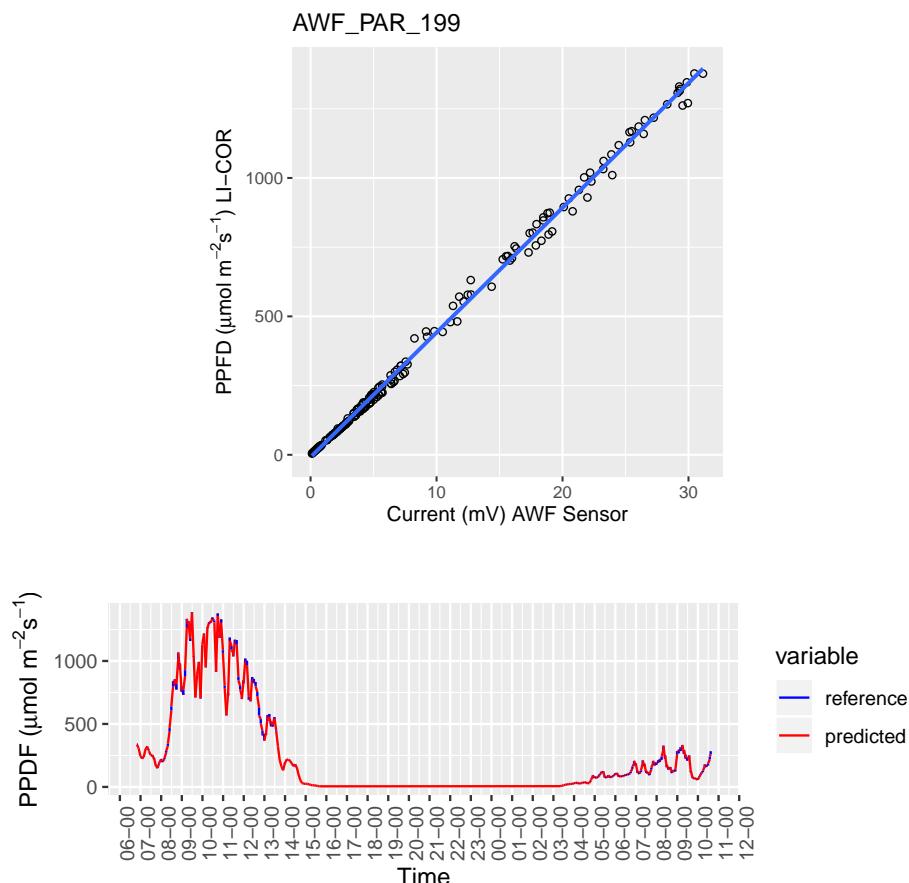
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_199 | 44.5614  | 0.1193     | 373.67  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 20.49 PPFD

Adjusted R-squared: 0.999



# SENSOR:200

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.127**

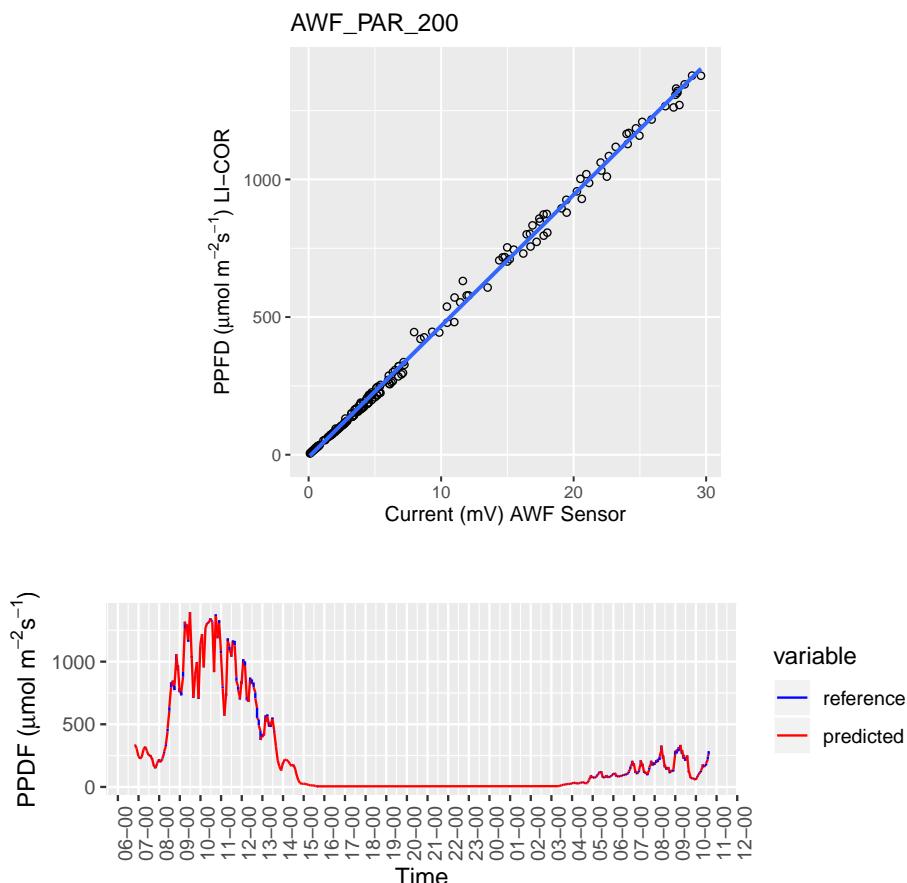
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_200 | 47.1266  | 0.1262     | 373.41  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 20.5 PPFD

Adjusted R-squared: 0.999



# SENSOR:201

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.051**

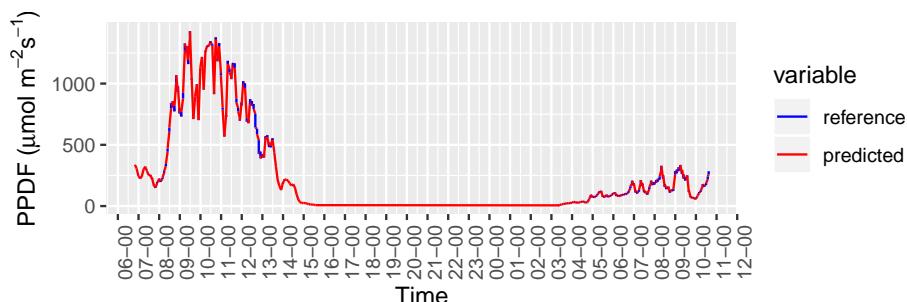
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_201 | 48.0510  | 0.1483     | 323.93  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 23.63 PPFD

Adjusted R-squared: 0.998



## SENSOR:202

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 49.946**

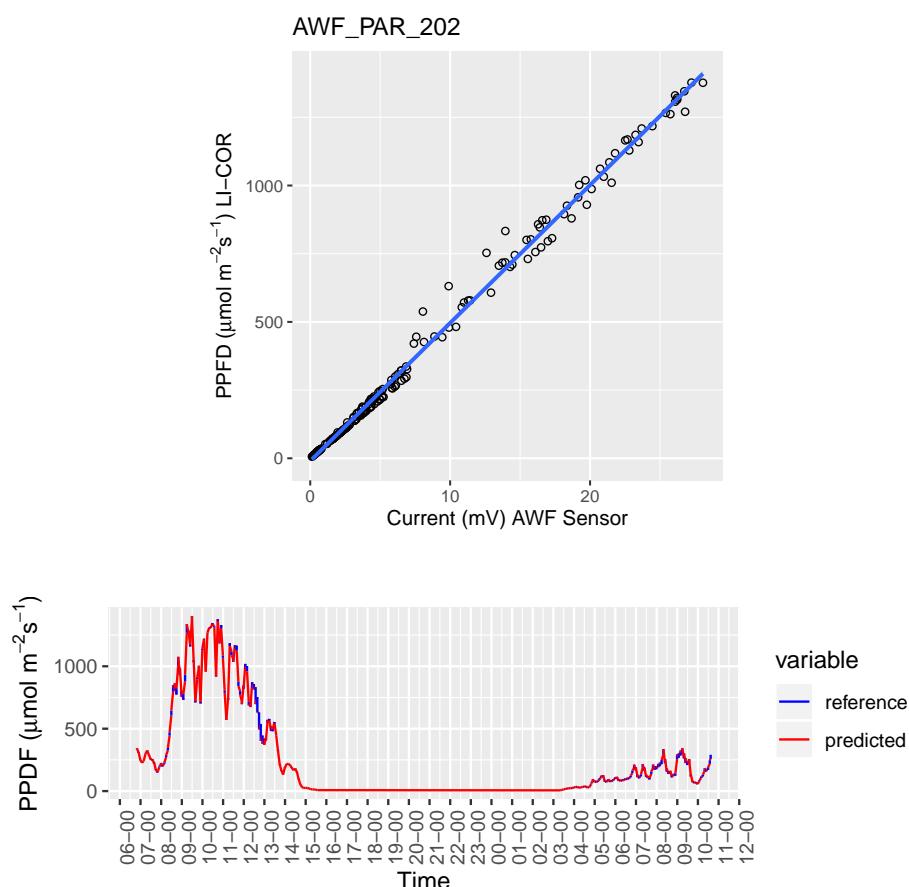
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_202 | 49.9457  | 0.1933     | 258.37  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 29.6 PPFD

Adjusted R-squared: 0.997



# SENSOR:203

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 196  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.509**

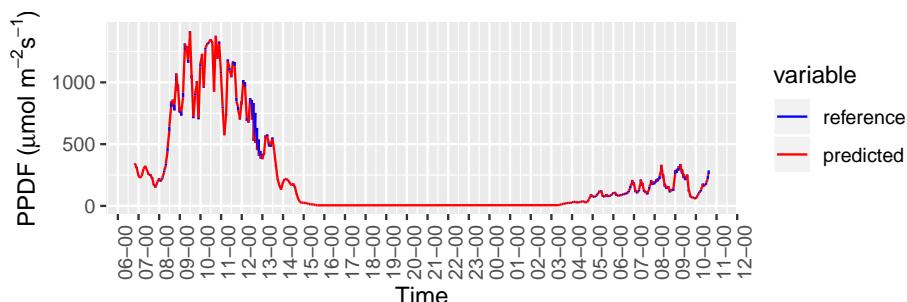
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_203 | 47.5087  | 0.2469     | 192.45  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 39.7 PPFD

Adjusted R-squared: 0.995



# SENSOR:204

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 57.468**

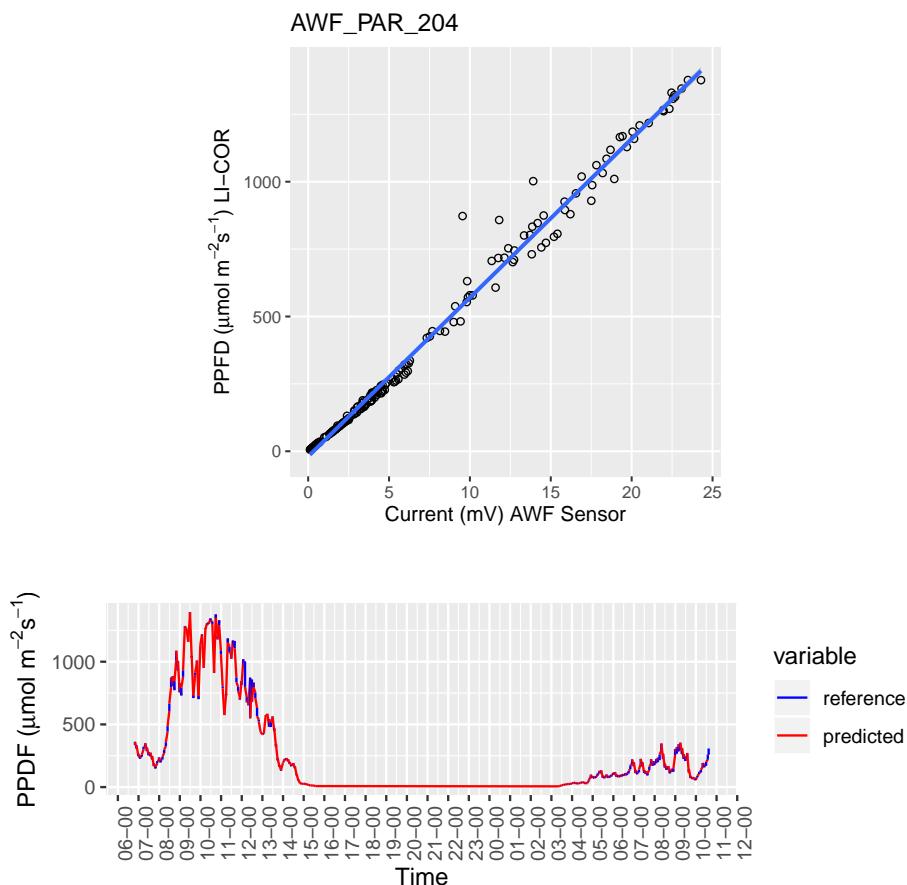
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_204 | 57.4676  | 0.3147     | 182.58  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.83 PPFD

Adjusted R-squared: 0.994



# SENSOR:205

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.946**

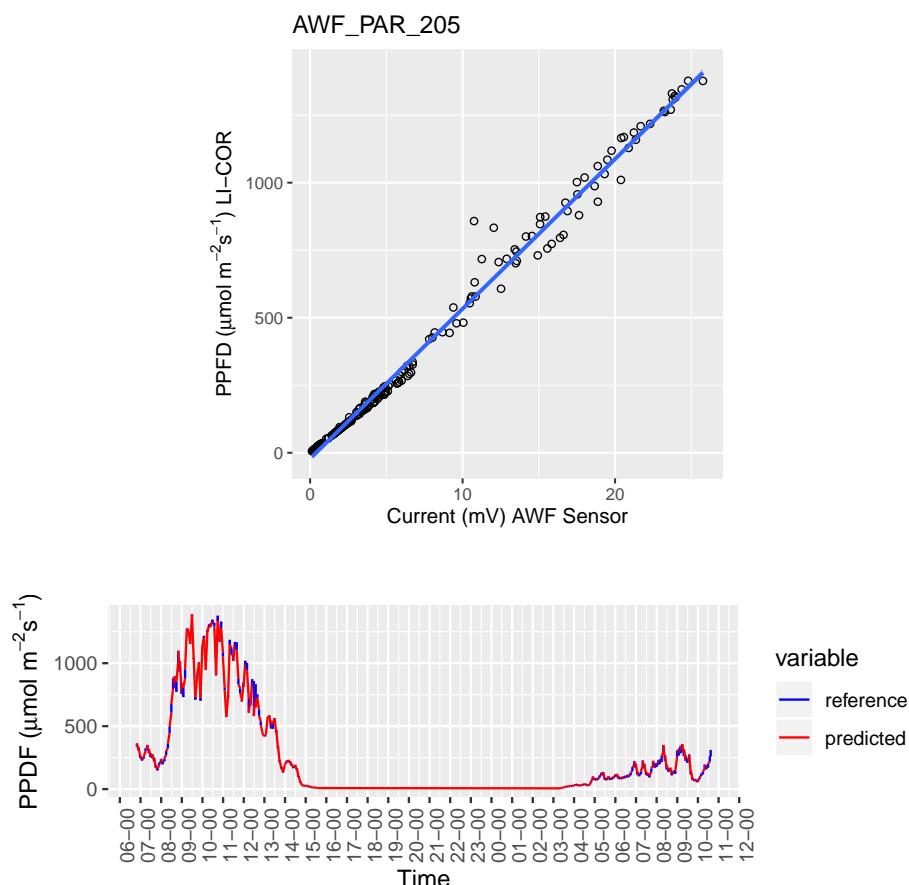
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_205 | 53.9463  | 0.2873     | 187.77  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 40.68 PPFD

Adjusted R-squared: 0.995



# SENSOR:206

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.656**

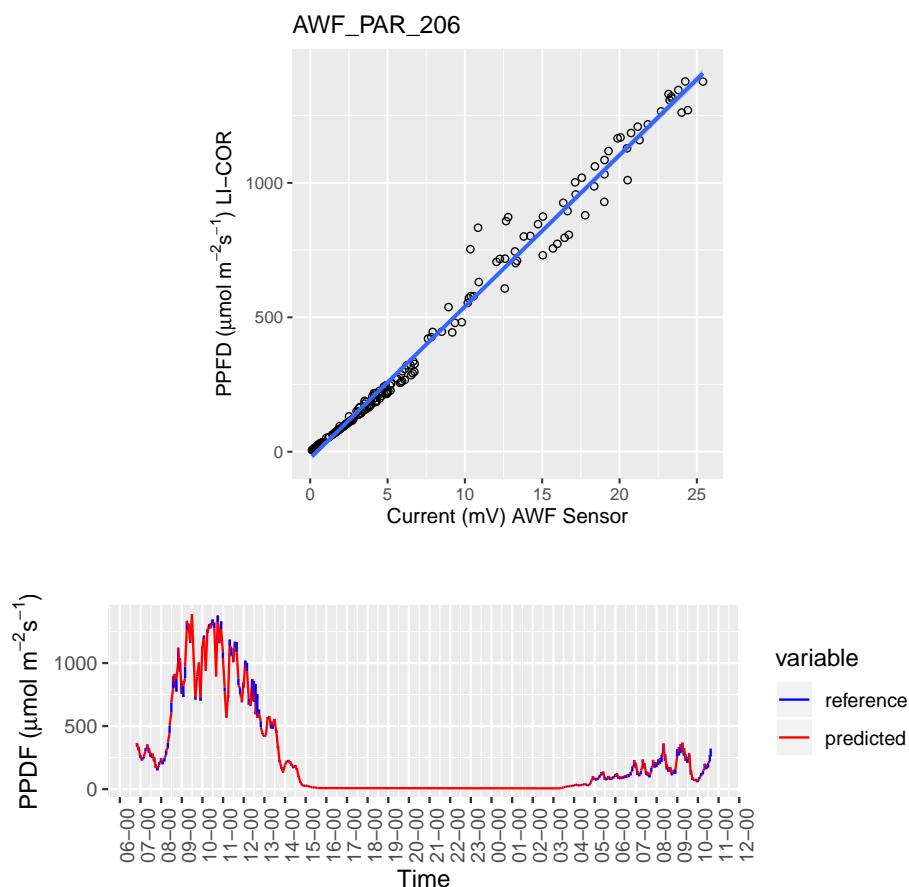
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_206 | 54.6559  | 0.3398     | 160.83  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 47.45 PPFD

Adjusted R-squared: 0.993



# SENSOR:207

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.637**

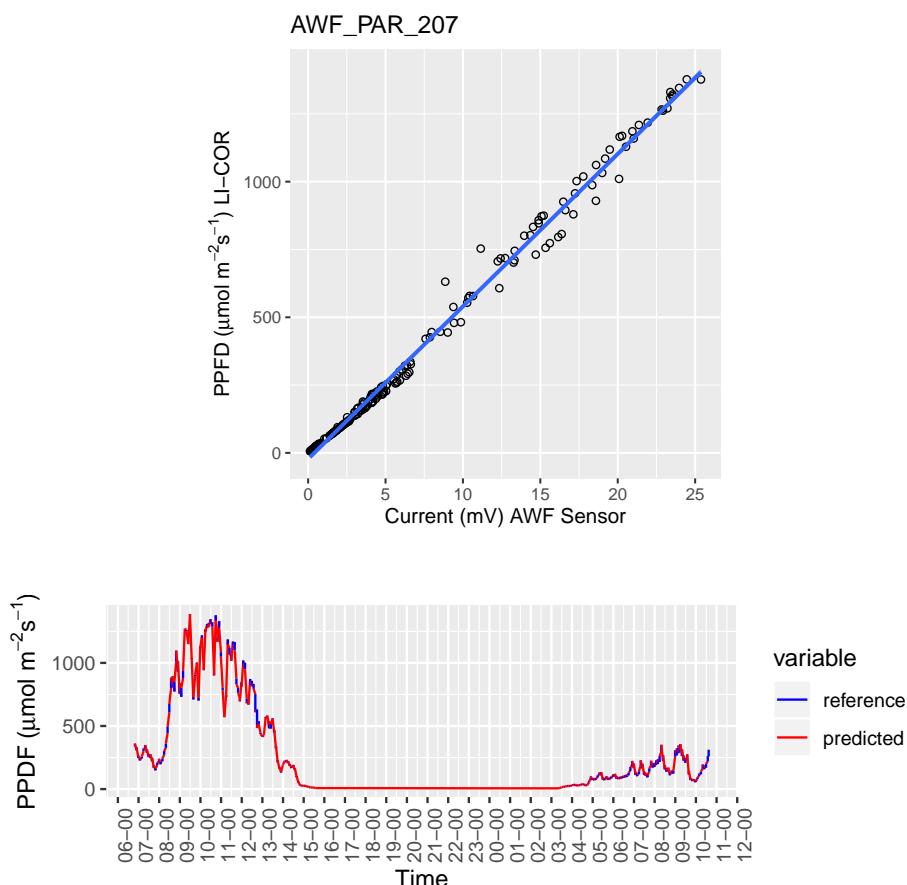
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_207 | 54.6370  | 0.2500     | 218.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 34.98 PPFD

Adjusted R-squared: 0.996



# SENSOR:208

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.607**

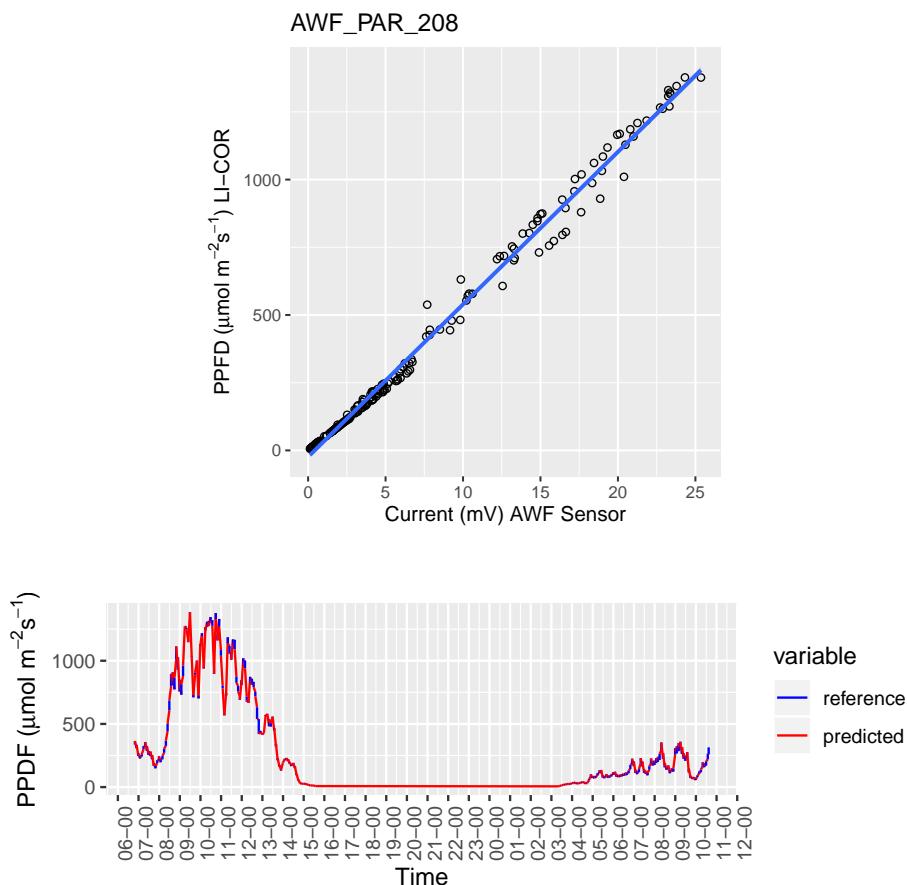
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_208 | 54.6073  | 0.2653     | 205.83  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 37.13 PPFD

Adjusted R-squared: 0.995



# SENSOR:209

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 55.686**

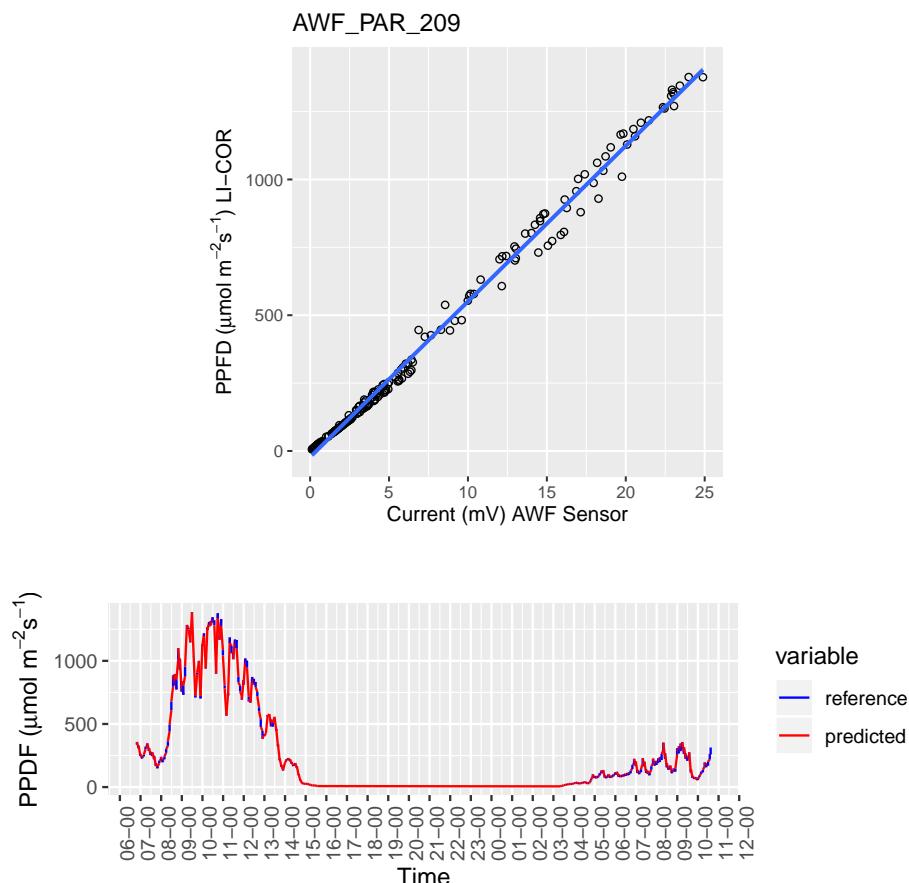
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_209 | 55.6863  | 0.2421     | 230.02  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 33.24 PPFD

Adjusted R-squared: 0.996



# SENSOR:210

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 56.262**

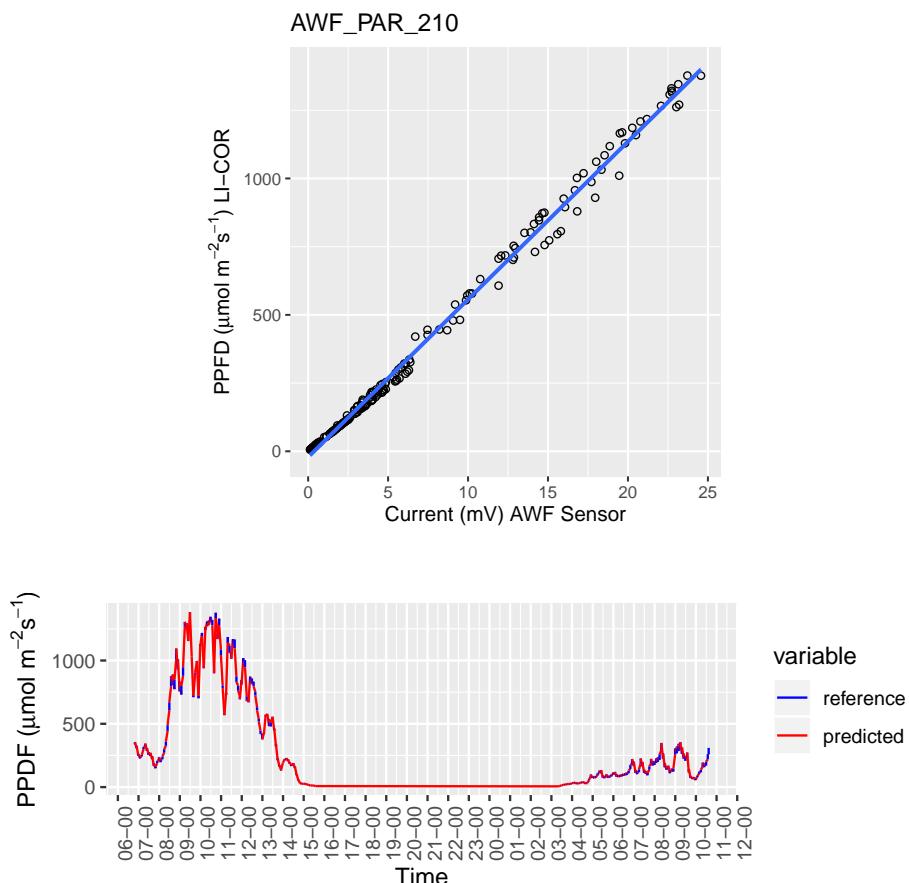
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_210 | 56.2620  | 0.2307     | 243.83  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 31.37 PPFD

