



DRONE-BASED PAPI CALIBRATION

It's Easier Than You Think



WWW.AIROTEC.PL

CONFIDENCE













PANSA flight inspection aircraft "Papuga"



Do you trust
it?



Electronic PLUS+

WYLER

3.50°



ON/MODE



ENTER-HOLD



EST

LUTE

FIVE

BASE

O

T



PAPI Unit D



Electronic PLUS+

WYLER

3.50°



ON/MODE



ENTER-HOLD



EST

LUTE

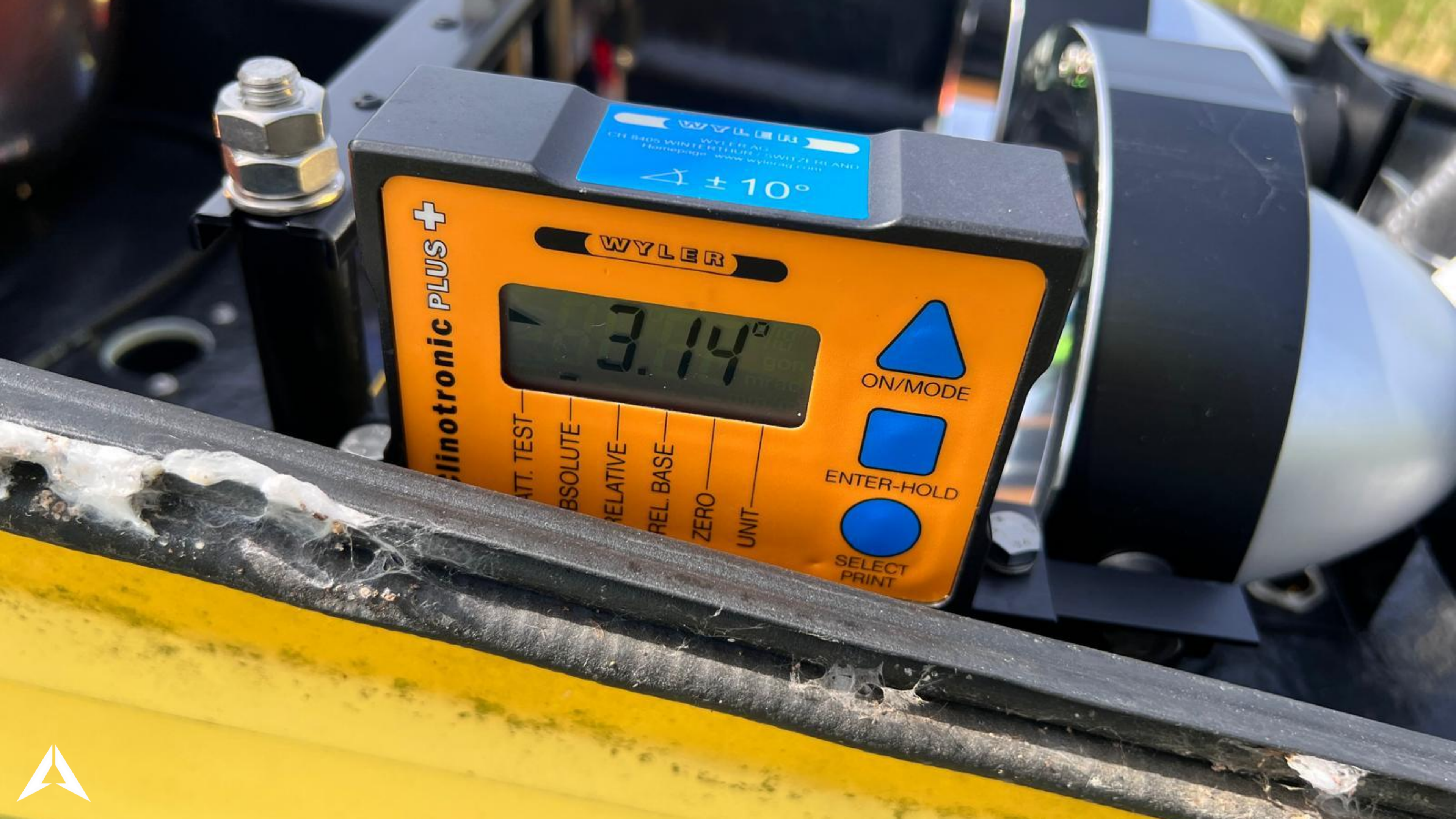
FIVE

BASE

O

T





WYLER AG
CH-8405 WINTERTHUR / SWITZERLAND
Homepage: www.wyler.ch
 $\pm 10^\circ$

Clinotronic PLUS+

WYLER

3.14°

ATT. TEST
ABSOLUTE
RELATIVE
REL. BASE
ZERO
UNIT



ON/MODE



ENTER-HOLD



SELECT
PRINT





PROOF



Electronic PLUS+

WYLER

3.50°



ON/MODE



ENTER-HOLD



EST

LUTE

FIVE

BASE

O

T



DEFI[®]

