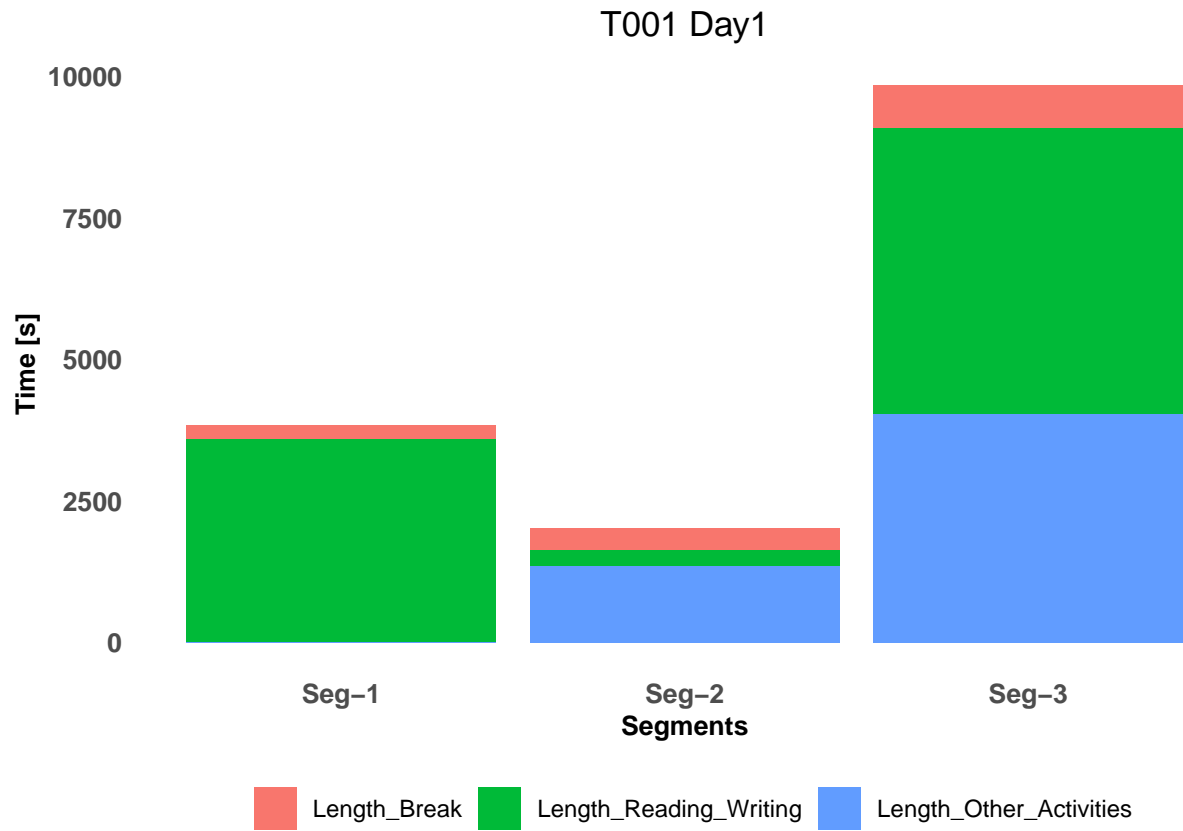
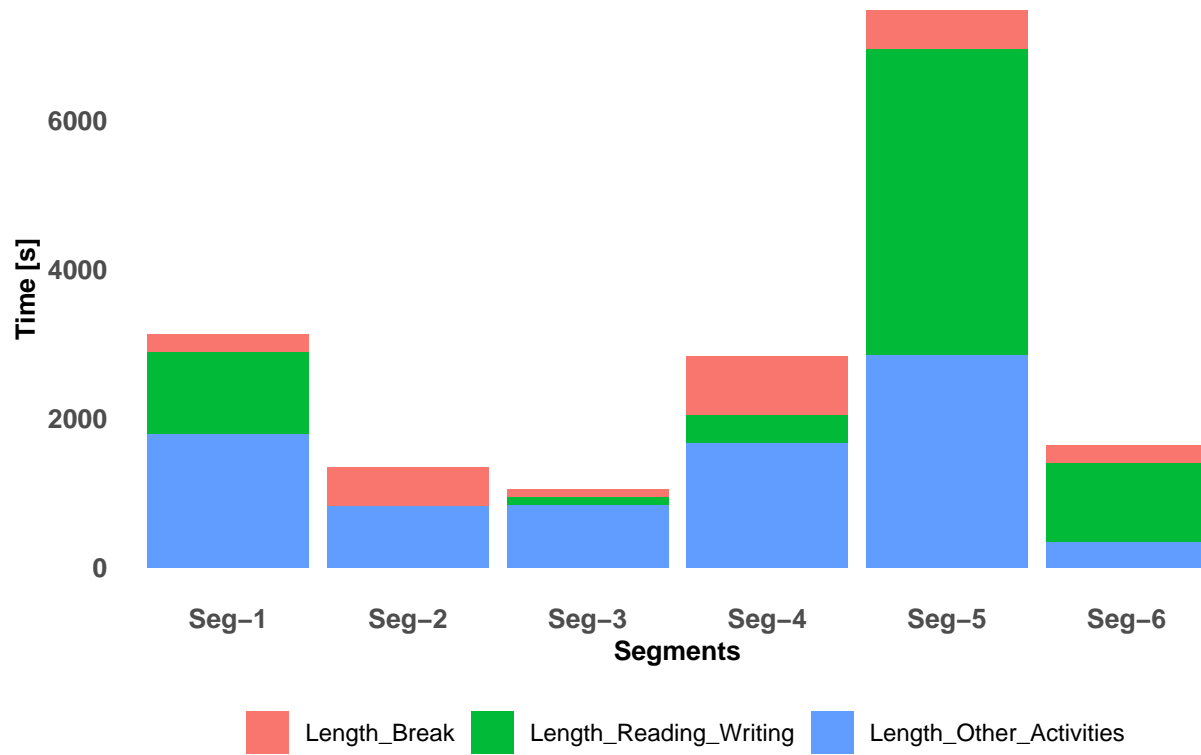


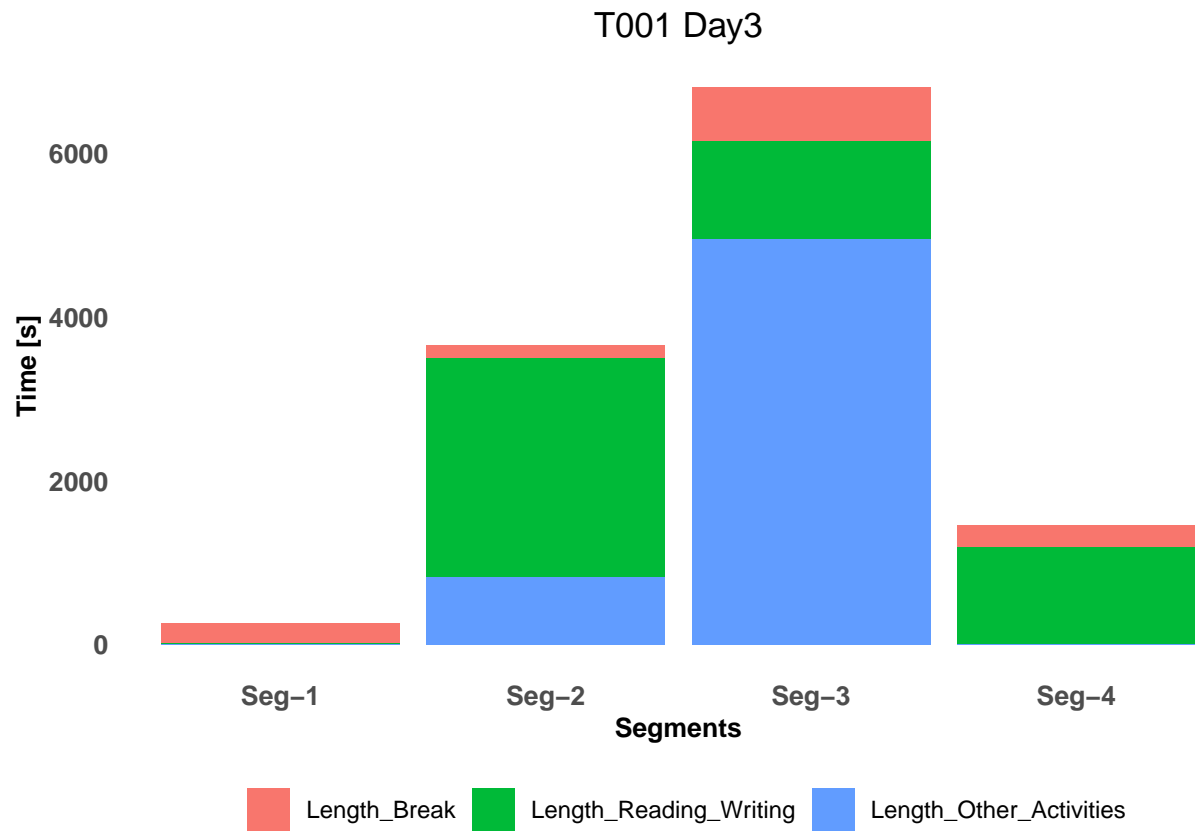
# Segmented\_data

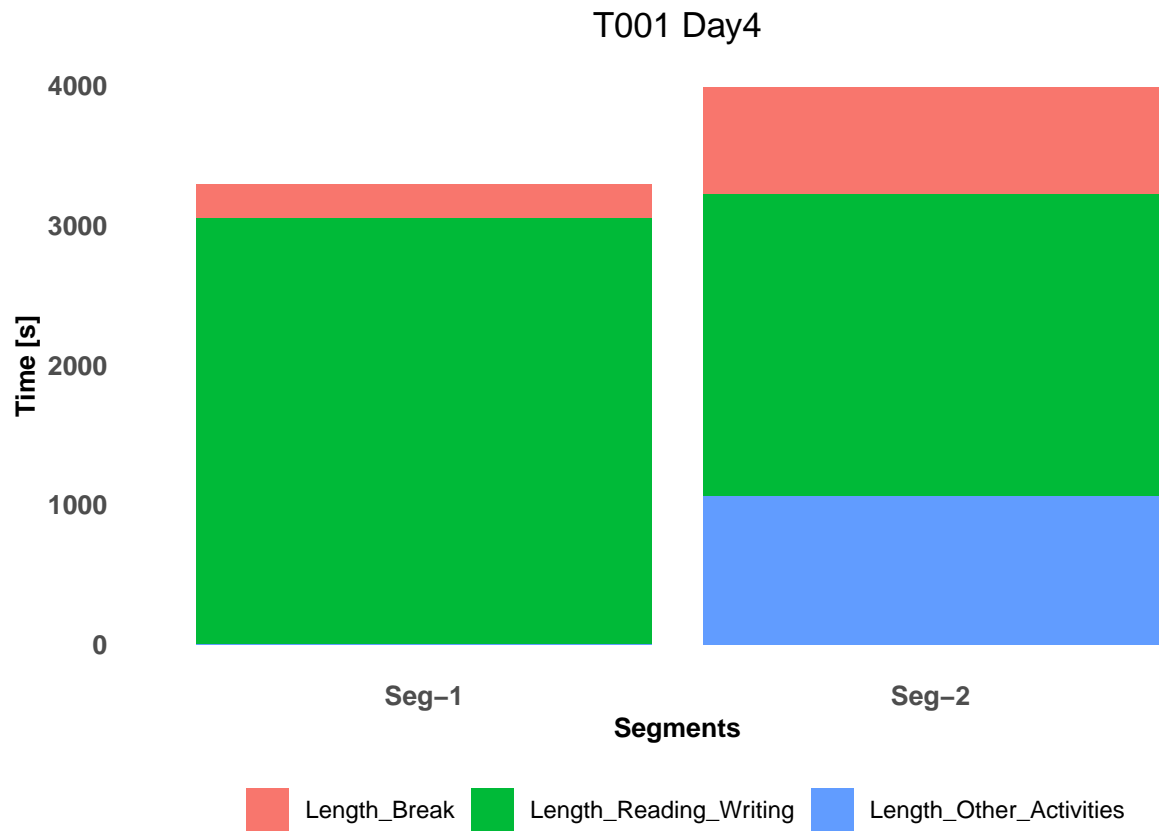
## Using Participant\_ID, Day, Segment as id variables

