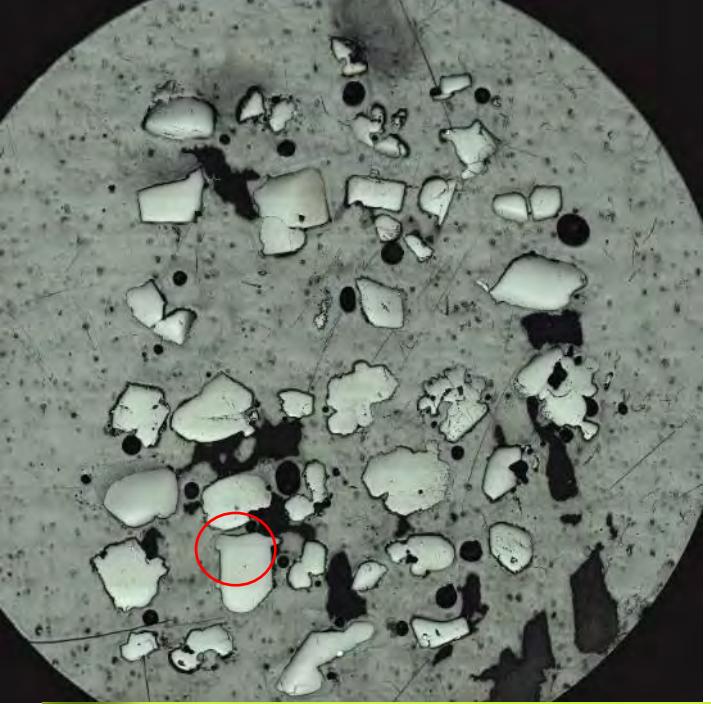


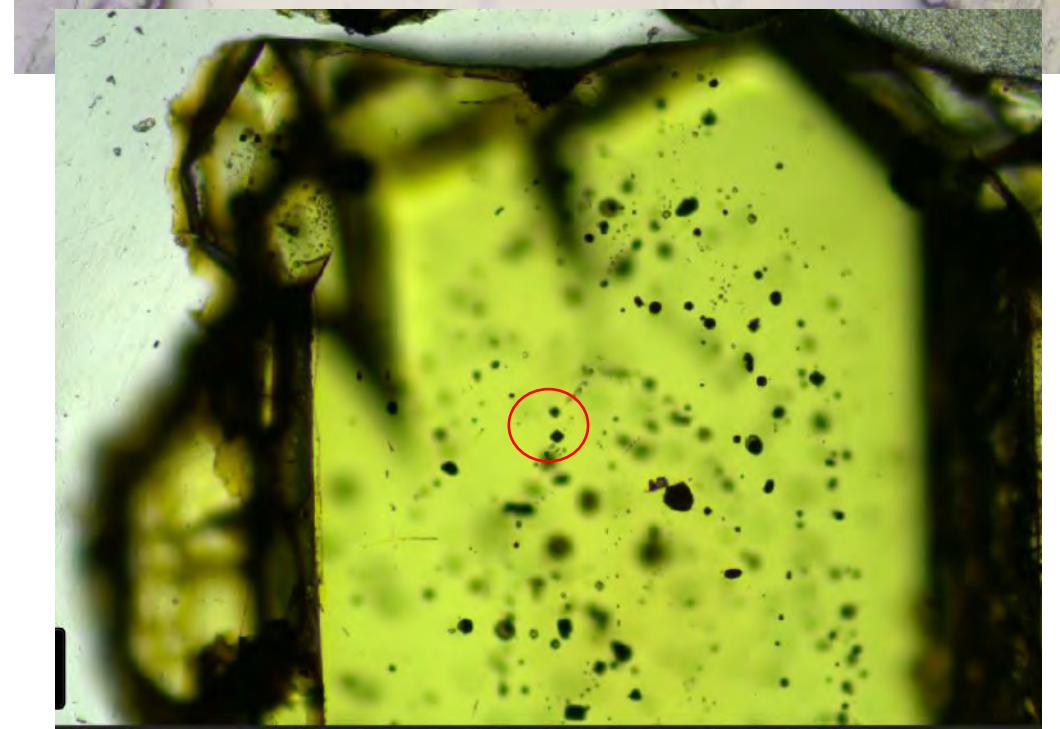
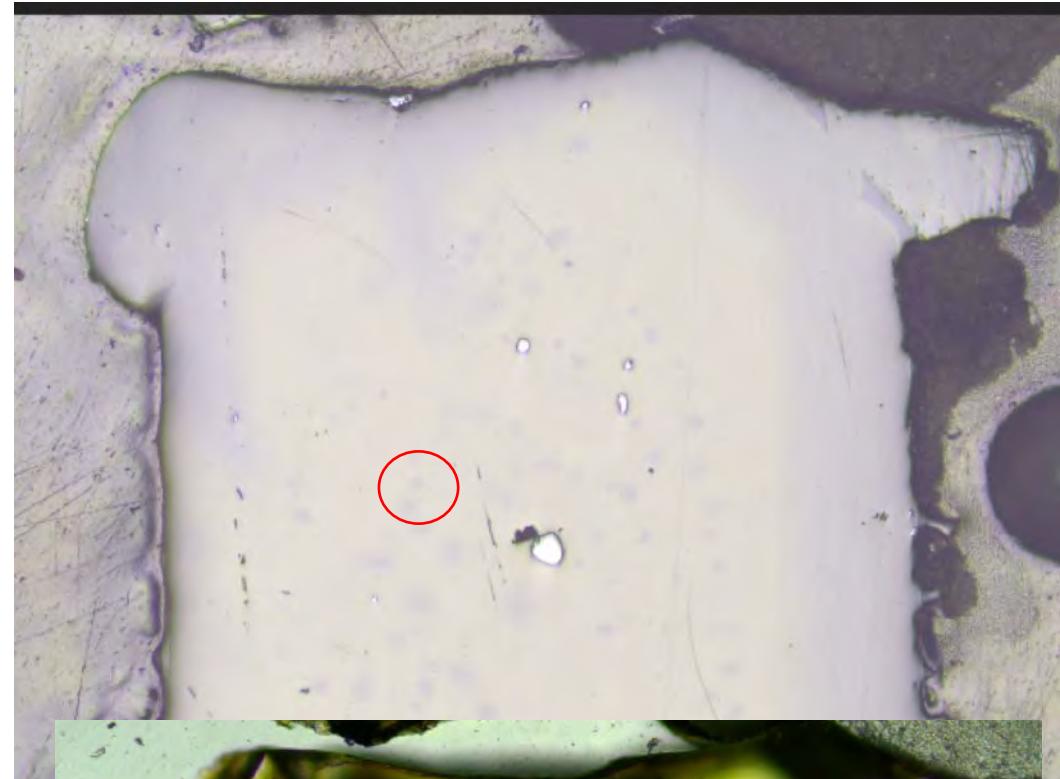
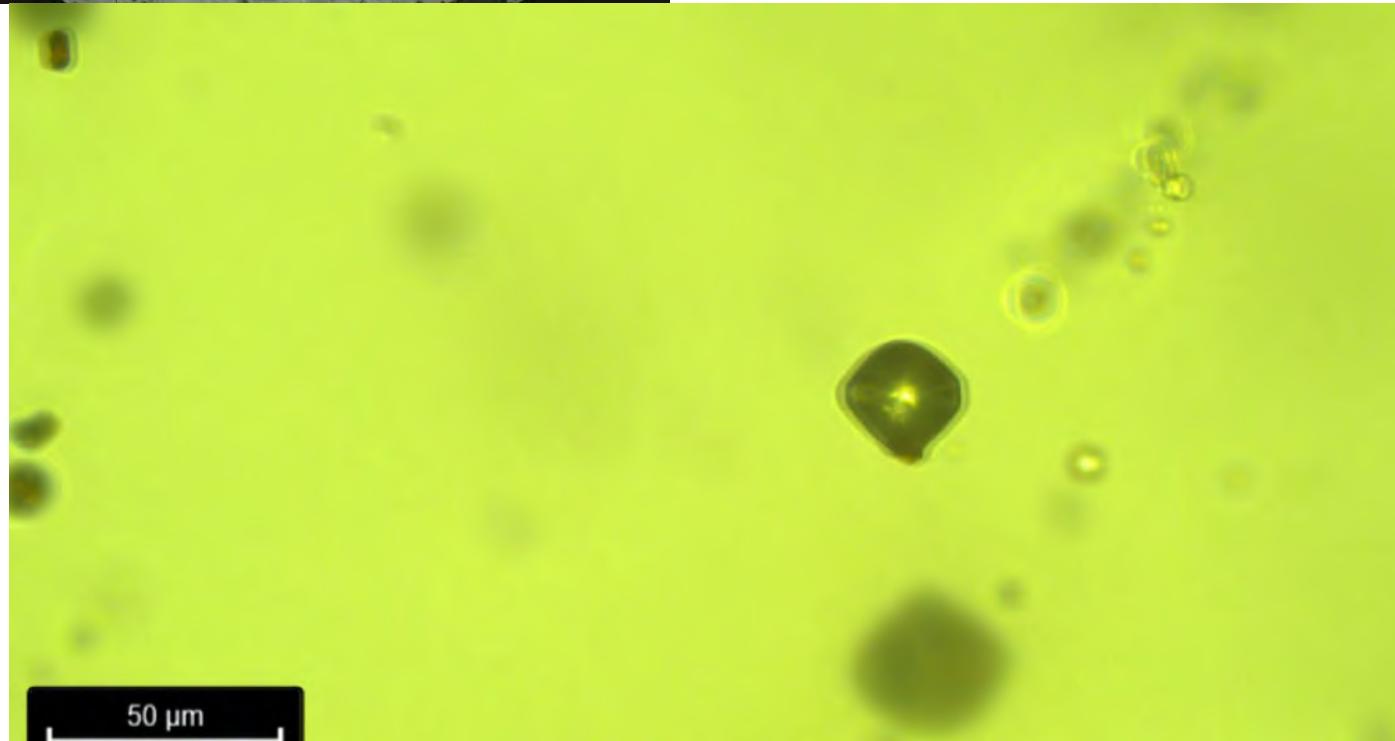
- This powerpoint shows images of each fluid inclusion. The scale of the image is defined by the dimensions overlain.
- It is separated by analysis date, so the fluid inclusions can be linked to the Raman files in future.

# Folder: 16\_10\_2022\_FI\_only

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

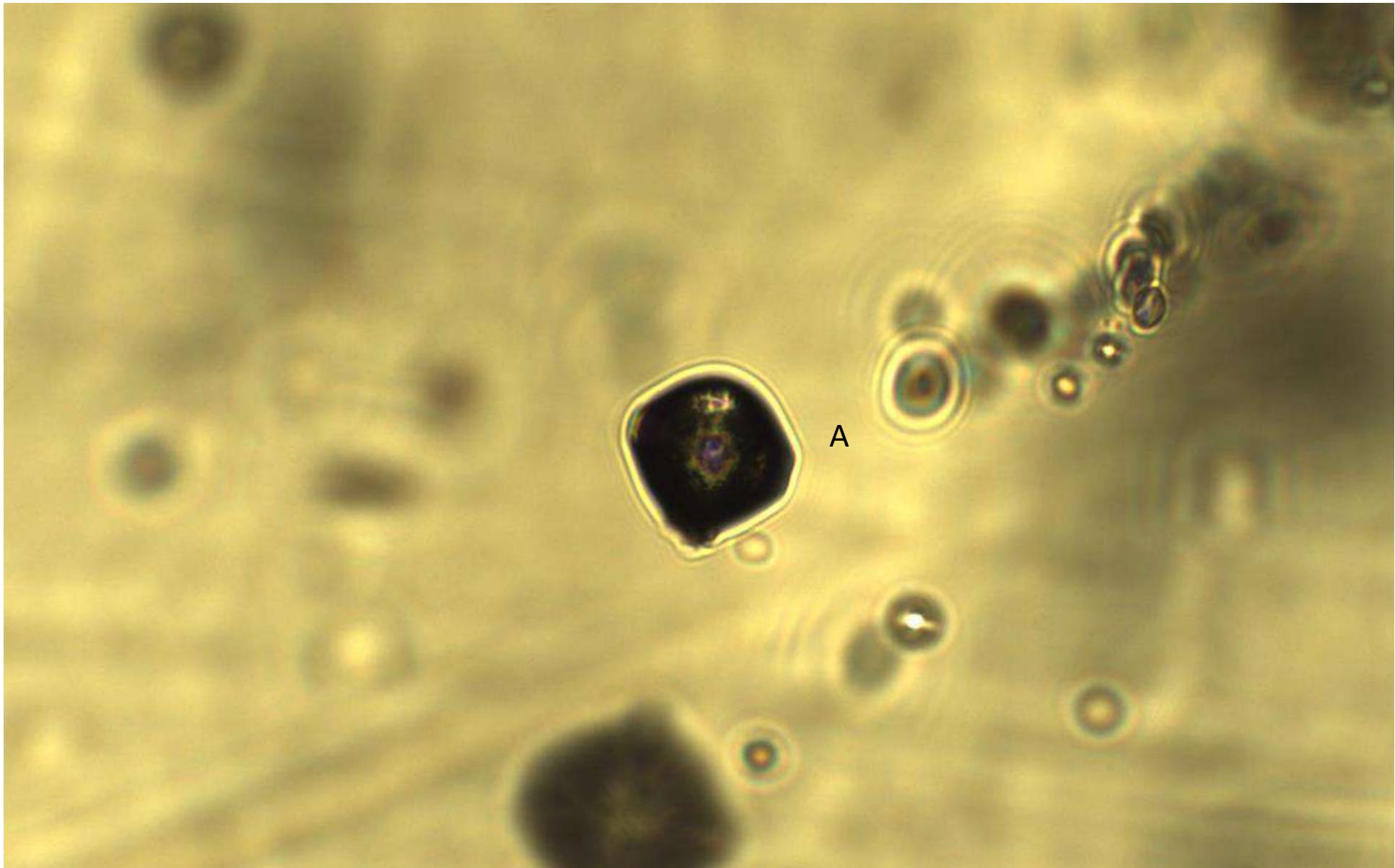


MP2\_3\_FIA

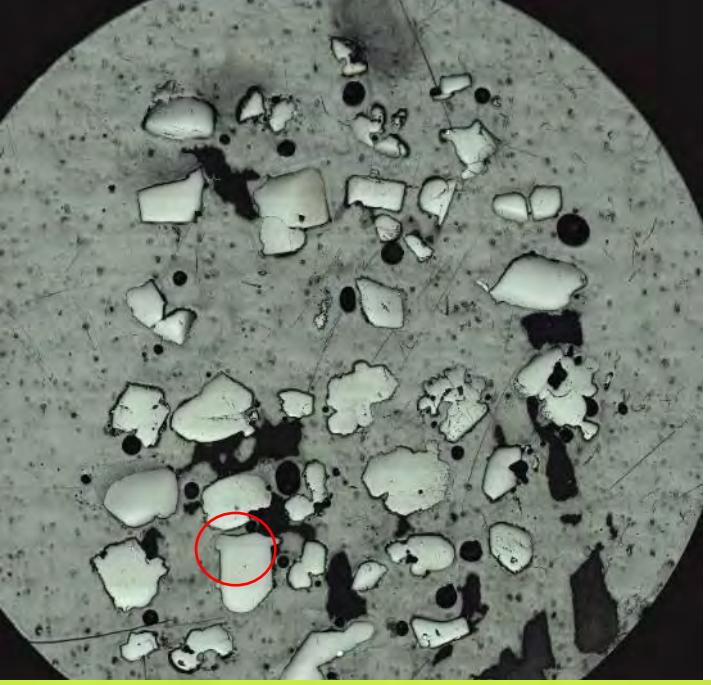


MP2\_3\_FIA

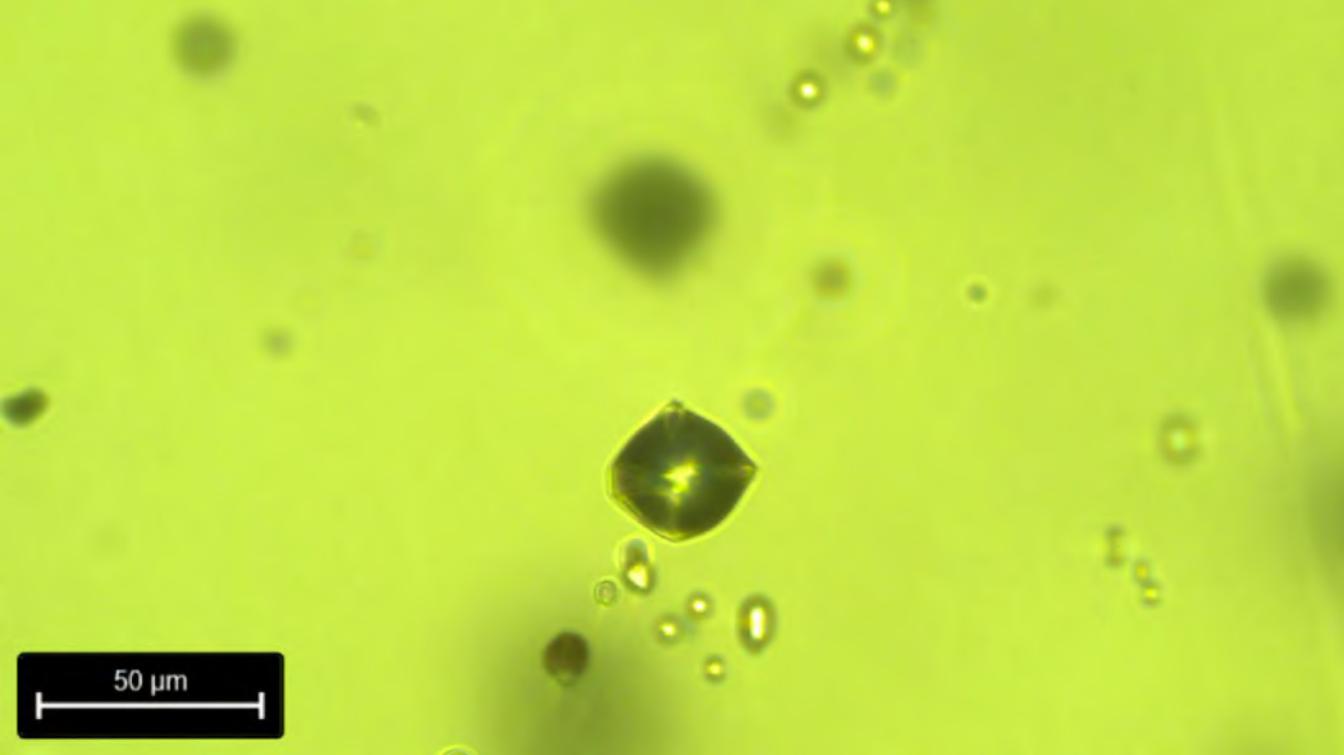
	Filename	Mag	Width (µm)	Height (µm)
0	019 MP2_3_FIA_50X.txt	50	222.124	138.828



Oct 16th 2022

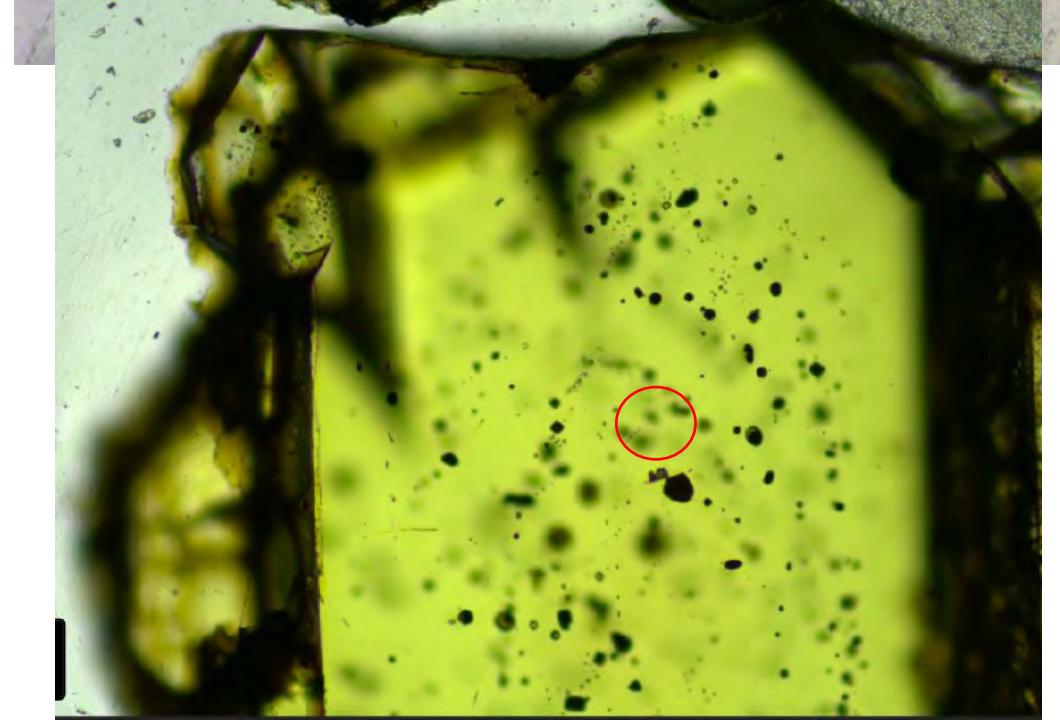
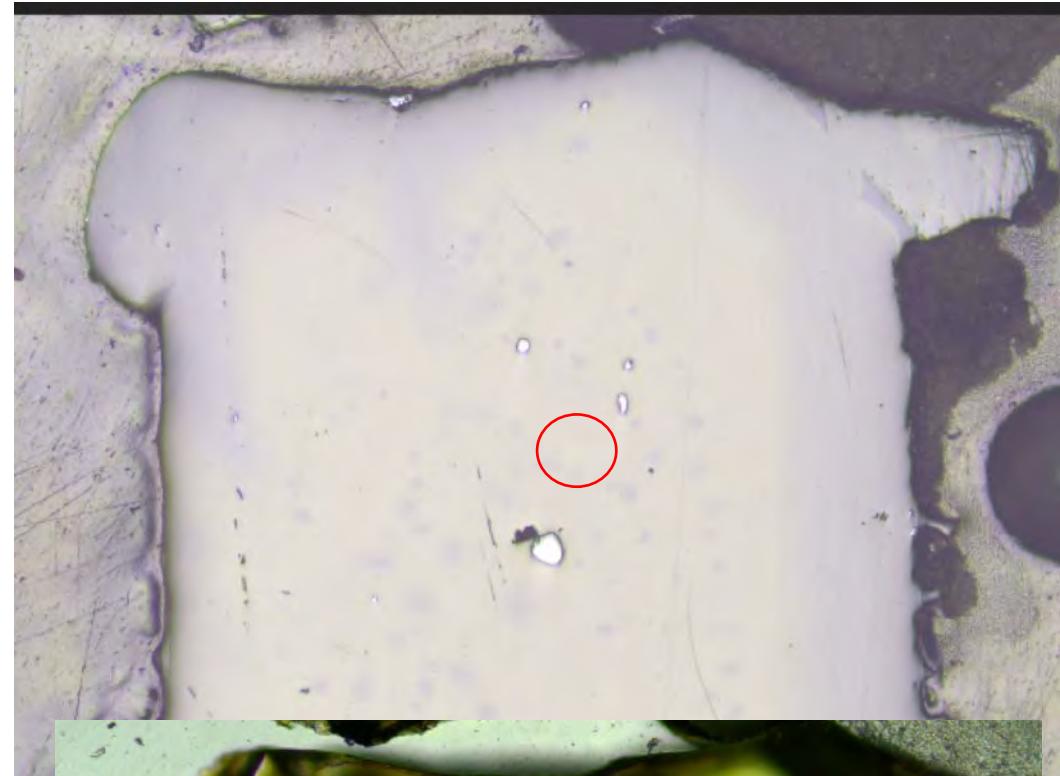


MP2\_3\_FIB



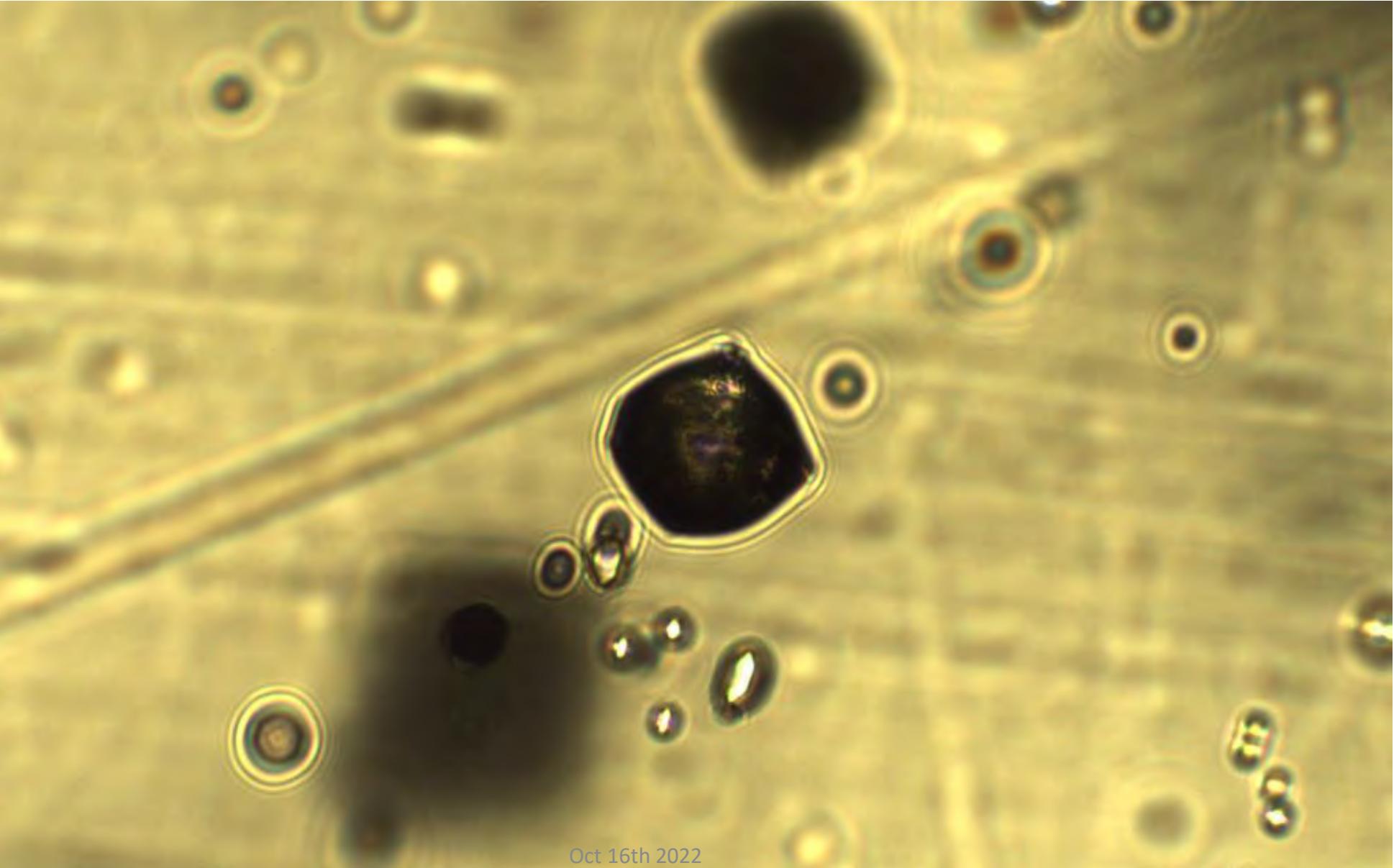
50 µm

a Fls



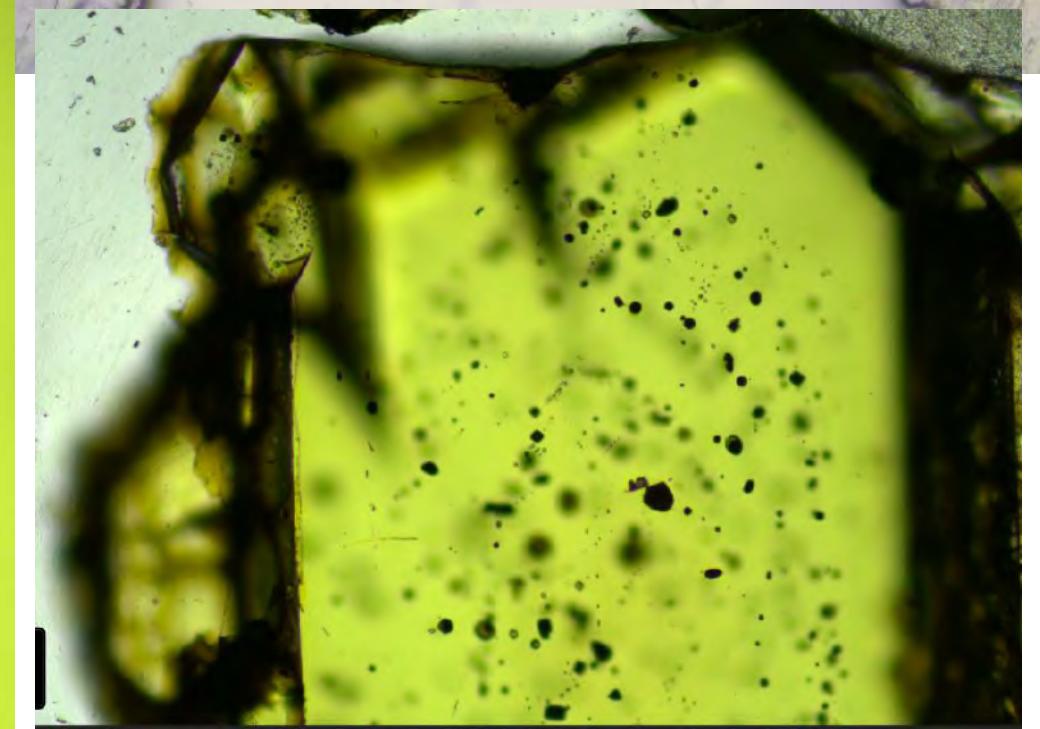
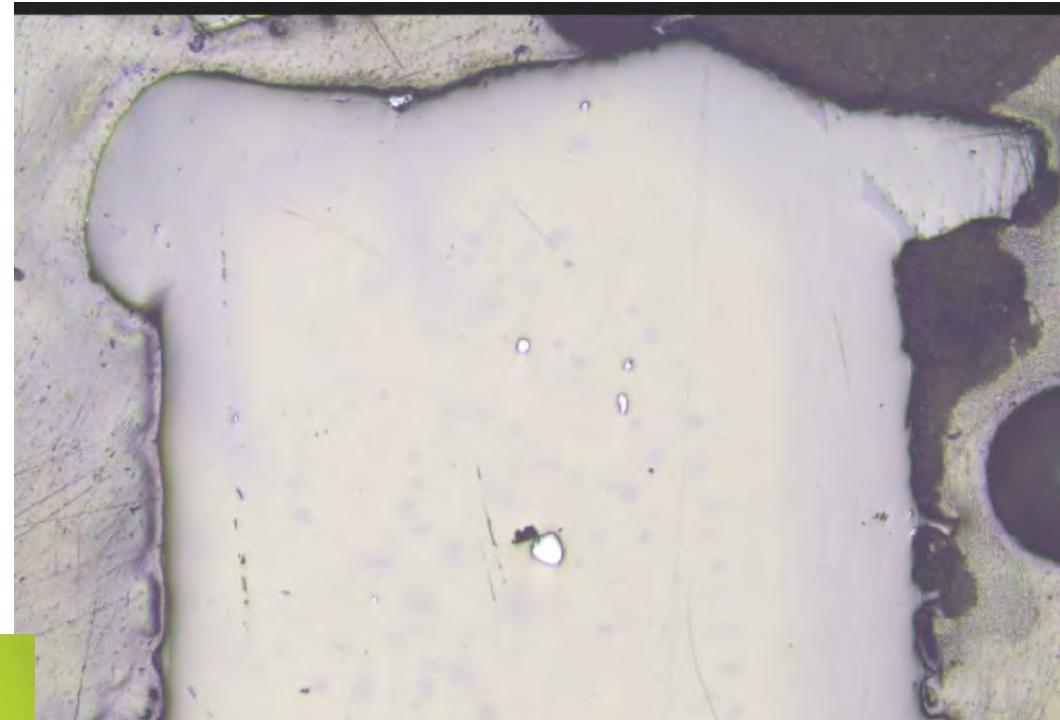
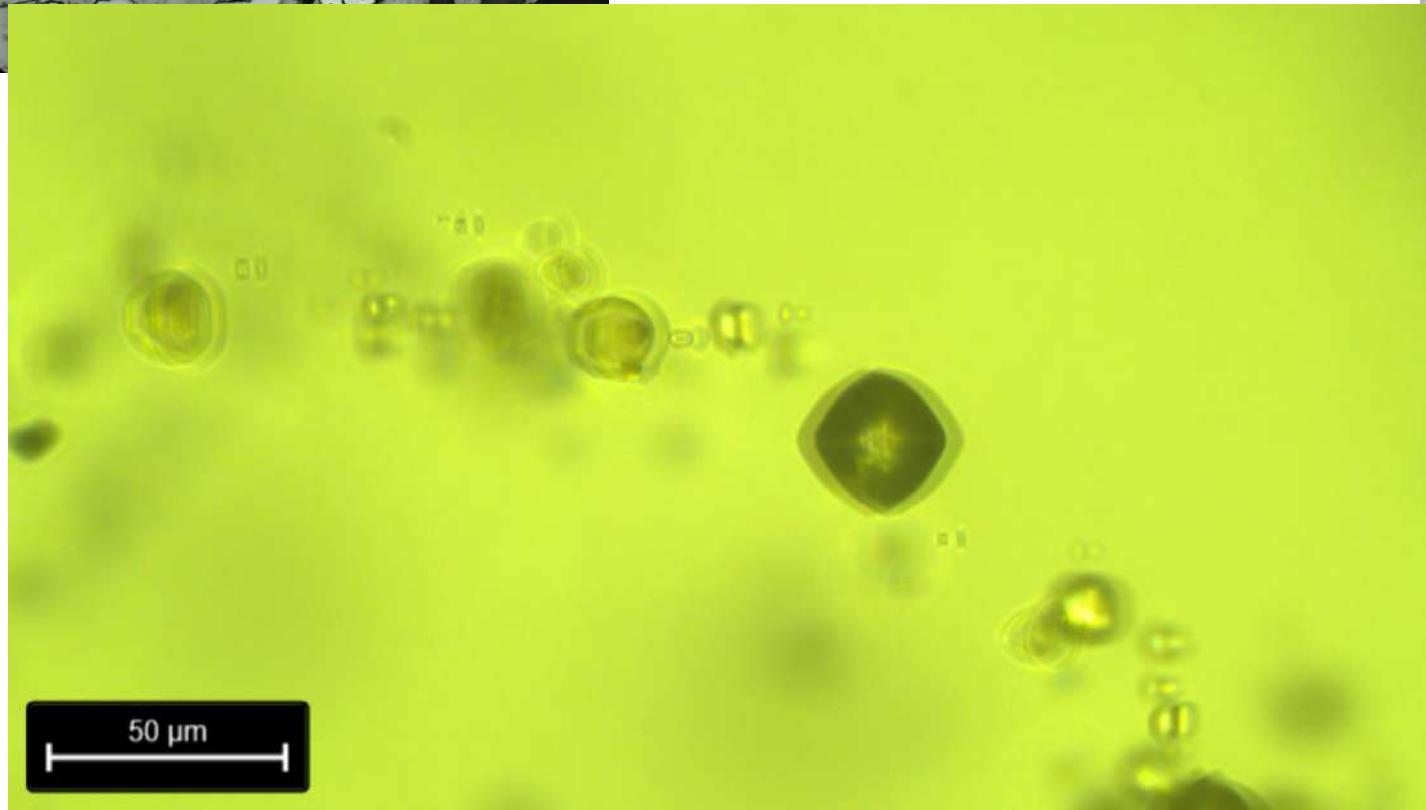
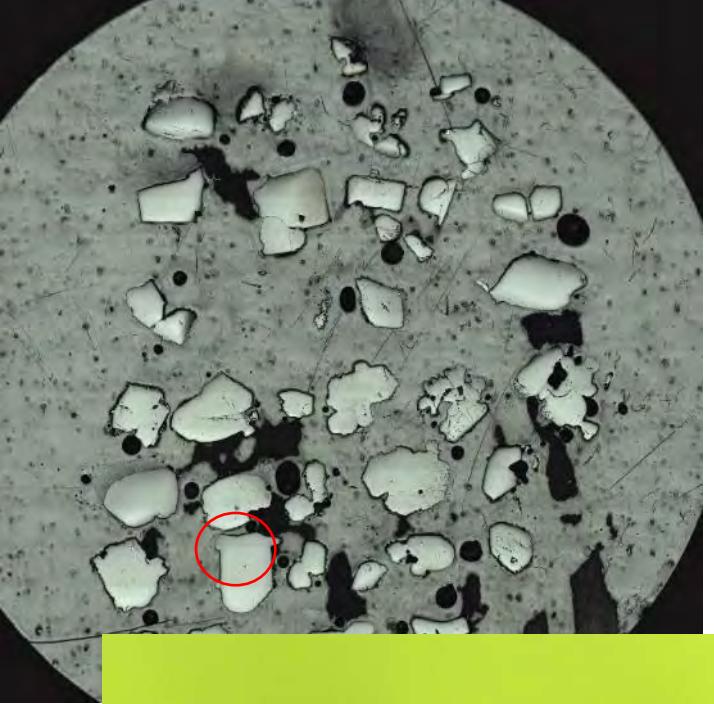
MP2\_3\_FIB

	Filename	Mag	Width (μm)	Height (μm)
2	024 MP2_3_FIB_50X_belowFIA.txt	50	222.124	138.828

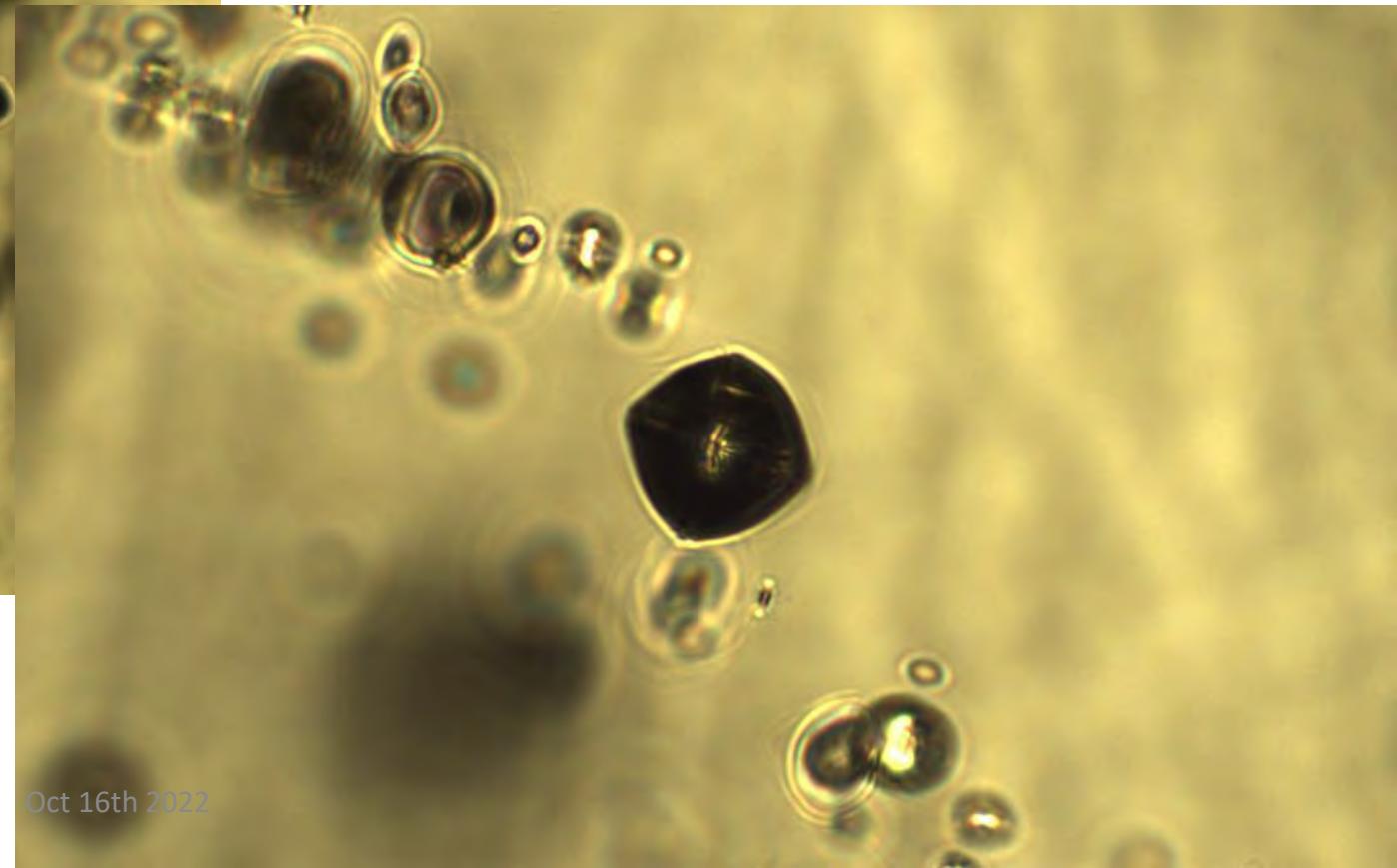
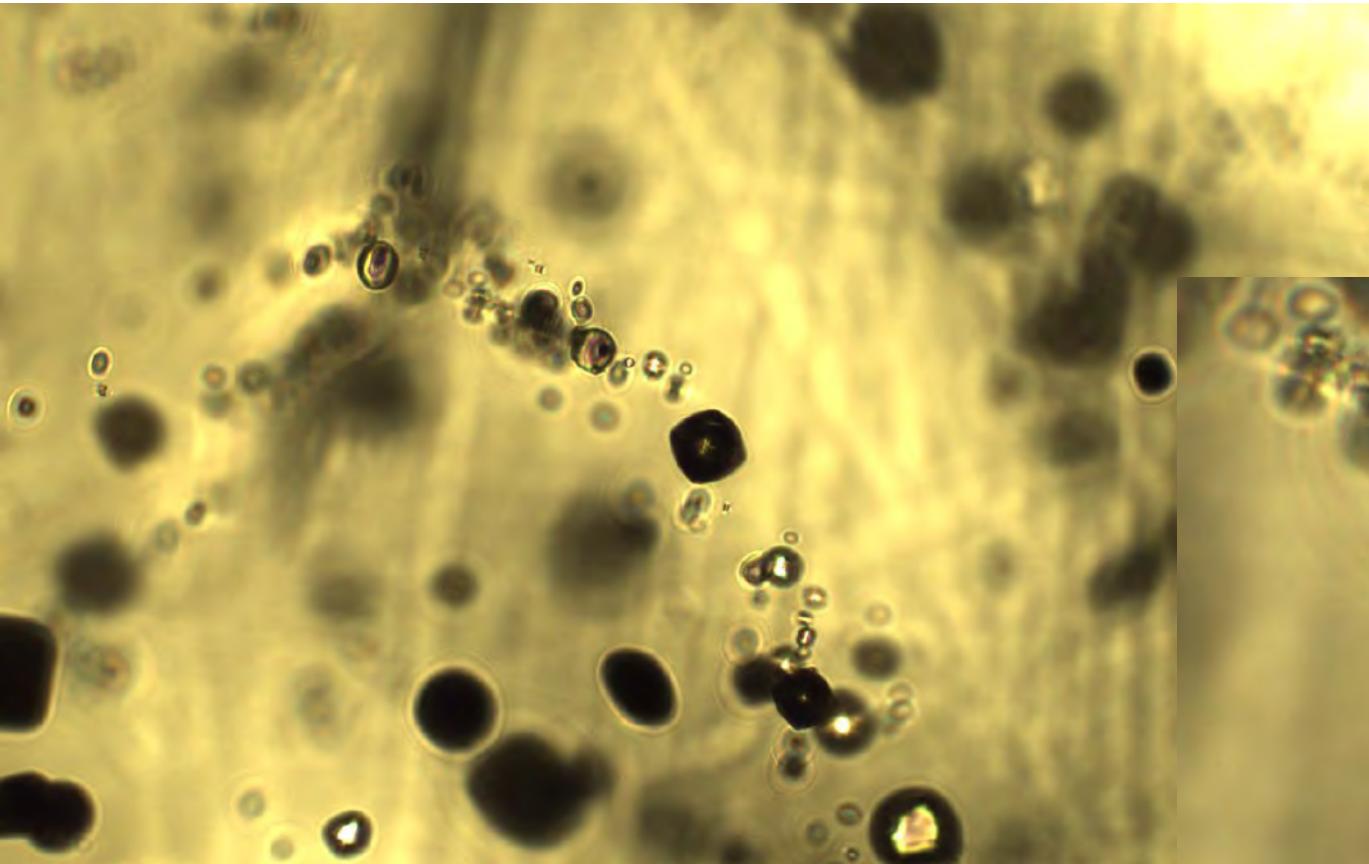


Oct 16th 2022

MP2\_3\_FIC

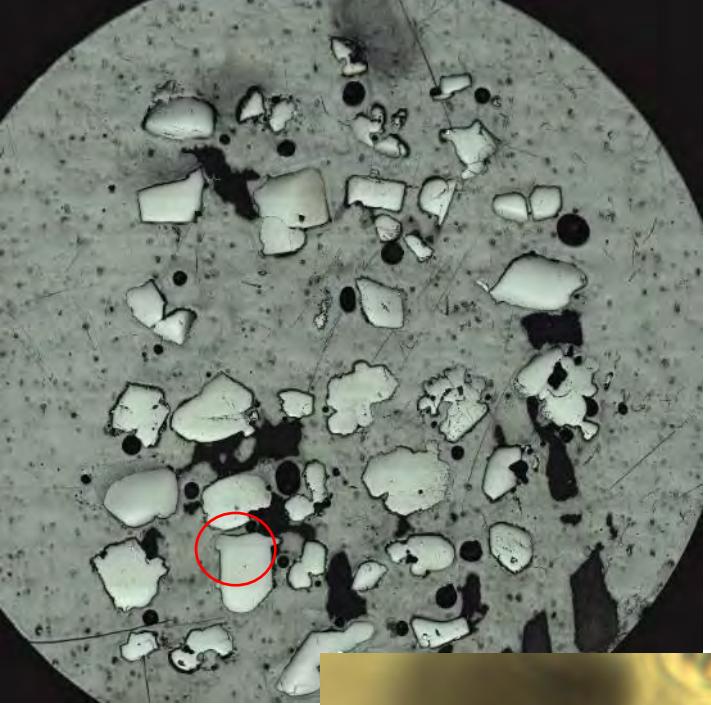


# MP2\_3\_FIC

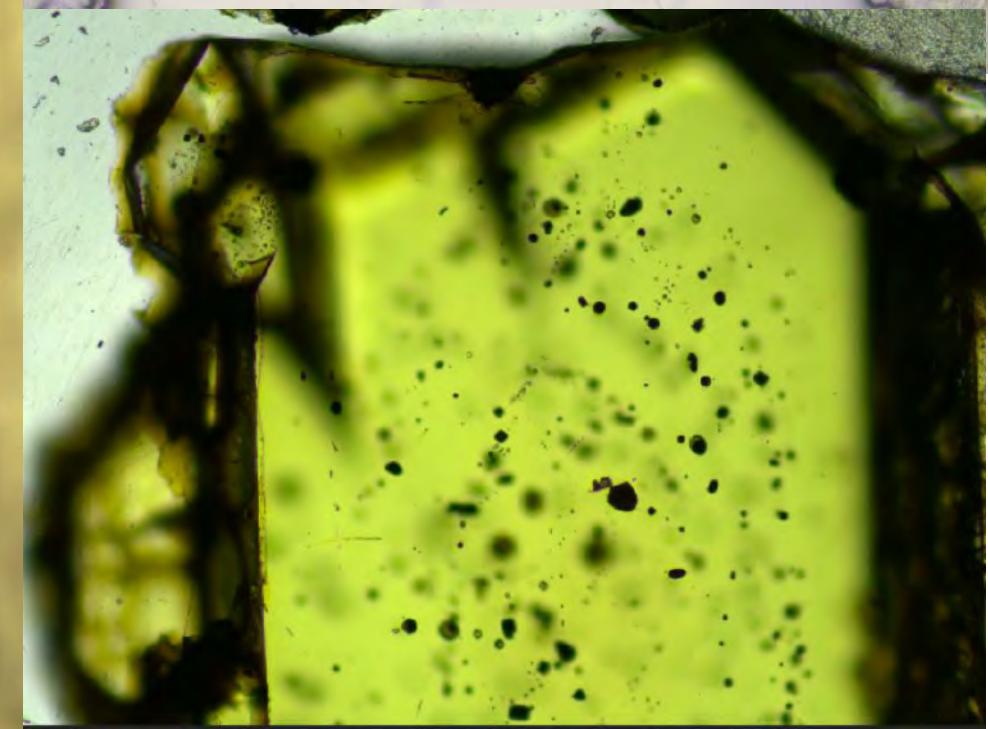
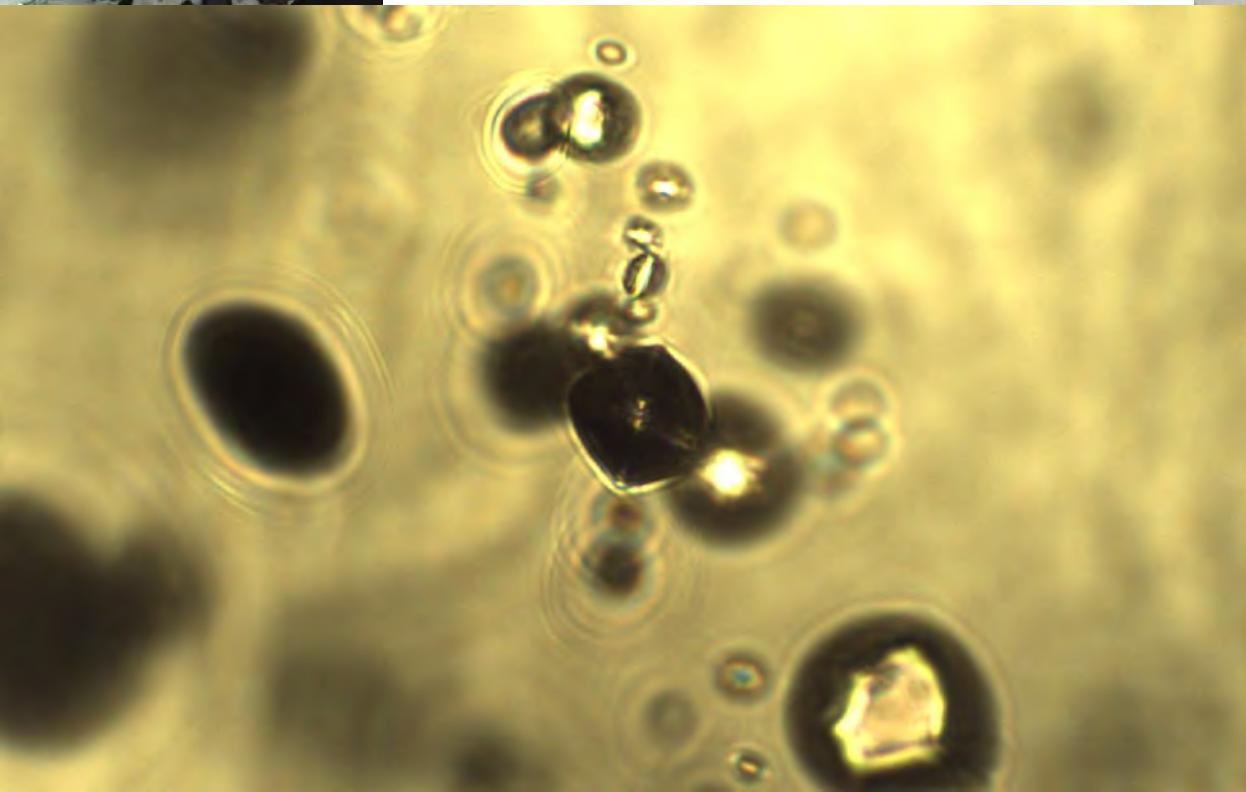
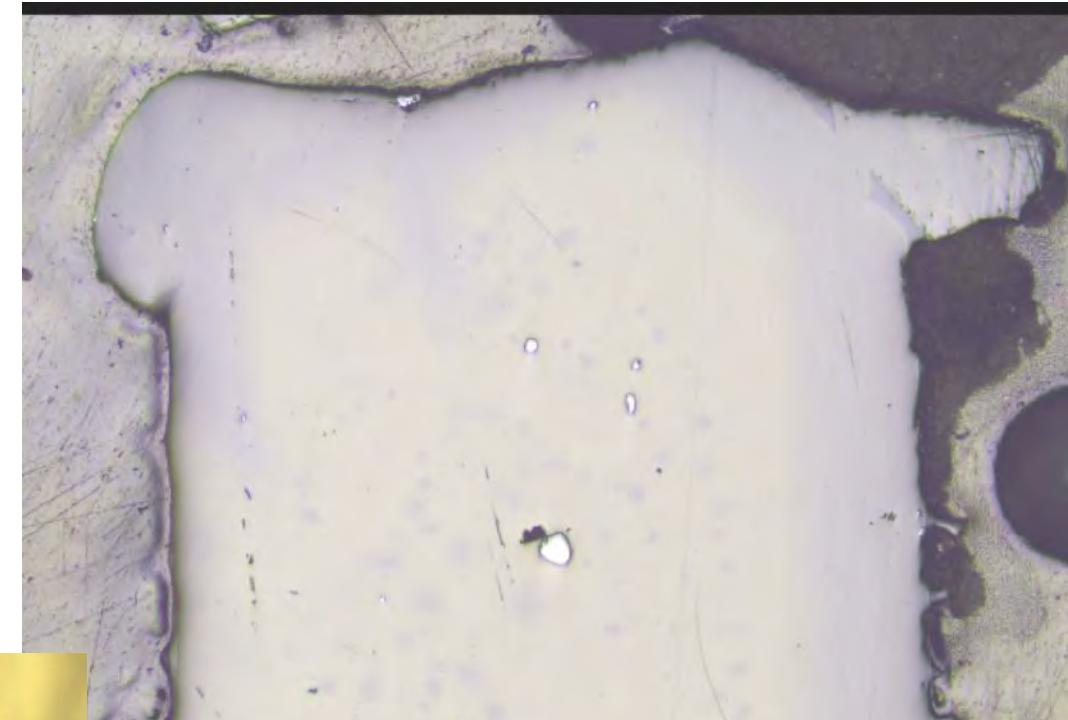


	Filename	Mag	Width (μm)	Height (μm)
3	027 MP2_3_FIC_20X.txt	20	569.584	355.990

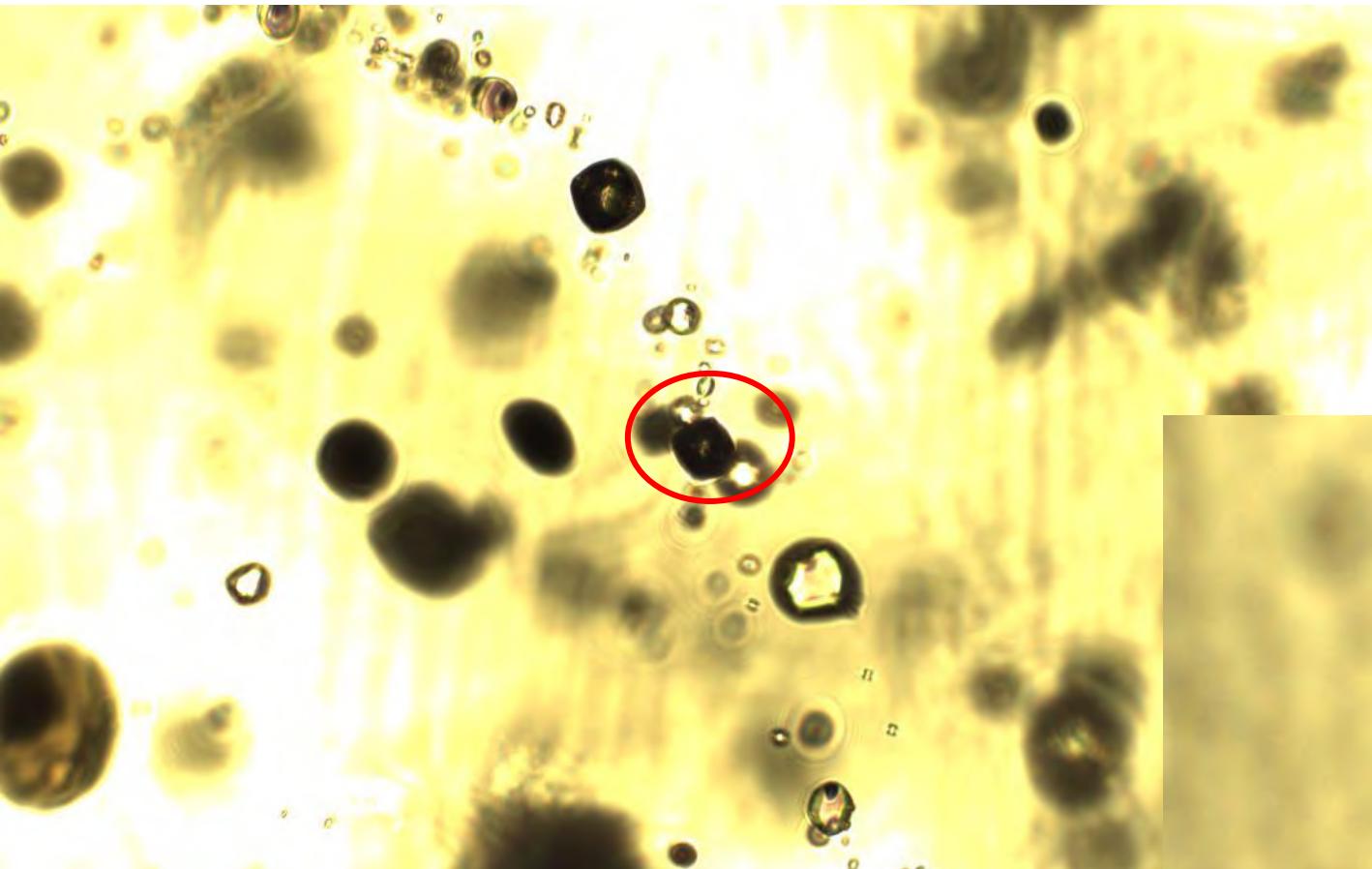
Oct 16th 2022



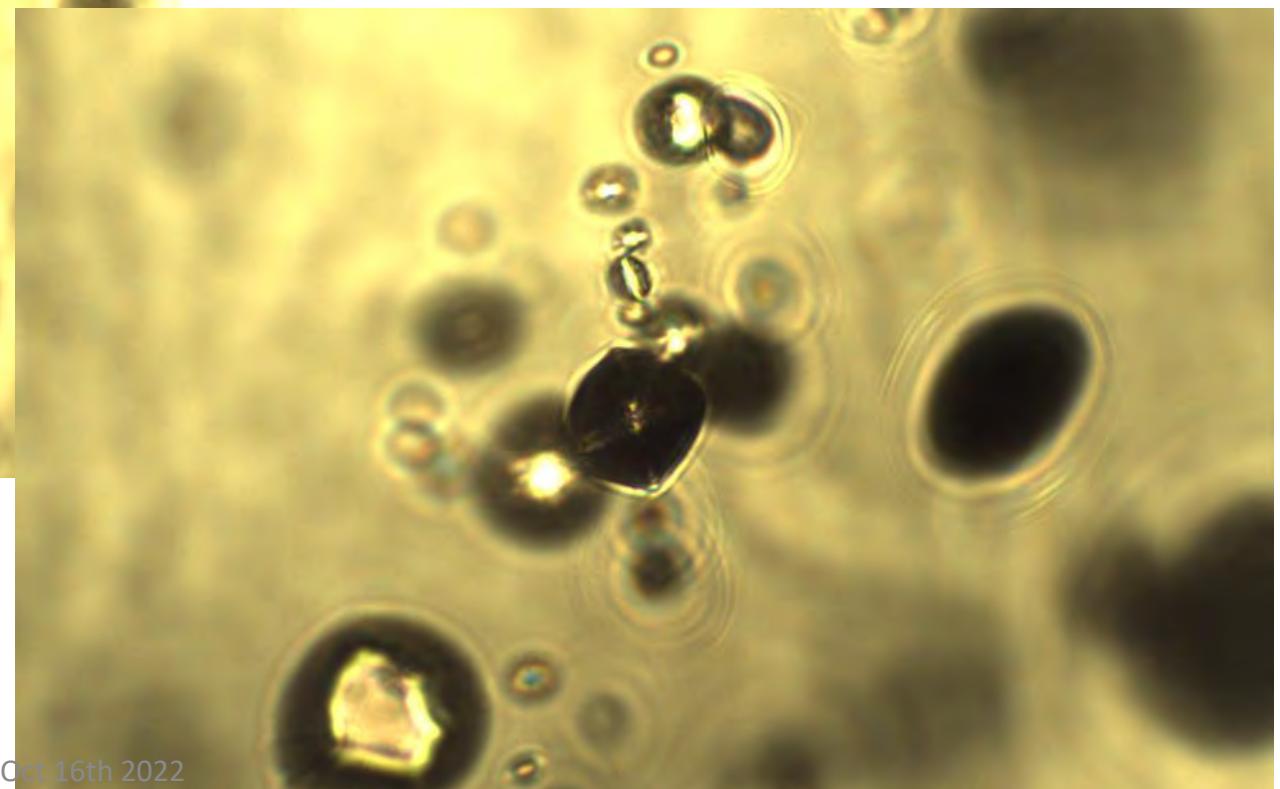
MP2\_3\_FID



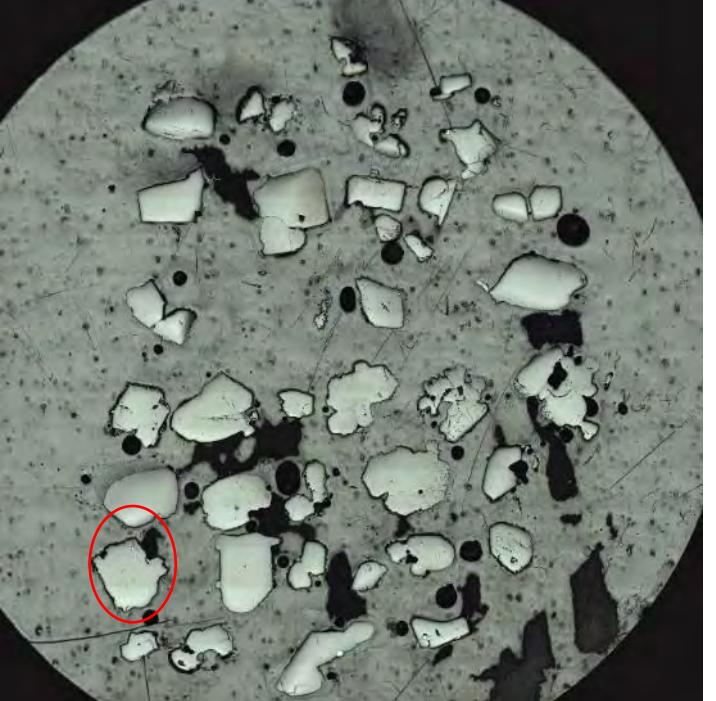
# MP2\_3\_FID



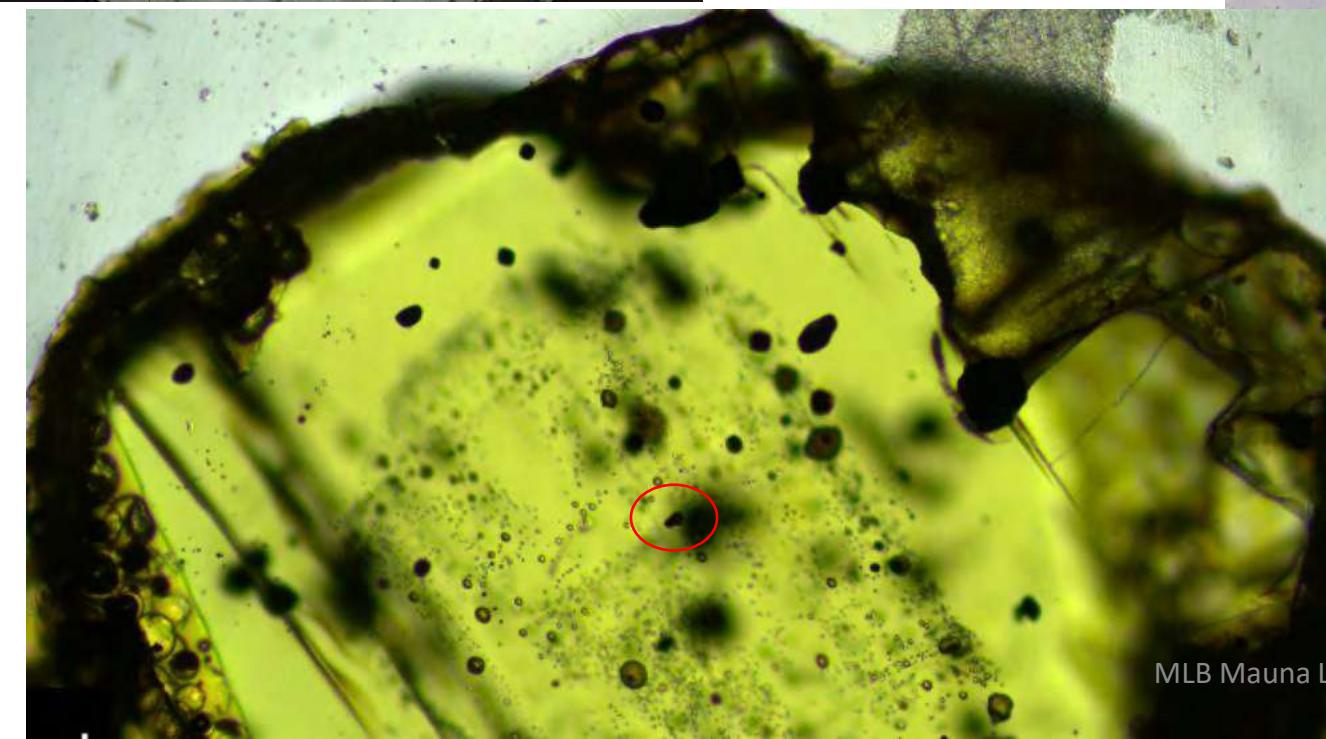
	Filename	Mag	Width (µm)	Height (µm)
5	034 MP2_3_FID_20X.txt	20	569.584	355.990



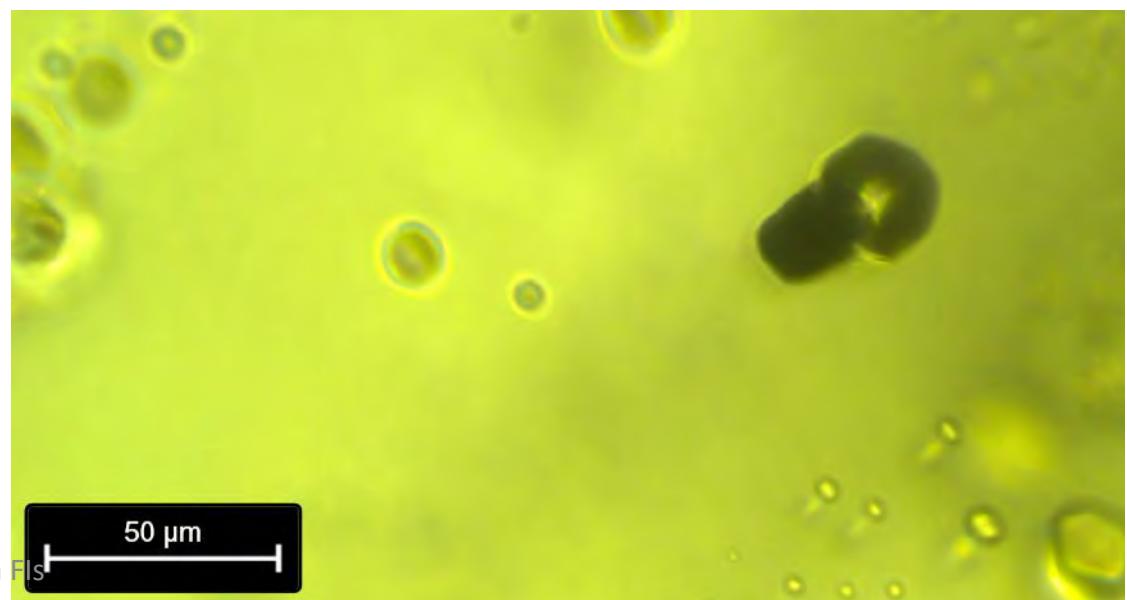
Oct 16th 2022



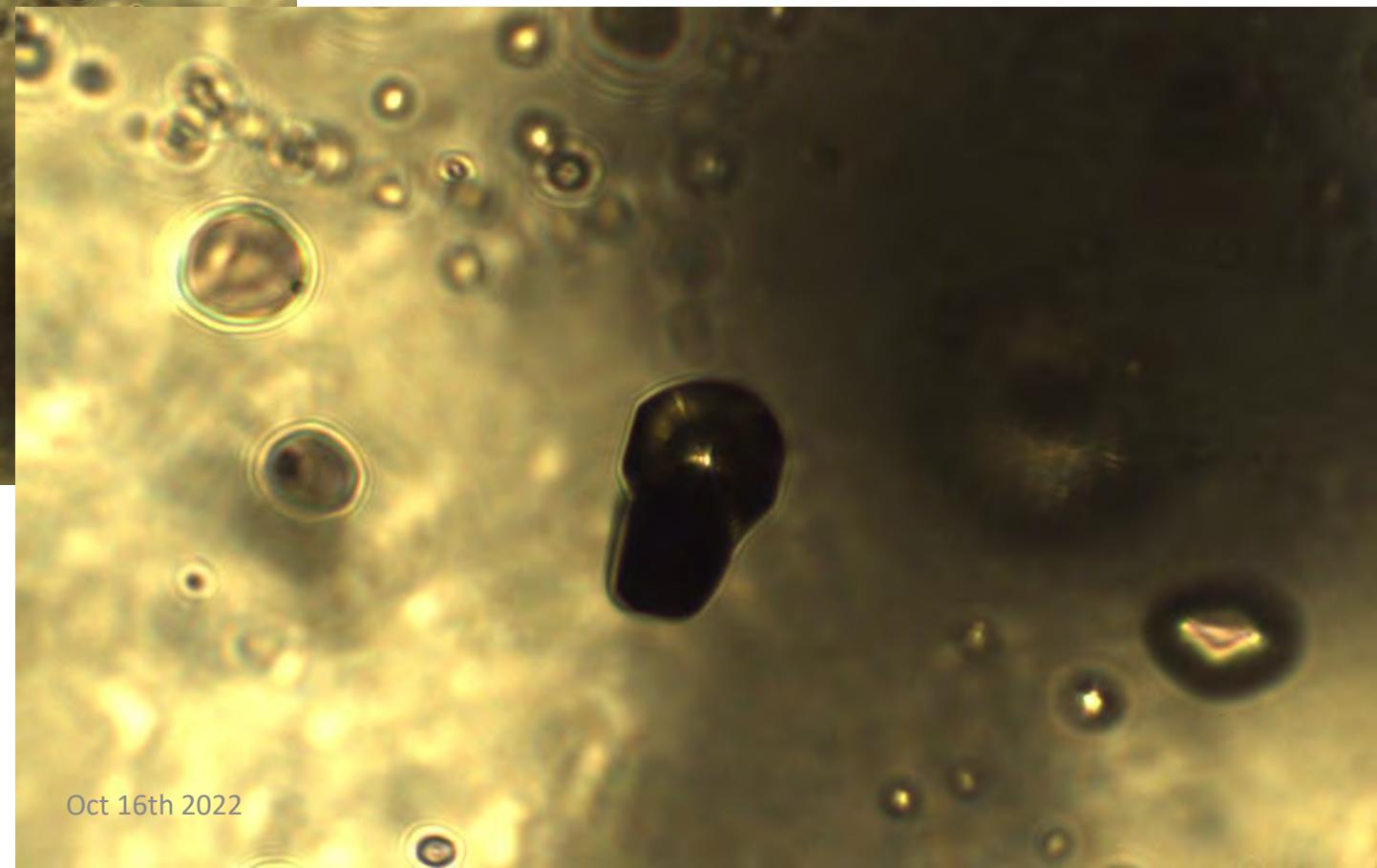
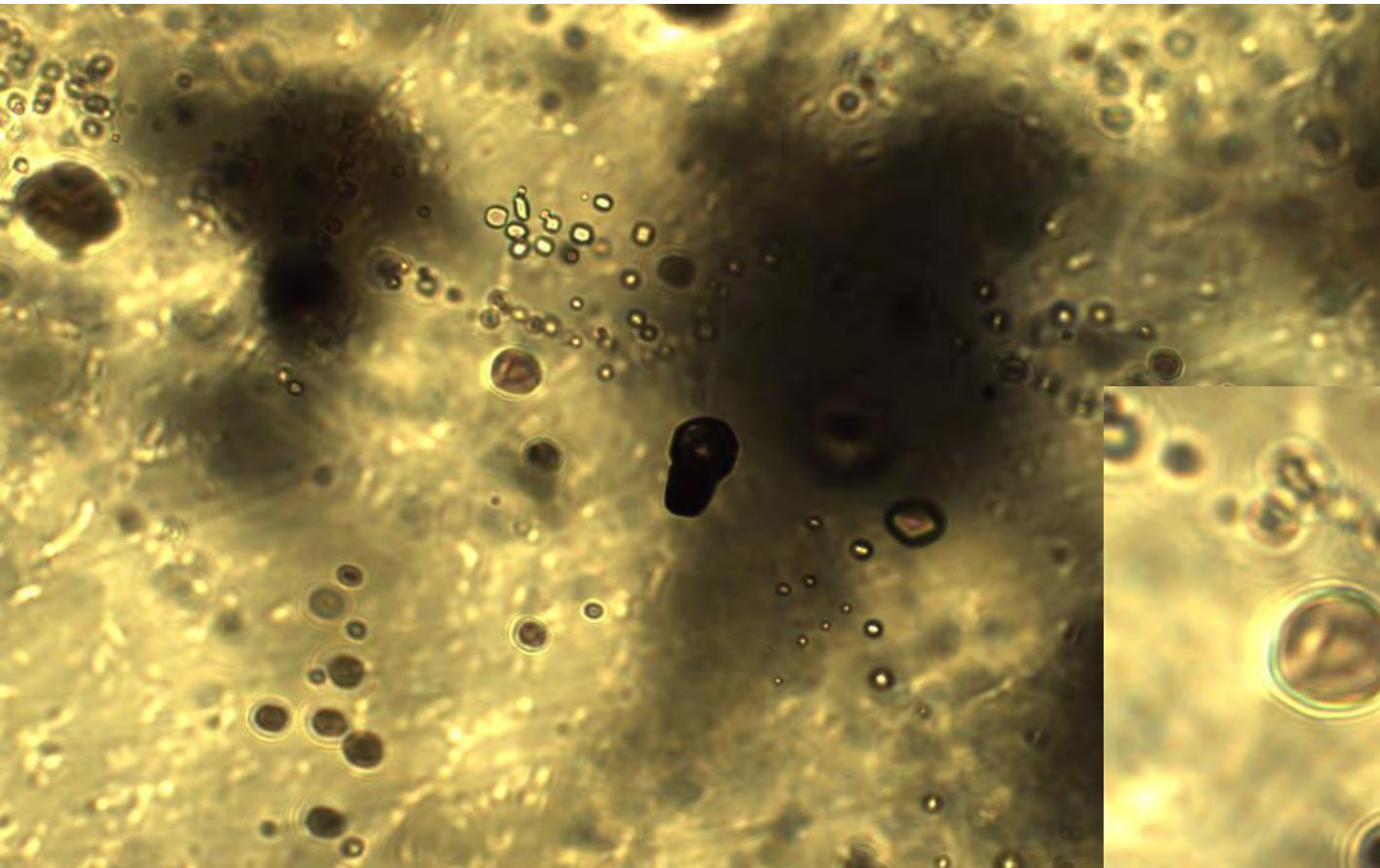
MP2\_4\_FIA  
Just above the  
little MI



MLB Mauna Loa Fls



MP2\_4\_FIA

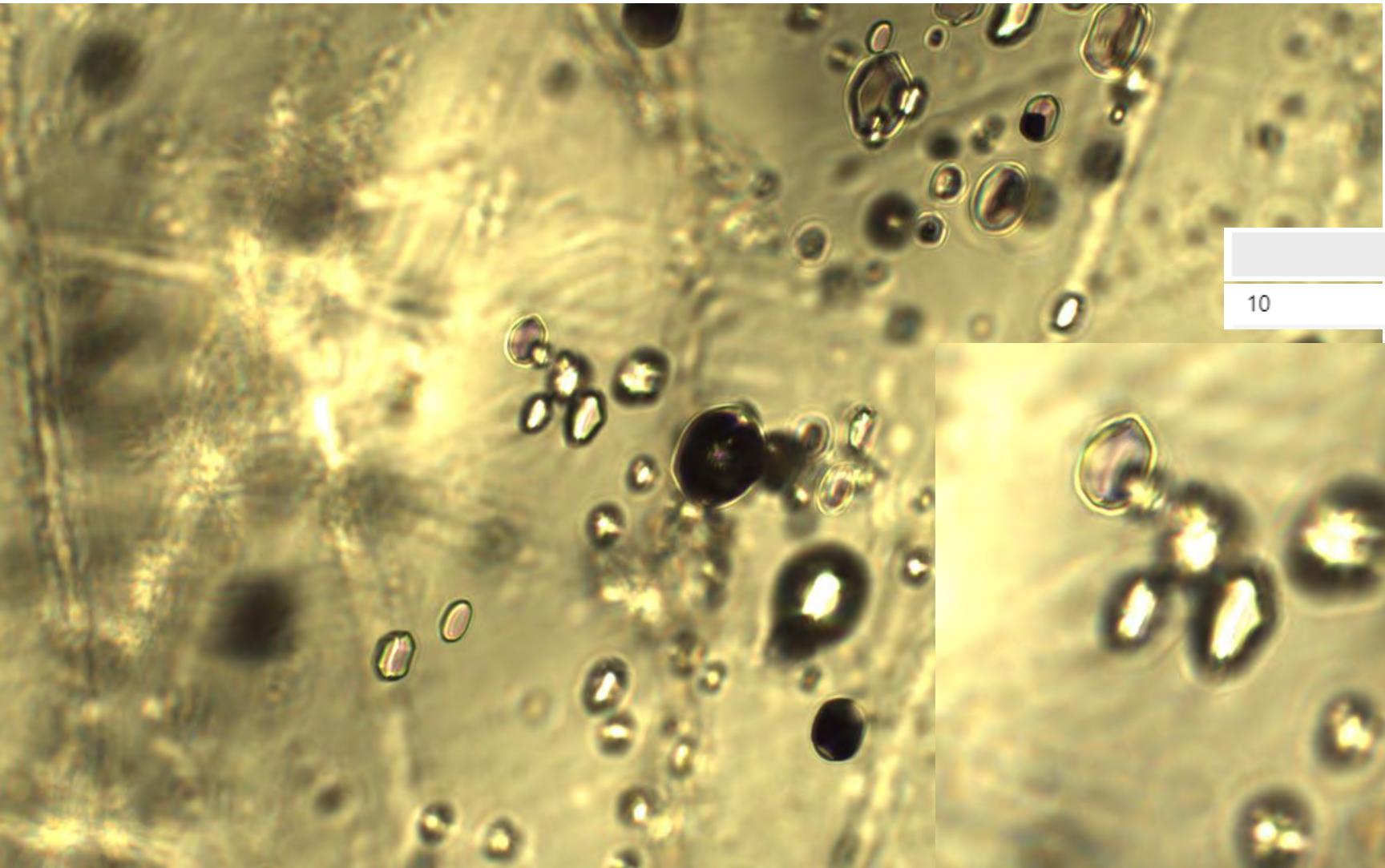


	Filename	Mag	Width (μm)	Height (μm)
8	051 MP2_4_FIA_50X.txt	50	222.124	138.828

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	Filename	Mag	Width (µm)	Height (µm)	
MP2_7	9	106 MP2_7_FIA_20X.txt	20	569.584	355.990

No EPMA data



	Filename	Mag	Width (µm)	Height (µm)	
	10	107 MP2_7_FIA_50X.txt	50	222.124	138.828

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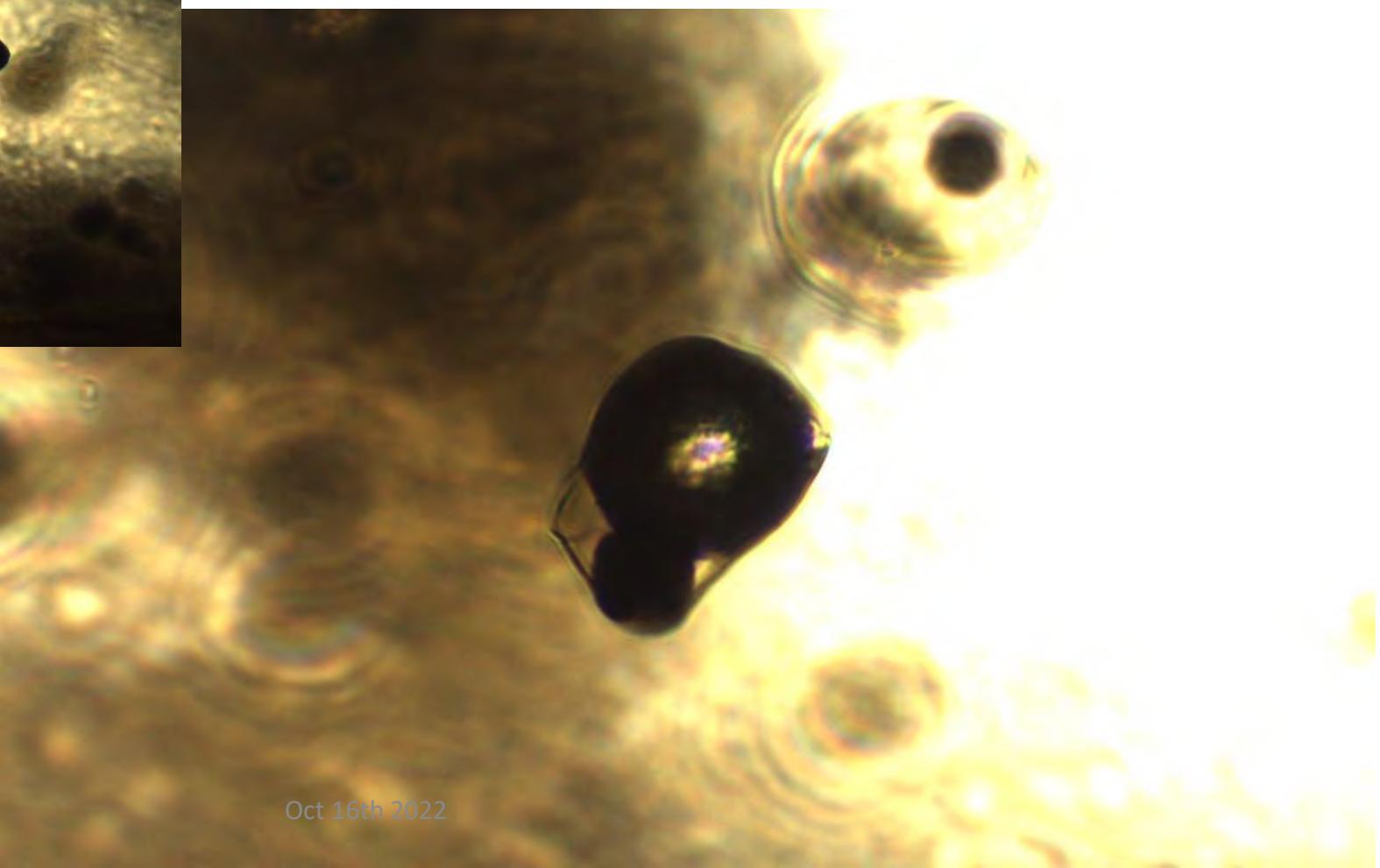
MP2\_8a

		Filename	Mag	Width (µm)	Height (µm)
11	121 MP2_8a_xstal1_FIA_20X.txt		20	569.584	355.990

No EPMA data



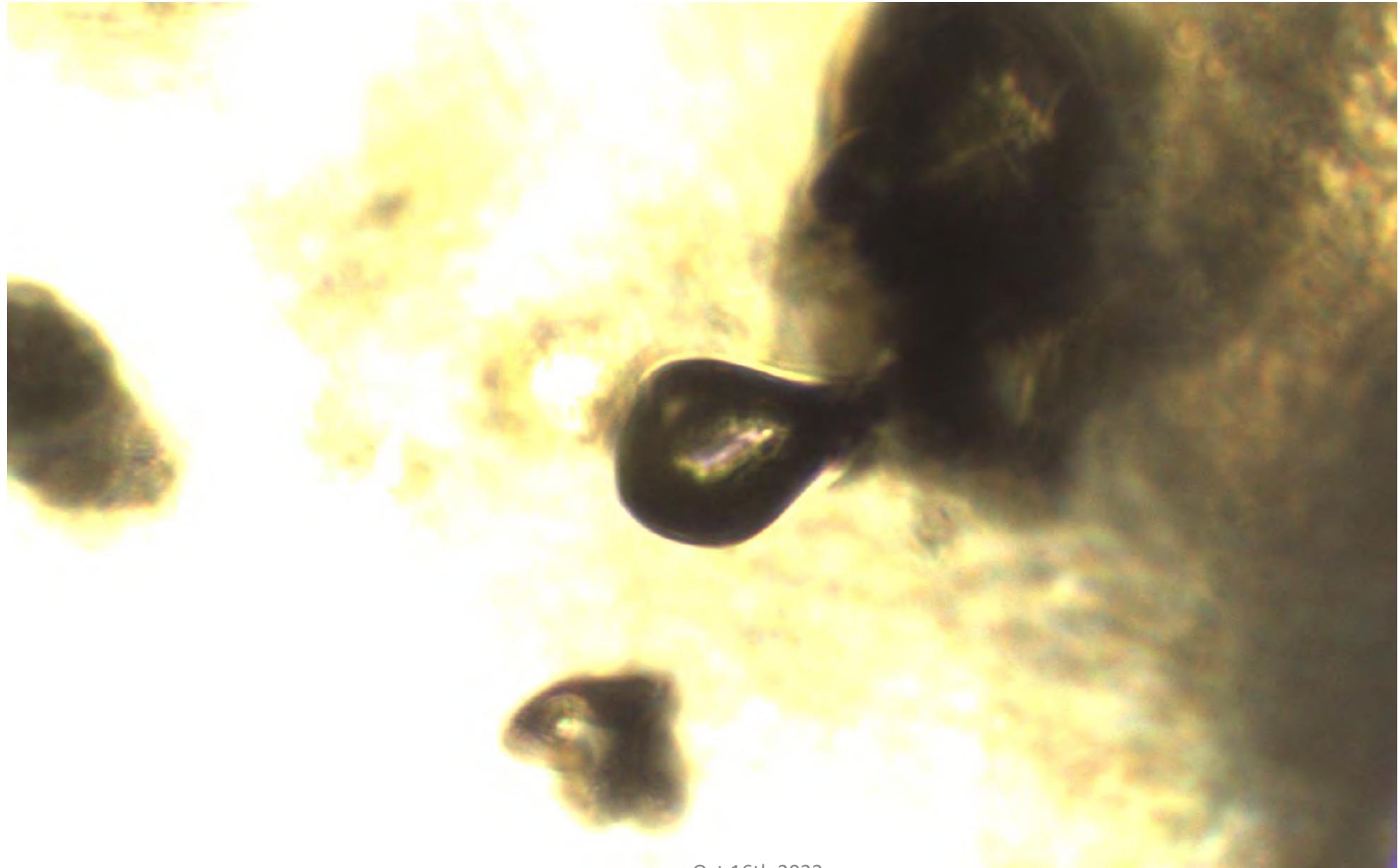
		Filename	Mag	Width (µm)	Height (µm)
12	122 MP2_8a_xstal1_FIA_50X.txt		50	222.124	138.828



Oct 16th 2022

MP2\_8a\_xstal1\_FIB

	Filename	Mag	Width (µm)	Height (µm)
13	124 MP2_8a_xstal1_FIB_50X.txt	50	222.124	138.828

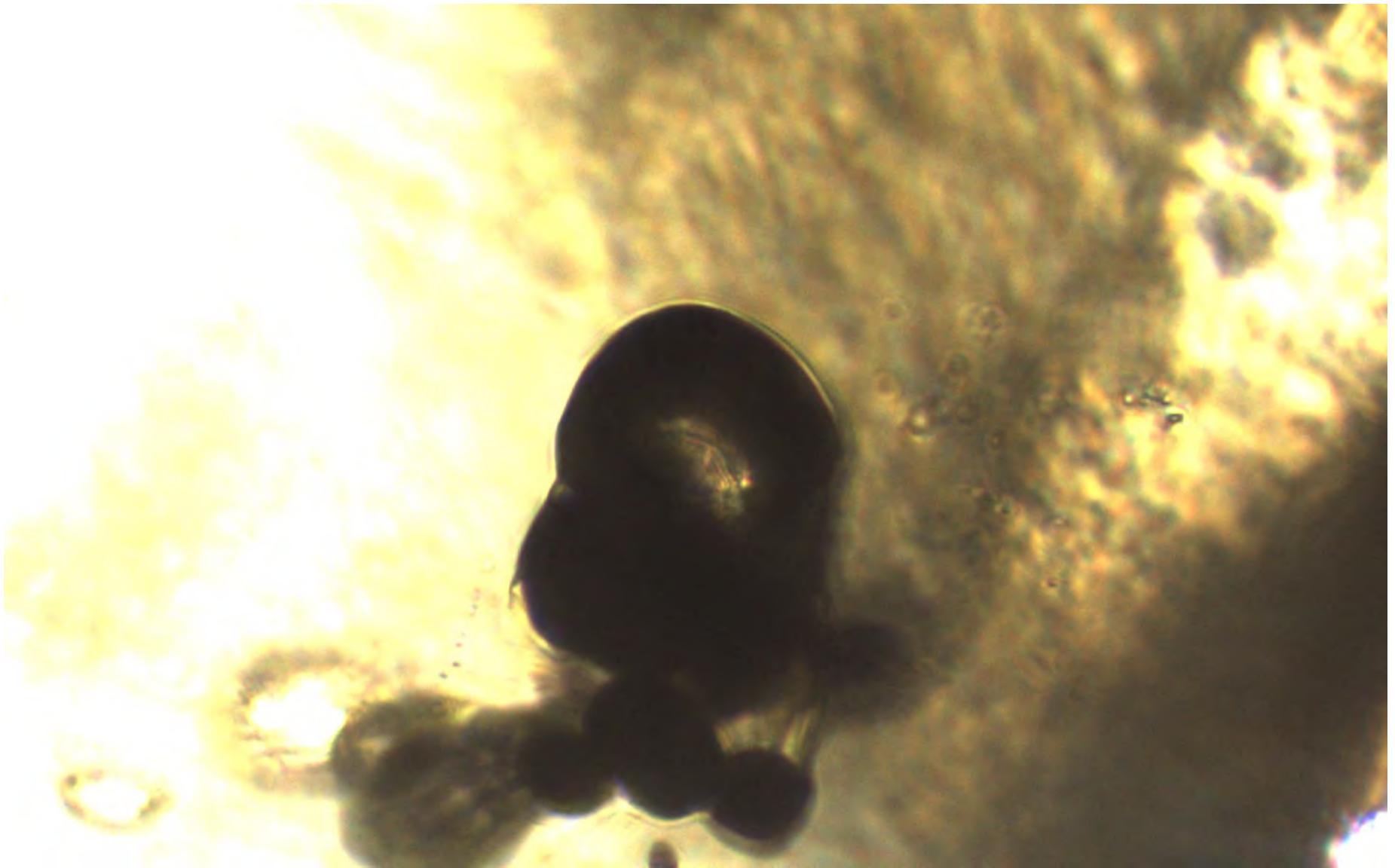


No EPMA data

Oct 16th 2022

MP2\_8a\_xstal1\_FIC

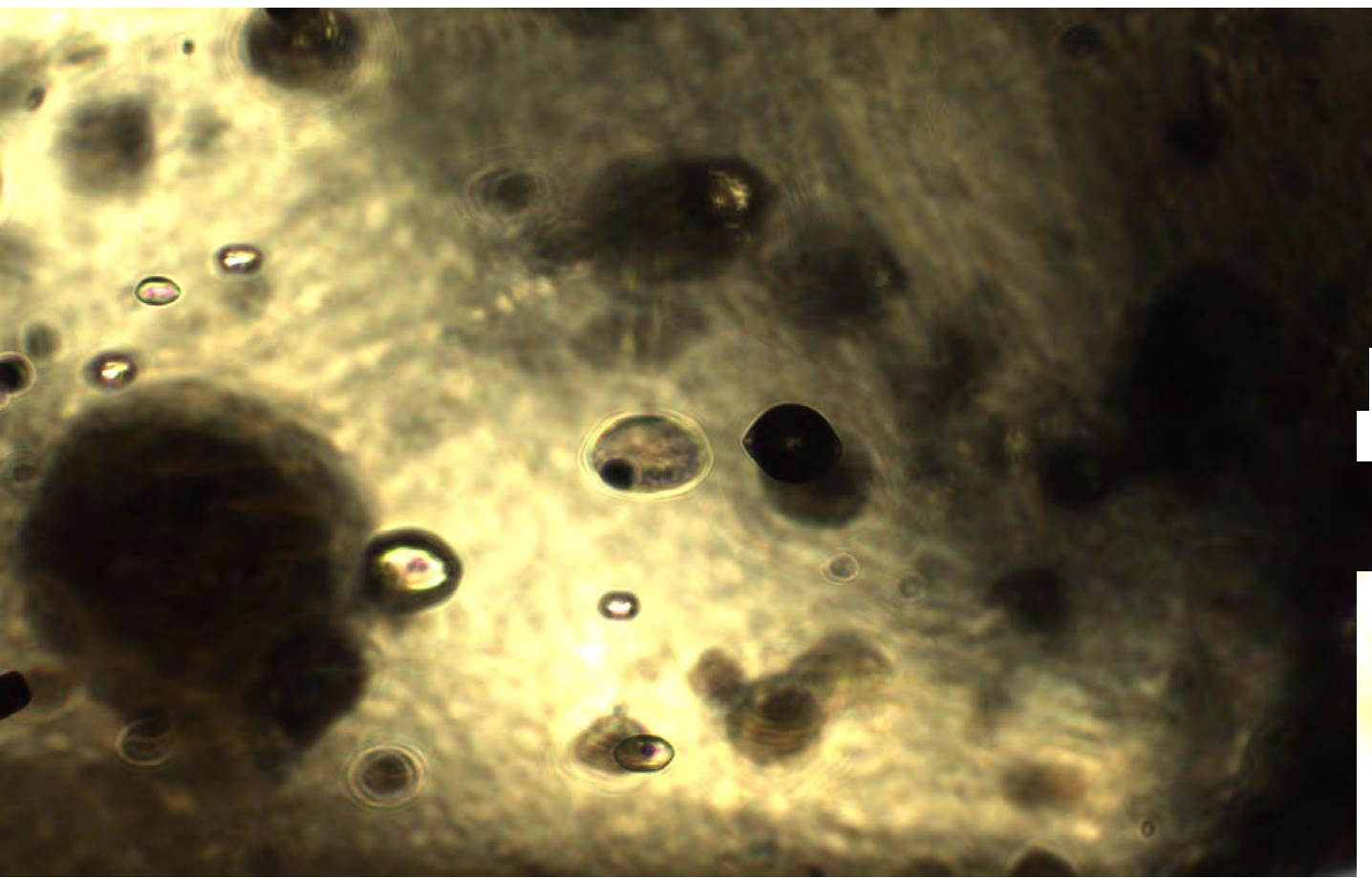
	Filename	Mag	Width (µm)	Height (µm)
14	127 MP2_8a_xstal1_FIC_50x.txt	50	222.124	138.828



No EPMA data

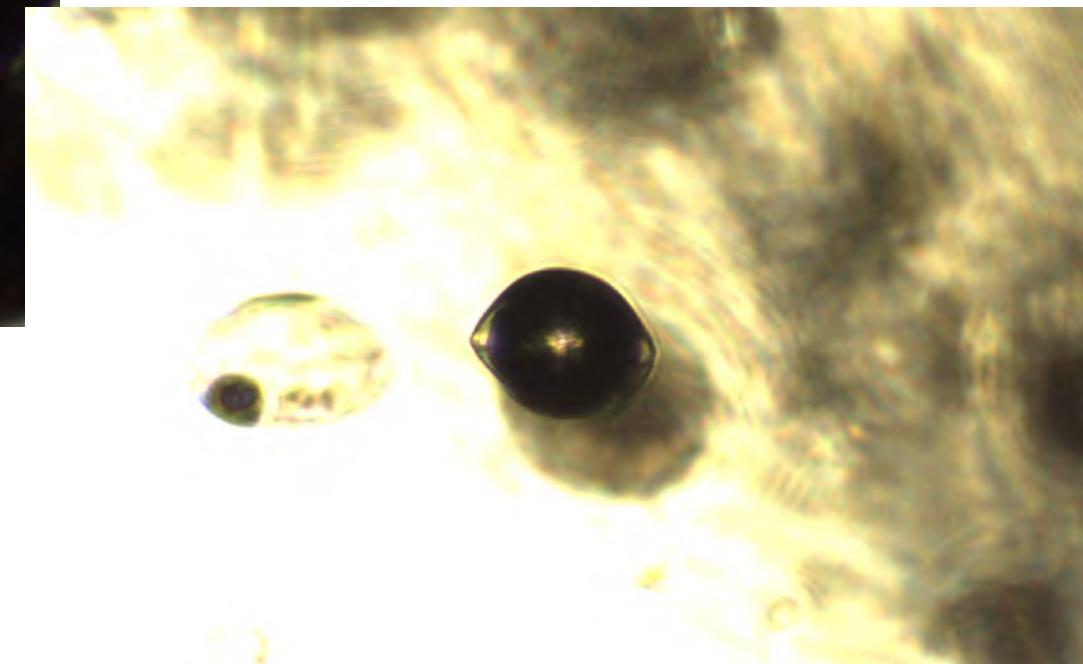
MP2\_8a\_xstal1\_FID

	Filename	Mag	Width (μm)	Height (μm)
15	133 MP2_8a_xstal1_FID_MIB_20X.txt	20	569.584	355.990



No EPMA data

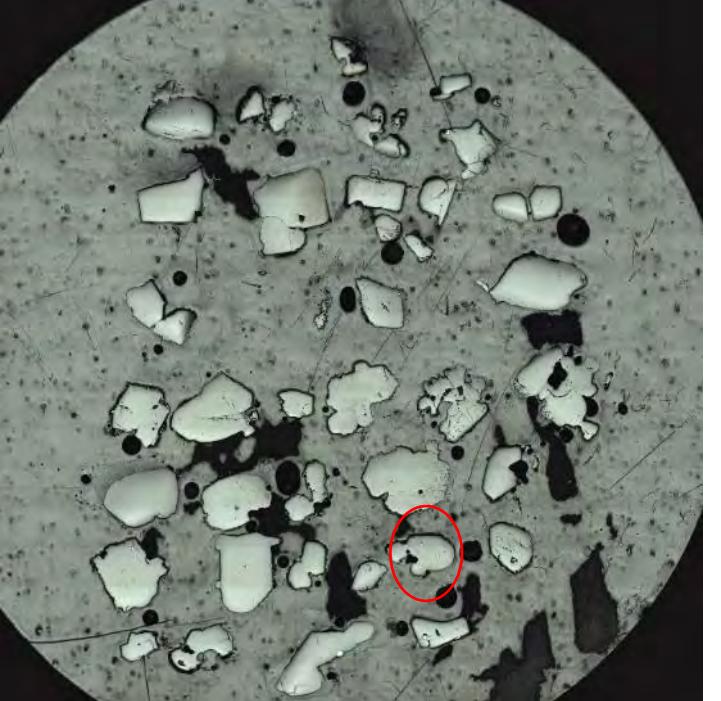
	Filename	Mag	Width (μm)	Height (μm)
16	134 MP2_8a_xstal1_FID_50X.txt	50	222.124	138.828



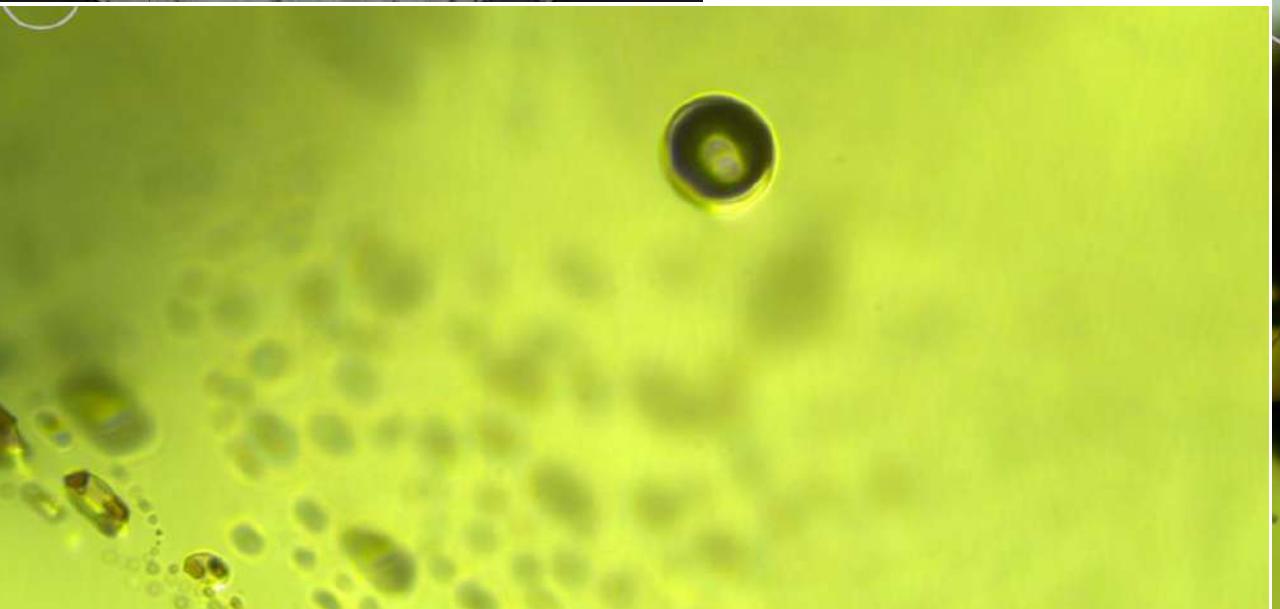
Oct 16th 2022

# Folder: 27\_10\_2022\_FI\_only

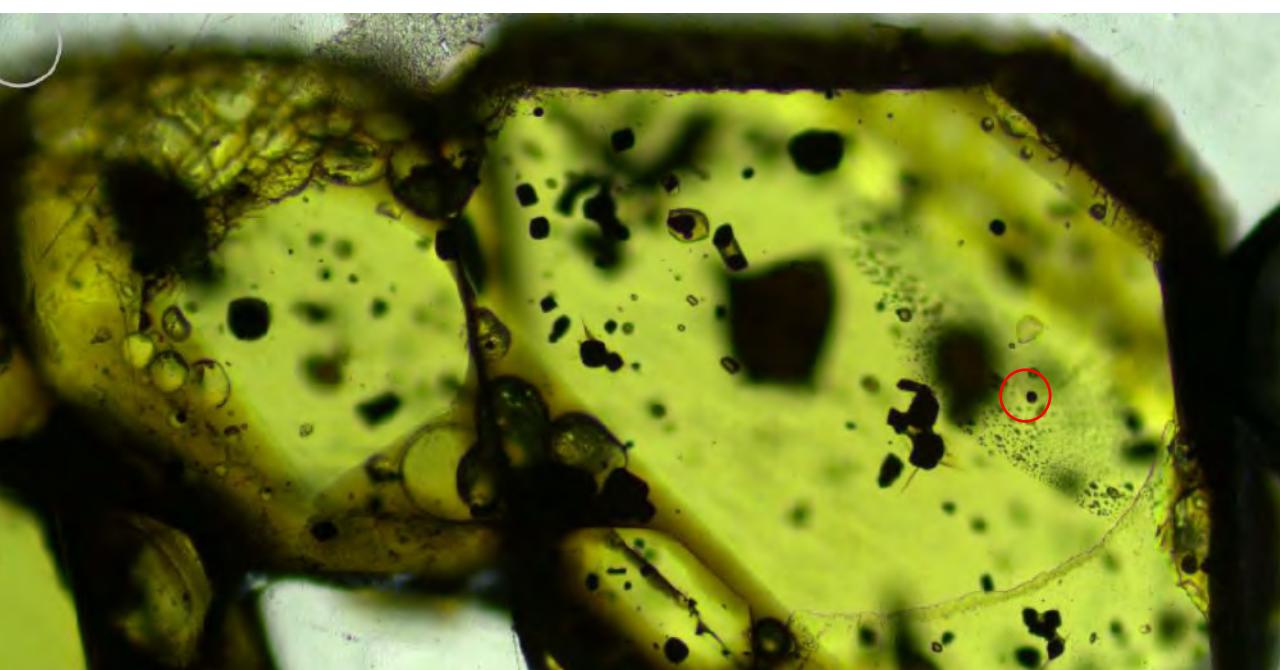
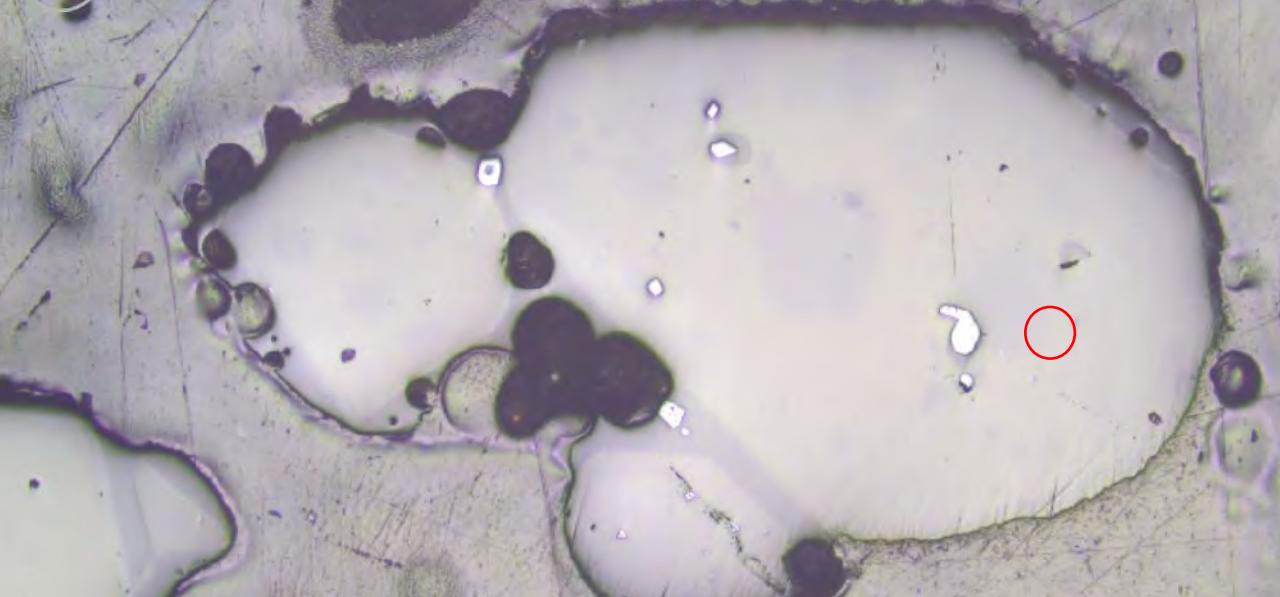
- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,



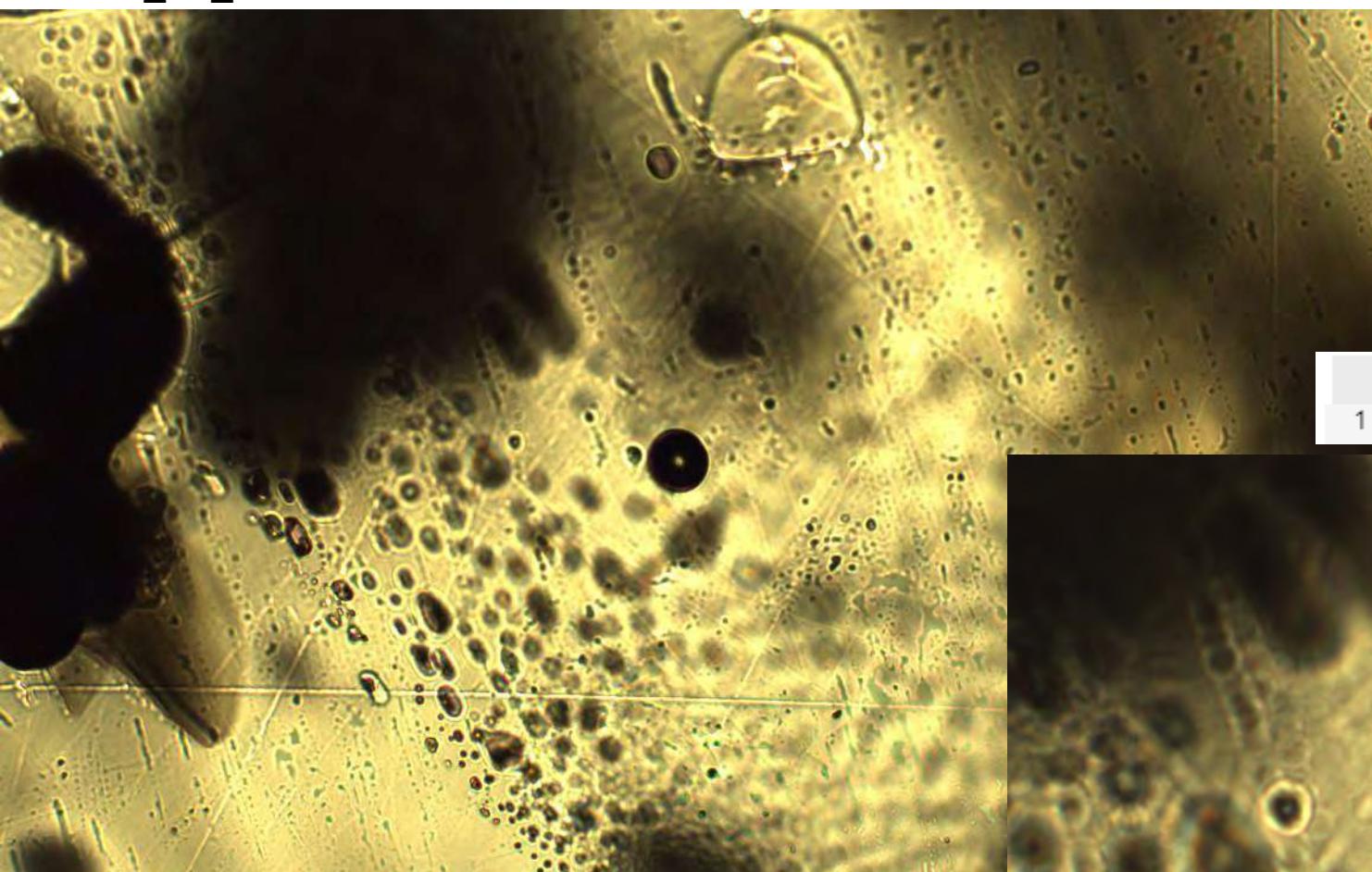
MP2\_10\_FIA



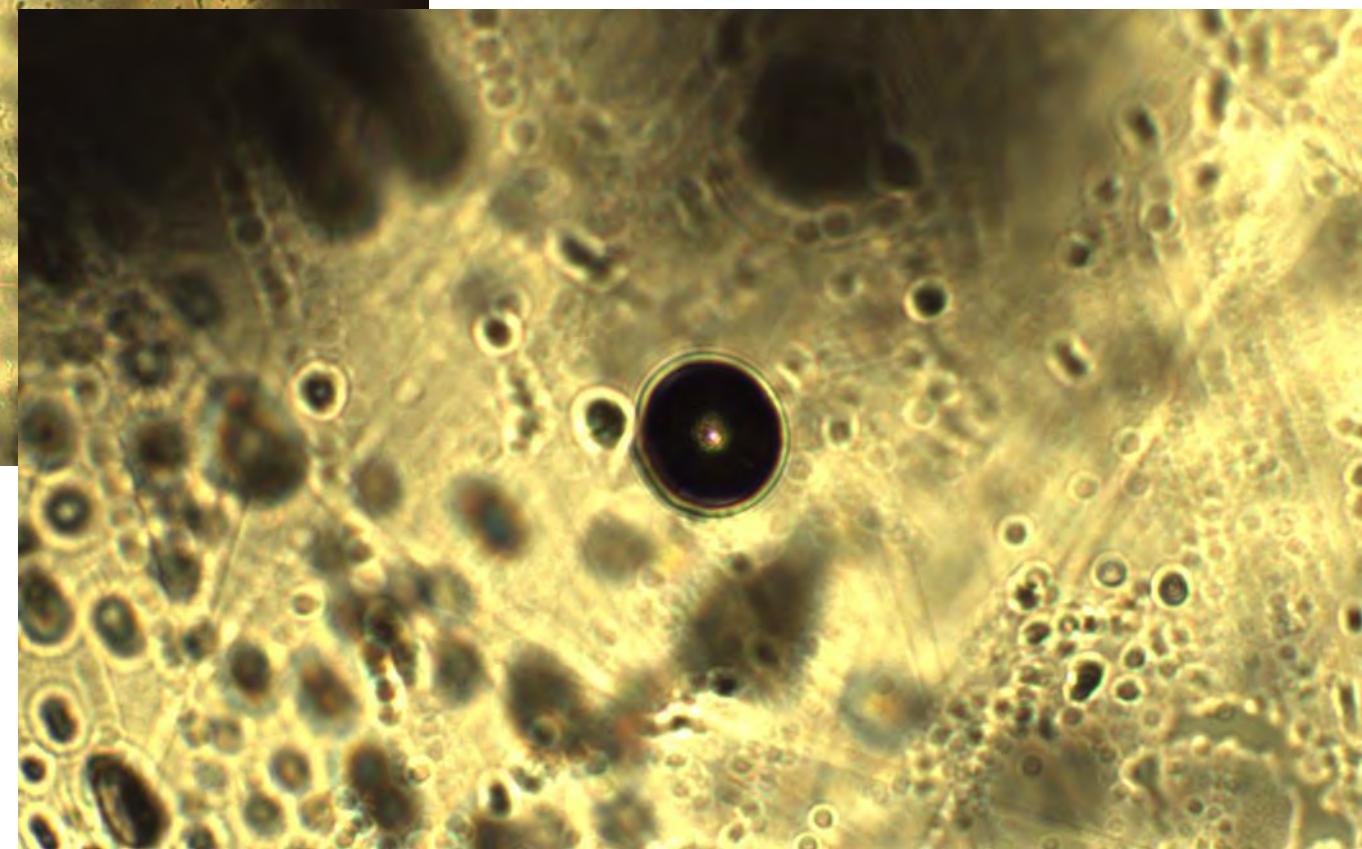
MLB Mauna Loa Fls



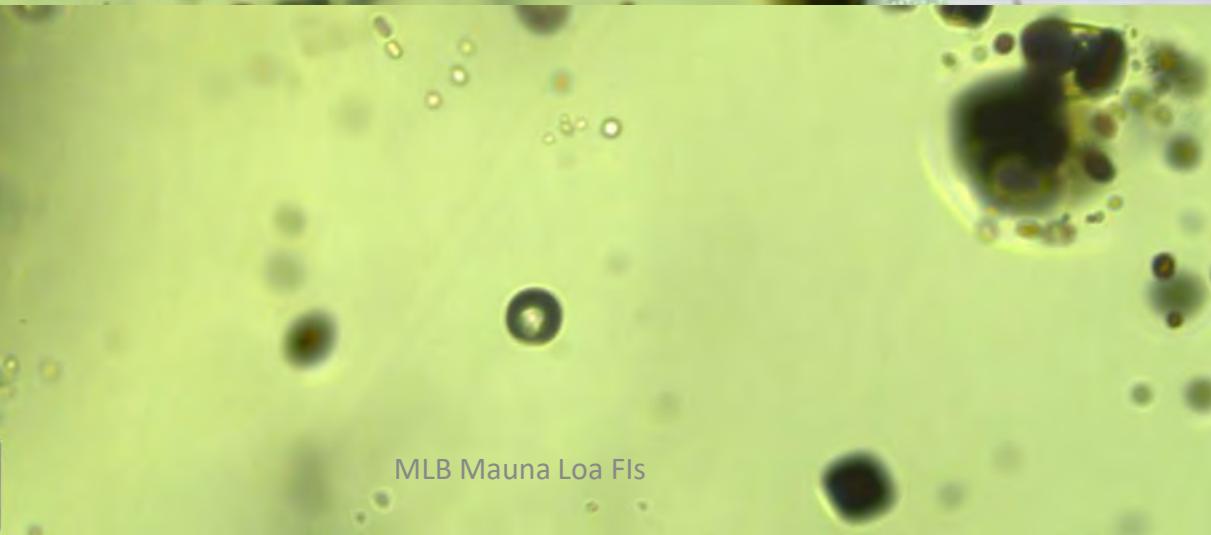
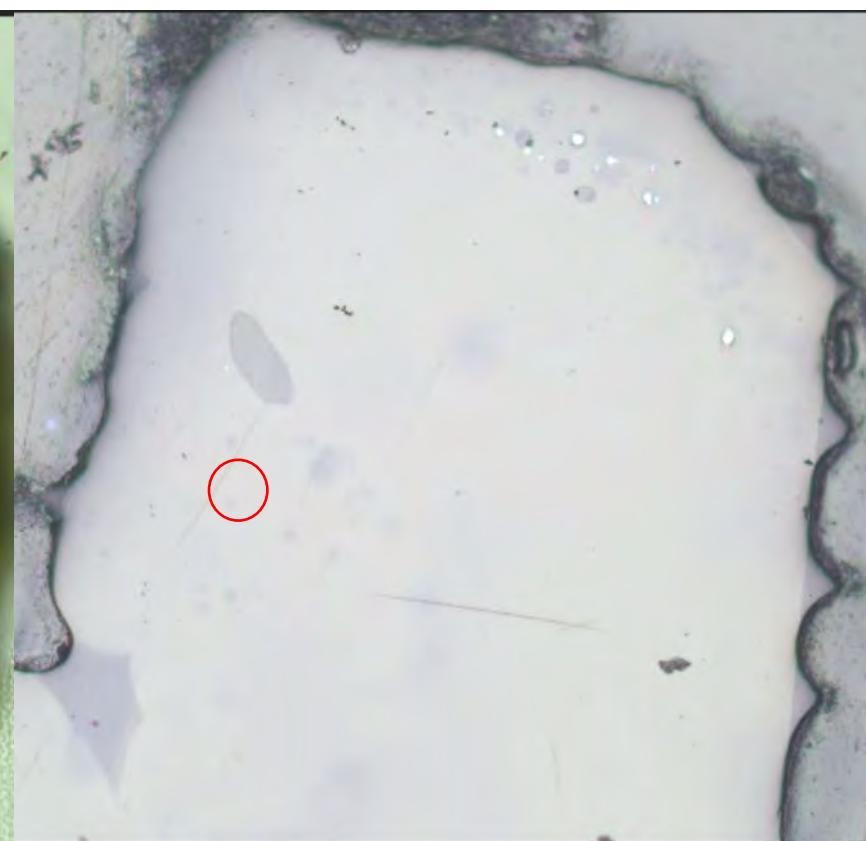
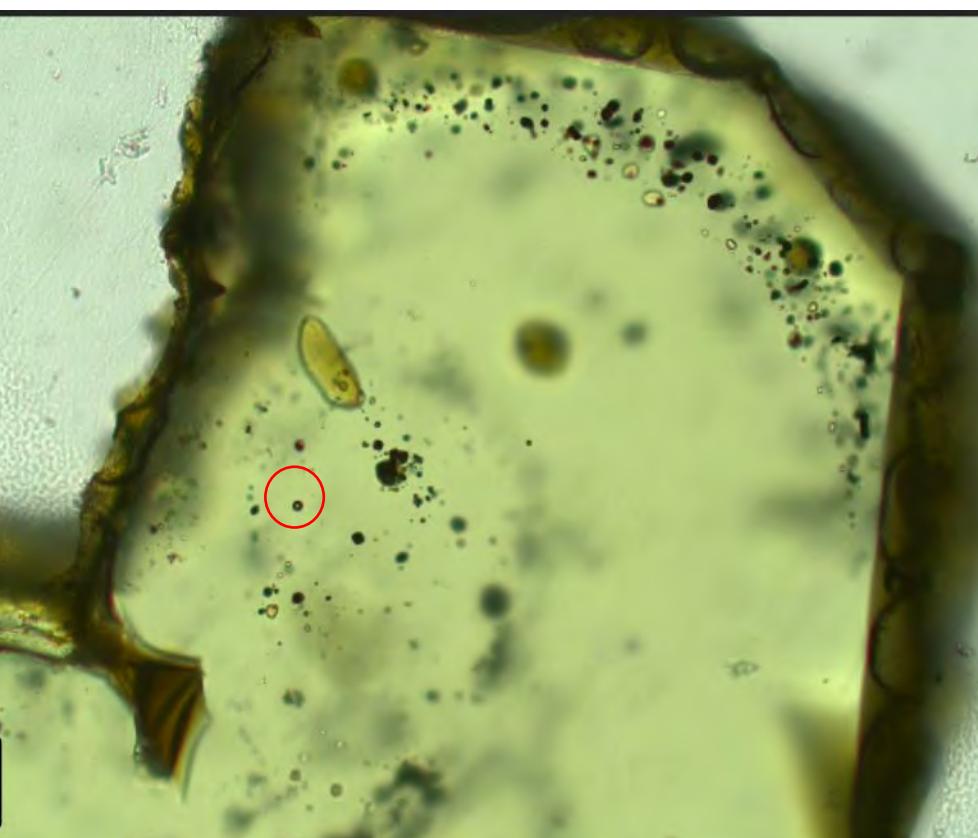
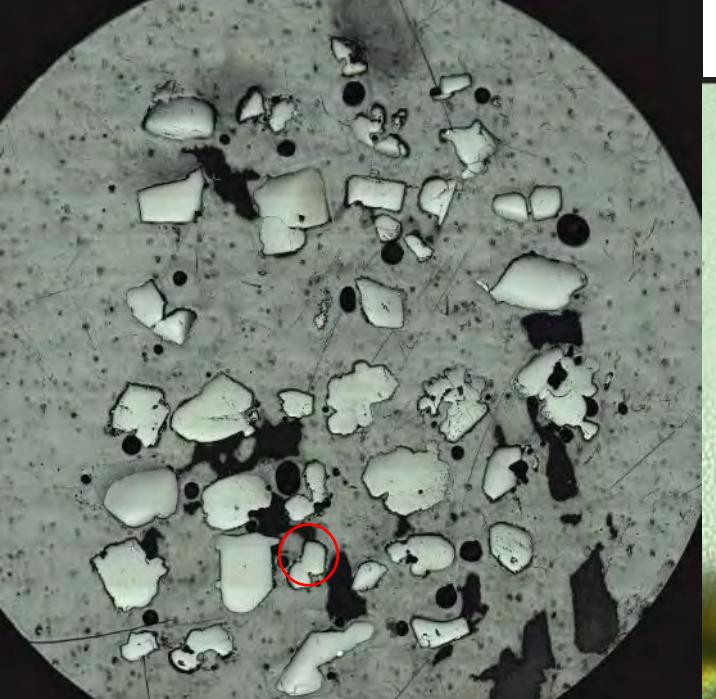
MP2\_10\_FIA – has a small melt film



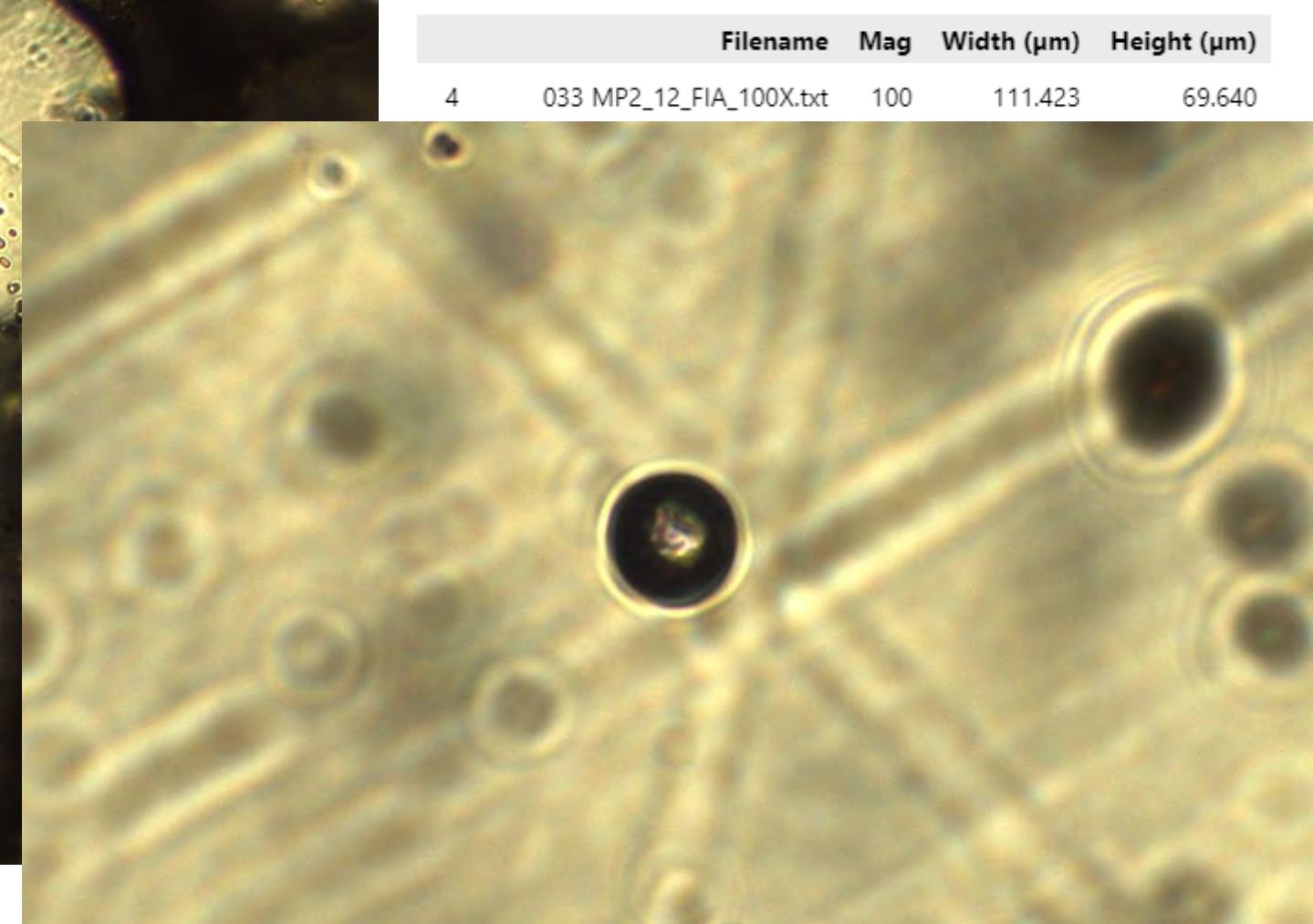
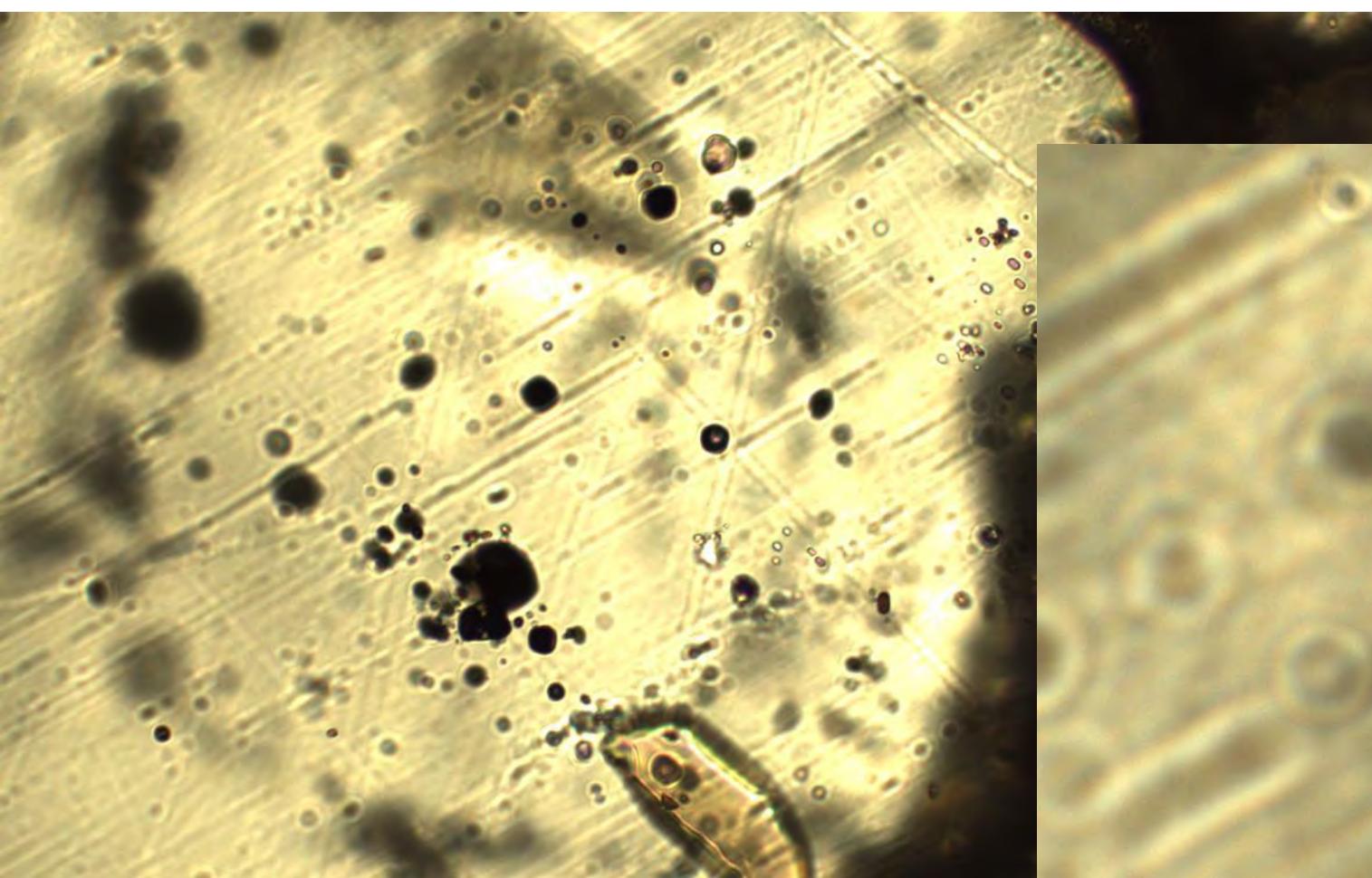
	Filename	Mag	Width (µm)	Height (µm)
1	003 MP2_10_FIA_50X.txt	50	222.124	138.828



MP2\_12\_FIA

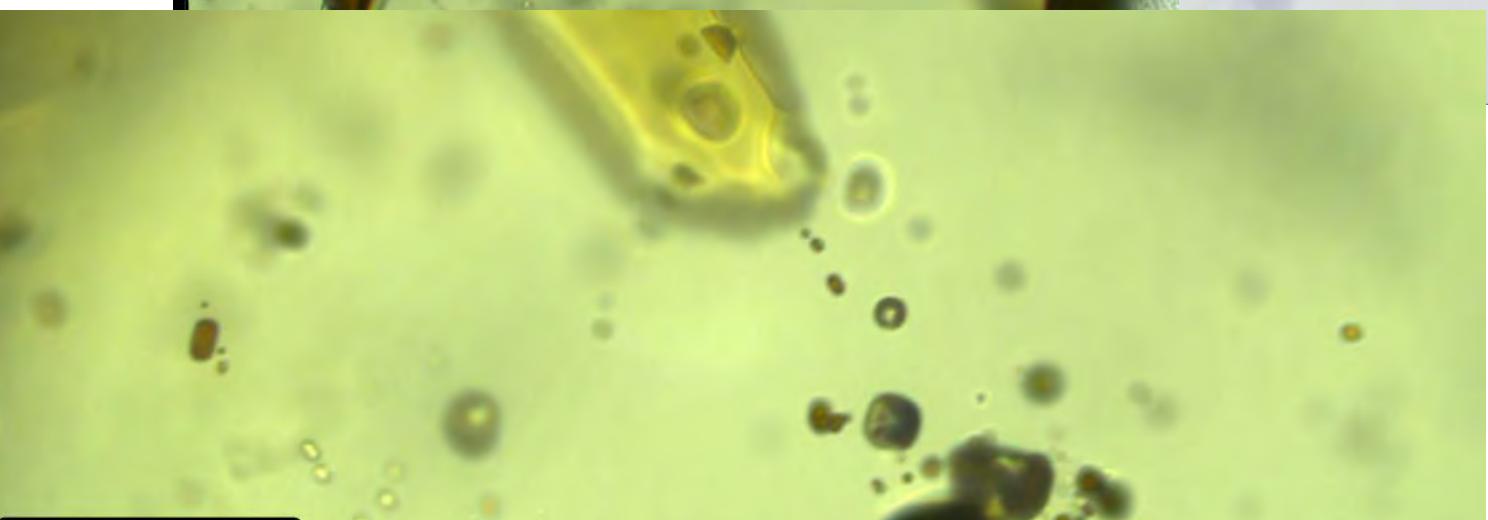
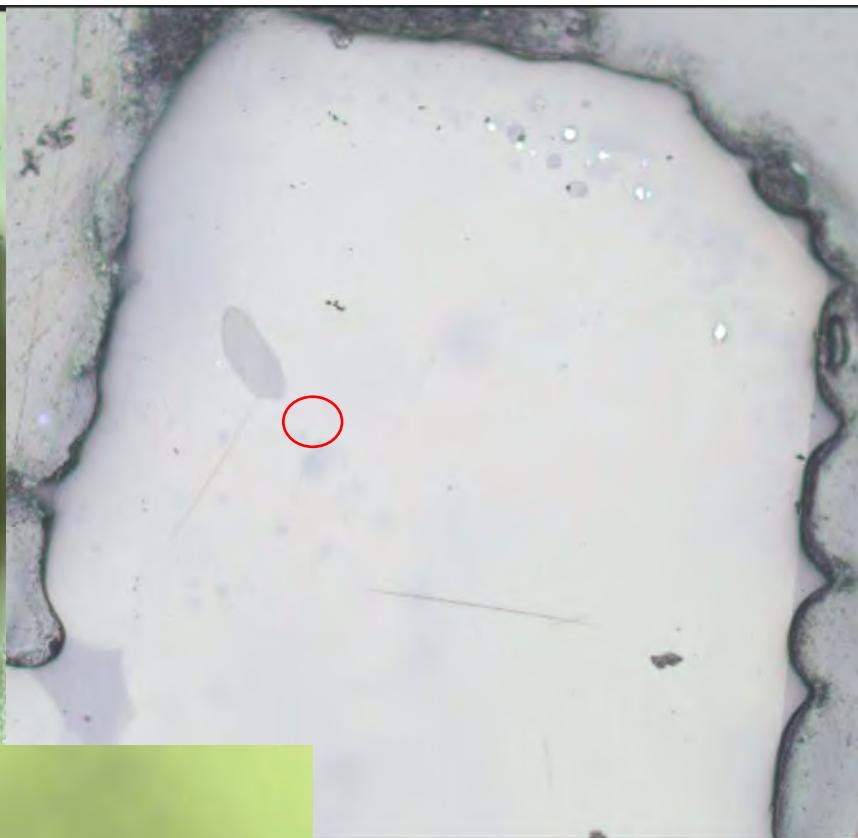
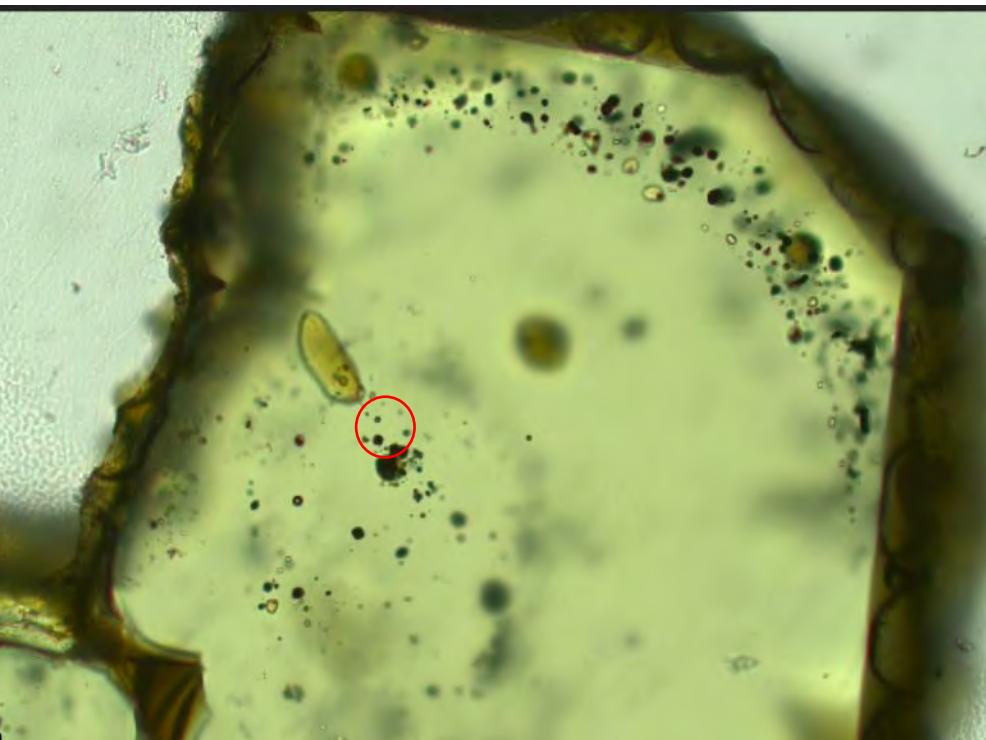
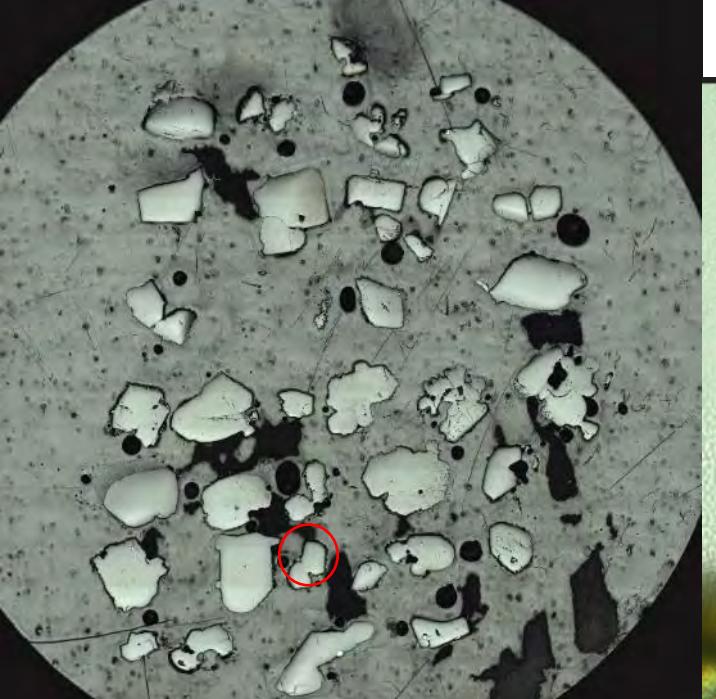