DRONE-BASED VISUAL
AIDS INSPECTION



| ICAO



Drone-based PAPI calibration

Single PAPI aiming (*vertical angle*)



Drone-based PAPI calibration

Single PAPI aiming (*vertical angle*)

Single PAPI optical transition zone (*horizontal leveling*)



Drone-based PAPI calibration

Single PAPI aiming (*vertical angle*)

Single PAPI optical transition zone (*horizontal leveling*)

Single PAPI transition sequence (*halogen lamps*)



Drone-based PAPI calibration

Single PAPI aiming (*vertical angle*)

Single PAPI optical transition zone (*horizontal leveling*)

Single PAPI transition sequence (*halogen lamps*)

Glide Path Angle



Drone-based PAPI calibration

Single PAPI aiming (*vertical angle*)

Single PAPI optical transition zone (*horizontal leveling*)

Single PAPI transition sequence (*halogen lamps*)

Glide Path Angle

and at last... **Immediate post-adjustment verification**



PREVIEW



92 / 144

2.32° 2.39° 2.47° 2.55° 2.65° 2.74° 2.86° 3.01° 3.12° 3.28° 3.45° 3.62° 3.79°





STEP 1

VERTICAL

PAPi: PAPI 24



STEP 2

Source Files

done



STEP 3

Data Processing

done



STEP 4

Data Plots

active



STEP 5

Summary

pending



Verify color change angles of PAPI lamps

CONTINUE

PREVIEW



1/144



2.28°

2.39°

2.47°

2.55°

2.65°

2.74°

2.86°

2.98°

3.12°

3.28°

3.45°

3.62°

3.79°

LUMINANCE



LUMINANCE



LUMINANCE



LUMINANCE



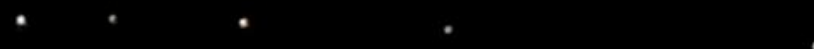


RISK



RISK is invisible





Summary

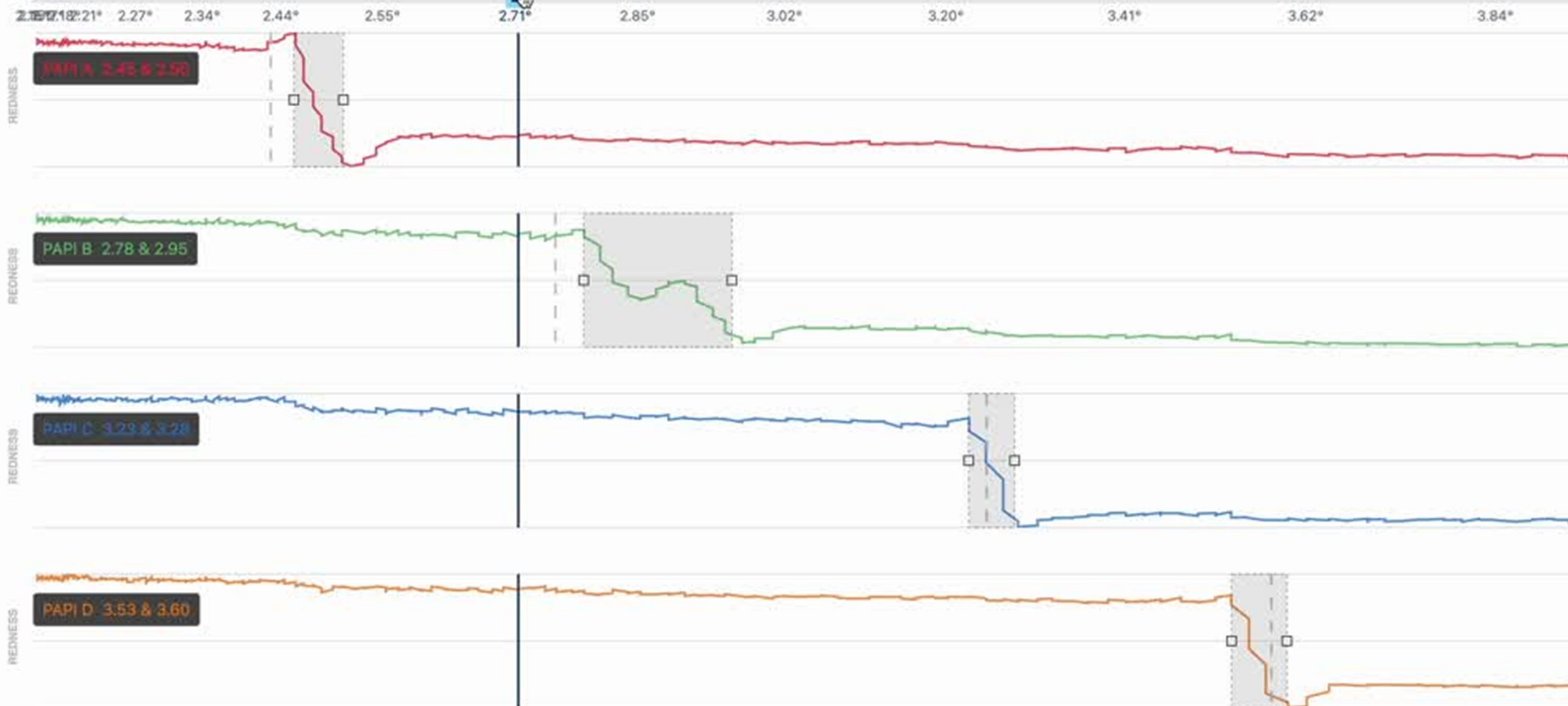
Photos

Plots

PREVIEW



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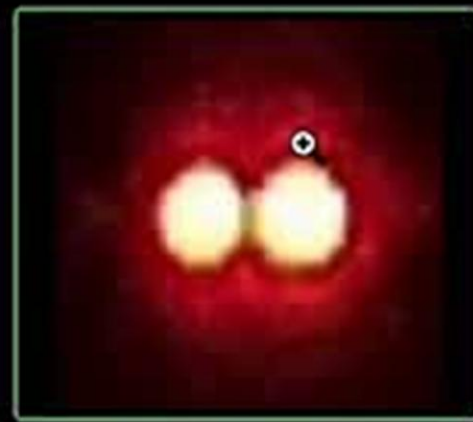


