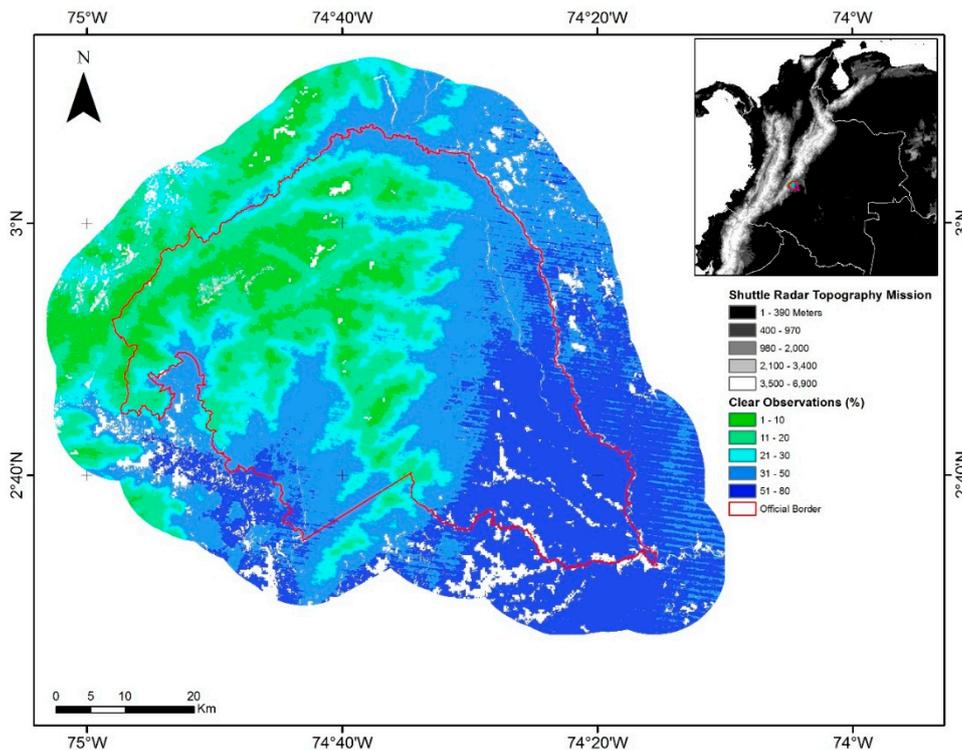


# Supplementary Materials: Leveraging Multi-Sensor Time Series Datasets to Map Short- and Long-Term Tropical Forest Disturbances in the Colombian Andes

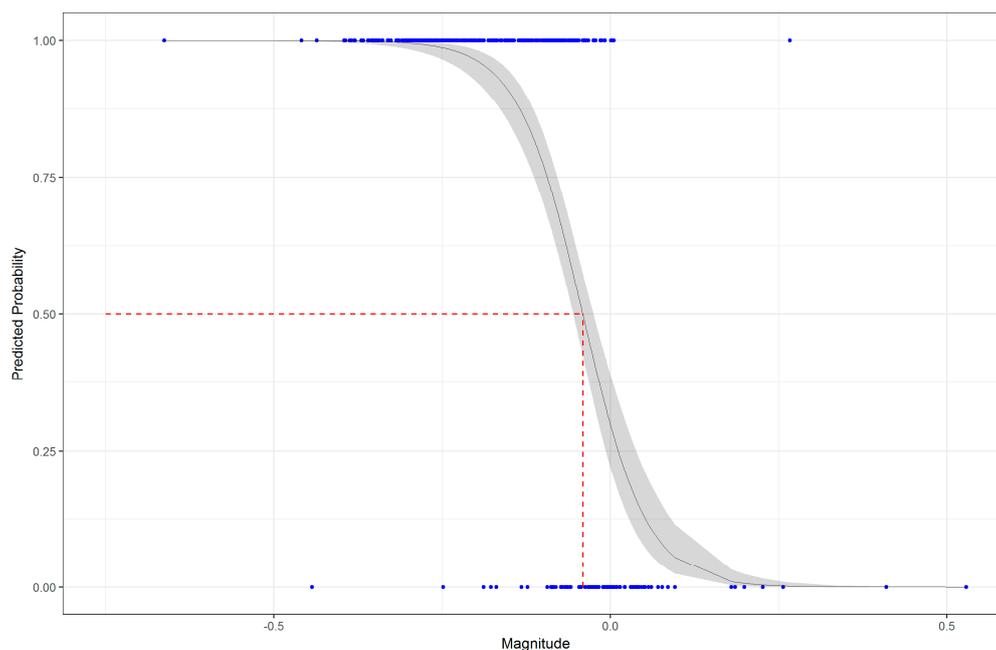
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**Table S1.** Total number of Landsat images used for disturbance detection.

Year	Landsat 5	Landsat 7	Landsat 8	Total
1996	2			2
1997	4			4
1998	8			8
1999	7	2		9
2000	2	7		9
2001		6		6
2002		6		6
2003		1		1
2004		8		8
2005		6		6
2006		5		5
2007	1	8		9
2008		7		7
2009		10		10
2010	1	9		10
2011	1	7		8
2012		10		10
2013		9	1	10
2014		4	9	13
2015			8	8
Total	26	105	18	149



**Figure S1.** Percentage of cloud-free Landsat observation in the period 1996–2015.



**Figure S2.** Selection of magnitude threshold ( $P(\text{disturbances}) = 0.5$ ) using Binomial Logistic Regression. The grey area is 95% confident interval. Training sites (blue points) were selected based on visual interpretation where 0 = non-disturbed and 1 = disturbed.



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