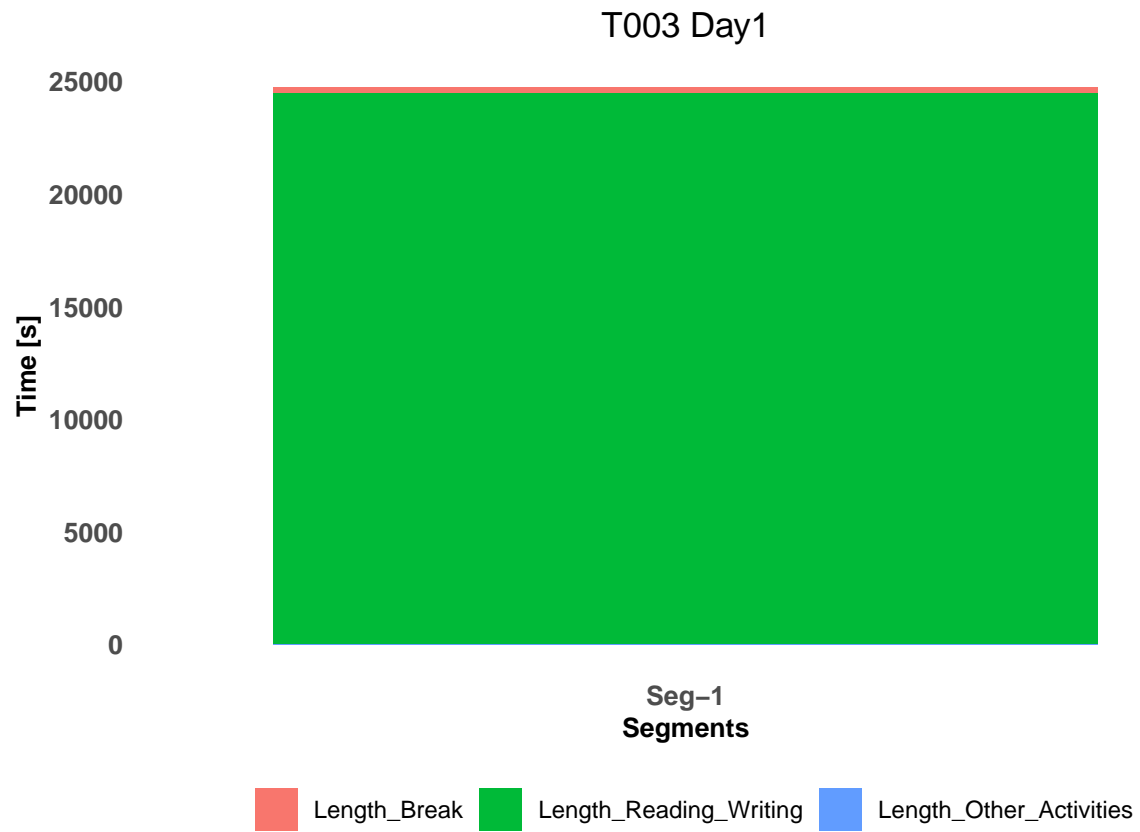


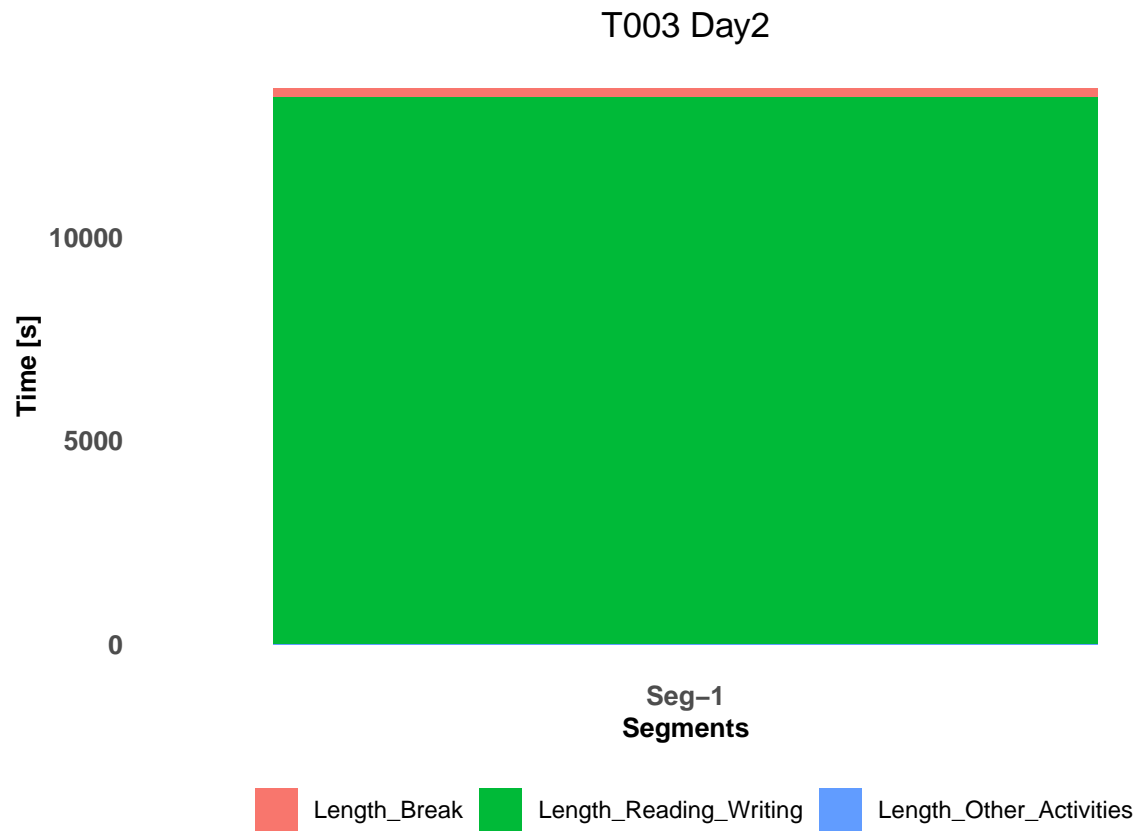
## T001 Day2

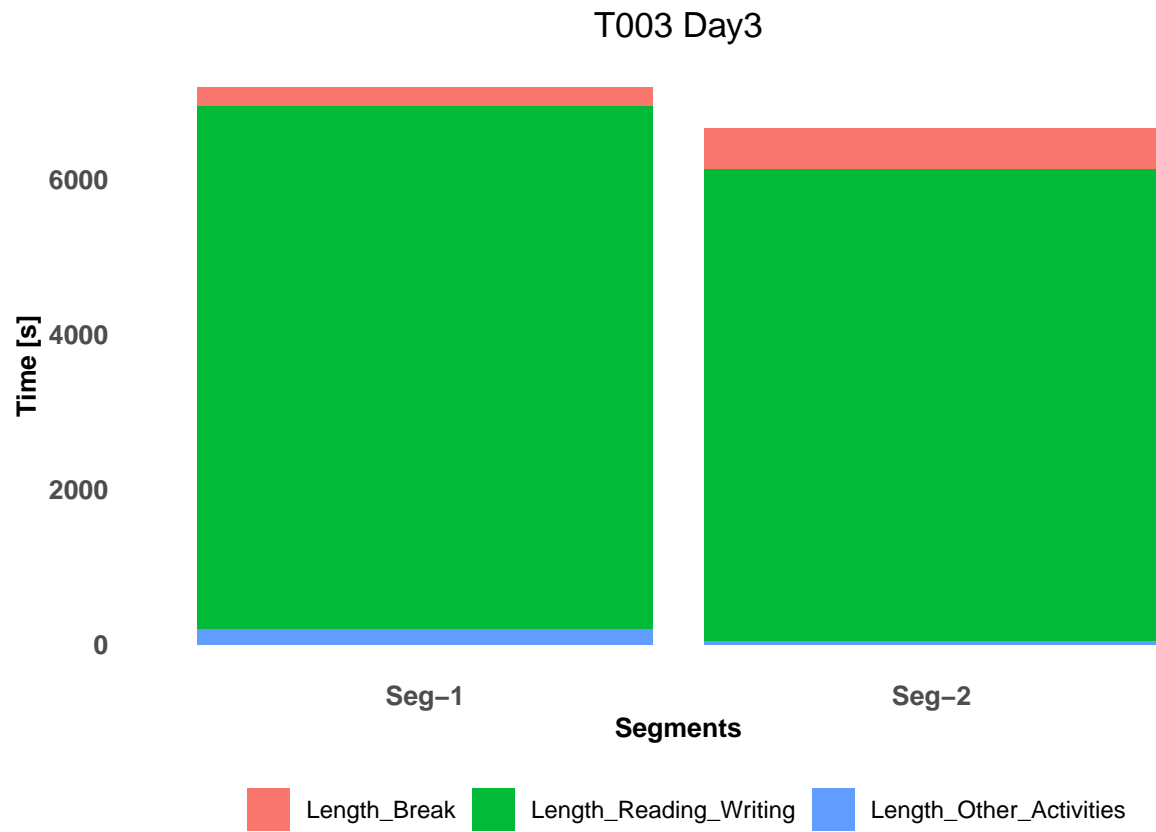


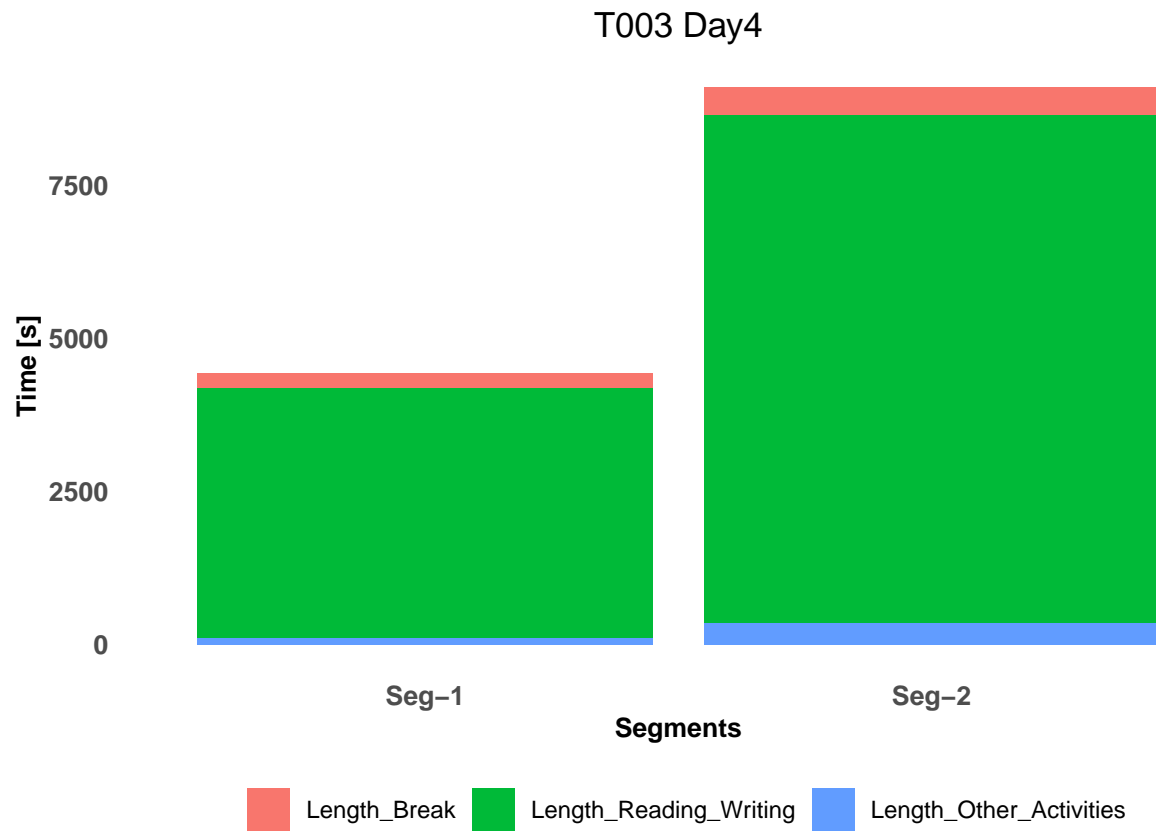




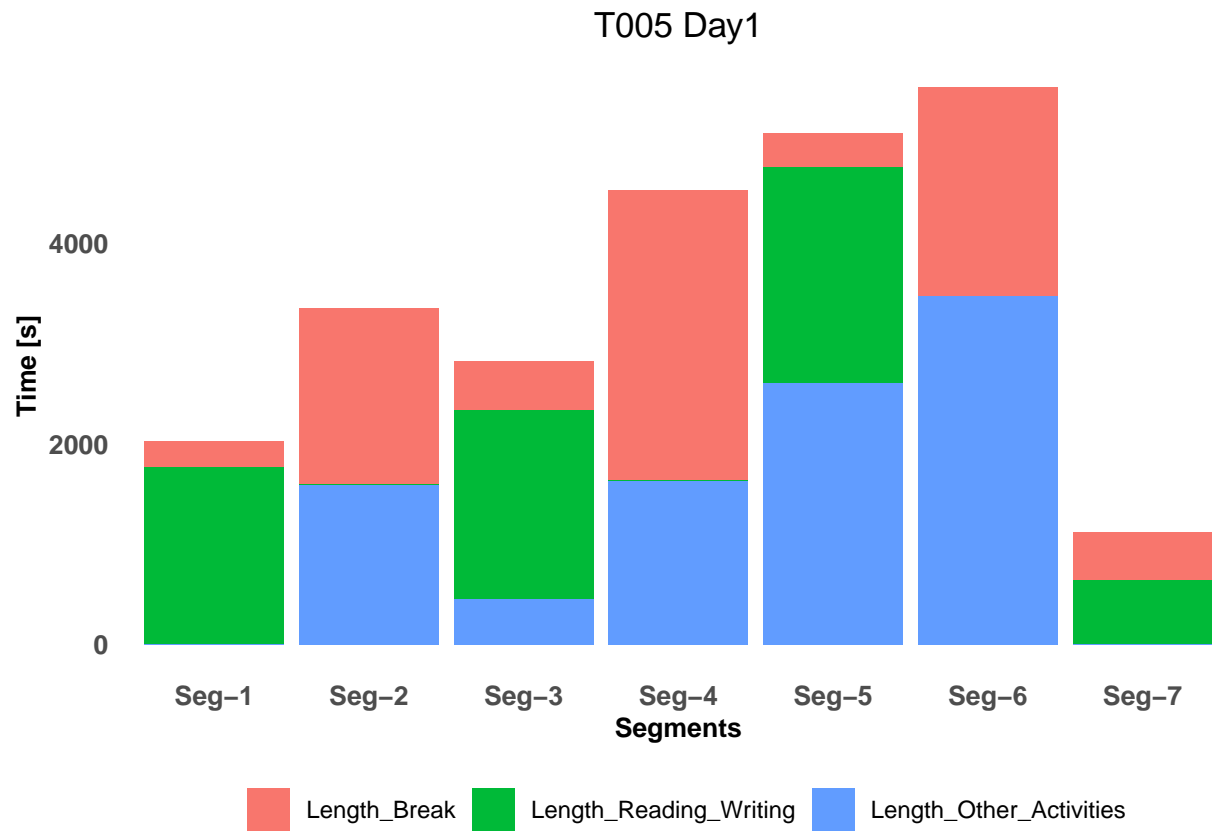


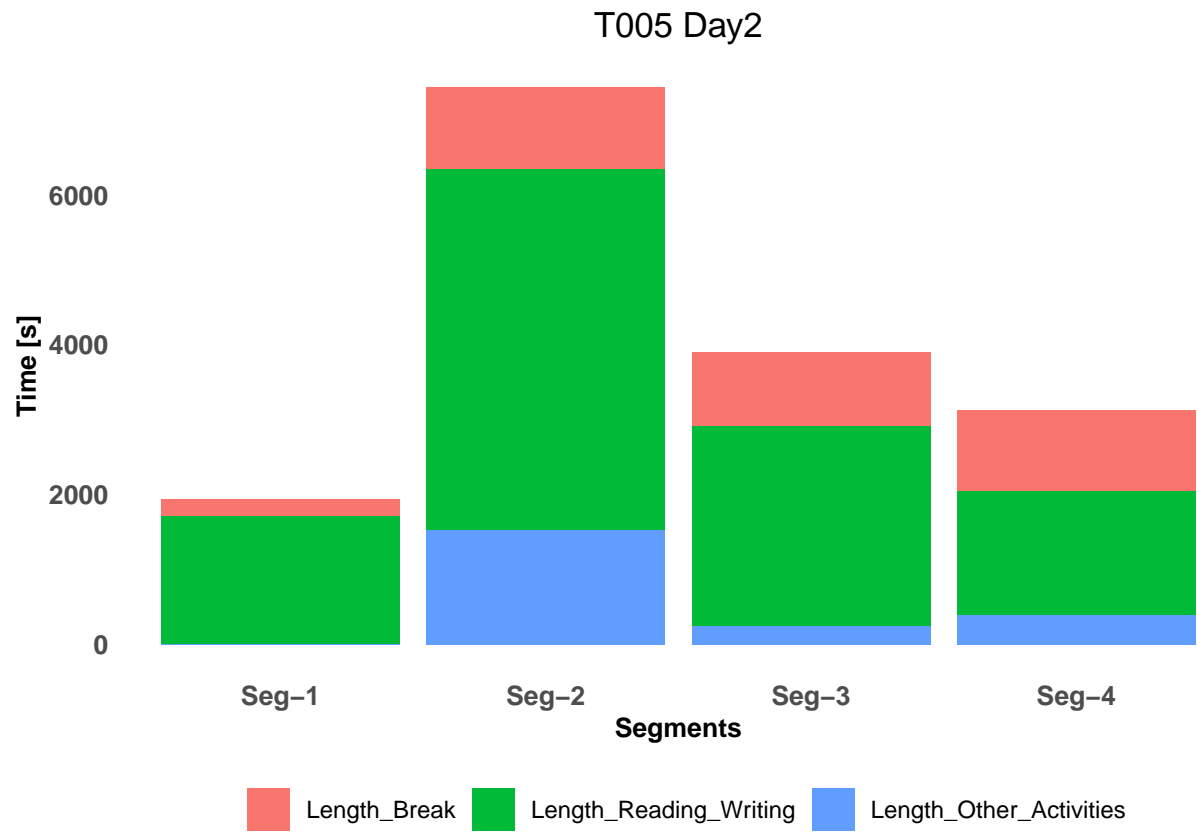


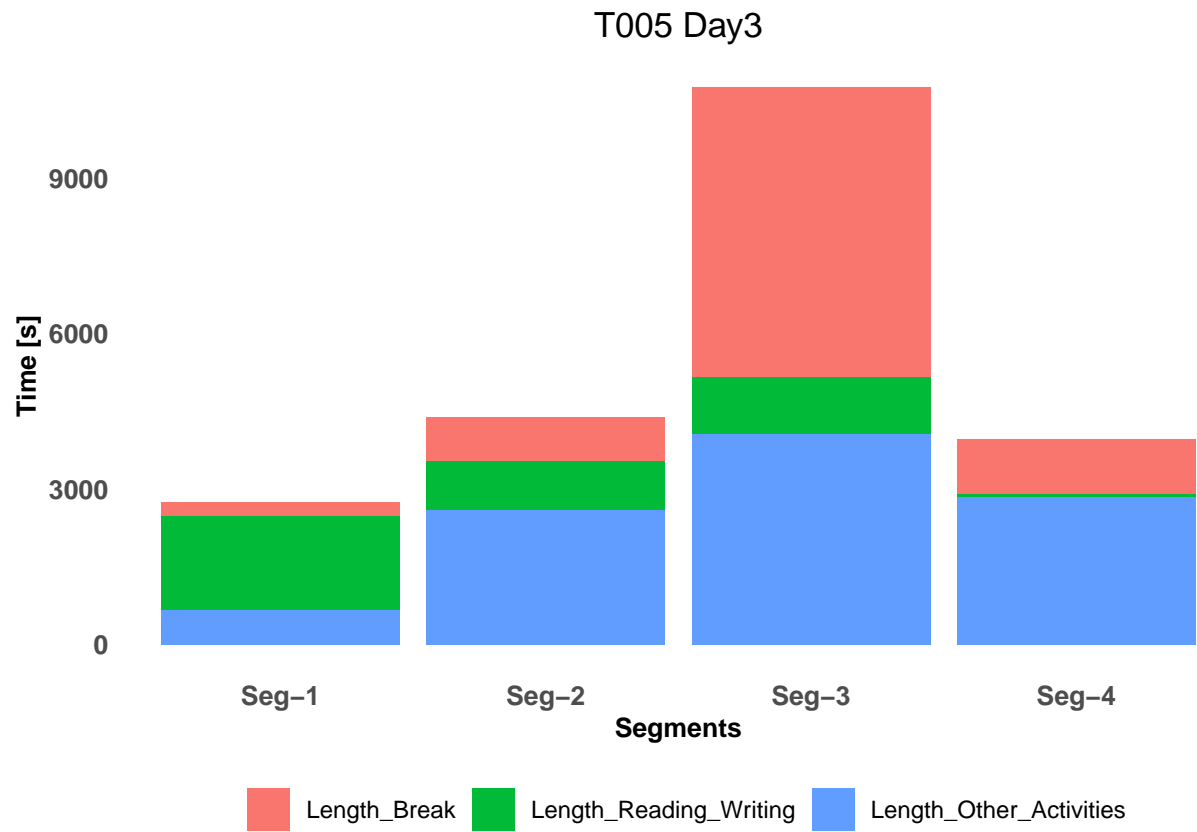


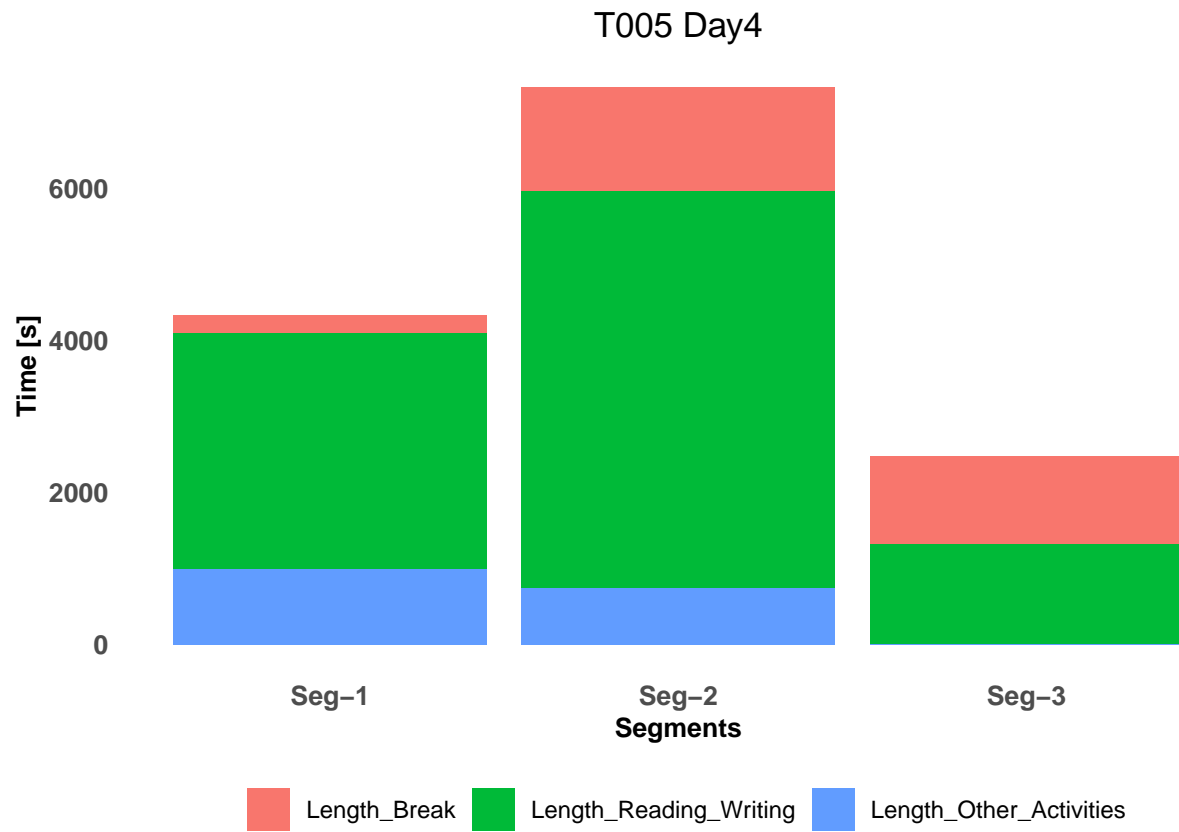


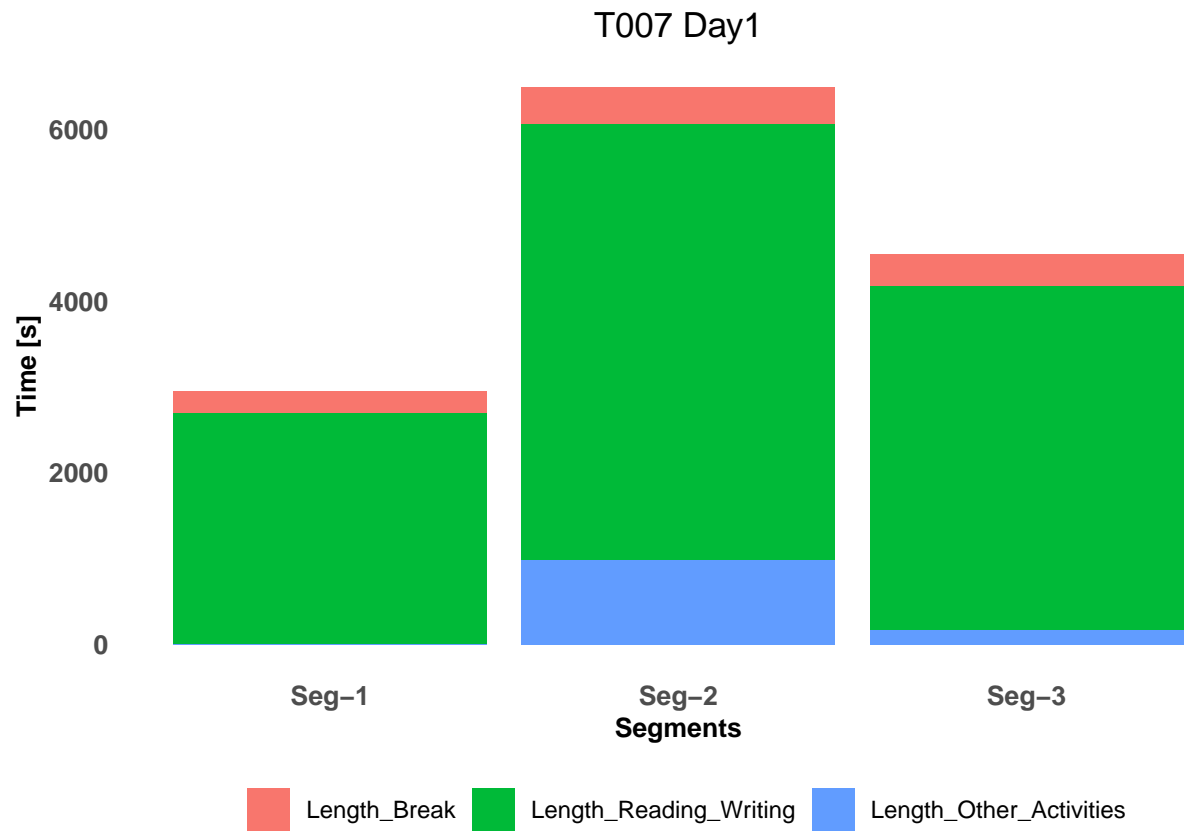


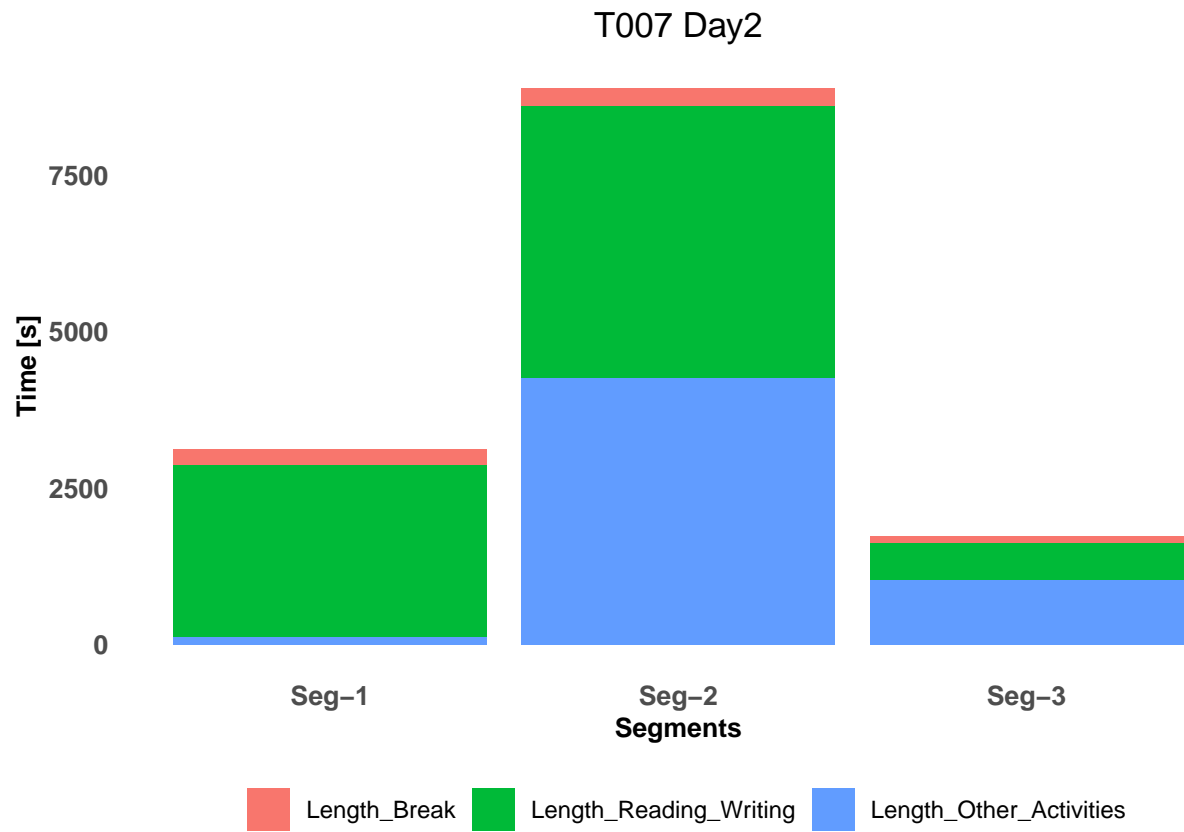


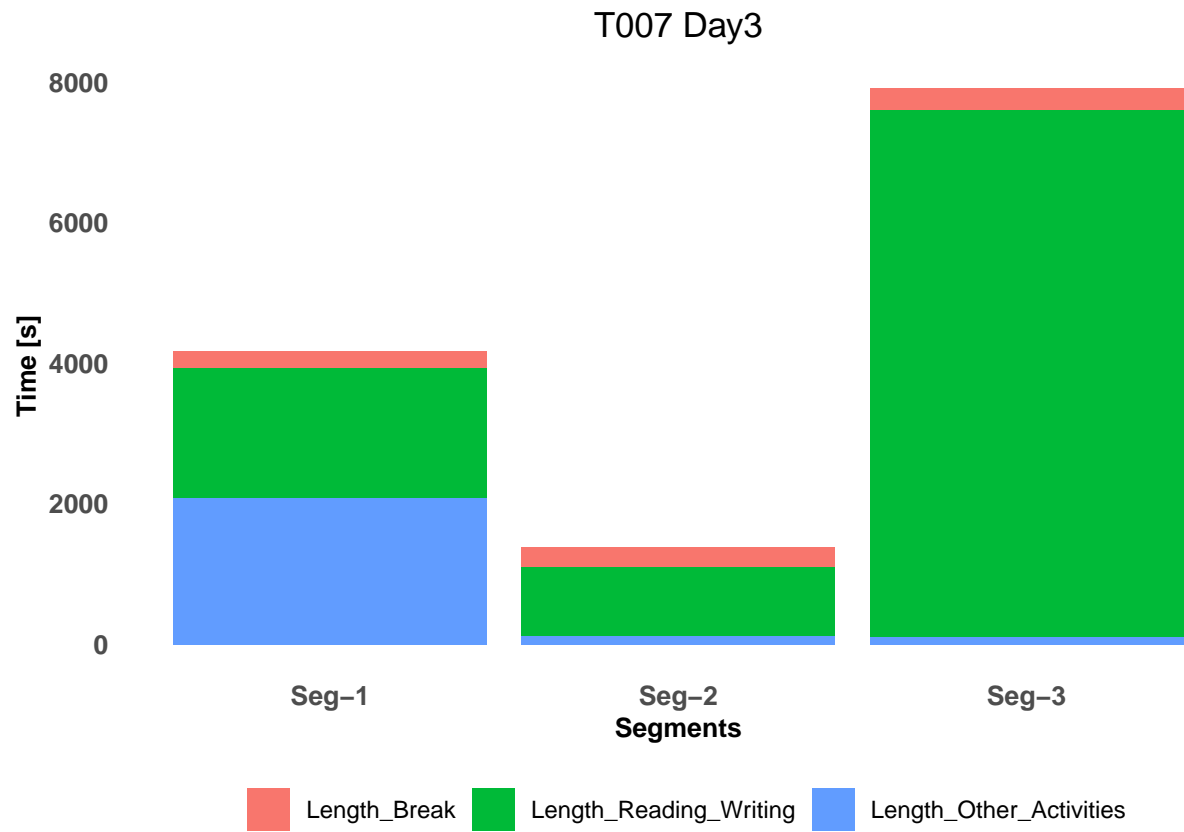


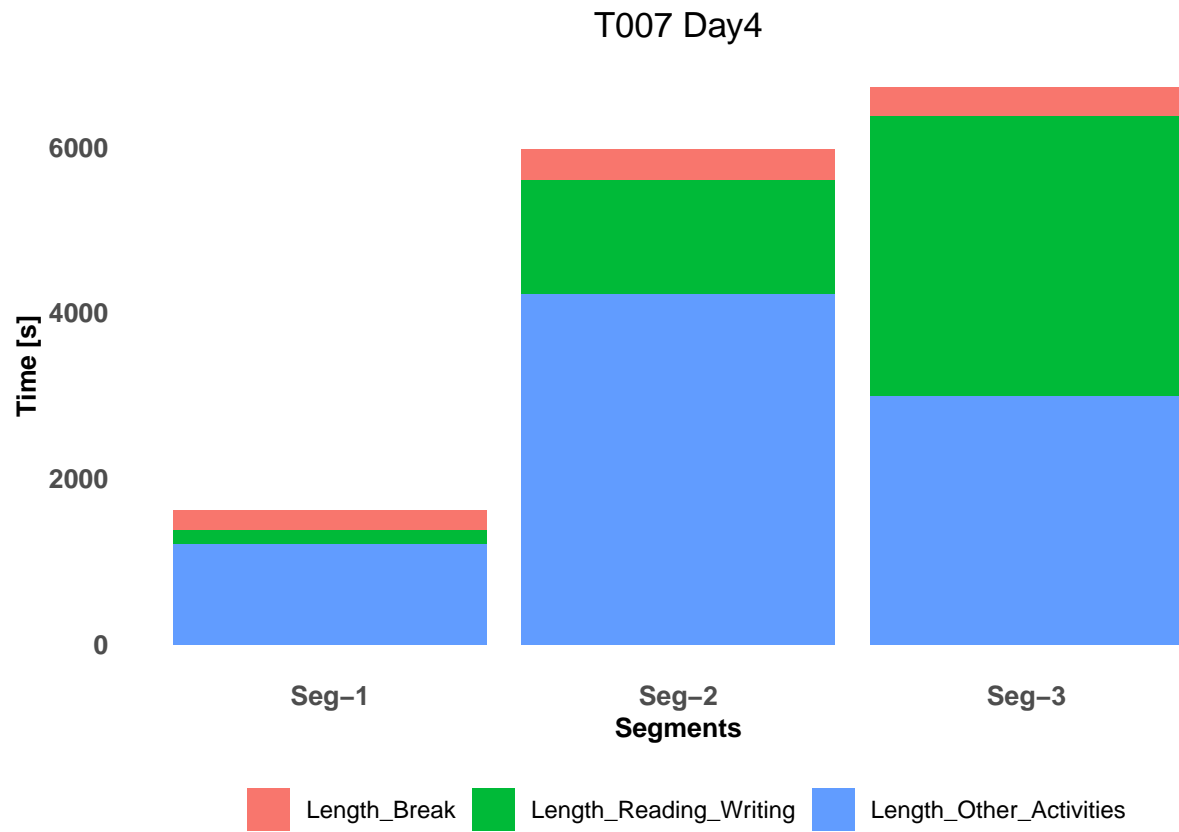




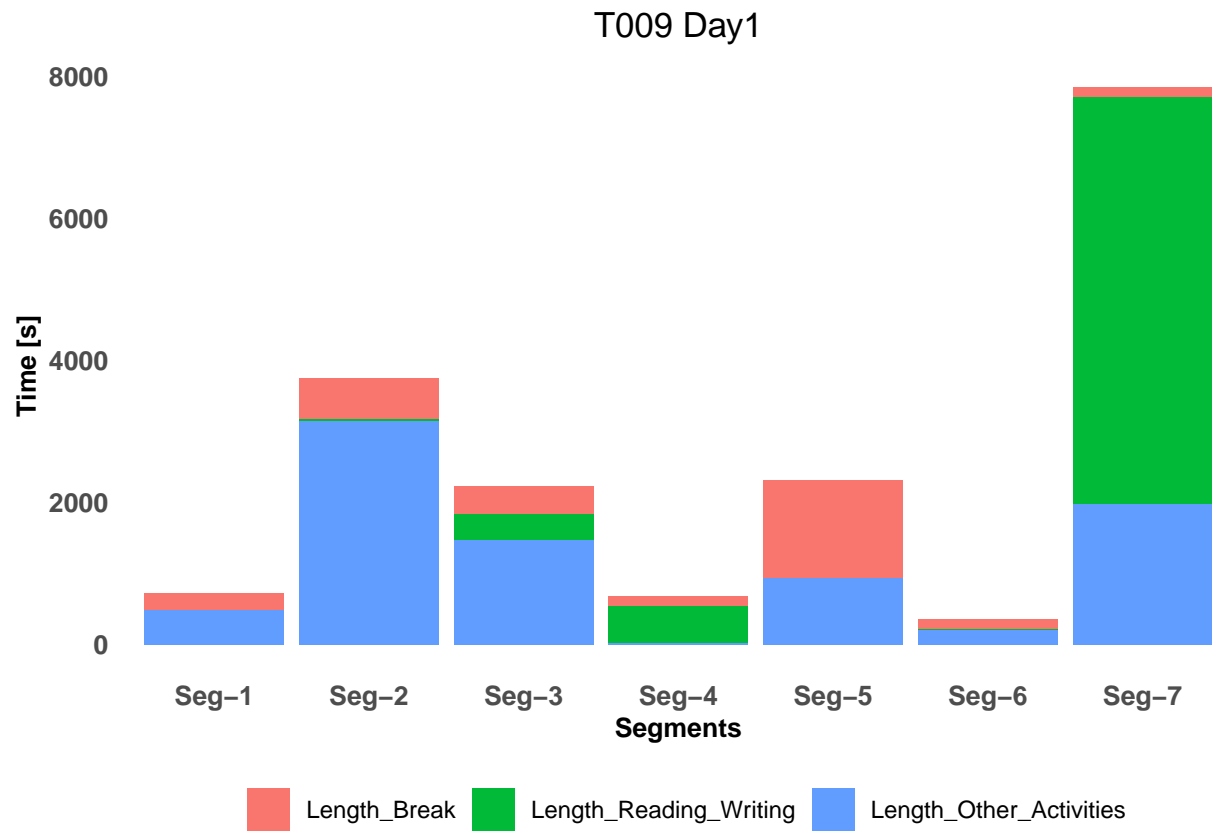




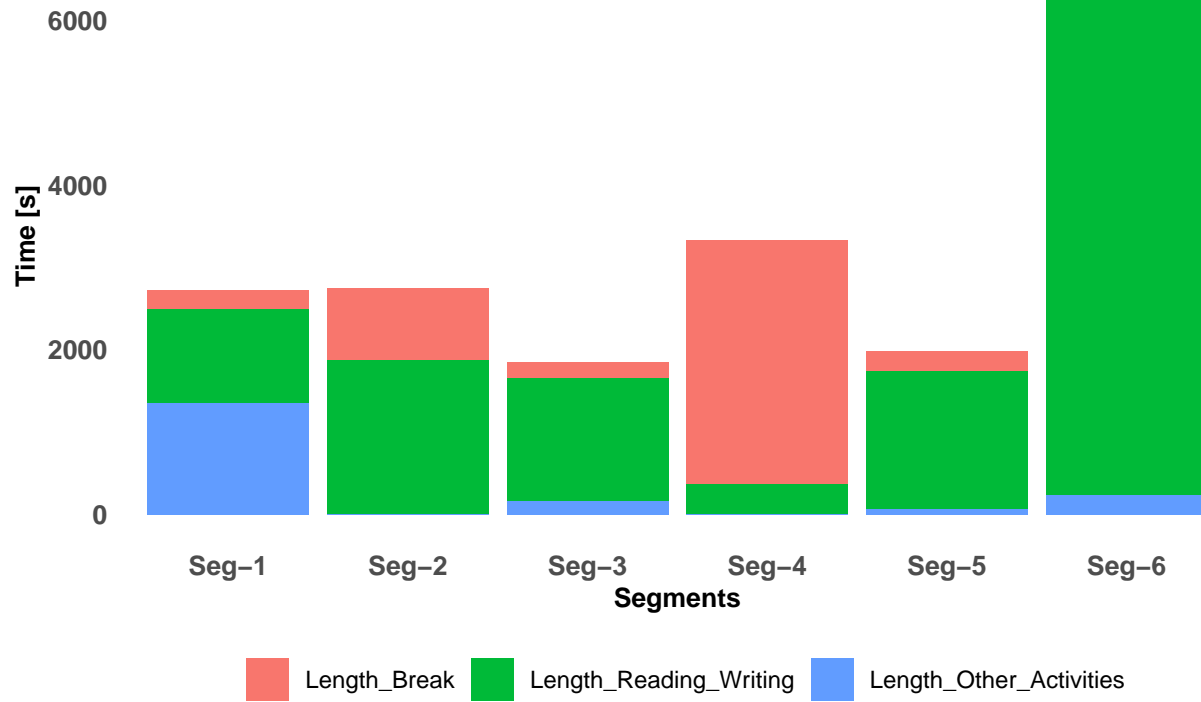


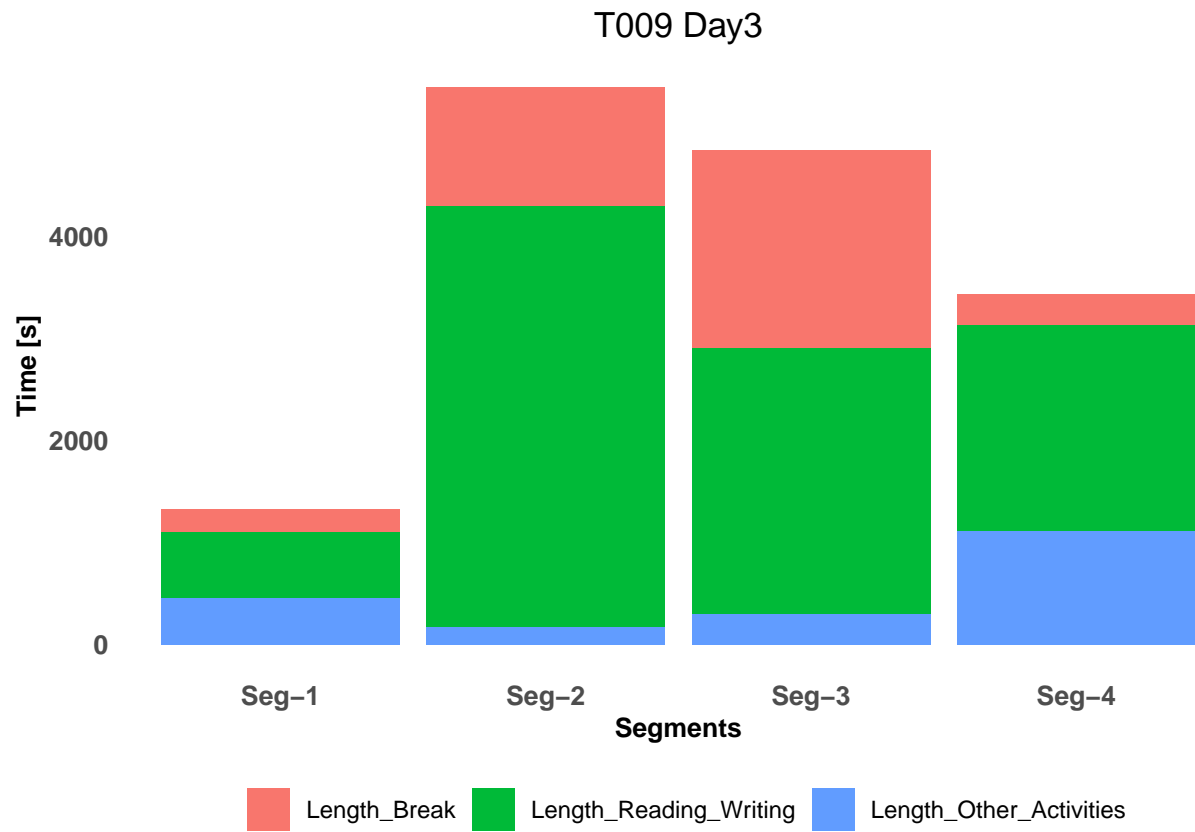


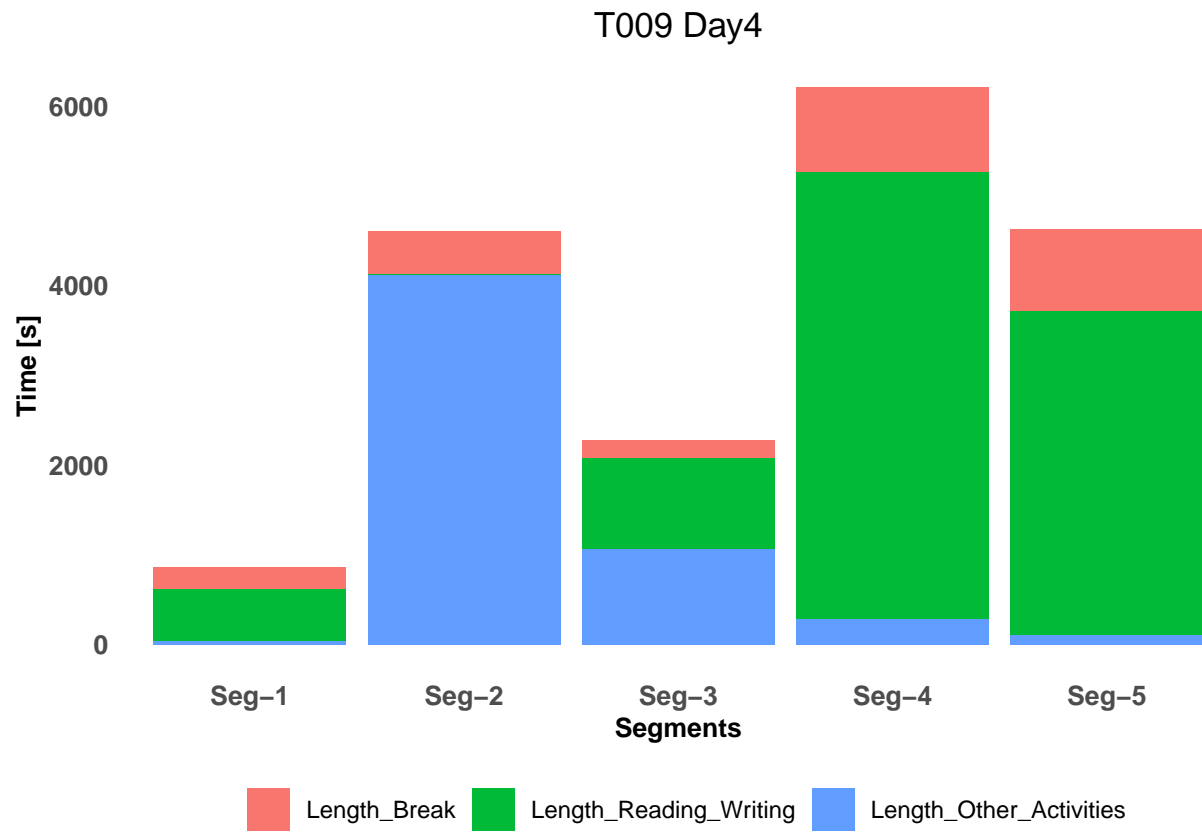


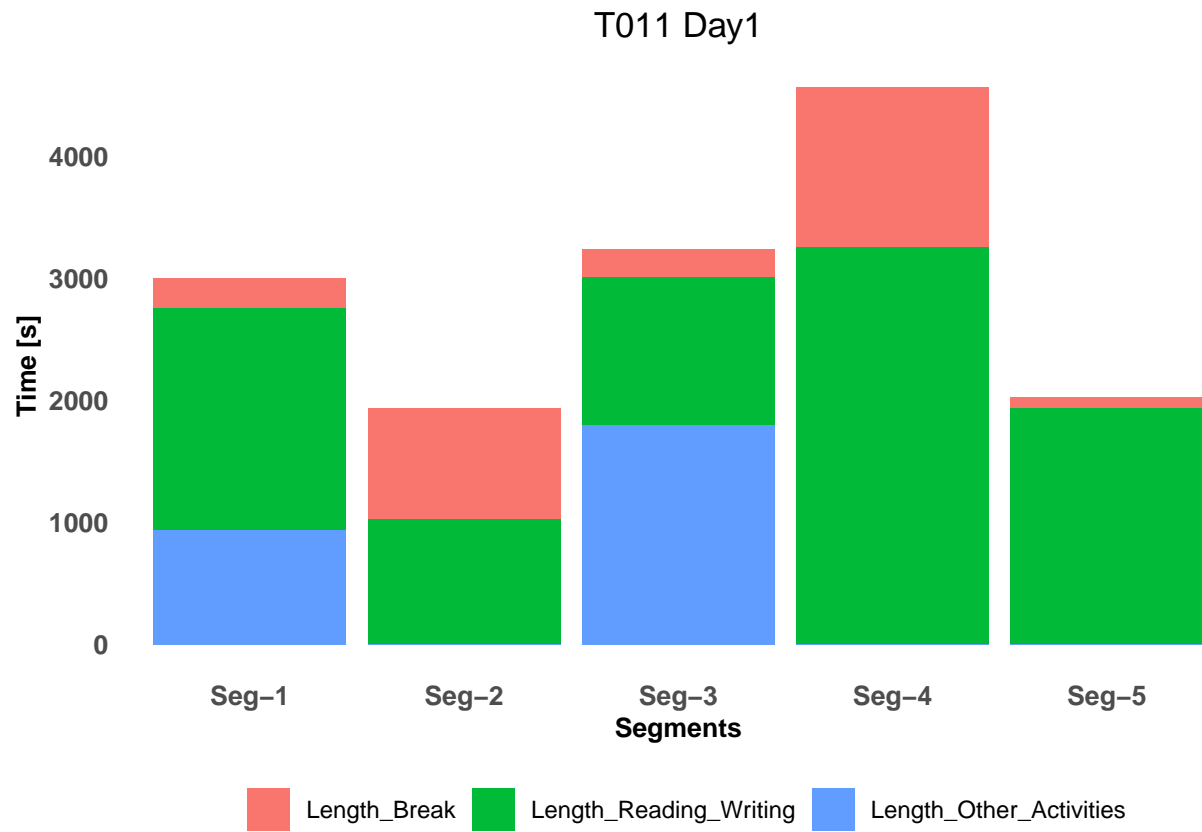


# T009 Day2

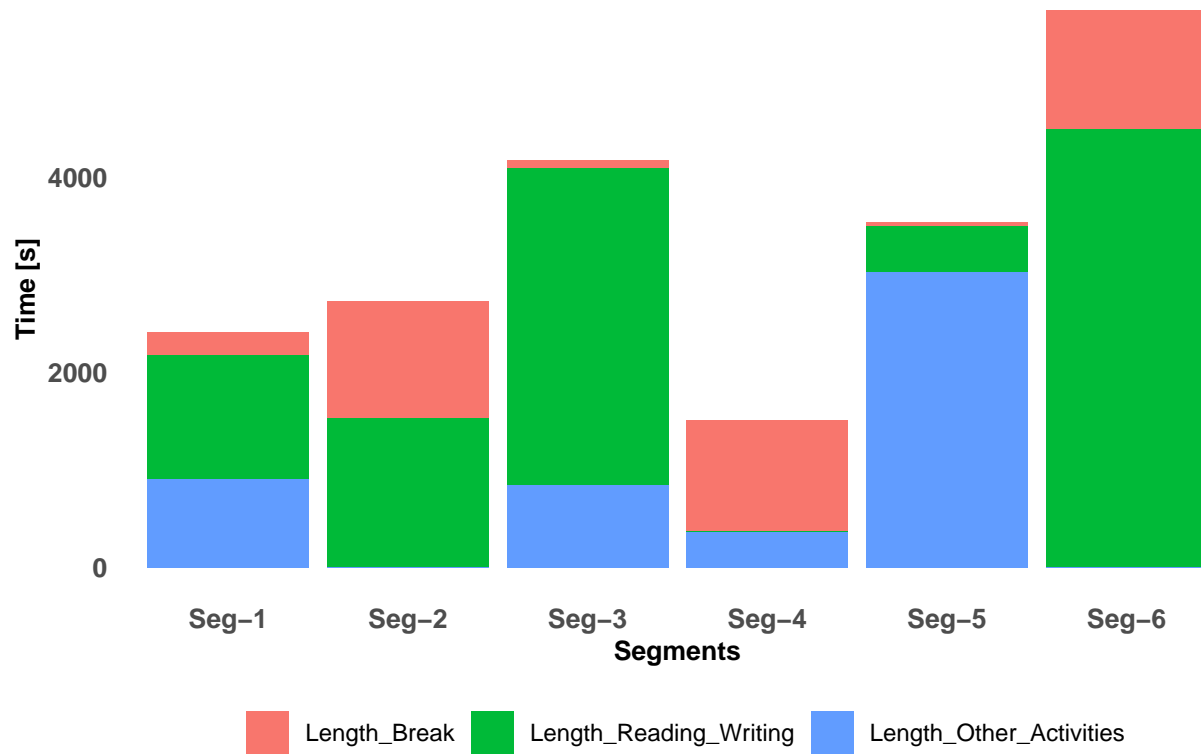


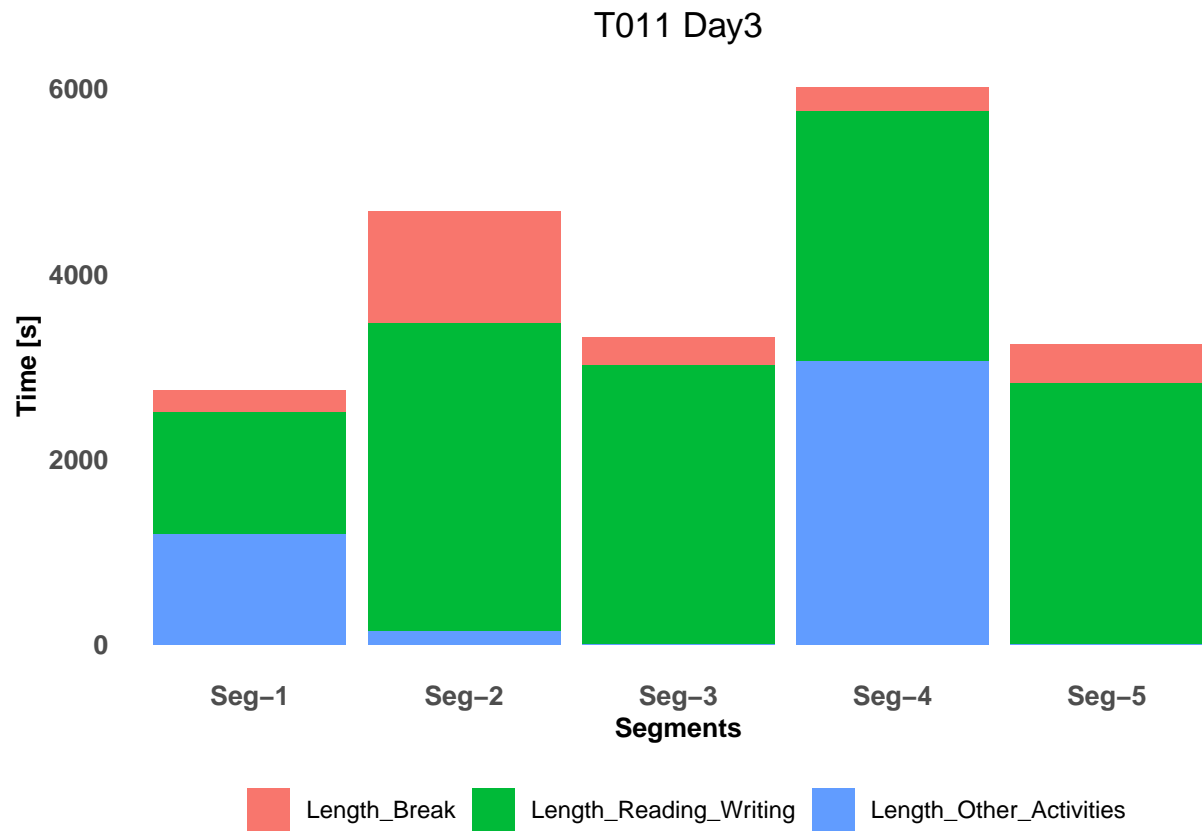


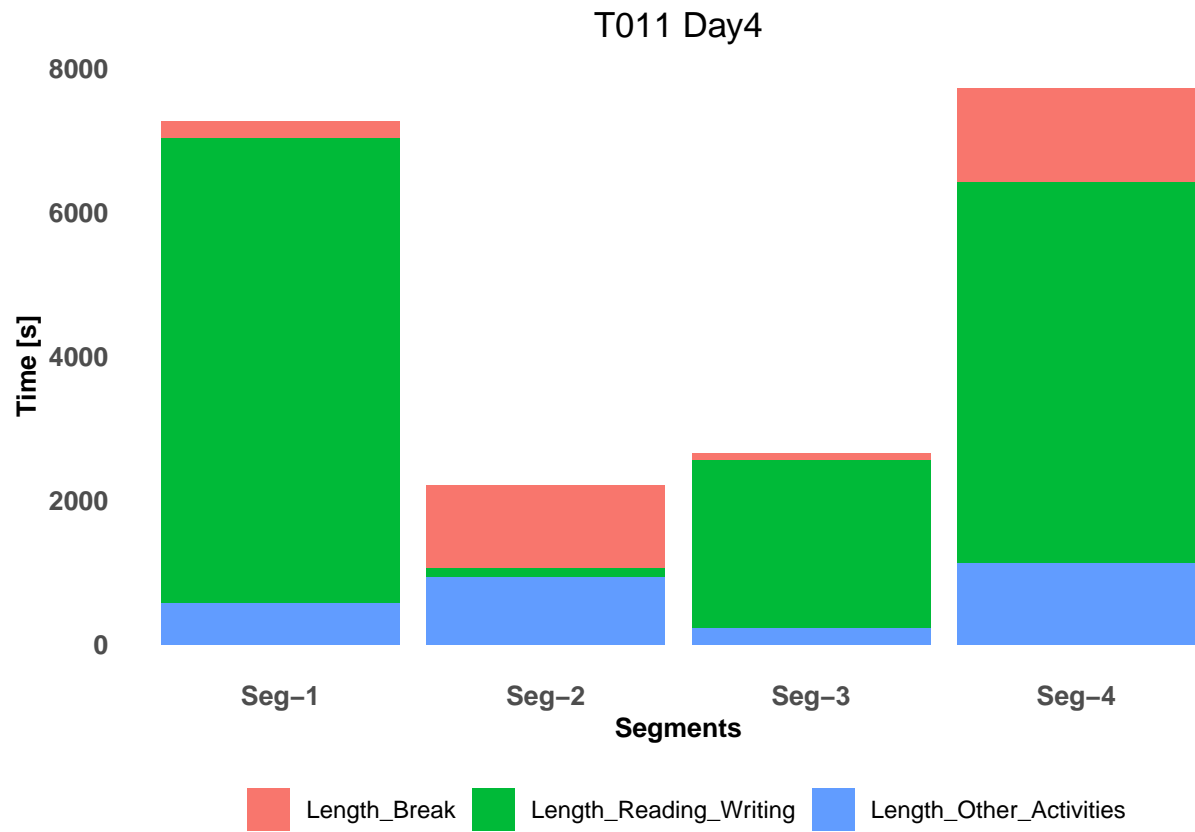




