

1 Introduction

2 Data Selection

- Fig. 1 illustrate the selection criteria followed in this study, and the information about the removed fills is stored in an EXCEL file.

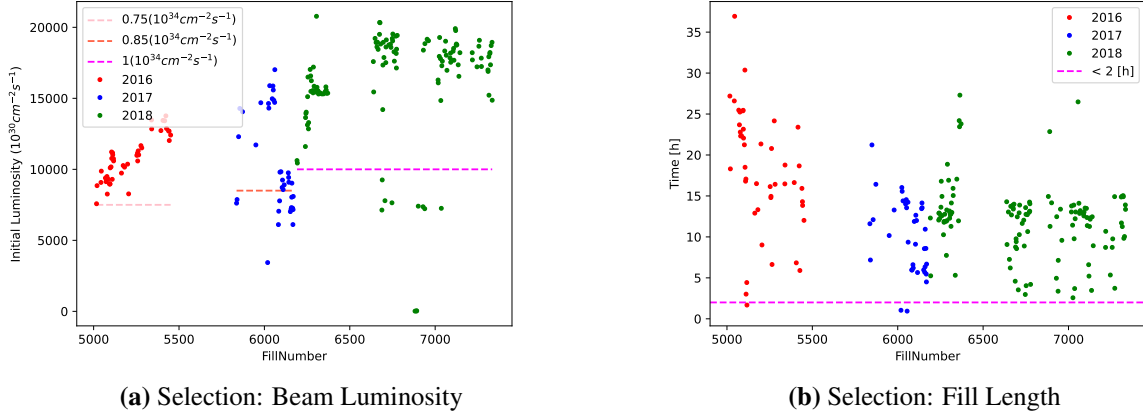


Figure 1: Data selection

3 DA Model-2 Parameter Evolution

- Time evolution of normalized luminosity L/L_i , R_{adj}^2 and normalized fit parameters κ , ρ , and $\epsilon * N_i$ for some specific fills are shown in Fig. 2

- For all fills in the same plot see Fig. 3

4 Double-Exponential Parameter Evolution

- Time evolution of normalized luminosity L/L_i , R_{adj}^2 and normalized fit parameters b and d for some specific fills are shown in Fig. 4

