

**PALSAR-2 processing and data provision for KC
and
25m Global mosaic status**

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- ✓ **Description of Products for KC**
- ✓ **ScanSAR mosaic Products Status**
- ✓ **25m Global mosaic Status**

Description of Products for KC

	Satellite /sensor	Mode	Area	Pixel Spacing
Mosaic Products	ALOS-2 /PALSAR-2	ScanSAR	SE-Asia Africa Amazon	50m
	ALOS /PALSAR	ScanSAR	SE-Asia Africa Amazon	100m

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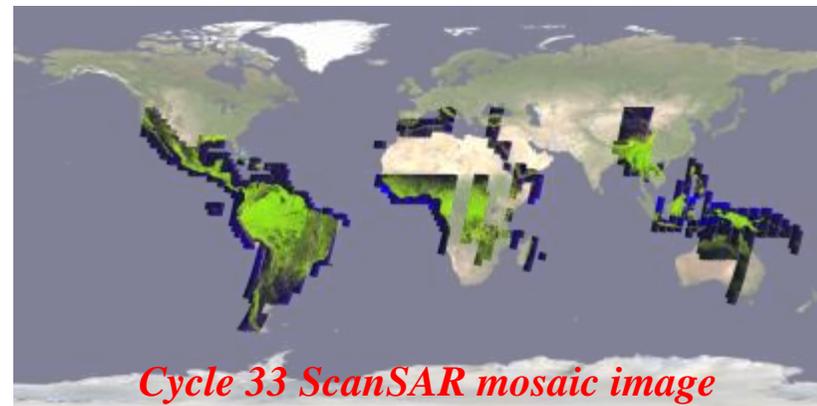
- ✓ Description of Products for KC
- ✓ ScanSAR mosaic Products Status
- ✓ 25m Global mosaic Status

ScanSAR Mosaic

- **Oct-Nov..... 2018 ScanSAR mosaic (C096-103) 57,778 Tiles**
- **Nov-Dec.... ALOS ScanSAR mosaic (C040-042) 48,921 Tiles**
- **Jan-Feb..... 2018 ScanSAR mosaic (C104-111) 30,479 Tiles**
- **Apr- 2018 ScanSAR mosaic (C113-120)**

Status:

- ◆ JAXA/EORC provided the 2018 ScanSAR mosaic data and ALOS ScanSAR mosaic data.
- ◆ The latest ScanSAR mosaic (C113-120) is under processing now.



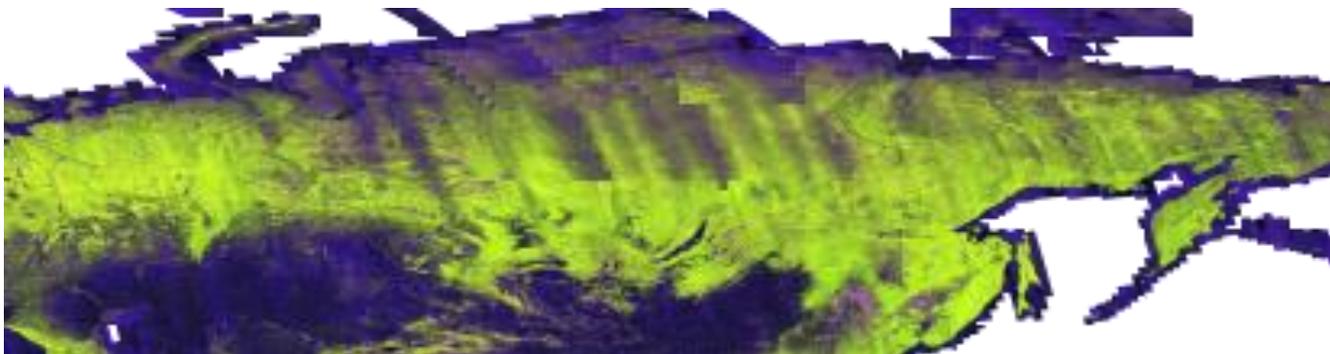
- Please send the requests for mosaic or path products to
Z-ALOS-KC@ml.jaxa.jp
(please check your agreement with JAXA if you can request mosaic or path products)
- For questions regarding standard product data (AUIG-2), please contact the EORC Order Desk
Z-orderdesk@ml.jaxa.jp

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- ✓ Description of Products for KC
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Global Mosaic status

- **Issue.**
 - **Discontinuity of mosaic image.**



2017 mosaic

- **Solution**
 1. To use only summer season data from 2014 to 2018.
 2. To widen the width of Path Ortho data.

