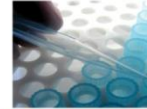
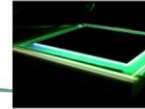




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PROBA-V geometric Calibration/Validation Status

iskander.benhadj@vito.be

QWG 27/10/2020



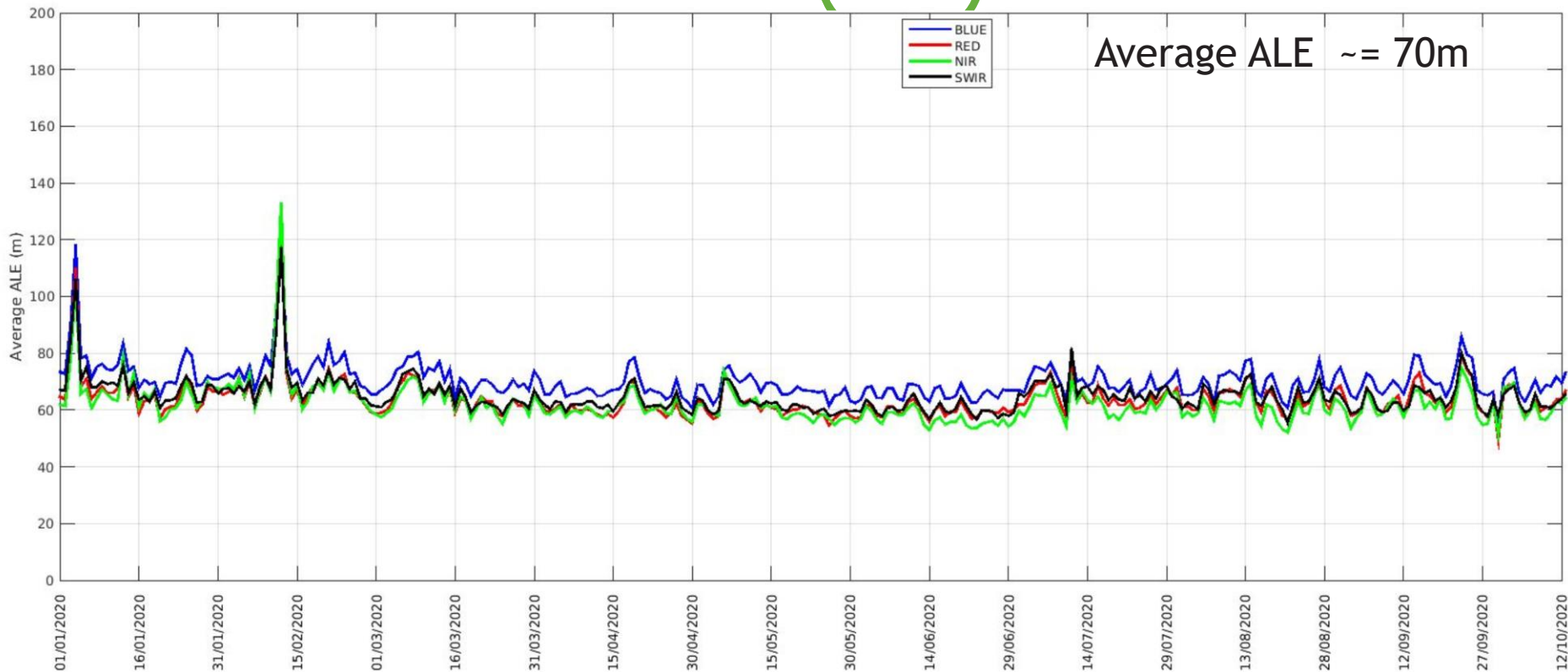


Outline

- Absolute accuracy
- Interband accuracy
- Multitemporal



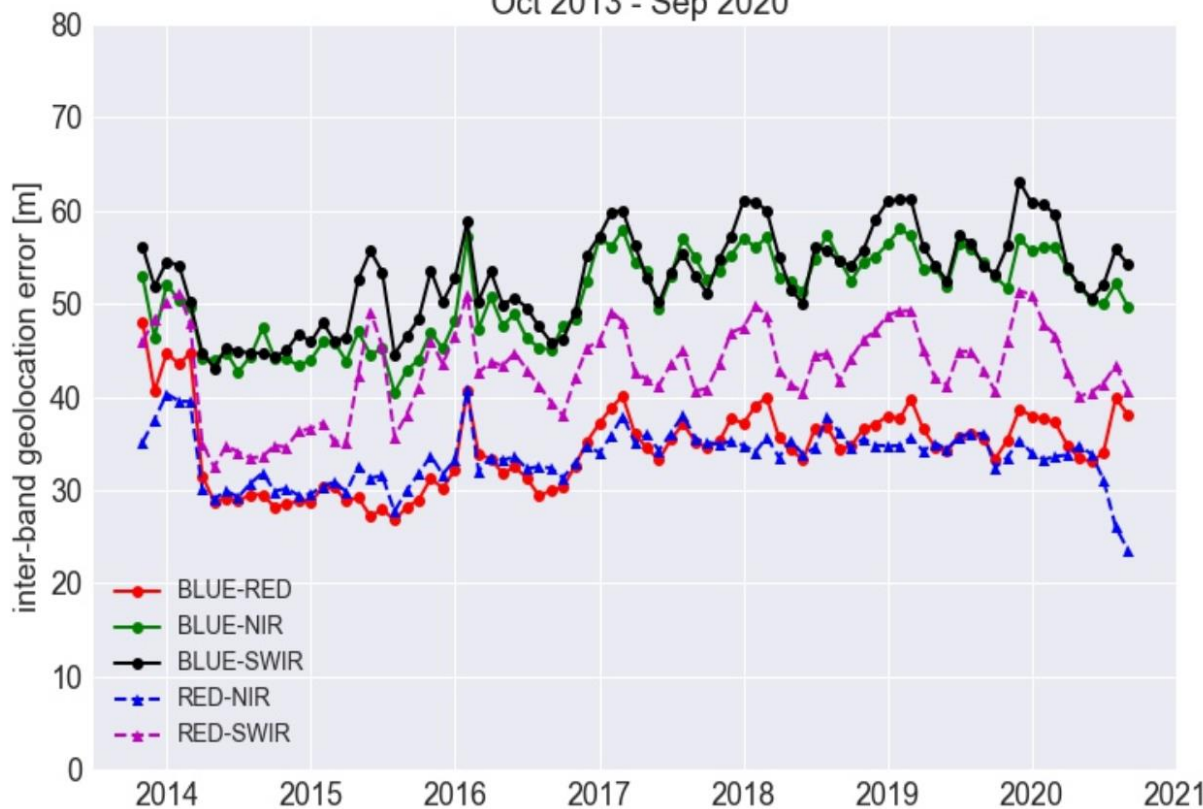
Absolute location error (2020)





