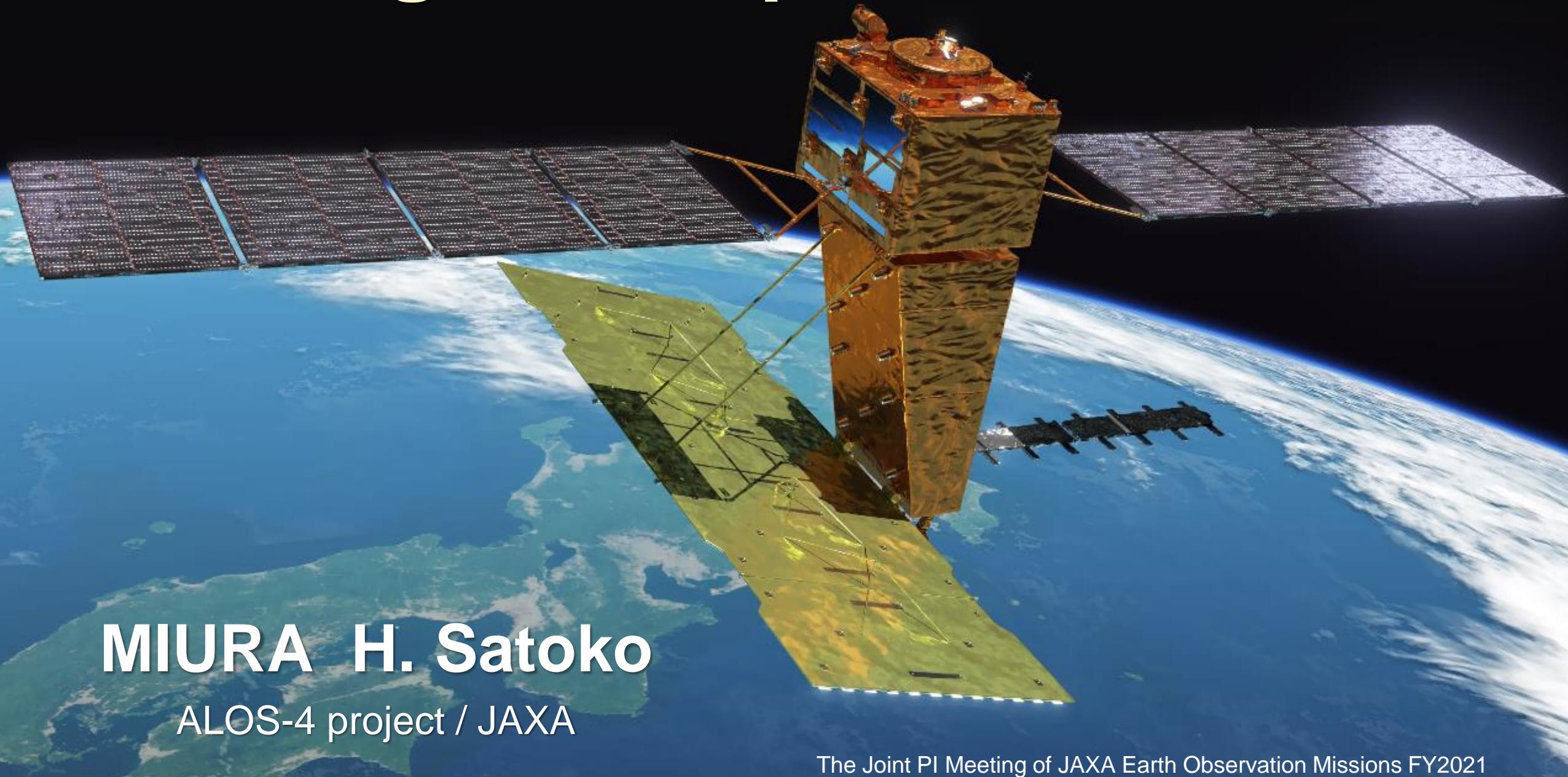


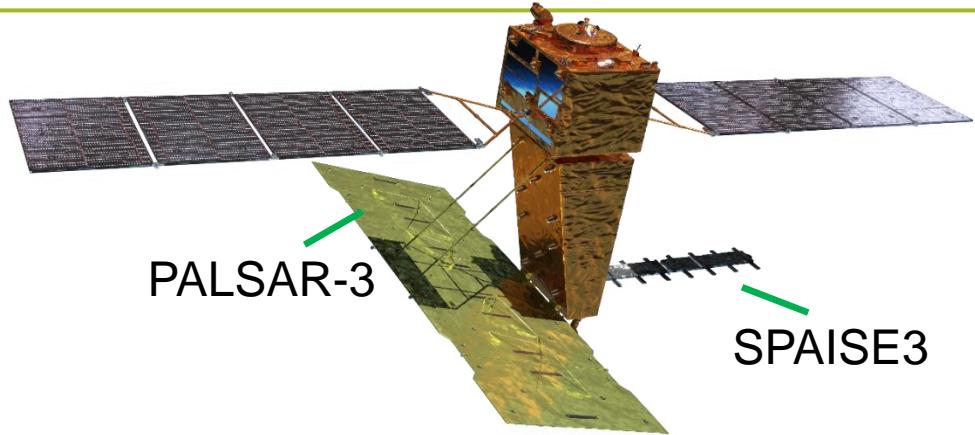
# Progress Report : ALOS-4



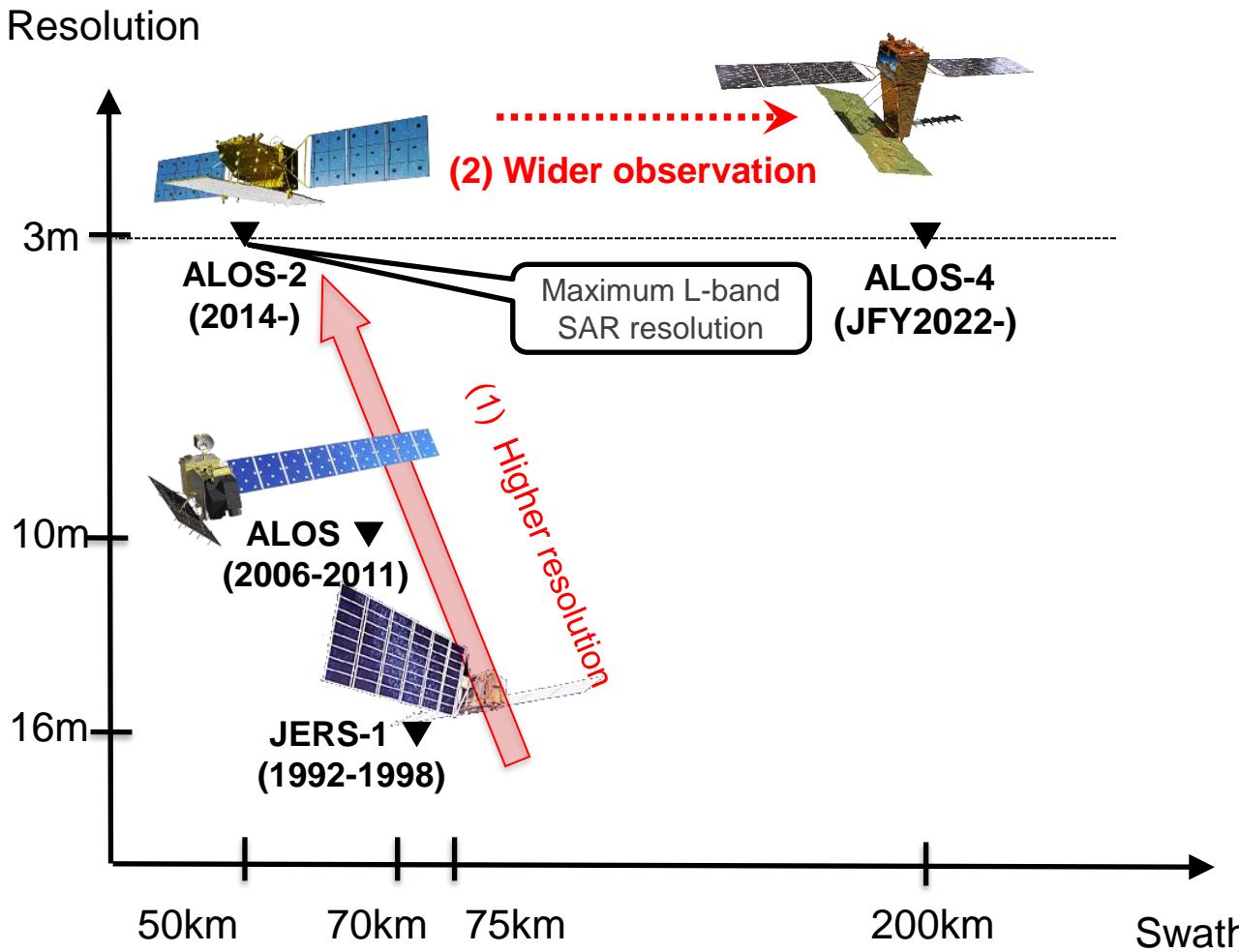
**MIURA H. Satoko**

ALOS-4 project / JAXA

1. Precise monitoring of land deformation and subsidence using InSAR
2. Continuation and enhancement of **ALOS-2 mission** (all-weather disaster monitoring and forest monitoring, etc)
3. Exploring new applications such as large infrastructure monitoring using InSAR time series analysis
4. Marine monitoring by SAR and Automatic Identification System for ships (AIS)

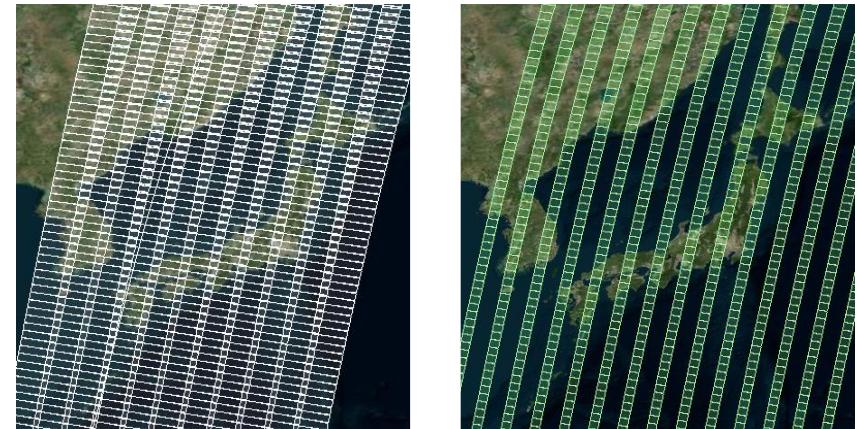


|                     |   |
|---------------------|---|
| Launch              | JFY2022 by H3 launch vehicle  |
| Orbit               | <b>Same orbit as ALOS-2</b> <ul style="list-style-type: none"><li>✓ Local sun time at descending: <math>12:00 \pm 15</math> min.</li><li>✓ Revisit time: 14 day (15-3/14 rev/day)</li></ul> |
