

PROBA-V geometric Calibration/Validation Status

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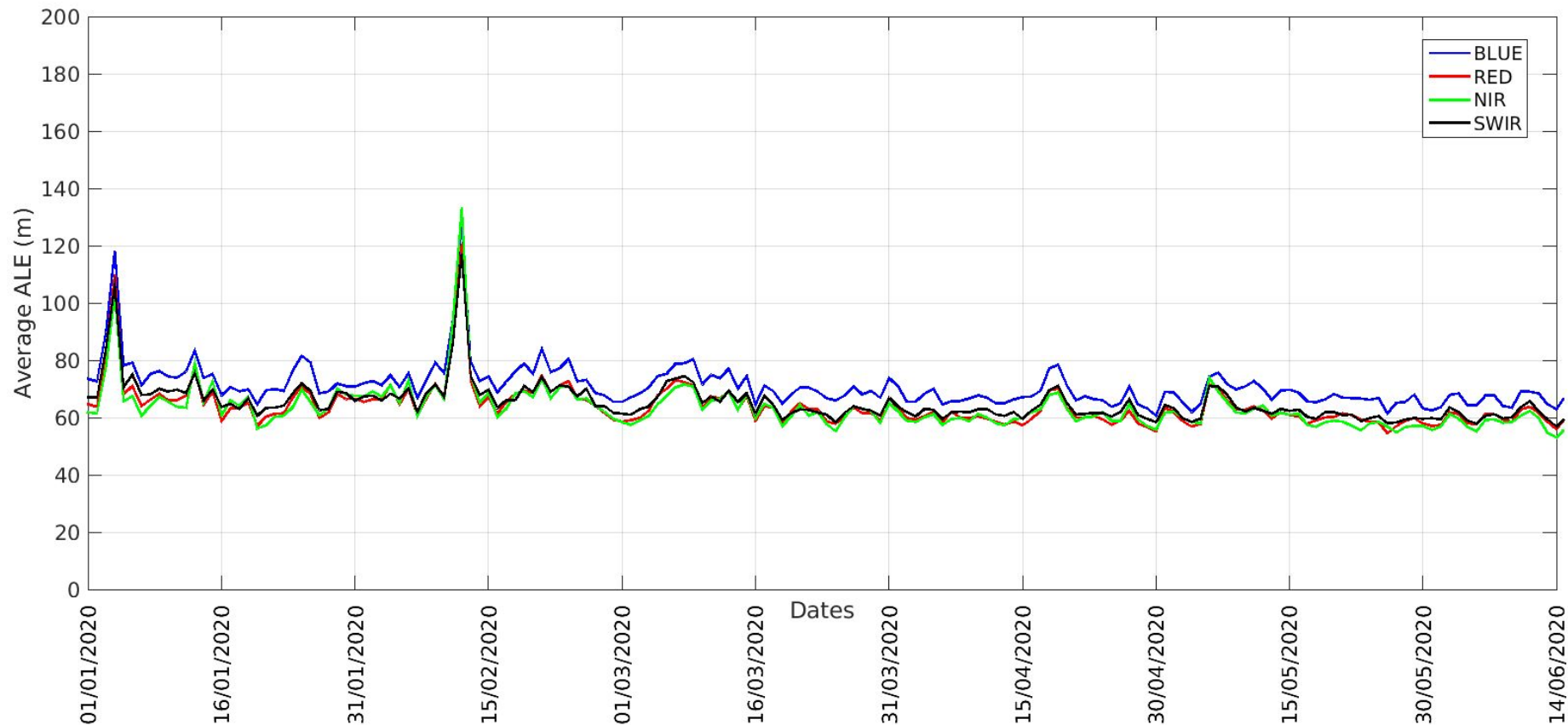


