









INSPECTION REPORT

Customer:
**Instituto de Astrofísica de
Andalucía**
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Ref.: WS-PVC5452-A	Project: SLICER MAAT	File nb: 24906
Date: 05 Jan. 2024	Title: Final control	Order n: -
Project manager: LAPERE, M. Vincent	Piece: Pupil mirror Reference: 23160-113-F208-A SN: -	

Applicable documents. : (drawing, documents...) Indicate the issue	Drawing n° 23160-113-F208-A
Distribution list: Files, Customer	Original: QA

Parameter	Specification	Results				
		1	2	3	4	5
Material	Silica	JS1 certificates in next pages				
Diameter	Ø25 ± 0.5 mm	24.99mm	-	-	-	-
Thickness	18 ± 0.5 mm	18.035mm	-	-	-	-
Flatness surface B	0.01 mm	Serve only to measure the Wedge				
Chamfers surface A	0.25 mm × 0.25 mm	OK	OK	OK	OK	OK
Chamfers surface B	0.25 mm × 0.25 mm	OK	OK	OK	OK	OK
Radius surface A	68.252 ± 0.07 mm	68.226mm	-	-	-	-
Clear aperture surface A	Ø18 mm	-				
Shape error surface A	30 nm RMS	3.6nmRMS	2.9nmRMS	3.2nmRMS	3.2nmRMS	4.8nmRMS
Wedge surface A	5 arcmin (0.04mm) / surface B	<0.01mm	<0.005mm	<0.01mm	<0.02mm	<0.02mm
Scratch and dig	20/10	OK	OK	OK	OK	OK
Roughness	<2 nm RMS	0.68	-	-	-	-
Compliance	-					

Control Result		Statement			
Compliant:	5 / 5	<input type="checkbox"/> under restriction	Accepted:	5 / 5	
Non-compliant:	0 / 5	Request for waiver ref.:	Refused:	0 / 5	
Observation:					
	Inspector	Project Manager	Quality Manager		
Name					
Date and Signature	20/02/2024  Maxime Lopez Inspector Signé par : mLopez	20/02/2024  Vincent LAPERE Project Manager Signé par : vlapere	21/02/2024  Richard Holowczak Quality Signé par : Holowczak Richard		

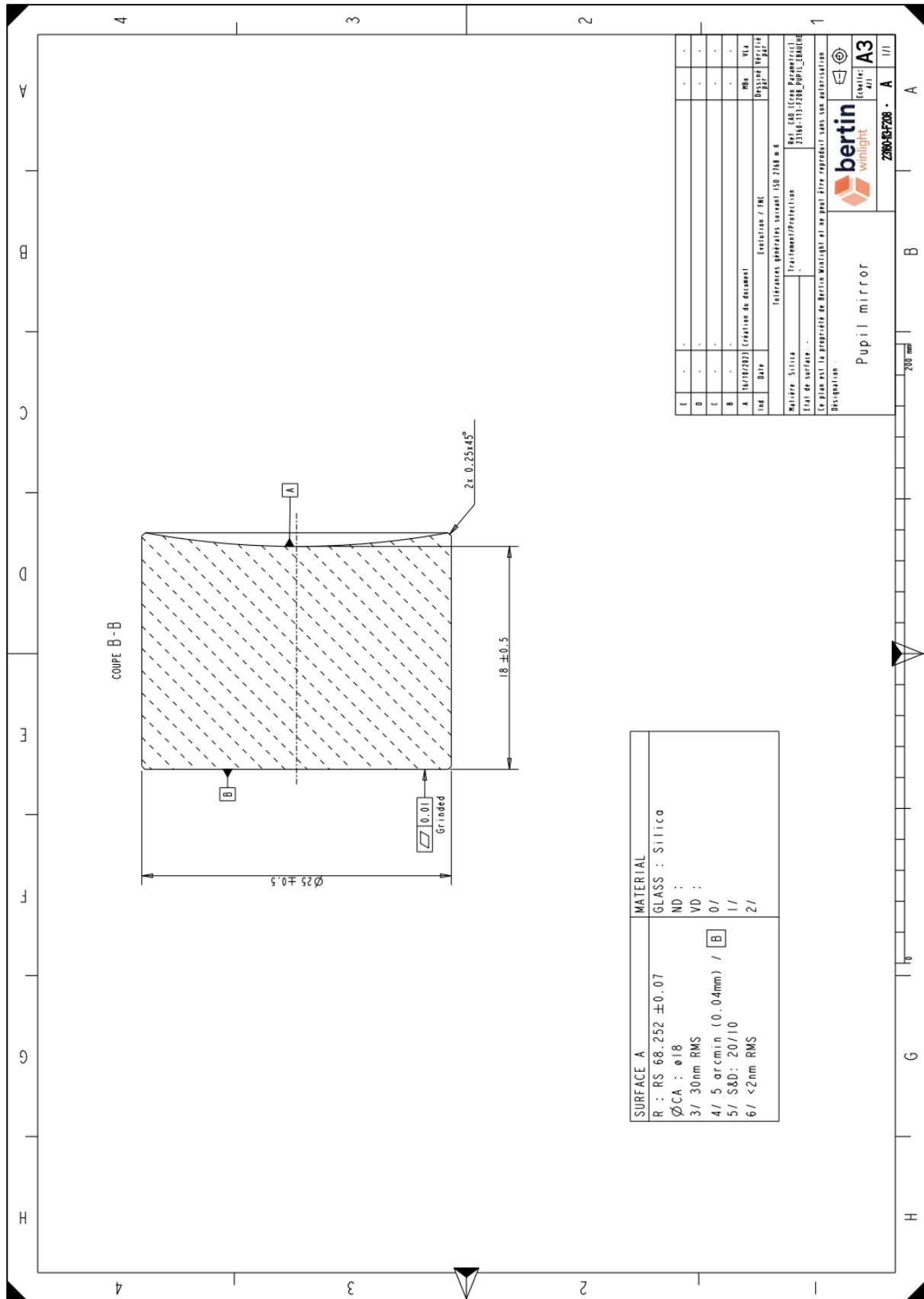
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Manufacturing drawing