Adjusted R-squared: 0.997



# SENSOR:211

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.094**

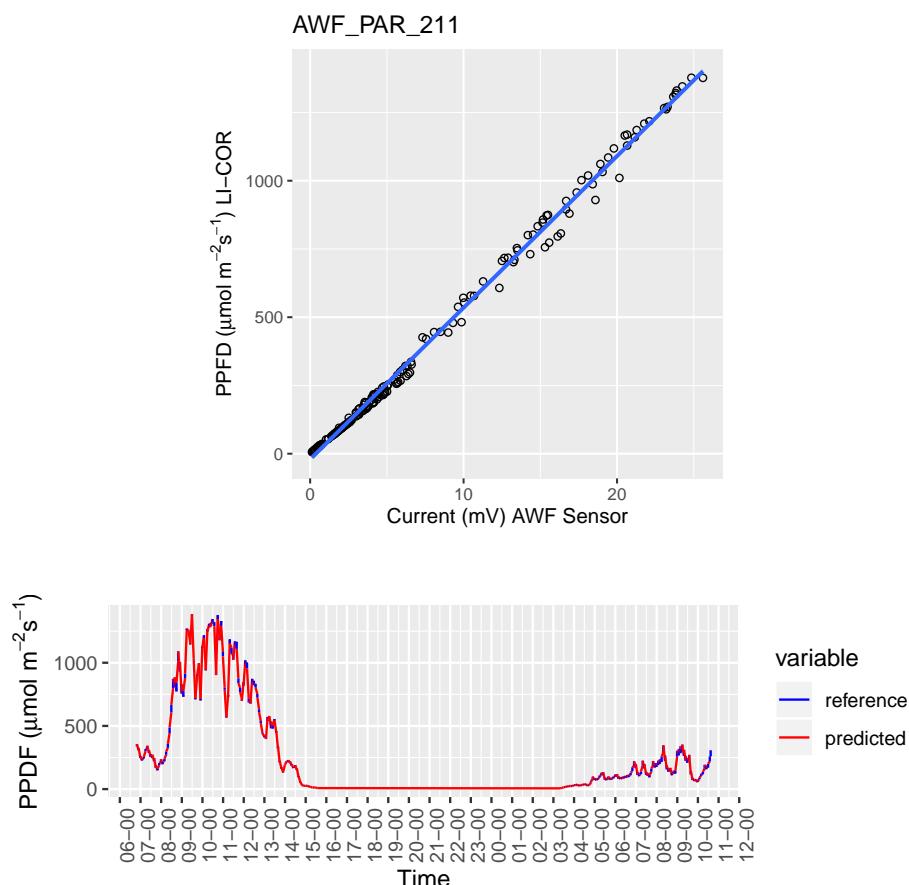
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_211 | 54.0943  | 0.1975     | 273.92  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 27.93 PPFD

Adjusted R-squared: 0.997



## SENSOR:212

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 56.368**

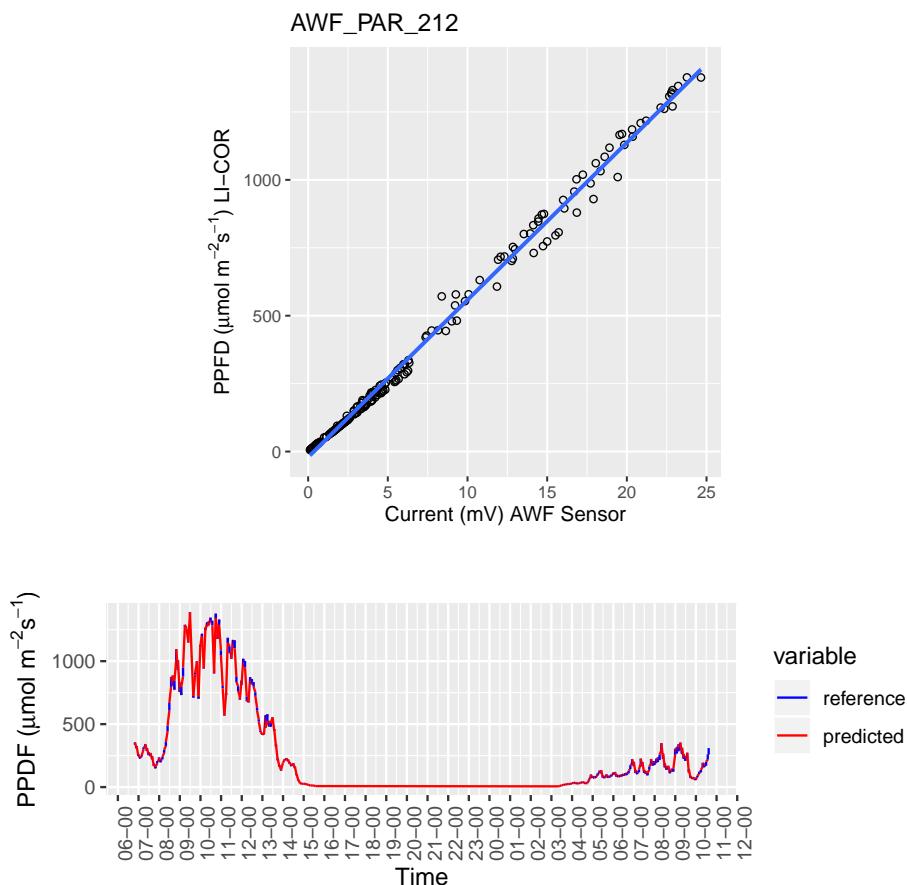
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_212 | 56.3683  | 0.2277     | 247.56  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 30.89 PPFD

Adjusted R-squared: 0.997



## SENSOR:213

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 53.839**

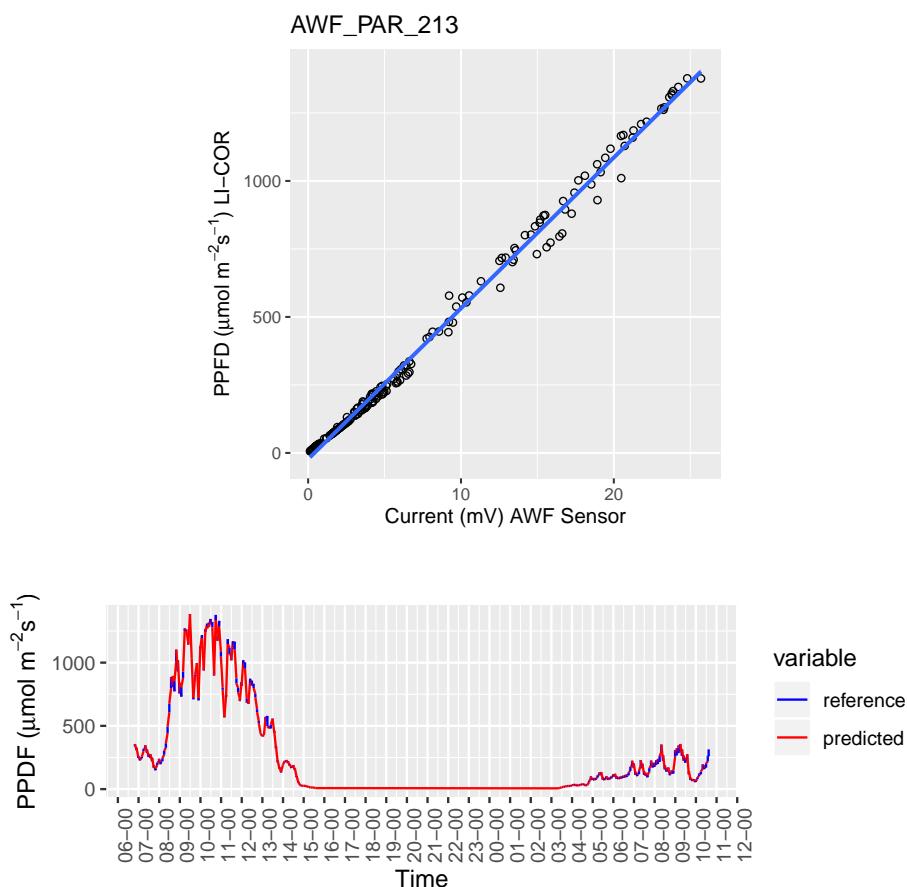
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_213 | 53.8391  | 0.2259     | 238.30  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 32.09 PPFD

Adjusted R-squared: 0.997



## SENSOR:214

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 53.209**

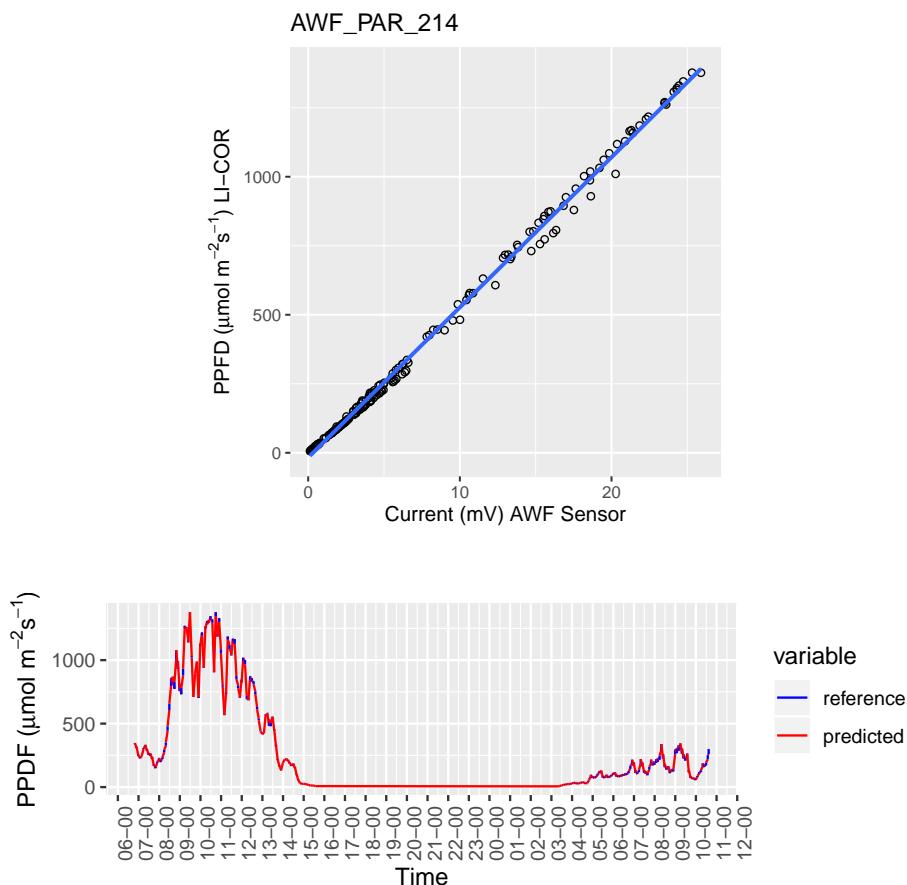
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_214 | 53.2088  | 0.1605     | 331.60  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 23.08 PPFD

Adjusted R-squared: 0.998



# SENSOR:215

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

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## CALIBRATION RESULTS:

**Calibration Factor: 53.235**

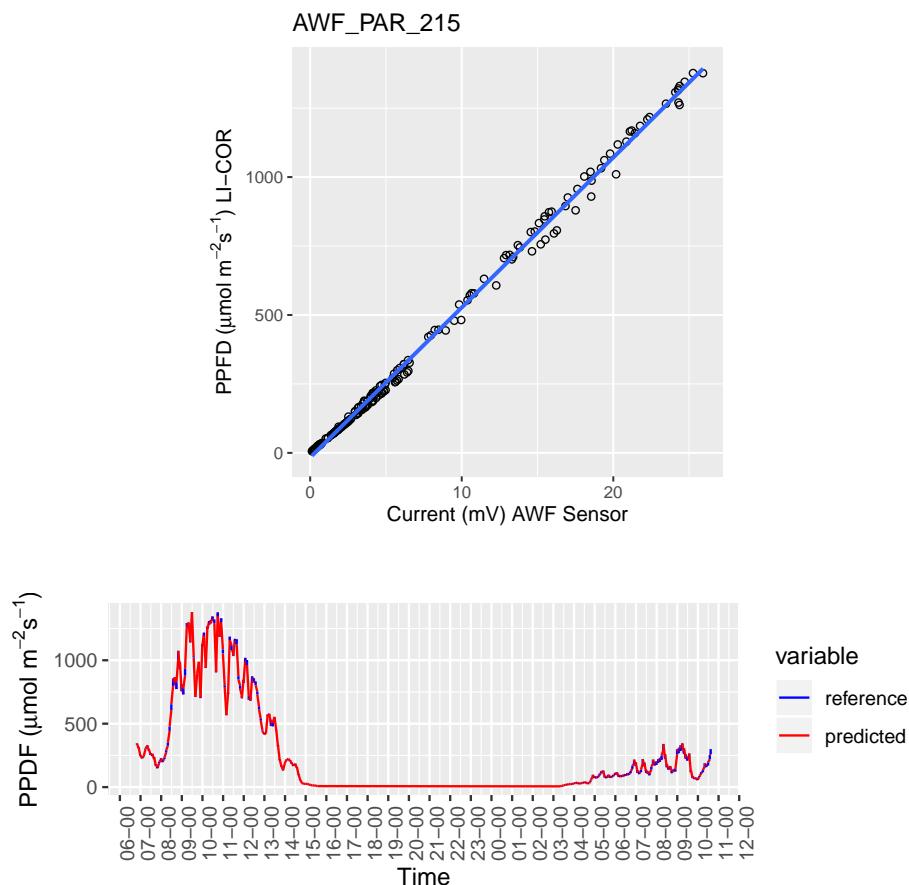
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_215 | 53.2354  | 0.1631     | 326.49  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 23.44 PPFD

Adjusted R-squared: 0.998



# SENSOR:216

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.477**

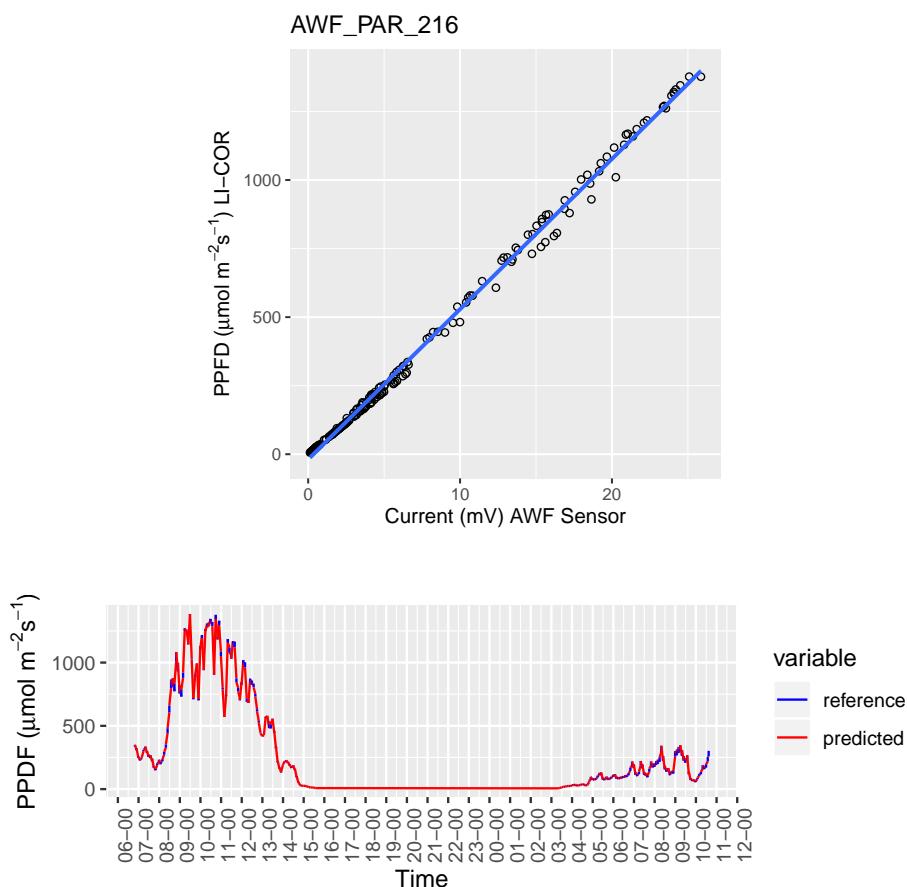
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_216 | 53.4775  | 0.1770     | 302.20  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 25.32 PPFD

Adjusted R-squared: 0.998



# SENSOR:217

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.053**

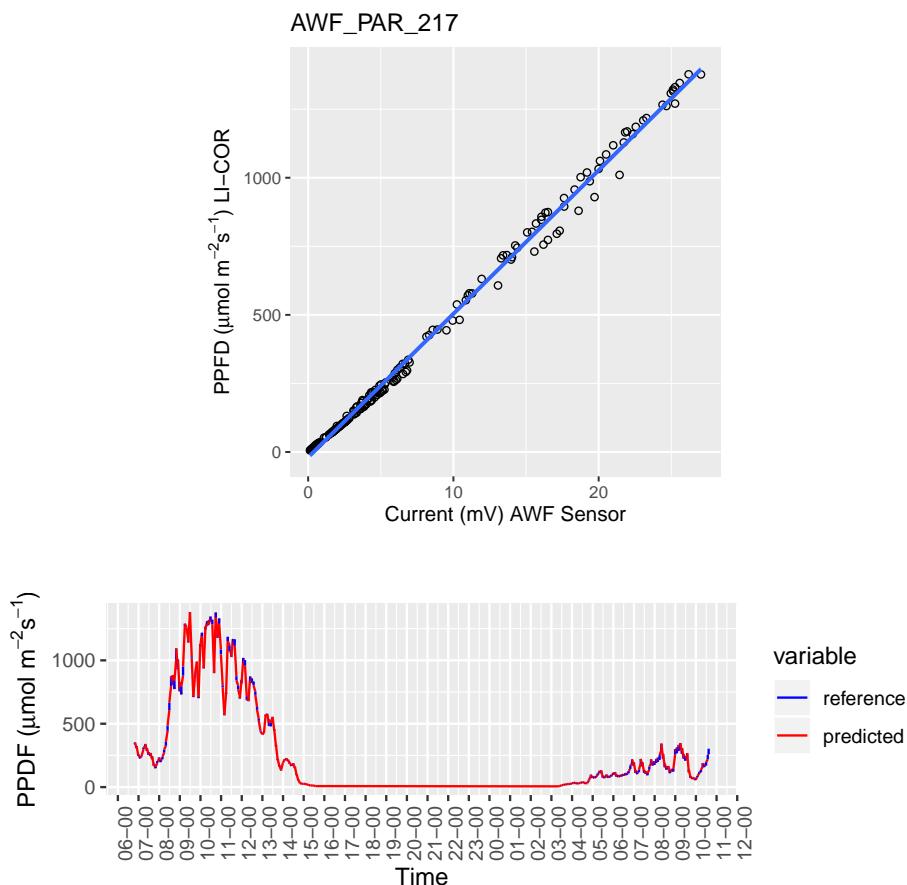
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_217 | 51.0530  | 0.1841     | 277.26  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 27.59 PPFD

Adjusted R-squared: 0.997



# SENSOR:218

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 56.013**

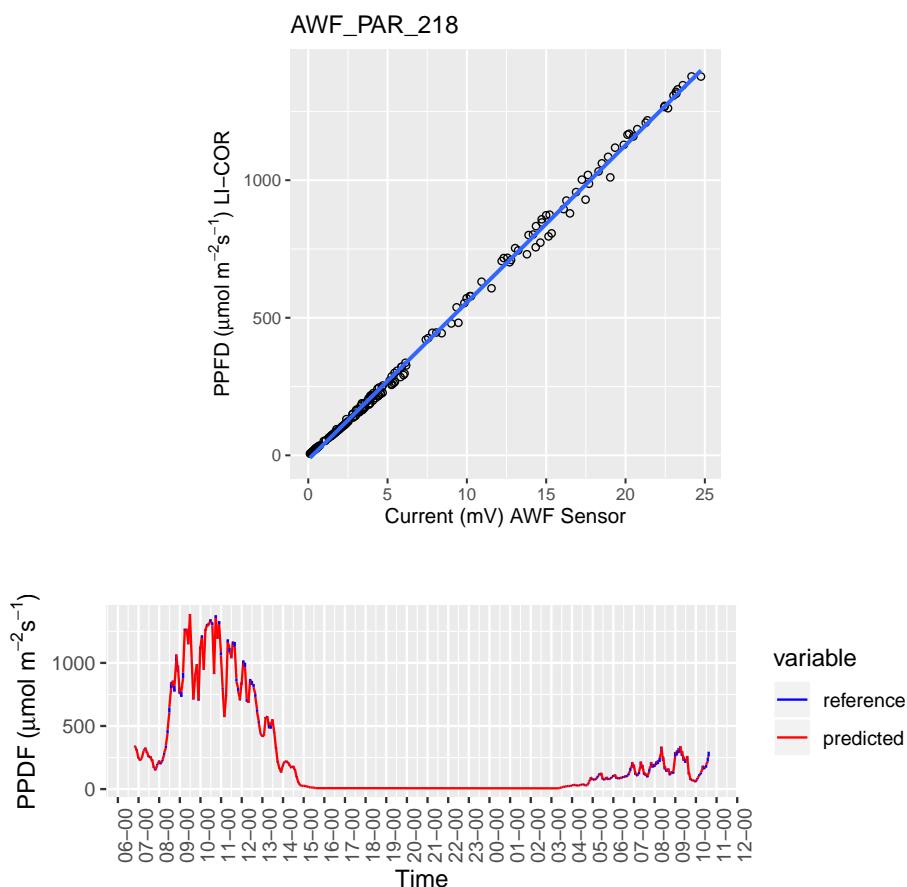
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_218 | 56.0126  | 0.1523     | 367.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 20.81 PPFD

Adjusted R-squared: 0.999



# SENSOR:219

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.024**

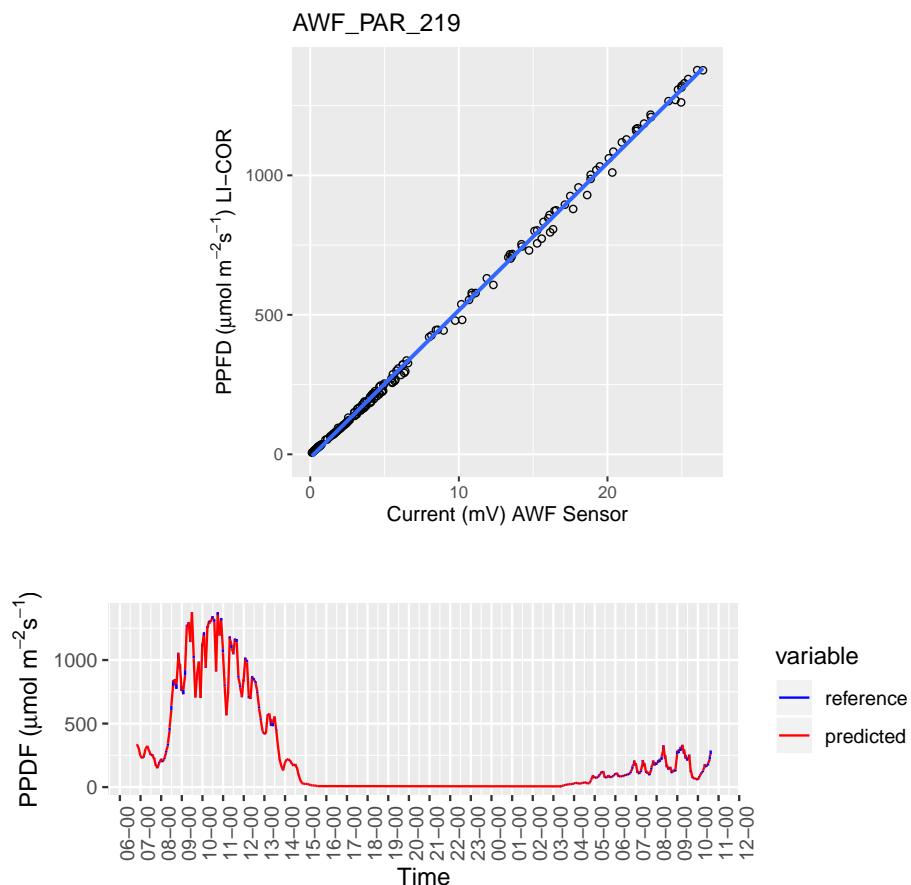
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_219 | 52.0240  | 0.1167     | 445.67  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 17.18 PPFD

Adjusted R-squared: 0.999



# SENSOR:220

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.948**

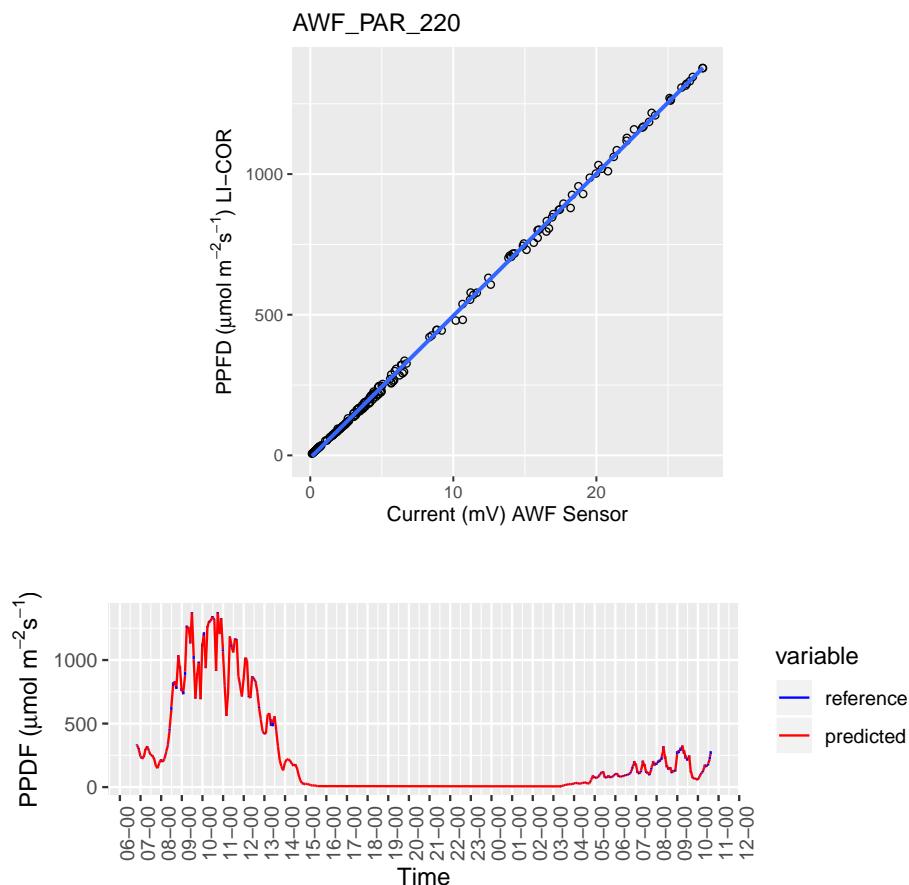
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_220 | 49.9478  | 0.0841     | 594.26  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 12.89 PPFD

Adjusted R-squared: 0.999



# SENSOR:221

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.326**

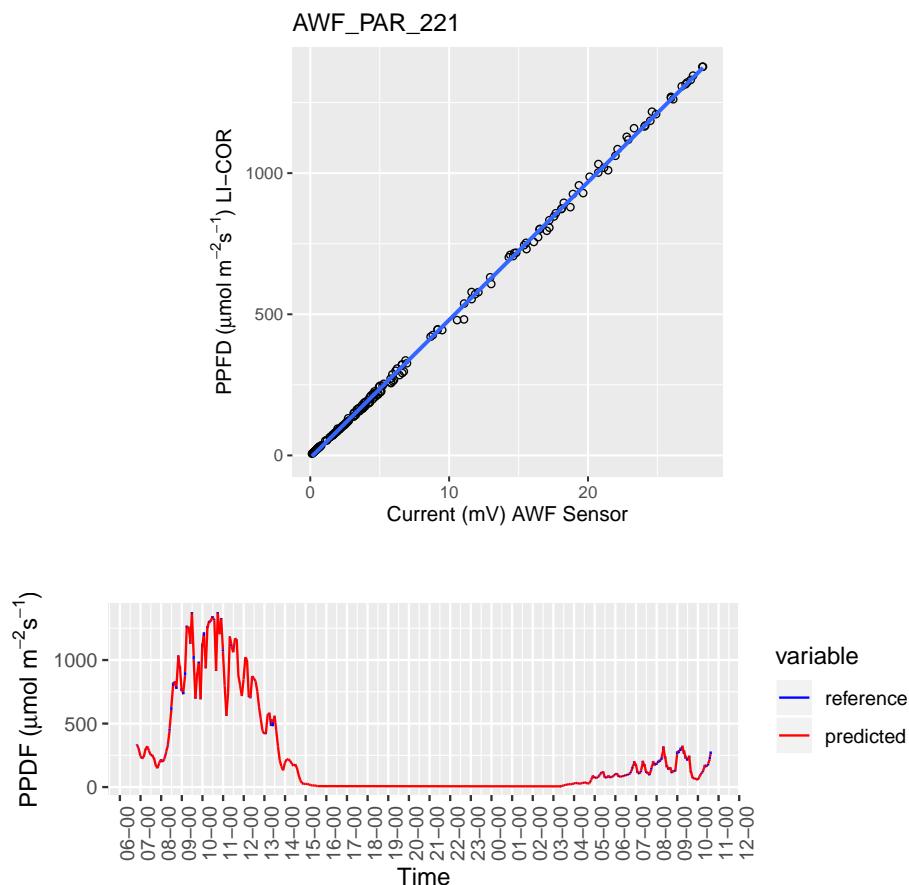
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_221 | 48.3258  | 0.0789     | 612.31  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 12.51 PPFD