Summary

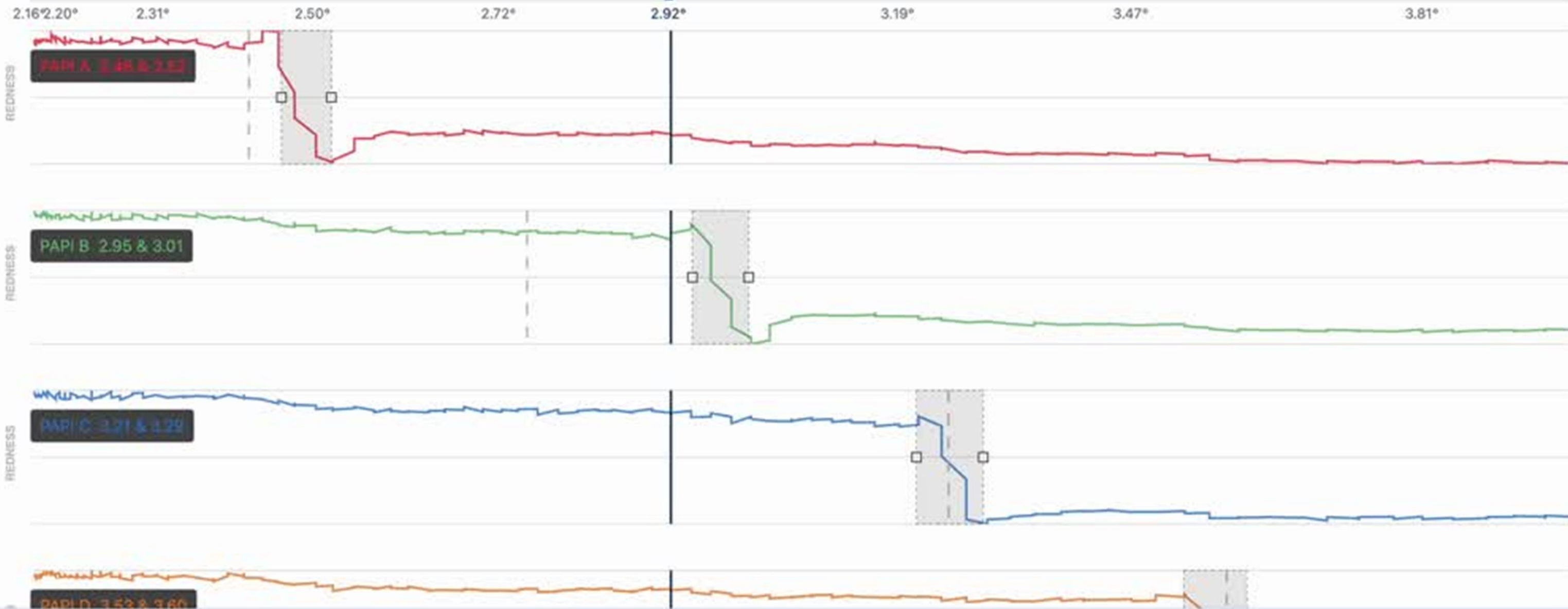
Photos

Plots

PREVIEW



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Summary

Photos

Plots

PREVIEW



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22288° 2.32° 2.39° 2.47° 2.55° 2.65° 2.74° 2.86° 2.98° 3.12° 3.28° 3.45° 3.62° 3.79°