Inter-band

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

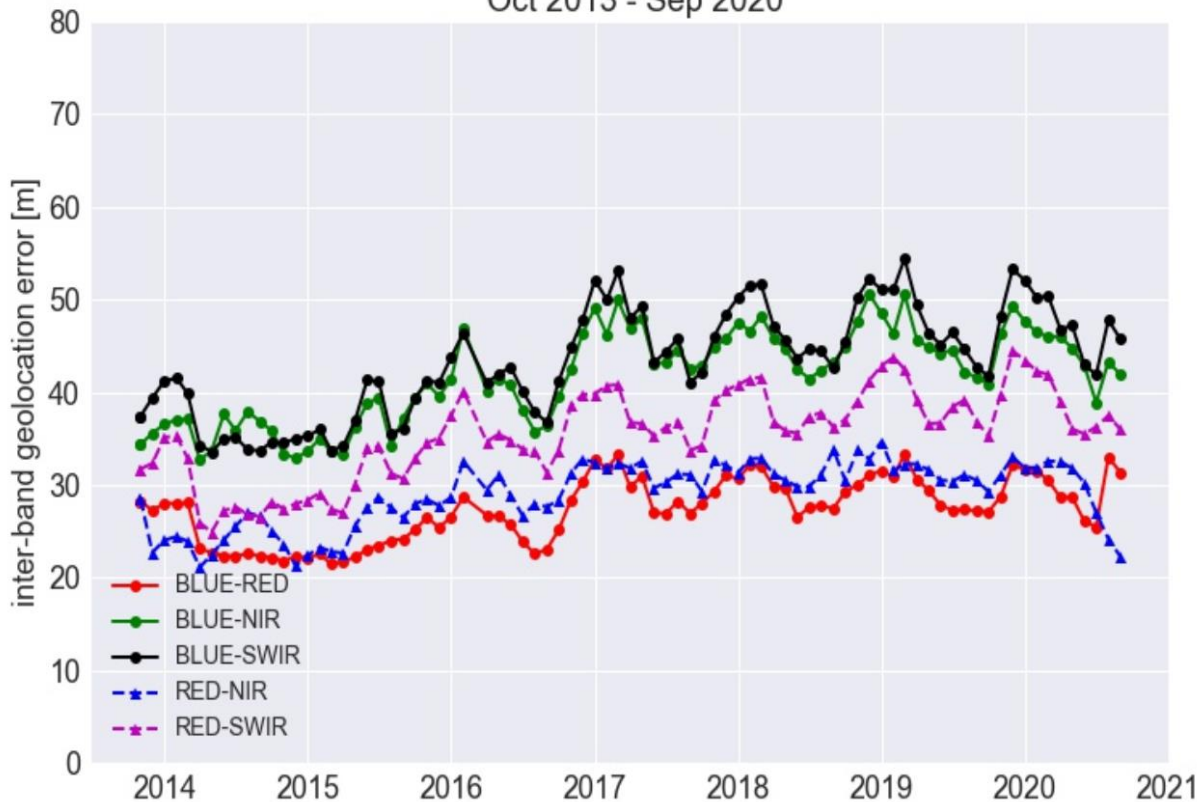


<https://proba-v.vgt.vito.be/en/quality/platform-status-information/inter-band-geolocation-accuracy>



Inter-band

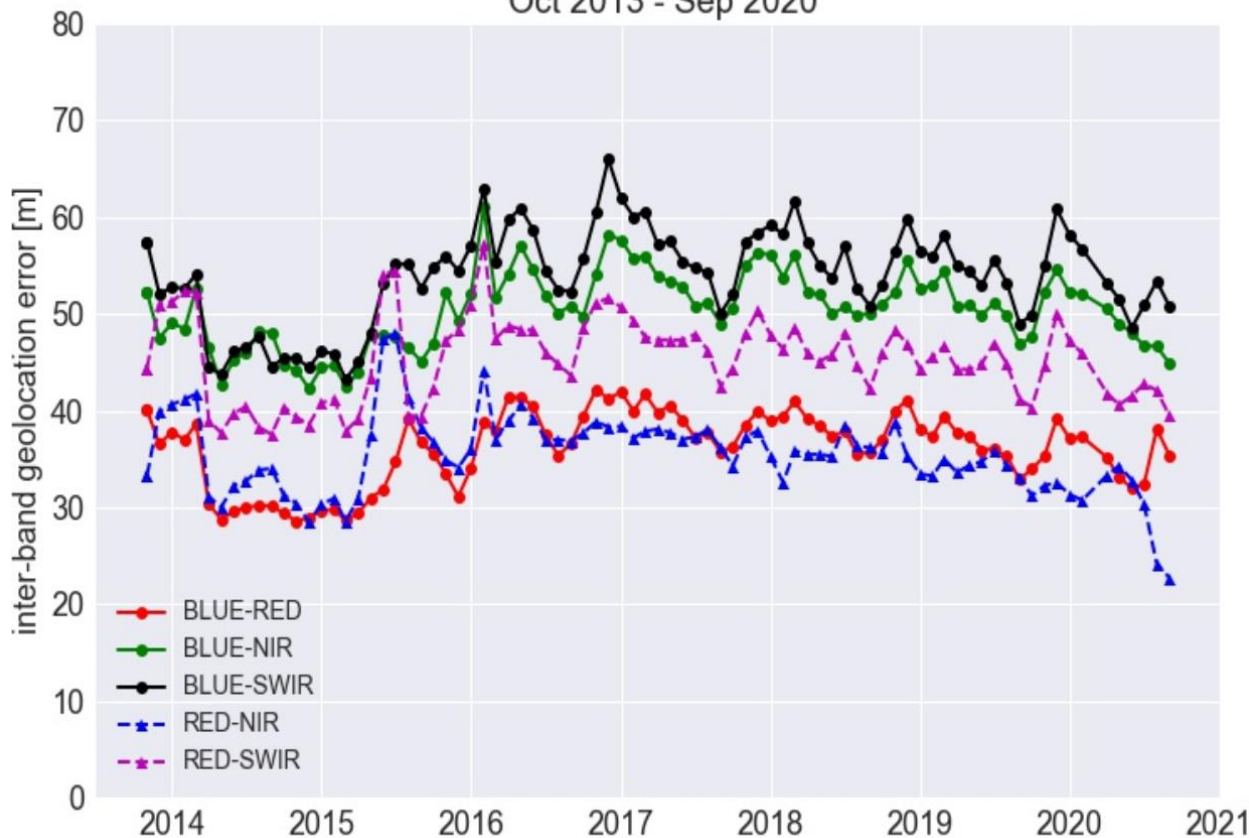
PROBA-V Inter-band geolocation accuracy CAM2
Oct 2013 - Sep 2020