| Lifetime            | <b>7 years</b>  |
| Downlink            | <b>1.8/3.6 Gbps (Ka-band)</b>   |
| Mission Instruments | <ul style="list-style-type: none"><li>- PALSAR-3 (Phased Array type L-band Synthetic Aperture Radar-3)</li><li>- SPAISE3 (SPace based AIS Experiment 3)</li></ul>                           |
| Prime contractor    | Mitsubishi Electric Corporation   |



**Coverage of 1 repeat cycle (14 days)**

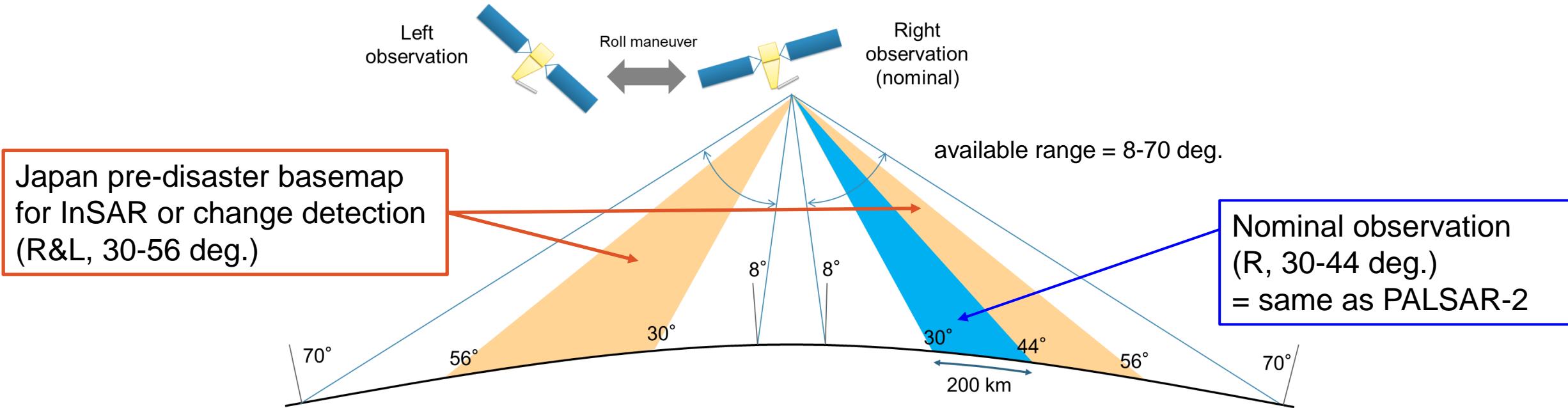
ALOS-4/PALSAR-3 (200 km)      ALOS-2/PALSAR-2 (50 km)



**Swath width of PALSAR-3/2**

| Modes                       | PALSAR-3          | PALSAR-2   |
|-----------------------------|-------------------|------------|
| Stripmap<br>(res. 3/6/10 m) | <u>100-200 km</u> | 30-70 km   |
| ScanSAR<br>(res. 25m*)      | <u>700 km</u>     | 350-490 km |
| Spotlight<br>(res. 1 x 3 m) | <u>35km×35km</u>  | 25km×25km  |