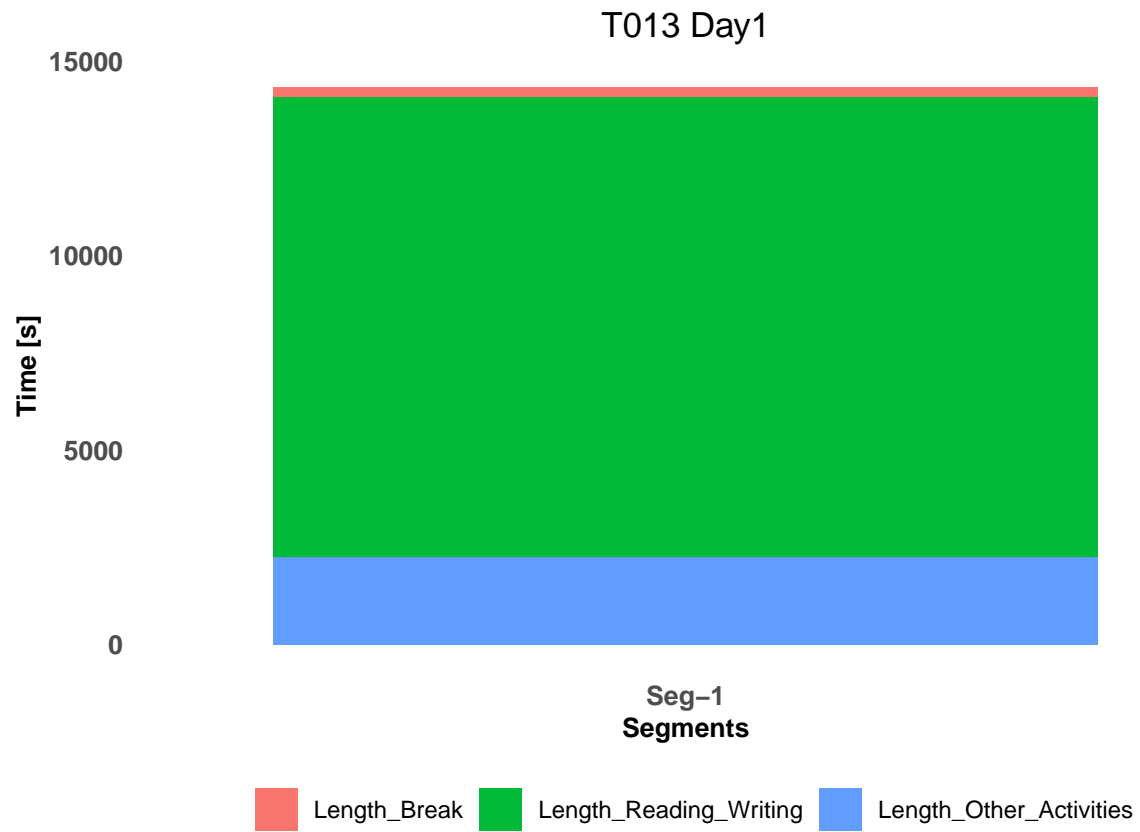
## T011 Day2

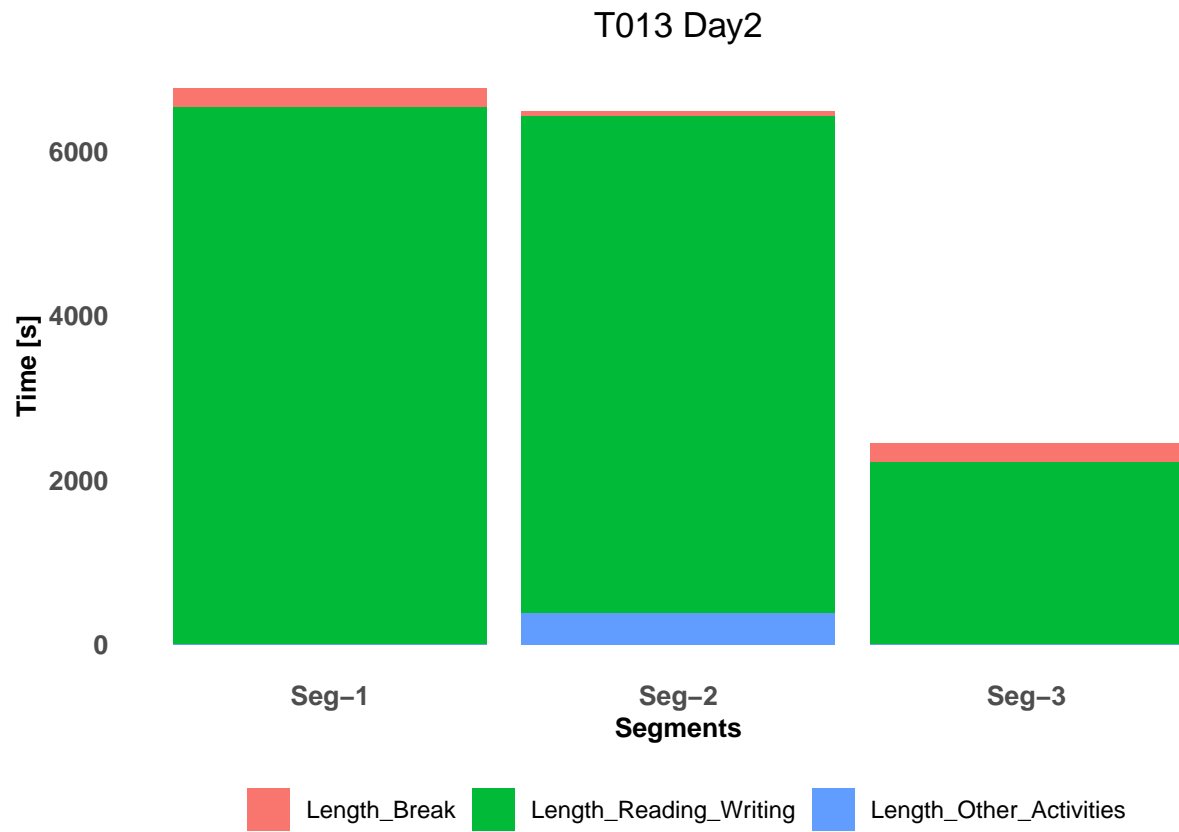


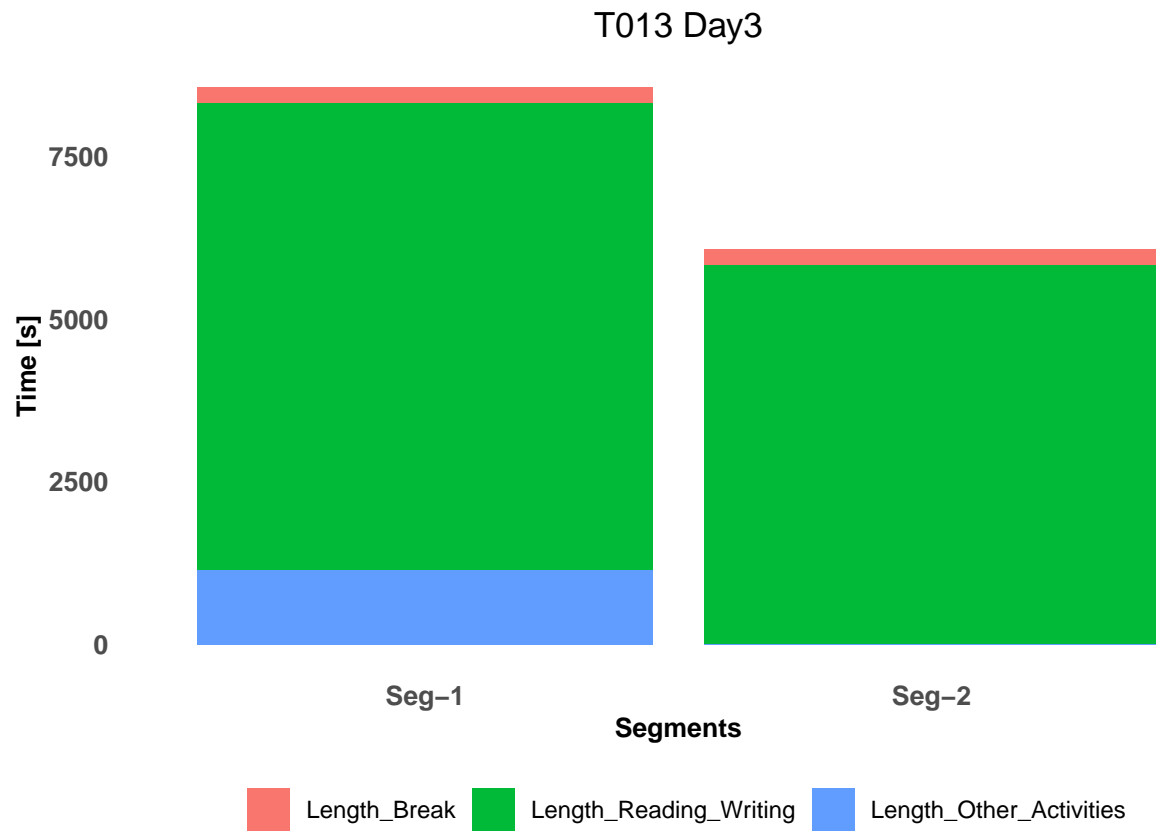




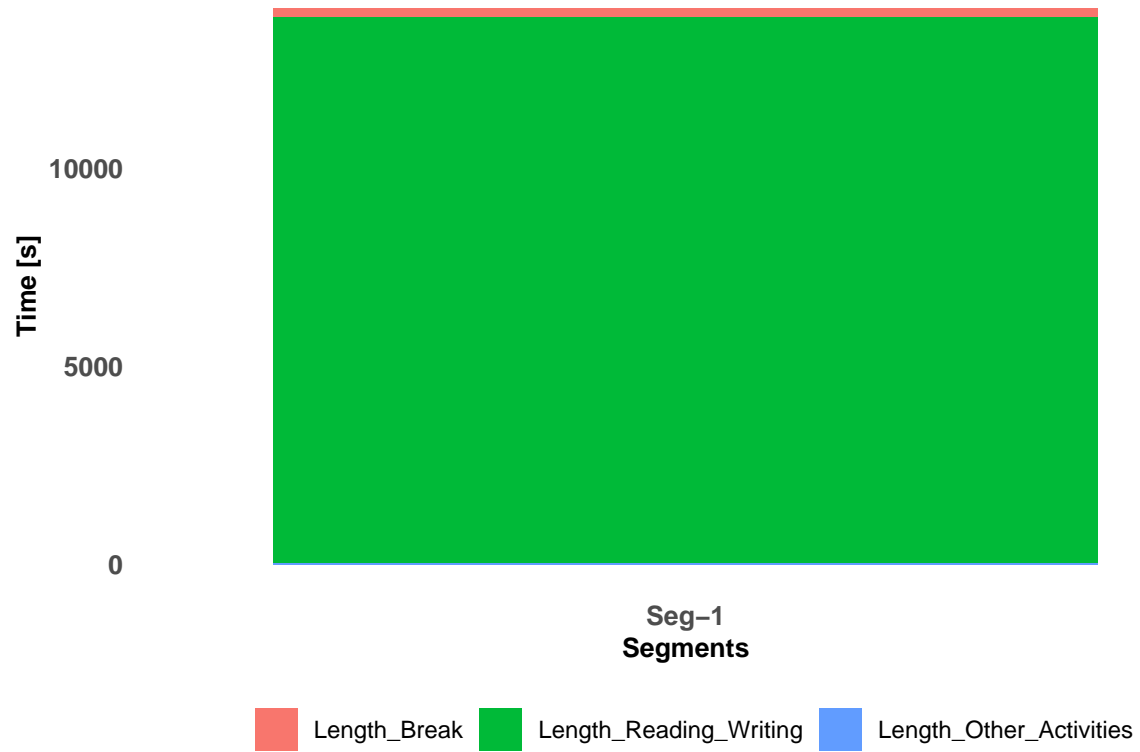


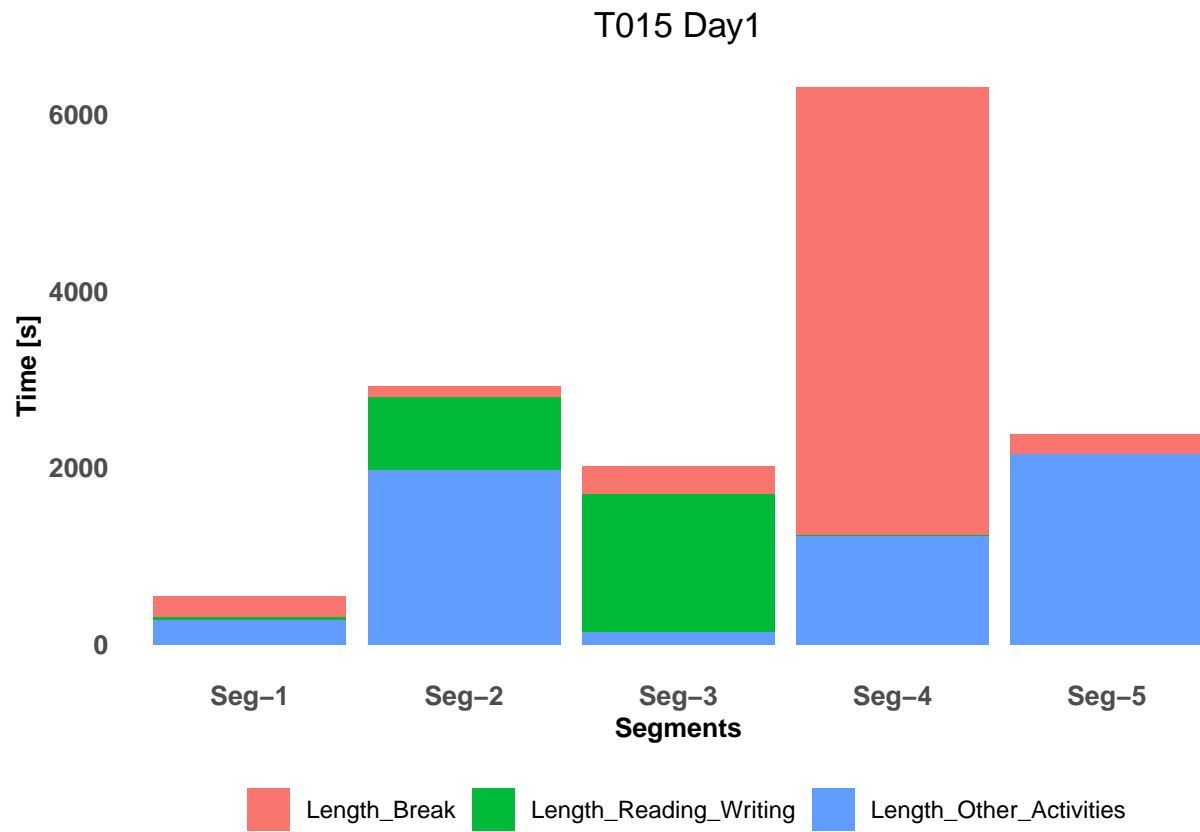


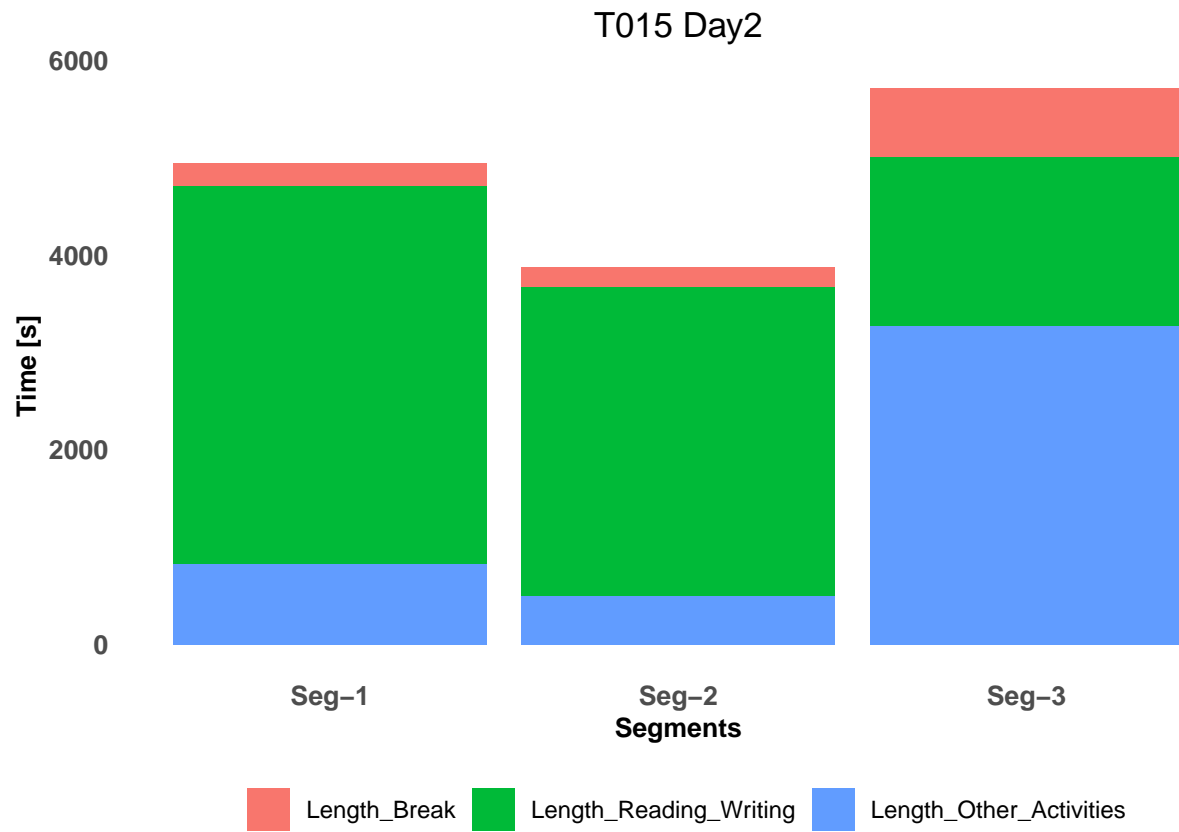




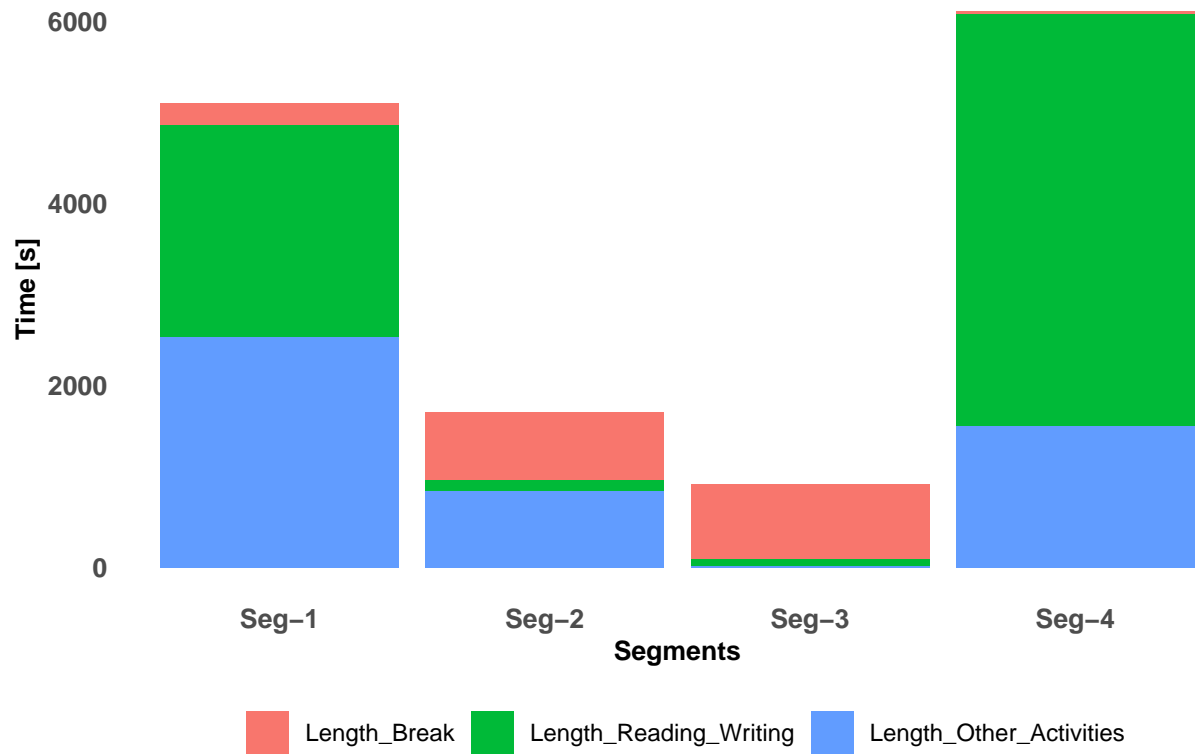
## T013 Day4

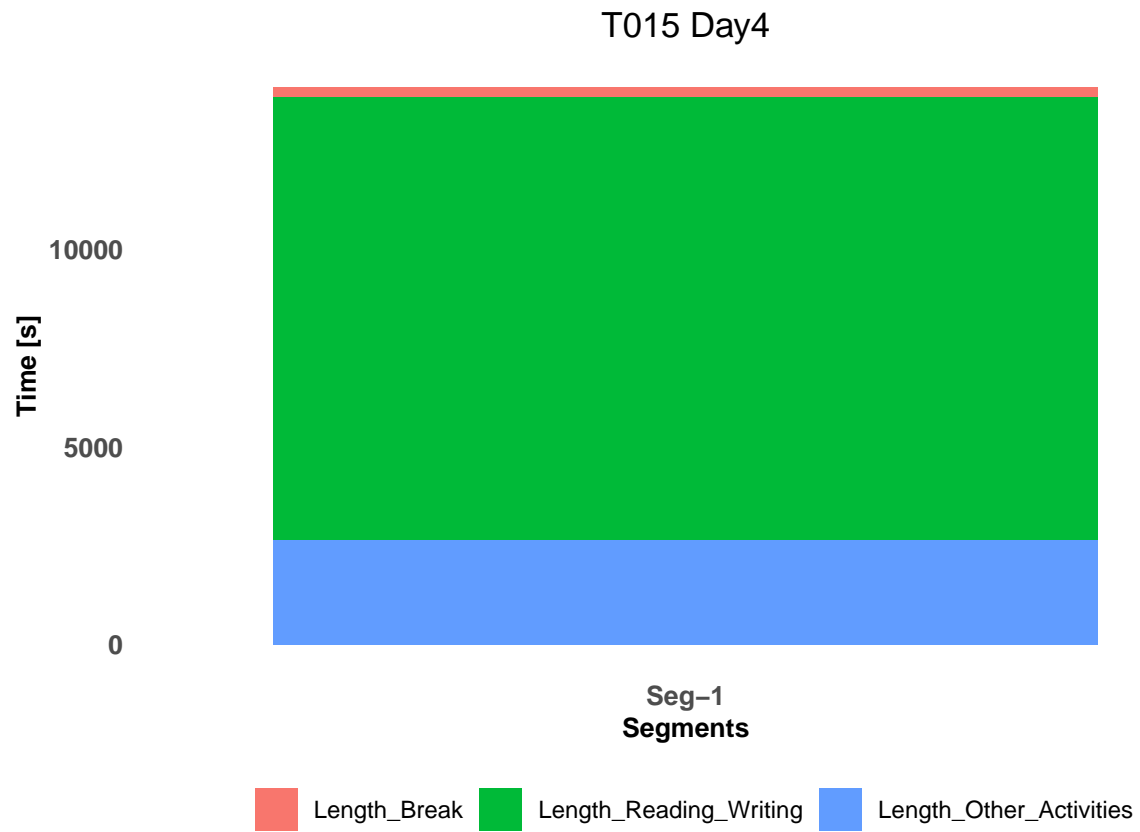




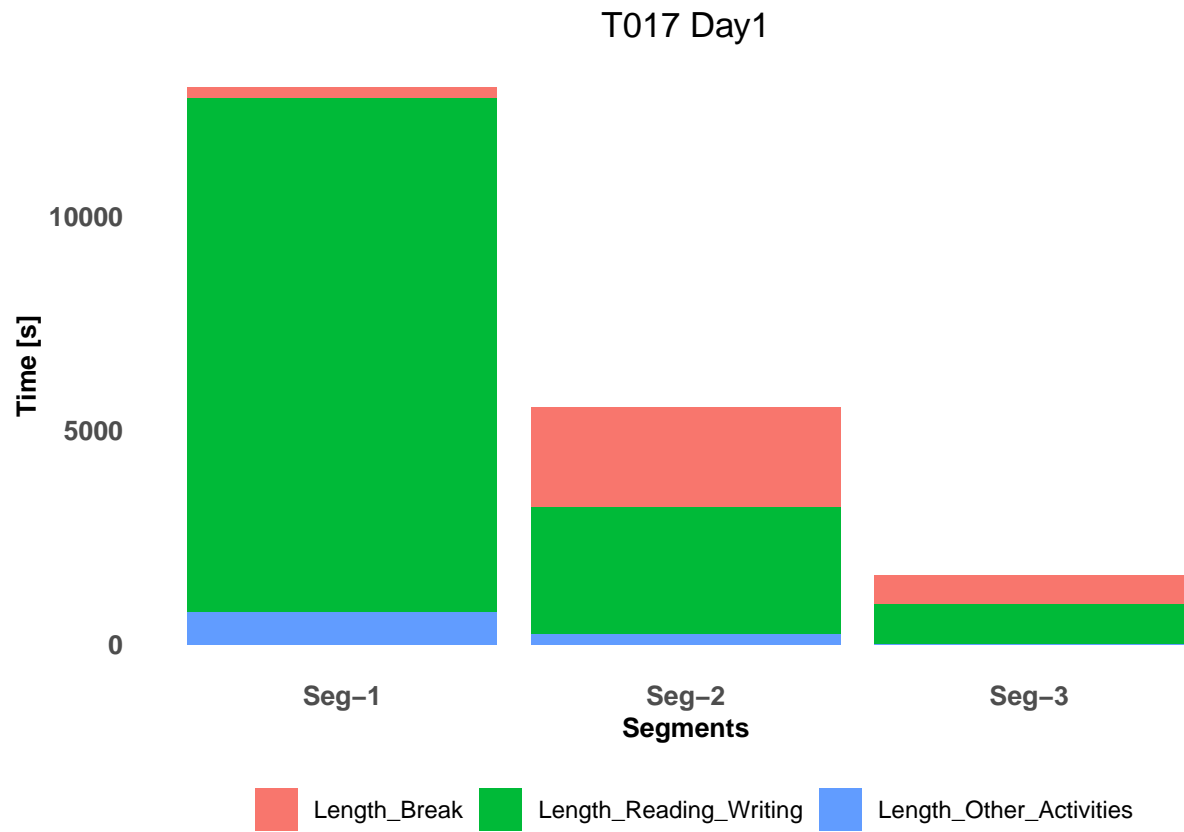


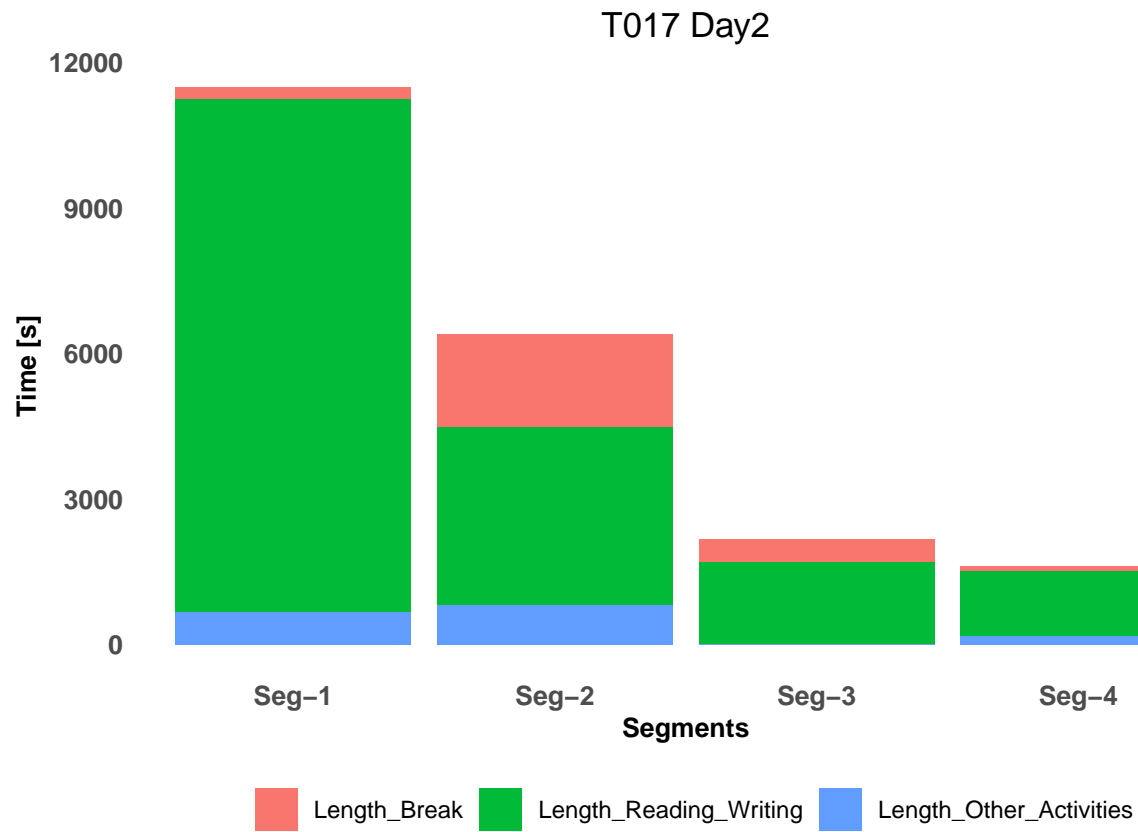
# T015 Day3

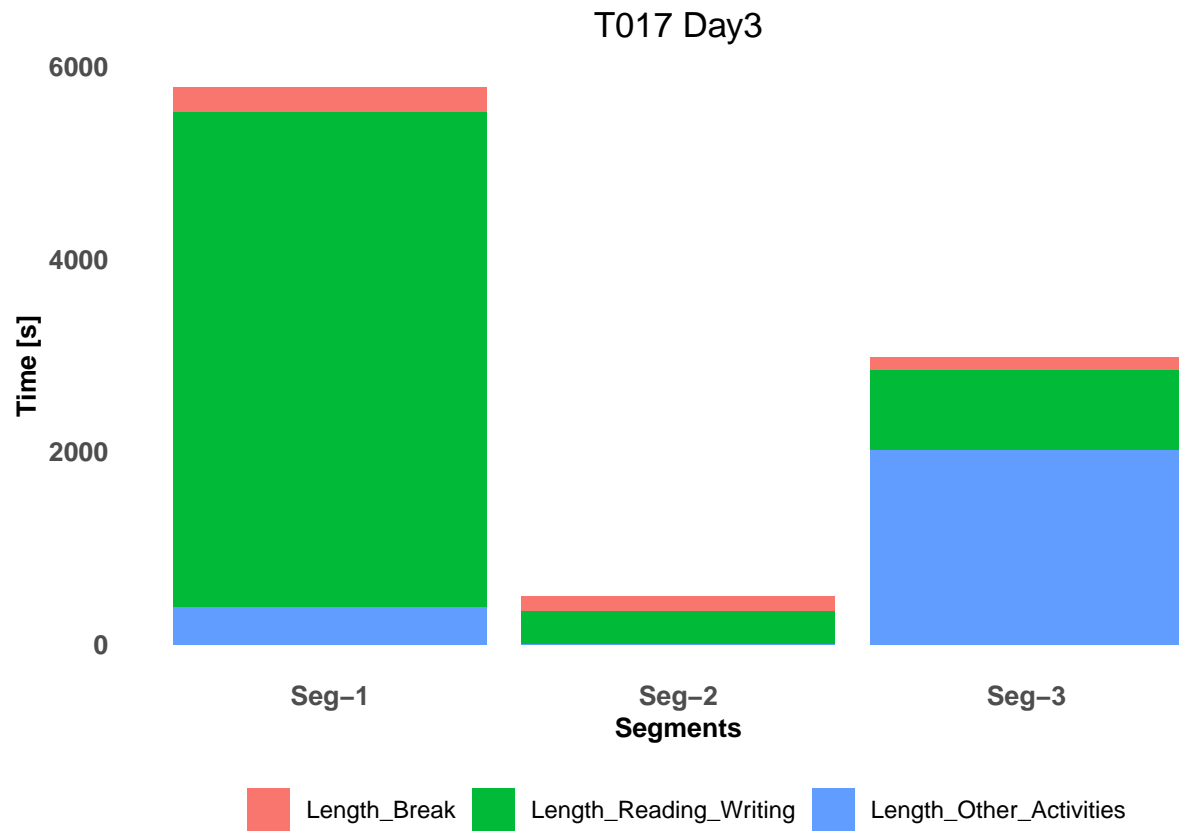


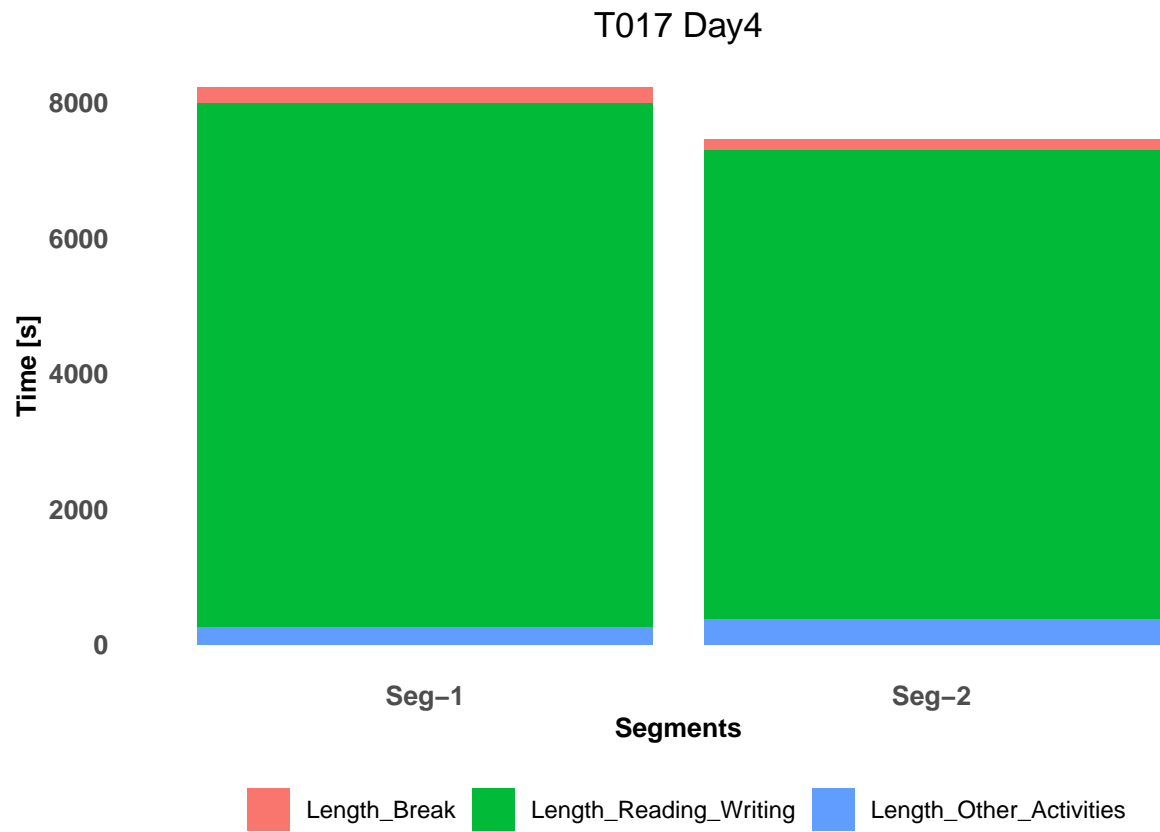


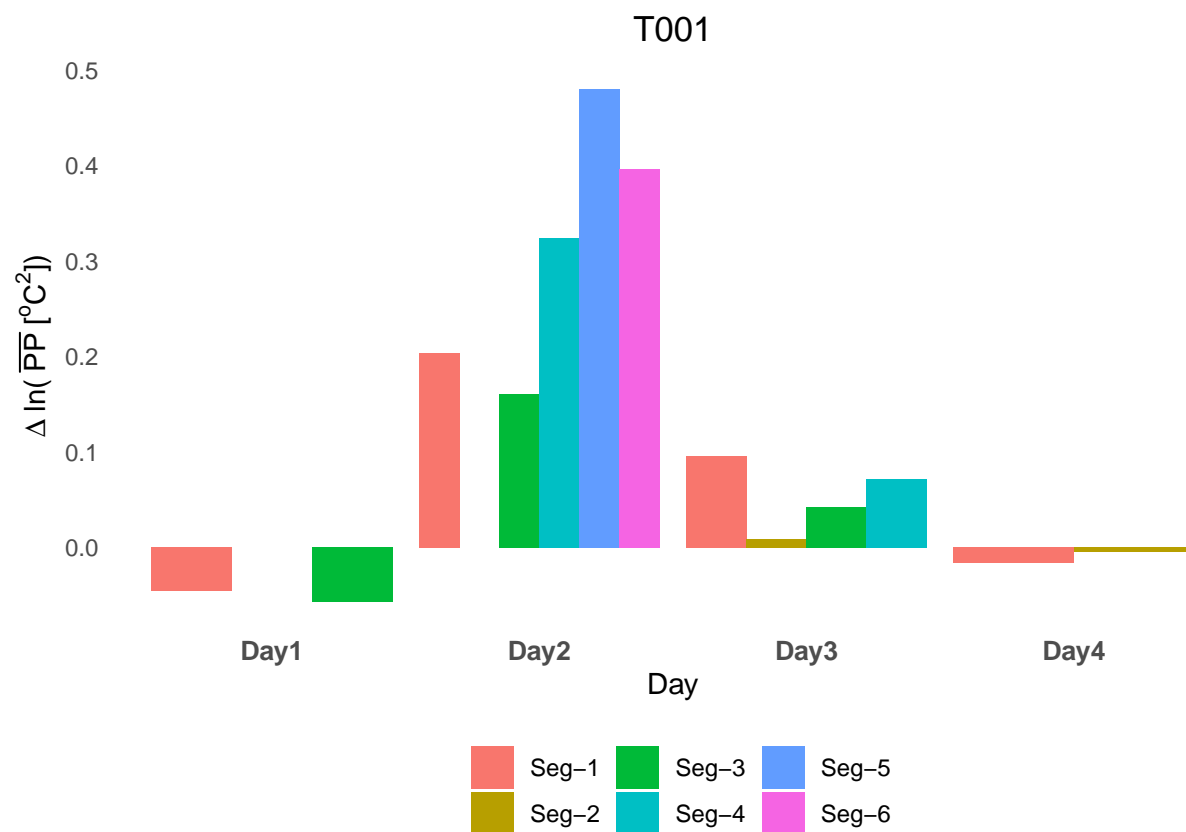


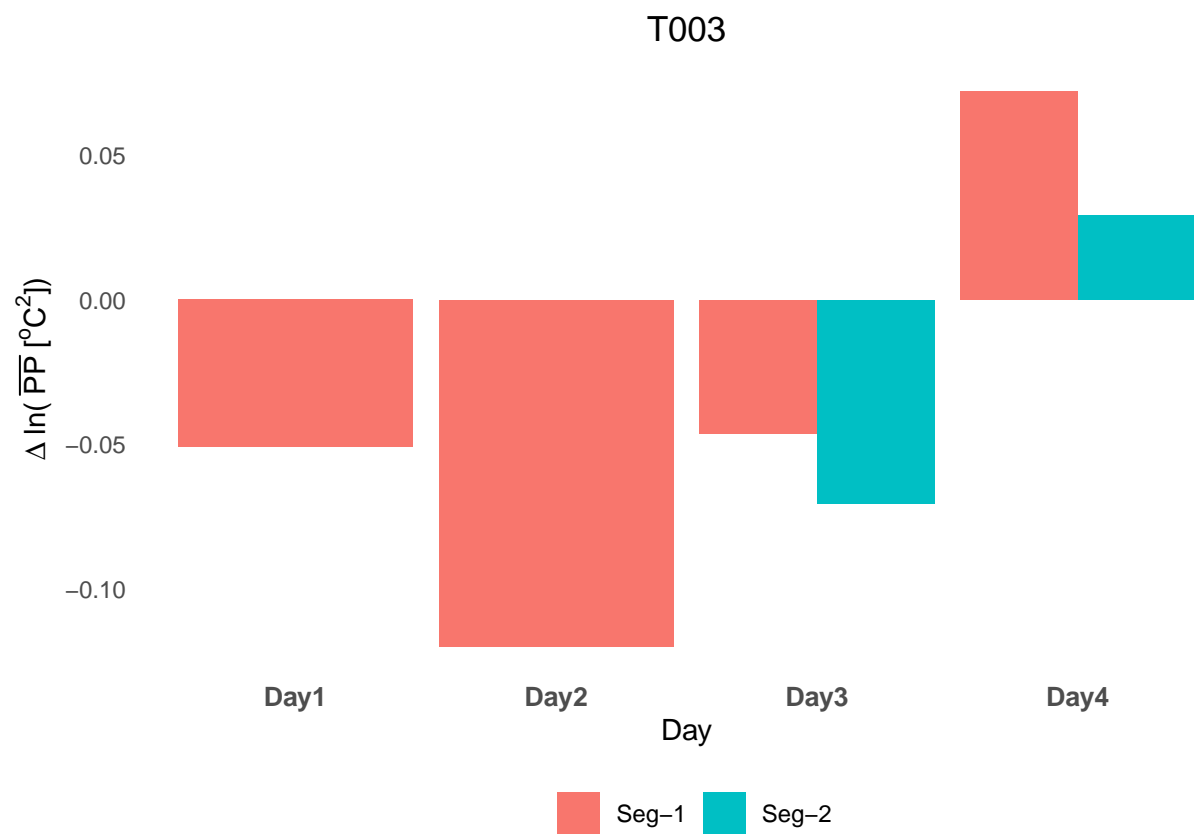


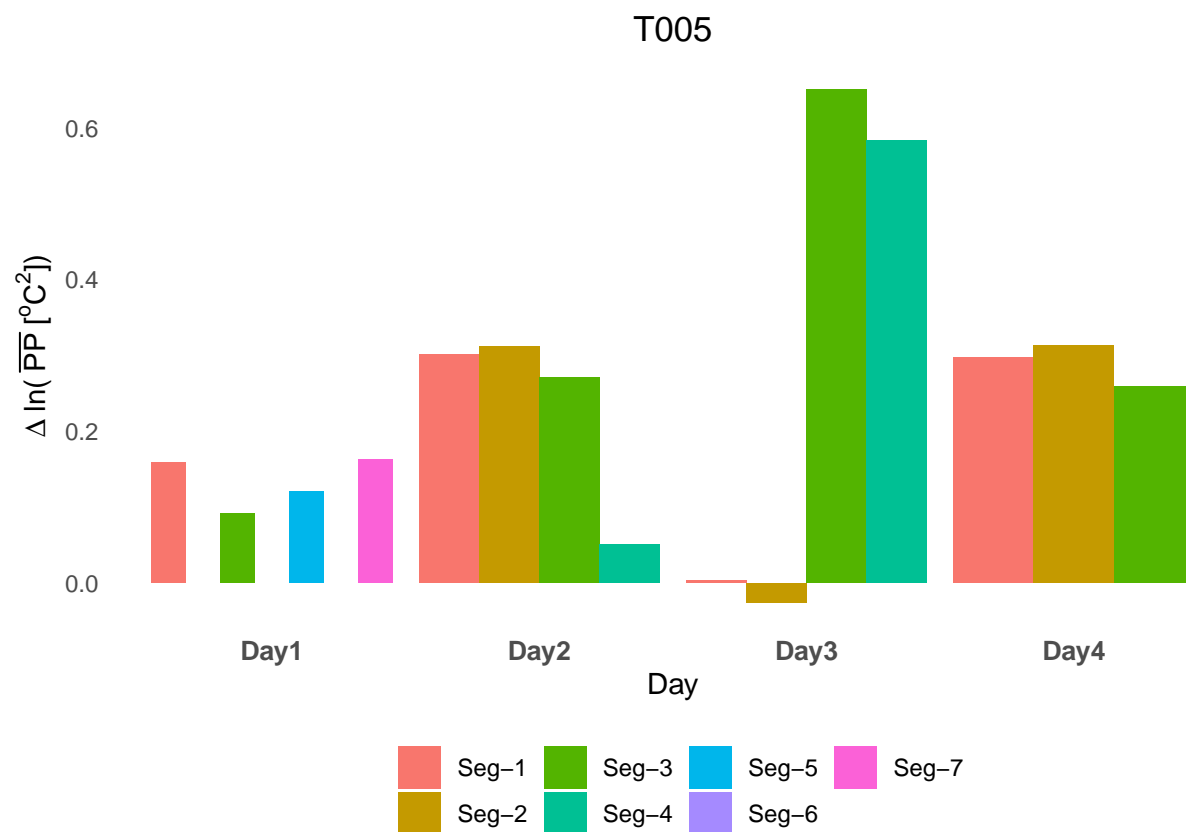


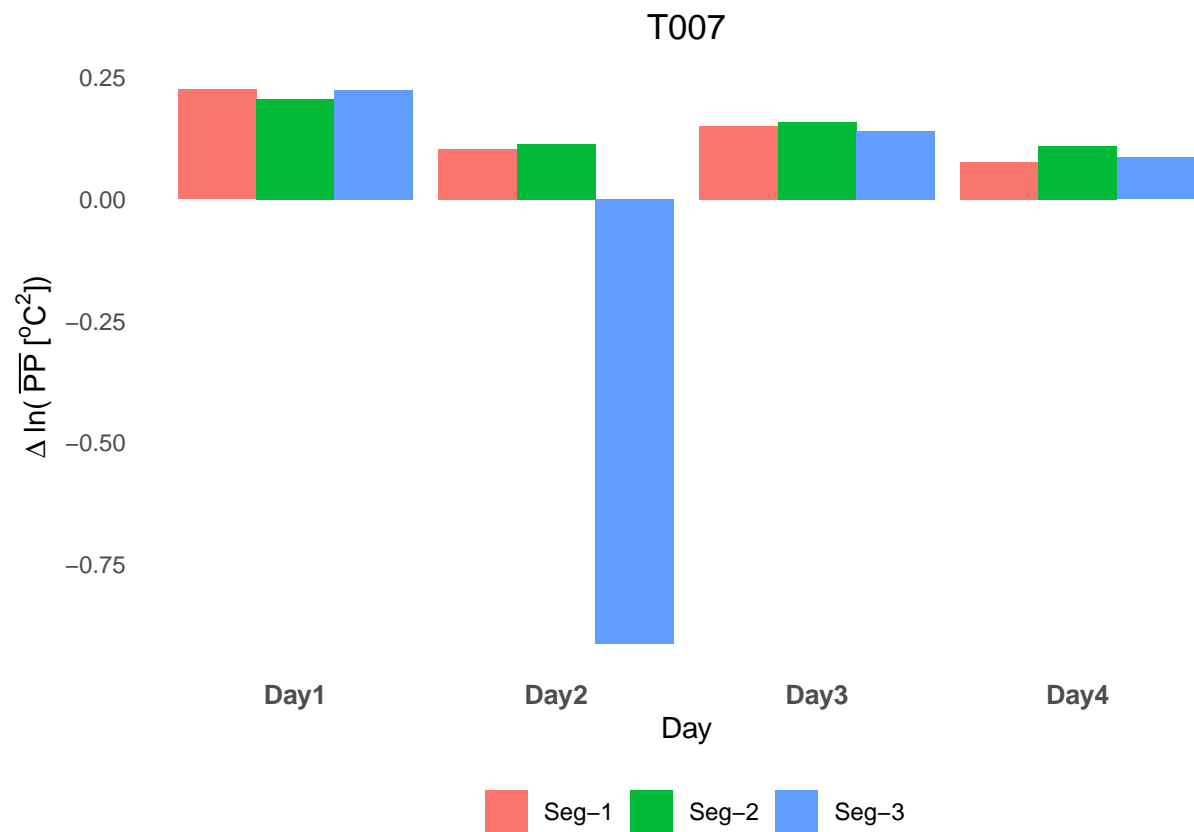




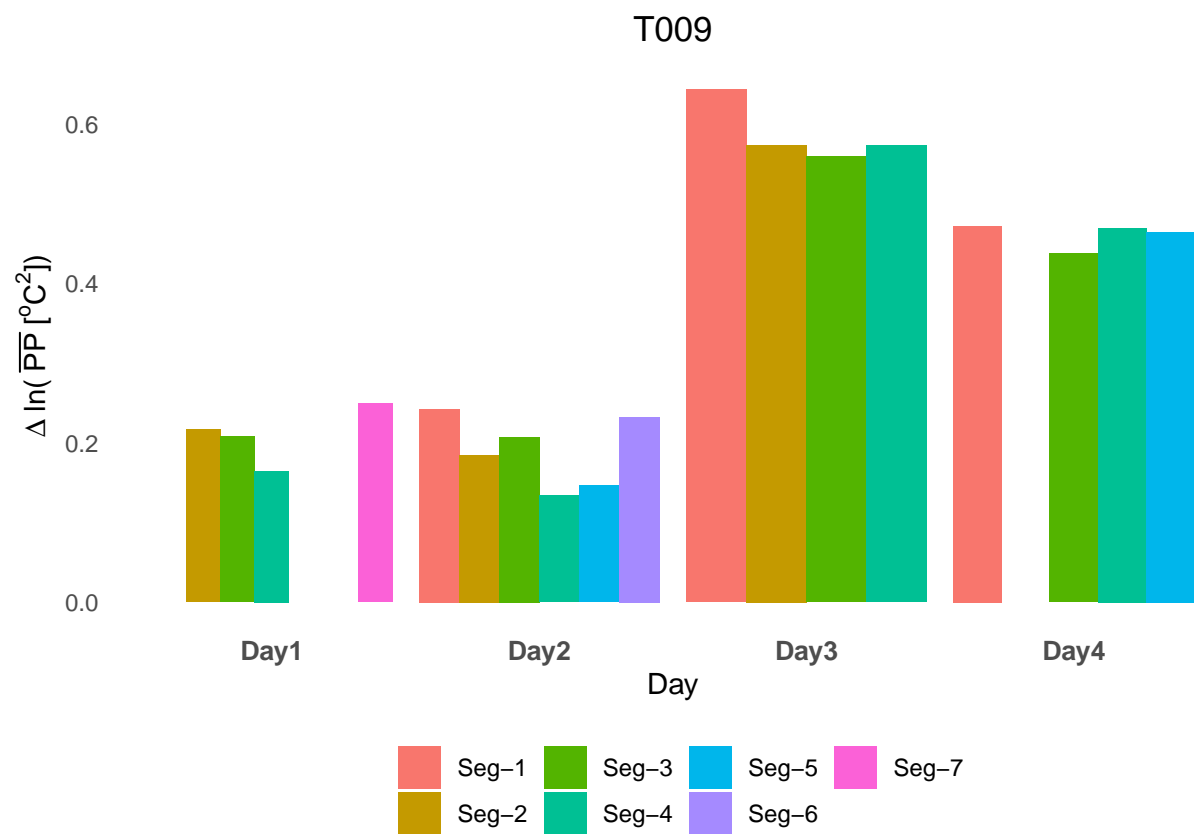


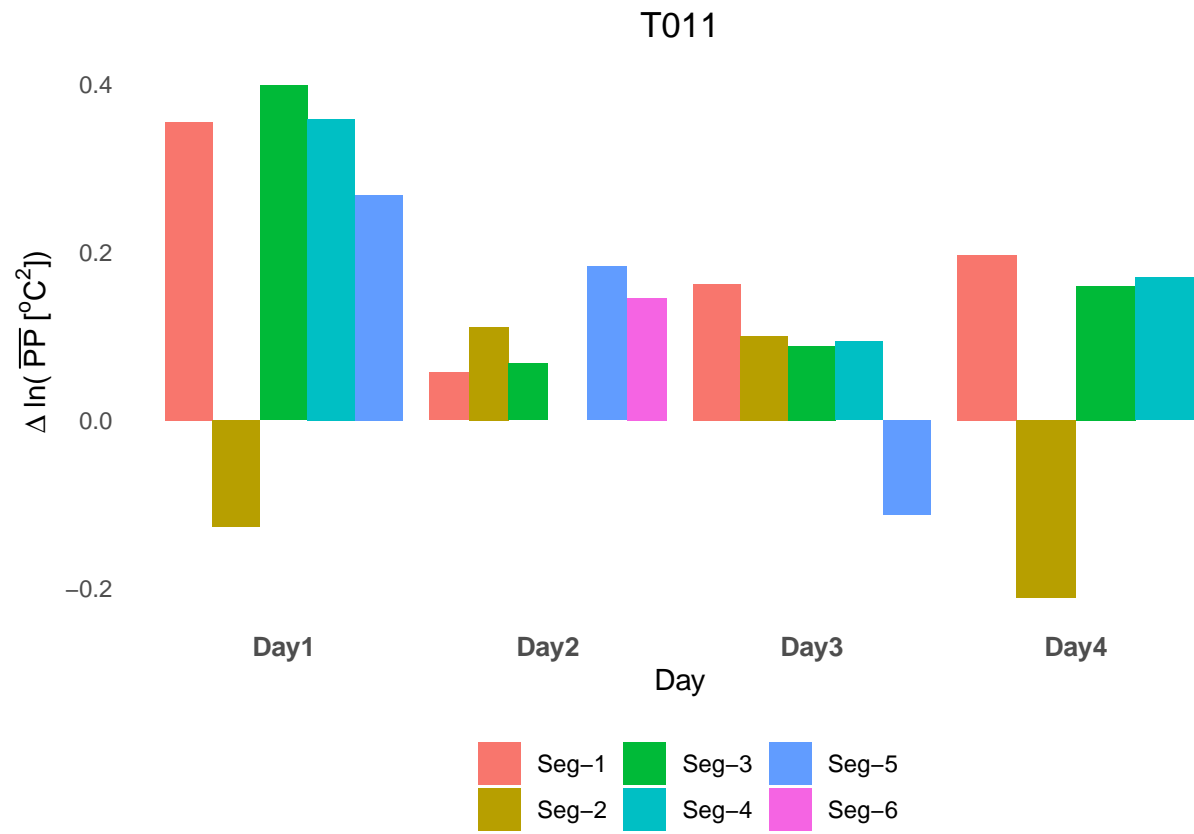


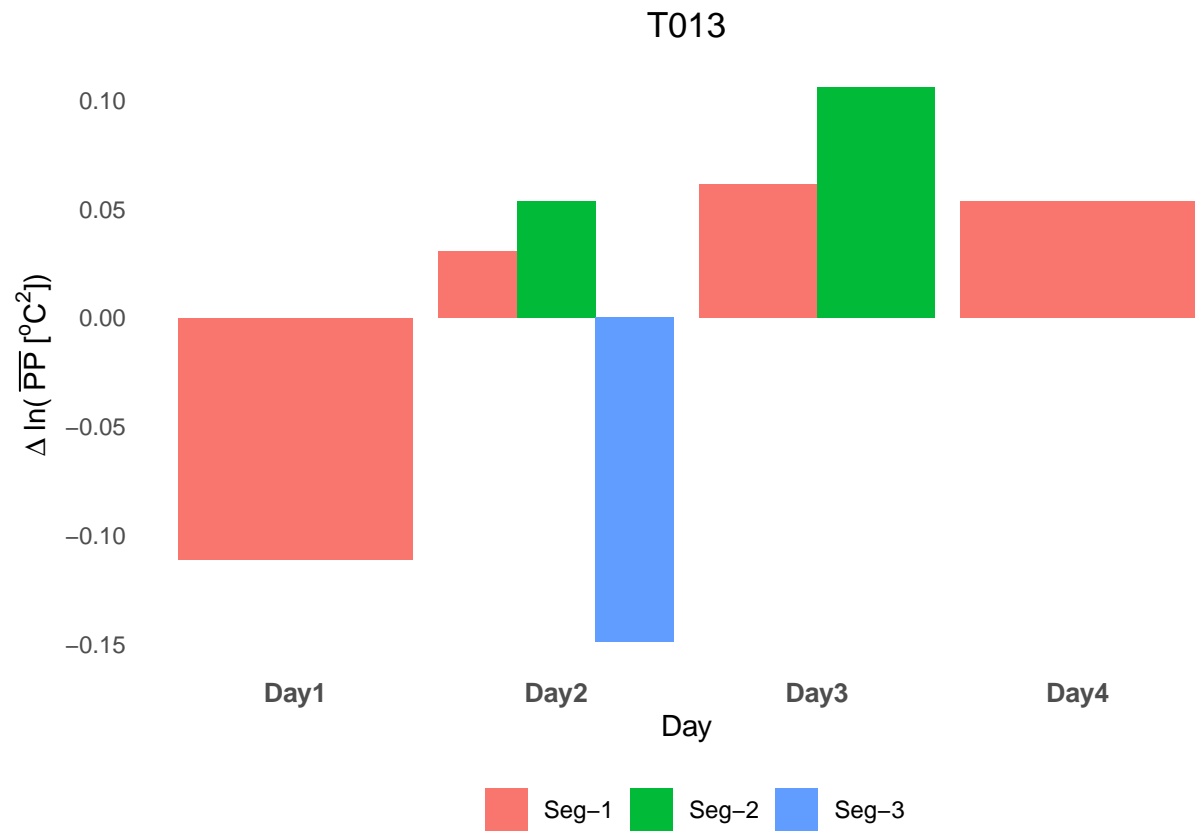