- For all fills in the same plot see Fig. 5

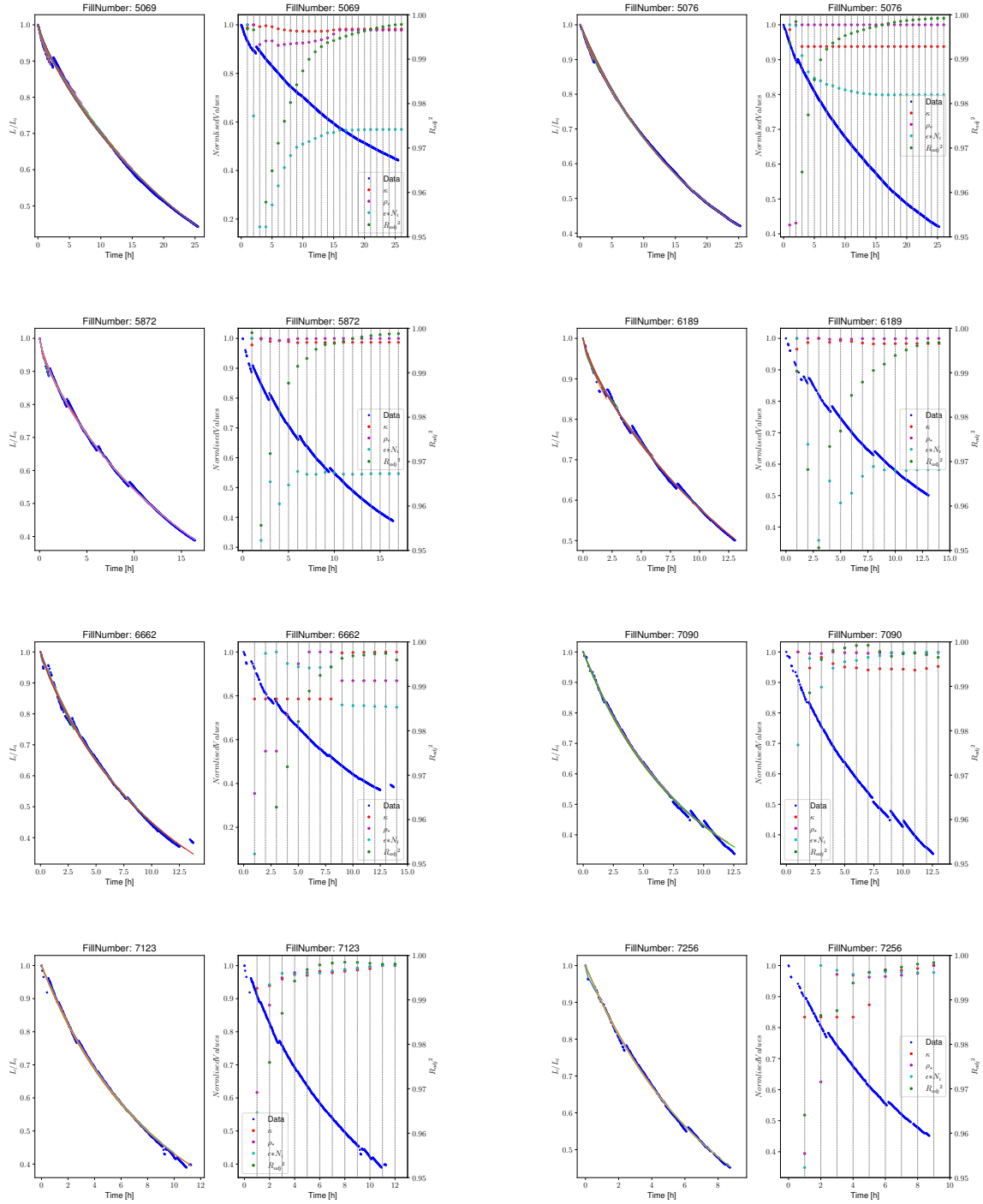


Figure 2: Some fills plots showing describing the time evolution of normalized luminosity L/L_i , R_{adj}^2 and normalized fit parameters κ , ρ , and $\epsilon \cdot N_i$ for *Model-2*