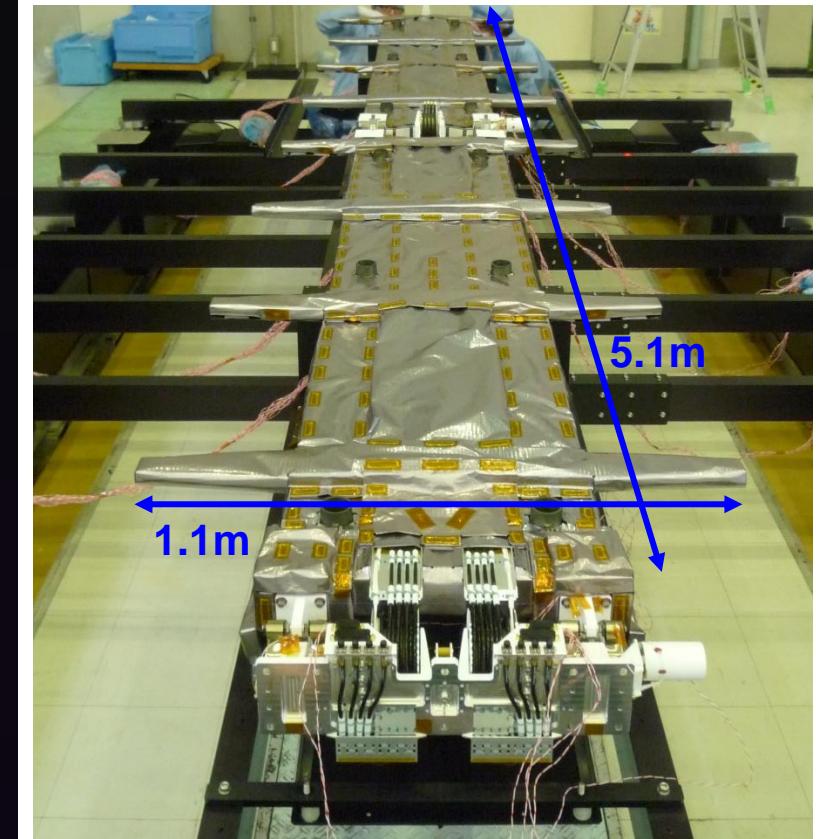
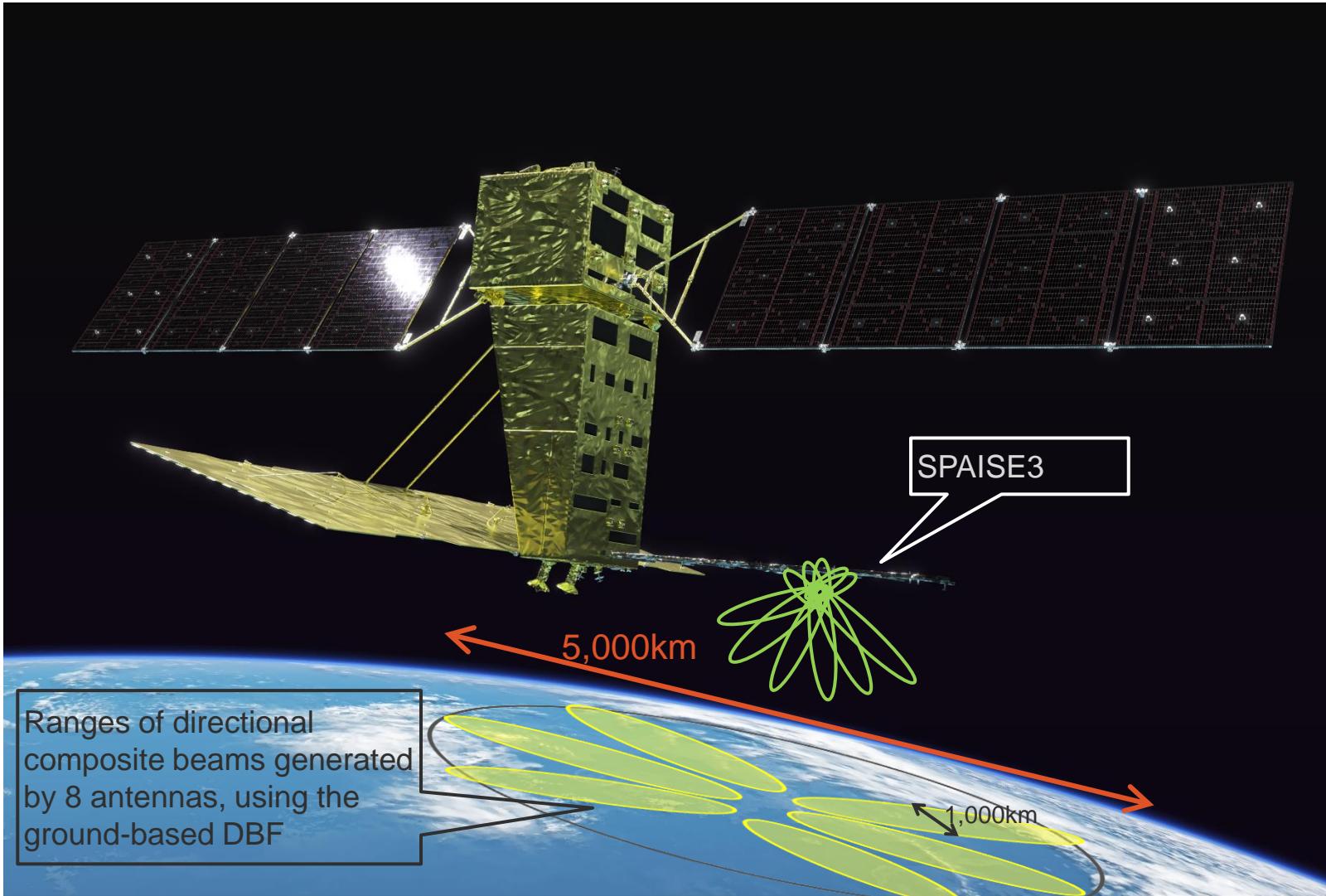
\*single look



### InSAR capability between PALSAR-2 and PALSAR-3

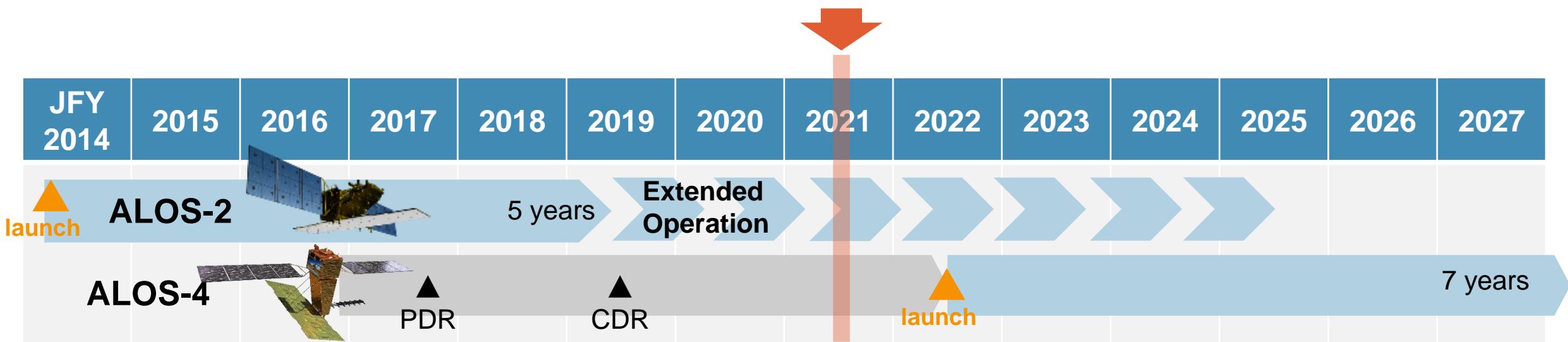
| InSAR pair |                     | PALSAR-3           |               | PALSAR-2         |                   |
|------------|---------------------|--------------------|---------------|------------------|-------------------|
|            |                     | Stripmap100/200 km | ScanSAR700 km | Stripmap50/70 km | ScanSAR350/490 km |
| PALSAR-3   | Stripmap 100/200 km | ○                  | ○             | ○                | ○                 |
|            | ScanSAR 700 km      | ○                  | ○             | ○                | ✗                 |