Adjusted R-squared: 0.999



## SENSOR:222

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.084**

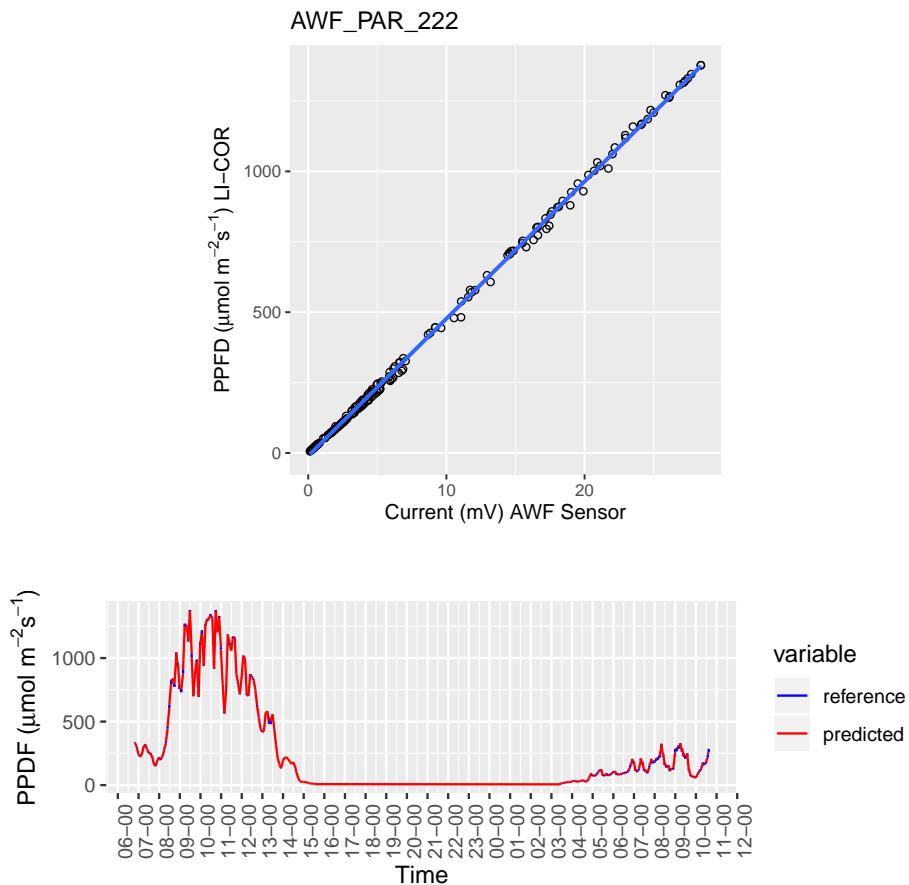
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_222 | 48.0839  | 0.0889     | 541.17  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 14.15 PPFD

Adjusted R-squared: 0.999



# SENSOR:223

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.375**

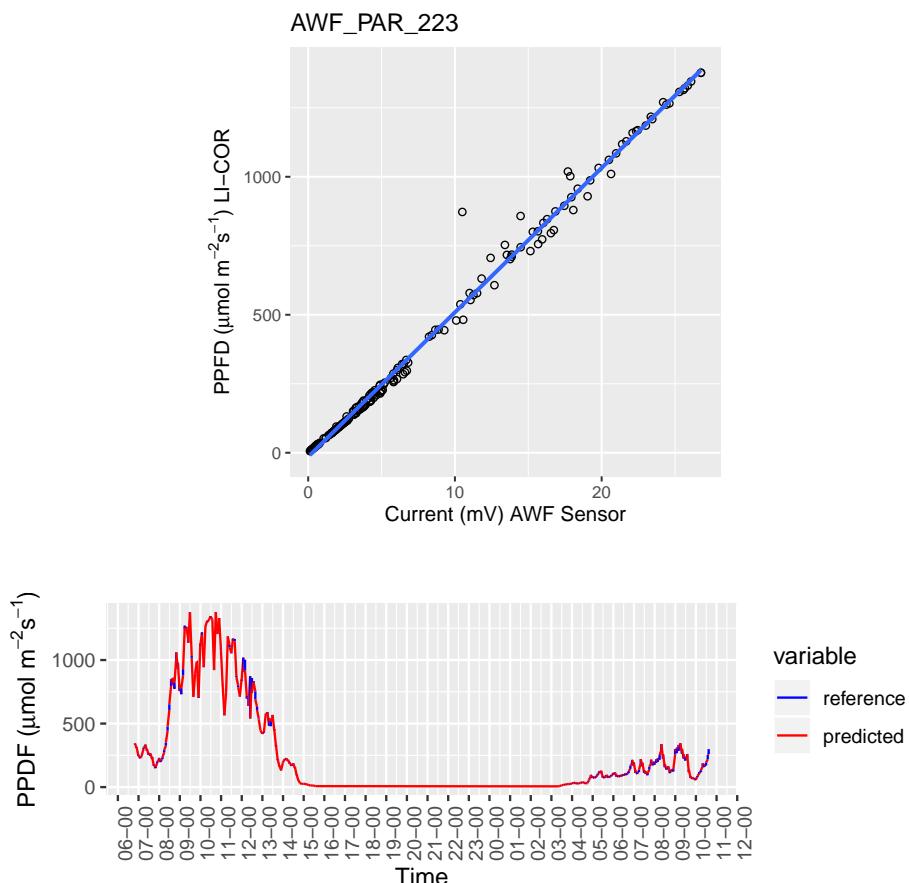
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_223 | 51.3754  | 0.2314     | 222.01  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 34.44 PPFD

Adjusted R-squared: 0.996



## SENSOR:224

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 51.973**

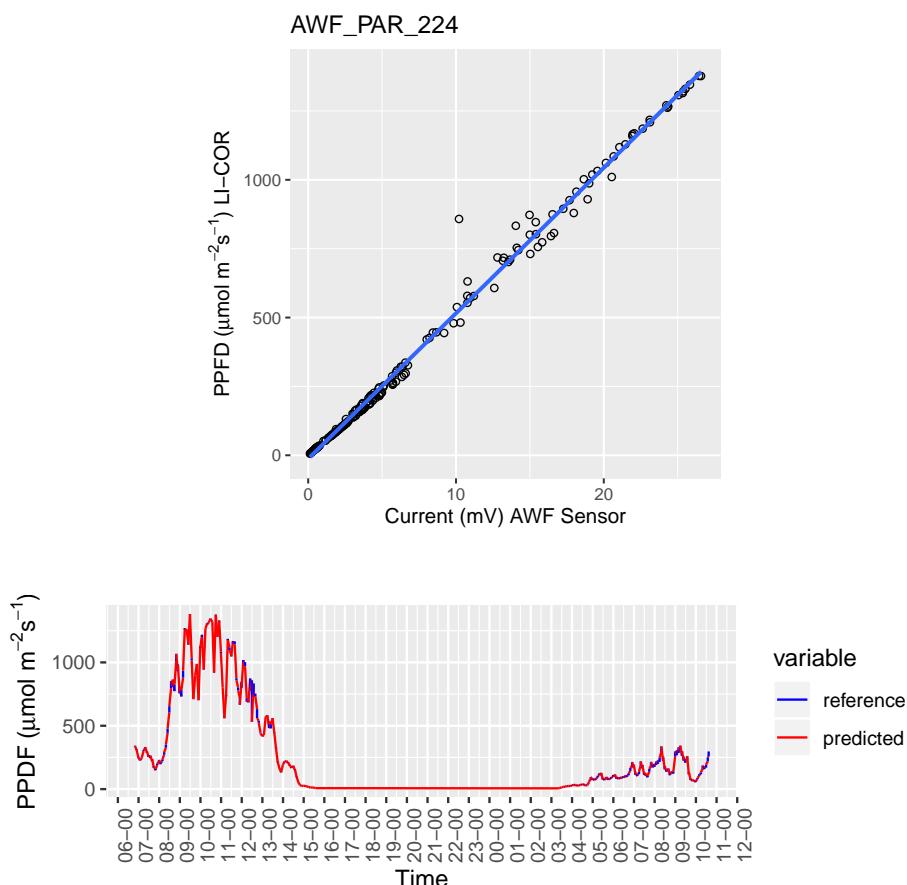
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_224 | 51.9734  | 0.2265     | 229.41  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 33.33 PPFD

Adjusted R-squared: 0.996



# SENSOR:225

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.752**

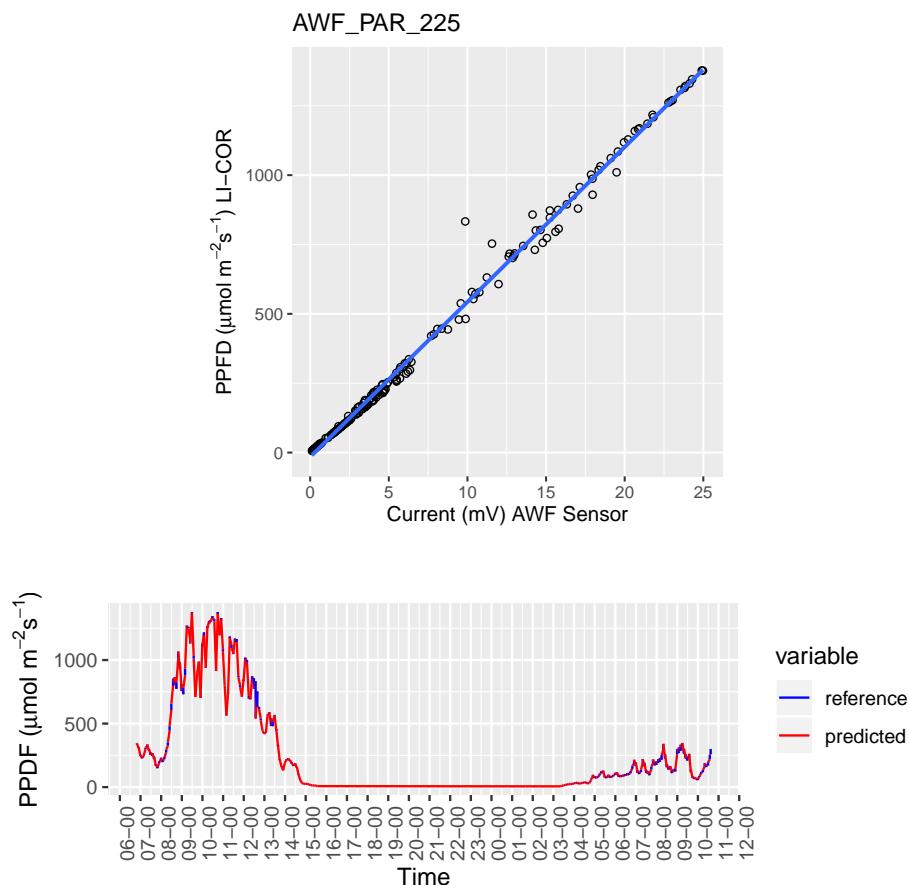
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_225 | 54.7519  | 0.2298     | 238.26  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 32.1 PPFD

Adjusted R-squared: 0.997



## SENSOR:226

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 52.274**

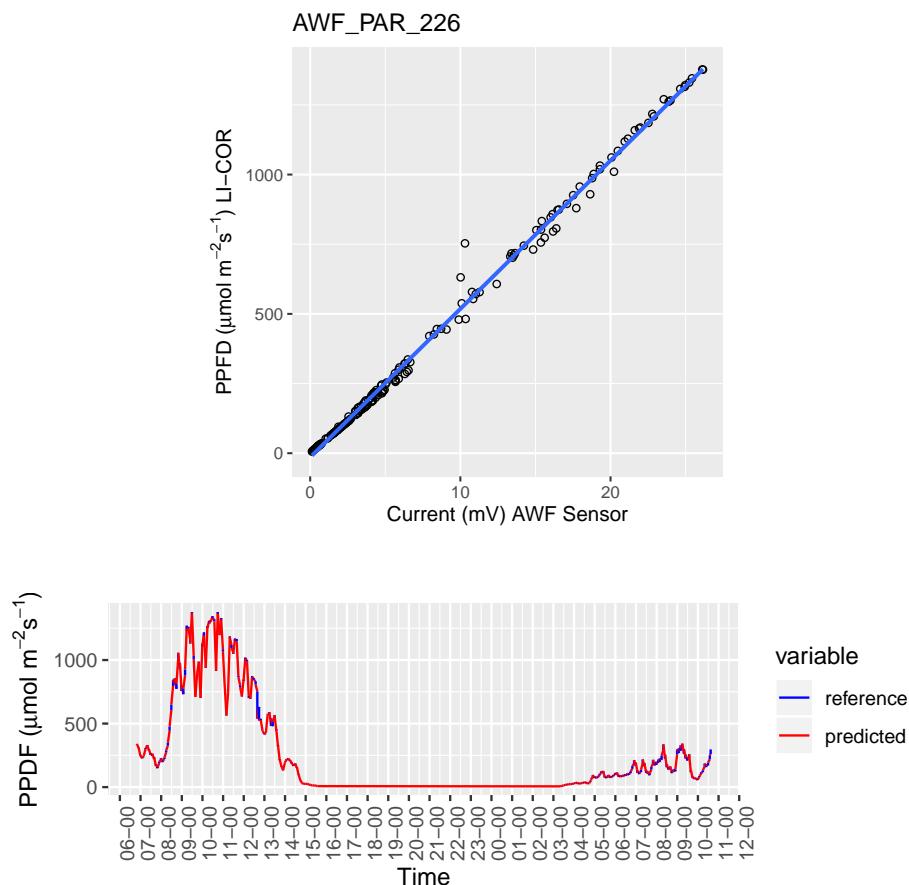
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_226 | 52.2737  | 0.1788     | 292.38  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 26.17 PPFD

Adjusted R-squared: 0.998



# SENSOR:227

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.671**

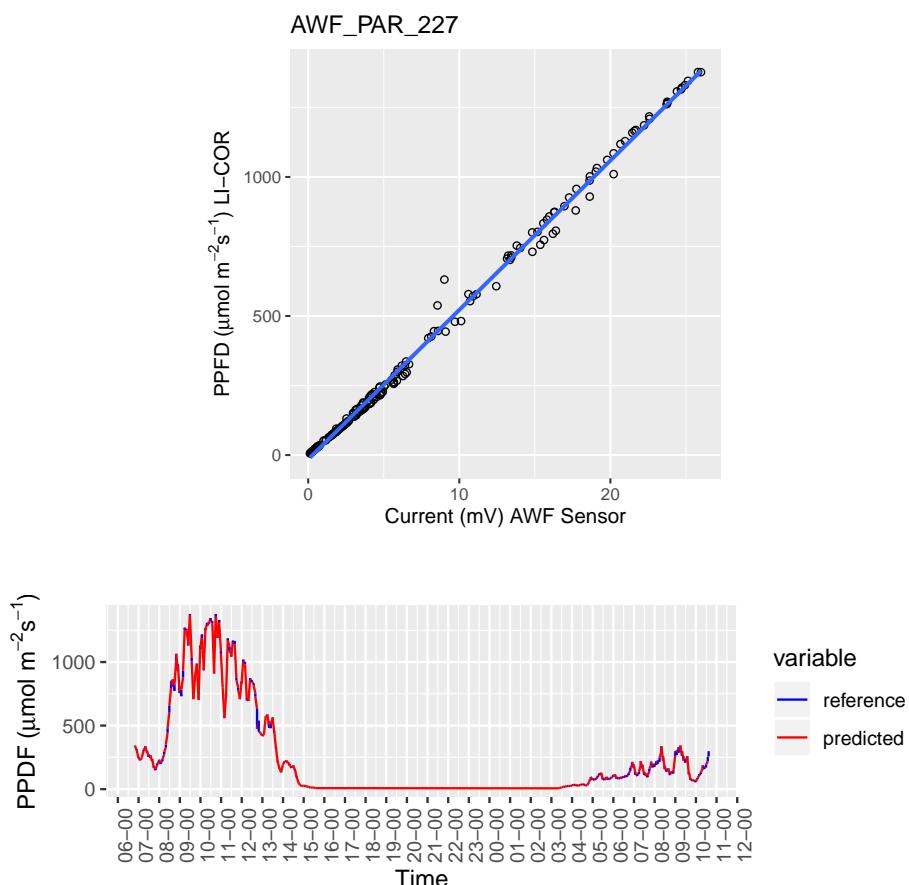
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_227 | 52.6713  | 0.1706     | 308.69  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 24.79 PPFD

Adjusted R-squared: 0.998



# SENSOR:228

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 57.061**

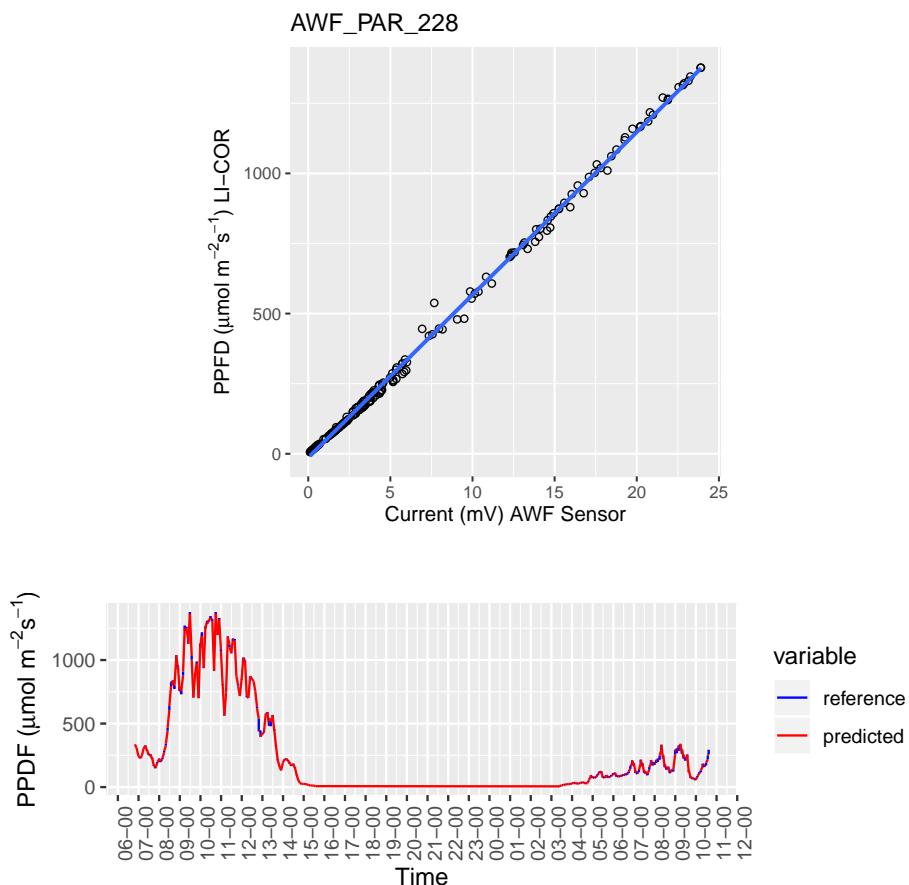
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_228 | 57.0615  | 0.1419     | 402.17  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 19.04 PPFD

Adjusted R-squared: 0.999



# SENSOR:229

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.416**

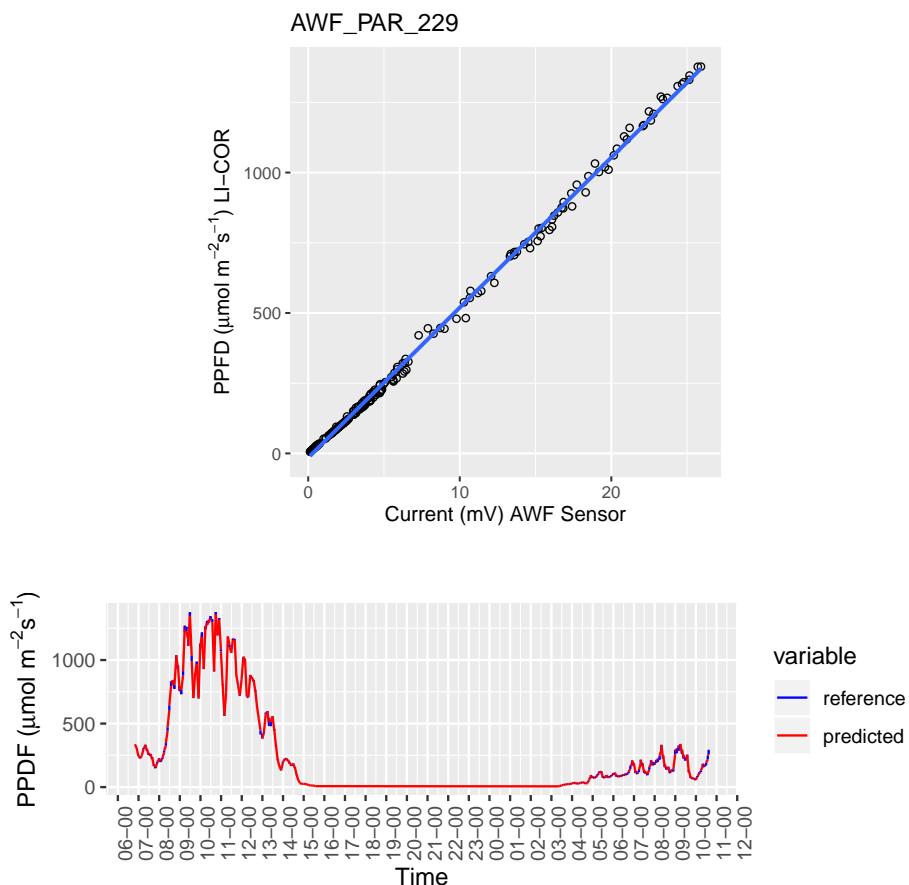
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_229 | 52.4155  | 0.1315     | 398.56  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 19.21 PPFD

Adjusted R-squared: 0.999



# SENSOR:230

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.642**

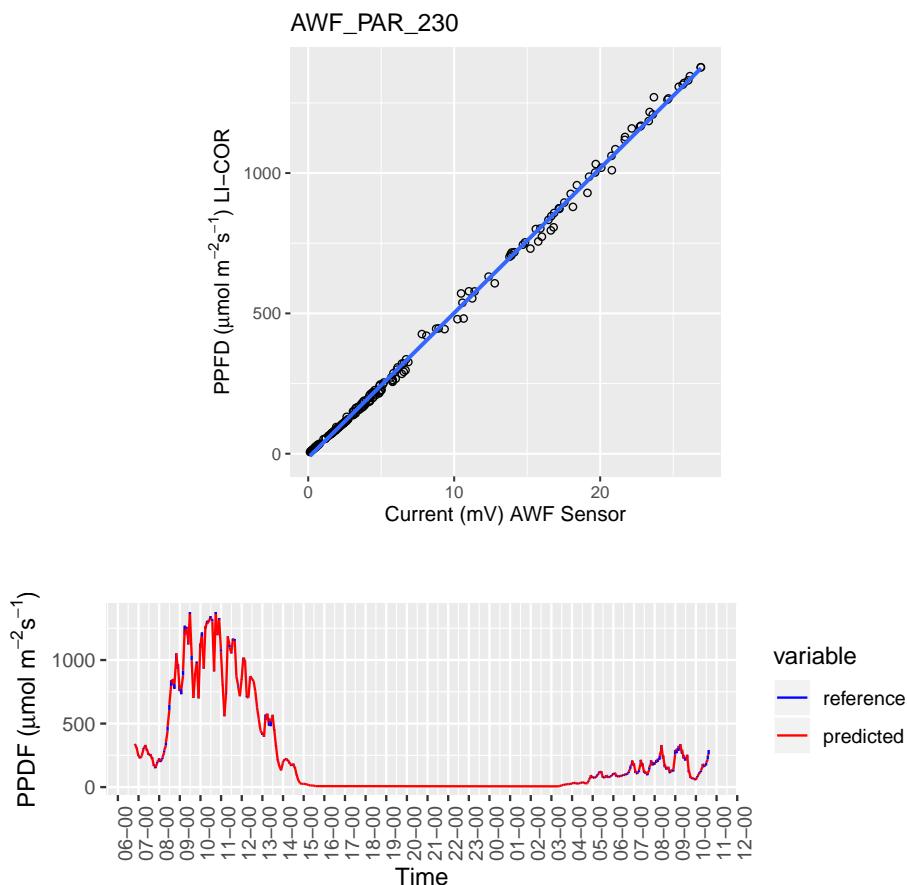
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_230 | 50.6423  | 0.1261     | 401.63  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 19.06 PPFD

Adjusted R-squared: 0.999



# SENSOR:231

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.59**

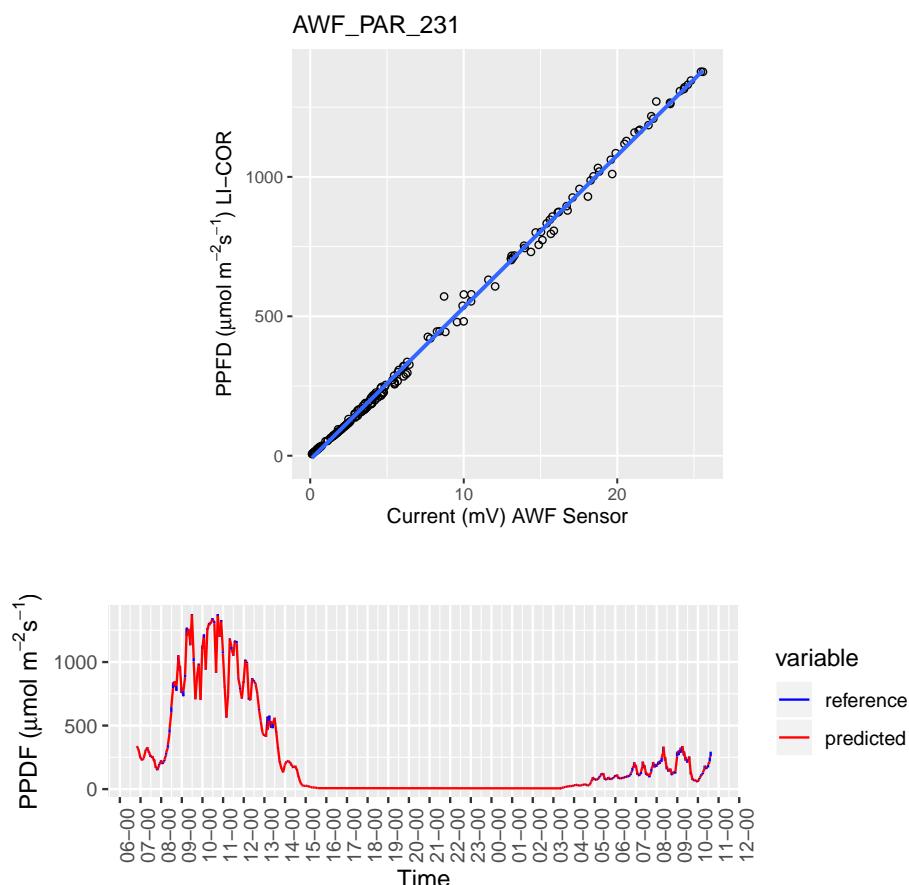
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_231 | 53.5900  | 0.1397     | 383.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 19.96 PPFD

Adjusted R-squared: 0.999



## SENSOR:232

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 50.471**

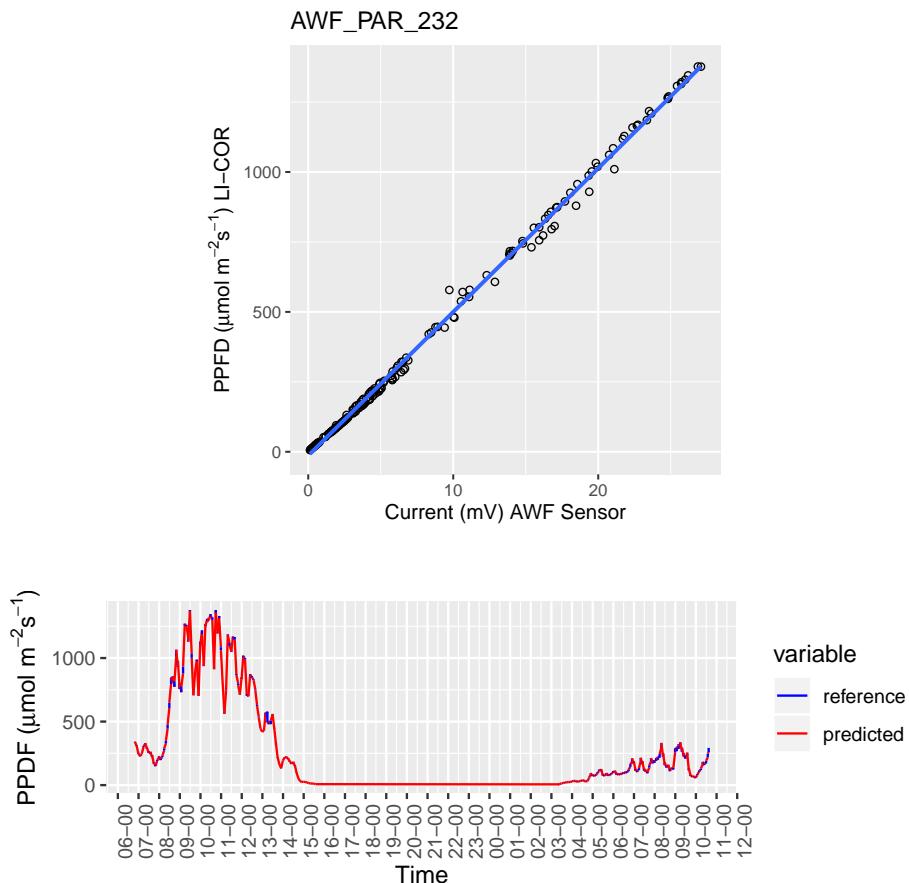
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_232 | 50.4715  | 0.1305     | 386.63  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 19.8 PPFD