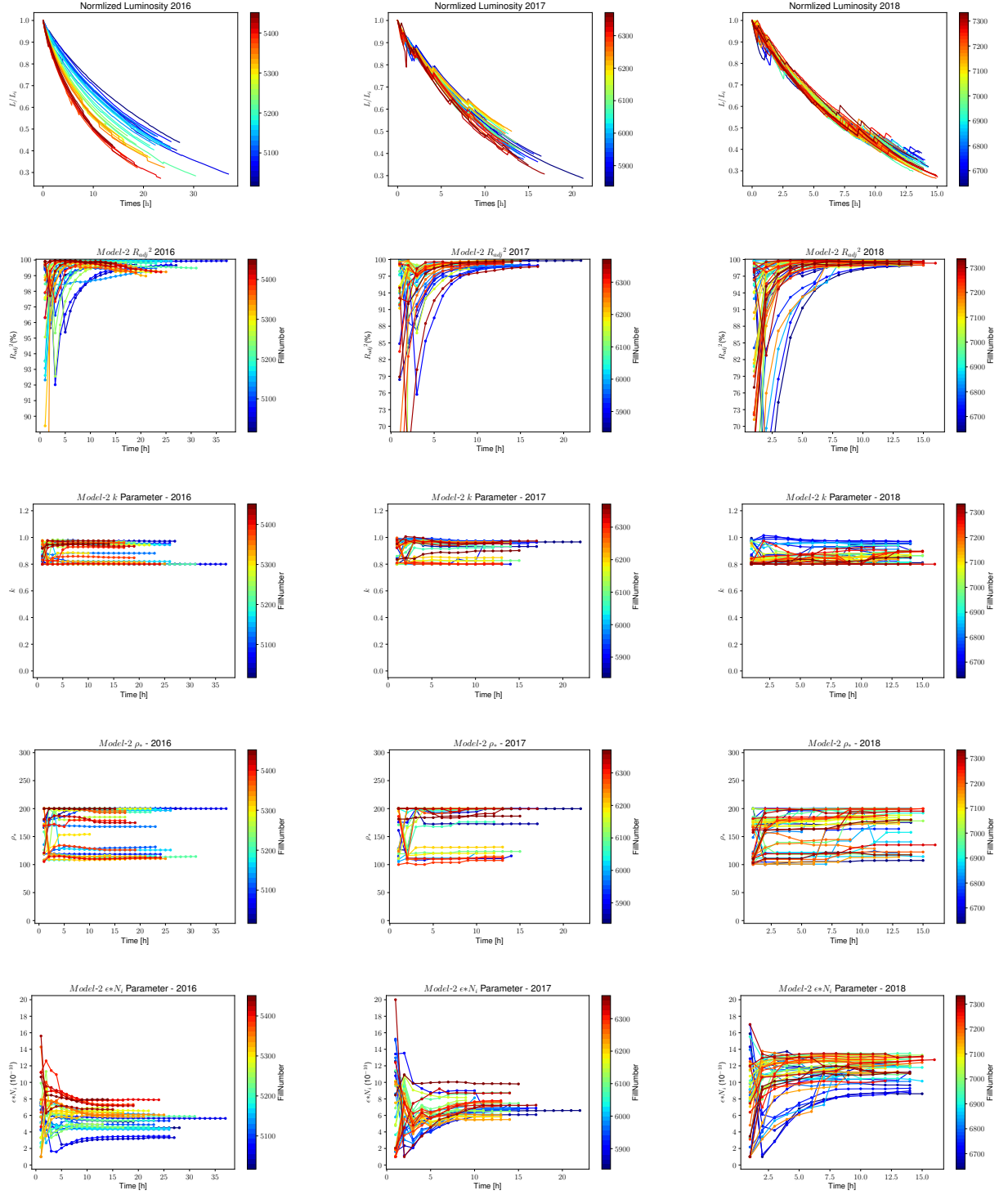


Figure 3: Time evolution of normalized luminosity L/L_i , R_{adj}^2 and fit parameters κ , ρ , and $\epsilon \cdot N_i$ for *Model-2*, for years 2016 in the left, 2017 in the middle, and 2018 in the right

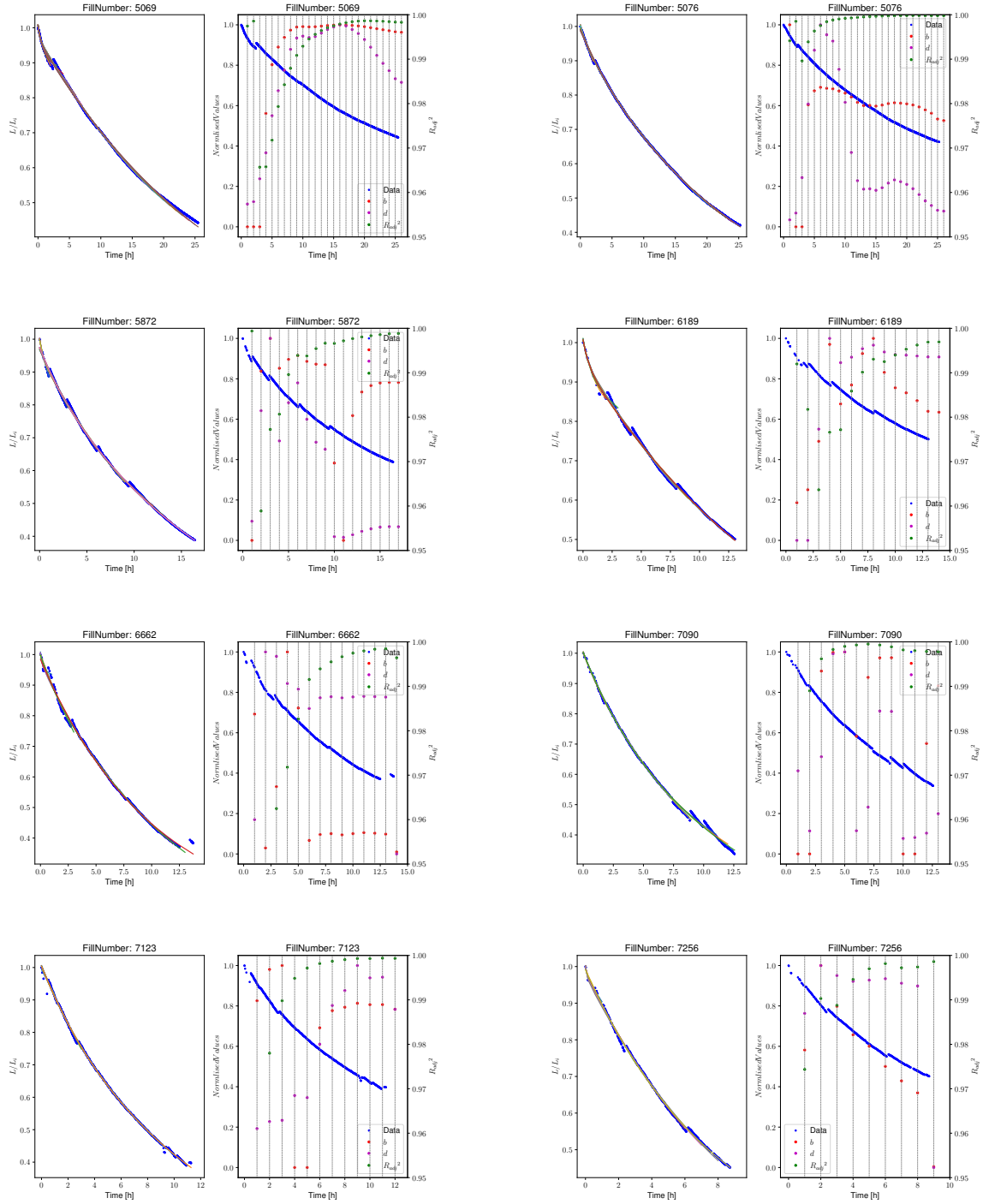


Figure 4: Some fills plots showing describing the time evolution of normalized luminosity L/L_i , R_{adj}^2 and normalized fit parameters b and d for *Double-Exponential Model*