- ✓ ALOS-4 reference orbit is the same as ALOS-2
- ✓ Controlling accuracy is within +/- 500 m (= small baseline)



SPAISE3 antenna (flight model)

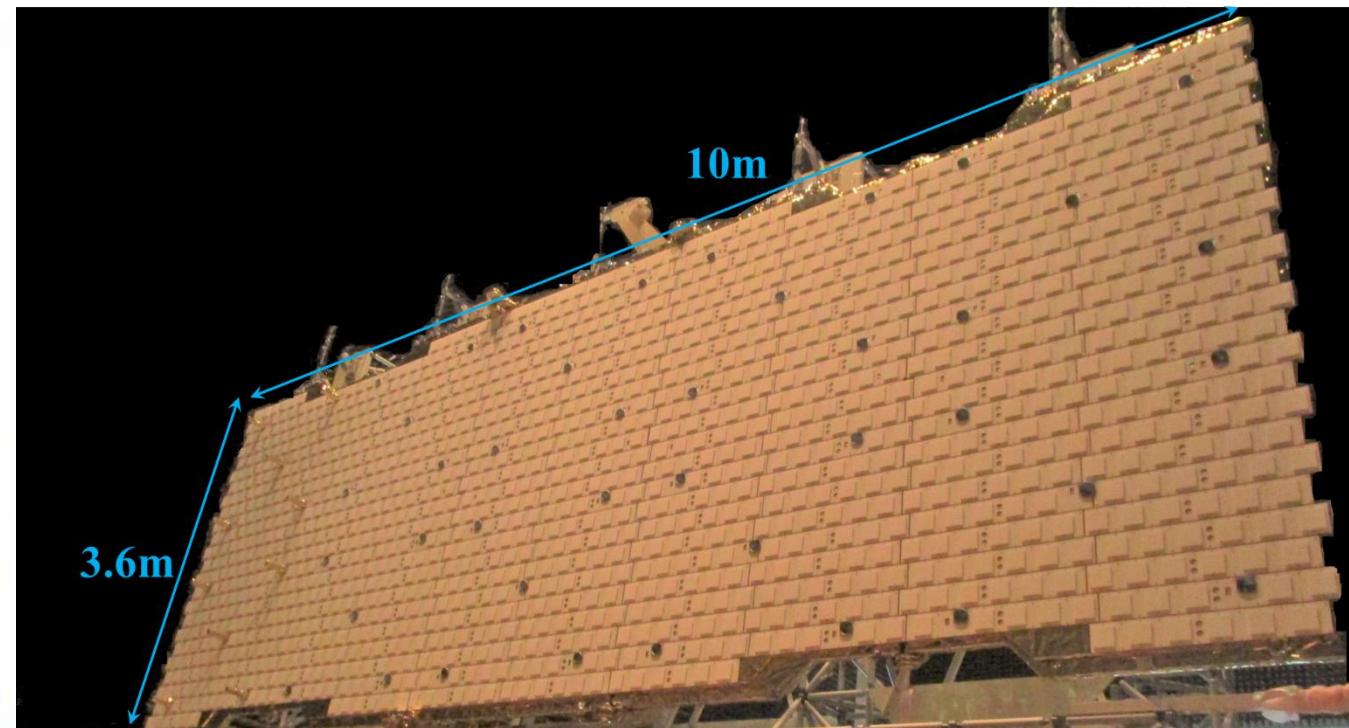
- The manufacture of the ALOS-4 proto-flight model(PFM), including the PALSAR-3, completed. The system PFM test is on-going.
- The ground system is also being tested, and a new user interface (AUIG4) that integrates ALOS-2 and ALOS-4 data is being prepared.
- The 1<sup>st</sup> version of Basic Observation Scenario has been defined. It will be updated through simulations and user feedbacks before regular operation.

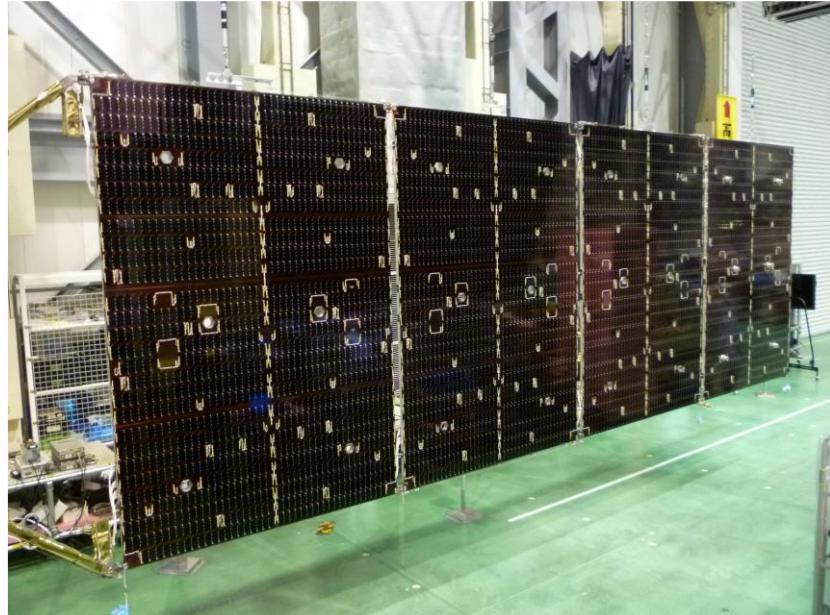


Thermal vacuum test of PALSAR-3  
sub-system



Near Field Antenna Measurement  
of PALSAR-3 full antenna





ALOS-4 PFM: One of the solar array paddles



ALOS-4 PFM during  
micro vibration test

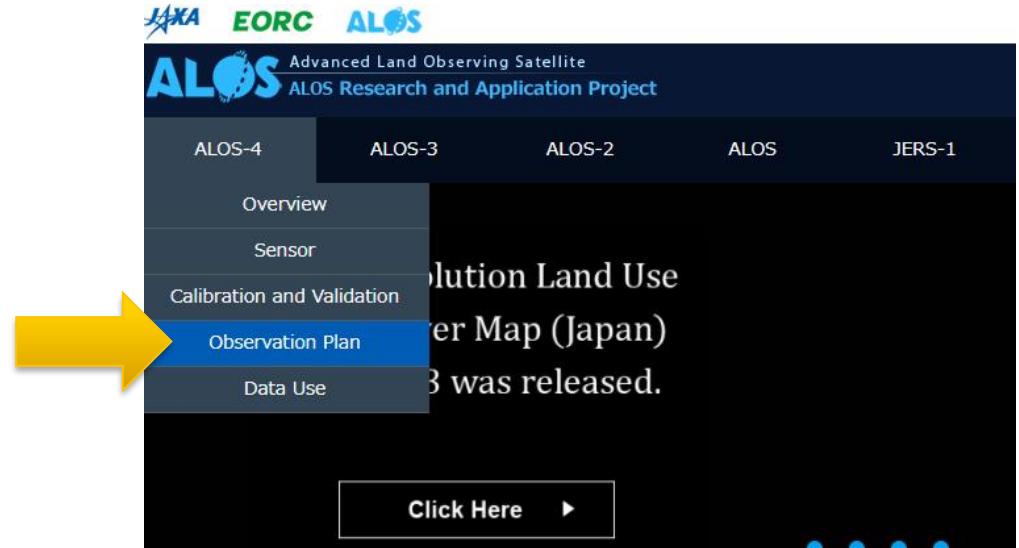


ALOS-4 PFM thermal vacuum test

Movies are on the website:  
[https://www.satnavi.jaxa.jp/ja/project/  
alos-4/index.html](https://www.satnavi.jaxa.jp/ja/project/alos-4/index.html)

- "**Basic Observation Scenario (BOS)**" is defined as a common observation scenario as in ALOS and ALOS-2 for making use of limited observation resources to achieve the ALOS-4 mission objectives.
- The current BOS has been released on the EORC ALOS website. We plan to revise it before launch based on operation simulation results and user feedback.