Outline

- ☐ Absolute accuracy
- ☐ Interband accuracy
- ☐ Multitemporal



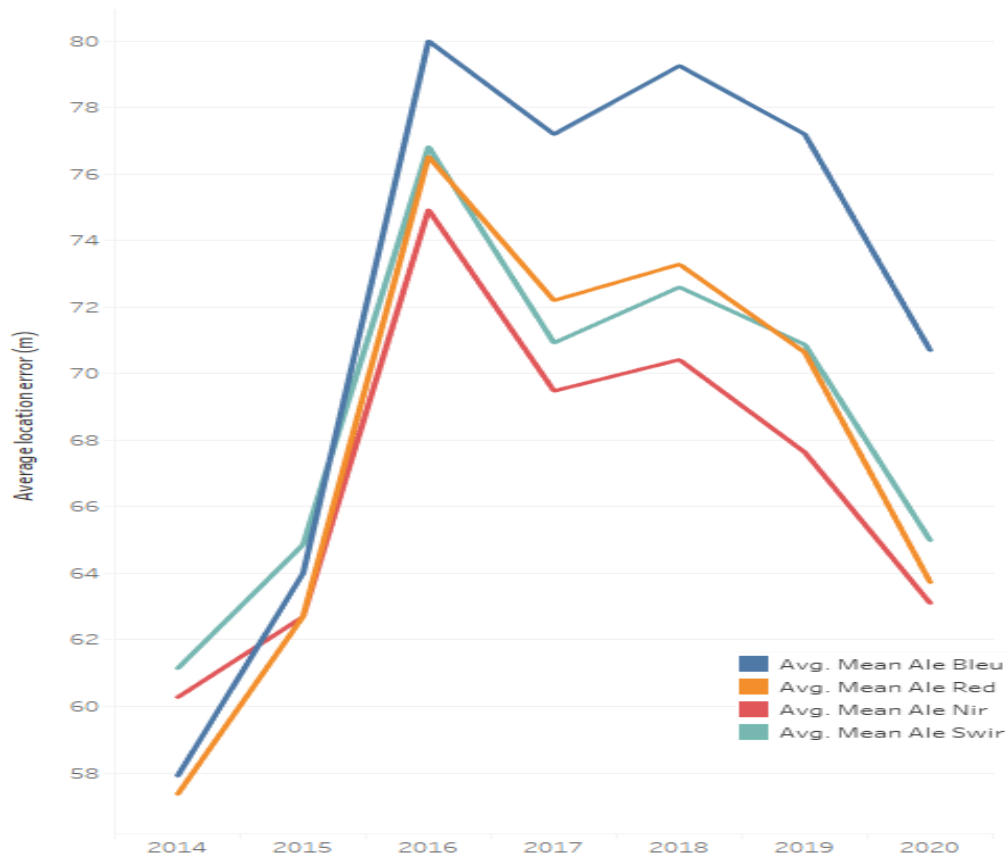
Absolute location (2020)