MP2\_12\_FIA



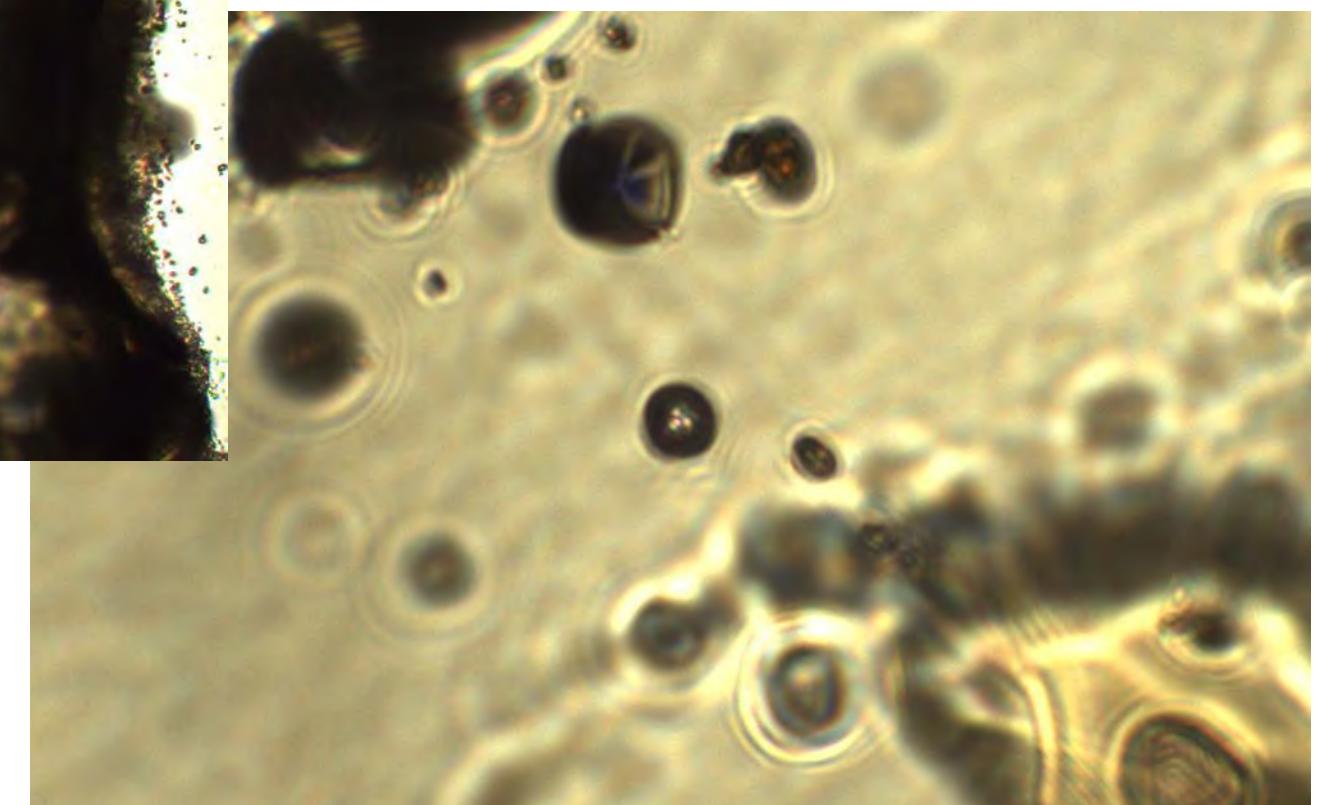
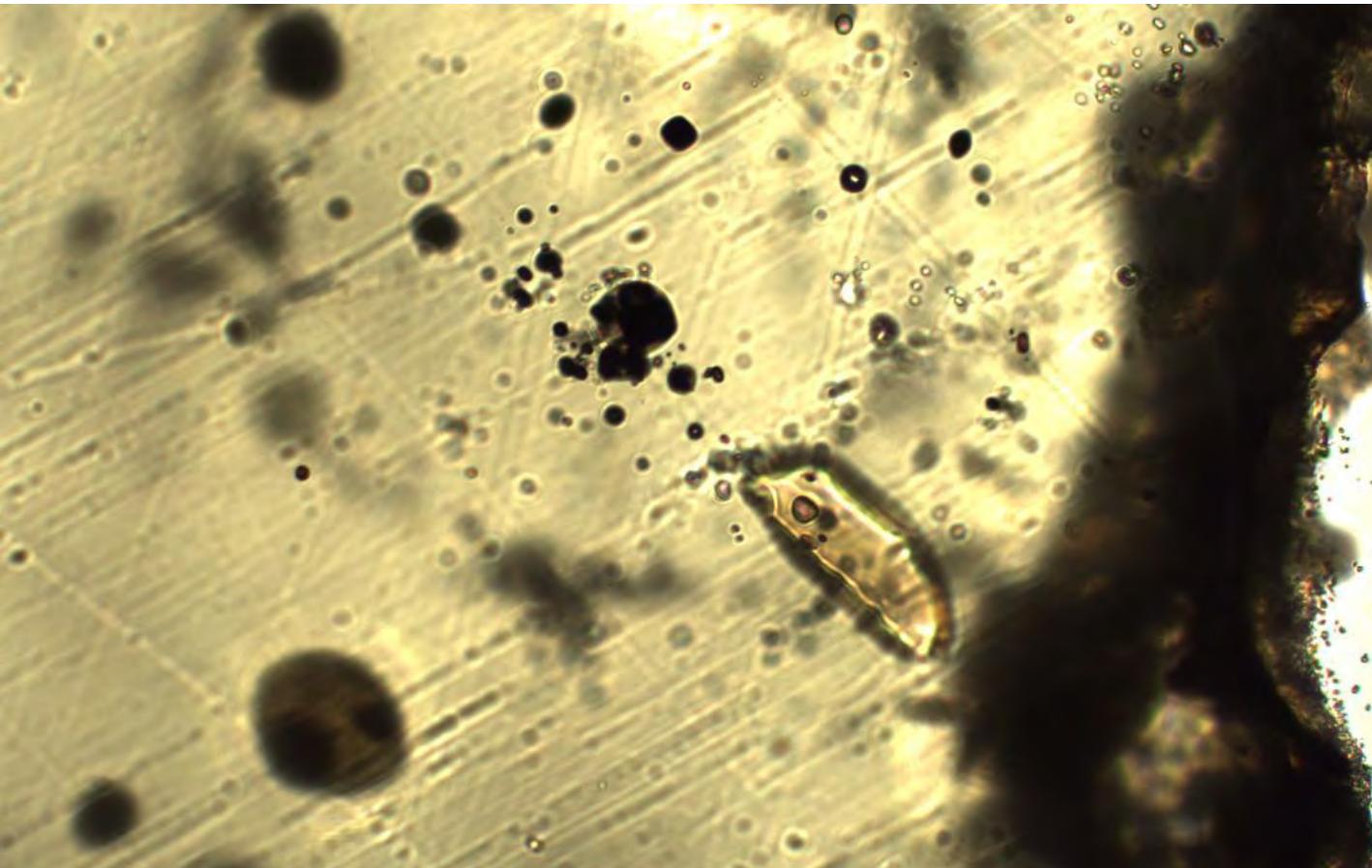
	Filename	Mag	Width (µm)	Height (µm)
4	033 MP2_12_FIA_100X.txt	100	111.423	69.640

MP2\_12\_FIB

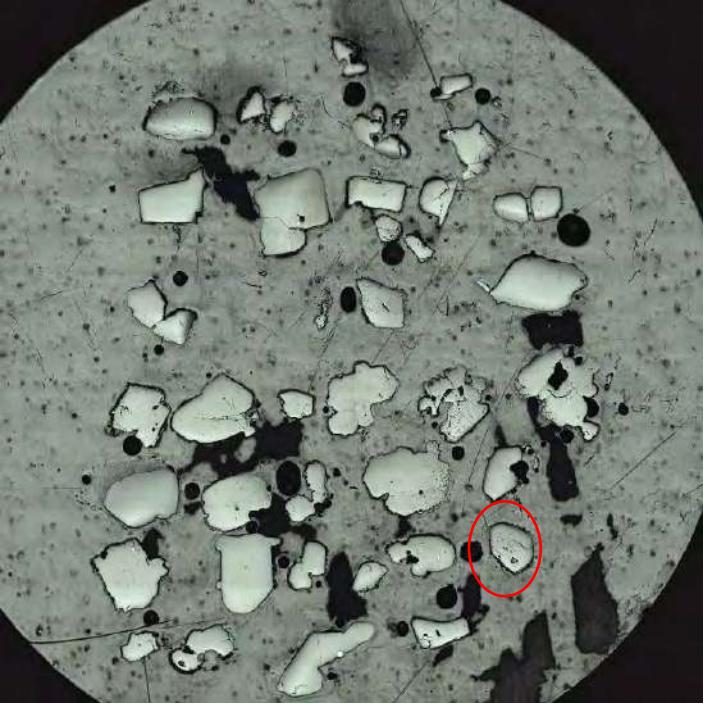


MLB Mauna Loa Fls

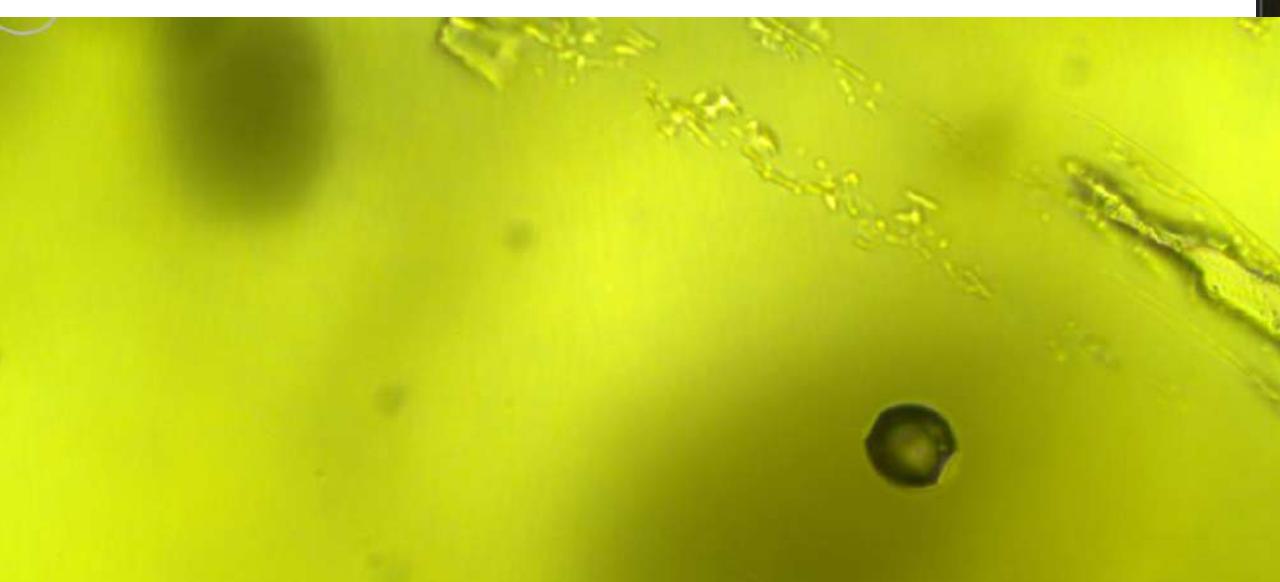
MP2\_12\_FIB



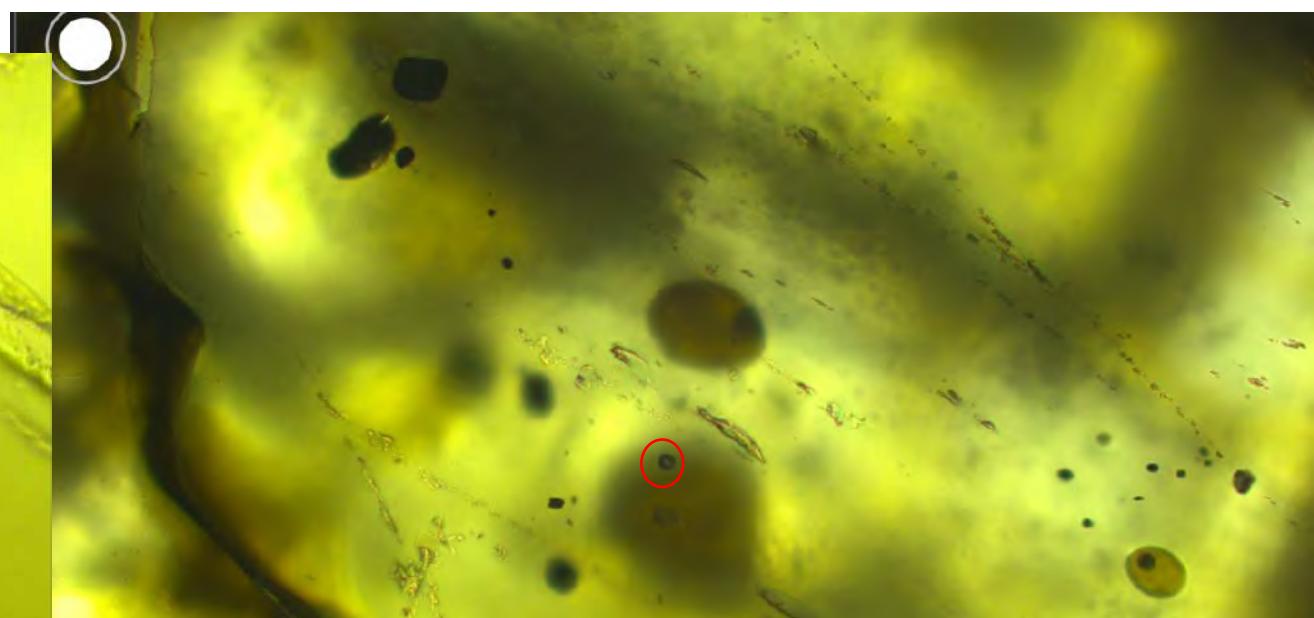
	Filename	Mag	Width (μm)	Height (μm)
5	037 MP2_12_FIB_100X.txt	100	111.423	69.640



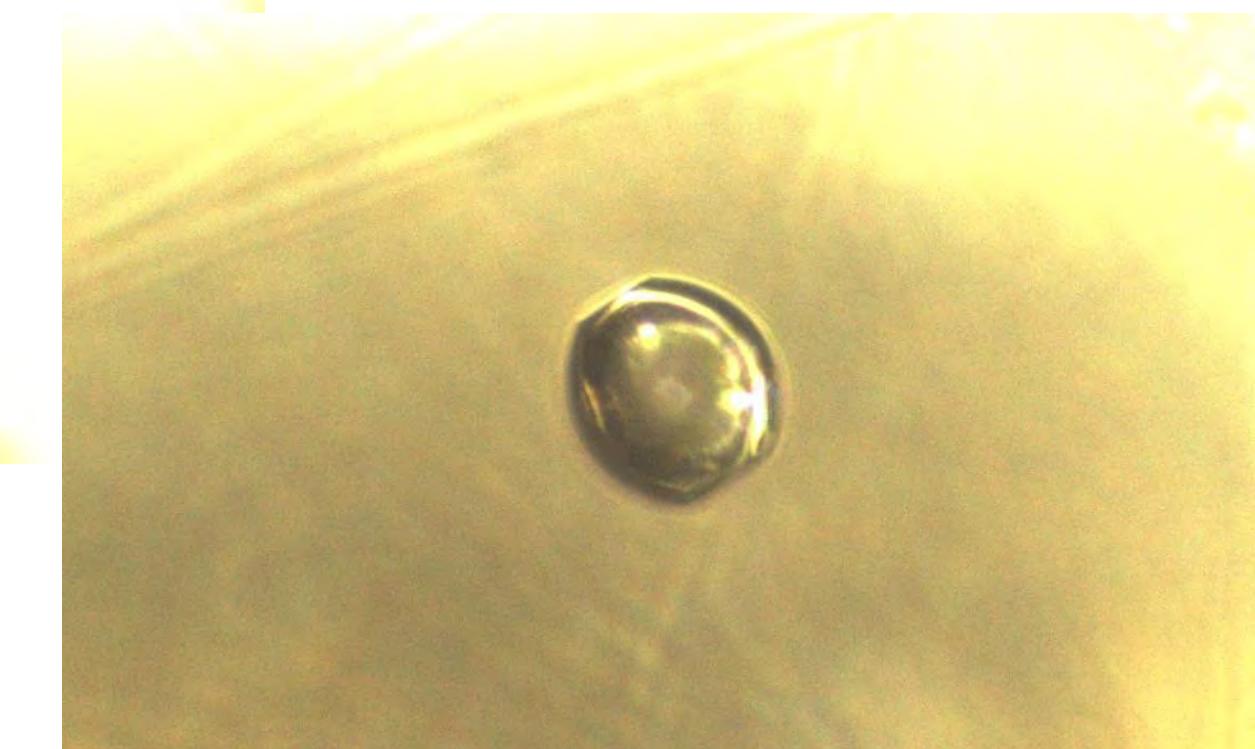
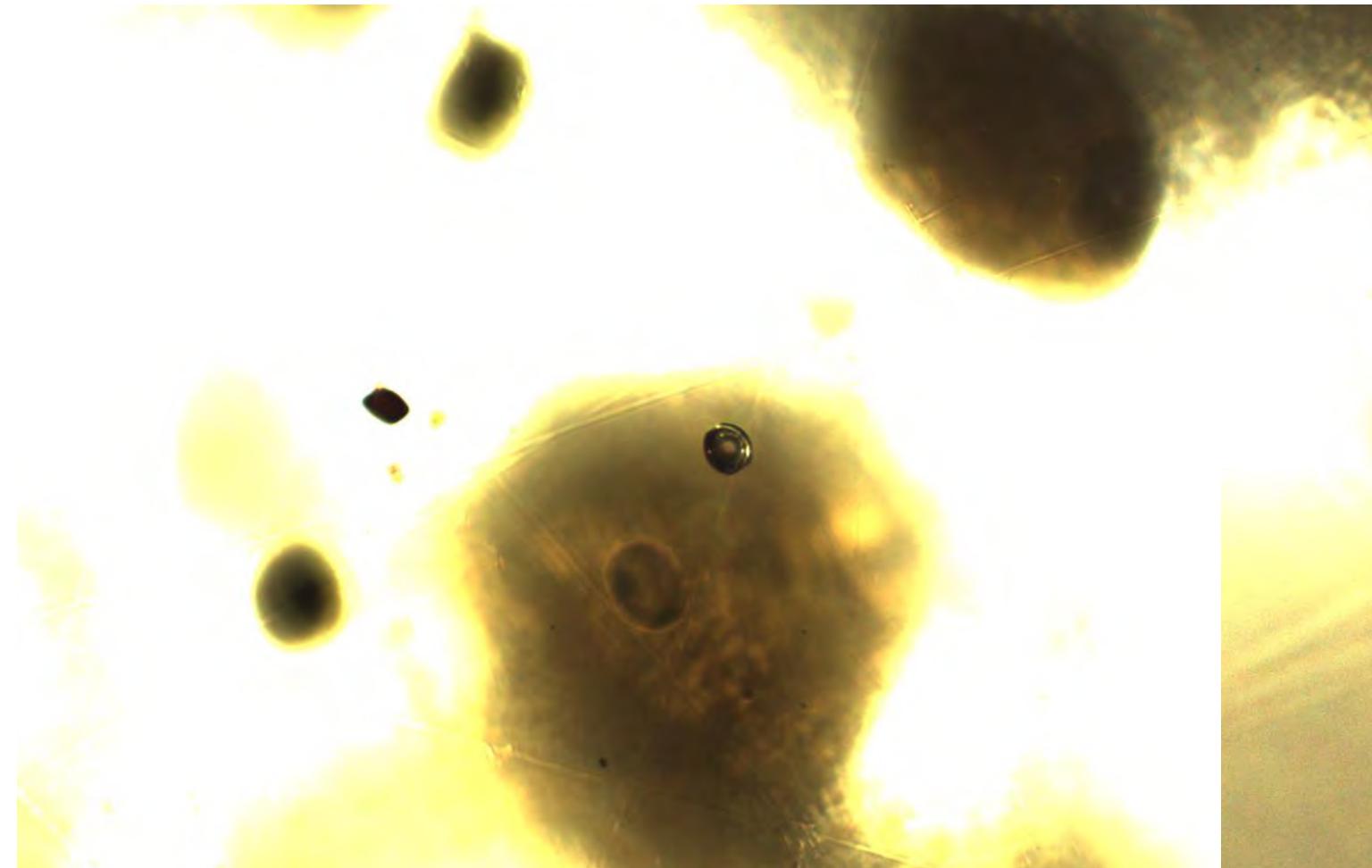
MP2\_13\_FIA



MLB Mauna Loa Fls

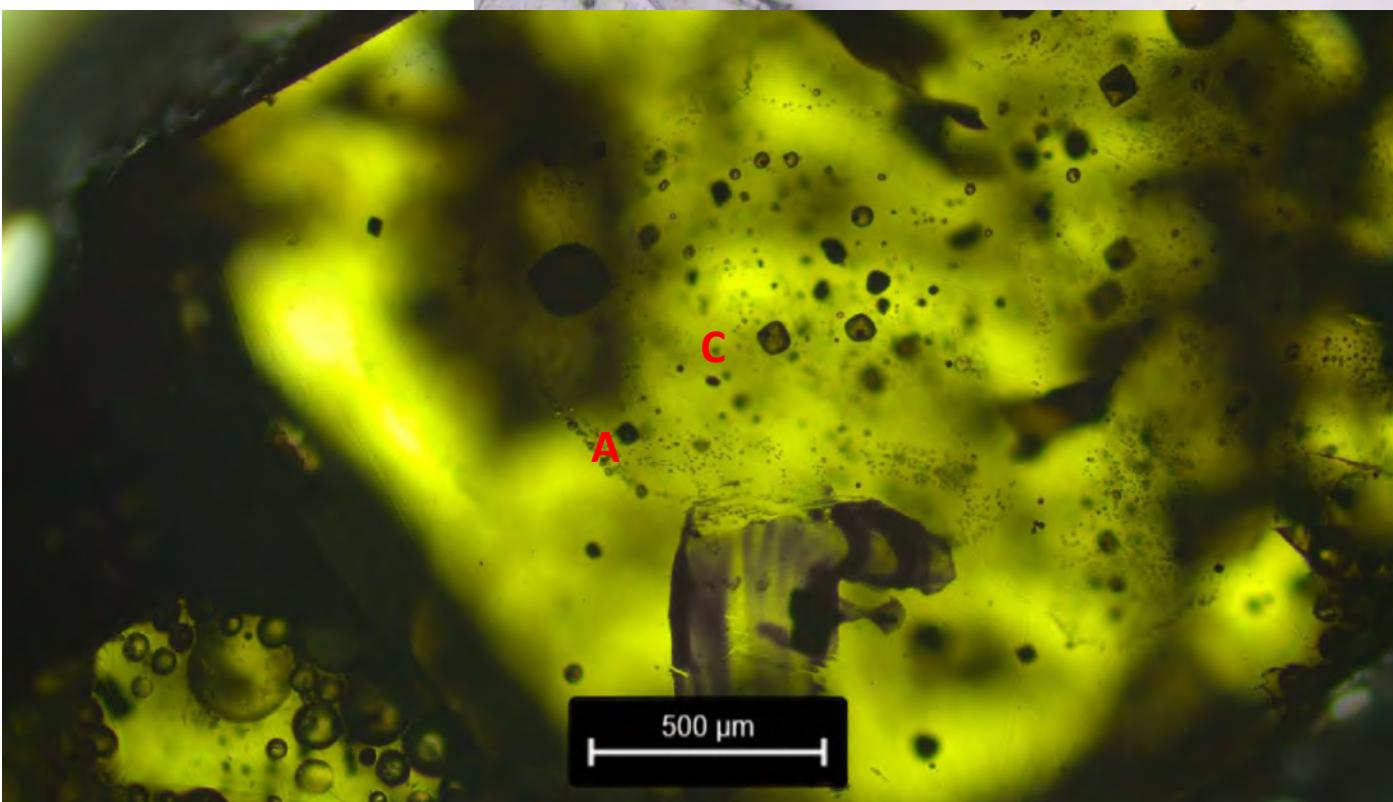
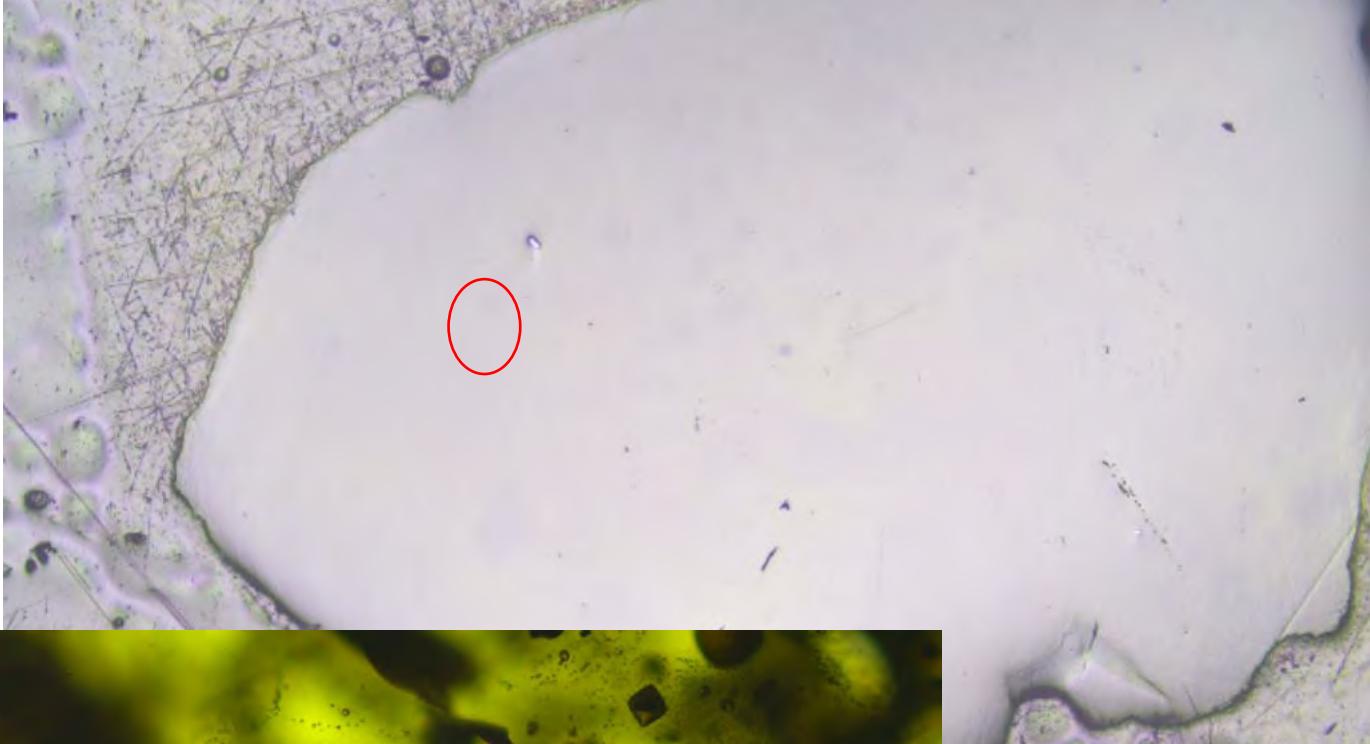
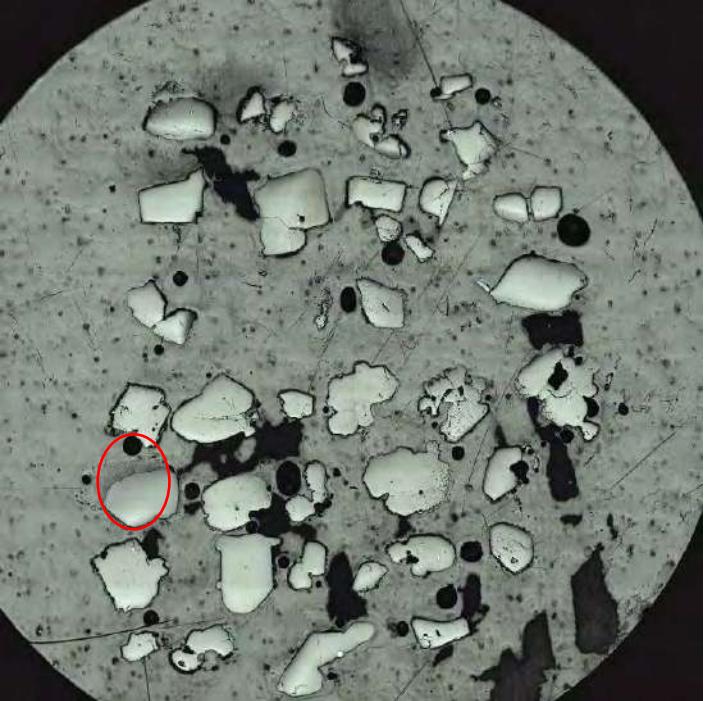


# MP2\_13\_FIA

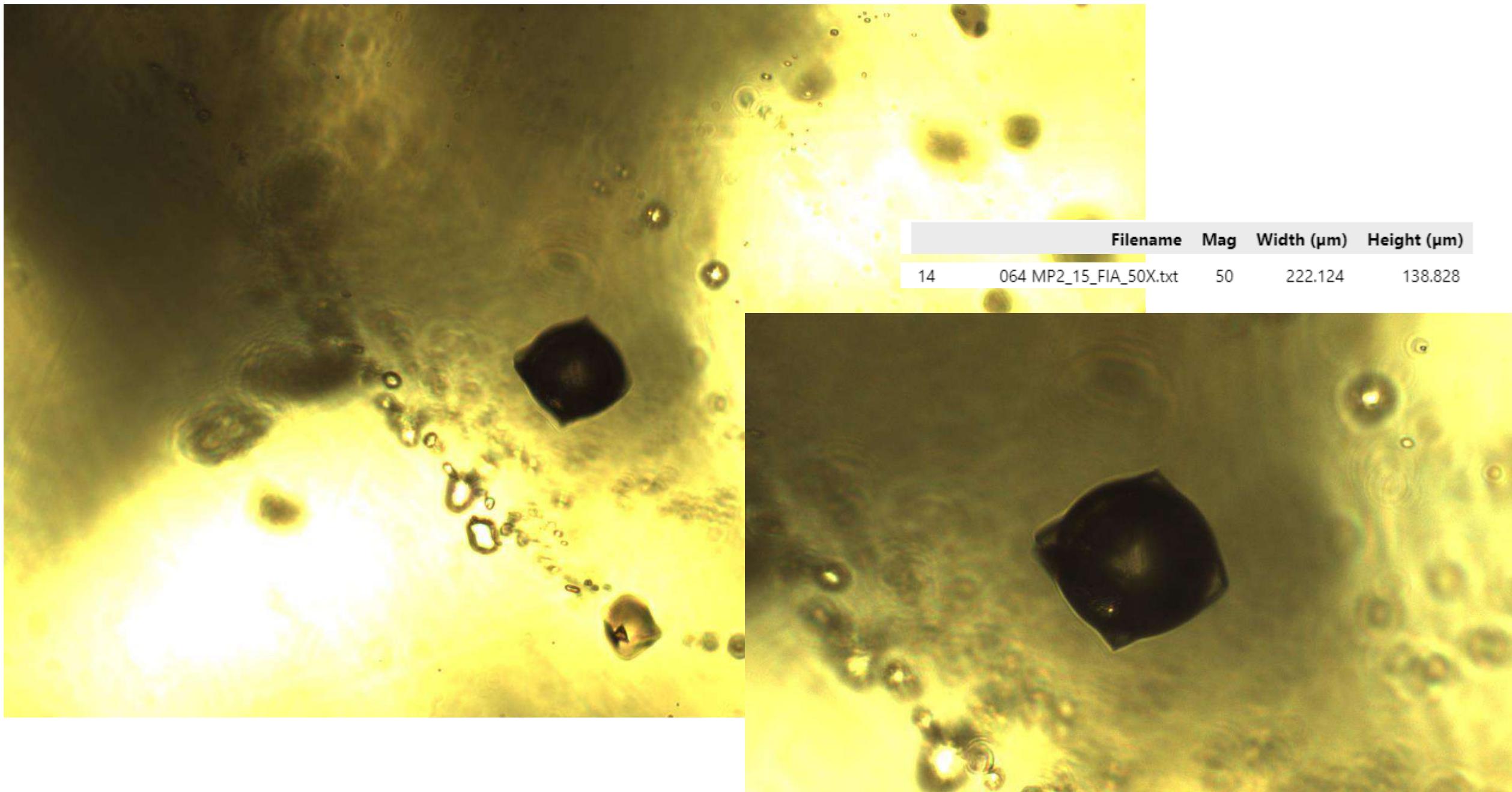


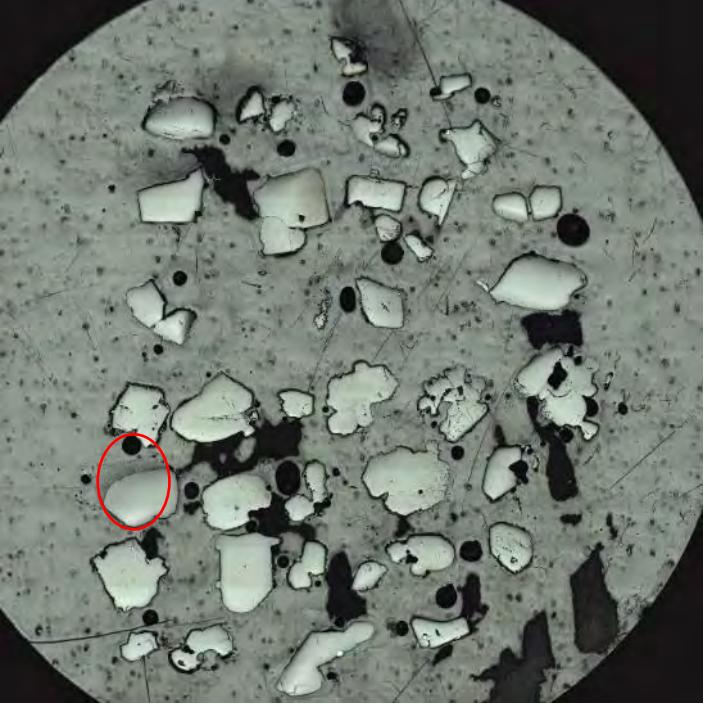
	Filename	Mag	Width (μm)	Height (μm)
9	048 MP2_13_FIA_100X.txt	100	111.423	69.640

MP2\_15\_FIA

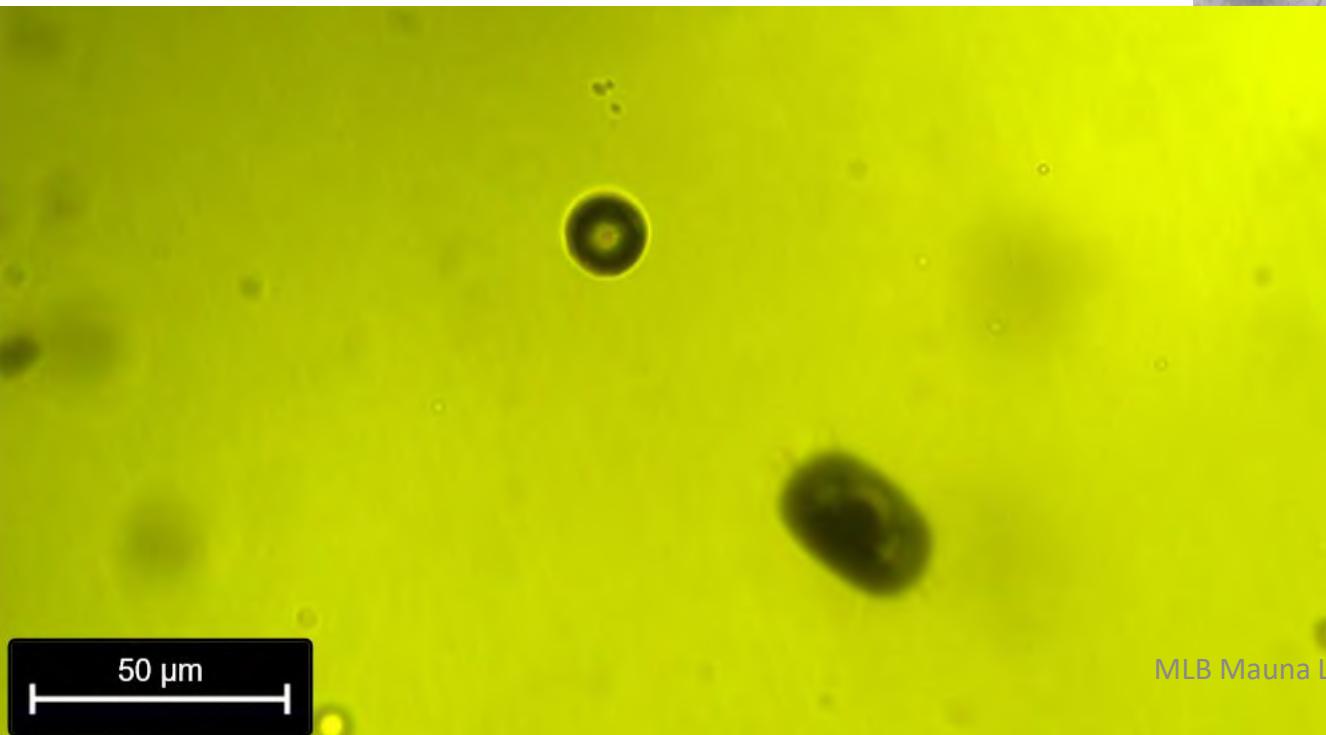


MP2\_15\_FIA

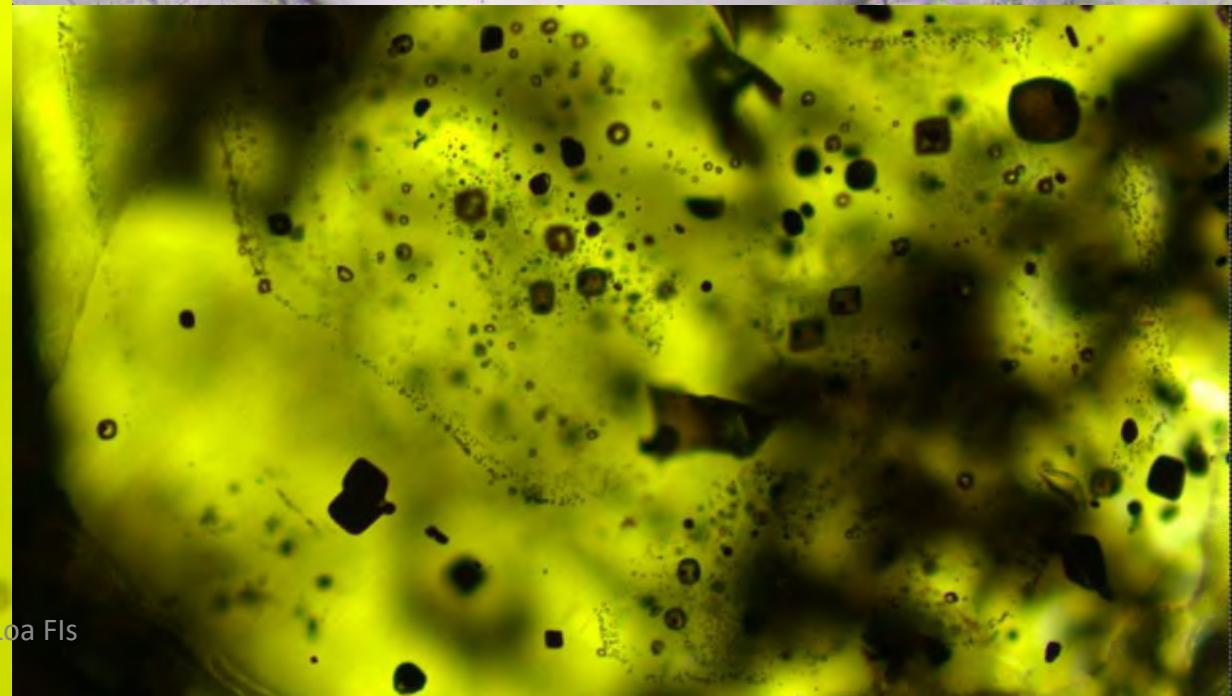




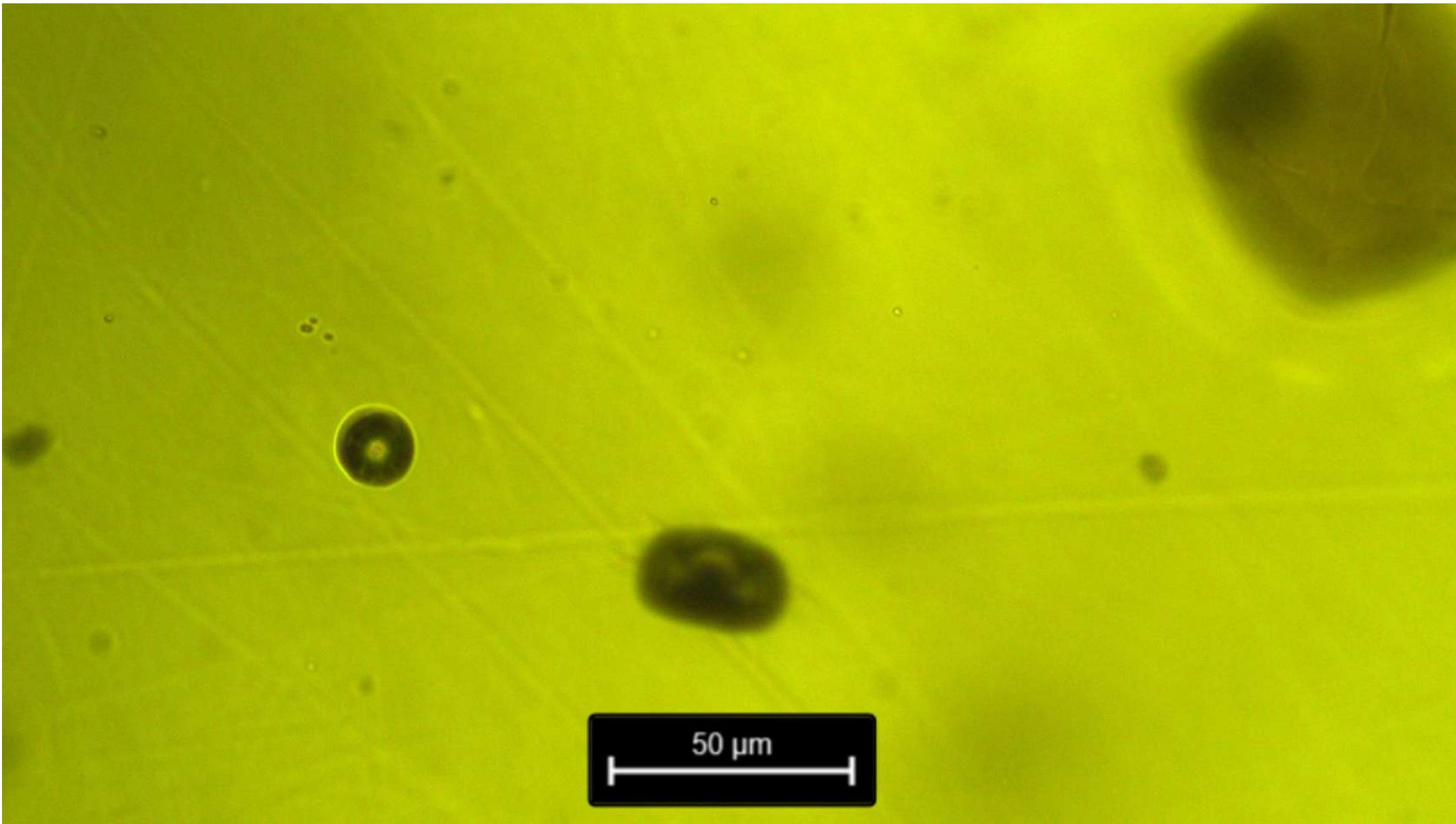
MP2\_15\_FIC



MLB Mauna Loa Fls

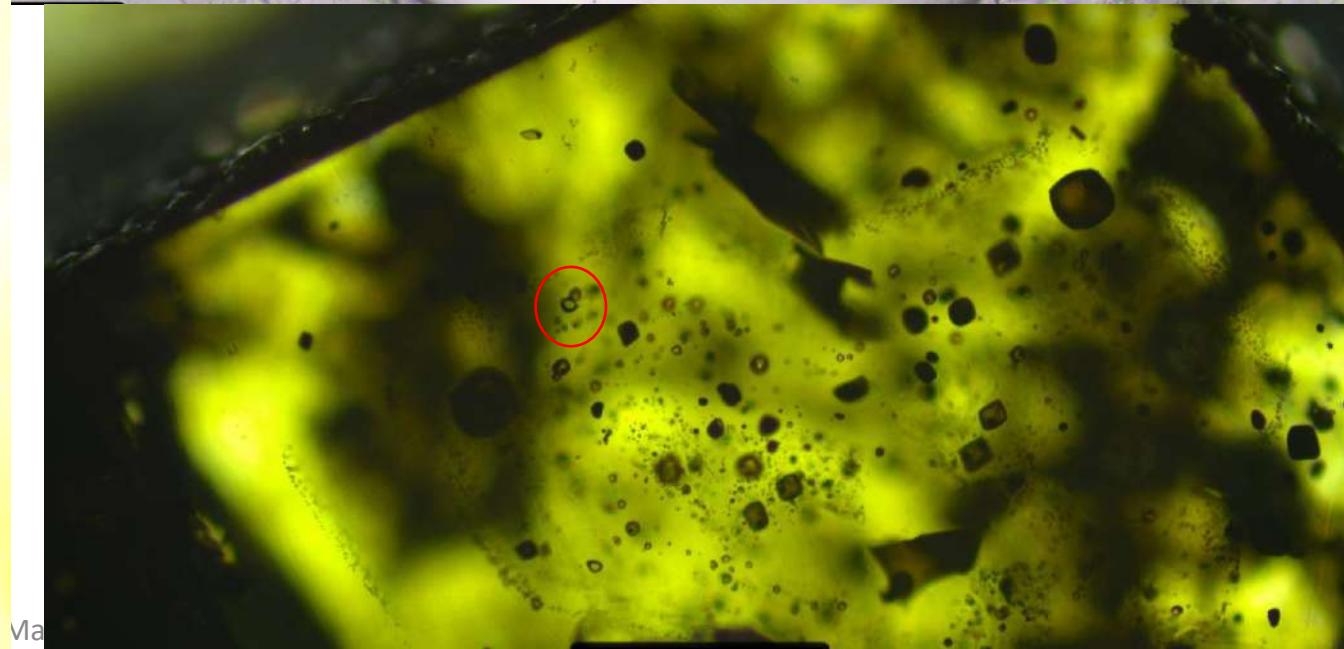
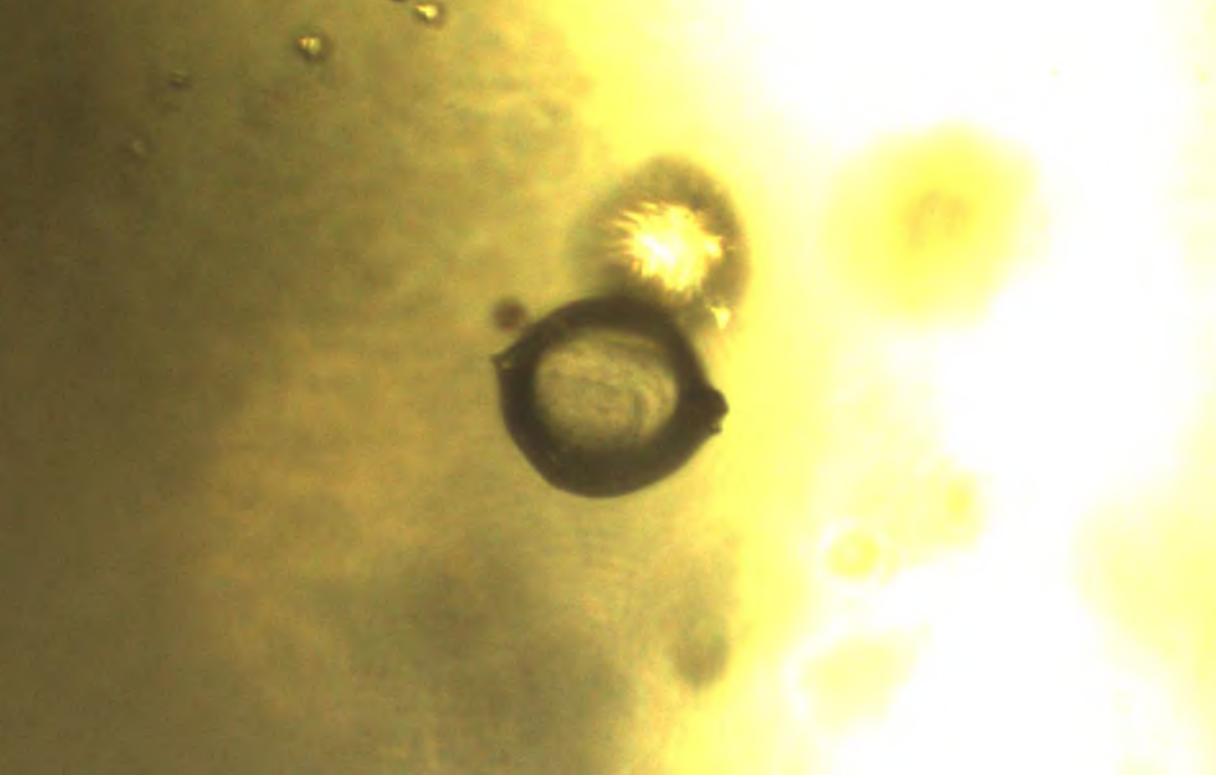


MP2\_15\_FIC



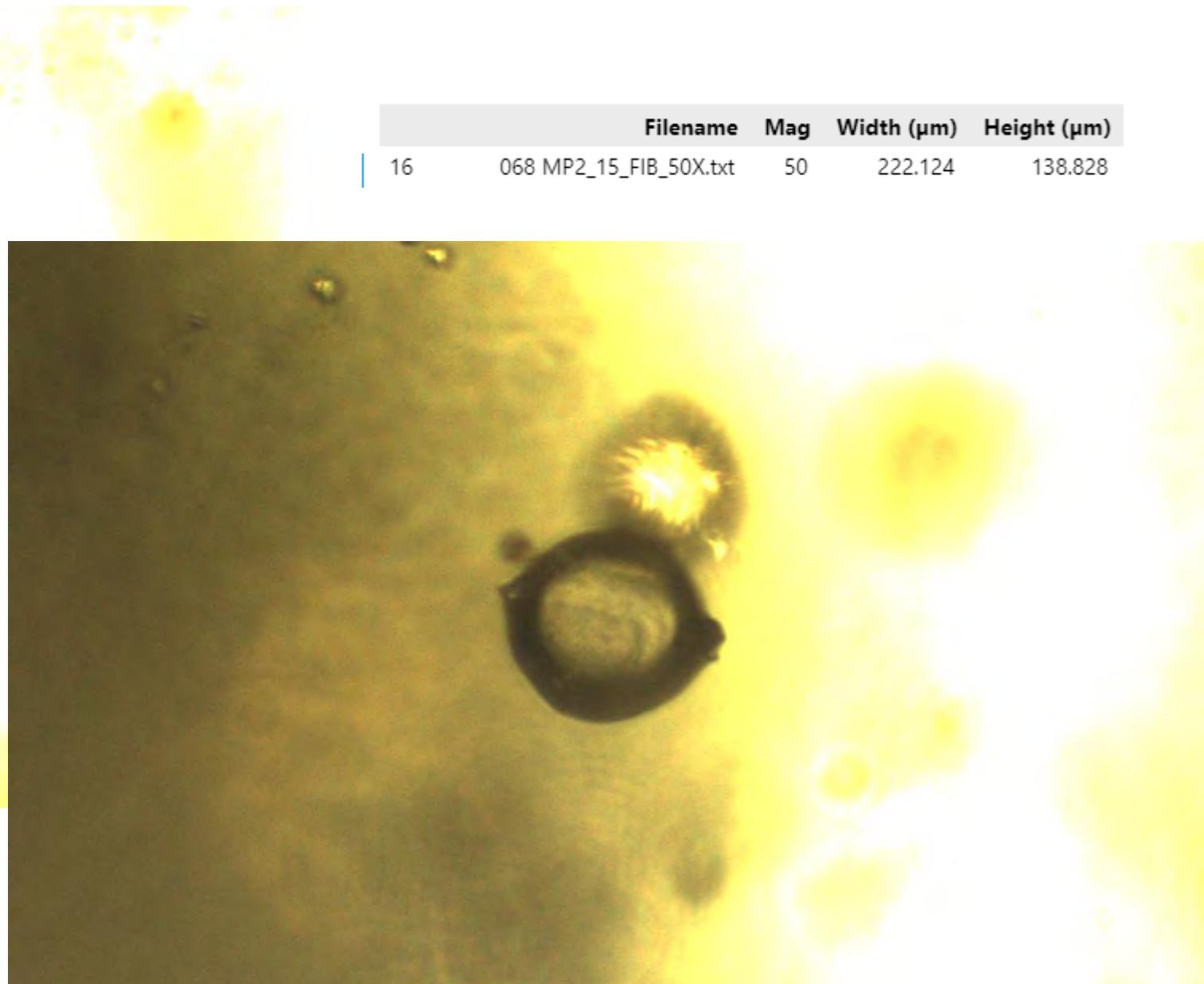
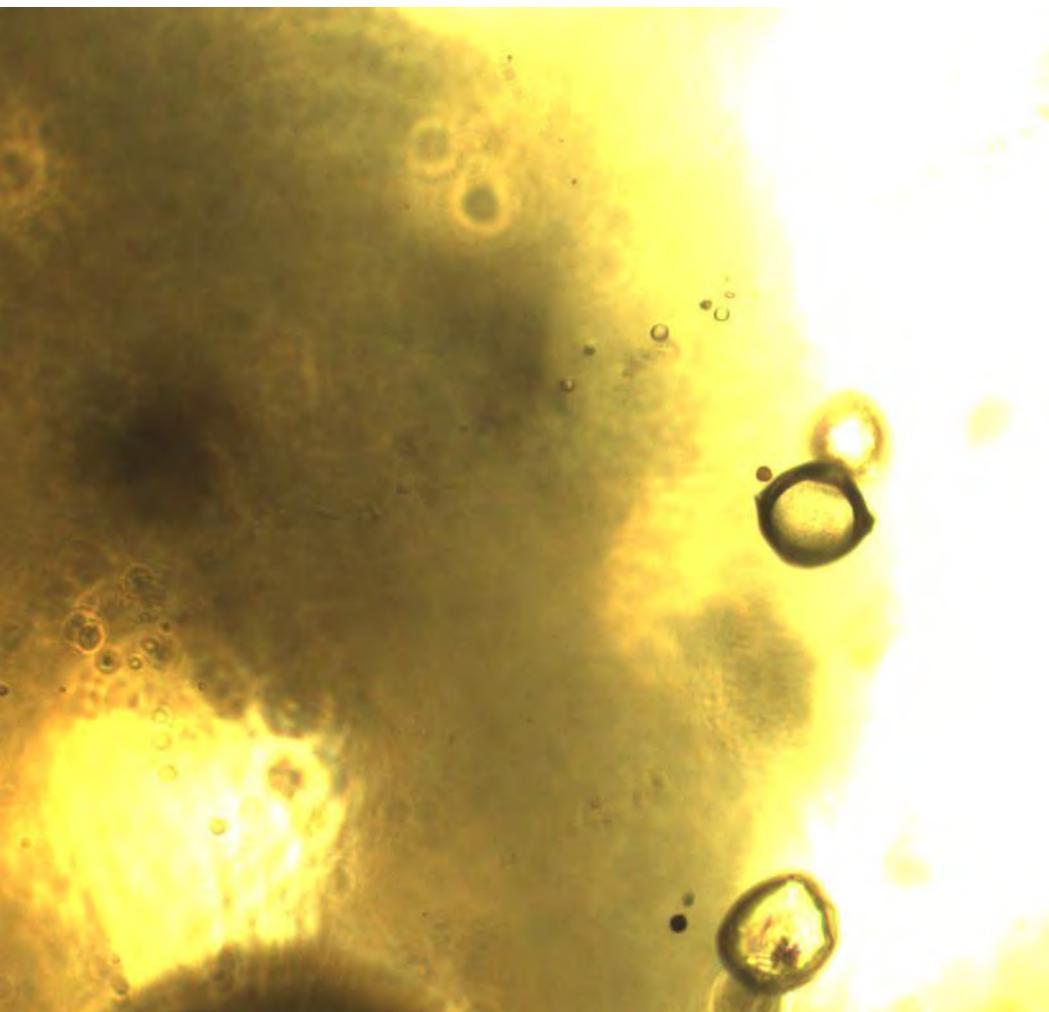


MP2\_15\_FIB



Vla

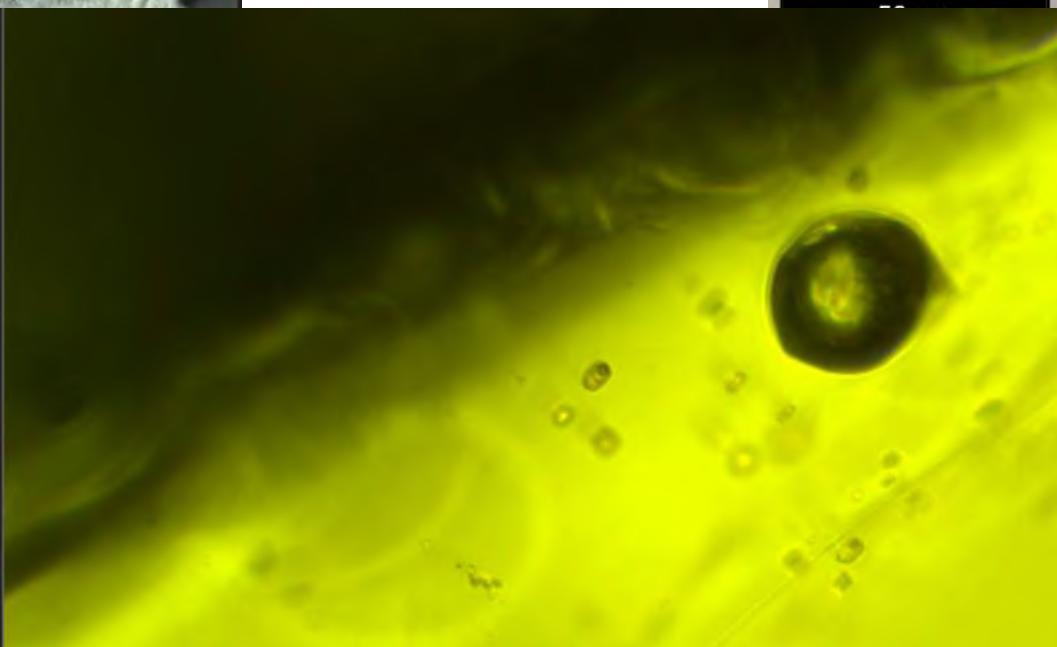
# MP2\_15\_FIB



	Filename	Mag	Width (μm)	Height (μm)
16	068 MP2_15_FIB_50X.txt	50	222.124	138.828



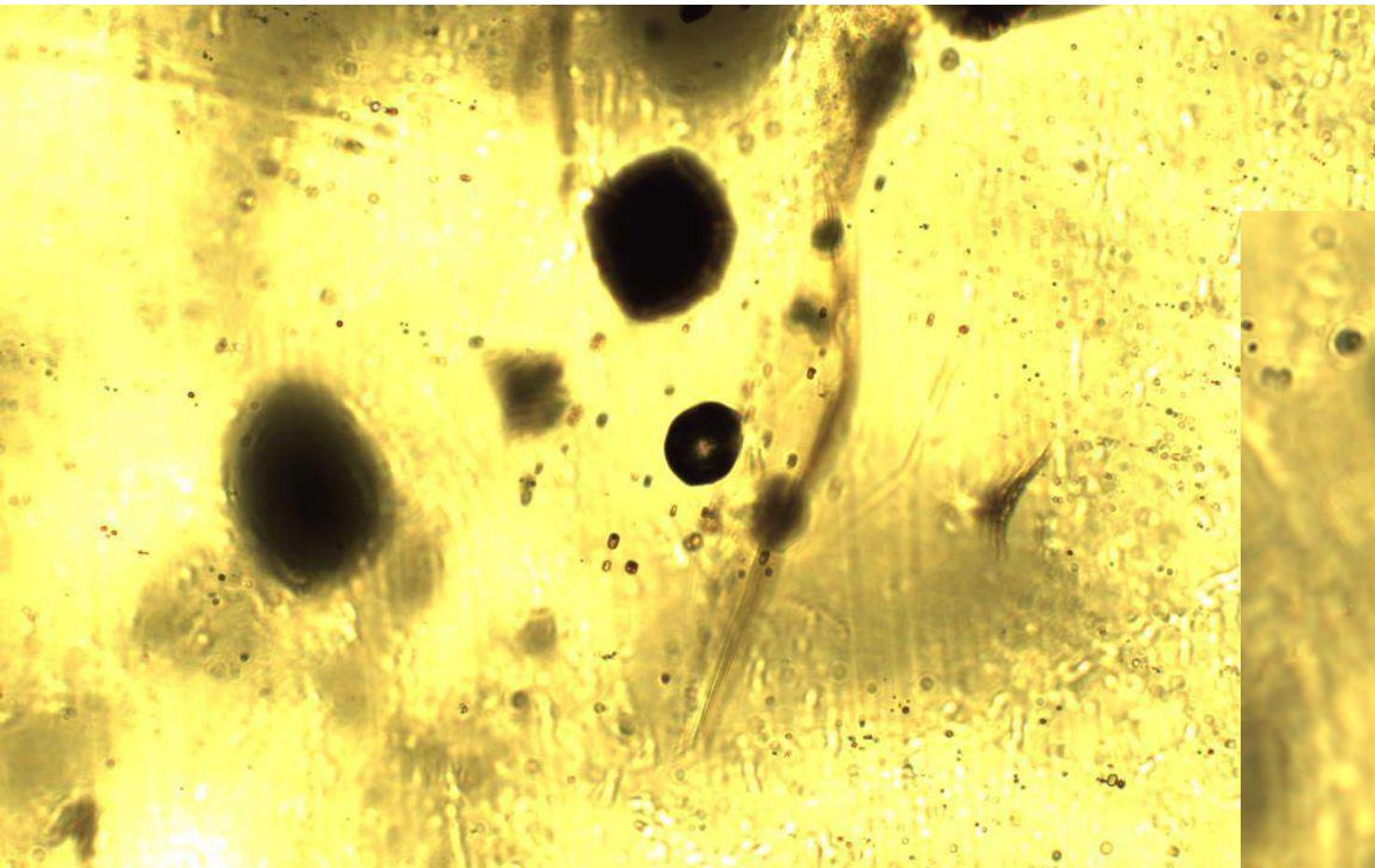
MLP\_4\_FIA



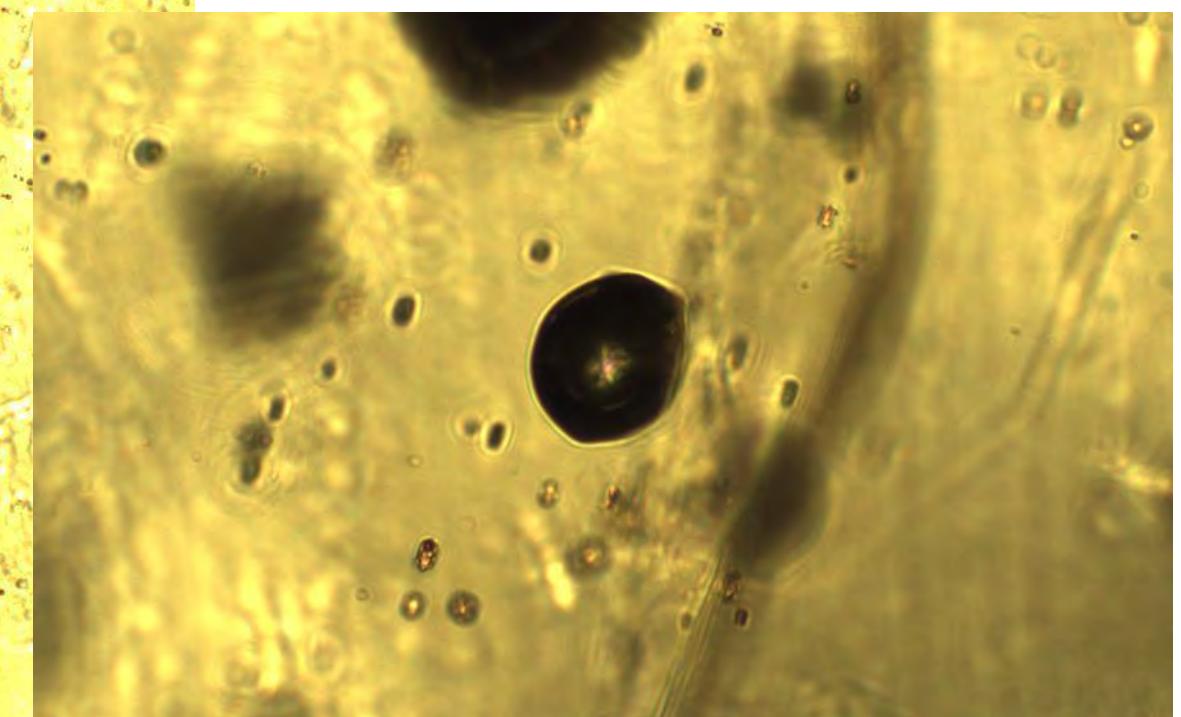
MLC\_MaunaLoa\_Fls



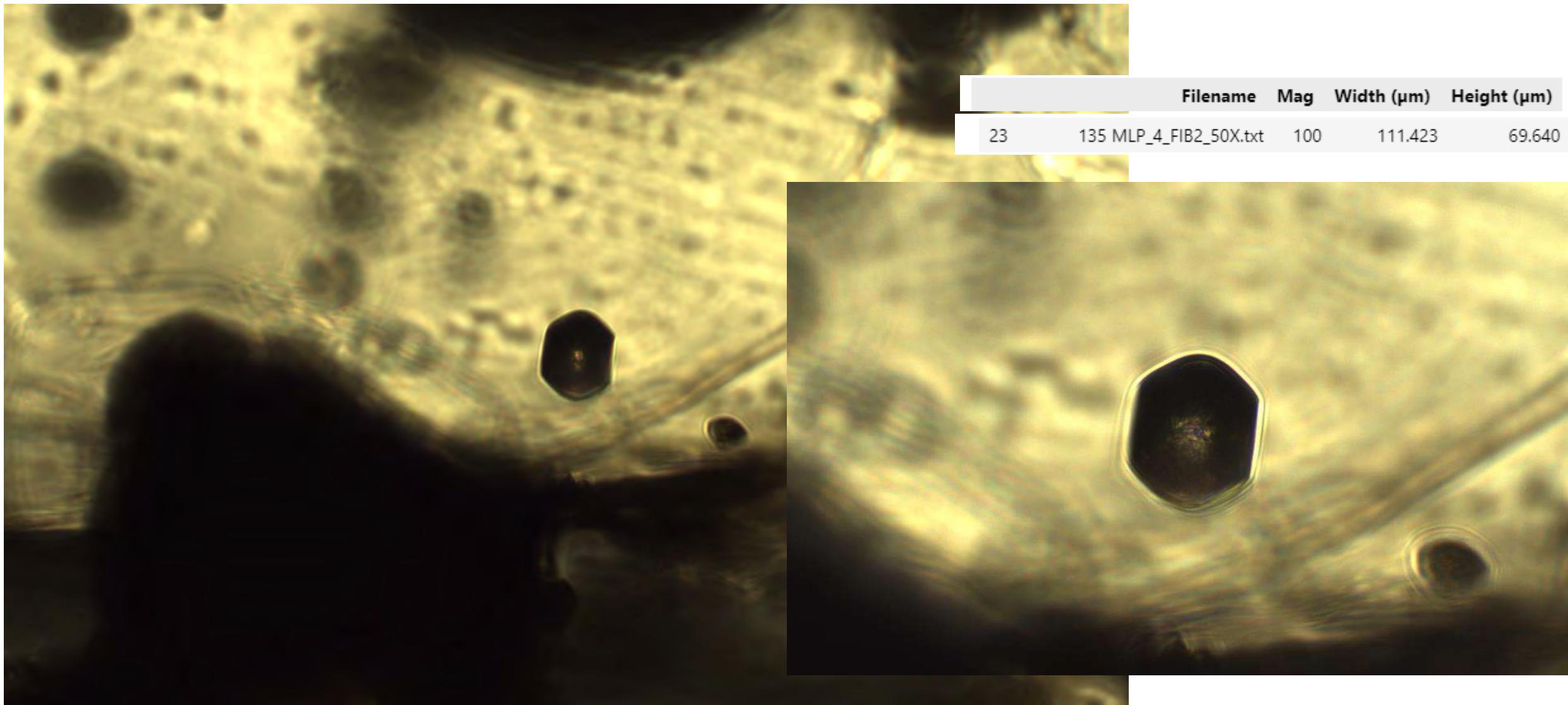
# MLP\_4\_FIA



	Filename	Mag	Width (µm)	Height (µm)
19	126 MLP_4_FIB_50X.txt	50	222.124	138.828



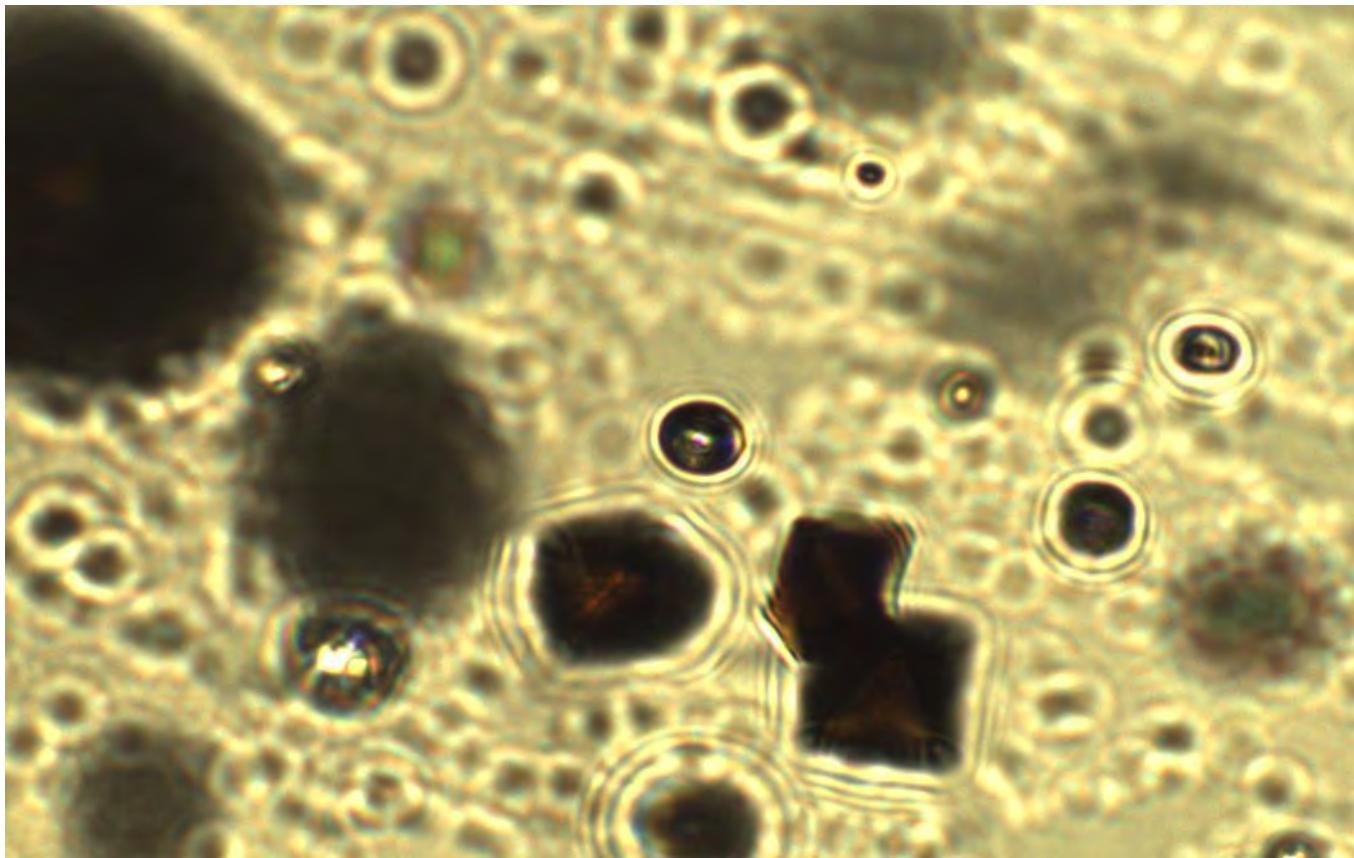
# MLP\_4\_FIB2



	Filename	Mag	Width (μm)	Height (μm)
23	135 MLP_4_FIB2_50X.txt	100	111.423	69.640

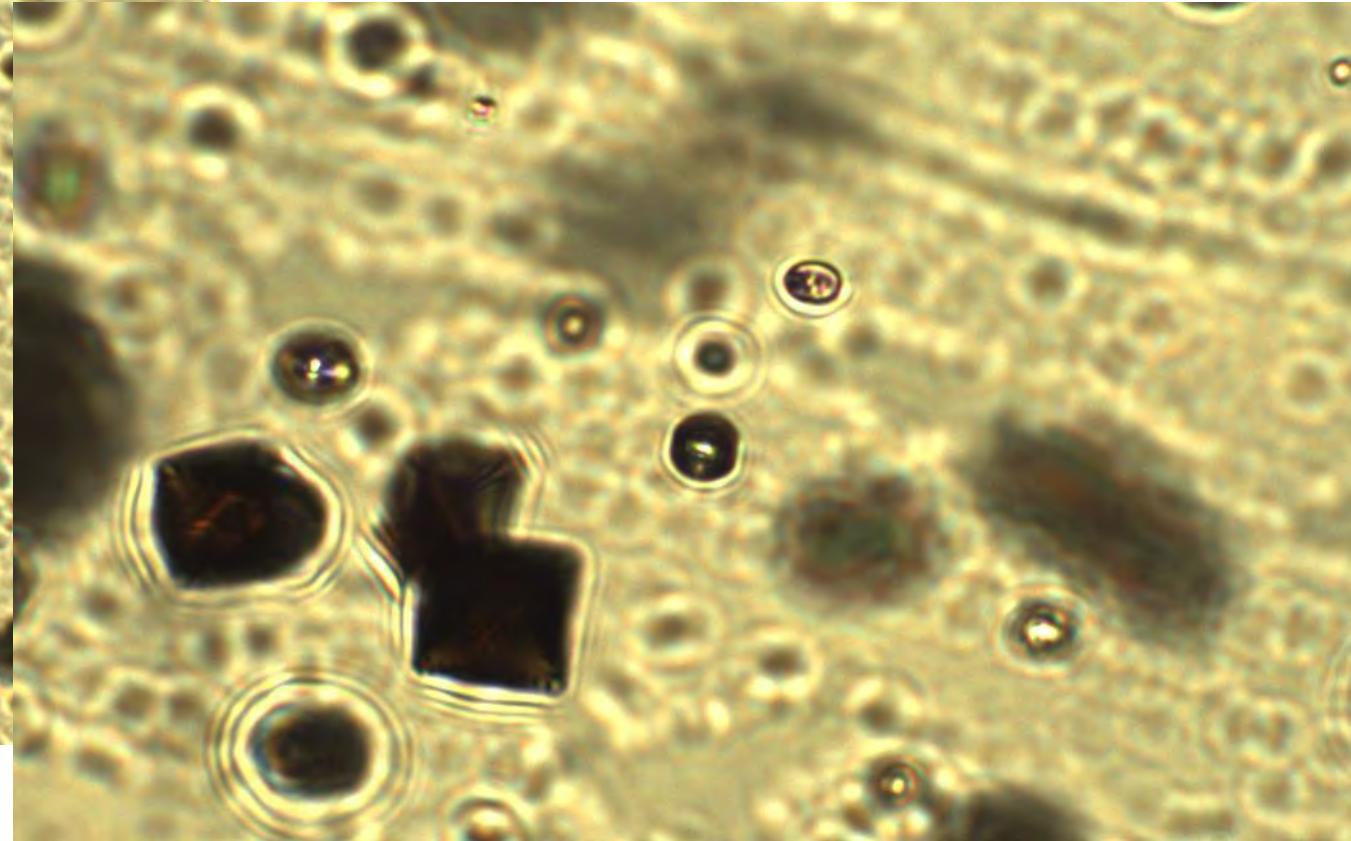
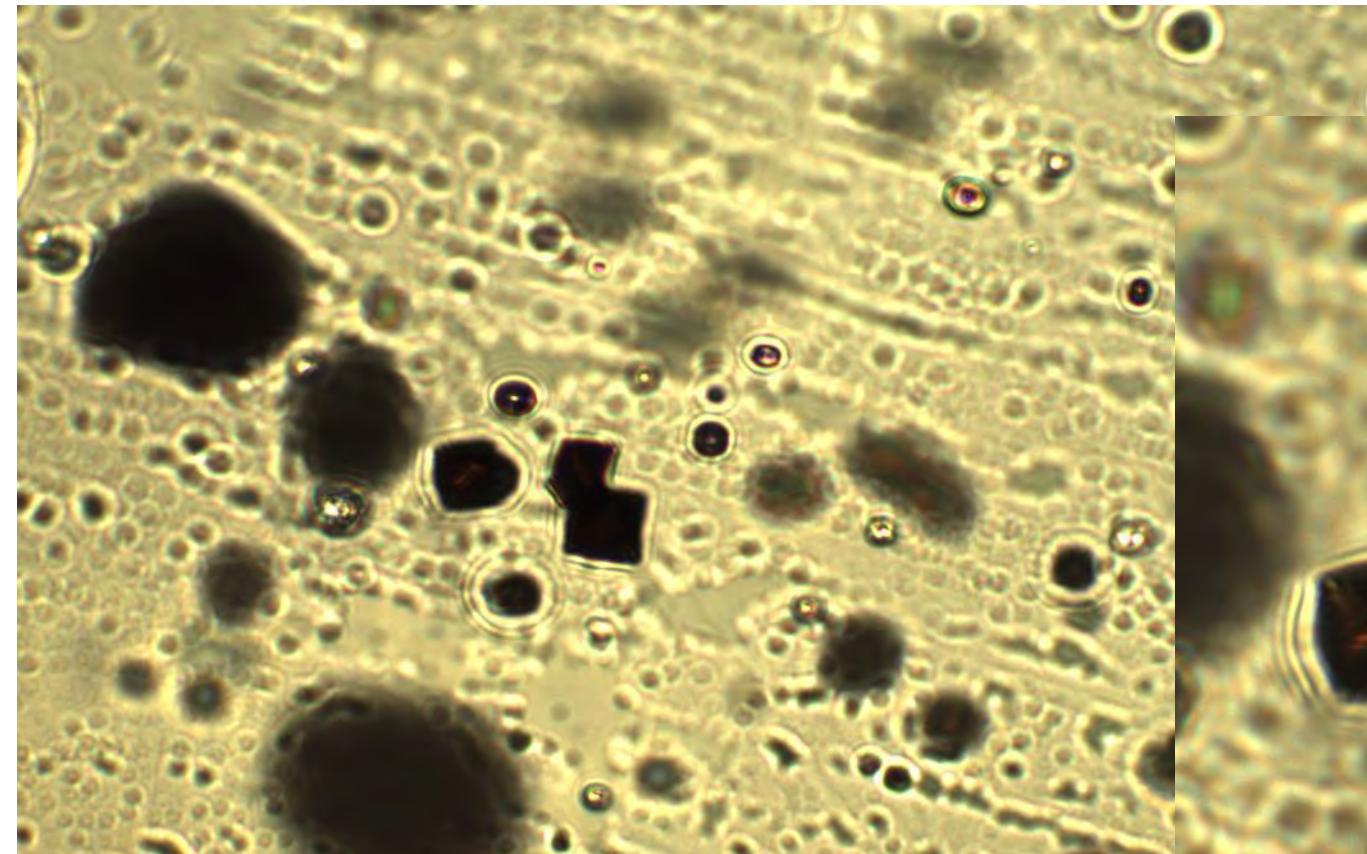
# MLP\_4\_FIB\_repeat

	Filename	Mag	Width (μm)	Height (μm)
25	139 MLP_4_FIC.txt	50	222.124	138.828



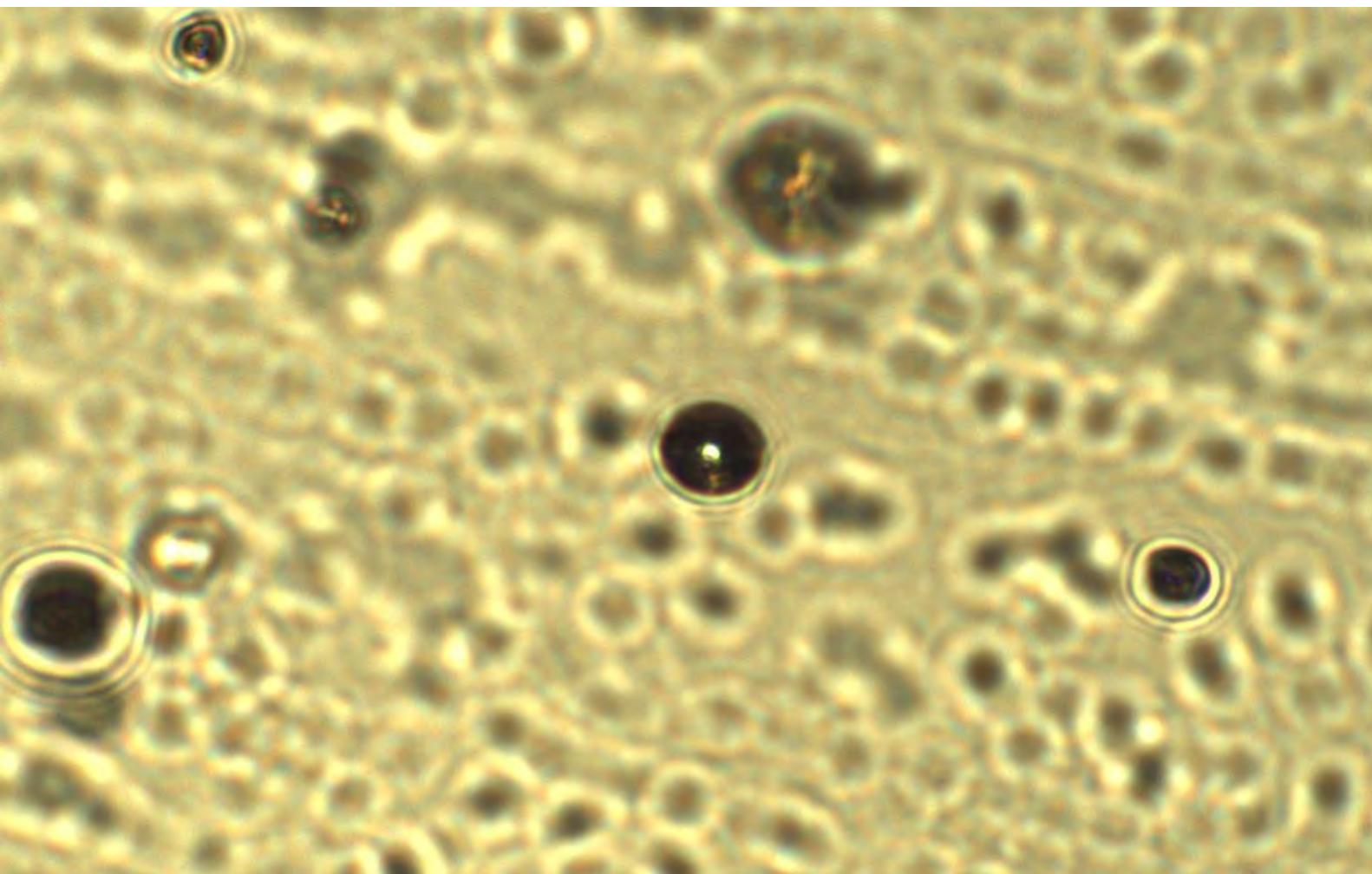
# MLP\_4\_FIC

	Filename	Mag	Width (µm)	Height (µm)
25	139 MLP_4_FIC.txt	50	222.124	138.828



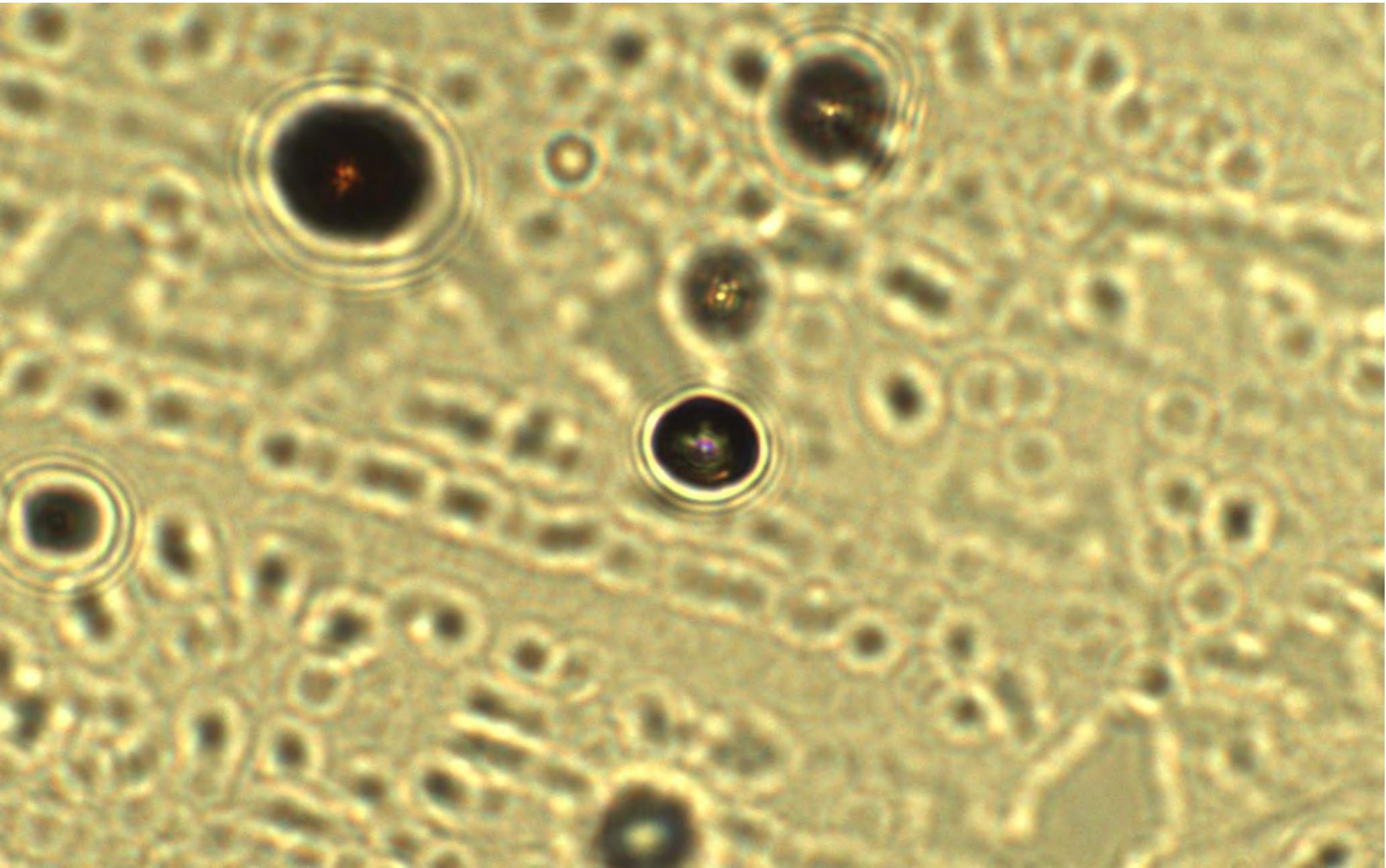
	Filename	Mag	Width (µm)	Height (µm)
27	144 MLP_4_FID_50X.txt	50	222.124	138.828

MLP\_4\_FID



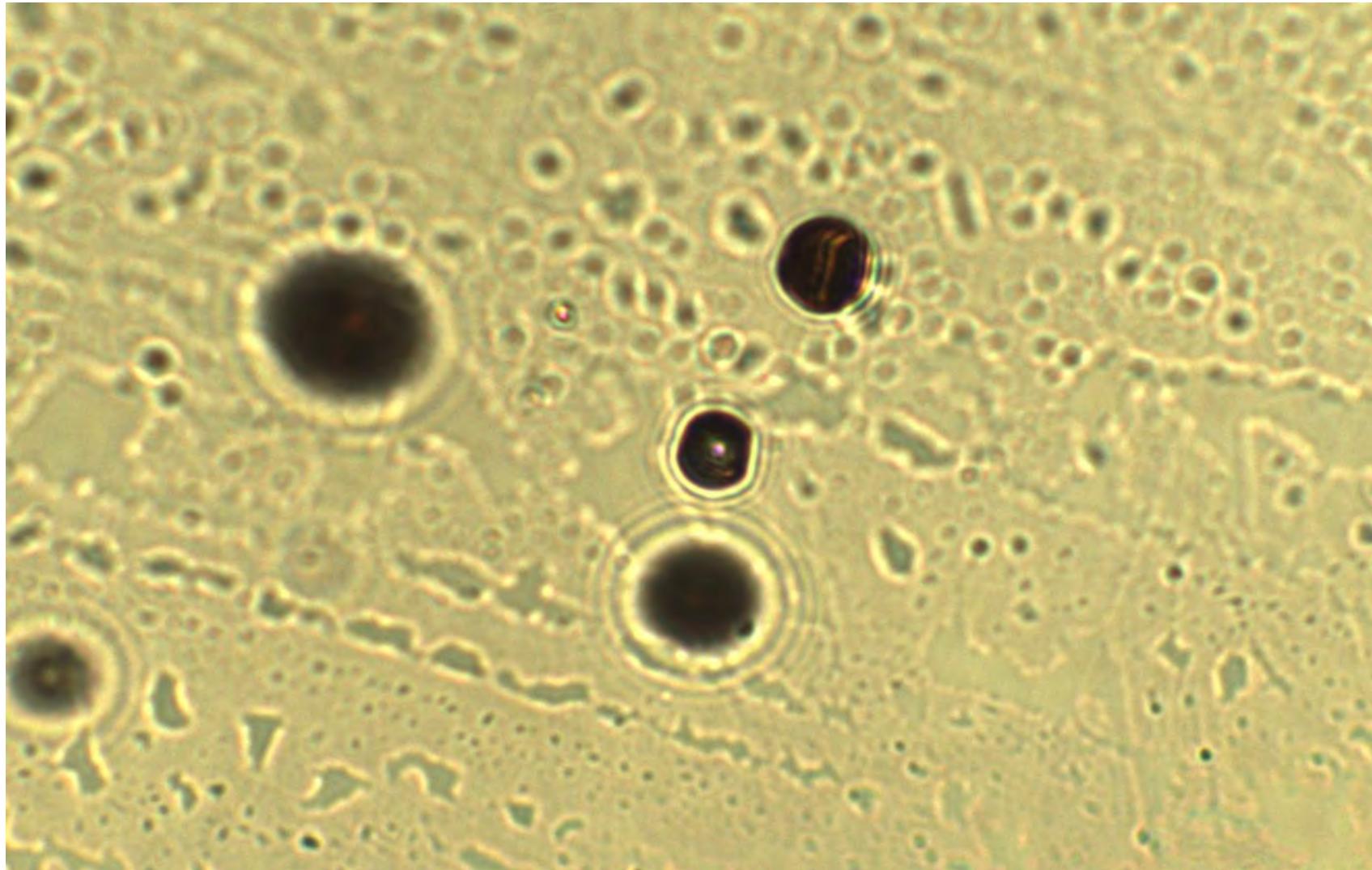
MLP\_4\_FIE

		Filename	Mag	Width (µm)	Height (µm)
29		147 MLP_4_FIE_100X.txt	100	111.423	69.640



MLP\_4\_FIF

	Filename	Mag	Width (µm)	Height (µm)
30	149 MLP_4_FIF_100X.txt	100	111.423	69.640

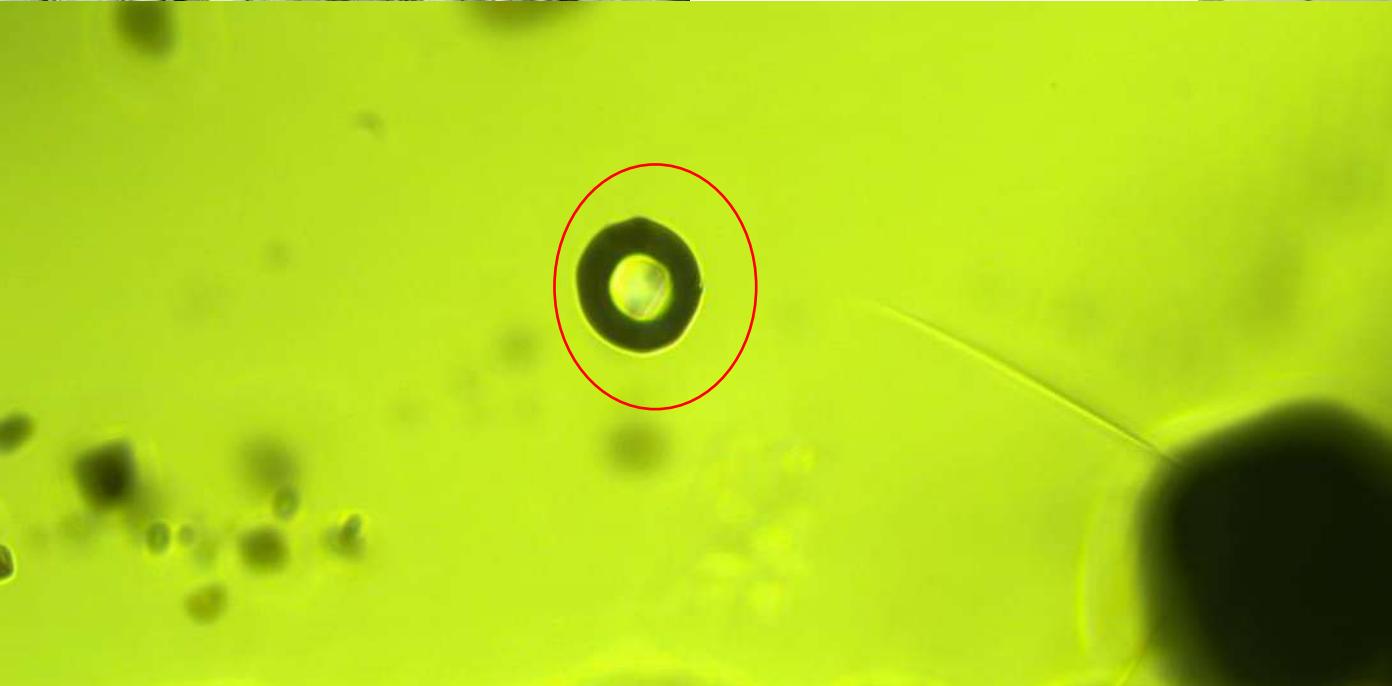
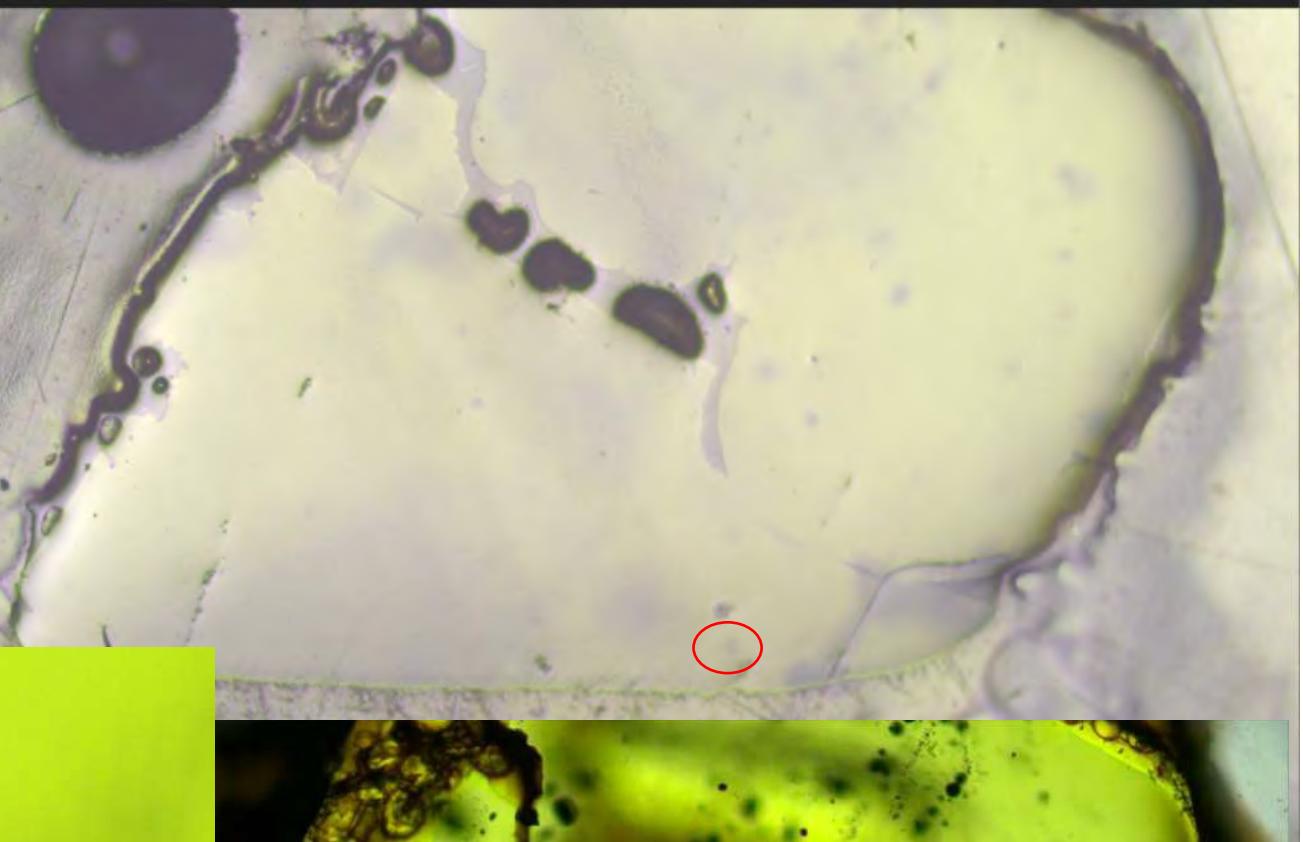


# Folder: 29\_10\_2022\_FI\_only

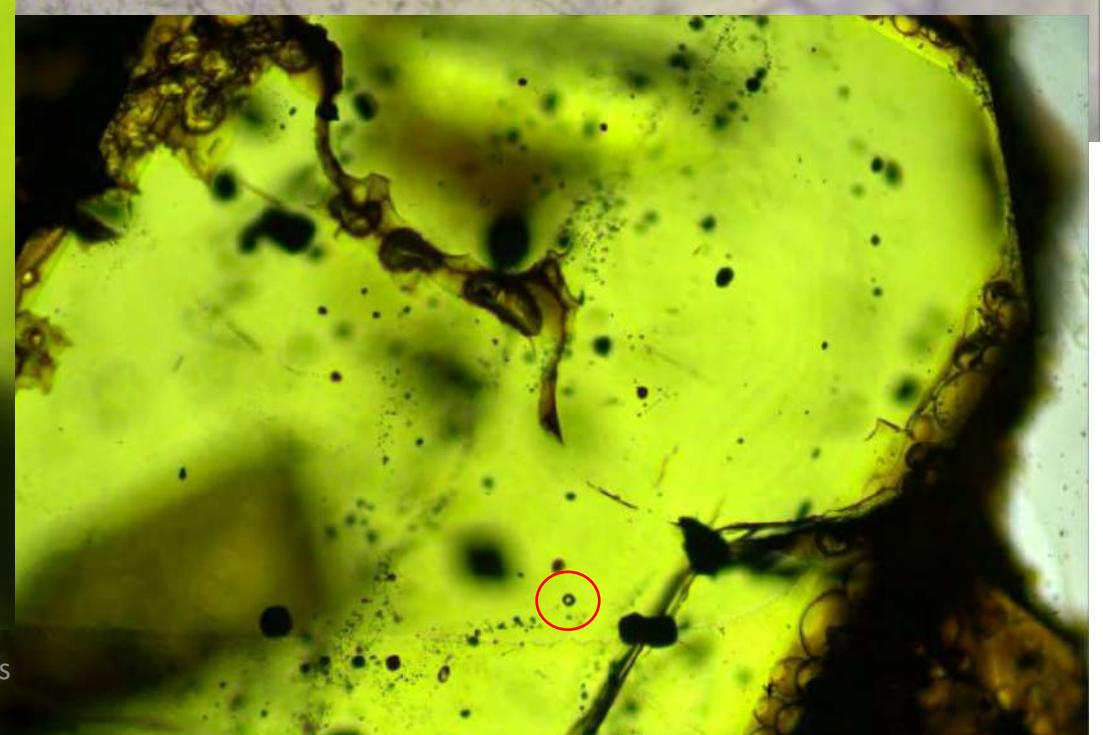
- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,



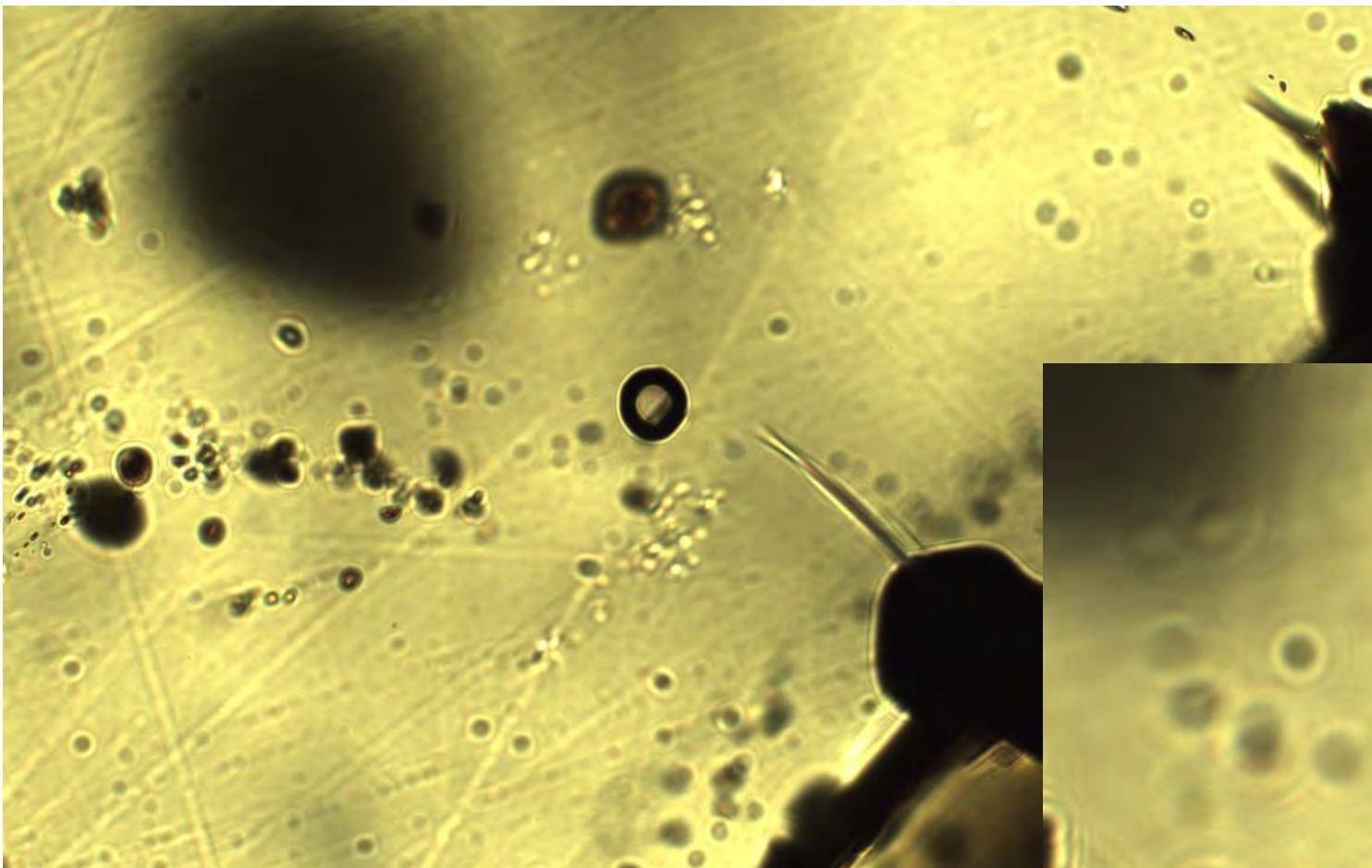
MLP\_7\_FIA



MLC\_MaunaLoa\_FIs  
0 μm



MLP\_7\_FIA

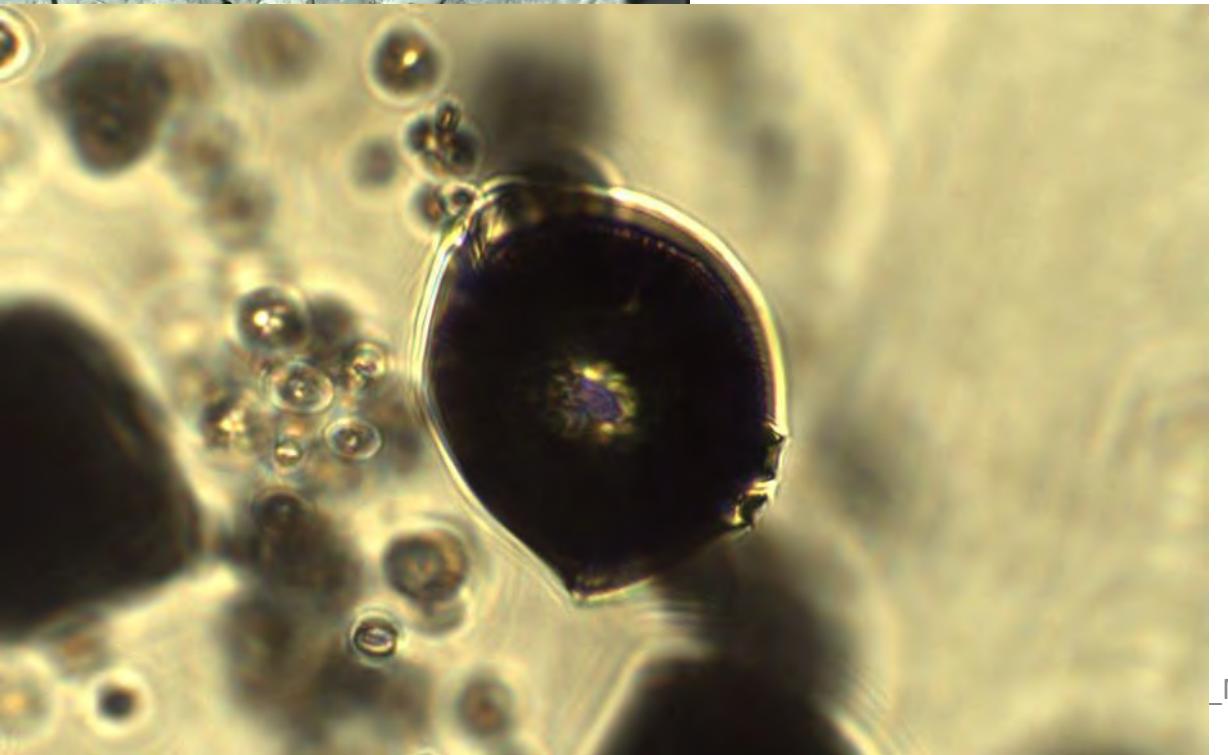


	Filename	Mag	Width (µm)	Height (µm)
1	06 MLP_7_FIA_50X.txt	50	222.124	138.828

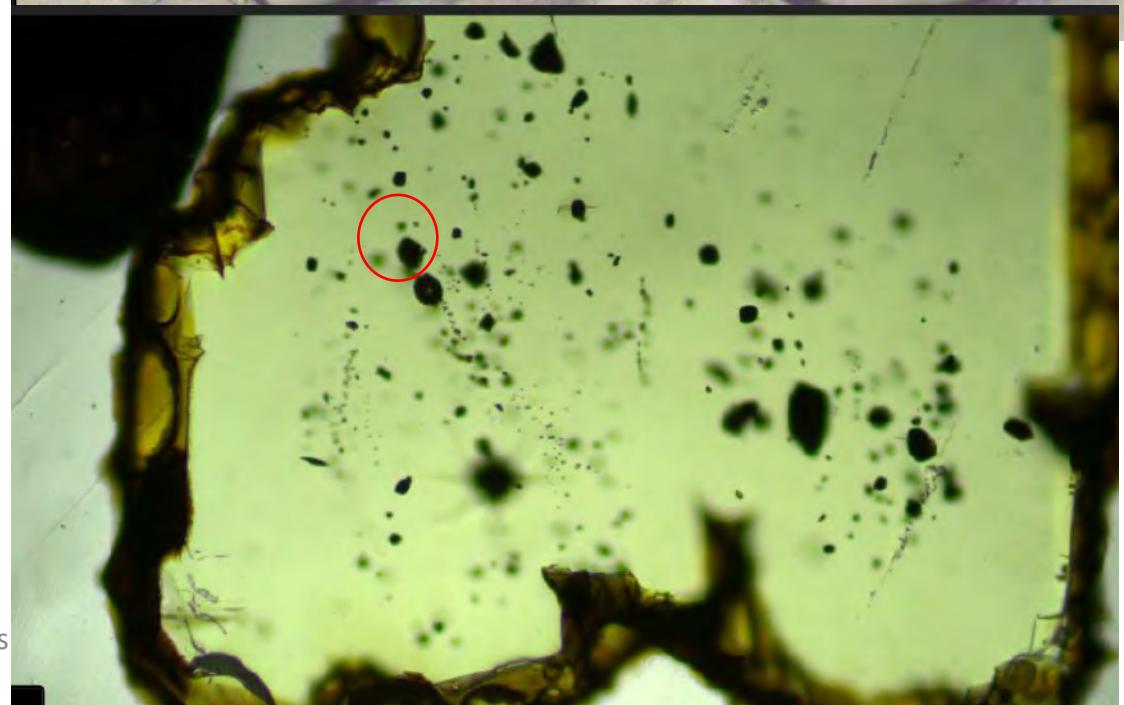
29th October 2022



MLP\_11\_FIA

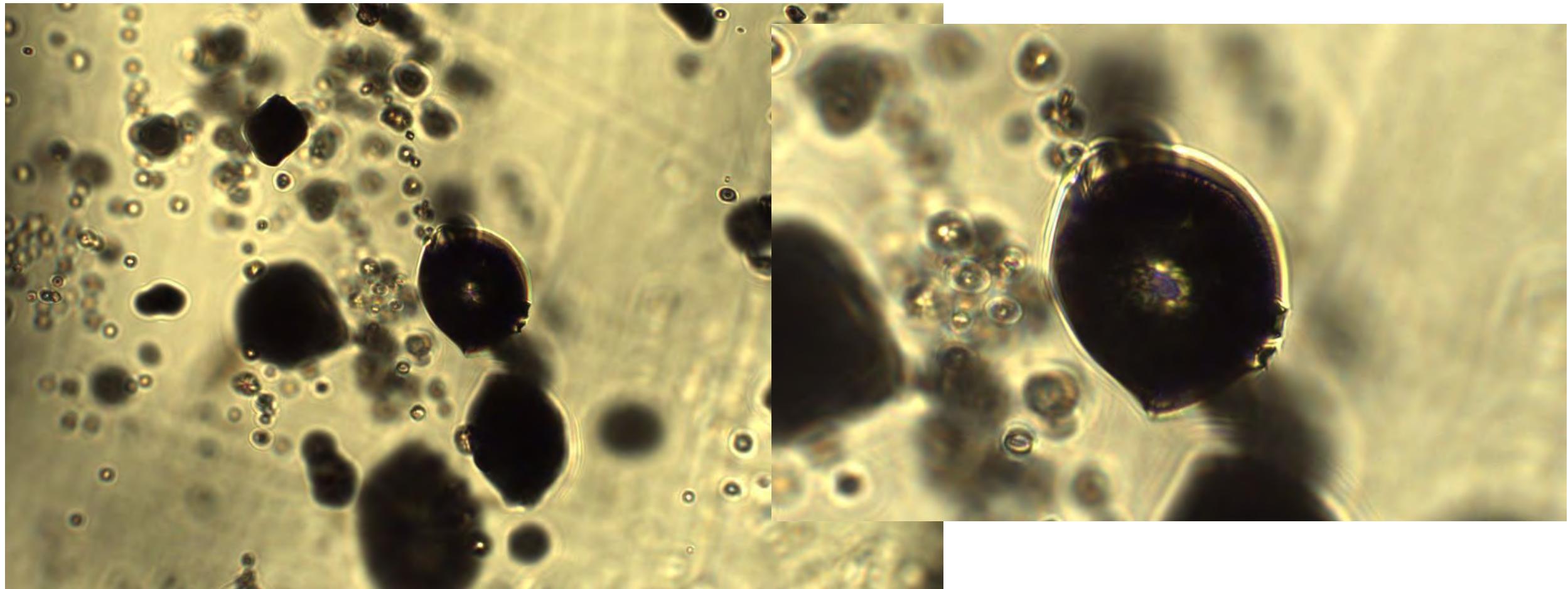


MaunaLoa\_Fls



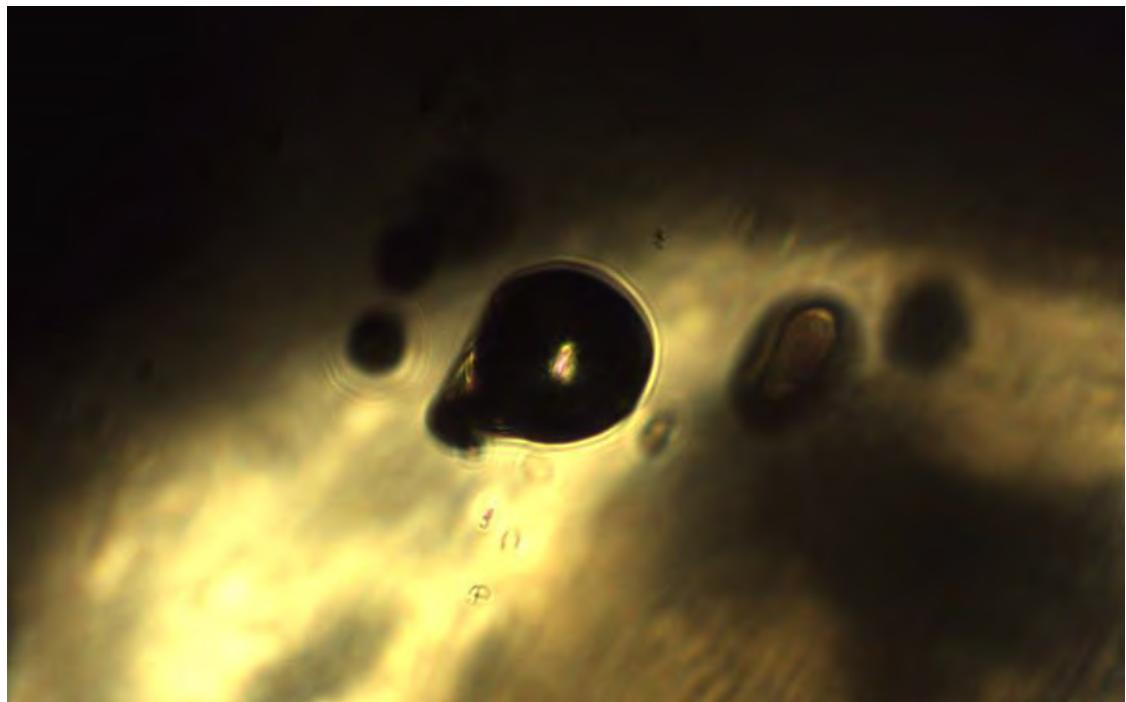
# MLP\_11\_FIA

Filename	Mag	Width (μm)	Height (μm)
	50	222.124	138.828



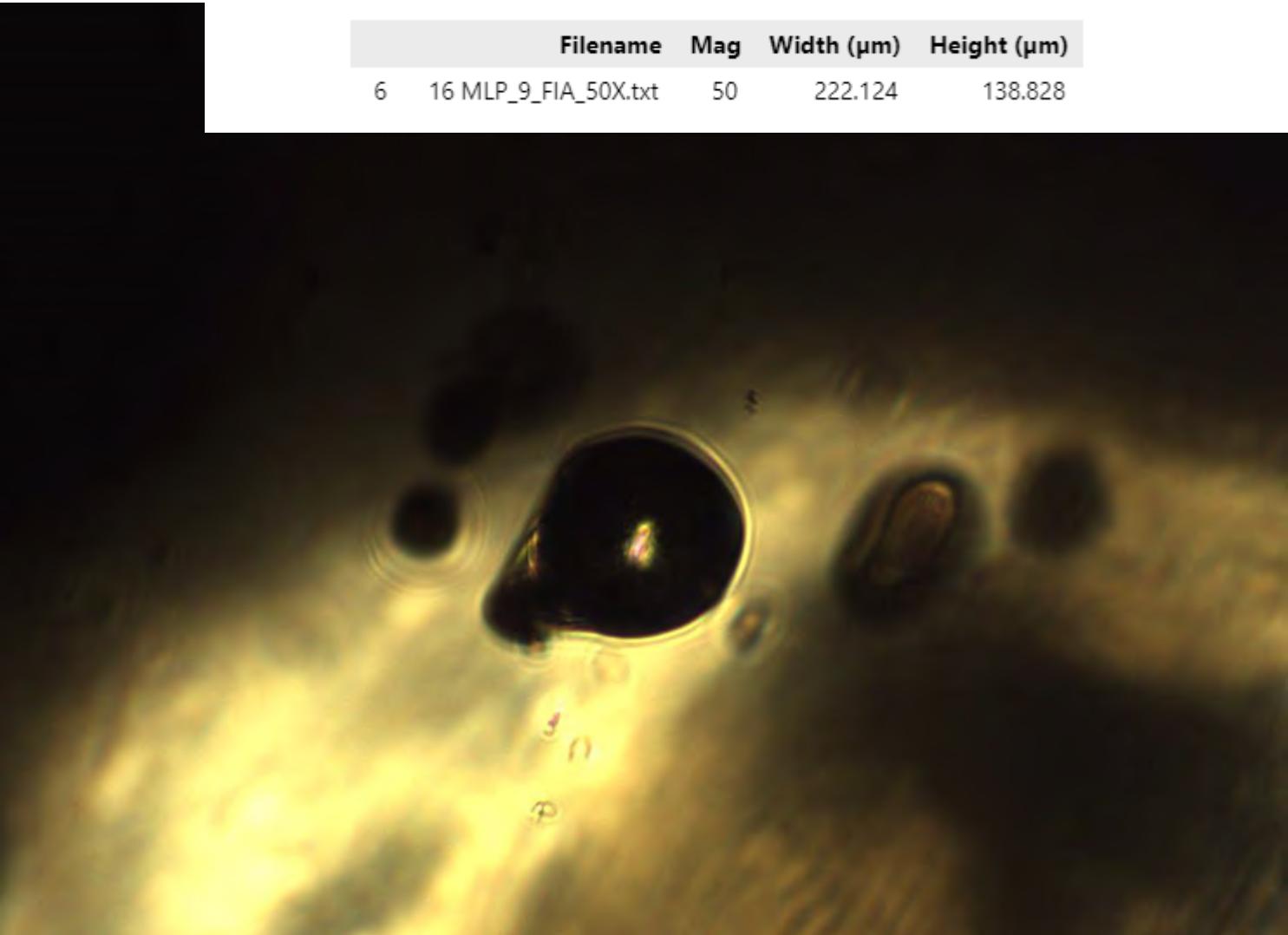
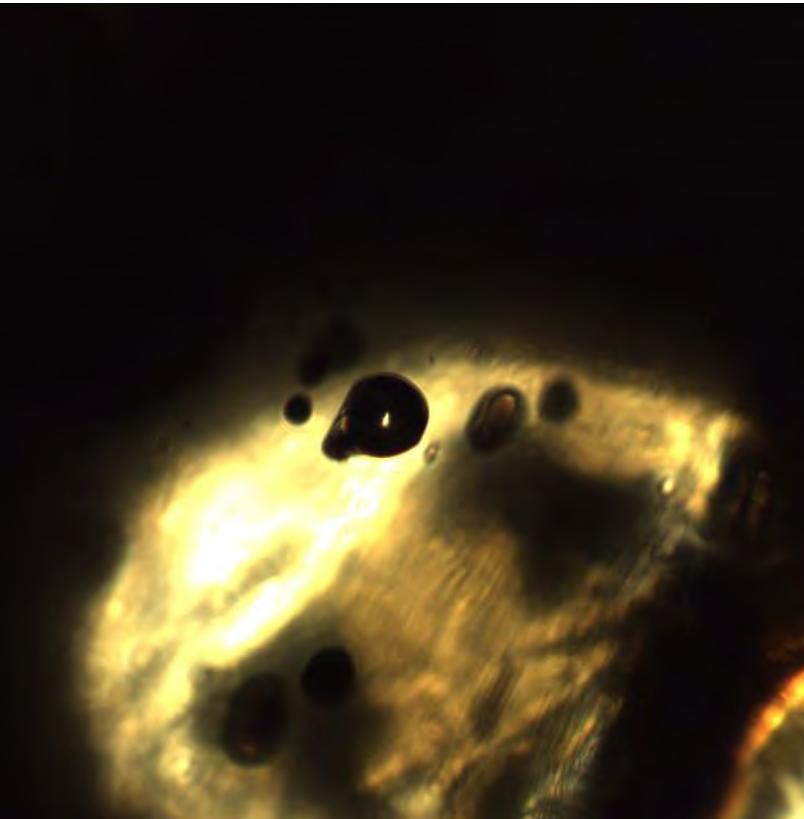
29th October 2022

MLP\_9\_FIA



MLC\_MaunaLoa\_Fls

# MLP\_9\_FIA



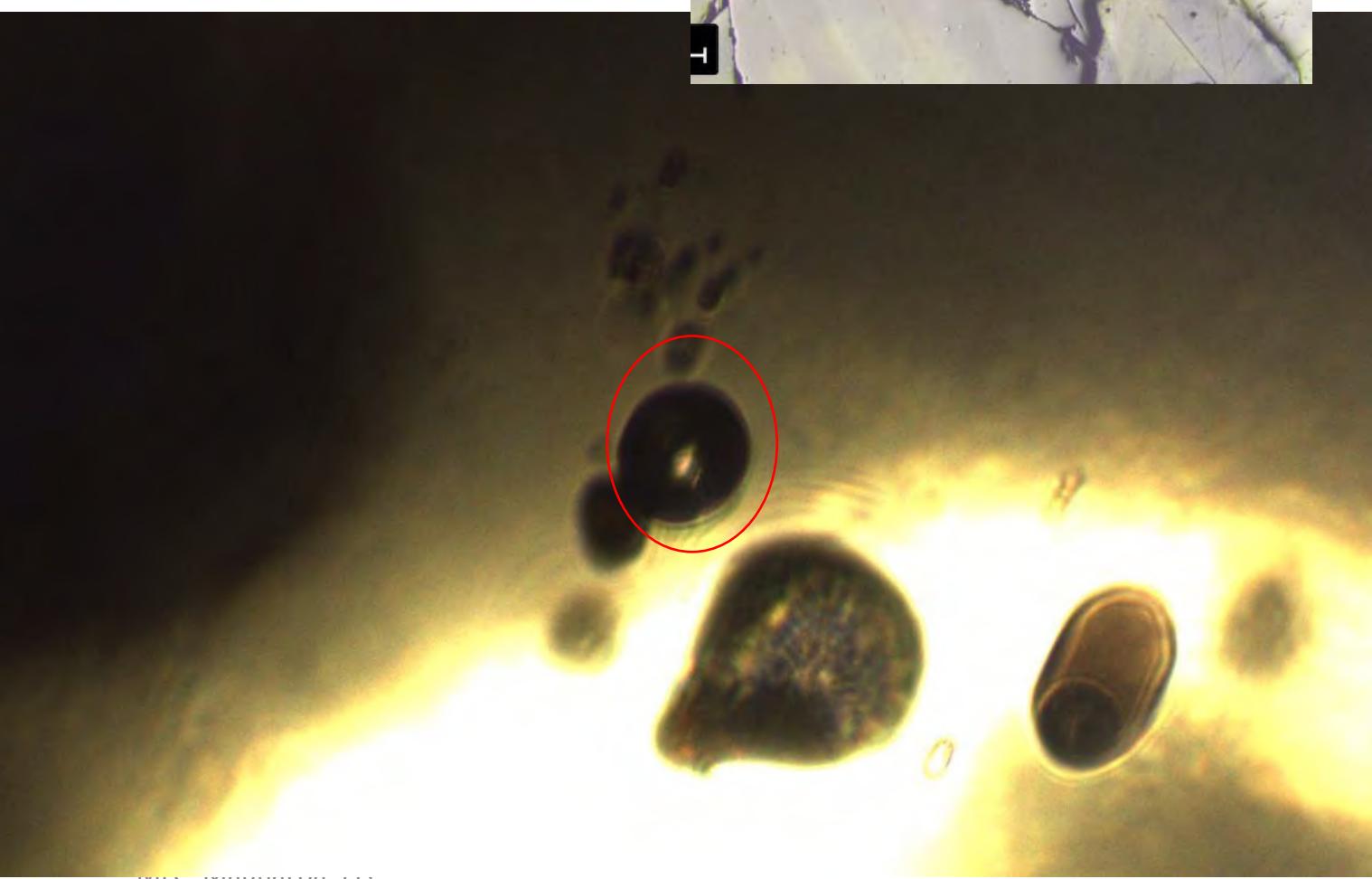
29th October 2022

	Filename	Mag	Width (µm)	Height (µm)
6	16 MLP_9_FIA_50X.txt	50	222.124	138.828



MLP\_9\_FIB  
Do 2 points as  
small xstal

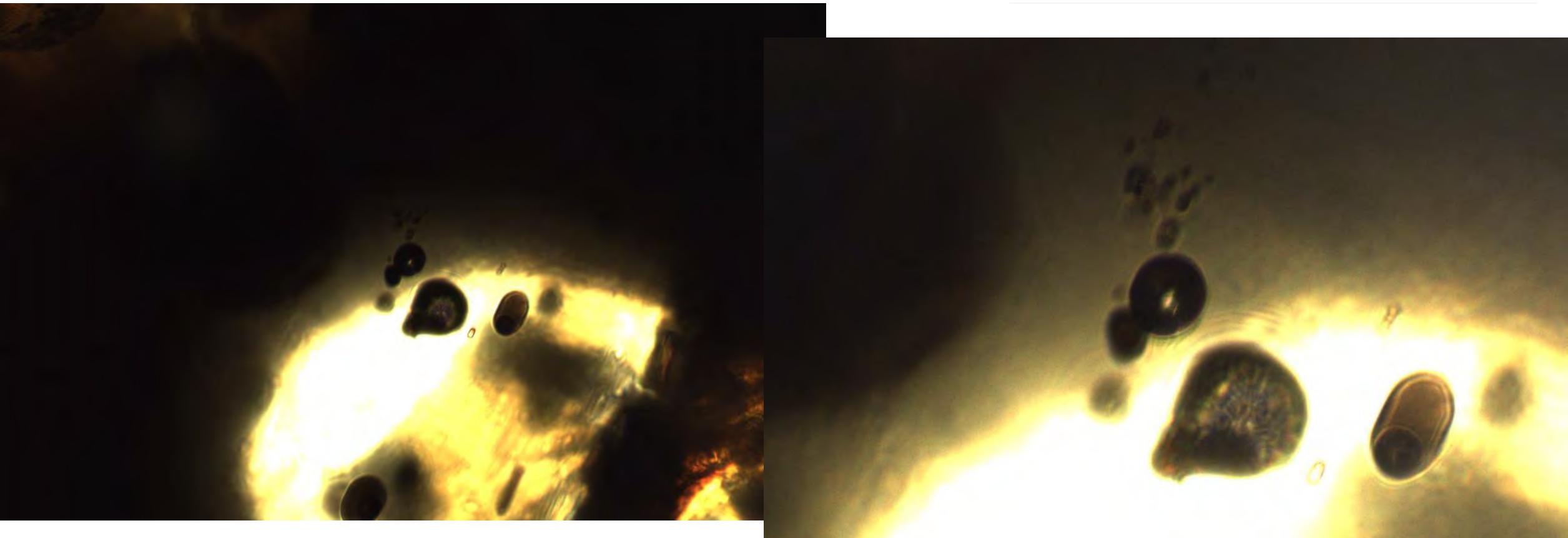
Penny use Fo  
for both A and  
B



MLP\_9\_FIB

MLP\_9\_FIB

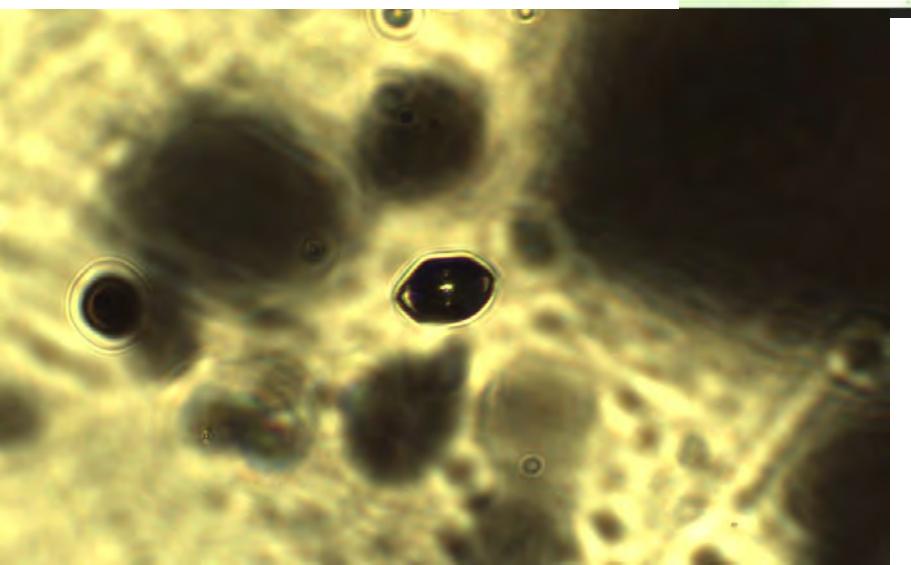
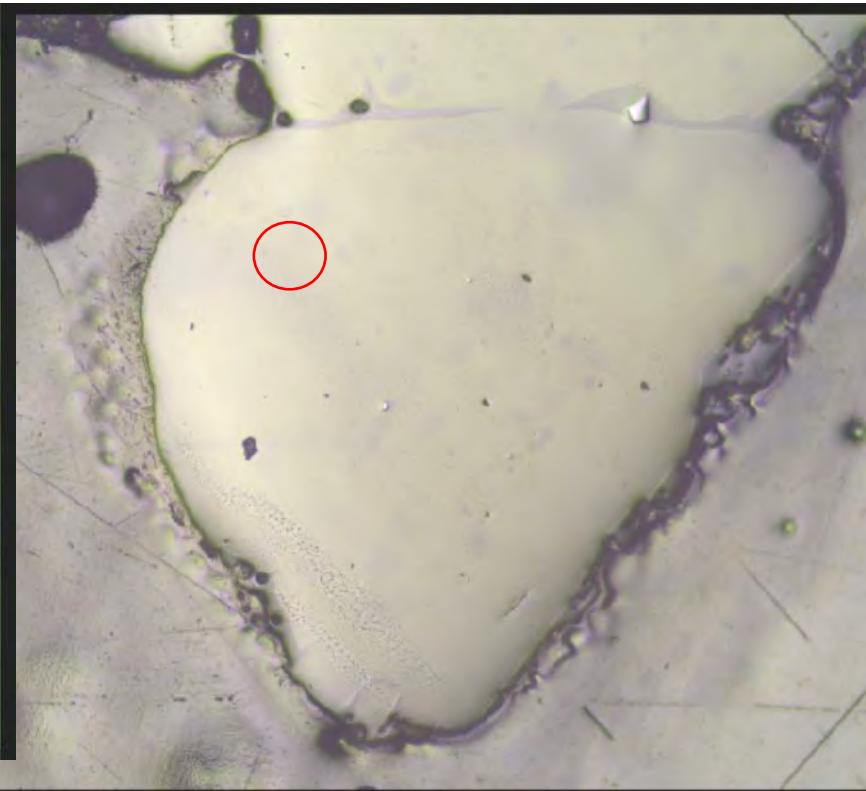
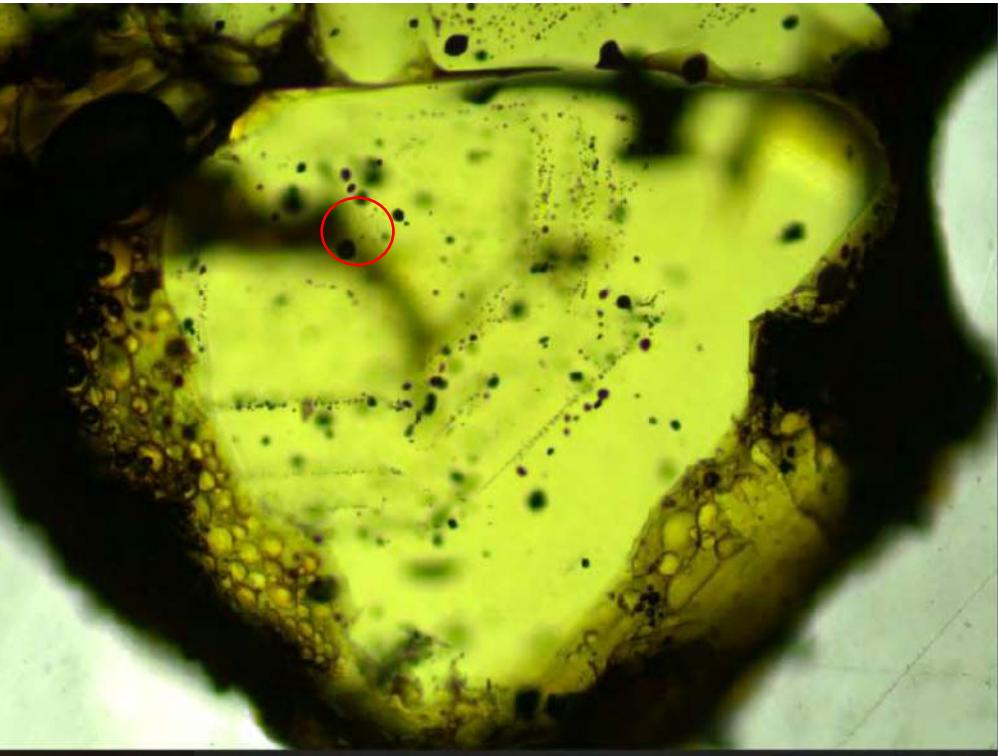
	Filename	Mag	Width (µm)	Height (µm)
8	22 MLP_9_FIB_50X.txt	50	222.124	138.828



29th October 2022



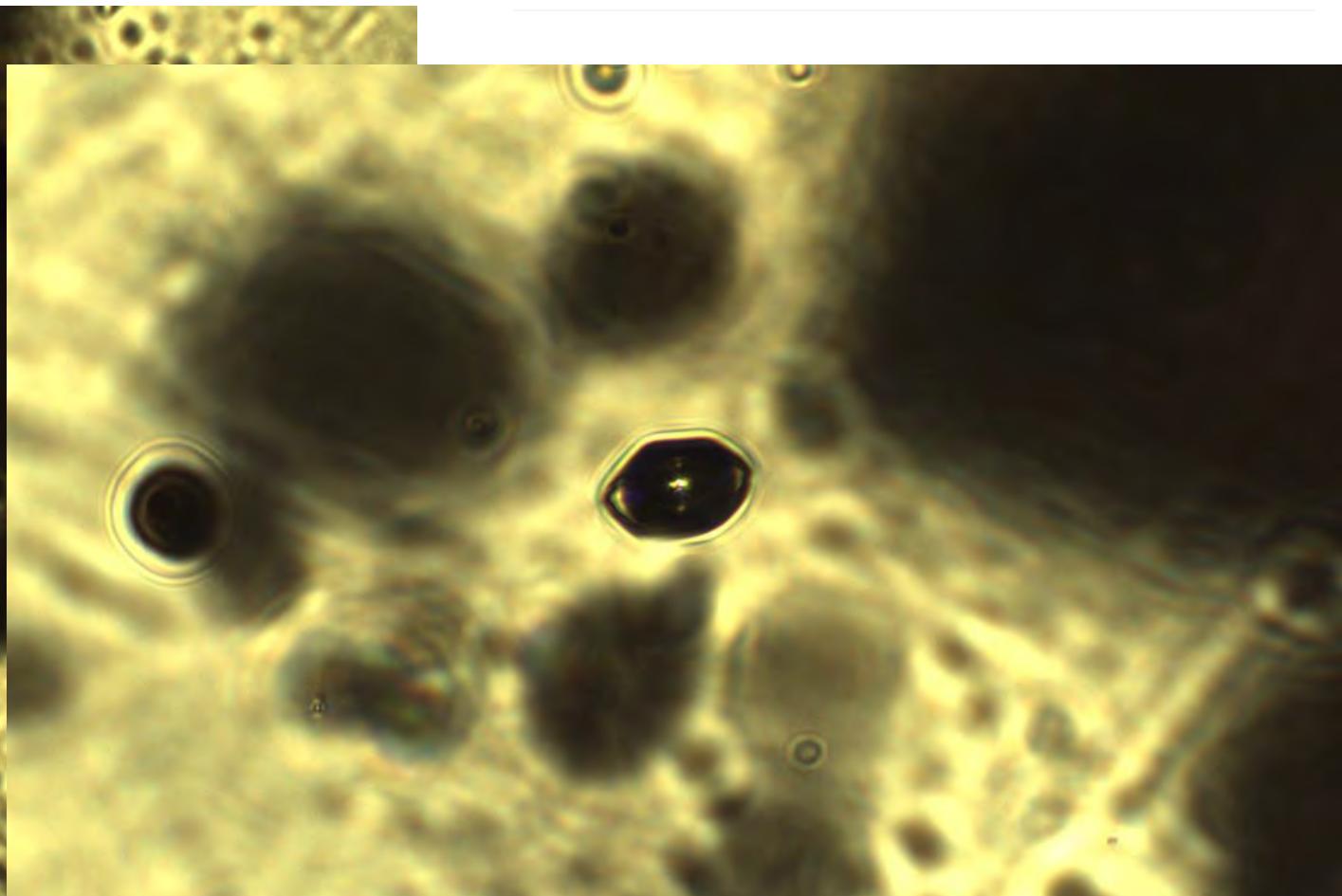
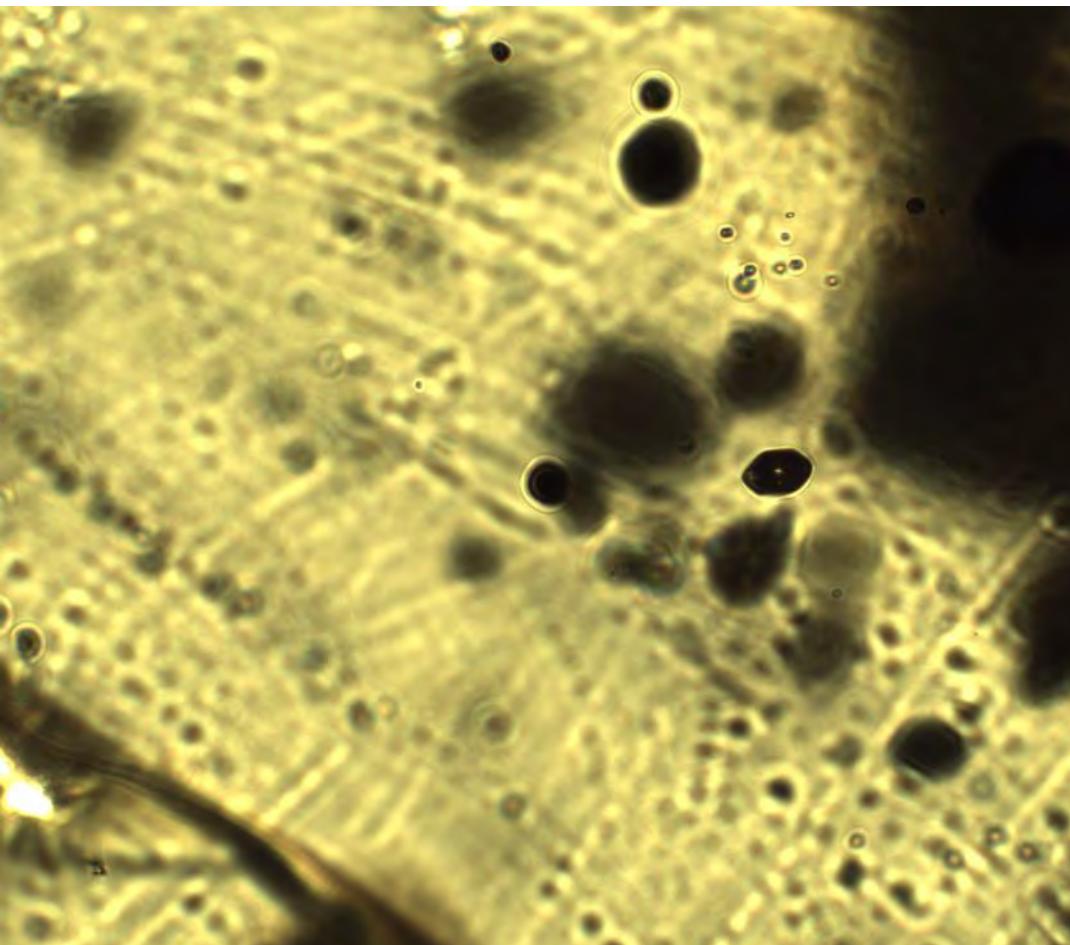
MLP\_12\_FIA