[https://www.eorc.jaxa.jp/ALOS/en/alos-4/a4\\_observation\\_e.htm](https://www.eorc.jaxa.jp/ALOS/en/alos-4/a4_observation_e.htm)



- ALOS-4 BOS is defined based on the following concept based on user comments at PI workshops and other events,
  - ✓ Minimize the number of observation modes to be operated and increase the number of time series data.
  - ✓ Acquire pre-disaster basemaps with various incidence angles as much as possible to improve quick response to disasters.
  - ✓ Right observation will be used nominally to ensure the continuity from ALOS-2 and effective combination with the other L-SAR satellite (NISAR).
  - ✓ Synergy with ALOS-2 BOS
- Observation requests from PIs not included in the BOS will be discussed as PI supersites.

ALOS-4 BOS URL: [https://www.eorc.jaxa.jp/ALOS/en/alo-4/a4\\_observation\\_e.htm](https://www.eorc.jaxa.jp/ALOS/en/alo-4/a4_observation_e.htm)

| Theme                        | Disaster basemap                                       | Timeseries observations  |
|------------------------------|--|--|
| Target areas                 | All land and coastal areas in Japan                    |  |
| Observation modes            | Stripmap 3 m/200 km swath,<br>ScanSAR                  | Stripmap 3 m/200 km swath  |
| Orbit direction              | Descending and Ascending                               |  |
| Observation direction        | Right and left   | Right  |
| Observation incidence angles | 30-56 deg.<br>(equivalent to ALOS-2 U2-U3)             | 30-44 deg.<br>(equivalent to ALOS-2 U2)  |
| Polarization                 | HH+HV  | HH+HV  |
| Observation frequency        | 1 year (left 30-44 deg. only),<br>3 years (the others) | About 20 times/year<br>Reduced frequency is allowed during<br>basemap acquisition. |

ALOS-4 BOS URL: [https://www.eorc.jaxa.jp/ALOS/en/alon-4/a4\\_observation\\_e.htm](https://www.eorc.jaxa.jp/ALOS/en/alon-4/a4_observation_e.htm)

Calendar of observation cycles for Japan BOS, starting in July as one example.

1 year = 26 cycles x 14 days/cycle

■ 1st year

| Cycles                    | 1                     | 2    | 3    | 4    | 5      | 6                | 7    | 8        | 9          | 10          | 11         | 12         | 13     | 14         | 15         | 16     | 17     | 18     | 19         | 20         | 21     | 22     | 23     | 24                  | 25         | 26     |  |      |
|---------------------------|-----------------------|------|------|------|--------|------------------|------|----------|------------|-------------|------------|------------|--------|------------|------------|--------|--------|--------|------------|------------|--------|--------|--------|---------------------|------------|--------|--|------|
| Month/day                 | 7/1                   | 7/15 | 7/29 | 8/12 | 8/26   | 9/9              | 9/23 | 10/7     | 10/21      | 11/4        | 11/18      | 12/2       | 12/16  | 12/30      | 1/13       | 1/27   | 2/10   | 2/24   | 3/10       | 3/24       | 4/7    | 4/21   | 5/5    | 5/19                | 6/2        | 6/16   |  |      |
| Content                   | Disaster basemap      |      |      |      | Open   | Disaster basemap |      |          |            | Open cycles |            | Timeseries |        | Open       | Timeseries |        |        |        | Open       | Timeseries |        |        |        | Open                | Timeseries |        |  |      |
| Descending                | XB2R                  | XB2L | UW1R | UW1L | (UW1R) | UW3R             | UW3L | UW2R     | UW2L       | (UW1R)      | (UW1R)     | (UW1R)     | (UW1R) | (UW1R)     | (UW1R)     | (UW1R) | (UW1R) | (UW1R) | (UW1R)     | (UW1R)     | (UW1R) | (UW1R) | (UW1R) | (UW1R)              | (UW1R)     | (UW1R) |  |      |
| Ascending                 | XB2R                  | XB2L | UW1R | UW1L | (UW1R) | UW3R             | UW3L | UW2R     | UW2L       | (UW1R)      | (UW1R)     | (UW1R)     | (UW1R) | (UW1R)     | (UW1R)     | (UW1R) | (UW1R) | (UW1R) | (UW1R)     | (UW1R)     | (UW1R) | (UW1R) | (UW1R) | (UW1R)              | (UW1R)     | (UW1R) |  |      |
| ■ 2nd, 3rd, 5th, 6th year |                       |      |      |      |        |                  |      |          |            |             |            |            |        |            |            |        |        |        |            |            |        |        |        |                     |            |        |  |      |
| Cycles                    | 1                     | 2    | 3    | 4    | 5      | 6                | 7    | 8        | 9          | 10          | 11         | 12         | 13     | 14         | 15         | 16     | 17     | 18     | 19         | 20         | 21     | 22     | 23     | 24                  | 25         | 26     |  |      |
| Month/day                 | 7/1                   | 7/15 | 7/29 | 8/12 | 8/26   | 9/9              | 9/23 | 10/7     | 10/21      | 11/4        | 11/18      | 12/2       | 12/16  | 12/30      | 1/13       | 1/27   | 2/10   | 2/24   | 3/10       | 3/24       | 4/7    | 4/21   | 5/5    | 5/19                | 6/2        | 6/16   |  |      |
| Content                   | Timeseries            |      |      |      | Open   | Timeseries       |      | Disaster | Timeseries | Open        | Timeseries |            | Open   | Timeseries |            |        |        | Open   | Timeseries |            |        |        | Open   | Timeseries          |            |        |  |      |
| Descending                | UW1R                  |      |      |      | (UW3R) |                  |      | UW1L     |            | (UW1R)      |            |            |        | *1         |            |        |        | *1     |            |            |        | *1     |        |                     |            | (UW2R) |  |      |
| Ascending                 | UW1R                  |      |      |      | (UW3R) |                  |      | UW1L     |            | (UW1R)      |            |            |        | *1         |            |        |        | *1     |            |            |        | *1     |        |                     |            | (UW2R) |  |      |
| ■ 4th, 7th year           |                       |      |      |      |        |                  |      |          |            |             |            |            |        |            |            |        |        |        |            |            |        |        |        |                     |            |        |  |      |
| Cycles                    | 1                     | 2    | 3    | 4    | 5      | 6                | 7    | 8        | 9          | 10          | 11         | 12         | 13     | 14         | 15         | 16     | 17     | 18     | 19         | 20         | 21     | 22     | 23     | 24                  | 25         | 26     |  |      |
| Month/day                 | 7/1                   | 7/15 | 7/29 | 8/12 | 8/26   | 9/9              | 9/23 | 10/7     | 10/21      | 11/4        | 11/18      | 12/2       | 12/16  | 12/30      | 1/13       | 1/27   | 2/10   | 2/24   | 3/10       | 3/24       | 4/7    | 4/21   | 5/5    | 5/19                | 6/2        | 6/16   |  |      |
| Content                   | Timeseries + Disaster |      |      |      |        |                  |      |          |            |             | Timeseries |            | Open   | Timeseries |            |        |        | Open   | Timeseries |            |        |        | Open   | Timeseries+Disaster |            |        |  |      |
| Descending                |                       | XB2R |      | XB2L |        | UW3R             |      | UW1L     |            | UW3L        |            |            |        | (UW1R)     |            |        |        | (UW1R) |            |            |        | (UW1R) |        |                     |            | UW2R   |  | UW2L |
| Ascending                 |                       | XB2R |      | XB2L |        | UW3R             |      | UW1L     |            | UW3L        |            |            |        | (UW1R)     |            |        |        | (UW1R) |            |            |        | (UW1R) |        |                     |            | UW2R   |  | UW2L |

