|  |  |  |
| --- | --- | --- |
| **Cause of log variability** | **Study on log distribution** | **Candidate year** |
| Seasonality of rainfall and sea currents | Seasonal variability (quarter) over a single year | 2000 |
| Dipole oscillations | Compare IOD+ and IOD- pairs of years (over the same quarter) | IOD+: SON 2006/IOD-:SON 2010  *////Or ///*  IOD+: SON 2019/IOD-: SON 2016 |
| Effect of extreme events (tsunami of Dec 2004) | Compare year before\* and after the tzunami | 2003 – 2005  Or  2004- 2006 (because it happened in December 2004, but 2006 is IOD+) |
| Overall effect of Global Change and extreme events (Deforestation, climate change, tzunamis) | Variability over full time series | 1990 - 2000 – 2010\*\* – 2020 |
| Sensibility analysis - effect of the forcing product | Compare one year, with the historical currents and with NEMO | 2000 |

NOTES/QUESTIONS:

\* If the average lifetime of logs is 1 year, should we consider a time lag of 2 years each time (some logs should be in the water from previous year)

\*\* Issue: some years like 2010 have IOD-