MLC\_MaunaLoa\_Fls

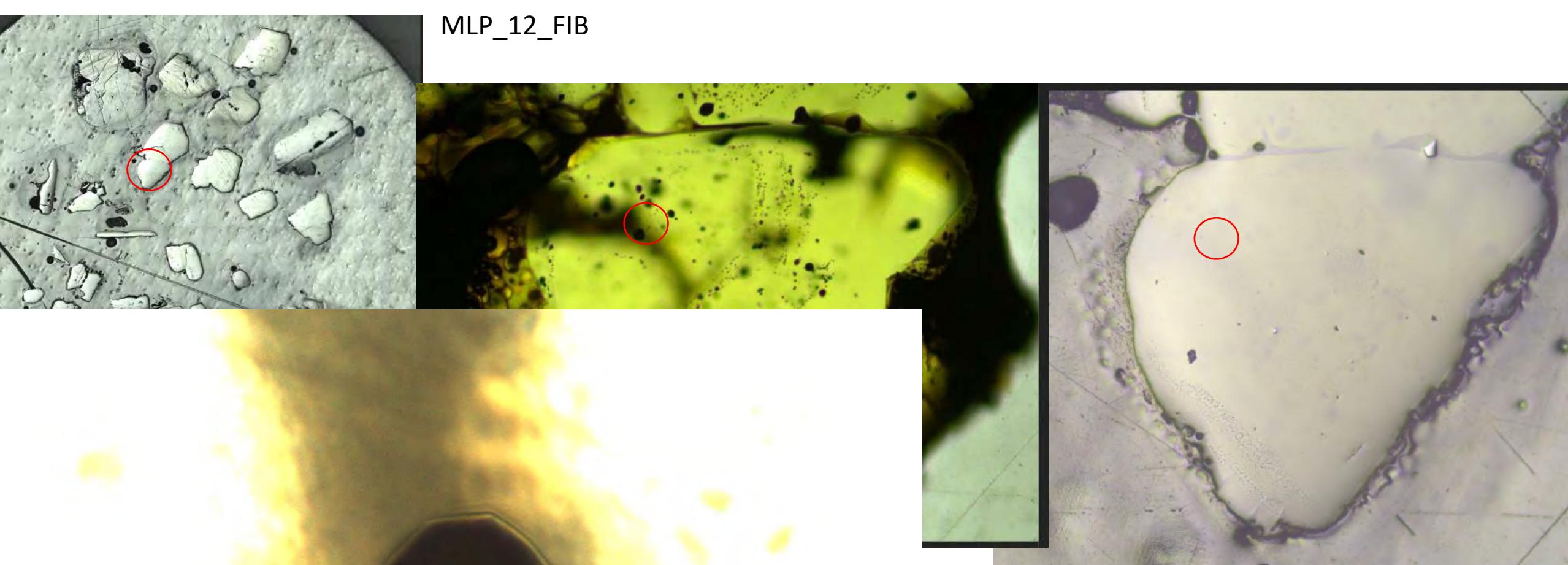
# MLP\_12\_FIA

	Filename	Mag	Width (µm)	Height (µm)
10 27	MLP_12_FIA_50X.txt	50	222.124	138.828



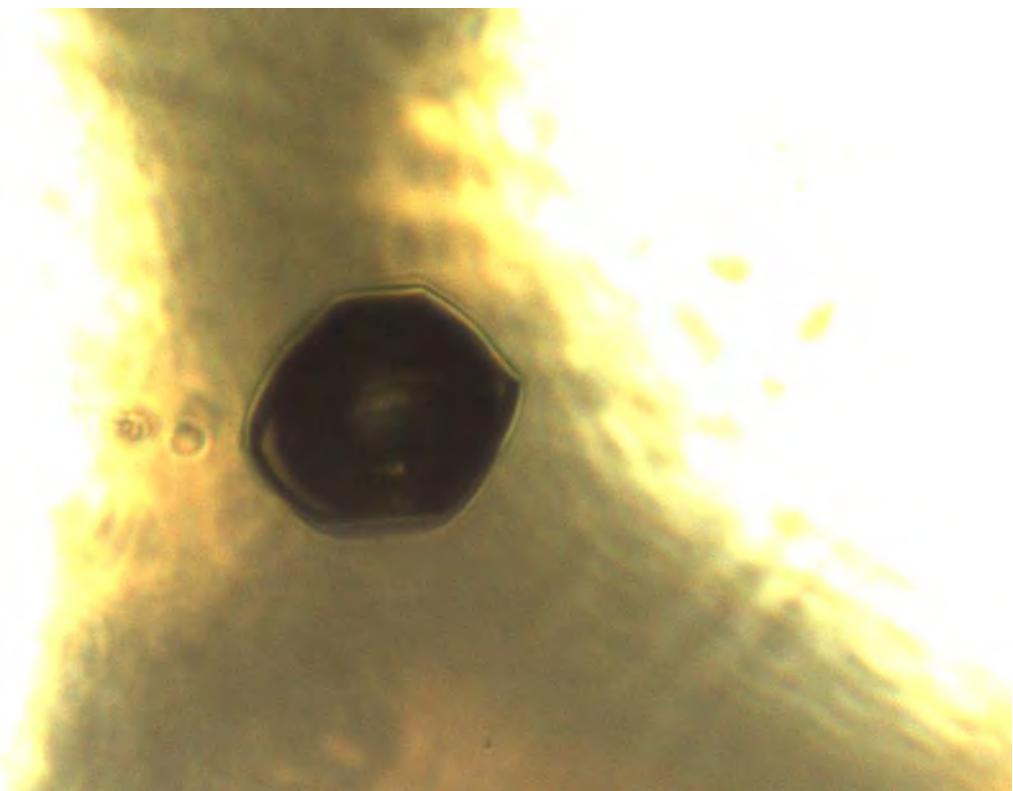
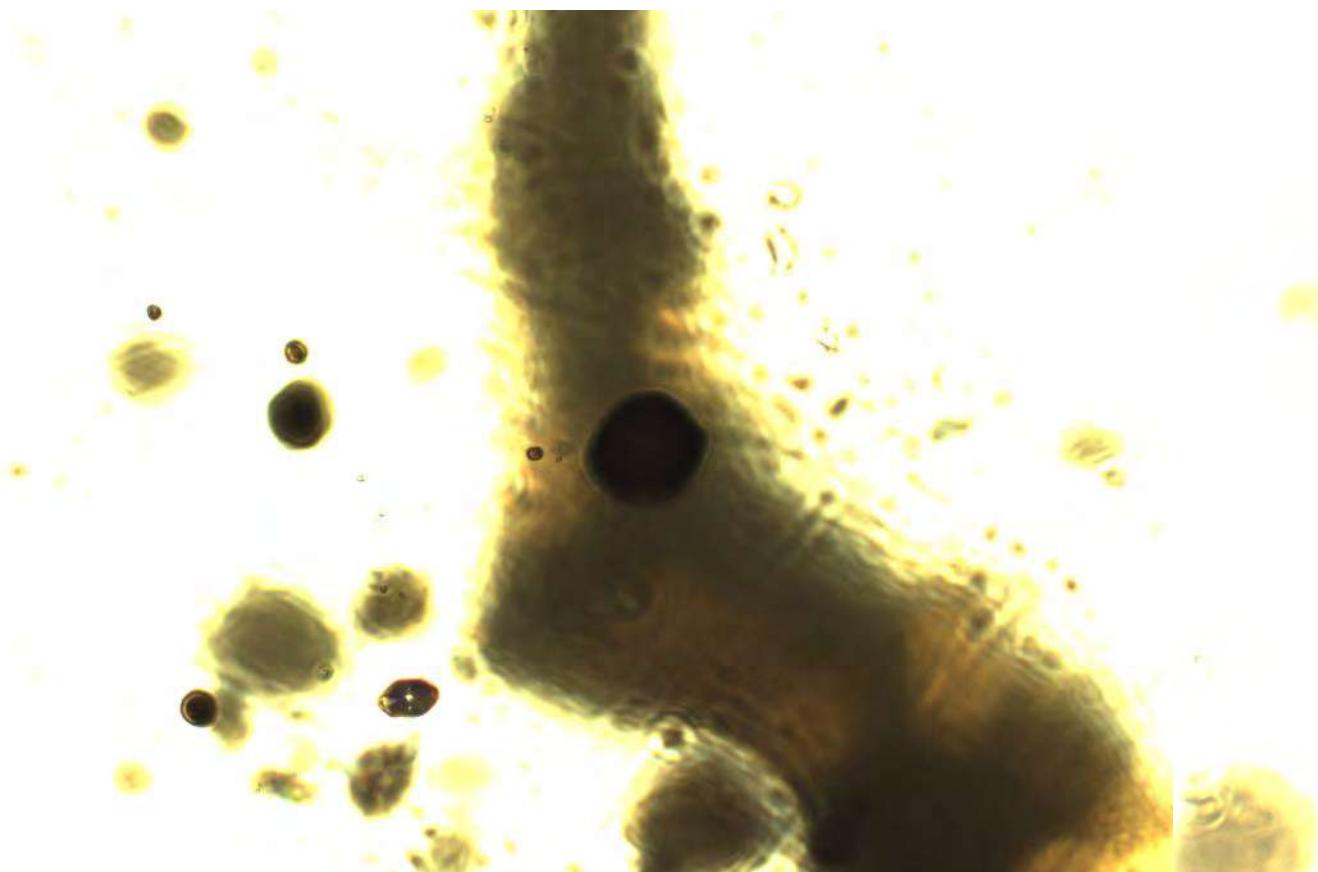
29th October 2022

MLP\_12\_FIB



MLP\_12\_FIB

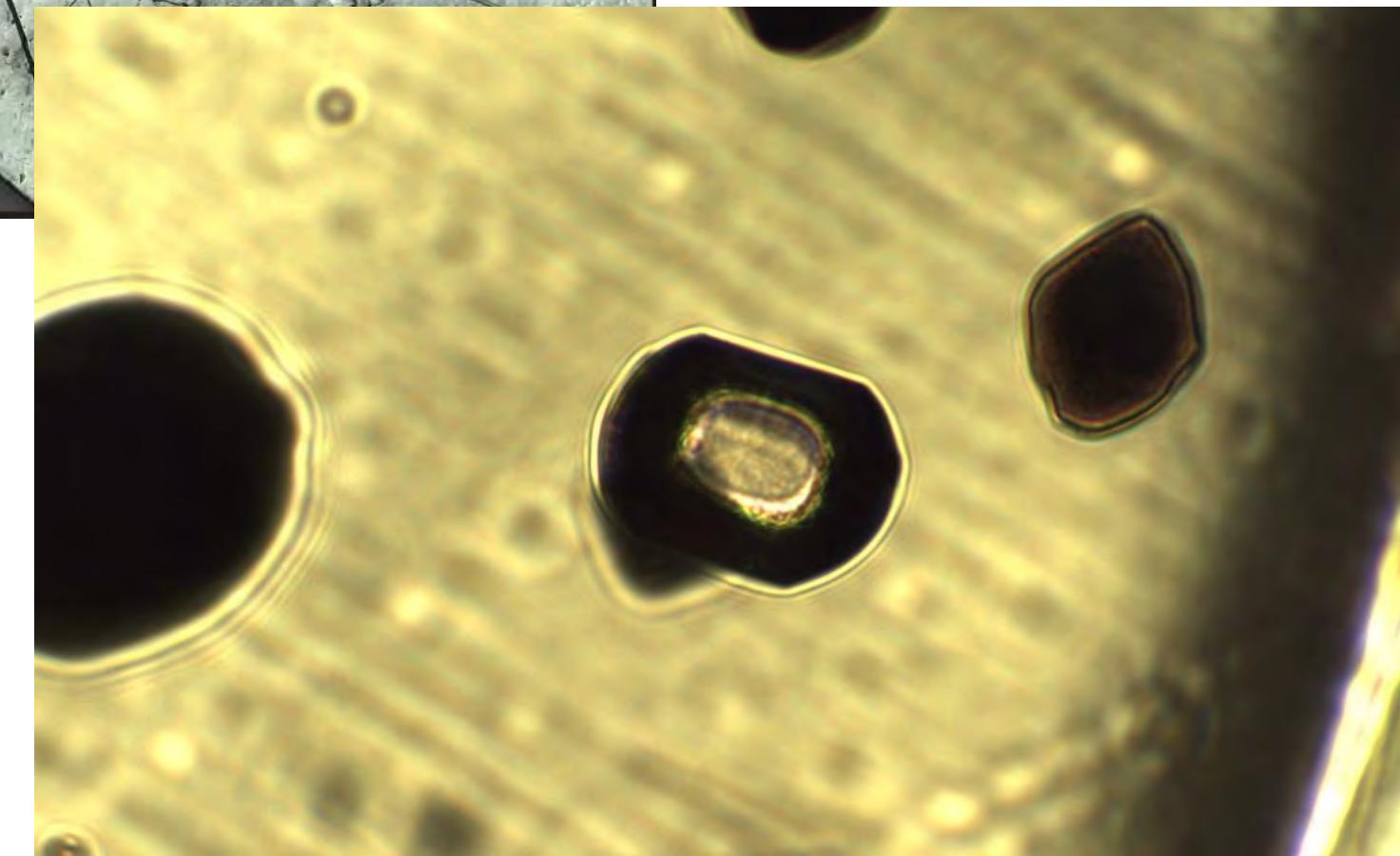
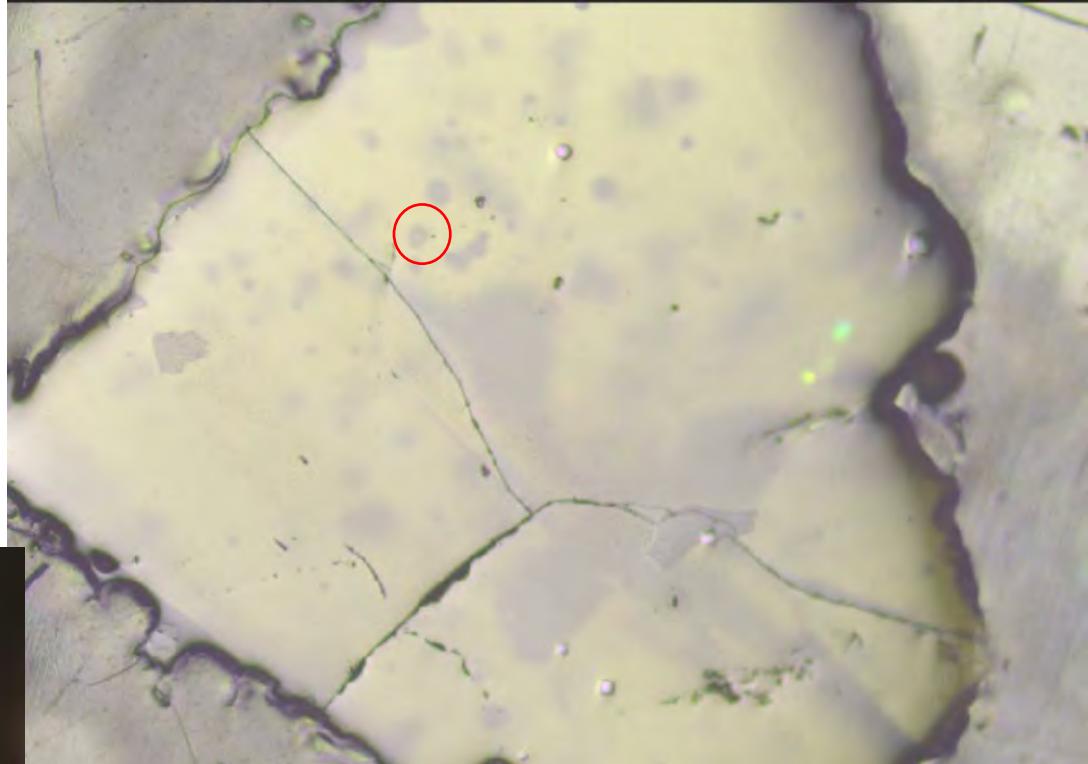
	Filename	Mag	Width (µm)	Height (µm)
12	31 MLP_12_FIB_50X.txt	50	222.124	138.828



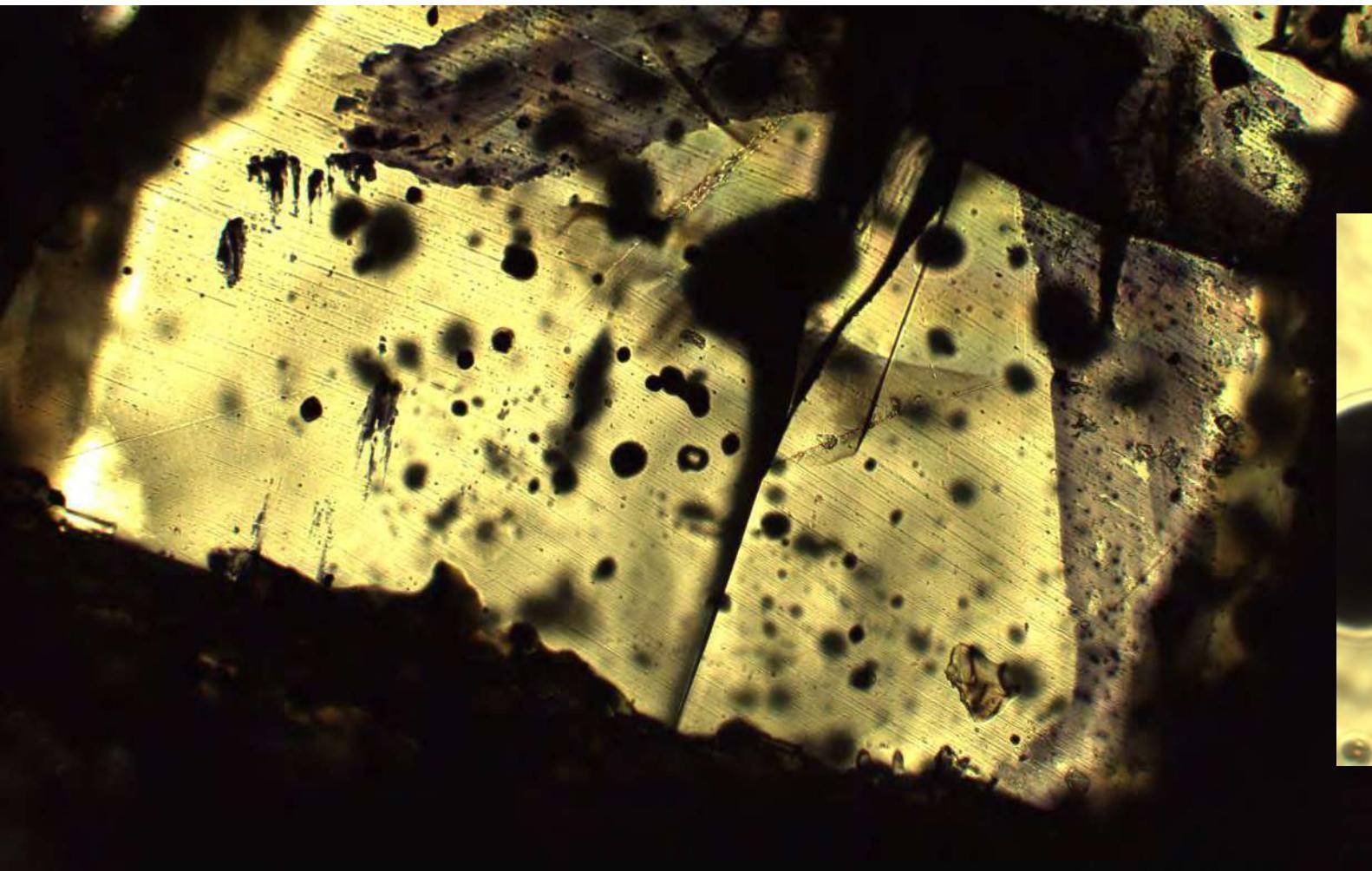
29th October 2022



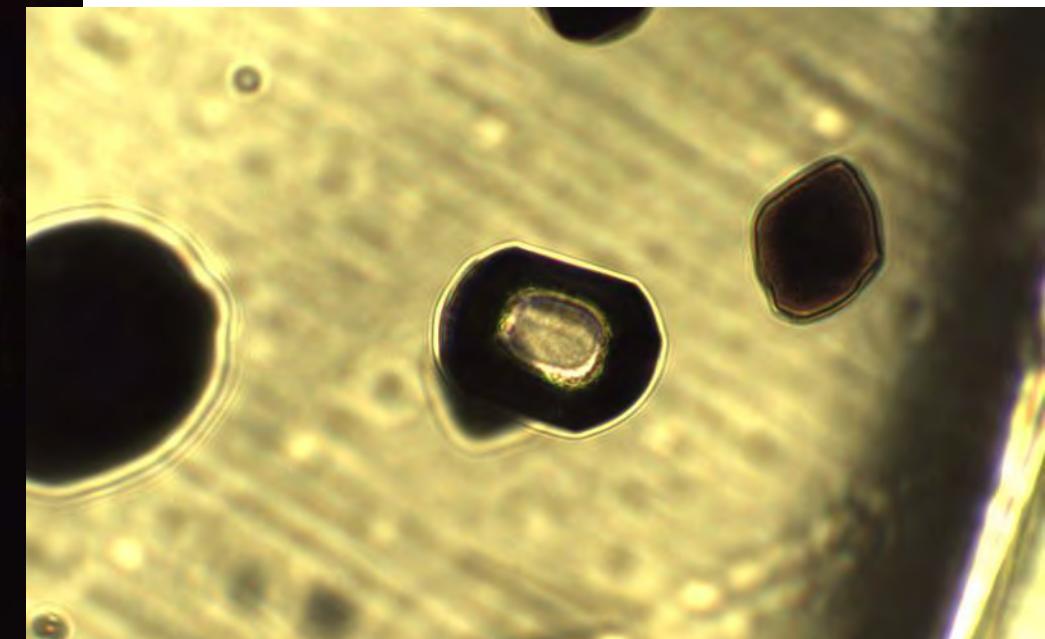
MLP\_18\_FIA



MLP\_18\_FIA



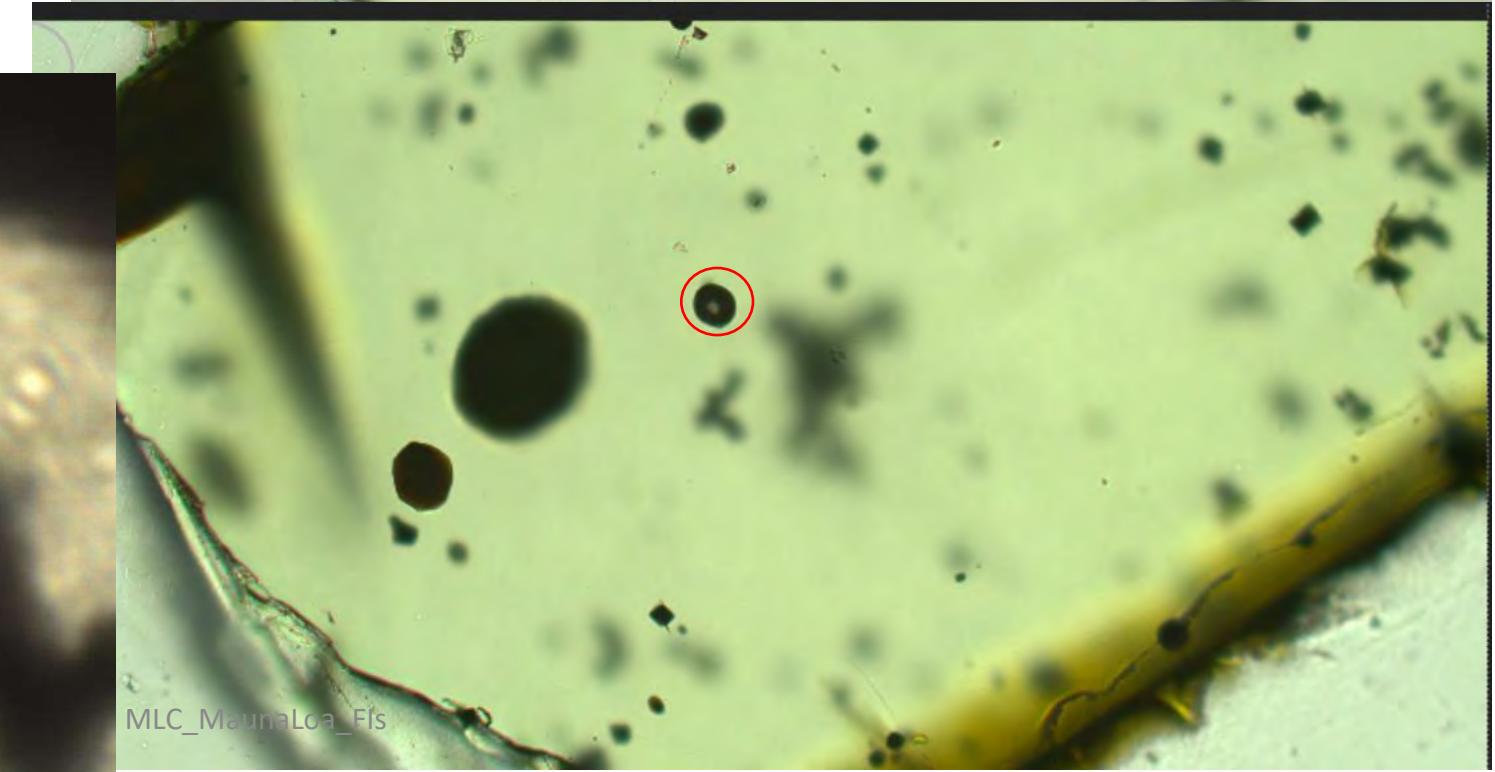
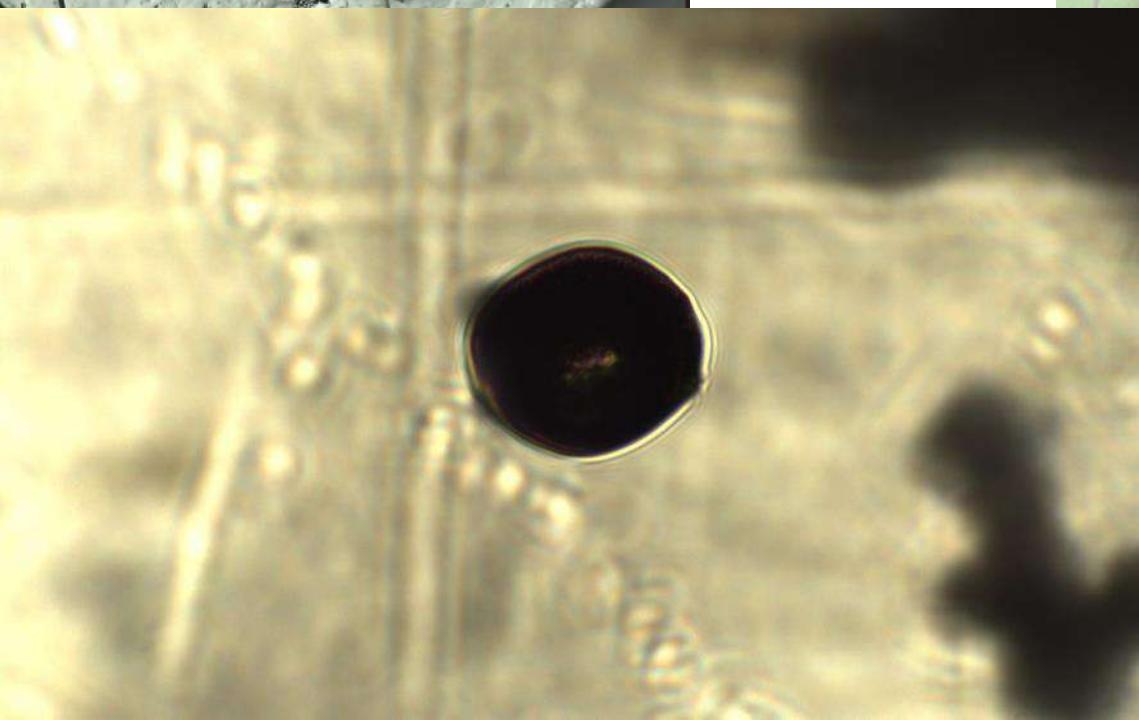
	Filename	Mag	Width (µm)	Height (µm)
15	38 MLP_18_FIA_50X.txt	50	222.124	138.828



29th October 2022

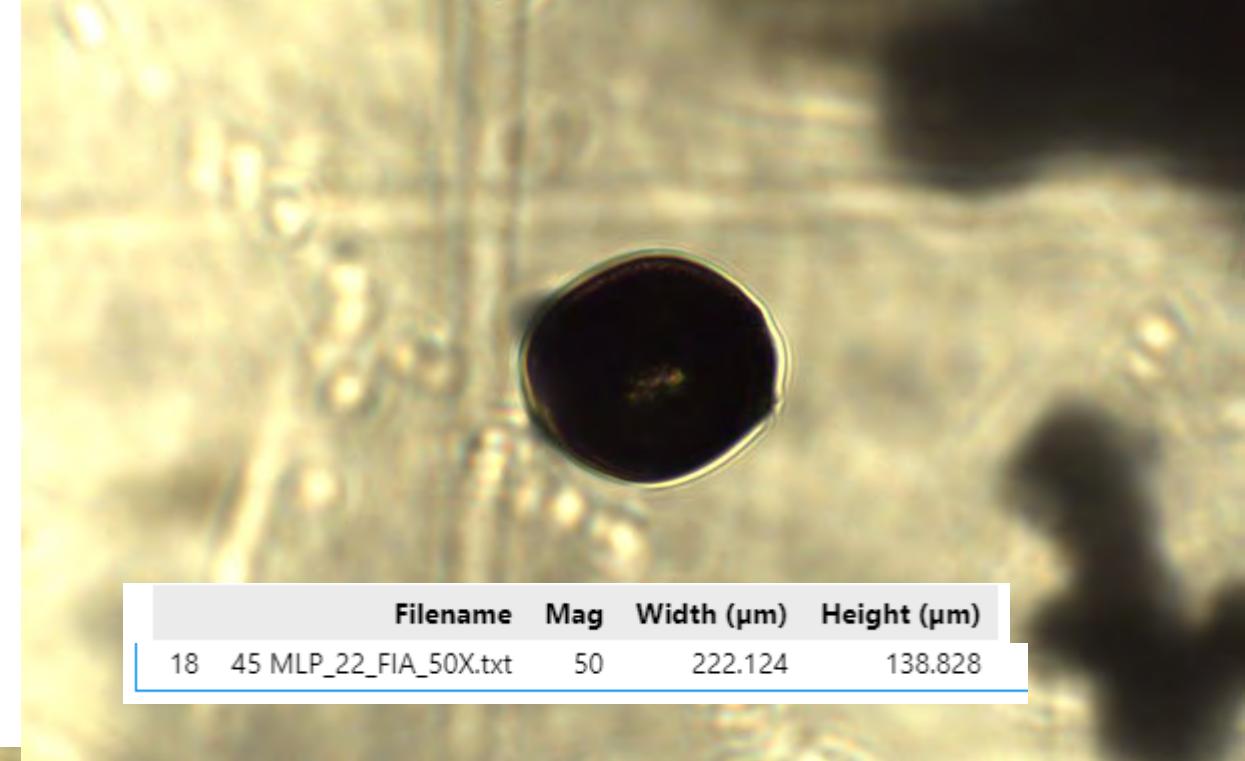
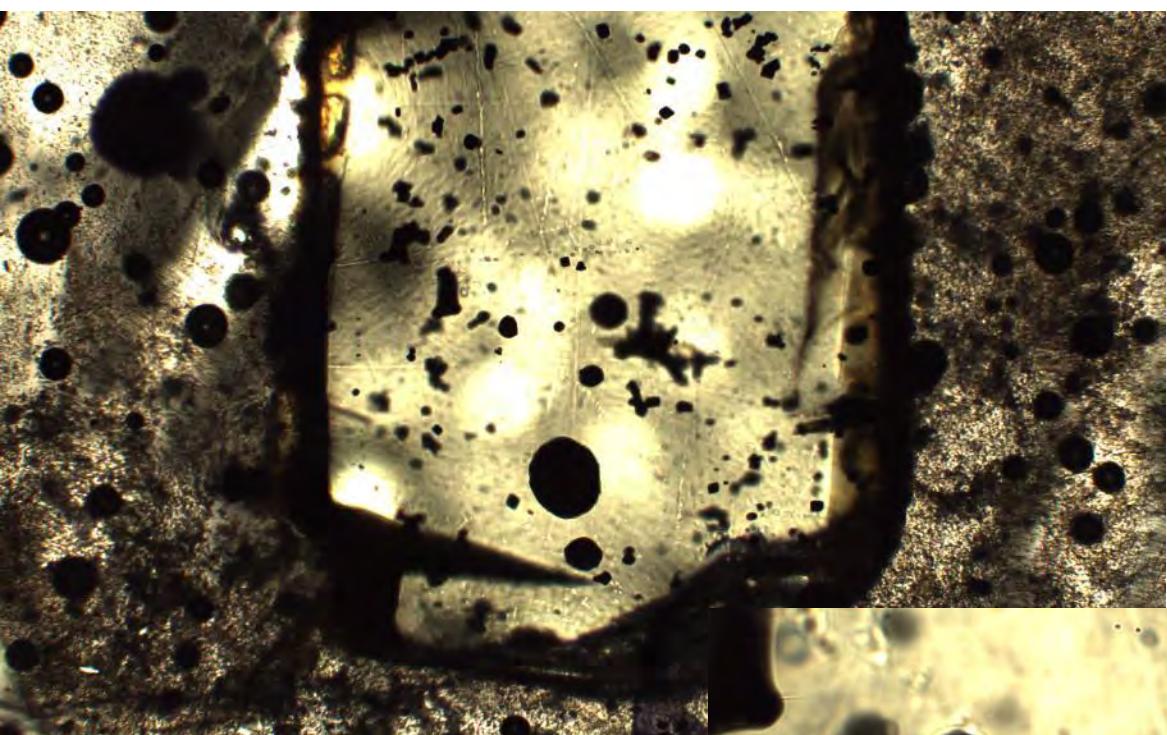


MLP\_22\_FIA-

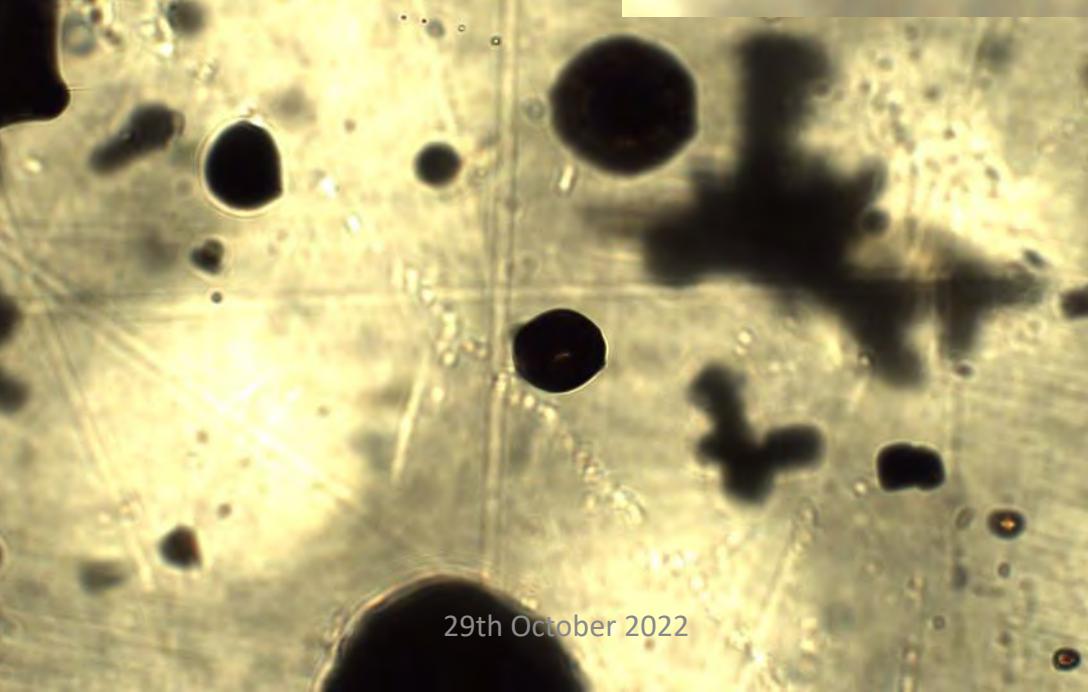


MLC\_MaunaLoa\_FIs

# MLP\_22\_FIA



	Filename	Mag	Width (µm)	Height (µm)
18	45 MLP_22_FIA_50X.txt	50	222.124	138.828

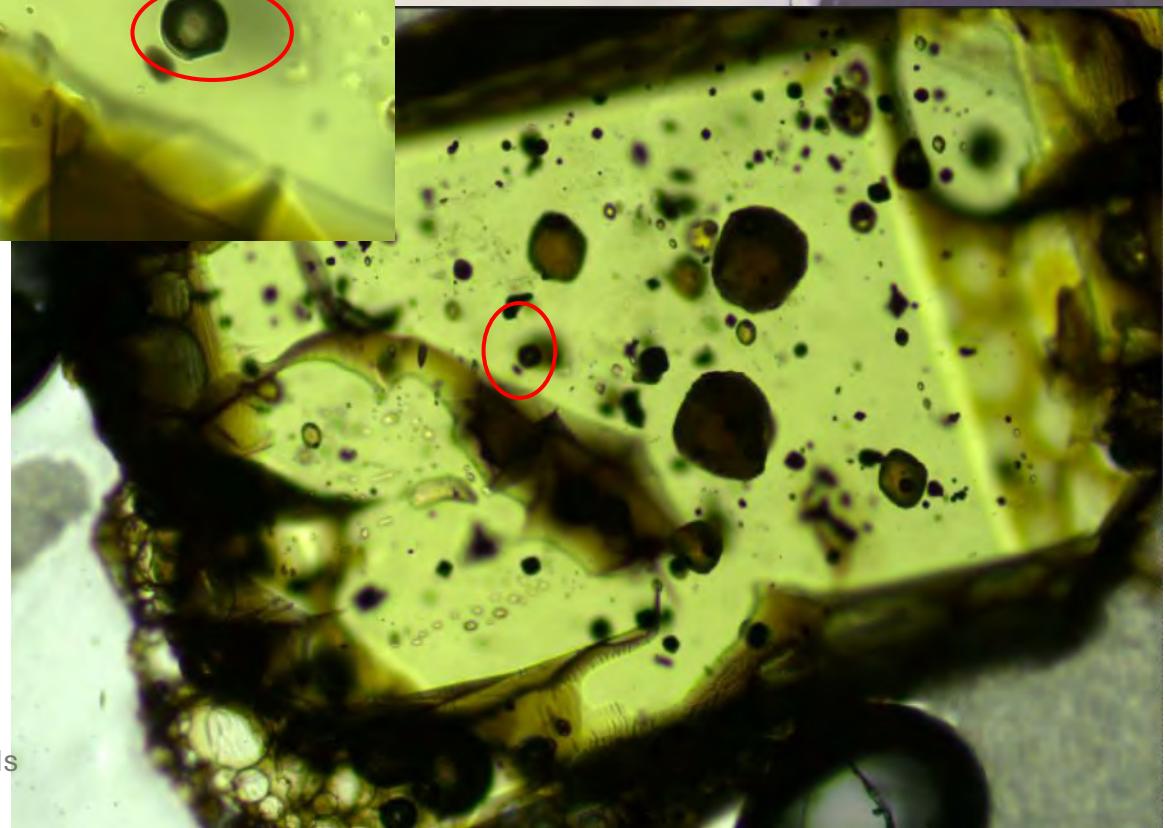
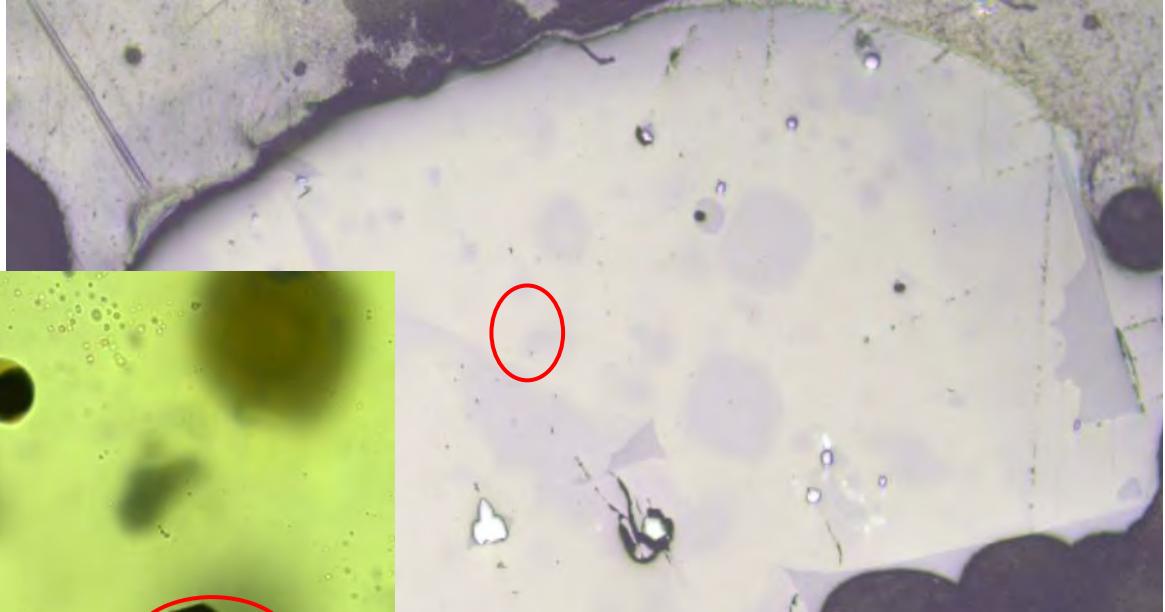
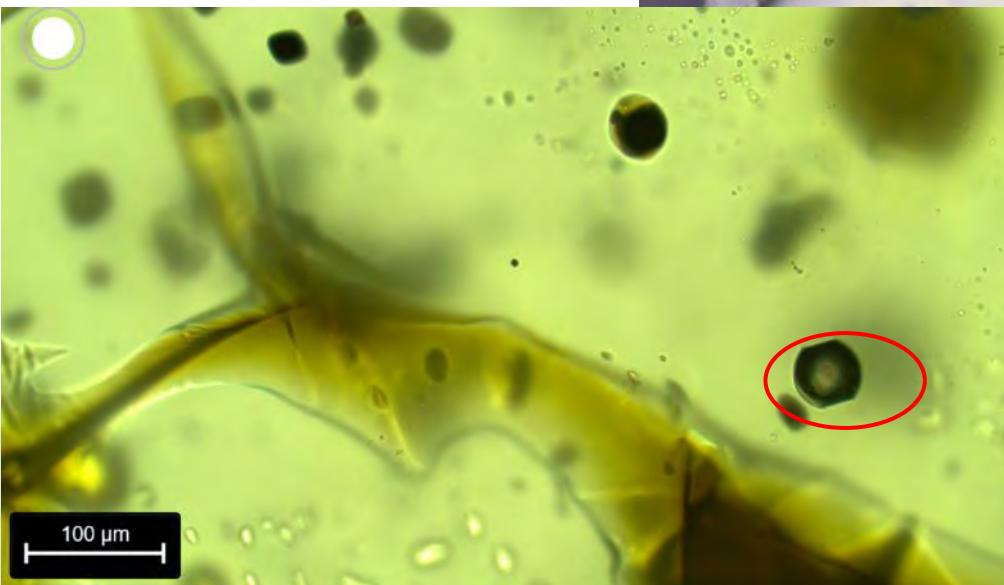
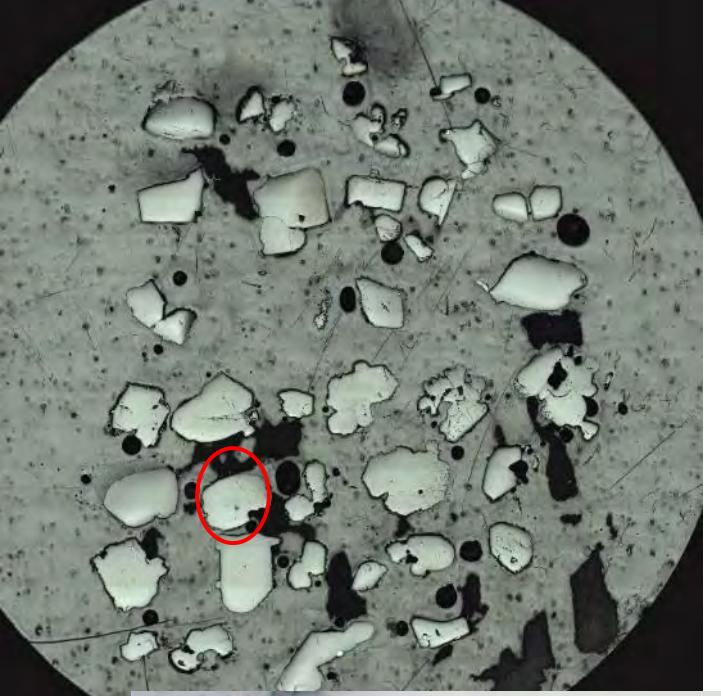


29th October 2022

# Folder: 28\_11\_2022\_FI

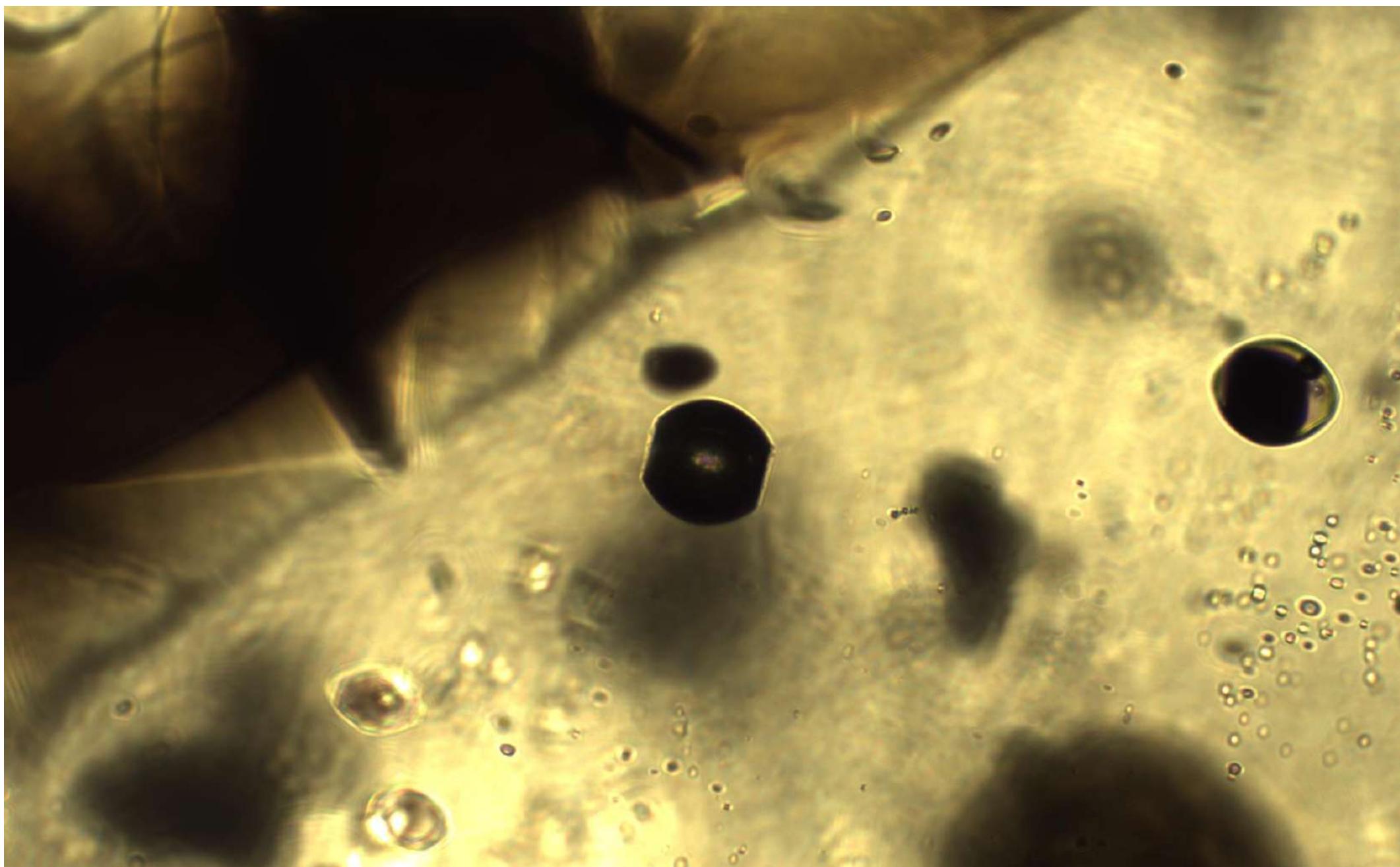
- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

MP2\_50\_FIA



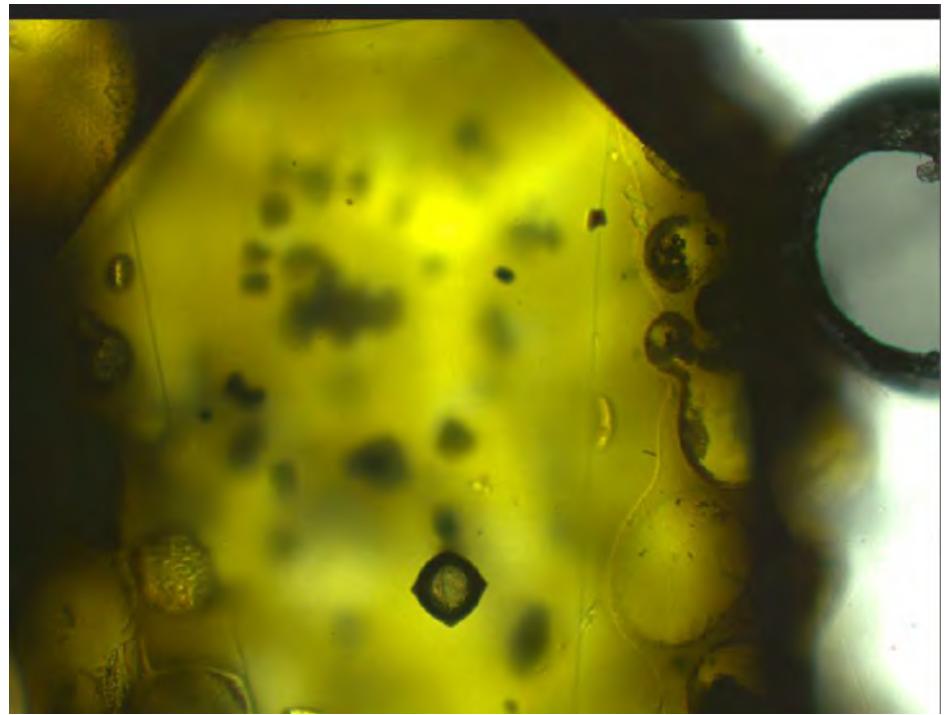
MLB Mauna Loa Fls

MP2\_50\_FIA





MP2\_51\_FIA  
V weak diad

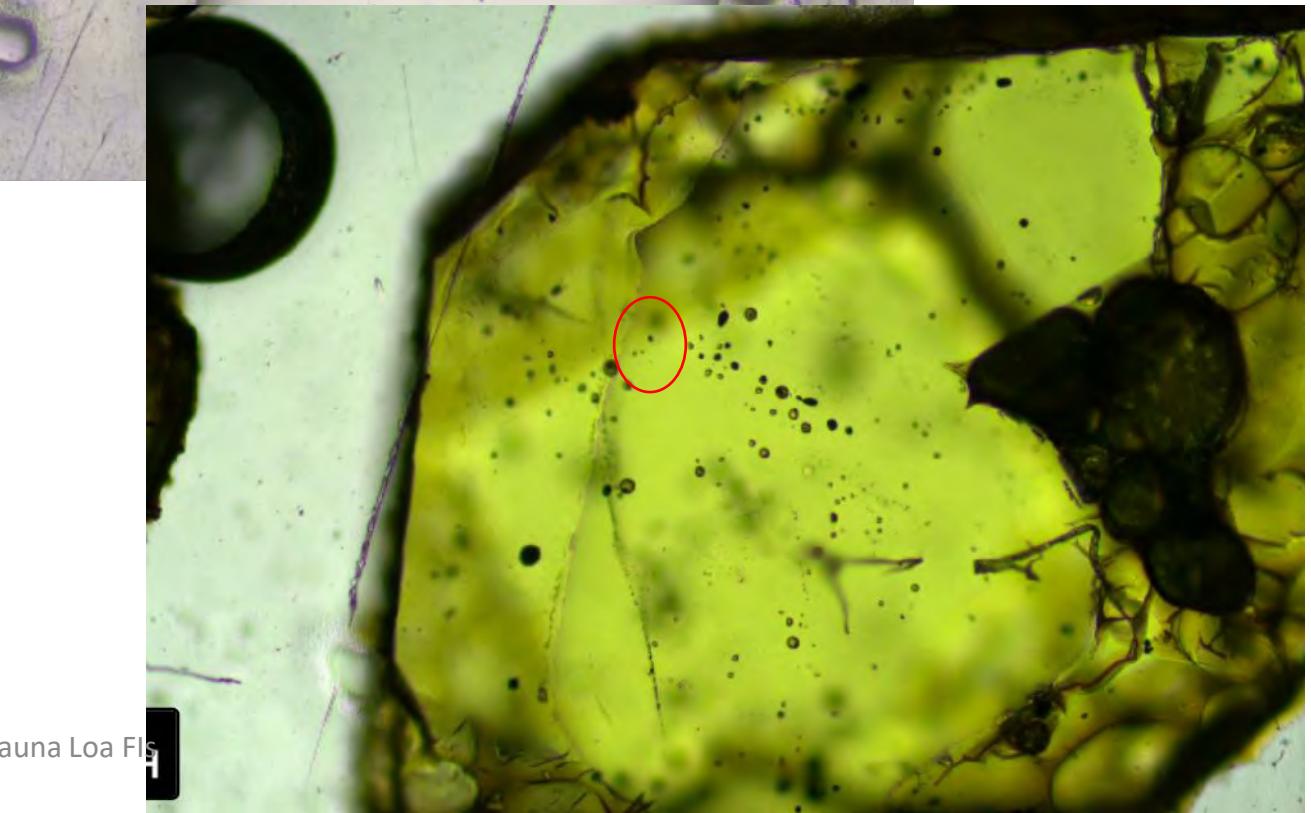
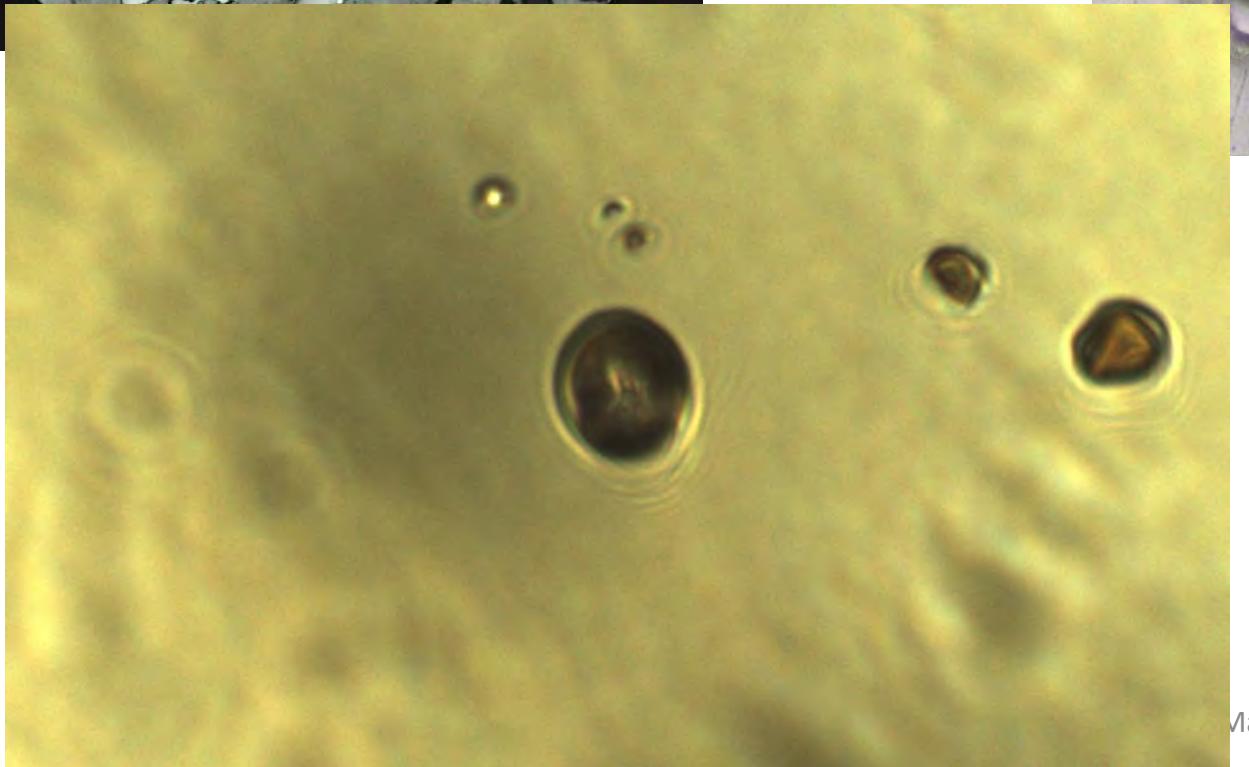


MLB Mauna Loa Fls

# Folder: 30\_11\_2022\_Aftereruption

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

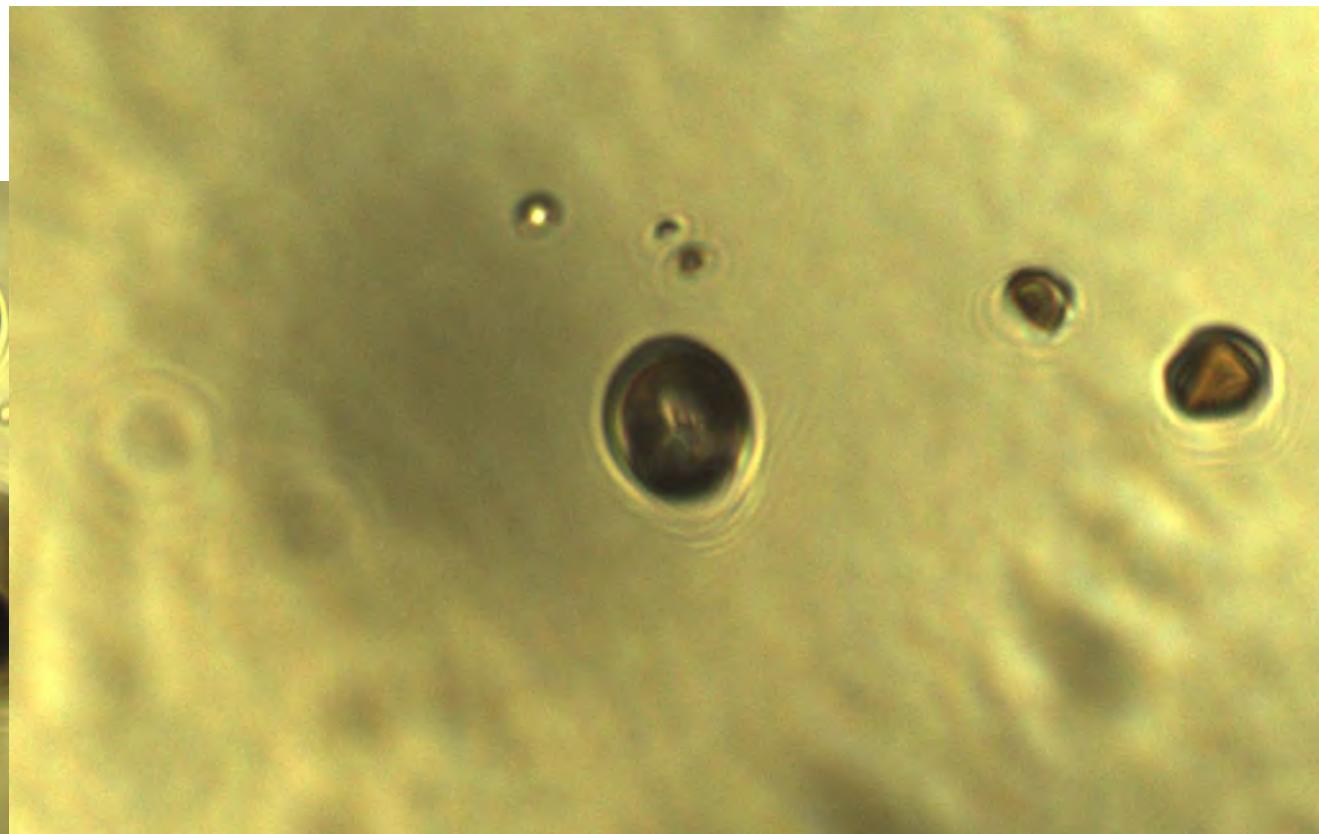
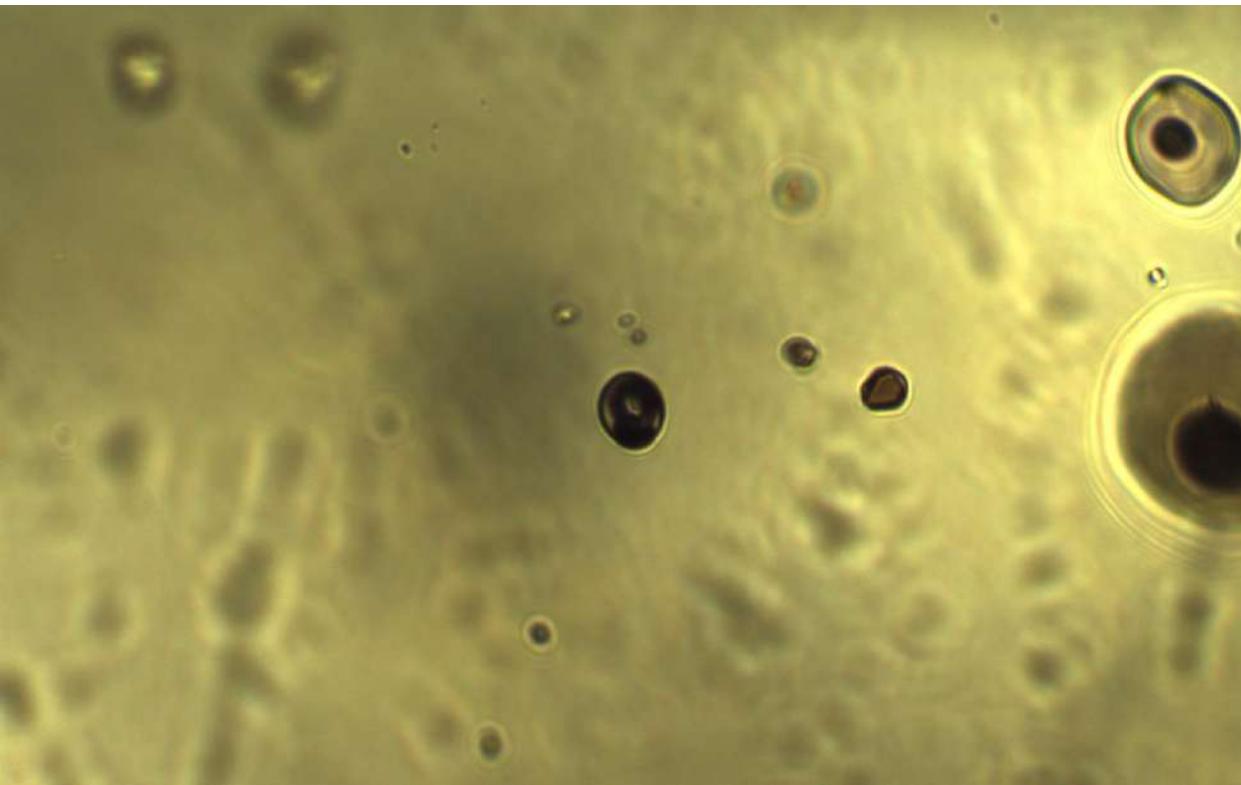
MP2\_53\_FIA



Mauna Loa Fls

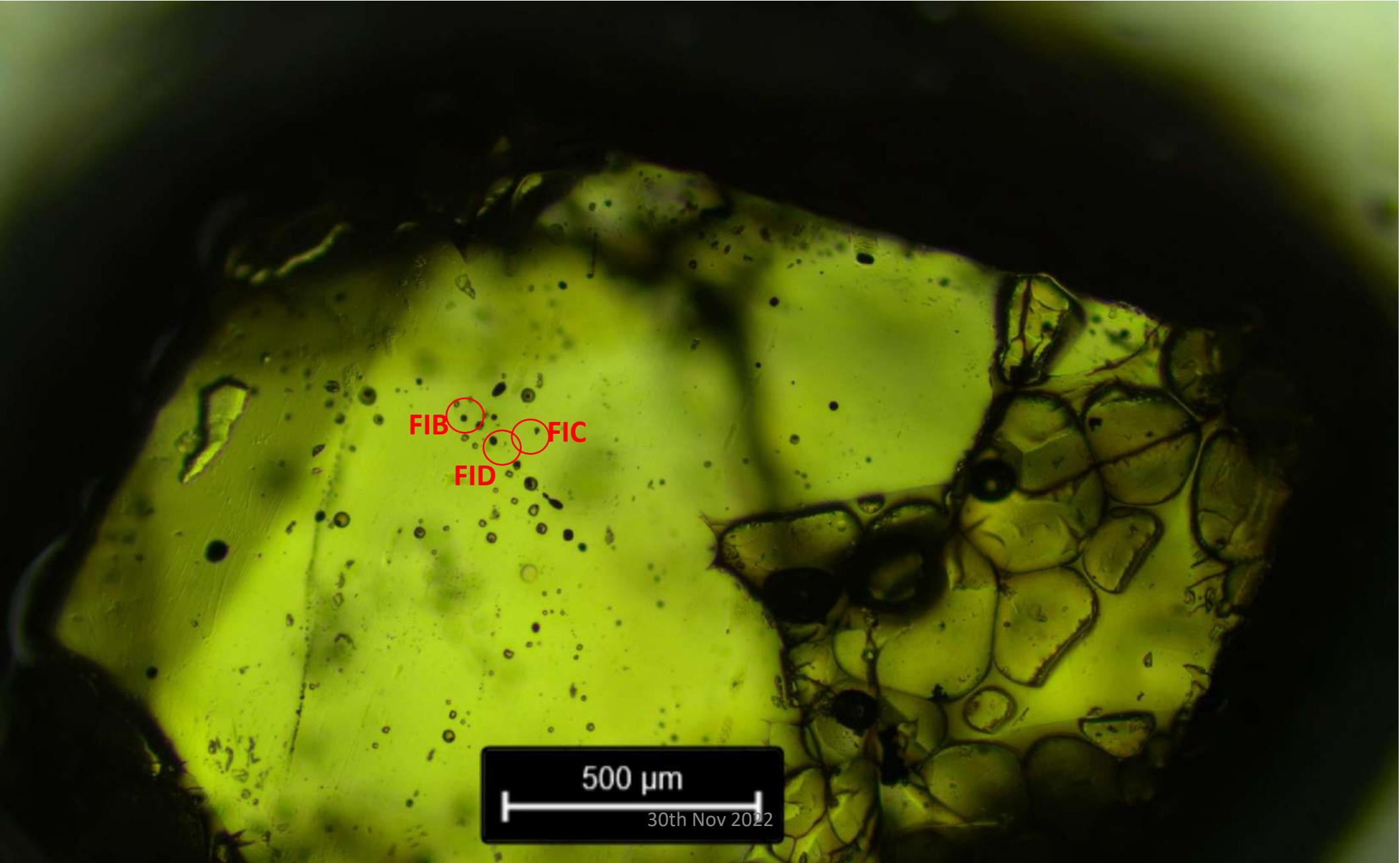
# MP2\_53\_FIA

	Filename	Mag	Width (µm)	Height (µm)
0	01 MP2_53_50X_FIA.txt	50	223.221	139.513



30th Nov 2022

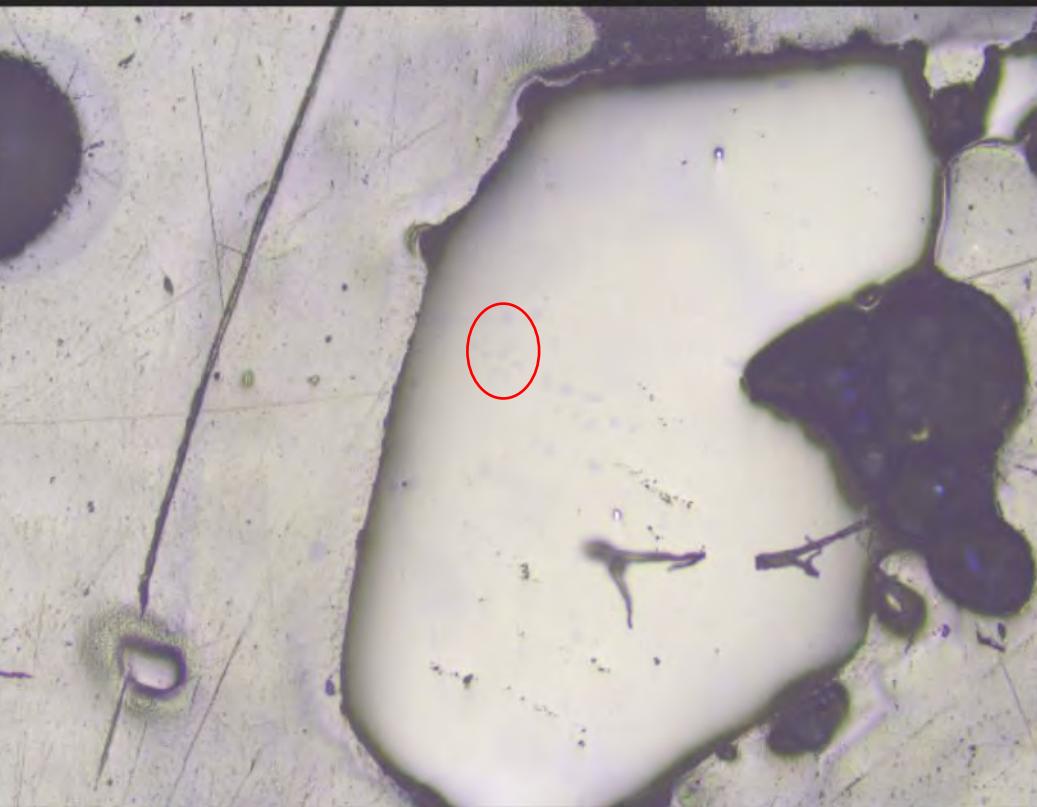
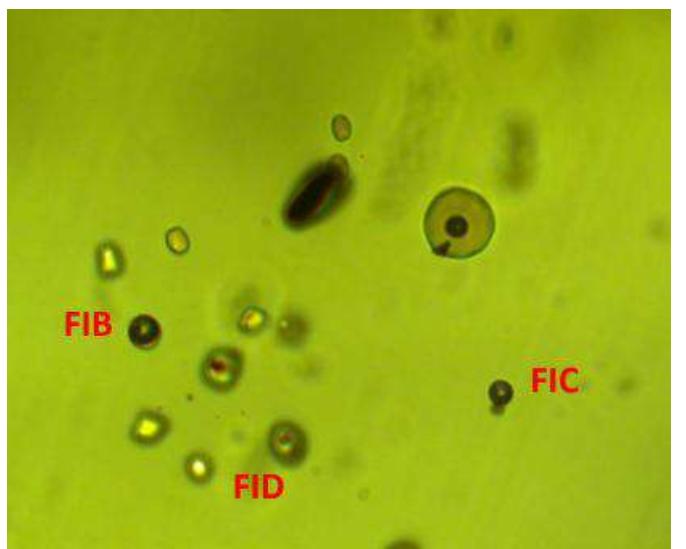
MP2\_53\_FIB, MP2\_53\_FIC, MP2\_53\_FID



500  $\mu\text{m}$   
30th Nov 2012



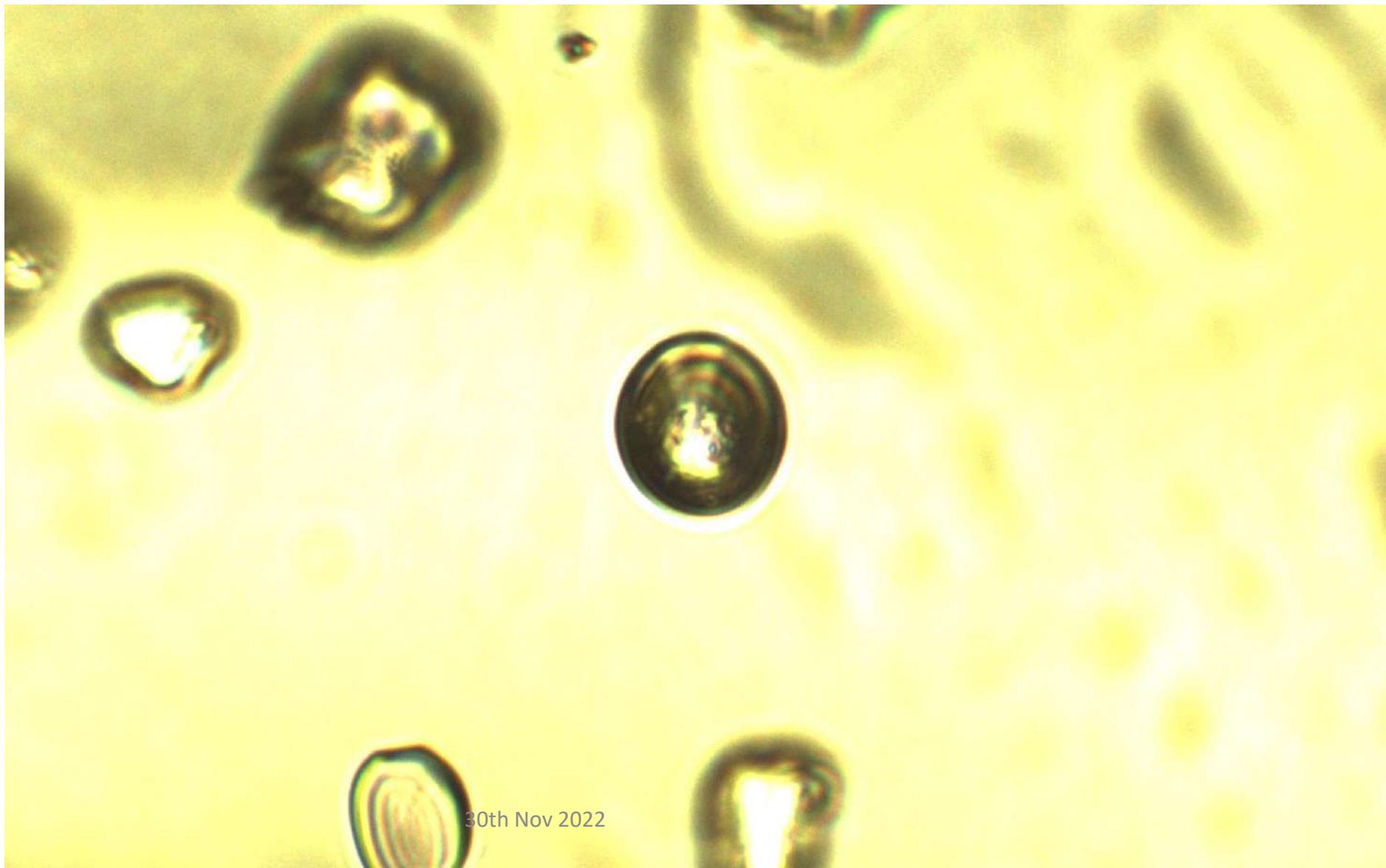
MP2\_53\_FIB,  
MP2\_53\_FIC,  
MP2\_53\_FID



MLB Mauna Loa Fls

# MP2\_53\_FIB

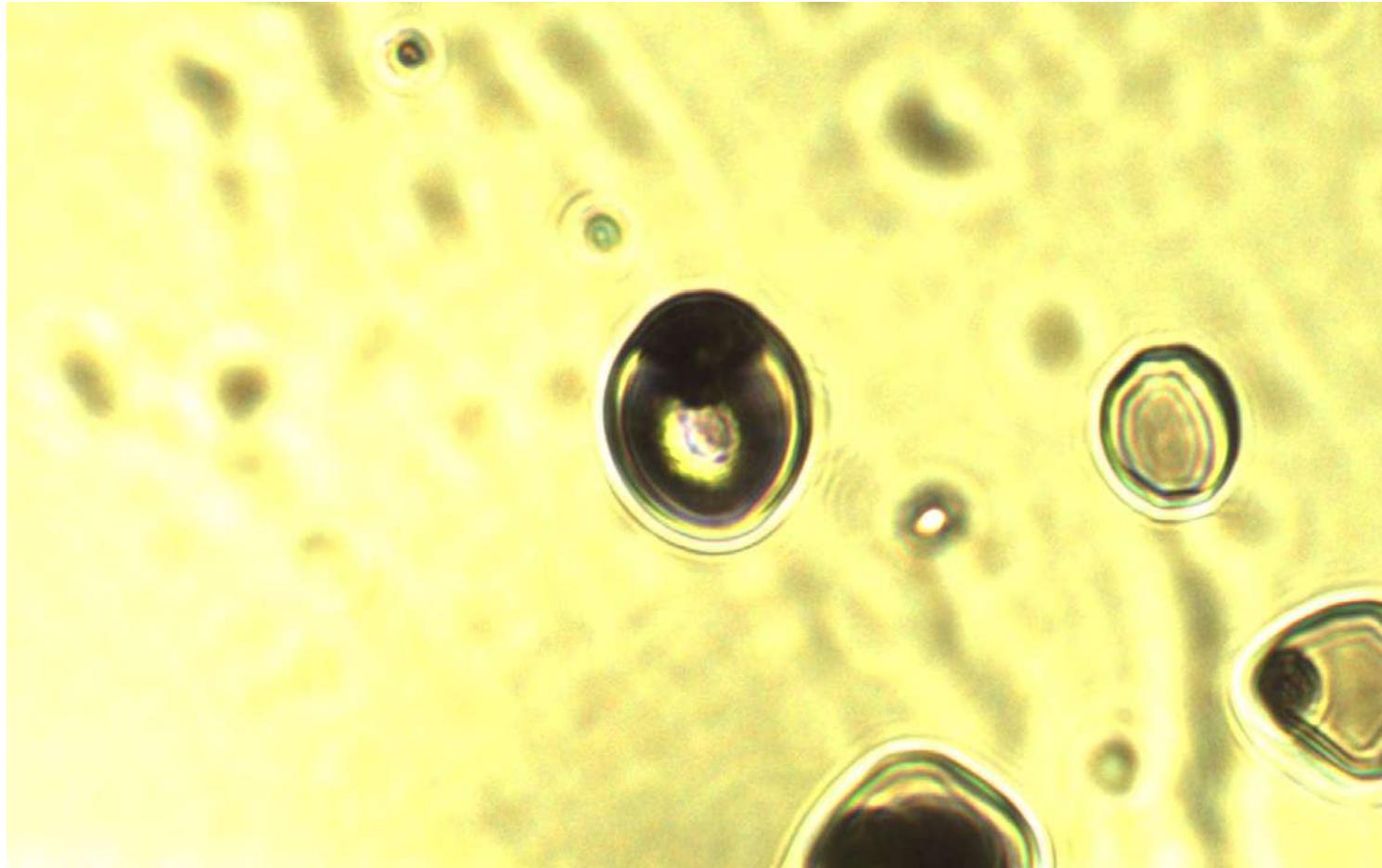
	Filename	Mag	Width (µm)	Height (µm)
2	07 MP2_53_100X_FIB.txt	100	111.423	69.640



30th Nov 2022

# MP2\_53\_FID

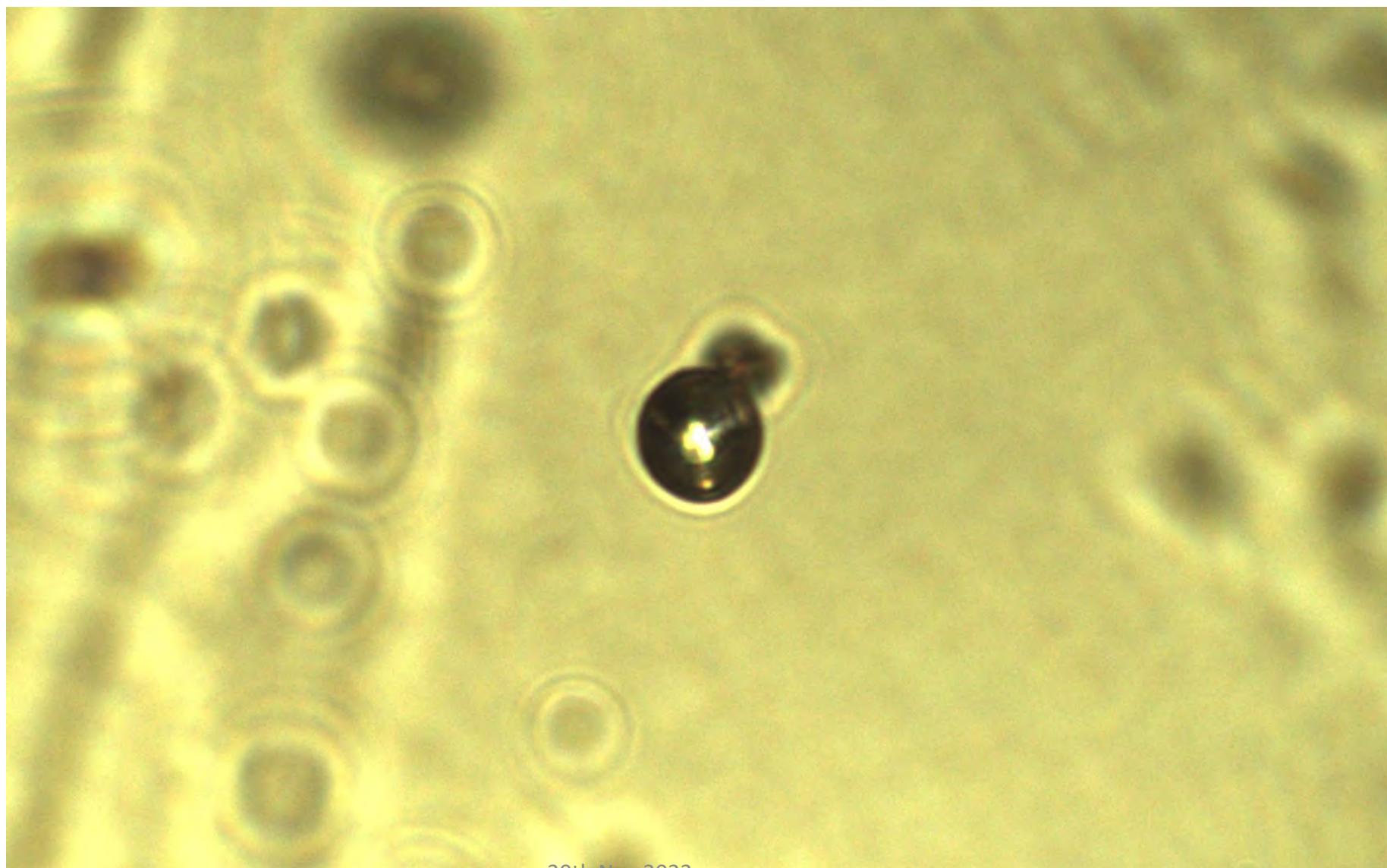
	Filename	Mag	Width (µm)	Height (µm)
3	09 MP2_53_100X_FID.txt	100	111.423	69.640



30th Nov 2022

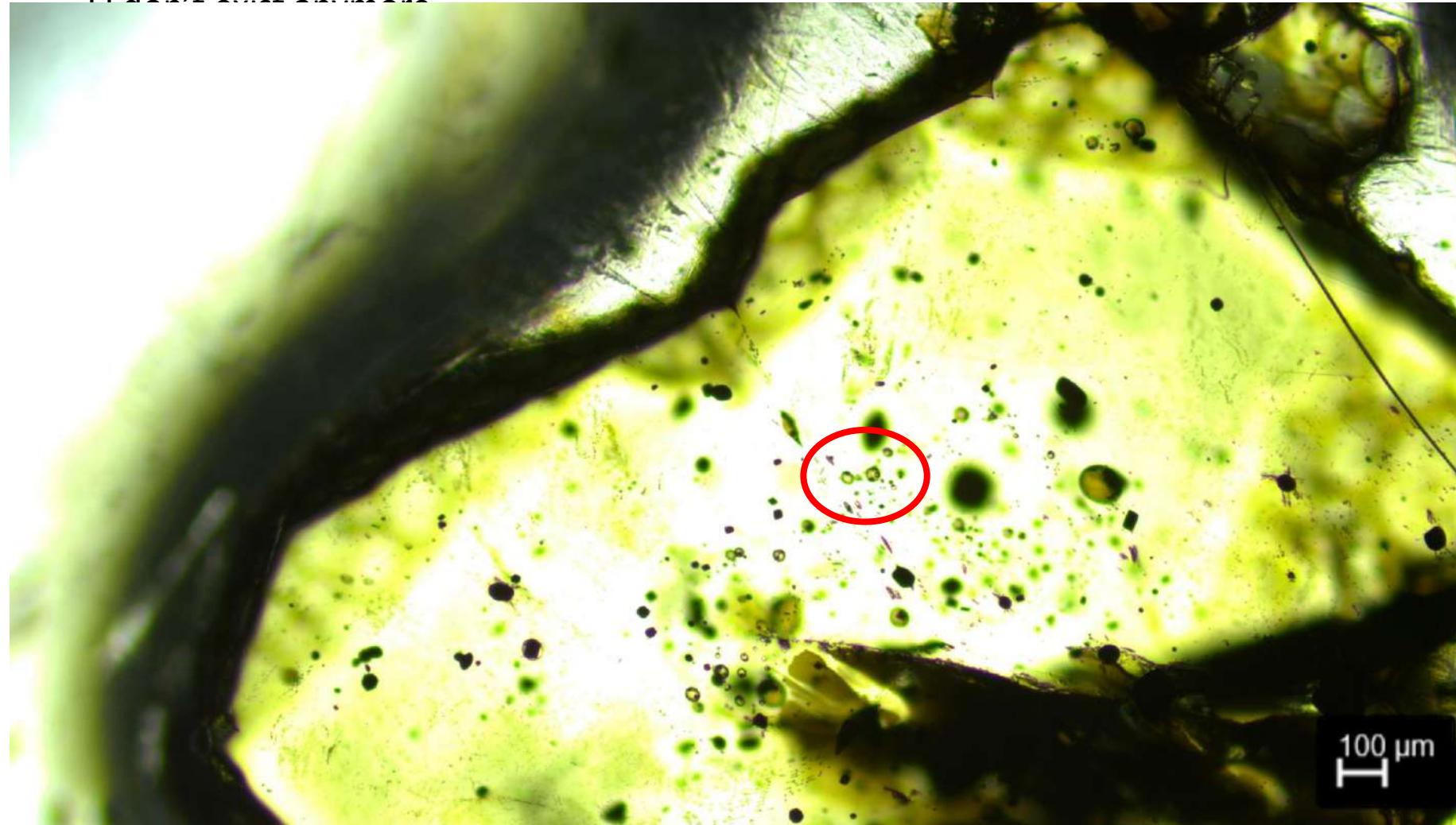
MP2\_53\_FIC

	Filename	Mag	Width (µm)	Height (µm)
4	11 MP2_53_100X_FIC.txt	100	111.423	69.640



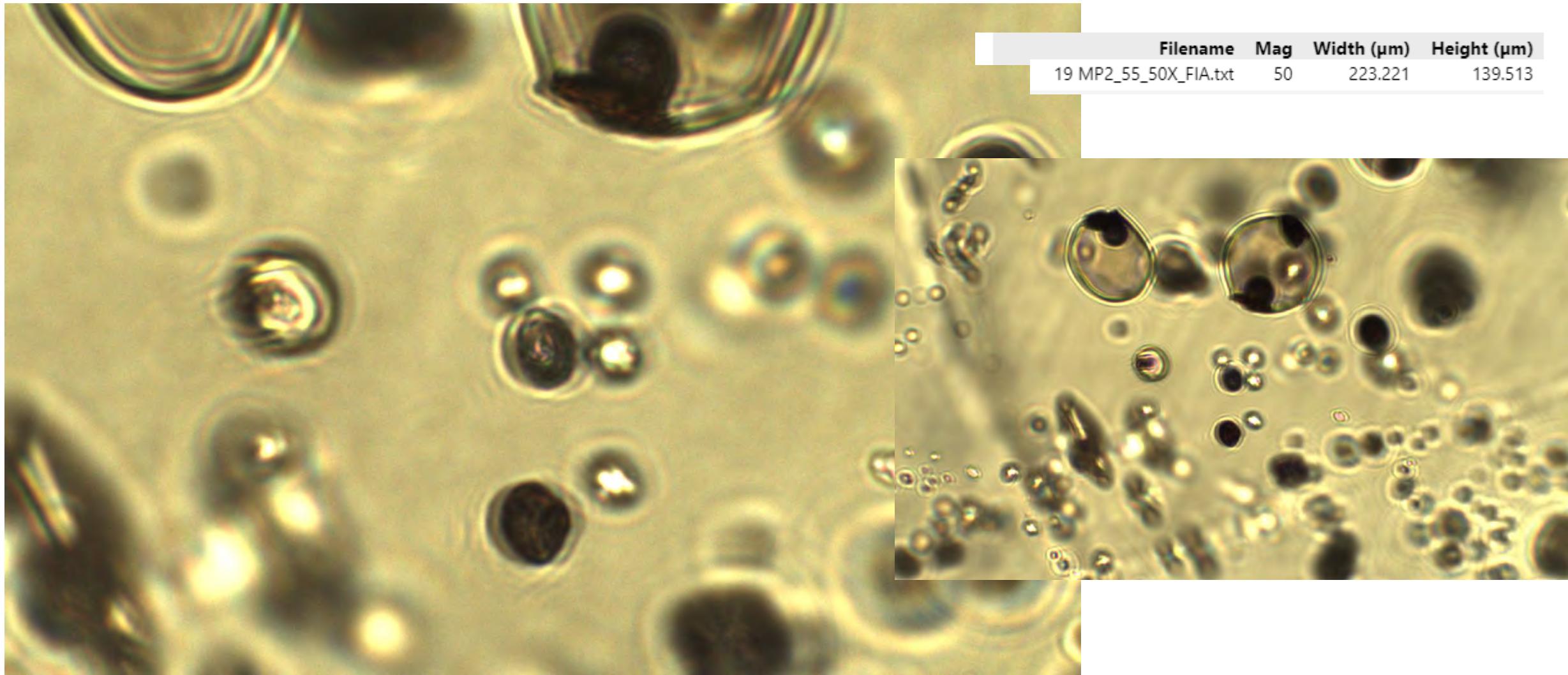
30th Nov 2022

MP2\_55\_FIA- originally did Nov 30th, but very deep. Redid in March 2023. Original  
FL didn't exist anymore

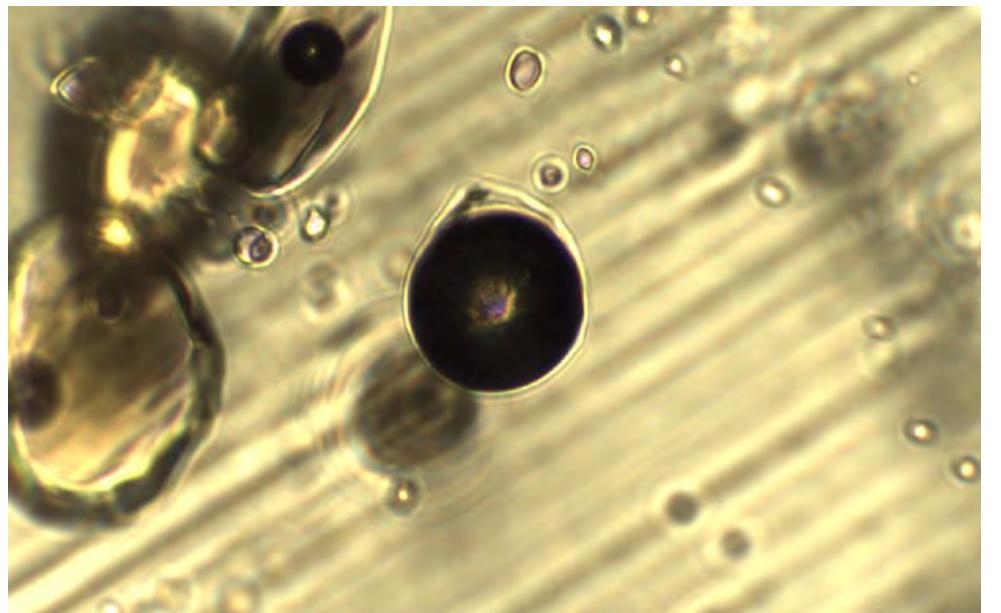
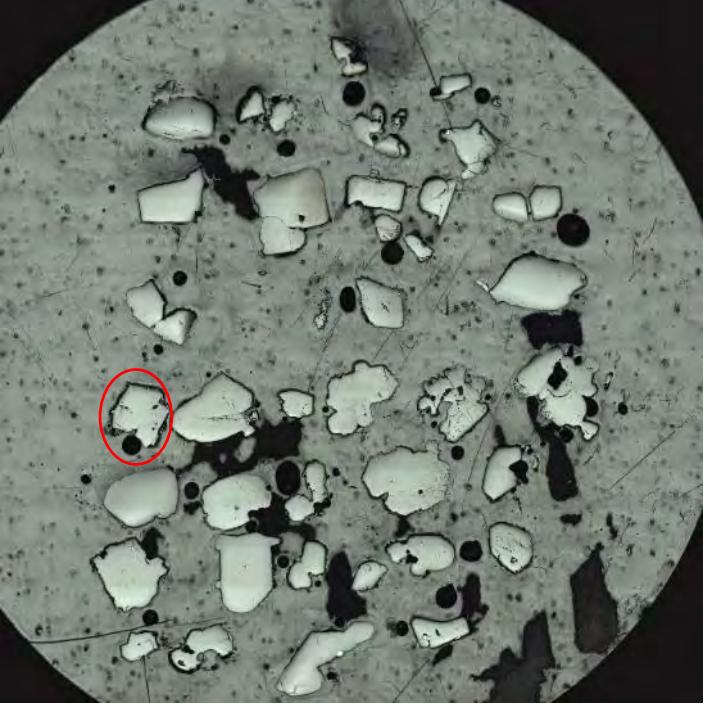


30th Nov 2022

MP2\_55\_FIA- ground through,  
slightly below after Feb2023

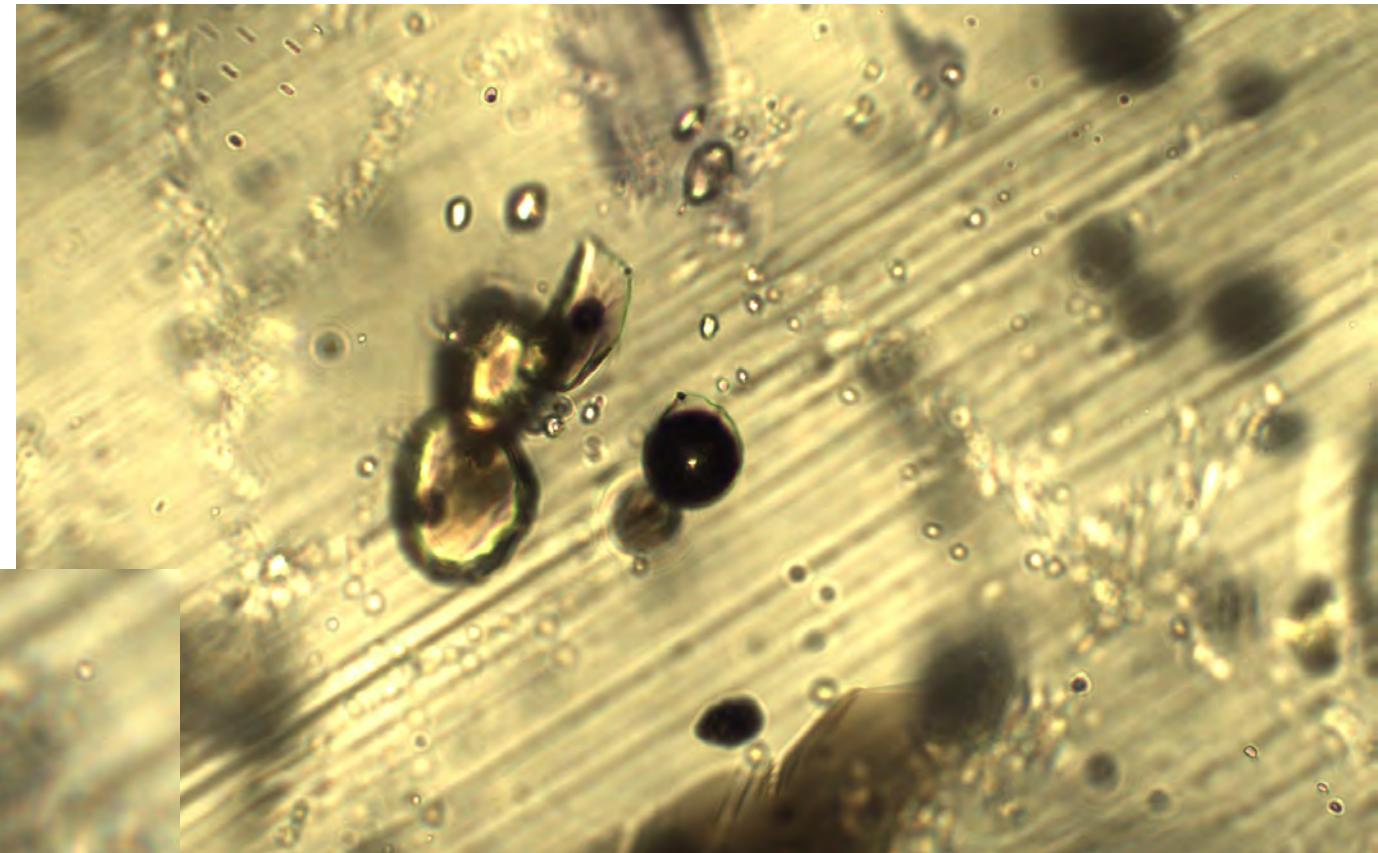
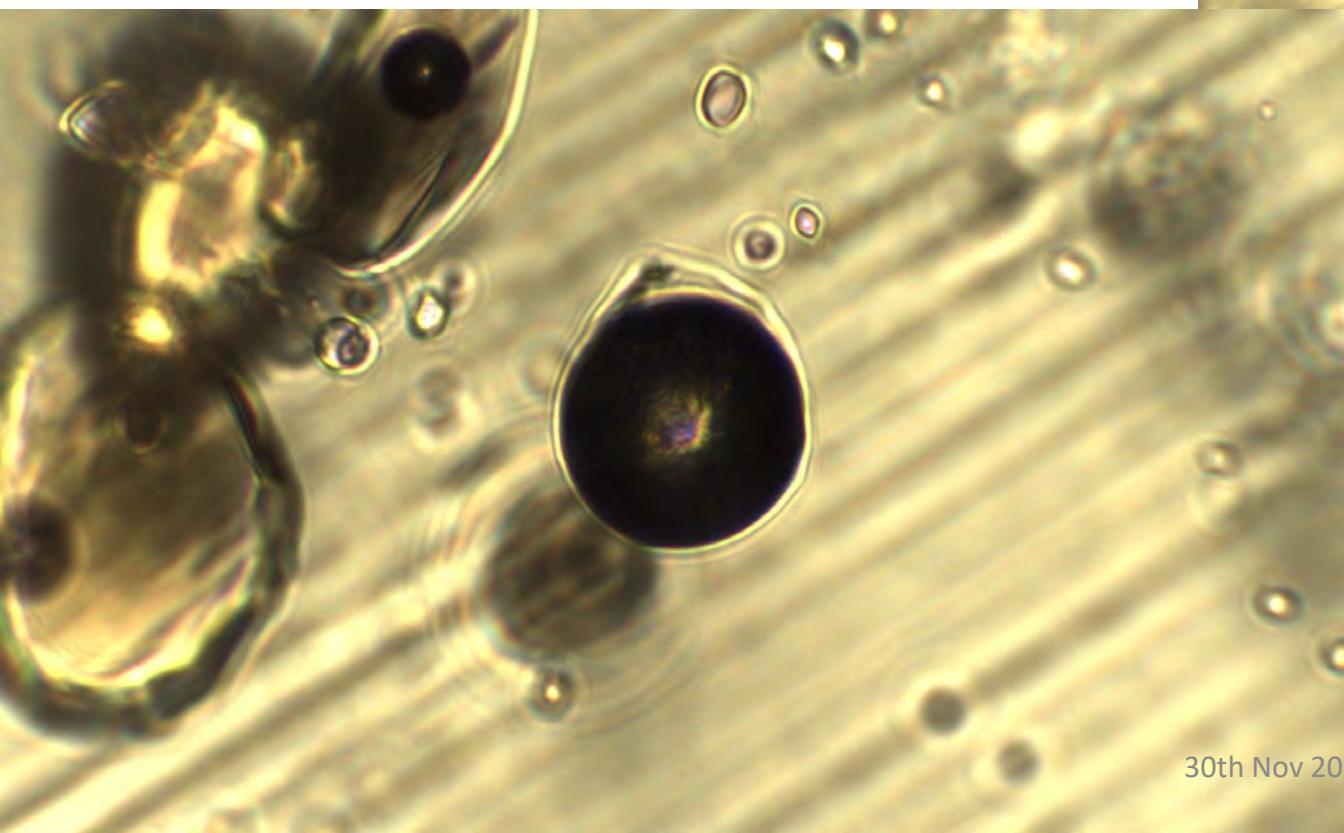


MP2\_56\_FIA

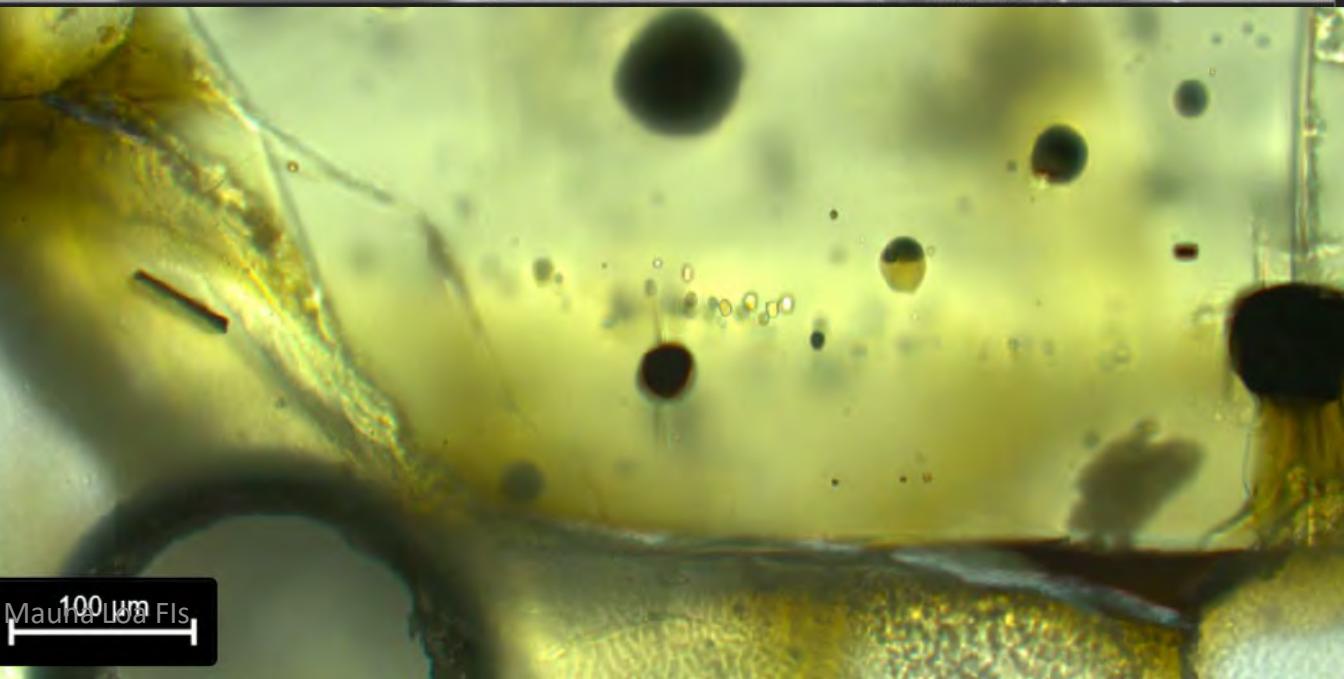
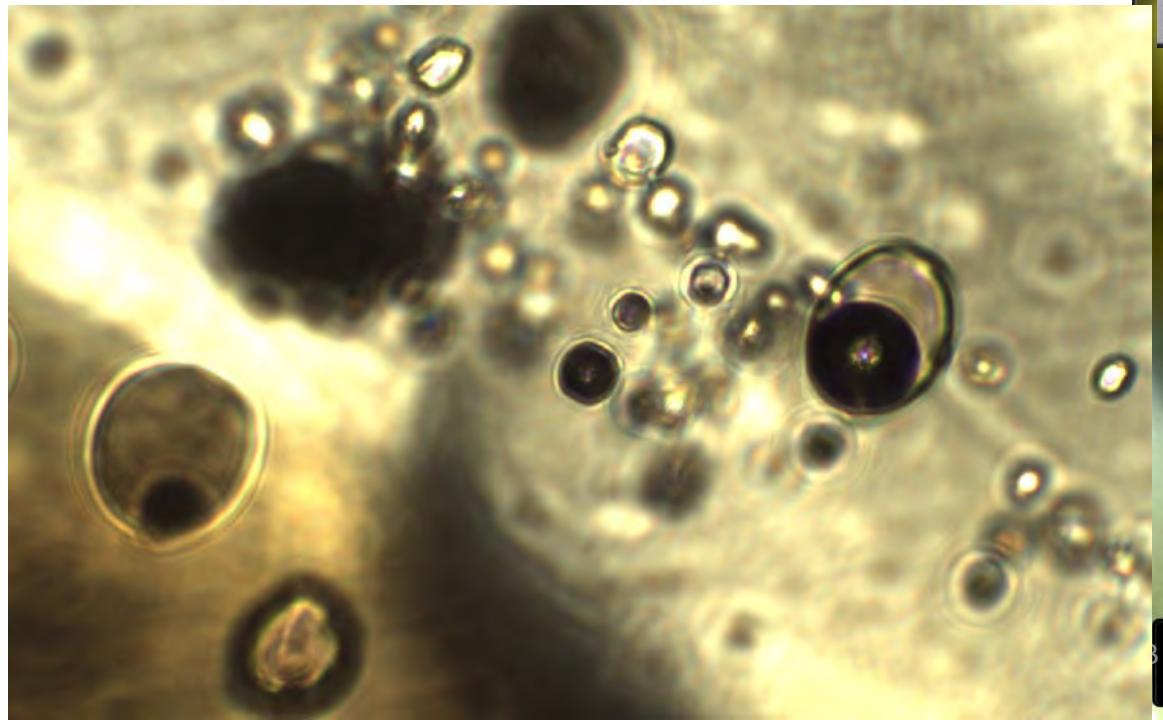
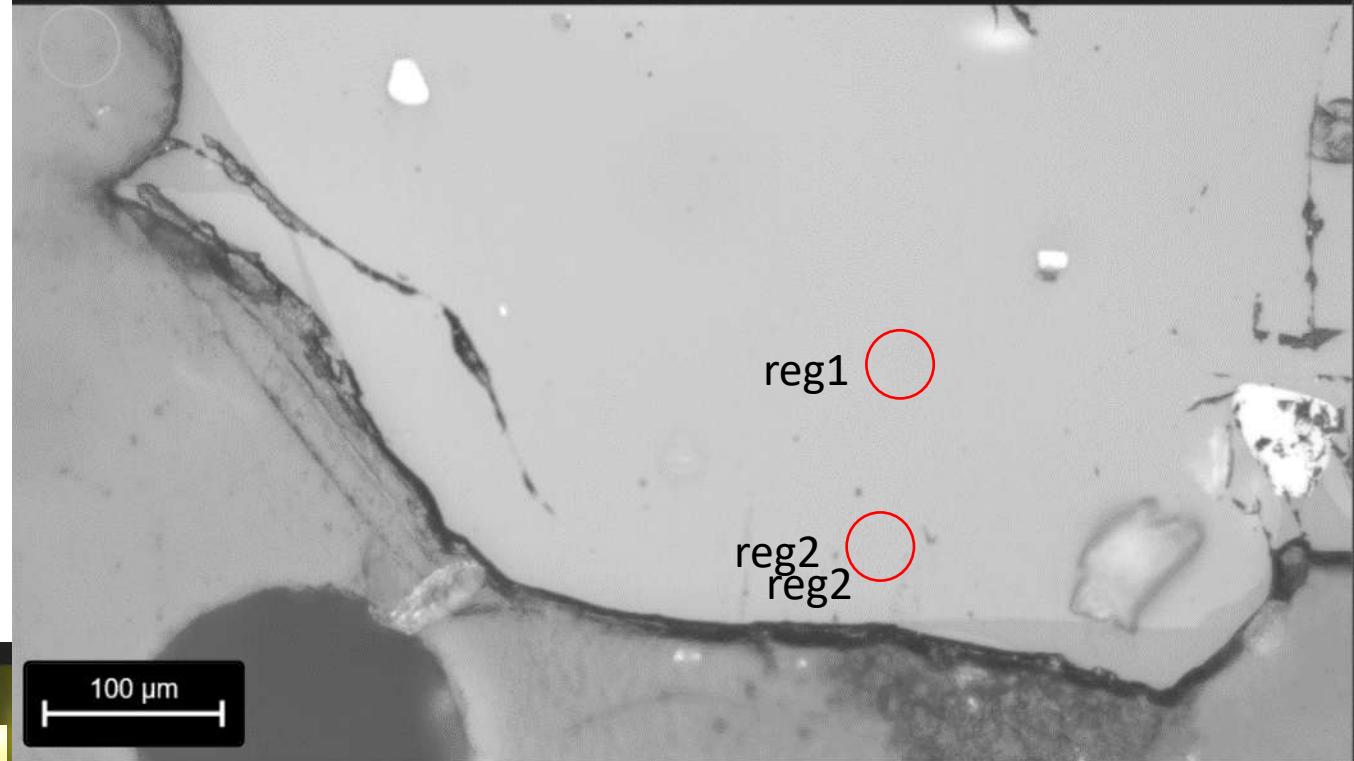
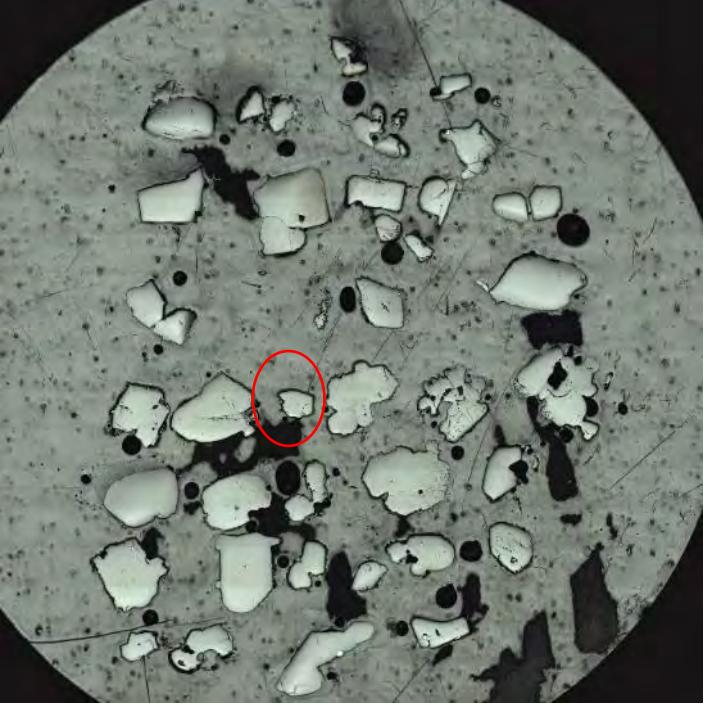


# MP2\_56\_FIA

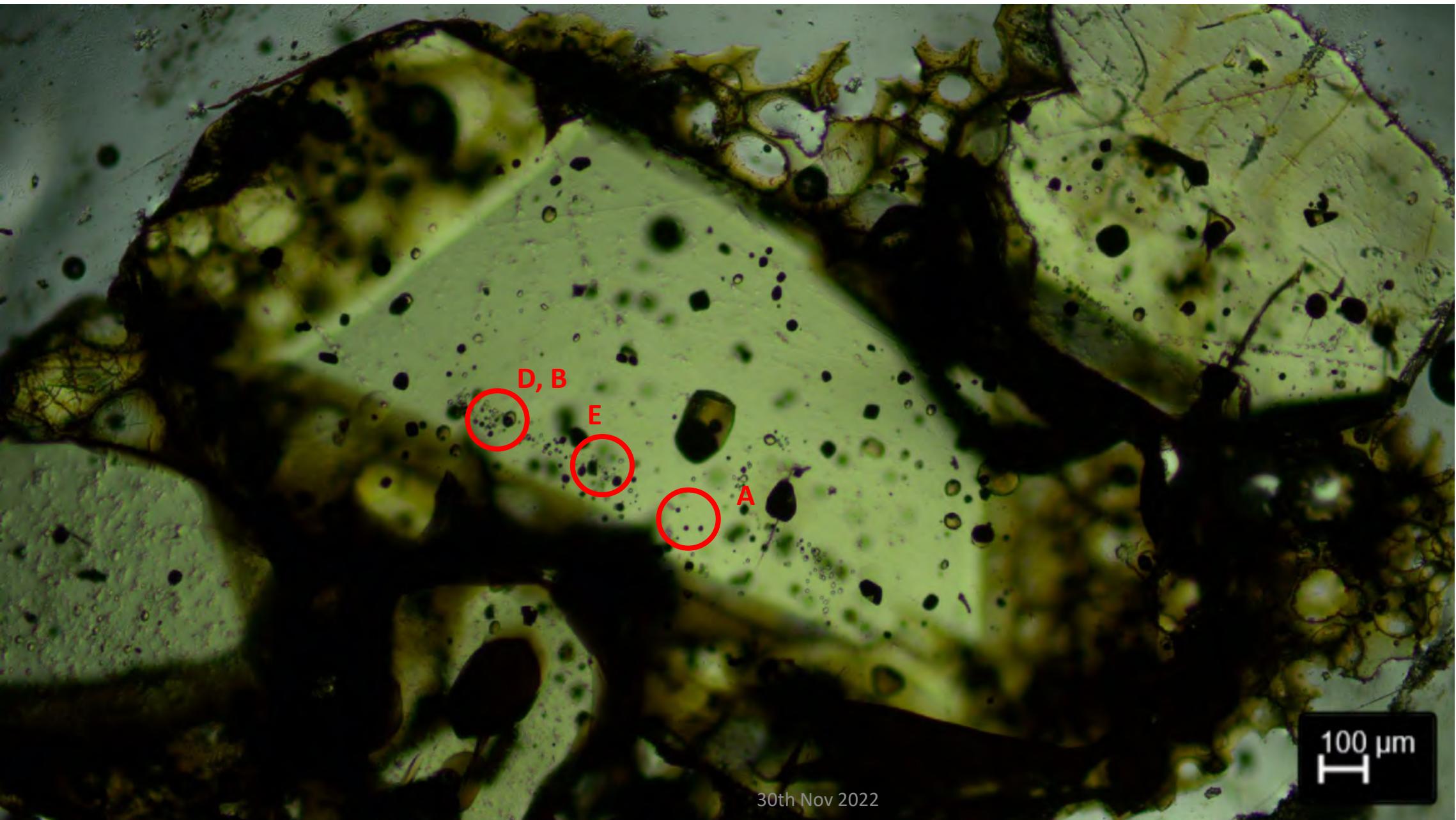
	Filename	Mag	Width (µm)	Height (µm)
10	23 MP2_56_50X_FIA.txt	50	223.221	139.513



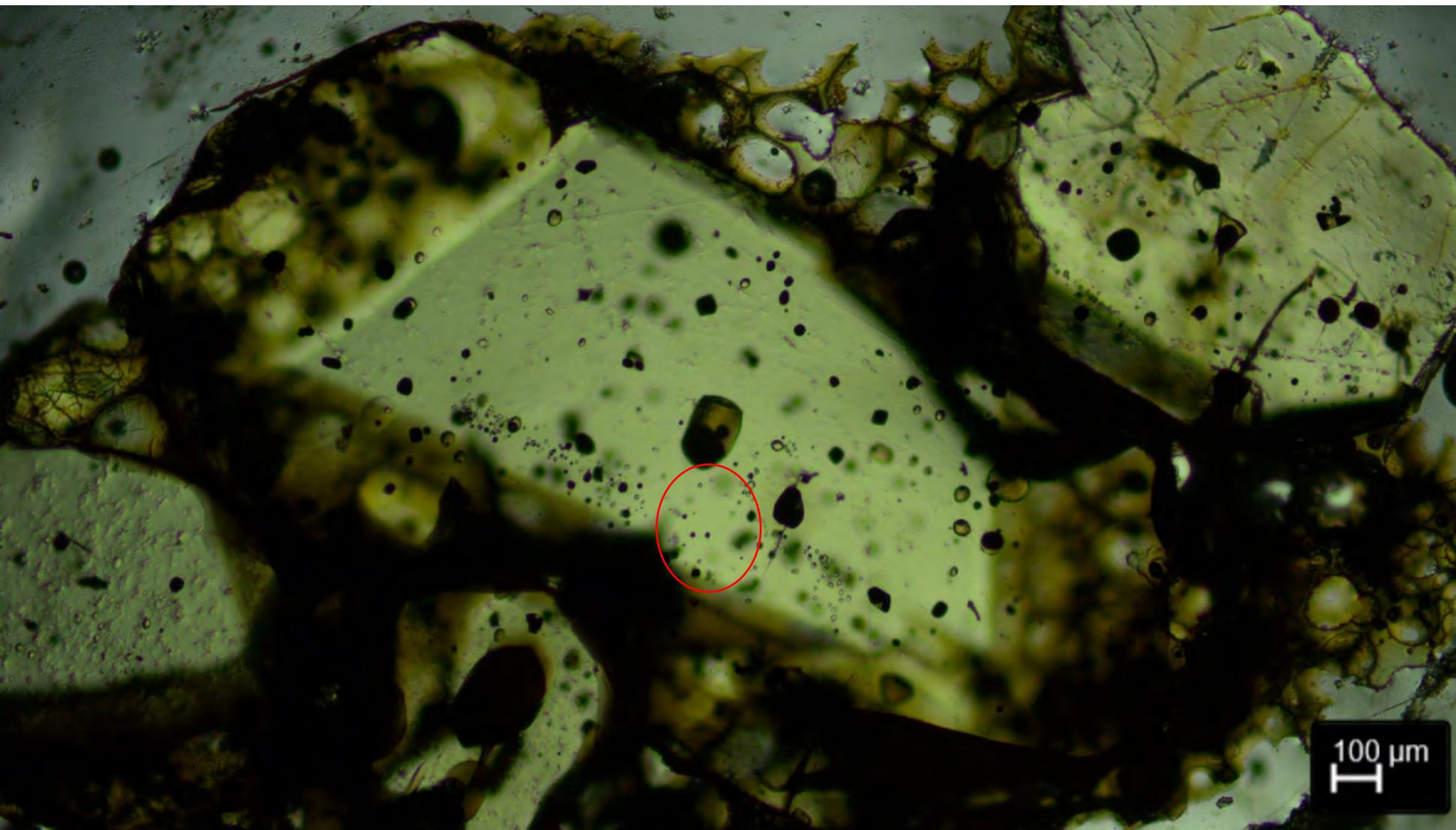
30th Nov 2022



MP2\_57\_FIA, D E all along growth zone, FIB just a bit shallower.