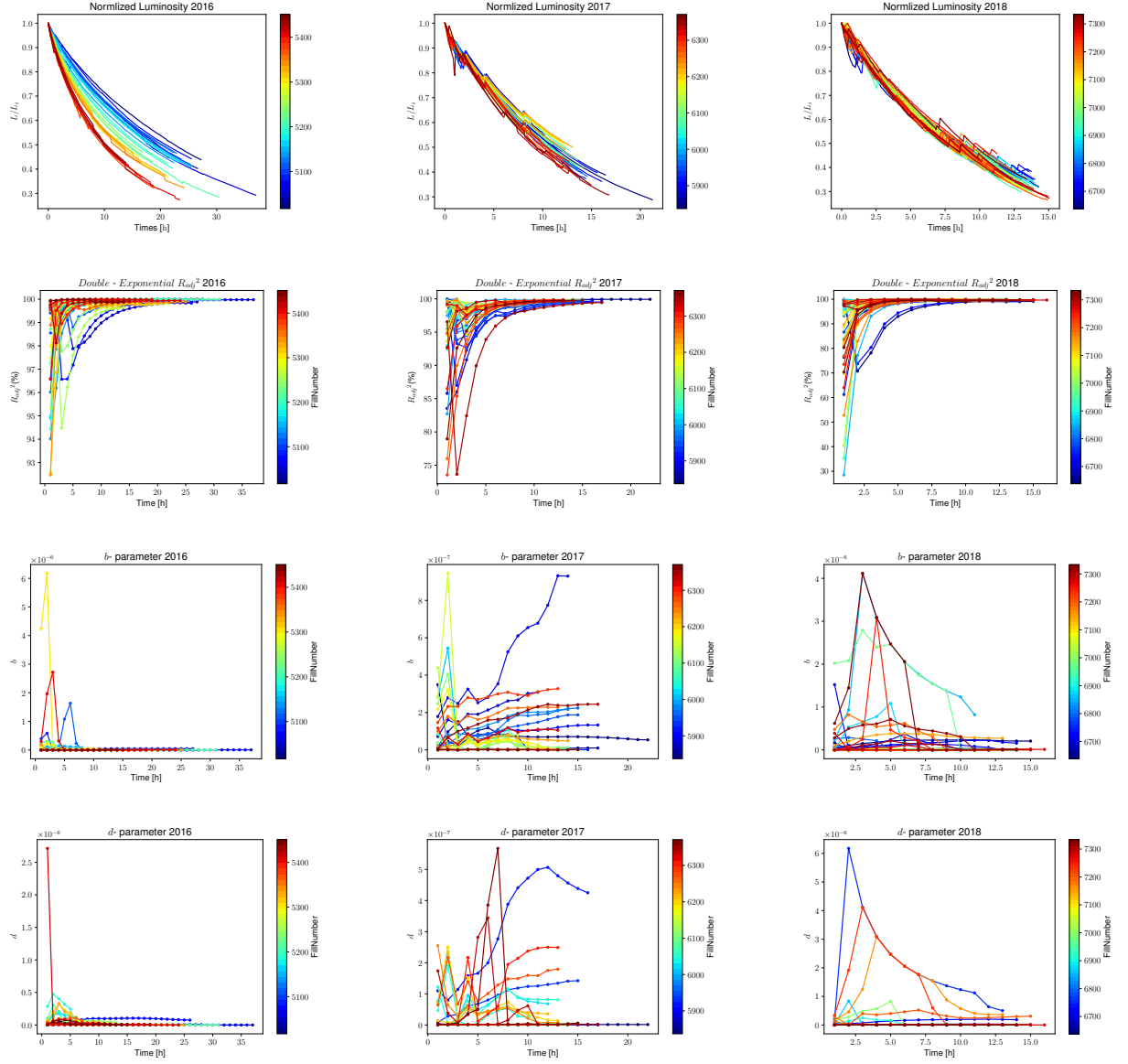


Figure 5: Time evolution of normalized luminosity L/L_i , R_{adj}^2 and fit parameters b and d for *Double-Exponential Model*, for years 2016 in the left, 2017 in the middle, and 2018 in the right