Adjusted R-squared: 0.999



# SENSOR:233

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.721**

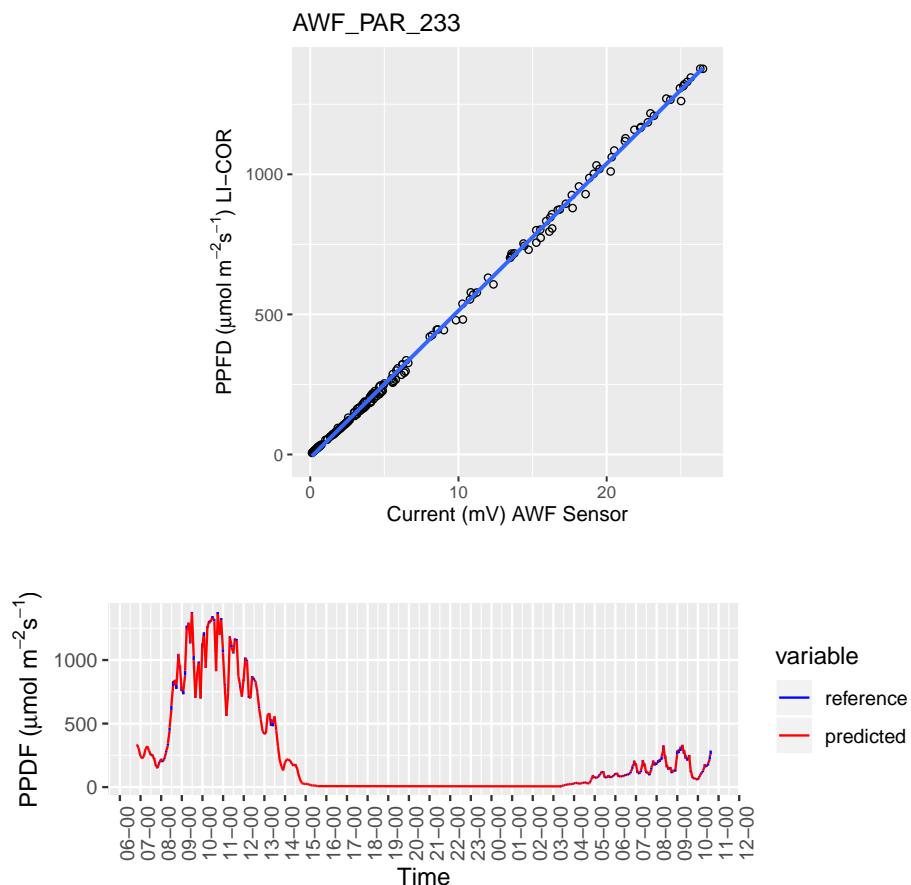
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_233 | 51.7213  | 0.1081     | 478.44  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 16 PPFD

Adjusted R-squared: 0.999



## SENSOR:234

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Mr 27 08:49:30 2018  
End: Mr 28 12:37:00 2018  
Duration: 28 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 195  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 51.631**

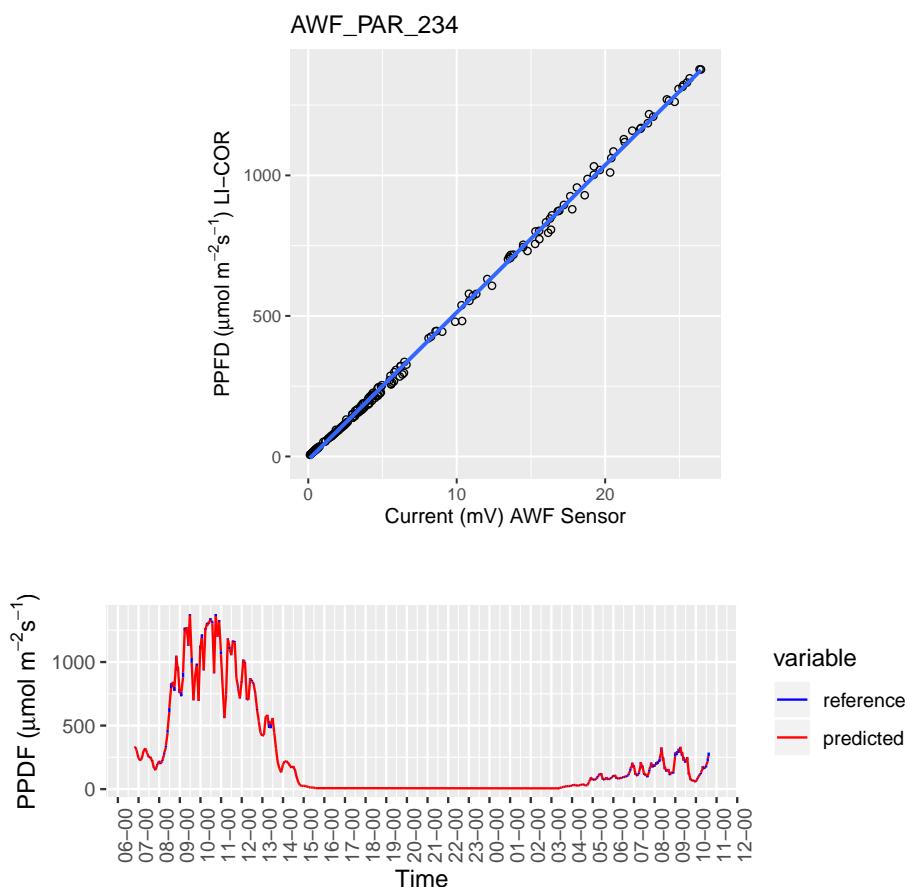
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_234 | 51.6309  | 0.1079     | 478.58  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 16 PPFD

Adjusted R-squared: 0.999



# SENSOR:235

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.56**

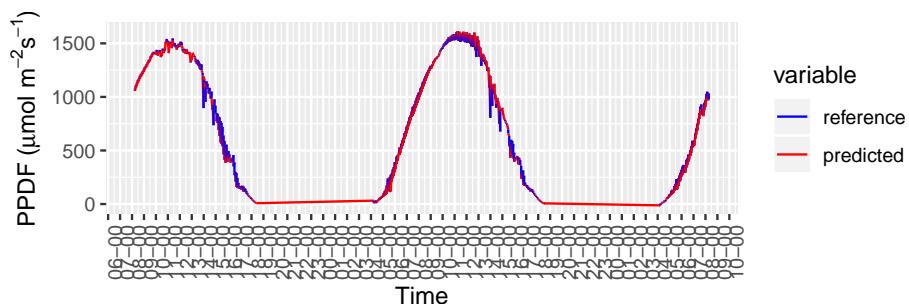
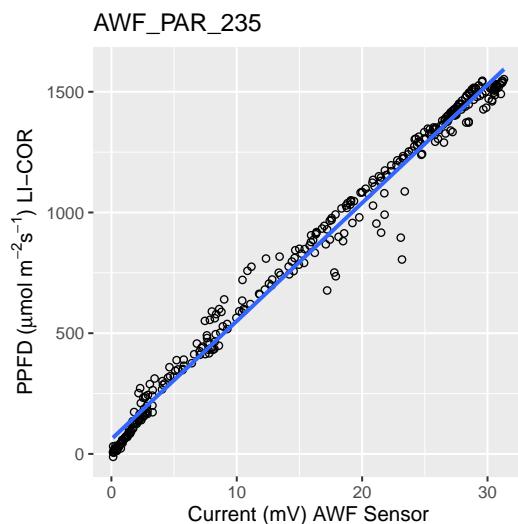
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_235 | 51.5597  | 0.1919     | 268.62  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 68.53 PPFD

Adjusted R-squared: 0.995



# SENSOR:236

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.505**

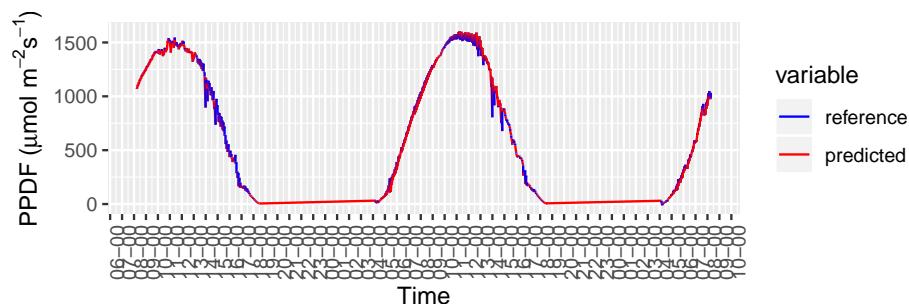
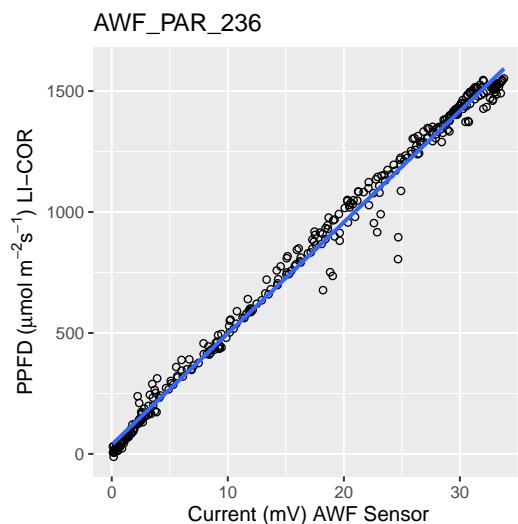
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_236 | 47.5048  | 0.1373     | 345.97  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 53.25 PPFD

Adjusted R-squared: 0.997



# SENSOR:237

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.07**

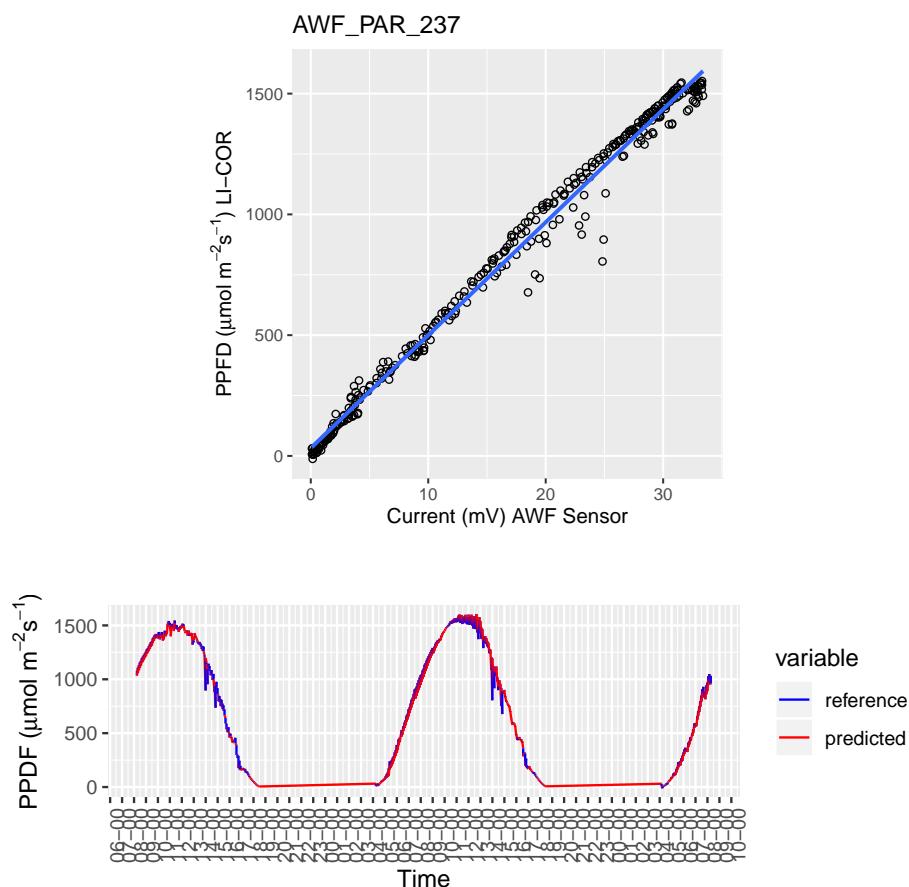
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_237 | 48.0703  | 0.1500     | 320.47  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 57.48 PPFD

Adjusted R-squared: 0.997



# SENSOR:238

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.522**

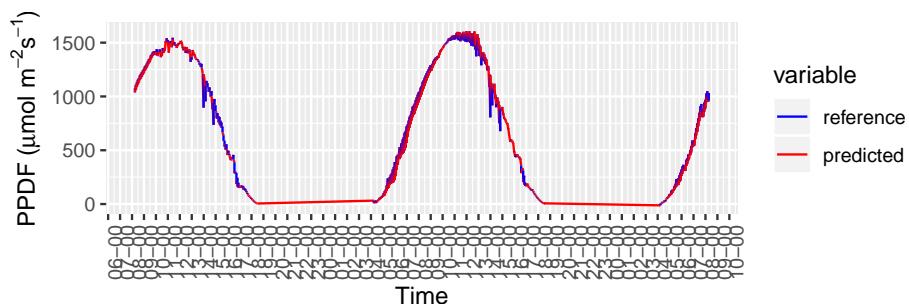
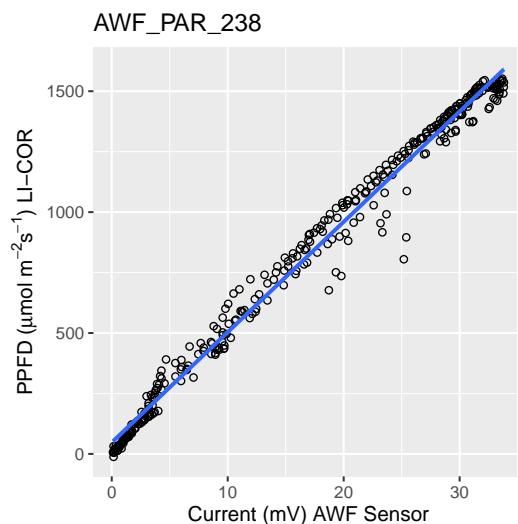
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_238 | 47.5218  | 0.1694     | 280.53  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.63 PPFD

Adjusted R-squared: 0.996



# SENSOR:239

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.193**

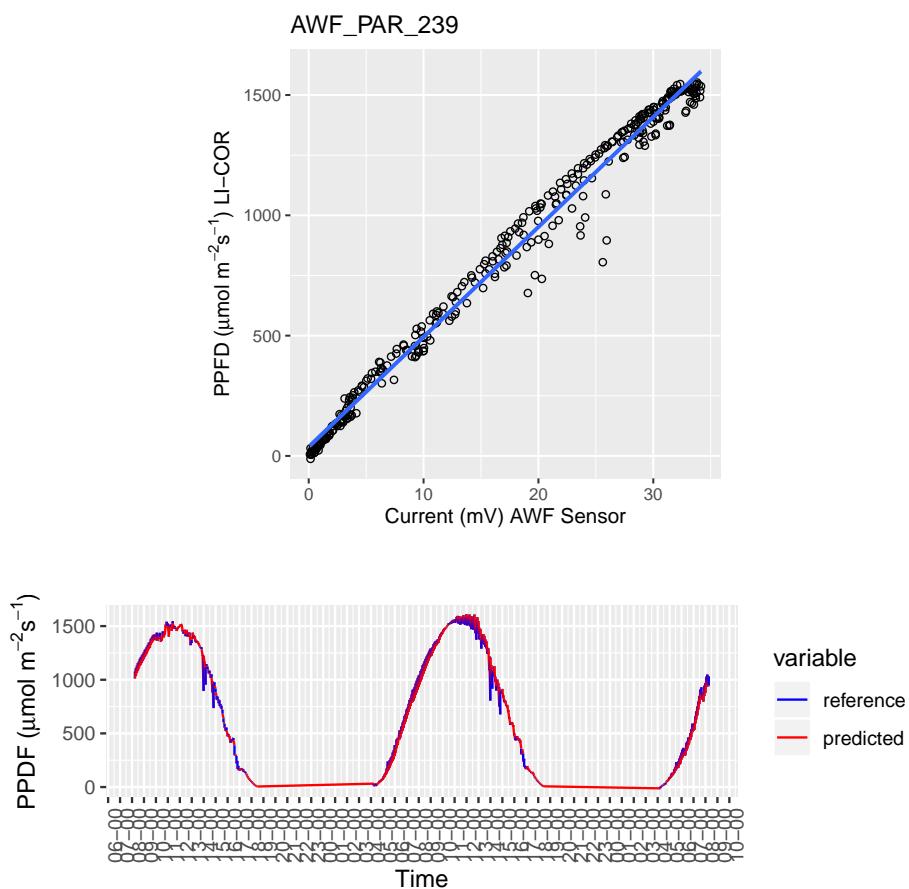
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_239 | 47.1932  | 0.1678     | 281.33  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.44 PPFD

Adjusted R-squared: 0.996



# SENSOR:240

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.615**

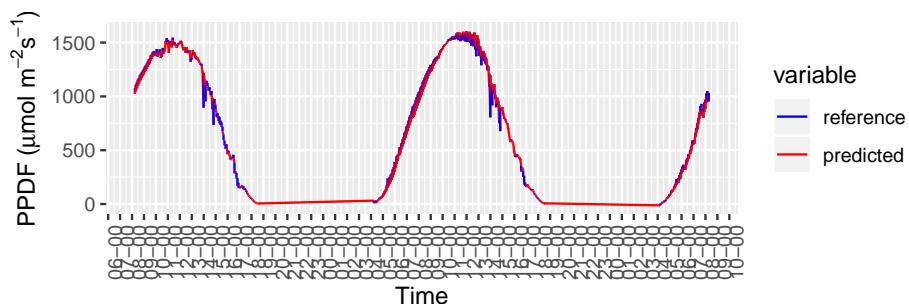
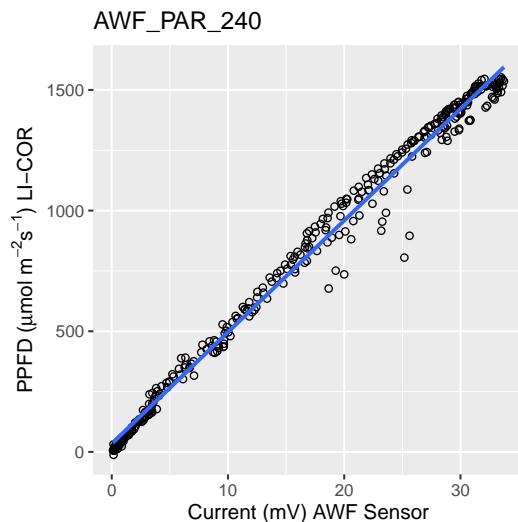
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_240 | 47.6150  | 0.1537     | 309.70  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 59.47 PPFD

Adjusted R-squared: 0.996



# SENSOR:241

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 46.073**

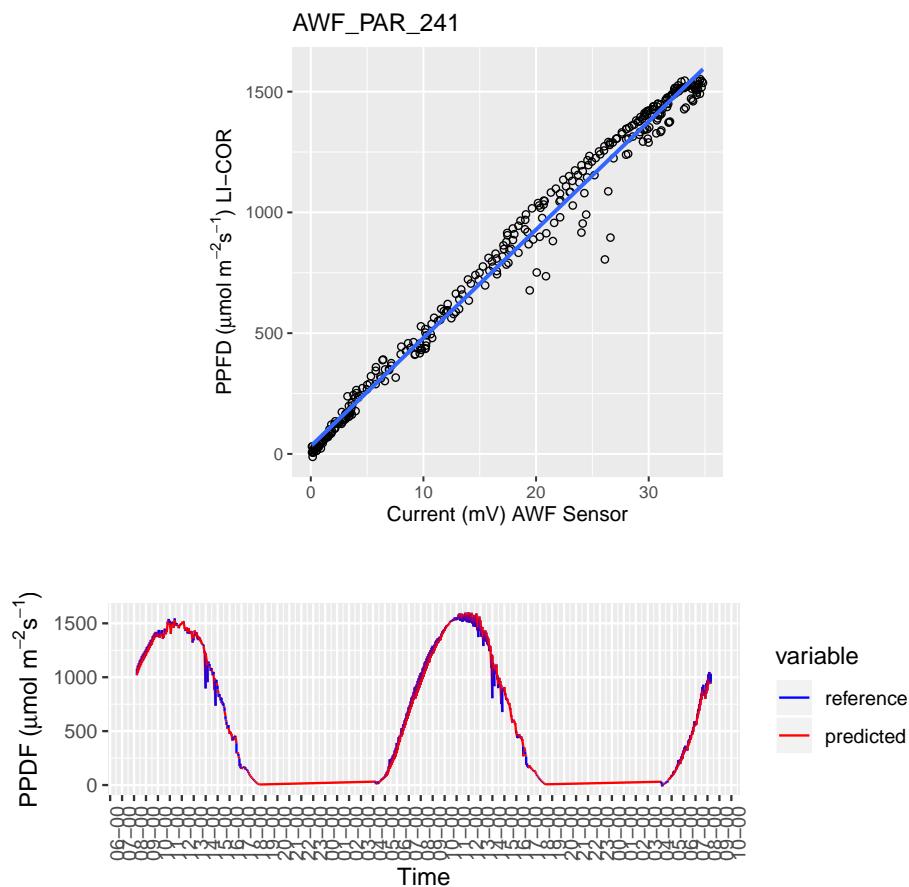
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_241 | 46.0728  | 0.1536     | 300.03  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 61.38 PPFD

Adjusted R-squared: 0.996



## SENSOR:242

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.443**

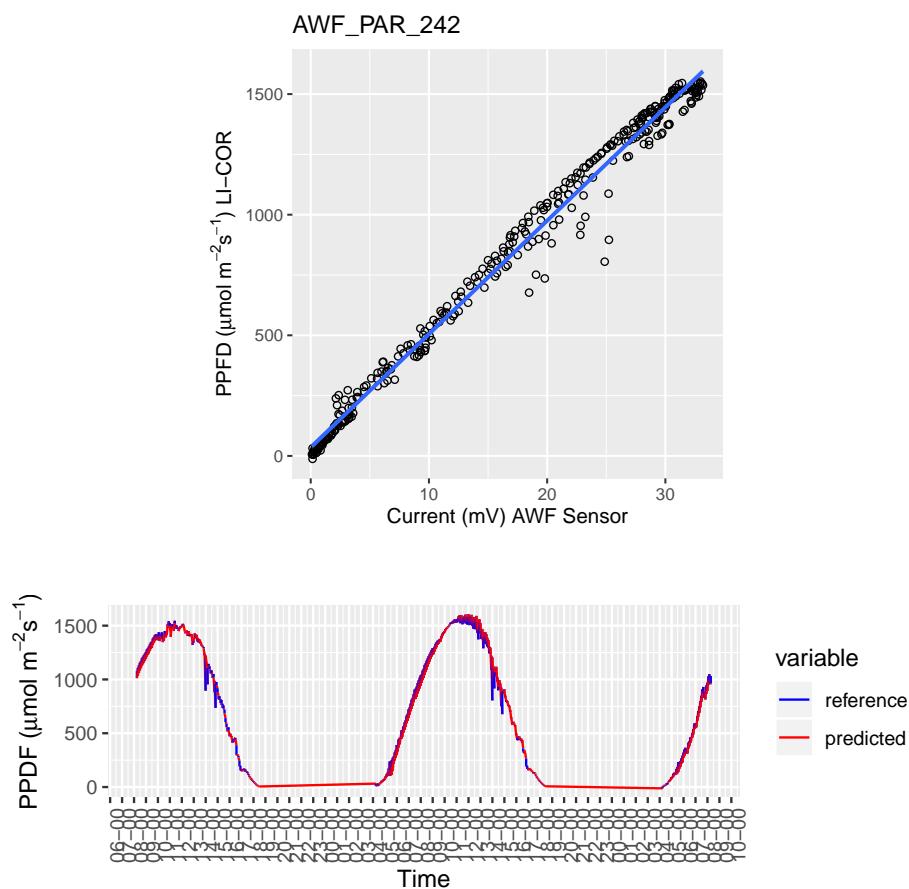
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_242 | 48.4428  | 0.1636     | 296.17  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 62.18 PPFD

Adjusted R-squared: 0.996



# SENSOR:243

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.493**

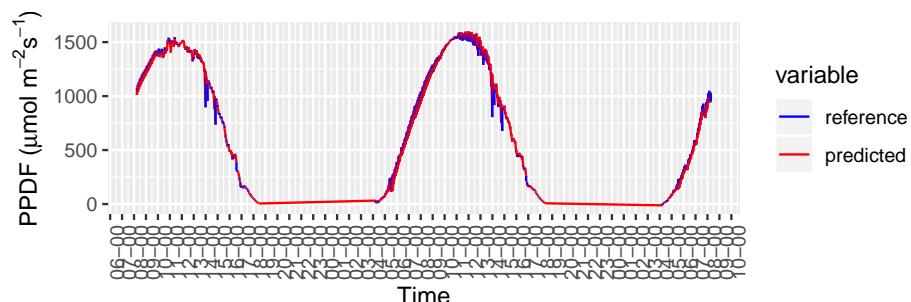
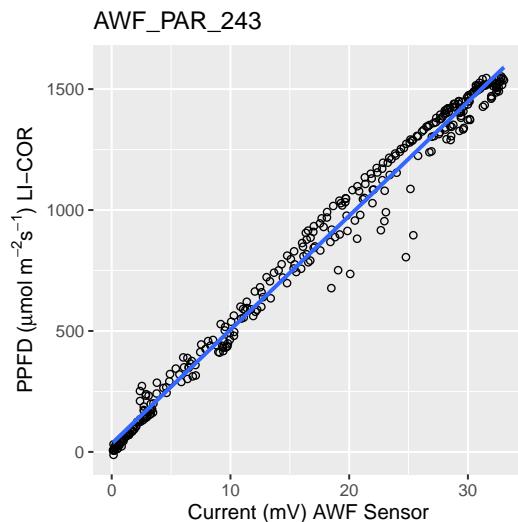
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_243 | 48.4927  | 0.1672     | 290.03  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 63.49 PPFD

Adjusted R-squared: 0.996



# SENSOR:244

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.956**

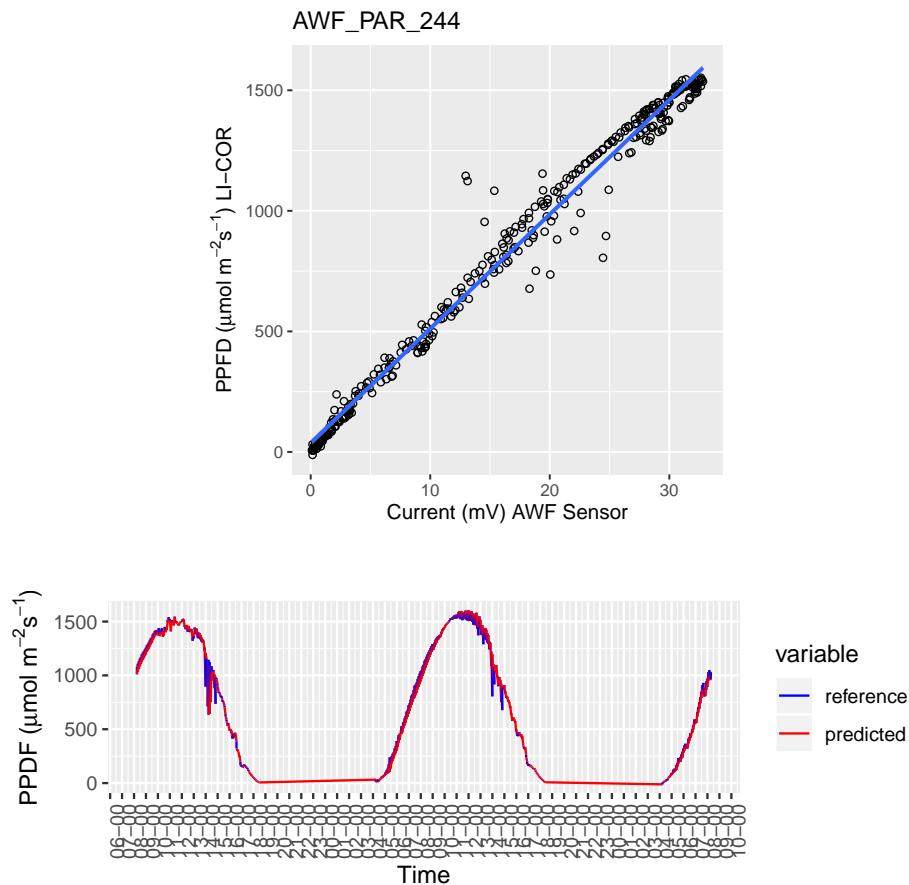
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_244 | 48.9557  | 0.1980     | 247.21  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 74.43 PPFD