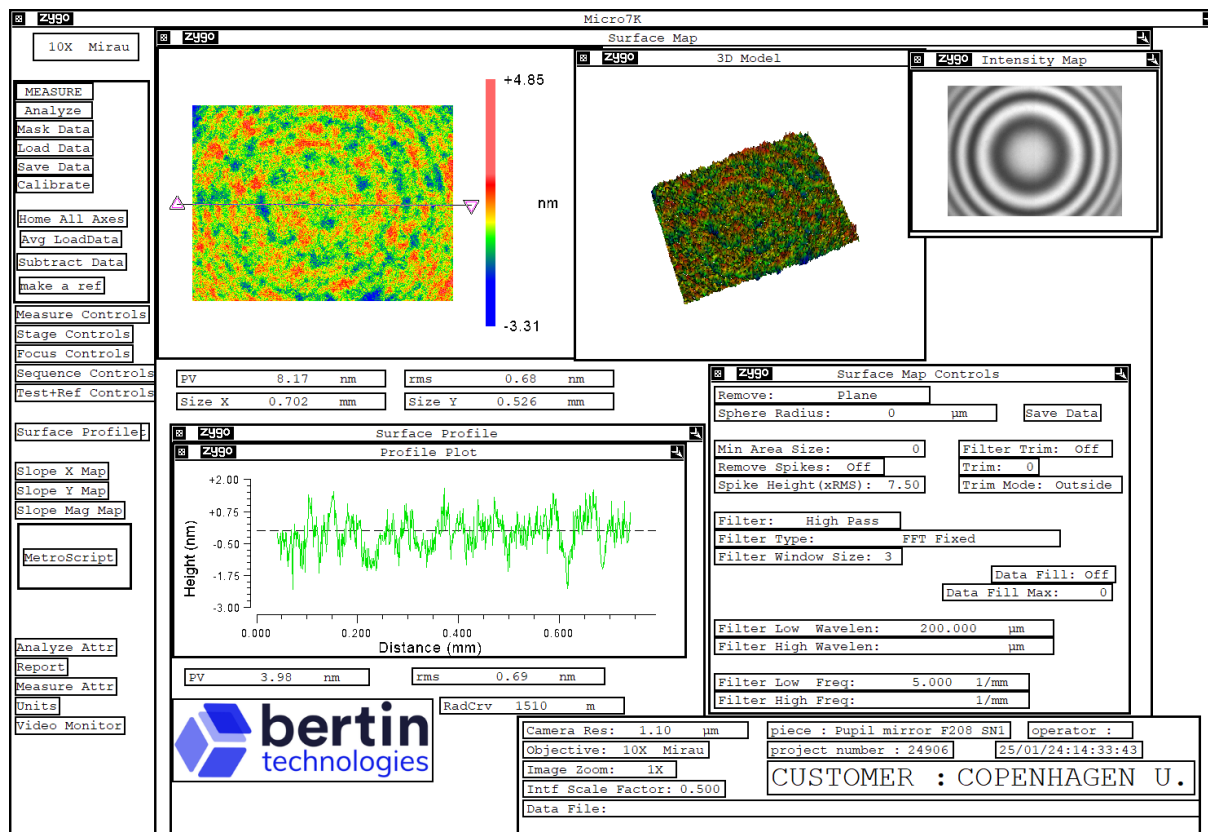
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Roughness SN1

