

Conditions	Time frames (UTC)		Specific remarks
Empirically pristine rain forest (PR) aerosol	All available PR periods	Defined in Sect. 2.7; filter time series available as separate data file	– For $N_{\text{CN}}(D)$, $N_{\text{CCN}}(S,D)$, $\kappa(S, D_a)$, CCN efficiency spectra (Fig. 6a and b): all available $\text{PR}_{\text{BC}} \cap \text{CO}$ episodes within CCN measurement period (Mar 2014–Feb 2015) were averaged.
	PR1	24 Apr 06:00–29 April 10:00 2014	– Episodes PR1, PR2, and PR3 highlighted in Fig. 3 and shown in detail in Fig. 5.
	PR2	4 May 23:00–8 May 10:00 2014	– For ACSM results (Table 3): all $\text{PR}_{\text{BC}} \cap \text{CO}$ episodes within time frame 1 Aug 2014 to 30 Sep 2016 were averaged.
	PR3	16 May 06:00–17 May 16:00 2014	
	LRT	9 Apr 12:00–13 Apr 12:00 2014	– LRT time frame averaged for $N_{\text{CN}}(D)$, $N_{\text{CCN}}(S,D)$, $\kappa(S, D_a)$, CCN efficiency spectra (Fig. 6c and d).
Long-range transport (LRT) aerosol (in wet season)	All available LRT episodes	See Moran-Zuloaga et al. (2017)	– LRT episode highlighted in Fig. 3 and shown in detail in Fig. 7. – For ACSM results (Table 3): all LRT episodes according to Moran-Zuloaga et al. (2017) within time frame 1 Aug 2014 to 30 Sep 2016 were averaged.
	BB	18 Aug 00:00–22 Aug 00:00 2014	– BB time frame averaged for $N_{\text{CN}}(D)$, $N_{\text{CCN}}(S,D)$, $\kappa(S, D_a)$, CCN efficiency spectrum (Fig. 6e and f), and ACSM results (Table 3). – BB episode highlighted in Fig. 4 and shown in detail in Fig. 8.
Mixed pollution (MPOL) aerosol (in dry season)	MPOL-BB MPOL-LRT	Entire period: 22 Sep 00:40– 1 Oct 03:30 2014 (for details refer to Fig. 9)	– Subcategories MPOL-BB and MPOL-LRT during MPOL episode averaged independently for $N_{\text{CN}}(D)$, $N_{\text{CCN}}(S,D)$, $\kappa(S, D_a)$, CCN efficiency spectra in Fig. 6g, h and i, and ACSM averages (Table 3). – MPOL highlighted in Fig. 4 and shown in detail in Fig. 9.