Adjusted R-squared: 0.994



## SENSOR:245

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 50.196**

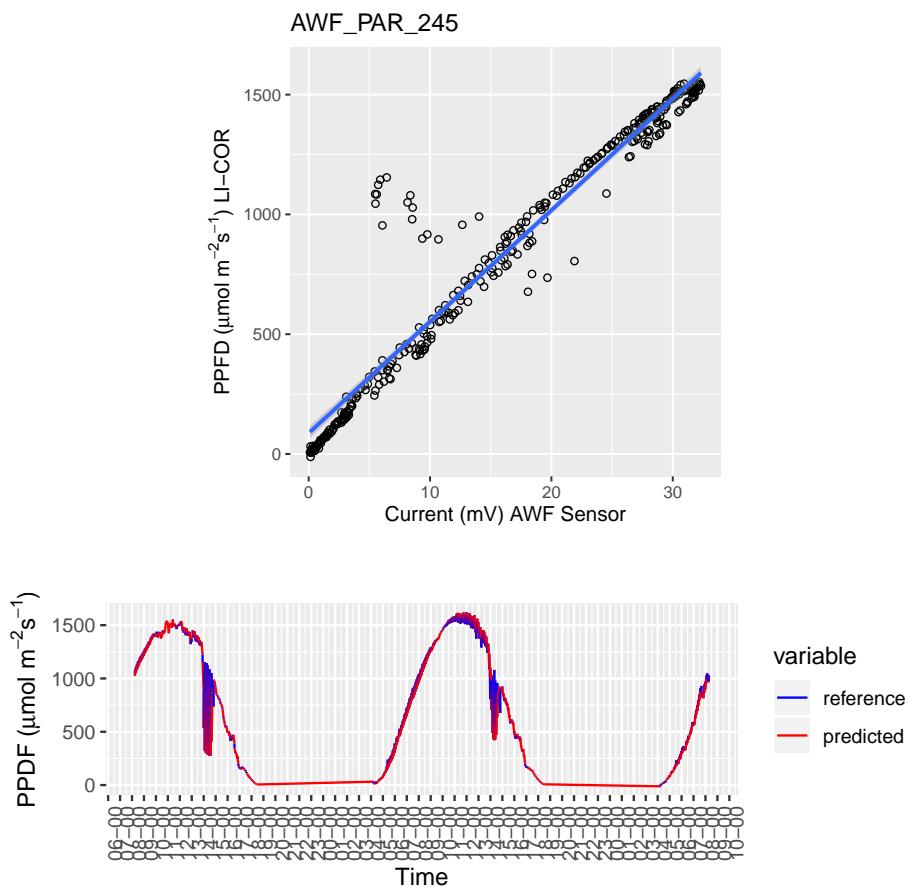
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_245 | 50.1956  | 0.4074     | 123.22  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 148.07 PPFD

Adjusted R-squared: 0.978



## SENSOR:246

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 48.456**

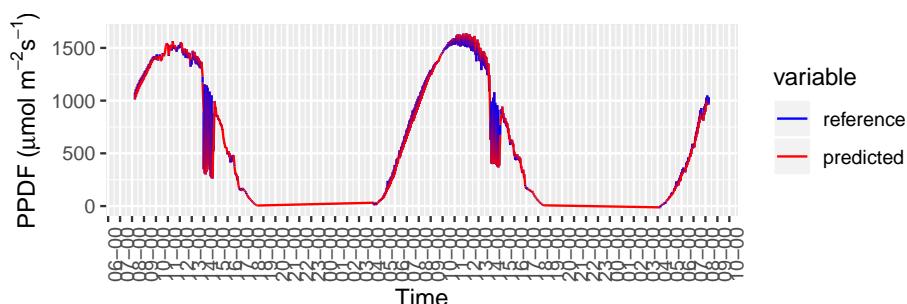
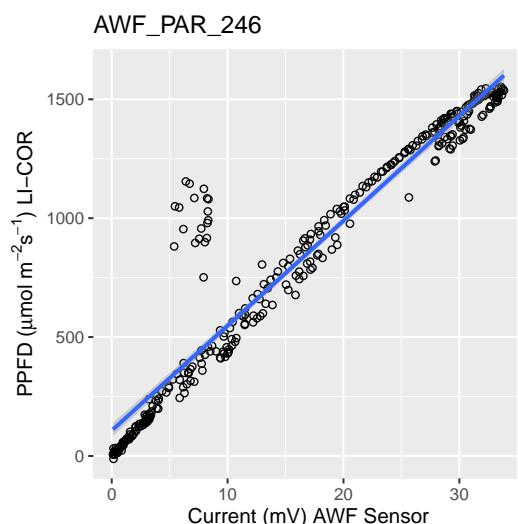
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_246 | 48.4563  | 0.4342     | 111.59  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 163.11 PPFD

Adjusted R-squared: 0.973



# SENSOR:247

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.873**

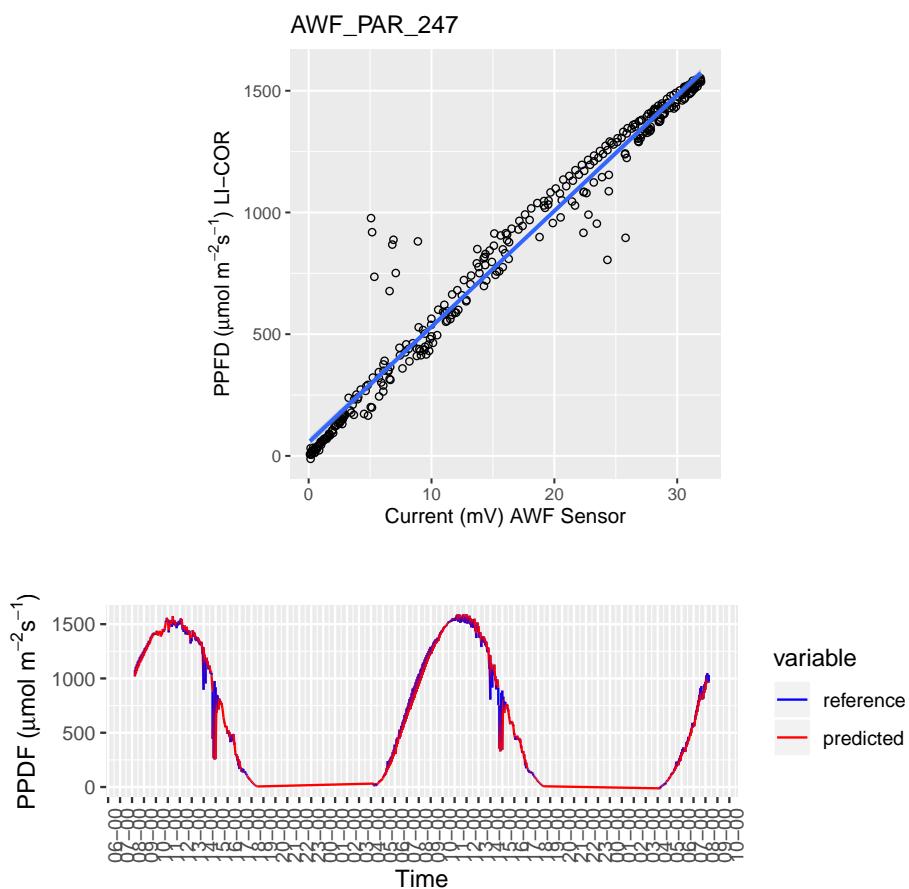
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_247 | 49.8731  | 0.2713     | 183.83  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 99.86 PPFD

Adjusted R-squared: 0.99



## SENSOR:248

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 47.854**

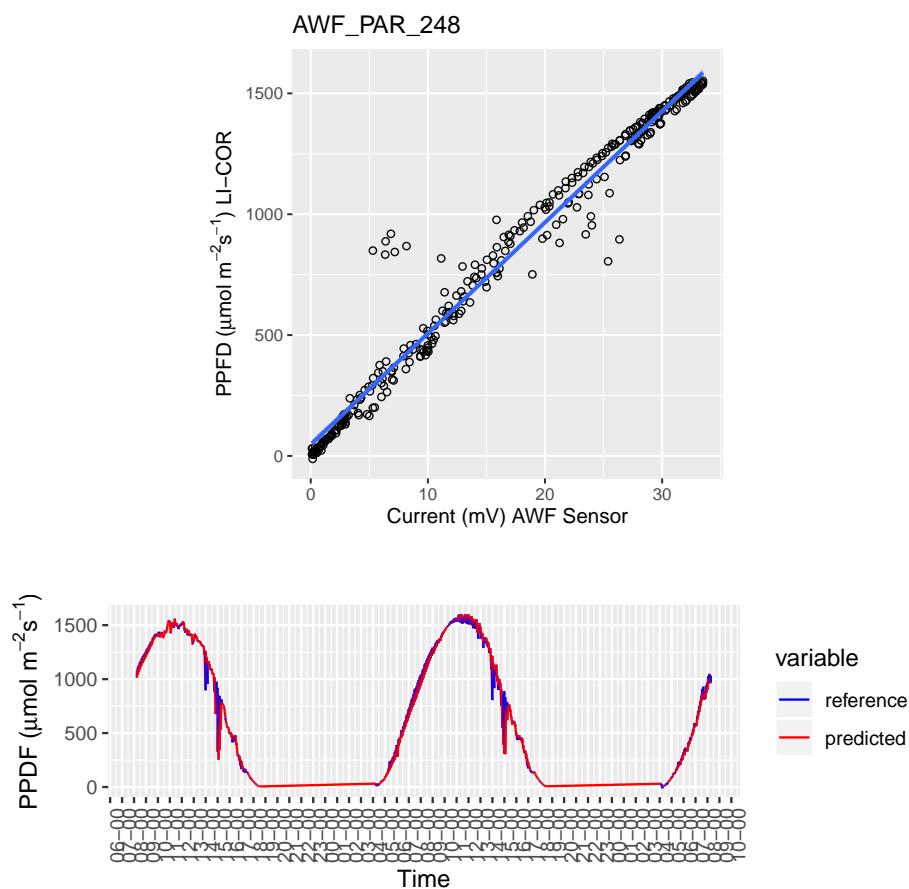
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_248 | 47.8541  | 0.2451     | 195.26  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 94.07 PPFD

Adjusted R-squared: 0.991



# SENSOR:249

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.504**

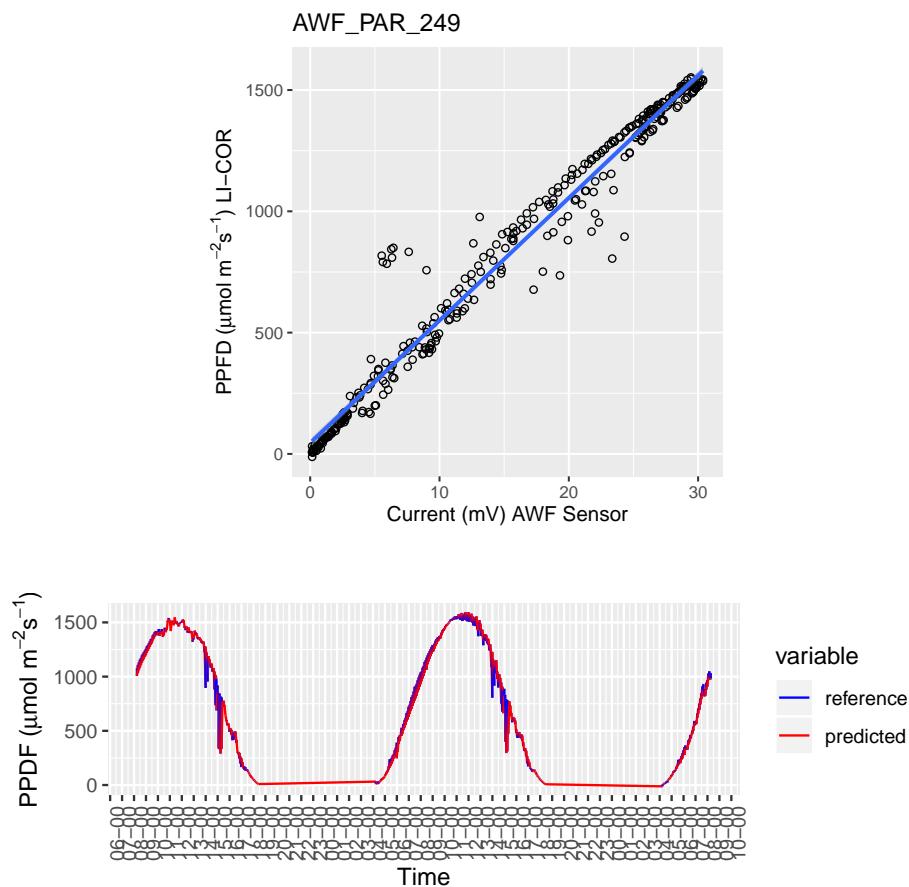
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_249 | 52.5041  | 0.2794     | 187.95  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 97.7 PPFD

Adjusted R-squared: 0.99



# SENSOR:250

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 55.237**

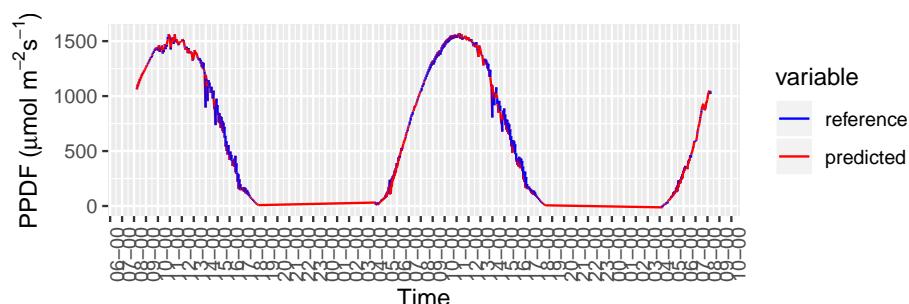
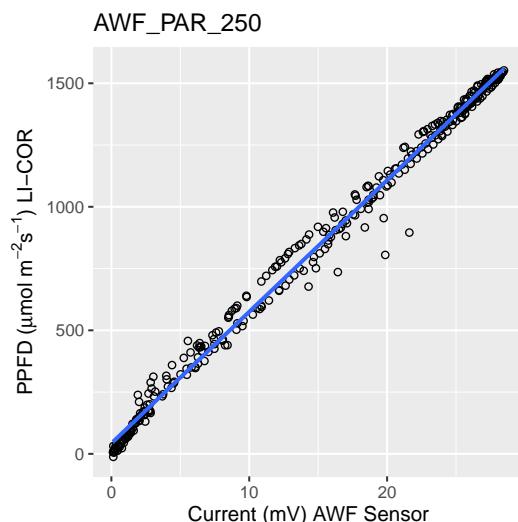
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_250 | 55.2366  | 0.1540     | 358.71  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 51.37 PPFD

Adjusted R-squared: 0.997



# SENSOR:251

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.01**

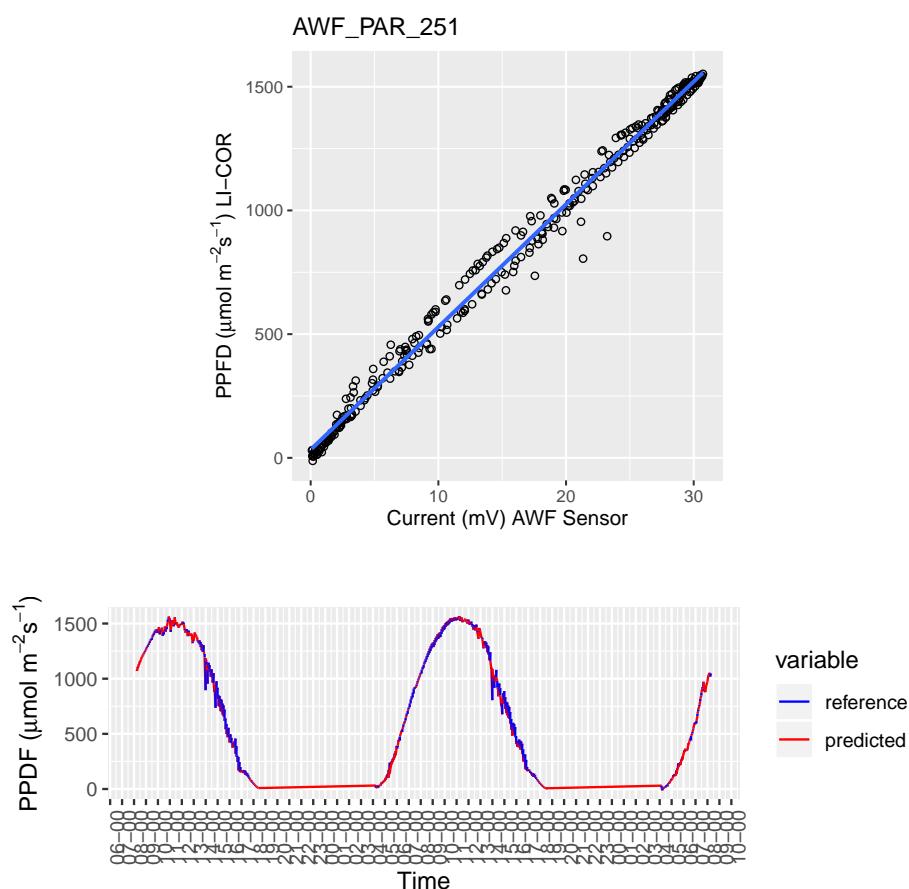
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_251 | 51.0102  | 0.1394     | 365.96  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 50.35 PPFD

Adjusted R-squared: 0.997



## SENSOR:252

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 49.765**

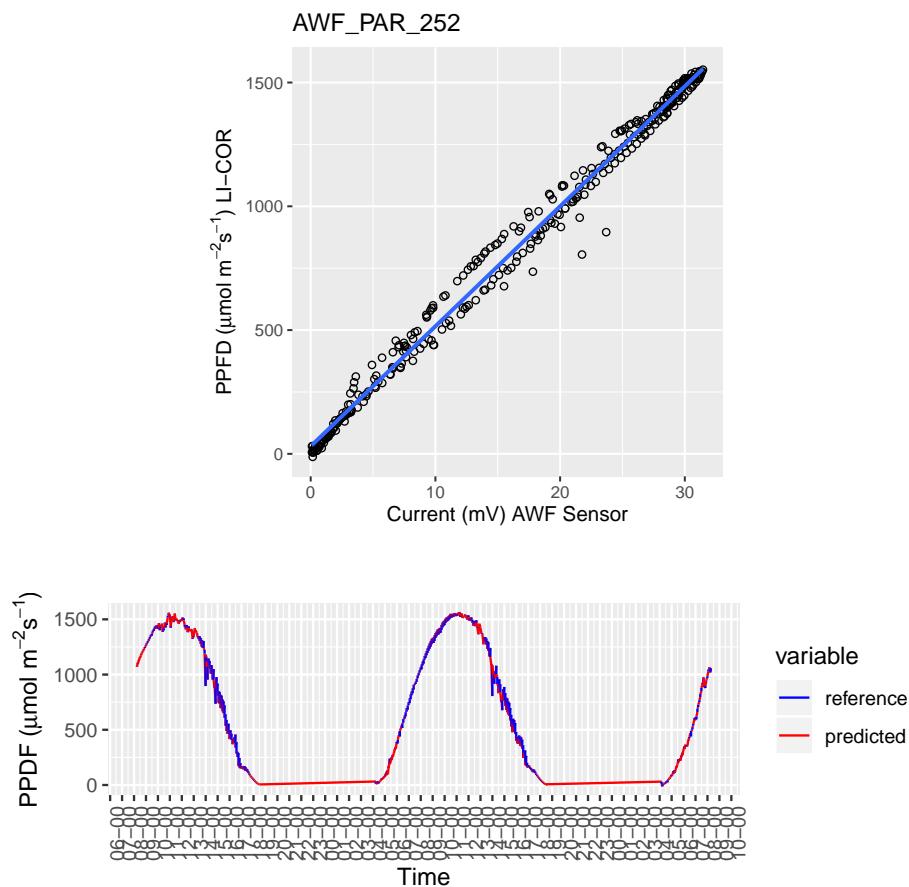
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_252 | 49.7649  | 0.1406     | 353.85  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 52.07 PPFD

Adjusted R-squared: 0.997



# SENSOR:253

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.376**

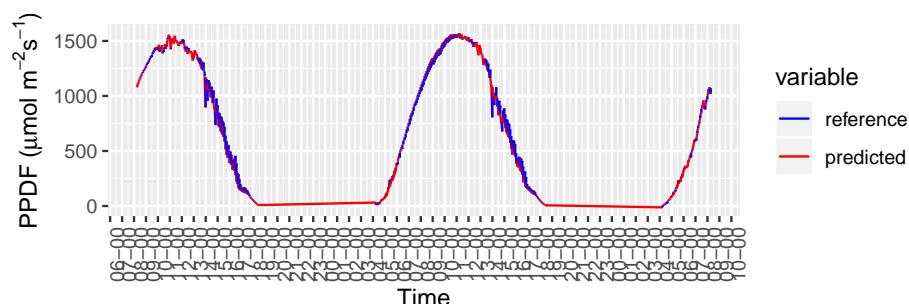
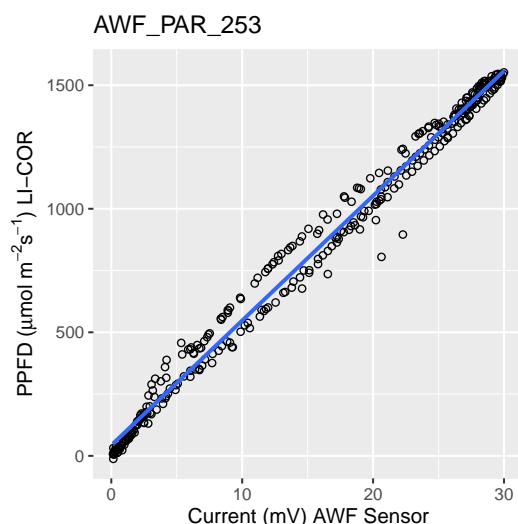
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_253 | 52.3761  | 0.1715     | 305.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 60.31 PPFD

Adjusted R-squared: 0.996



## SENSOR:254

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 52.818**

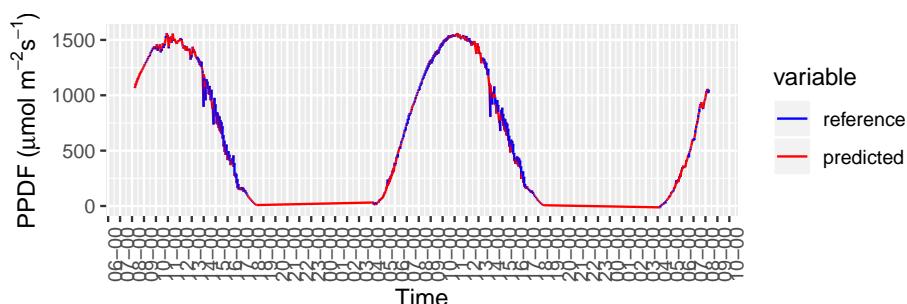
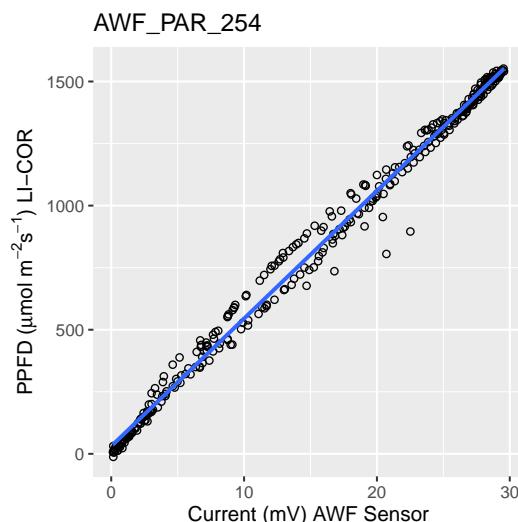
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_254 | 52.8178  | 0.1421     | 371.78  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 49.57 PPFD

Adjusted R-squared: 0.998



# SENSOR:255

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.428**

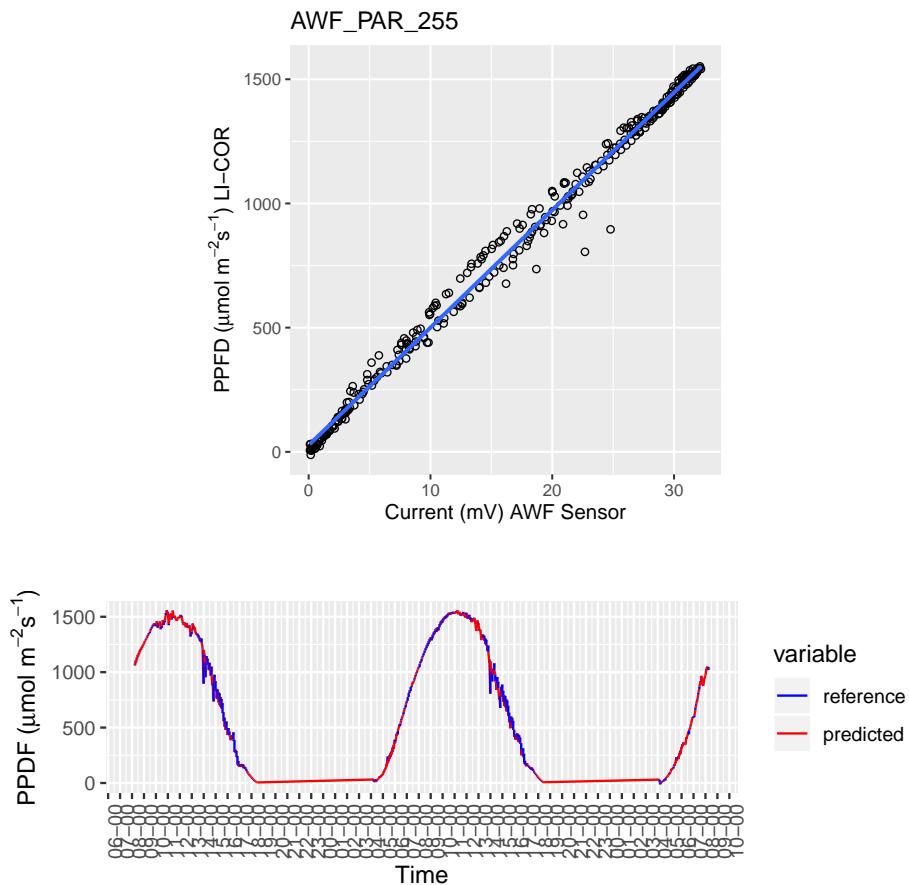
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_255 | 48.4282  | 0.1190     | 407.02  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 45.29 PPFD

Adjusted R-squared: 0.998



# SENSOR:256

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.407**

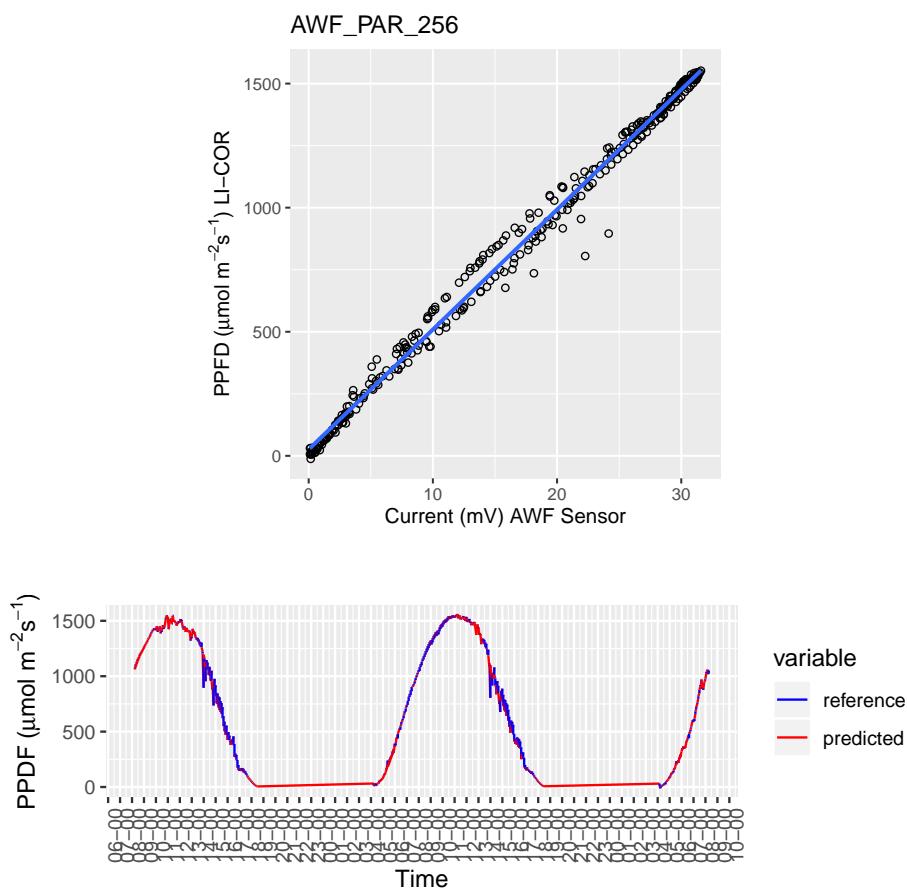
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_256 | 49.4069  | 0.1253     | 394.27  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 46.75 PPFD

Adjusted R-squared: 0.998



# SENSOR:257

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.91**

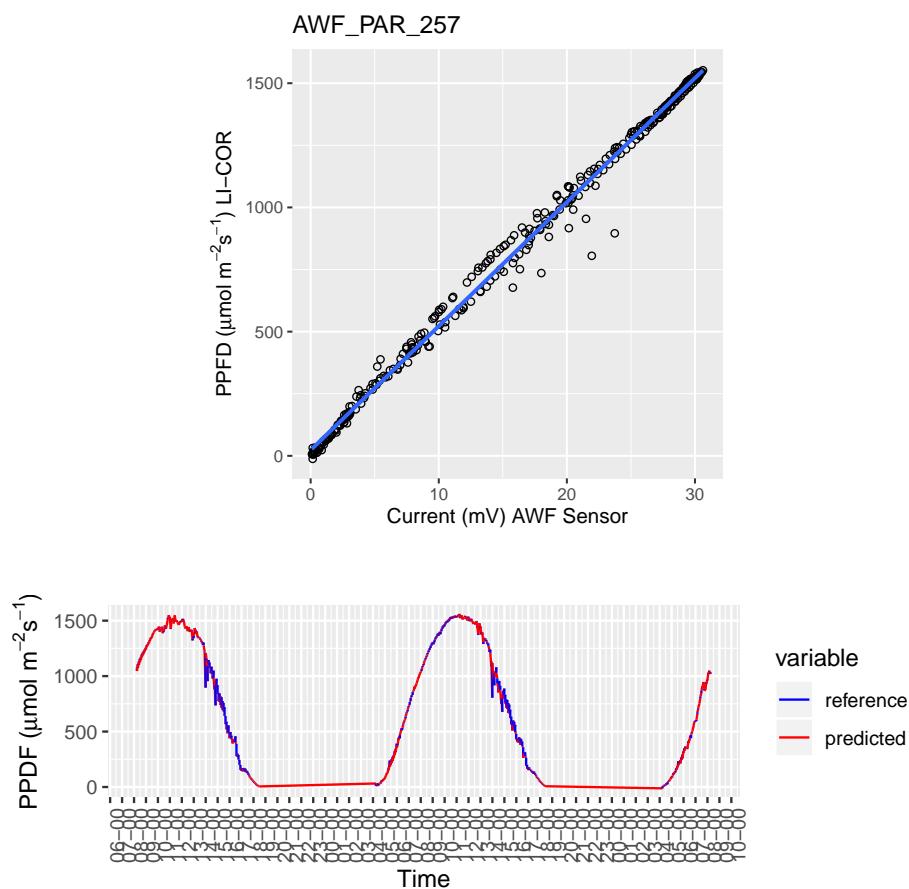
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_257 | 50.9097  | 0.1154     | 441.31  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.77 PPFD

