

# INSPECTION REPORT

Customer:  
**Astrofísica de Andalucía**

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Ref.: WS-PVC5450-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-F206-A SN: -	

Applicable documents. : (drawing, documents...) Indicate the issue	Drawing n° 23160-113-F206-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	18.026mm	-	-	-	-
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	77.599 ± 0.08 mm	77.551mm	-	-	-	-
Clear aperture surface A	Ø18 mm	-				
Shape error surface A	30 nm RMS	6.4nmRMS	6.2nmRMS	6.7nmRMS	6.4nmRMS	7.9nmRMS
Wedge surface A	5 arcmin (0.04mm) / surface B	<0.01mm	<0.01mm	<0.01mm	<0.02mm	<0.01mm
Scratch and dig	20/10	OK	OK	OK	OK	OK
Roughness	<2 nm RMS	0.59	-	-	-	-
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	20/02/2024	21/02/2024	
	<div>X Maxime Lopez</div>	<div>X Vincent LAPERE</div>	<div>X Richard Holowczak</div>	
	Inspector	Project Manager	Quality	
	Signé par : mLopez	Signé par : vlapere	Signé par : Holowczak Richard	

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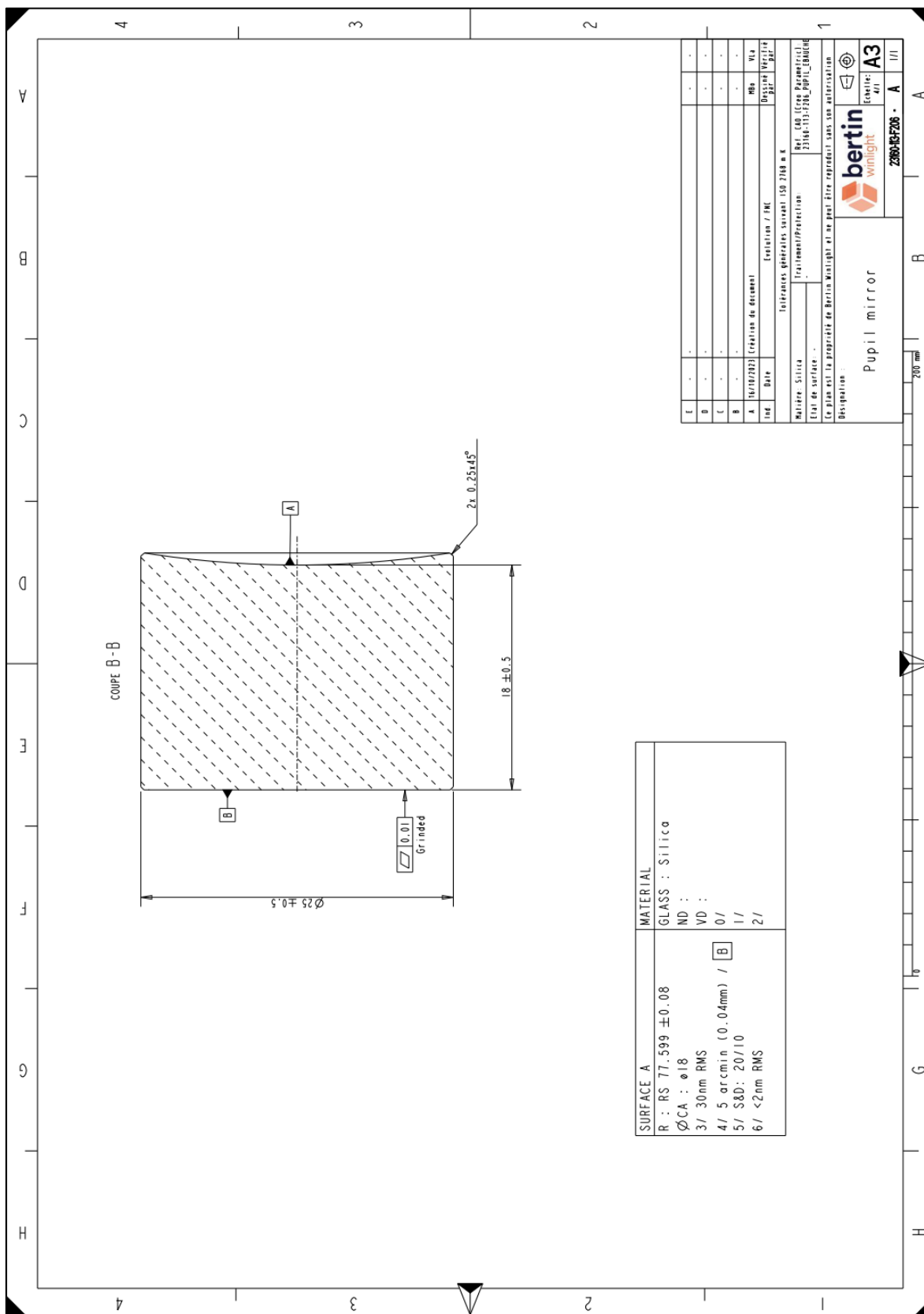
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Manufacturing drawing