Statistics

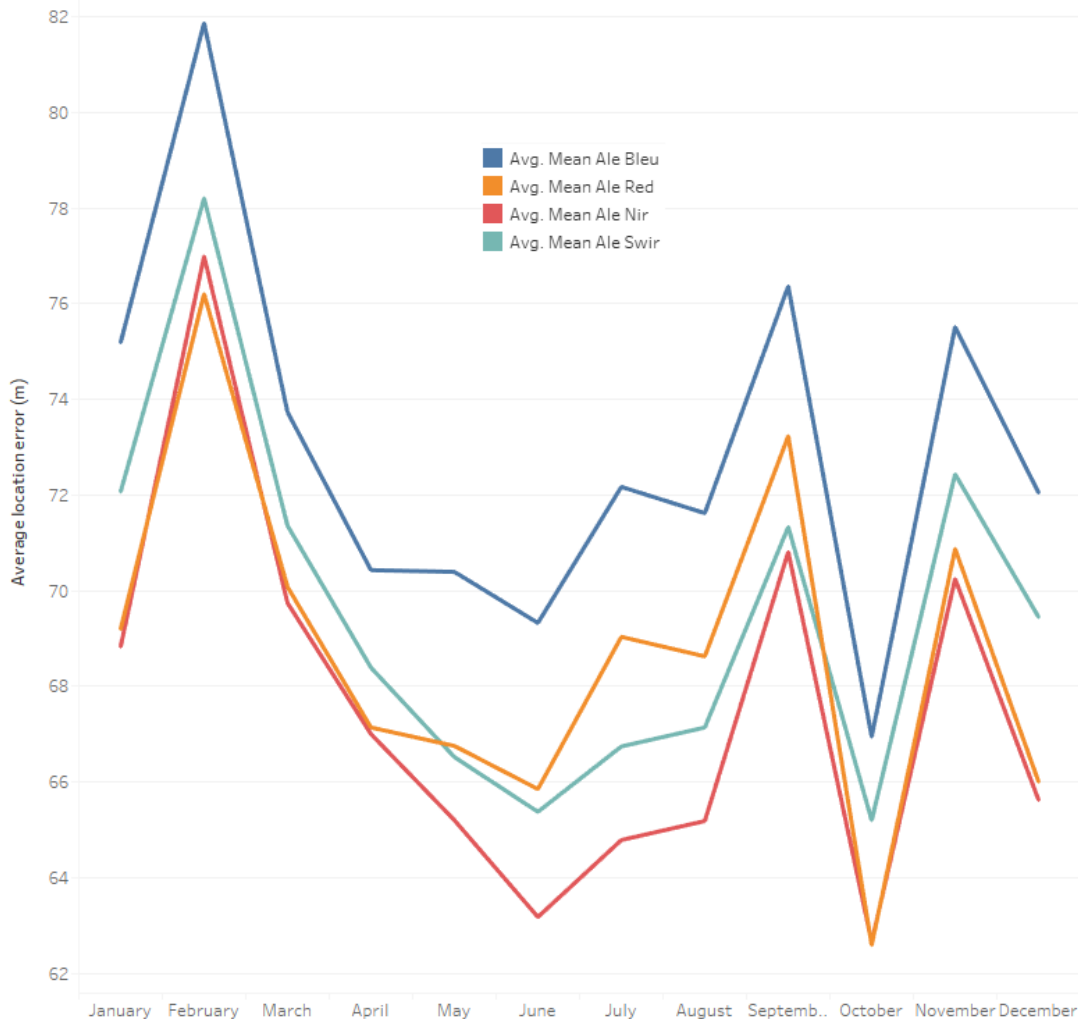
How the absolute location error varies in function of years for spectral bands