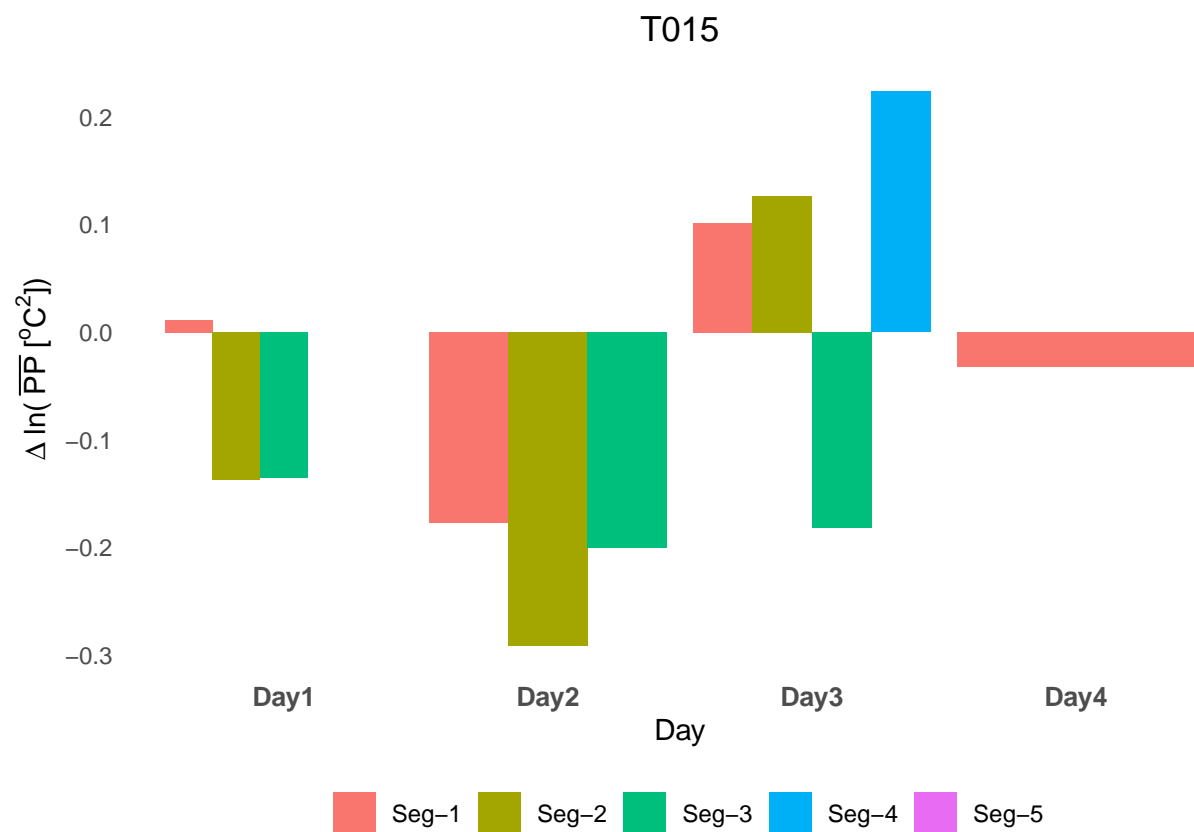


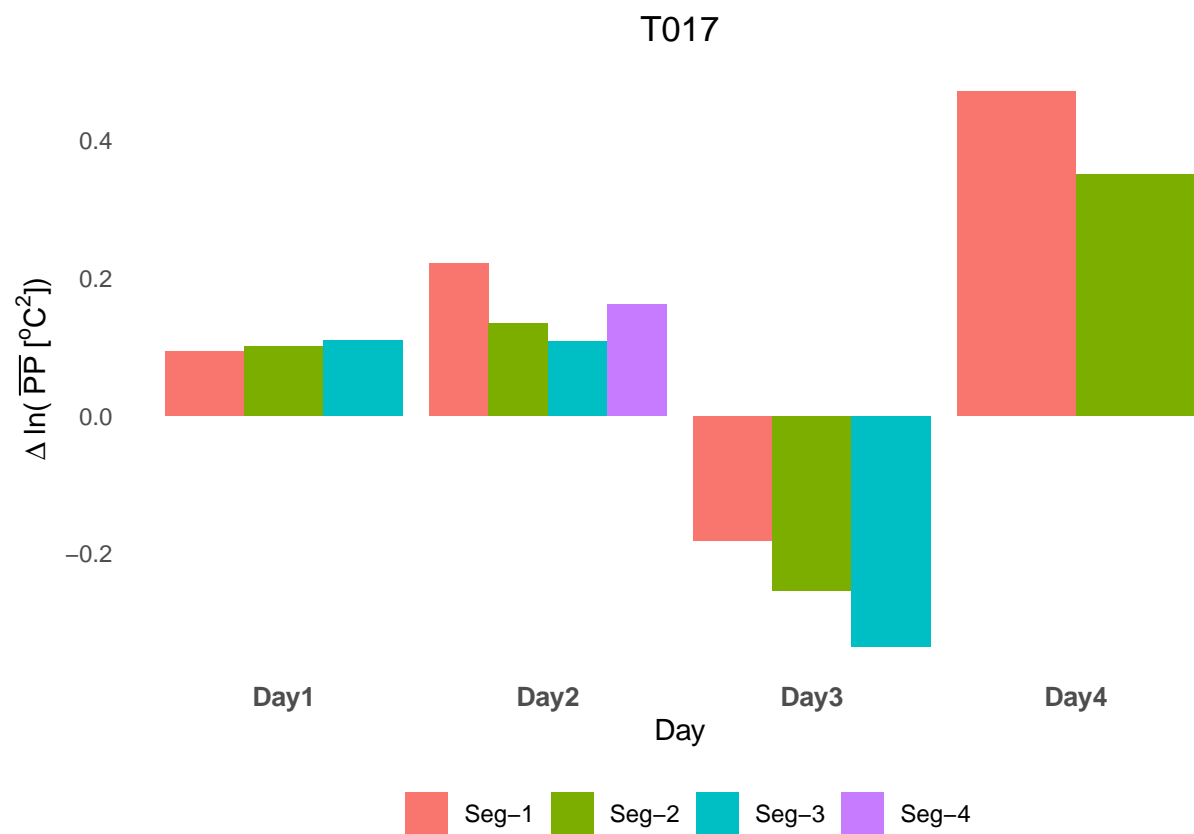












## Model1 with Normalized\_mean\_RW ~ Length\_Break + Length\_Reading\_Writing + Length\_Other\_Activities

```
##
## Call:
## lm(formula = Normalized_PP_mean_RW ~ Length_Break + Length_Reading_Writing +
##     Length_Other_Activities + Gender, data = Merged_Data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.96024 -0.12981  0.02147  0.10685  0.50444
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    3.964e-02  4.732e-02   0.838   0.4040
## Length_Break    7.976e-05  3.045e-05   2.620   0.0101 *
## Length_Reading_Writing -2.841e-07  5.973e-06  -0.048   0.9621
## Length_Other_Activities -2.608e-06  1.781e-05  -0.146   0.8839
## GenderMale      8.296e-02  4.359e-02   1.903   0.0597 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.216 on 108 degrees of freedom
## (12 