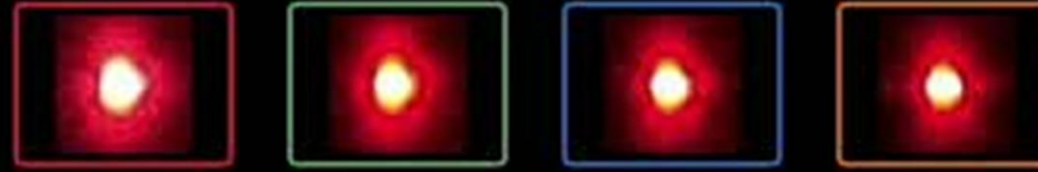


Summary

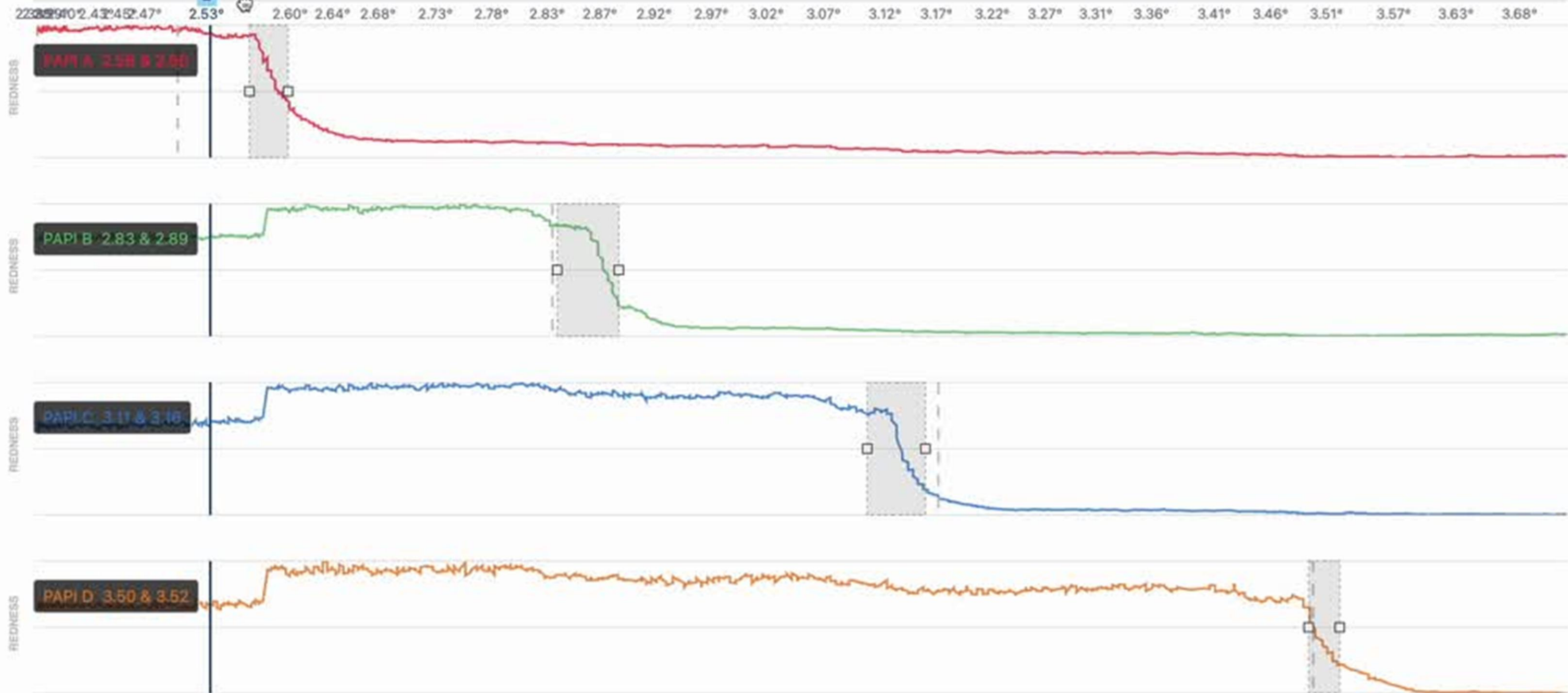
Photos

Plots

PREVIEW



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Summary

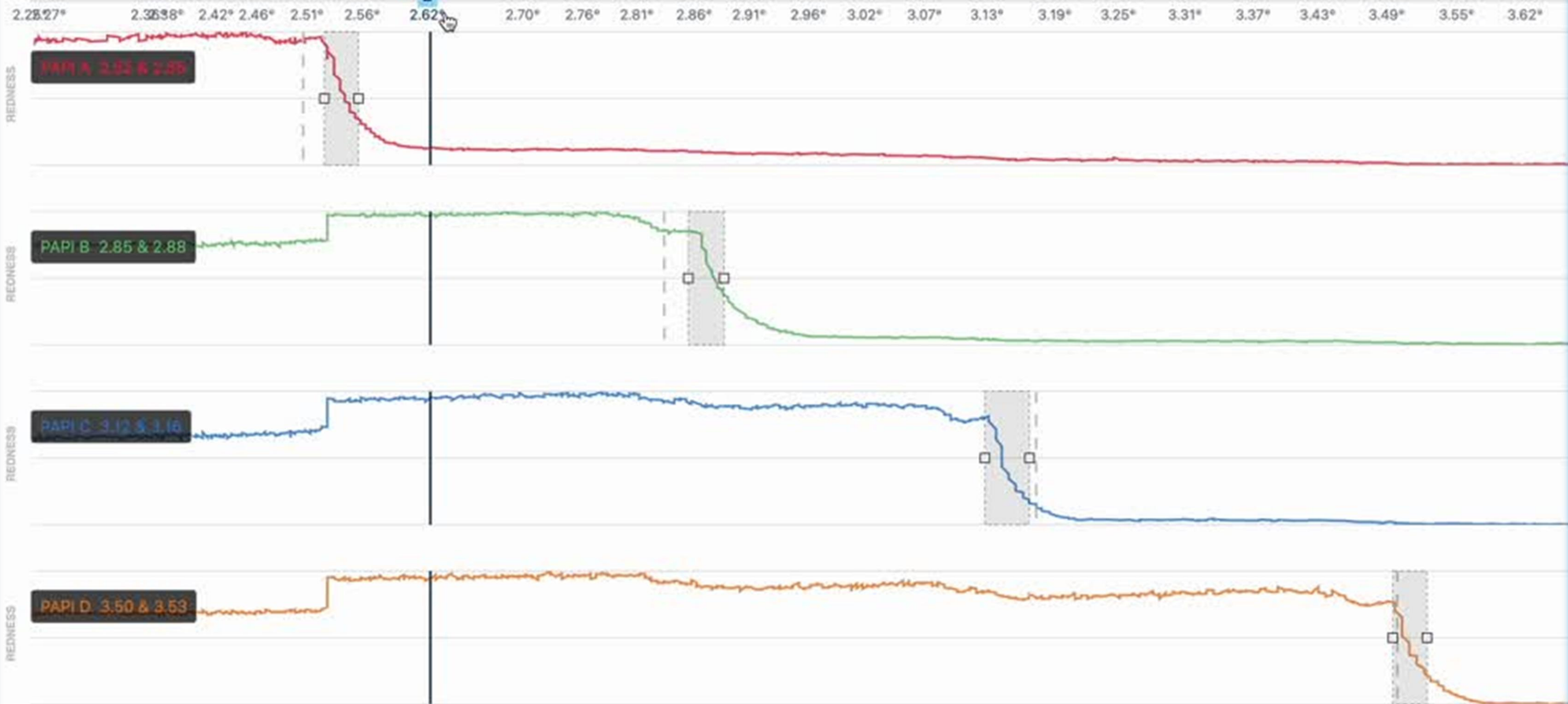
Photos

Plots

PREVIEW



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Summary

Photos

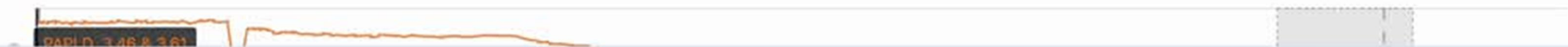
Plots

PREVIEW