Statistics

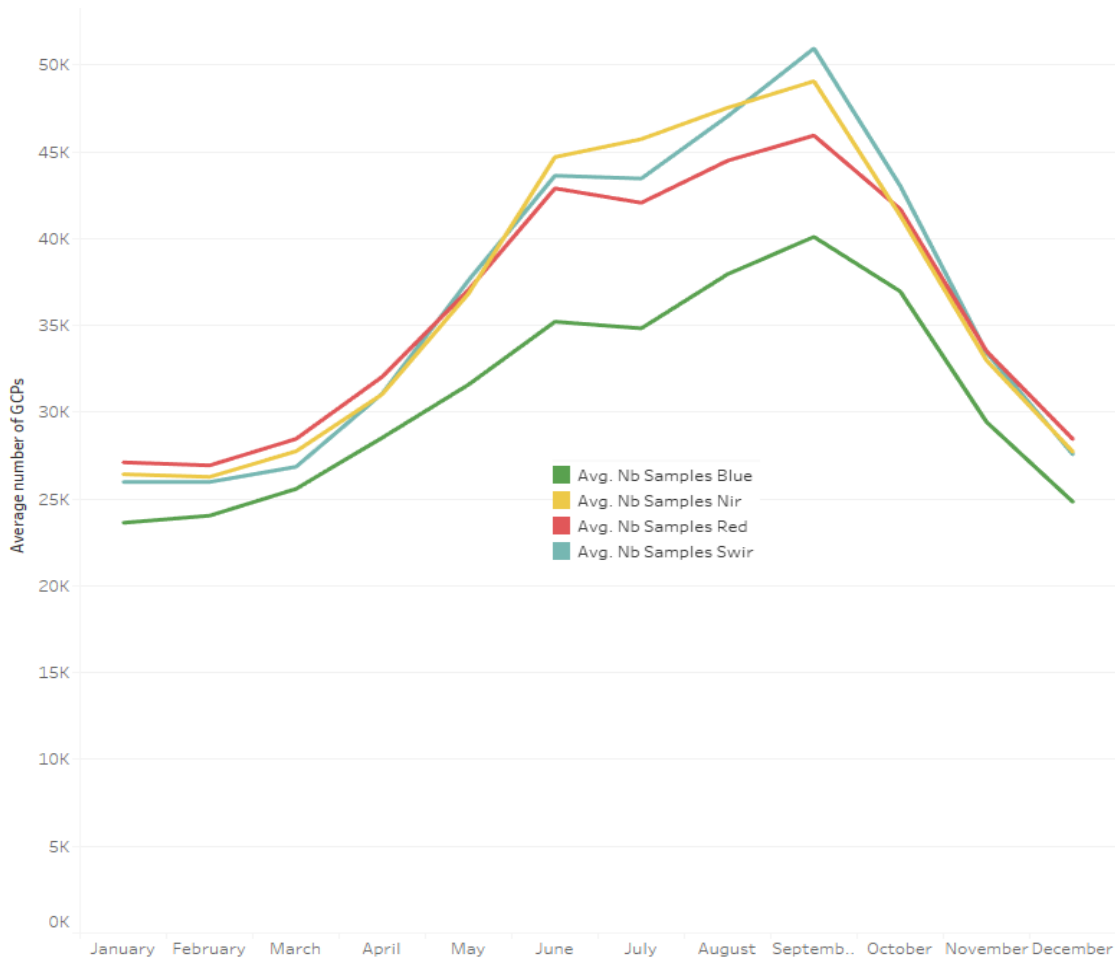
How the absolute location error varies in function of months for spectral bands





Statistics

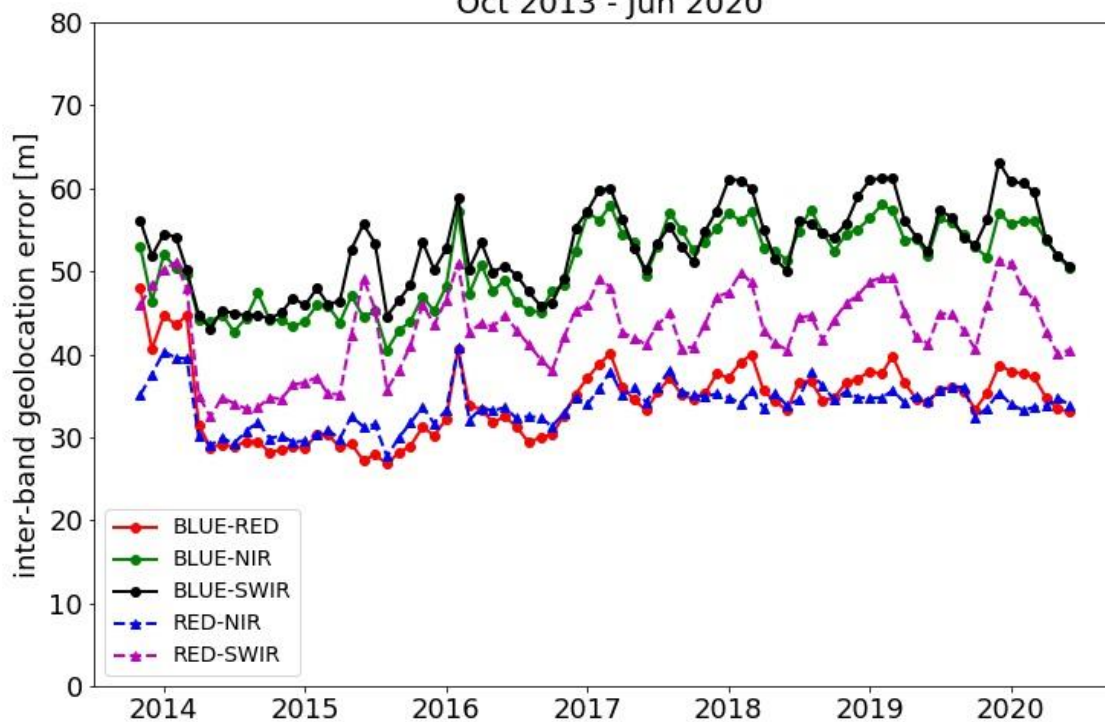
How the number of GCPs varies in function of months for all spectral bands