Global Mosaic status

Solution.1 To generate MASTER mosaic from only summer season data

For making Master mosaic, JAXA/EORC set the rule.

- ◆ In the “2017 mosaic”, the rule of path selection was as following.
 - 2017 Summer (from May to Aug)
 - 2017-Winter (the other month)
 - 2016 Summer → 2016 Winter → 2015 Summer → 2015 Winter

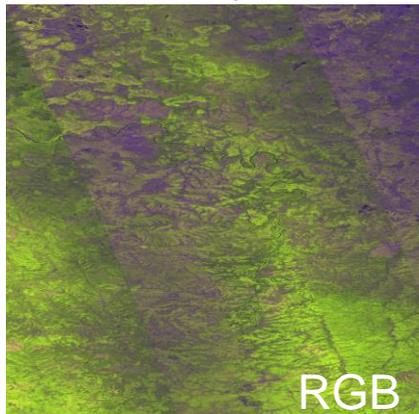
- ◆ The rule of “Master mosaic” is as following.
 - Monthly priority; Jul → Aug → Sep → Jun → May → Oct
 - Yearly priority ; 2018 → 2017 → 2016 → 2015 → 2014

Global Mosaic status

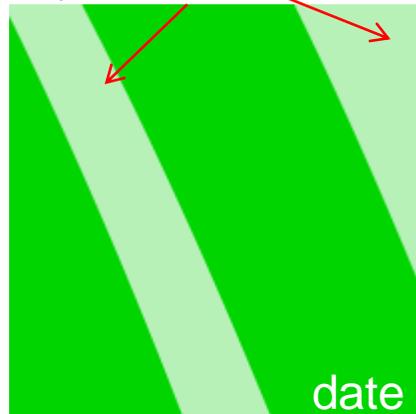
Solution.1 To generate MASTER mosaic from only summer season data

- ◆ 2017 mosaic appeared the seasonal efficient because it is used the Jan-Feb data.
- ◆ MASTER mosaic uses only summer season data.
→ Backscatter is smoothly.

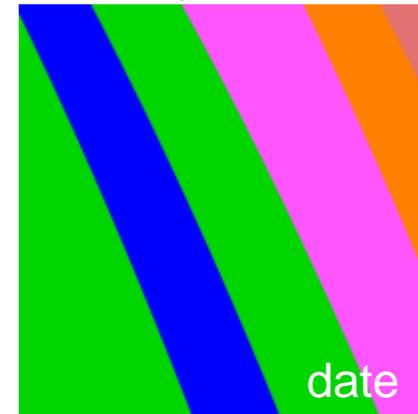
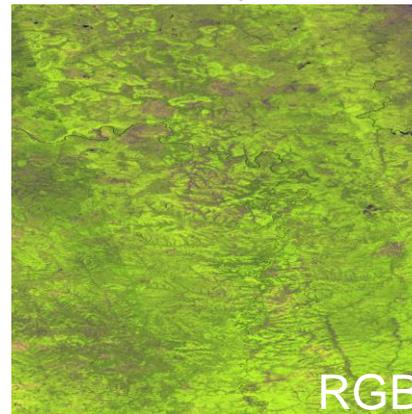
N65E105 (2017 mosaic)



Jan-Feb



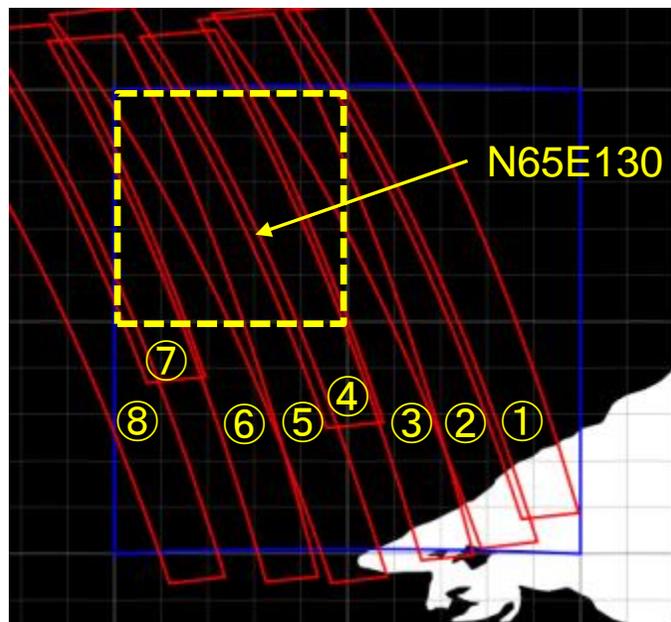
N65E105 (MASTER mosaic)



#Light Color in the date image indicates the early phase of the year.