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2.08° 2.18° 2.25° 2.32° 2.40° 2.49° 2.59° 2.71° 2.82° 2.95° 3.08° 3.22° 3.36° 3.51° 3.66°

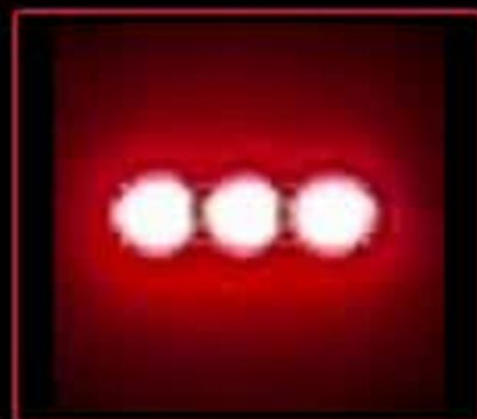


Summary

Photos

Plots

PREVIEW



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1.96°

2.08°

2.25°

2.43°

2.60°

2.78°

2.97°

3.15°

3.34°

3.52°

3.71°

3.89°

4.08°

4.27°

PAP A 2.38 & 2.43

PAP B 2.62 & 2.78

PAP C 3.08 & 3.33

PAP D 3.47 & 3.65

REDNESS

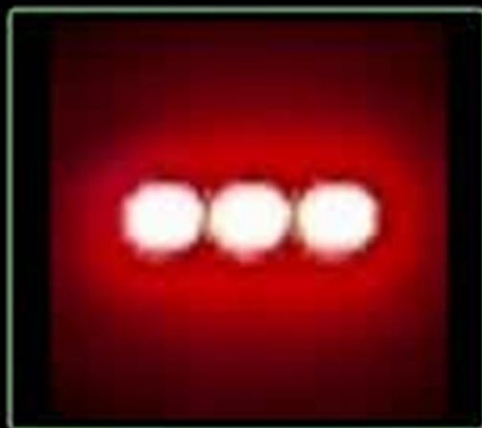
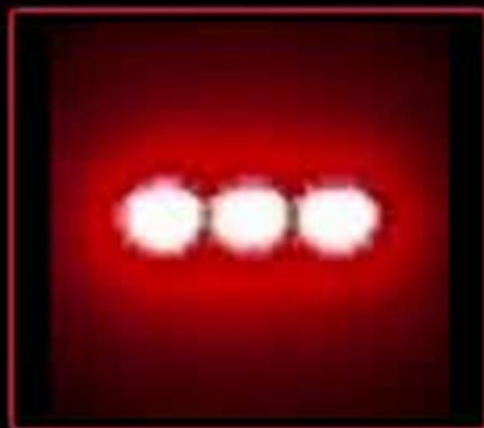
REDNESS

REDNESS

REDNESS



PREVIEW



⊖ 1/152 ⊕

2.02° 2.15° 2.30° 2.45° 2.60° 2.75° 2.91° 3.07° 3.25° 3.44° 3.62° 3.81° 3.99° 4.17° 4.27°





**Try it for
yourself**



CONFIDENCE



Thank you



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Meet our team at Stand no: **B5-1770**

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