Inter-band

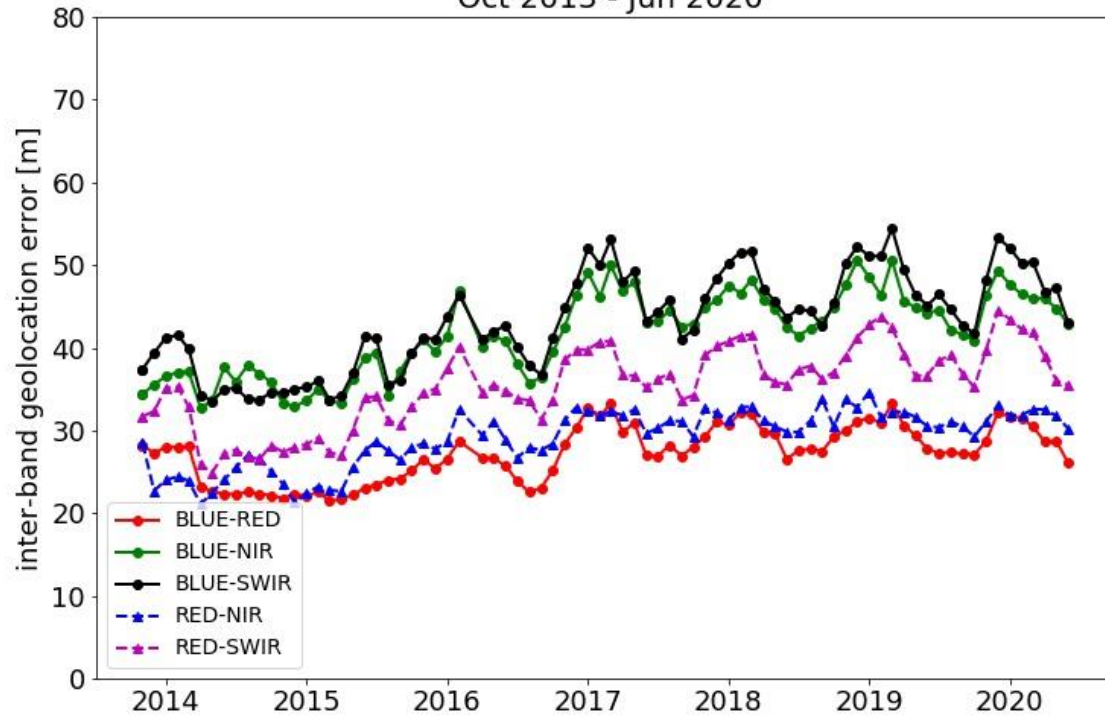
PROBA-V Inter-band geolocation accuracy CAM1
Oct 2013 - Jun 2020