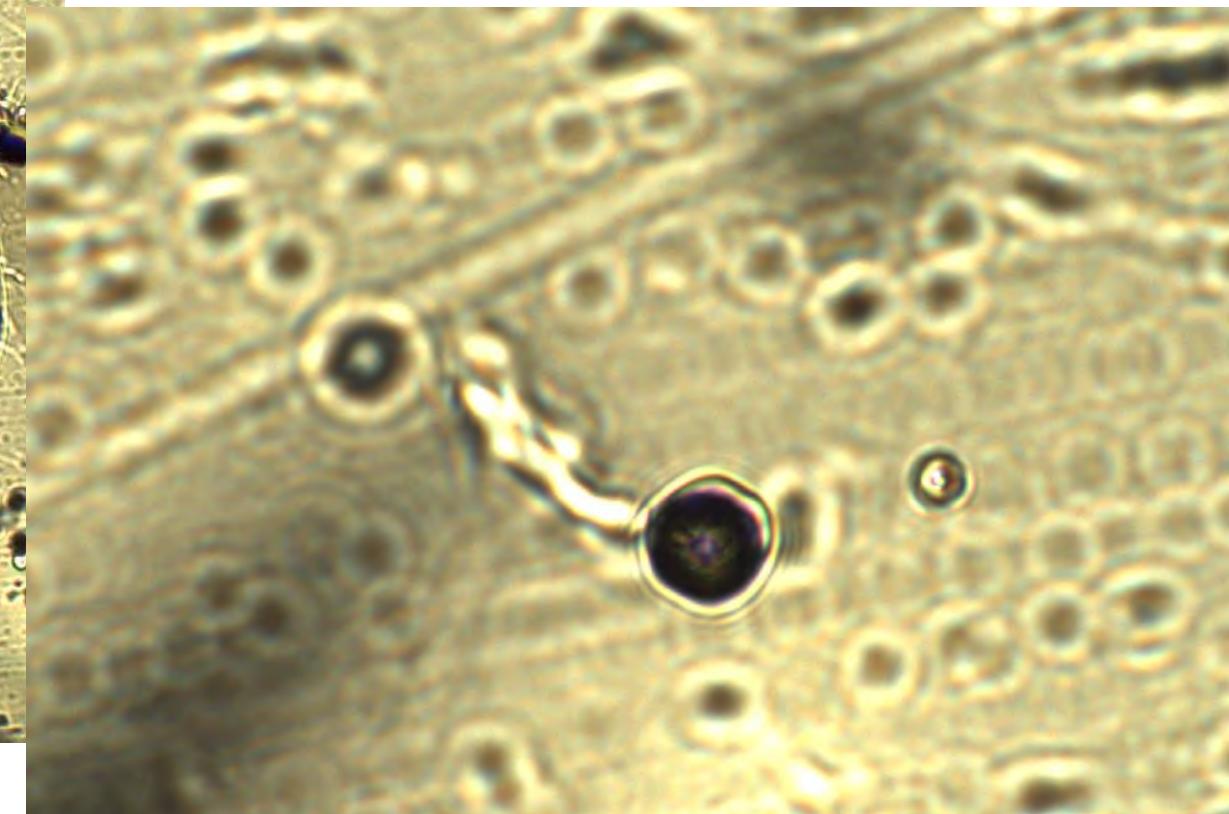
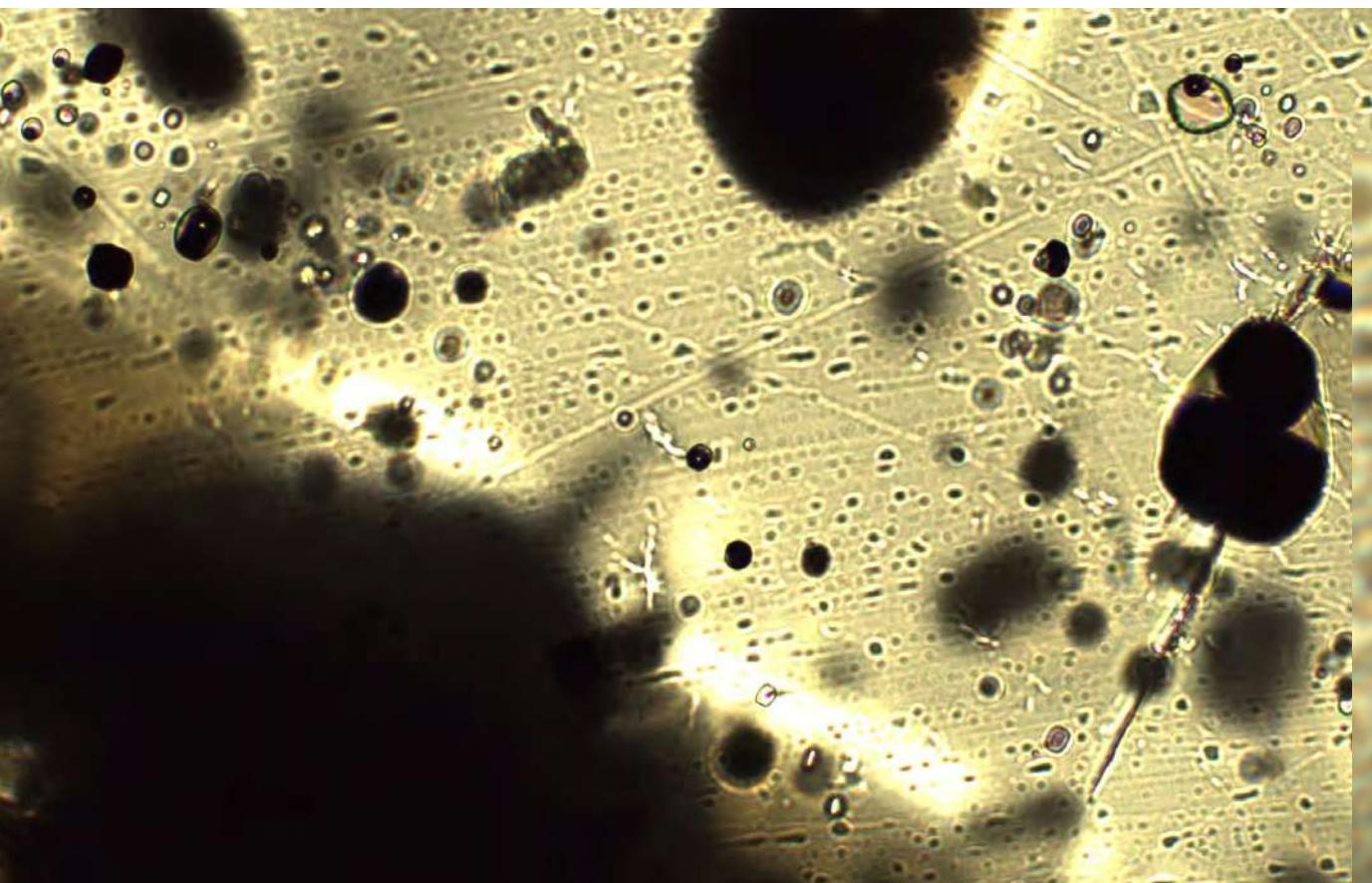


MP2\_57\_FIA – does appear to be along a growth zone



30th Nov 2022

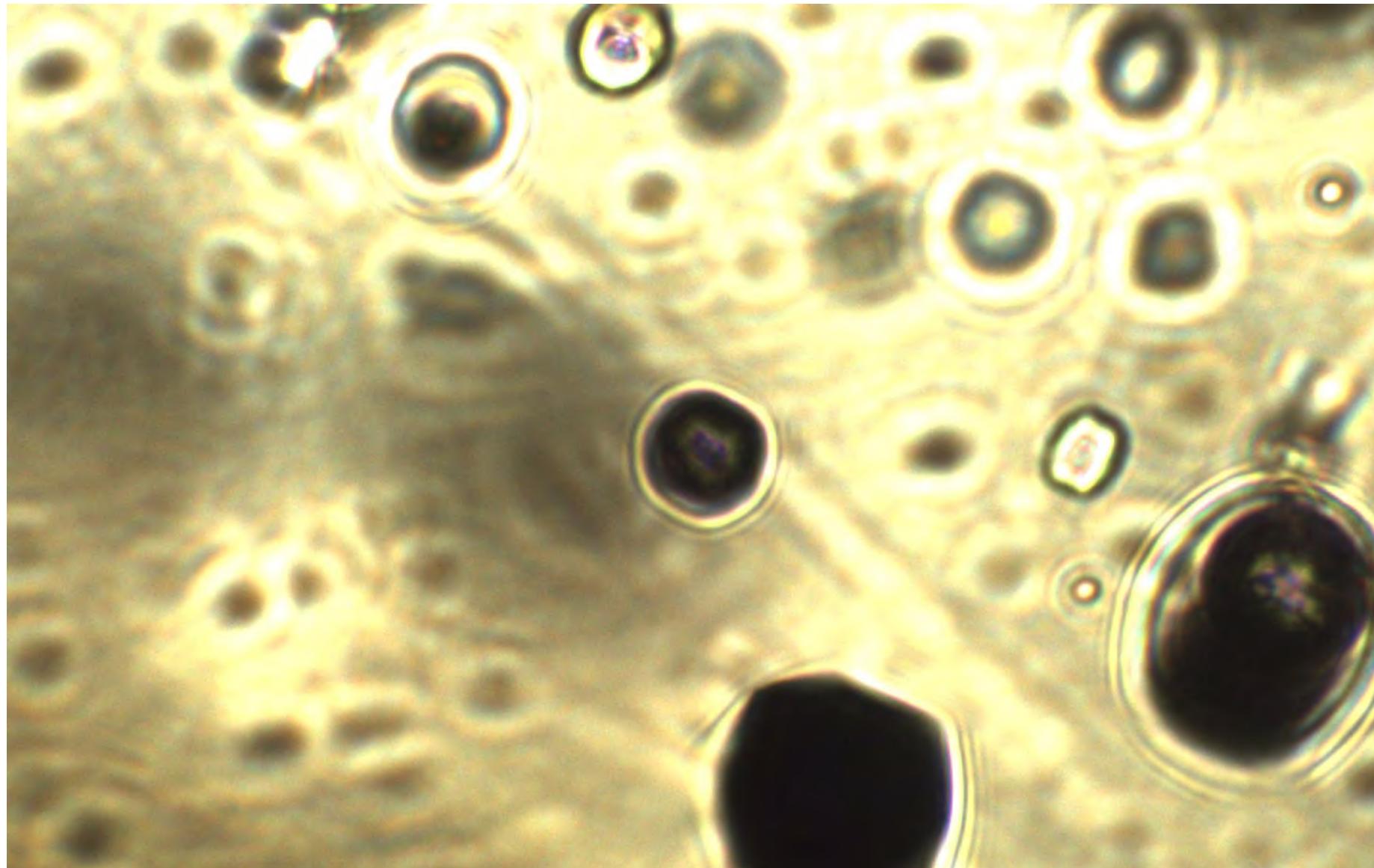
MP2\_57\_FIA – appears to be along a growth zone on the outer rim fo  
the xstal



	Filename	Mag	Width (µm)	Height (µm)
11	24 MP2_57_50X_FIA.txt	50	223.221	139.513

MP2\_57\_FIE

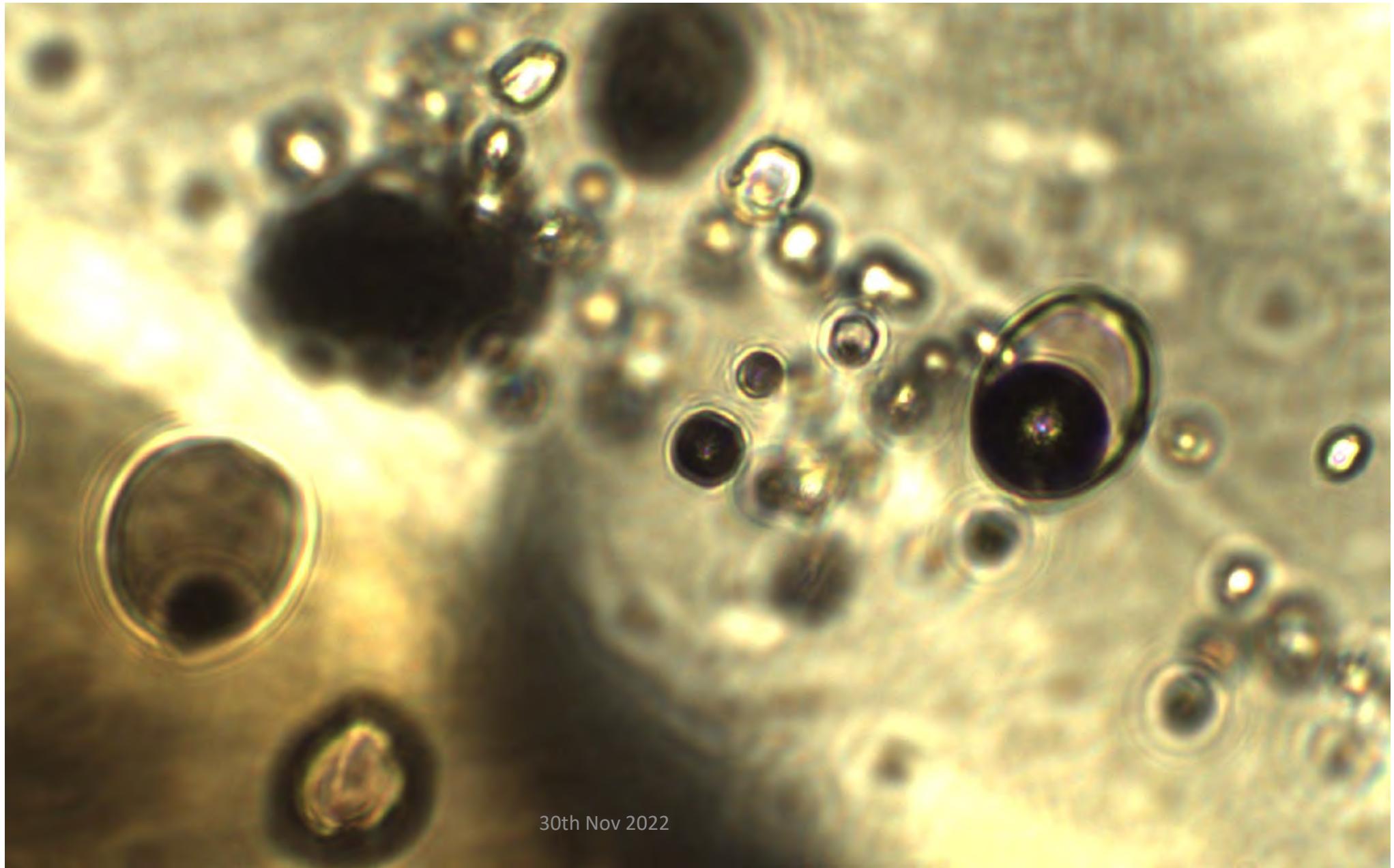
	Filename	Mag	Width (µm)	Height (µm)
14	32 MP2_57_100X_FIE.txt	100	111.423	69.640



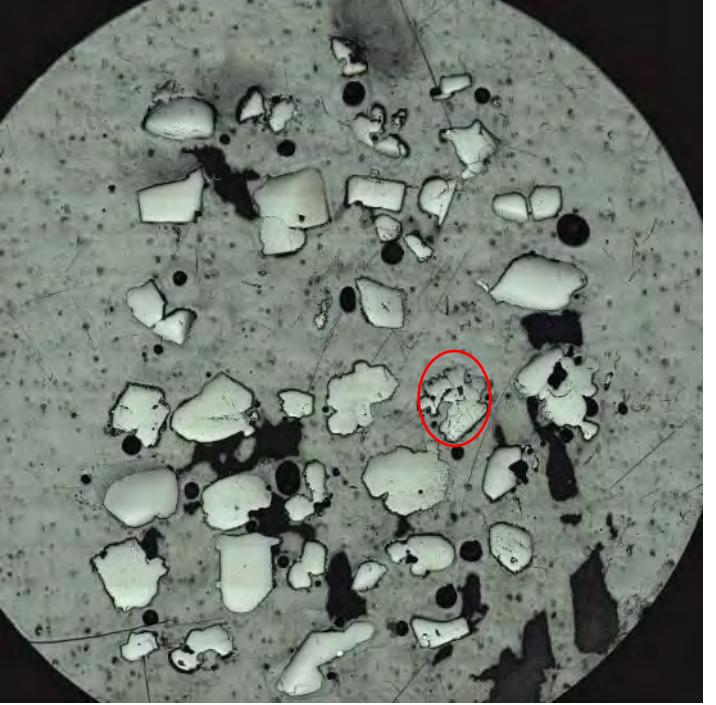
30th Nov 2022

MP2\_57\_FID

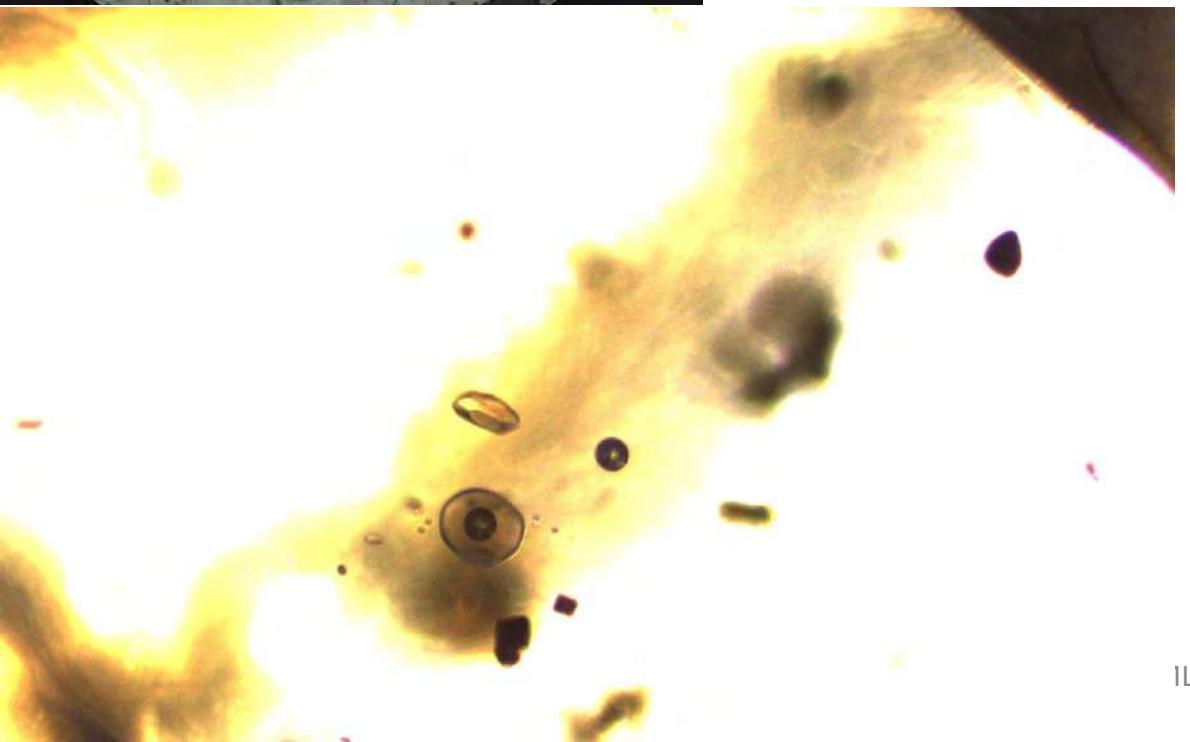
	Filename	Mag	Width (µm)	Height (µm)
15	34 MP2_57_50X_FID.txt	50	223.221	139.513



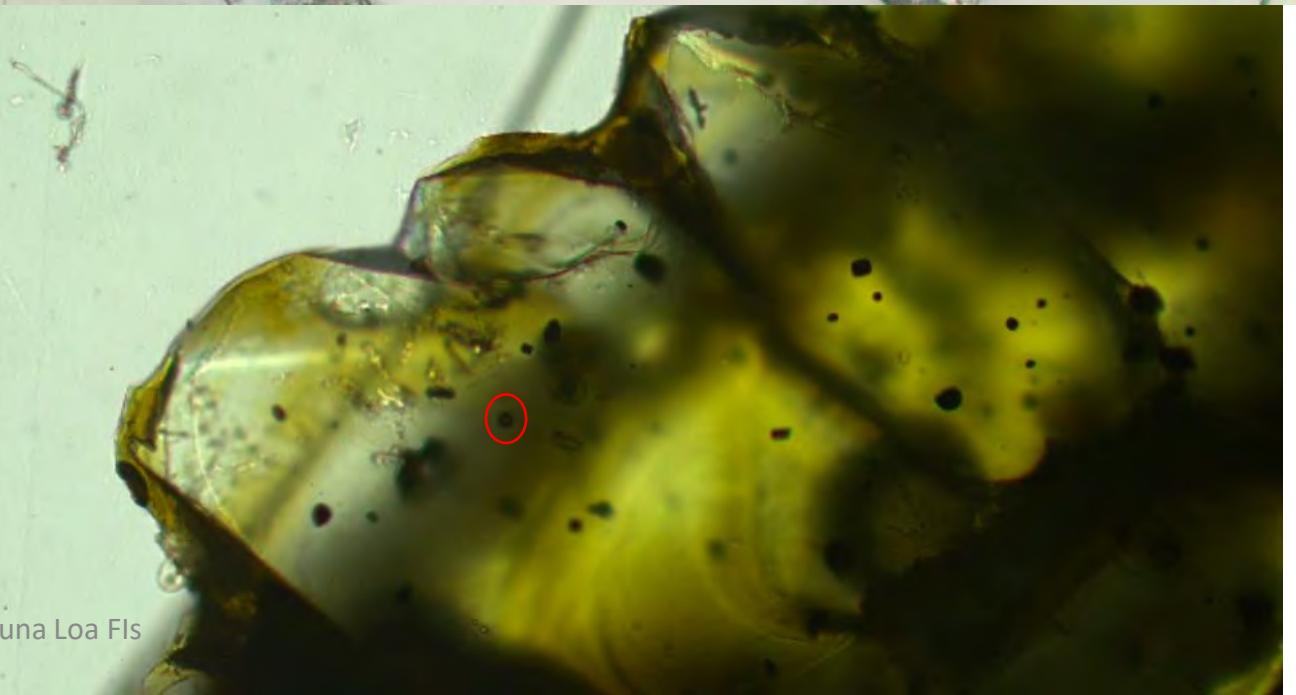
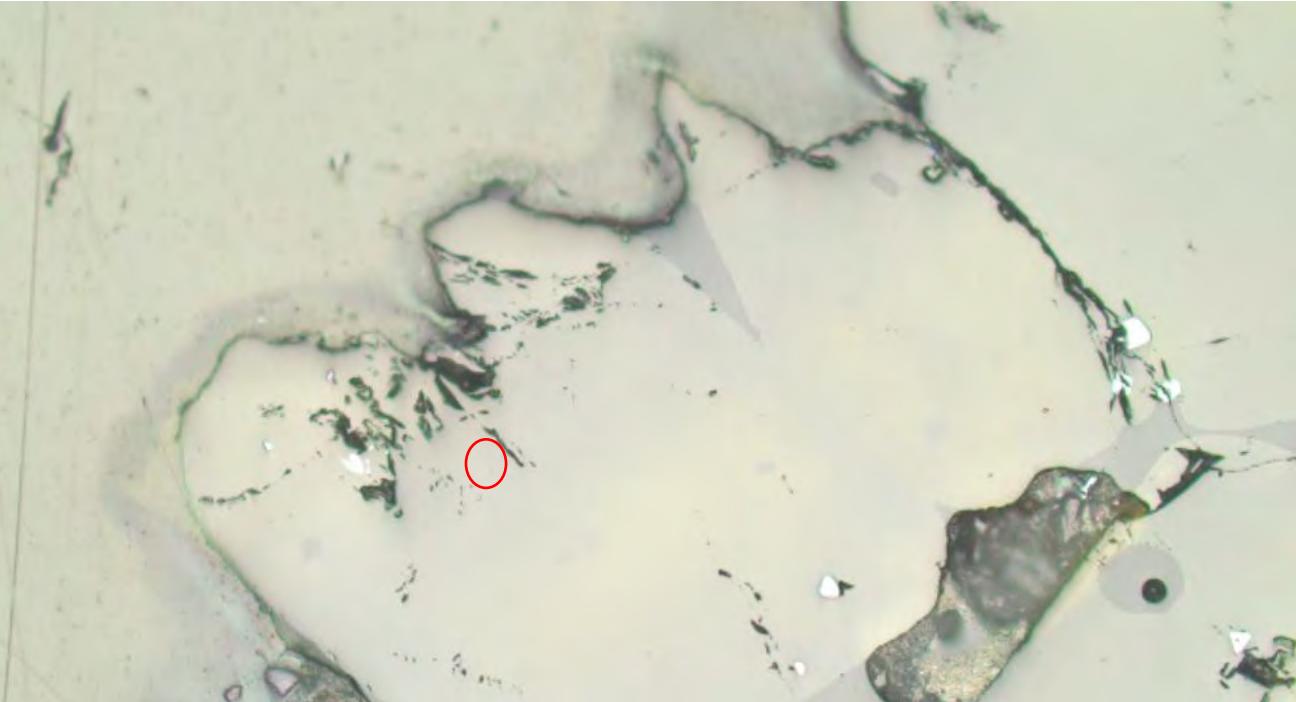
30th Nov 2022



MP2\_58\_FIA  
Just below the  
crack

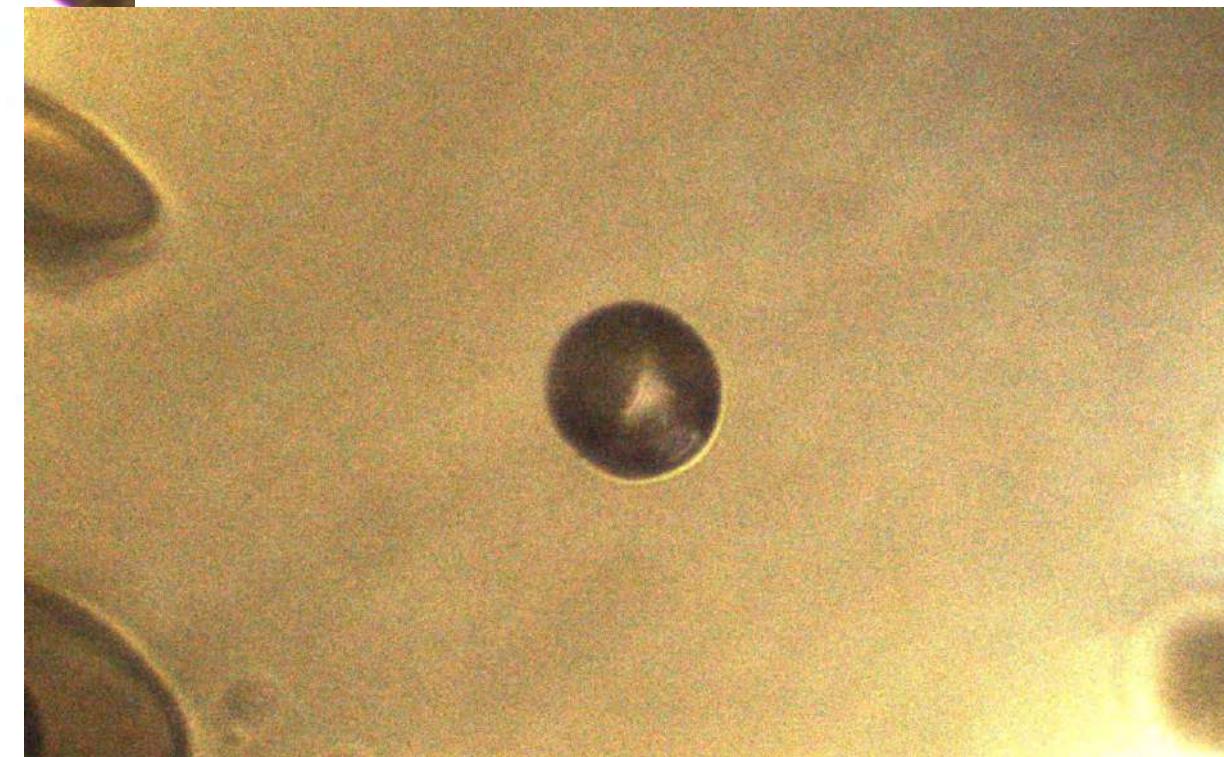
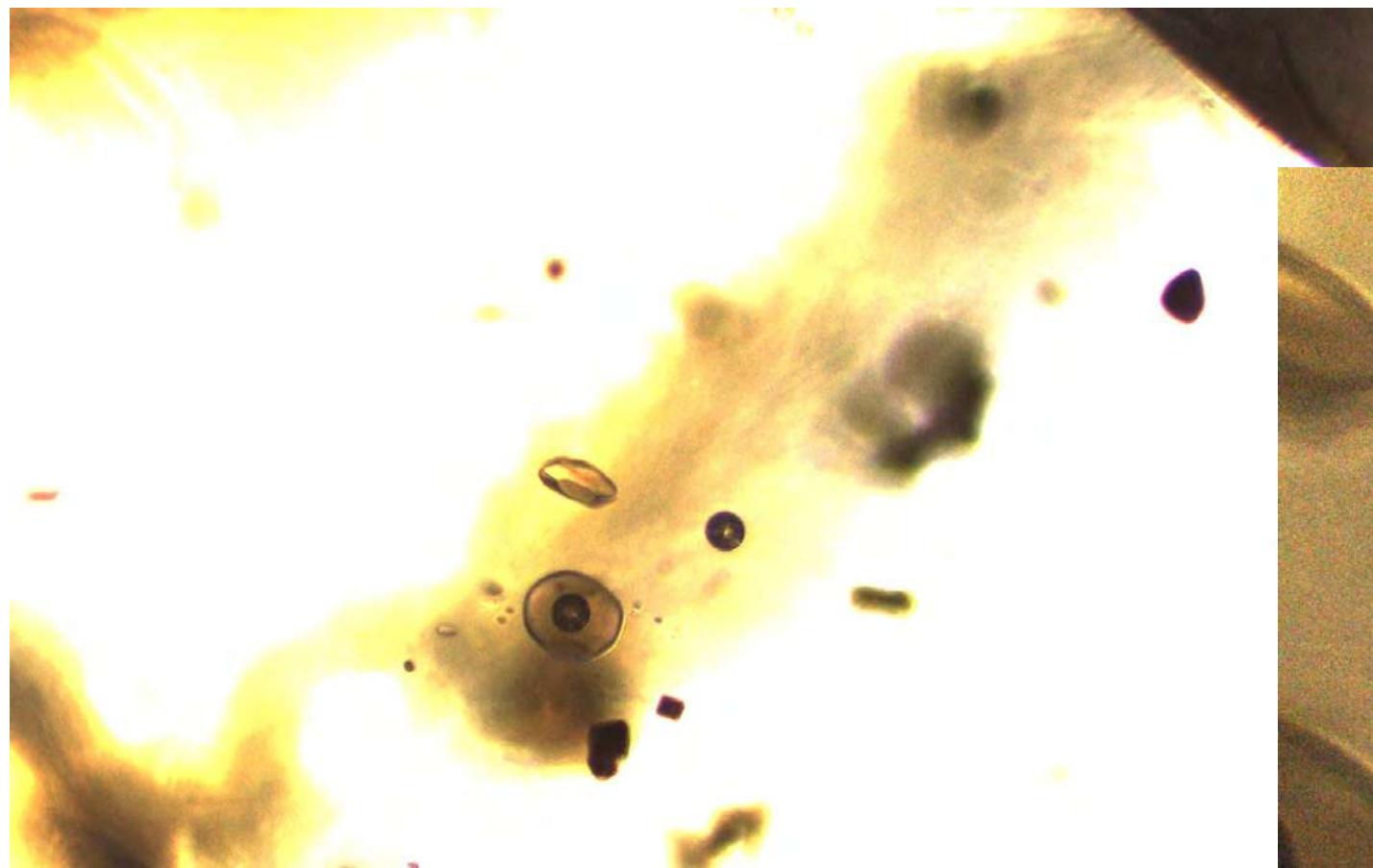


ILB Mauna Loa Fls

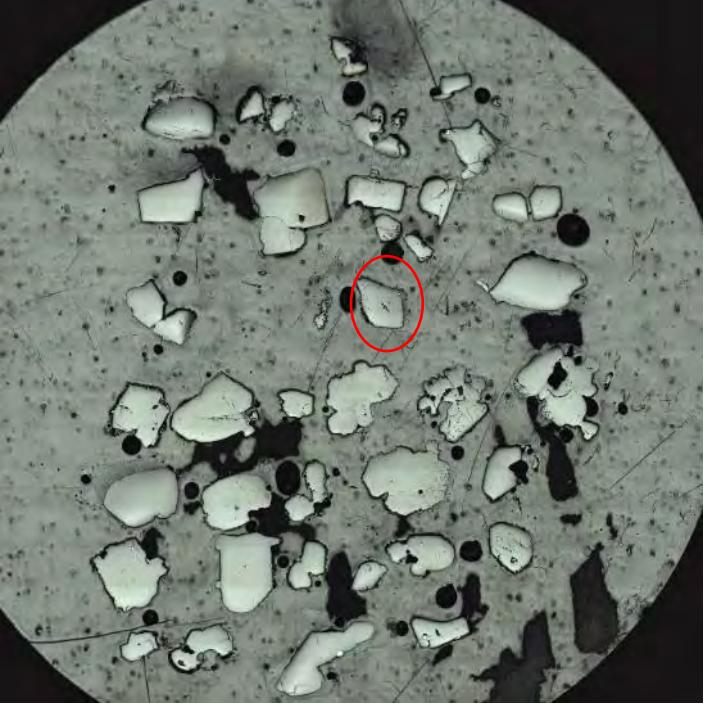


# MP2\_58\_FIA

	Filename	Mag	Width (µm)	Height (µm)
18	39 MP2_58_FIA_100X.txt	100	111.423	69.640



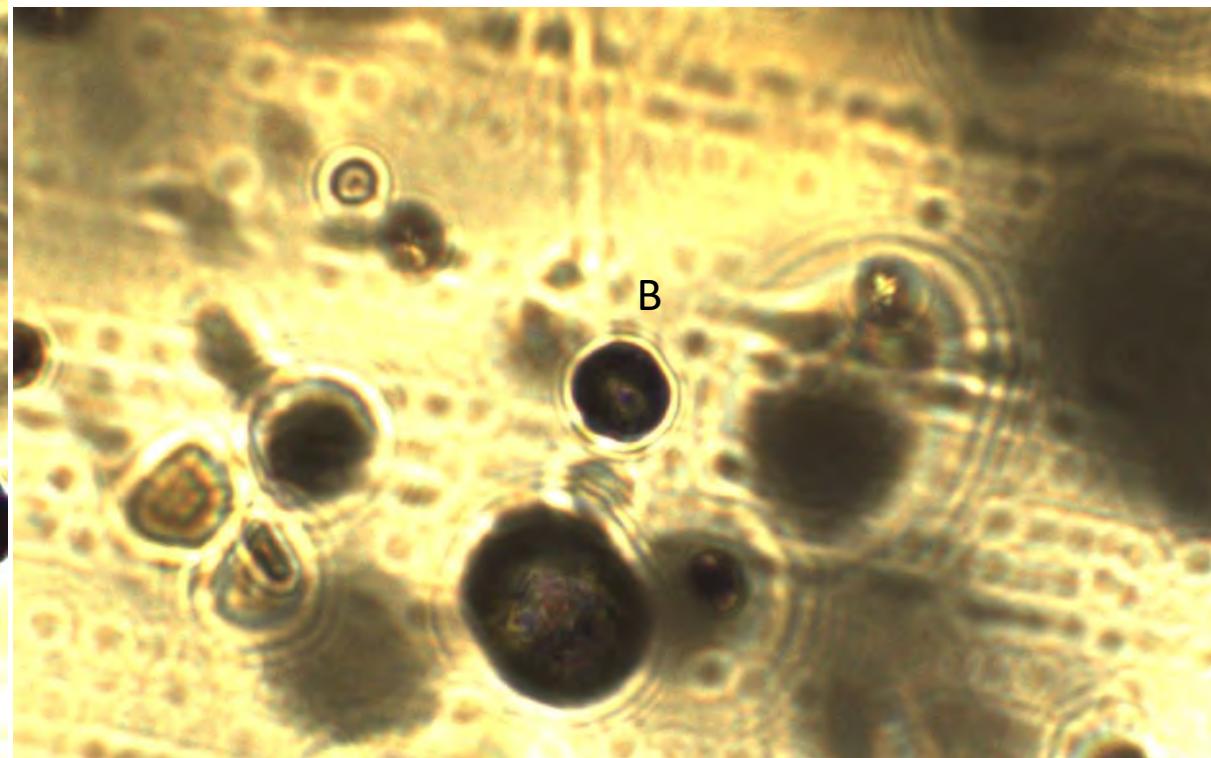
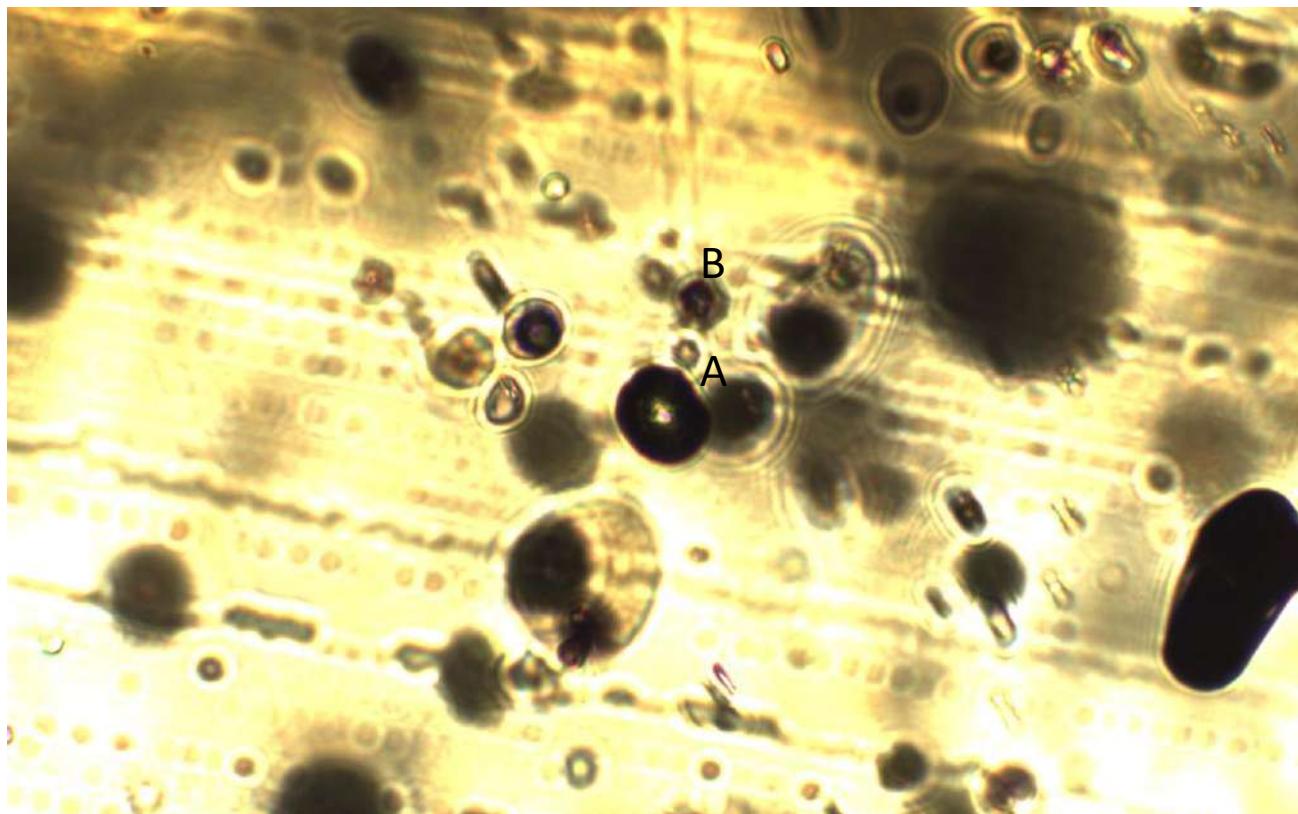
30th Nov 2022



MP2\_60\_FIA=  
Relevant bit of crystal not exposed at surface for EPMA

# MP2\_60\_FIA, MP2\_60\_FIB

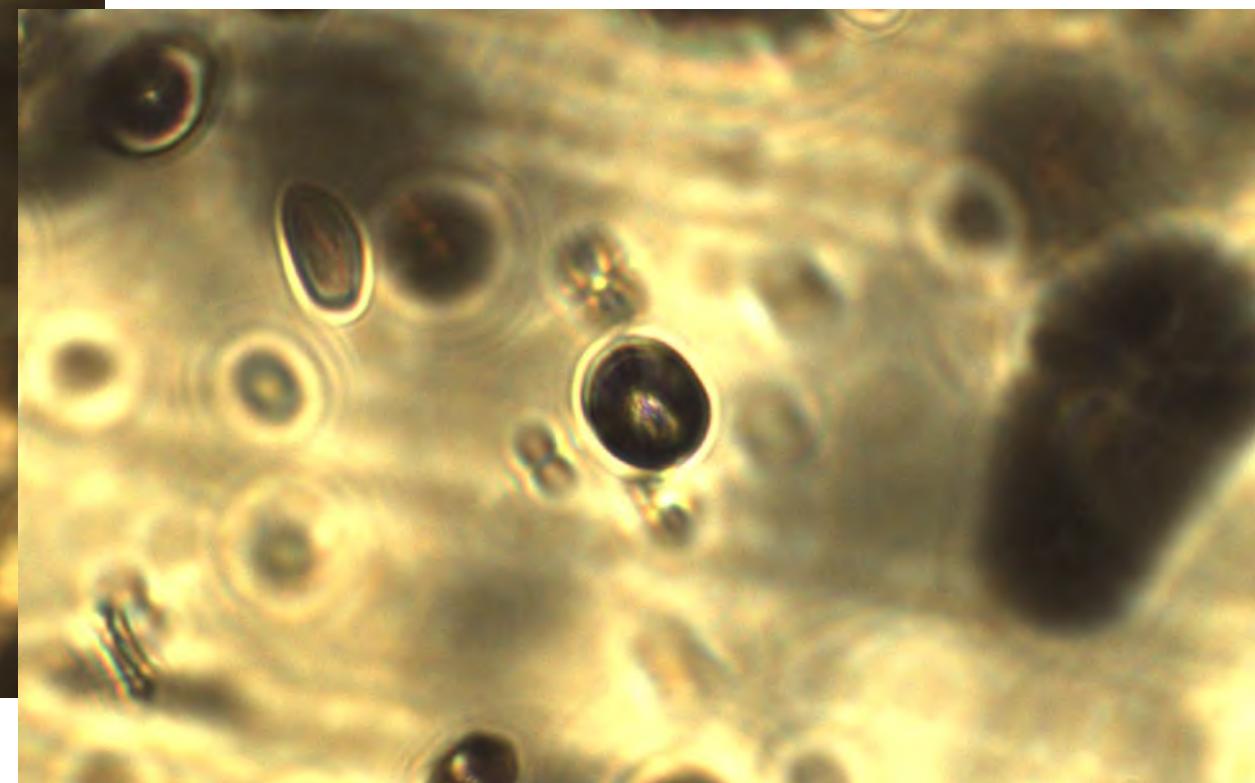
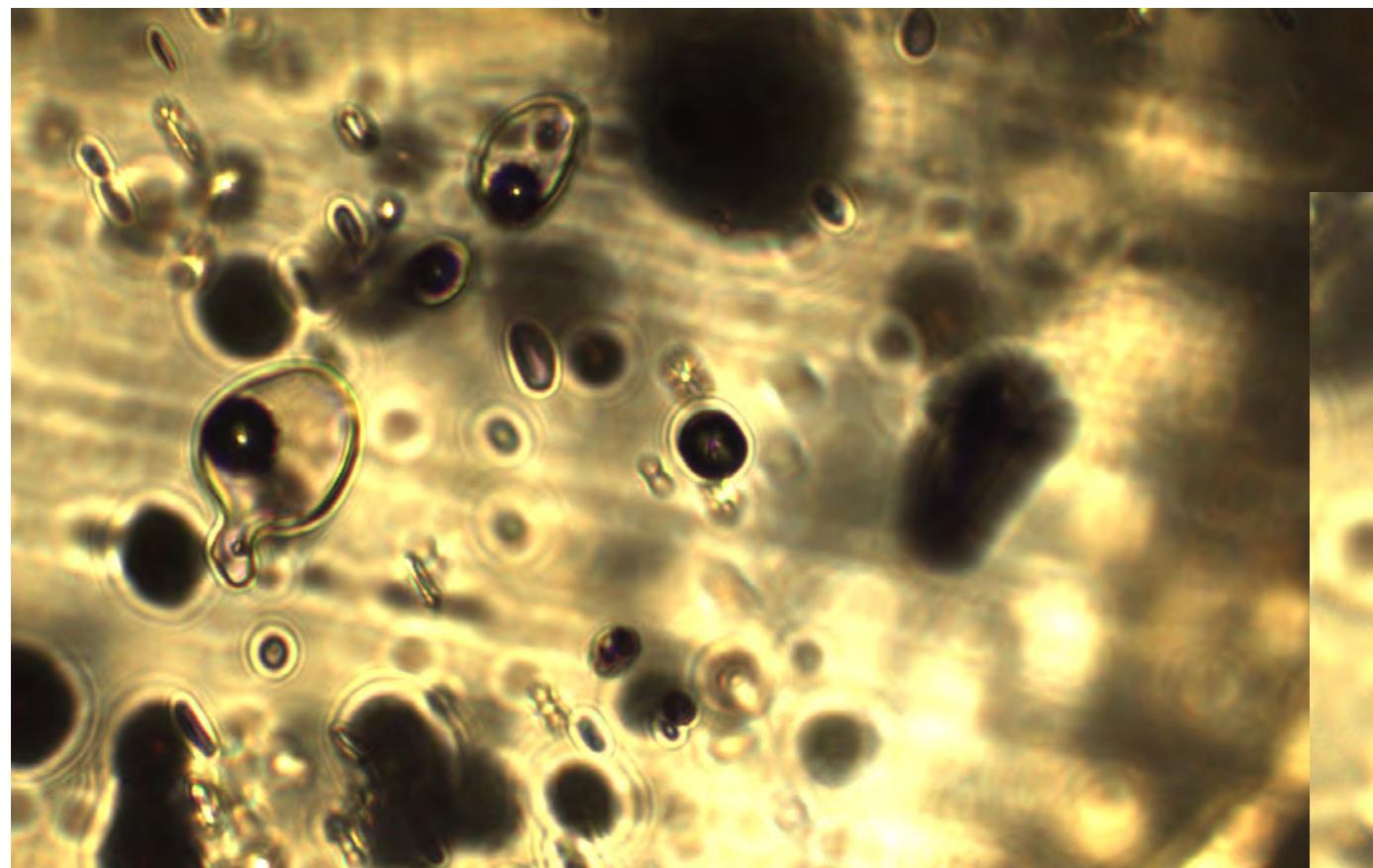
Filename	Mag	Width (µm)	Height (µm)
22 49 MP2_60_FIB_100X.txt	100	111.423	69.640



Filename	Mag	Width (µm)	Height (µm)
21 48 MP2_60_FIA_50X.txt	50	223.221	139.513

30th Nov 2022

# MP2\_60\_FIF

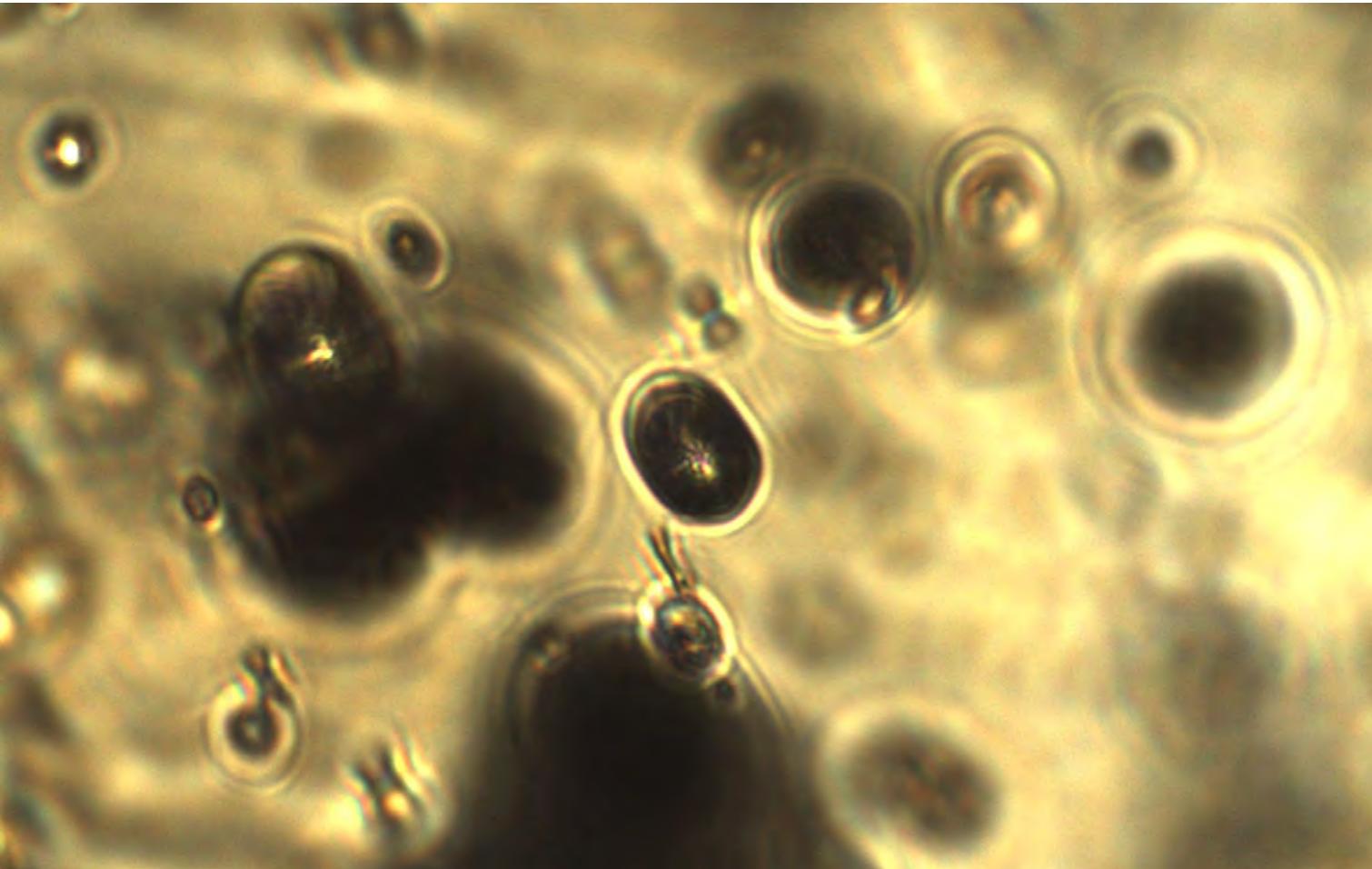


	Filename	Mag	Width (µm)	Height (µm)
24	53 MP2_60_FIF_50X.txt	50	223.221	139.513

30th Nov 2022

# MP2\_60 FIG

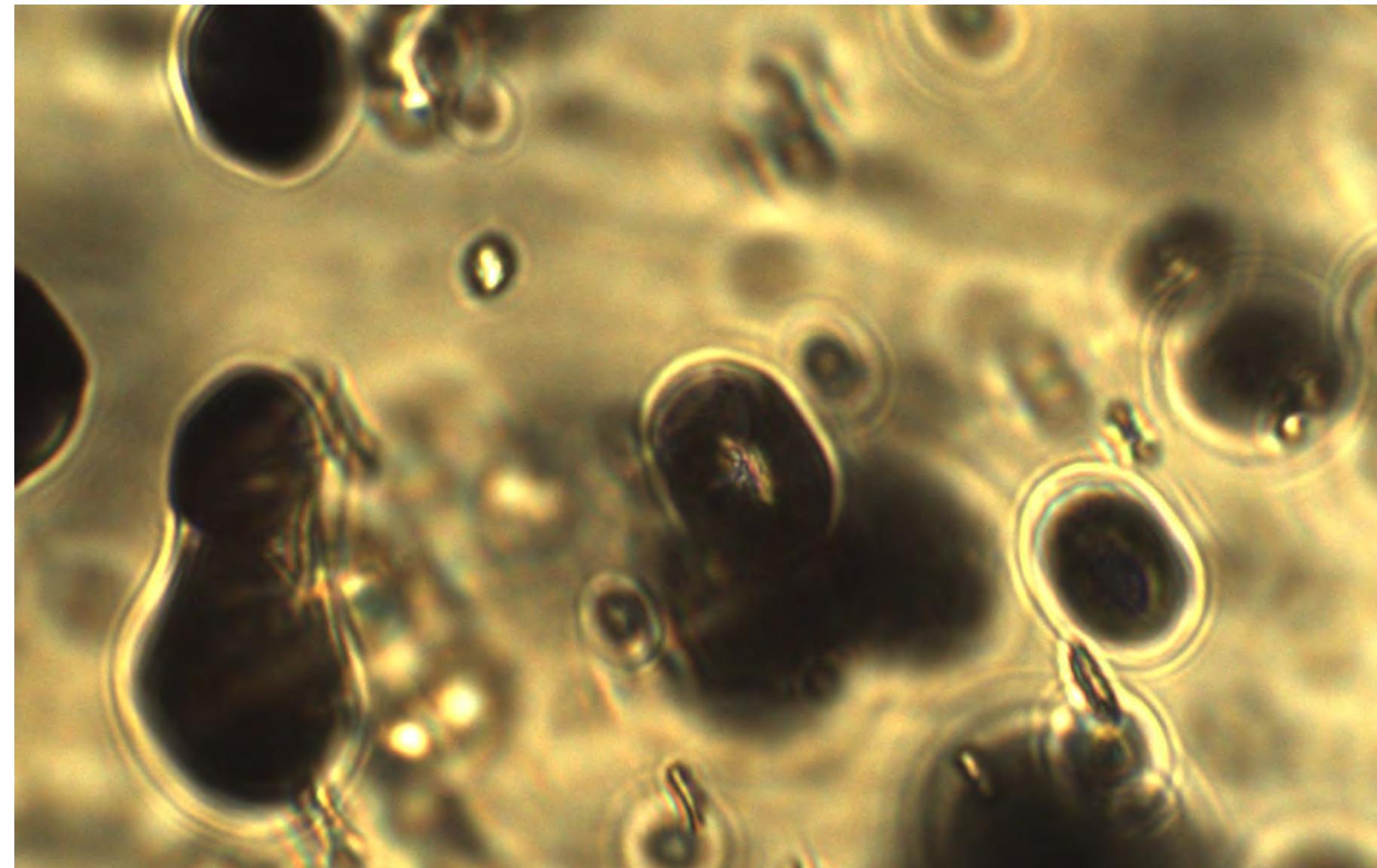
	Filename	Mag	Width (µm)	Height (µm)
26	58 MP2_60 FIG_100X.txt	100	111.423	69.640



30th Nov 2022

MP2\_60\_FIH

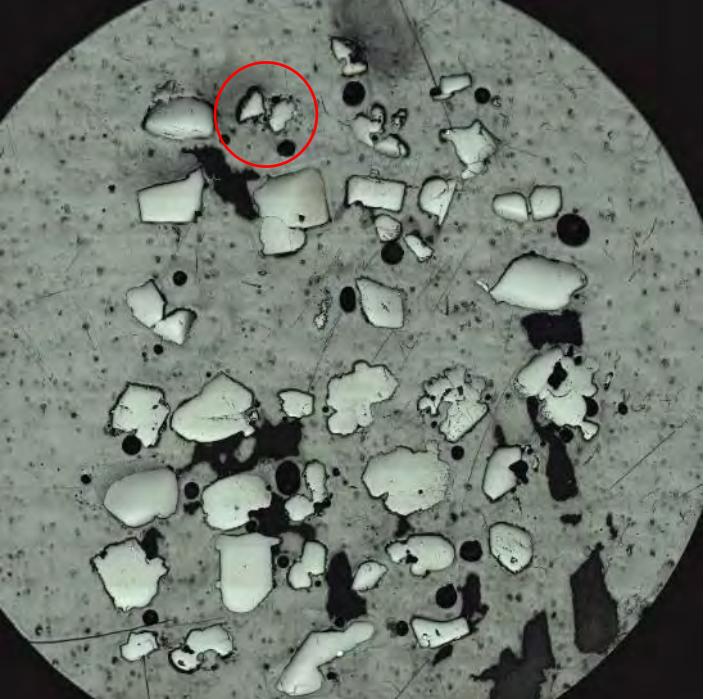
	Filename	Mag	Width (µm)	Height (µm)
27	59 MP2_60_FIH_100X.txt	100	111.423	69.640



30th Nov 2022

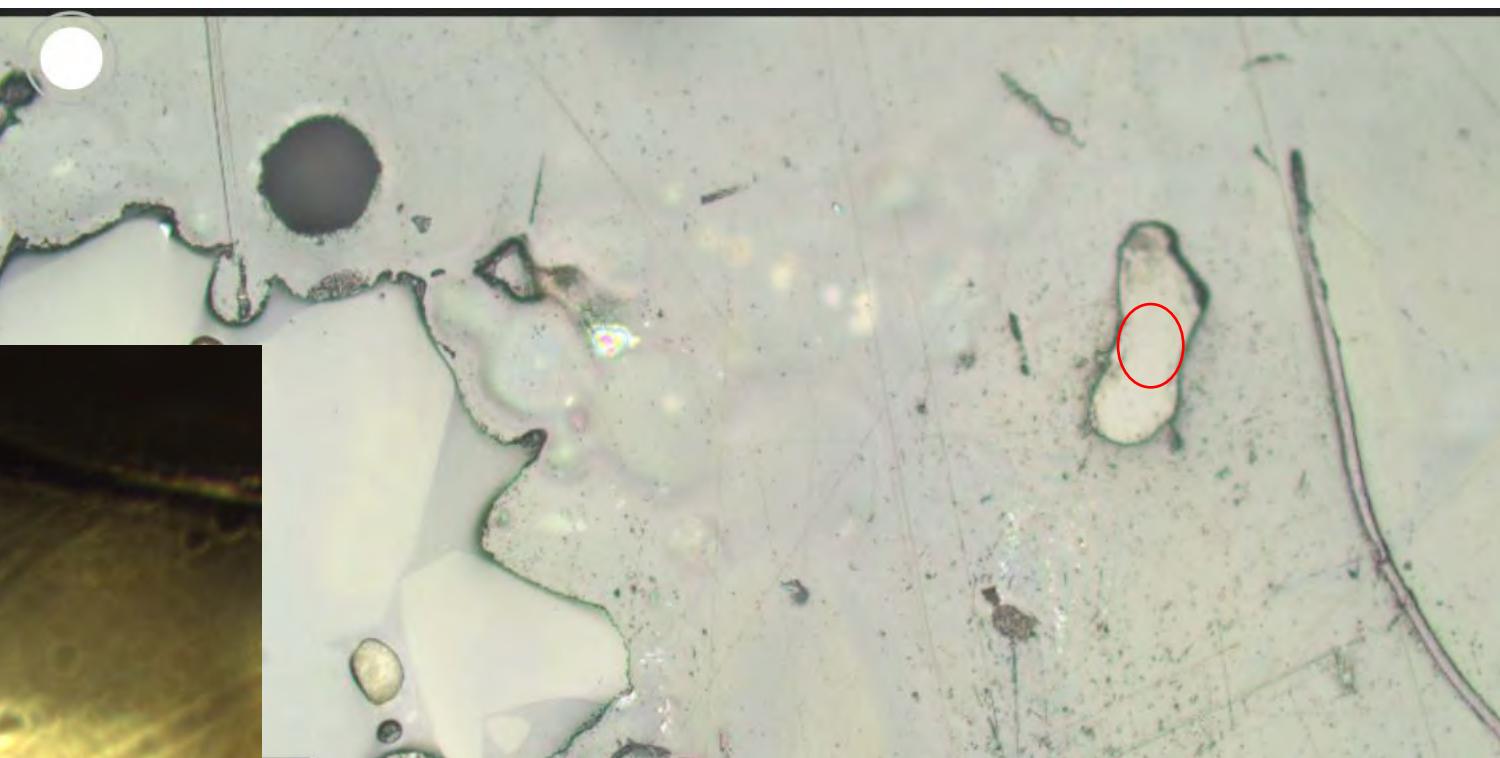
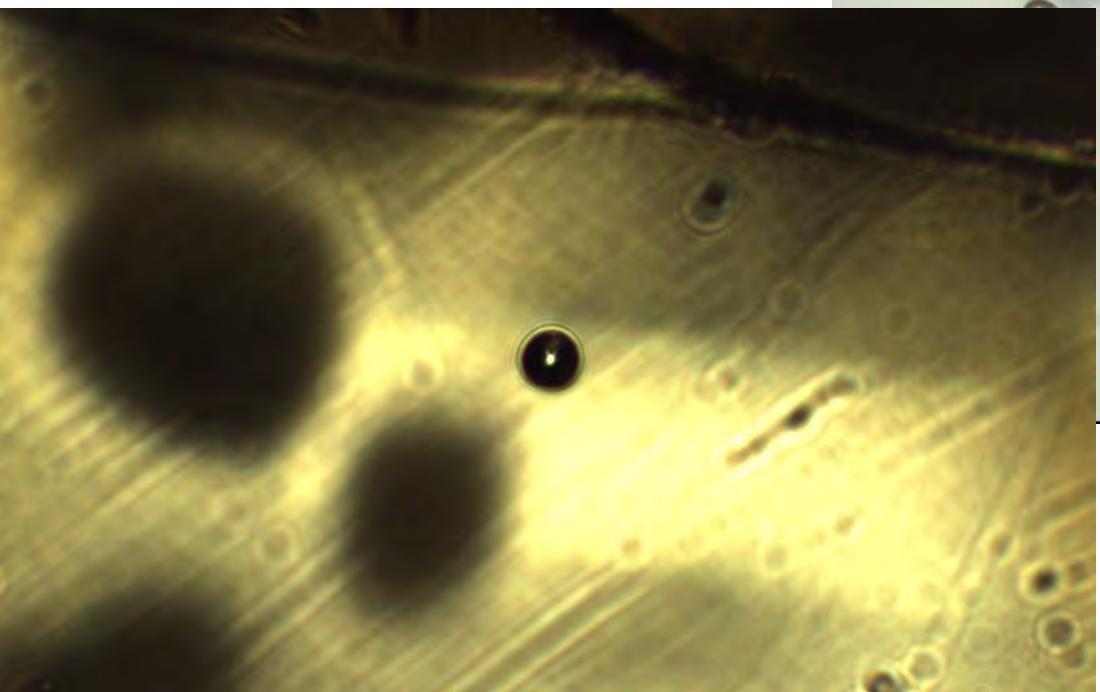
# Folder: 09\_05\_2023\_MaunaLoa\_new

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,



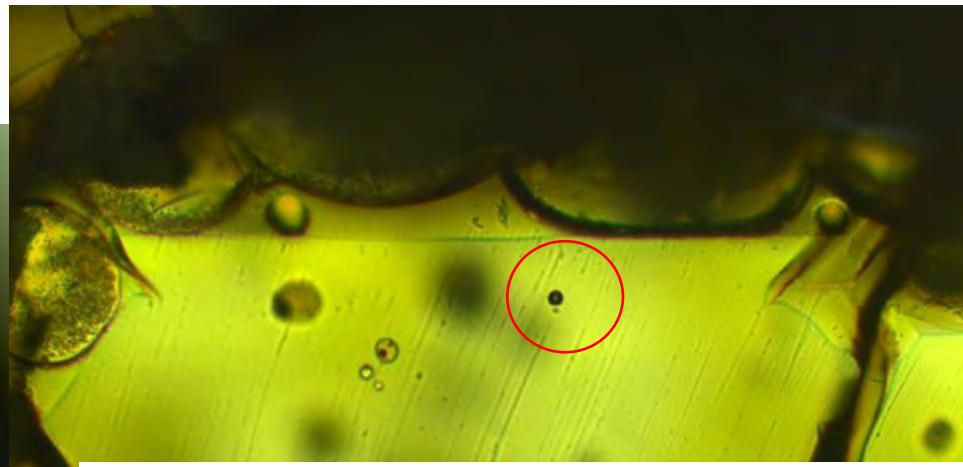
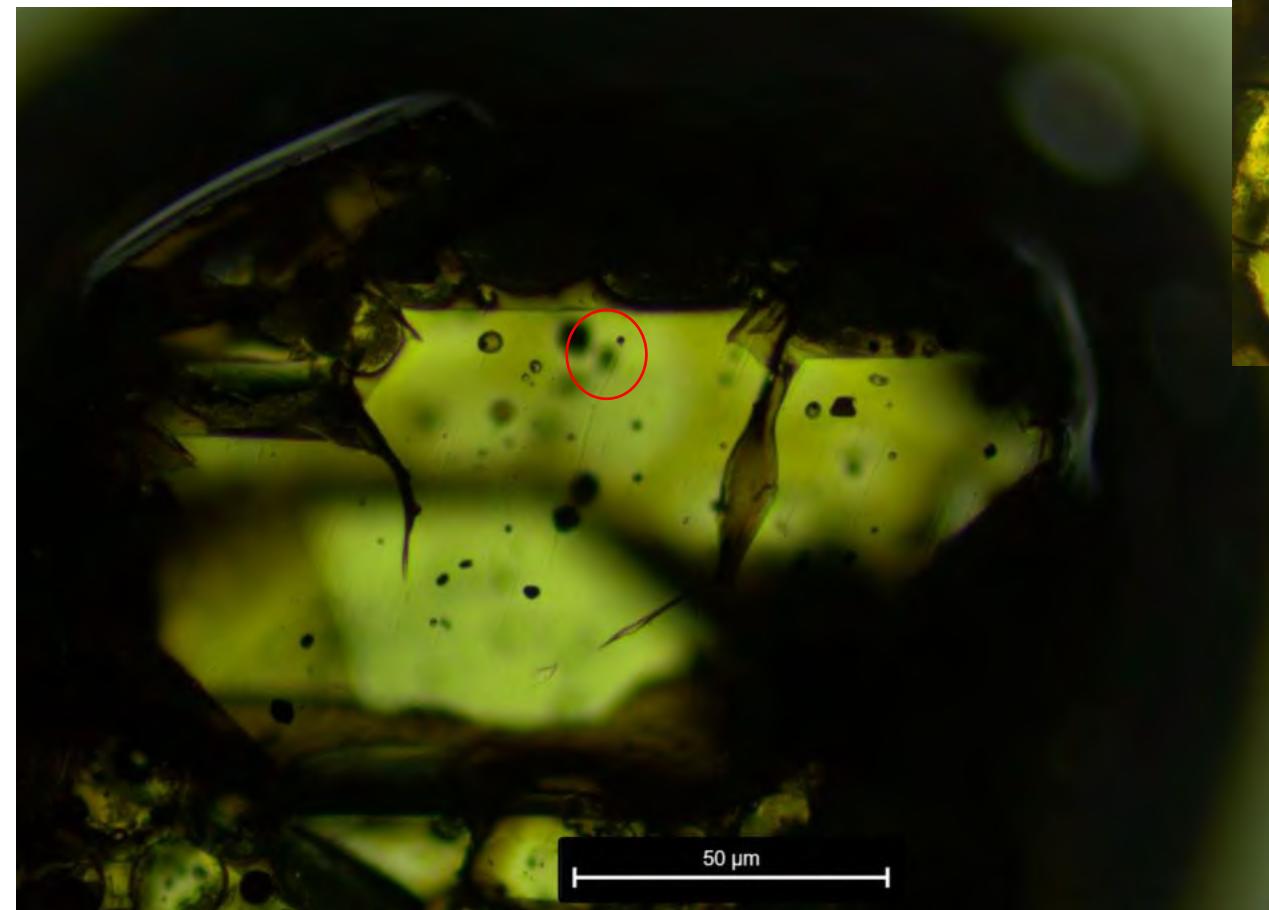
Name: MP2\_100\_FIA

PW –FI fragment of xstal broke, not at surface. This chip is the right of the big buried crystal, use for Fo if other olivines seem homogenous in the core.

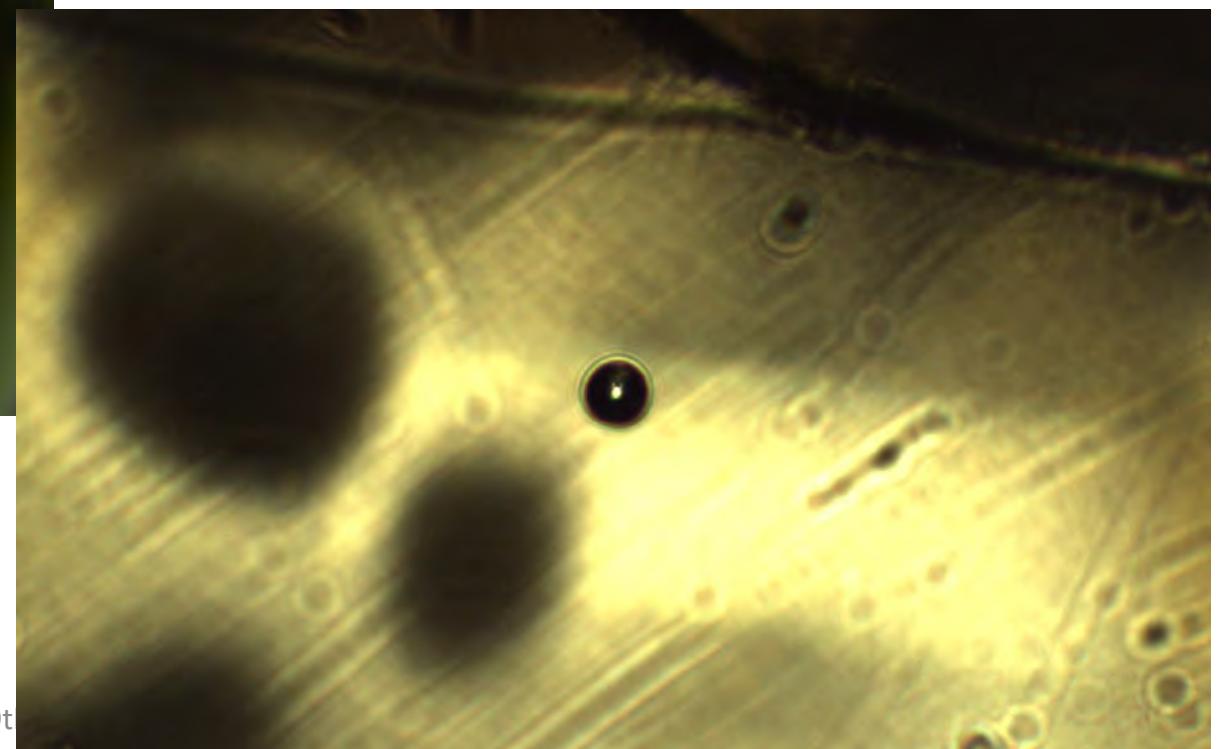


MLB Mauna Loa Fls

MP2\_100\_FIA



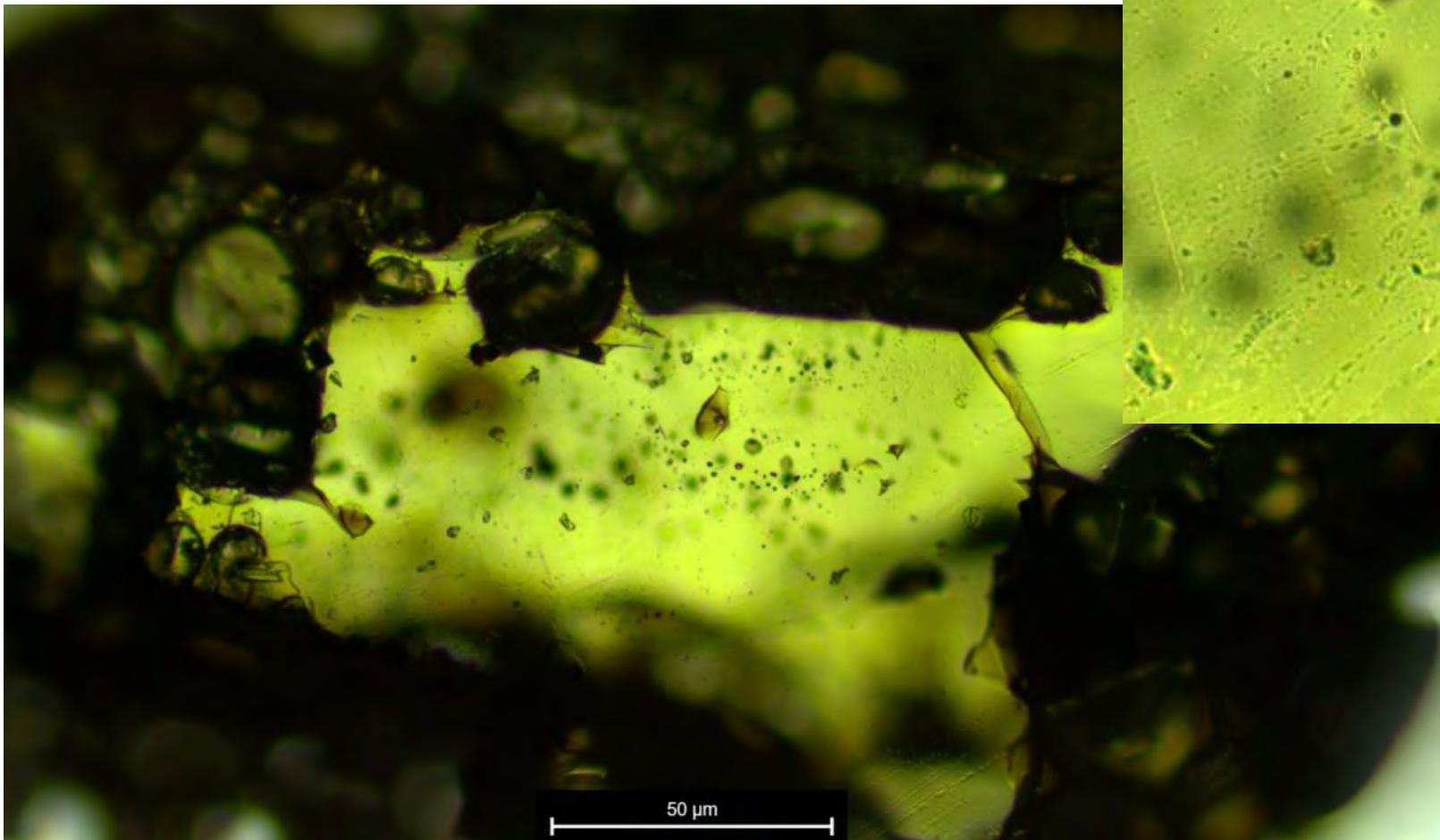
	Filename	Mag	Width (μm)	Height (μm)
0	02 MP2_100_50X.txt	50	223.221	139.513



May9t

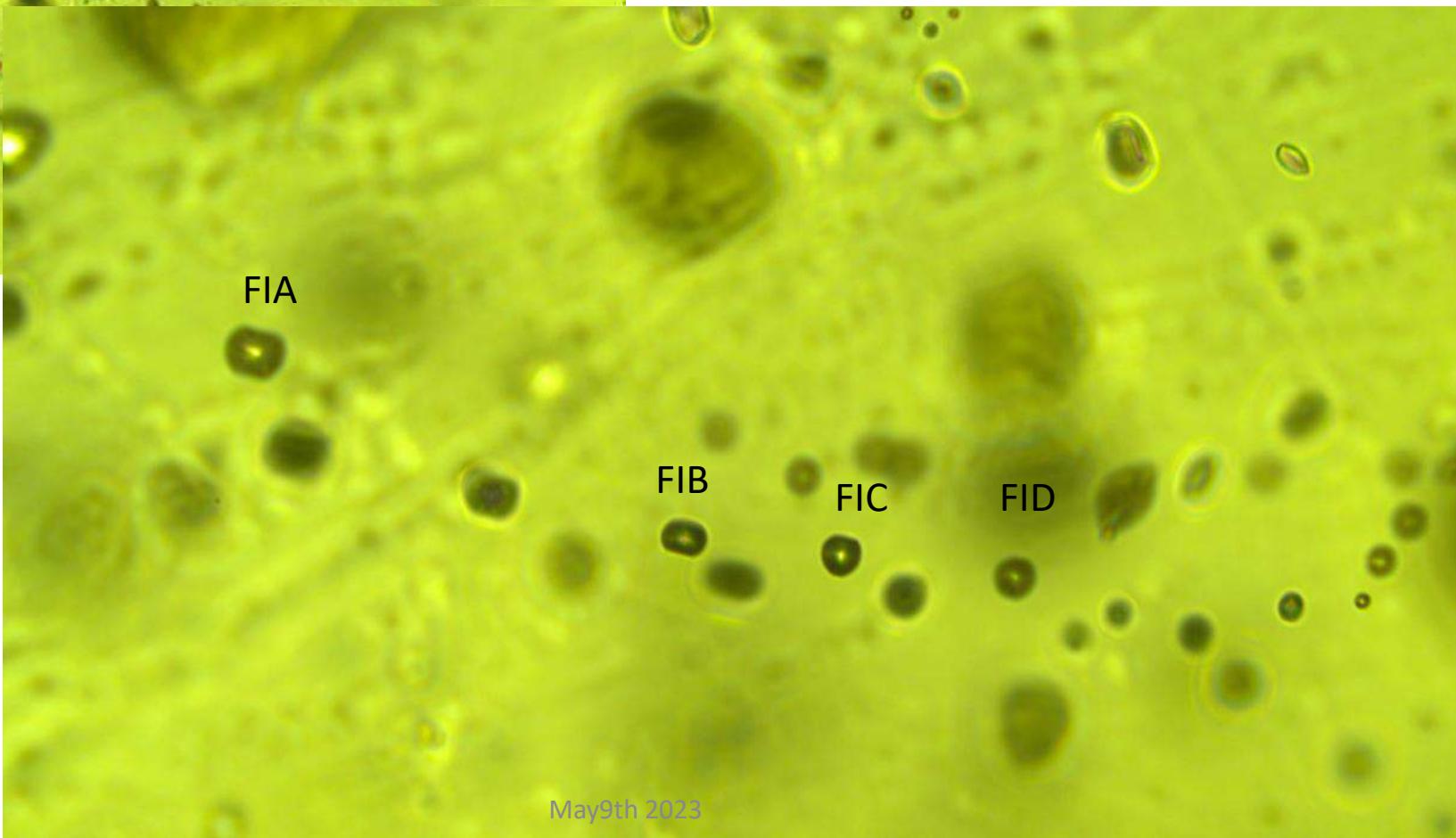
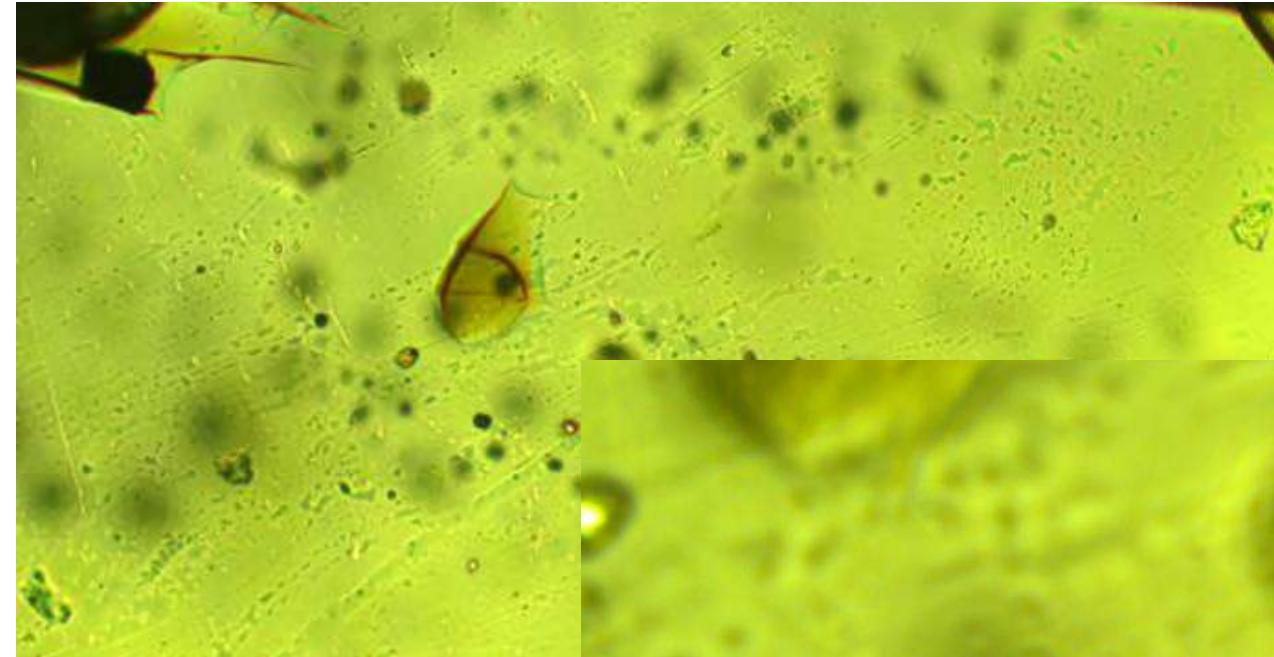
MP2\_102\_area1

NO EPMA – part of round robin



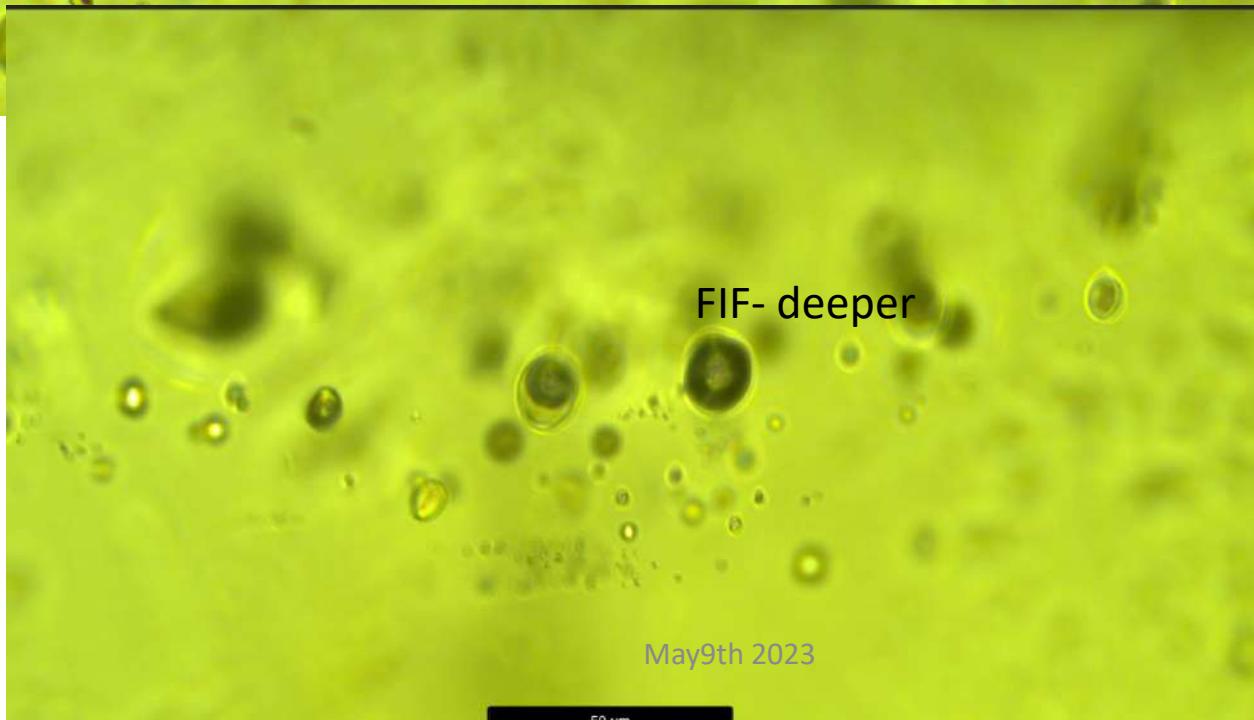
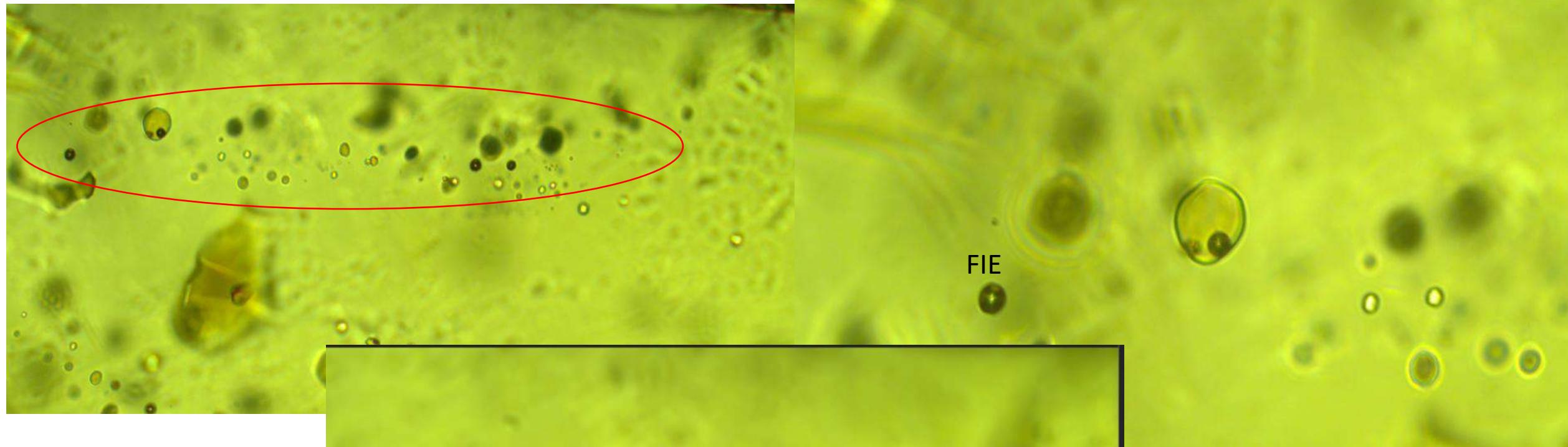
May9th 2023

MP2\_102\_area1



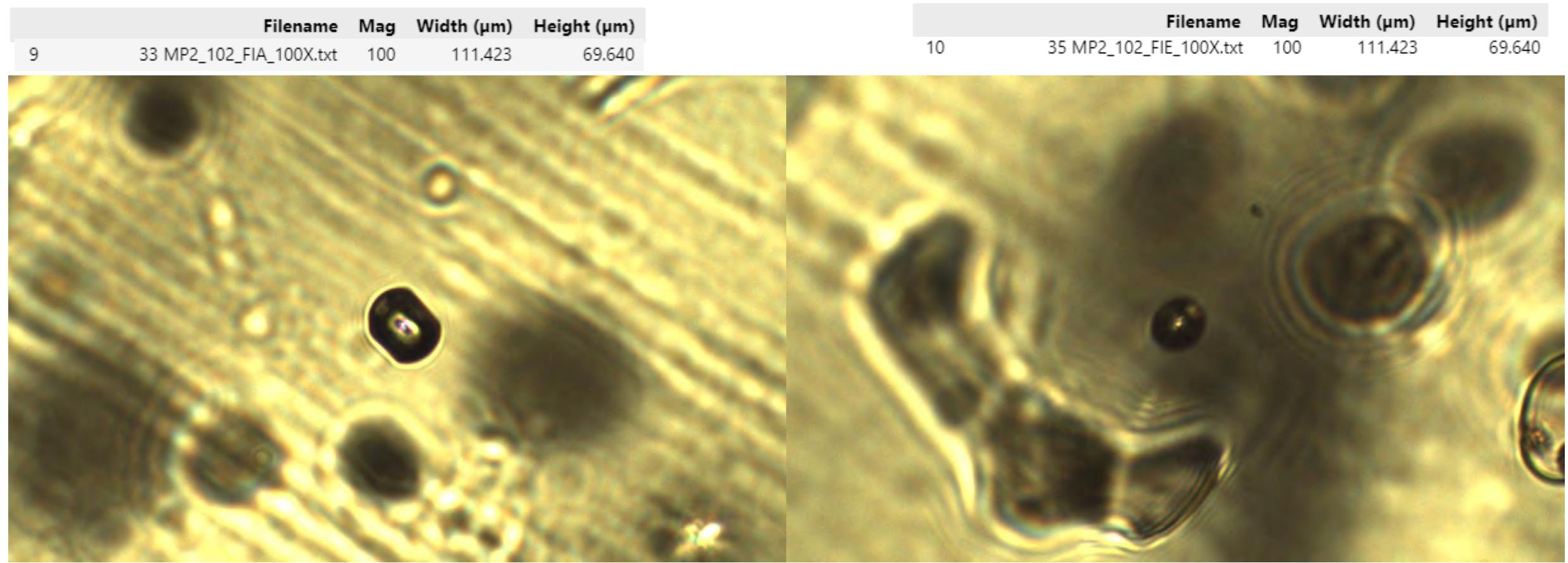
May9th 2023

MP2\_102\_area2 – all part of same growth zone

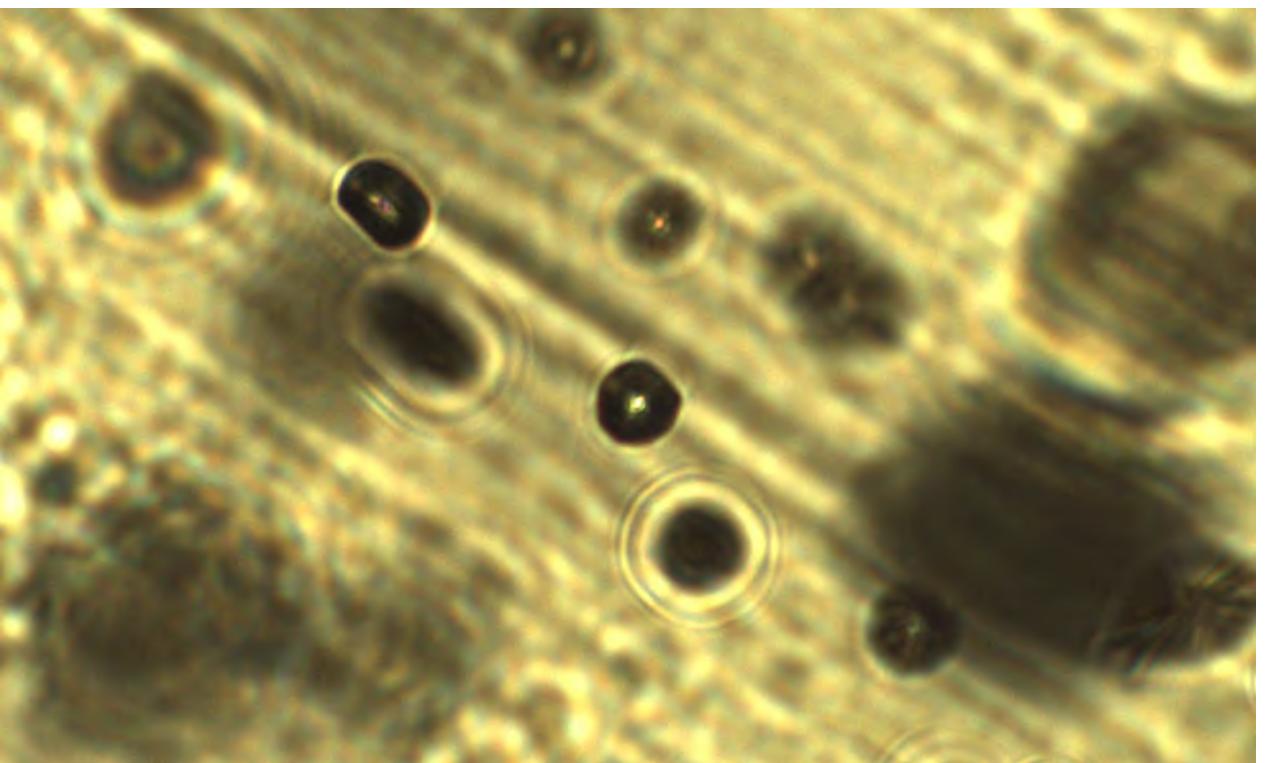
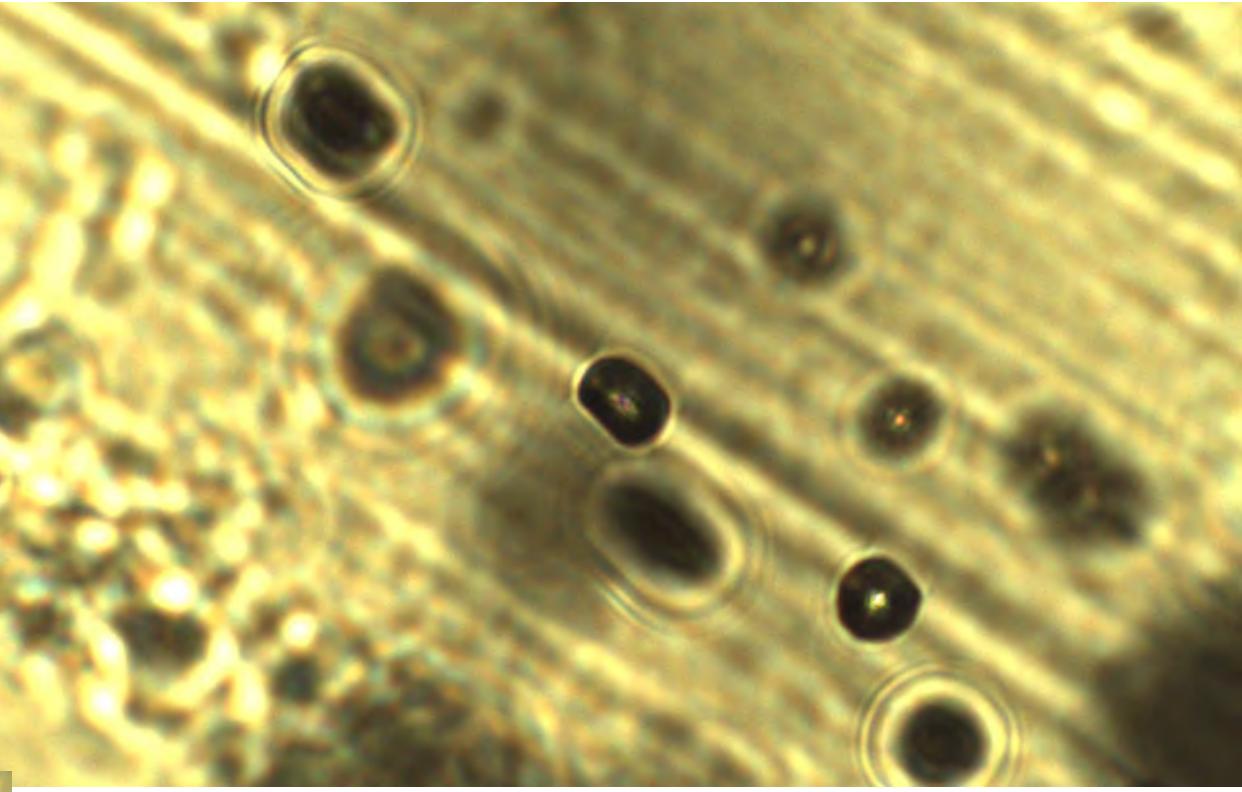
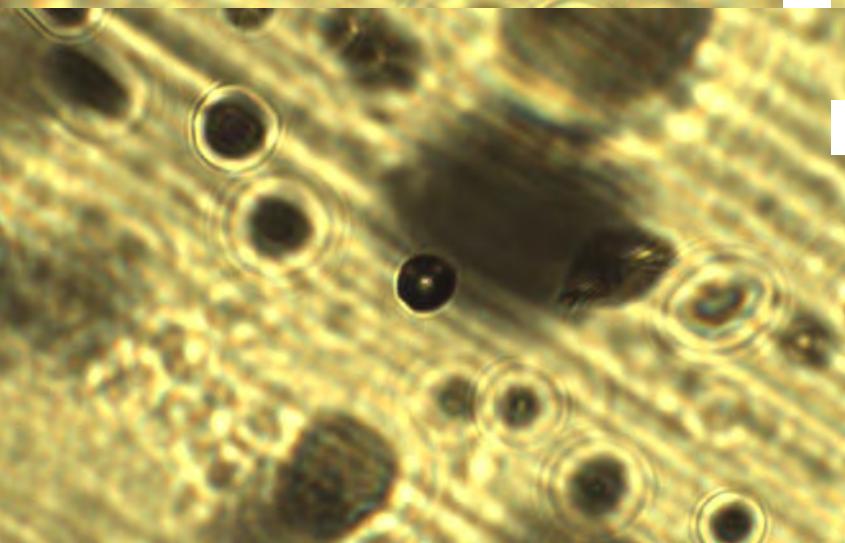
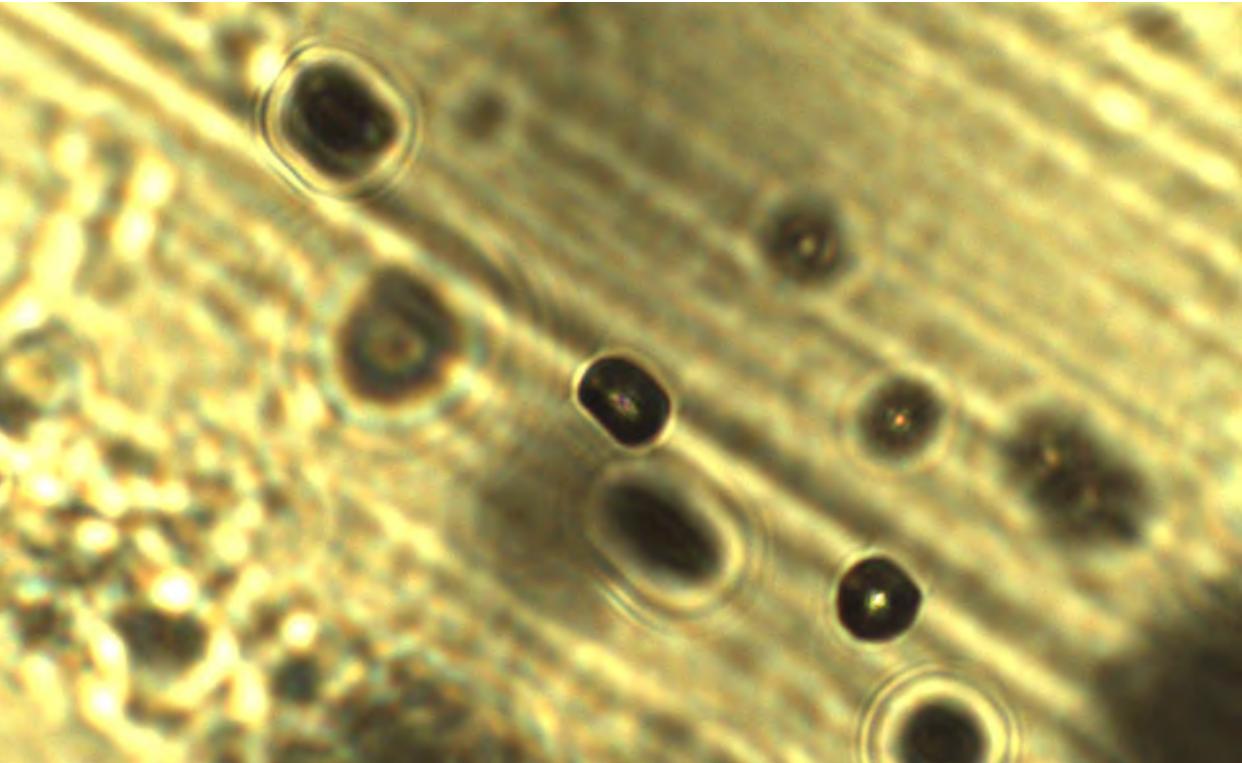
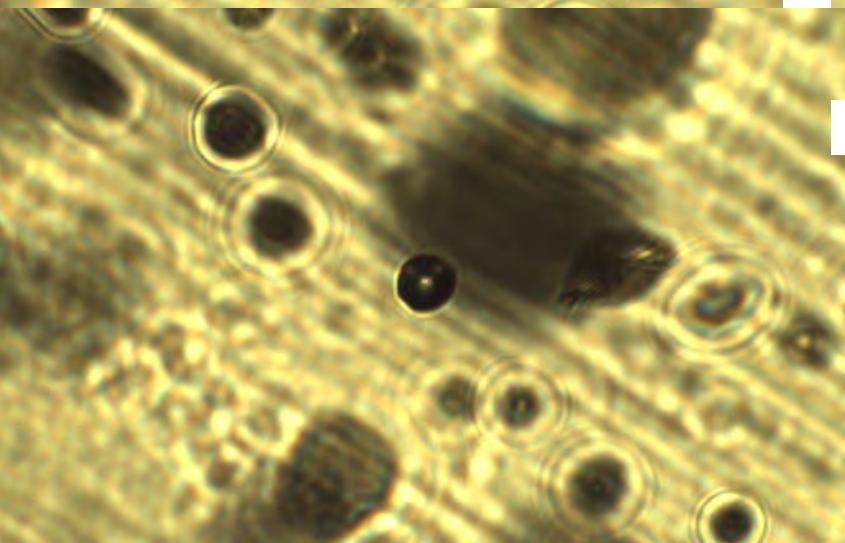


May9th 2023

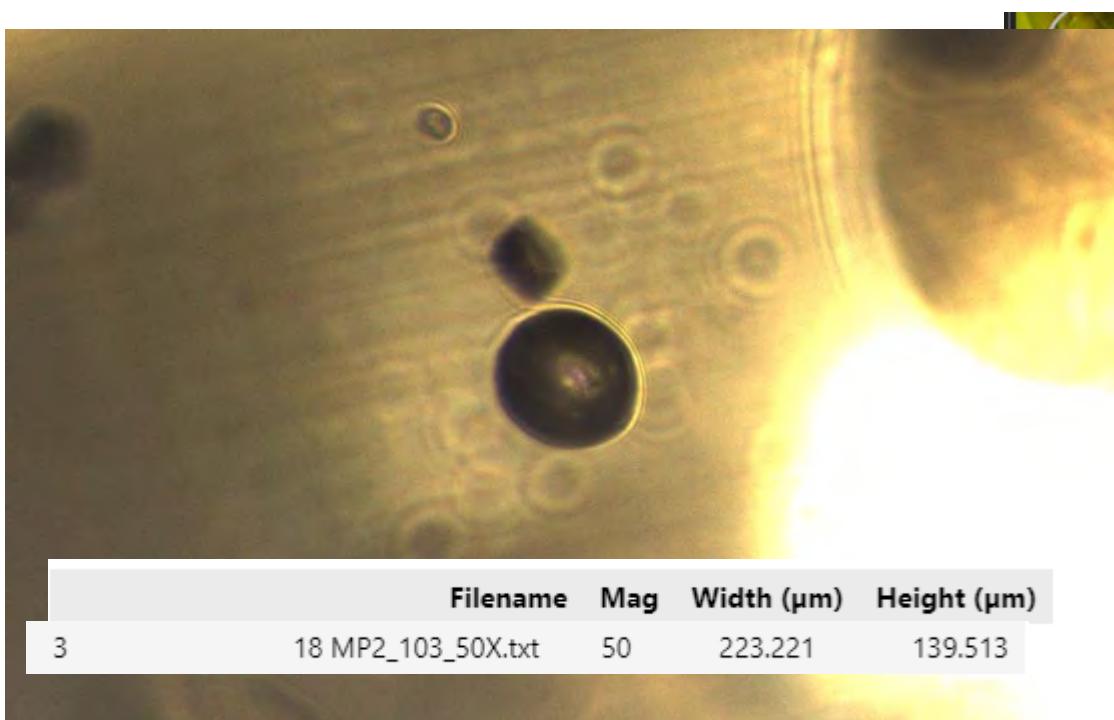
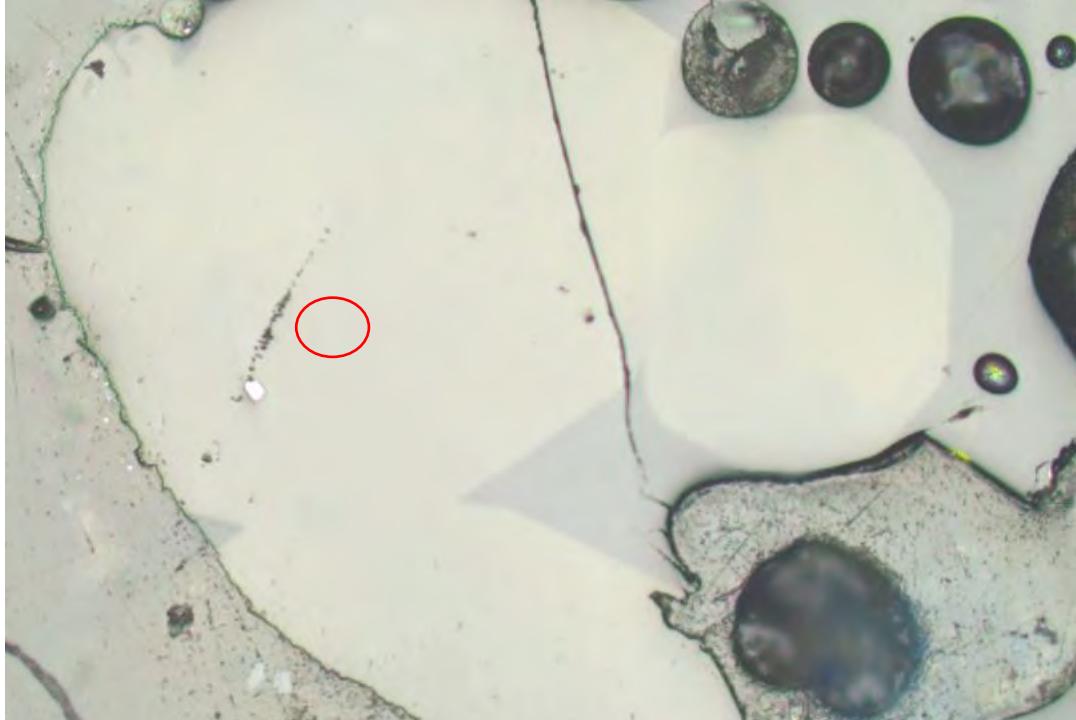
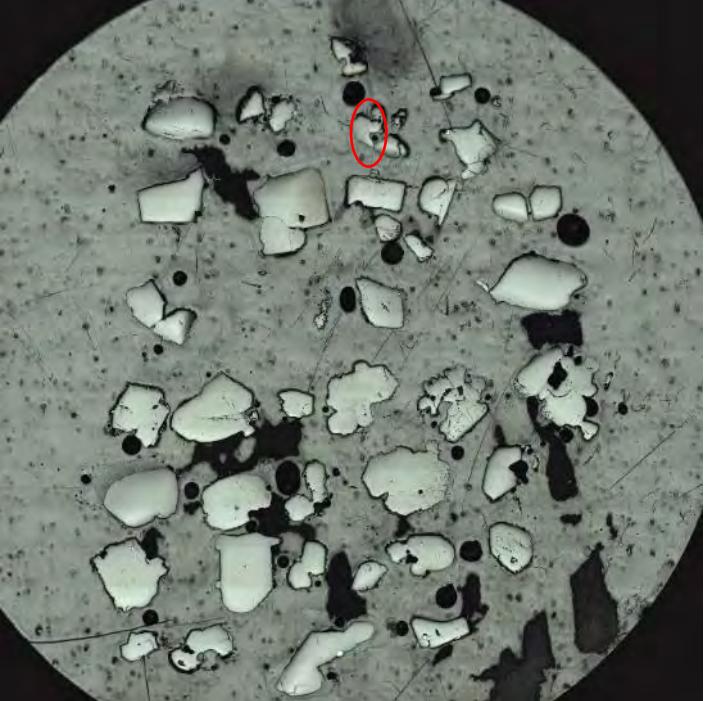
	Filename	Mag	Width (µm)	Height (µm)		Filename	Mag	Width (µm)	Height (µm)
9	33 MP2_102_FIA_100X.txt	100	111.423	69.640	10	35 MP2_102_FIE_100X.txt	100	111.423	69.640



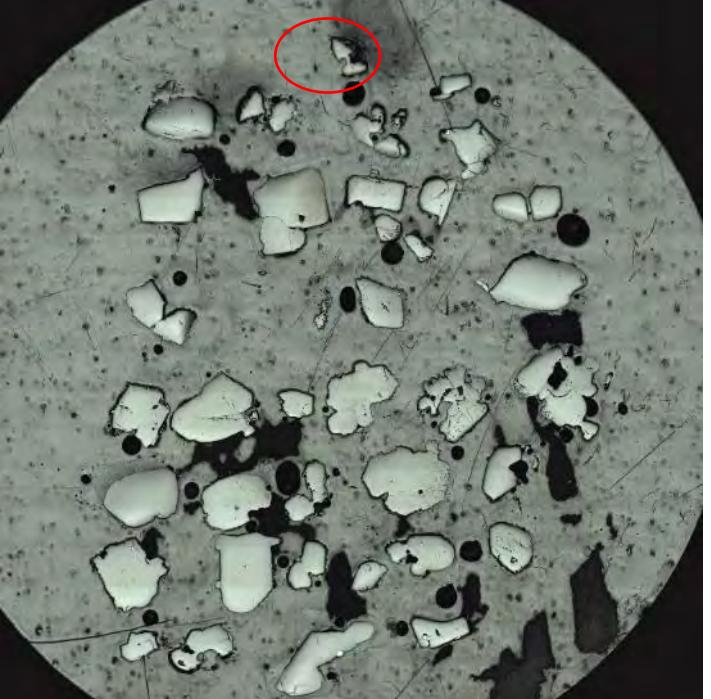
May9th 2023

	Filename	Mag	Width (µm)	Height (µm)
8	30 MP2_102_FIC_100X.txt	100	111.423	69.640
				
				
				
	Filename	Mag	Width (µm)	Height (µm)
7	28 MP2_102_FIB_100X.txt	100	111.423	69.640
				
6	23 MP2_102_FID_100X.txt	100	111.423	69.640
				

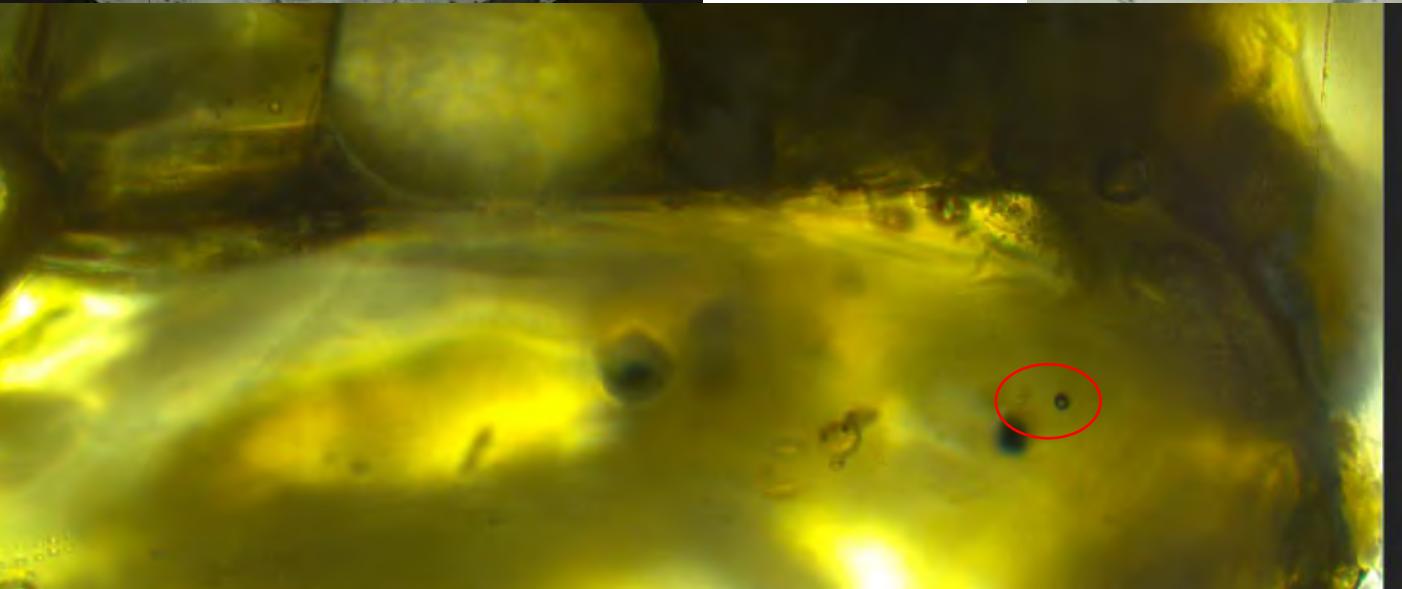
MP2\_103\_FIA



Filename	Mag	Width (µm)	Height (µm)
18 MP2_103_50X.txt	50	223.221	139.513



MP2\_104\_FIA

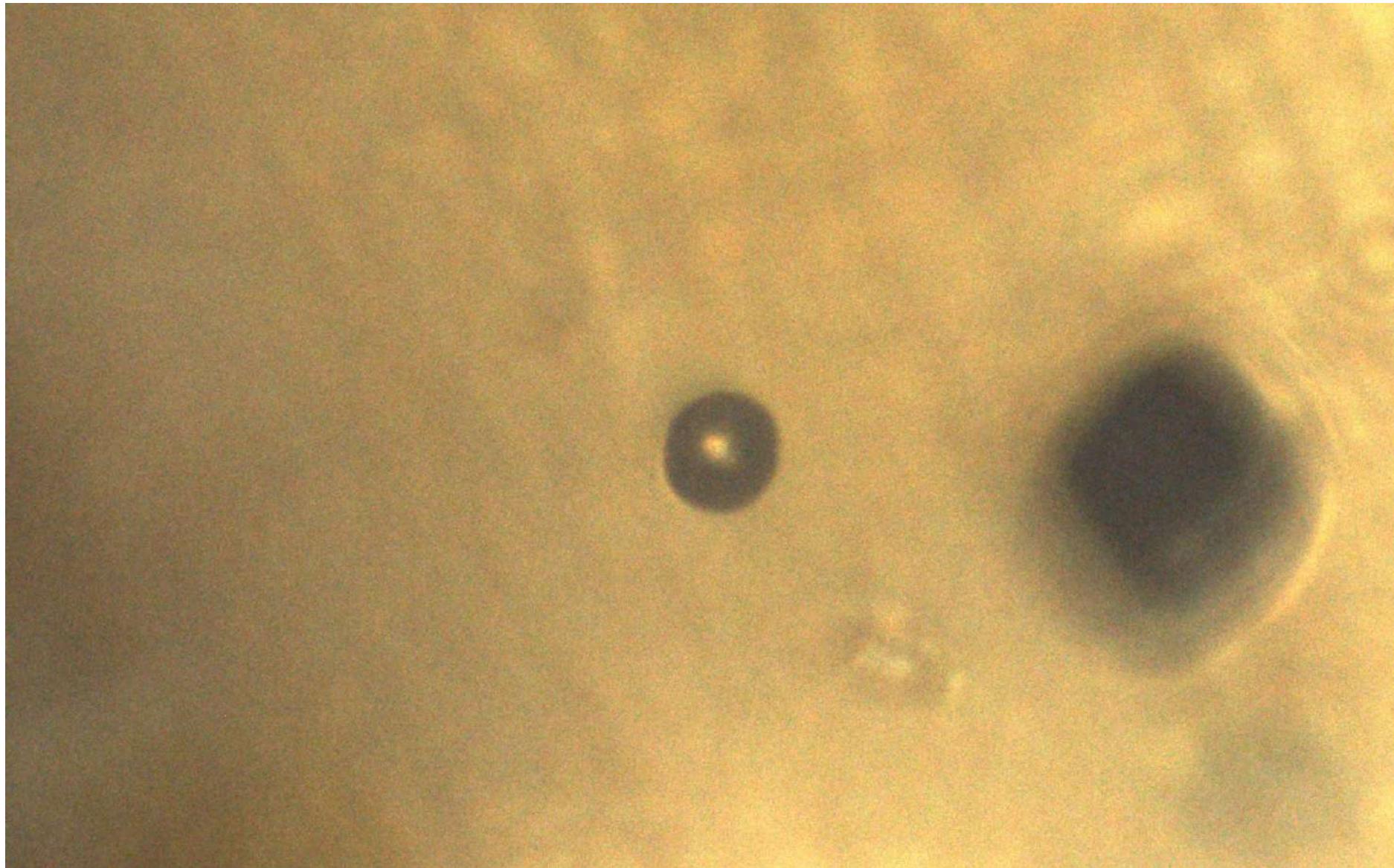


MLB Mauna Loa Fls

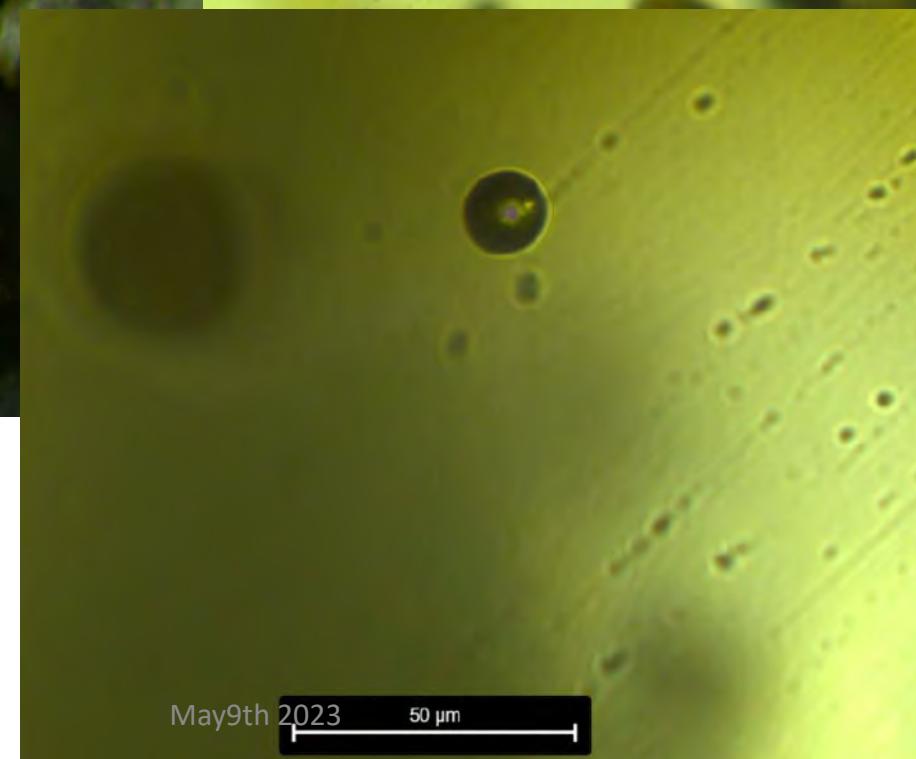
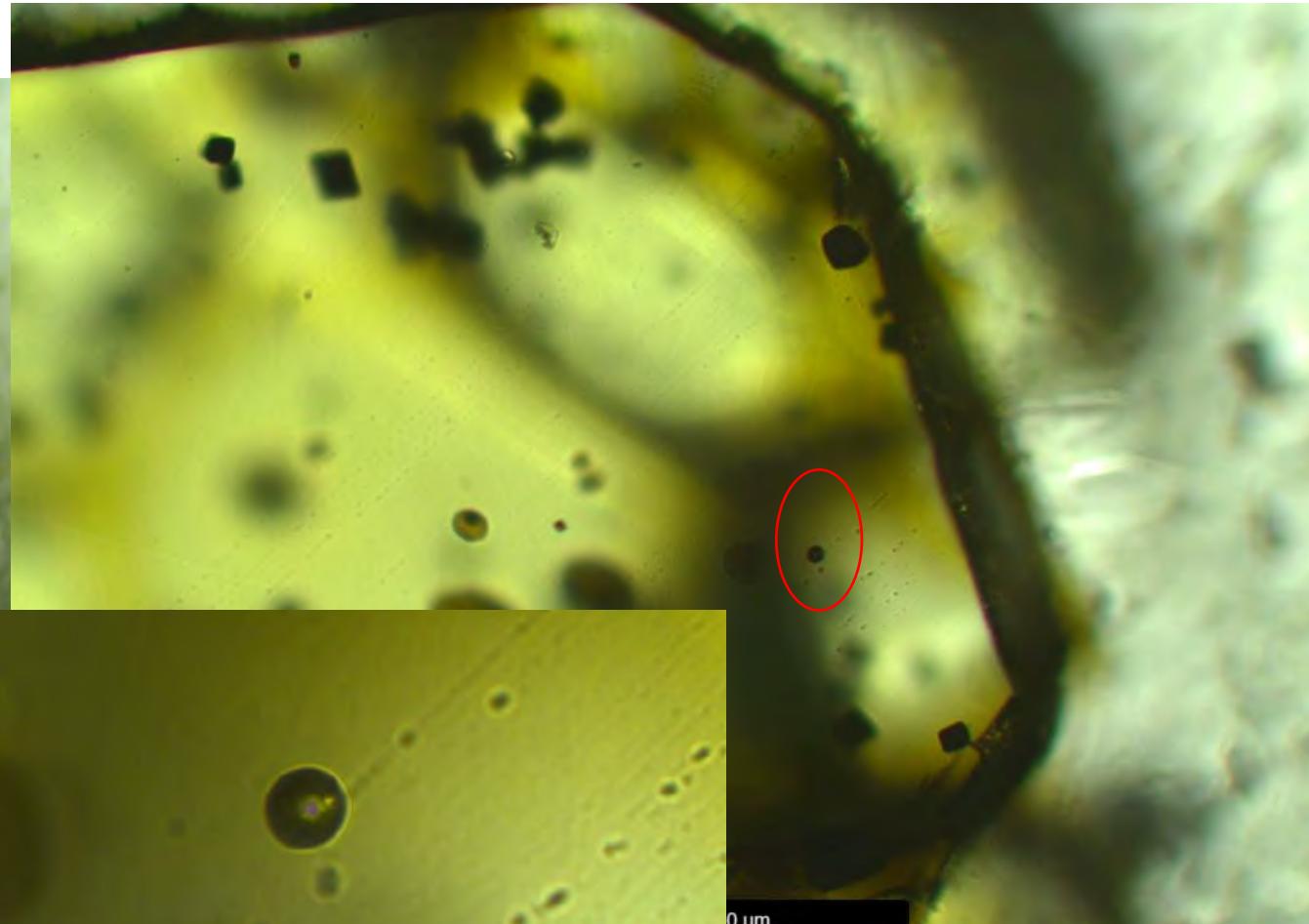
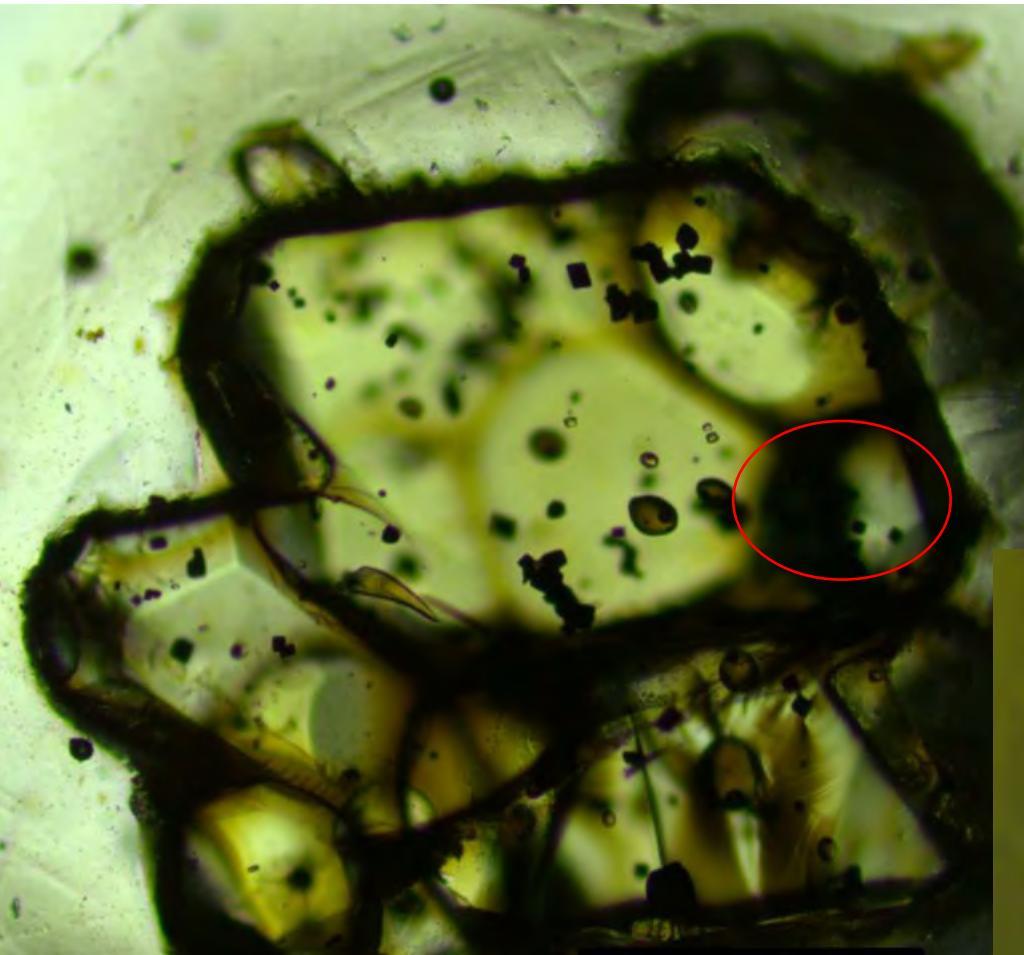


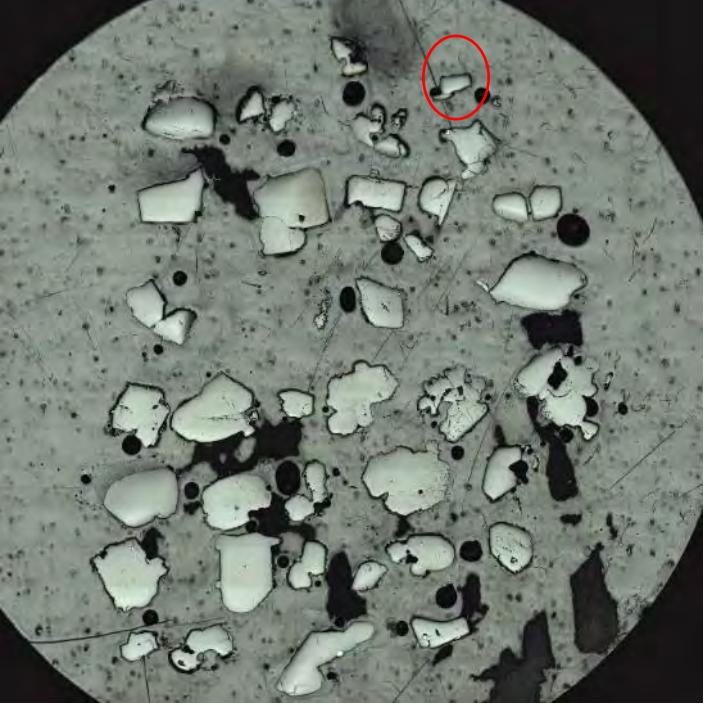
# MP2\_104\_FIA

	Filename	Mag	Width (µm)	Height (µm)
2	13 MP2_104_100X.txt	100	111.423	69.640

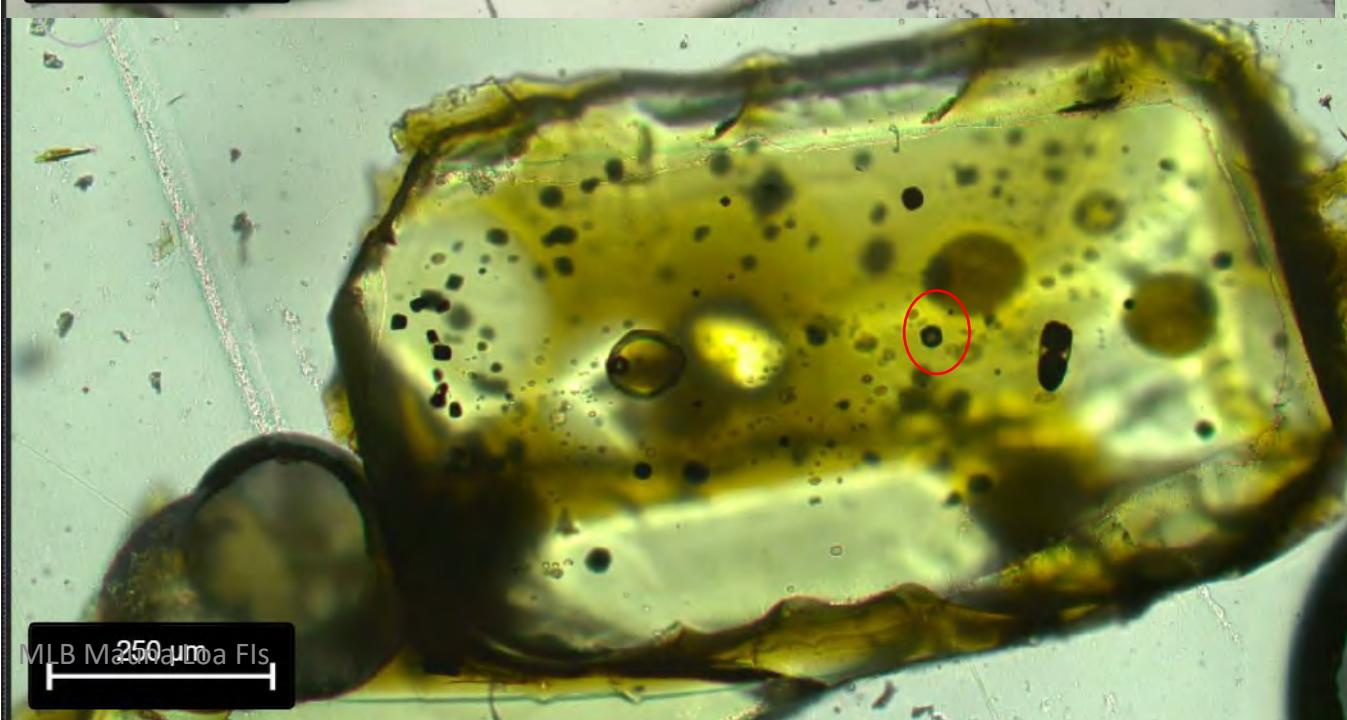


MP2\_105 – NO EPMA

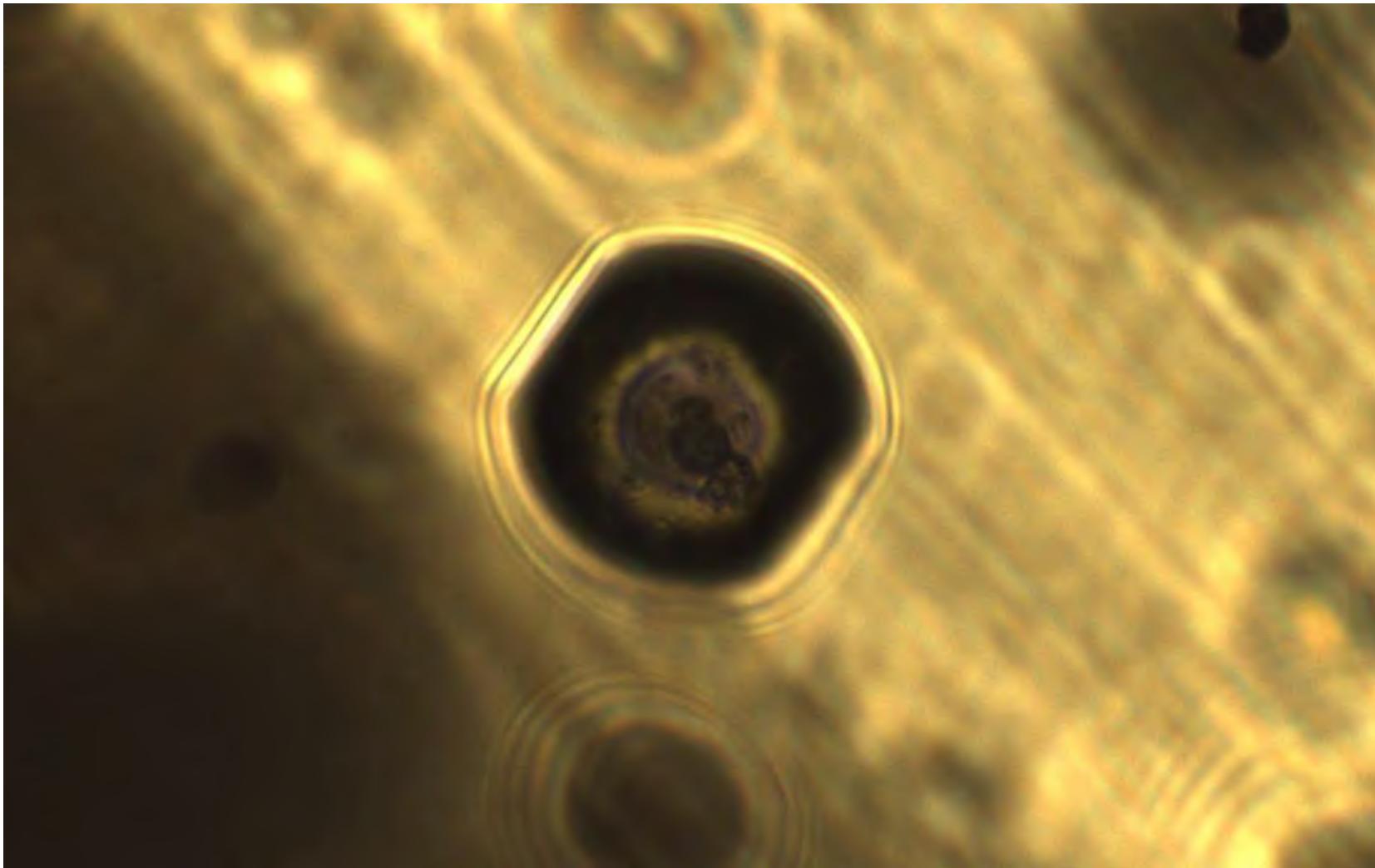




MP2\_106\_FIA

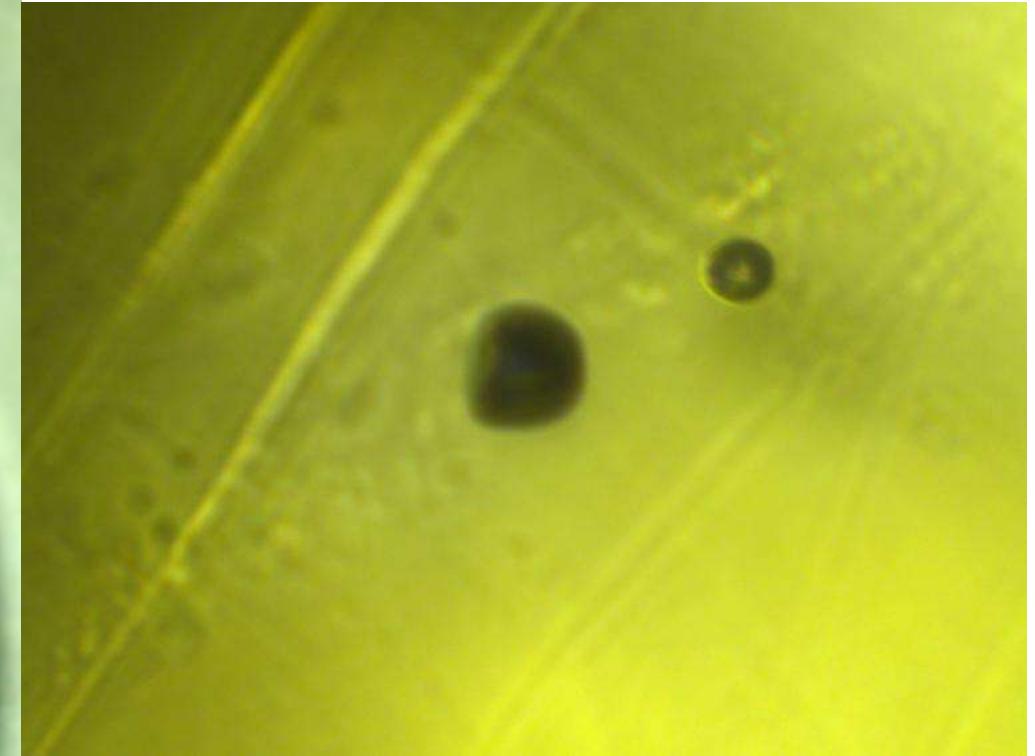
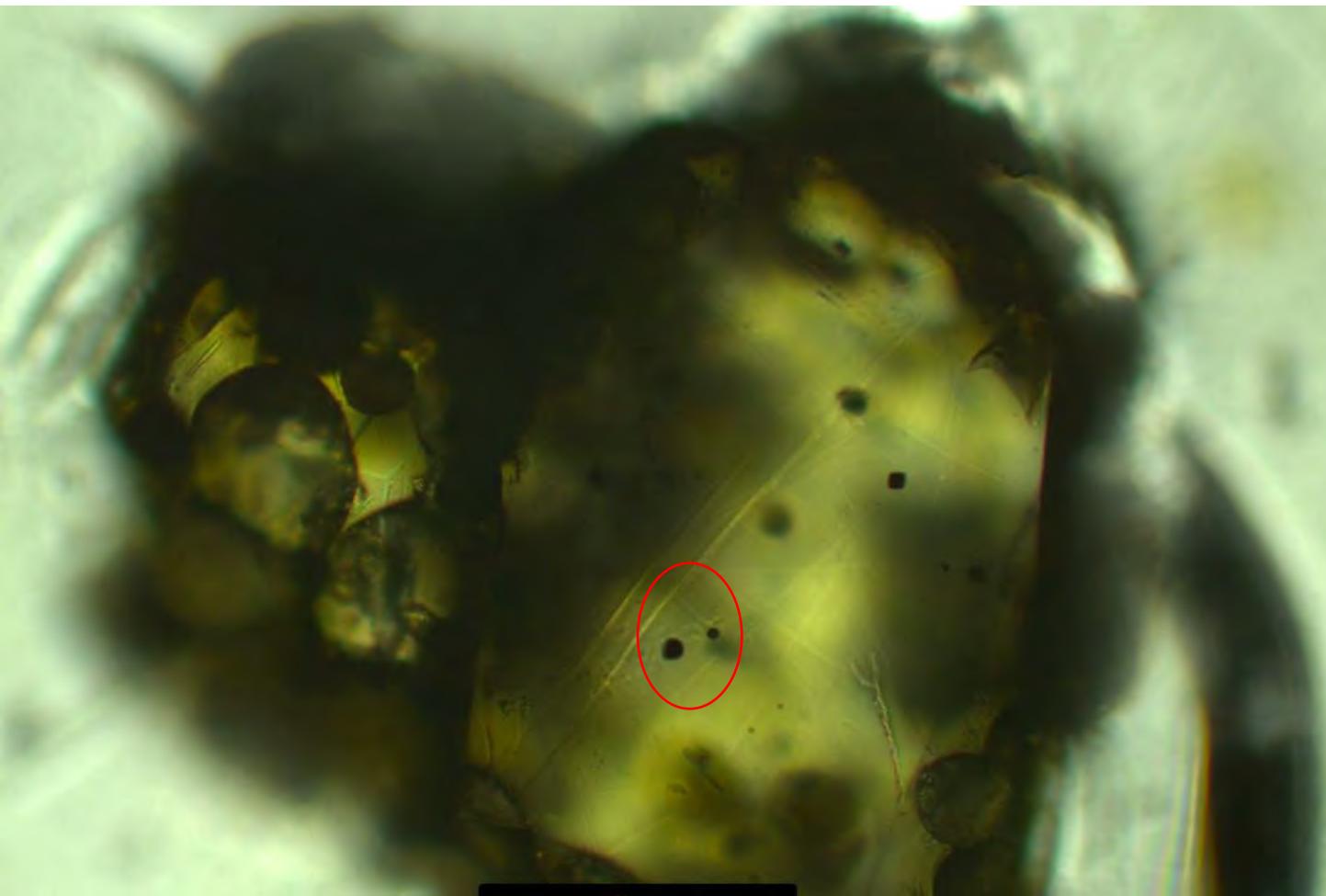


	Filename	Mag	Width (μm)	Height (μm)
1	10 MP2_106_50Xarea2_secphase.txt	100	111.423	69.640



May9th 2023

MP2\_107 – NO EPMA



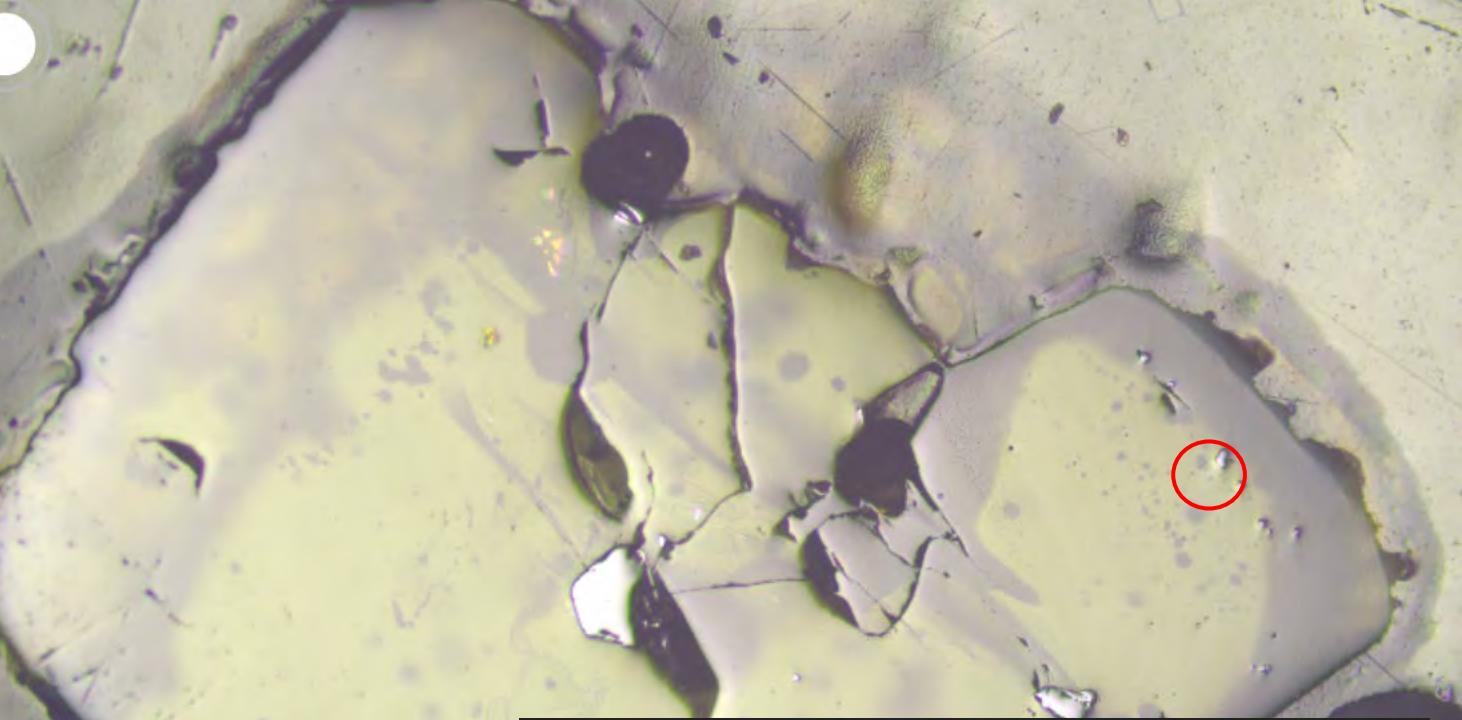
May9th 2023

# Folder: 2023\_08\_14\_EpoxyMounts

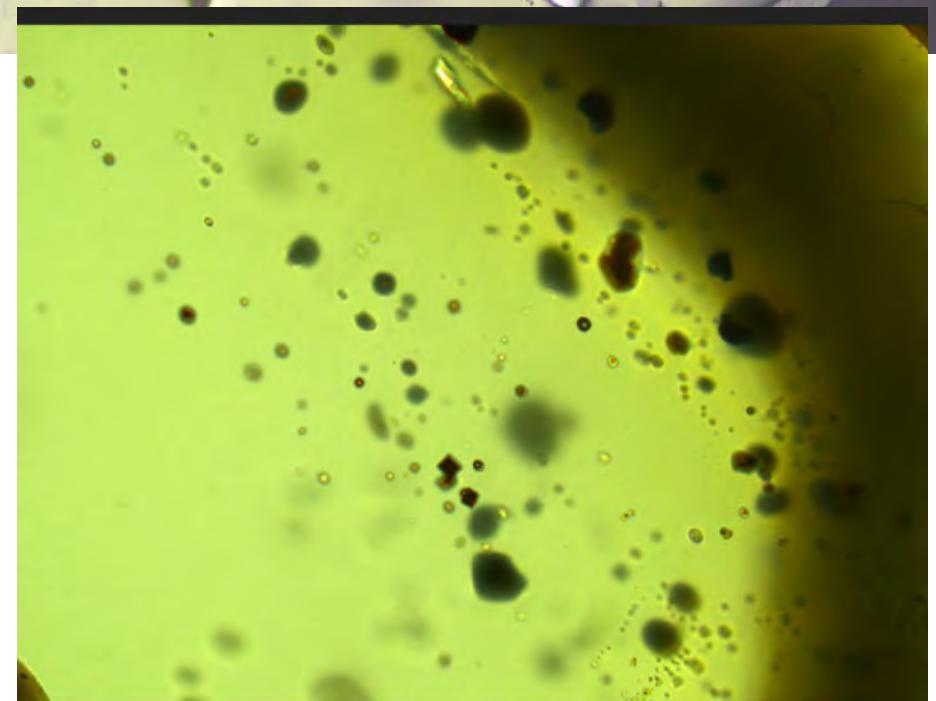
- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,



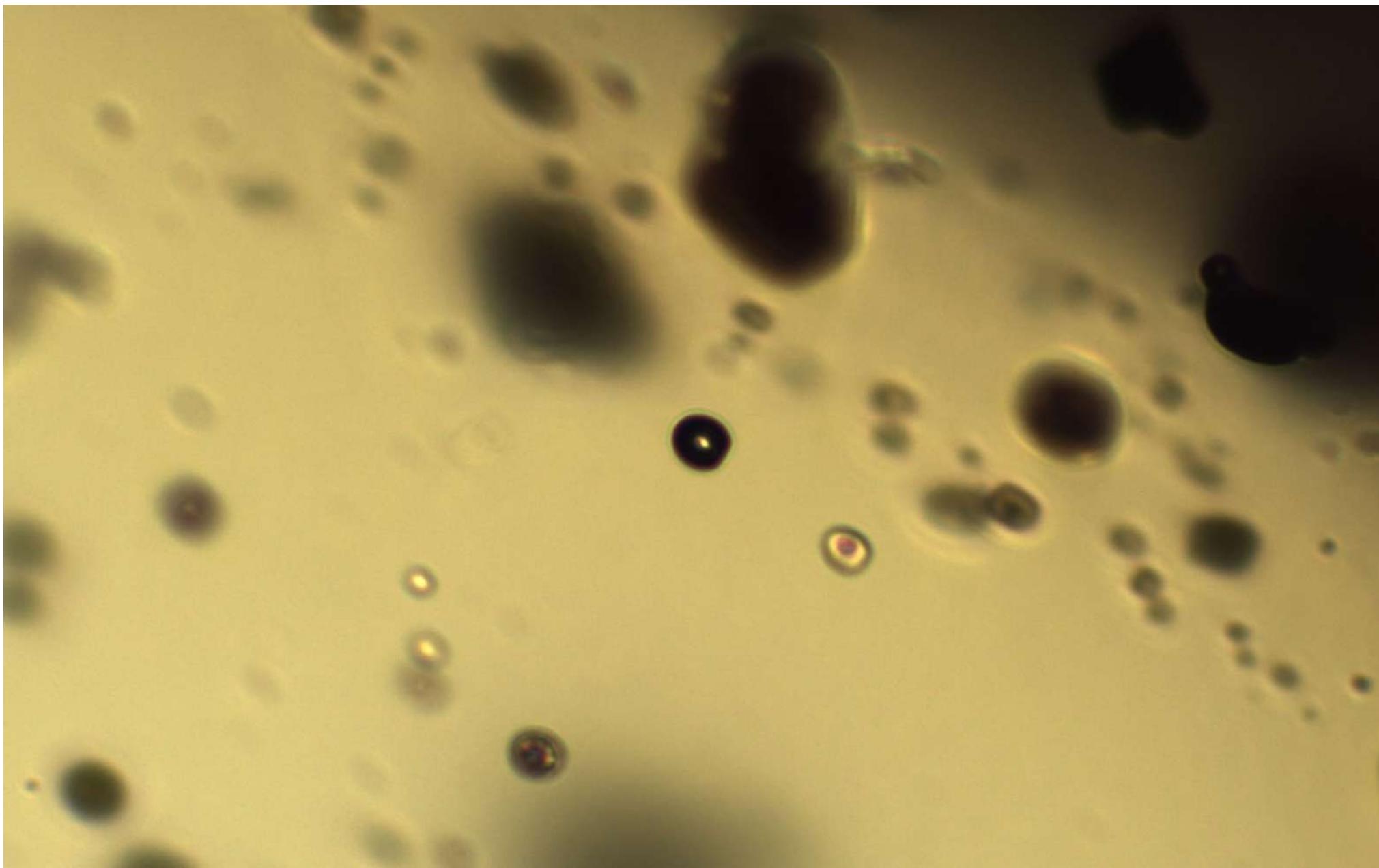
MLP\_5\_FIE



MLC\_MaunaLoa\_FIs

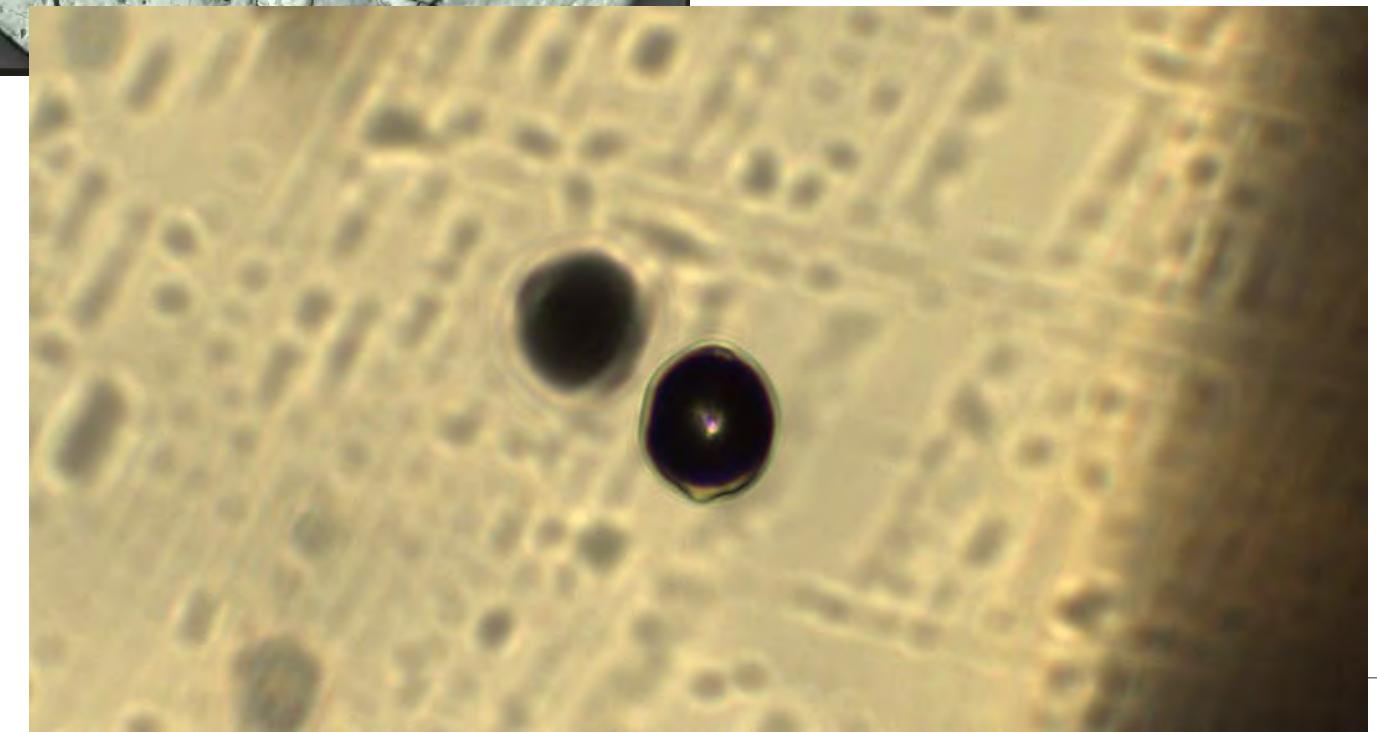
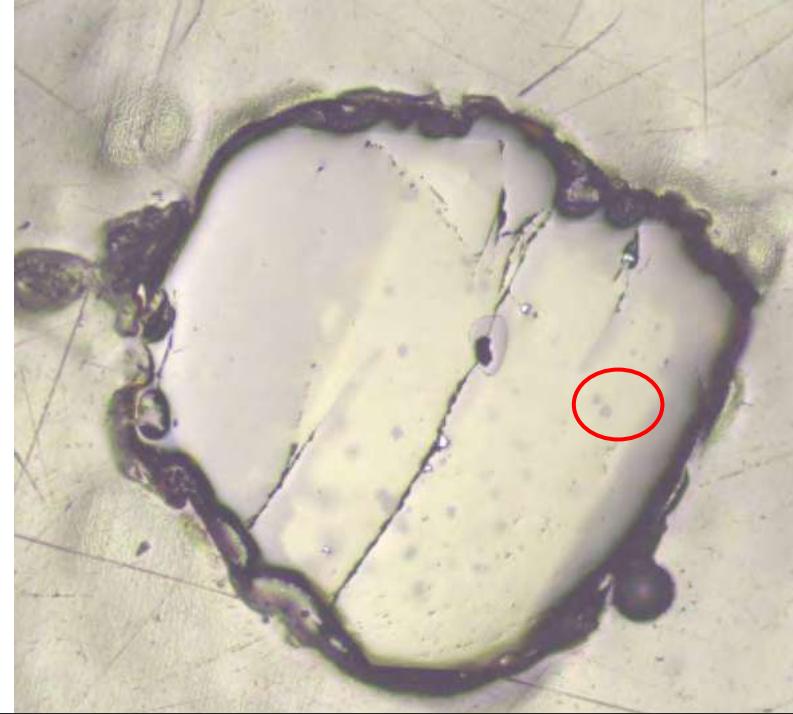