Adjusted R-squared: 0.998



## SENSOR:258

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 51.053**

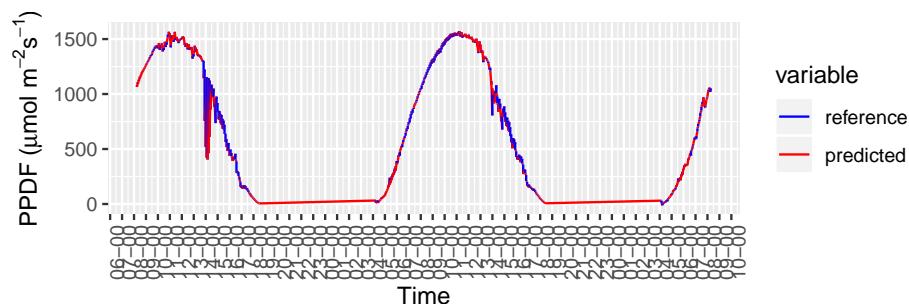
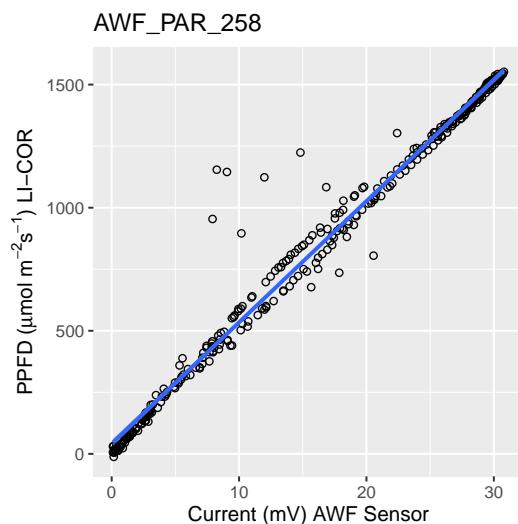
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_258 | 51.0534  | 0.2361     | 216.19  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 85.03 PPFD

Adjusted R-squared: 0.993



# SENSOR:259

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.782**

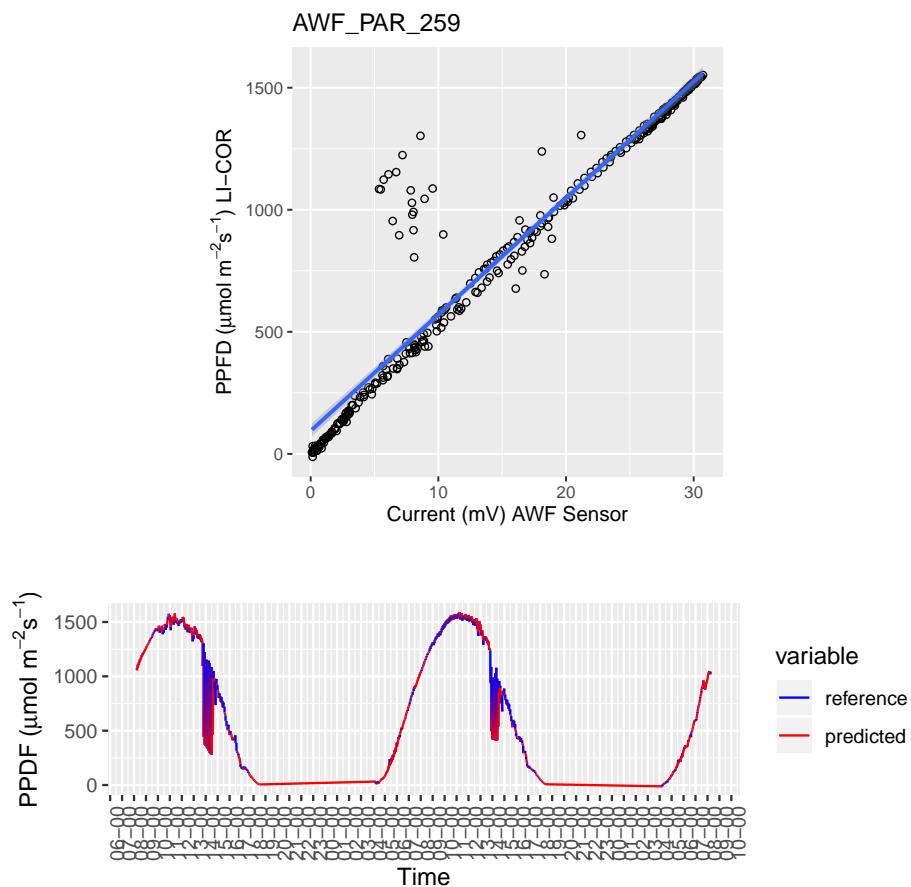
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_259 | 51.7820  | 0.4505     | 114.93  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 158.48 PPFD

Adjusted R-squared: 0.975



# SENSOR:260

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.004**

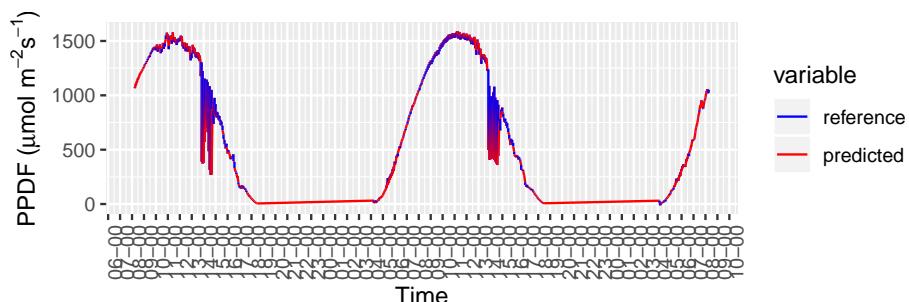
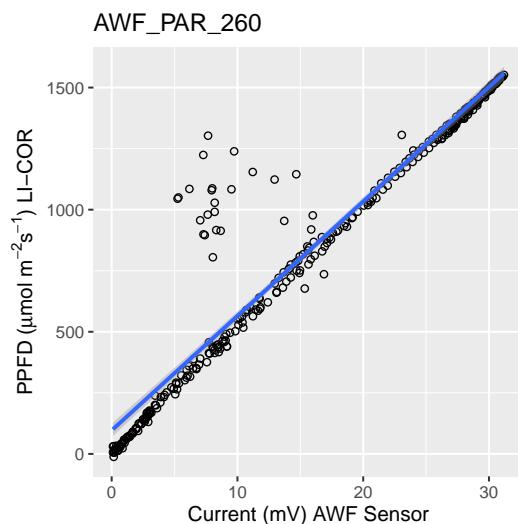
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_260 | 51.0038  | 0.4487     | 113.67  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 160.19 PPFD

Adjusted R-squared: 0.974



# SENSOR:261

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.355**

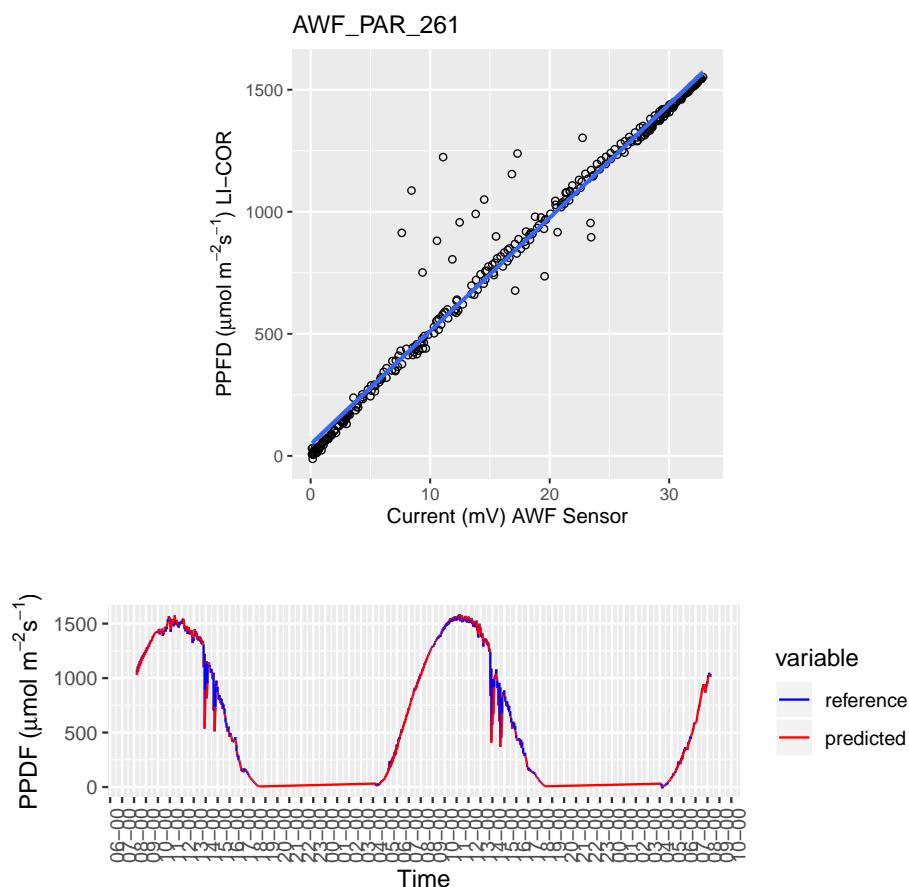
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_261 | 48.3554  | 0.2288     | 211.35  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 86.97 PPFD

Adjusted R-squared: 0.992



## SENSOR:262

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 54.699**

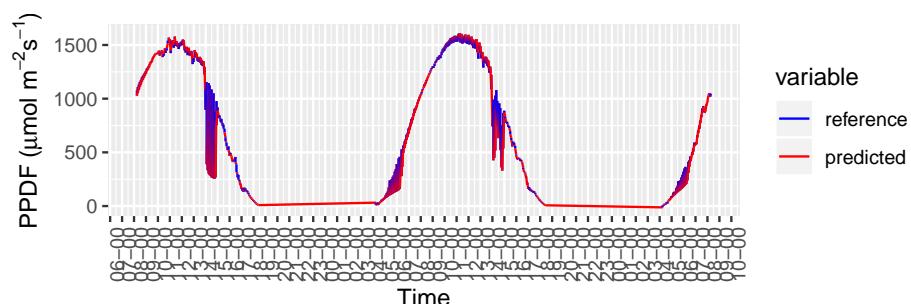
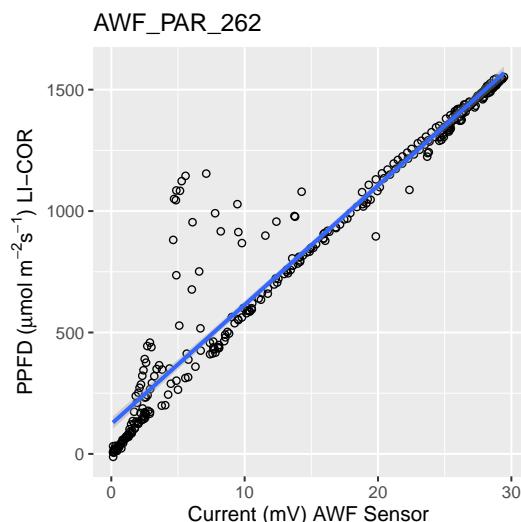
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_262 | 54.6987  | 0.4695     | 116.51  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 156.4 PPFD

Adjusted R-squared: 0.975



# SENSOR:263

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.009**

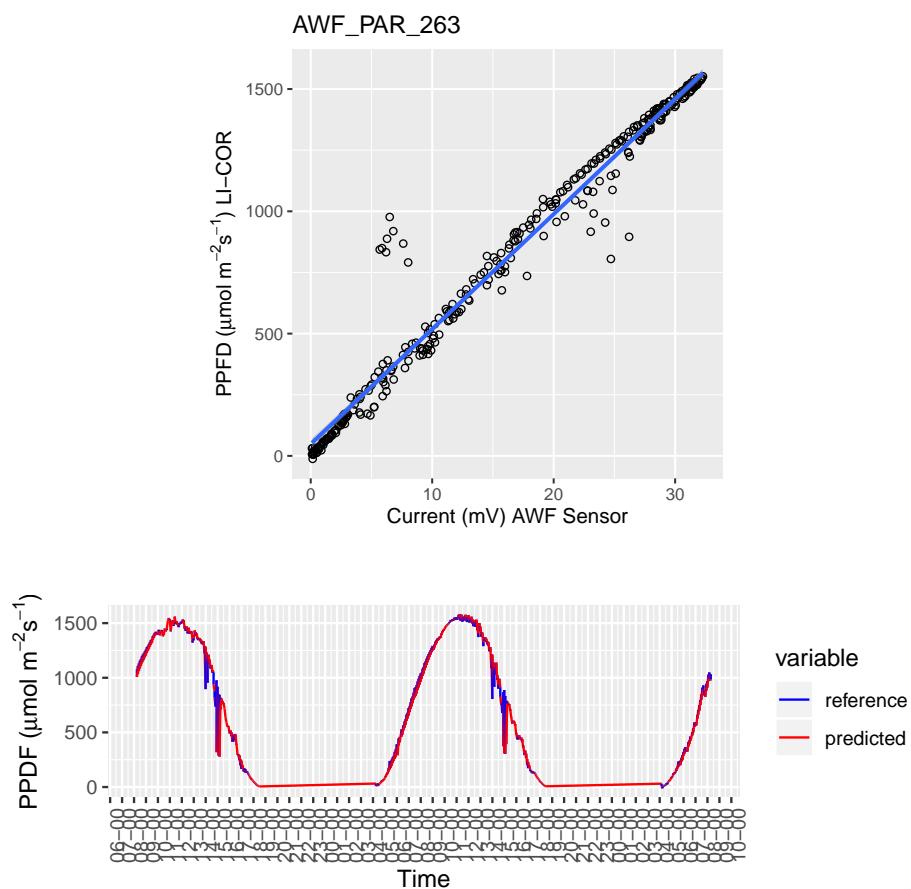
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_263 | 49.0092  | 0.2640     | 185.67  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 98.88 PPFD

Adjusted R-squared: 0.99



# SENSOR:264

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.473**

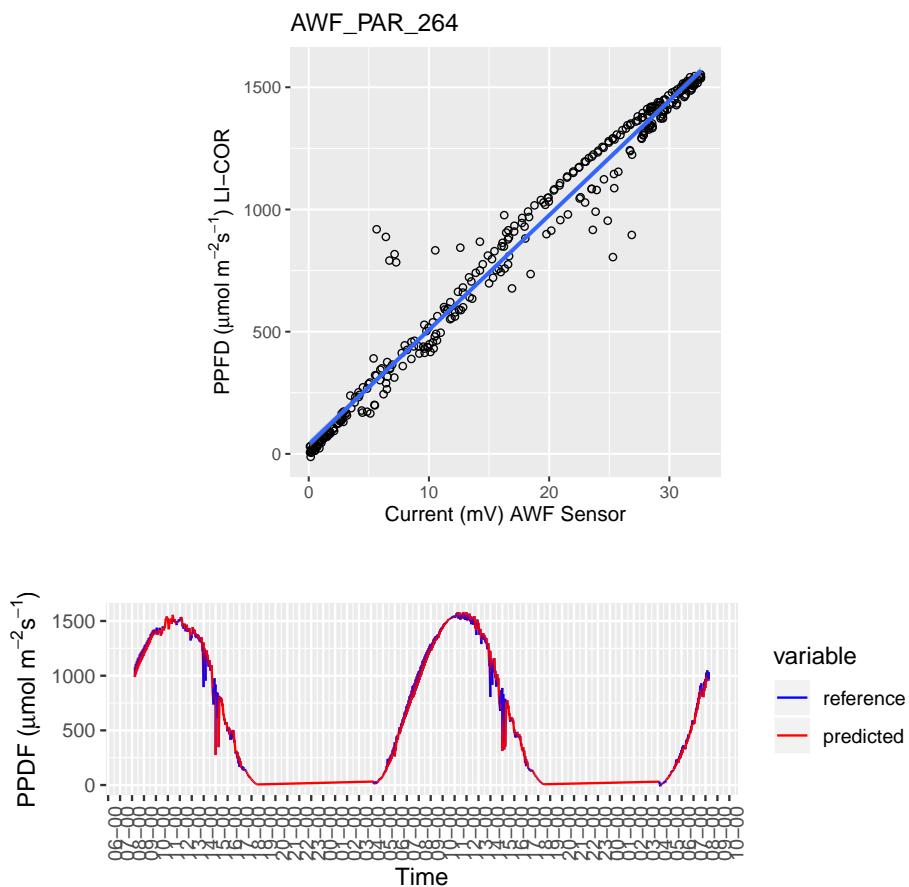
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_264 | 48.4727  | 0.2406     | 201.43  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 91.21 PPFD

Adjusted R-squared: 0.992



# SENSOR:265

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 47.811**

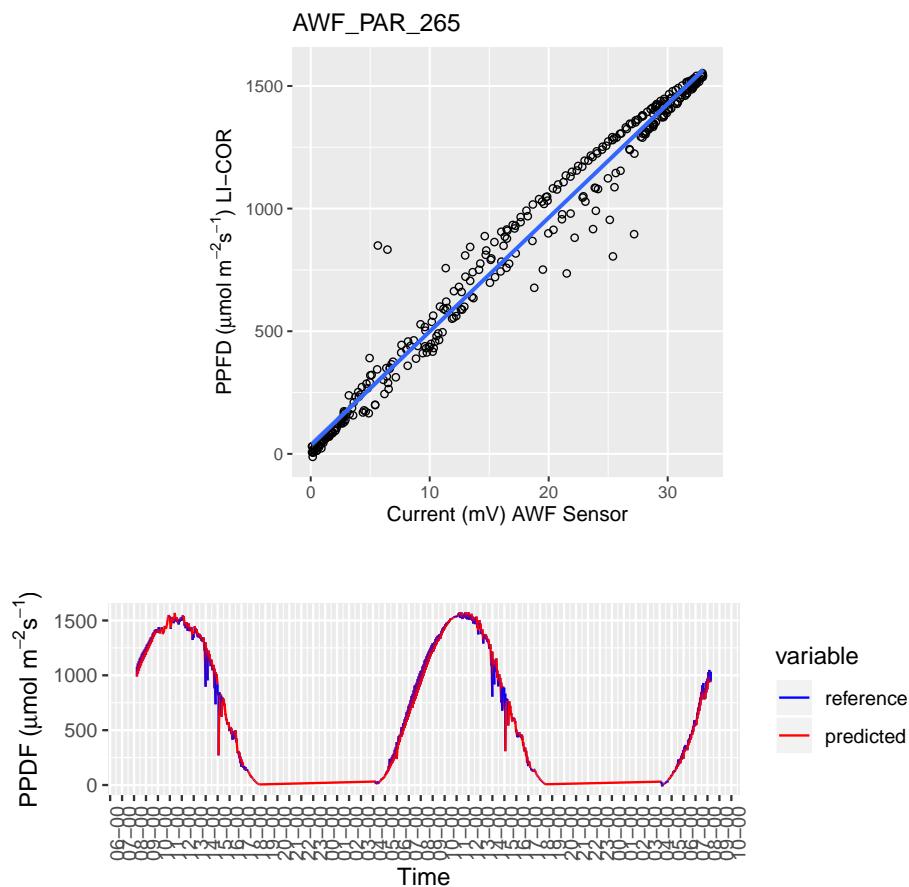
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_265 | 47.8108  | 0.2154     | 222.01  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 82.82 PPFD

Adjusted R-squared: 0.993



# SENSOR:266

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.77**

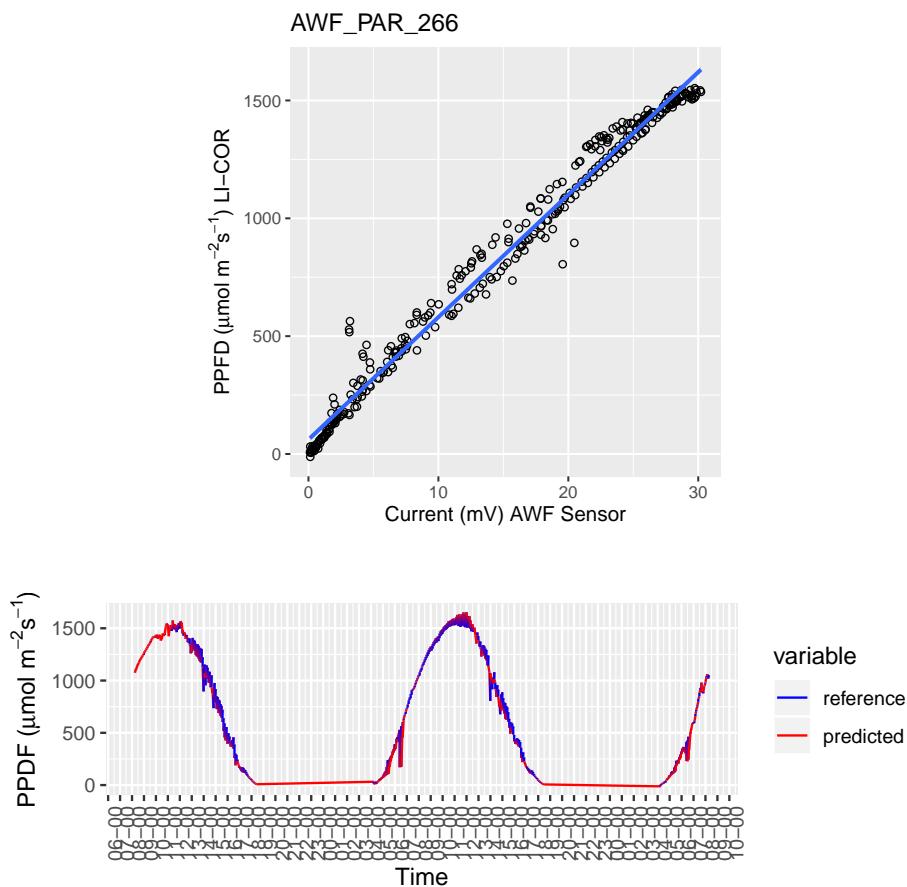
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_266 | 54.7696  | 0.2193     | 249.80  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 73.66 PPFD

Adjusted R-squared: 0.995



# SENSOR:267

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.031**

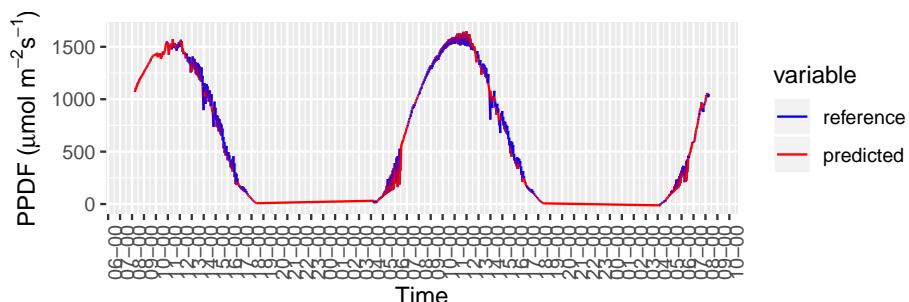
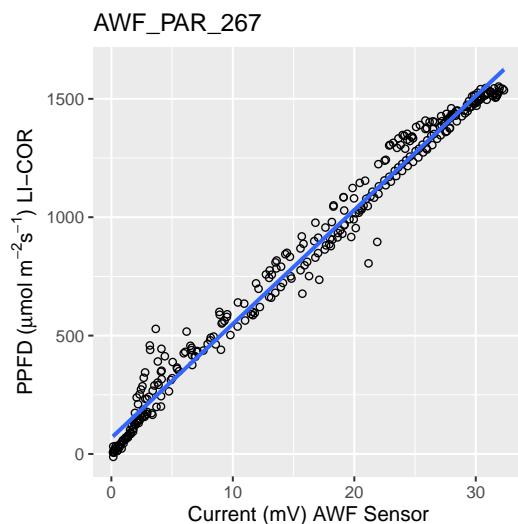
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_267 | 51.0308  | 0.2087     | 244.52  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 75.24 PPFD

Adjusted R-squared: 0.994



# SENSOR:268

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.118**

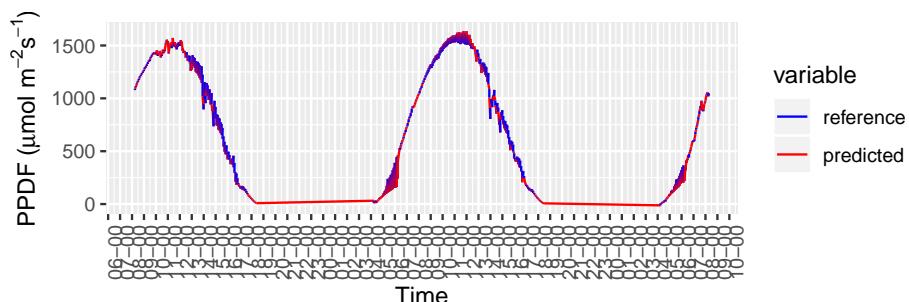
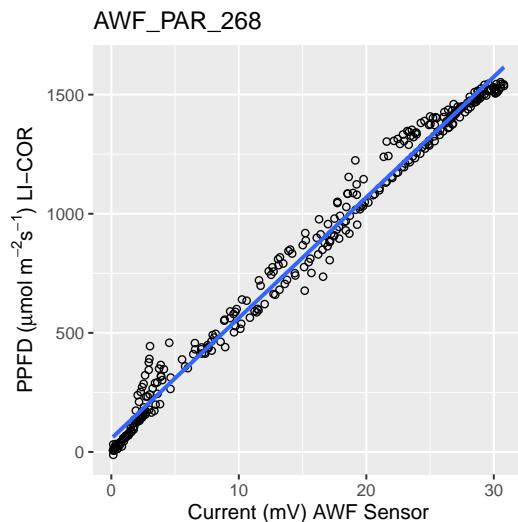
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_268 | 53.1184  | 0.1897     | 279.95  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.76 PPFD

Adjusted R-squared: 0.996



# SENSOR:269

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.355**

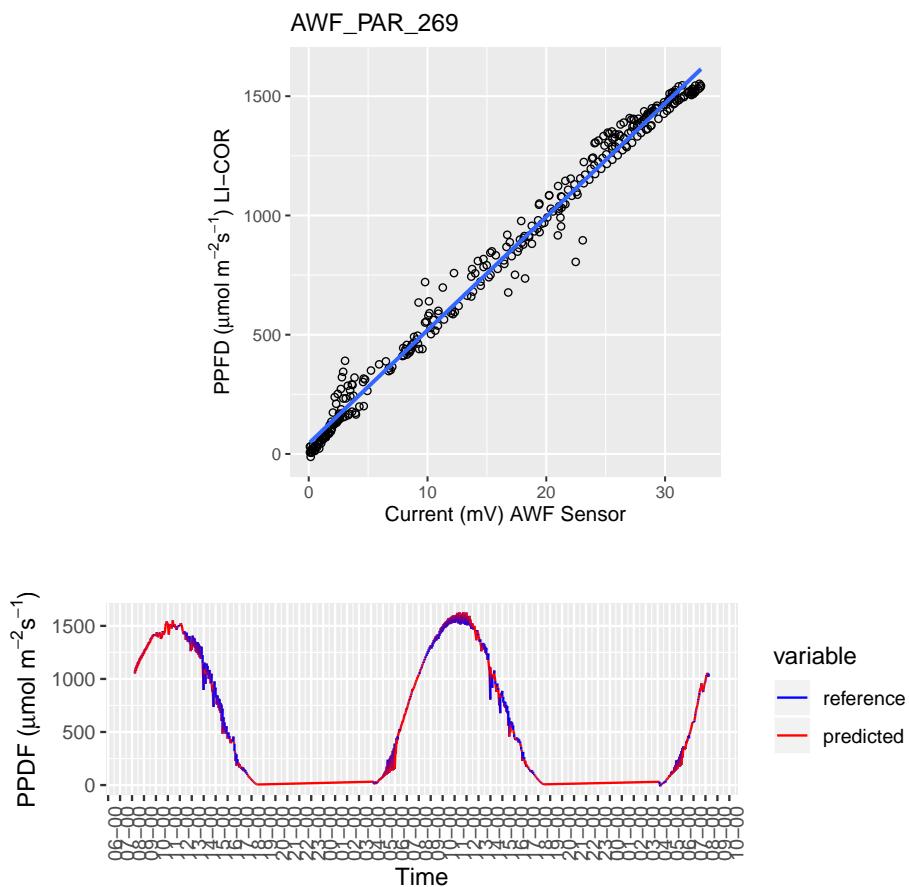
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_269 | 49.3549  | 0.1628     | 303.10  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 60.76 PPFD