Multi-temporal

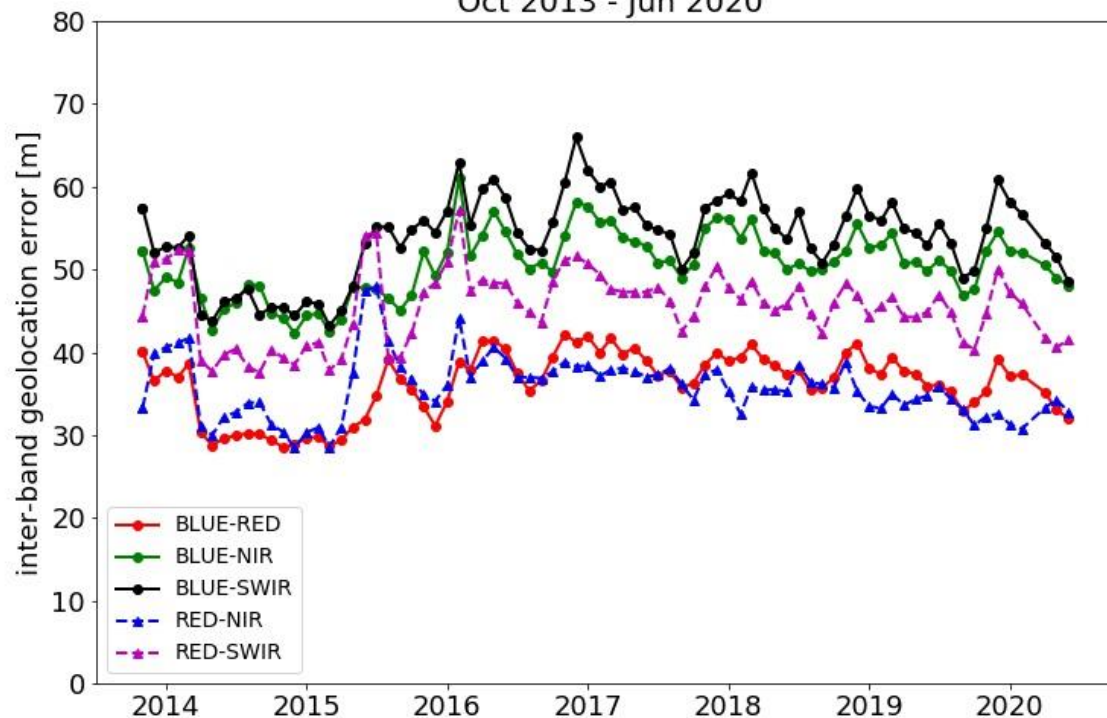
PROBA-V Inter-band geolocation accuracy CAM2
Oct 2013 - Jun 2020





Multi-temporal

PROBA-V Inter-band geolocation accuracy CAM3
Oct 2013 - Jun 2020





Multi temporal

Mutlitemporal (VNIR)

Total GCP :179199

Total GCPs not compliant with the VNIR Mutlitemp : 20048

Total GCPs compliant with the VNIR Mutlitemp : 159151

Mutlitemp compliancy (good/total*100) : **88.81%**

Mutlitemporal (VNIR/SWIR)