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**受控**  
秦皇岛耀华石英科技发展有限公司  
产品合格证

2021 年 12 月 30 日

No: YHSF-JL-ZL-008-A/0

编号批次	29075078	牌 号	JG51
规 格	尺寸公差	垂 直 度	数 量
材料8级料			2849kg
双 折 射		气泡度及包裹体	
条 纹		光学均匀性	
折 射 率		色 散 系 数	
光谱透过率	波长		
	T		

产品执行标准: JC/T185-2013《光学石英玻璃》

检验:



审核:

苏向阳

**Feihua 菲利华**  
股票代码: 300395

## F-HUV6/F-HUV7 合成硅检验报告

## F-HUV6/F-HUV7 Fused silica ingot inspection report

订单号 Order number: BN20230541-03

客户: 上海琰颖光电设备有限公司

Customer: Shanghai Bright Photonics Co., Ltd

材料编号 Material number	S2304209
材料批次 Material batch	SF230216
生产时间 Production date	2023.04
尺寸 Size	Φ680-630*700mm
重量 Weight	410kg
内质等级 Internal quality grade	二级 Second grade e
透过率 Transmission	200nm > 85%
缺陷描述 Defect description	边泡深 40mm Oen circle of edge bubbles, depth 40mm
外径等级 OD uniformity grade	二级 Second grade
用途 Application	光学 Optics

检验员 Inspector: 易沙 Yi Sha

日期 Date: 2023.5.26

检验报告不得自行复印, 复印件无效

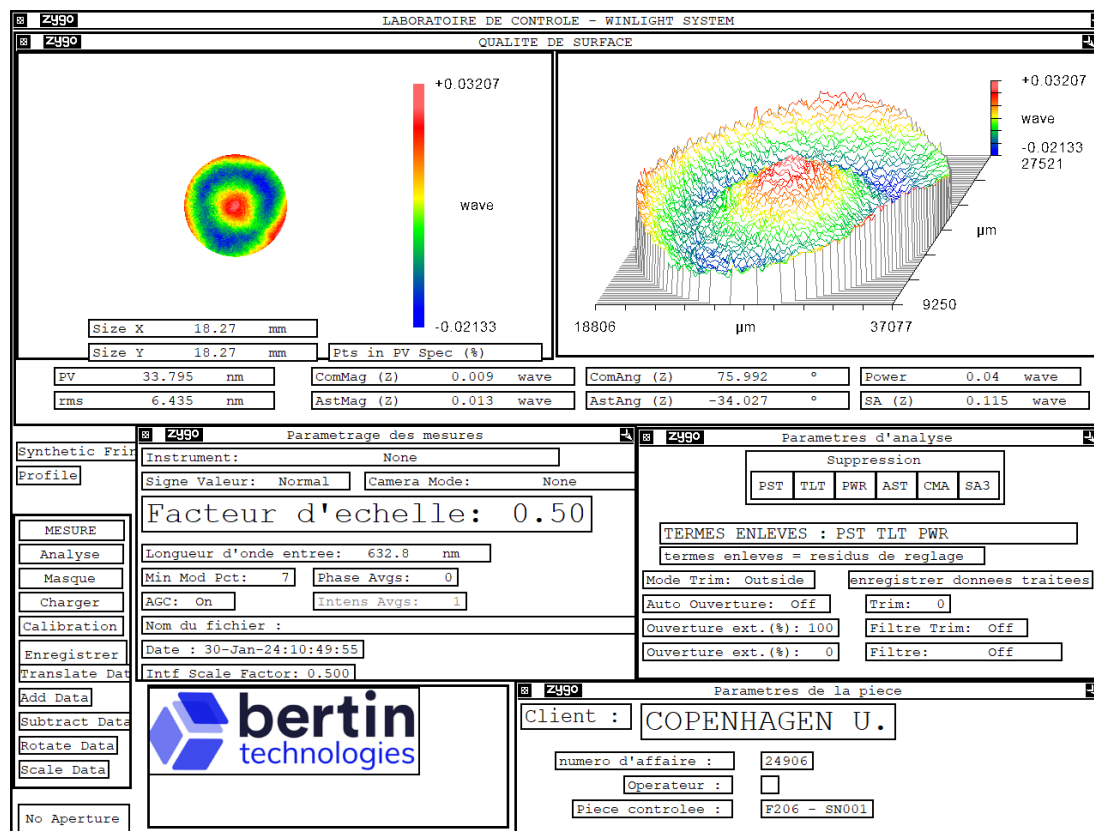
[Material certificate](#)