observations deleted due to missingness)
## Multiple R-squared:  0.1063, Adjusted R-squared:  0.07315
## F-statistic:  3.21 on 4 and 108 DF,  p-value: 0.01563

## Analysis of Variance Table
##
## Response: Normalized_PP_mean_RW
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Length_Break    1  0.4167  0.41667    8.9324 0.003469 **
## Length_Reading_Writing 1  0.0128  0.01282    0.2747 0.601257
## Length_Other_Activities 1  0.0005  0.00050    0.0108 0.917349
## Gender          1  0.1689  0.16894    3.6217 0.059693 .
## Residuals     108  5.0379  0.04665
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

## Model2 with Normalized\_mean\_RW ~ Length\_Break + Length\_Reading\_Writing + Length\_Other\_Activities + Trait\_anxiety

```
##
## Call:
## lm(formula = Normalized_PP_mean_RW ~ Length_Break + Length_Reading_Writing +
##     Length_Other_Activities + Trait_anxiety, data = Merged_Data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.96521 -0.08950  0.00338  0.13749  0.45115
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -2.089e-01  1.022e-01  -2.045  0.04333 *
## Length_Break    8.178e-05  2.940e-05   2.782  0.00639 **
## Length_Reading_Writing -1.764e-06  5.644e-06  -0.313  0.75518
## Length_Other_Activities  9.396e-06  1.767e-05   0.532  0.59596
## Trait_anxiety    6.908e-03  2.171e-03   3.181  0.00192 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.21 on 108 degrees of freedom
## (12 observations deleted due to missingness)
## Multiple R-squared:  0.1554, Adjusted R-squared:  0.1241
## F-statistic: 4.969 on 4 and 108 DF,  p-value: 0.001026

## Analysis of Variance Table
##
## Response: Normalized_PP_mean_RW
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Length_Break    1  0.4167  0.41667    9.4524 0.002671 **