Global Mosaic status

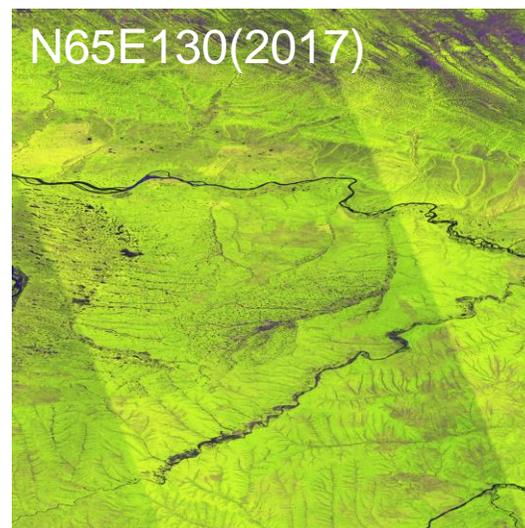
Solution.2 To widen the width of Path Ortho data



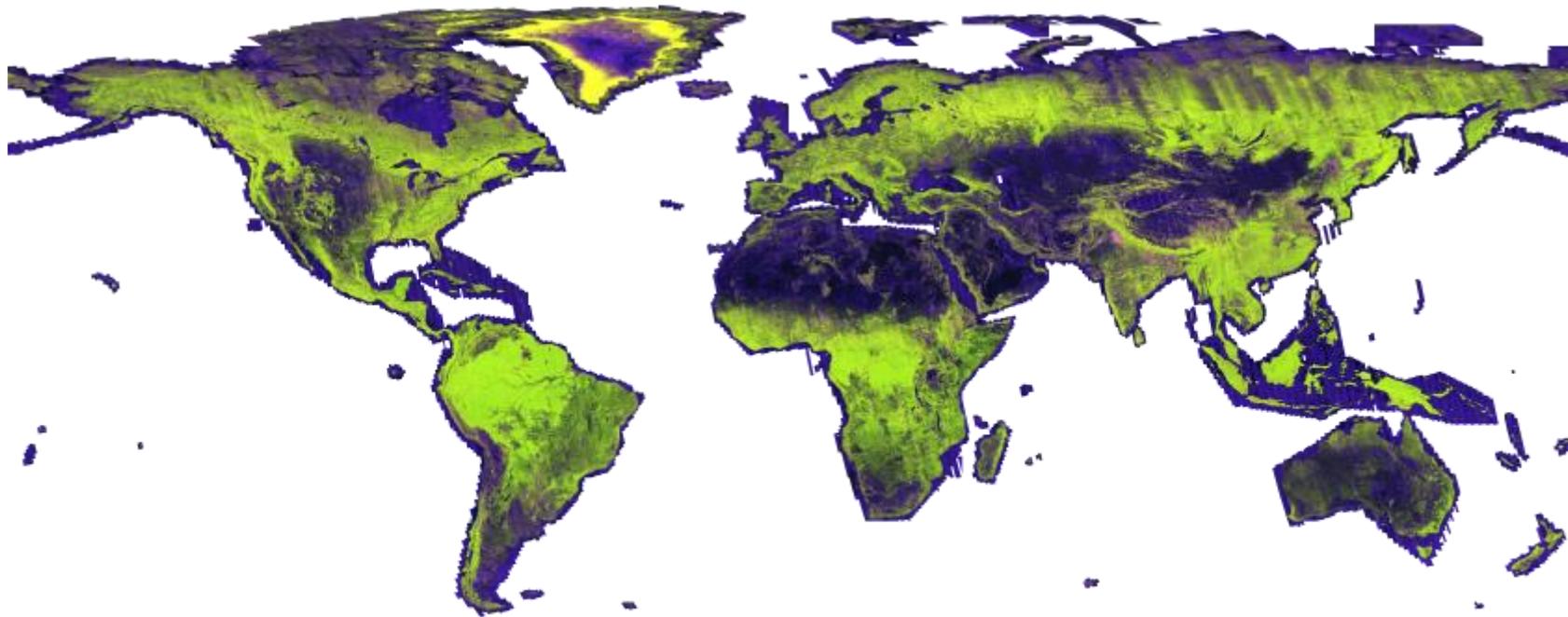
- ① Jun-17, 2017, ② Sep-05, 2017
- ③ Sep-05, 2017, ④ Jul-24, 2017
- ⑤ Sep-19, 2017, ⑥ Sep-01, 2017
- ⑦ Sep-29, 2017, ⑧ Sep-15, 2017

