

Release Note
GOSAT-GW TANSO-3 Level 1 Product
(V101.101)

NC Version, June 2026

Japan Aerospace Exploration Agency
GOSAT-GW Project Team

Version	Date	Page	Description
NC	June 2026	-	Initial release

1.Overview

This document is the release note for the GOSAT-GW TANSO-3 Level 1A and Level 1B products listed below.
Table 1-1 shows the products and version numbers applicable to this document.

Table 1-1 GOSAT-GW TANSO-3 Level 1 Products and Versions

Product	Algorithm Version	Parameter Version	Format Specification	Remarks
TANSO-3 Level 1A Product	101	101	Ver 1.01 (2026/06/10)	V101.101
TANSO-3 Level 1B Product	101	101	Ver 1.01 (2026/06/10)	V101.101

2. Release Notes

The main notes for this release are shown in Table 2-1.

Table 2-1 Notes for GOSAT-GW TANSO-3 Level 1 Products

	Description	Applicable Data																																		
1	Major parameters that switch according to observation time and their switching dates are shown below. <table> <tr> <th>Name</th><th>Cetegory</th><th>Parameter Switch Date (YYYYMMDDhhmmss)</th></tr> <tr> <td rowspan="9">Binning Map</td><td>Band1 / Wide</td><td>20251210000000</td></tr> <tr> <td>Band1 / Focus 1km</td><td>20251210000000</td></tr> <tr> <td>Band1 / Focus 2km</td><td>20251210000000</td></tr> <tr> <td>Band2 / Wide</td><td>20251210000000</td></tr> <tr> <td>Band2 / Focus 1km</td><td>20251210000000</td></tr> <tr> <td>Band2 / Focus 2km</td><td>20251210000000</td></tr> <tr> <td>Band3 / Wide</td><td>20251210000000</td></tr> <tr> <td>Band3 / Focus 1km</td><td>20251210000000</td></tr> <tr> <td>Band3 / Focus 2km</td><td>20251210000000</td></tr> <tr> <td rowspan="2">Defect Map 1</td><td>Band1</td><td>20251210000000 20260415000000</td></tr> <tr> <td>Band2</td><td>20251210000000 20260415000000</td></tr> <tr> <td rowspan="3">Average of Dark Frames</td><td>Band1</td><td>20251210000000 20260415000000</td></tr> <tr> <td>Band2</td><td>20251210000000 20260415000000</td></tr> <tr> <td>Band3</td><td>20260415000000</td></tr> </table>	Name	Cetegory	Parameter Switch Date (YYYYMMDDhhmmss)	Binning Map	Band1 / Wide	20251210000000	Band1 / Focus 1km	20251210000000	Band1 / Focus 2km	20251210000000	Band2 / Wide	20251210000000	Band2 / Focus 1km	20251210000000	Band2 / Focus 2km	20251210000000	Band3 / Wide	20251210000000	Band3 / Focus 1km	20251210000000	Band3 / Focus 2km	20251210000000	Defect Map 1	Band1	20251210000000 20260415000000	Band2	20251210000000 20260415000000	Average of Dark Frames	Band1	20251210000000 20260415000000	Band2	20251210000000 20260415000000	Band3	20260415000000	—
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Average of Dark Frames	Band1	20251210000000 20260415000000																																		
	Band2	20251210000000 20260415000000																																		
	Band3	20260415000000																																		
2	In the wavelength spectra in the Level 1 product, radiance may exhibit discontinuities in a sawtooth pattern depending on spatial segments. This phenomenon is inherent to the sensor design and may occur when radiance variations within a binning block are large, such as at cloud boundaries or land-sea boundaries. Users should take this into account when using the data. From V100.100, the coefficient of variation is stored as identification information for this phenomenon.	L1A /Band3/SoundingData/raw L1B /Band3/SoundingData/radiance																																		

3. Version History

The version history of GOSAT-GW TANSO-3 Level 1A and Level 1B products is shown in Tables 3-1 and 3-2.

Table 3-1 Version History(Level 1A)

Algorithm / Parameter Version	Date	Major Updates
V101.101	June 2026	Initial release

Table 3-2 Version History(Level 1B)

Algorithm / Parameter Version	Date	Major Updates
V101.101	June 2026	Initial release