	Filename	Mag	Width (μm)	Height (μm)
0	01 MLP_5_FIE_50X.txt	50	223.221	139.513



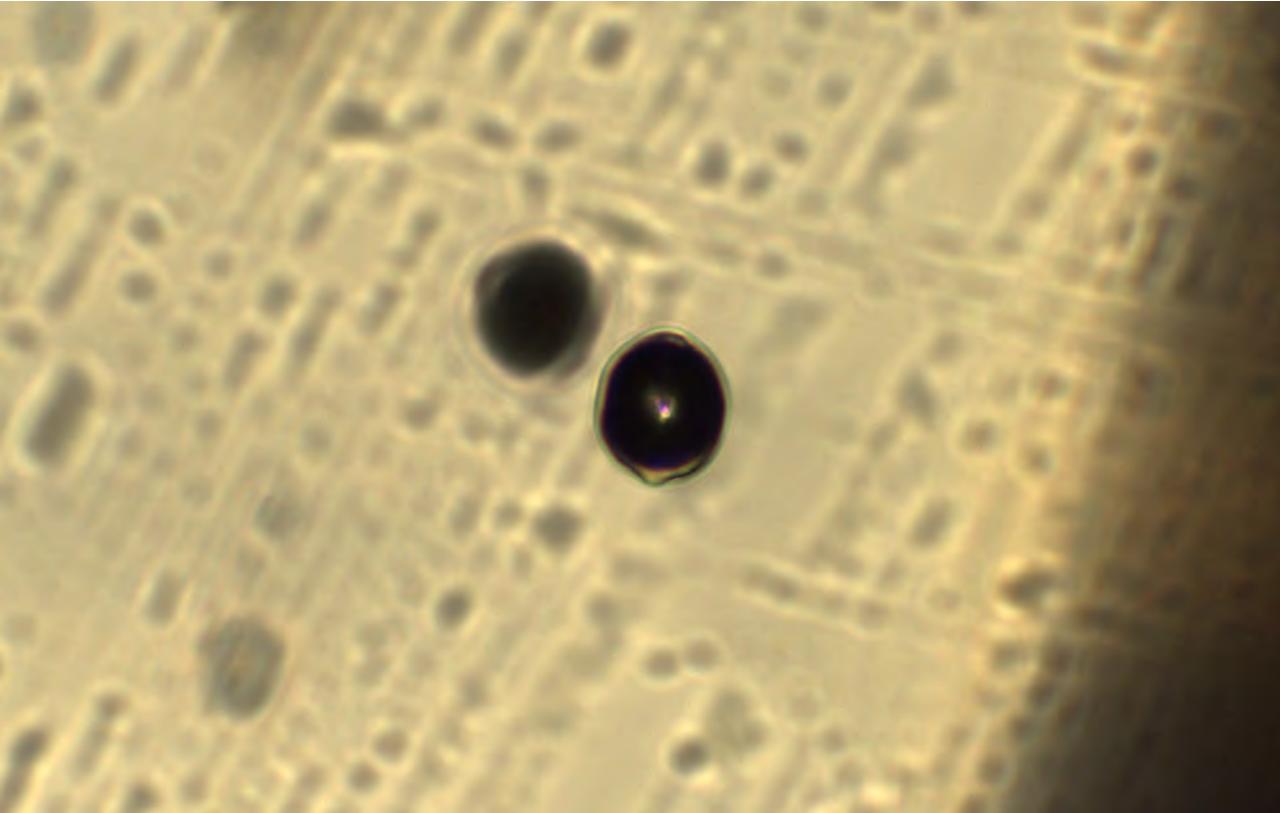


**MLP\_26\_FIA,  
MLP\_26\_FIB**

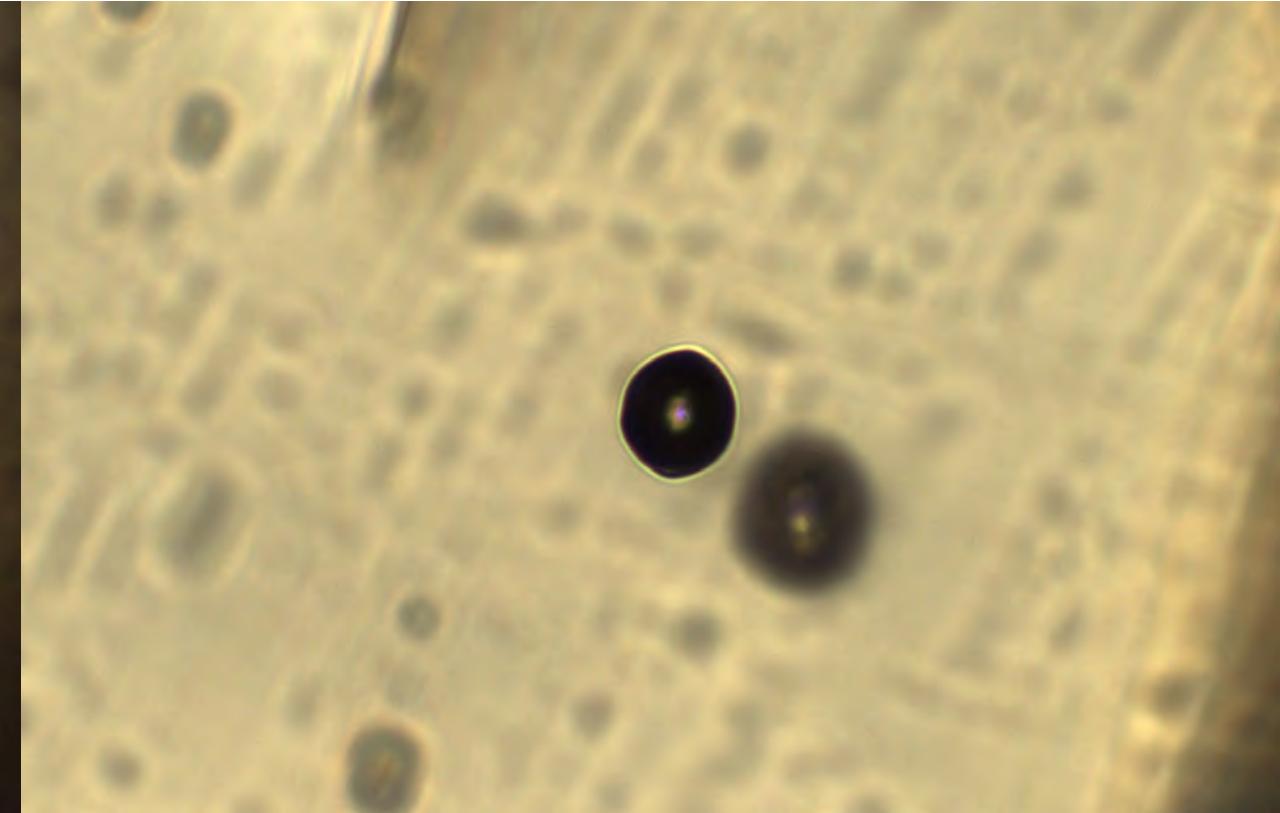


FIs

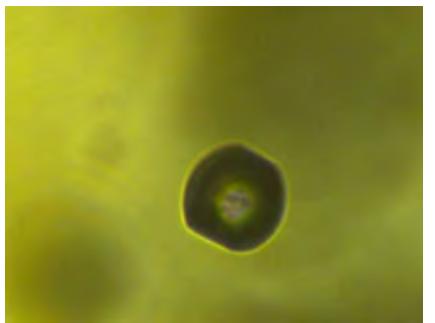
	Filename	Mag	Width (μm)	Height (μm)
1	06 MLP_26_FIA.txt	50	223.221	139.513

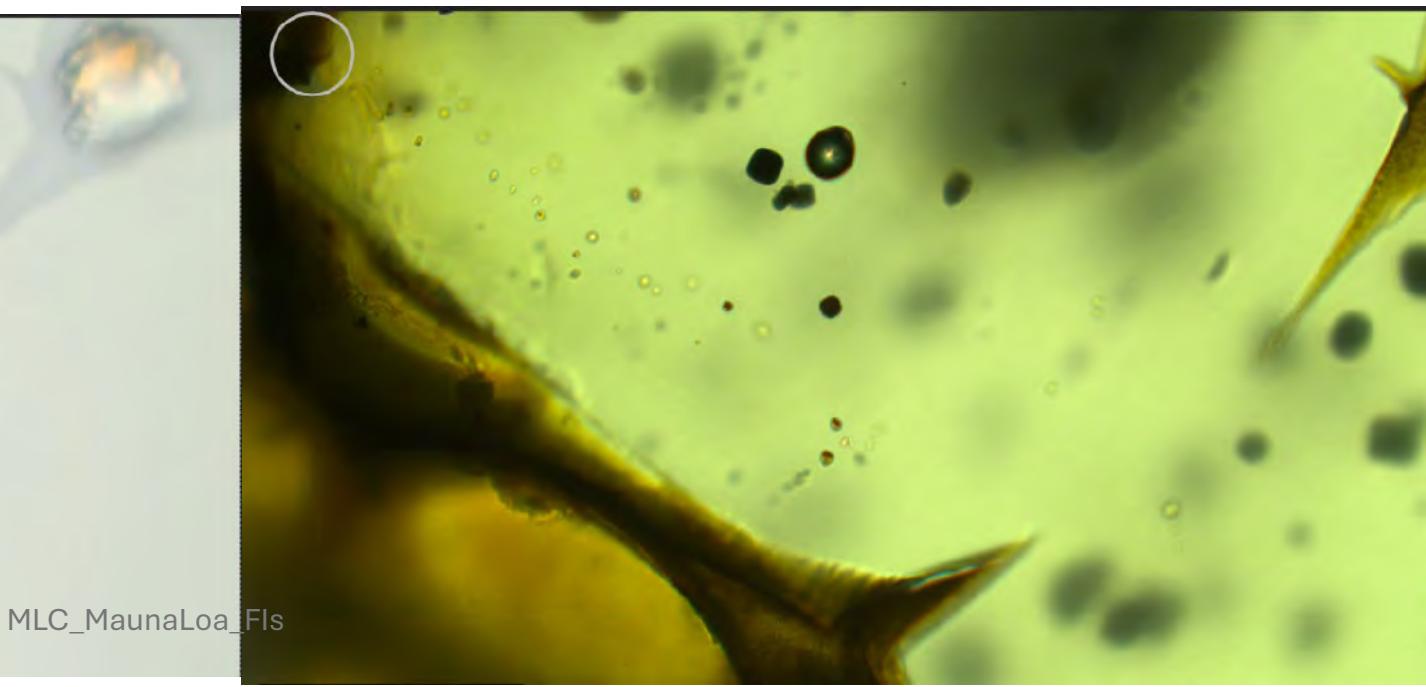


	Filename	Mag	Width (μm)	Height (μm)
2	07 MLP_26_FIB.txt	50	223.221	139.513

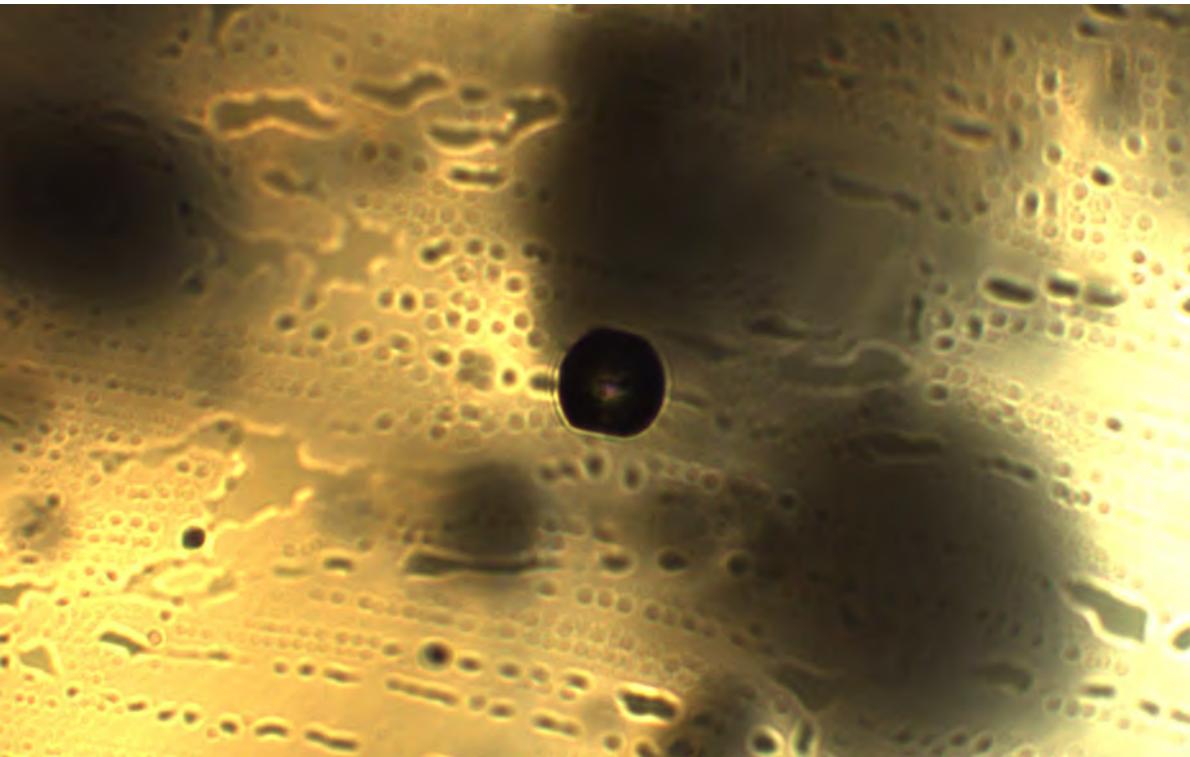


14th Aug 2023

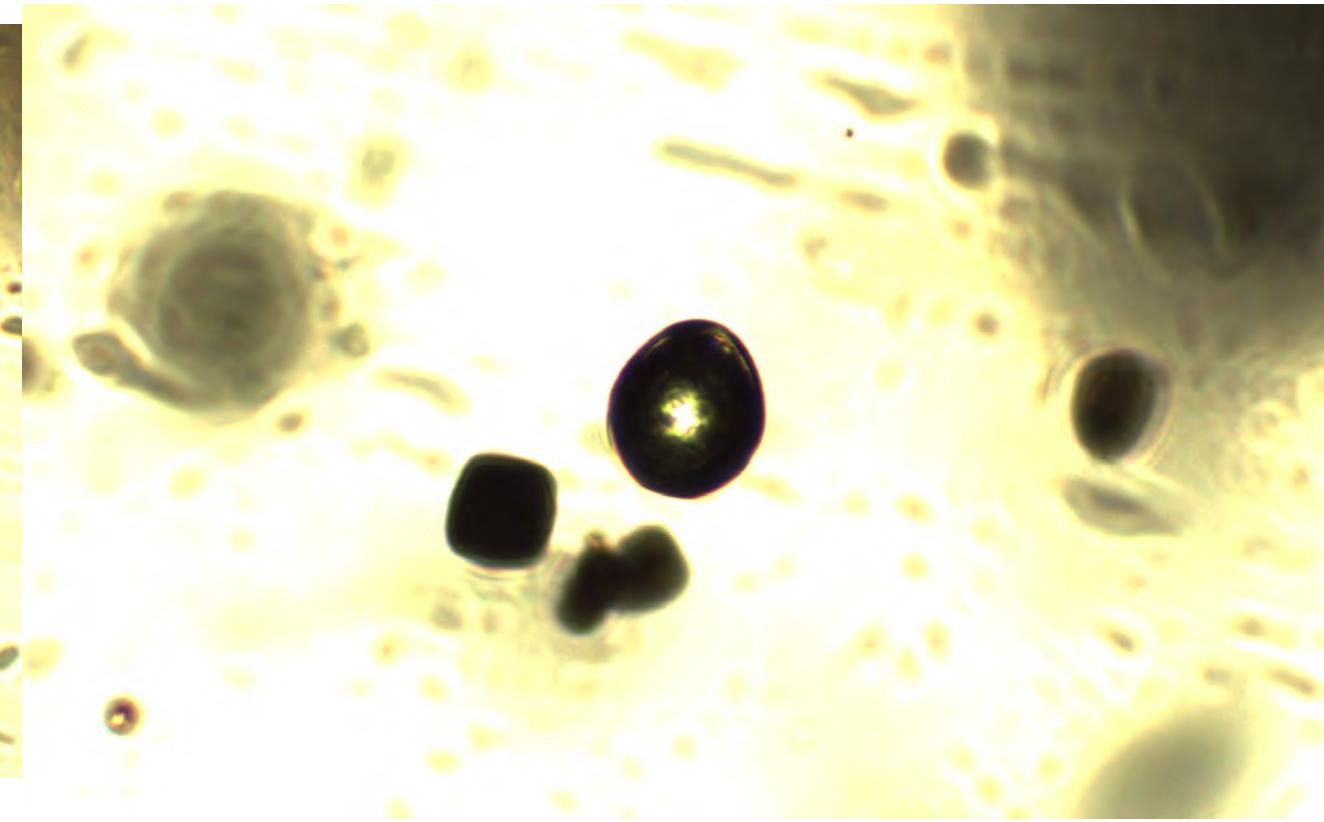




	Filename	Mag	Width (µm)	Height (µm)
3	11 MLP_25_FIA.txt	50	223.221	139.513



	Filename	Mag	Width (µm)	Height (µm)
4	12 MLP_25_FIB.txt	50	223.221	139.513

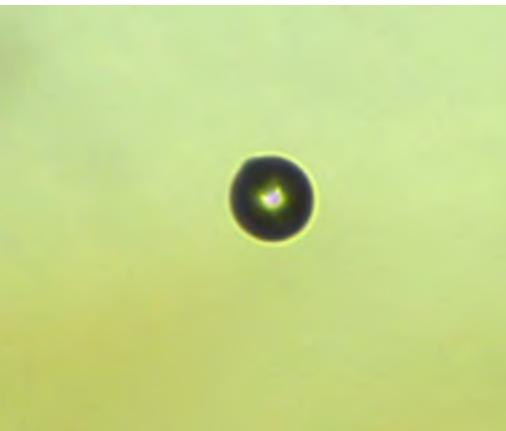


14th Aug 2023

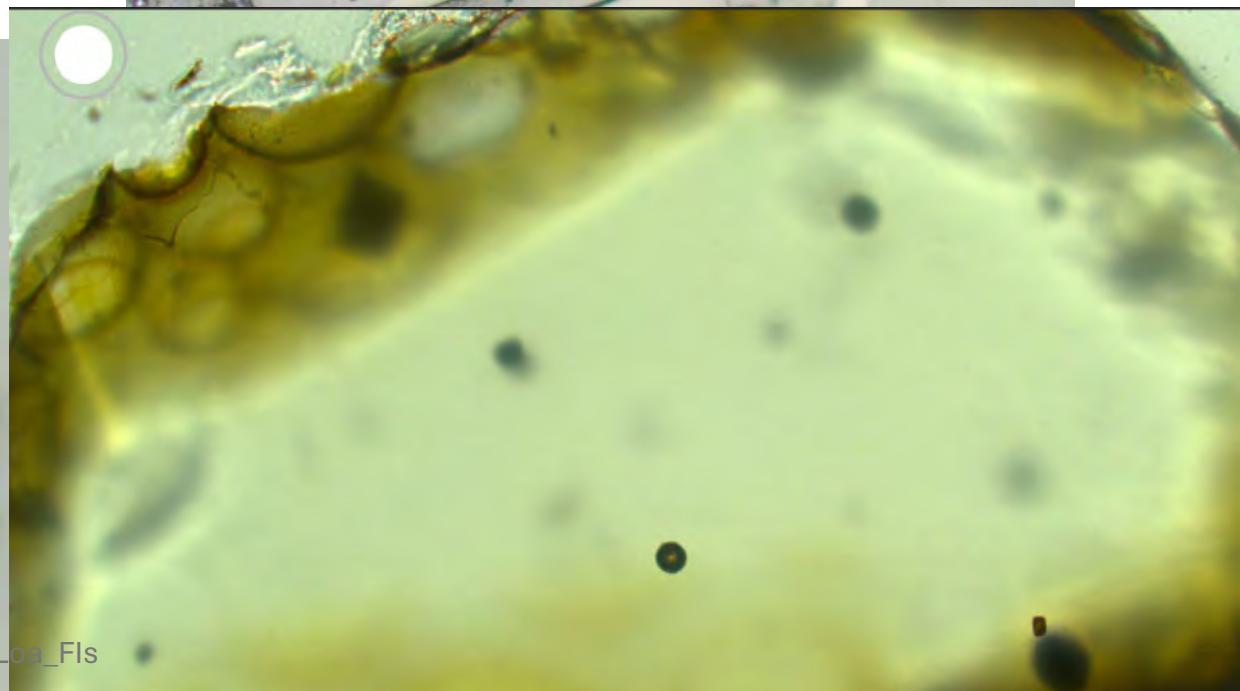


**MLP\_32\_FIA**

No features in RL except 1 tiny  
white dot  
Xstal broke in 2 fragments

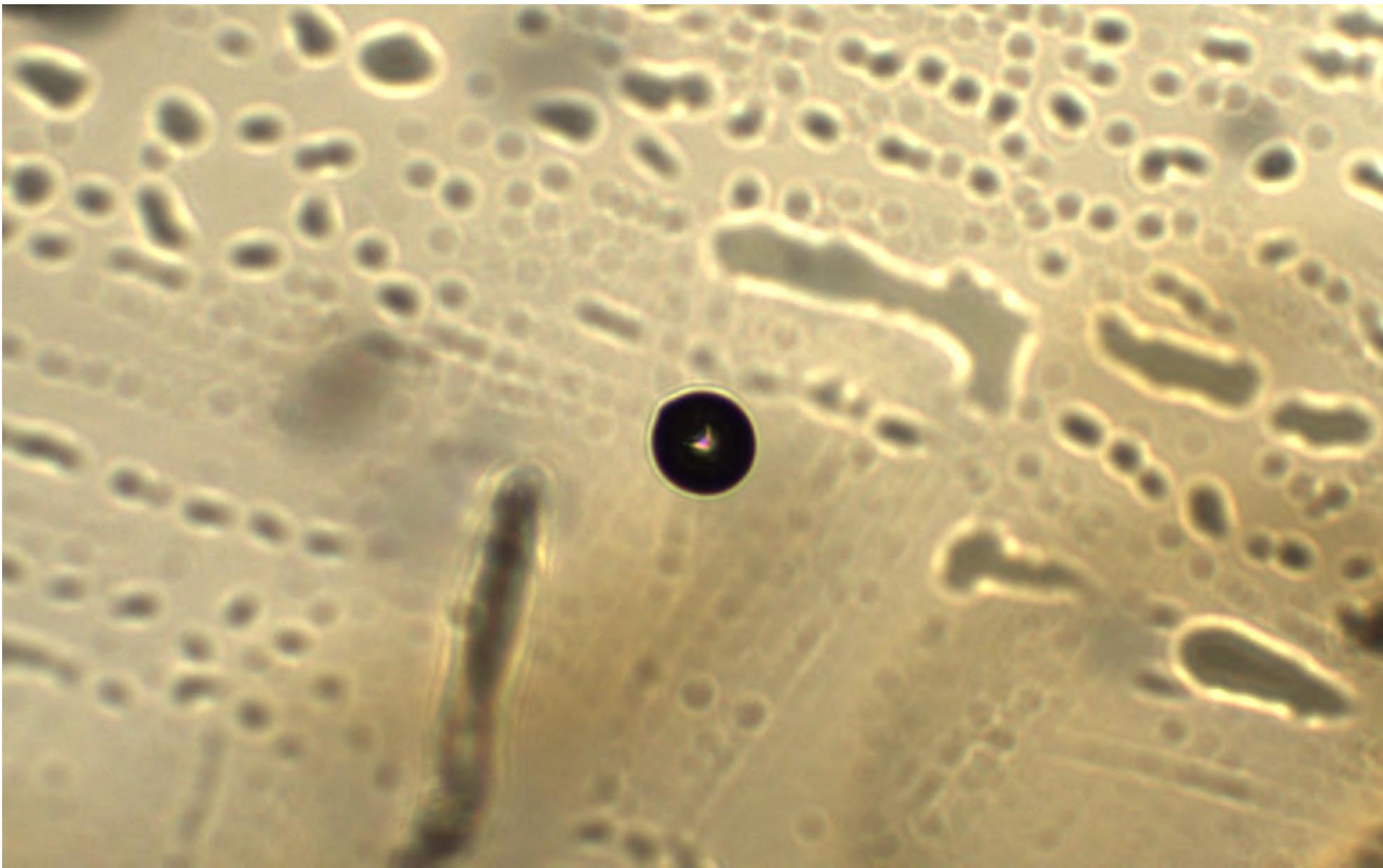


MLC\_MaunaLoa\_FIs

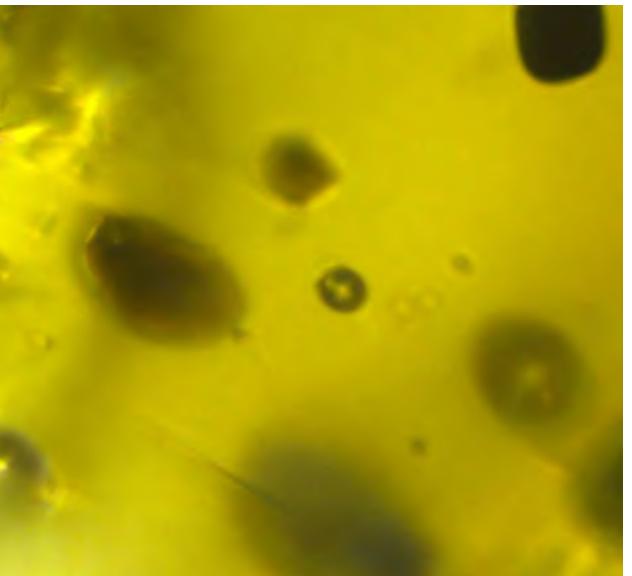


Filename	Mag	Width (μm)	Height (μm)
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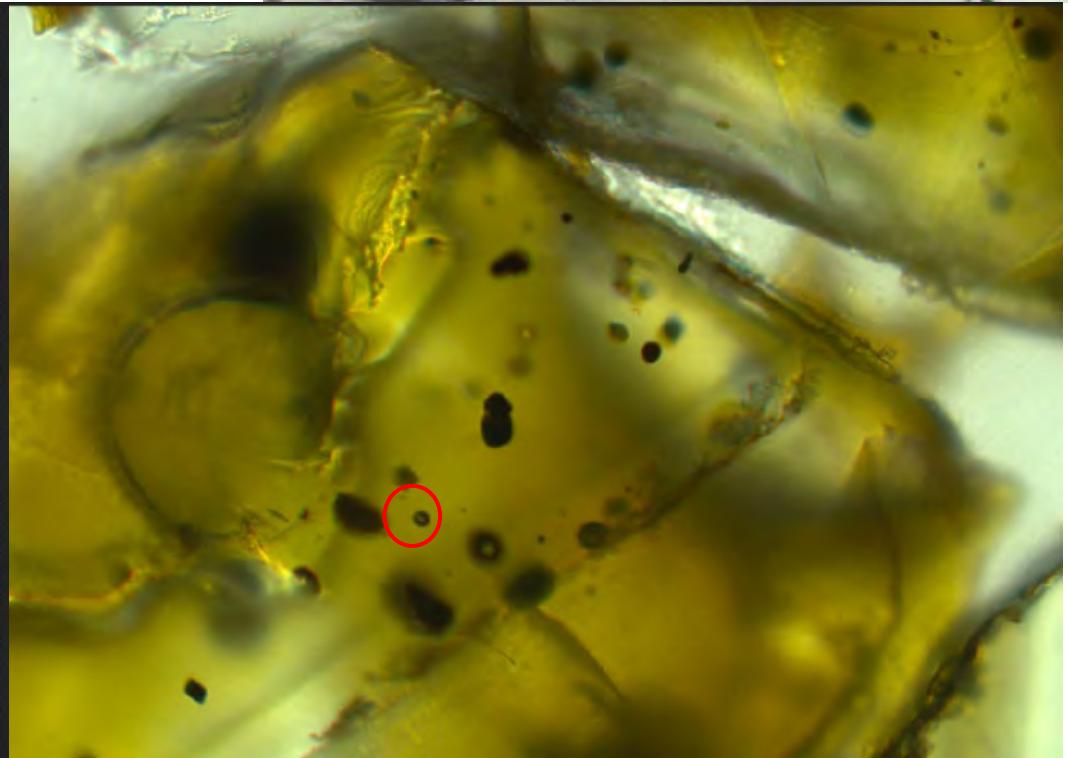
5_15 MLP_32_FIA_50X.txt	50	223.221	139.513
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**MLP\_33\_FIA**



**MLC\_MaunaLoa\_FIs**



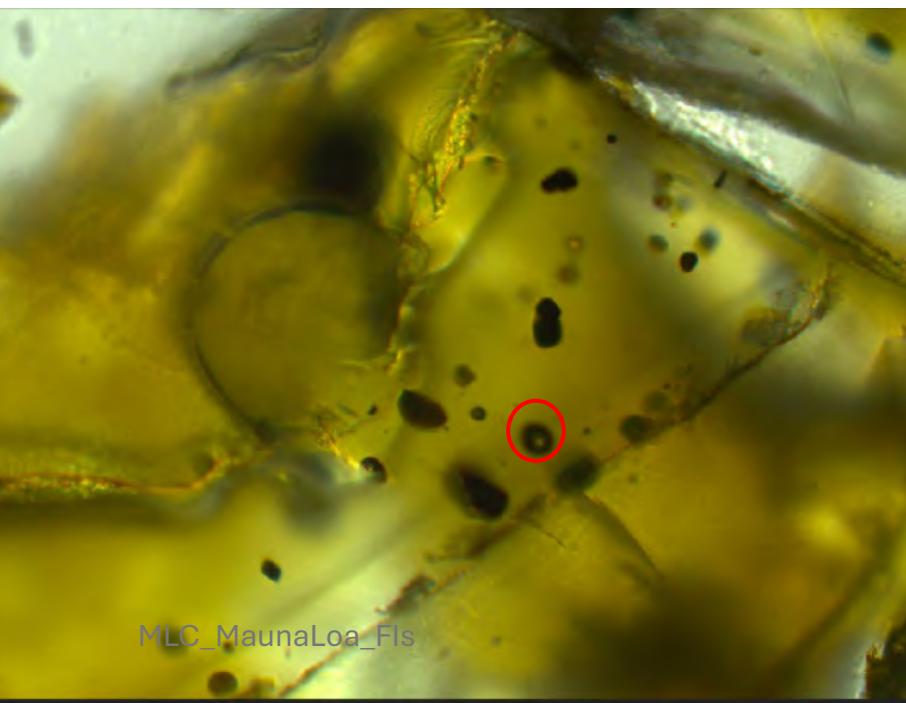
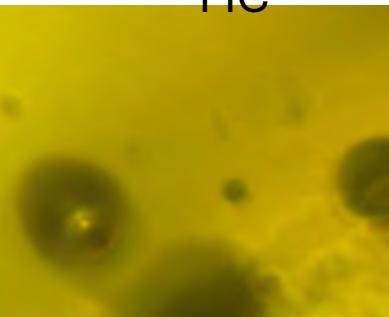


MLP\_33\_reg3  
PW: FIB-C

FIB

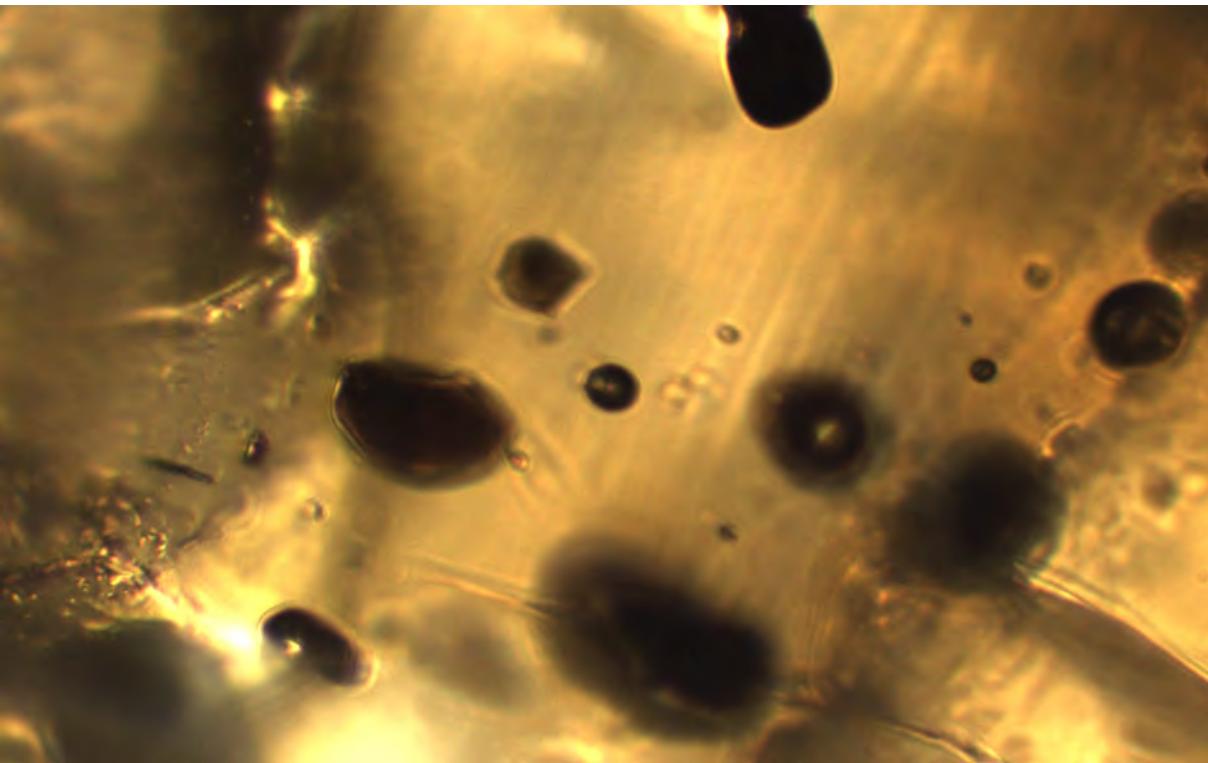


FIC

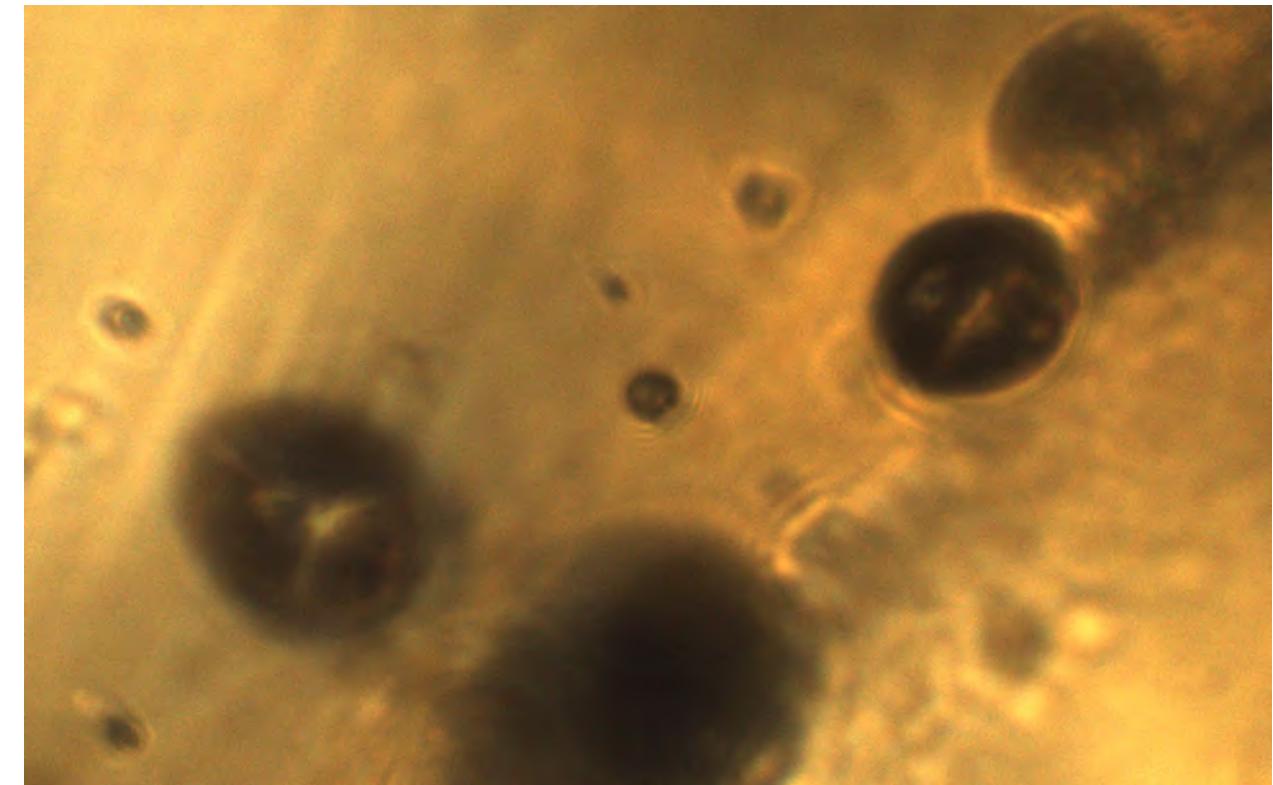


MLC\_MaunaLoa\_Fls

	Filename	Mag	Width (µm)	Height (µm)
6	19 MLP_33_FIA.txt	50	223.221	139.513

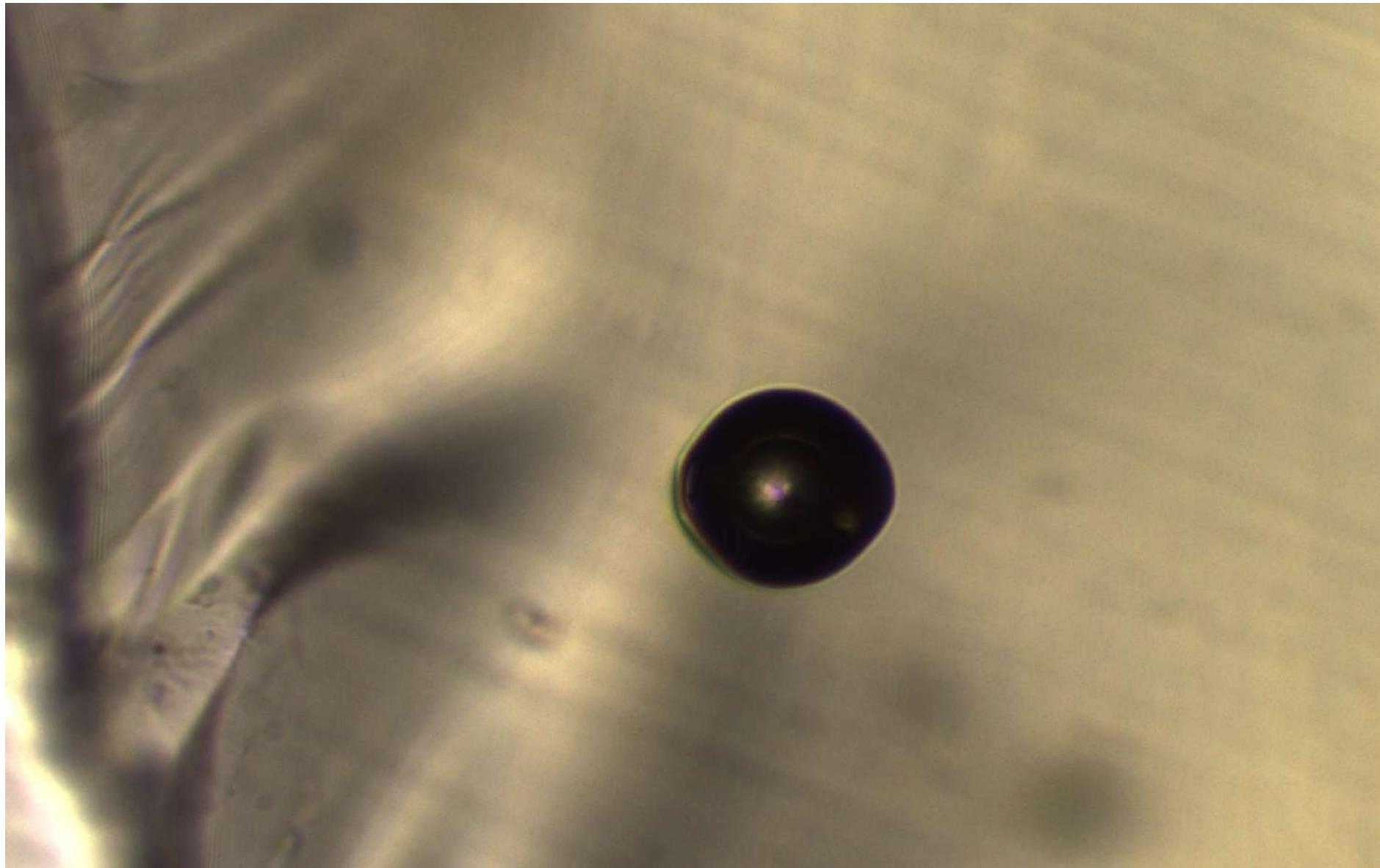


	Filename	Mag	Width (µm)	Height (µm)
7	23 MLP_33_FIC.txt	100	111.423	69.640



	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
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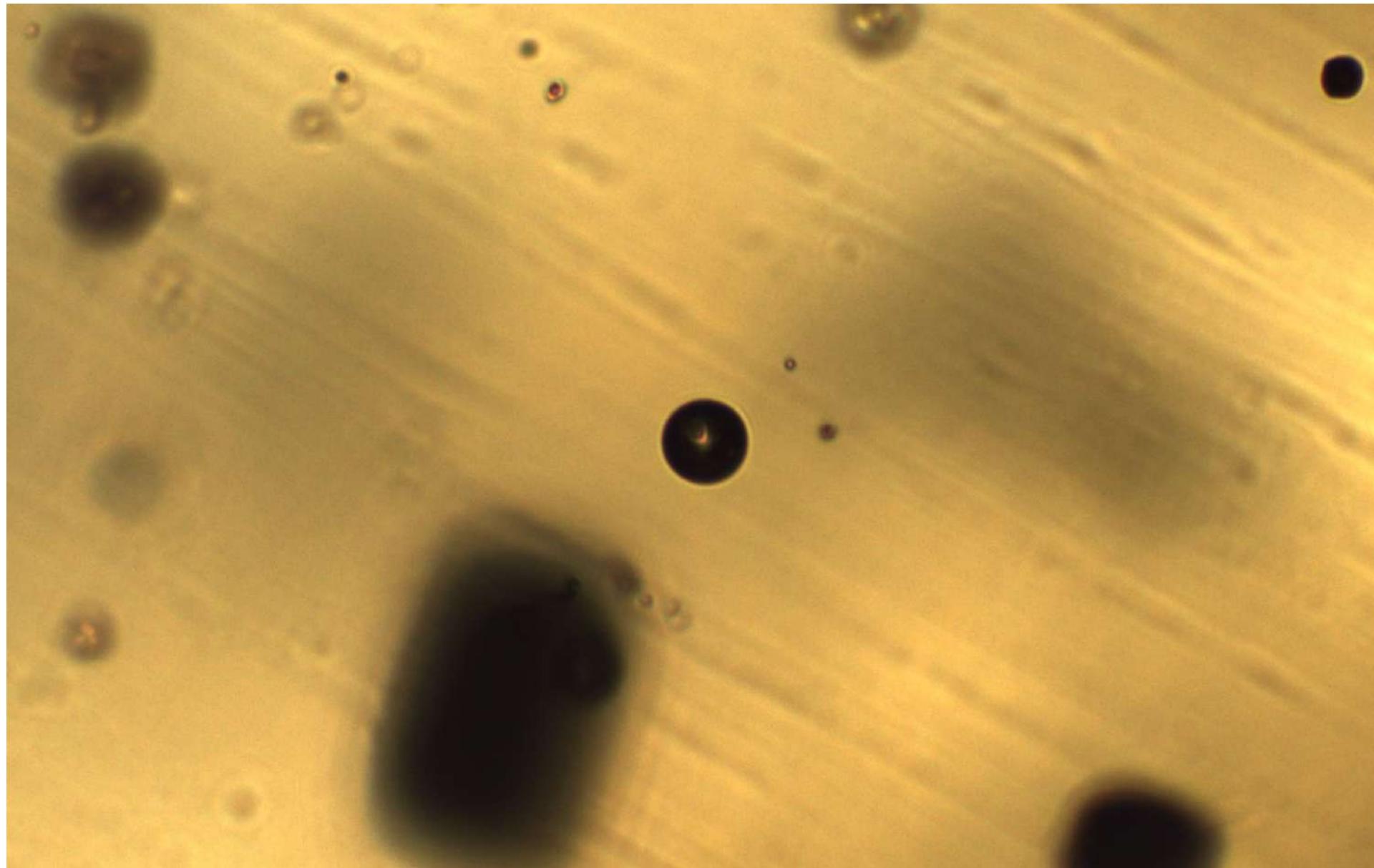
8	26 MLP_34_FIA.txt	50	223.221	139.513
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14th Aug 2023

	Filename	Mag	Width (µm)	Height (µm)
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9	29 MLP_44_FIA.txt	50	223.221	139.513
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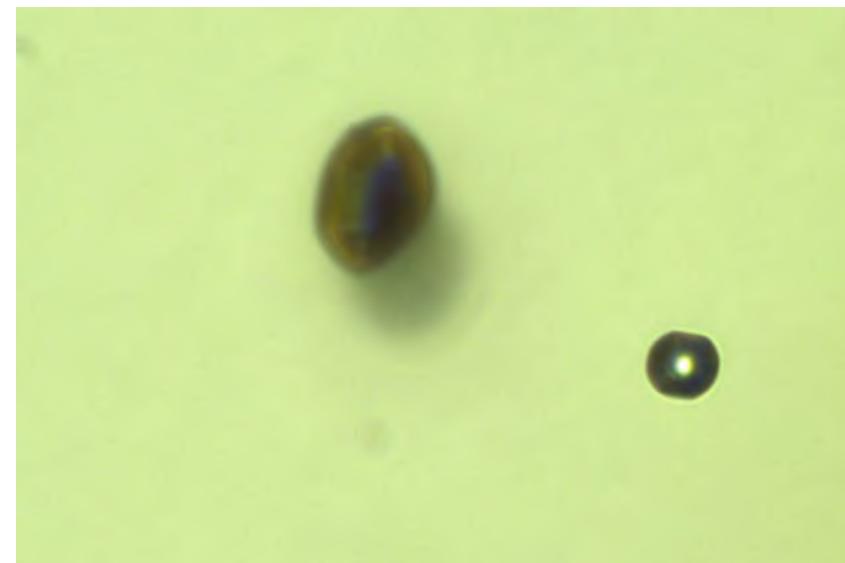




MLP\_43\_FIA

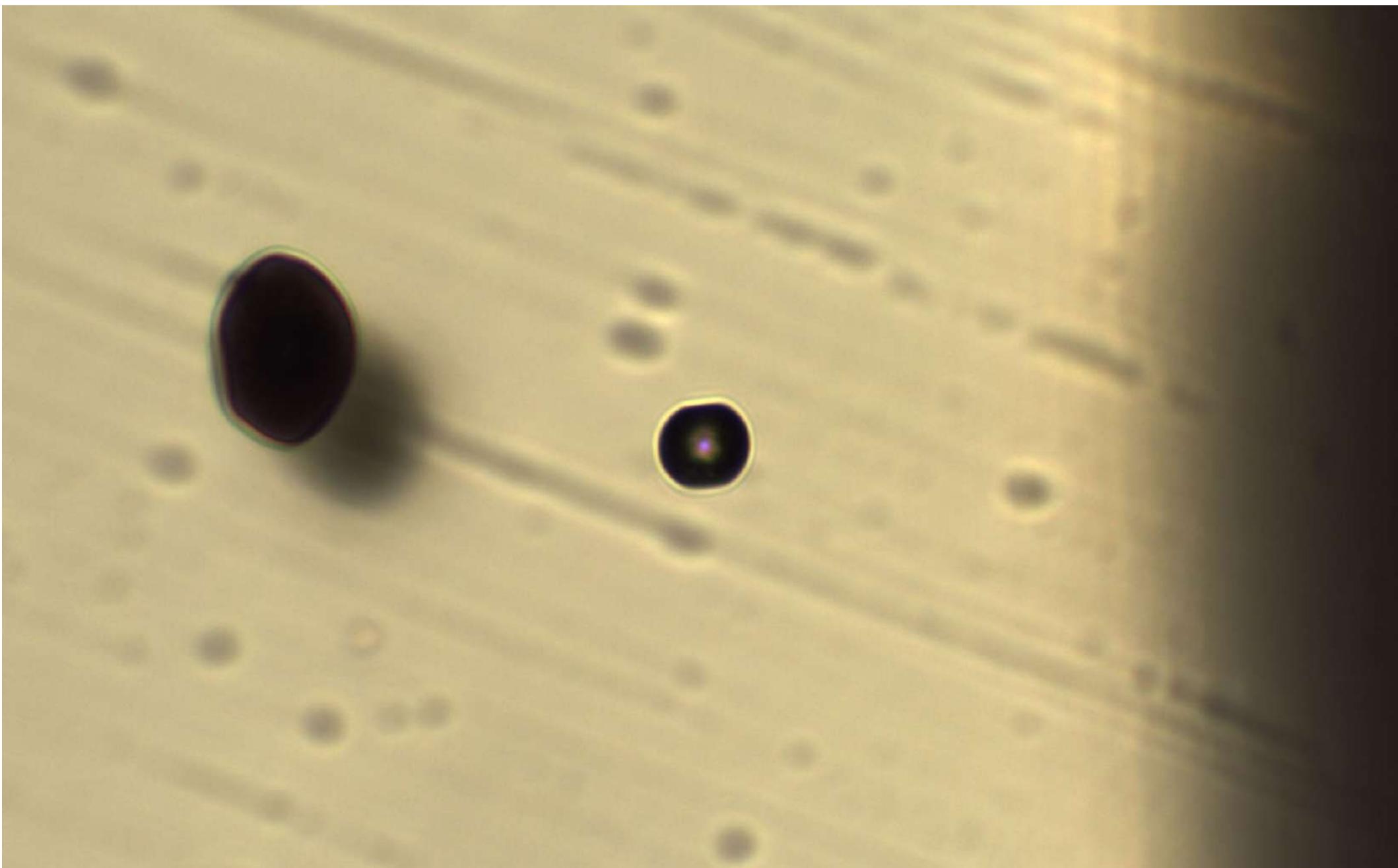


MLC\_MaunaLoa\_FIs



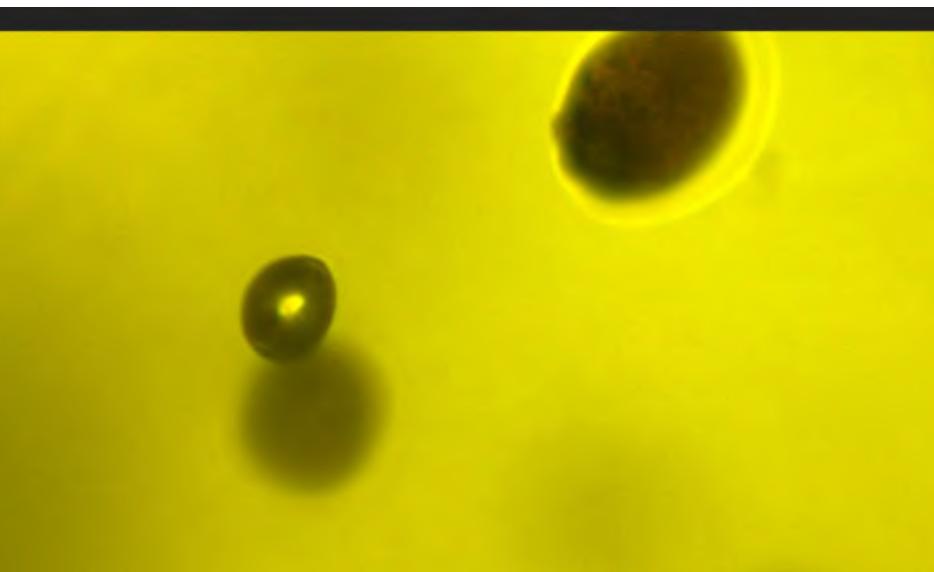
	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
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10	31 MLP_43_FIA.txt	50	223.221	139.513
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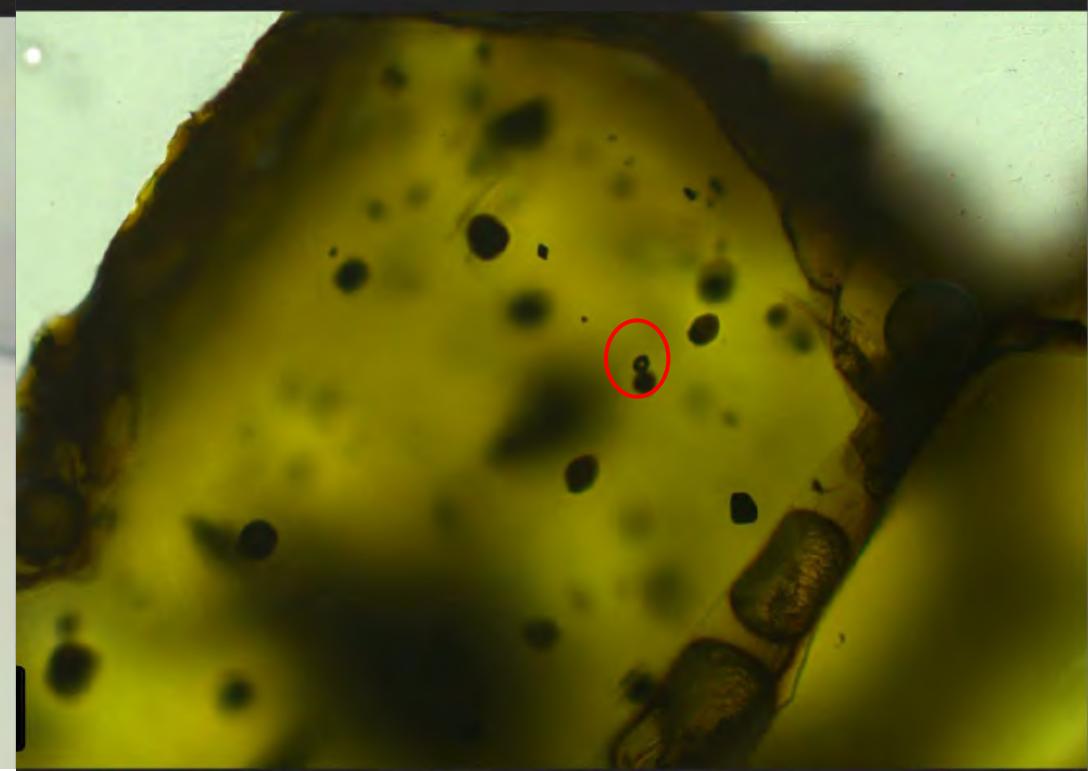




MLP\_41\_FIA

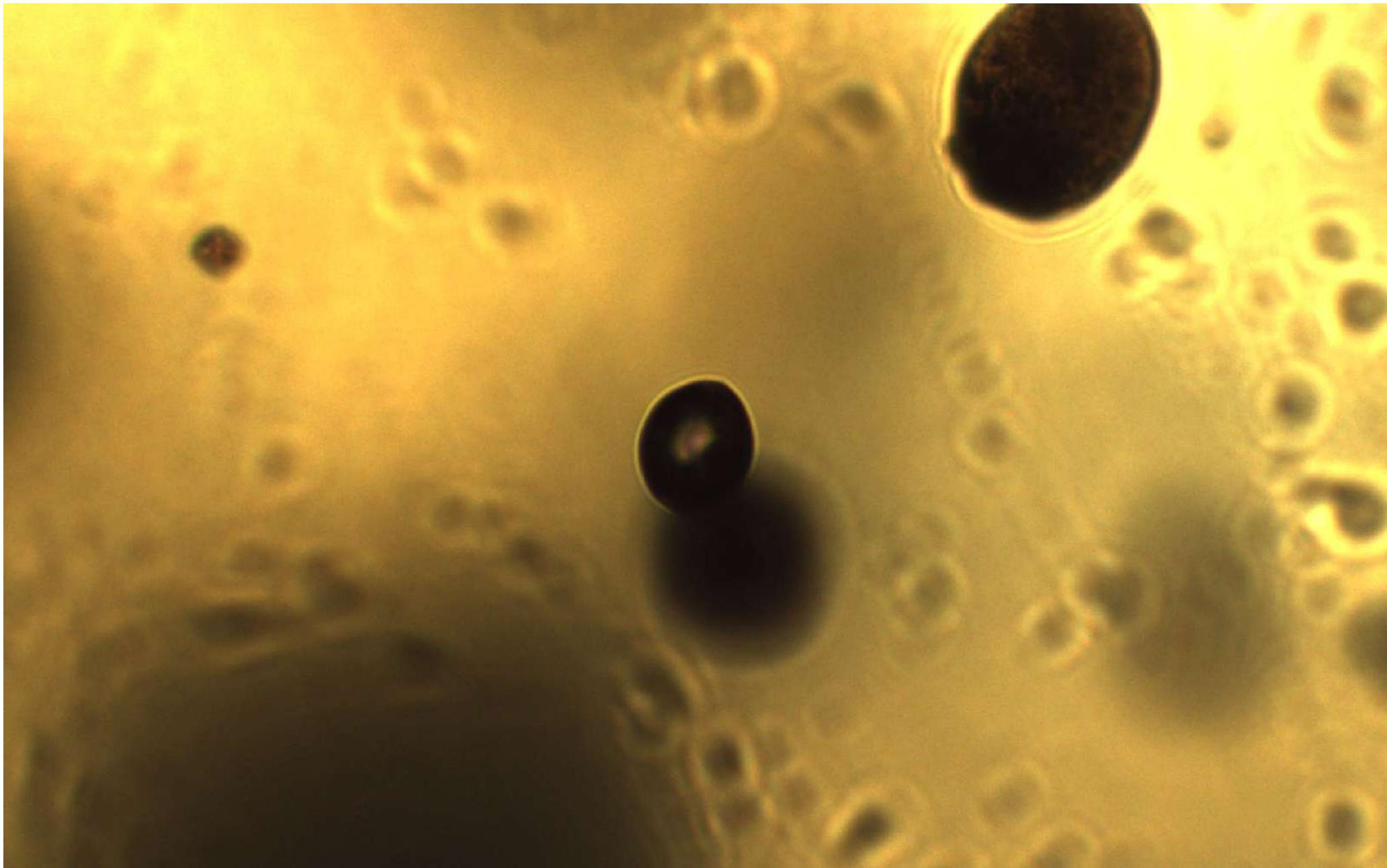


MLC\_MaunaLoa\_FIs



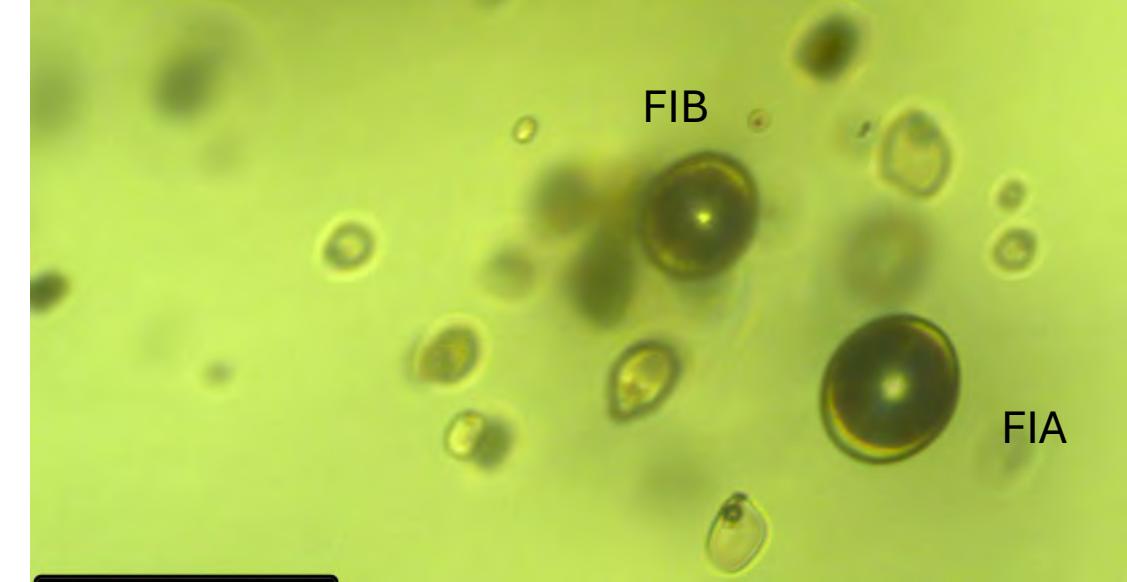
	Filename	Mag	Width (μm)	Height (μm)
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11	34 MLP_41_FIA.txt	50	223.221	139.513
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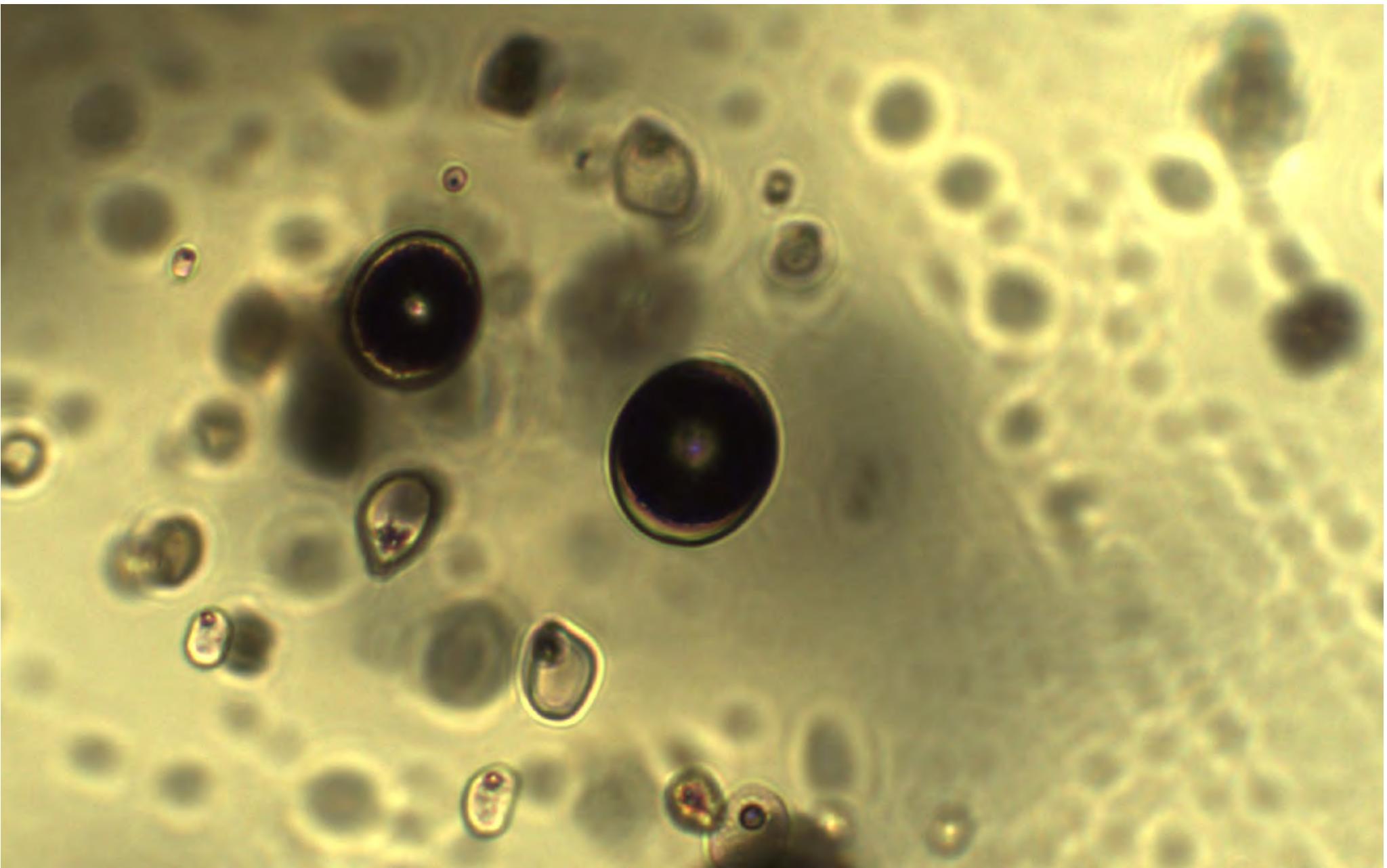


MLP\_40\_FIA



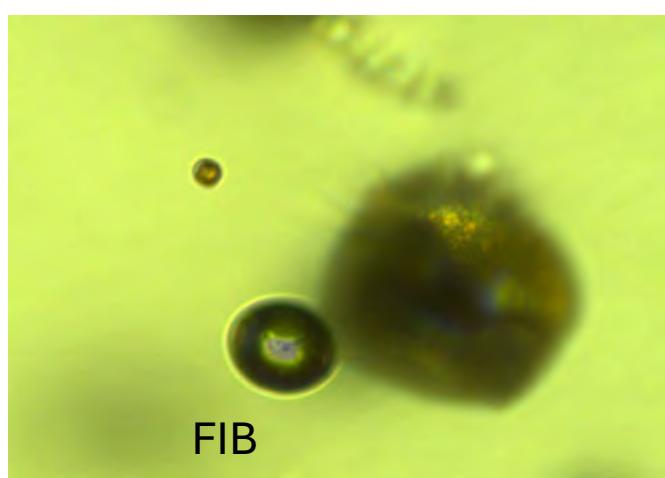
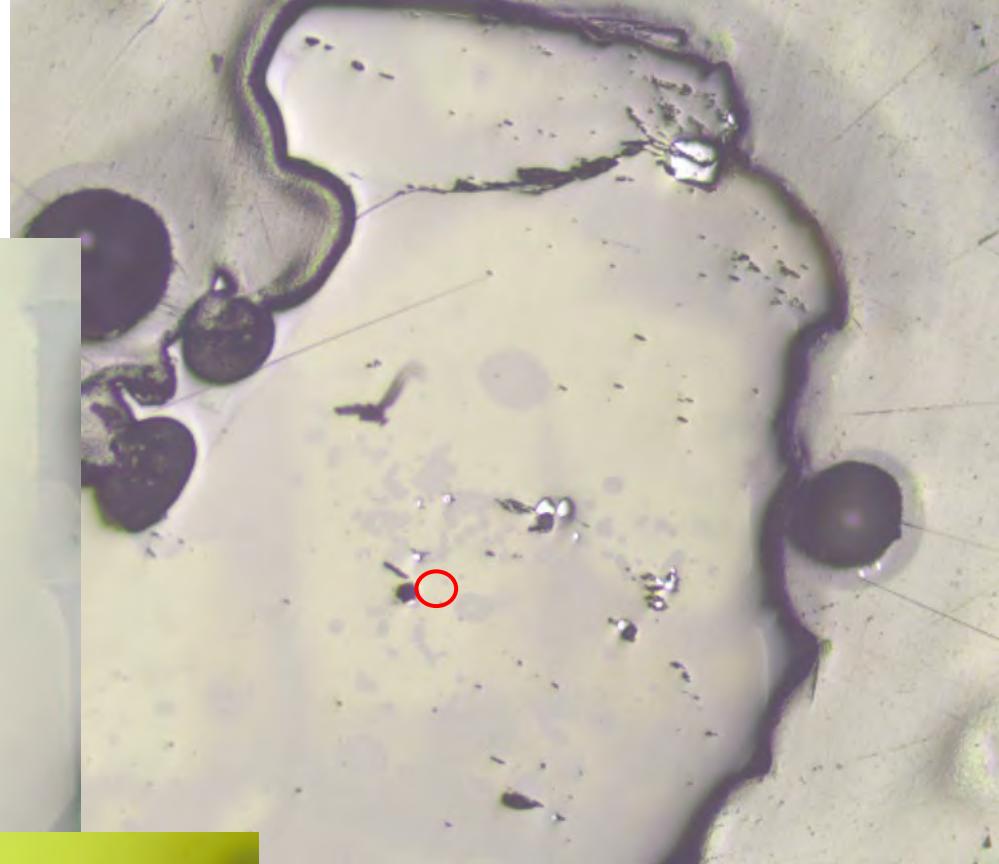
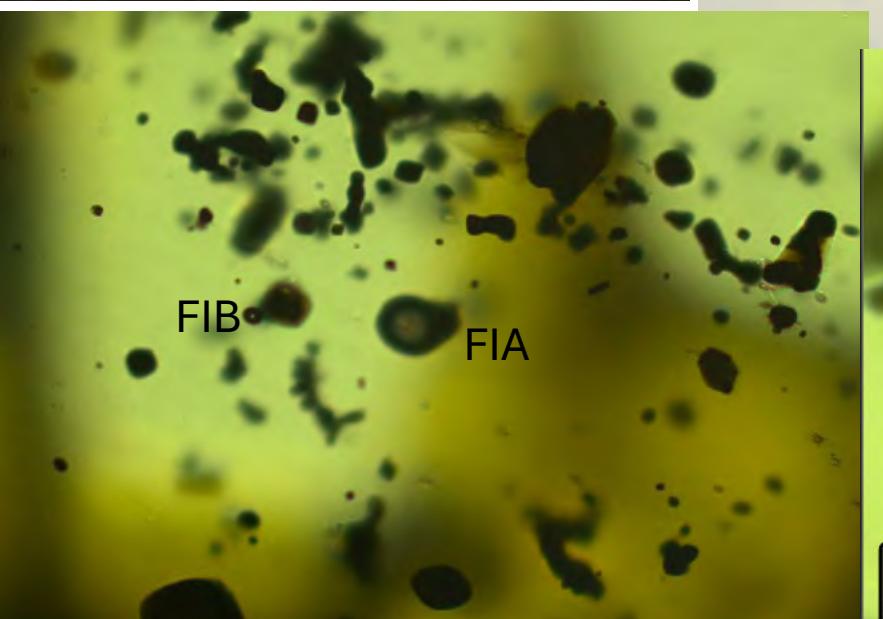
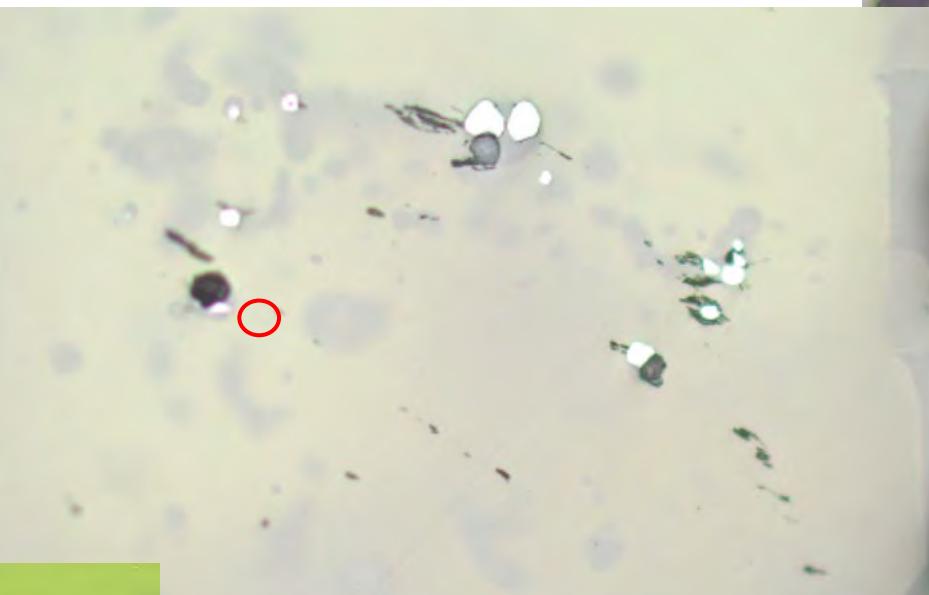
MLC\_MaunaLoa\_FIs

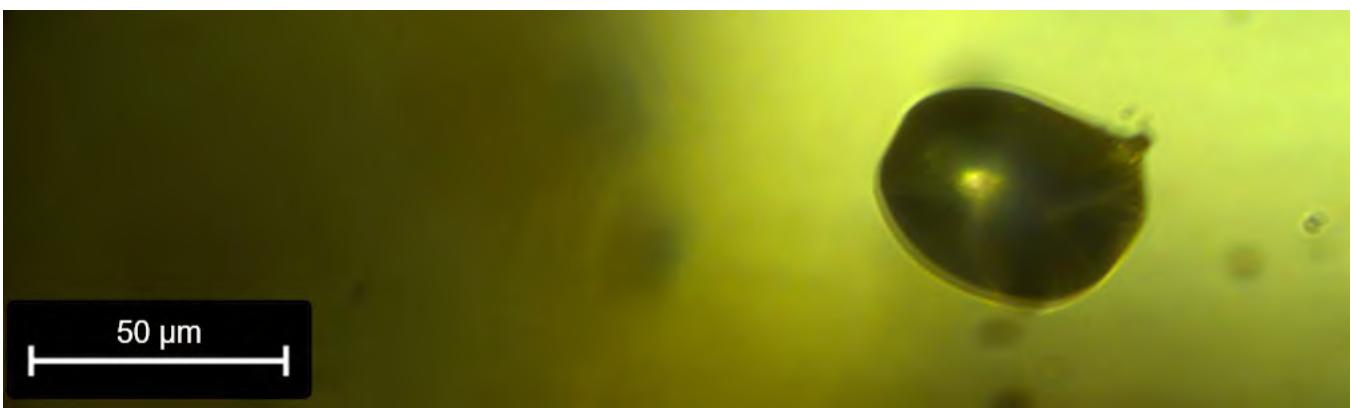
	Filename	Mag	Width (µm)	Height (µm)
12	37 MLP_40_FIA.txt	50	223.221	139.513



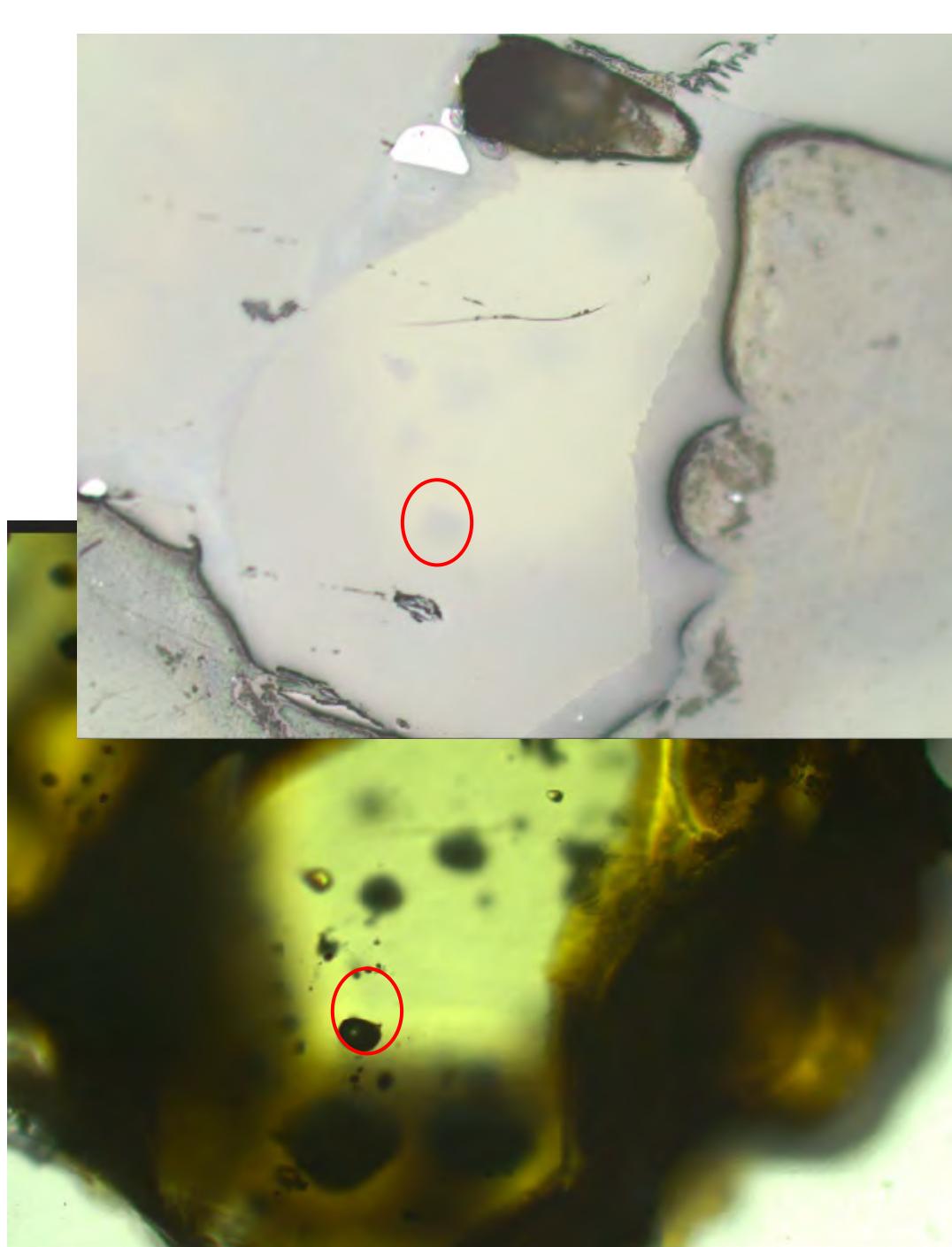


MLP\_39\_reg1  
FIA FIB

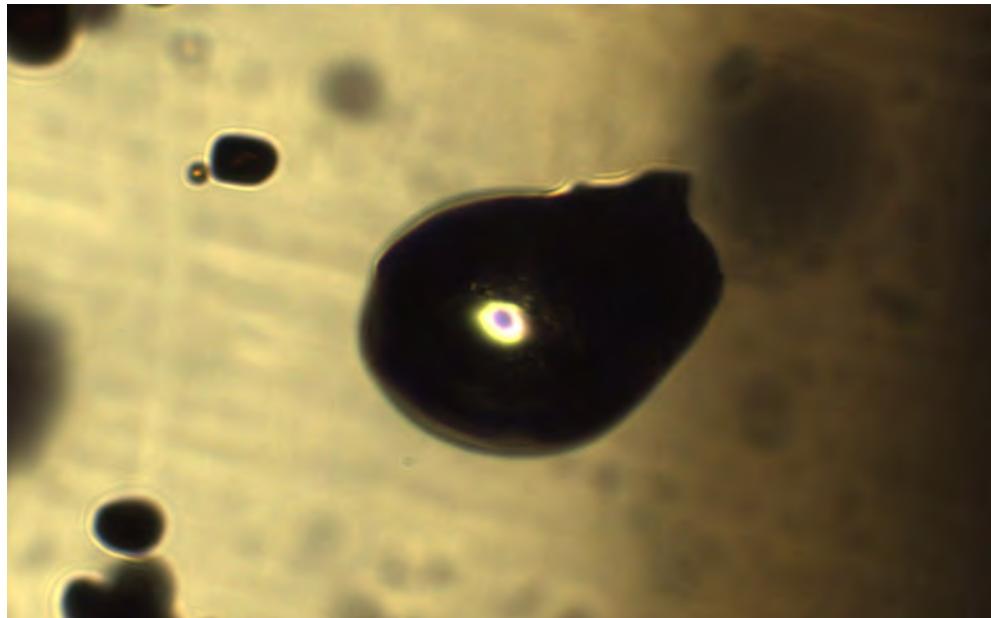




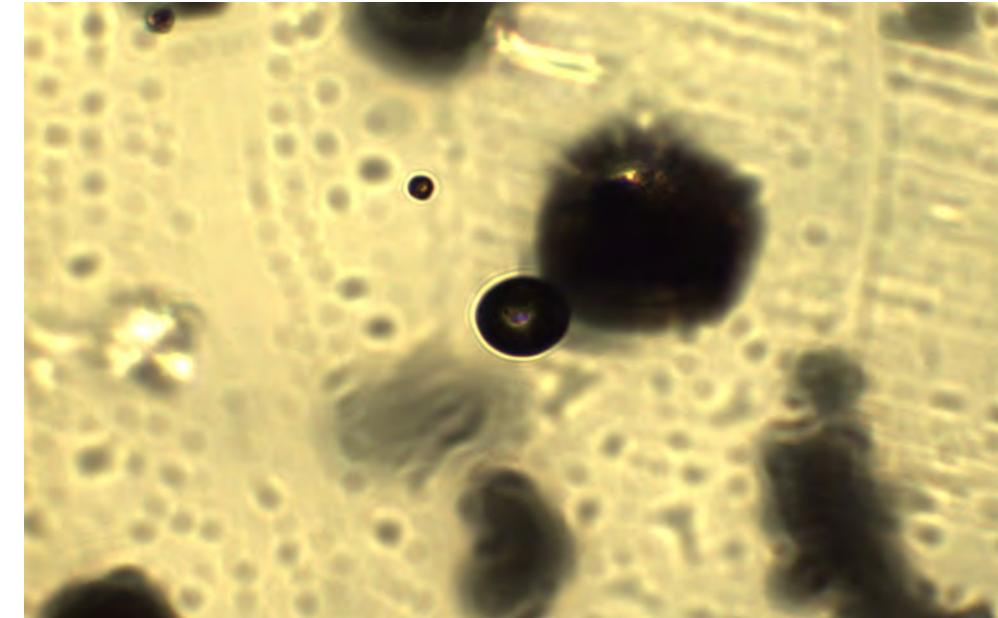
MLC\_MaunaLoa\_FIs



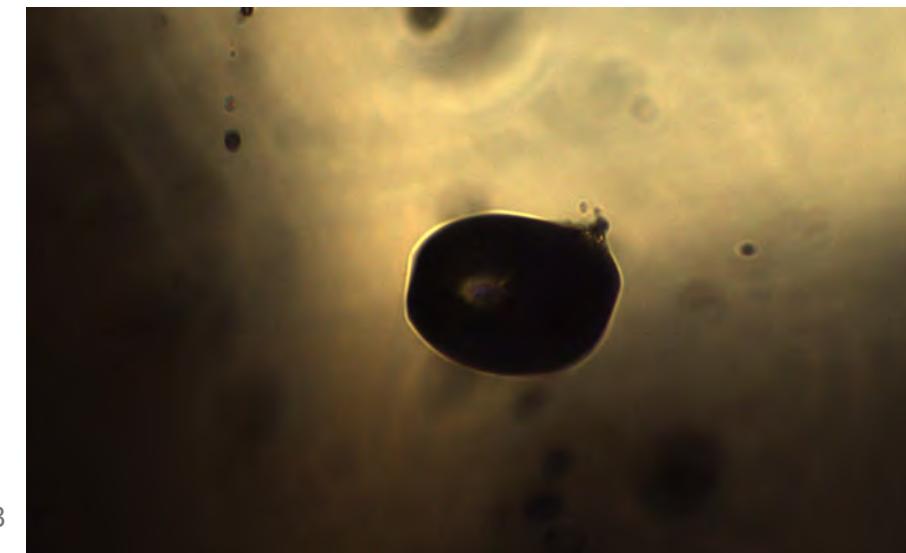
	Filename	Mag	Width (µm)	Height (µm)
13	41 MLP_39_FIA.txt	50	223.221	139.513



	Filename	Mag	Width (µm)	Height (µm)
14	42 MLP_39_FIB.txt	50	223.221	139.513



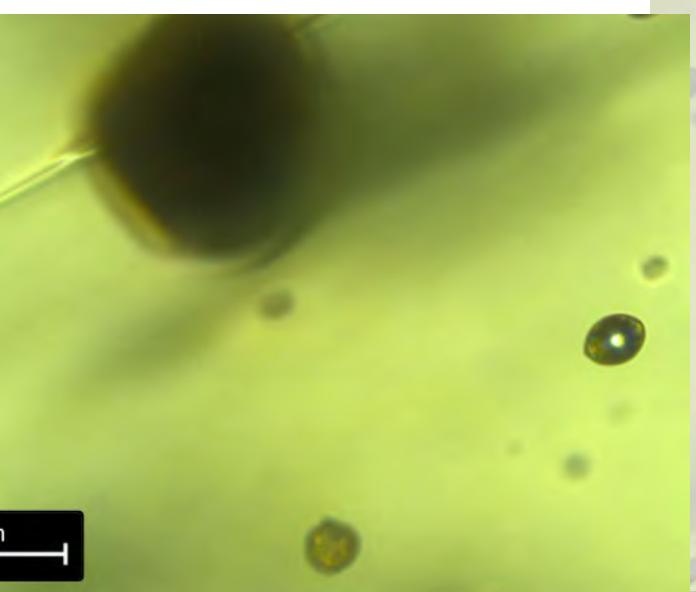
	Filename	Mag	Width (µm)	Height (µm)
15	44 MLP_39_FIC.txt	50	223.221	139.513



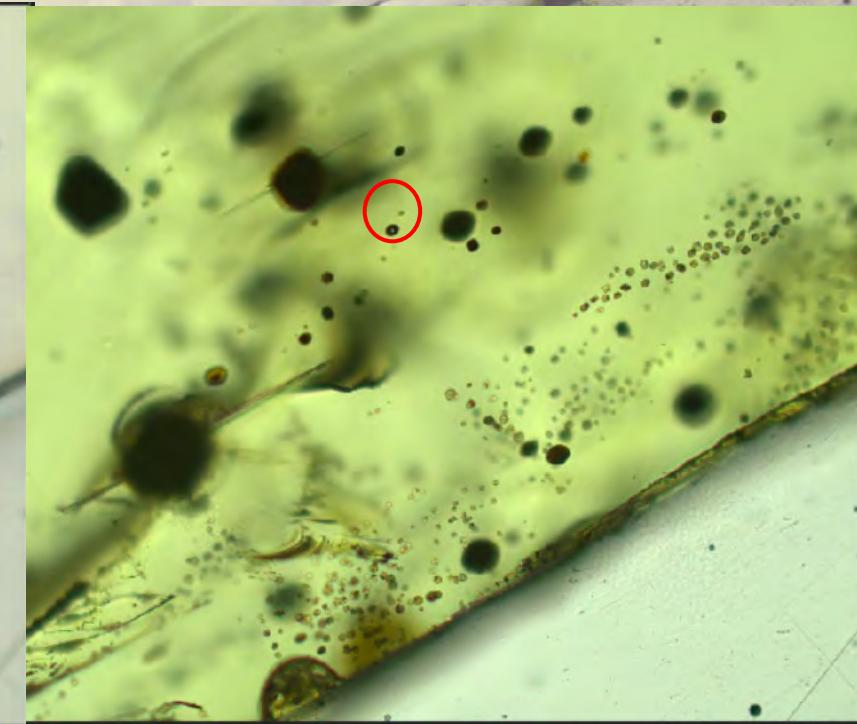
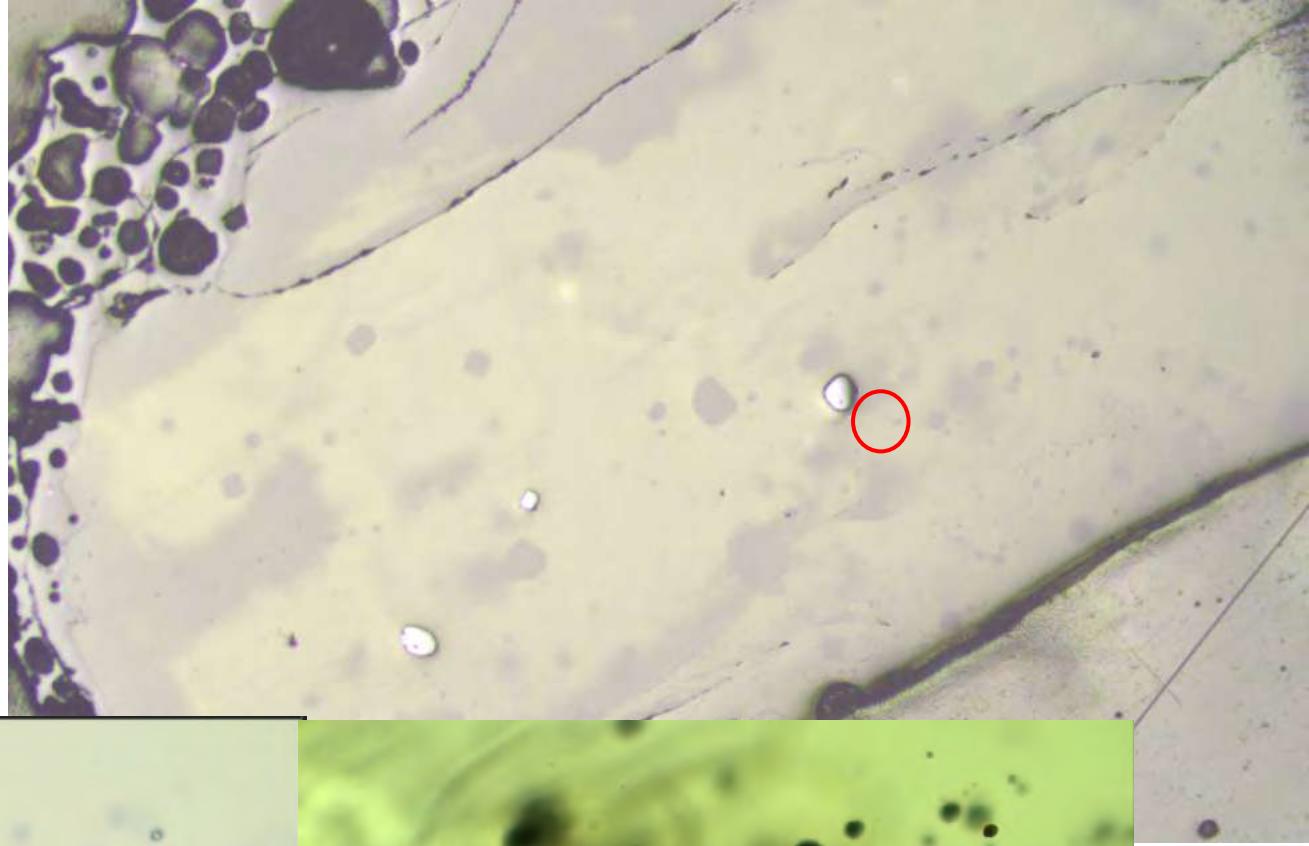
14th Aug 2023



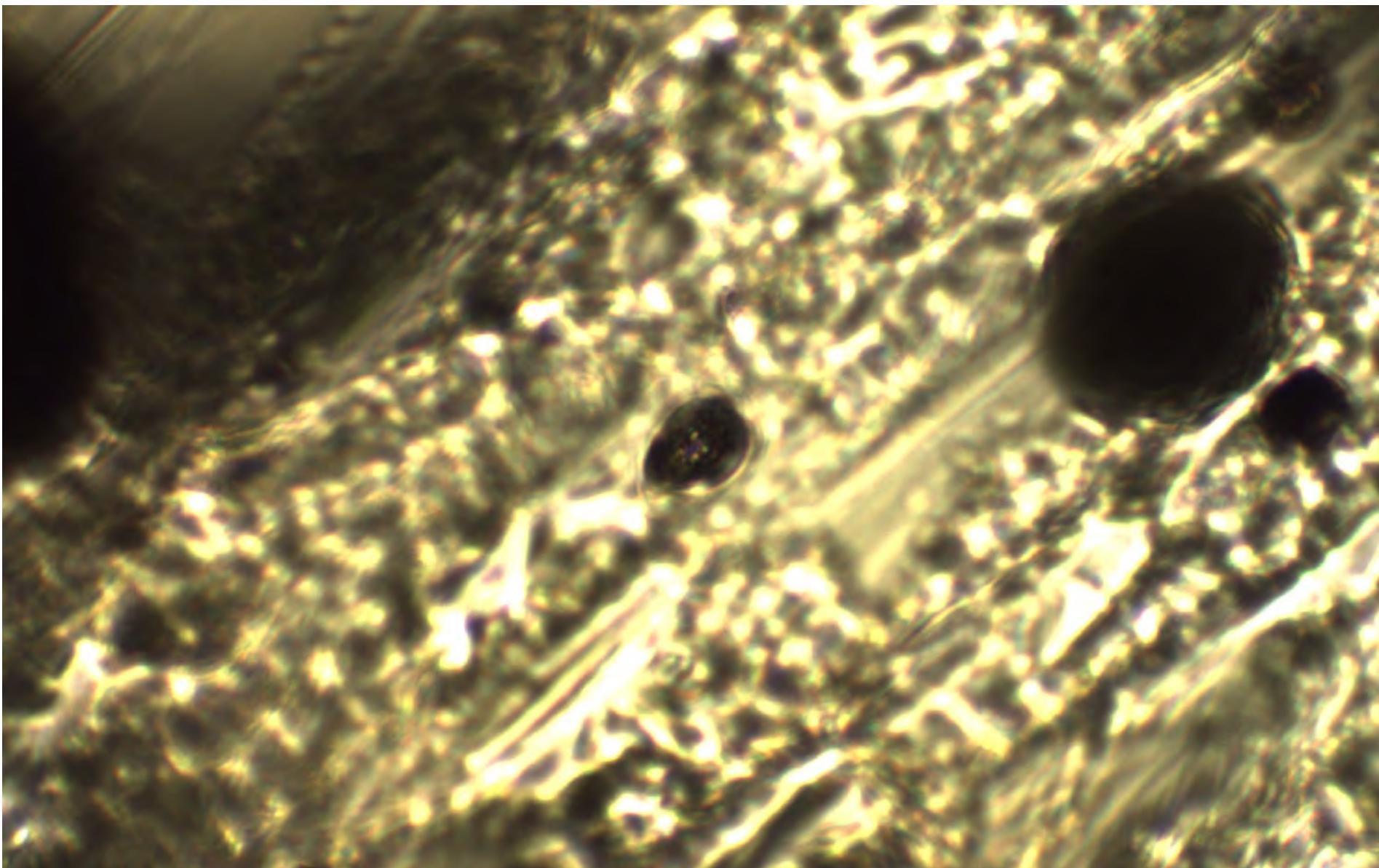
MLP\_46\_FIA



MLC\_MaunaLoa\_FIs

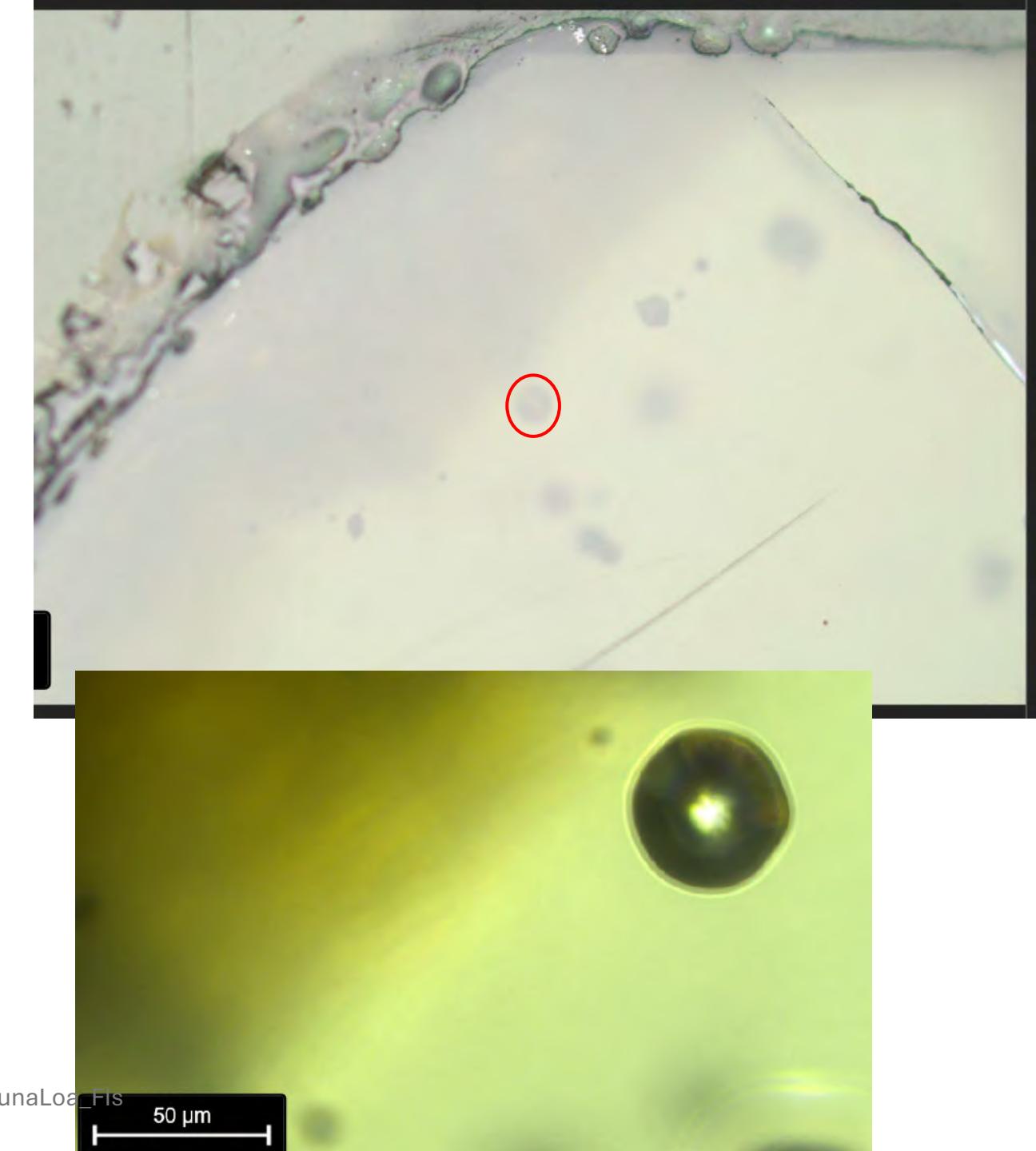
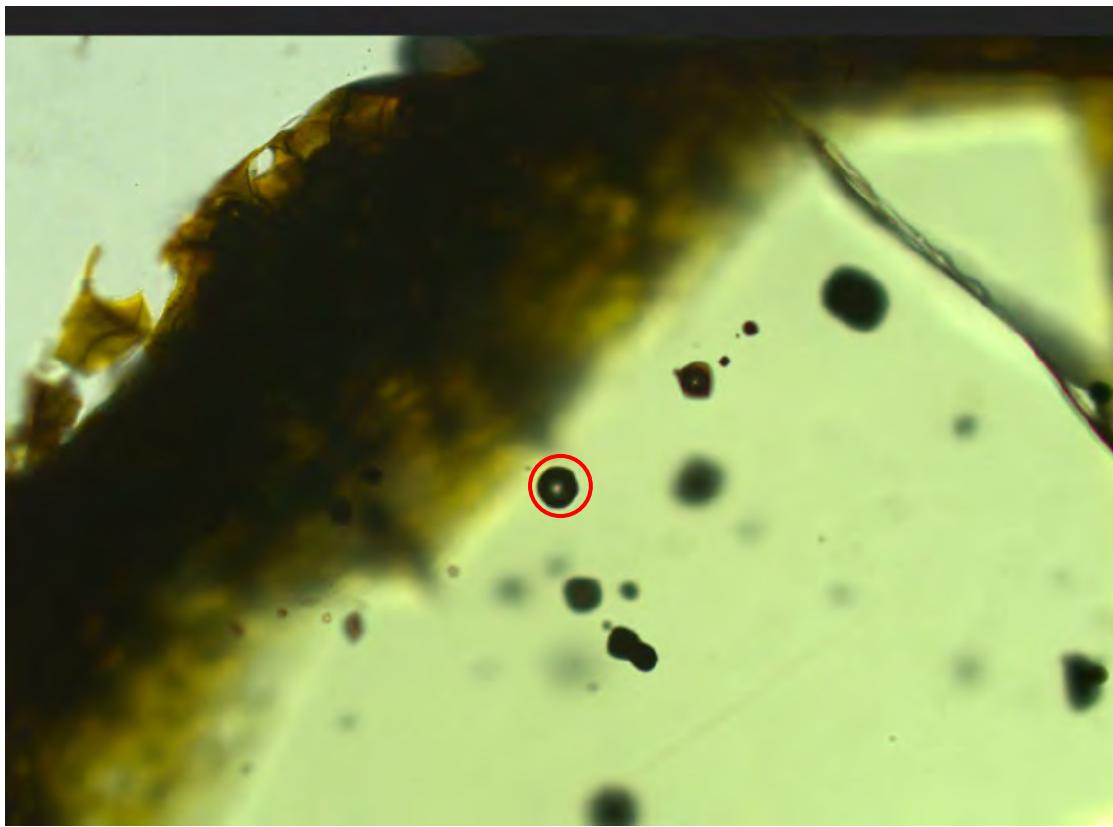


	Filename	Mag	Width (µm)	Height (µm)
16	47 MLP_46_FIA.txt	50	223.221	139.513





MLP\_47\_FIA

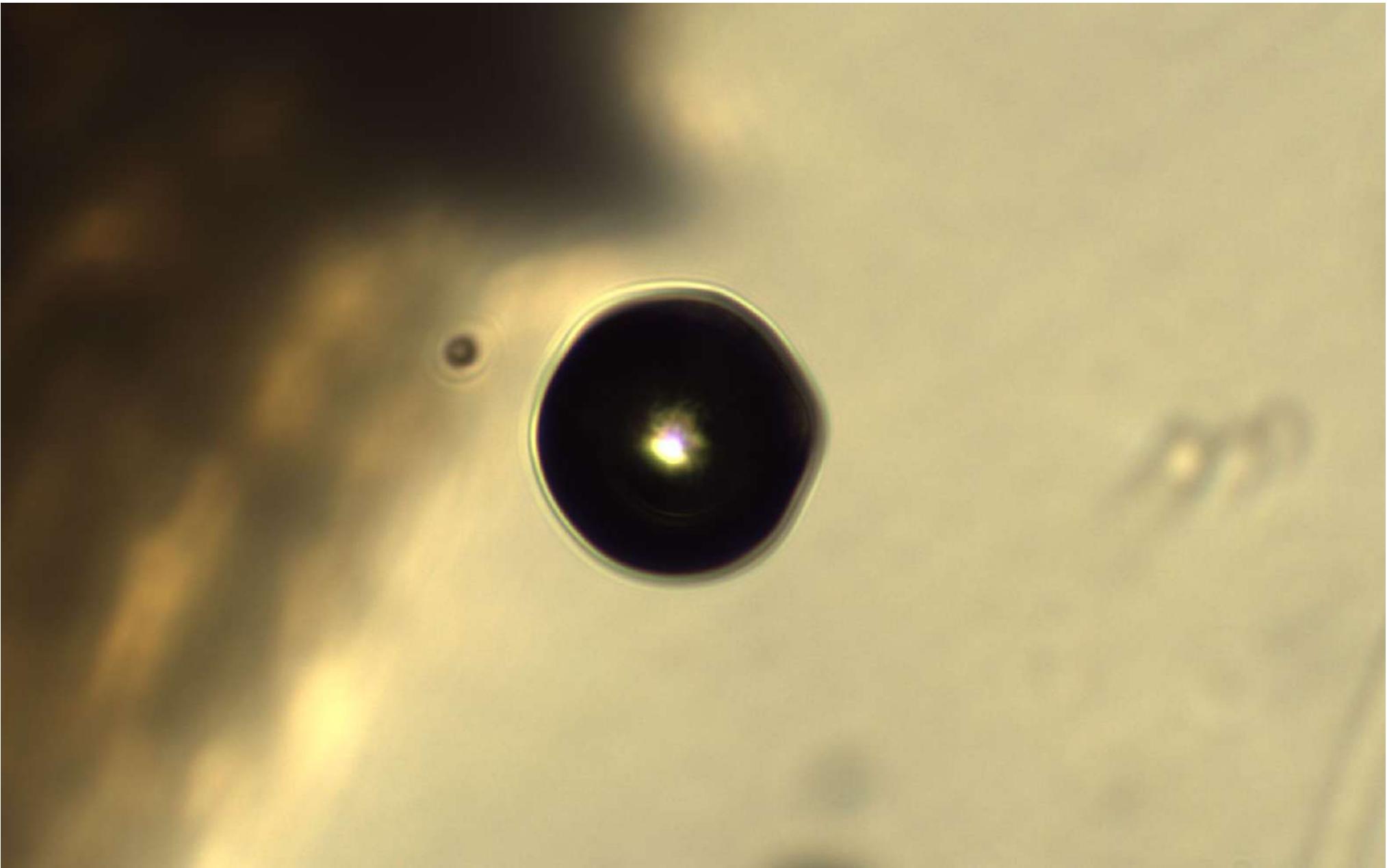


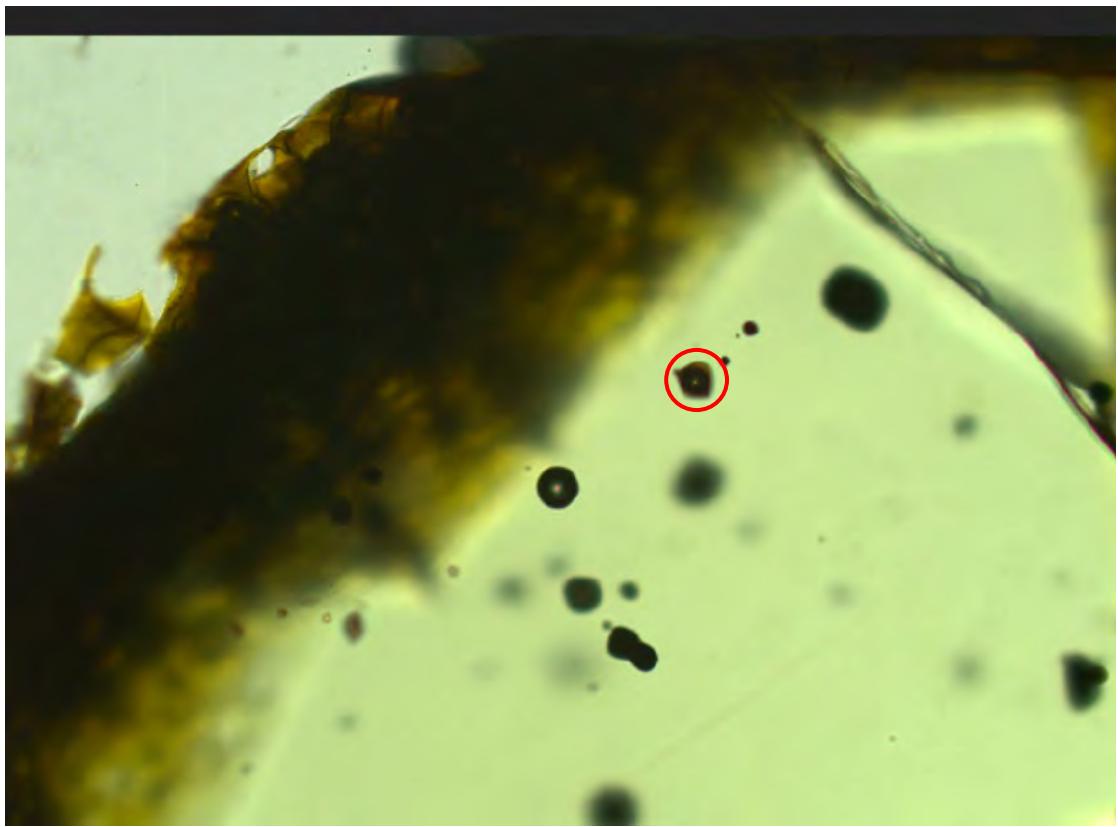
MLC\_MaunaLoa\_Fls

50 µm

	Filename	Mag	Width (µm)	Height (µm)
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17	49 MLP_47_FIA.txt	50	223.221	139.513
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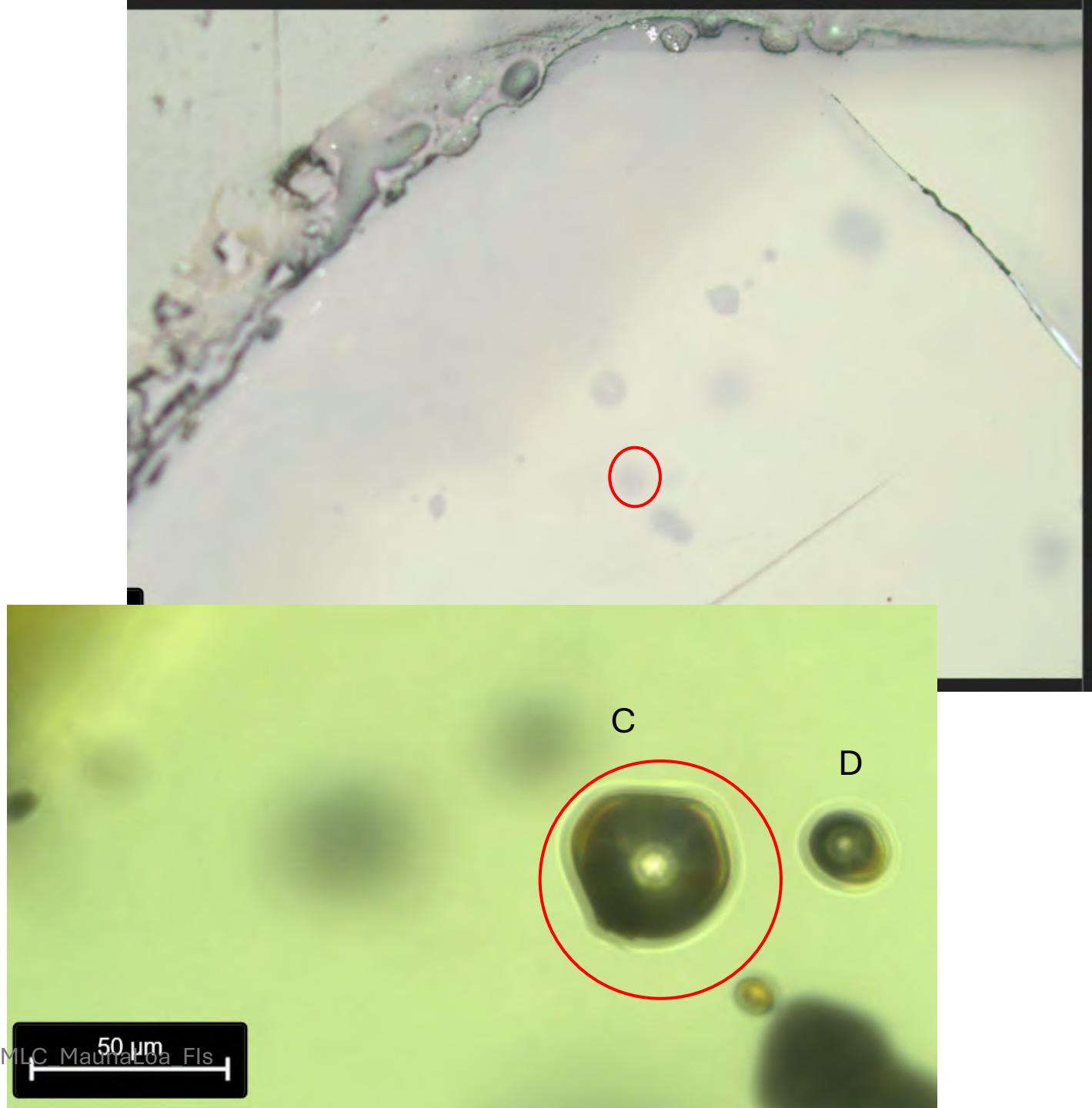
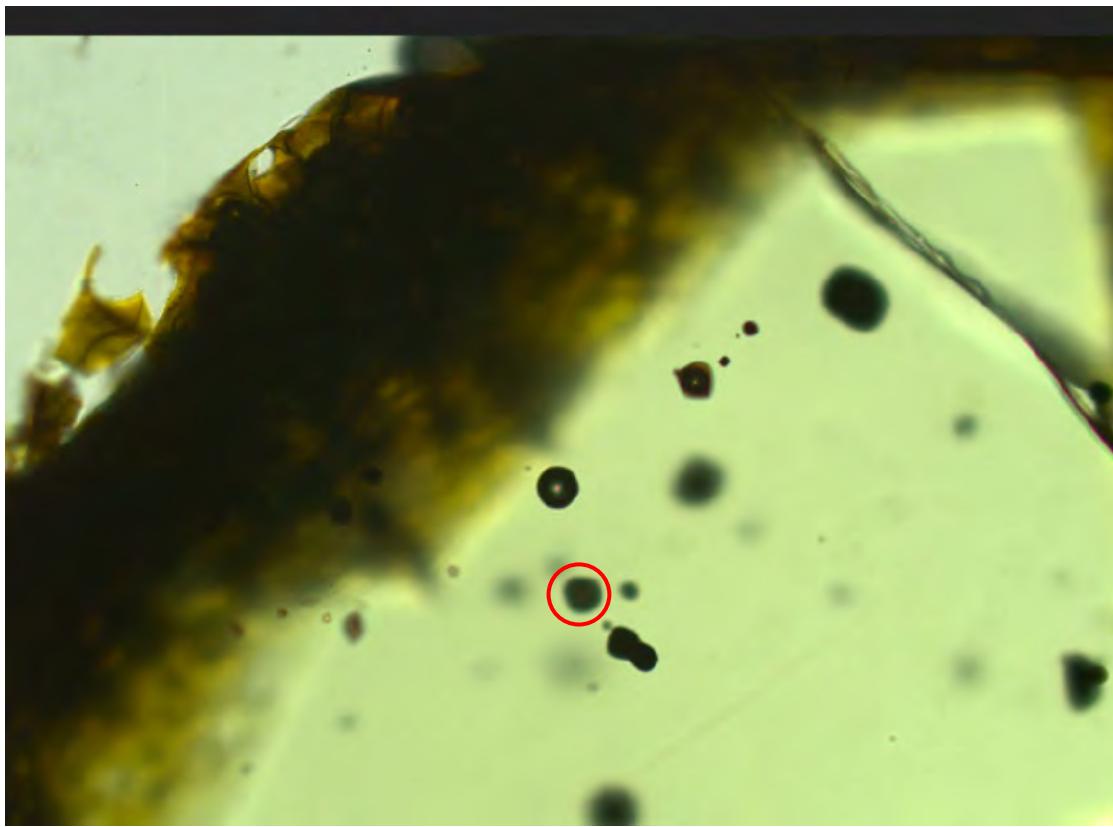


MLC\_MaunaLoa\_FIs

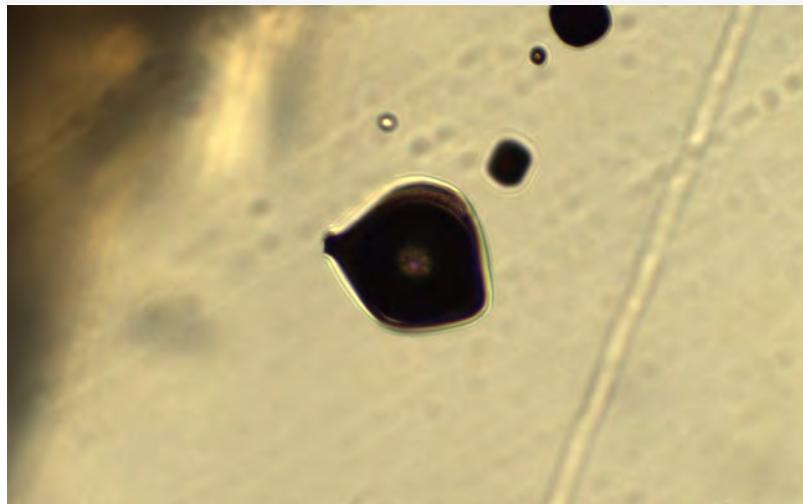
50  $\mu\text{m}$



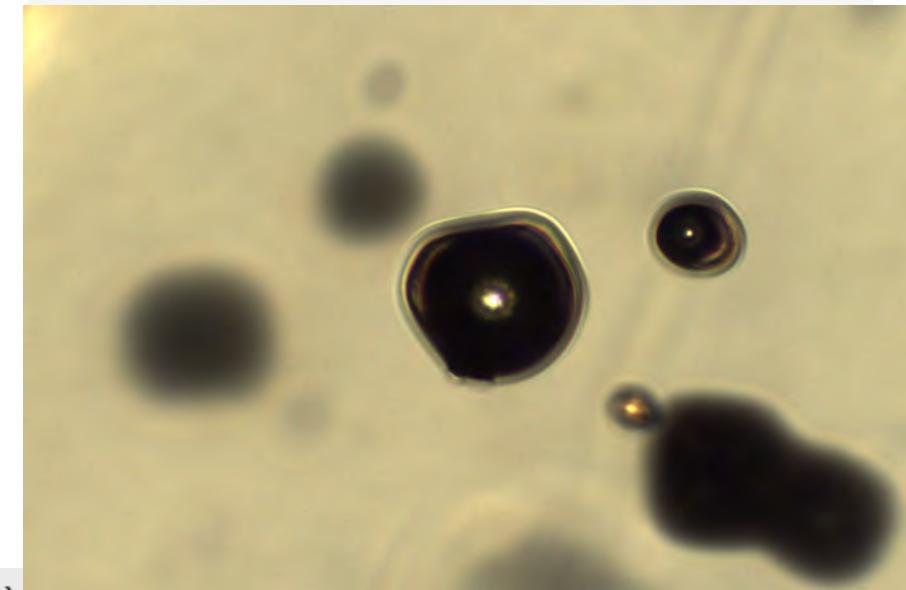
MLP\_47\_FIC  
PW: Also FID



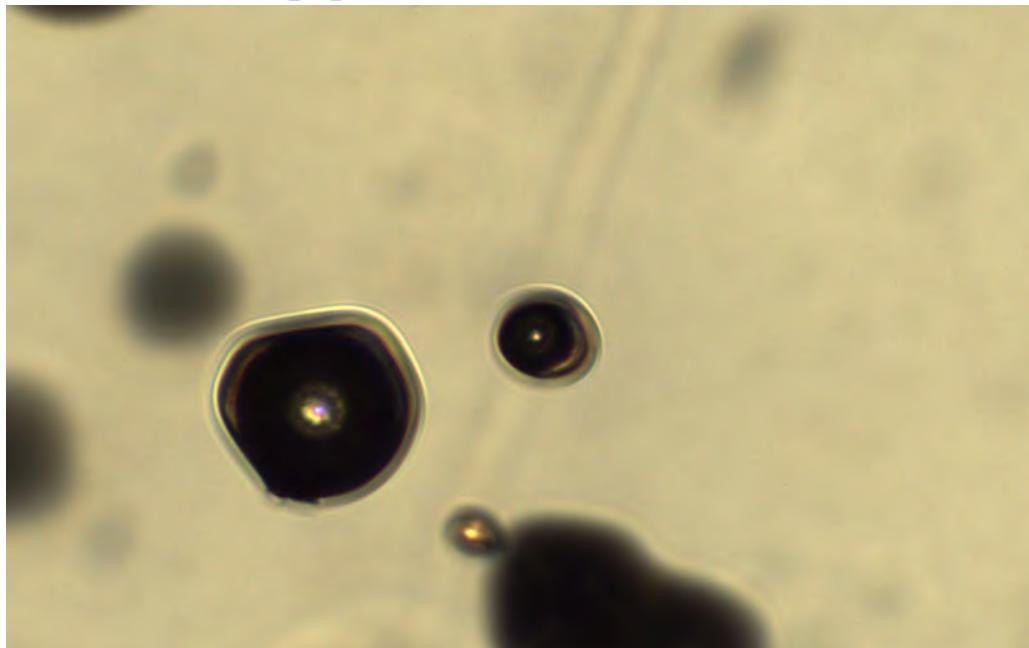
	Filename	Mag	Width (μm)	Height (μm)
18	51 MLP_47_FIB.txt	50	223.221	139.513



	Filename	Mag	Width (μm)	Height (μm)
19	53 MLP_47_FIC.txt	50	223.221	139.513

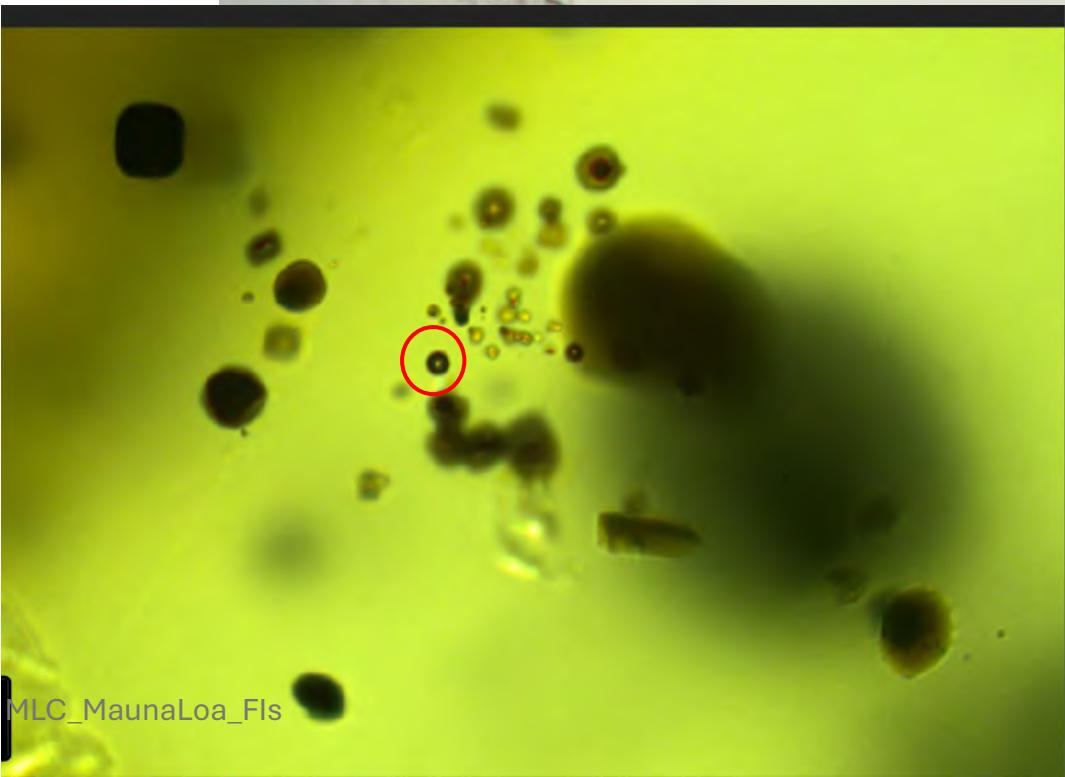


	Filename	Mag	Width (μm)	Height (μm)
20	55 MLP_47_FID.txt	50	223.221	139.513



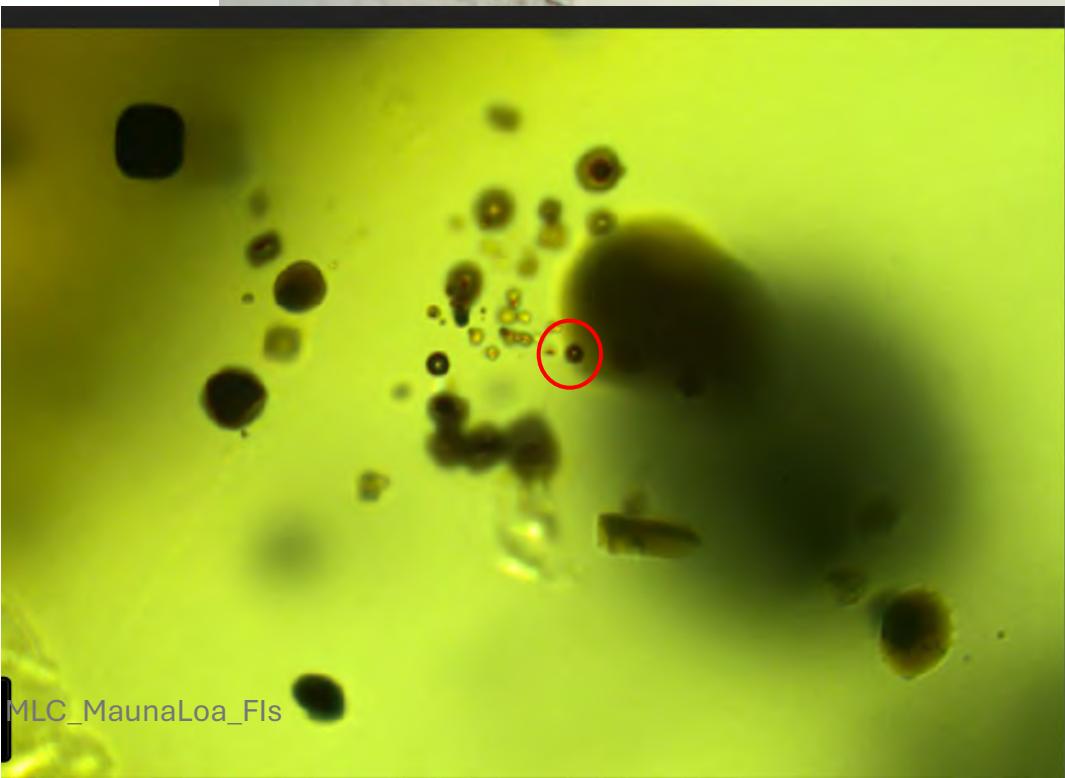


MLP\_48\_FIA



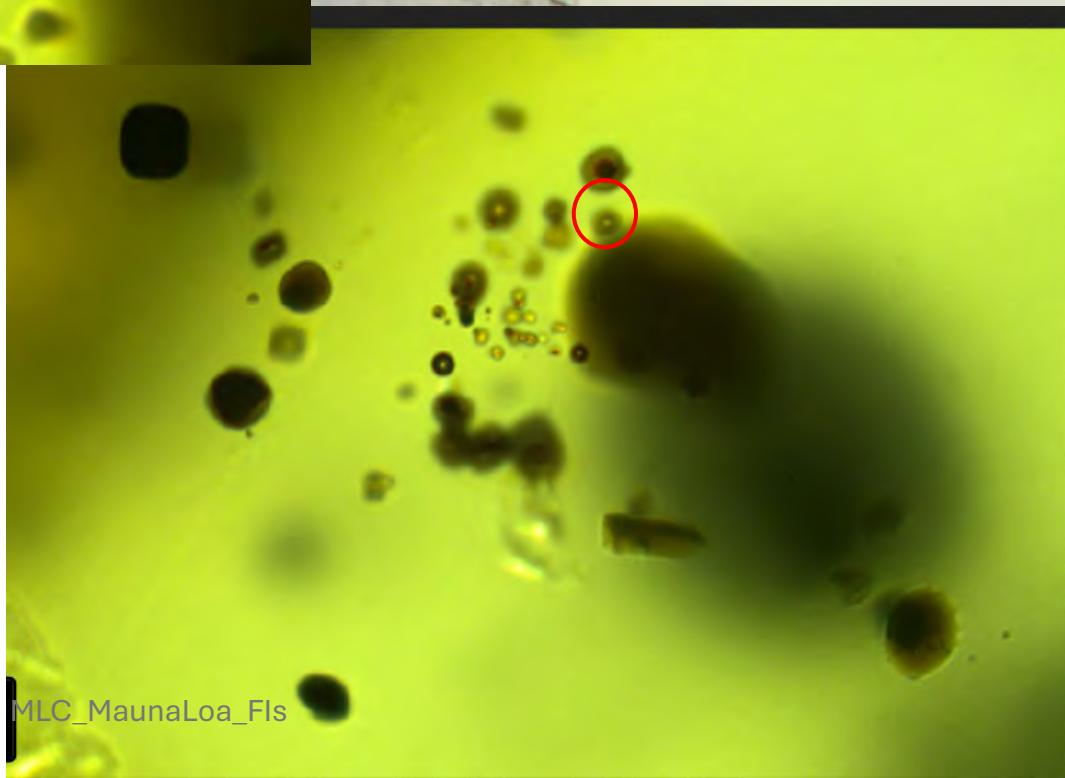
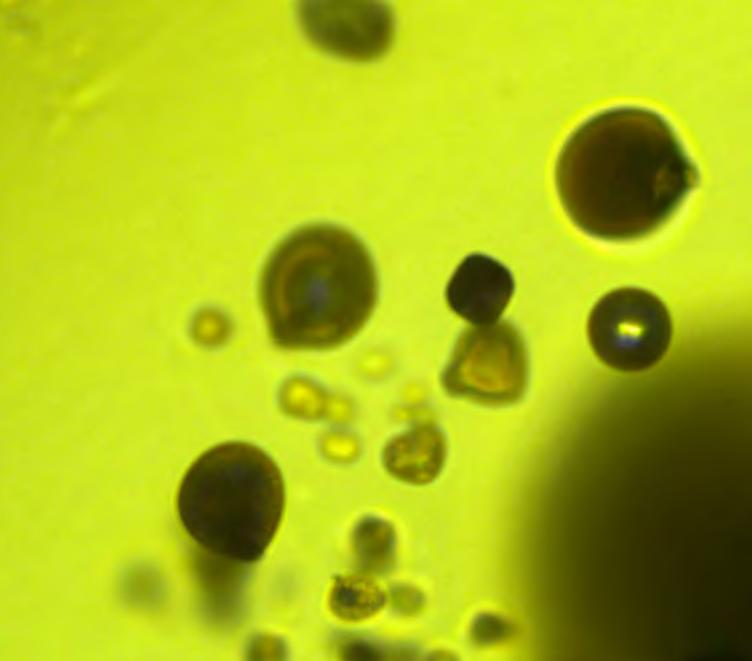
MLC\_MaunaLoa\_FIs