Though most of path data are observed on September, there are some stripes in the 2017 mosaic.

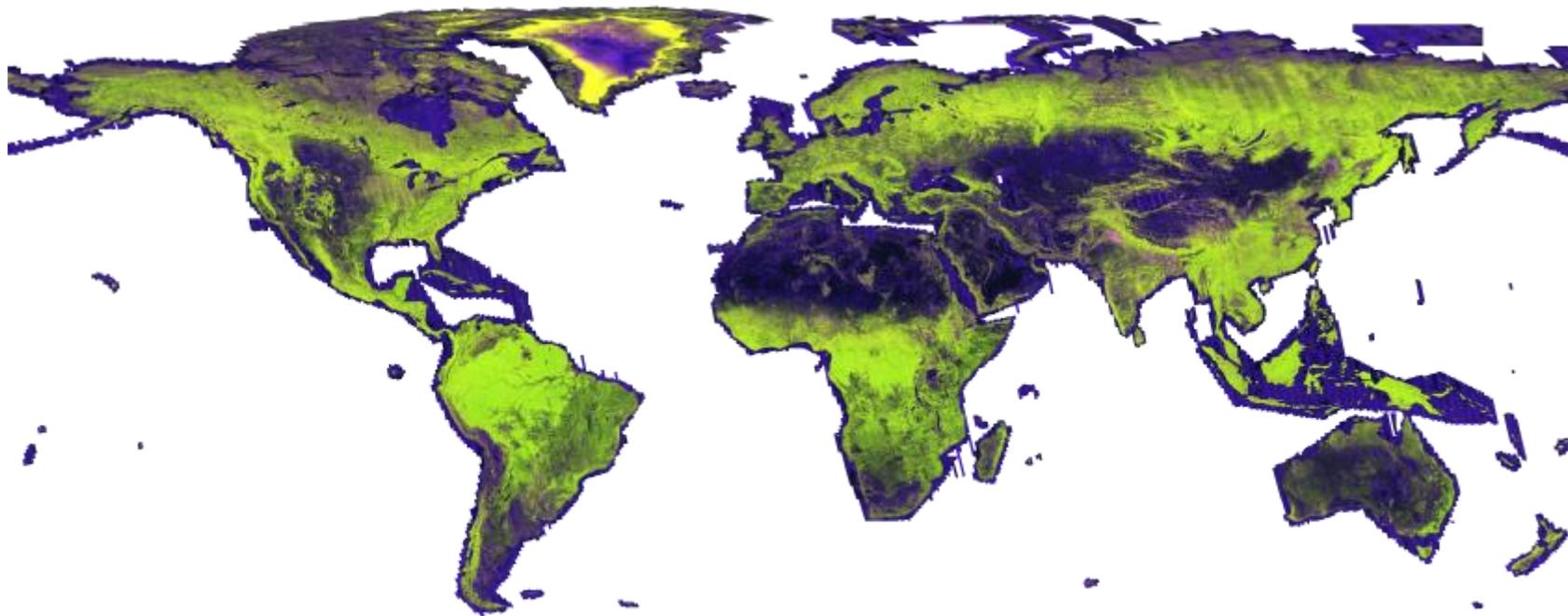
→ New processor makes spread the width of path ortho. So New mosaic image has no stripe.