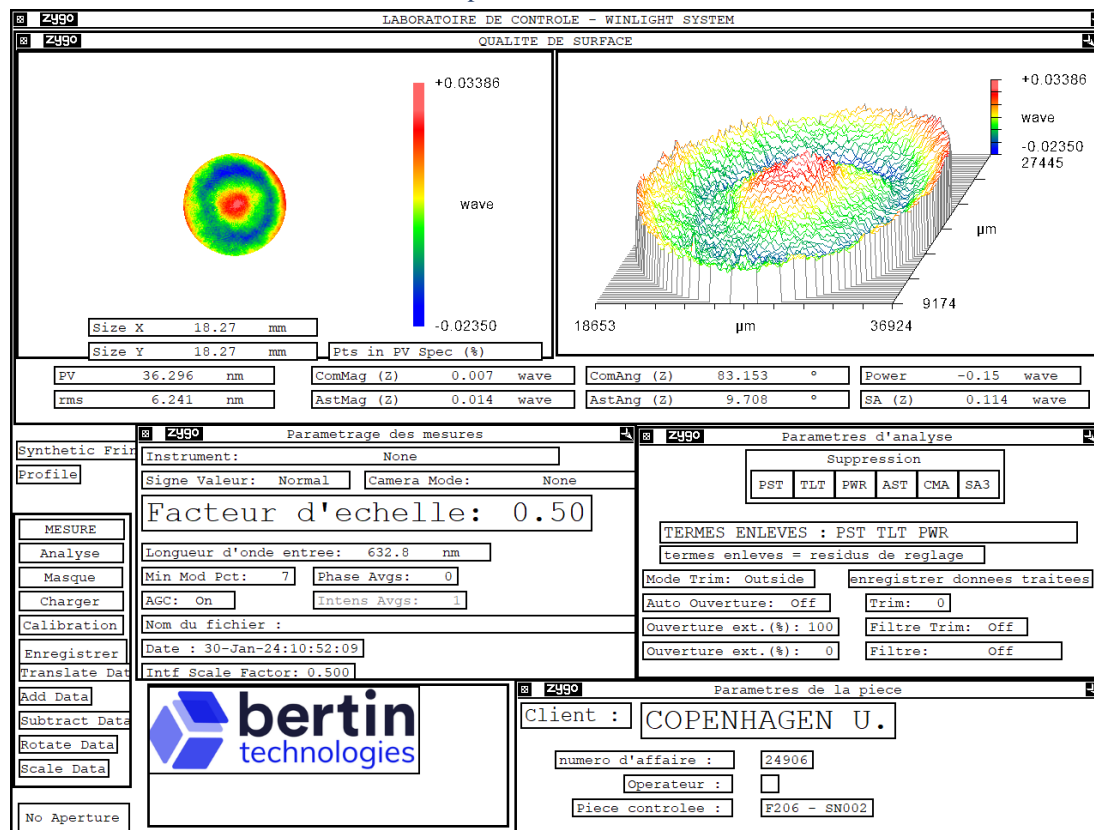
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Shape error surface SN1