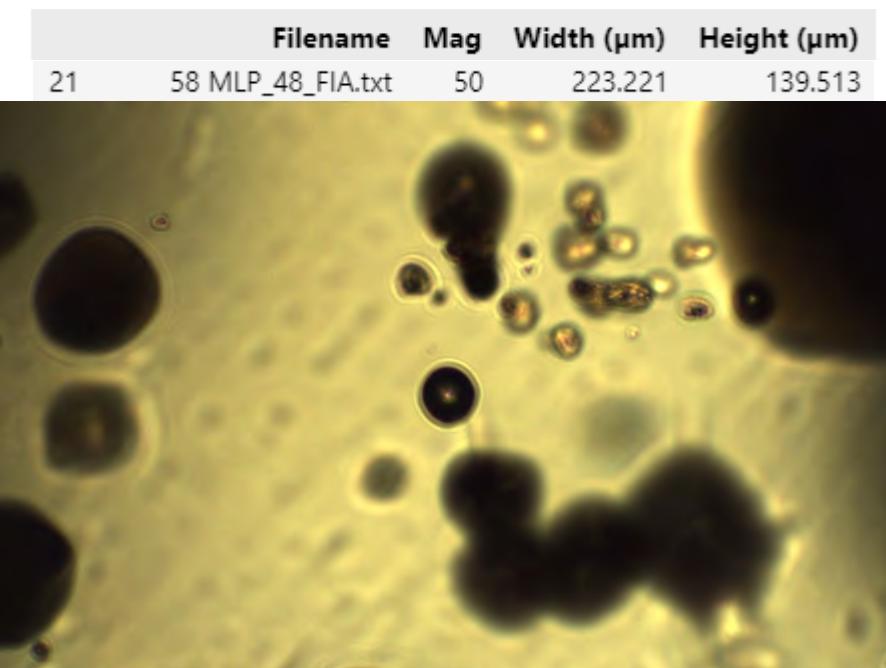




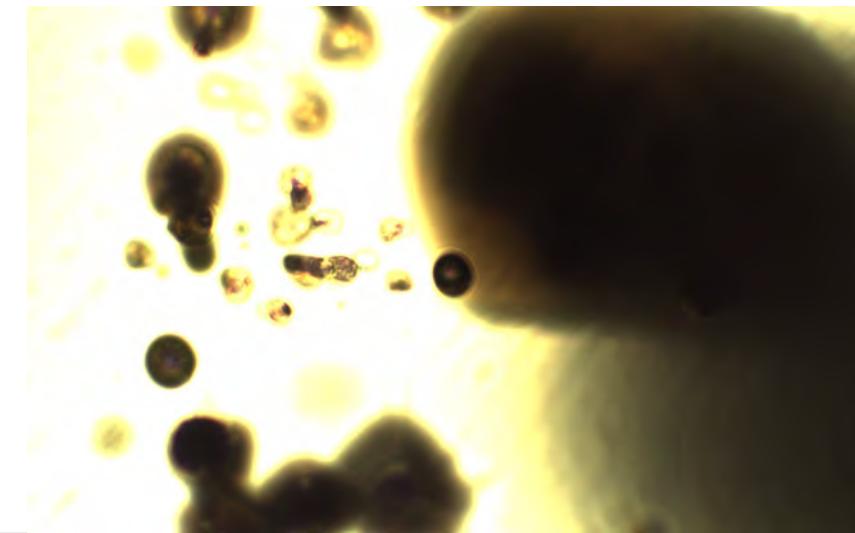
MLP\_48\_FIC



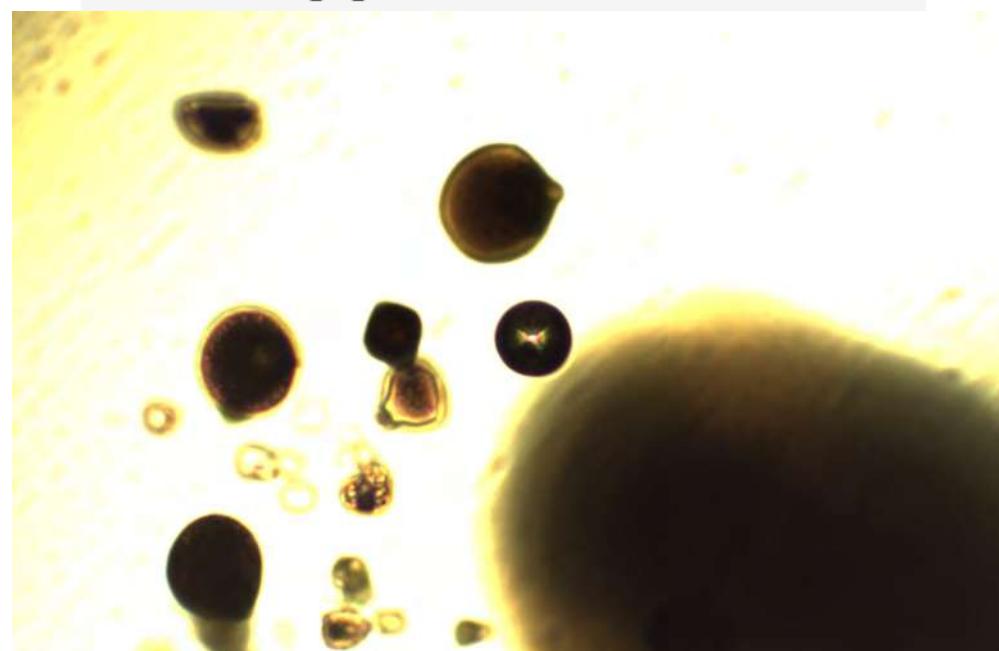
MLC\_MaunaLoa\_FIs



	Filename	Mag	Width (µm)	Height (µm)
22	60 MLP_48_FIB.txt	50	223.221	139.513

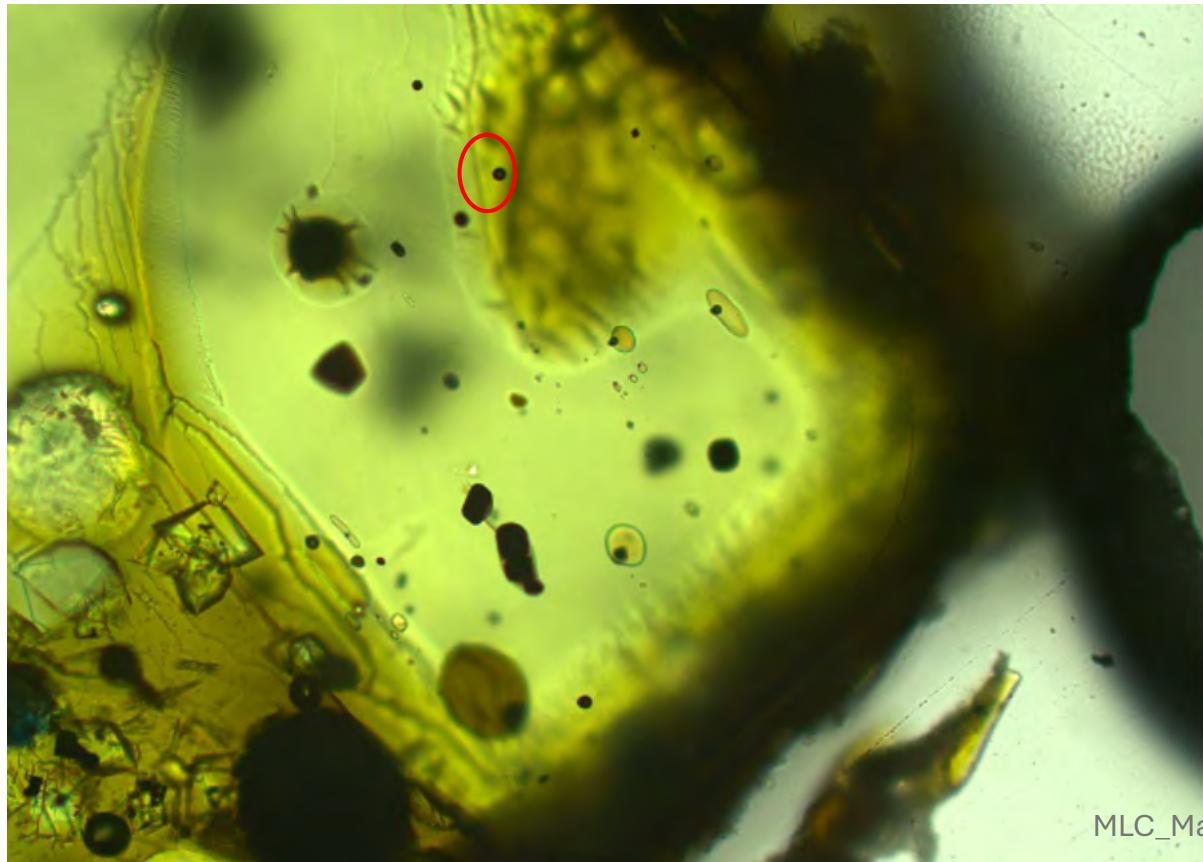


	Filename	Mag	Width (µm)	Height (µm)
23	62 MLP_48_FIC.txt	50	223.221	139.513

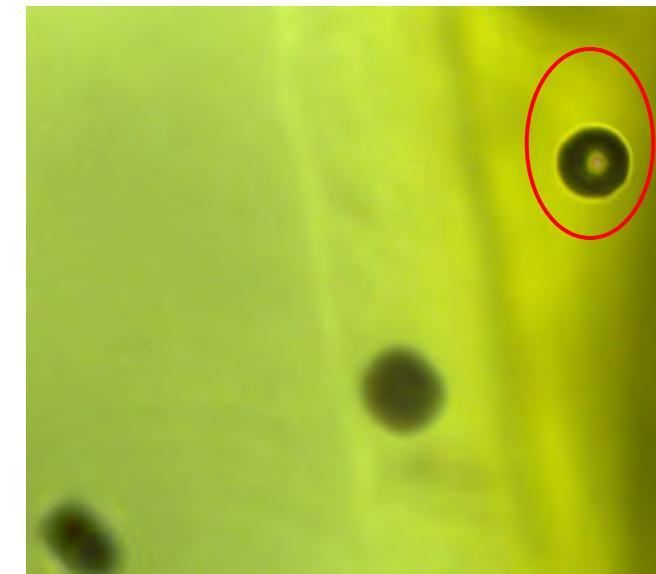




MLP\_49\_FIA

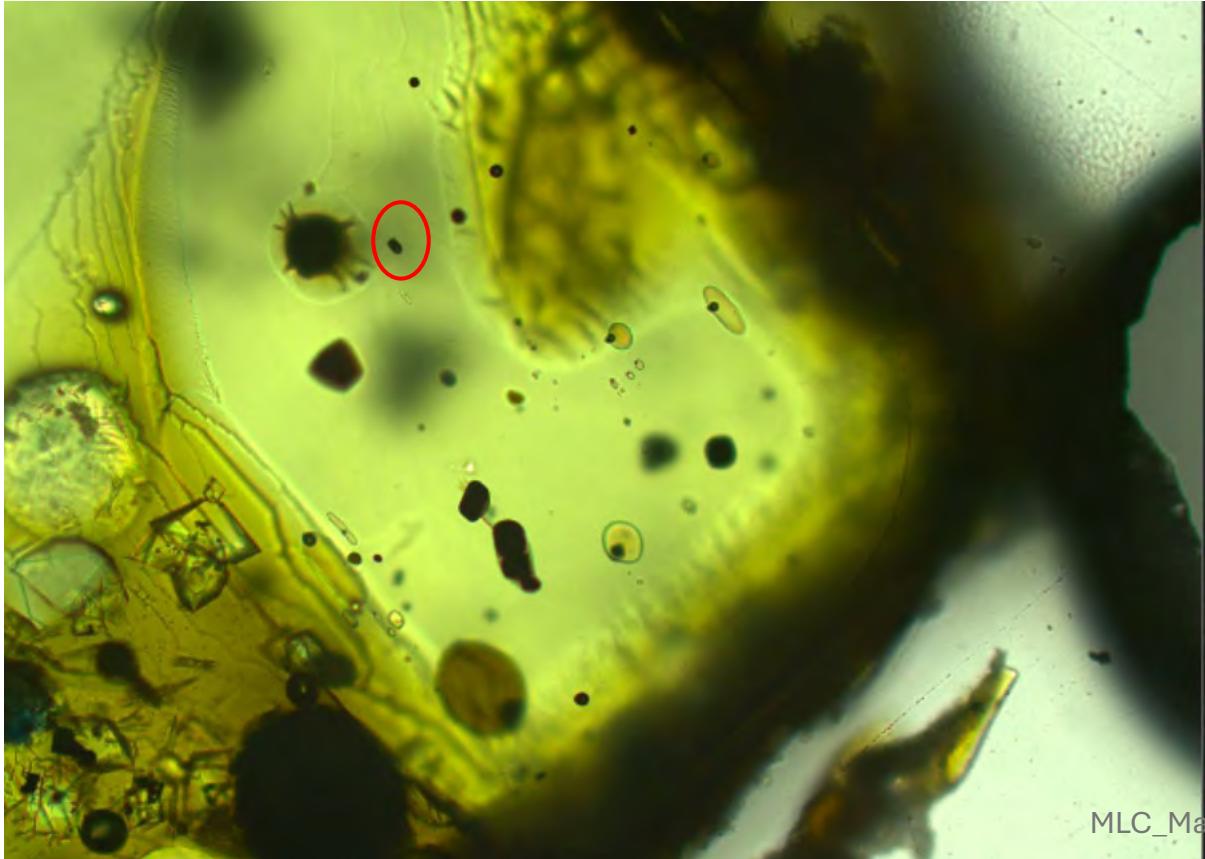


MLC\_MaunaLoa\_FIs





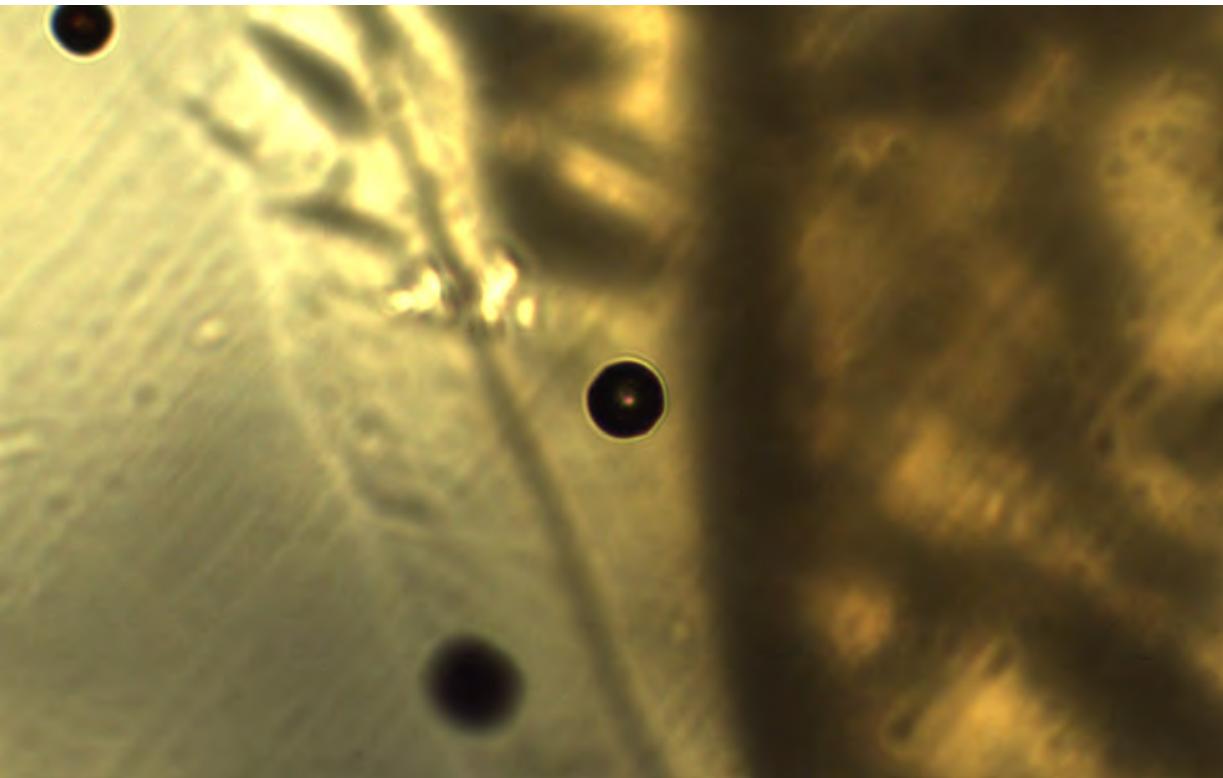
MLP\_49\_FIB



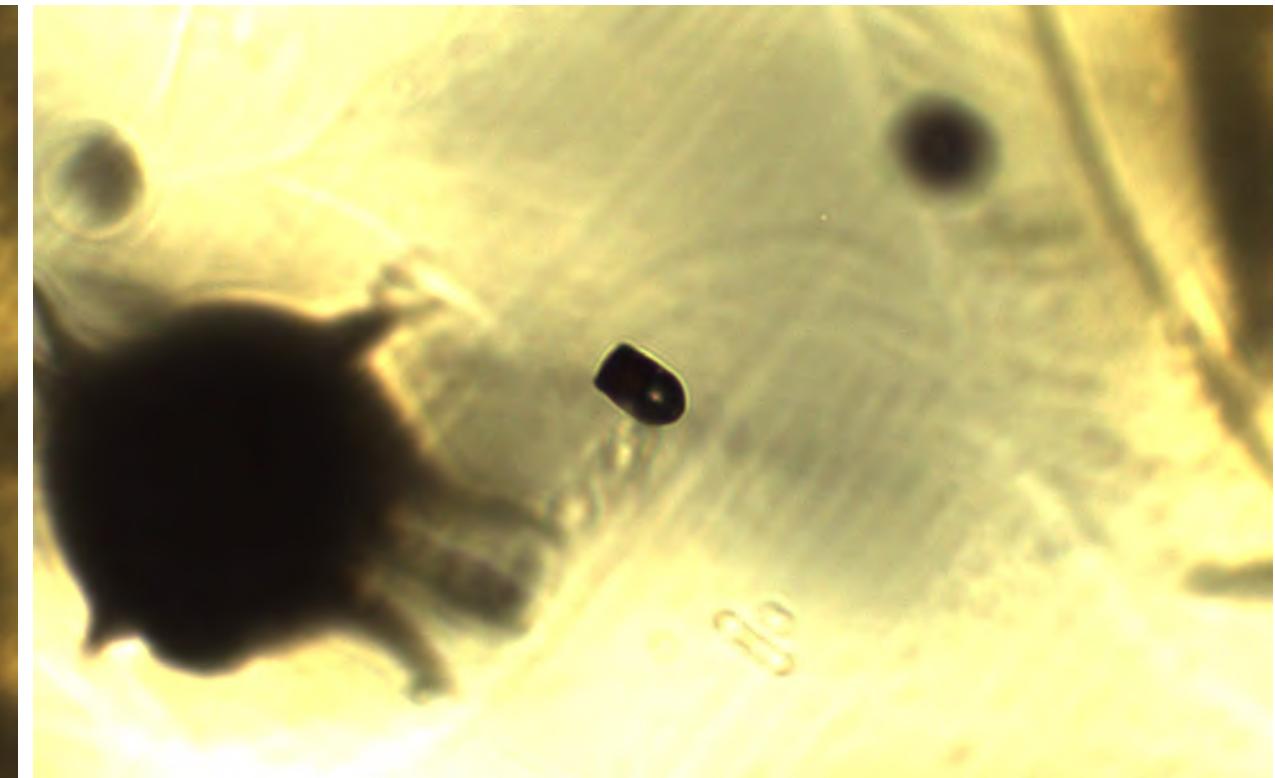
MLC\_MaunaLoa\_FIs



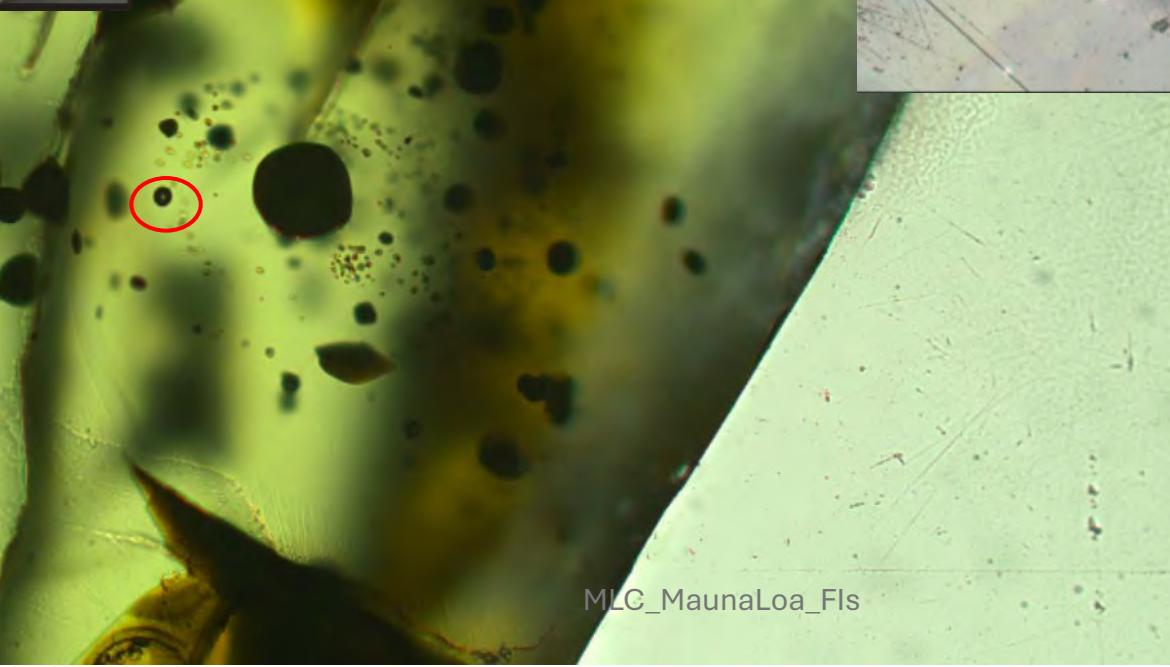
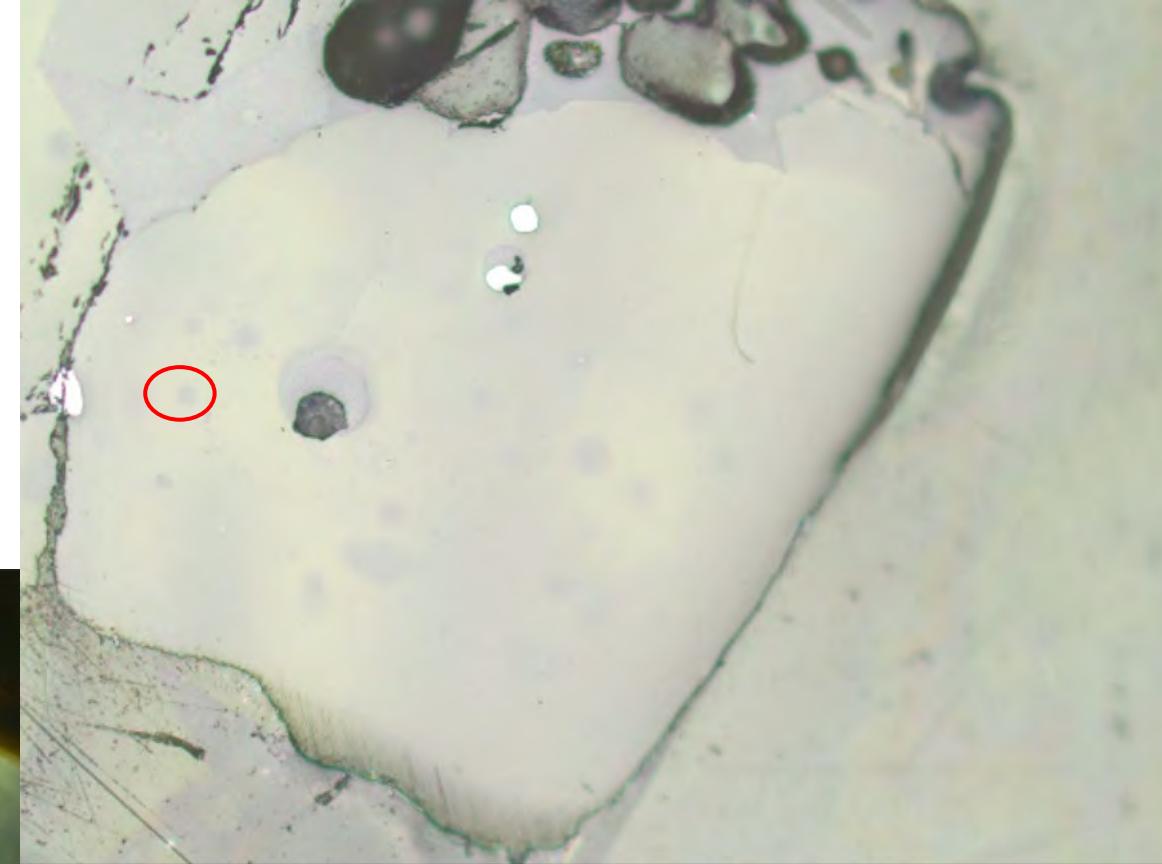
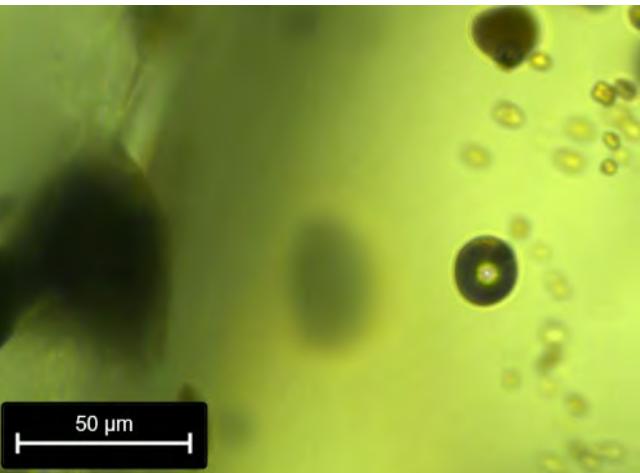
	Filename	Mag	Width (µm)	Height (µm)
24	66 MLP 49 FIA.txt	50	223.221	139.513



	Filename	Mag	Width (µm)	Height (µm)
25	68 MLP_49_FIB.txt	50	223.221	139.513

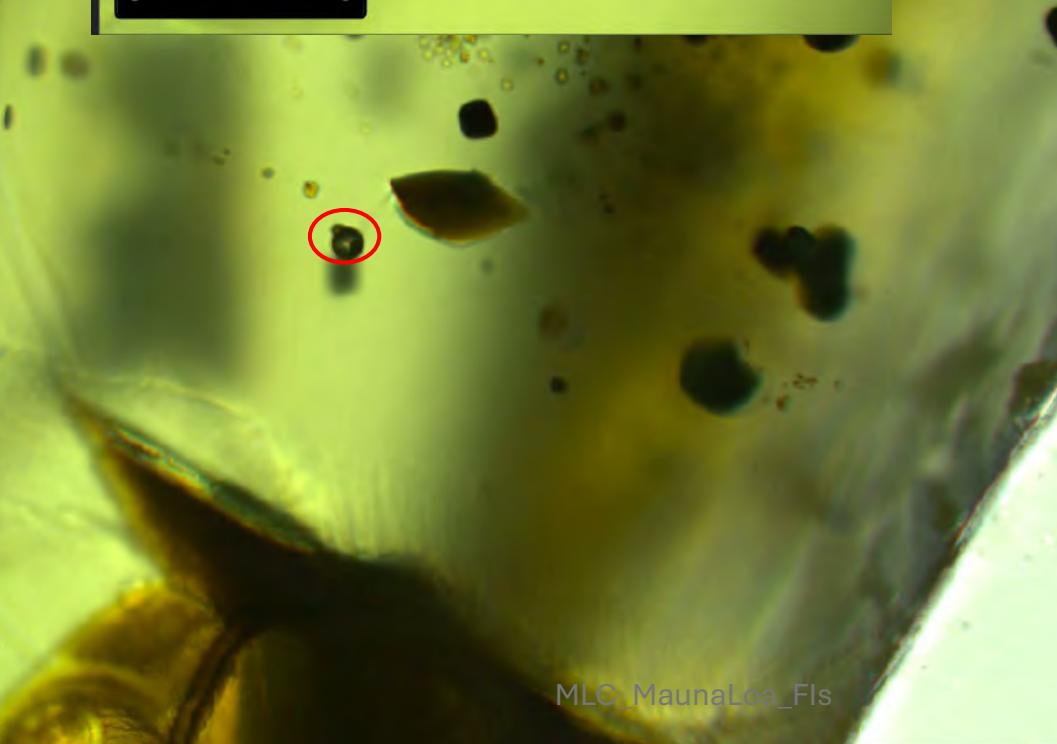
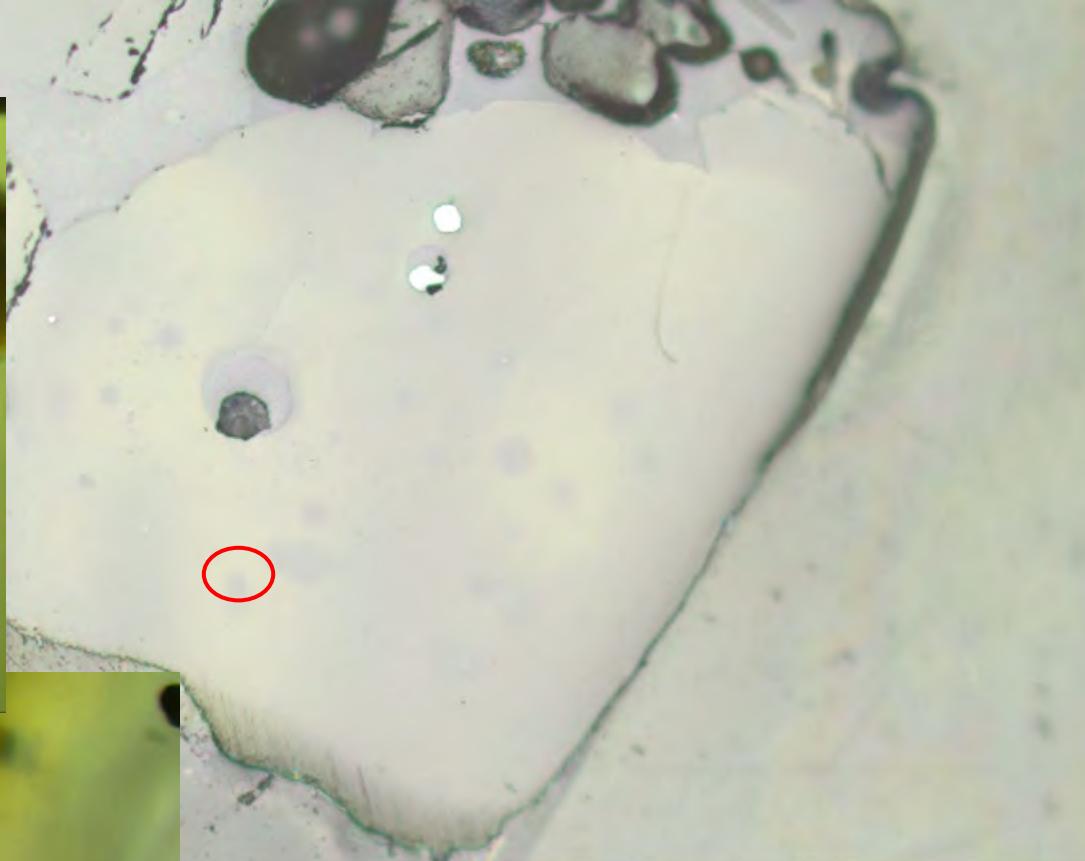
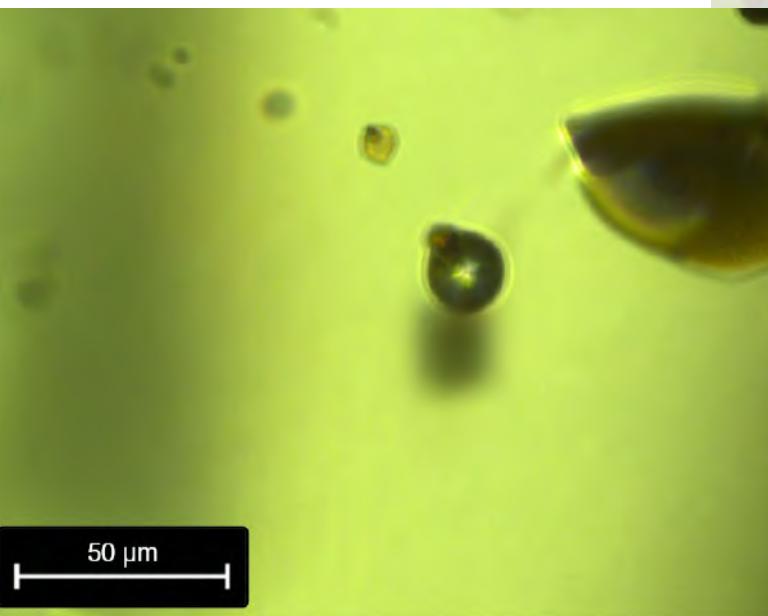


**MLP\_50\_FIA**



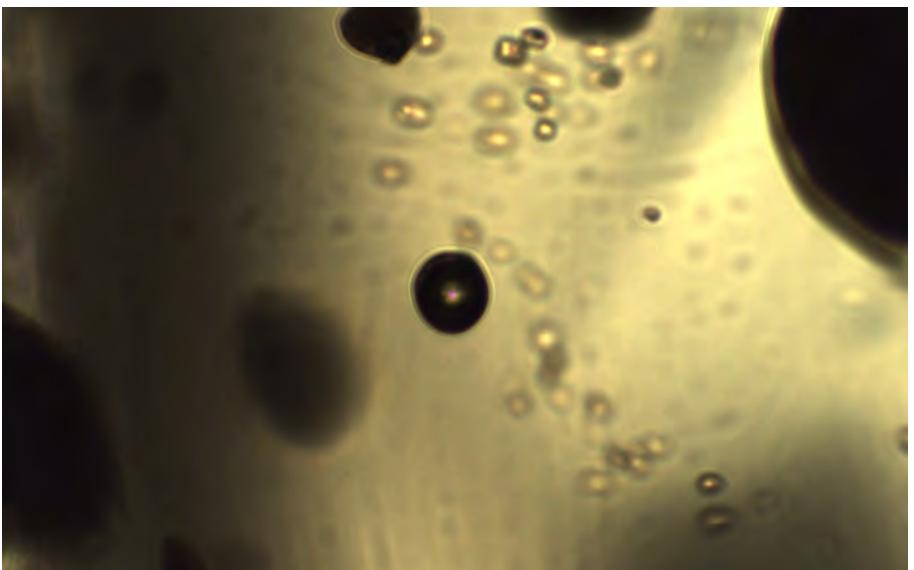
**MLC\_MaunaLoa\_FIs**

**MLP\_50\_FIB**

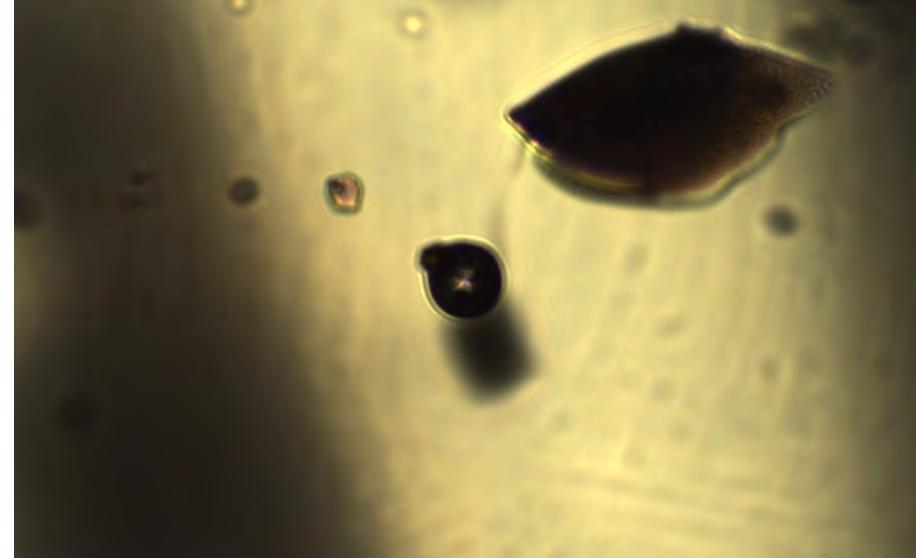


**MLC\_MaunaLoa\_FIs**

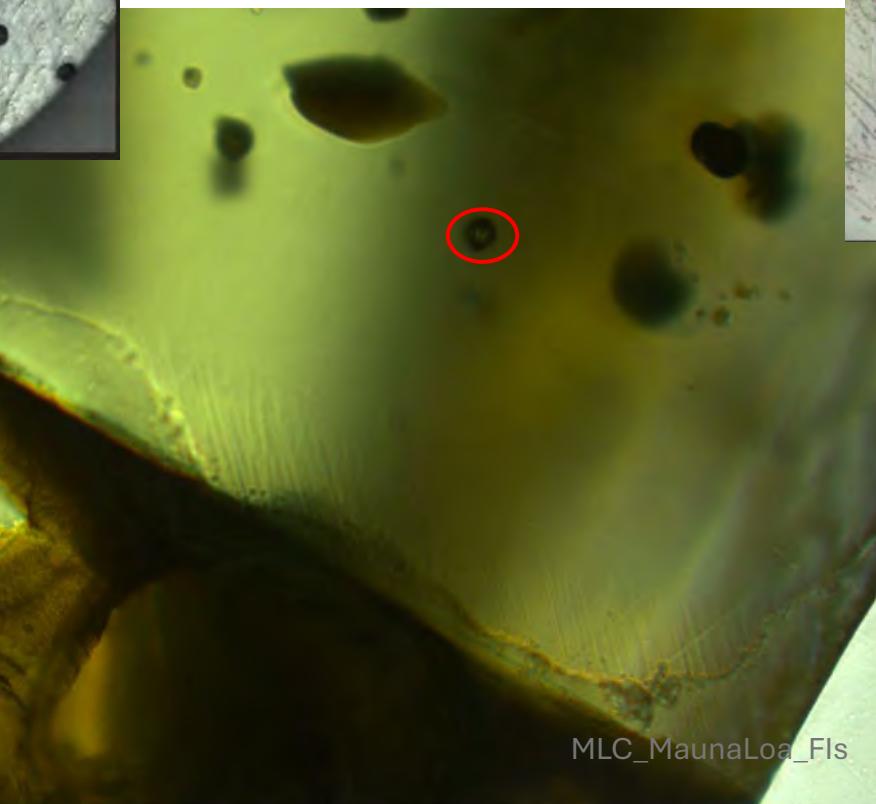
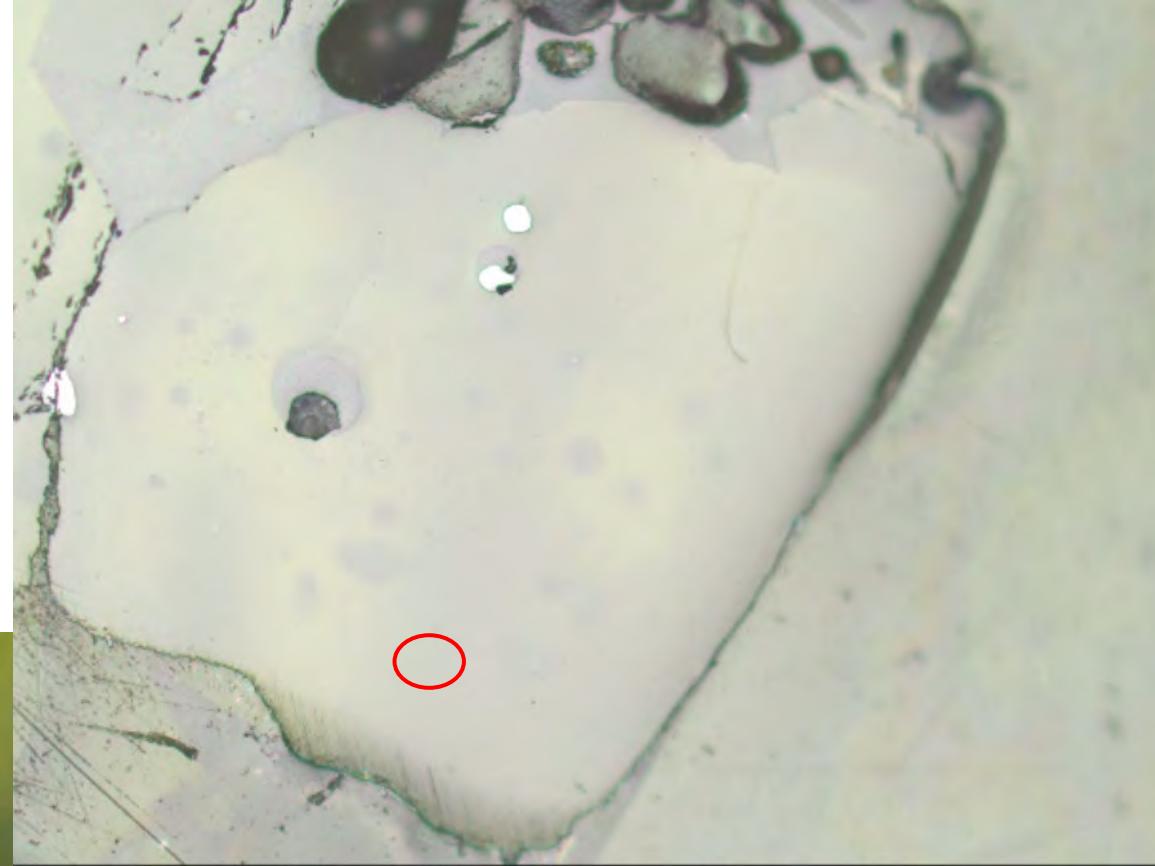
	Filename	Mag	Width (µm)	Height (µm)
26	71 MLP_50_FIA.txt	50	223.221	139.513



	Filename	Mag	Width (µm)	Height (µm)
27	73 MLP_50_FIB.txt	50	223.221	139.513



**MLP\_50\_FIC**



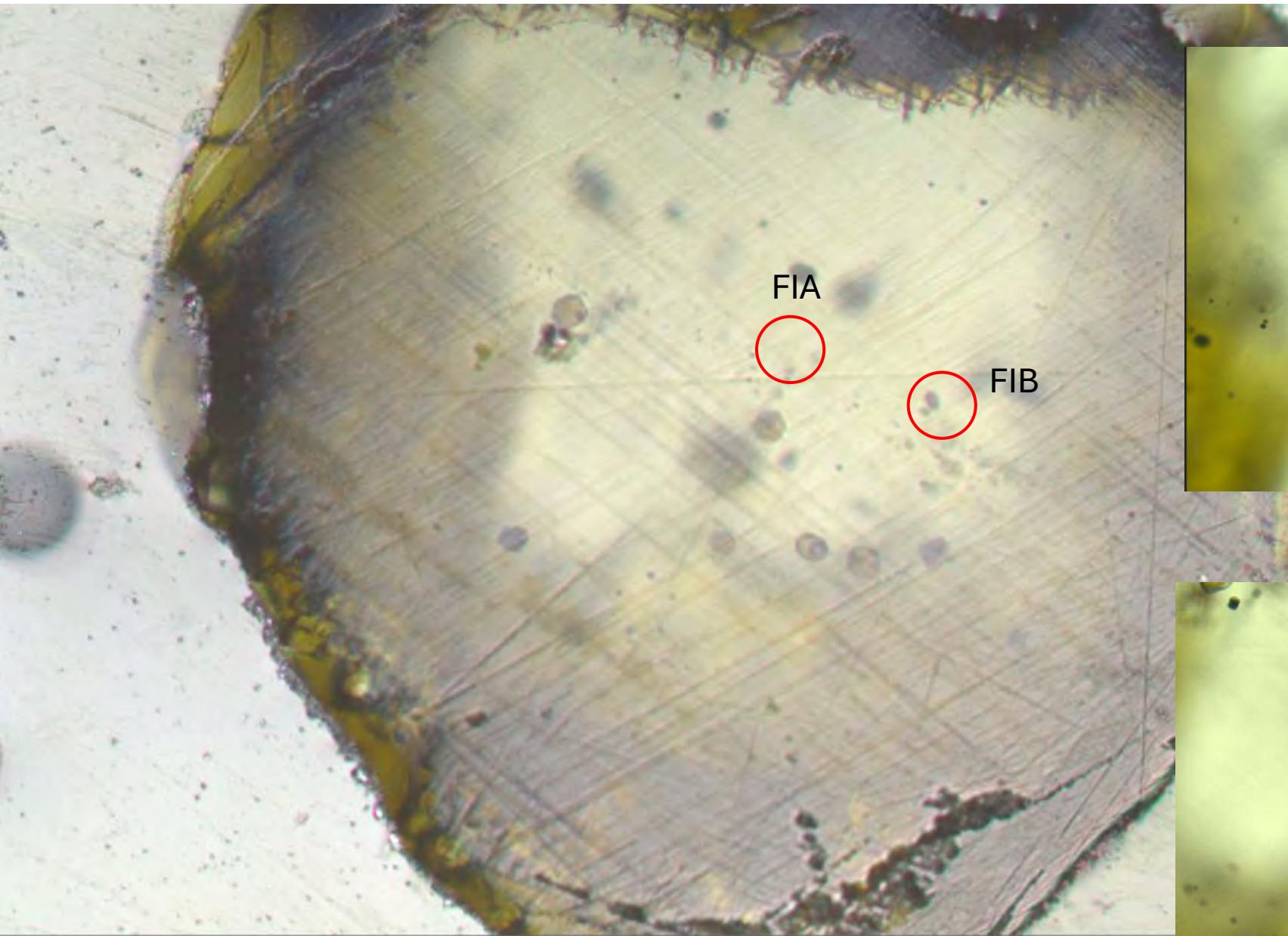
**MLC\_MaunaLoa\_FIs**

50  $\mu\text{m}$

# Folder: 02\_07\_2024\_1950AD

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

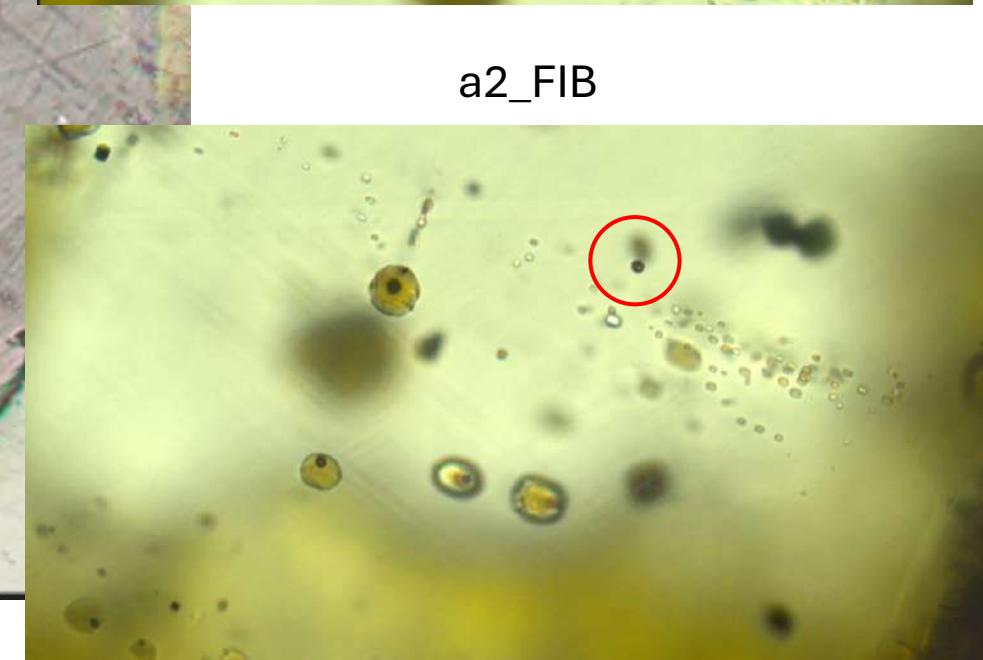
M58\_c1\_a1\_FIA



A1\_FIA



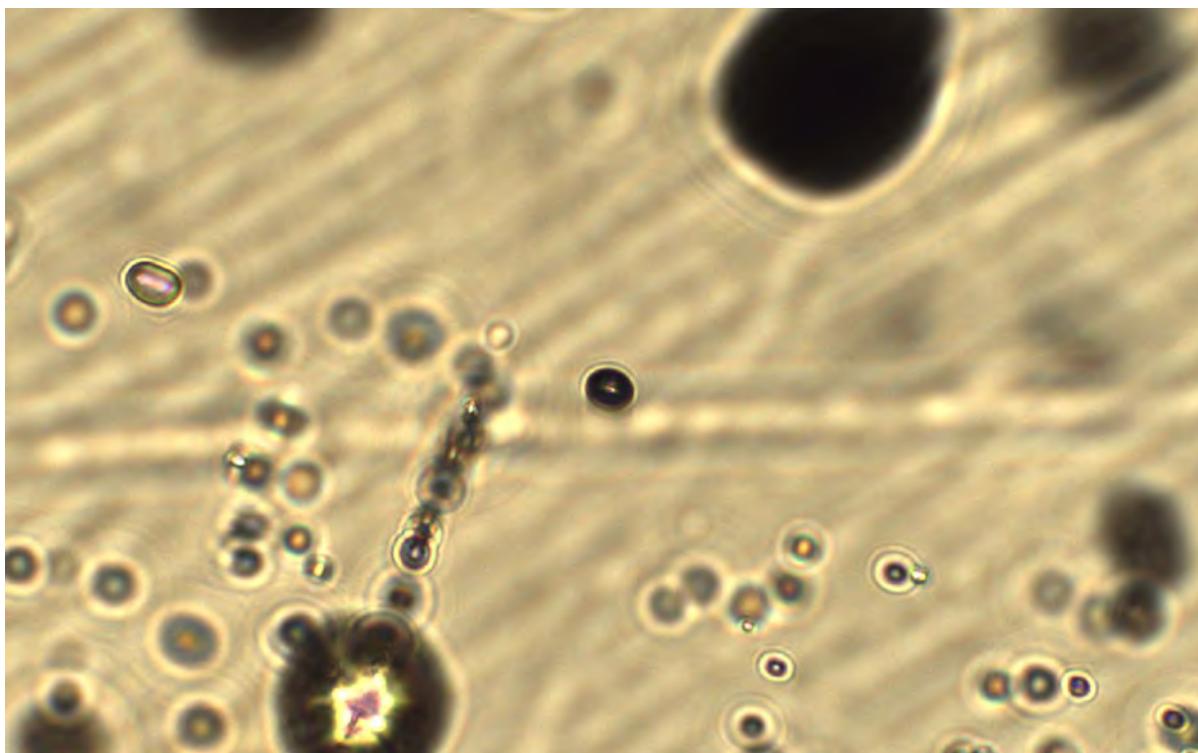
a2\_FIB



July 2nd, 2024 - 1950 AD

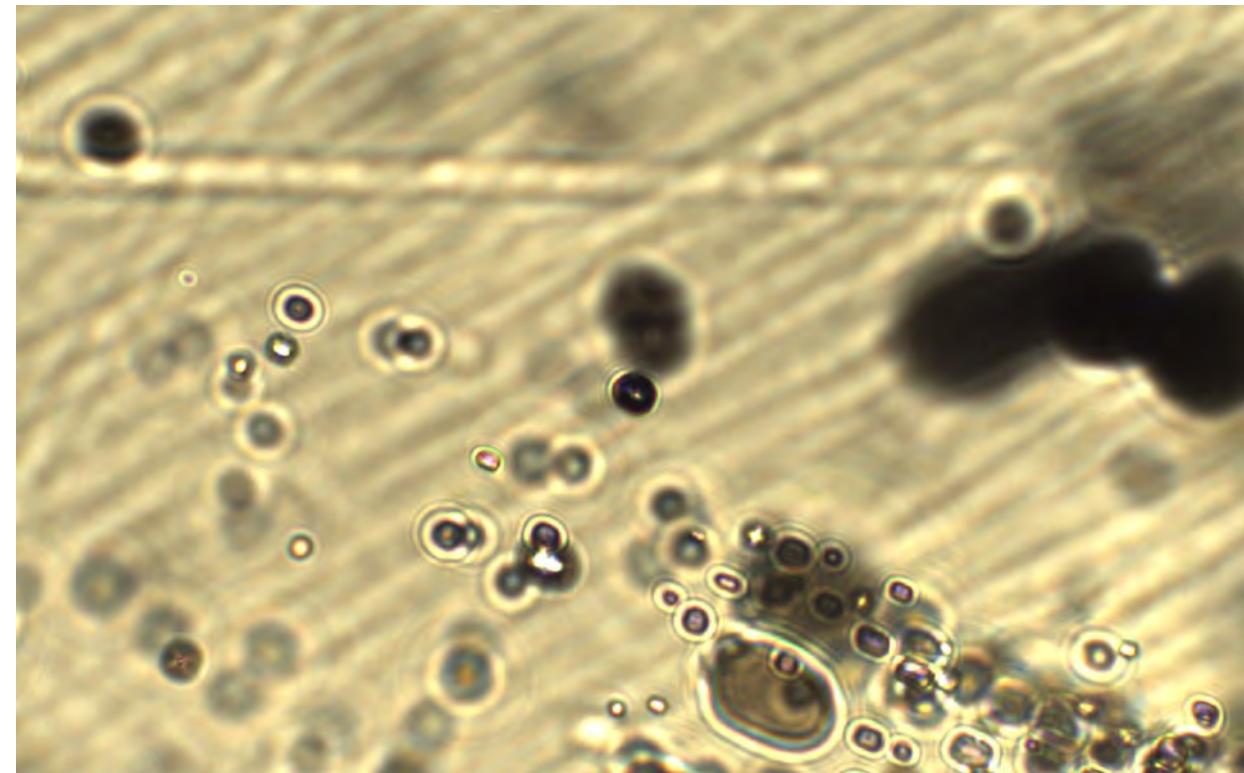
M58\_c1\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
3	09 M58_c1_a1_FIA_50X.txt	50	224.607	140.379

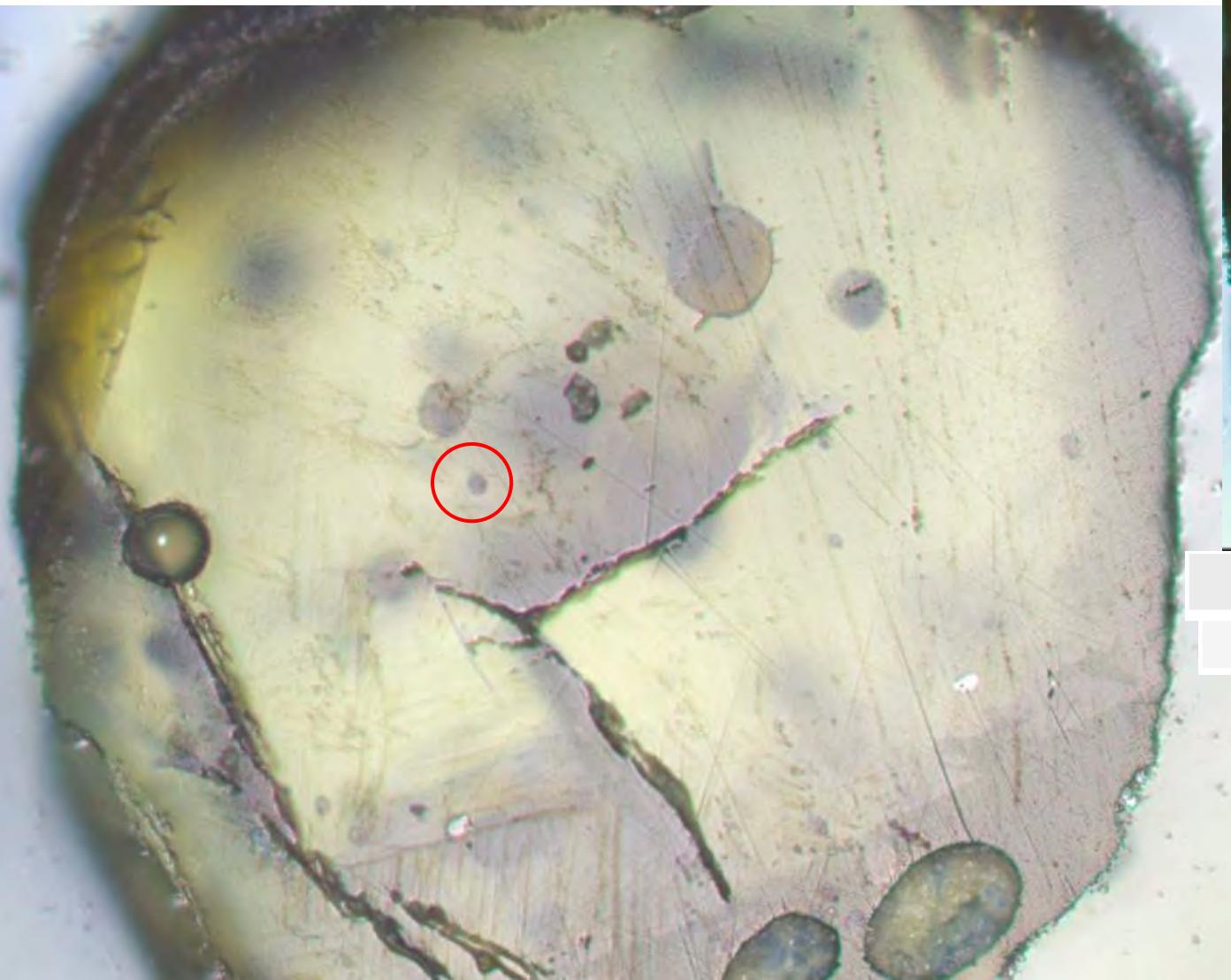


M58\_c1\_a2\_FIB

	Filename	Mag	Width (µm)	Height (µm)
4	11 M58_c1_a2_FIB.txt	50	224.607	140.379



M58\_c2\_a1\_FIA



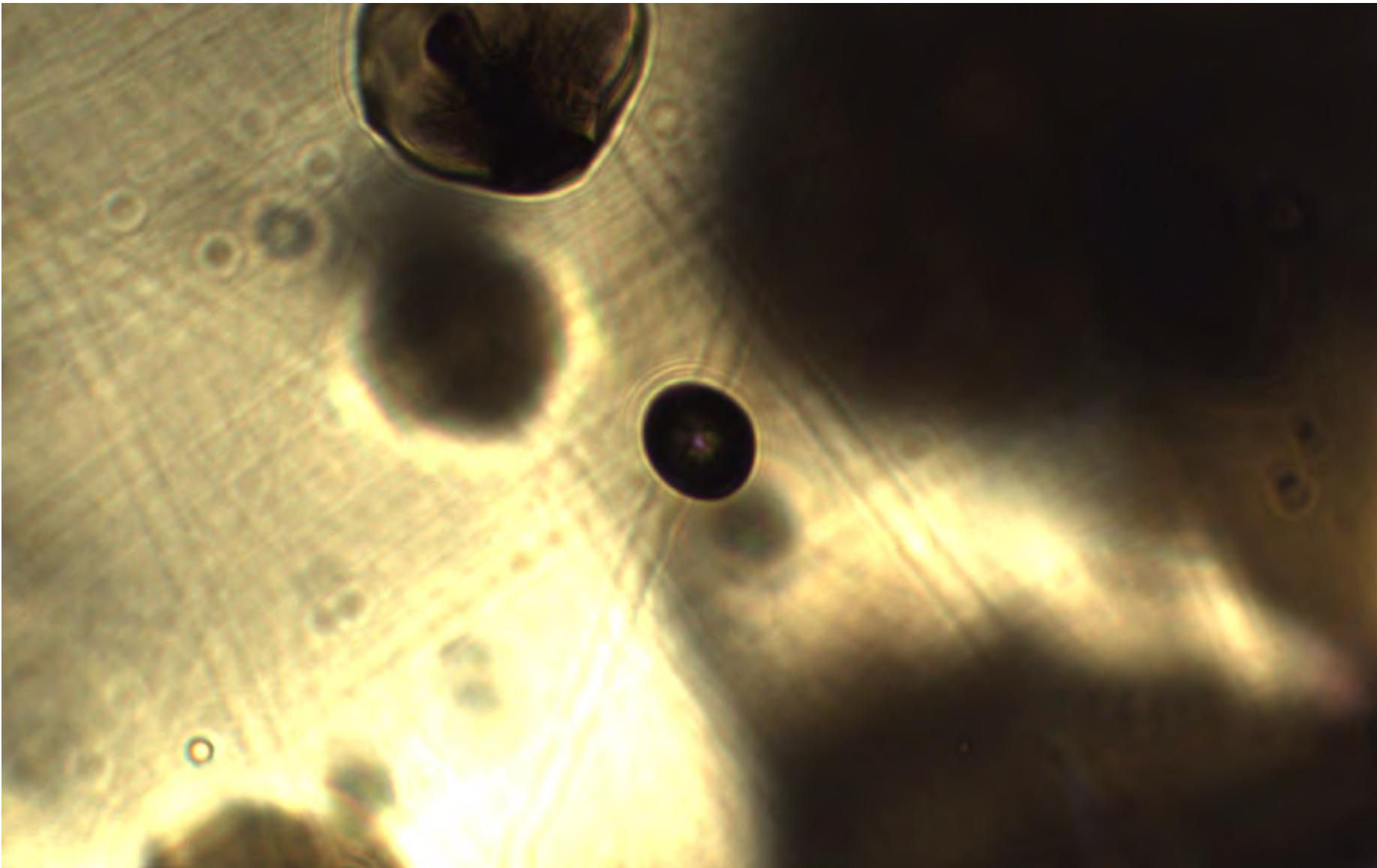
Filename	Mag	Width (µm)	Height (µm)
5 14 M58_c2_a1_FIA.txt	50	224.607	140.379

July 2nd, 2024 - 1950 AD

# M58\_c2\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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5	14 M58_c2_a1_FIA.txt	50	224.607	140.379
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M58\_c3\_a1\_FIA

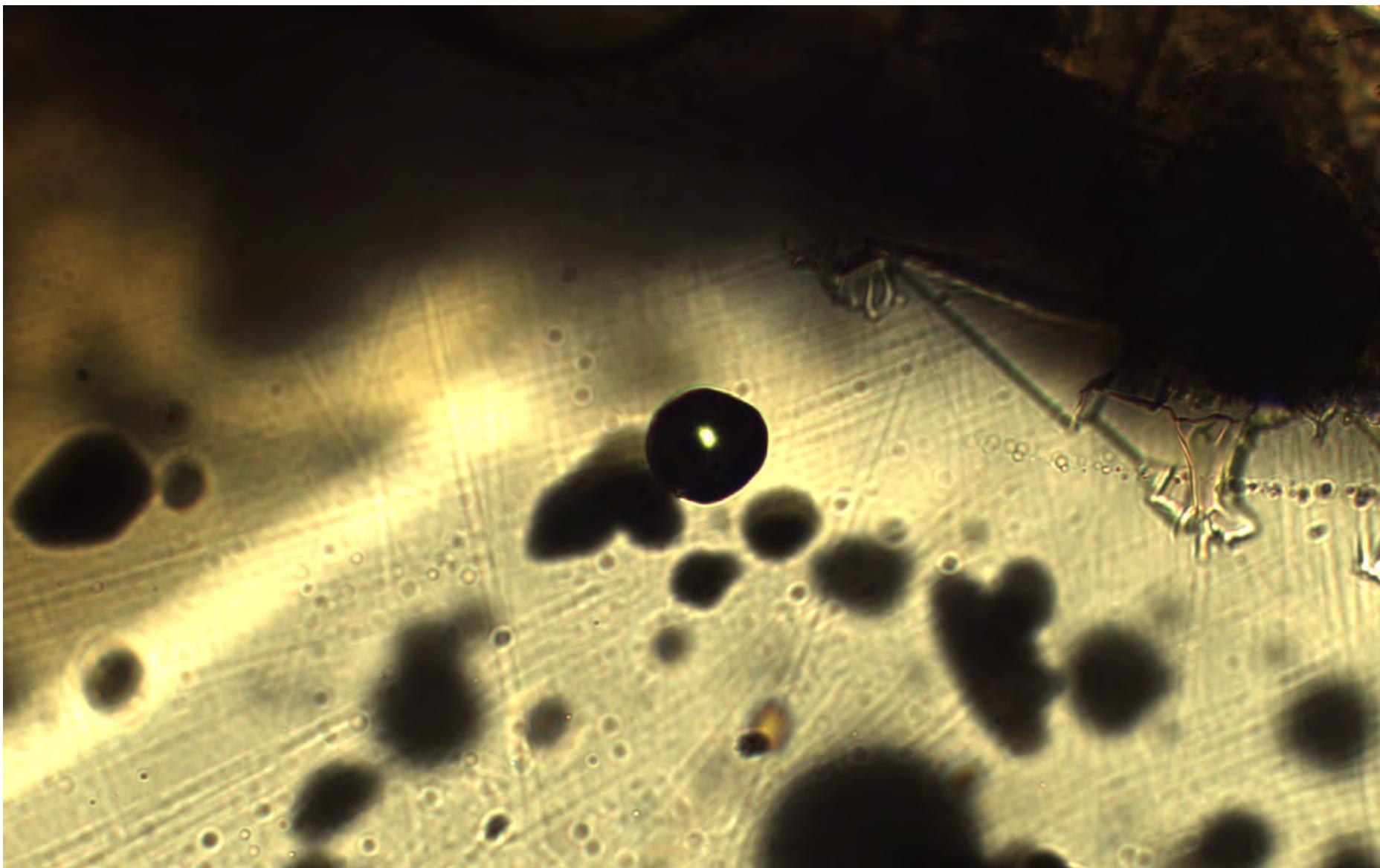


July 2nd, 2024 - 1950 AD

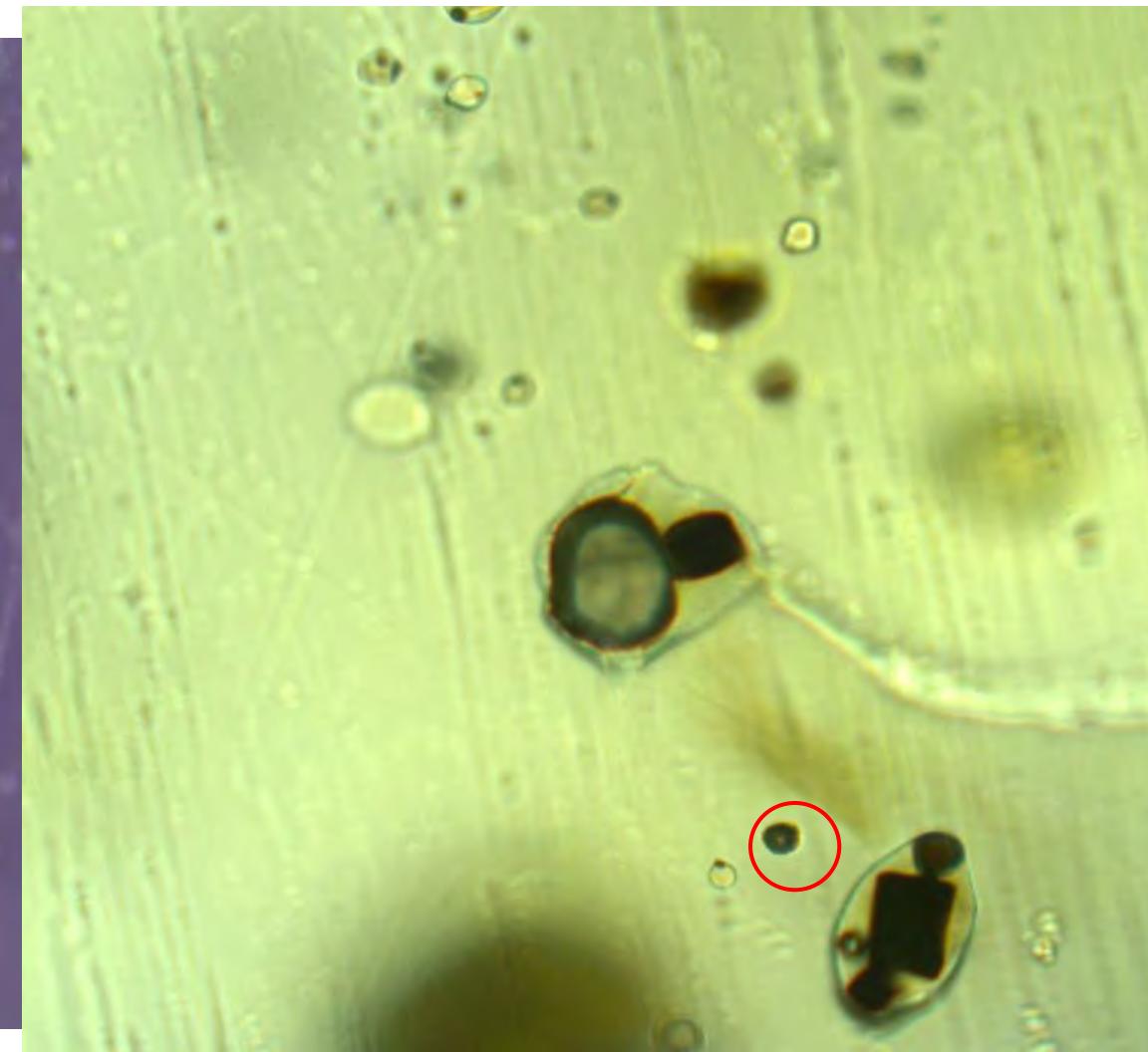
# M58\_c3\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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6	16 M58_c3_a1_FIA.txt	20	546.419	341.512
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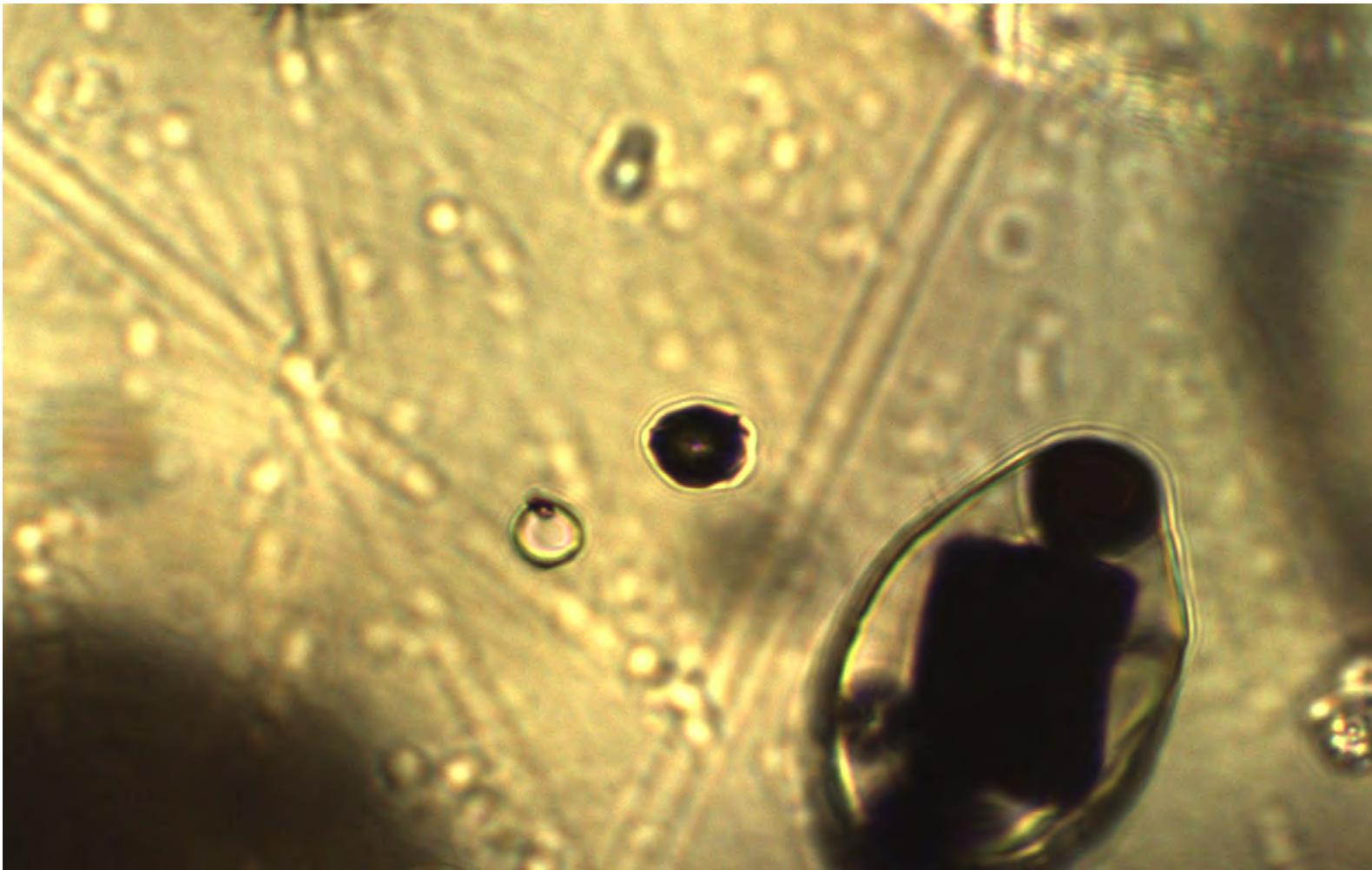
M58\_c4\_a1\_FIA



July 2nd, 2024 - 1950 AD

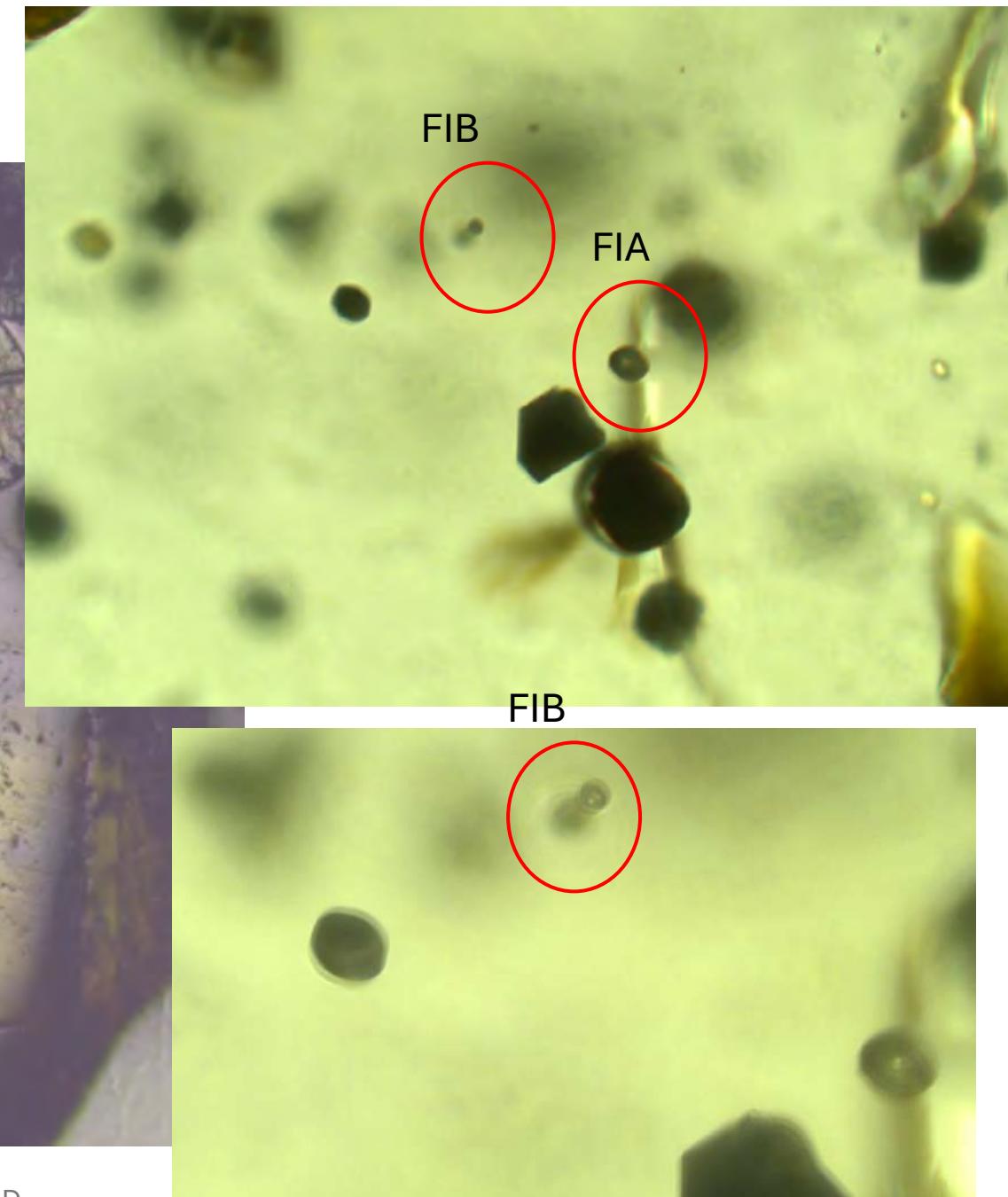
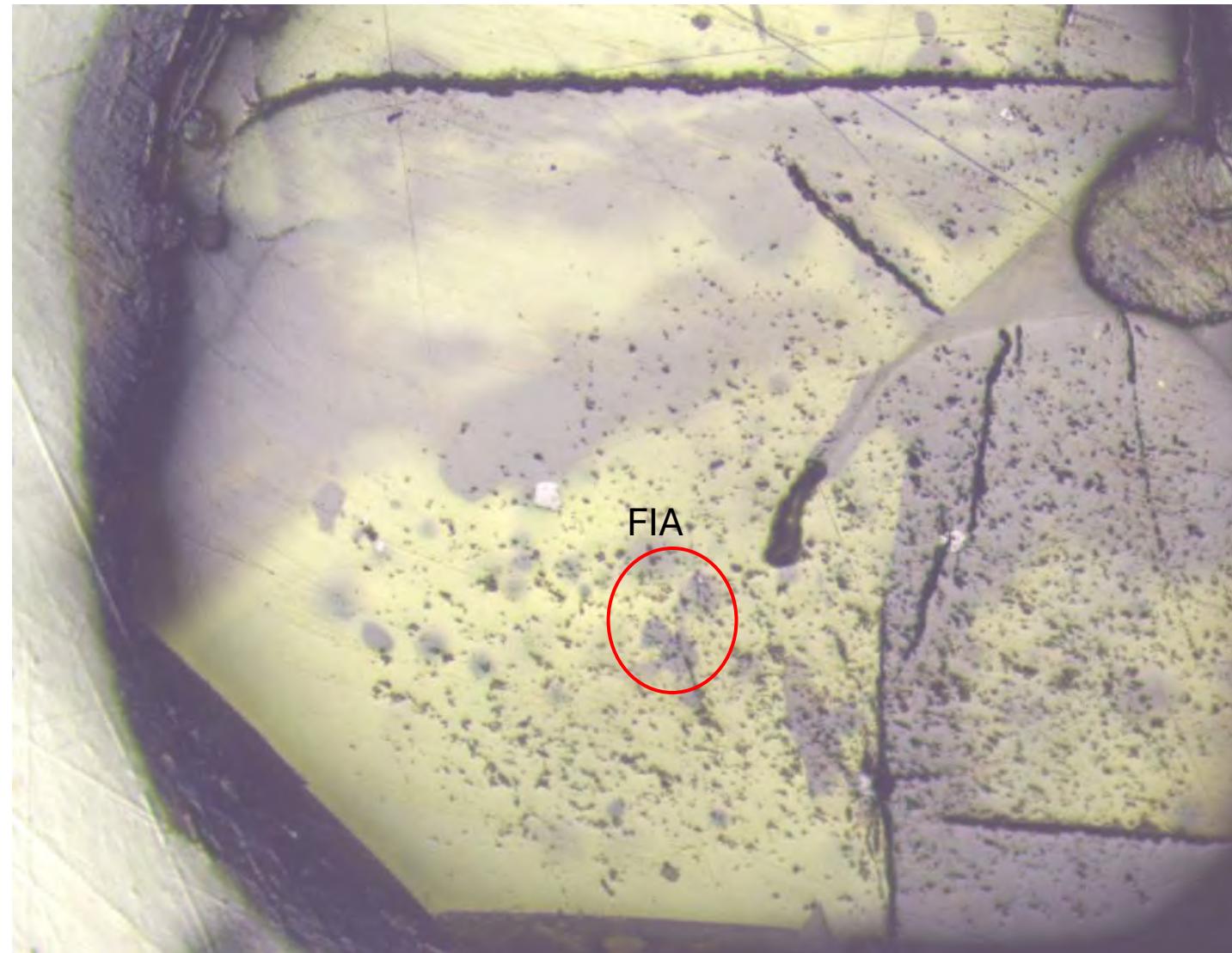
# M58\_c4\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
7	18 M58_c4_a1_FIA.txt	50	224.607	140.379



M58\_6\_a1\_FIA – no diad

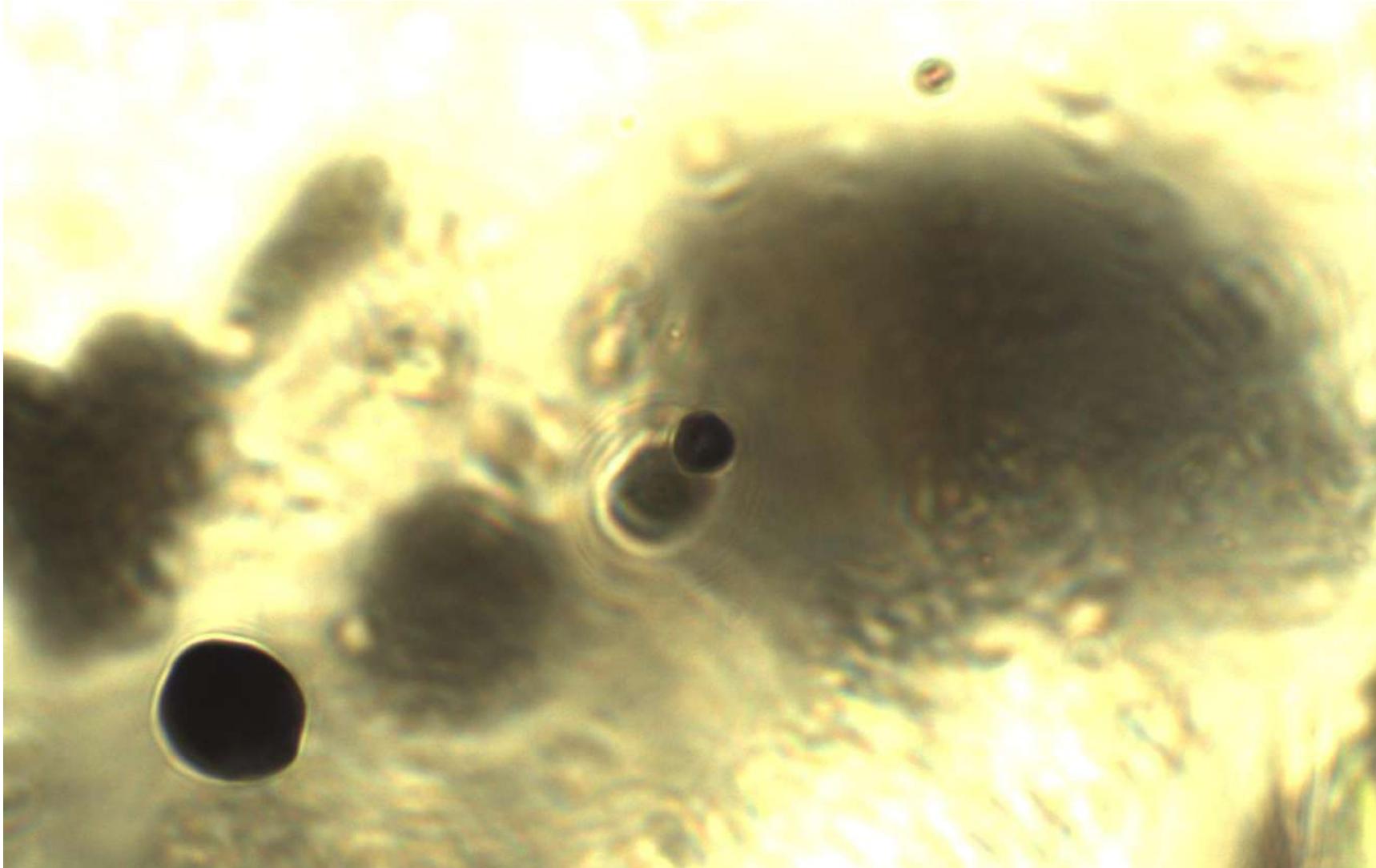
M58\_6\_a1\_FIB - diad



# M58\_c6\_a1\_FIB

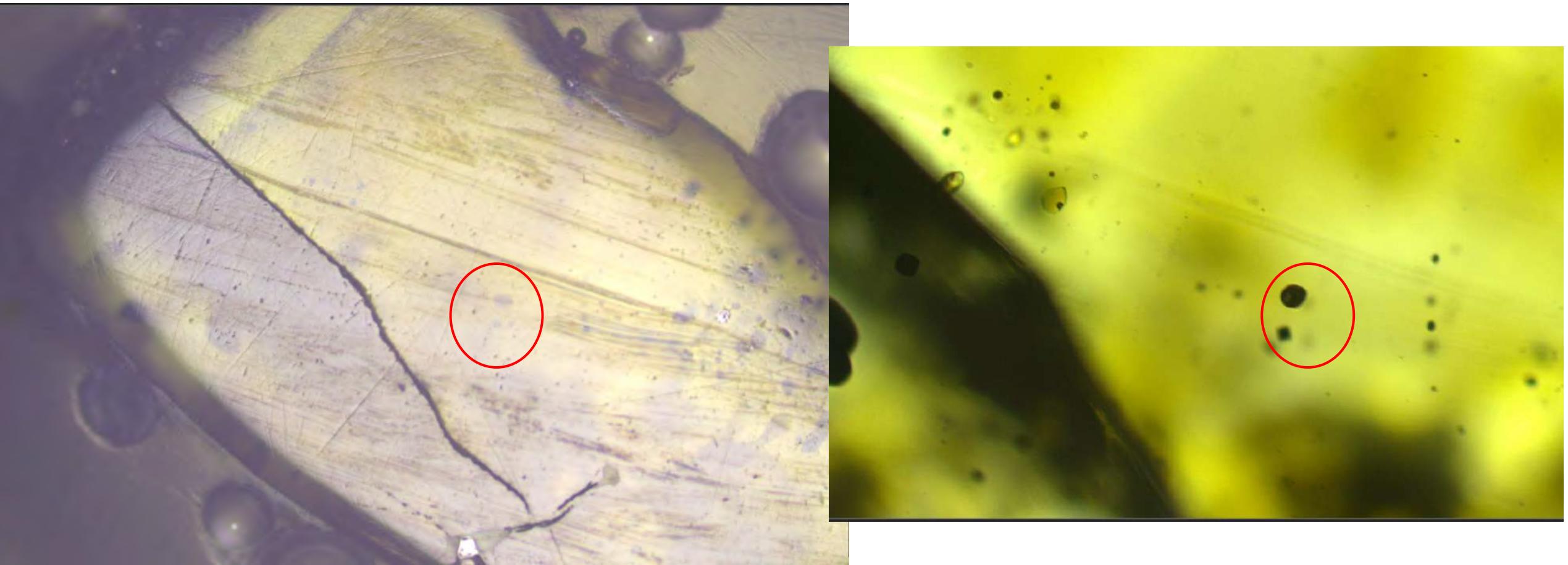
Filename	Mag	Width (μm)	Height (μm)
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8	21 M58_c6_a1_FIB.txt	50	224.607	140.379
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July 2nd, 2024 - 1950 AD

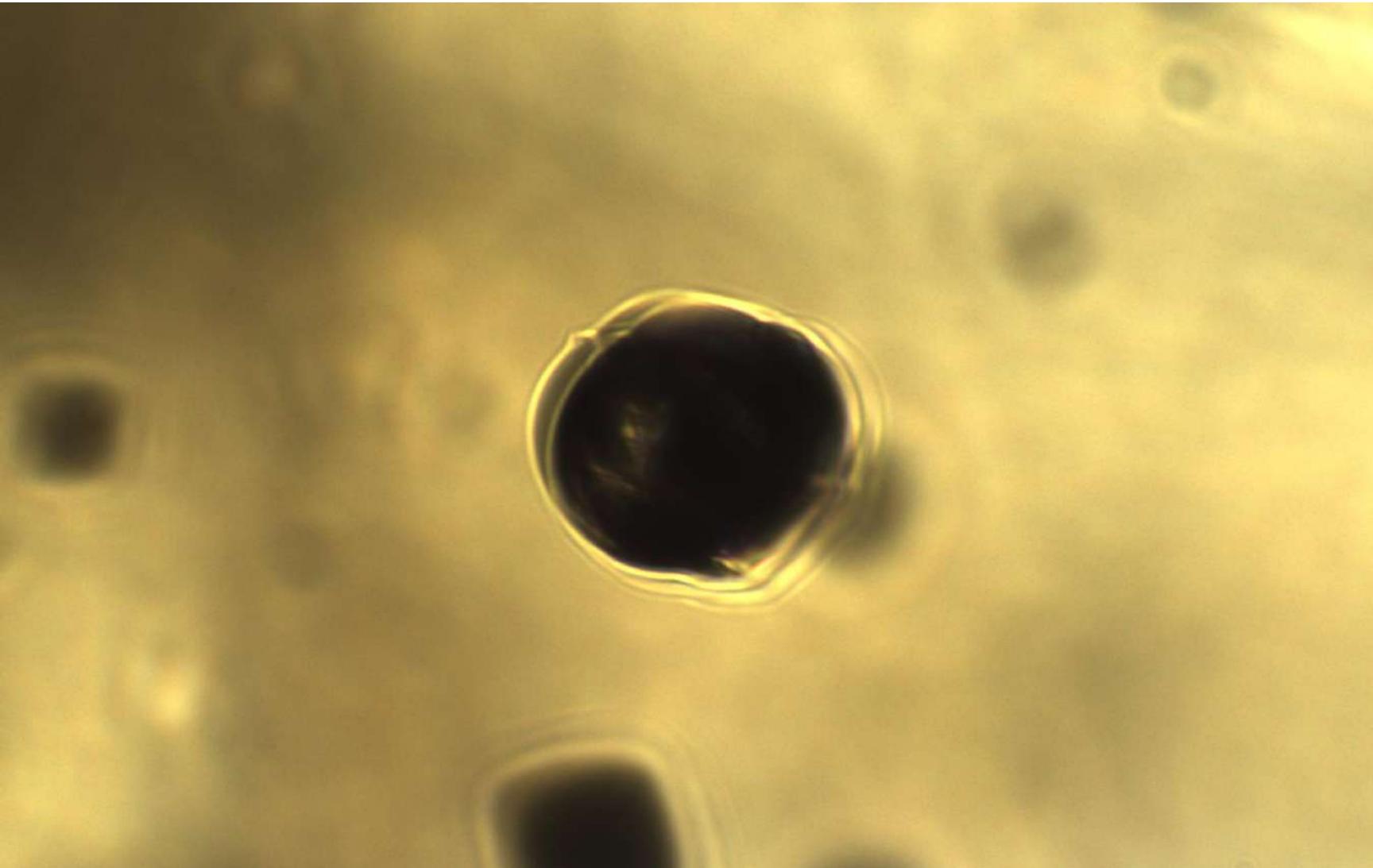
M58\_c7\_a1\_FIA



July 2nd, 2024 - 1950 AD

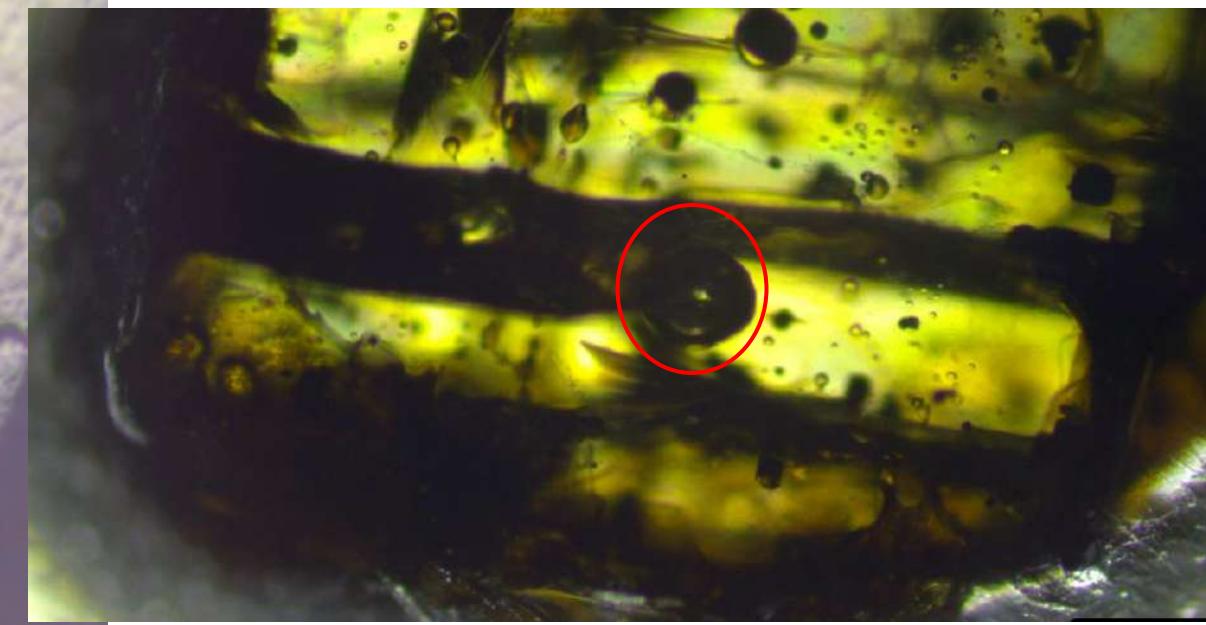
# M58\_c7\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
9	23 M58_c7_a1_FIA.txt	50	224.607	140.379



July 2nd, 2024 - 1950 AD

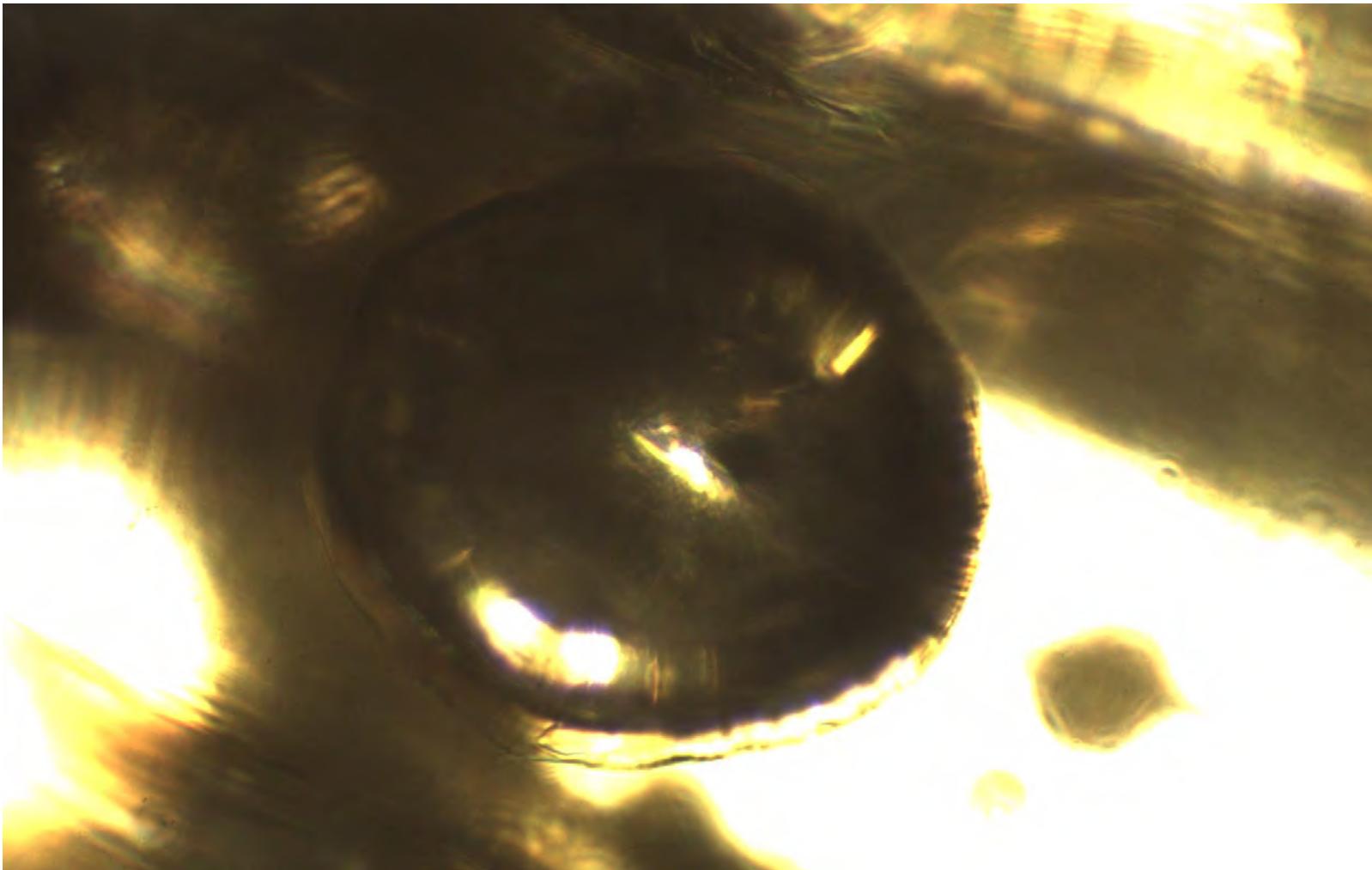
M58\_c9\_a1\_FIA



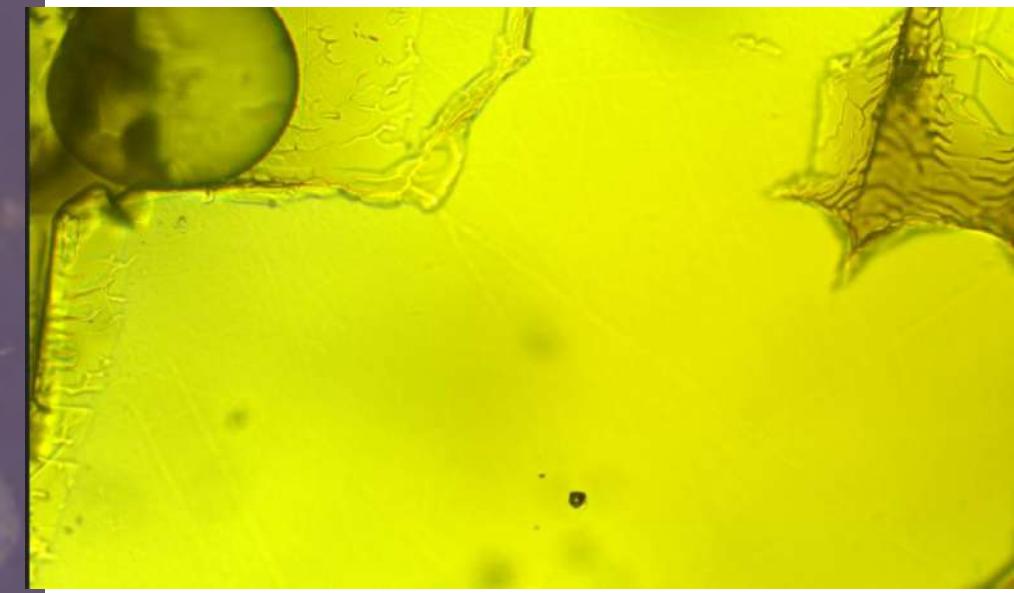
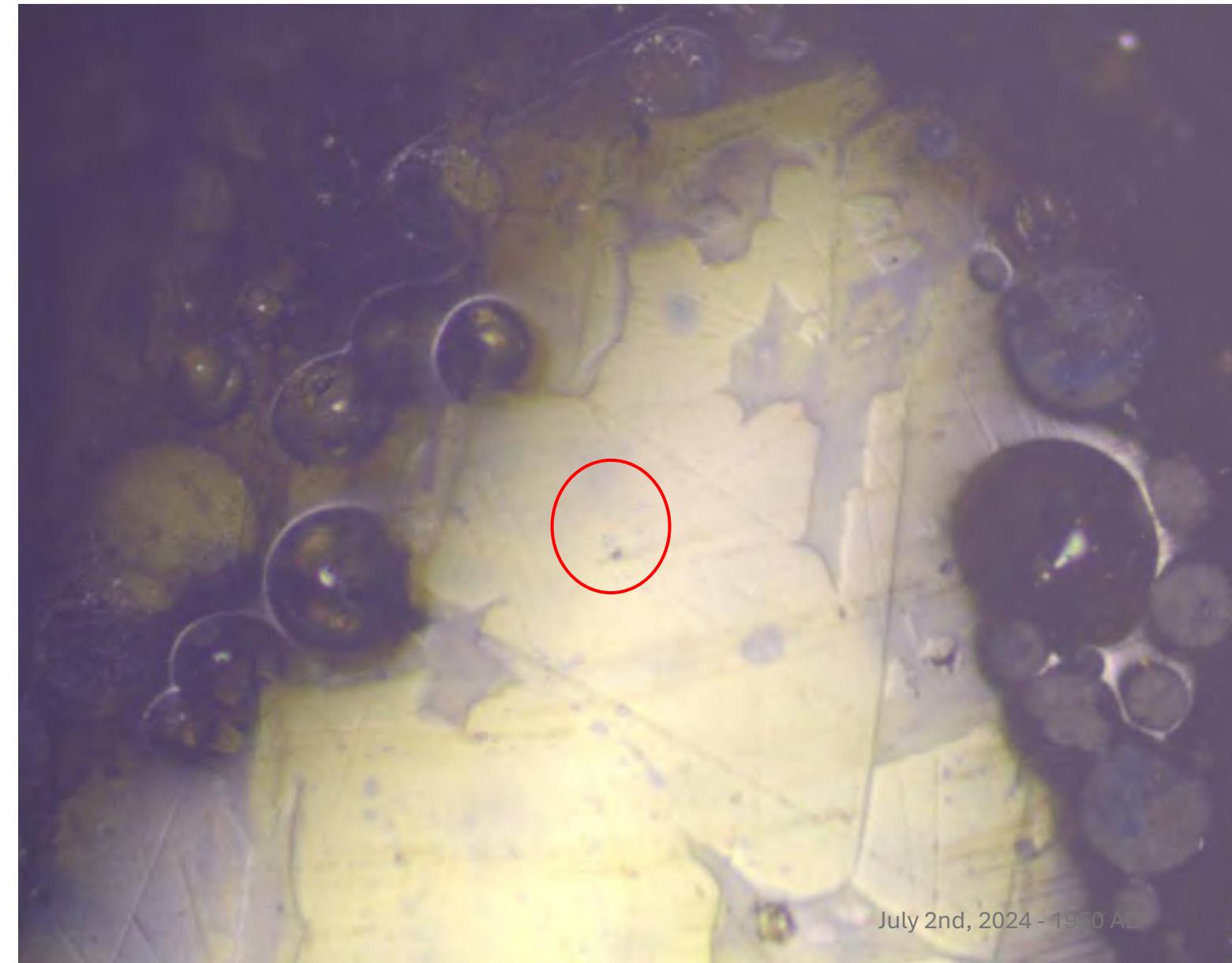
July 2nd, 2024 - 1950 AD

# M58\_c9\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
11	27 M58_c9_a1_FIA.txt	20	546.419	341.512



M58\_c10\_a1\_FIA

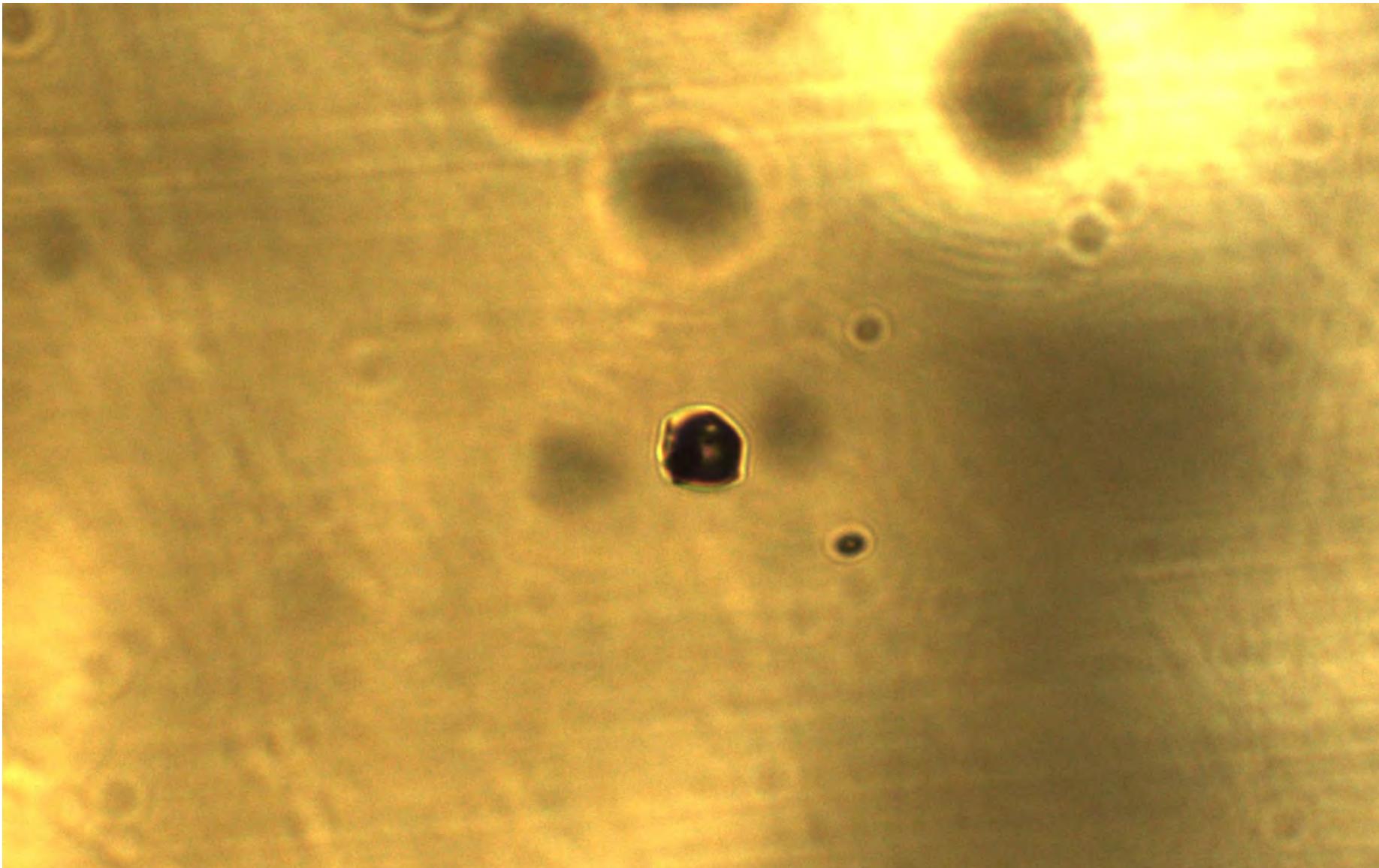


July 2nd, 2024 - 1950 AD

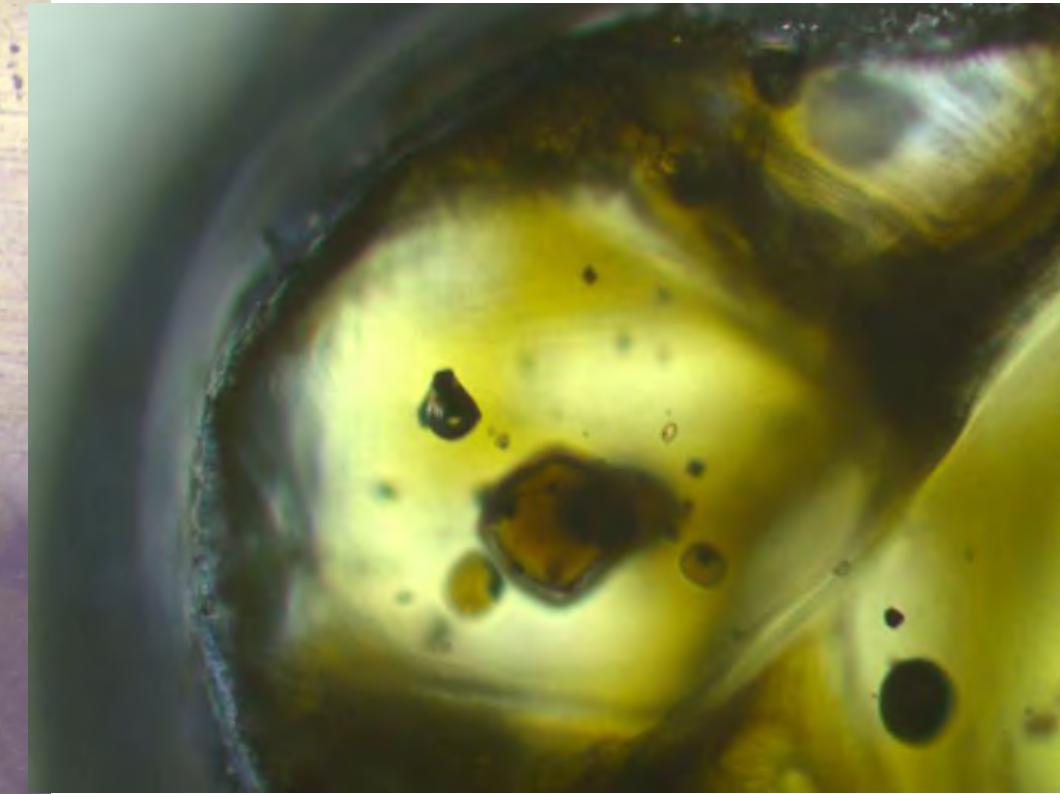
# M58\_c10\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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12	29 M58_c10_a1_FIA.txt	50	224.607	140.379
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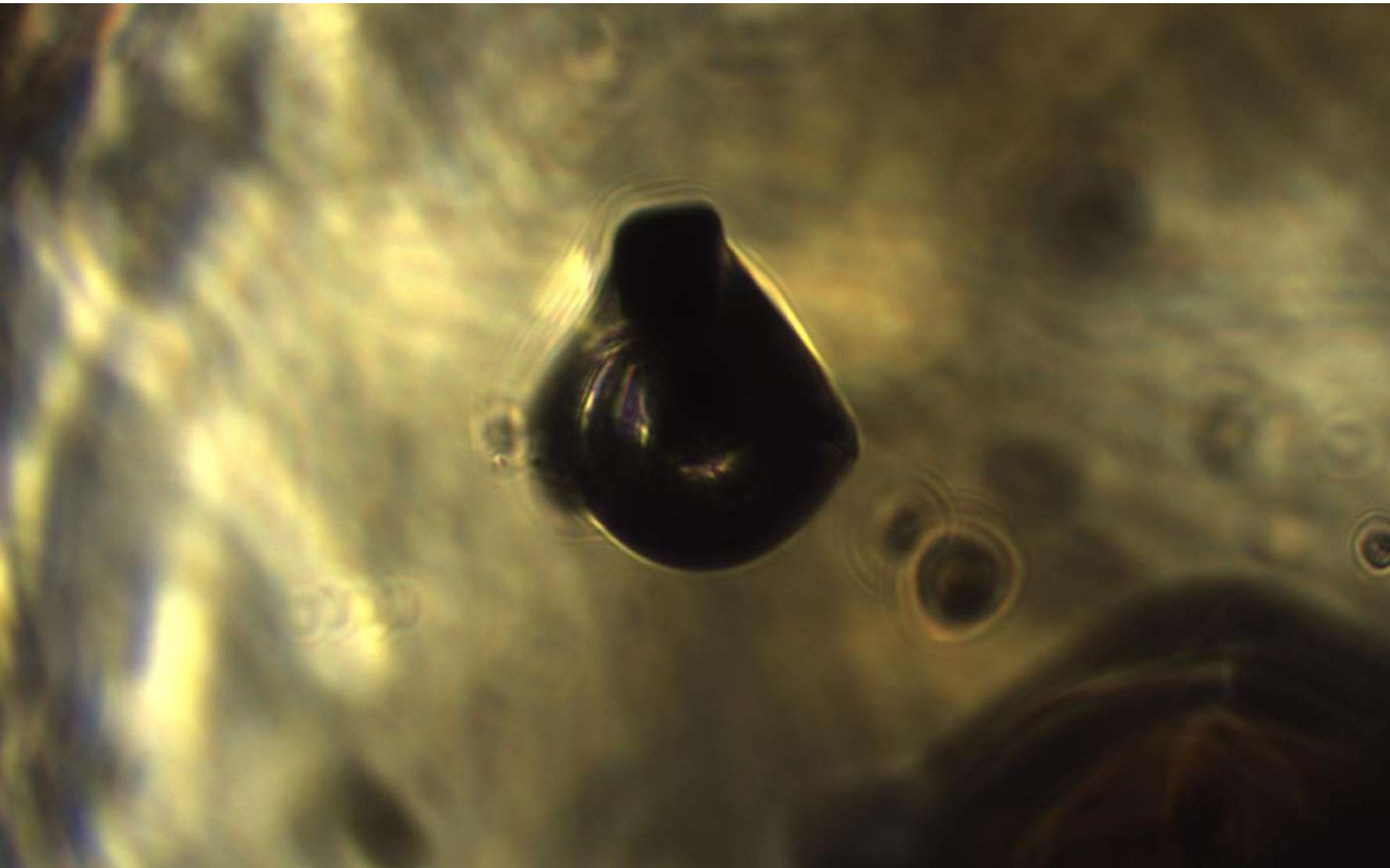


M58\_c11\_a1\_FIA



# M58\_c11\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (μm)</b>	<b>Height (μm)</b>
13	31 M58_c11_a1_FIA.txt	50	224.607	140.379



July 2nd, 2024 - 1950 AD

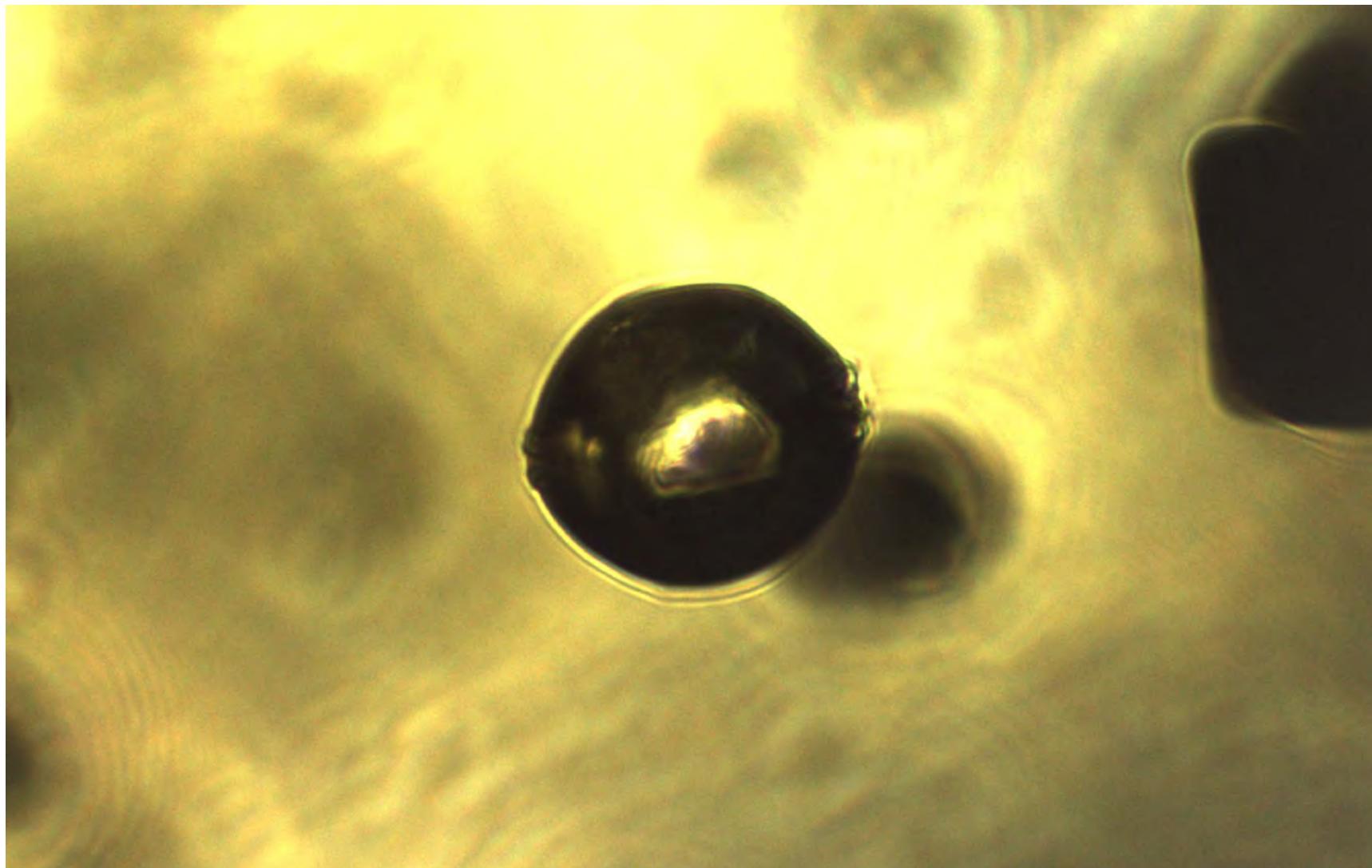
M58\_c12\_a1\_FIA



July 2nd, 2024 - 1950 AD

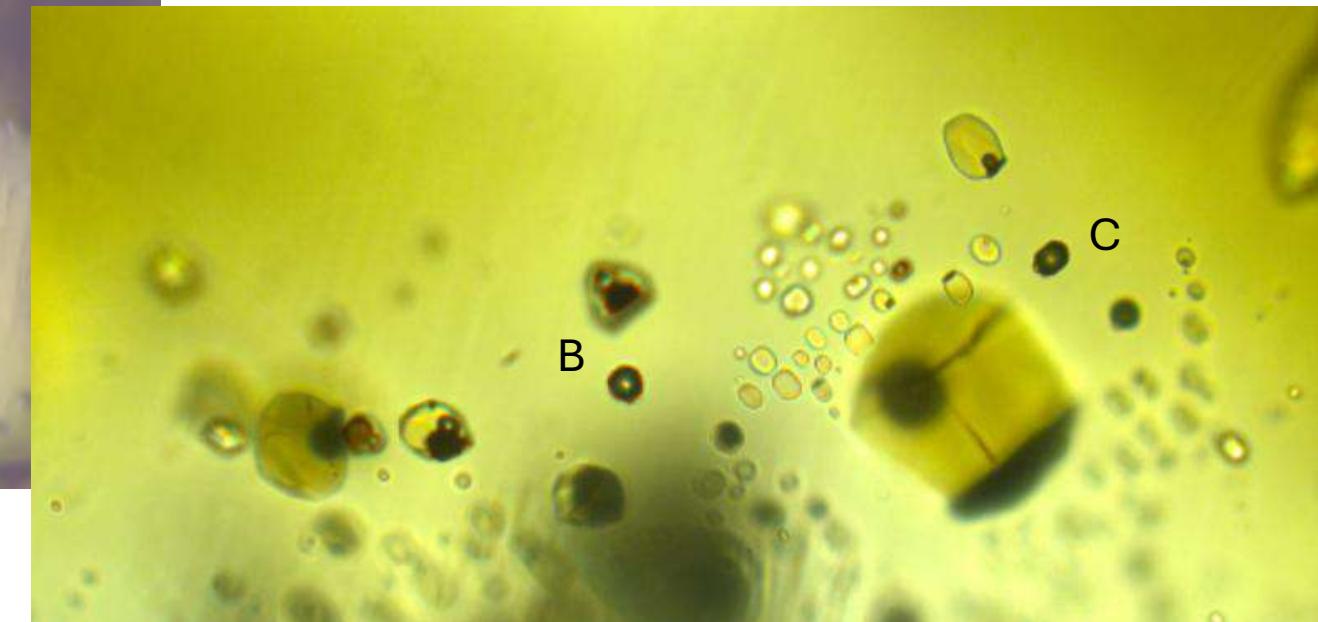
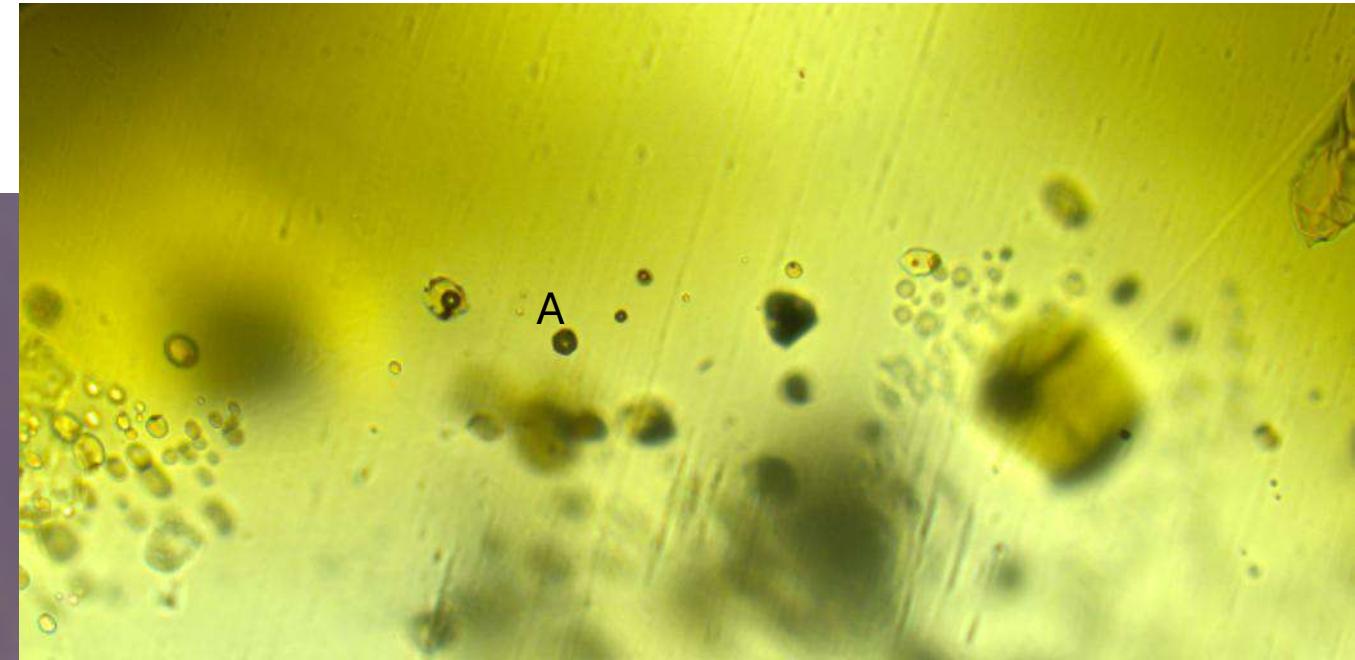
# M58\_c12\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
14	33 M58_c12_a1_FIA.txt	50	224.607	140.379

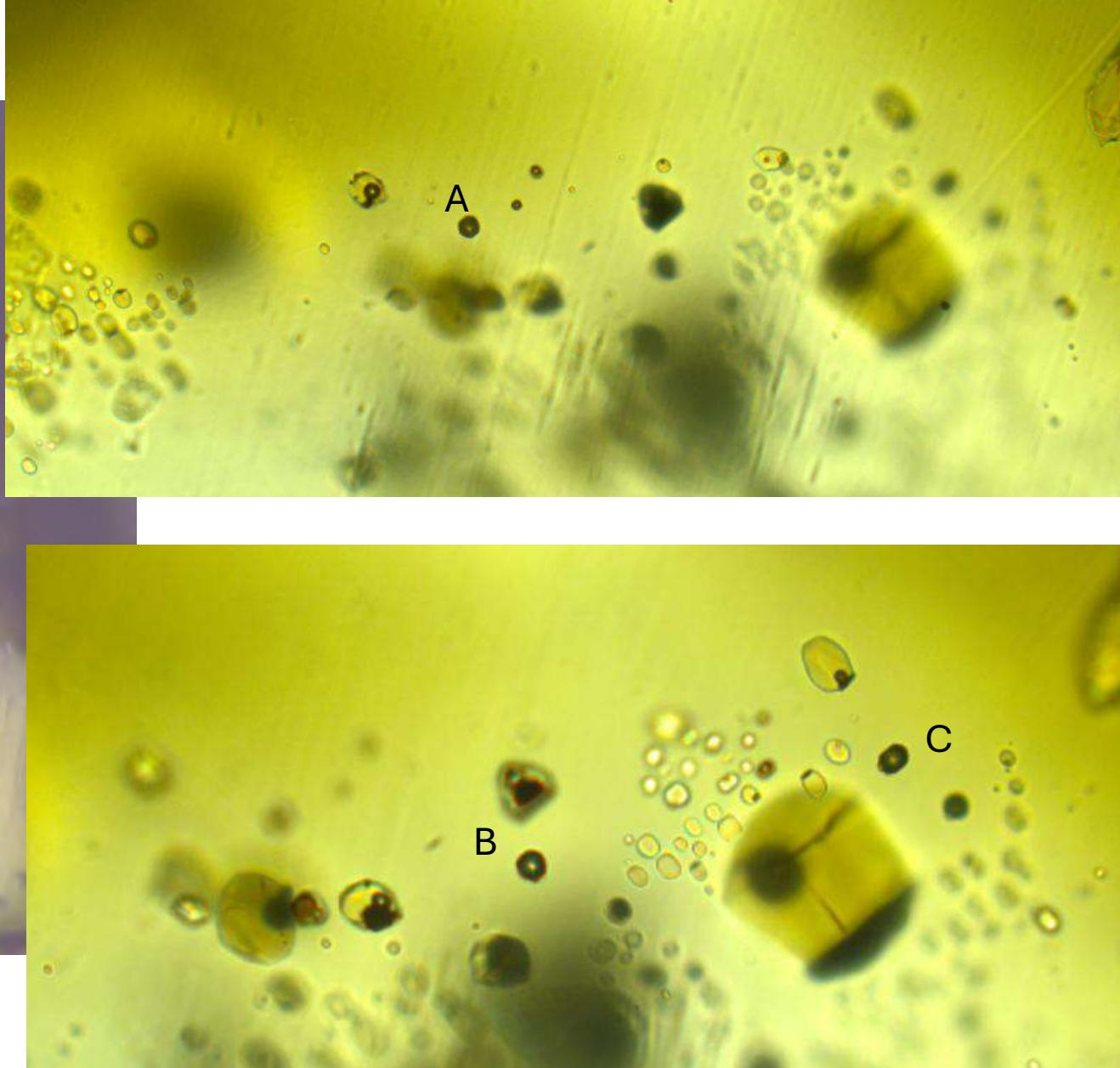


July 2nd, 2024 - 1950 AD

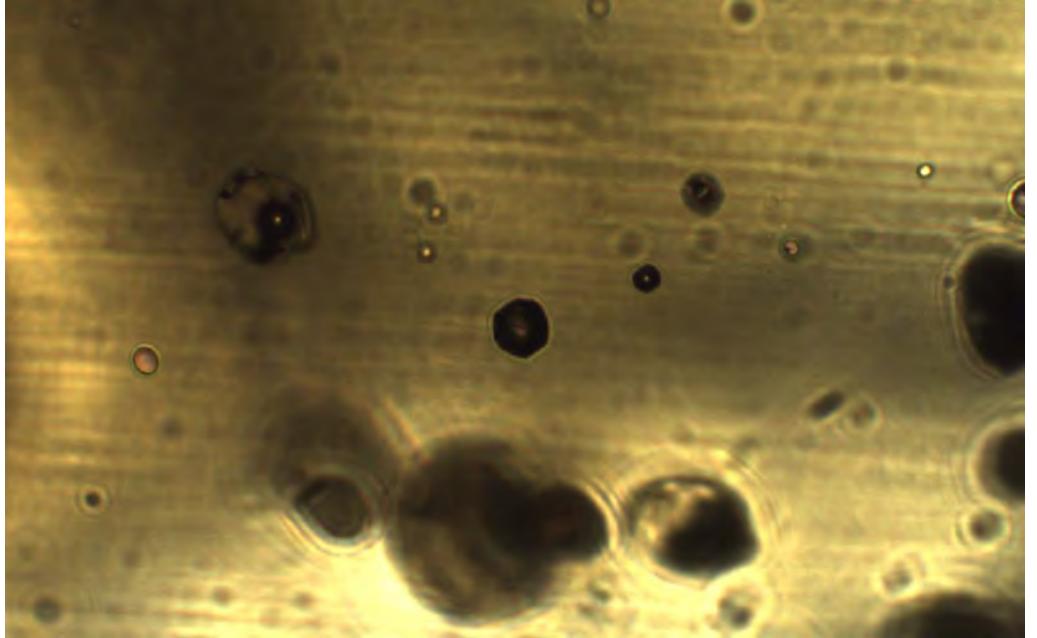
M58\_c13\_a1\_FIA  
M58\_c13\_a2\_FIB  
M58\_c13\_a2\_FIC



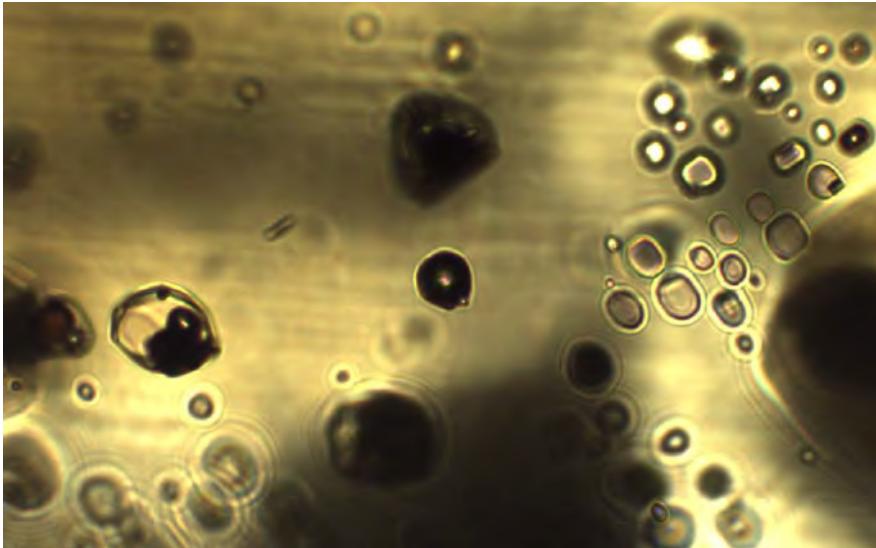
July 2nd, 2024 - 1950 AD



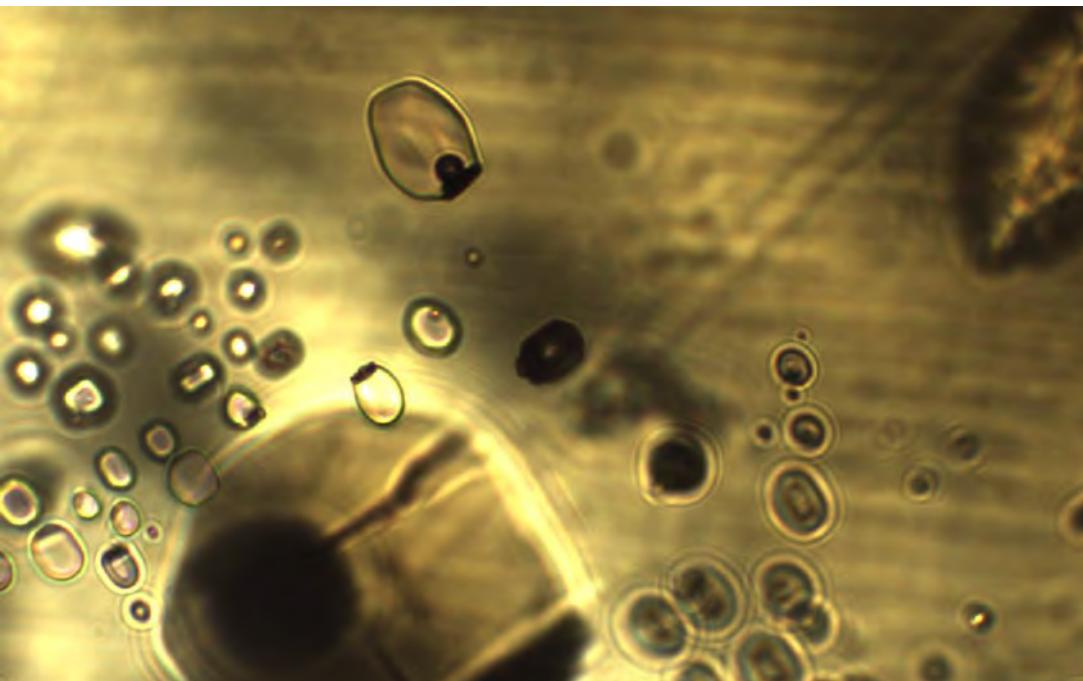
M58_c13_a1_FIA	Filename	Mag	Width (µm)	Height (µm)
15	36 M58_c13_a1_FIA.txt	50	224.607	140.379



M58_c13_a2_FIB	Filename	Mag	Width (µm)	Height (µm)
16	38 M58_c13_a2_FIB.txt	50	224.607	140.379



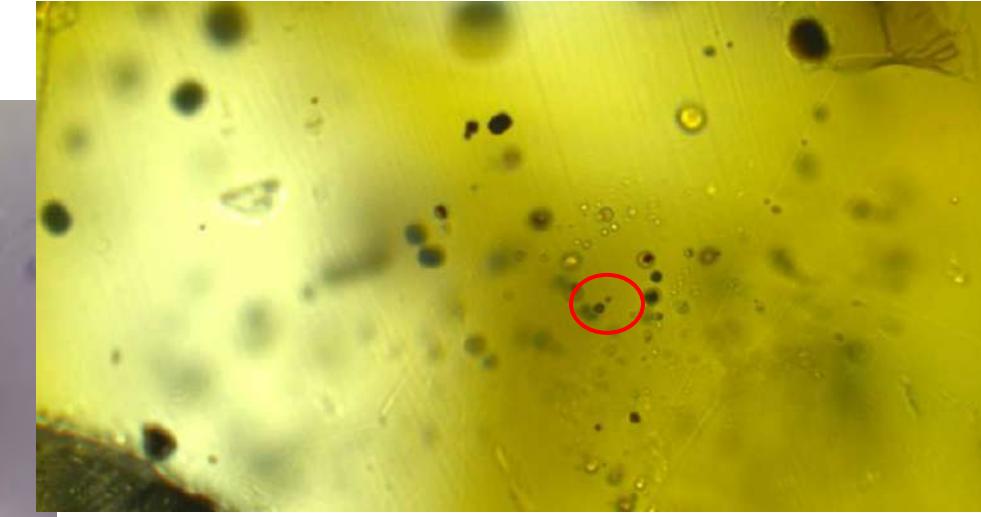
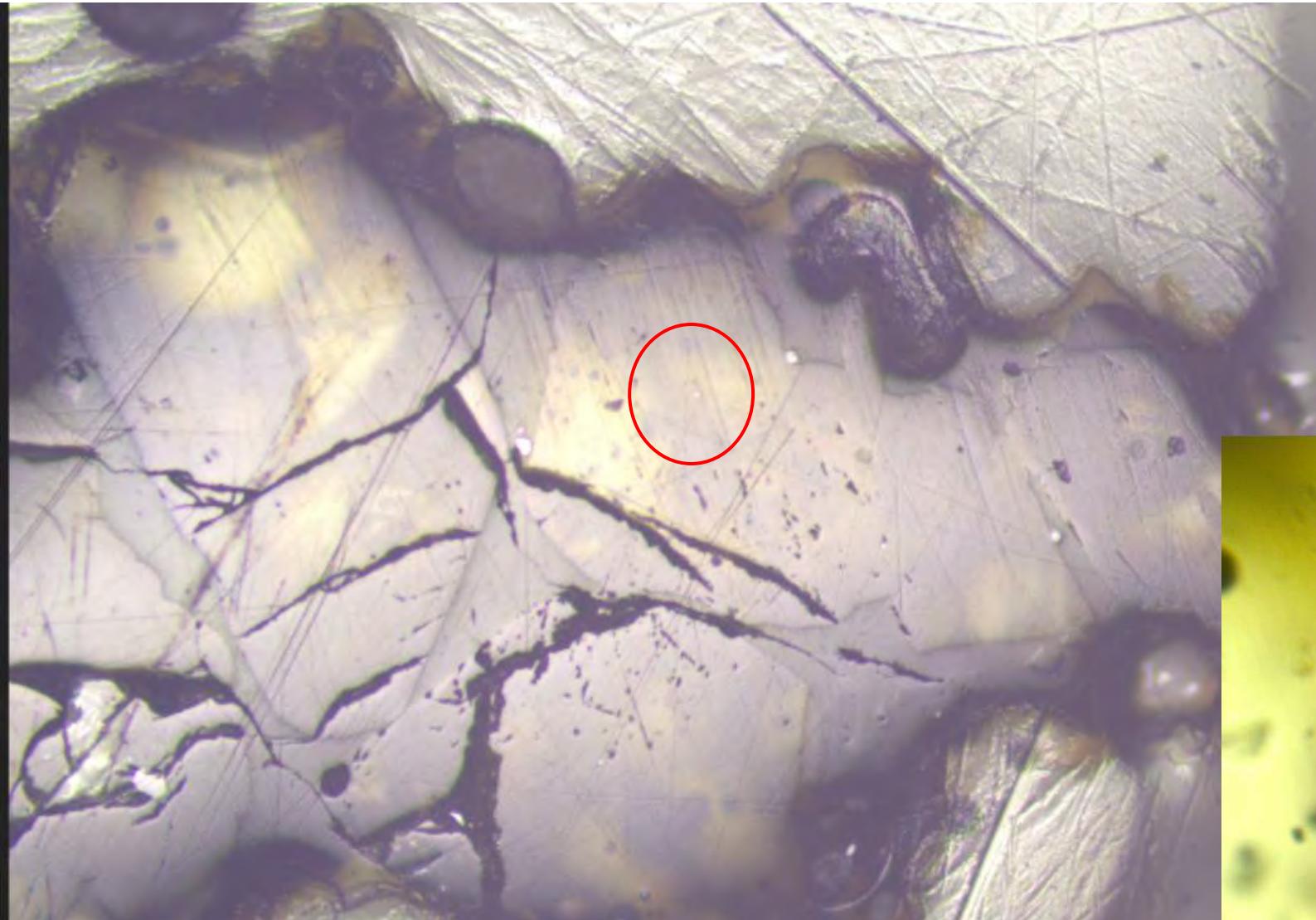
M58_c13_a2_FIC	Filename	Mag	Width (µm)	Height (µm)
17	40 M58_c13_a2_FIC.txt	50	224.607	140.379



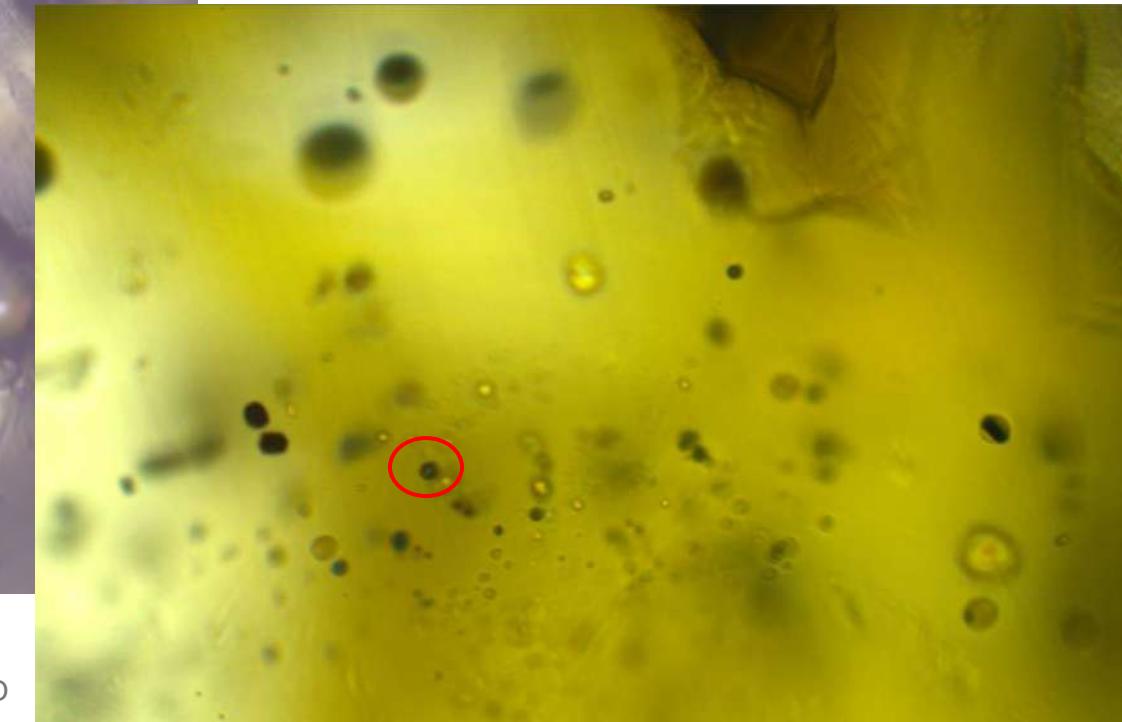
July 2nd, 2024 - 1950 AD

M58\_c14\_a1\_FIA  
M58\_c14\_a1\_FIB

FIA – closest to surface



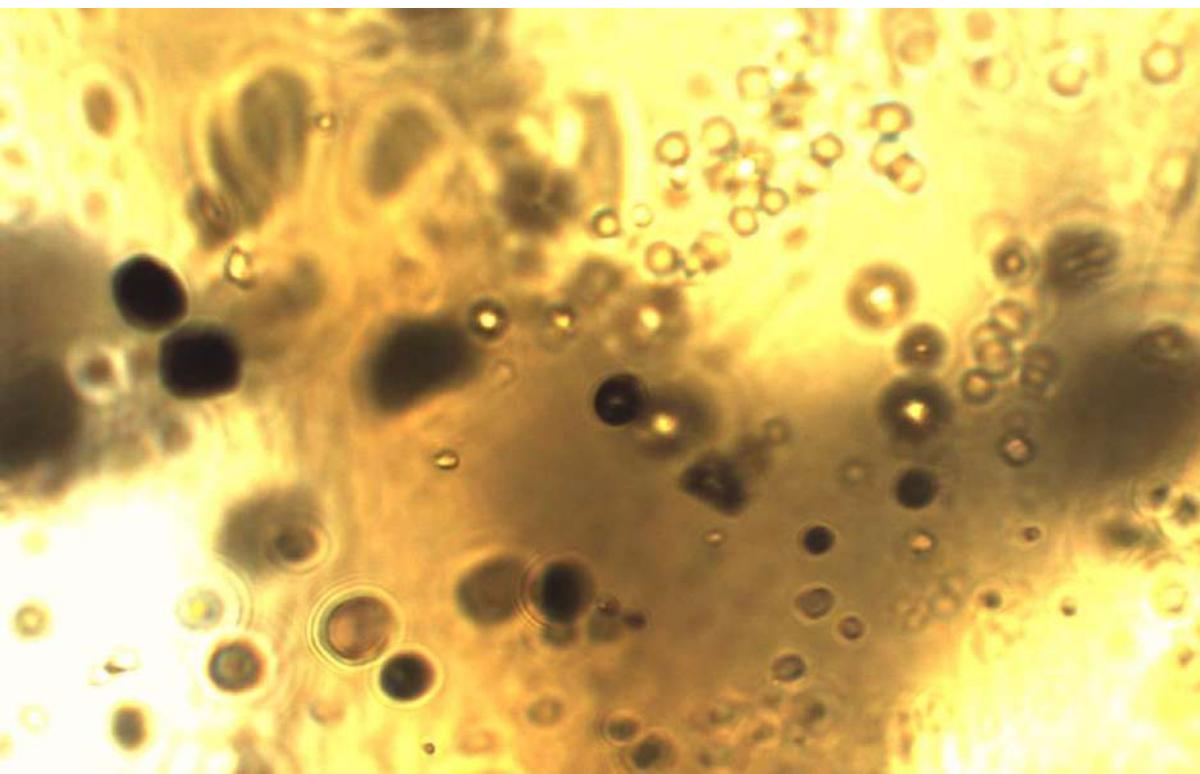
FIA\_deeper



July 2nd, 2024 - 1950 AD

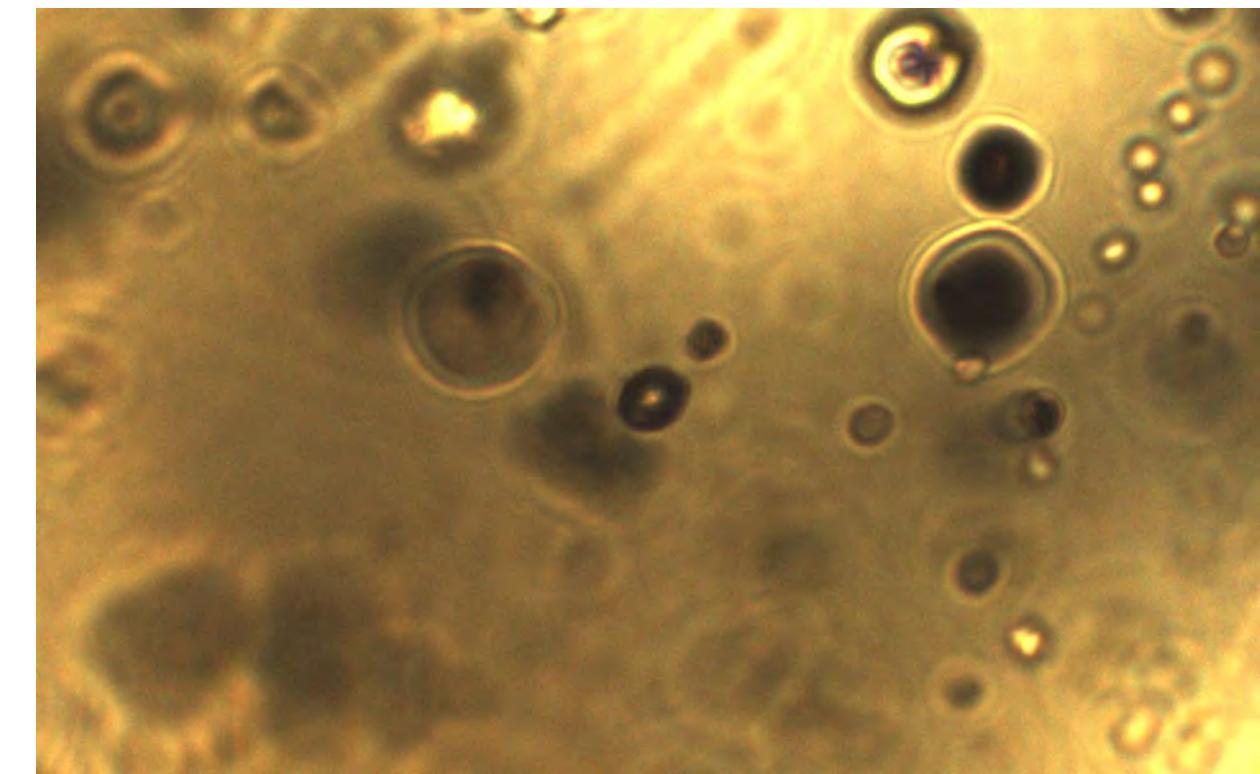
M58\_c14\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
18	43 M58_c14_a1_FIA.txt	50	224.607	140.379