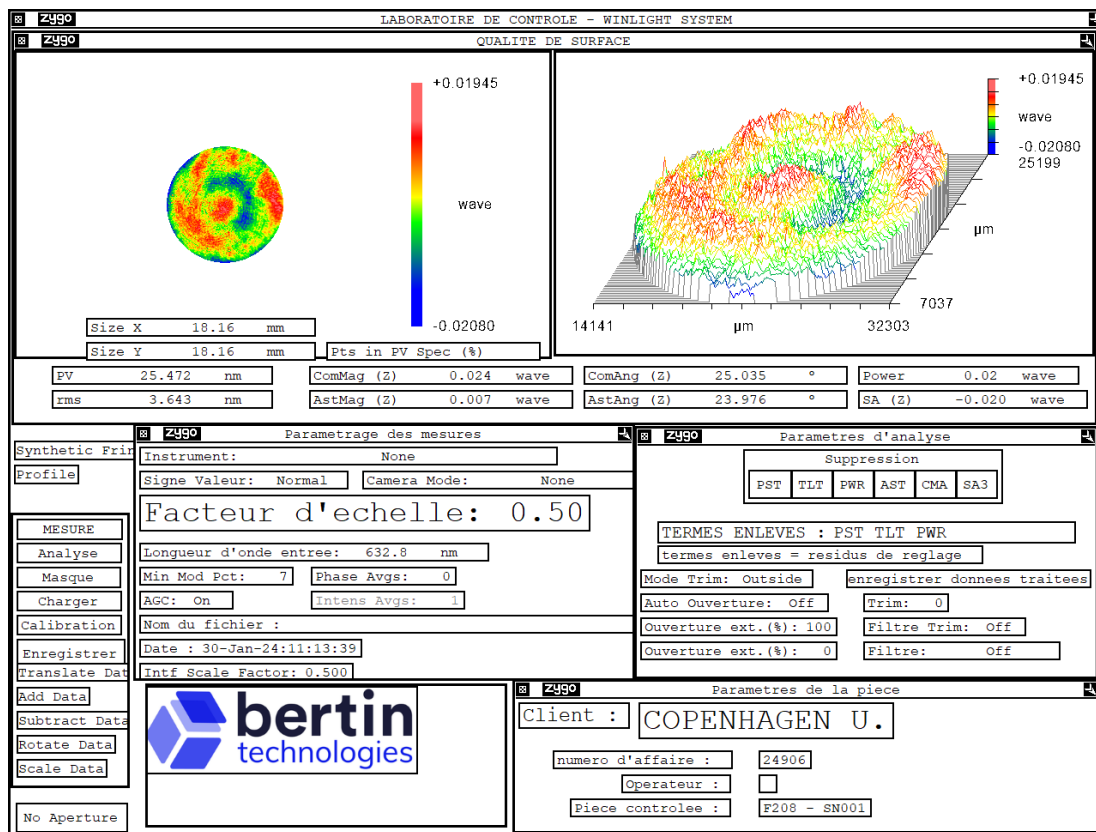
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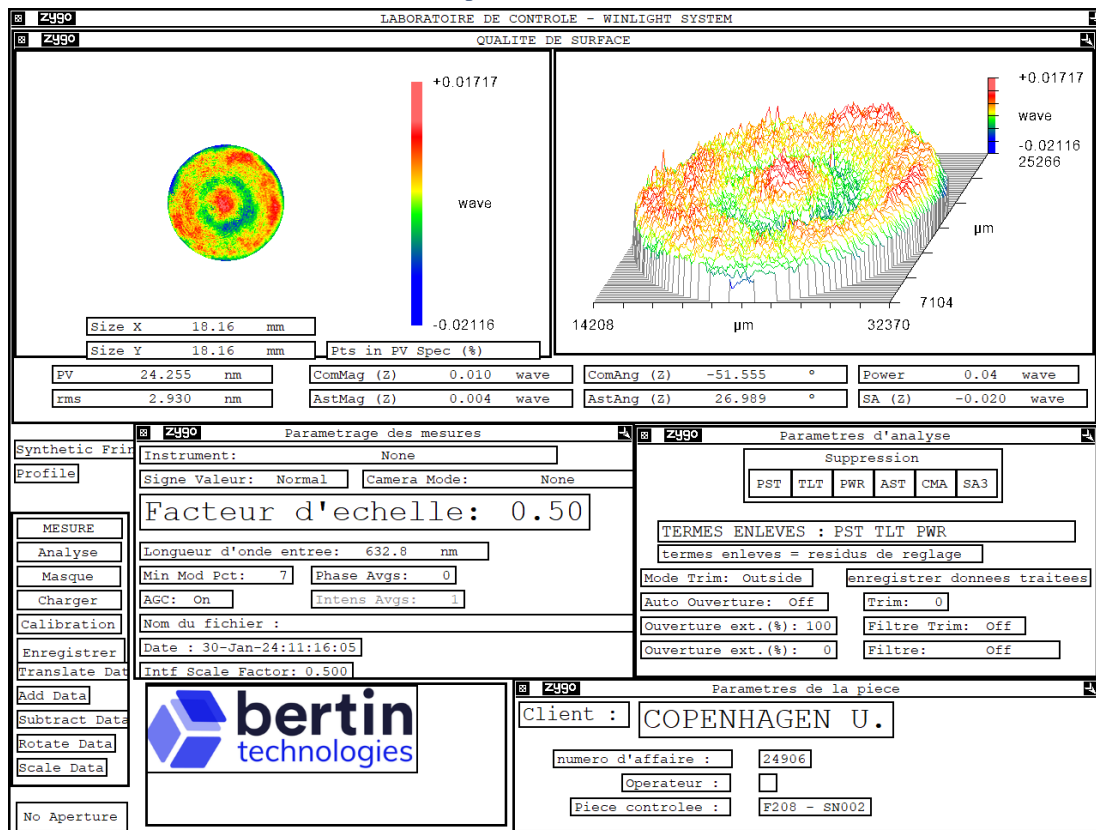
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Shape error surface SN1