Inter-band

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





Multi temporal

Period 01/07/2020 till present

Mutlitemporal (VNIR)

Total GCP VNIR :79489

Total GCPs not compliant with the VNIR Mutlitemp : 11825

Total GCPs compliant with the VNIR Mutlitemp : 67664

Mutlitemp compliancy (good/total*100) : **85.1%**

Mutlitemporal (VNIR/SWIR)

Total GCP VNIR :85928

Total GCPs not compliant with the VNIR/SWIR Mutlitemp : 5153

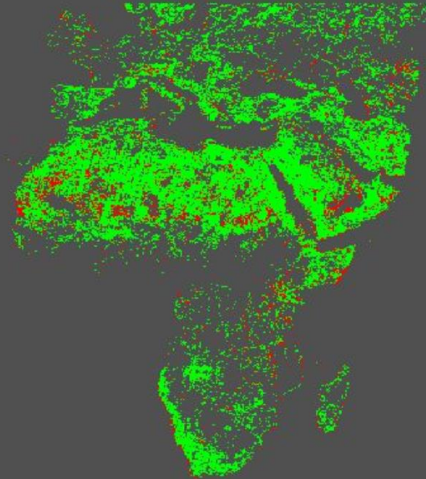
Total GCPs compliant with the VNIR/SWIR Mutlitemp : 80775

Mutlitemp compliancy (good/total*100) : **94.0%**



Multi temporal

Multitemp VNIR flag (0:novalue, 1:MutTempNOK, 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>