UW1-3R: Stripmap 3 m, 200 km swath, beam 1-3, right, HH+HV, UW1-3L: Stripmap 3 m, 200 km swath, beam 1-3, left, HH+HV

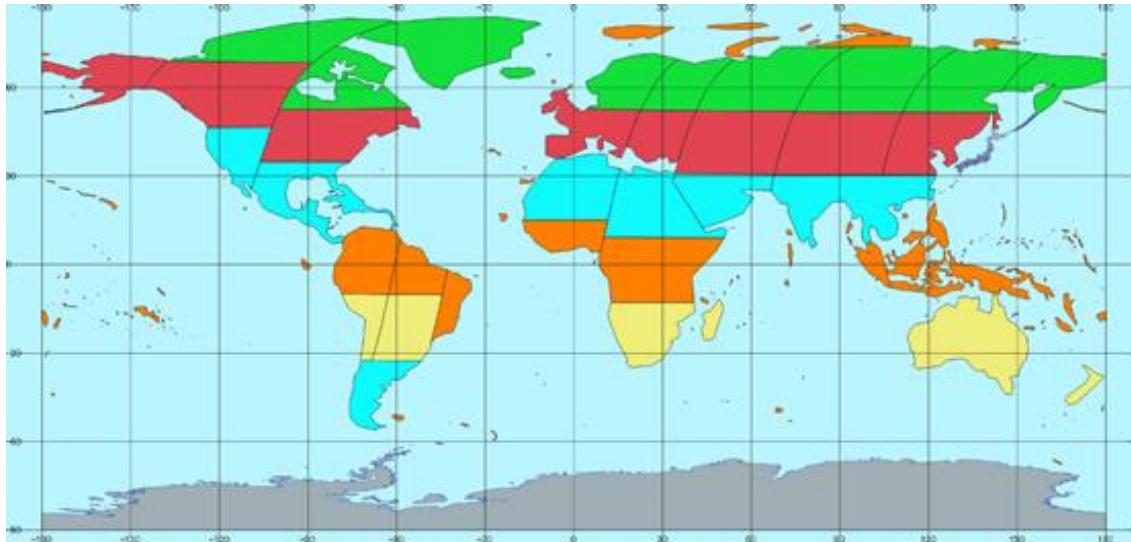
XB2R: ScanSAR 700 km swath, beam 2, right, HH+HV, XB2L: ScanSAR 700 km swath, beam 2, left, HH+HV

\*1: Assign the right observation for one of the beam UB1/UB3/UB5/UB15/UB17/UB19

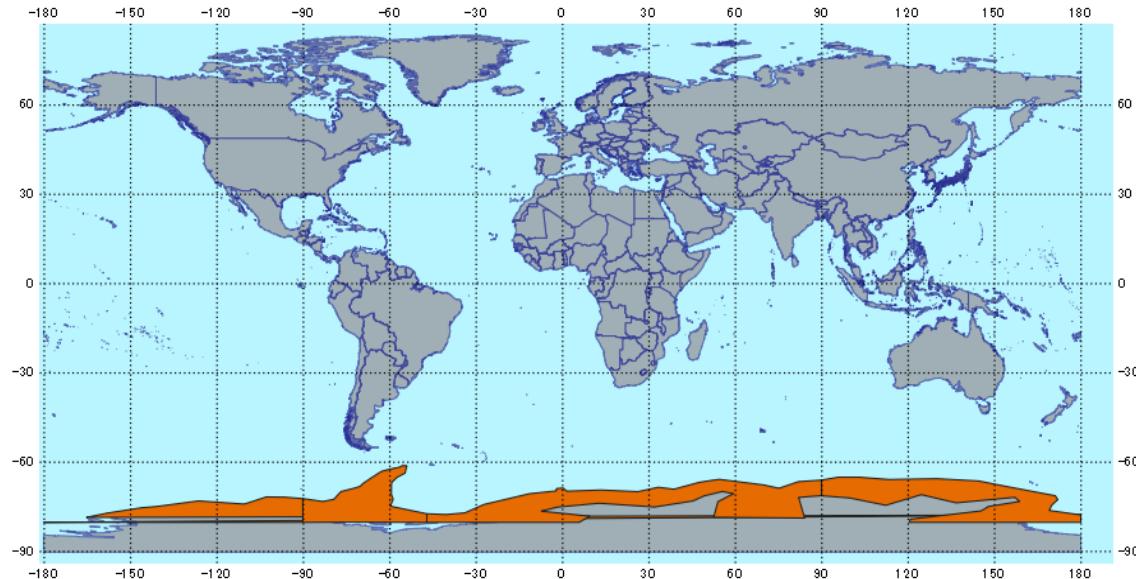
| Theme                        | Global basemap   | Disaster basemap  | Time-series observations   | Polar observations  |
|------------------------------|--|---|--|---|
| Target areas                 | All land and coastal areas   | About 50% of the global land areas  | About 50% of the global land areas   | Parts of Antarctica and Greenland   |
| Observation modes            | Stripmap 10 m 200 km swath<br>Ionospheric correction mode (on-board split-band) for crustal movement observations. | ScanSAR 700 km swath,<br>Stripmap 10 m 200 km swath (TBD)                 | Stripmap 10 m 200 km swath<br>Ionospheric correction mode (on-board split-band) for crustal movement observations. | Stripmap 10 m 200 km swath<br>Ionospheric correction mode (on-board split-band) (TBD) |
| Orbit direction              | Ascending and Descending   | Ascending and Descending  | Ascending  | Descending  |
| Observation incidence angles | 29-43 deg. (equivalent to ALOS-2 beam F2)  | 18-60 deg. (beam XB2),<br>38-55 deg. (equivalent to ALOS-2 beam F3) (TBD) | 29-43 deg. (equivalent to ALOS-2 beam F2)  | 29-43 deg. (equivalent to ALOS-2 beam F2)   |
| Polarization                 | HH+HV  | HH+HV(TBD)  | HH+HV  | HH+HV (TBD)   |
| Observation frequency        | 1 year   | Once every 3 years  | About 9 times/year   | 3 times/year (TBD)  |
| Observation period           | Avoiding the northern hemisphere snow season, October-May  | Avoiding the northern hemisphere snow season, October-May                 | All year   | Twice in summer and once in winter in the target area (TBD)                           |

ALOS-4 BOS URL: [https://www.eorc.jaxa.jp/ALOS/en/alos-4/a4\\_observation\\_e.htm](https://www.eorc.jaxa.jp/ALOS/en/alos-4/a4_observation_e.htm)