Shape error surface SN2

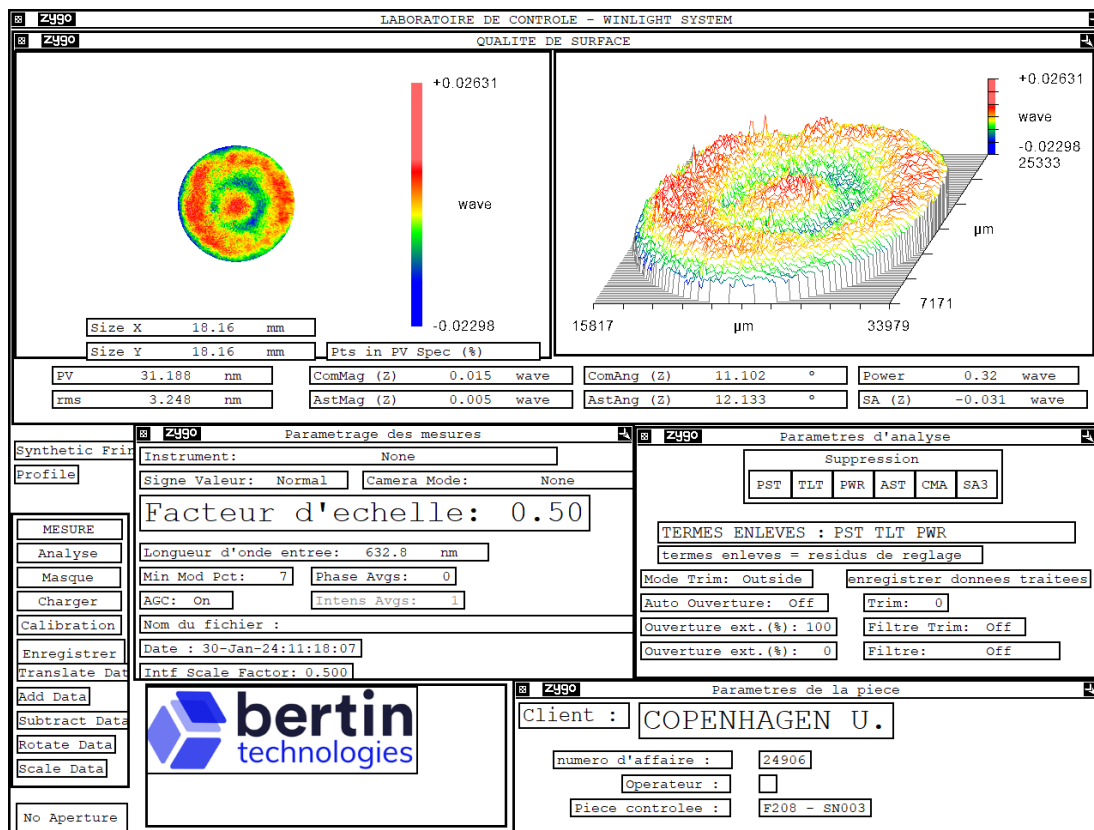
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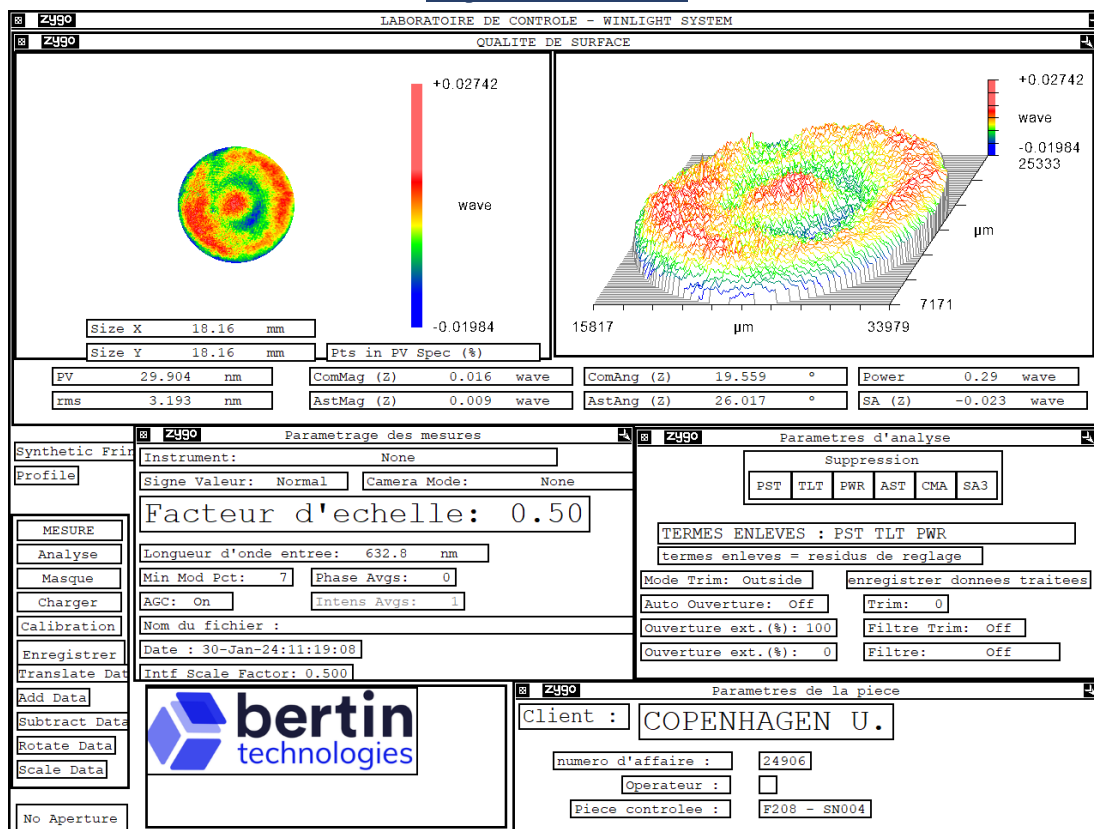
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Shape error surface SN3