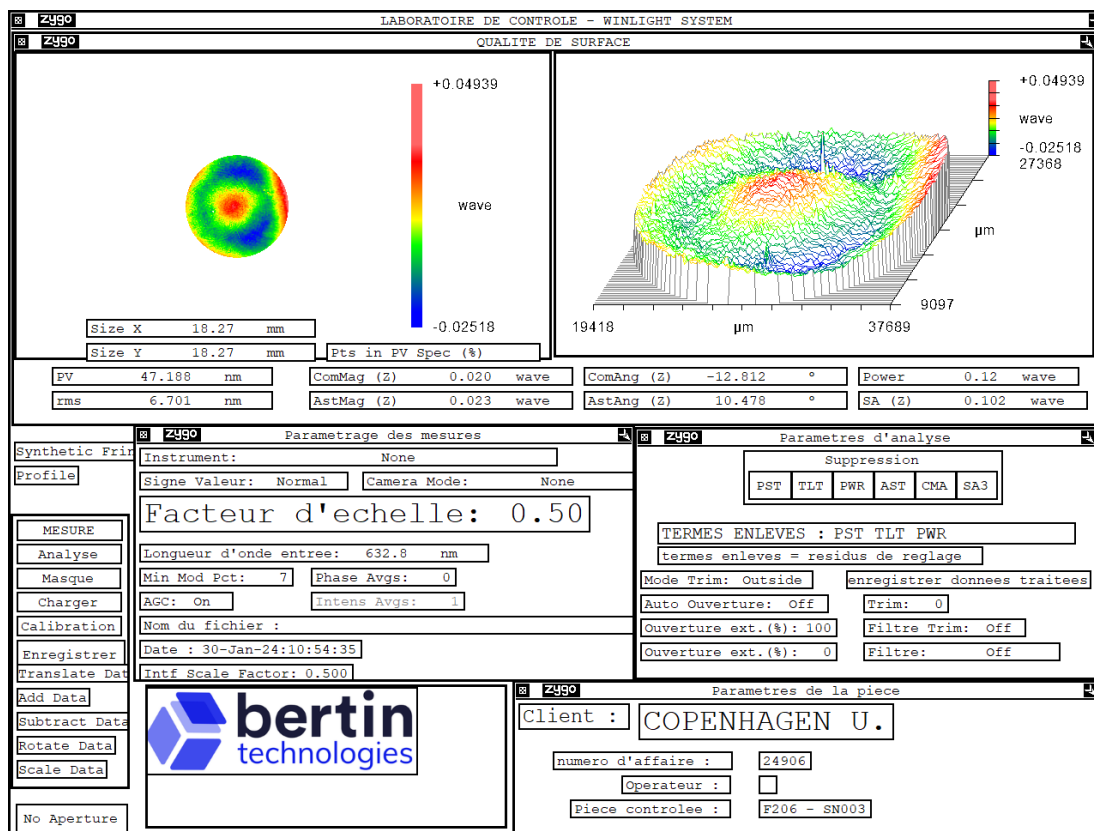


Shape error surface SN2

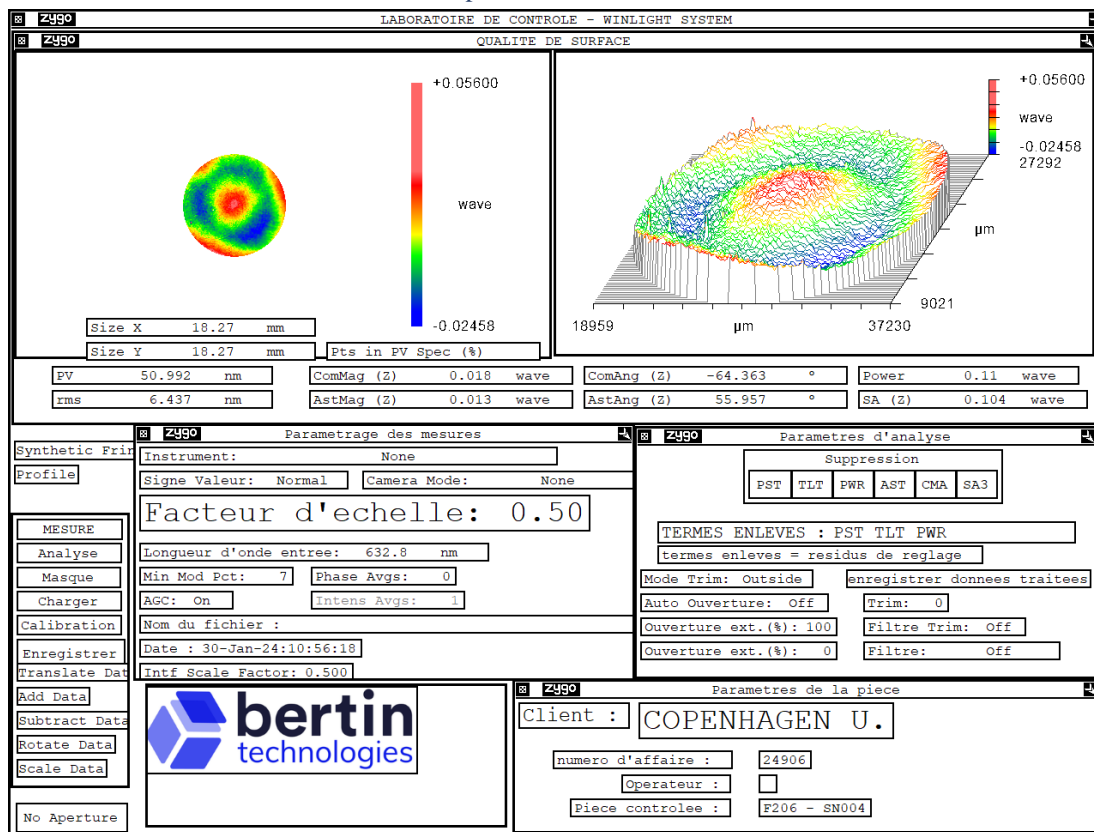
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Shape error surface SN3