Global basemap



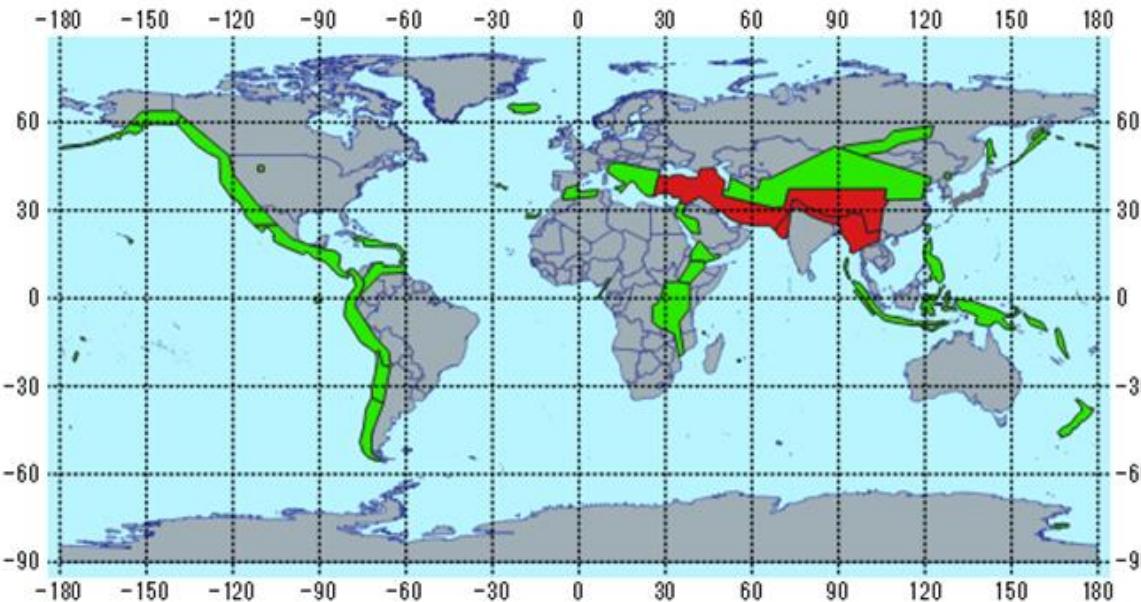
Polar observations



- Stripmap 10 m, 200 km swath, HH+HV
- One coverage/year by using 5 cycles (TBD) due to observation downlink capacity. The different colors in the map mean different cycles to observe.

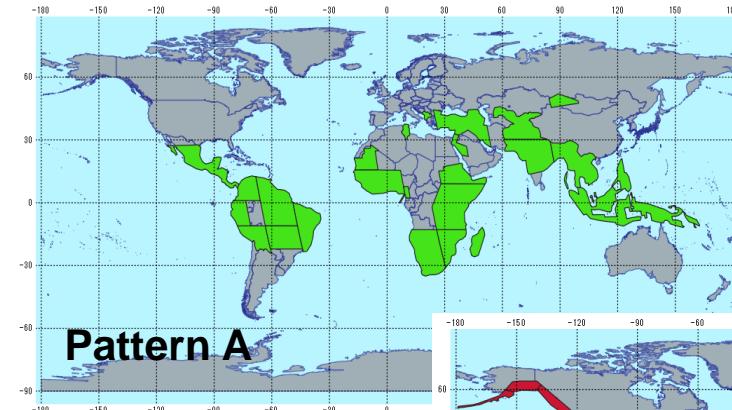
- Stripmap 10 m, 200 km swath, HH+HV (TBD)
- Twice in summer and once in winter for Antarctica.
- Observations of south of the 79°S latitude are not included in the basic observation scenario because it requires a lot of left observations, which conflict with other observations.

Disaster basemap (ScanSAR 700 km)

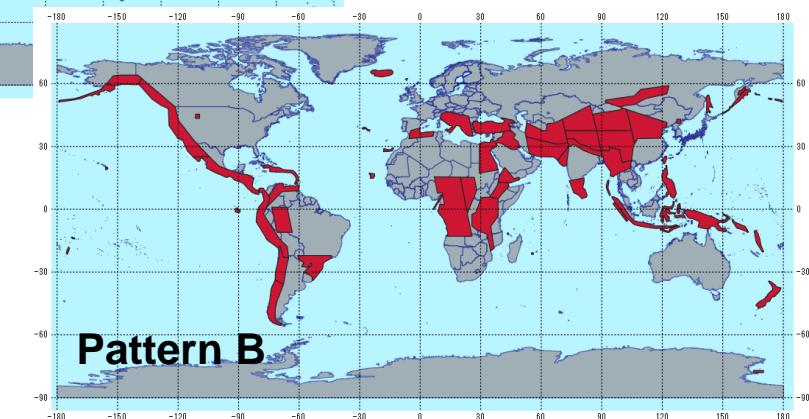


- ScanSAR 700 km
- One coverage every 3 years. It will be useful for a pre-disaster basemap for huge earthquakes.

Time-series observations



Pattern A



Pattern B

- Stripmap 10 m, 200 km swath, HH+HV
- About 9 times/year.
- One coverage is divided into 2 cycles.

Calendar of observation cycles for Global BOS, starting in July as one example.