Calibration quarterly report

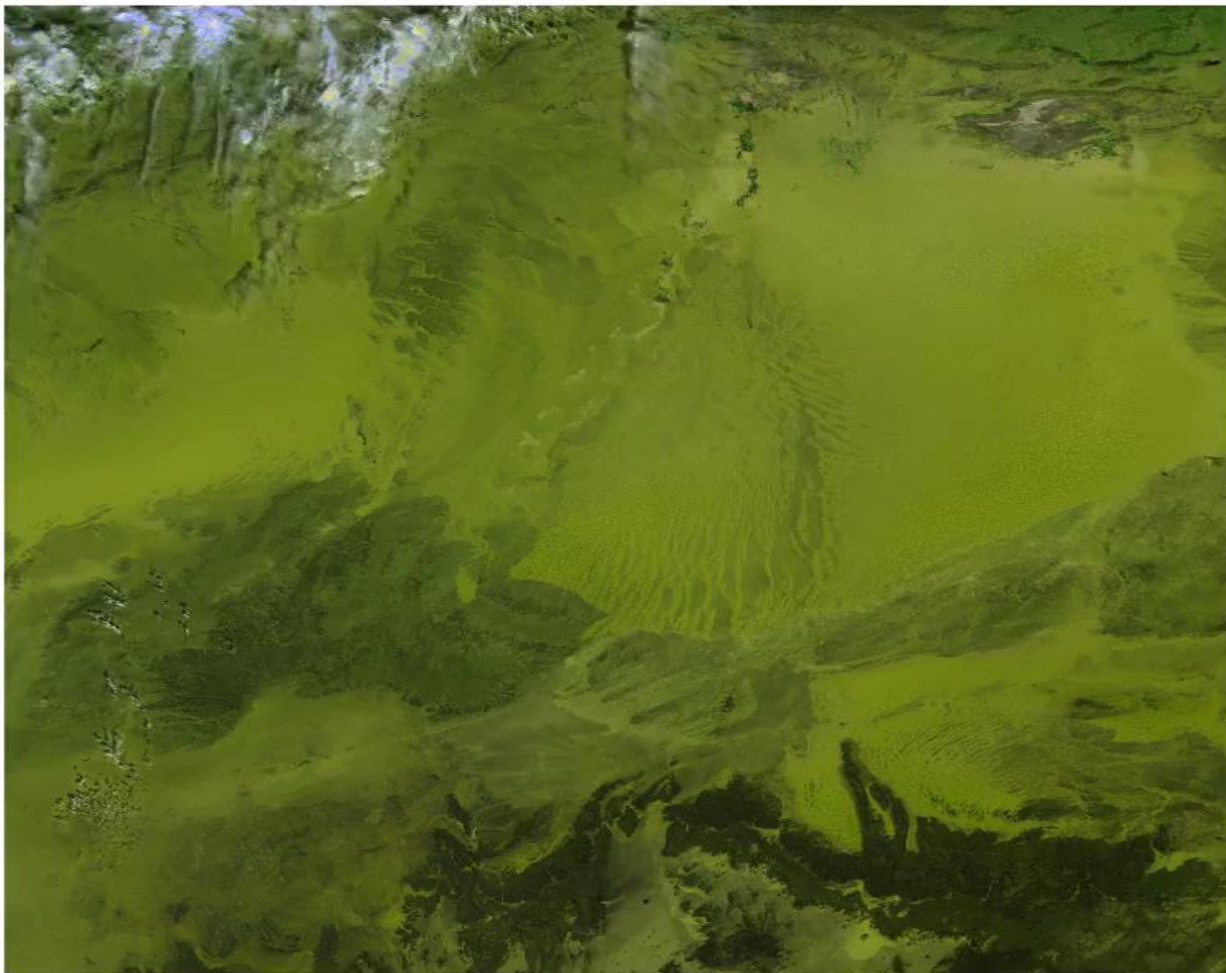
<https://proba-v.vgt.vito.be/en/quality/platform-status-information/quarterly-image-quality-reports>