## Length_Reading_Writing 1  0.0128  0.01282    0.2907 0.590874
## Length_Other_Activities 1  0.0005  0.00050    0.0114 0.914986
## Trait_anxiety    1  0.4461  0.44610   10.1200 0.001915 **
## Residuals      108  4.7608  0.04408
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

# Model3 with Normalized\_mean\_RW ~ Length\_Break + Length\_Reading\_Writing + Length\_Other\_Activities + Normalized\_mean\_Other

```
##
## Call:
## lm(formula = Normalized_PP_mean_RW ~ Length_Break + Length_Reading_Writing +
##     Length_Other_Activities + Normalized_PP_mean_Other, data = Merged_Data)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.36236 -0.05204  0.00772  0.04836  0.28407
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    1.059e-02  2.447e-02   0.433   0.6664
## Length_Break    4.364e-05  1.750e-05   2.494   0.0149 *
## Length_Reading_Writing  9.989e-07  3.861e-06   0.259   0.7966
## Length_Other_Activities -7.266e-06  1.061e-05  -0.685   0.4955
## Normalized_PP_mean_Other  7.884e-01  4.468e-02  17.644 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.1042 on 75 degrees of freedom
## (45 observations deleted due to missingness)
## Multiple R-squared:  0.8247, Adjusted R-squared:  0.8153
## F-statistic: 88.2 on 4 and 75 DF,  p-value: < 2.2e-16

## Analysis of Variance Table
##
## Response: Normalized_PP_mean_RW
##              Df Sum Sq Mean Sq F value    Pr(>F)
## Length_Break    1 0.4104  0.4104  37.7818 3.513e-08 ***
## Length_Reading_Writing  1 0.0049  0.0049   0.4521  0.5034
## Length_Other_Activities  1 0.0355  0.0355   3.2646  0.0748 .
## Normalized_PP_mean_Other  1 3.3816  3.3816 311.3205 < 2.2e-16 ***
## Residuals      75 0.8147  0.0109
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```