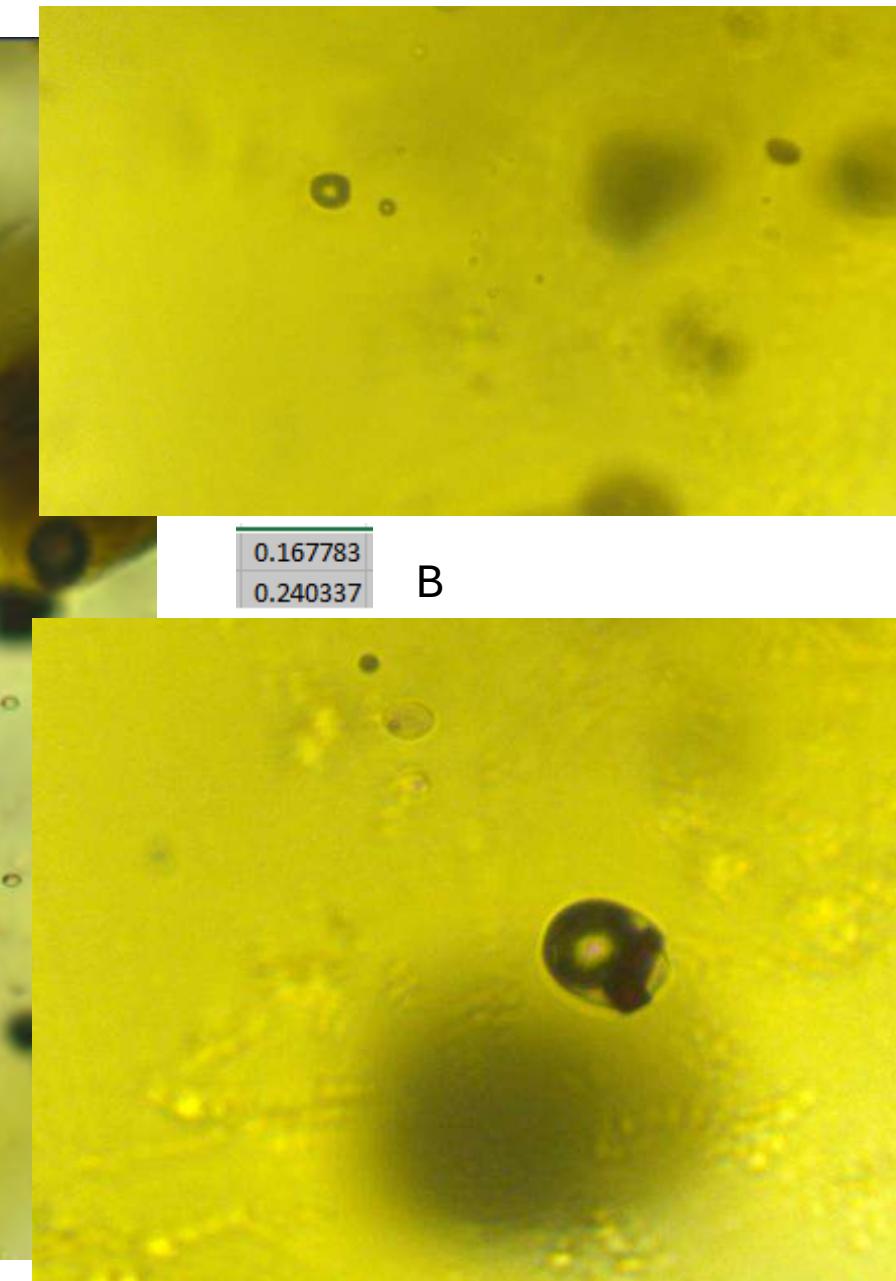
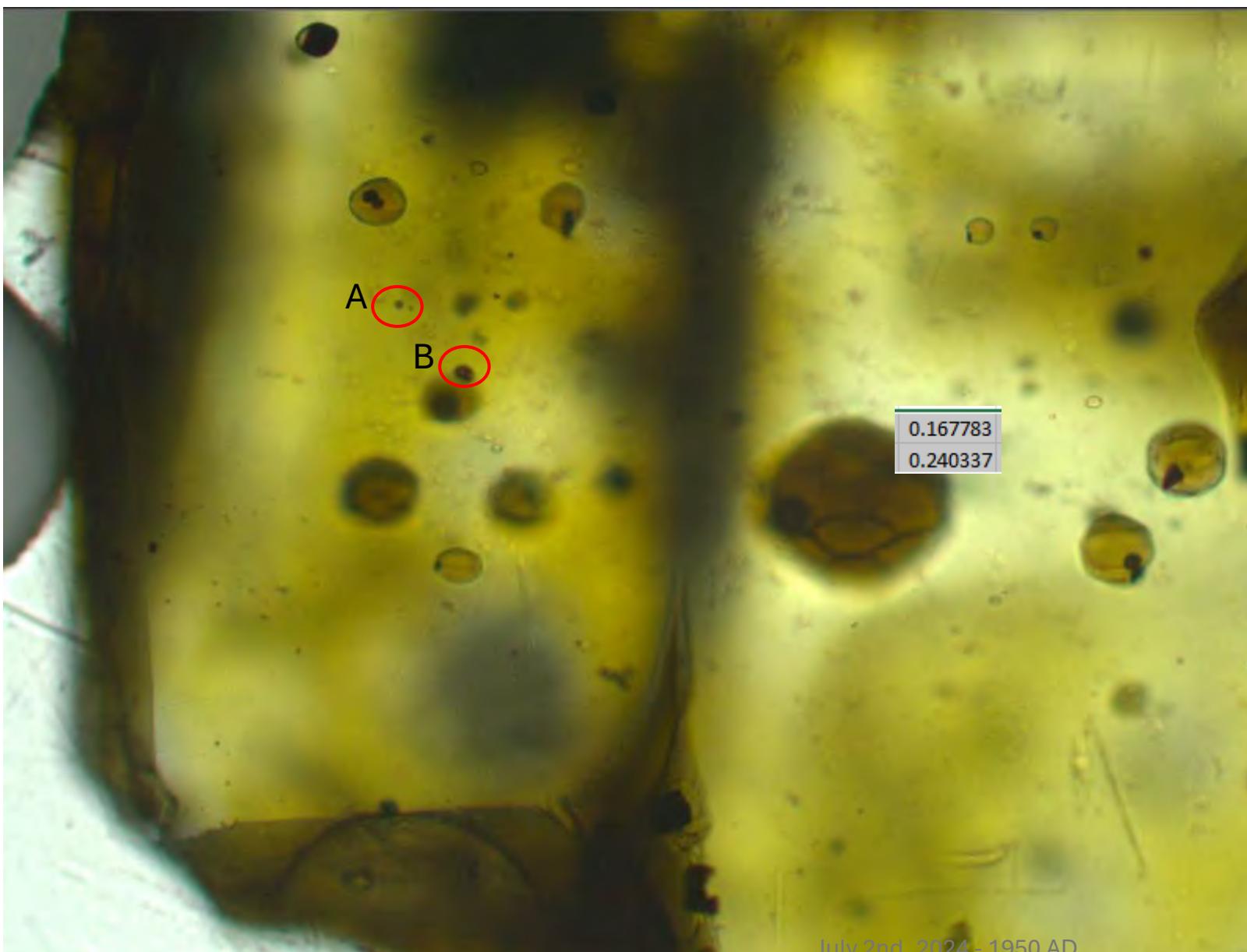


M58\_c14\_a1\_FIB

	Filename	Mag	Width (µm)	Height (µm)
19	44 M58_c14_a1_FIB.txt	100	111.496	69.685



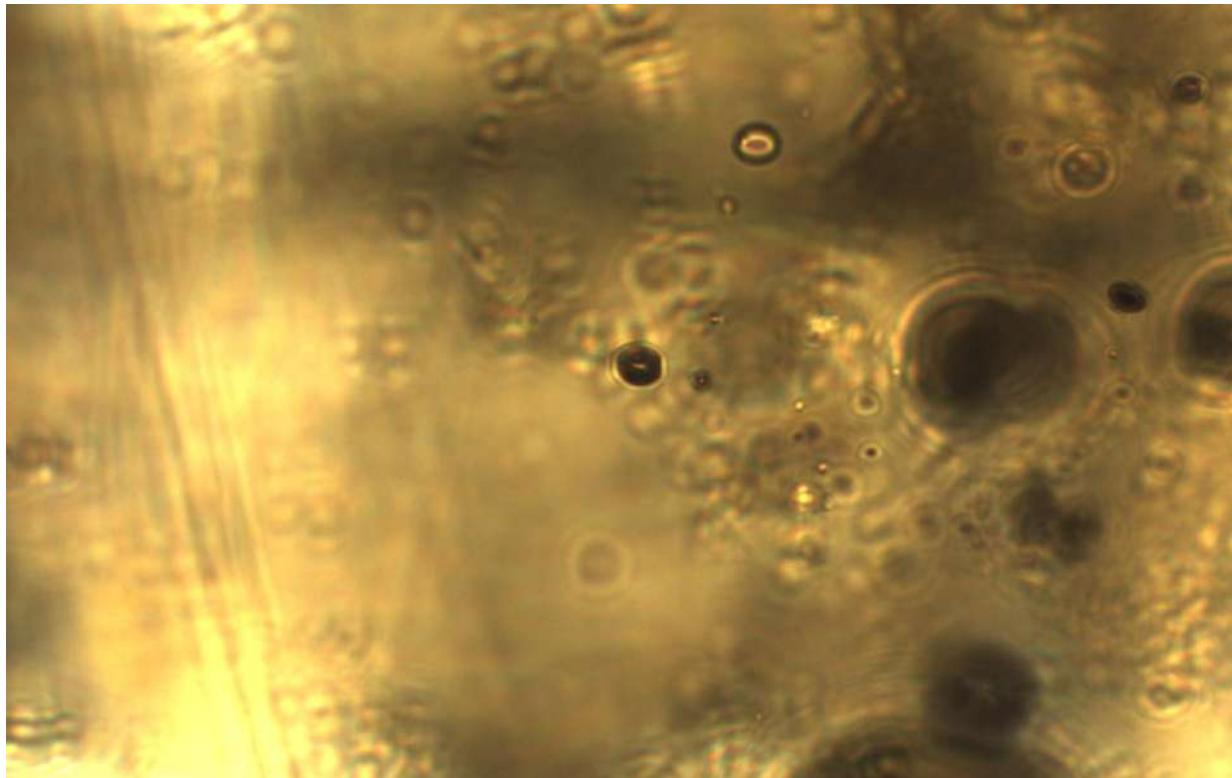
M58\_c16\_a1\_FIA  
M58\_c16\_a1\_FIB



July 2nd, 2024 - 1950 AD

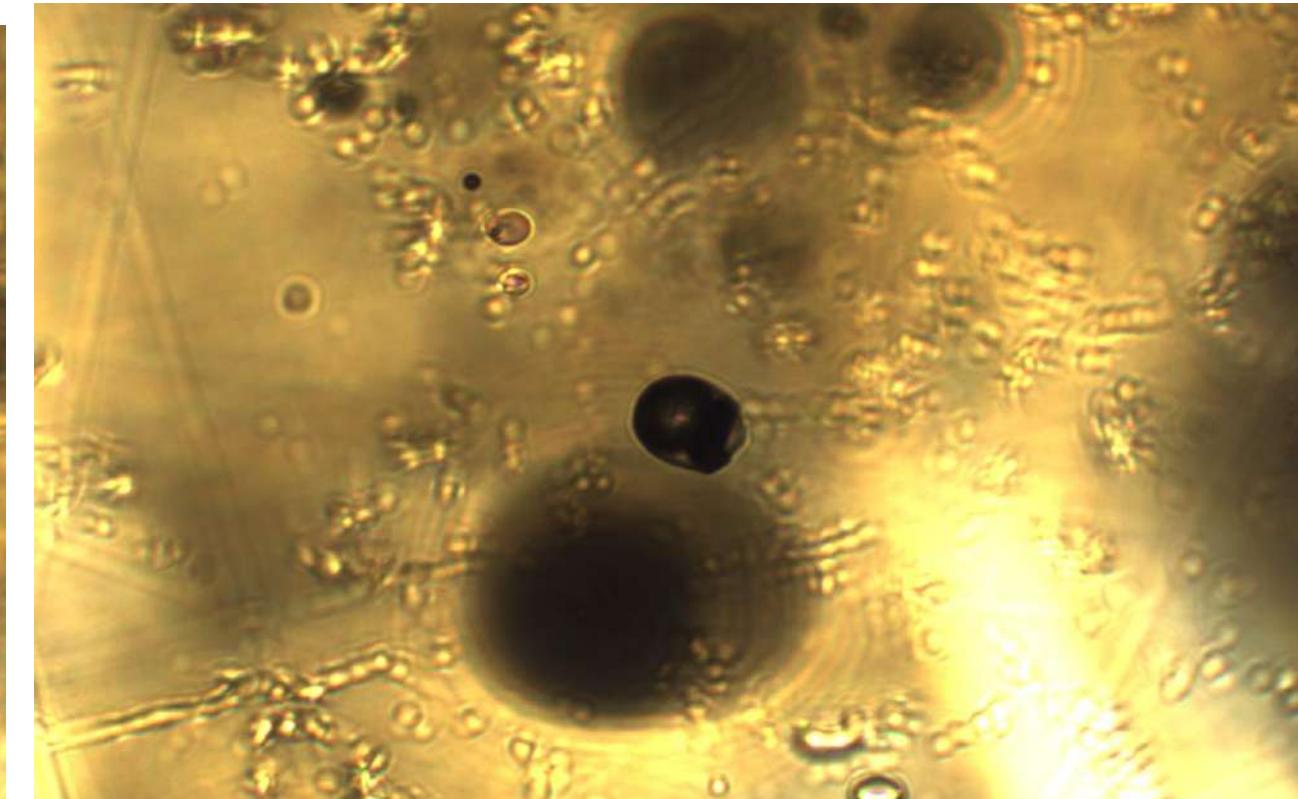
## M58\_c16\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
20	47 M58_c16_a1_FIA.txt	50	224.607	140.379

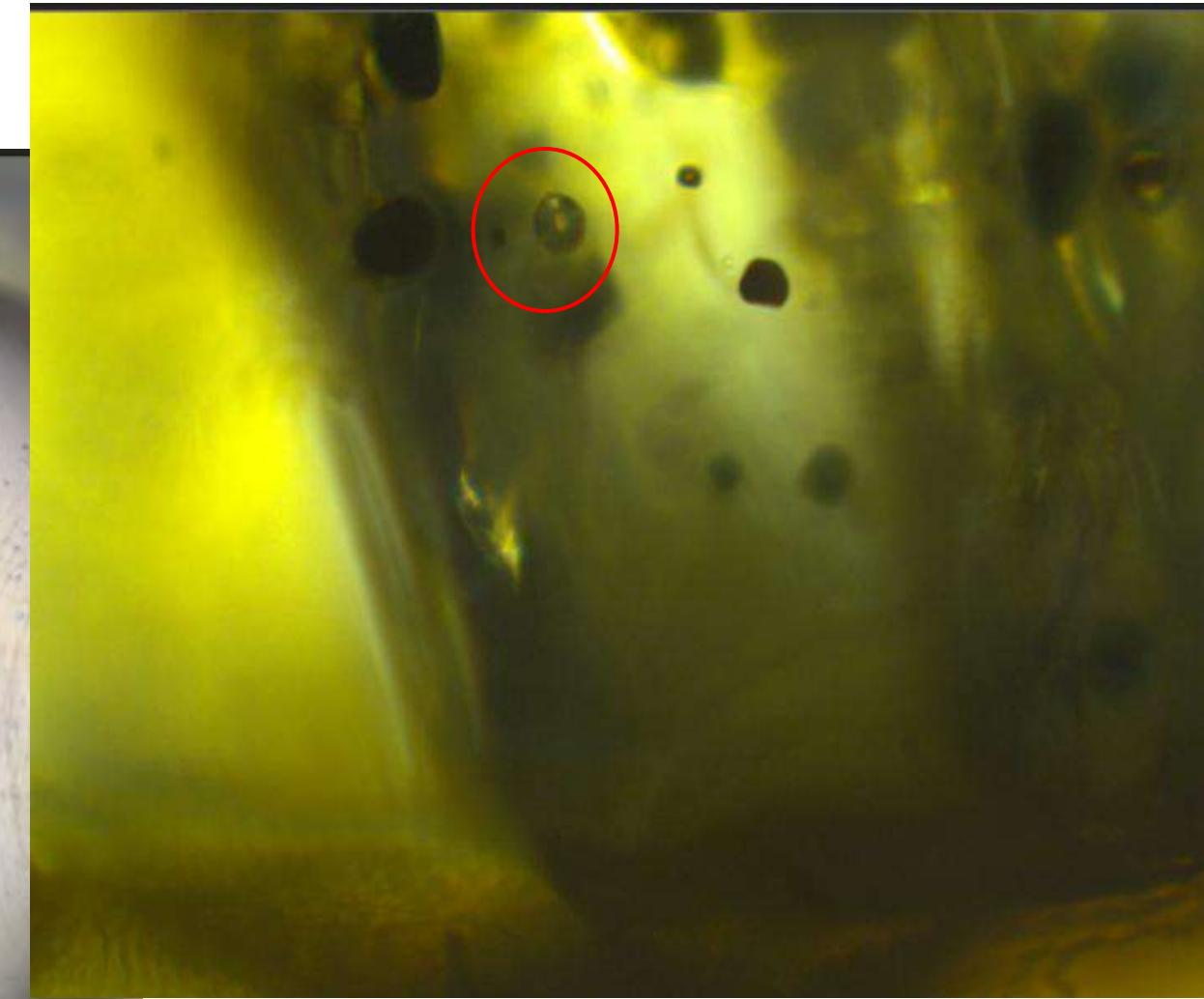
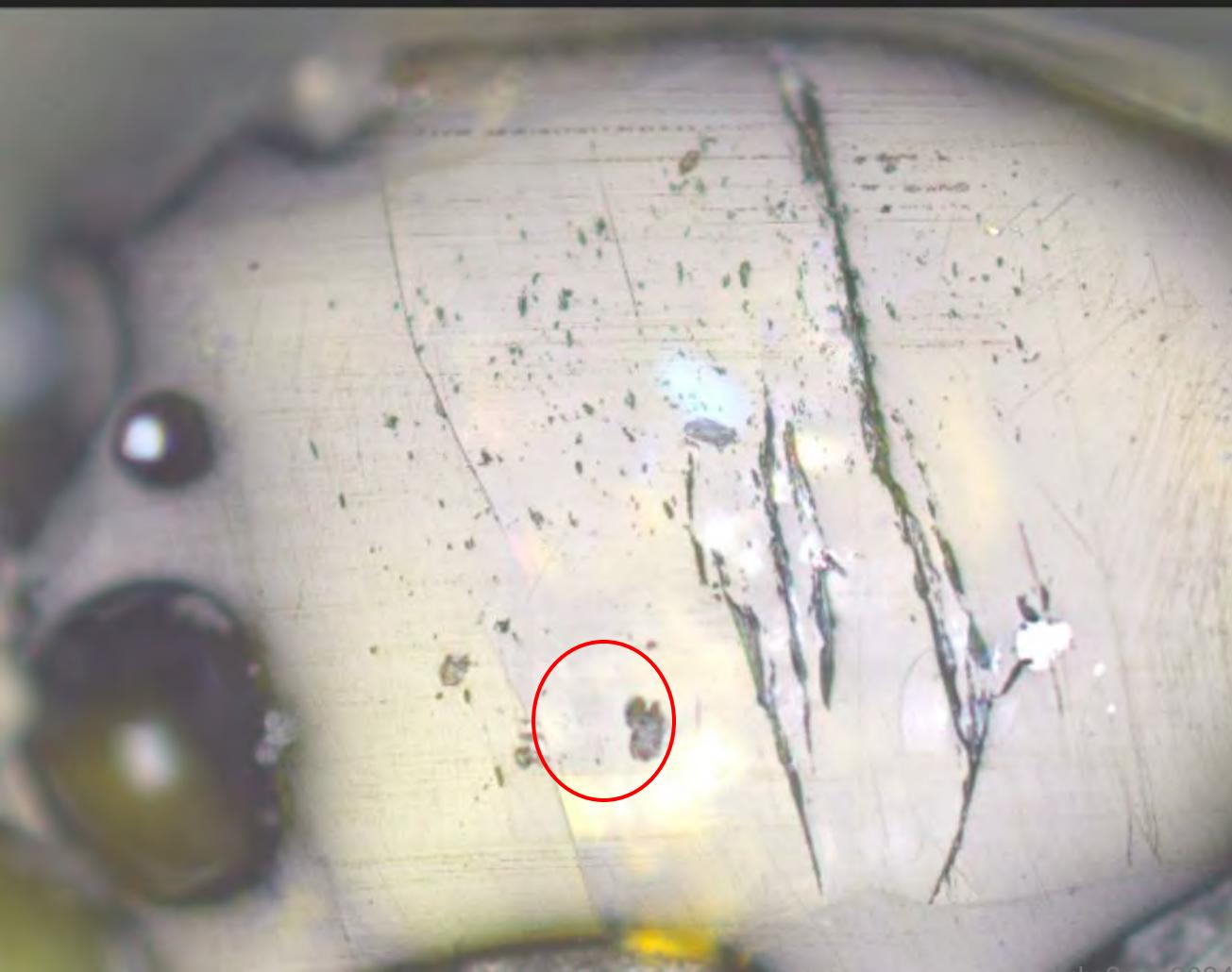


## M58\_c16\_a1\_FIB

	Filename	Mag	Width (µm)	Height (µm)
21	49 M58_c16_a1_FIB.txt	50	224.607	140.379



M58\_c17\_a1\_FIA

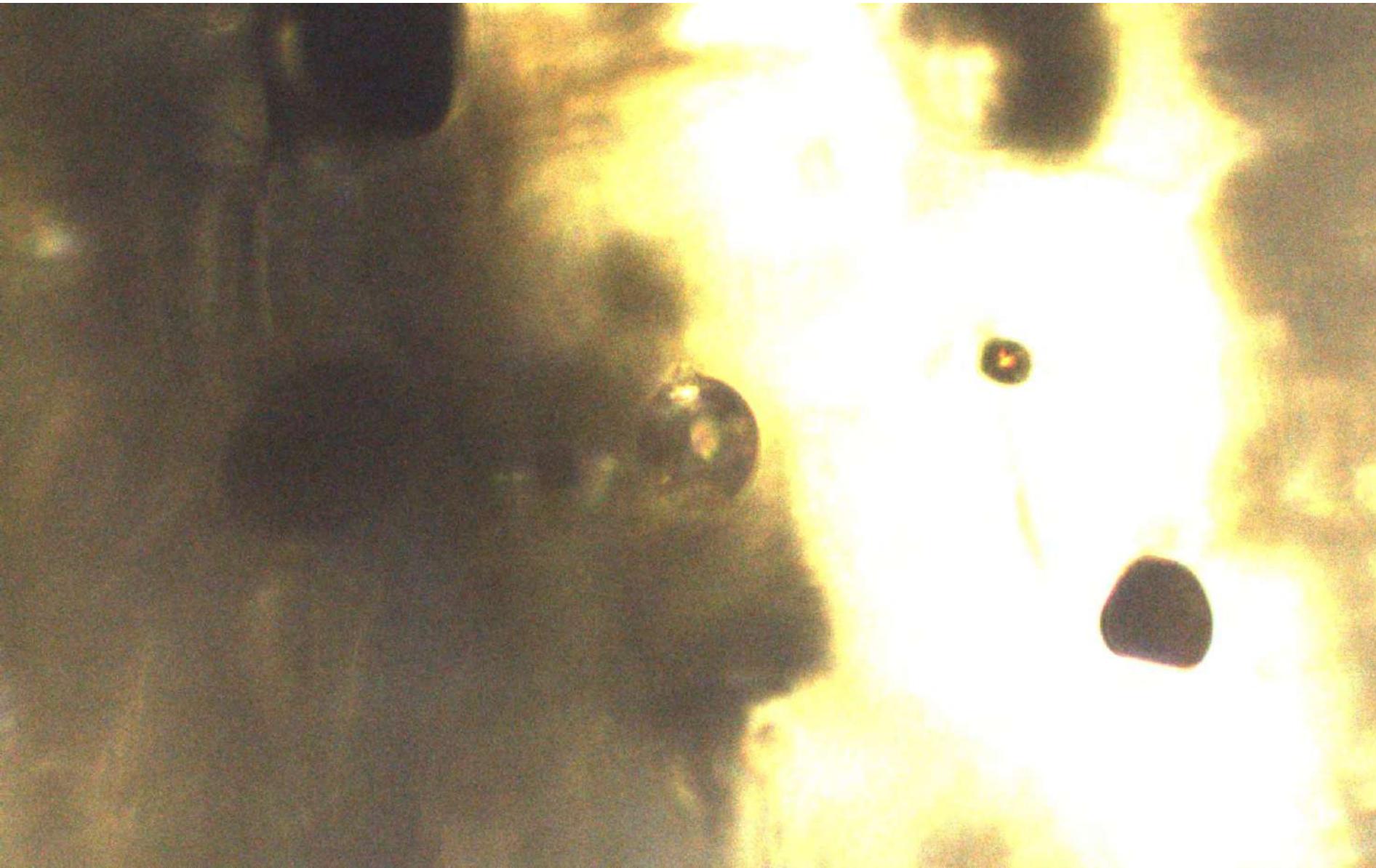


July 2nd, 2024 - 1950 AD

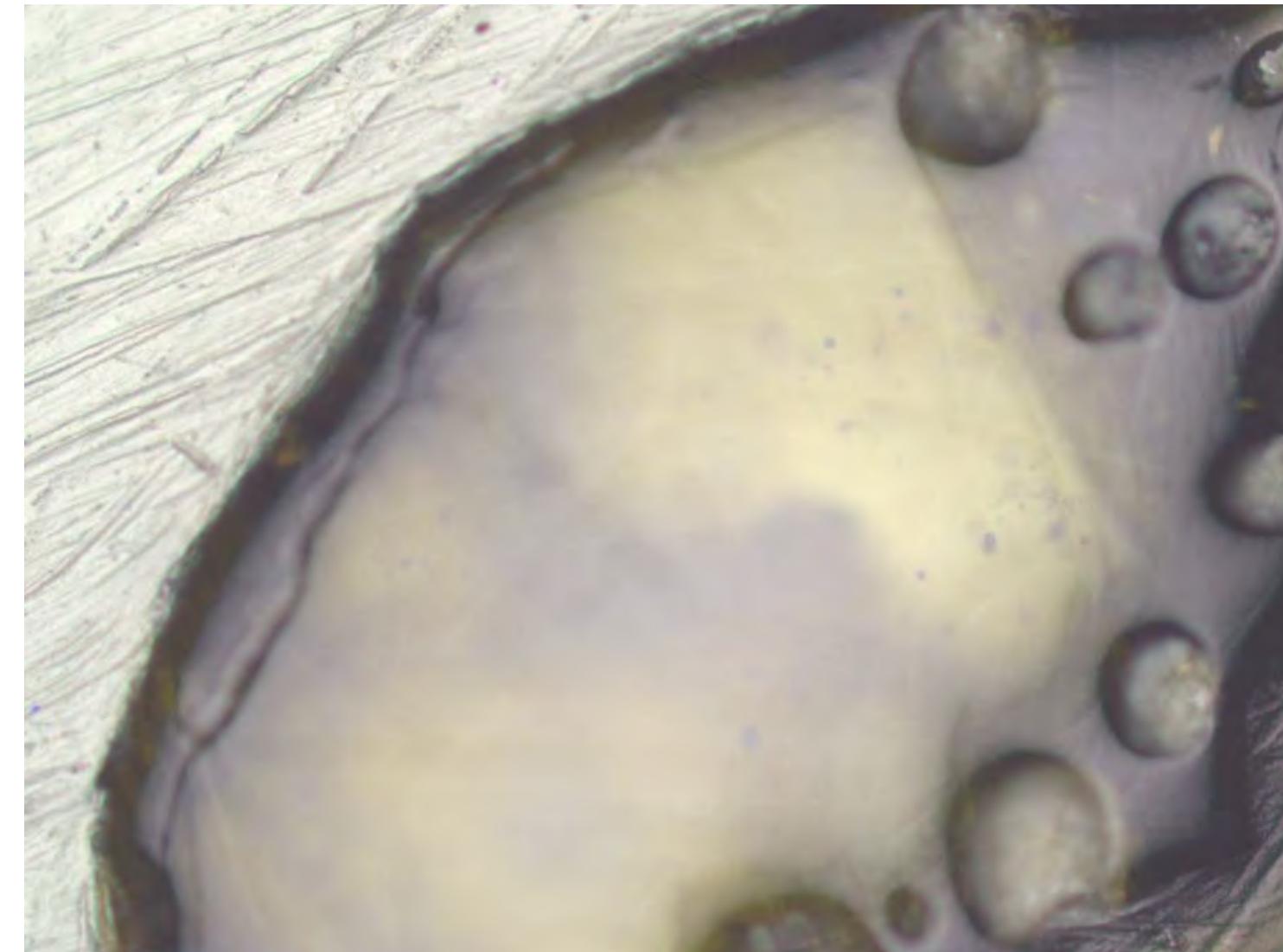
# M58\_c17\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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22	51 M58_c17_a1_FIA.txt	50	224.607	140.379
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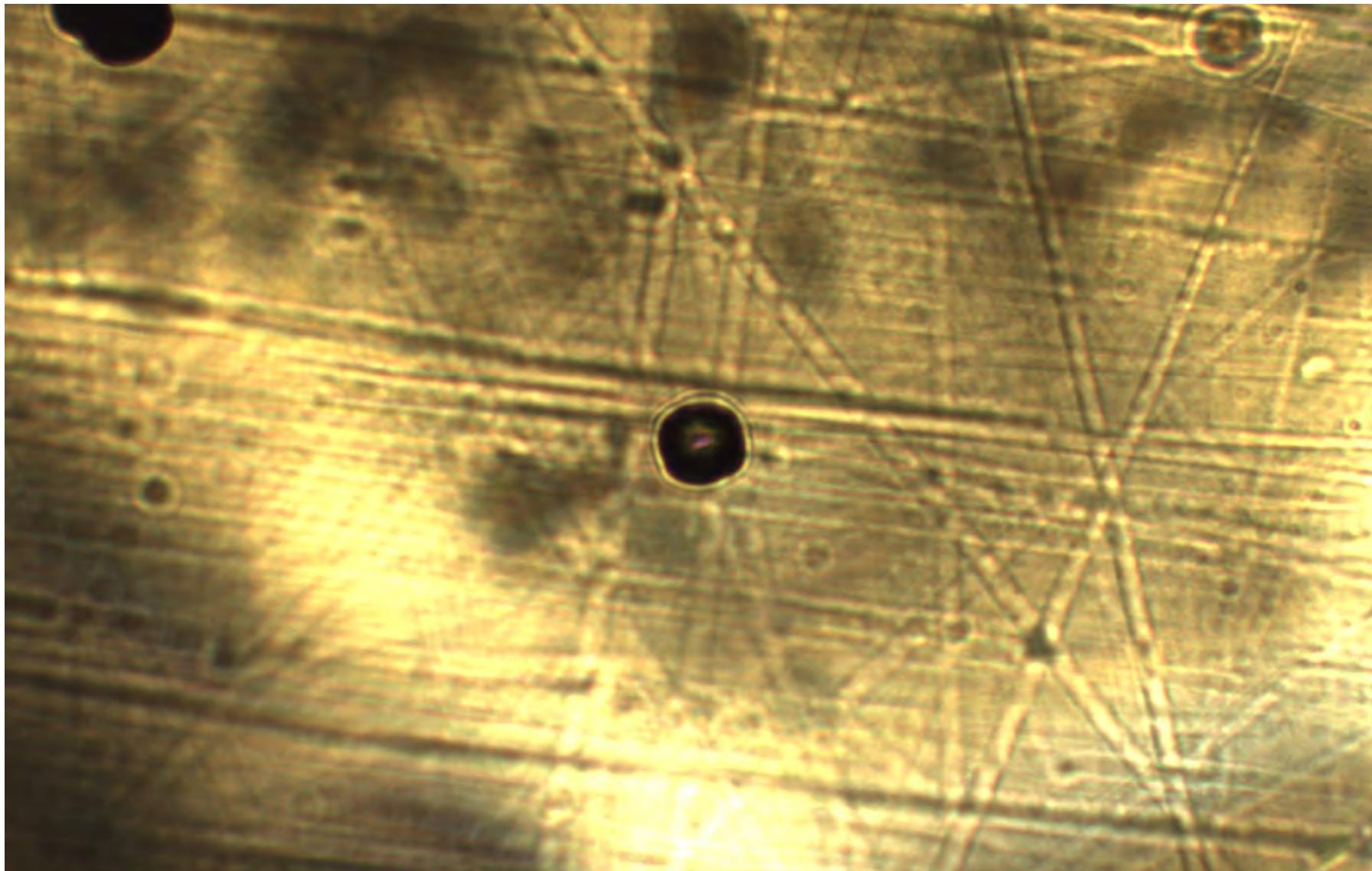
M58\_c19\_a1\_FIA – polished away, but loads more deeper could analyse again.



# M58\_c19\_a1\_FIA

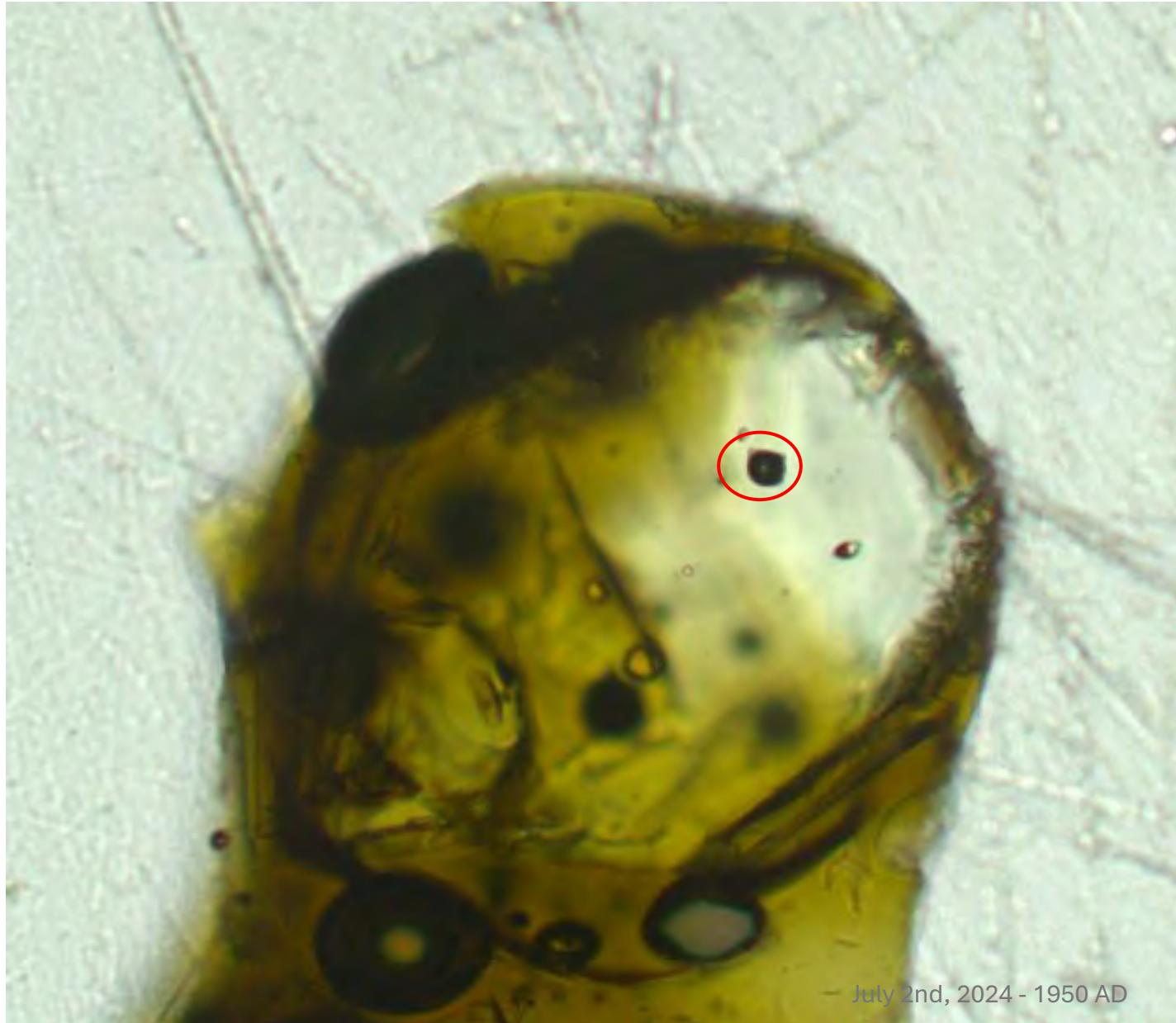
Filename	Mag	Width (μm)	Height (μm)
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24	54 M58_c19_a1_FIA.txt	50	224.607	140.379
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M58\_c20\_a1\_FIA – got plucked out during polishing

Dense! Still olvine

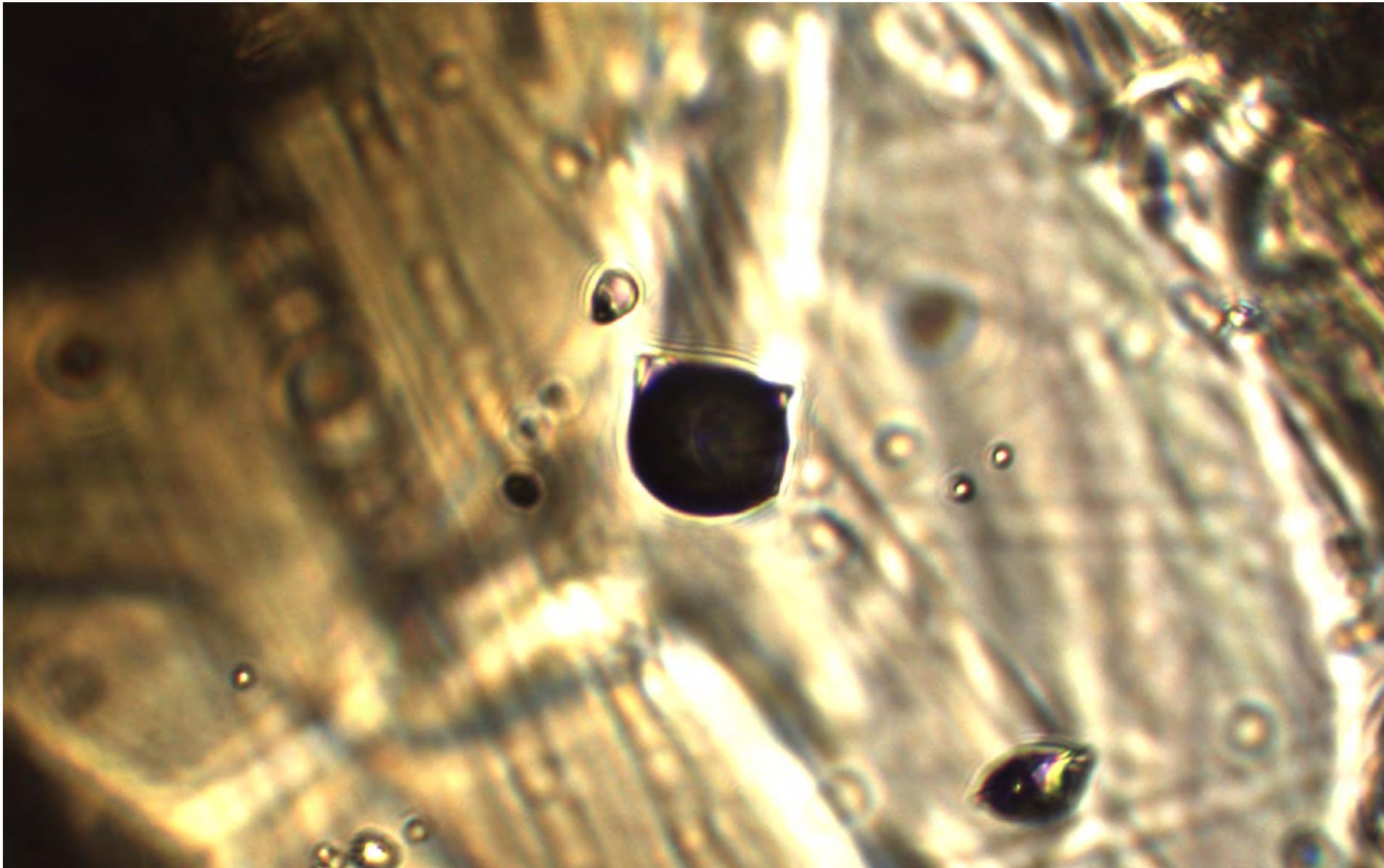


– July 2nd, 2024 - 1950 AD

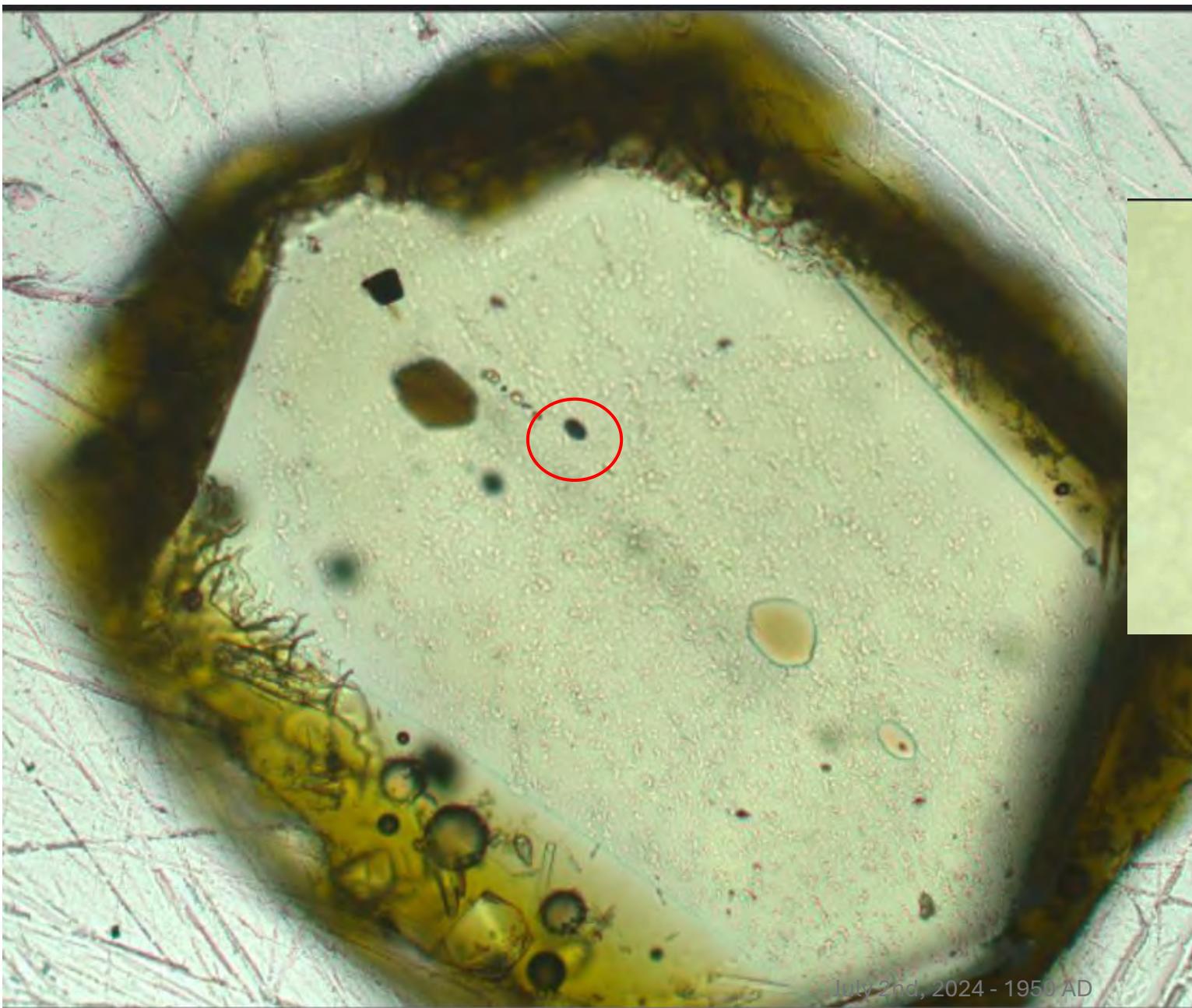
# M58\_c20\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
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25	56 M58_c20_a1_FIA.txt	50	224.607	140.379
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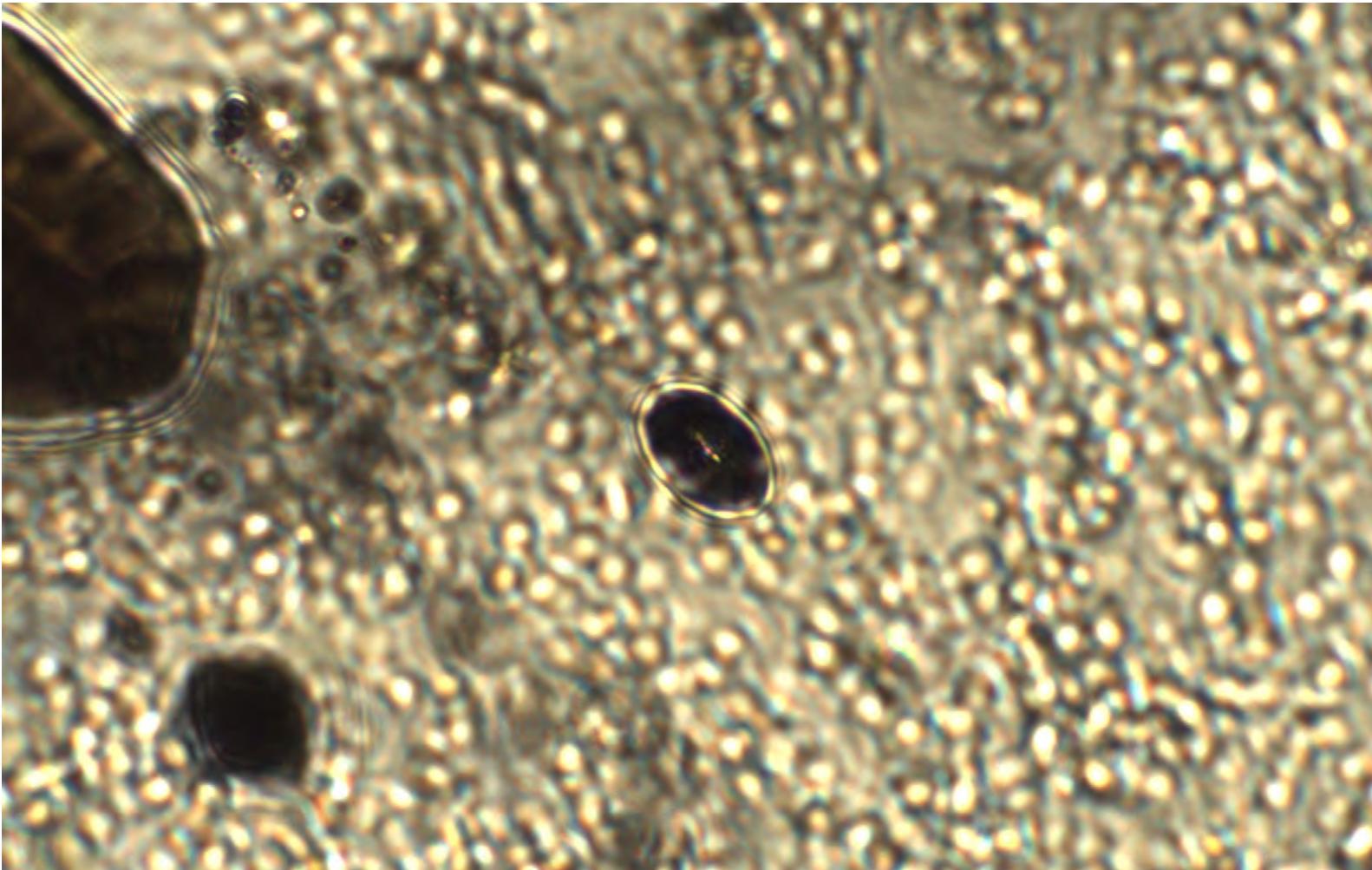
M58\_c23\_a1\_FIA – very deep, likely mounted upsidedown



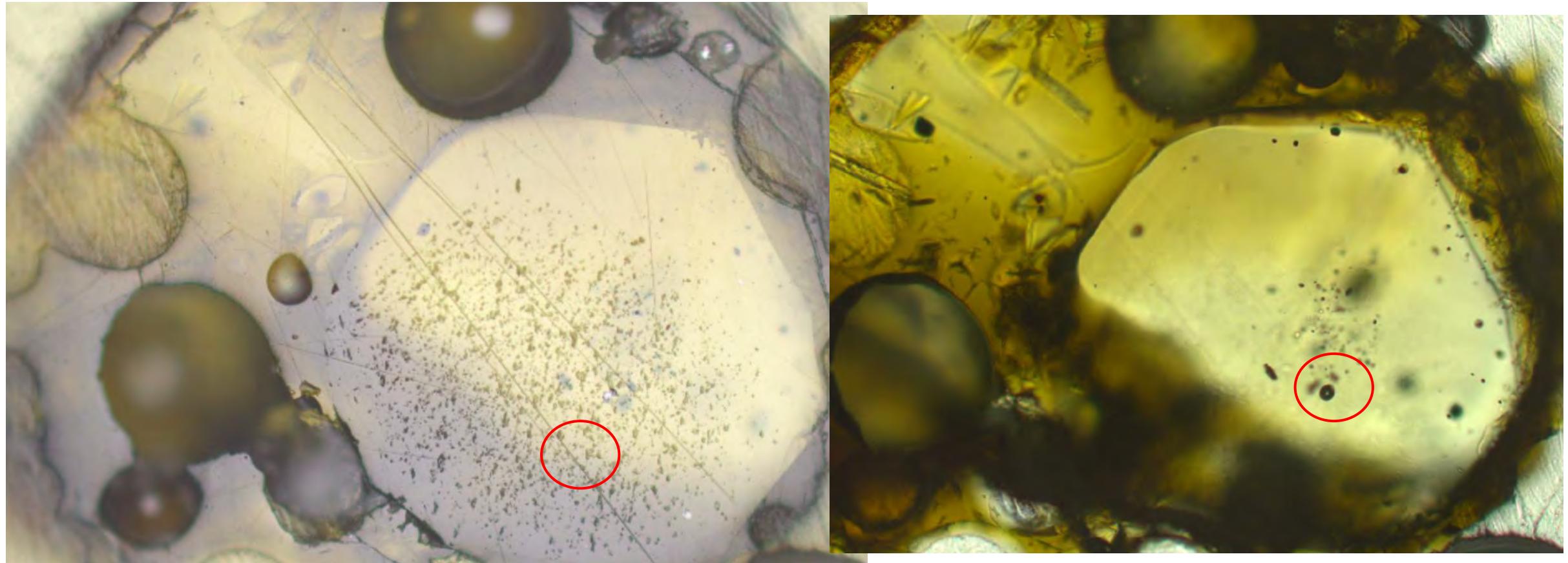
July 2nd, 2024 - 1950 AD

# M58\_c23\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
26	59 M58_c23_a1_FIA.txt	50	224.607	140.379

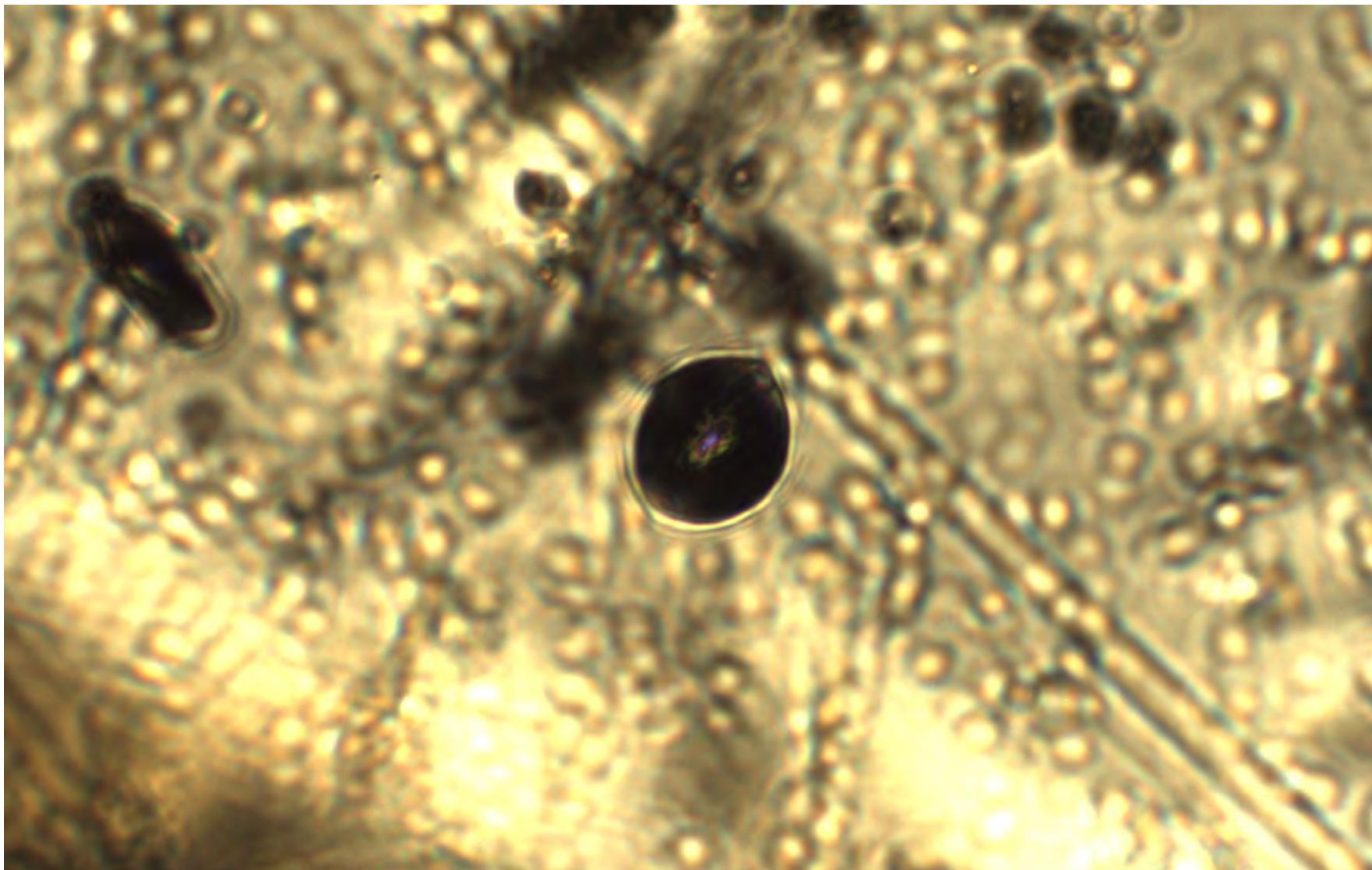


M58\_c24\_a1\_FIA – FI lost during mount making as ground down.



# M58\_c24\_a1\_FIA

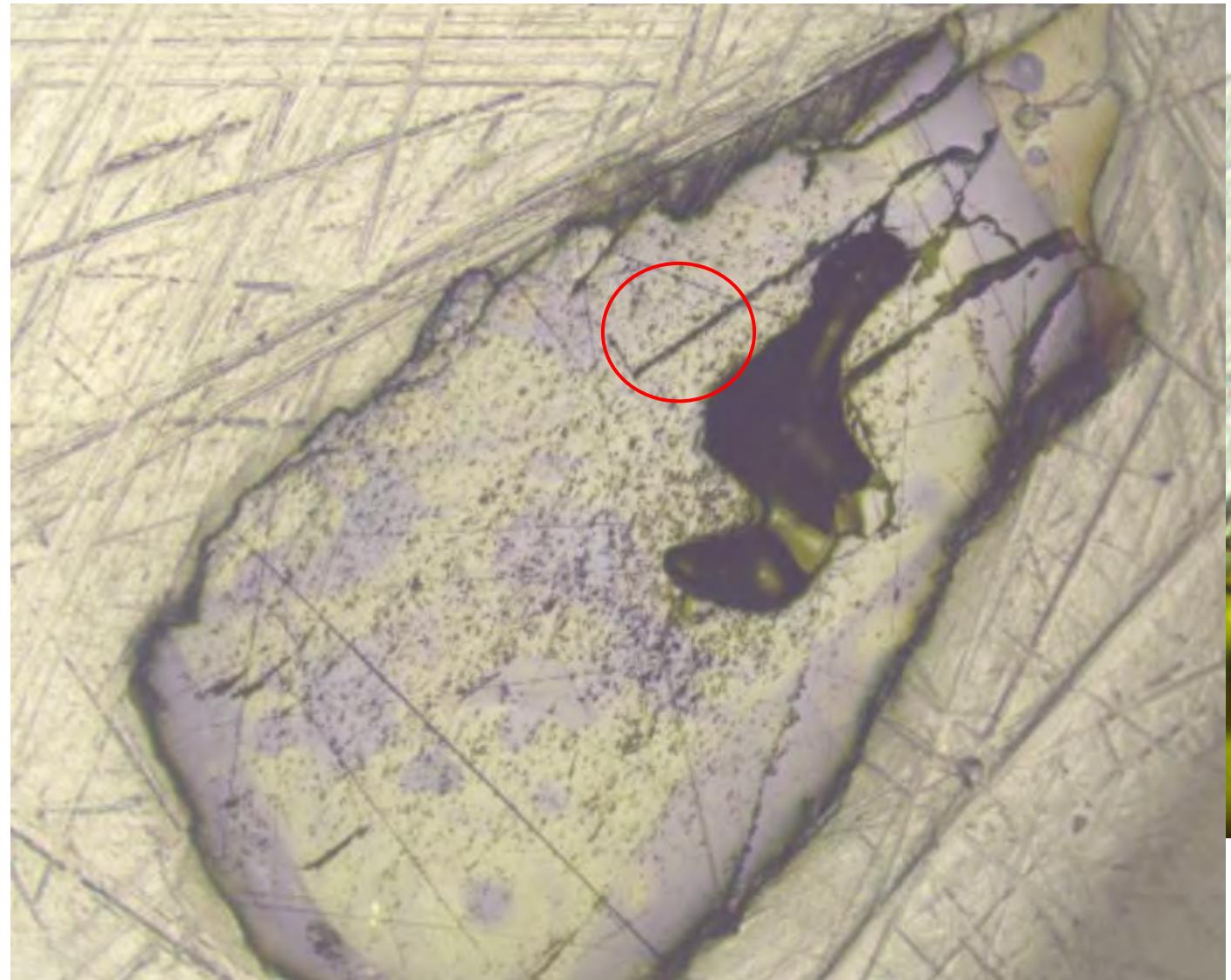
	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
27	61 M58_c24_a1_FIA.txt	50	224.607	140.379



July 2nd, 2024 - 1950 AD

M58\_c25\_a1\_FIA

Good diad, not super strong tho

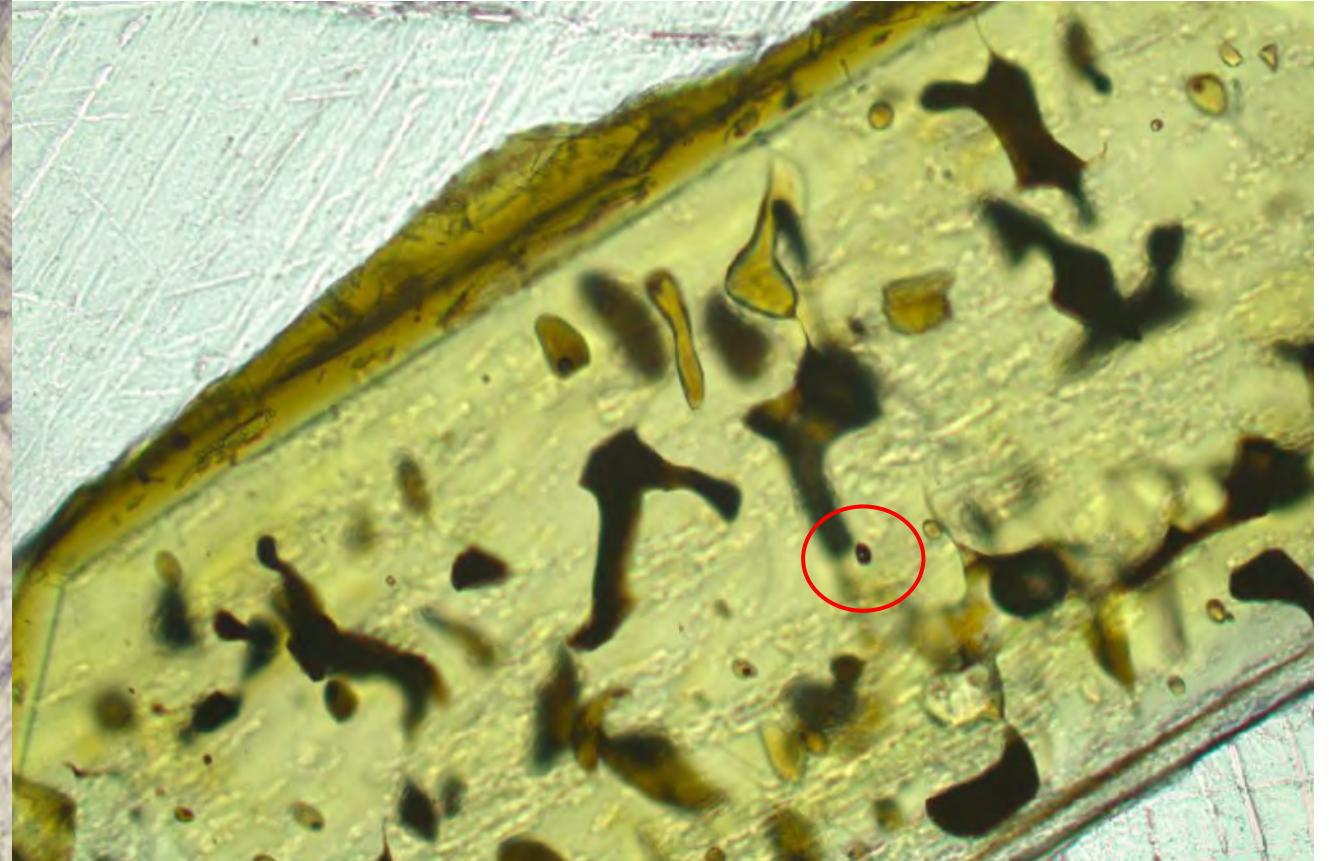


# M58\_c25\_a1\_FIA

	<b>Filename</b>	<b>Mag</b>	<b>Width (μm)</b>	<b>Height (μm)</b>
2	07 M58_c25_a1_FIA.txt	50	224.607	140.379

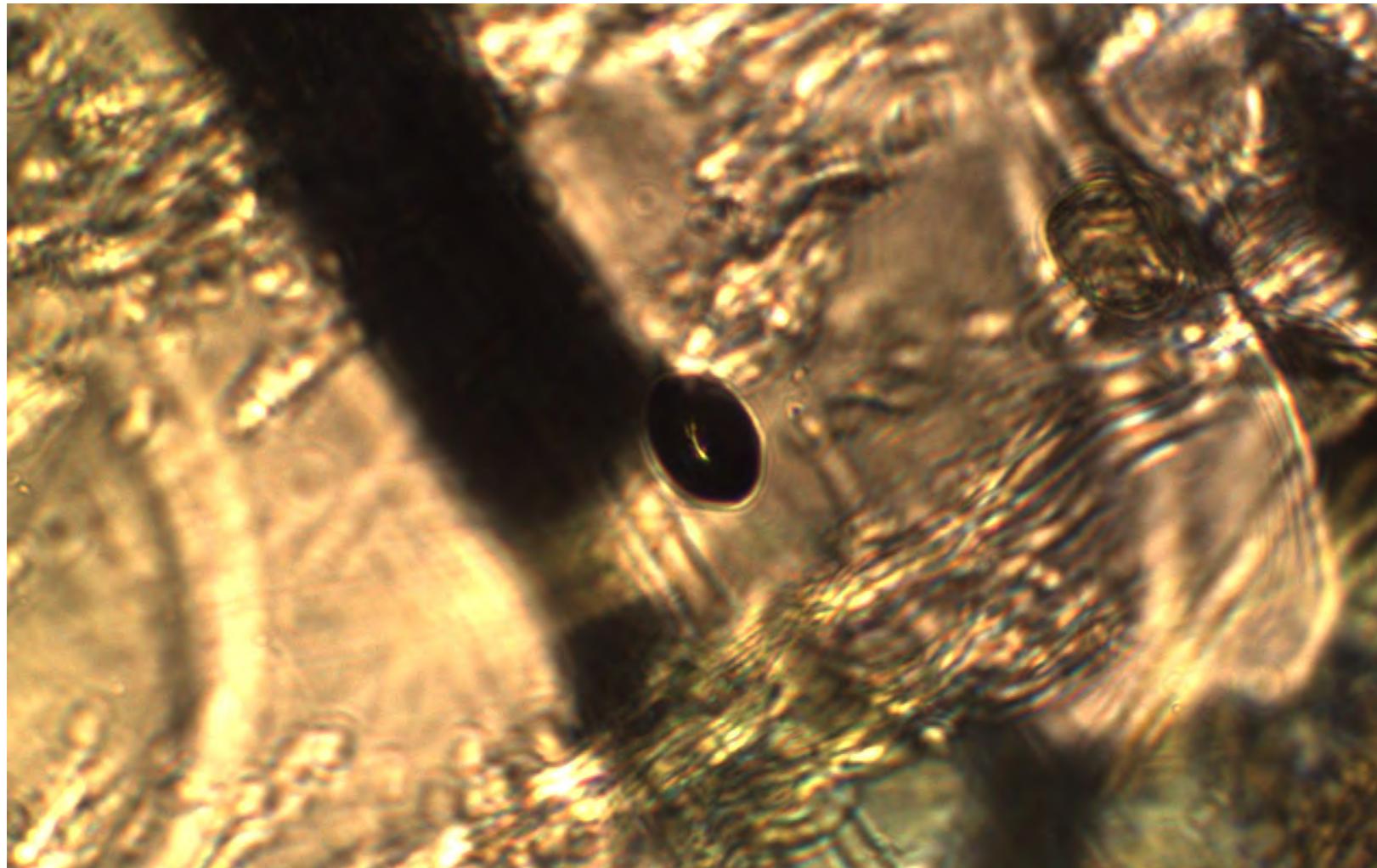
M58\_c26\_a1\_FIA

Crazy amounts of SO<sub>2</sub>, double peak.



# M58\_c26\_a1\_FIA

	Filename	Mag	Width (μm)	Height (μm)
1	04 M58_c26_a1_FIA.txt	50	224.607	140.379

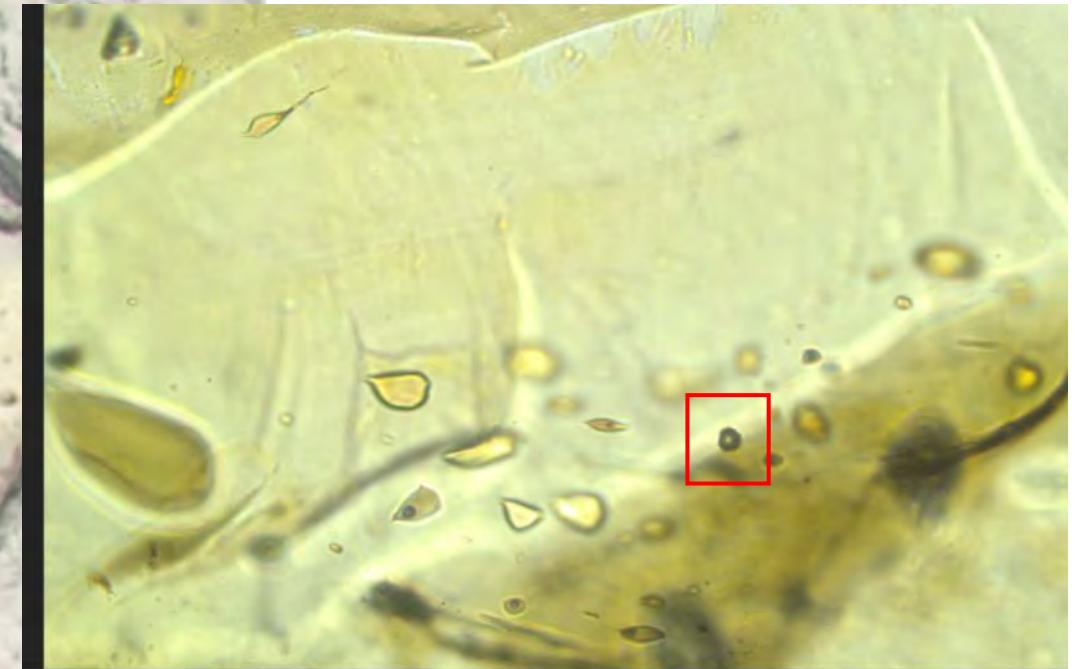


# Folder: 07\_08\_2024\_1950andalexpart2

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

M58\_c28\_a1\_FIA

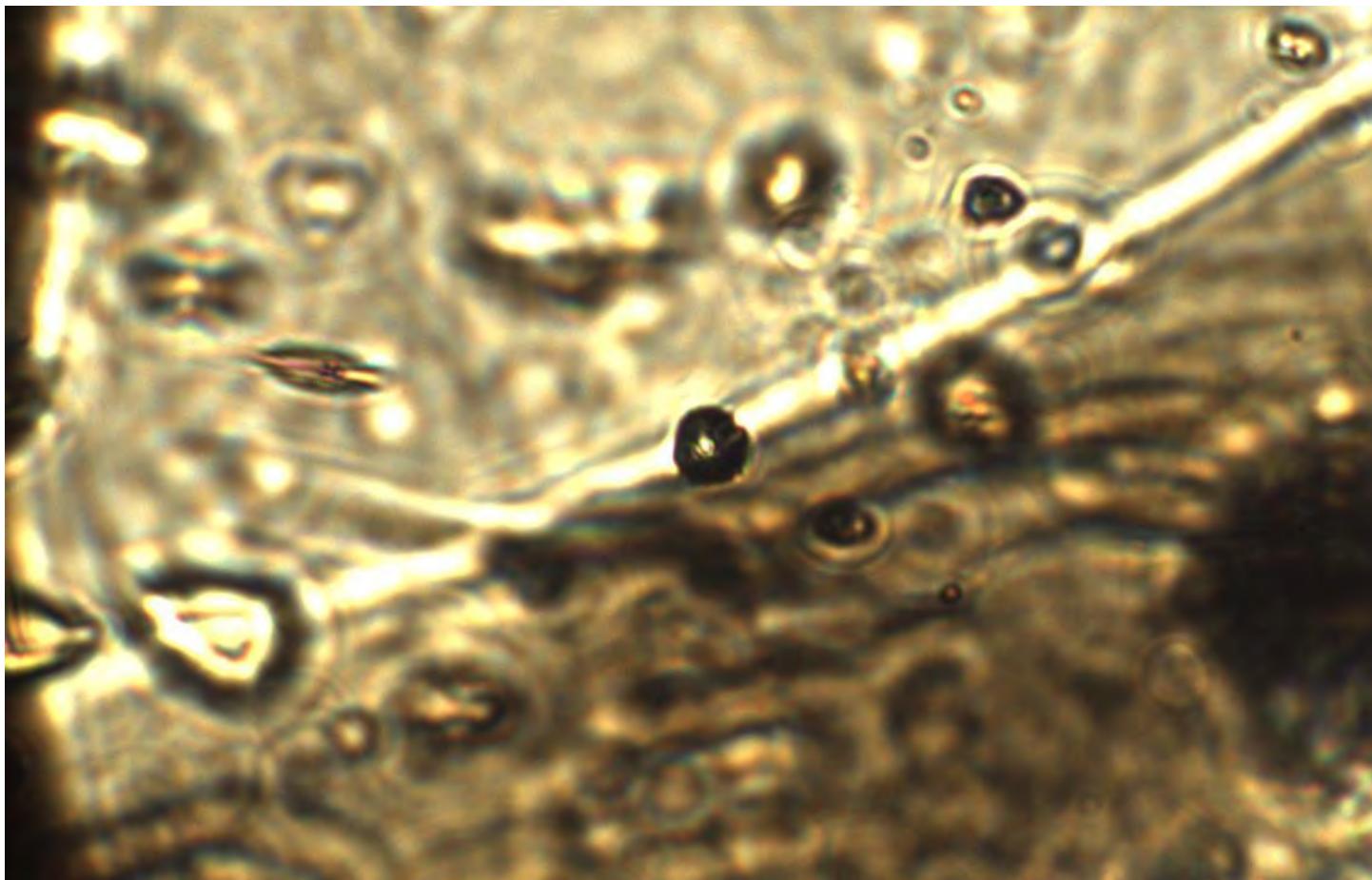
Has diad, but weak, had to do at 100X



# M58\_c28\_a1\_FIA

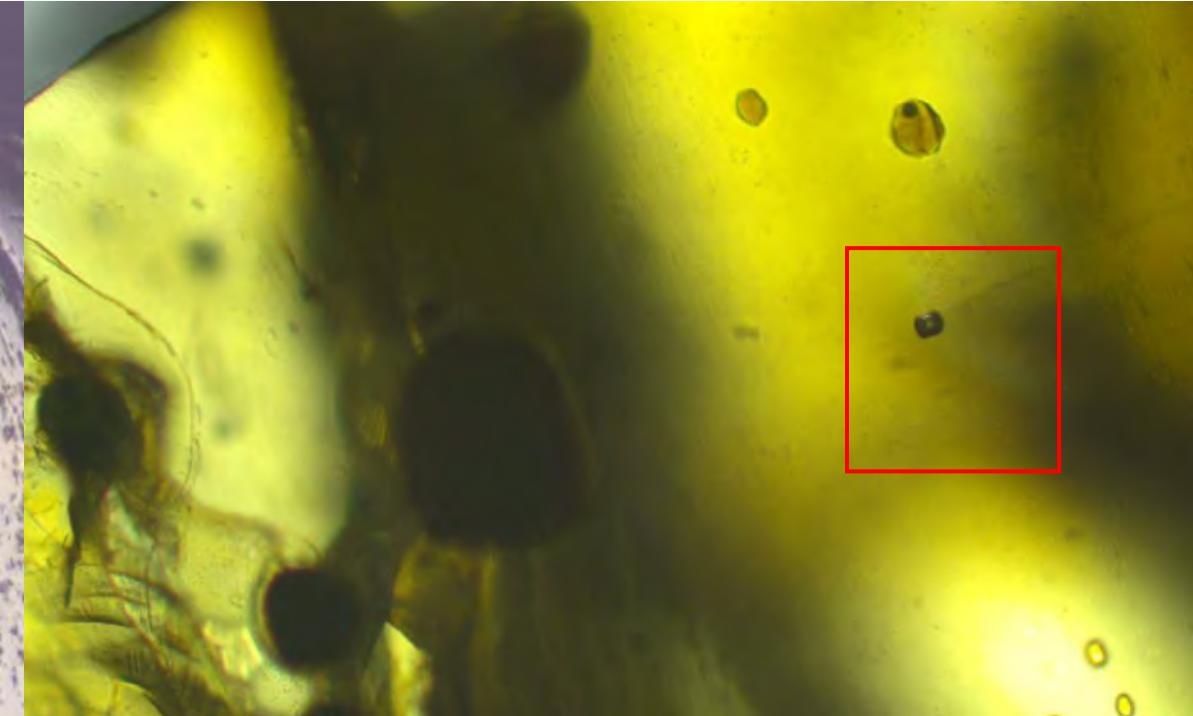
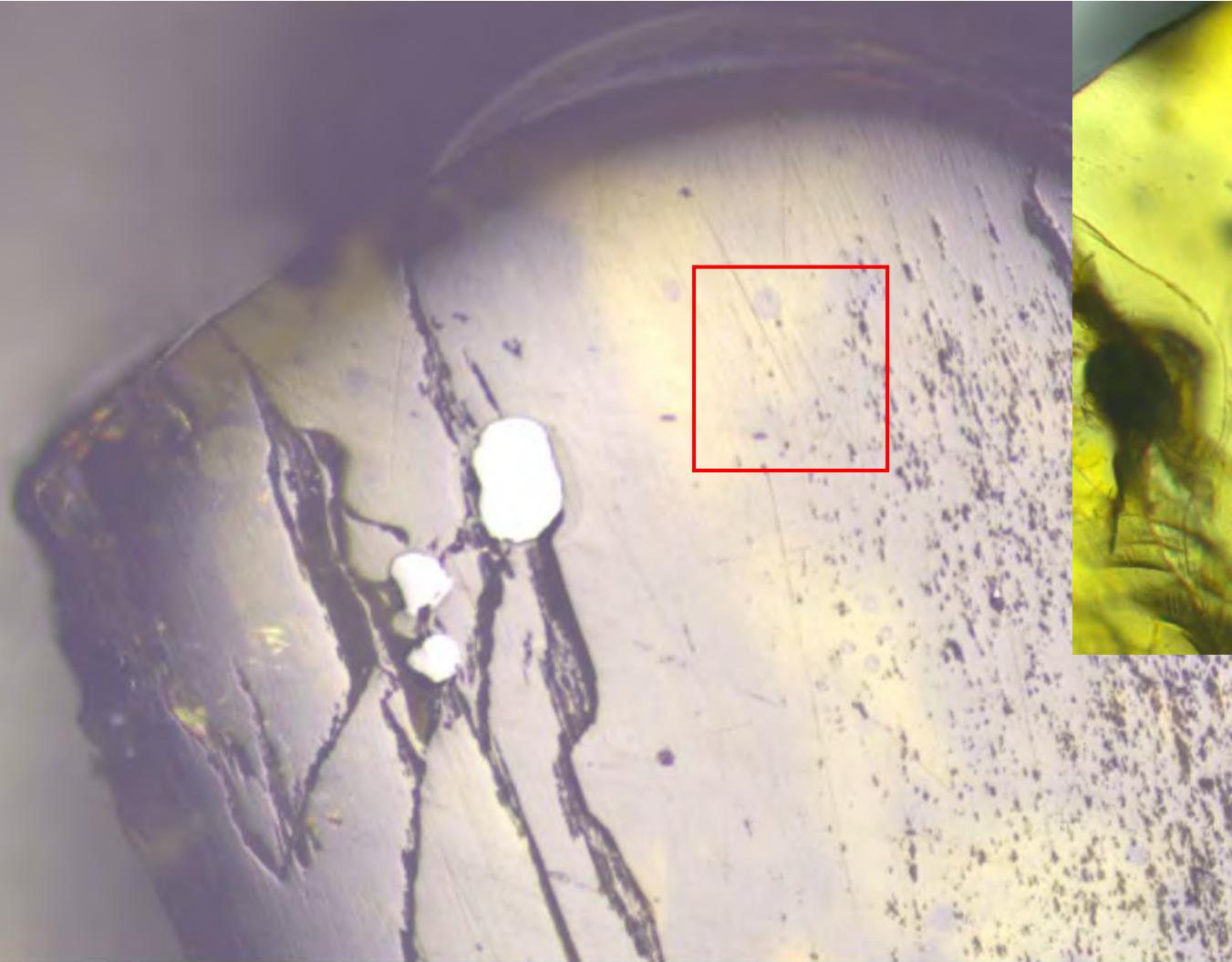
	Filename	Mag	Width (µm)	Height (µm)
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1	05 M58_c28_a1_FIA_100X.txt	100	111.496	69.685
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M58\_c29\_a1\_FIA

Diad = yes, fair amount of SO<sub>2</sub>

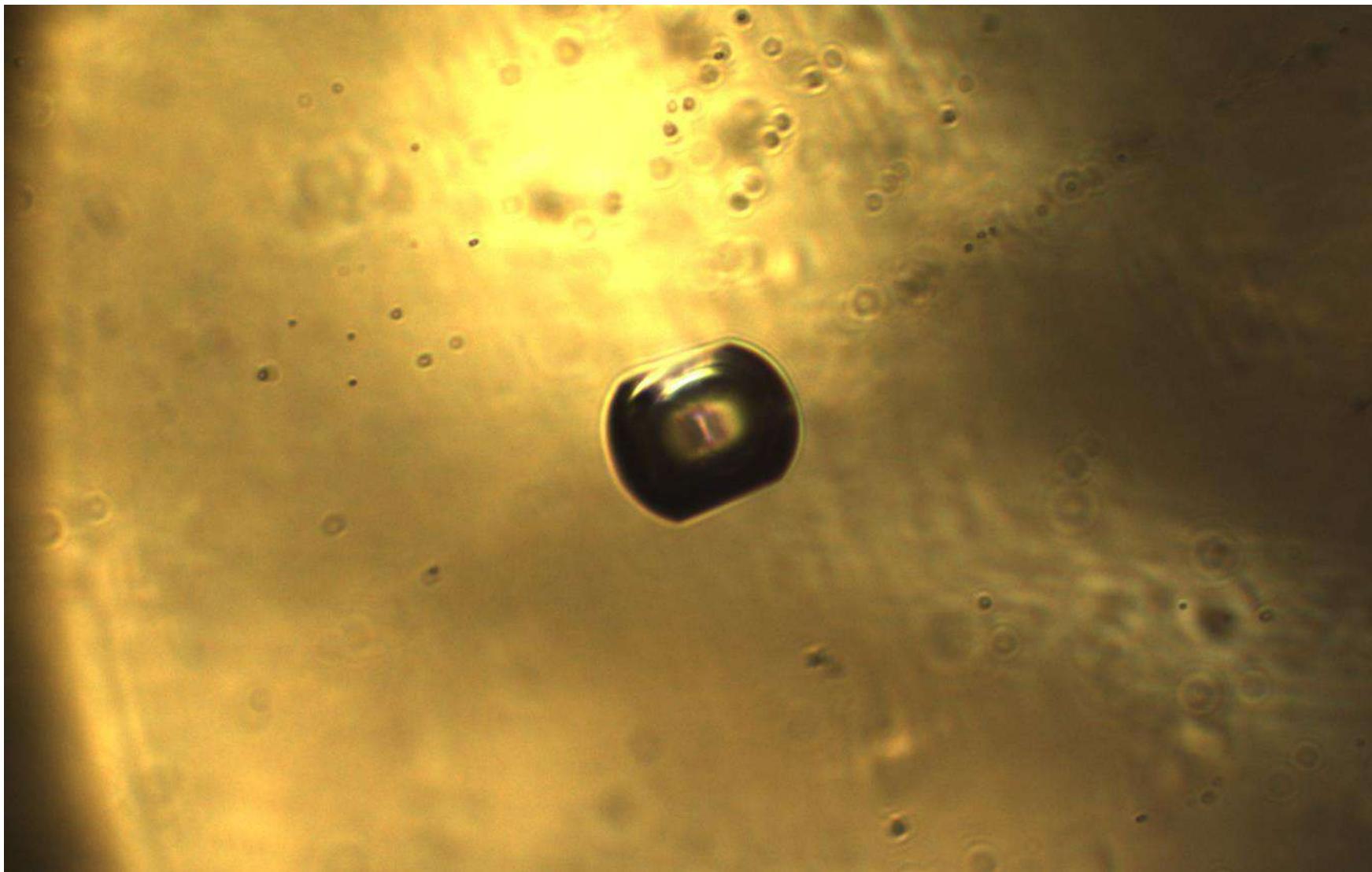


8th July 2024 - 1950 and Alexs samples

# M58\_c29\_a1\_FIA

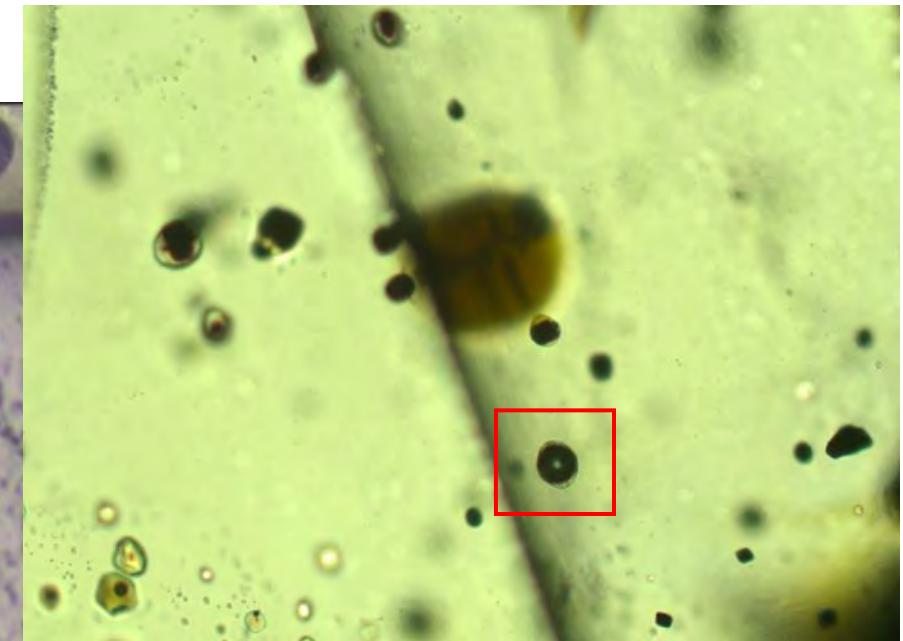
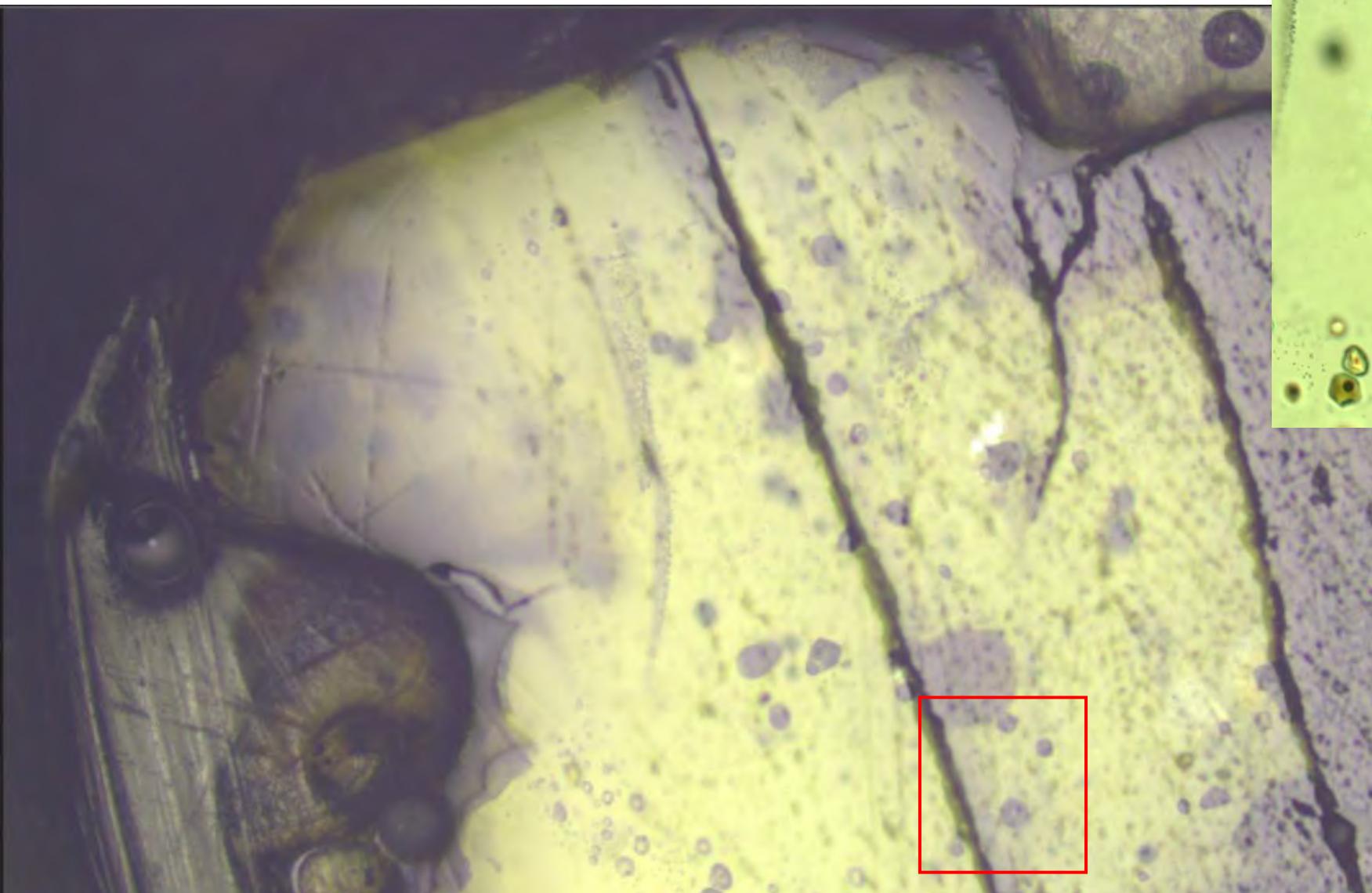
	Filename	Mag	Width (µm)	Height (µm)
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2	09 M58_c29_a1_FIA.txt	50	224.607	140.379
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8th July 2024 - 1950 and Alexs samples

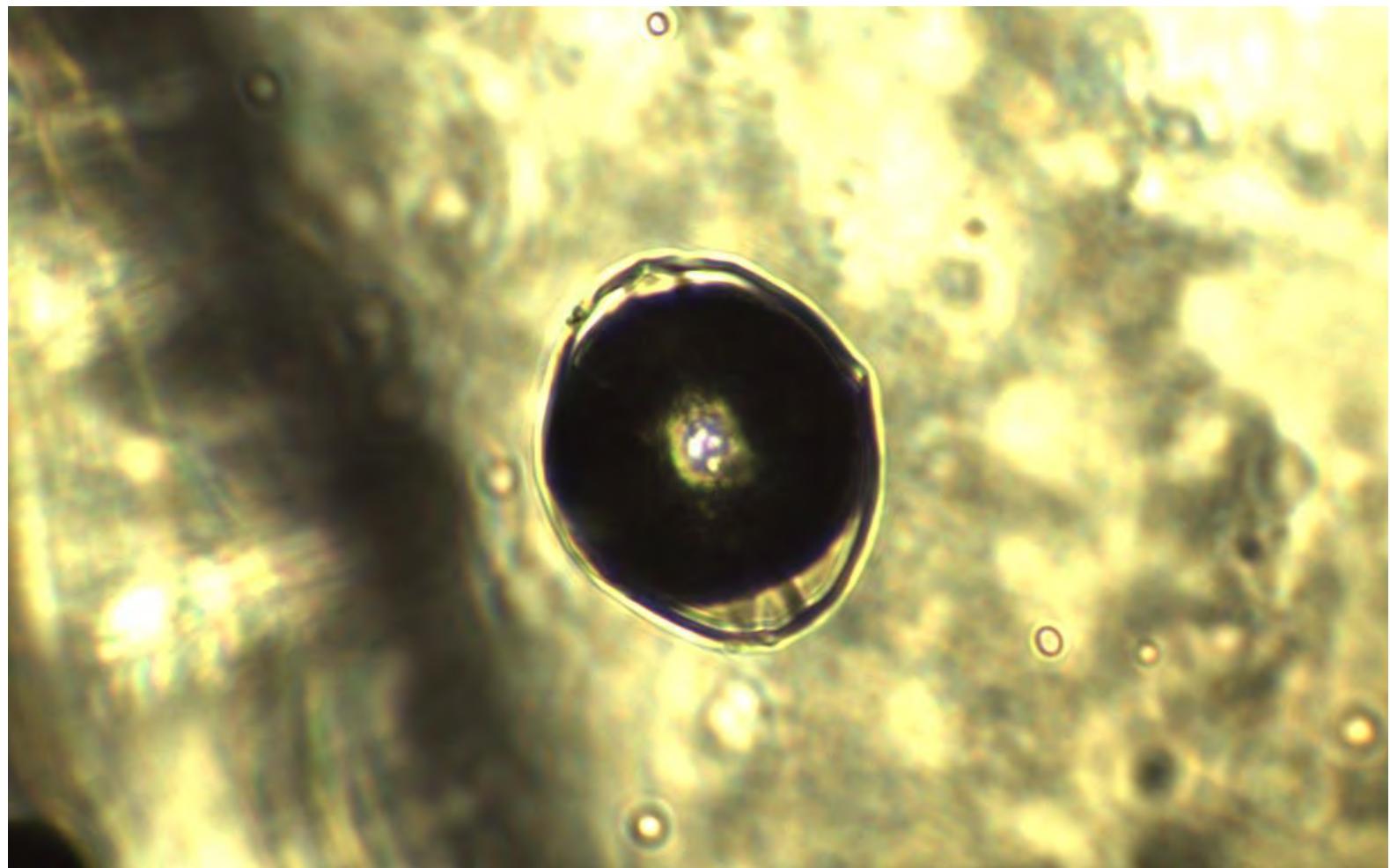
M58\_30\_a1\_FIA – First analysis moved can see secondary phases on walls



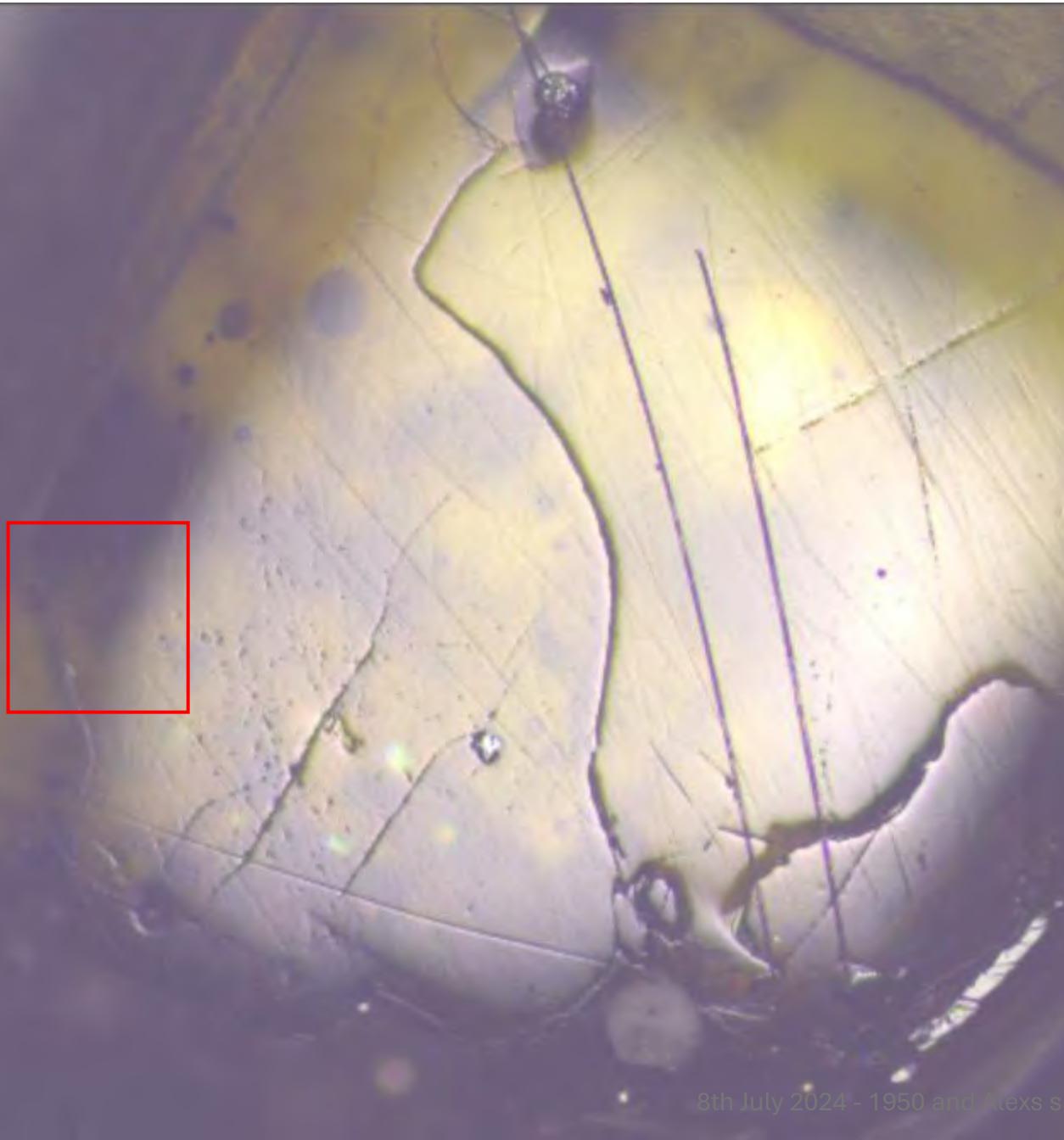
8th July 2024 - 1950 and Alexs samples

# M58\_c30\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
3	12 M58_c30_a1_FIA.txt	50	224.607	140.379



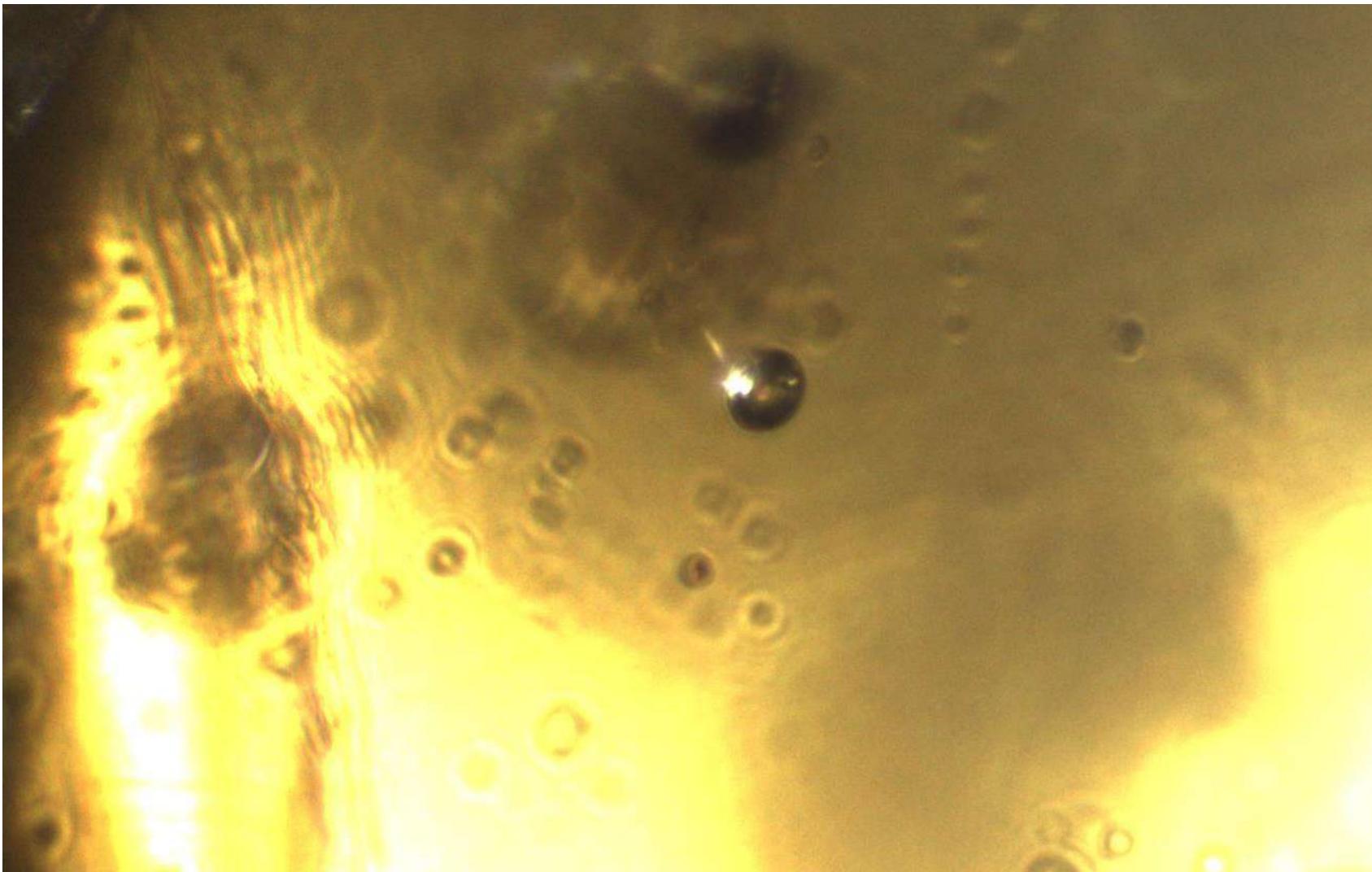
M58\_31\_a1\_FIA



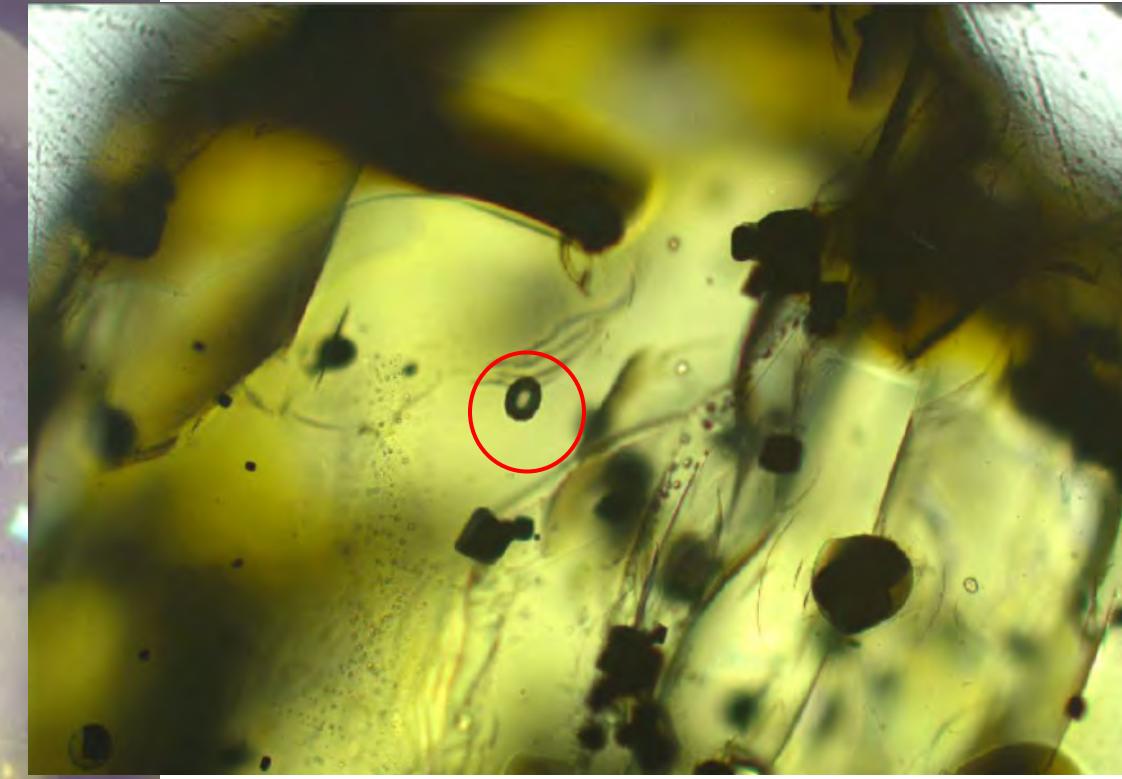
# M58\_c31\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
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4	14 M58_c31_a1_FIA.txt	50	224.607	140.379
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M58\_33\_a1\_FIA

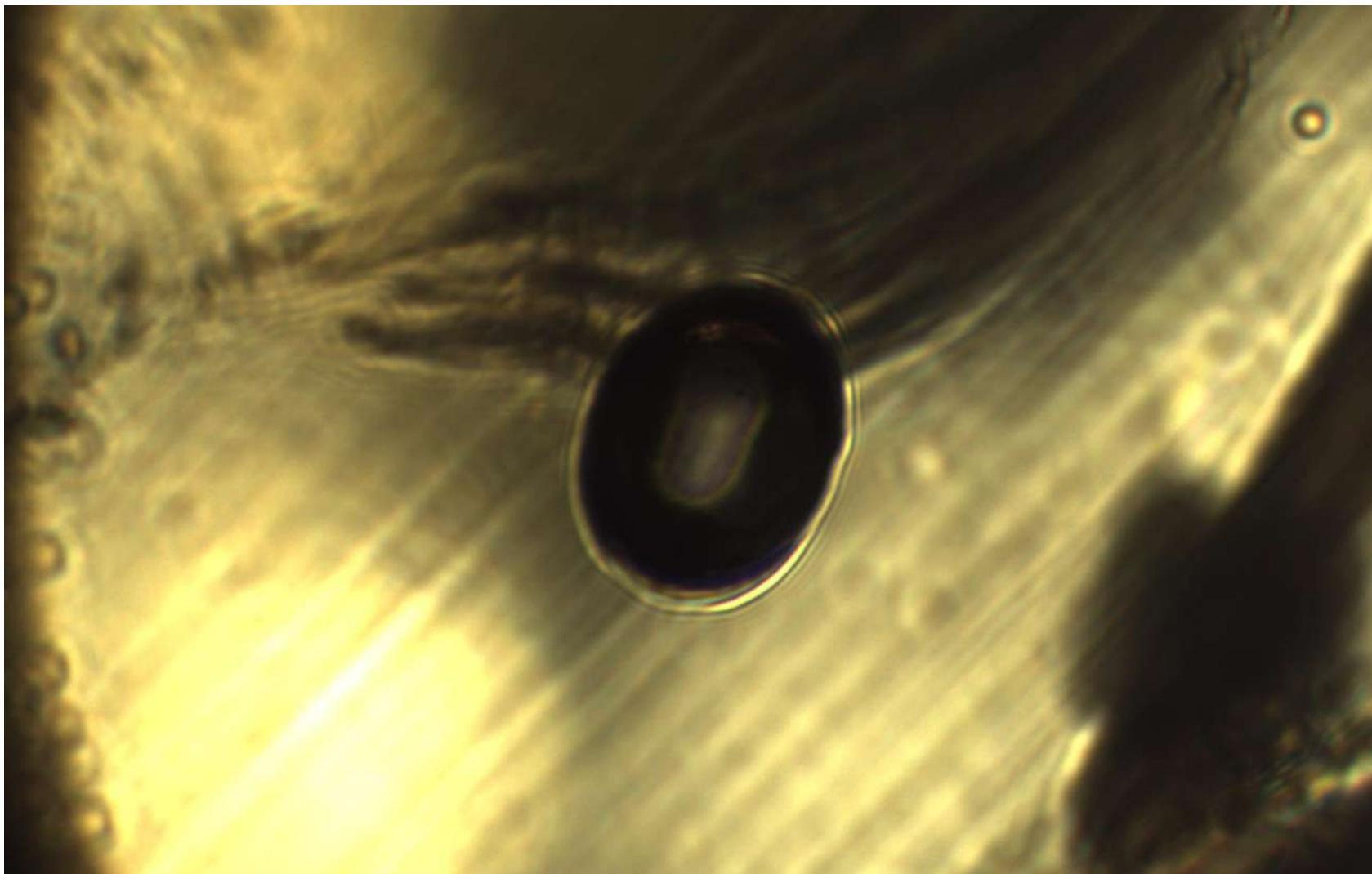


8th July 2024 - 1950 and Alexs samples

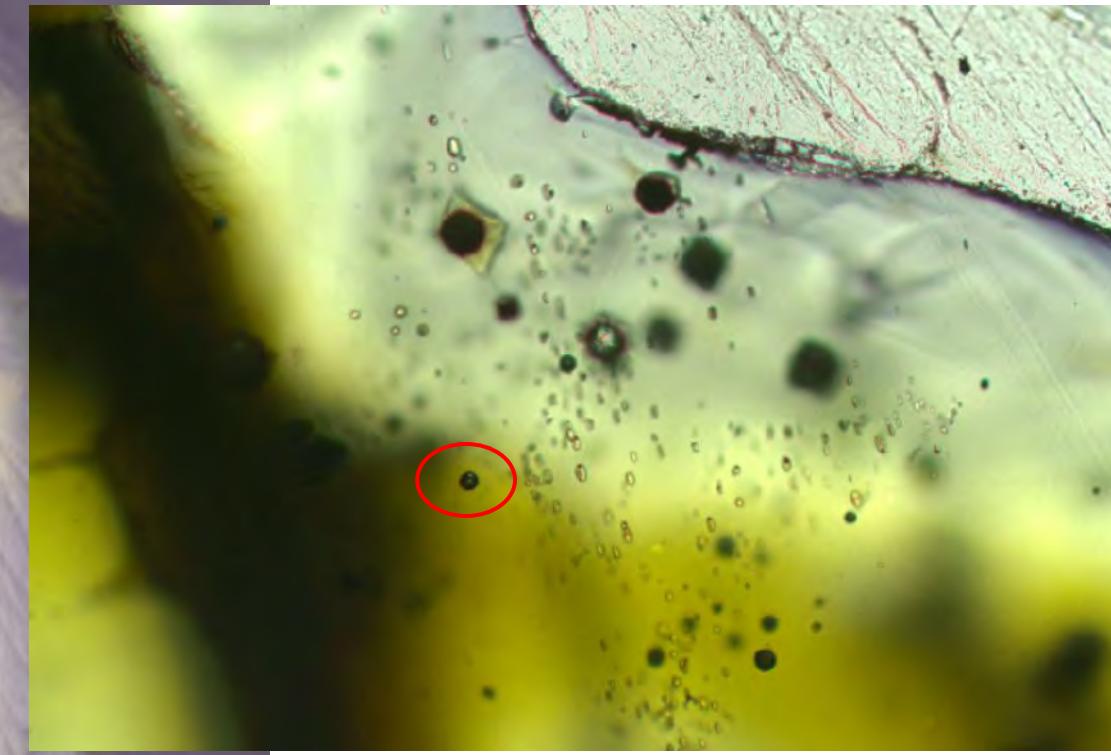
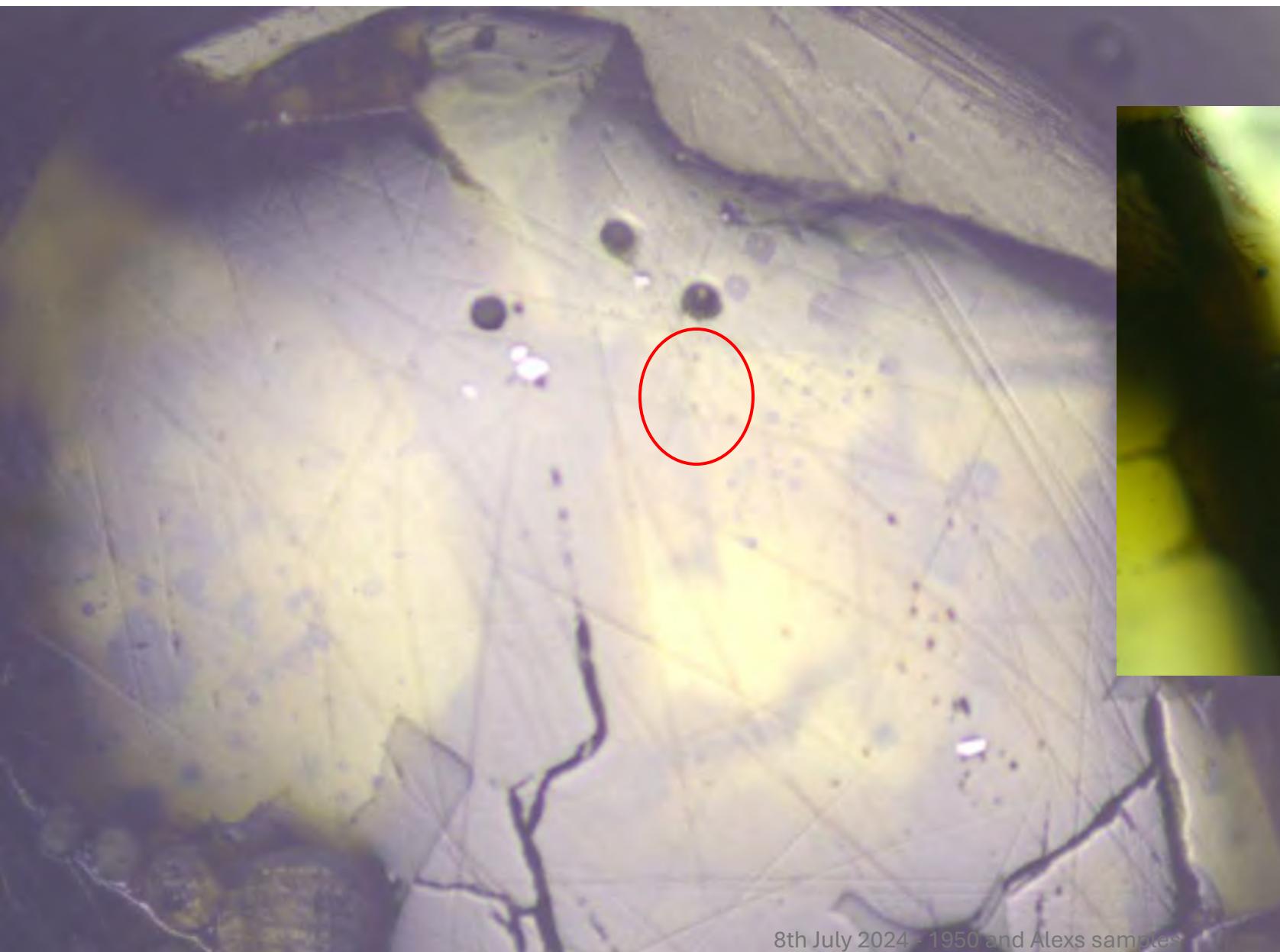
# M58\_c33\_a1\_FIA

	Filename	Mag	Width (μm)	Height (μm)
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6	20 M58_c33_a1_FIA.txt	50	224.607	140.379
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M58\_34\_a1\_FIA

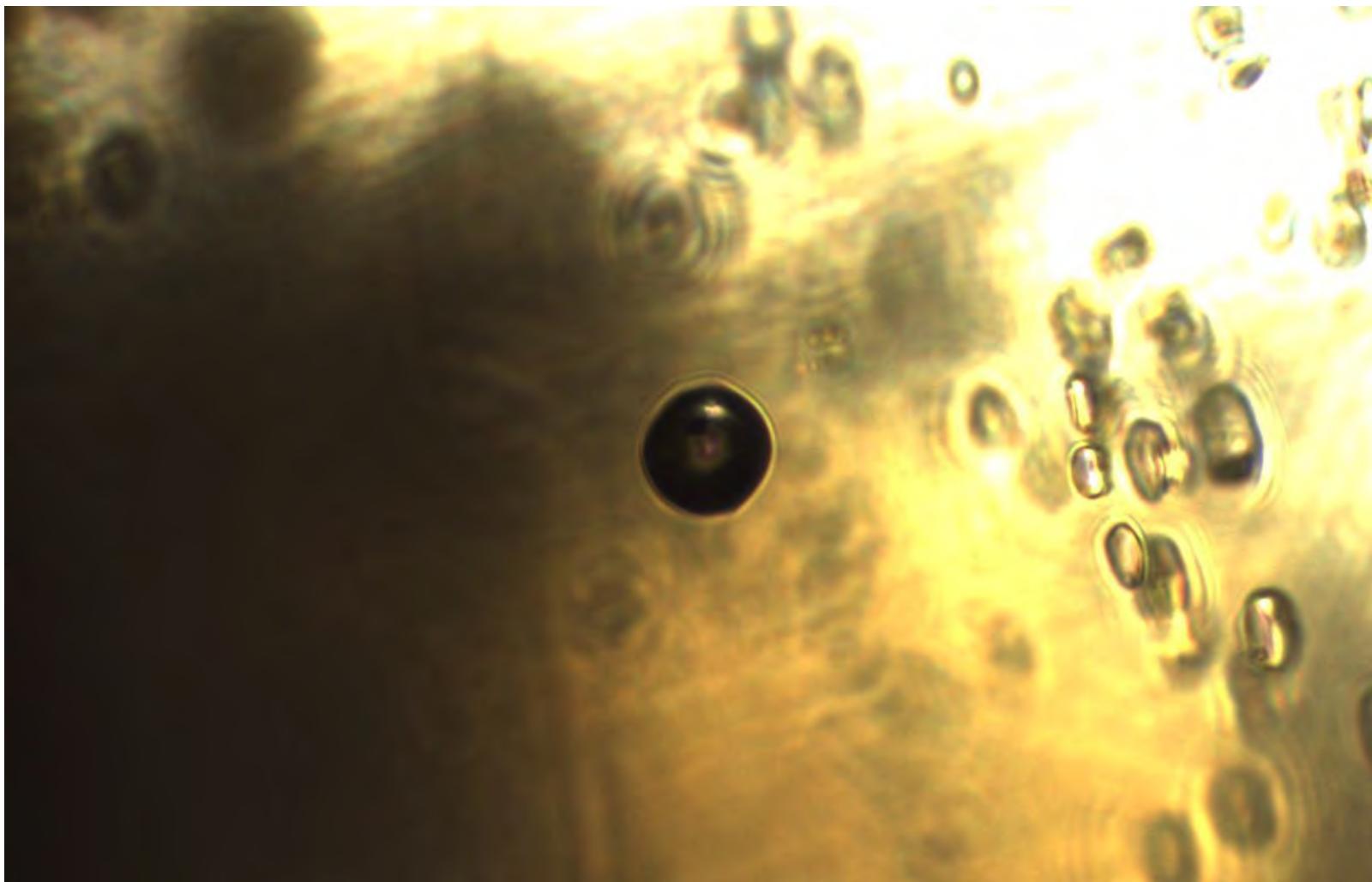


8th July 2024 - 1950 and Alexs samples

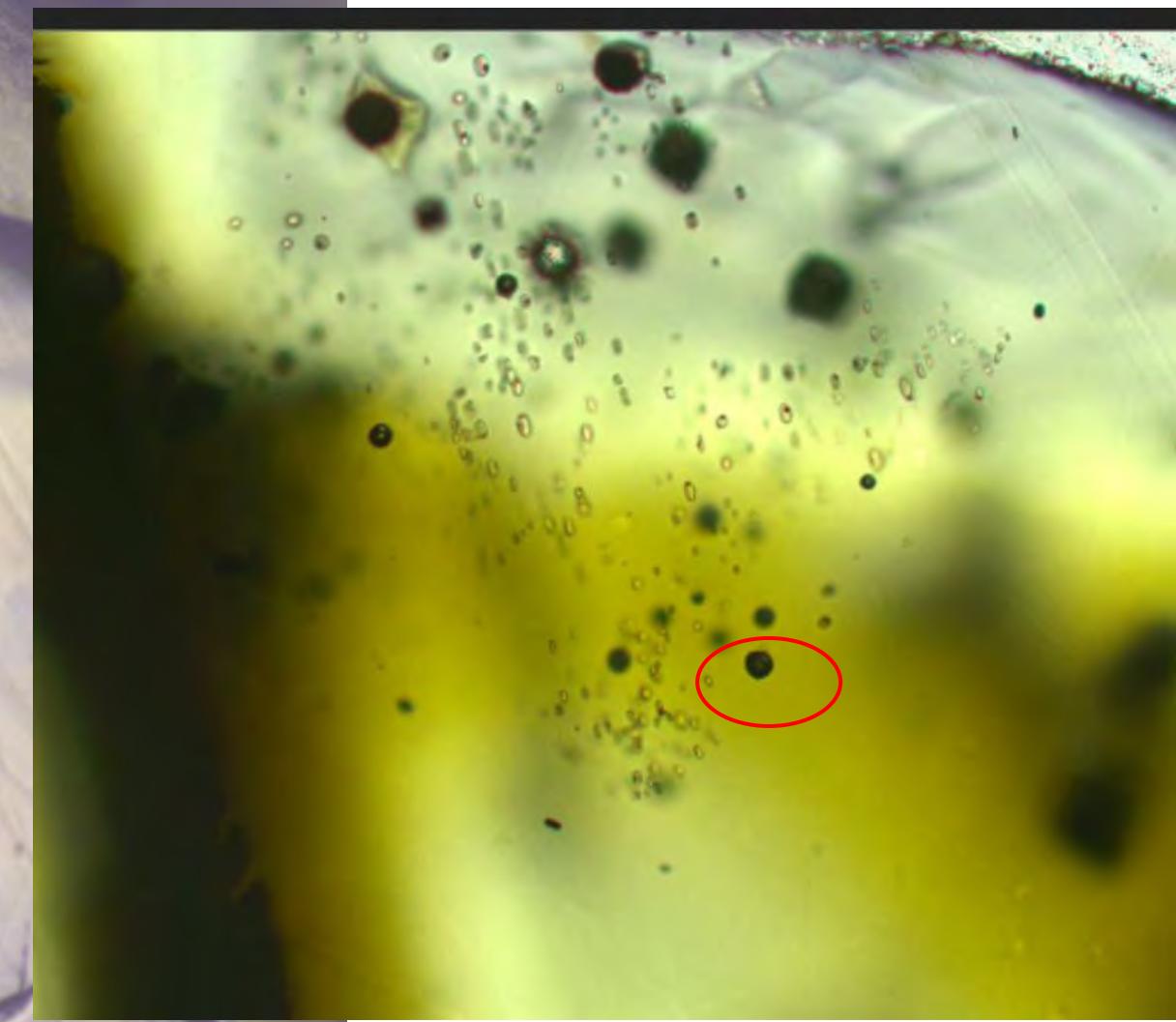
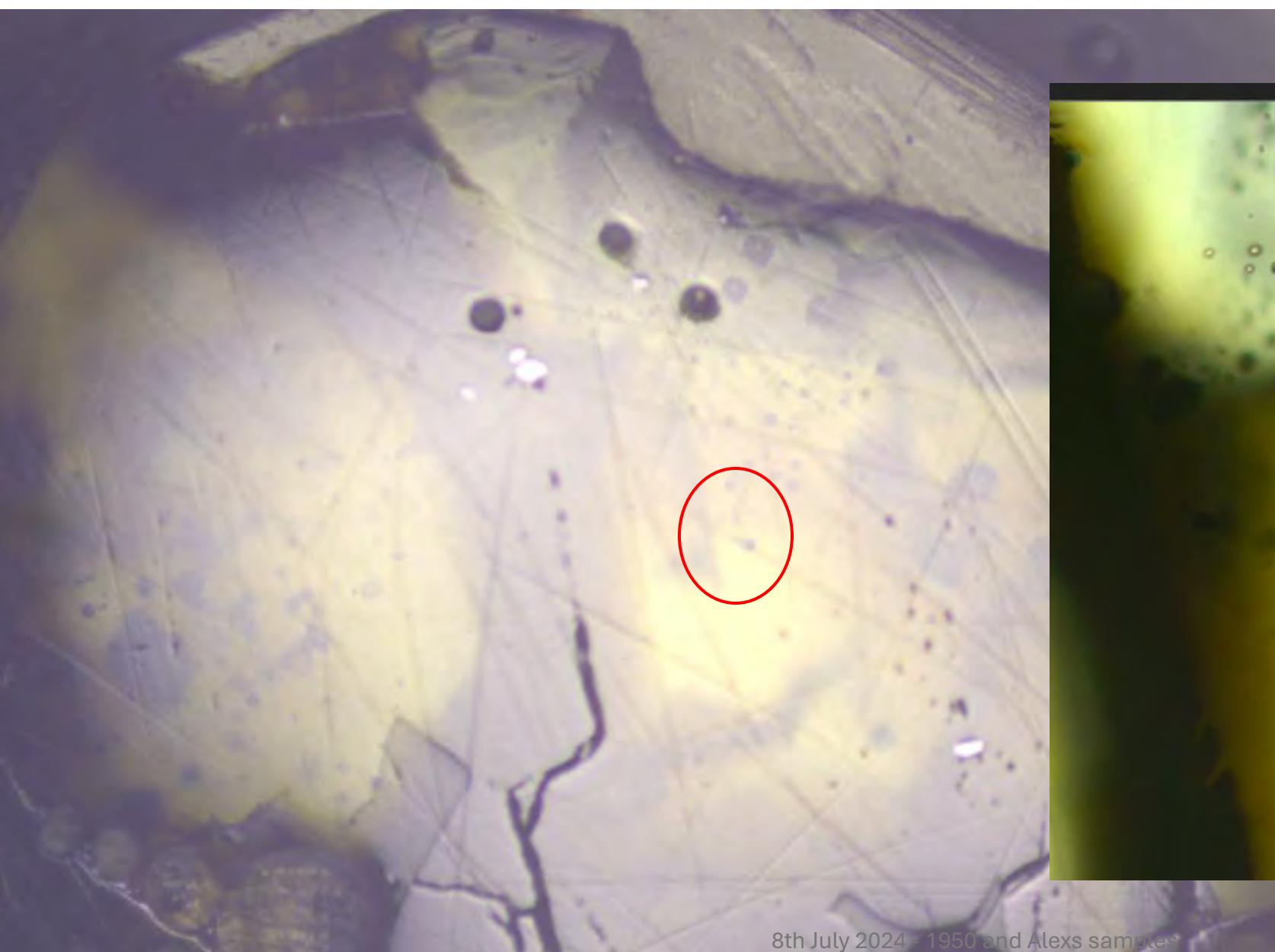
# M58\_c34\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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10	28 M58_c34_a1_FIA.txt	50	224.607	140.379
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M58\_34\_a2\_FIB

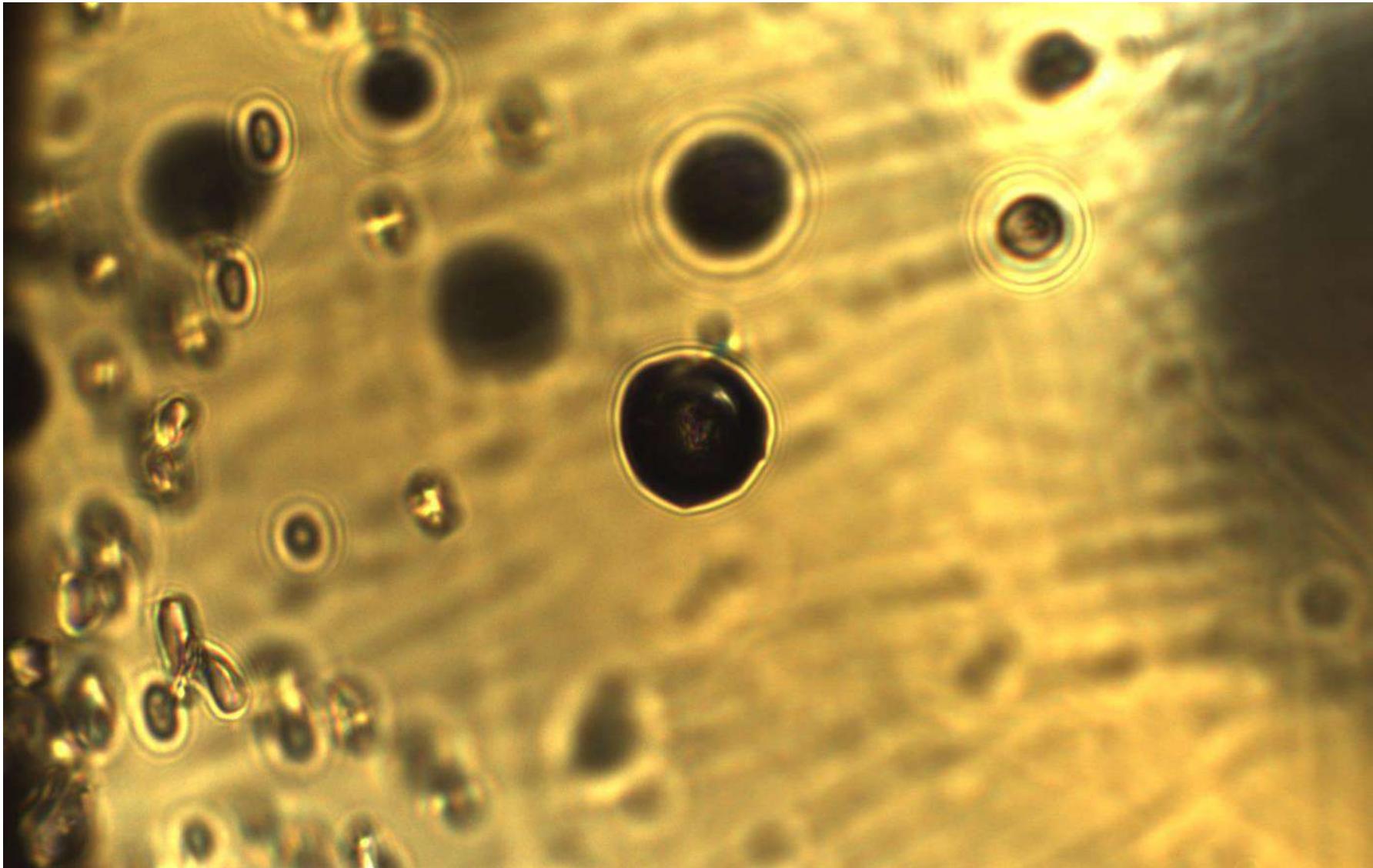


8th July 2024 - 1950 and Alexs samples

# M58\_c34\_a2\_FIB

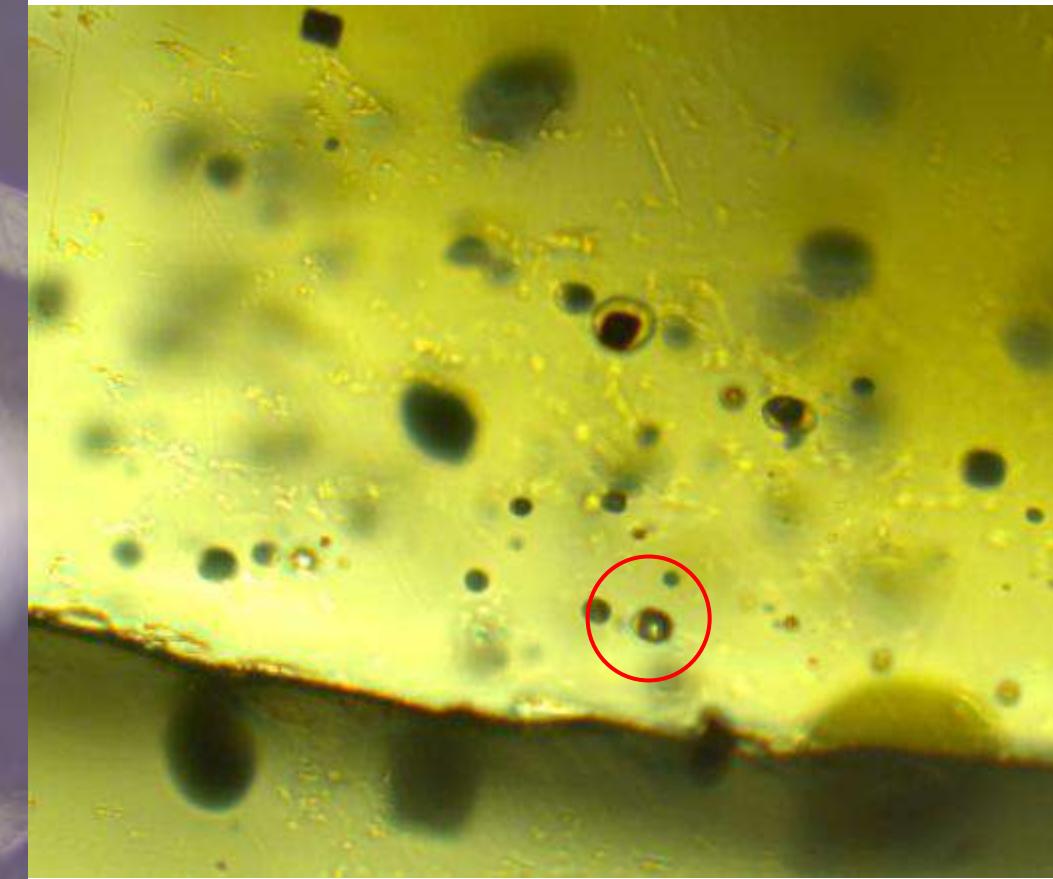
Filename	Mag	Width (μm)	Height (μm)
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9	27 M58_c34_a2_FIB.txt	50	224.607	140.379
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8th July 2024 - 1950 and Alexs samples

M58\_35\_a1\_FIA

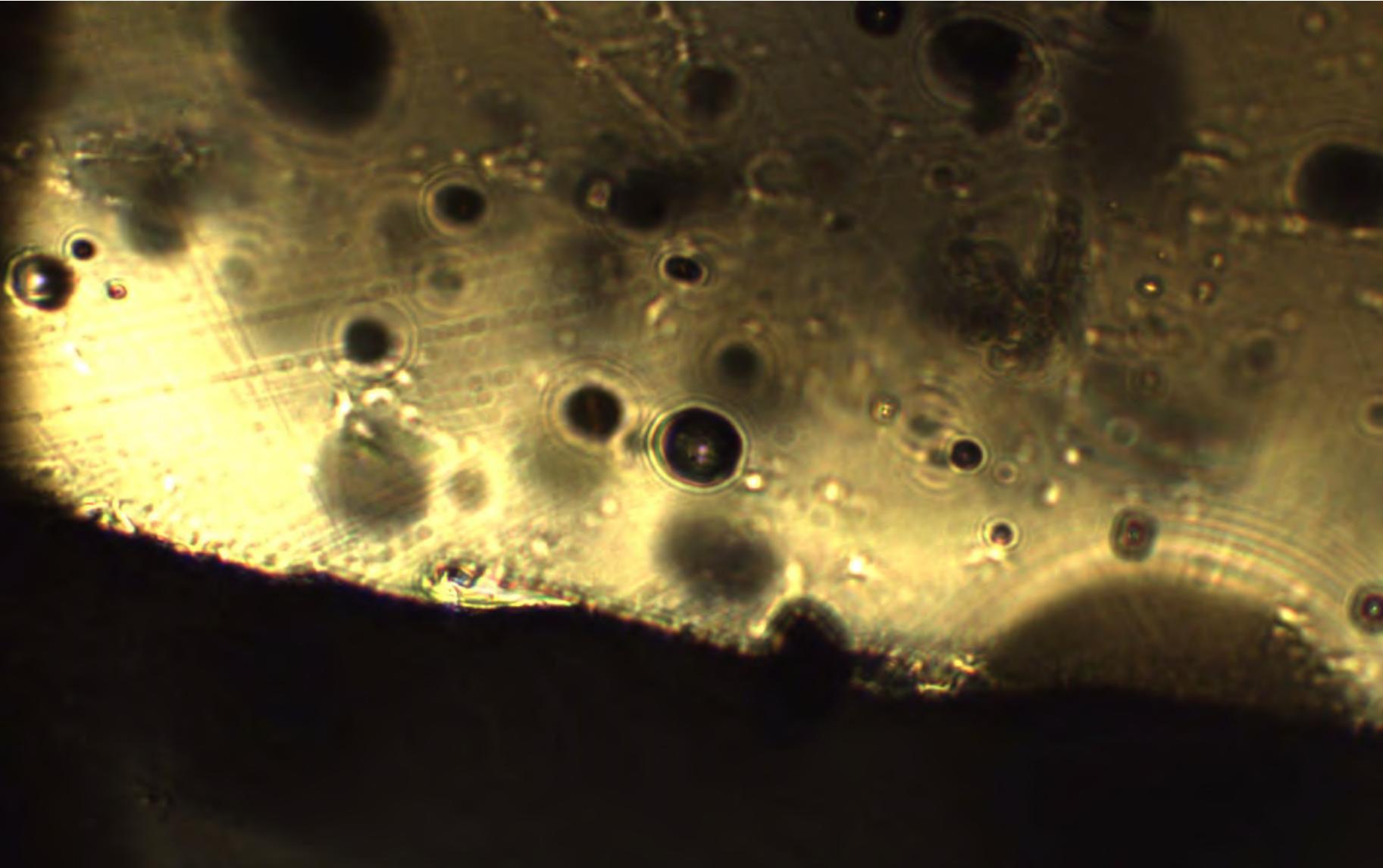


8th July 2024 - 1950 and Alexs samples

# M58\_c35\_a1\_FIA

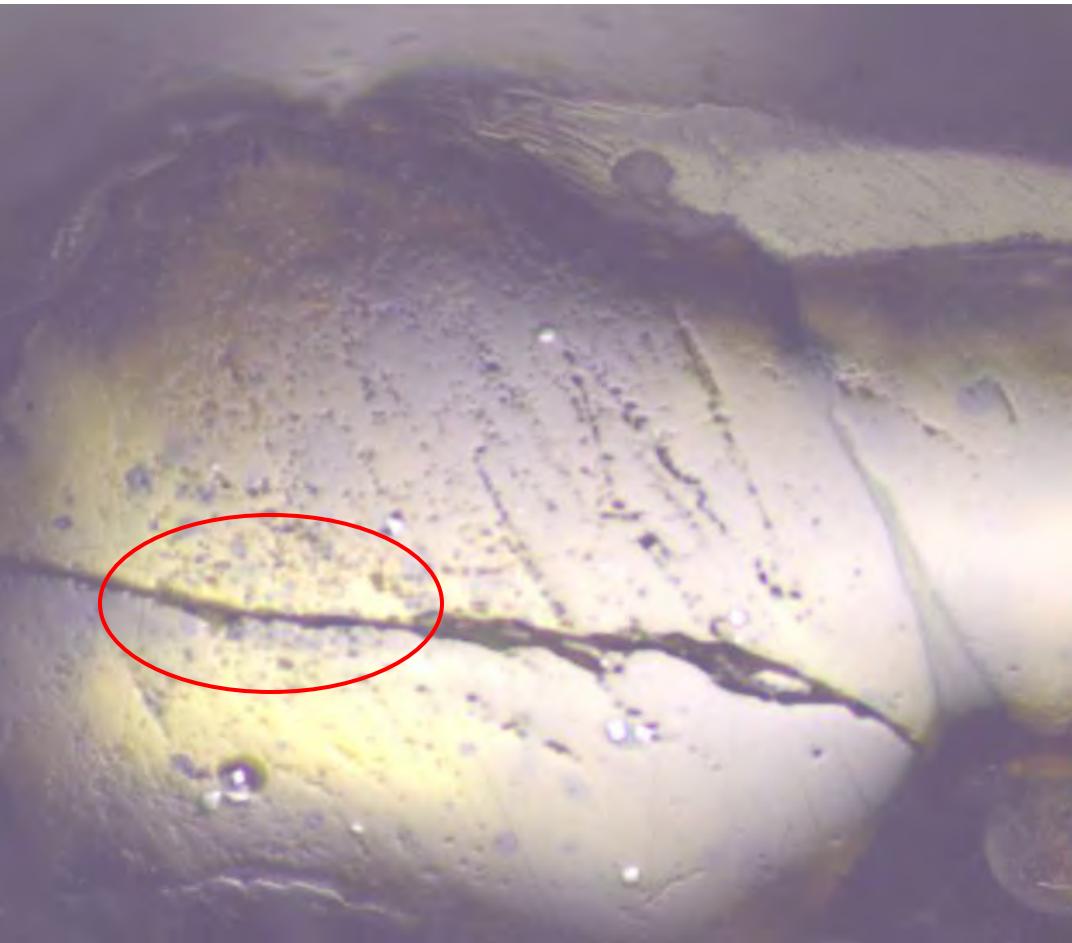
Filename	Mag	Width (µm)	Height (µm)
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7	22 M58_c35_a1_FIA.txt	50	224.607	140.379
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8th July 2024 - 1950 and Alexs samples

M58\_c35\_a1\_FIB

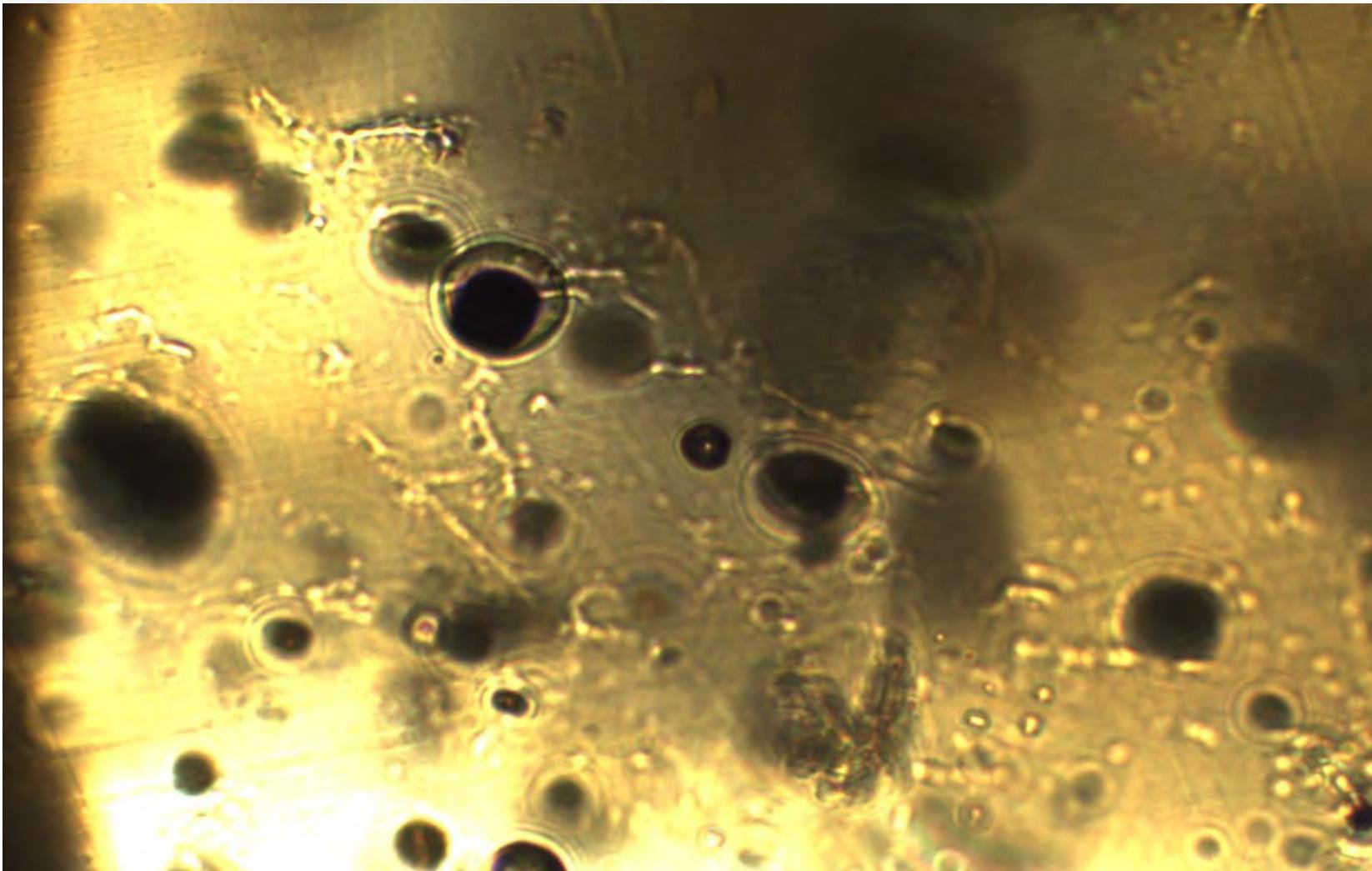


8th July 2024 - 1950 and Alexs samples

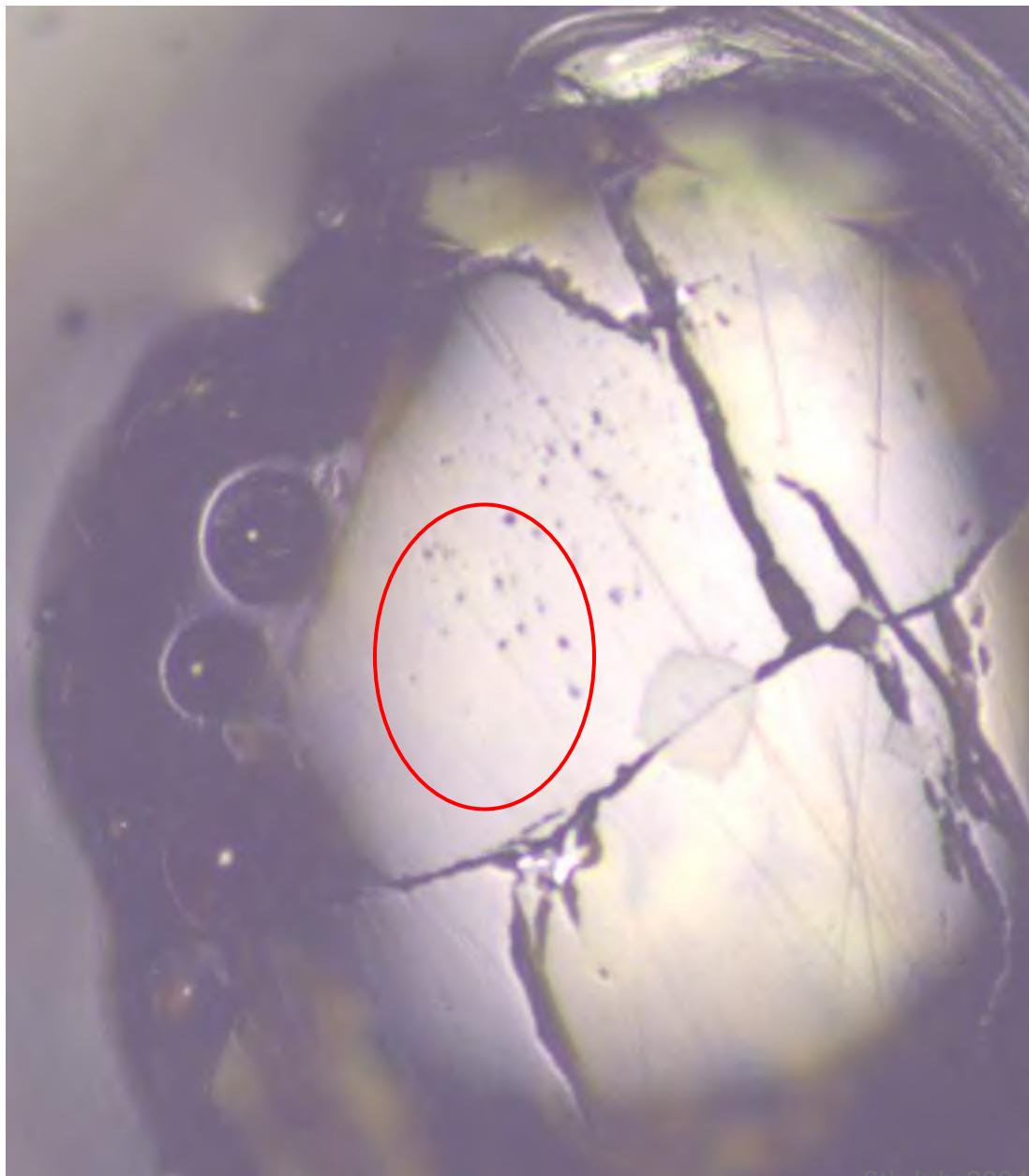
# M58\_c35\_a1\_FIB

Filename	Mag	Width (μm)	Height (μm)
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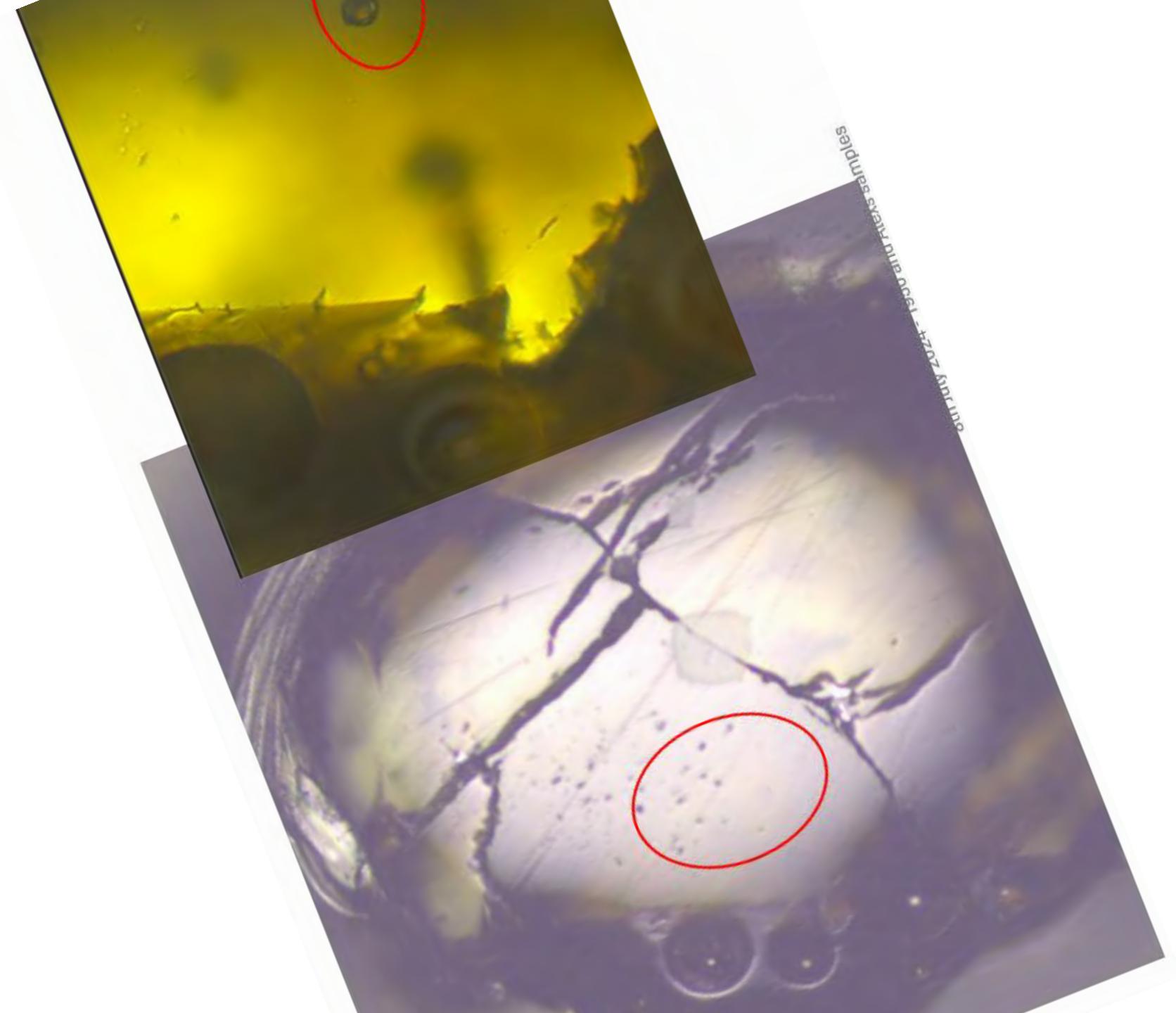
8	24 M58_c35_a1_FIB.txt	50	224.607	140.379
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M58\_36\_a1\_FIA



8th July 2024 - 1950 and Alex's samples



Scanning electron microscopy image showing surface morphology

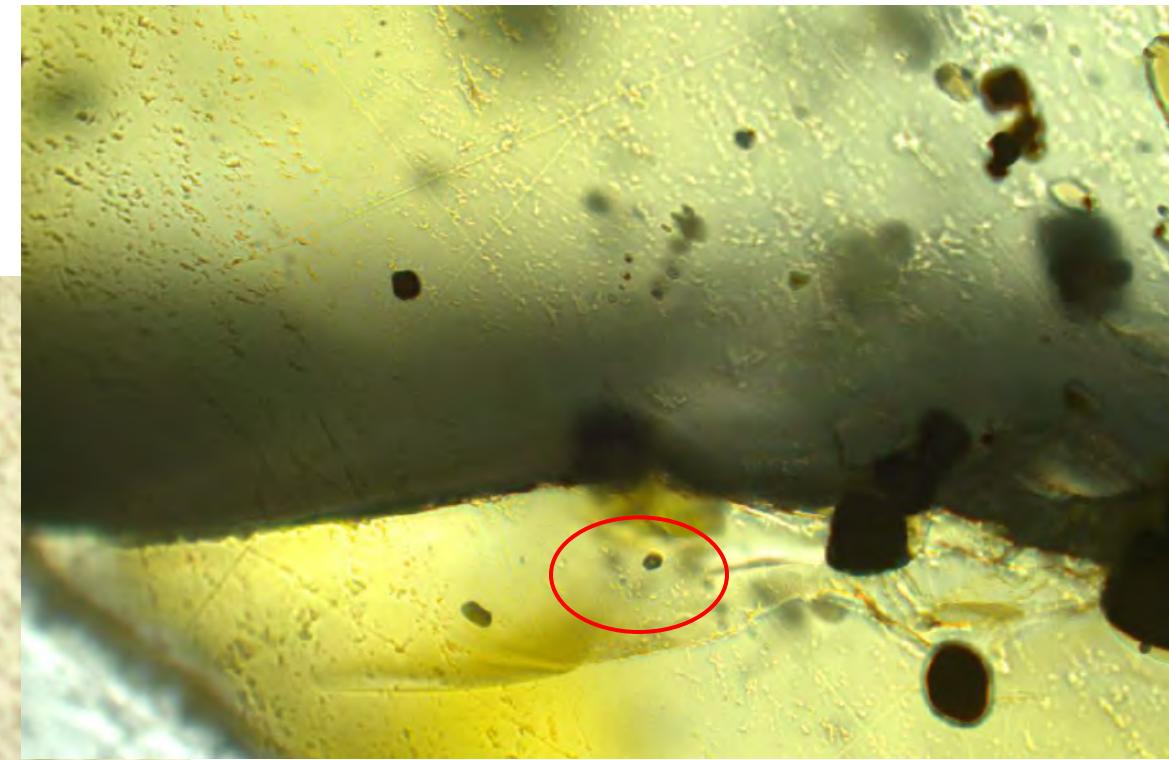
# M58\_c36\_a1\_FIA – FI ground away during stub making.