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

Date: 20131023



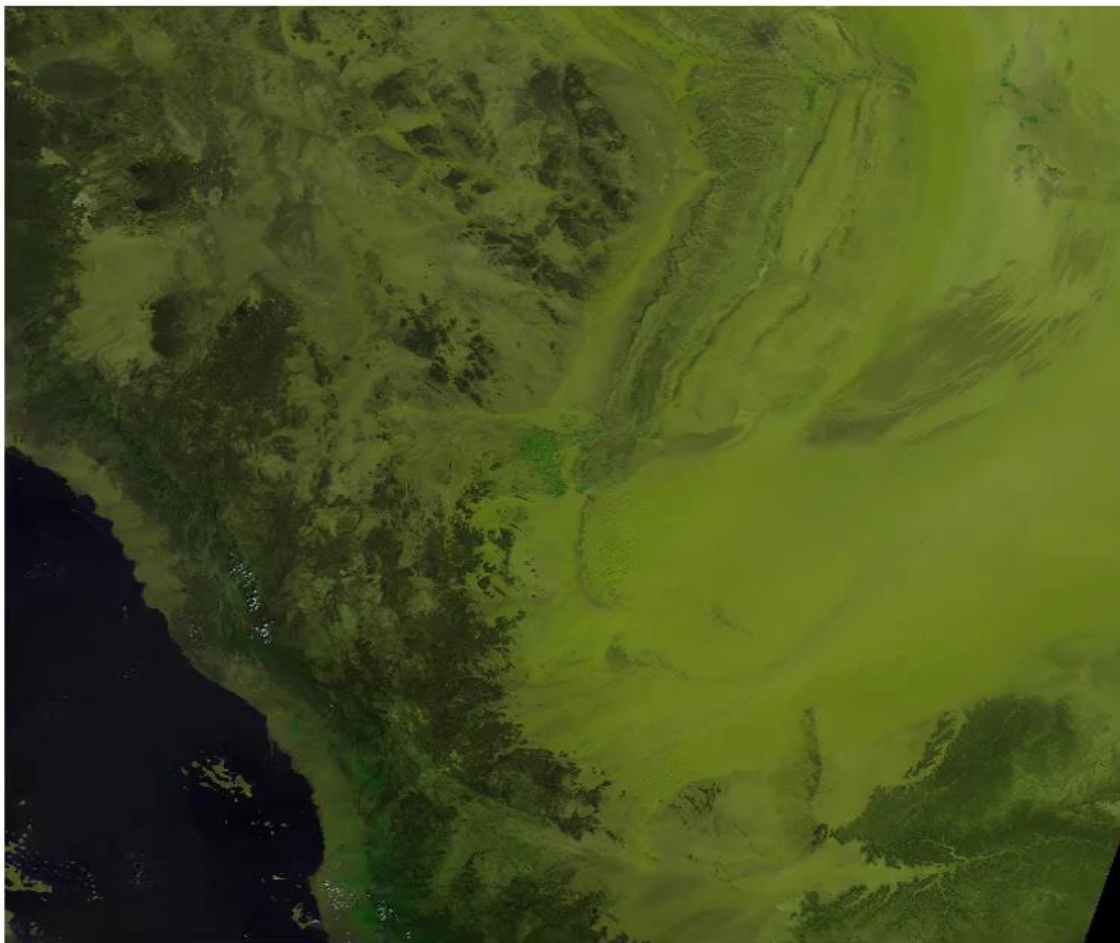
Tile X18Y04





Date: 20131017

Tile X22Y05



Issue on 20160219

Platform switch to the TLE

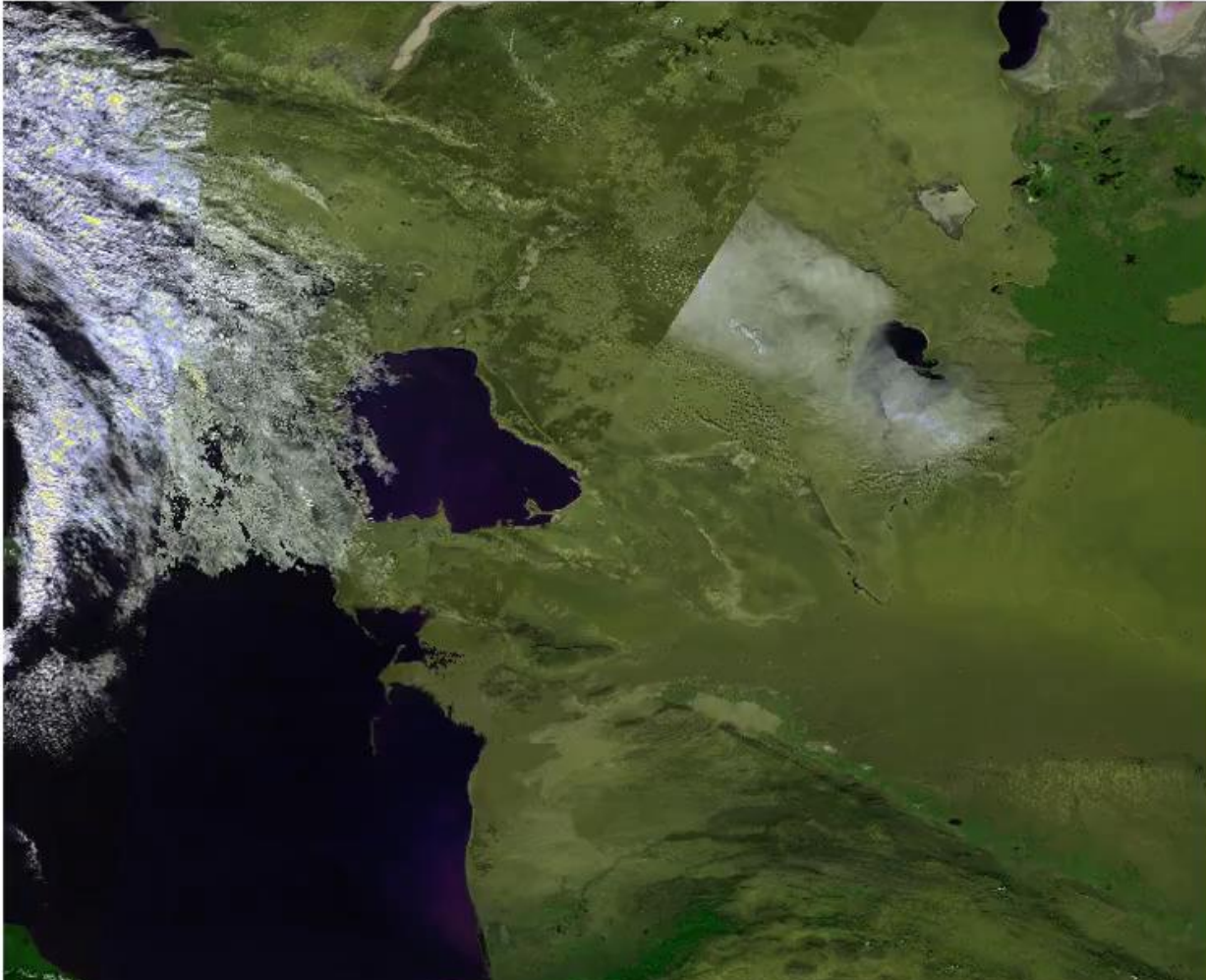
<https://proba-v.vgt.vito.be/en/quality/kn-own-issues>

Start date/time (UTC)	Stop date/time (UTC)
2015-01-17T23:06:17.988000	2015-01-17T23:14:17.986000
2015-03-18T03:18:09.686000	2015-03-18T03:50:09.675000
2015-04-20T02:10:10.038000	2015-04-20T02:18:10.037000
2015-05-06T01:13:36.709000	2015-05-06T01:15:36.709000
2016-02-18T10:06:17.287000	2016-02-19T11:23:09.442000
2016-04-12T13:48:25.073000	2016-04-12T13:54:25.074000
2016-04-13T01:38:24.832000	2016-04-13T01:40:24.832000
2016-06-11T14:50:04.956000	2016-06-11T14:58:04.951000
2016-06-11T15:10:04.949000	2016-06-11T15:16:04.946000
2016-09-12T23:38:41.699000	2016-09-13T00:04:41.687000
2016-11-14T10:08:33.747000	2016-11-14T10:12:33.745000
2016-11-15T19:51:53.728000	2016-11-15T20:25:53.712000
2016-11-24T04:16:17.023000	2016-11-24T04:34:17.018000
2017-02-05T03:50:00.180000	2017-02-05T04:12:00.176000
2017-06-07T11:12:18.457000	2017-06-07T11:14:18.457000
2017-09-23T04:11:35.959000	2017-09-23T09:37:43.894000
2017-12-12T10:06:28.690000	2017-12-12T10:10:28.685000



Date: 20131016

Tile X23Y05





Date: 20131016

Tile X23Y10

