Table 1: Dataset of images and in situ data per each study area. In situ data available only for the Tapajós River.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study area** | **water level (season)** | **satellite/sensor** | **number of scenes** | **path/row** | **Date of acquisition** | **atm correction** | ***in situ* data (number of samples)** |
| A- Tapajós | High  | Landsat 5/ TM | 7 | 227-229/62-65 | Apr-11 | 6S | 23 |
| Low  | IRS/LISS3 | 8 | 310-314/66-69 | Sep-12 | Flaash | 16 |
| RapidEye | 5 | 2136413 2136514 2137119 2137924 2137925 | Jul-Ago-2012 | Flaash |
| B - Amanã | Low  | RapidEye | 5 | 2136612-2137012 | 06-Aug-12 | Flaash | - |
| C - Teles Pires | Low  | IRS/LISS3 | 1 | 320/84 | 06-Aug-12 | Flaash | - |
| D - Uraricoera | Low\* | IRS/LISS3 | 1 | 309/72 | 03-Nov-12 | Flaash | - |

\* Low water level season in the Uraricoera river (Northern Amazon) is from oct to jan, as opposed to jun-sep in the Amazonian southern rivers.