Shape error surface SN4

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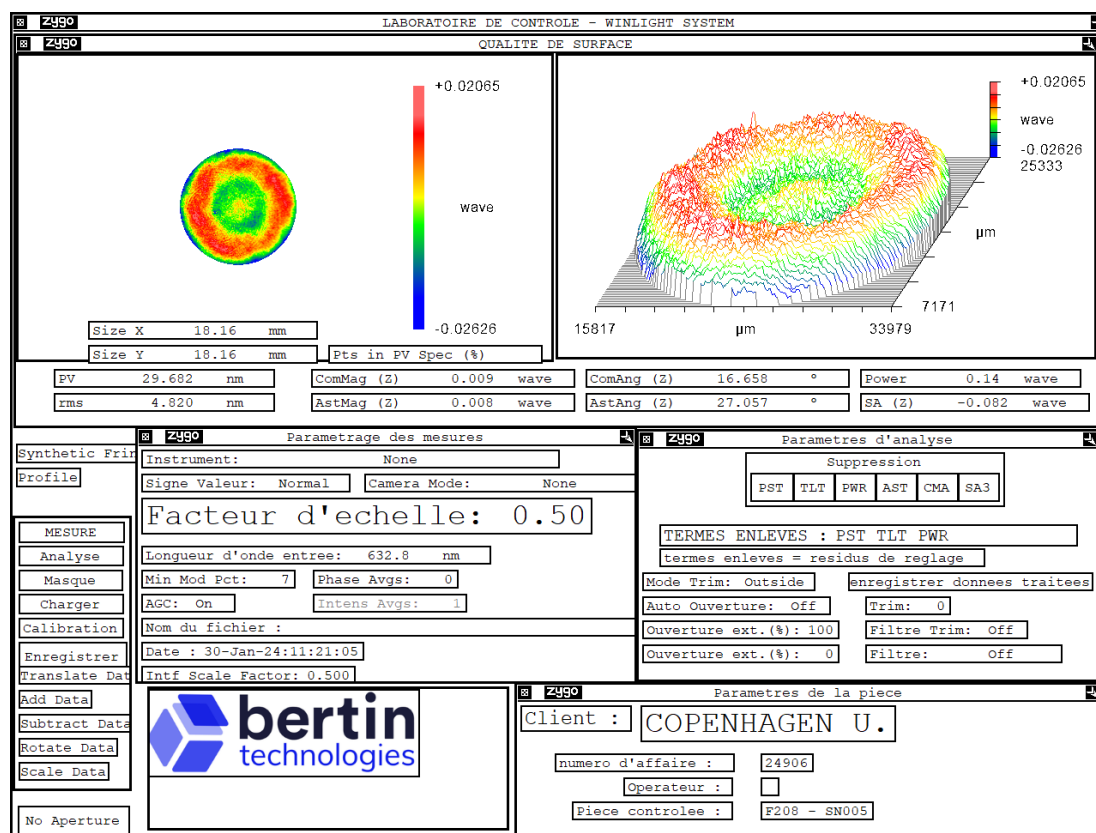
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Shape error surface SN5

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List of measuring tools:

Instrument n°	Instrument designation	Accuracy	Calibration validity date	Reference of the calibration report	Measurement tool used on
WX-APO001	Rugosimètre 7300 - Zygo NewView	$< \pm 0.1 \text{ Å RMS}$	13.04.24	WS-PVE354-B	25.01.24
WO-APO040	Pied à coulisse digital 150mm - 1	$\pm 10\mu\text{m}$	29.11.24	WS-PVE394-A	25.01.24
WX-APO067	MarCator 1086 R	Er. Ind. : $\pm 4\mu\text{m}$ Er. Rep. : $\pm 1\mu\text{m}$	09.05.24	WS-PVE317-A	25.01.24
WO-APO075	Luphoscan	See PV	22.07.24	WS-PVE412-A	26.01.24
WO-APO073	Interféromètre - ZYGO	PV- MEAN: 0.024λ / RMS - MEAN: 0.0034λ	24.03.24	C301-115	30.01.24
WO-APO069	Binoculaires Leica	$\pm 5\mu\text{m}$	09.07.24	WS-PVE356-A	06.02.24
WO-APO061	Lunette autocollimatrice Micro Control LC160 - 5	-	11.10.26	WS-PVE376-A	05.02.24