Adjusted R-squared: 0.996



# SENSOR:270

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.82**

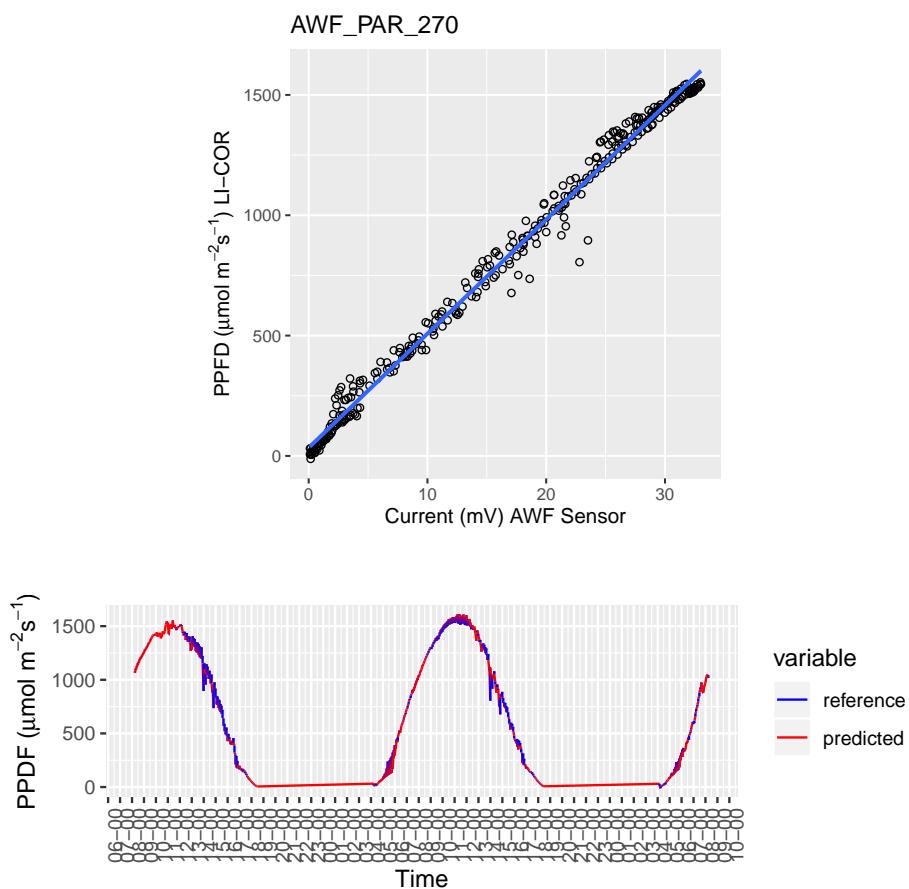
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_270 | 48.8201  | 0.1367     | 357.24  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 51.58 PPFD

Adjusted R-squared: 0.997



# SENSOR:271

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 55.557**

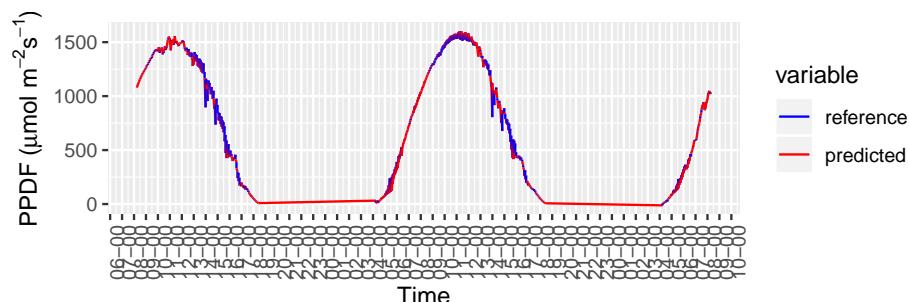
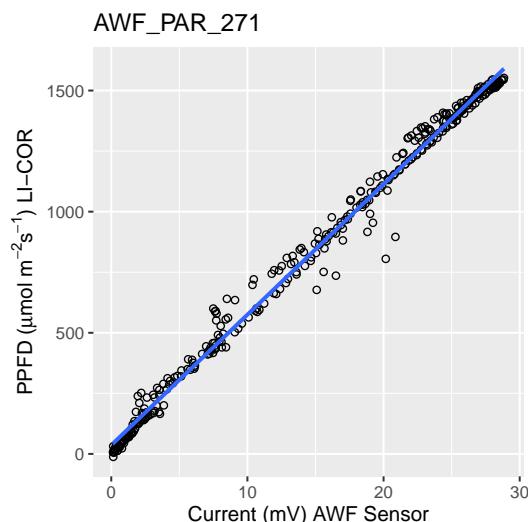
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_271 | 55.5572  | 0.1583     | 350.88  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 52.51 PPFD

Adjusted R-squared: 0.997



## SENSOR:272

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

Calibration Factor: 48.86

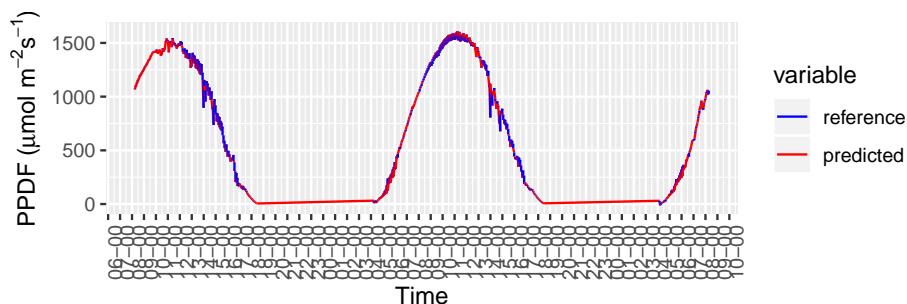
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_272 | 48.8602  | 0.1314     | 371.94  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 49.55 PPFD

Adjusted R-squared: 0.998



# SENSOR:273

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.941**

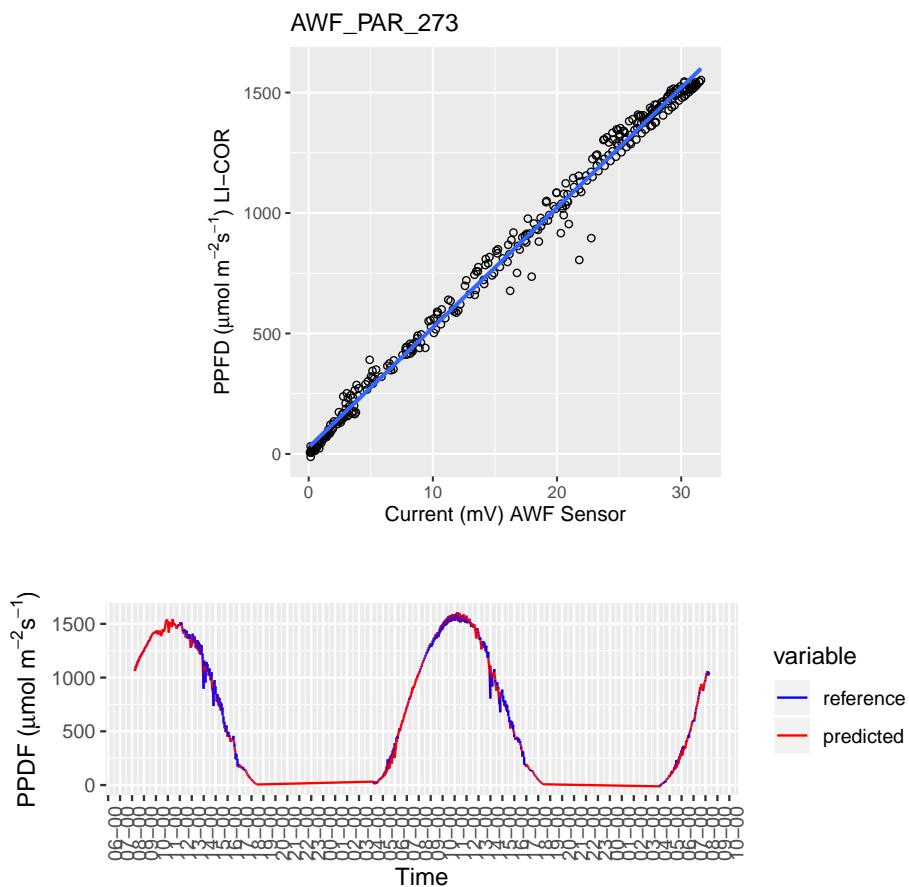
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_273 | 50.9415  | 0.1302     | 391.19  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 47.11 PPFD

Adjusted R-squared: 0.998



# SENSOR:274

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 55.086**

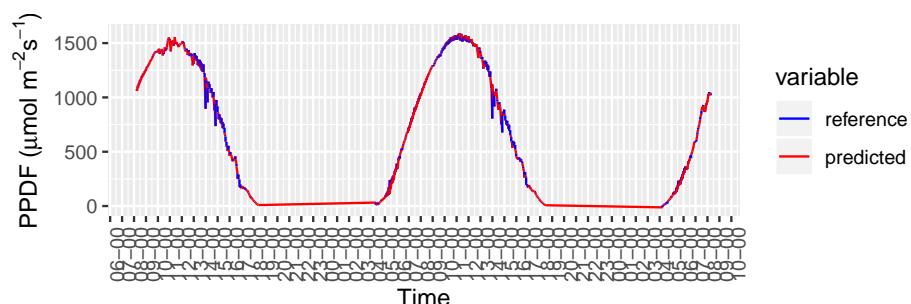
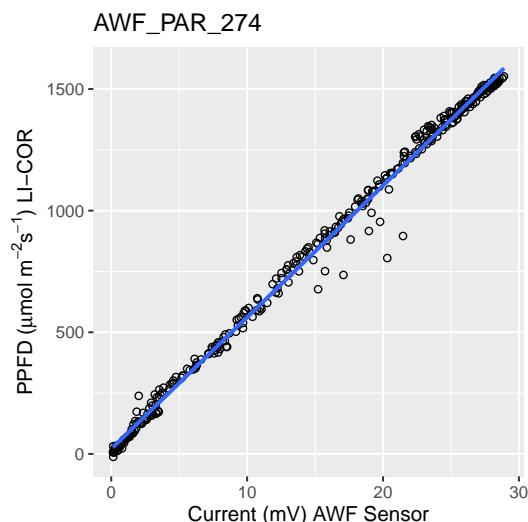
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_274 | 55.0856  | 0.1233     | 446.70  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 41.27 PPFD

Adjusted R-squared: 0.998



# SENSOR:275

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.259**

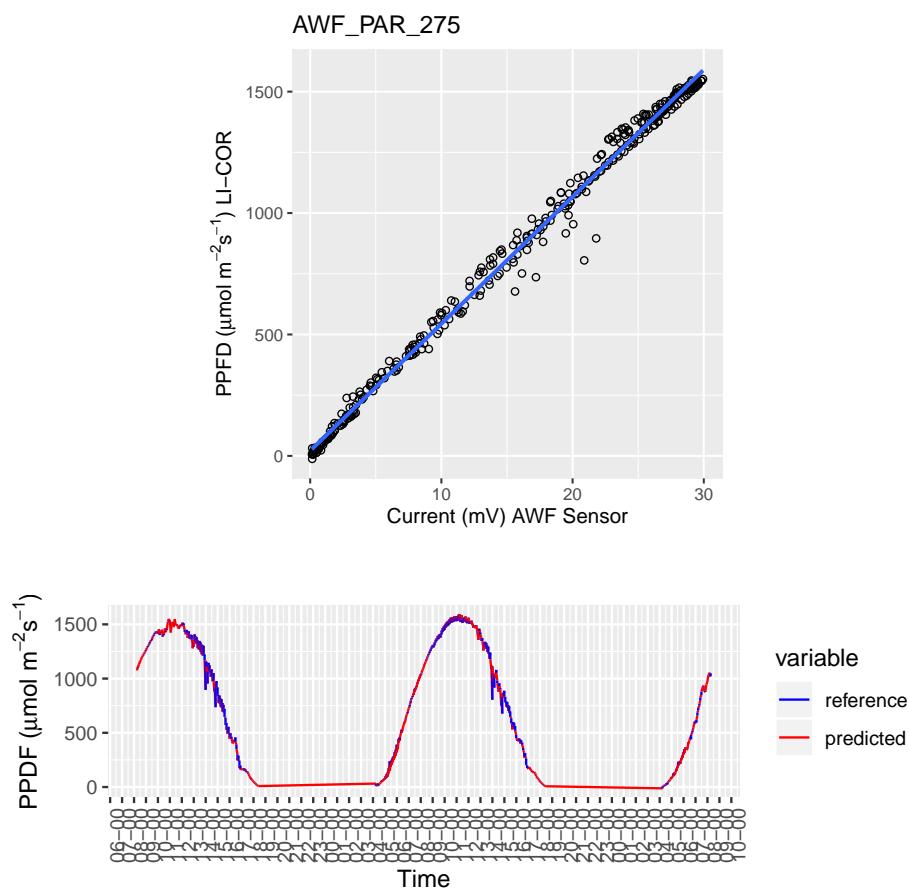
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_275 | 53.2587  | 0.1258     | 423.31  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 43.55 PPFD

Adjusted R-squared: 0.998



# SENSOR:276

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.851**

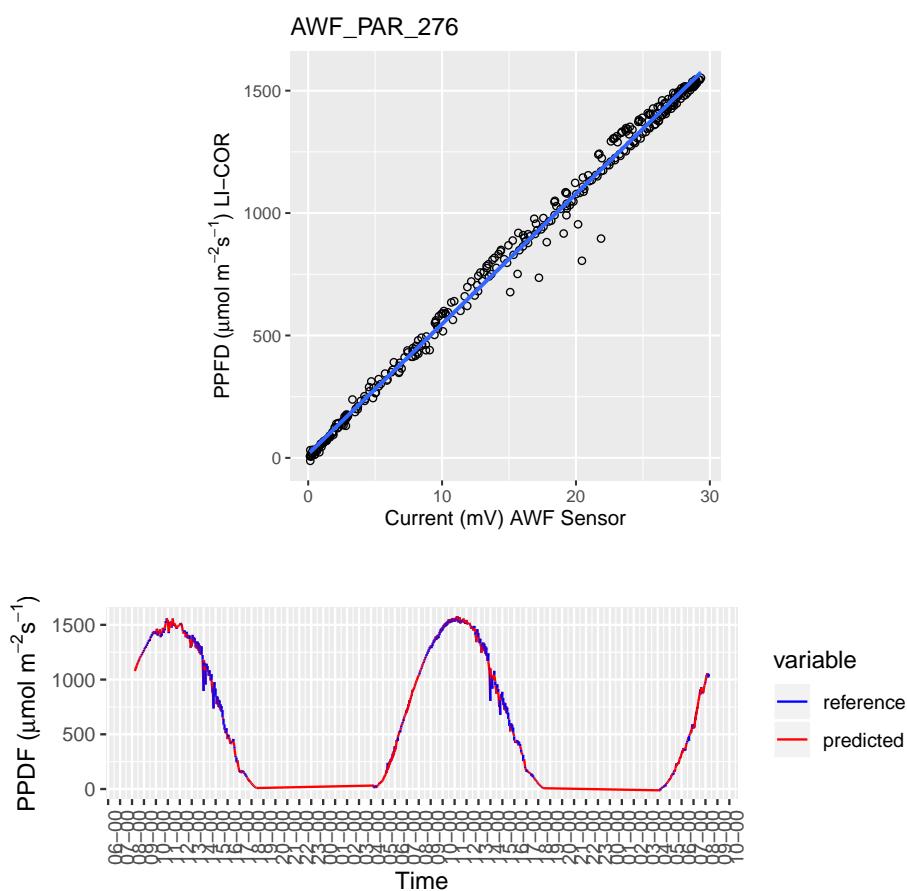
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_276 | 53.8511  | 0.1197     | 449.73  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 40.99 PPFD

Adjusted R-squared: 0.998



# SENSOR:277

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.755**

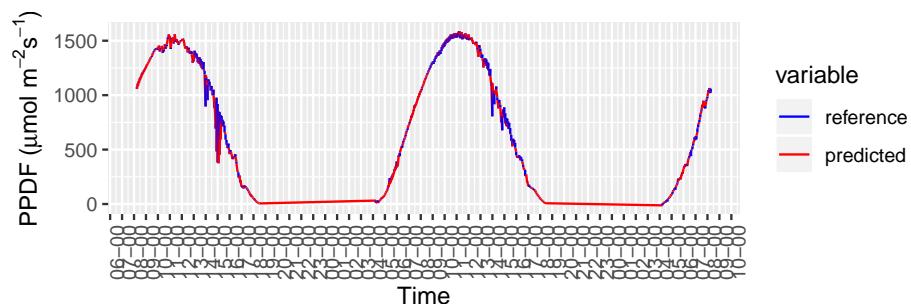
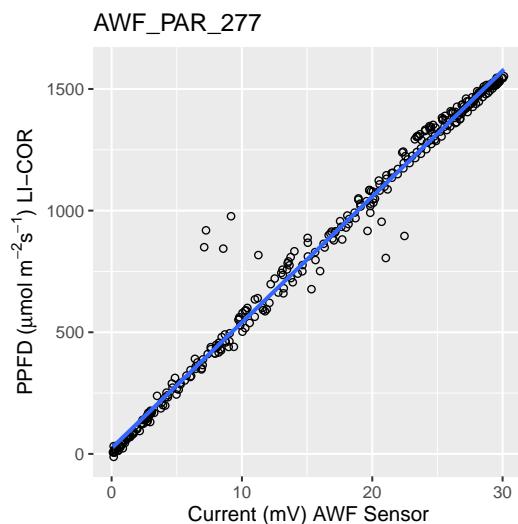
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_277 | 52.7552  | 0.1870     | 282.11  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 65.26 PPFD

Adjusted R-squared: 0.996



# SENSOR:278

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.233**

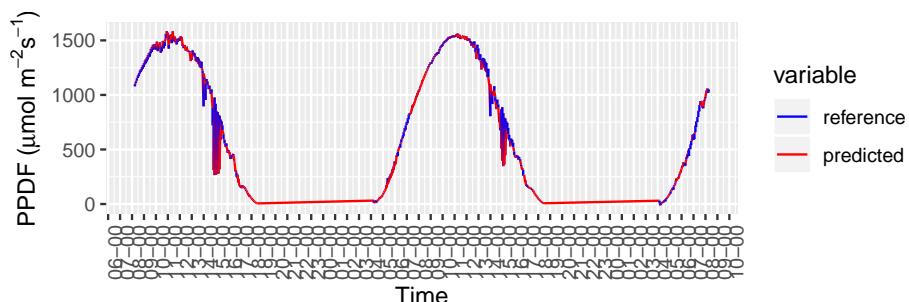
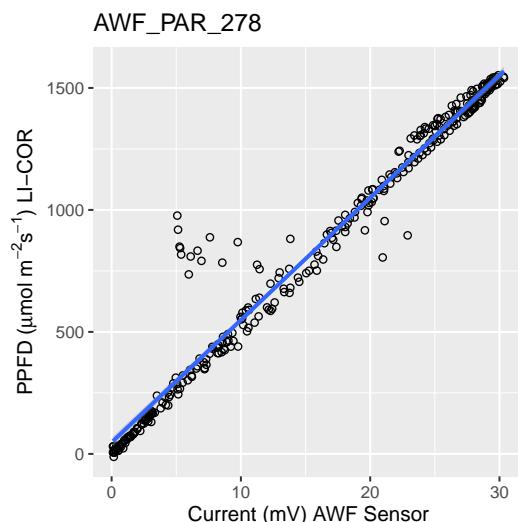
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_278 | 52.2335  | 0.2974     | 175.62  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 104.48 PPFD

Adjusted R-squared: 0.989



# SENSOR:279

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 56.038**

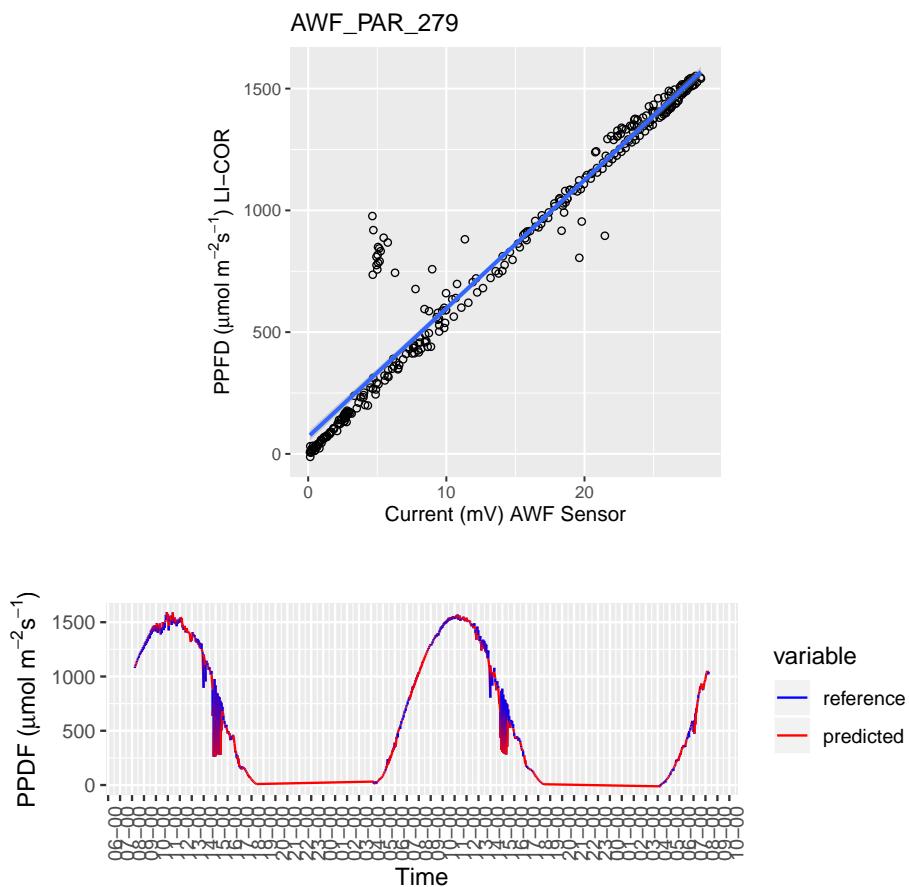
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_279 | 56.0378  | 0.3730     | 150.23  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 121.89 PPFD

Adjusted R-squared: 0.985



# SENSOR:280

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.568**

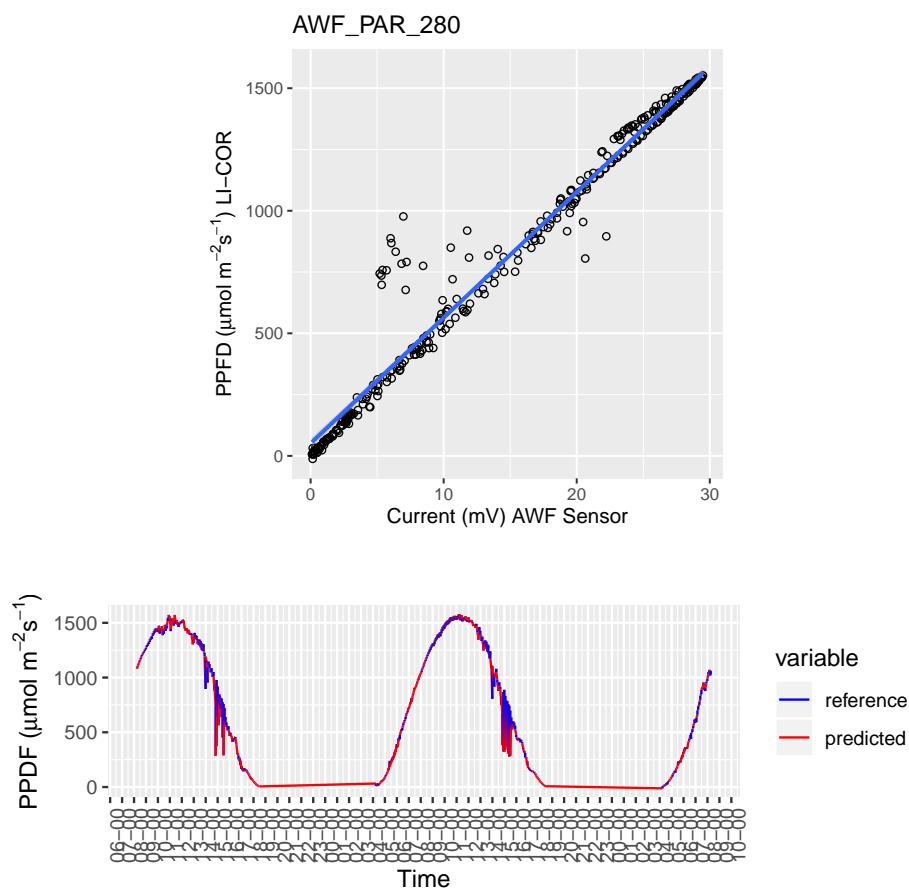
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_280 | 53.5684  | 0.2915     | 183.74  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 99.91 PPFD

Adjusted R-squared: 0.99



# SENSOR:281

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.55**

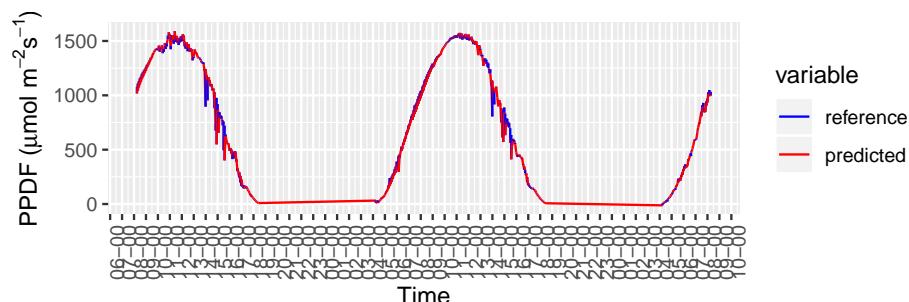
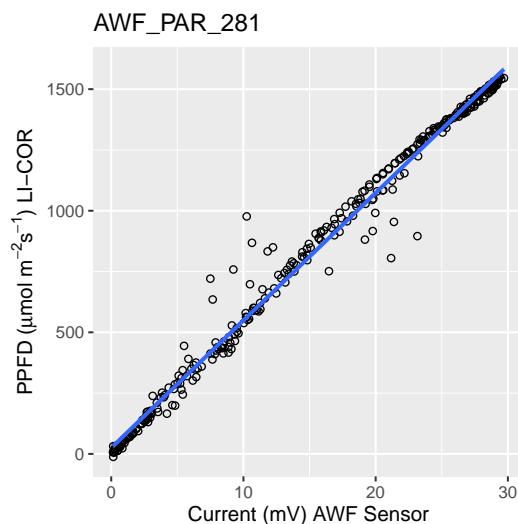
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_281 | 53.5500  | 0.1736     | 308.52  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 59.7 PPFD

Adjusted R-squared: 0.996



## SENSOR:282

---

### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 49.051**

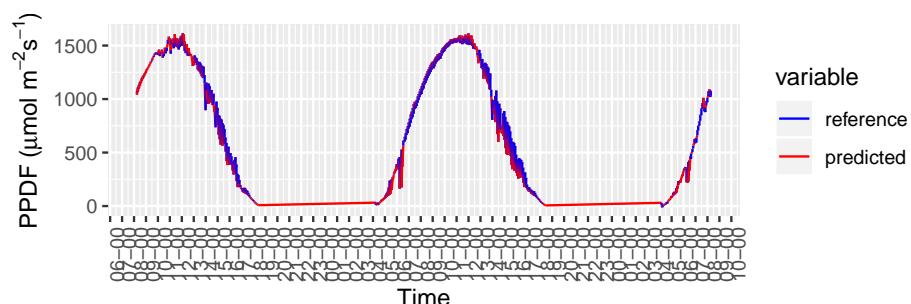
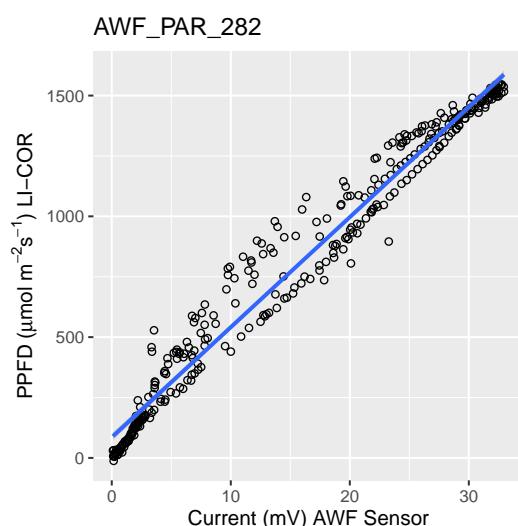
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_282 | 49.0513  | 0.2698     | 181.79  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 100.97 PPFD