Total GCP :202661

Total GCPs not compliant with the VNIR/SWIR Mutlitemp : 8231

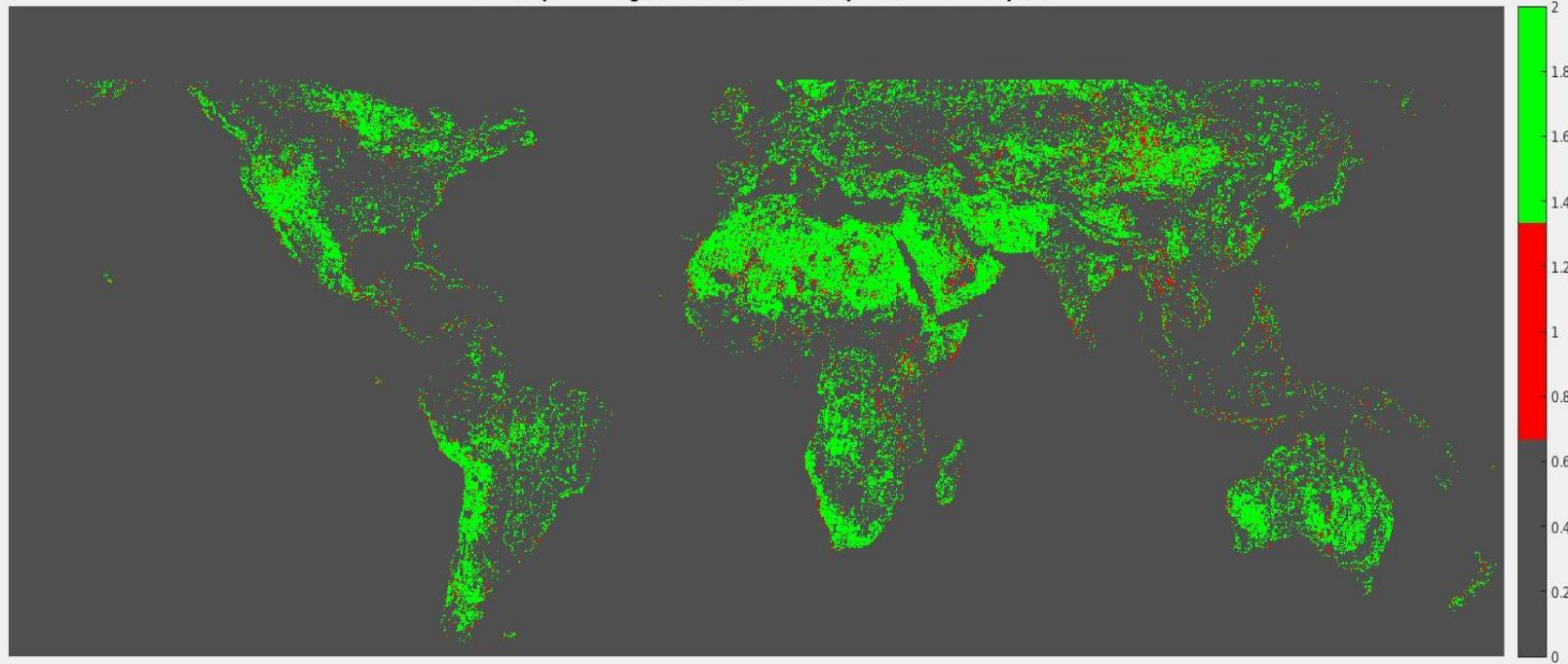
Total GCPs compliant with the VNIR/SWIR Mutlitemp : 194430

Mutlitemp compliancy (good/total*100) : **95.93%**



Multi temporal

Multitemp VNIR flag (0:novalue, 1:MutiTempNOK, 2:MultiTempOK)





ICP files

<http://proba-v.vgt.vito.be/en/quality/platform-status-information/geolocation-accuracy>

<http://proba-v.vgt.vito.be/en/quality/platform-status-information/inter-band-geolocation-accuracy>

Year	ICP filename	Start validity	End validity	Creation date
2016	PROBAV_G_000_20160901_01	20160901	Today	08-Sep-2016 10:47:25
	PROBAV_G_000_20160208_01	20160208	20160901	16-Feb-2016 12:25:10
	PROBAV_G_000_20160119_01	20160119	20160208	25-Jan-2016 22:04:51
2015	PROBAV_G_000_20151027_01	20151027	20160119	02-Nov-2015 13:48:05
	PROBAV_G_000_20151003_01	20151003	20151027	06-Oct-2015 17:17:11
	PROBAV_G_000_20150704_01	20150704	20151003	09-Jul-2015 10:47:10
	PROBAV_G_000_20150420_01	20150420	20150704	06-May-2015 13:17:15
2014	PROBAV_G_000_20140312_01	20140312	20150420	24-Mar-2014 11:16:46
	PROBAV_G_000_20140101_02	20140101	20140312	07-Jan-2014 17:22:21
2013	PROBAV_G_000_20131101_01	20131101	20140101	09-Nov-2013 11:57:18
	PROBAV_G_000_20131016_01	20131016	20131101	28-Nov-2013 11:58:50
	PROBAV_G_000_20131001_02	20131001	20131016	30-Oct-2013 11:51:55
	PROBAV_G_000_20131001_01	20131001	20131001	30-Sep-2013 18:27:19
	PROBAV_G_000_20130718_01	20130718	20131001	18-Jul-2013 16:11:14