2017 Global mosaic

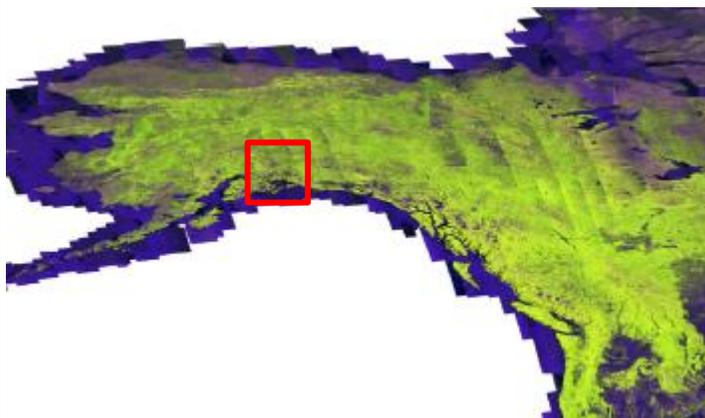


MASTER Global mosaic

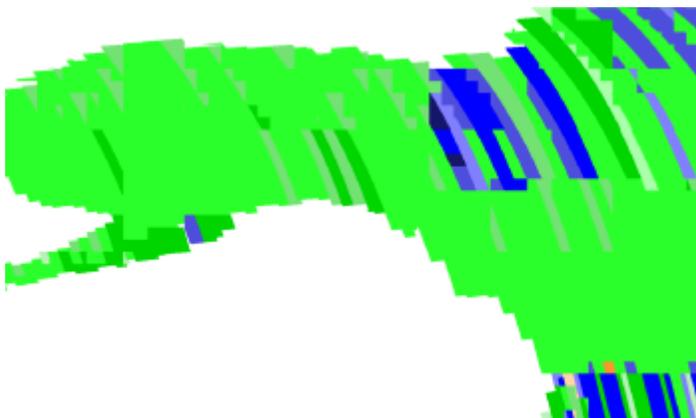


Alaska

Specially, Alaska mosaic has changed smoothly.



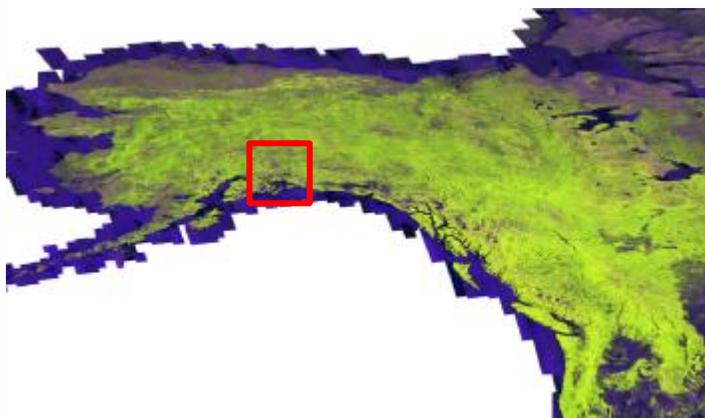
2017 RGB



2017 date



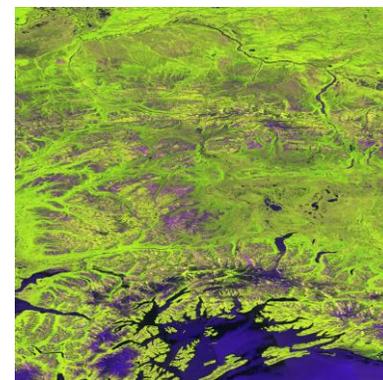
2017 N65W150



MASTER RGB



MASTER date



MASTER N65W150

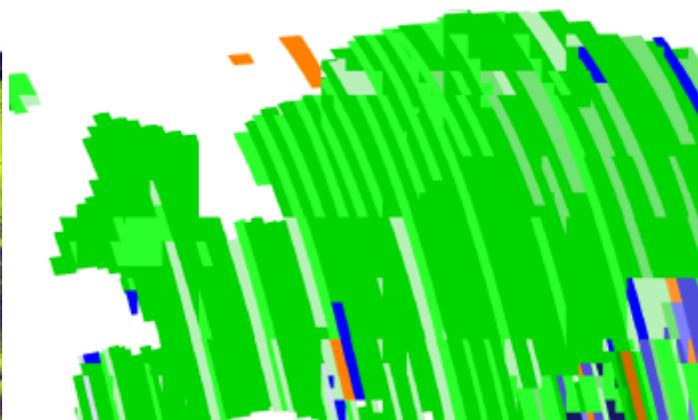
#Light Color indicates the early phase of the year.