Adjusted R-squared: 0.99



# SENSOR:283

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.756**

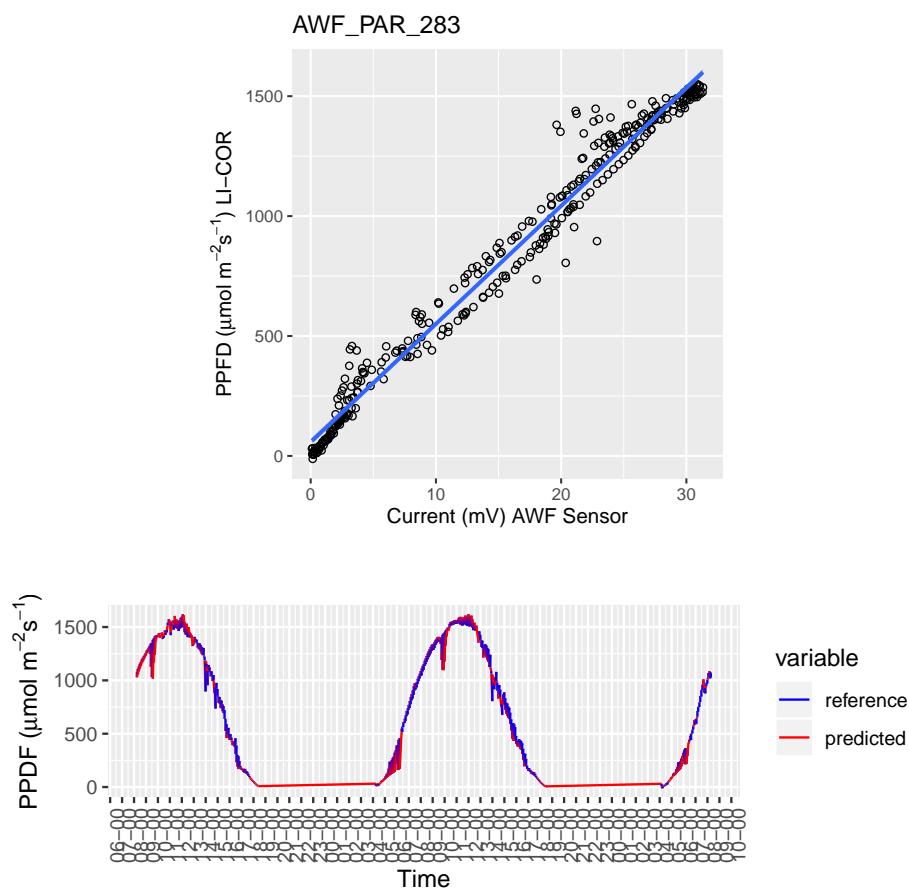
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_283 | 51.7563  | 0.2397     | 215.93  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 85.14 PPFD

Adjusted R-squared: 0.993



# SENSOR:284

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 49.875**

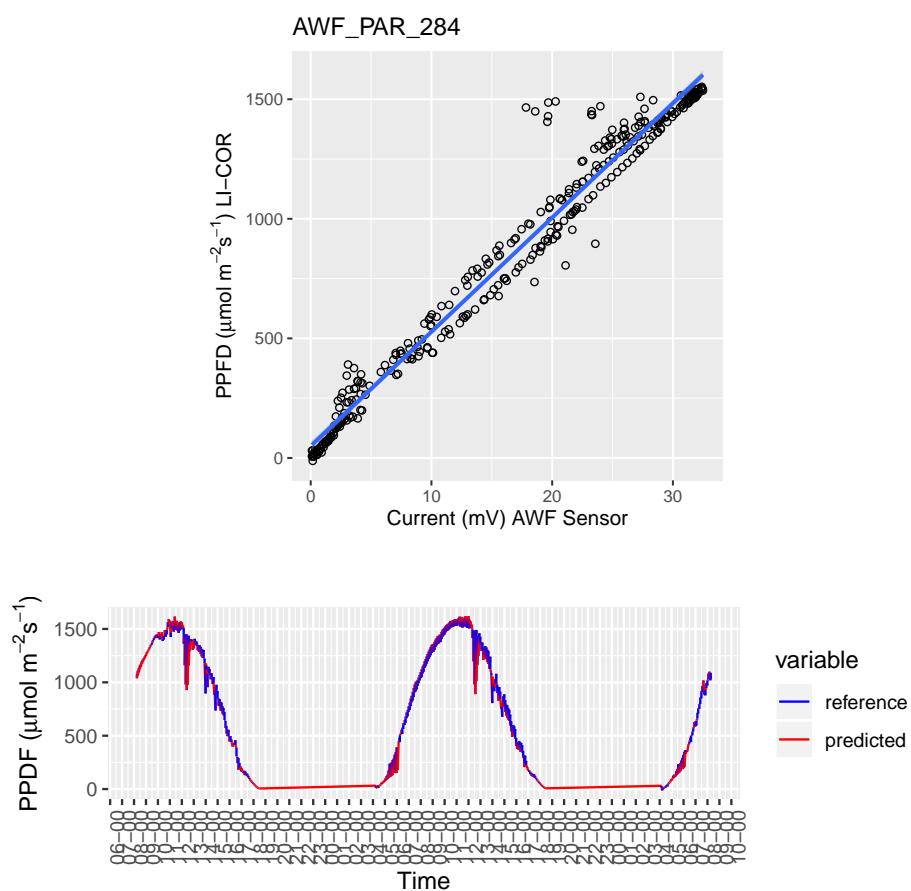
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_284 | 49.8749  | 0.2674     | 186.50  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 98.45 PPFD

Adjusted R-squared: 0.99



# SENSOR:285

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 58.032**

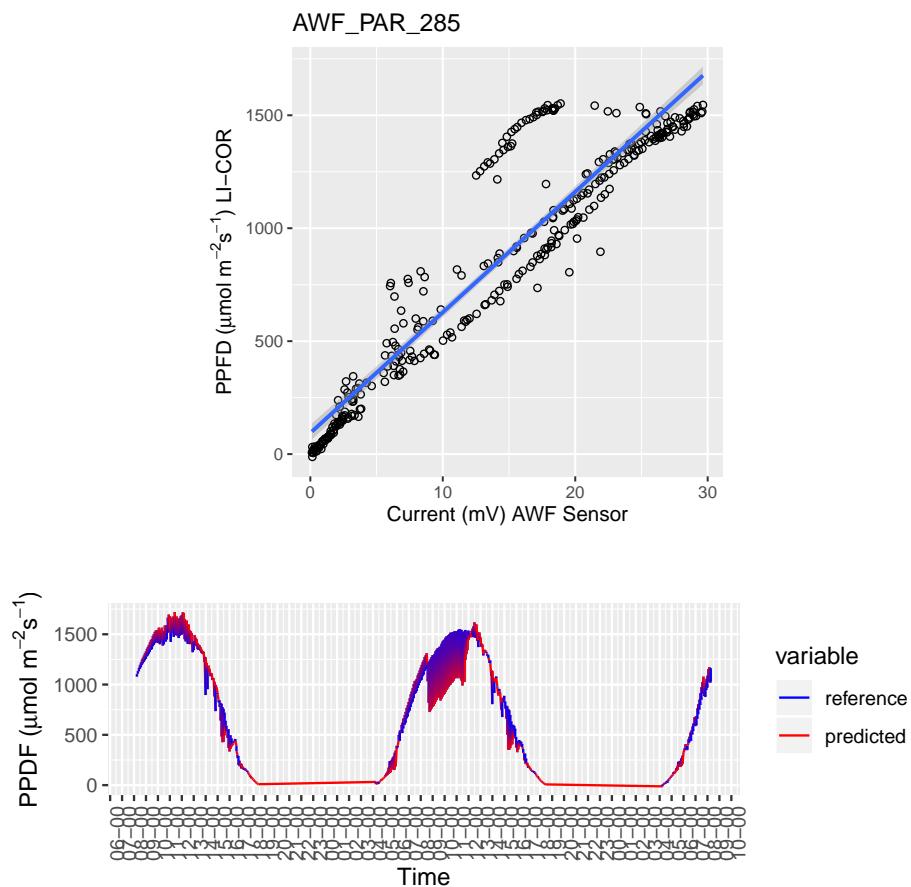
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_285 | 58.0318  | 0.6267     | 92.59   | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 195.39 PPFD

Adjusted R-squared: 0.961



# SENSOR:286

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 48.482**

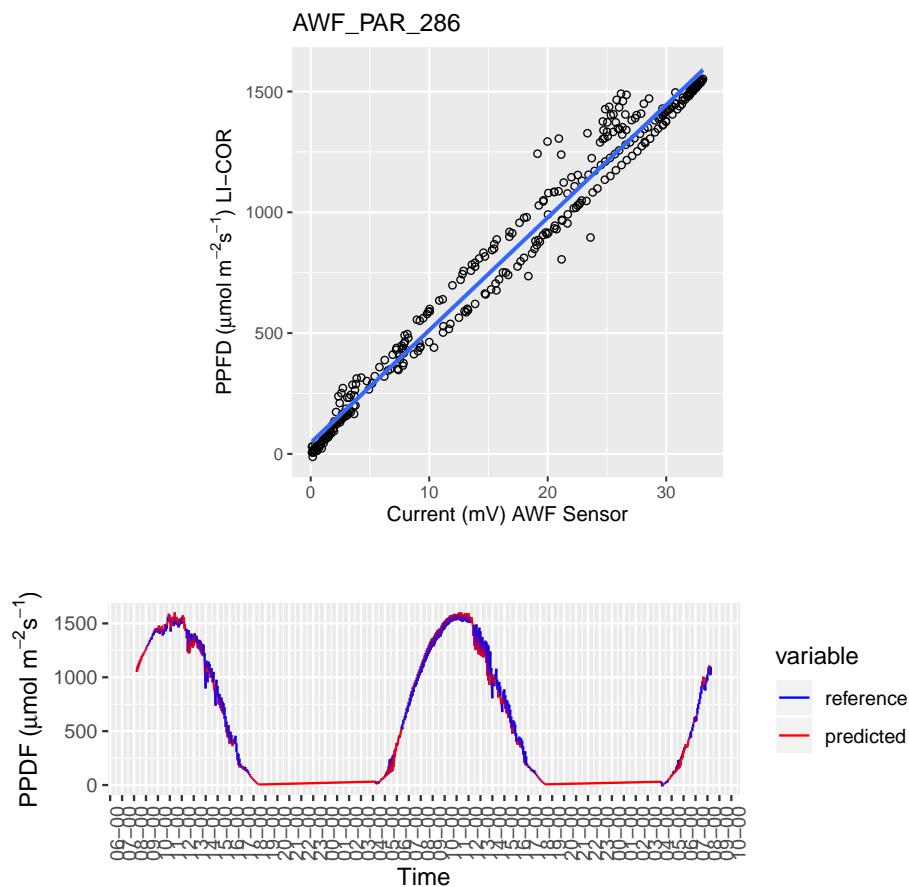
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_286 | 48.4821  | 0.2130     | 227.60  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 80.8 PPFD

Adjusted R-squared: 0.993



# SENSOR:287

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.319**

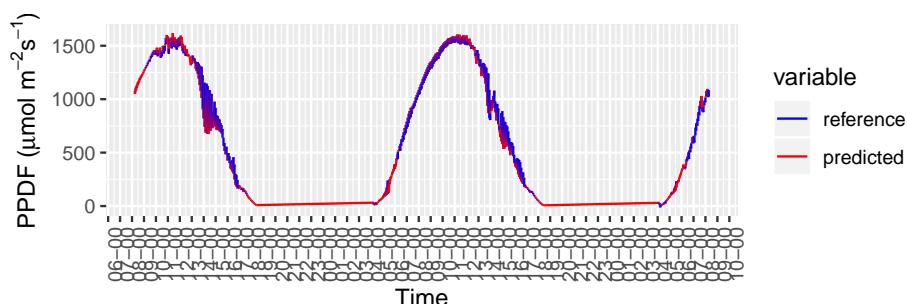
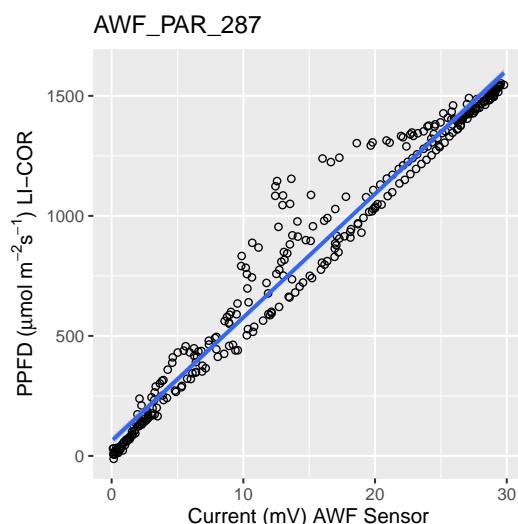
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_287 | 54.3188  | 0.2990     | 181.66  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 101.04 PPFD

Adjusted R-squared: 0.99



# SENSOR:288

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 52.377**

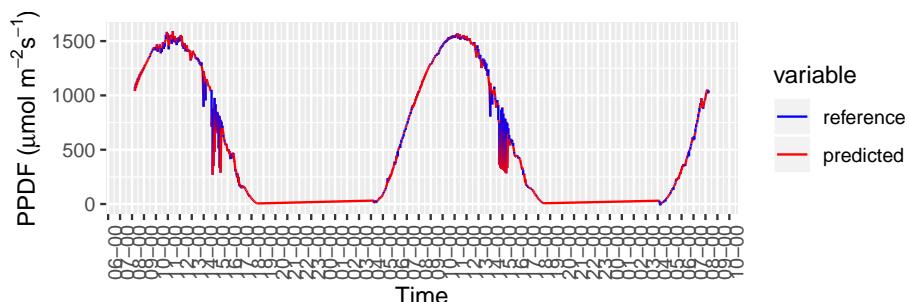
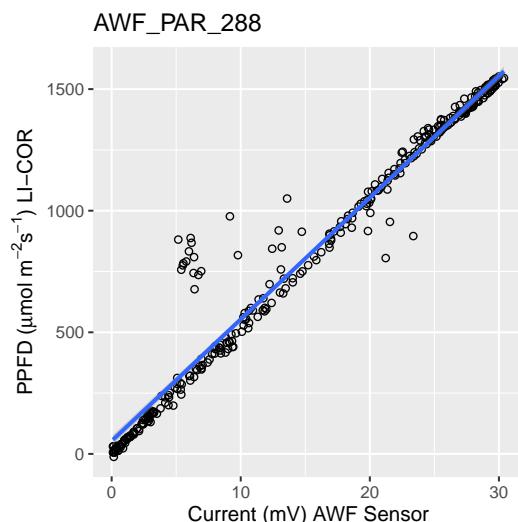
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_288 | 52.3772  | 0.3084     | 169.82  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 108.01 PPFD

Adjusted R-squared: 0.988



# SENSOR:289

---

## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 51.762**

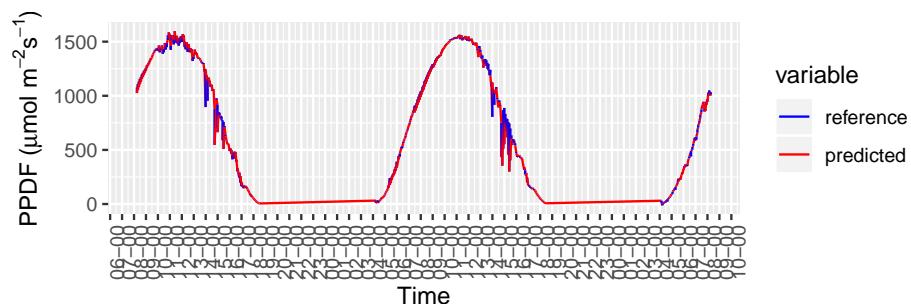
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_289 | 51.7622  | 0.1940     | 266.81  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 68.99 PPFD

Adjusted R-squared: 0.995



# SENSOR:290

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 346  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 54.849**

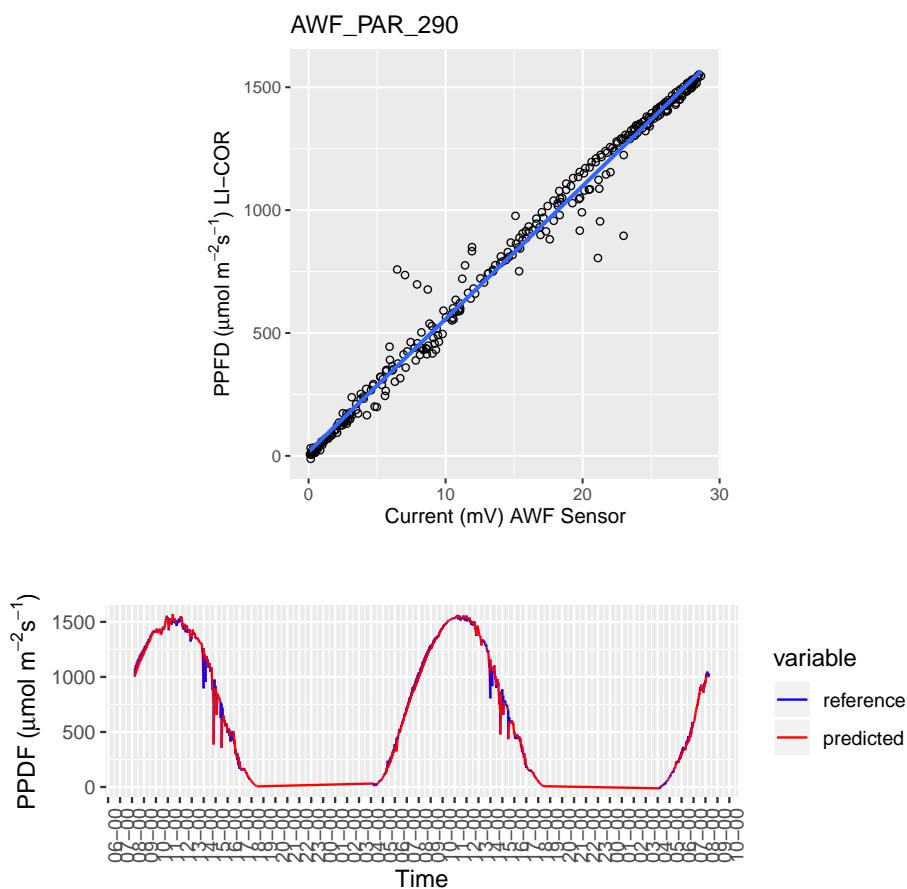
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_290 | 54.8493  | 0.1741     | 314.99  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 58.48 PPFD

Adjusted R-squared: 0.997



# SENSOR:I

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.659**

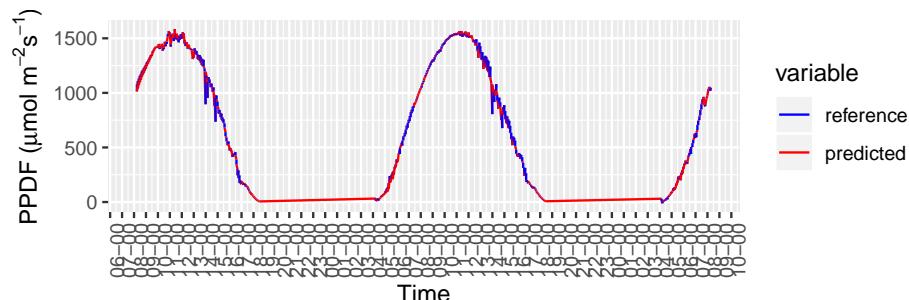
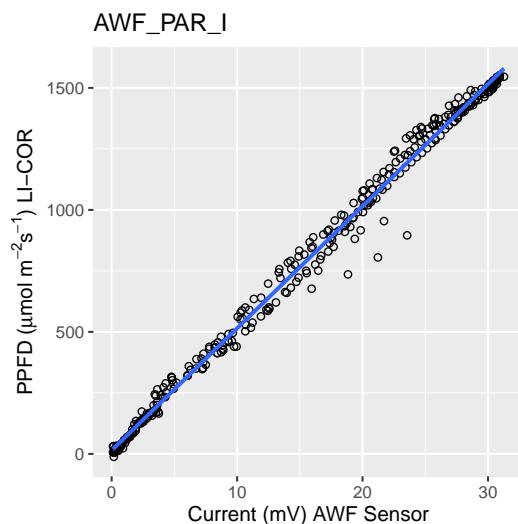
|           | Estimate | Std. Error | t value | Pr(> t ) |
|-----------|----------|------------|---------|----------|
| AWF_PAR_I | 50.6594  | 0.1221     | 414.87  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 44.43 PPFD

Adjusted R-squared: 0.998



## SENSOR:II

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 52.107**

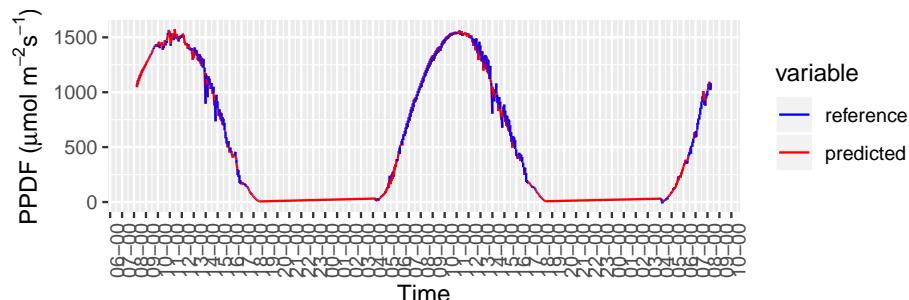
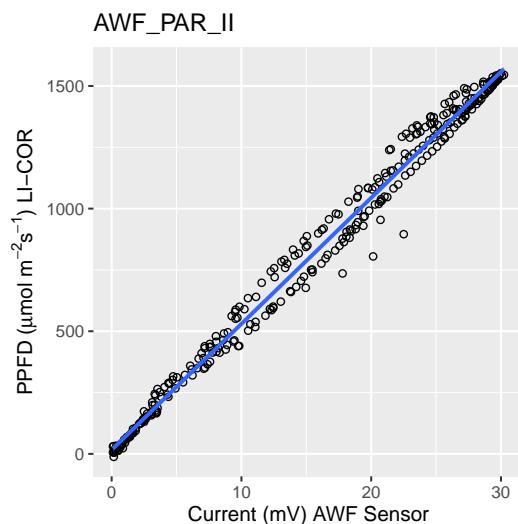
|            | Estimate | Std. Error | t value | Pr(> t ) |
|------------|----------|------------|---------|----------|
| AWF_PAR_II | 52.1065  | 0.1488     | 350.13  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 52.62 PPFD

Adjusted R-squared: 0.997



# SENSOR:III

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 53.045**

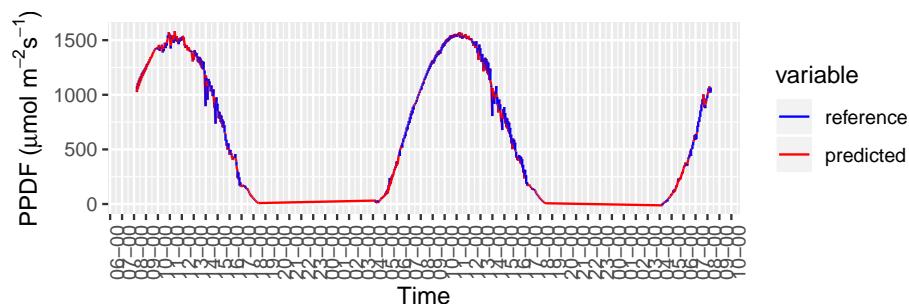
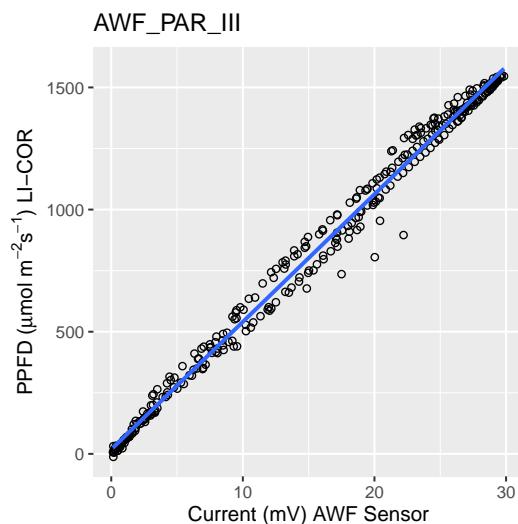
|             | Estimate | Std. Error | t value | Pr(> t ) |
|-------------|----------|------------|---------|----------|
| AWF_PAR_III | 53.0449  | 0.1397     | 379.67  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 48.54 PPFD

Adjusted R-squared: 0.998



# SENSOR:IV

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## CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

---

## CALIBRATION RESULTS:

**Calibration Factor: 50.505**

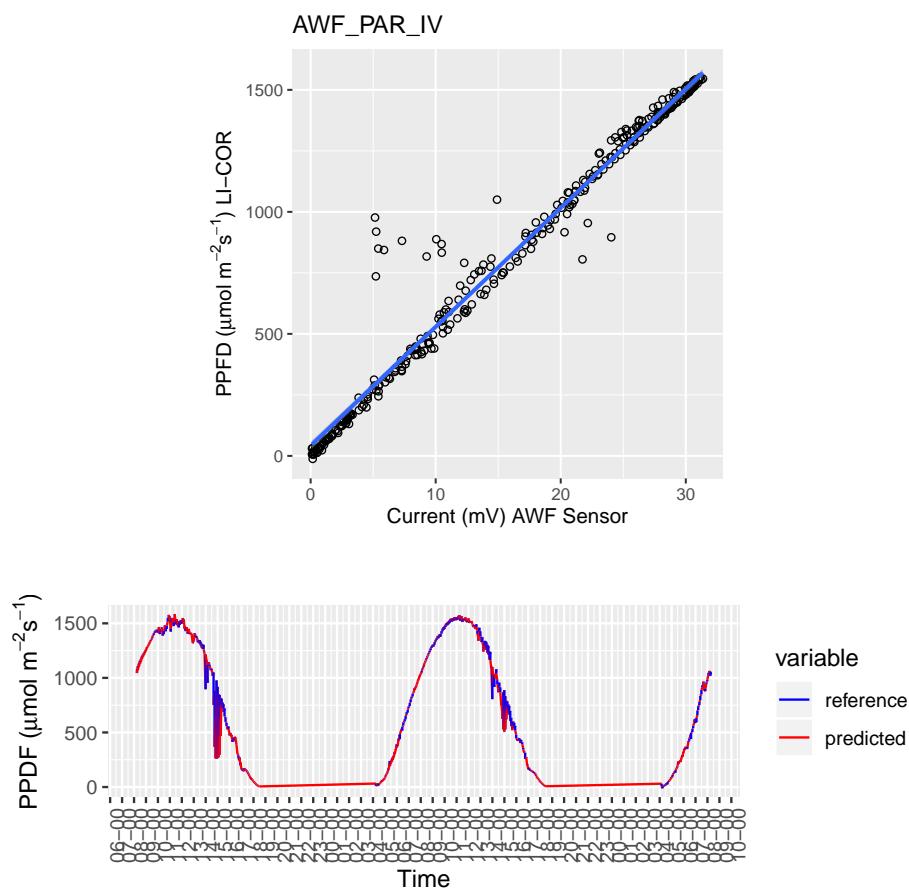
|            | Estimate | Std. Error | t value | Pr(> t ) |
|------------|----------|------------|---------|----------|
| AWF_PAR_IV | 50.5048  | 0.2618     | 192.93  | 0.0000   |

---

## QUALITY REPORT:

Residual standard error: 95.2 PPFD

Adjusted R-squared: 0.991



## SENSOR:V

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 345  
References: LiCOR Q52953, Li-COR Q 52953

---

### CALIBRATION RESULTS:

**Calibration Factor: 54.428**

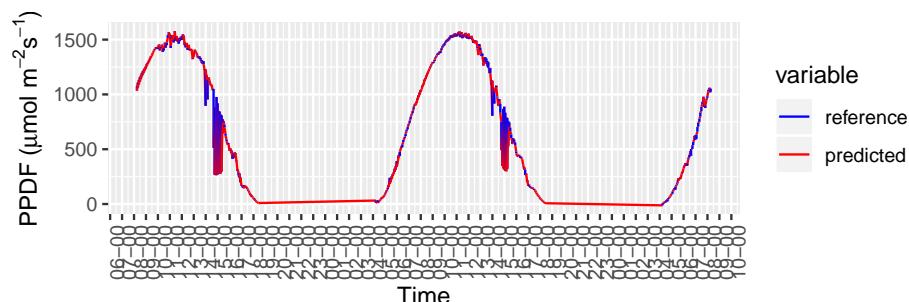
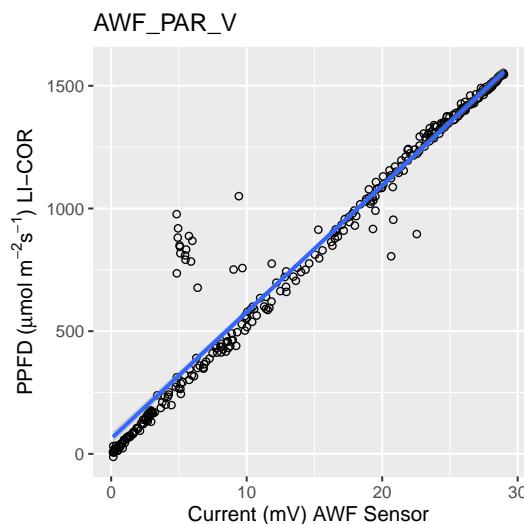
|           | Estimate | Std. Error | t value | Pr(> t ) |
|-----------|----------|------------|---------|----------|
| AWF_PAR_V | 54.4280  | 0.3603     | 151.06  | 0.0000   |

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### QUALITY REPORT:

Residual standard error: 121.23 PPFD

Adjusted R-squared: 0.985



## SENSOR:VI

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### CALIBRATION DATASET:

Location: Aboretum Goettingen  
Start: Apr 18 10:14:30 2018  
End: Apr 20 10:16:00 2018  
Duration: 48 h  
Measurement frequency: 0.3hz  
Averaging: 5 min  
Number of records: 347  
References: LiCOR Q52953, Li-COR Q 52953

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### CALIBRATION RESULTS:

**Calibration Factor: 51.548**

|            | Estimate | Std. Error | t value | Pr(> t ) |
|------------|----------|------------|---------|----------|
| AWF_PAR_VI | 51.5480  | 0.1326     | 388.82  | 0.0000   |

---

### QUALITY REPORT:

Residual standard error: 47.4 PPFD

Adjusted R-squared: 0.998