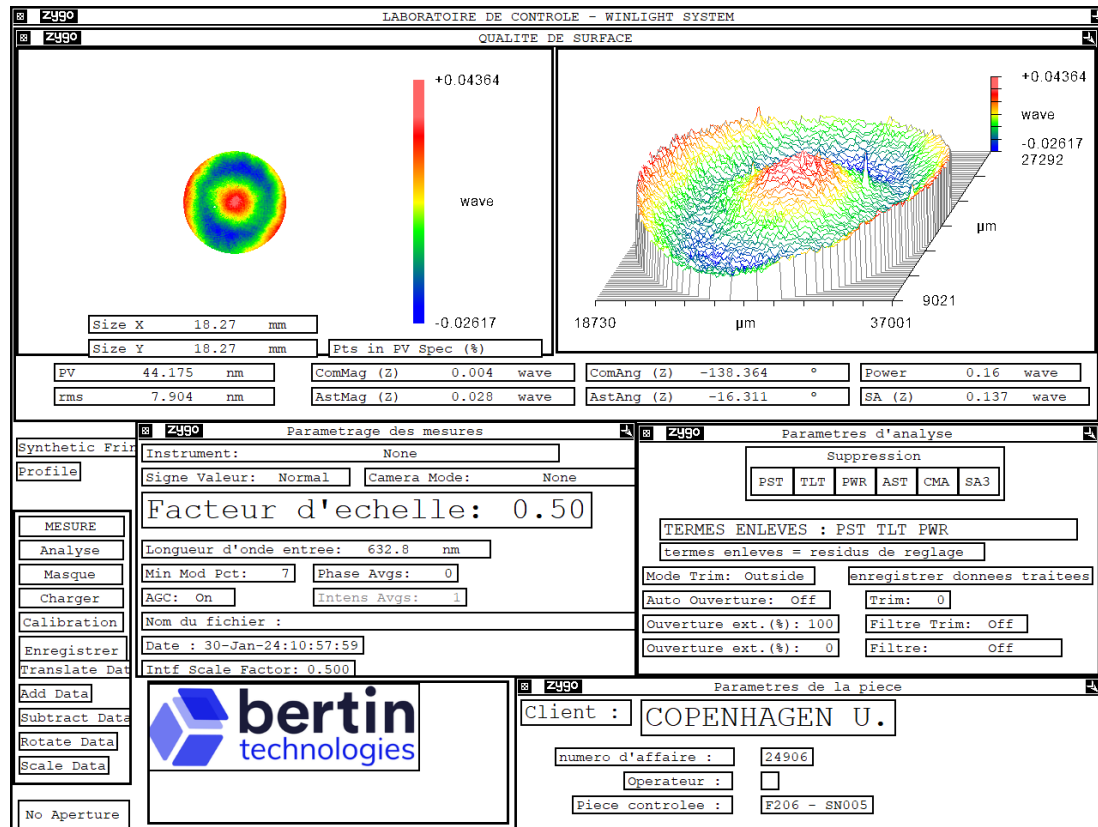
Shape error surface SN4



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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	$< \pm 0.1 \text{ \AA RMS}$	13.04.24	<a href="#">WS-PVE354-B</a>	25.01.24
WO-APO040	Pied à coulisse digital 150mm - 1	$\pm 10\mu\text{m}$	29.11.24	<a href="#">WS-PVE394-A</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	<a href="#">WS-PVE317-A</a>	25.01.24
WO-APO075	Luphoscanner	See PV	22.07.24	<a href="#">WS-PVE412-A</a>	26.01.24
WO-APO073	Interféromètre - ZYGO	PV- MEAN: $0.024\lambda$ / RMS - MEAN: $0.0034 \lambda$	24.03.24	<a href="#">C301-115</a>	02.02.24
WO-APO069	Binoculaires Leica	$\pm 5\mu\text{m}$	09.07.24	<a href="#">WS-PVE356-A</a>	06.02.24
WO-APO061	Lunette autocollimatrice Micro Control LC160 - 5	-	11.10.26	<a href="#">WS-PVE376-A</a>	05.02.24