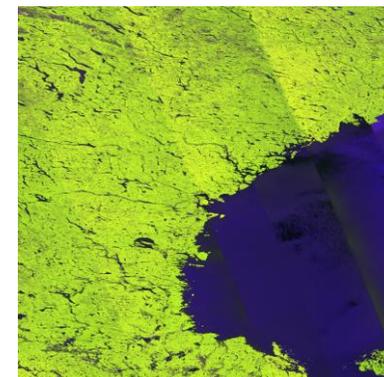
Europe



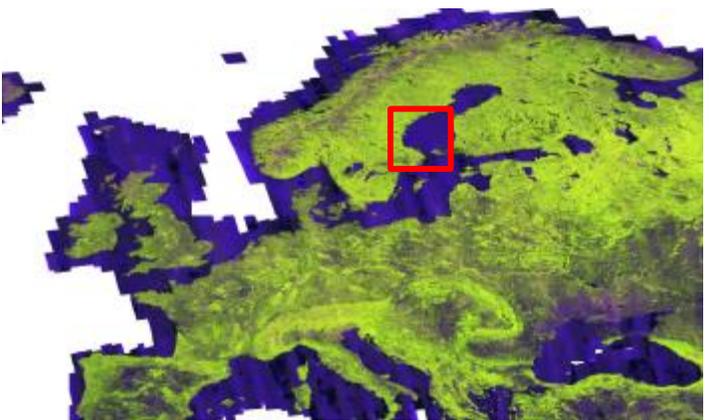
2017 RGB



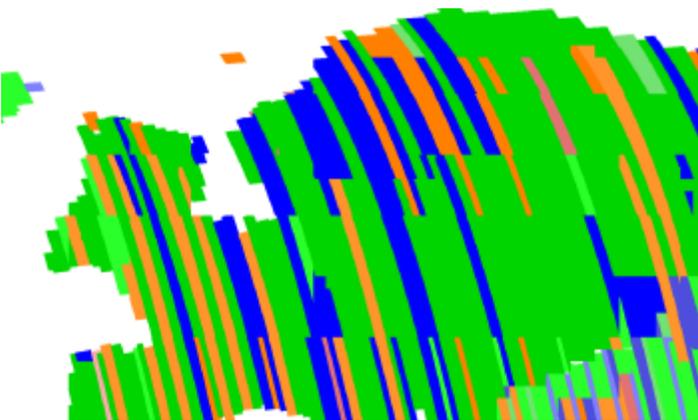
2017 date



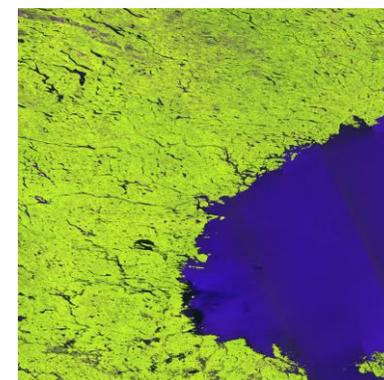
2017 N65E015



MASTER RGB



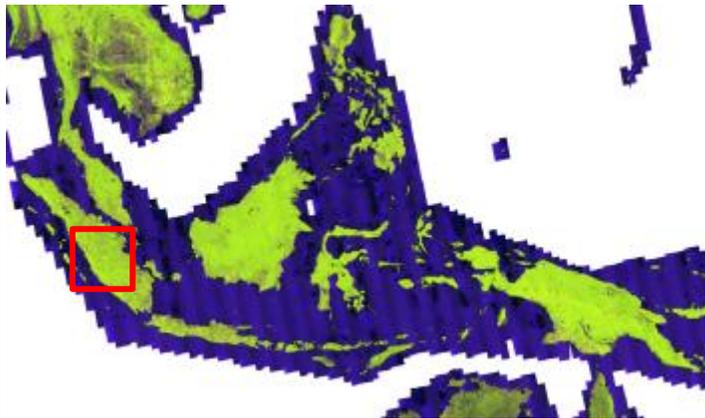
MASTER date



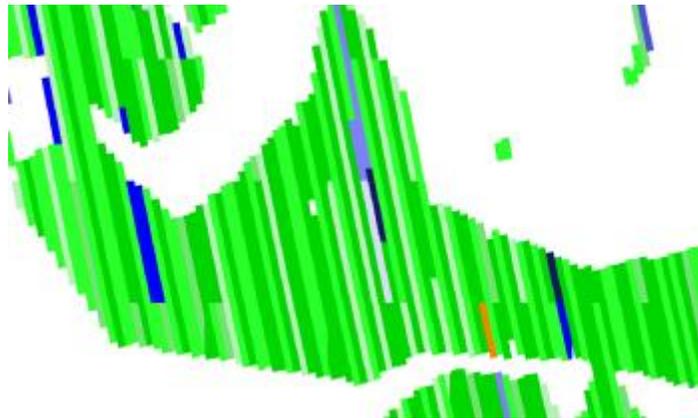
MASTER N65E015

Indonesia

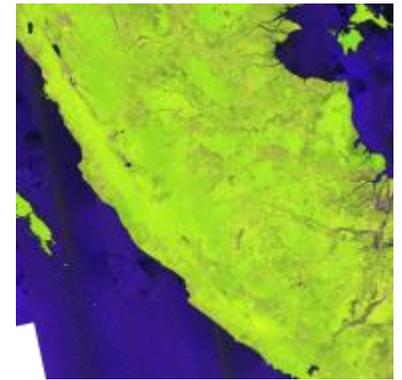
There is not dynamic changes in the tropics area.



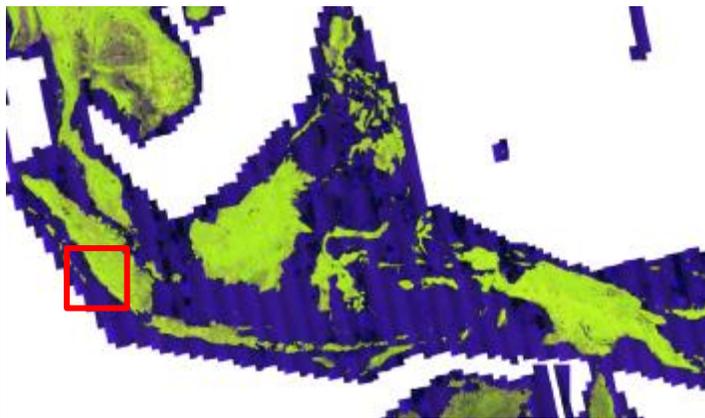
2017 RGB



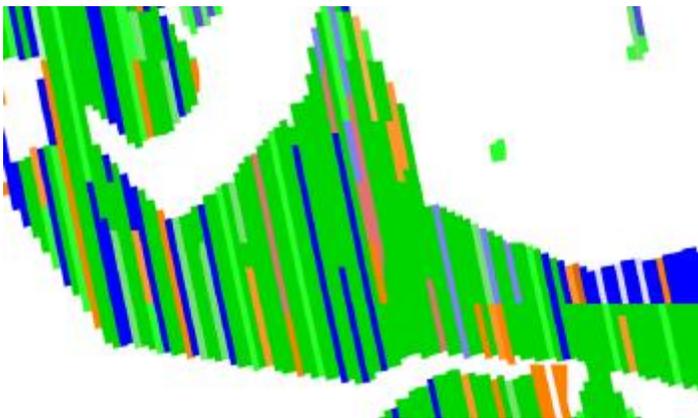
2017 date



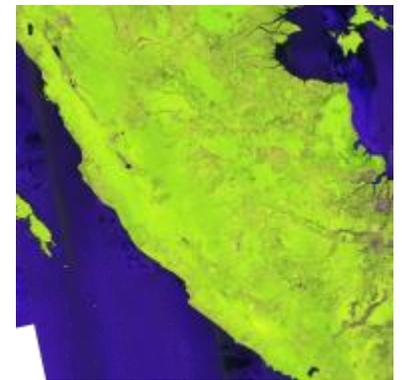
2017 N00E100



MASTER RGB



MASTER date



MASTER N00E100

Global Mosaic status

◆ Summary

JAXA/EORC adapted the following methods to reduce the effects of the discontinuity of mosaic image.

1. To use only summer season data from 2014 to 2018 .
2. To widen the width of path images.

◆ Global mosaic status

In this financial year

→ JAXA/EORC generate master global mosaic and FNF map.

Next financial year

→ JAXA/EORC will generate the 2018 global mosaic.

Thank you for your attention

Questions?