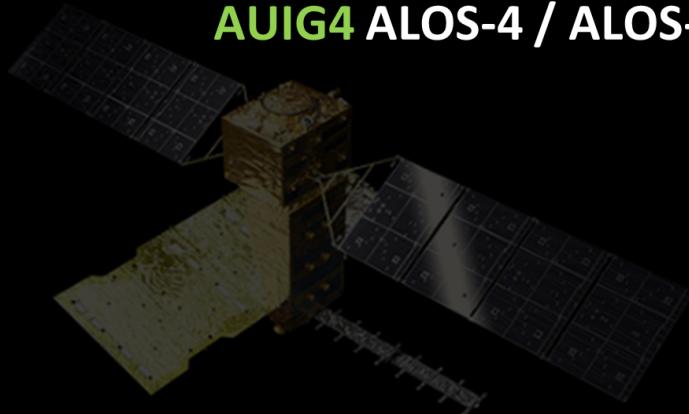
■ 1st, 4th, 7th year

| Cycles          | 1              | 2    | 3    | 4    | 5    | 6                | 7                | 8              | 9              | 10             | 11    | 12             | 13             | 14             | 15             | 16          | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24          | 25  | 26   |  |
|-----------------|----------------|------|------|------|------|------------------|------------------|----------------|----------------|----------------|-------|----------------|----------------|----------------|----------------|-------------|------|------|------|------|------|------|------|-------------|-----|------|--|
| Month/day       | 7/1            | 7/15 | 7/29 | 8/12 | 8/26 | 9/9              | 9/23             | 10/7           | 10/21          | 11/4           | 11/18 | 12/2           | 12/16          | 12/30          | 1/13           | 1/27        | 2/10 | 2/24 | 3/10 | 3/24 | 4/7  | 4/21 | 5/5  | 5/19        | 6/2 | 6/16 |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Disaster + Polar | Open cycles    |                |                |       |                | Open + Polar   |                |                | Open cycles |      |      |      |      |      |      |      |             |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Descending      | FW1R           | FW1R | FW1R | FW1R | FW1R | XB2R             | XB2R             | FW1R           |                |                |       |                |                |                |                | FW1R        | FW1R |      |      |      |      |      |      |             |     |      |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Timeseries (1)   | Timeseries (2) | Timeseries (3) | Timeseries (4) | Open  | Timeseries (5) | Timeseries (6) | Timeseries (7) | Timeseries (8) | Open cycles |      |      |      |      |      |      |      | Open cycles |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Ascending       | FW1R           | FW1R | FW1R | FW1R | FW1R | XB2R             | XB2R             | FW1R           | FW1R           | FW1R           | FW1R  | FW1R           | FW1R           | FW1R           | FW1R           |             | FW1R        |     |      |  |
| ■ 2nd, 5th year |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Cycles          | 1              | 2    | 3    | 4    | 5    | 6                | 7                | 8              | 9              | 10             | 11    | 12             | 13             | 14             | 15             | 16          | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24          | 25  | 26   |  |
| Month/day       | 7/1            | 7/15 | 7/29 | 8/12 | 8/26 | 9/9              | 9/23             | 10/7           | 10/21          | 11/4           | 11/18 | 12/2           | 12/16          | 12/30          | 1/13           | 1/27        | 2/10 | 2/24 | 3/10 | 3/24 | 4/7  | 4/21 | 5/5  | 5/19        | 6/2 | 6/16 |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Disaster + Polar | Open cycles    |                |                |       |                | Open + Polar   |                |                | Open cycles |      |      |      |      |      |      |      |             |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Descending      | FW1R           | FW1R | FW1R | FW1R | FW1R | FW1R             | FW3R             | FW3R           | FW1R           |                |       |                |                |                |                | FW1R        | FW1R |      |      |      |      |      |      |             |     |      |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Timeseries (1)   | Timeseries (2) | Timeseries (3) | Timeseries (4) | Open  | Timeseries (5) | Timeseries (6) | Timeseries (7) | Timeseries (8) | Open cycles |      |      |      |      |      |      |      | Open cycles |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Ascending       | FW1R           | FW1R | FW1R | FW1R | FW1R | FW3R             | FW3R             | FW1R           | FW1R           | FW1R           | FW1R  | FW1R           | FW1R           | FW1R           | FW1R           |             | FW1R        |     |      |  |
| ■ 3rd, 6th year |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Cycles          | 1              | 2    | 3    | 4    | 5    | 6                | 7                | 8              | 9              | 10             | 11    | 12             | 13             | 14             | 15             | 16          | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24          | 25  | 26   |  |
| Month/day       | 7/1            | 7/15 | 7/29 | 8/12 | 8/26 | 9/9              | 9/23             | 10/7           | 10/21          | 11/4           | 11/18 | 12/2           | 12/16          | 12/30          | 1/13           | 1/27        | 2/10 | 2/24 | 3/10 | 3/24 | 4/7  | 4/21 | 5/5  | 5/19        | 6/2 | 6/16 |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Disaster + Polar | Open cycles    |                |                |       |                | Open + Polar   |                |                | Open cycles |      |      |      |      |      |      |      |             |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Descending      | FW1R           | FW1R | FW1R | FW1R | FW1R | FW1R             | FW2R             | FW2R           | FW1R           |                |       |                |                |                |                | FW1R        | FW1R |      |      |      |      |      |      |             |     |      |  |
| Content         | Global basemap |      |      |      |      | Disaster basemap | Timeseries (1)   | Timeseries (2) | Timeseries (3) | Timeseries (4) | Open  | Timeseries (5) | Timeseries (6) | Timeseries (7) | Timeseries (8) | Open cycles |      |      |      |      |      |      |      | Open cycles |     |      |  |
| Pattern         |                |      |      |      |      |                  |                  |                |                |                |       |                |                |                |                |             |      |      |      |      |      |      |      |             |     |      |  |
| Ascending       | FW1R           | FW1R | FW1R | FW1R | FW1R | FW2R             | FW2R             | FW1R           | FW1R           | FW1R           | FW1R  | FW1R           | FW1R           | FW1R           | FW1R           |             | FW1R        |     |      |  |

FW1-3R: Stripmap 10 m, 200 km swath, beam 1-3, right, HH+HV, XB2R: ScanSAR 700 km swath, beam 2, right, HH+HV

\*1 Global basemap: 1 coverage divided into 5 cycles (TBD)

\*2 Disaster basemap, Timeseries observations: 1 coverage divided into 2 cycles

[JAXA](#) ホーム ユーザ登録情報 ▾ プロダクト要求 ▾ 観測要求 ▾ 情報表示 ▾ ヘルプ**AUIG4 ALOS-4 / ALOS-2 User Interface Gateway****更新情報**[お知らせ](#)[運用情報](#)

2018/mm/dd

- xxxxxxxx のメンテナンスを実施します。  
~~~~~

2018/mm/dd

- yyyyyyy のメンテナンスが完了しました。  
~~~~~

2018/mm/dd

- zzzzzzz (について  
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### プロダクト検索

プロダクト検索 シーンID検索

検索条件読み込み 検索条件保存

検索方法

プロダクト検索  
 ▶ PALSAR-3 詳細設定  
 ▶ PALSAR-2 詳細設定  
 干渉ペア候補検索  
 ▶ 干渉ペア候補詳細設定

共通設定

衛星進行方向 ▼ 指定なし  
 ブラウズ画像の有無 ▼ 指定なし

検索範囲

矩形指定  
 点指定  
 ポリゴン指定  
 観測パス/観測フレーム指定  
 ダウンリンク番号/再生ID指定  
 KMZファイル指定  
 シェープファイル指定

左上(緯度、経度)[度]    
 右下(緯度、経度)[度]

凡例  
 オレンジ枠: 検索範囲  
 青枠: ALOS-4のシーン  
 緑枠: ALOS-2のシーン  
 赤枠: 選択しているシーン

検索結果 検索結果: 100件

検索結果表示項目設定 基線長と重複帯域幅を計 ▼ 機関 ▼ 名前 カートに追 エクスポート 削除 カート画面へ移動

| 表示  | 選択                                  | 削除                       | 衛星進行方向  | 観測方向 | オフナディア角 | 観測開始日時              | 観測モード | 観測パス番号 |
|---|-------------------------------------|--------------------------|---------|------|---------|---------------------|-------|--------|
| <input type="checkbox"/>                          | <input type="checkbox"/>            | <input type="checkbox"/> | ▼ =     | ▼ =  | ▼ =     | ▼ =                 | ▼ =   | ▼ =    |
| ▼ PairGroupName : ALOS4xxxxxxxxx-xxxxxx (2 items) |                                     |                          |         |      |         |                     |       |        |
| <input checked="" type="checkbox"/>               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | アセンディング | 右    | xx,x    | 2019/10/10 hh:mm:ss | SM2   | 12     |
| <input checked="" type="checkbox"/>               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | アセンディング | 右    | xx,x    | 2019/10/10 hh:mm:ss | WD3   | 13     |
| ▼ PairGroupName : ALOS2xxxxxxxxx-xxxxxx (2 items) |                                     |                          |         |      |         |                     |       |        |
| <input checked="" type="checkbox"/>               | <input type="checkbox"/>            | <input type="checkbox"/> | アセンディング | 左    | xx,x    | 2019/10/10 hh:mm:ss | WD1   | 21     |

詳細情報

画像

| 項目名             | 値 |
|-----------------|---|
| シーンID           |   |
| ビーム番号           |   |
| サブビーム番号         |   |
| 地上局コード          |   |
| 観測開始日時          |   |
| 観測終了日時          |   |
| 衛星名             |   |
| センサ種別           |   |
| 観測モード           |   |
| PRF固定観測モード      |   |
| ATIモード          |   |
| マニュアルDBFモード     |   |
| DBF固定係数モード      |   |
| 電離層補正モード(84MHz) |   |
| 電離層補正モード(オン)    |   |
| 観測パス番号          |   |
| 中心フレーム番号        |   |
| 通算軌道番号          |   |
| ポインティング角(N)     |   |
| ポインティング角(F)     |   |
| ポインティング角(B)     |   |
| ポインティング角        |   |
| 偏波              |   |
| 観測方向            |   |
| オフナディア角         |   |
| 送信中心周波数         |   |
| 送信帯域幅           |   |
| サムネイルファイル名      |   |
| サムネイルファイルサイ     |   |
| サムネイルファイル作成     |   |

## Product Search