	Filename	Mag	Width (µm)	Height (µm)
11	31 M58_c36_a1_FIA.txt	50	224.607	140.379



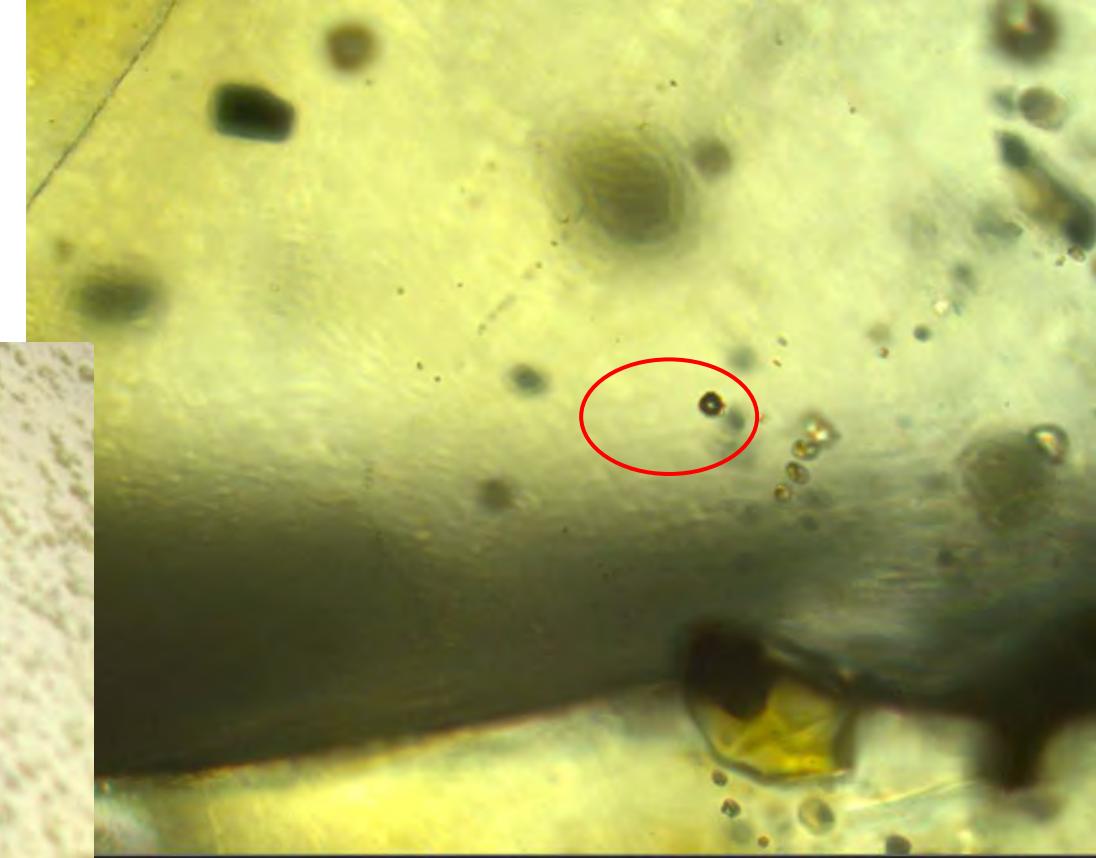
8th July 2024 - 1950 and Alexs samples

M58\_37\_a1\_FIA – no diad, but very interestin secondary phases



8th July 2024 - 1950 and Alexs samples

M58\_37\_a1\_FIB

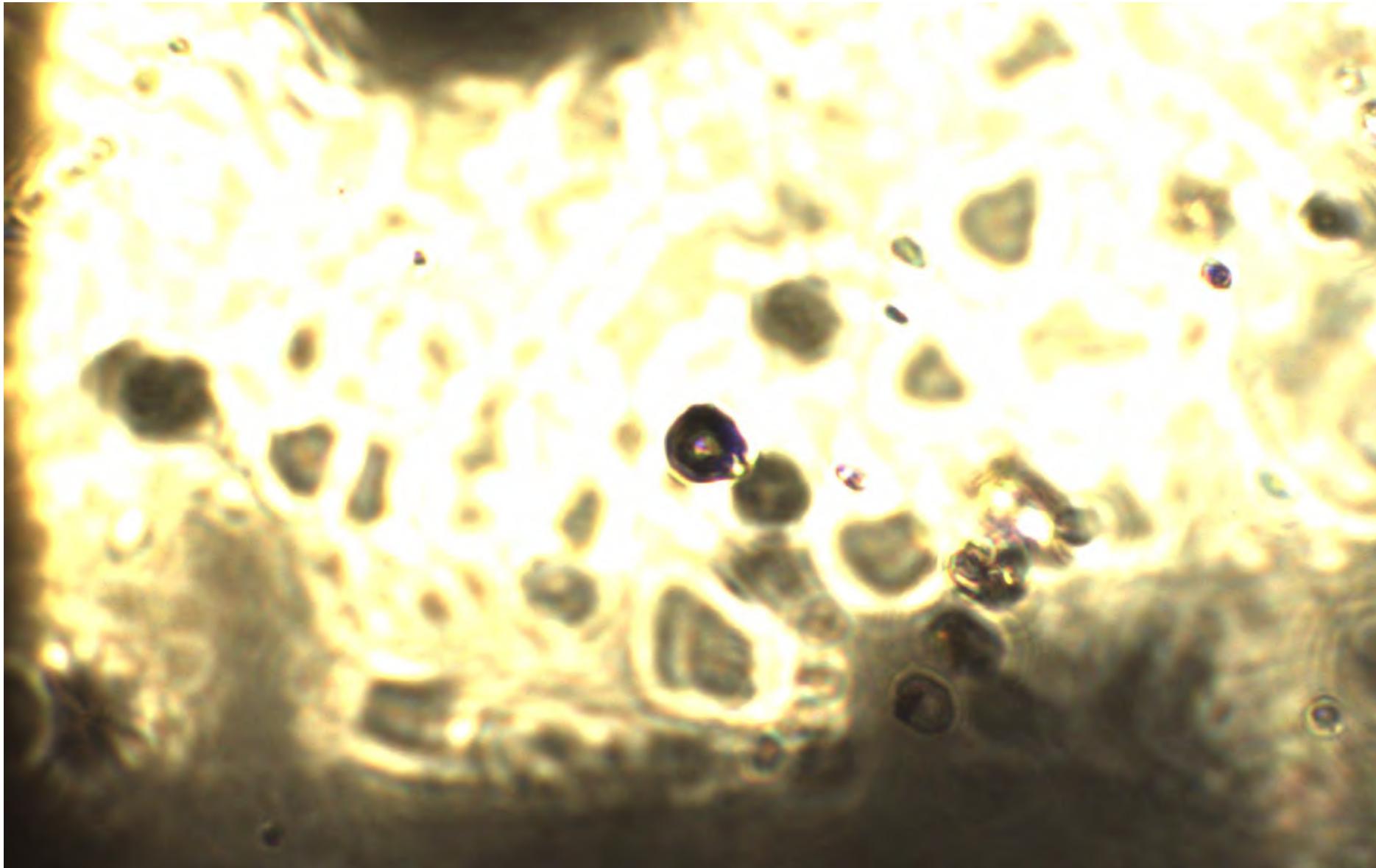


8th July 2024 - 1950 and Alexs samples

# M58\_c37\_a1\_FIB

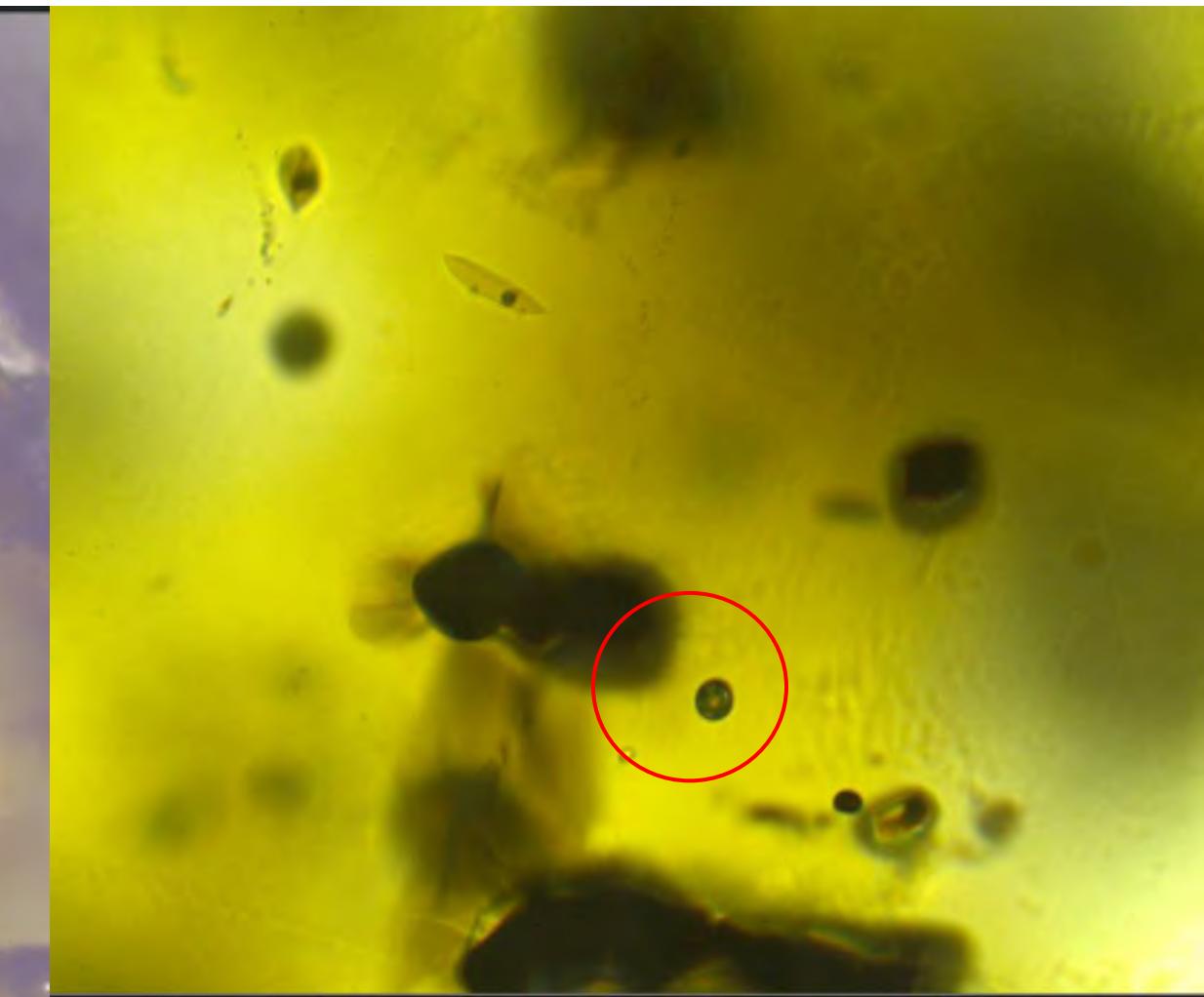
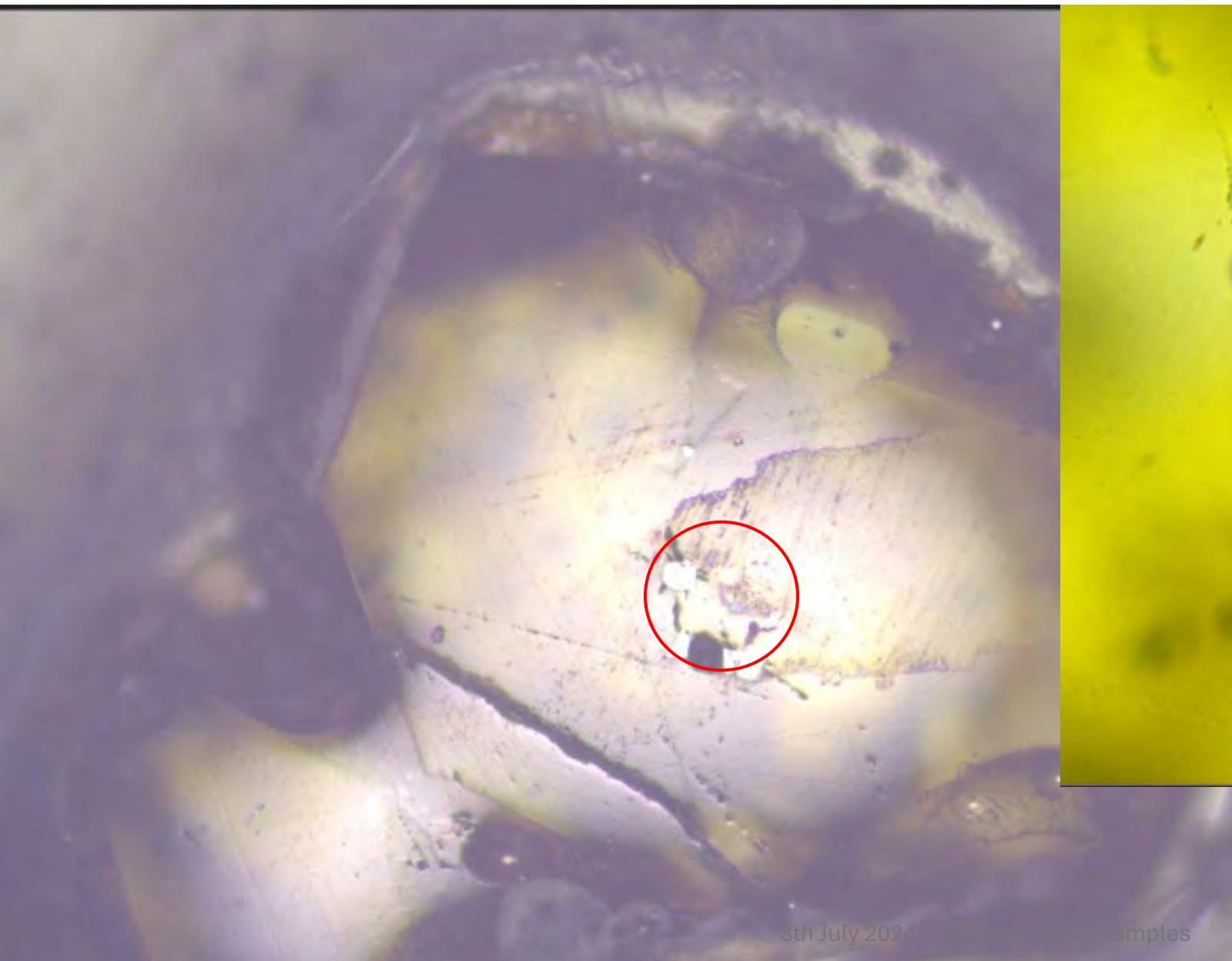
Filename	Mag	Width (µm)	Height (µm)
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12	34 M58_c37_a1_FIB.txt	50	224.607	140.379
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8th July 2024 - 1950 and Alexs samples

M58\_38\_a1\_FIA

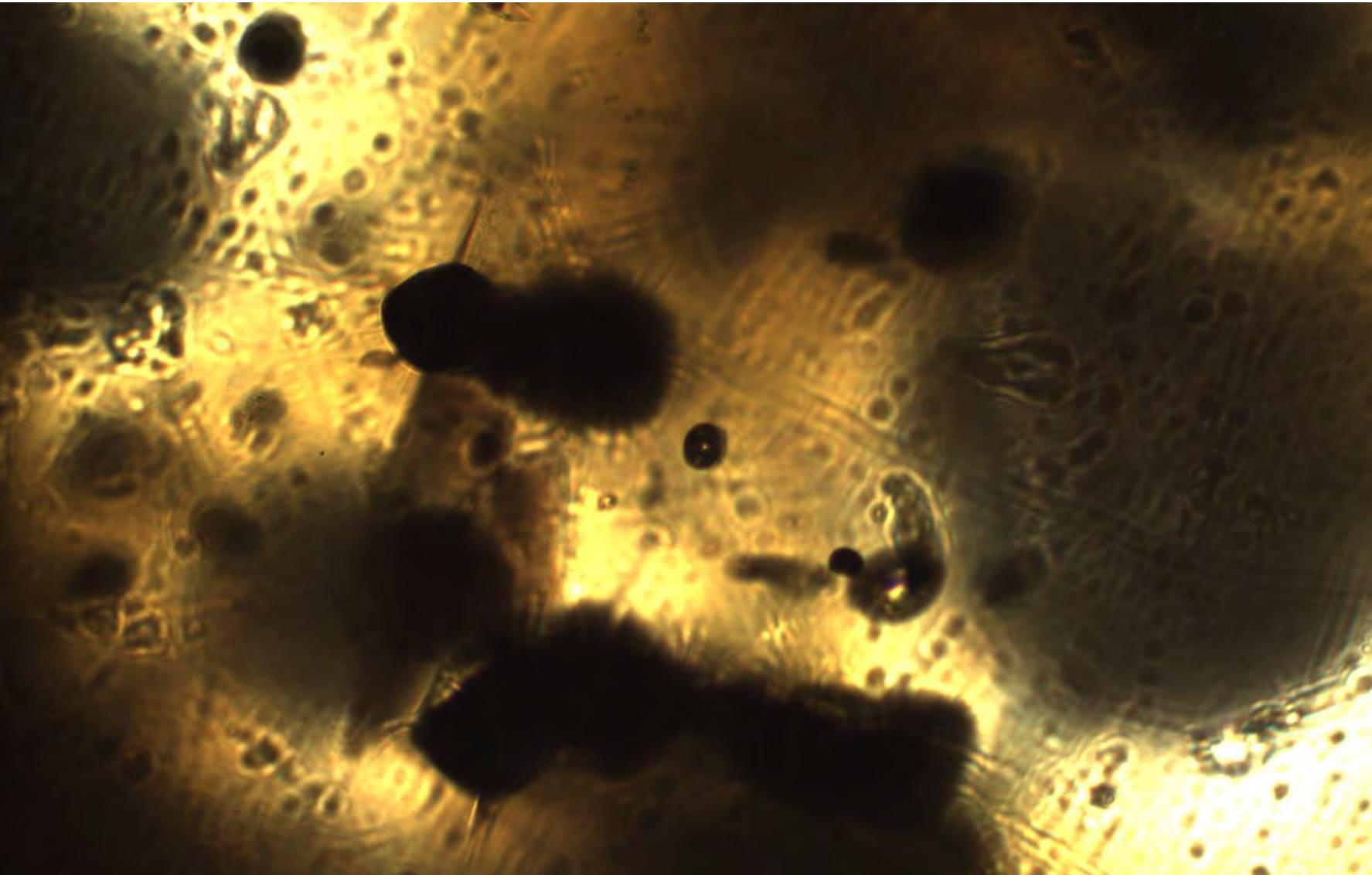


8th July 2024 - 1950 and Alexs samples

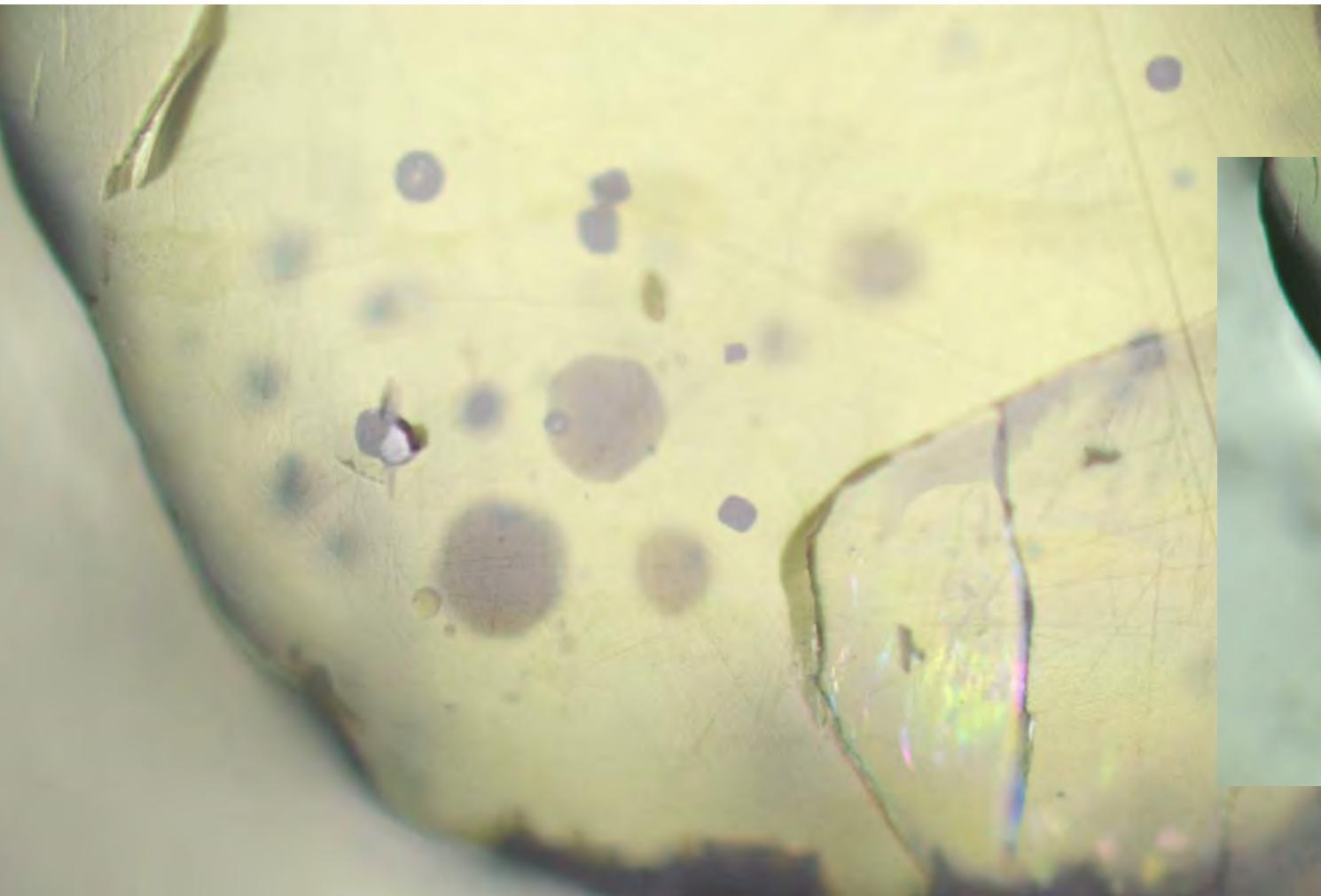
# M58\_c38\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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13	36 M58_c38_a1_FIA.txt	20	546.419	341.512
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M58\_39\_a1\_FIA

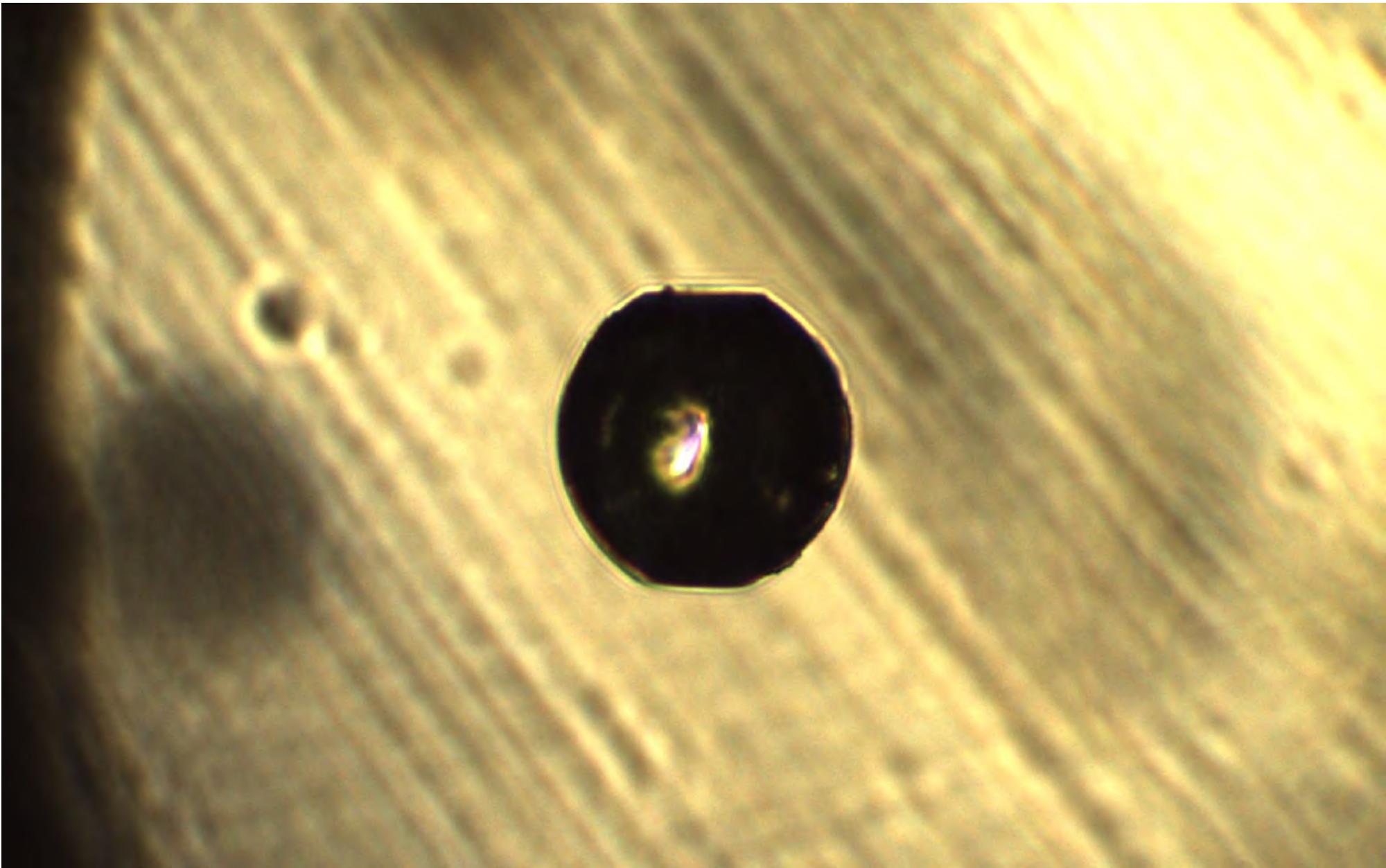


8th July 2024 - 1950 and Alexs samples

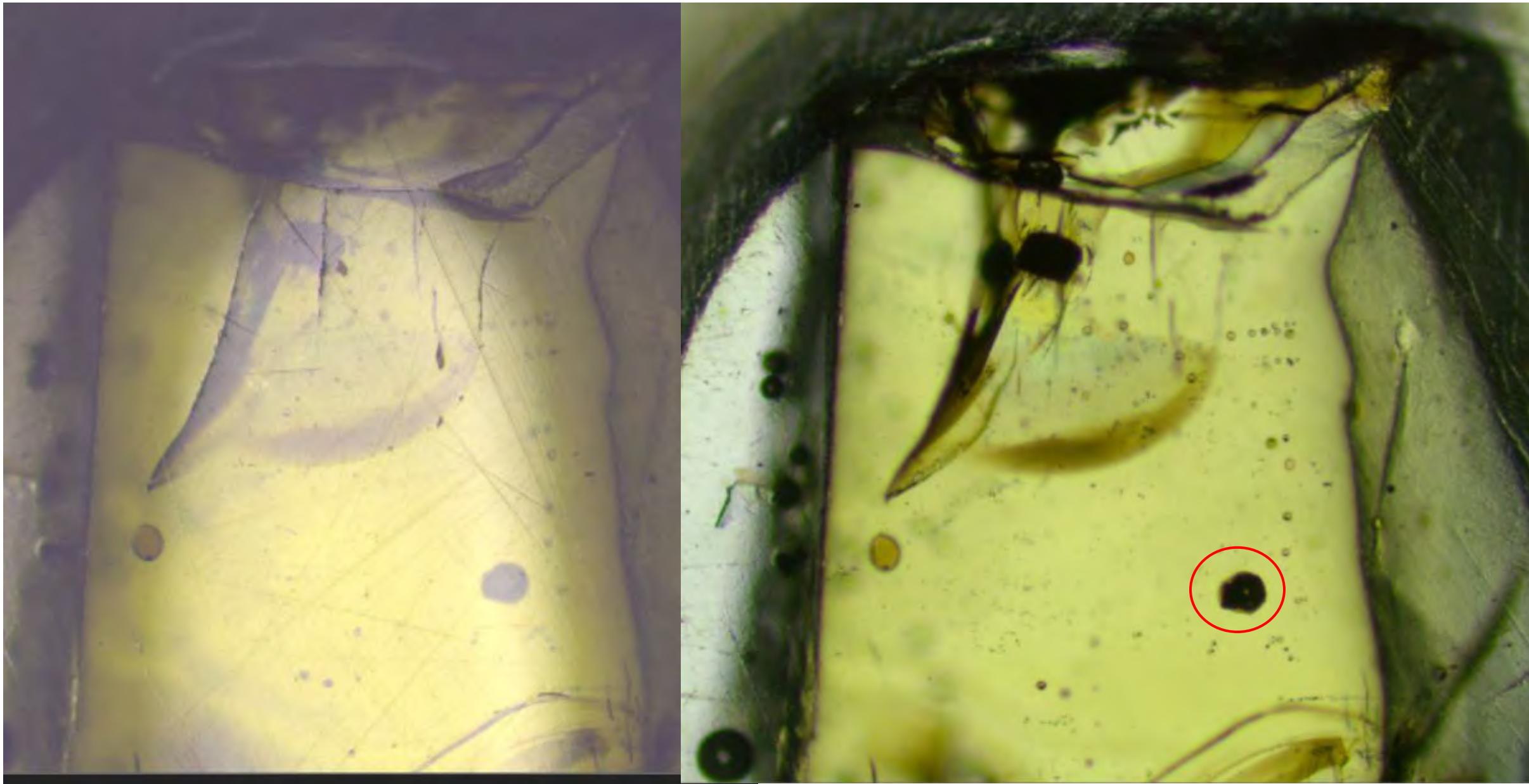
# M58\_c39\_a1\_FIA

Filename	Mag	Width (μm)	Height (μm)
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14	39 M58_c39_a1_FIA.txt	50	224.607	140.379
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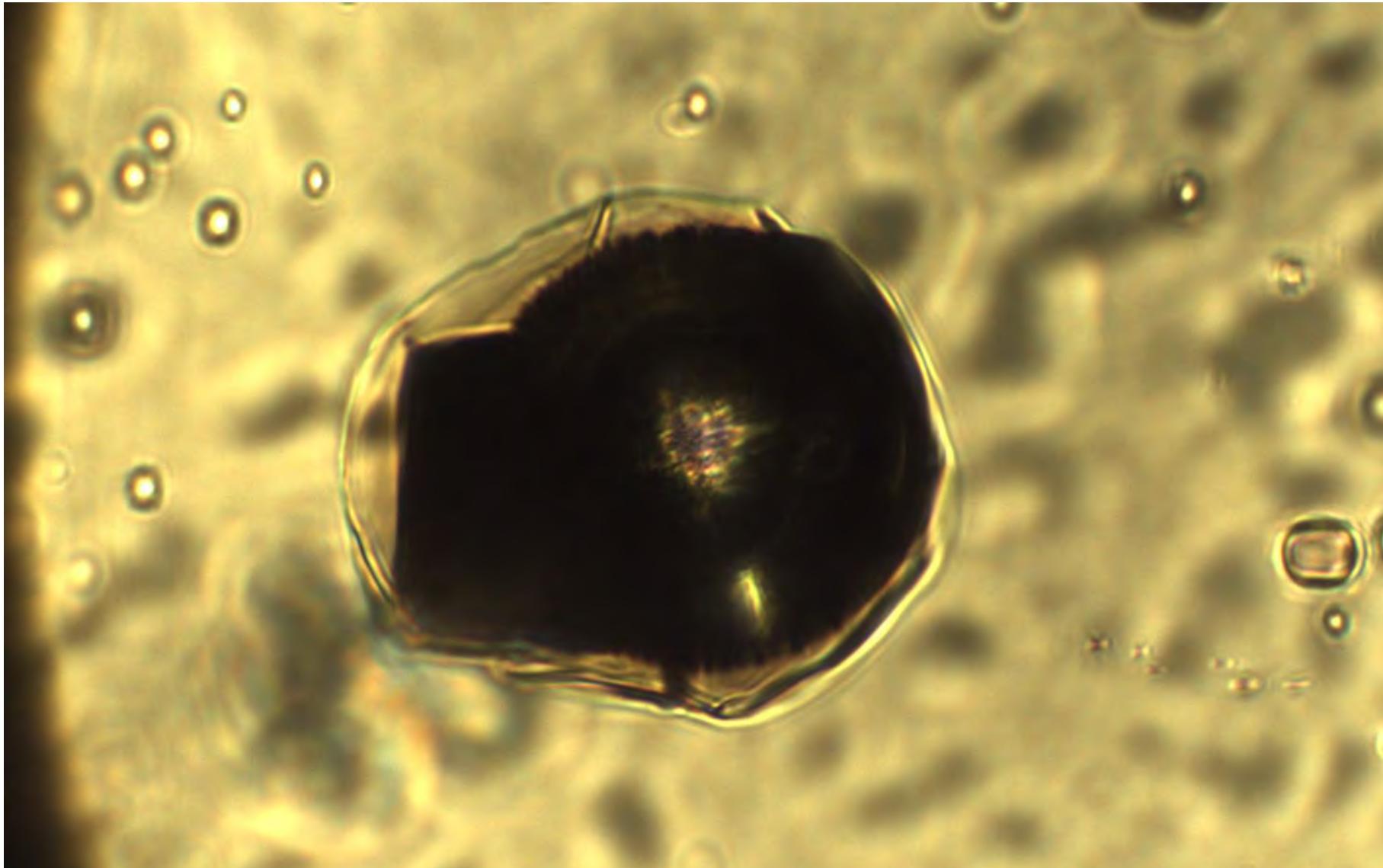
M58\_40\_a1\_FIA



8th July 2024 - 1950 and Alexs samples

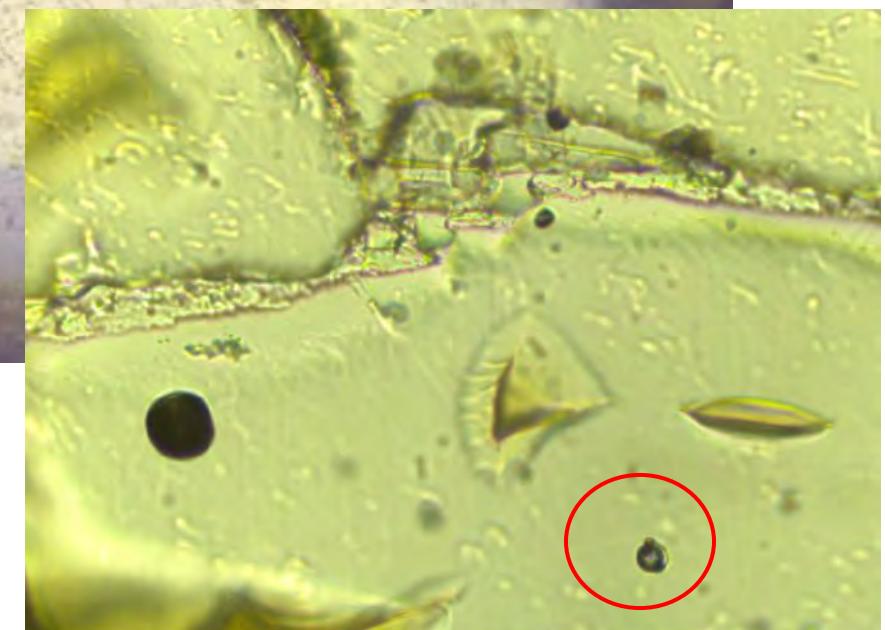
# M58\_c40\_a1\_FIA – double CO<sub>2</sub>-SO<sub>2</sub> peak, so didn't use.

	Filename	Mag	Width (μm)	Height (μm)
15	41 M58_c40_a1_FIA.txt	50	224.607	140.379



8th July 2024 - 1950 and Alexs samples

M58\_41\_a1\_FIA – Lost to polishing, another nice trail to analyse though!

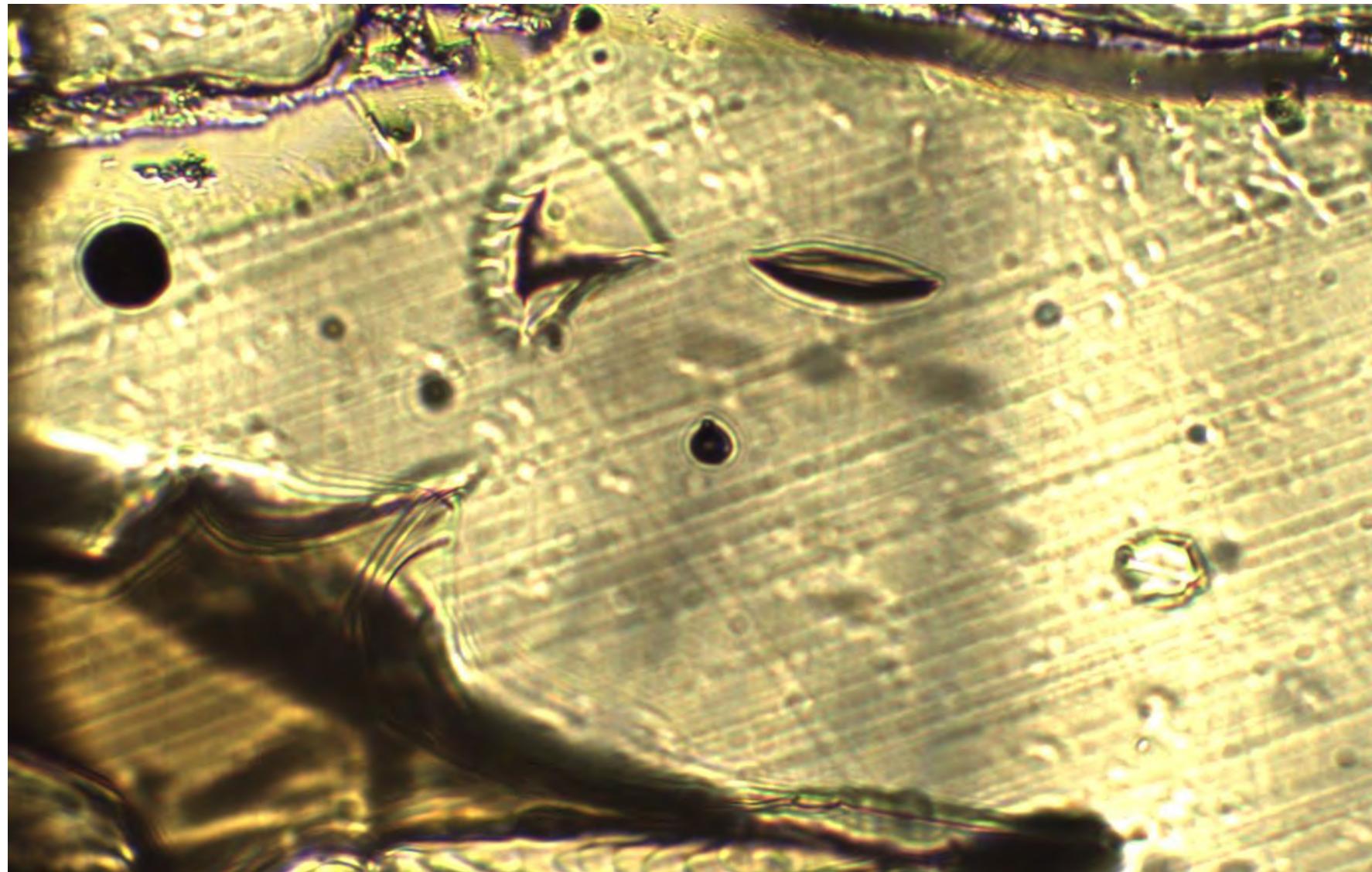


8th July 2024 - 1950 and Alexs samples

# M58\_c41\_a1\_FIA

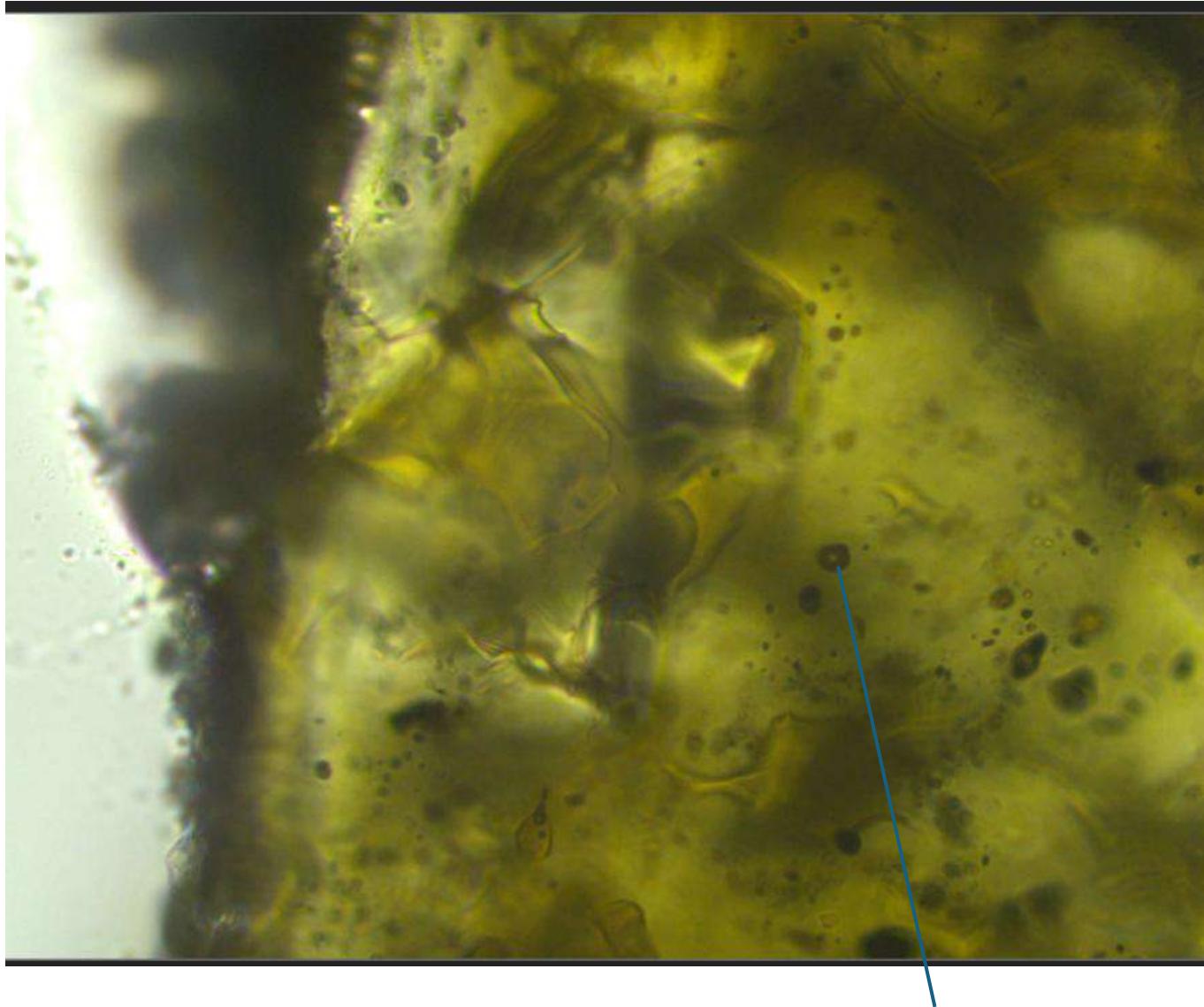
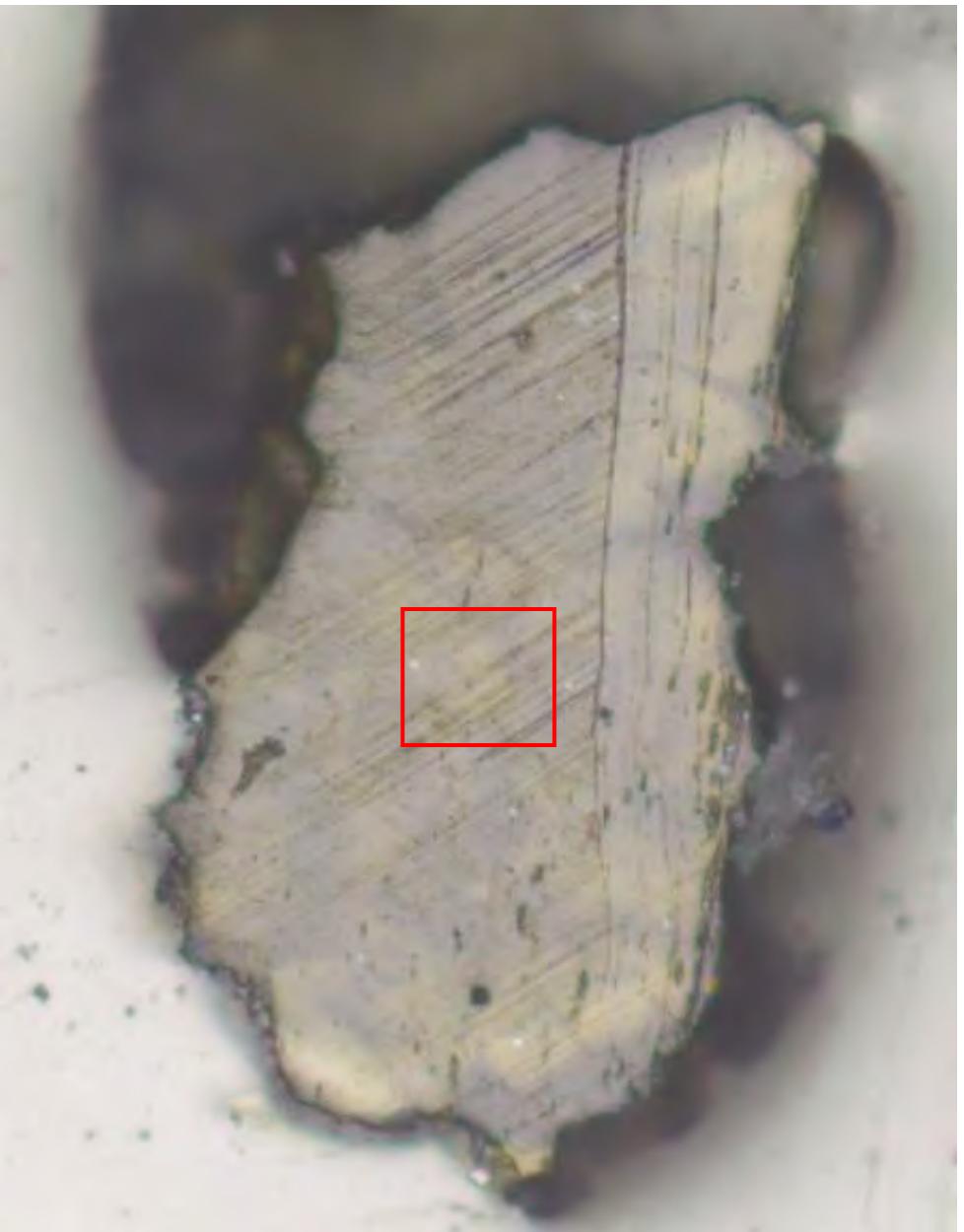
Filename	Mag	Width (µm)	Height (µm)
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16	43 M58_c41_a1_FIA.txt	50	224.607	140.379
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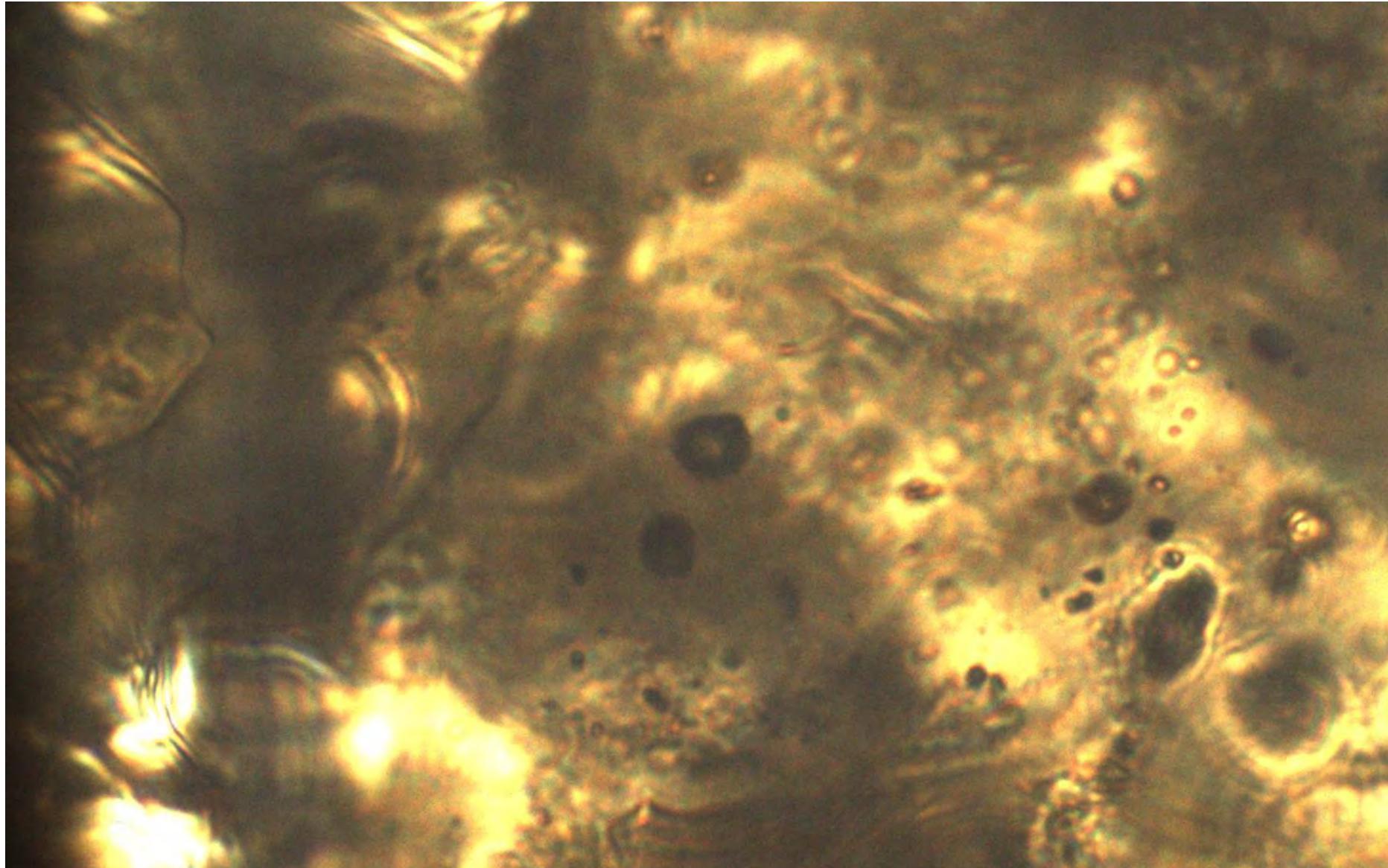
8th July 2024 - 1950 and Alexs samples

M49\_c52\_a1\_FIB – bit deeper



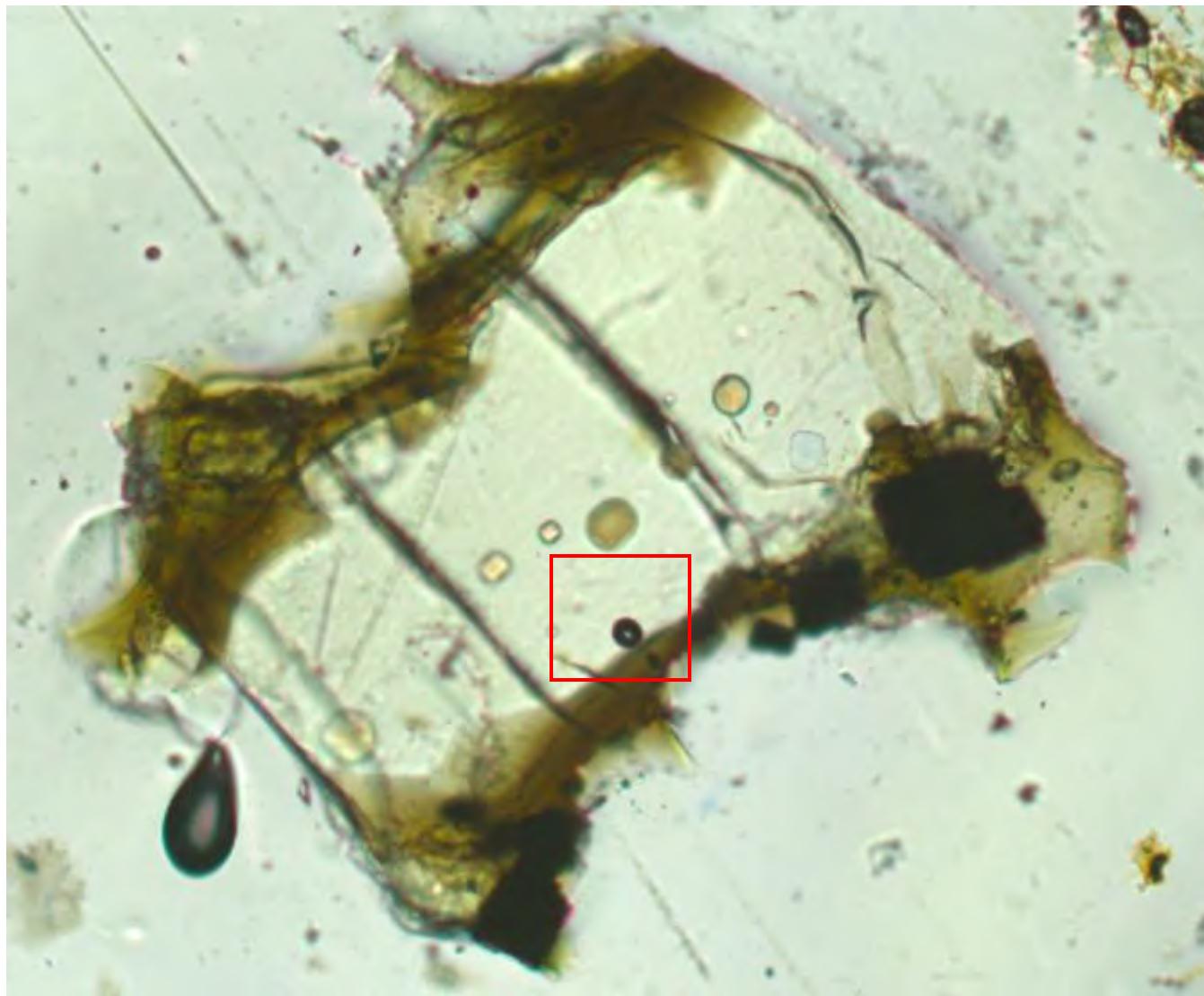
# M49\_c52\_a1\_FIB

	Filename	Mag	Width (µm)	Height (µm)
18	47 m49_c52_a1_FIB.txt	100	111.496	69.685



8th July 2024 - 1950 and Alexs samples

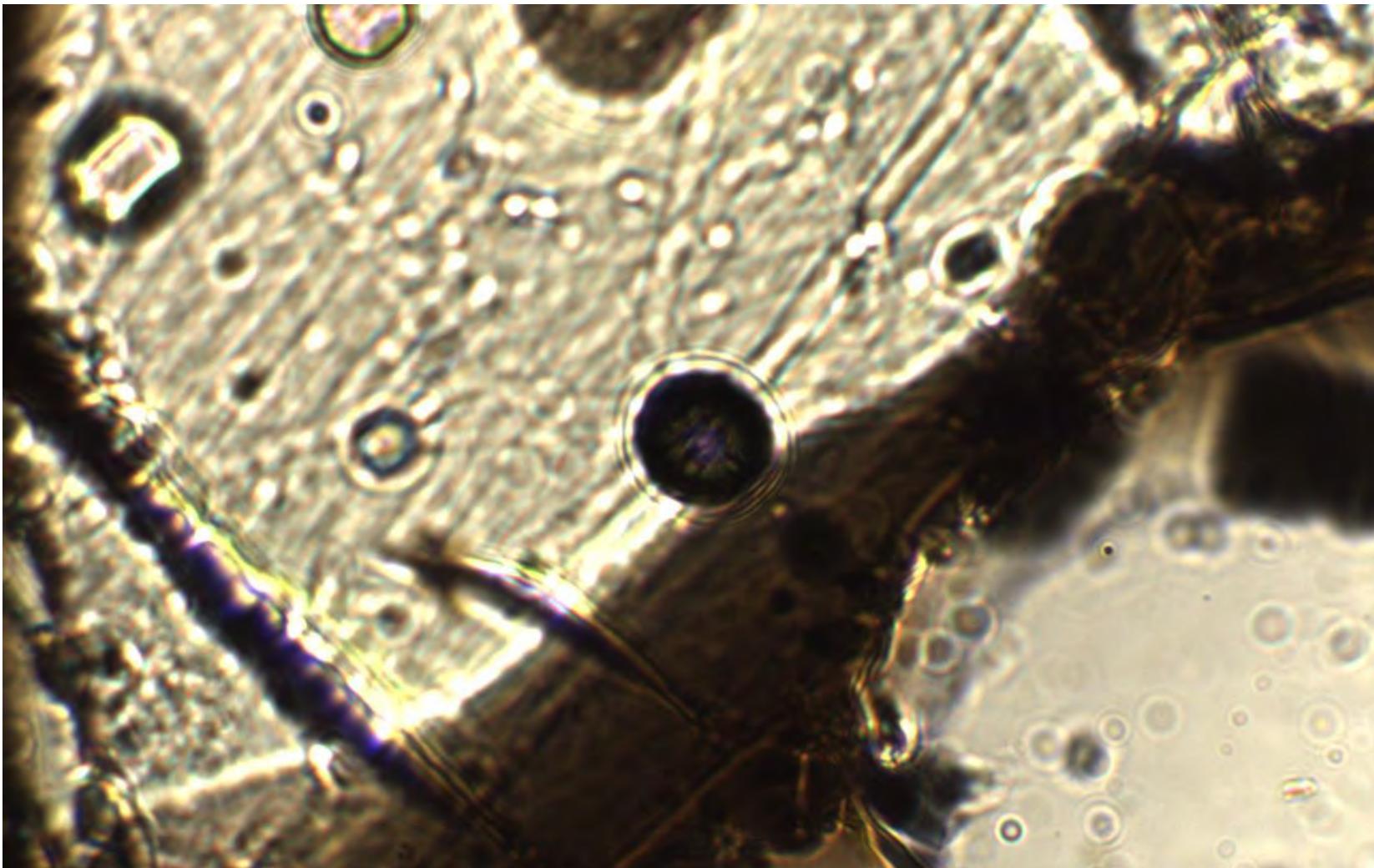
M49\_c54\_a1\_FIA



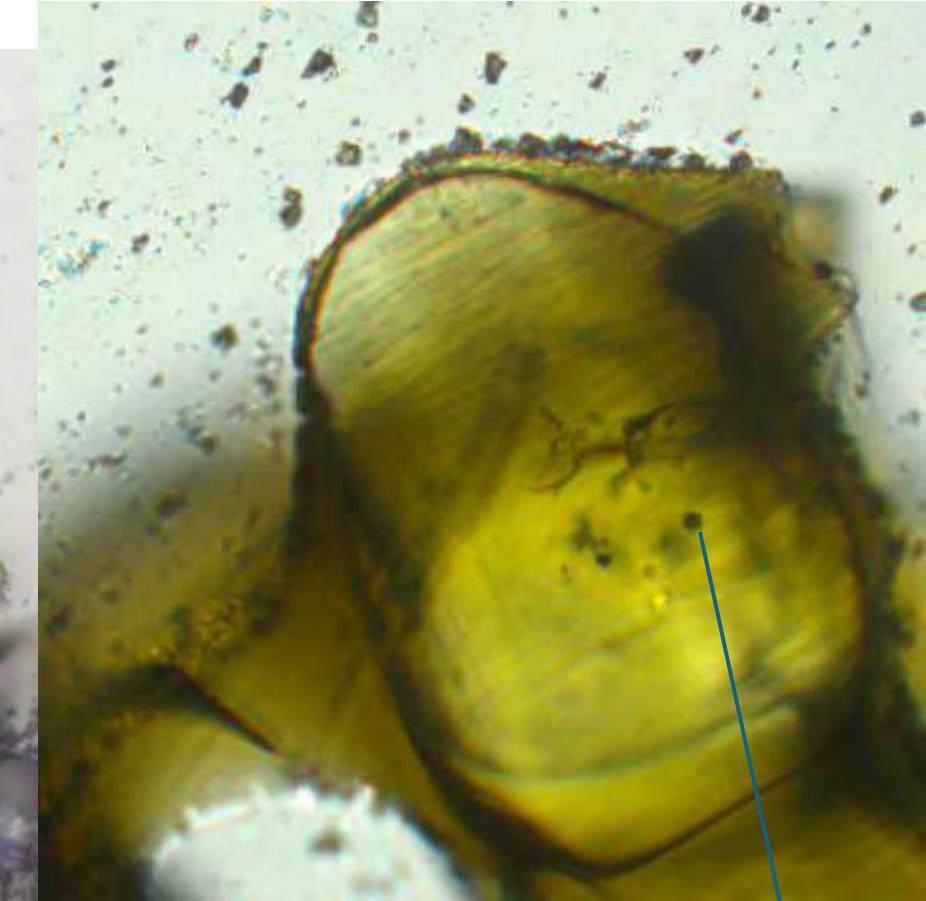
# M49\_c54\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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19	50 M49_c54_a1_FIA.txt	50	224.607	140.379
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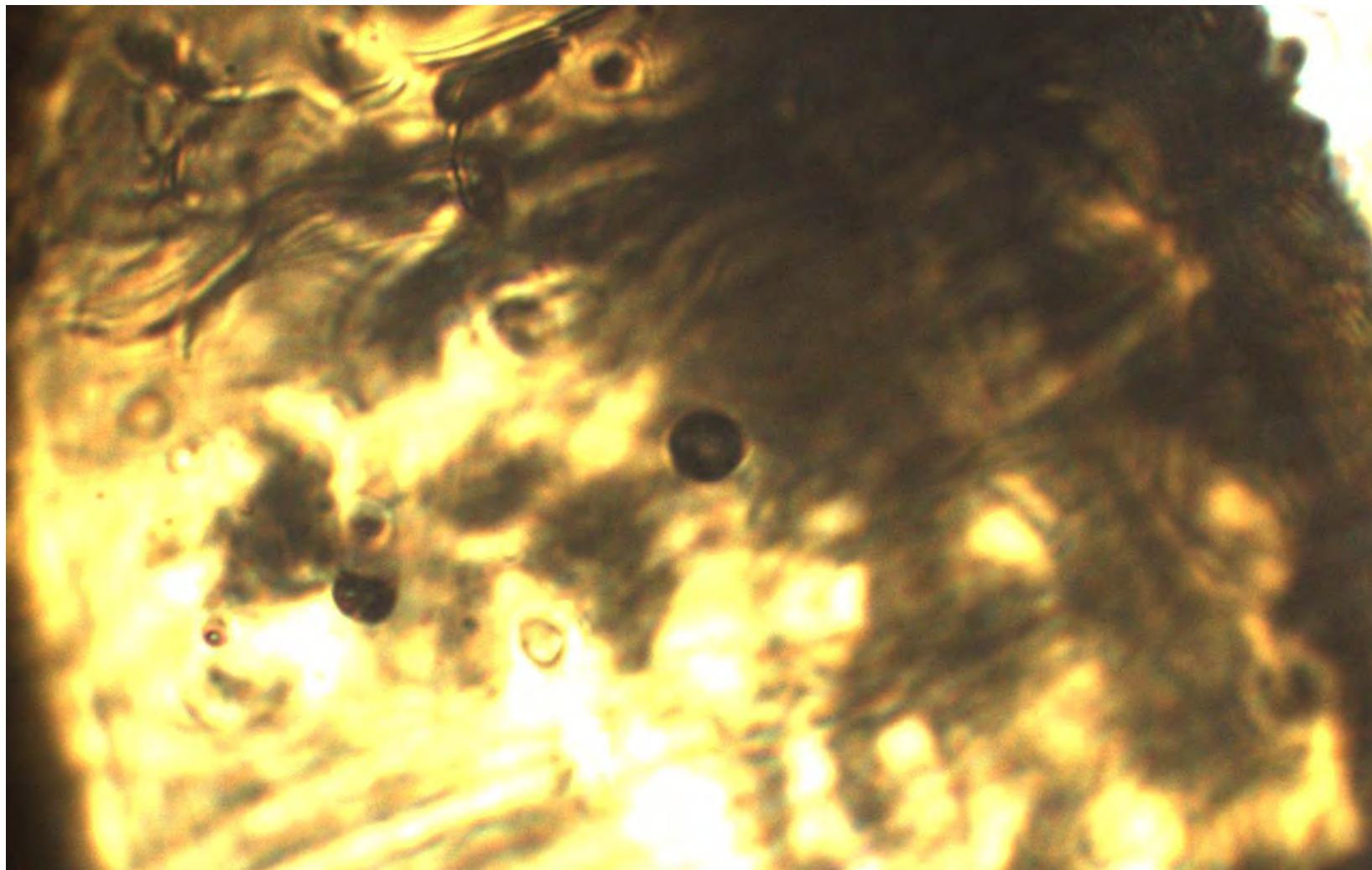
M49\_c55\_a1\_FIA



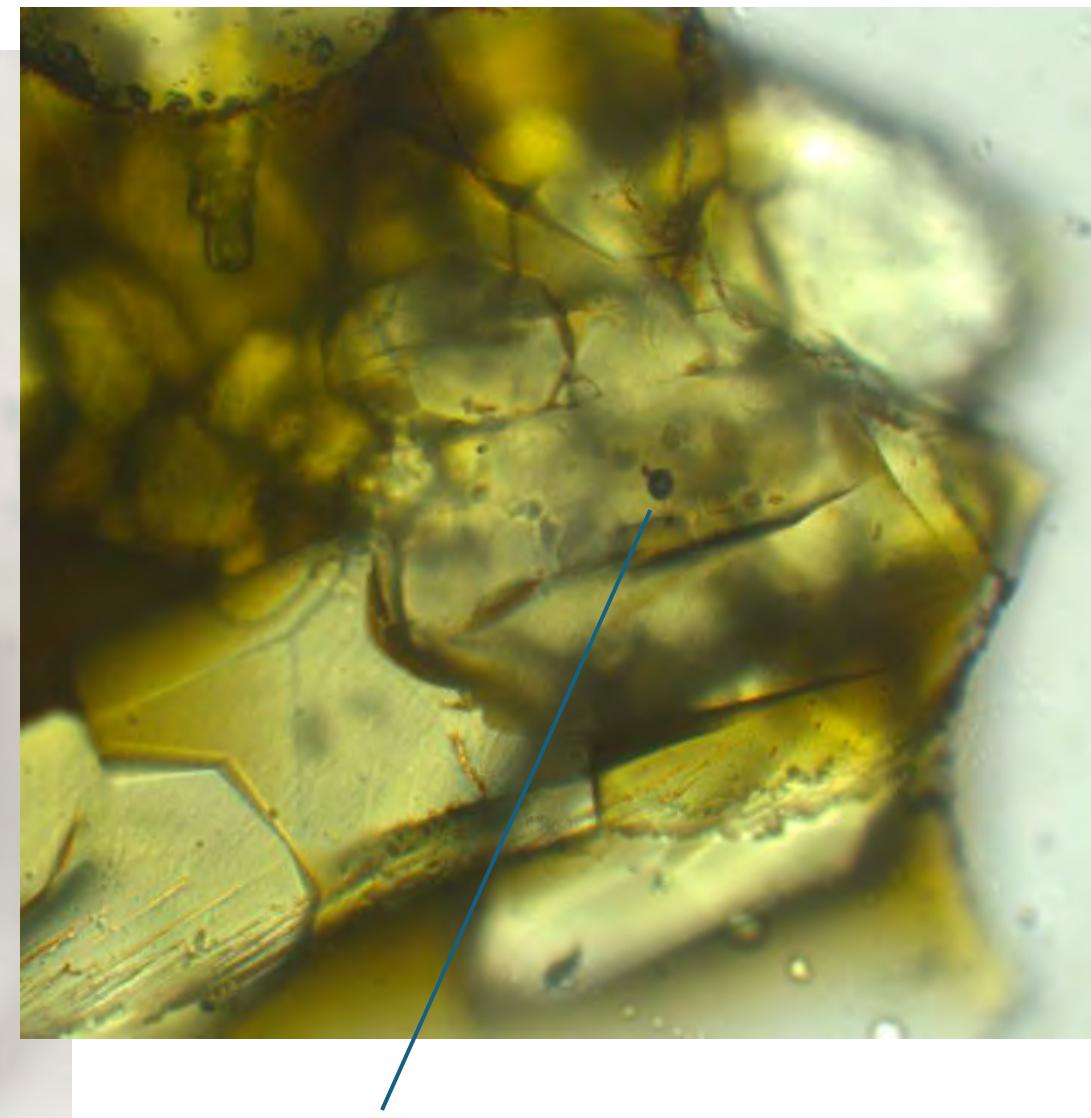
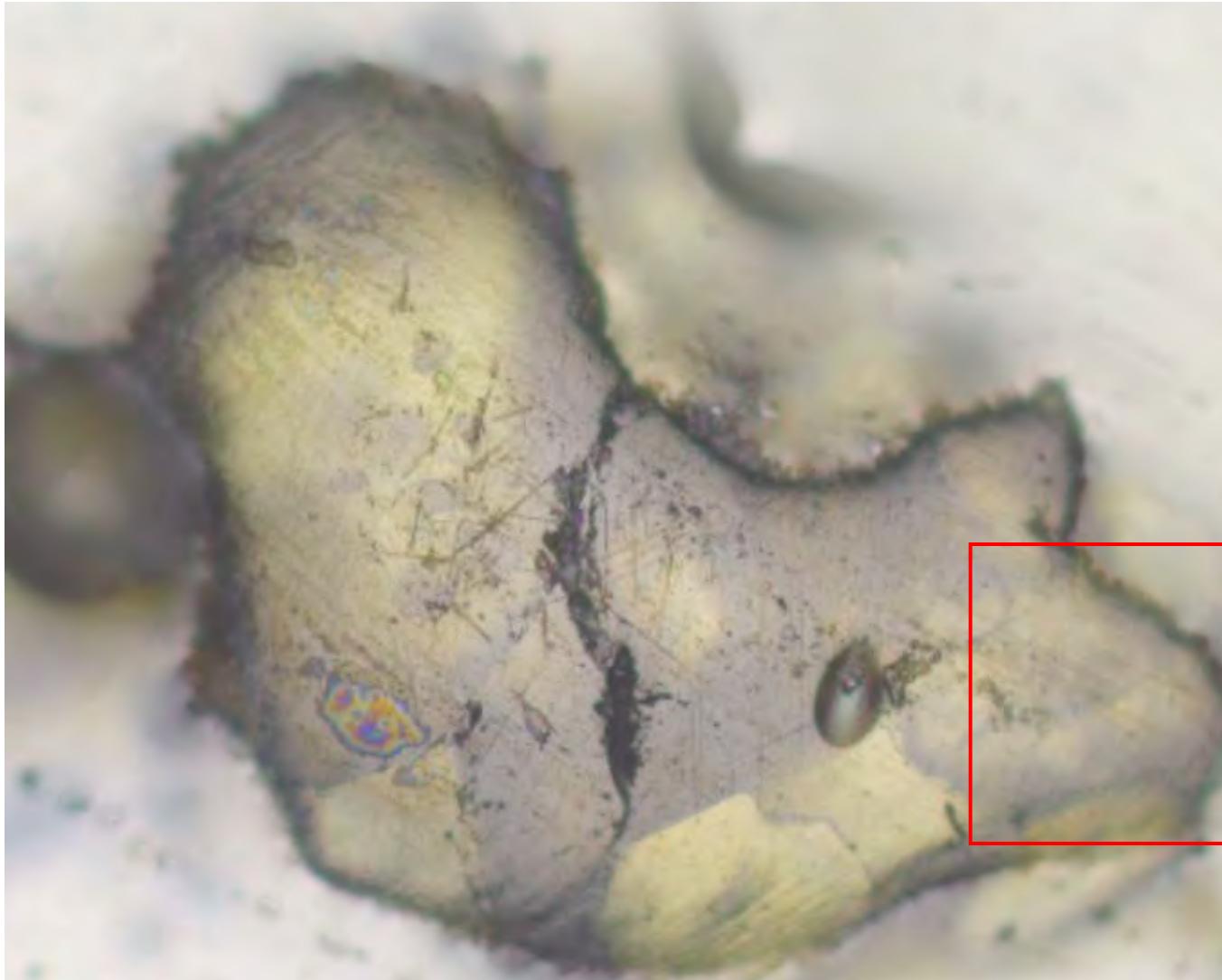
# M49\_c55\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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20	51 M49_c55_a1_FIA.txt	100	111.496	69.685
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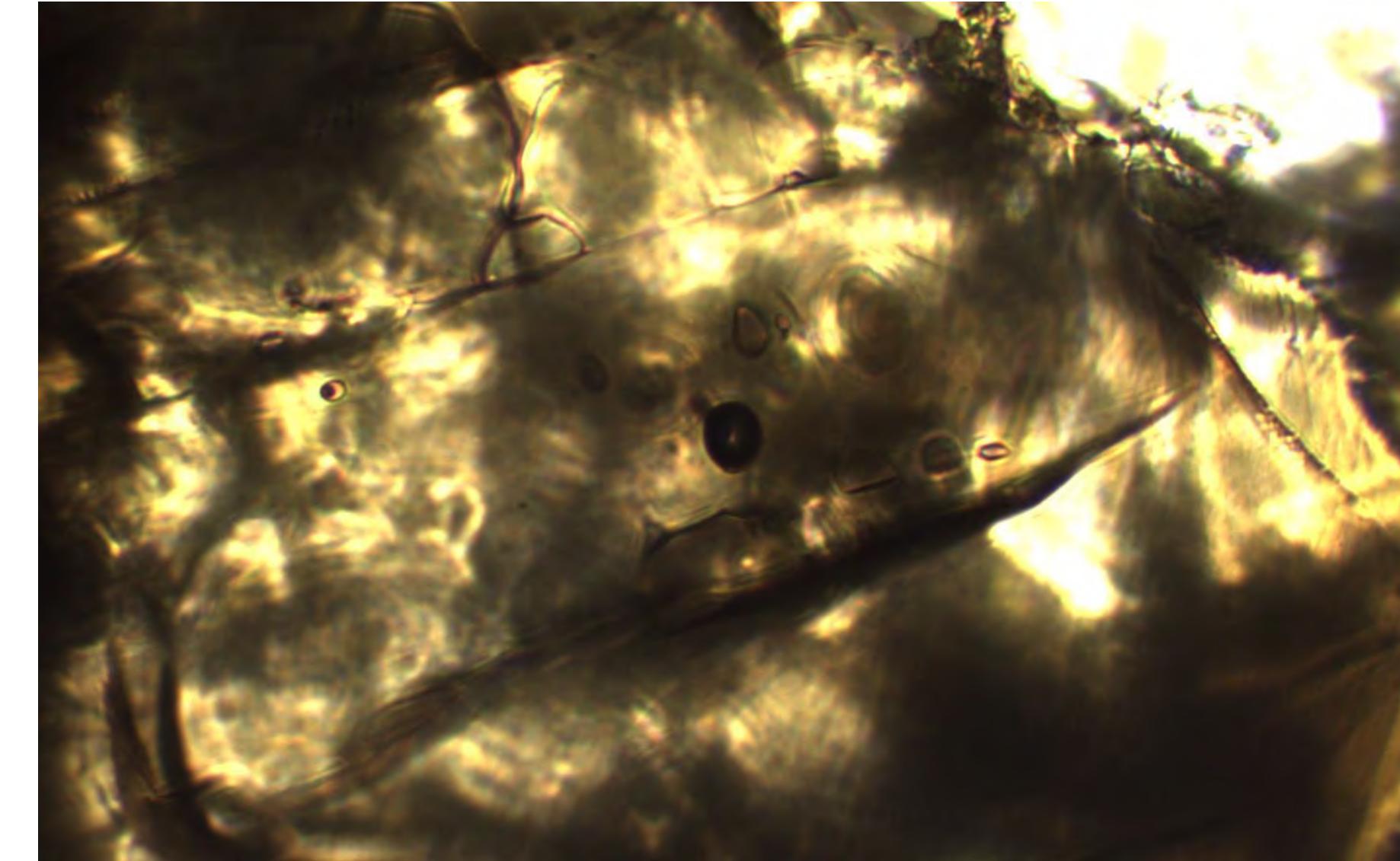
M85\_c52\_a1\_FIA – doesn't match picture. Raman again.



# M85\_c52\_a1\_FIA

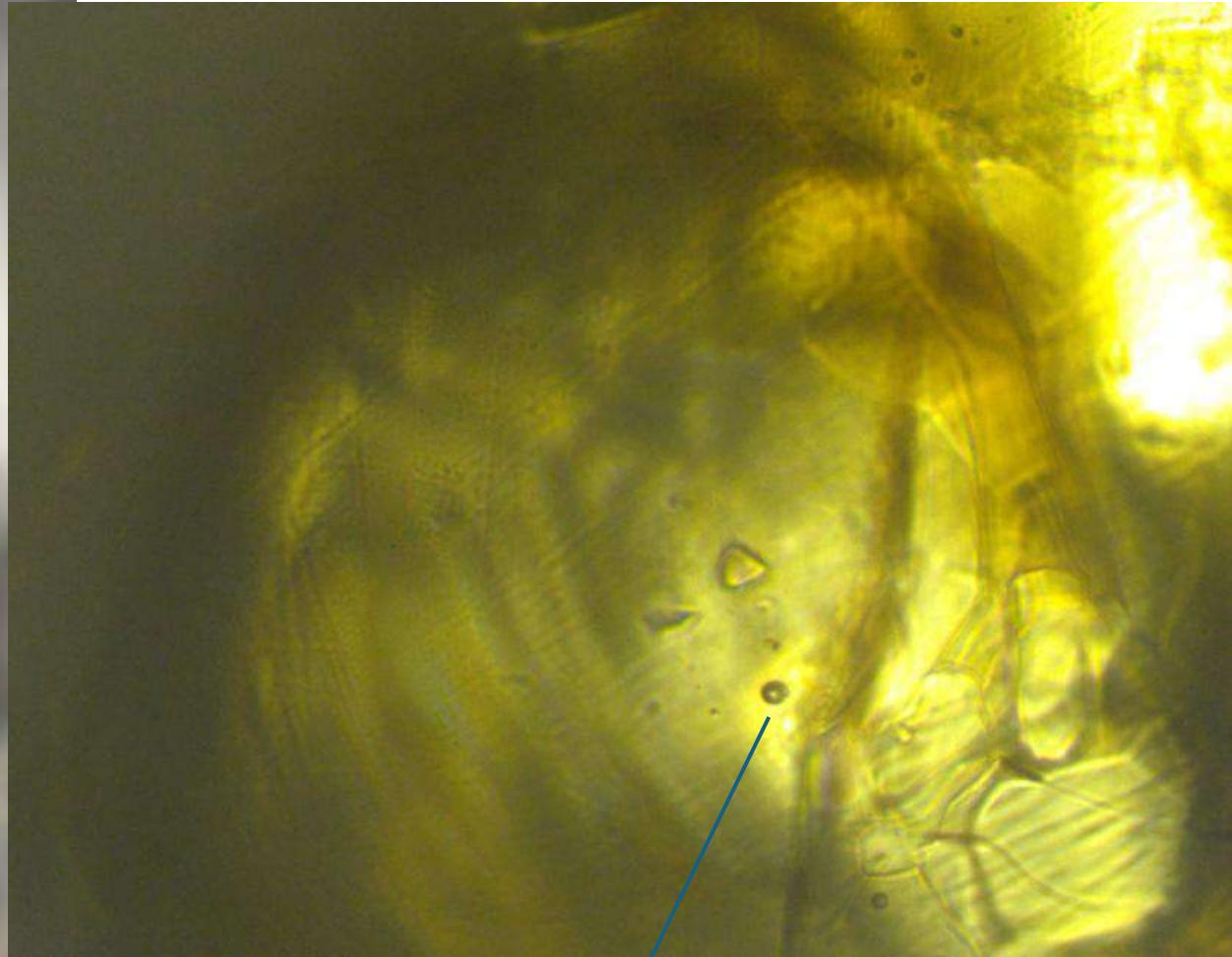
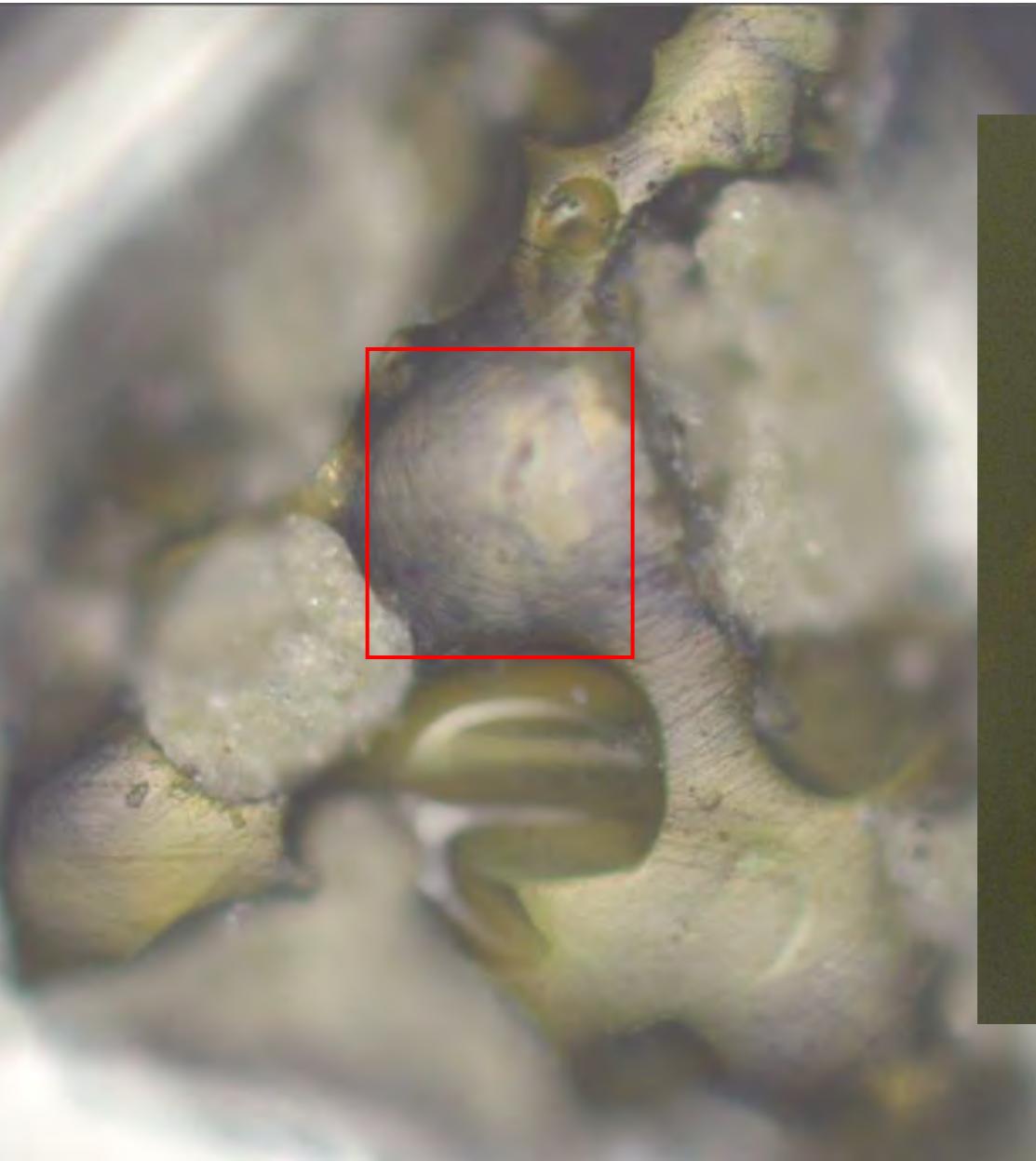
Filename	Mag	Width (µm)	Height (µm)
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21	53 M85_c52_a1_FIA.txt	50	224.607	140.379
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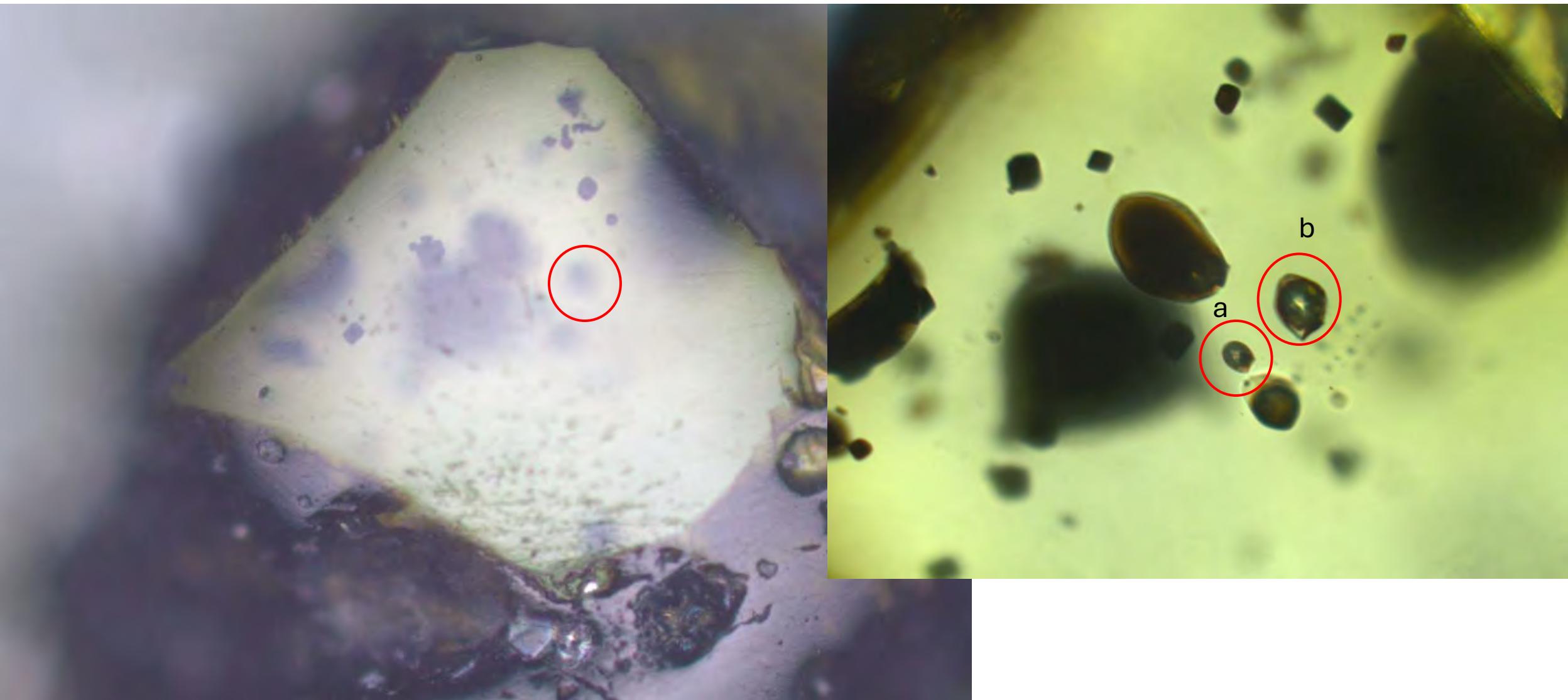


8th July 2024 - 1950 and Alexs samples

M58\_c50\_a1\_FIA – check with alex its not M85



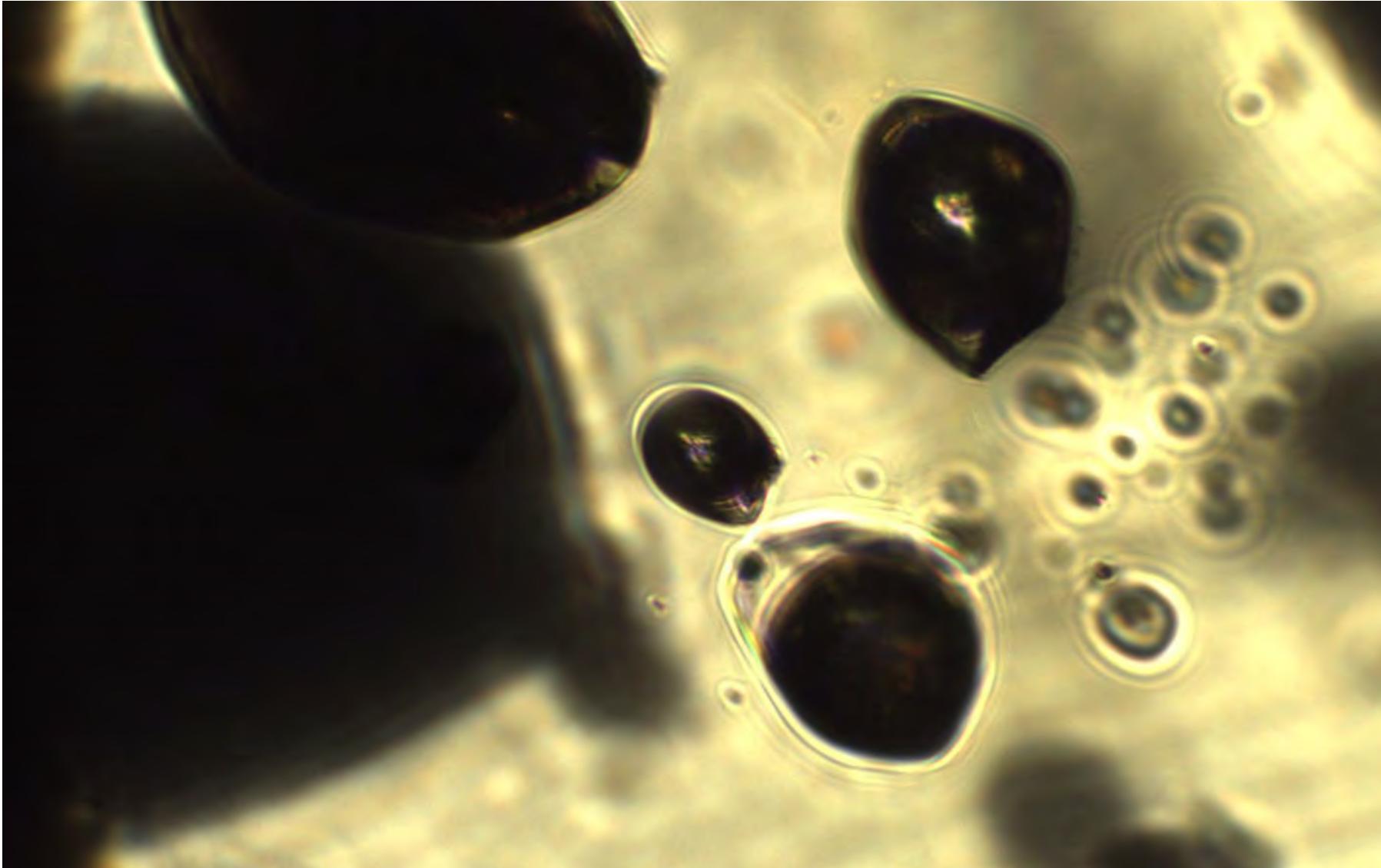
MLP\_c160\_a1\_FIA, MLP\_c60\_a1\_FIB



# MLP\_c160\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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22	57 MLP_c60_a1_FIA.txt	50	224.607	140.379
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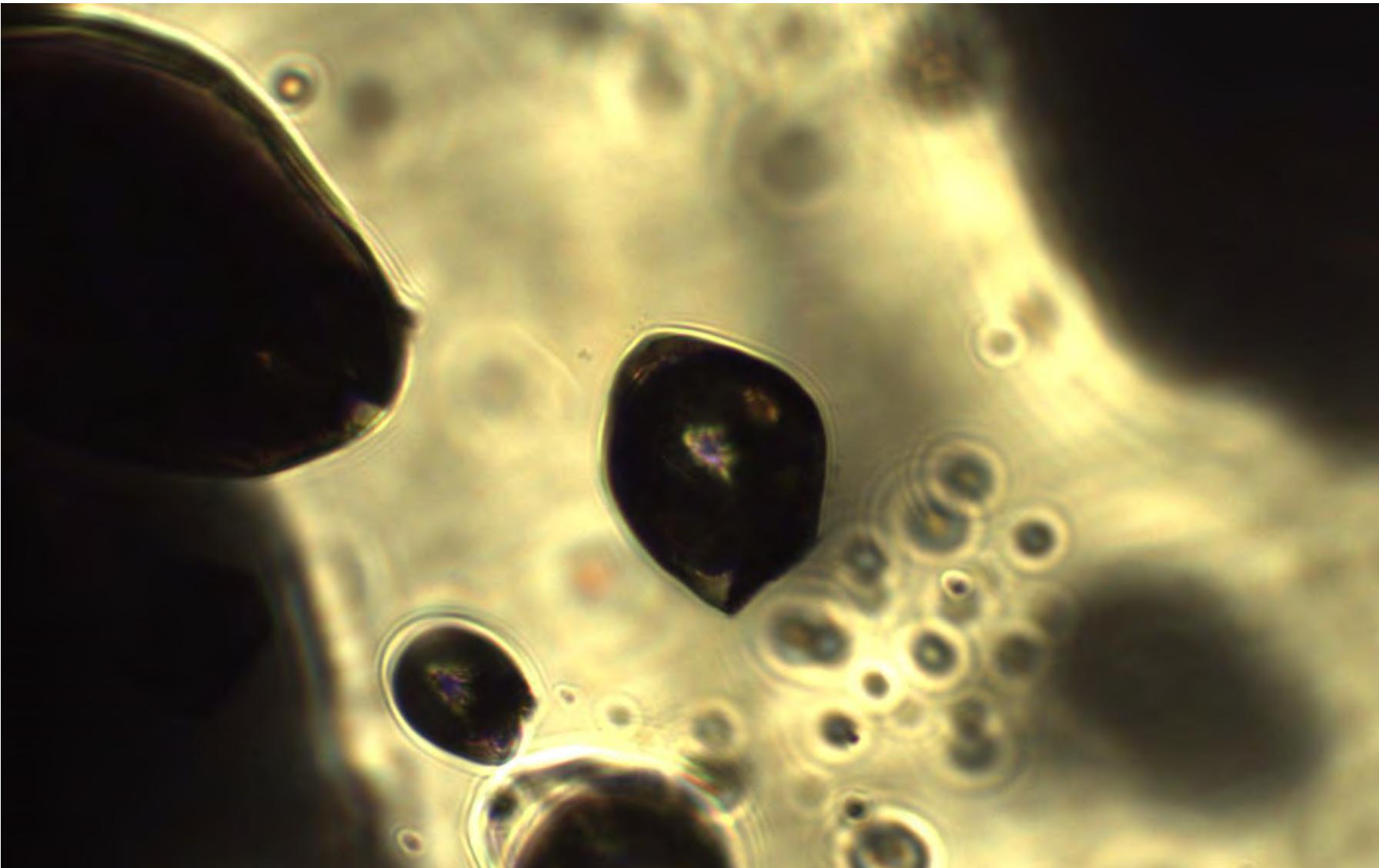


8th July 2024 - 1950 and Alexs samples

# MLP\_c160\_a1\_FIB

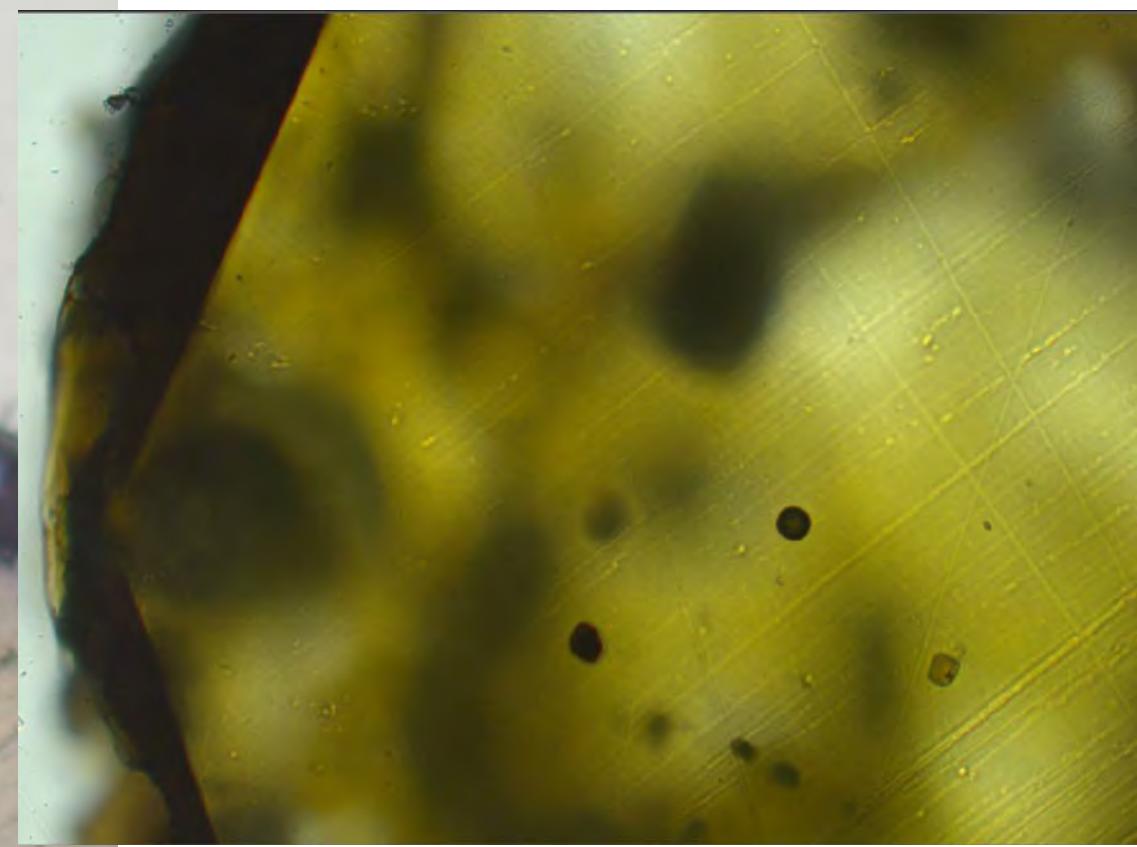
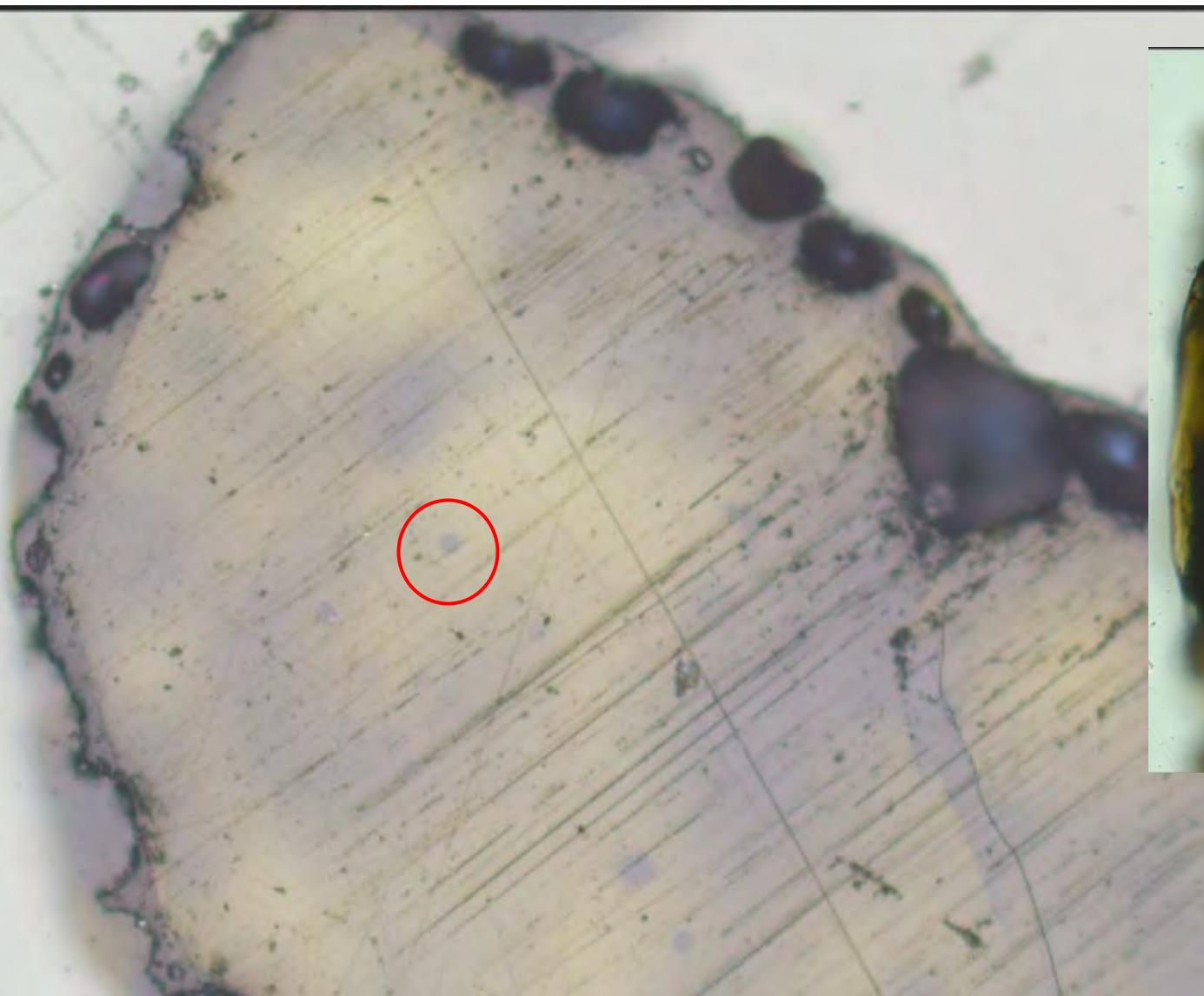
Filename	Mag	Width (µm)	Height (µm)
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23	59 MLP_c160_a1_FIB.txt	50	224.607	140.379
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8th July 2024 - 1950 and Alexs samples

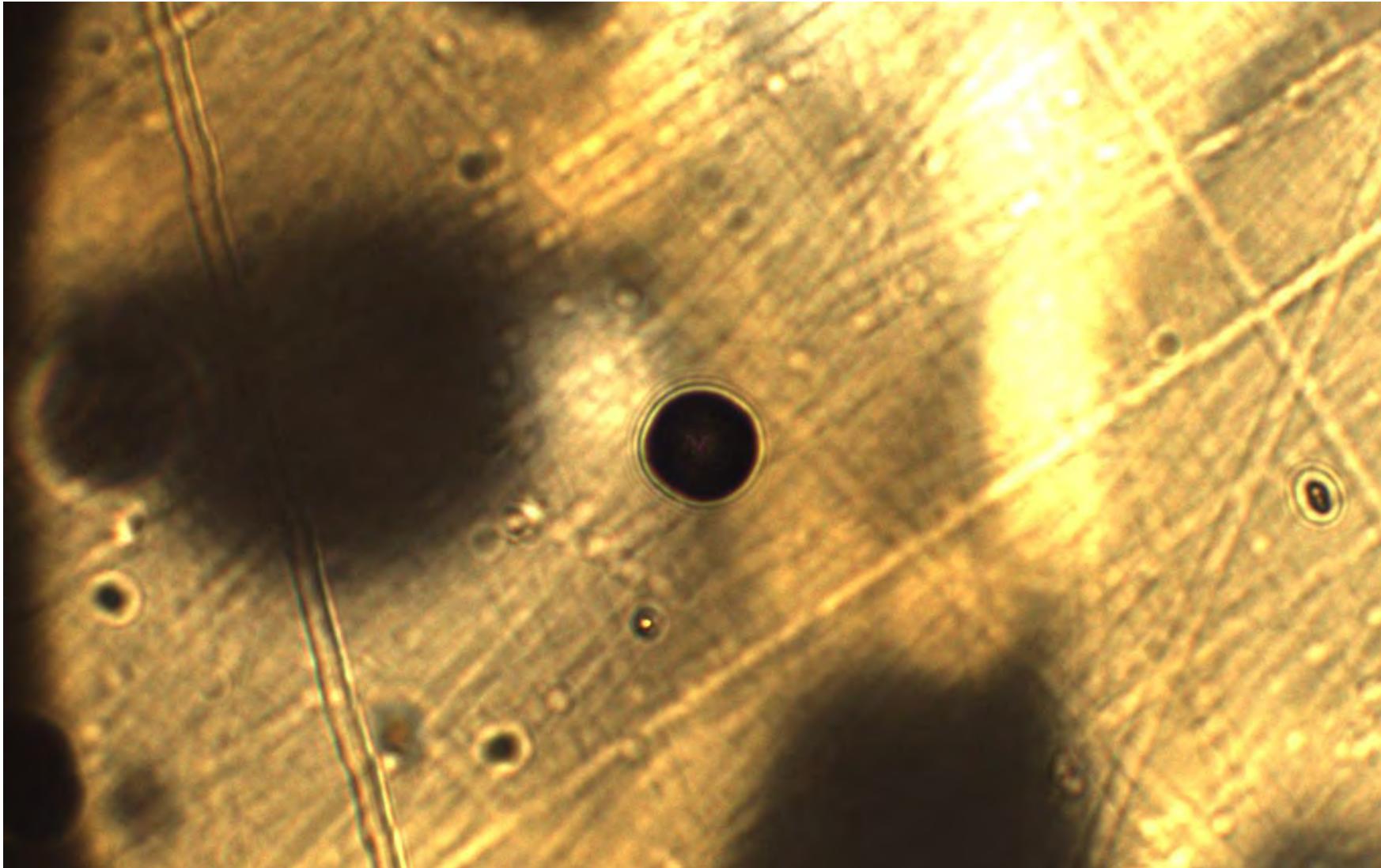
MLP\_161\_Is a second load of FI to analyse.



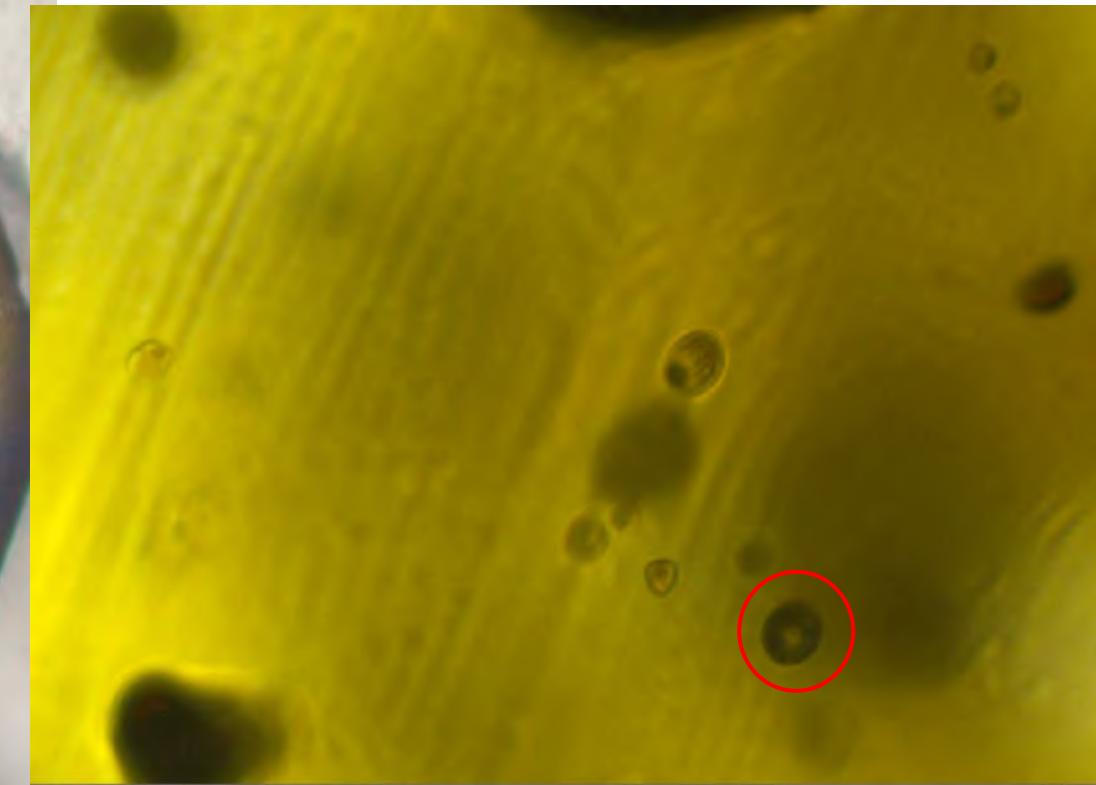
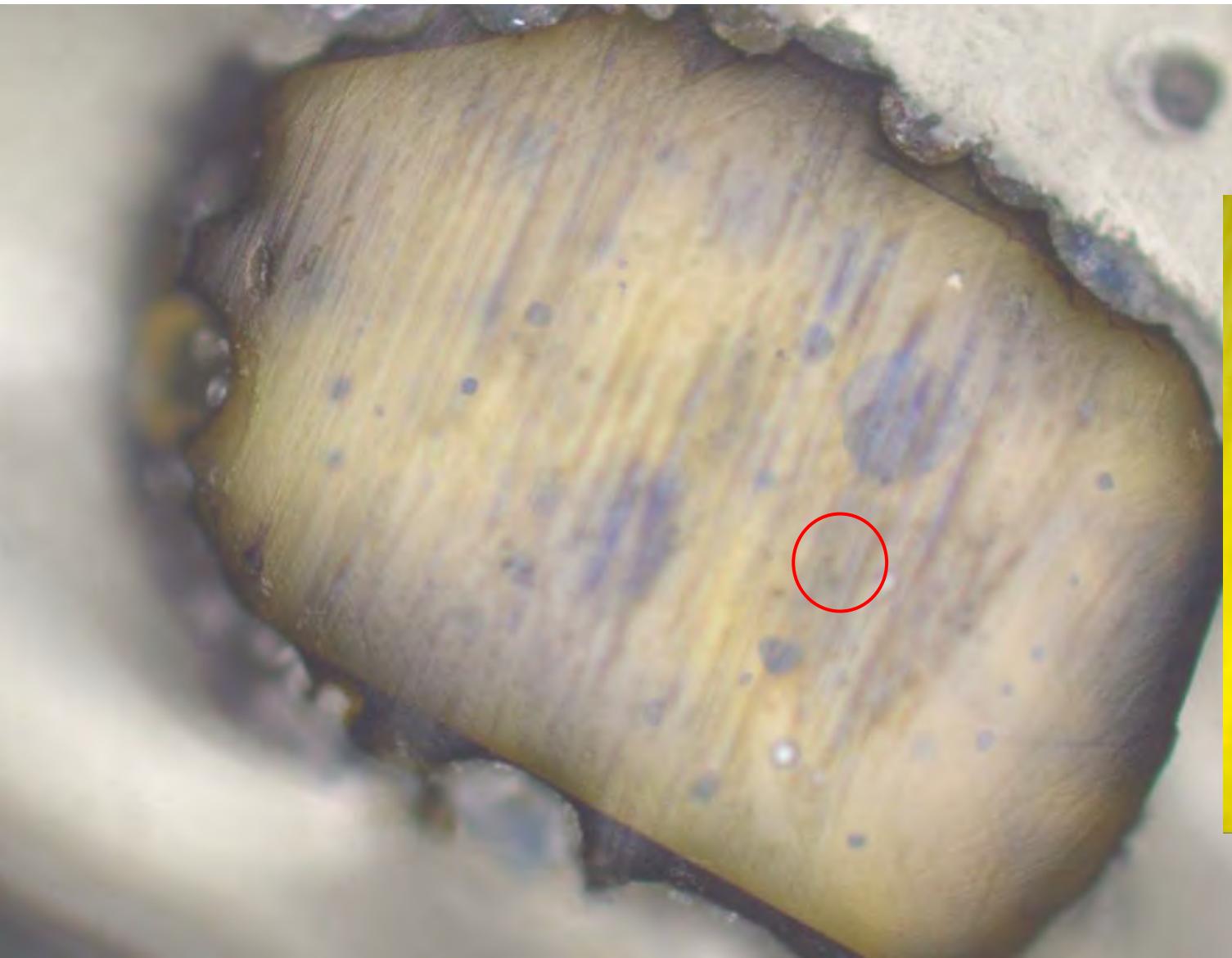
# MLP\_c161\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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24	61 MLP_c161_a1_FIA.txt	50	224.607	140.379
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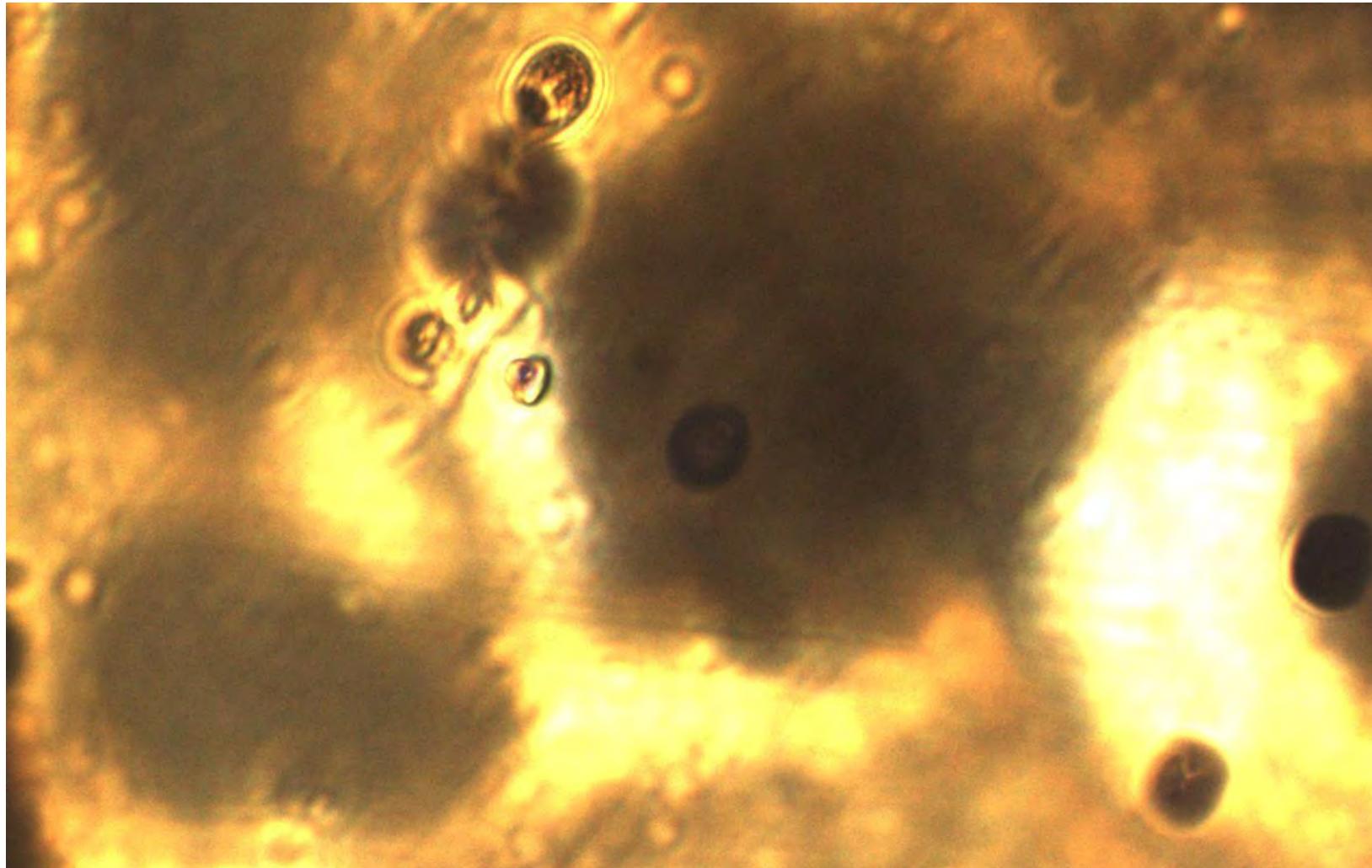
MLP\_162\_



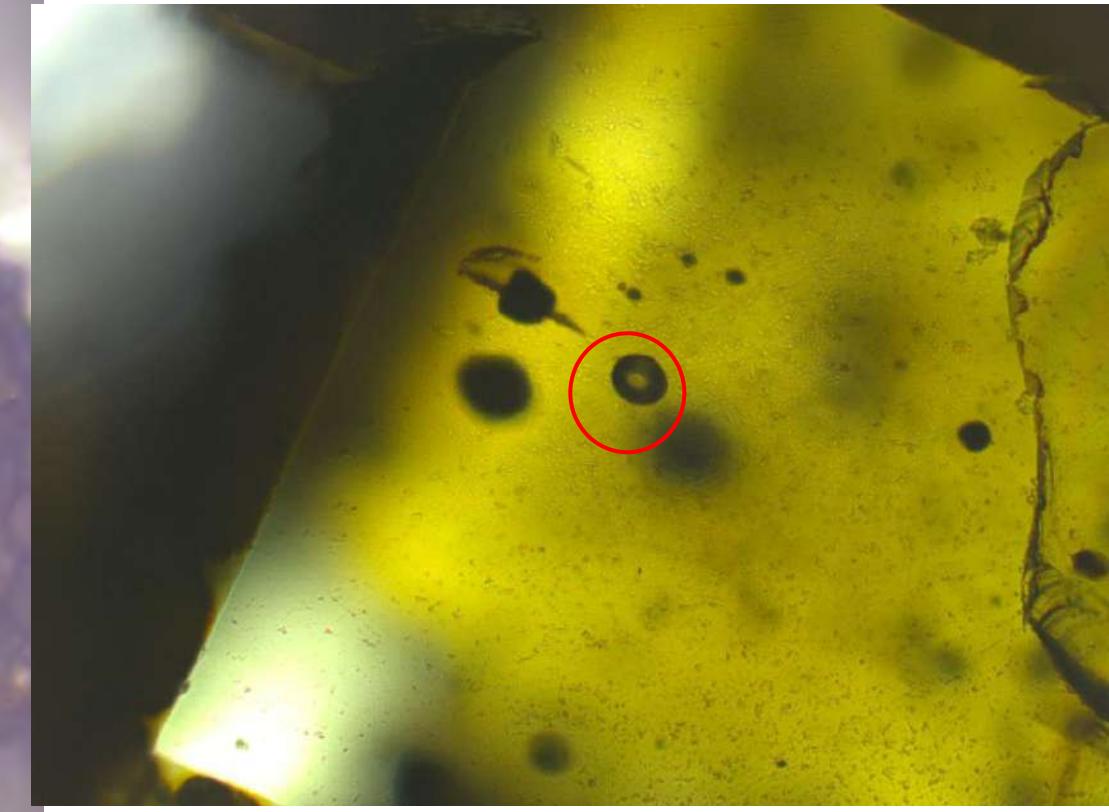
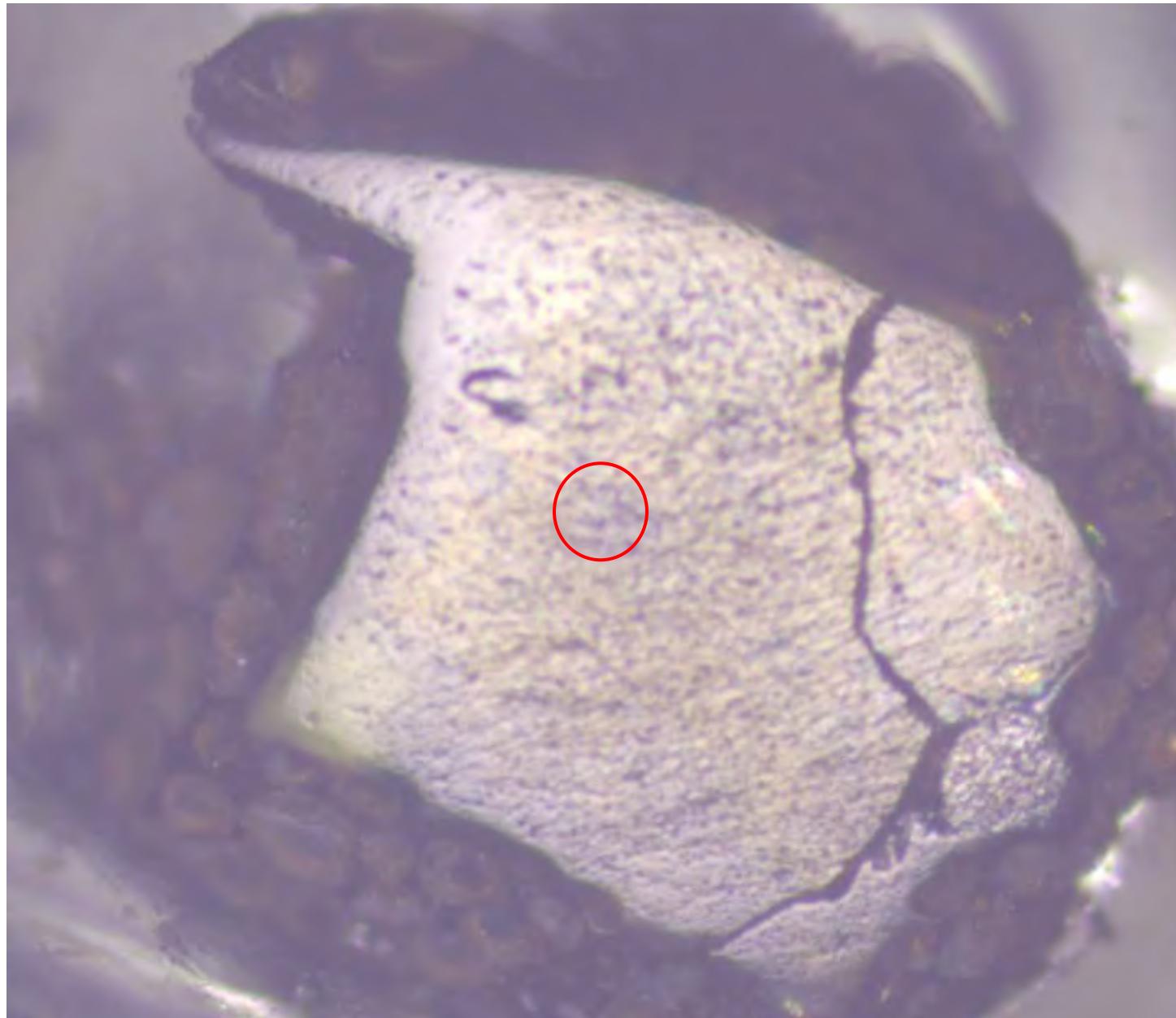
# MLP\_c162\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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25	63 MLP_c62_a1_FIA.txt	50	220.991	138.119
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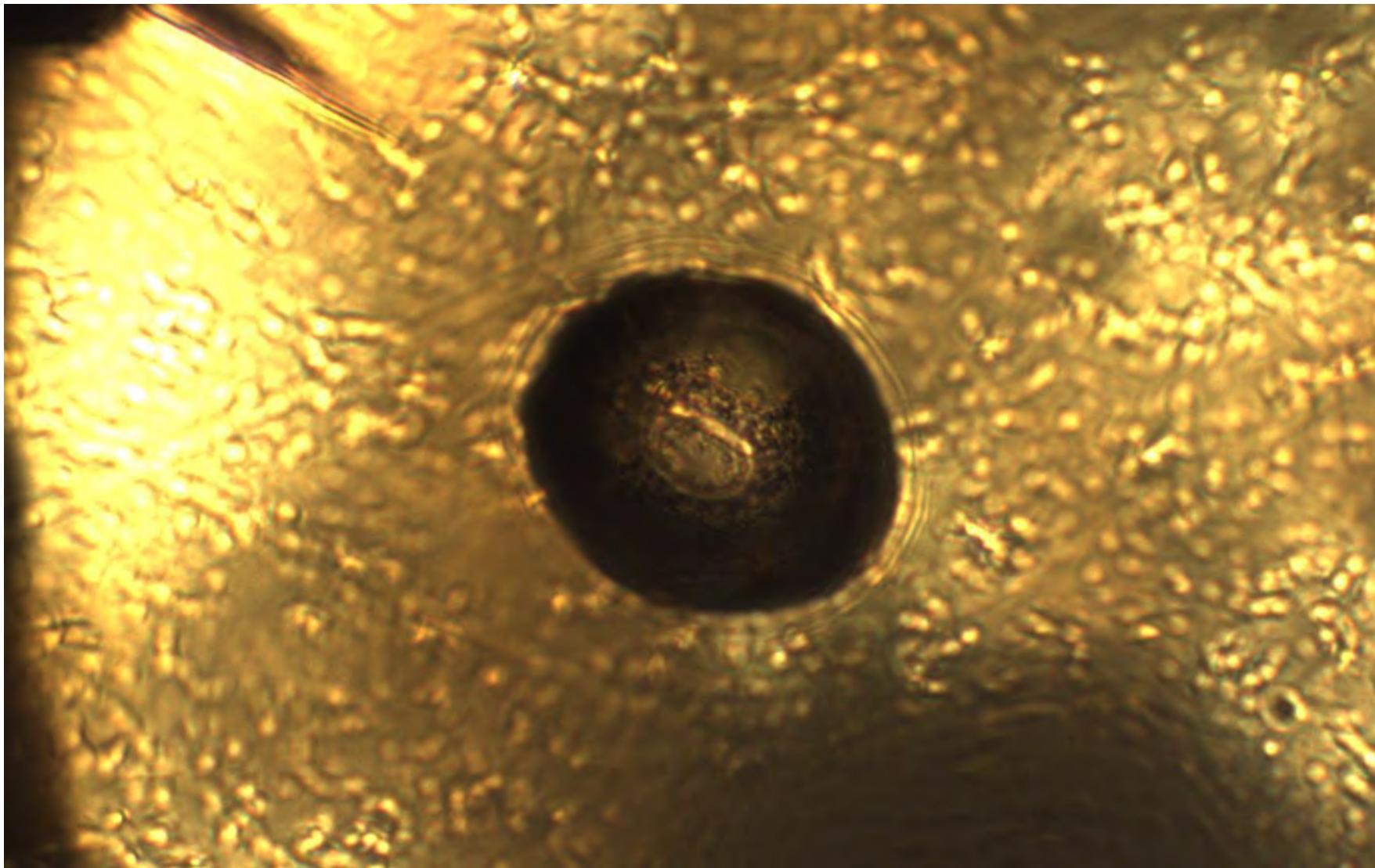
MLP\_164\_



# MLP\_c164\_a1\_FIA

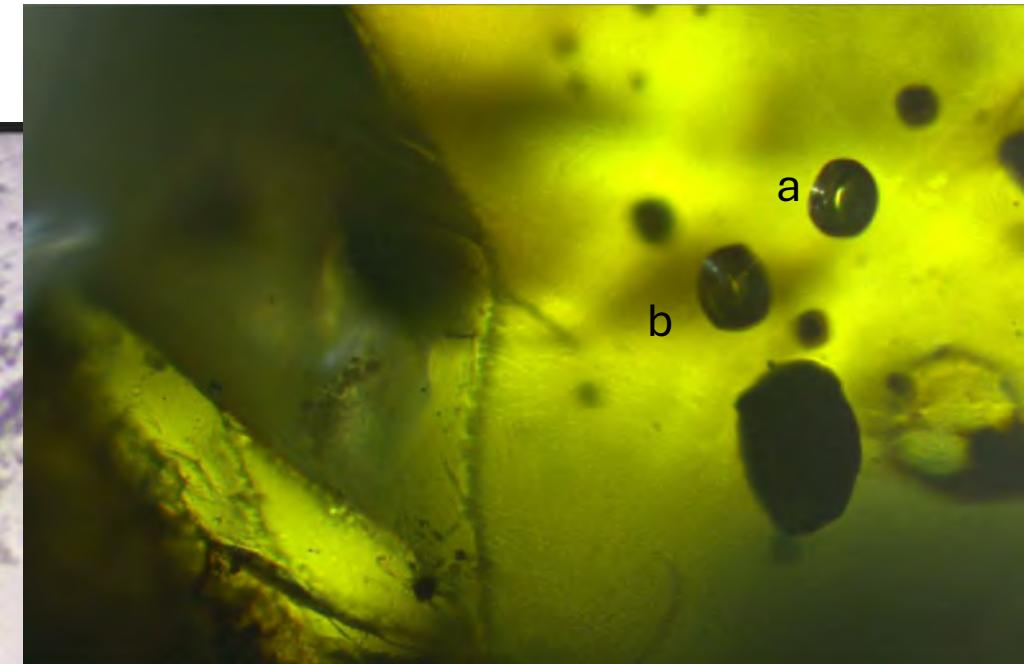
Filename	Mag	Width (µm)	Height (µm)
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27	67 MLP_c64_a1_FIA.txt	50	220.991	138.119
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8th July 2024 - 1950 and Alexs samples

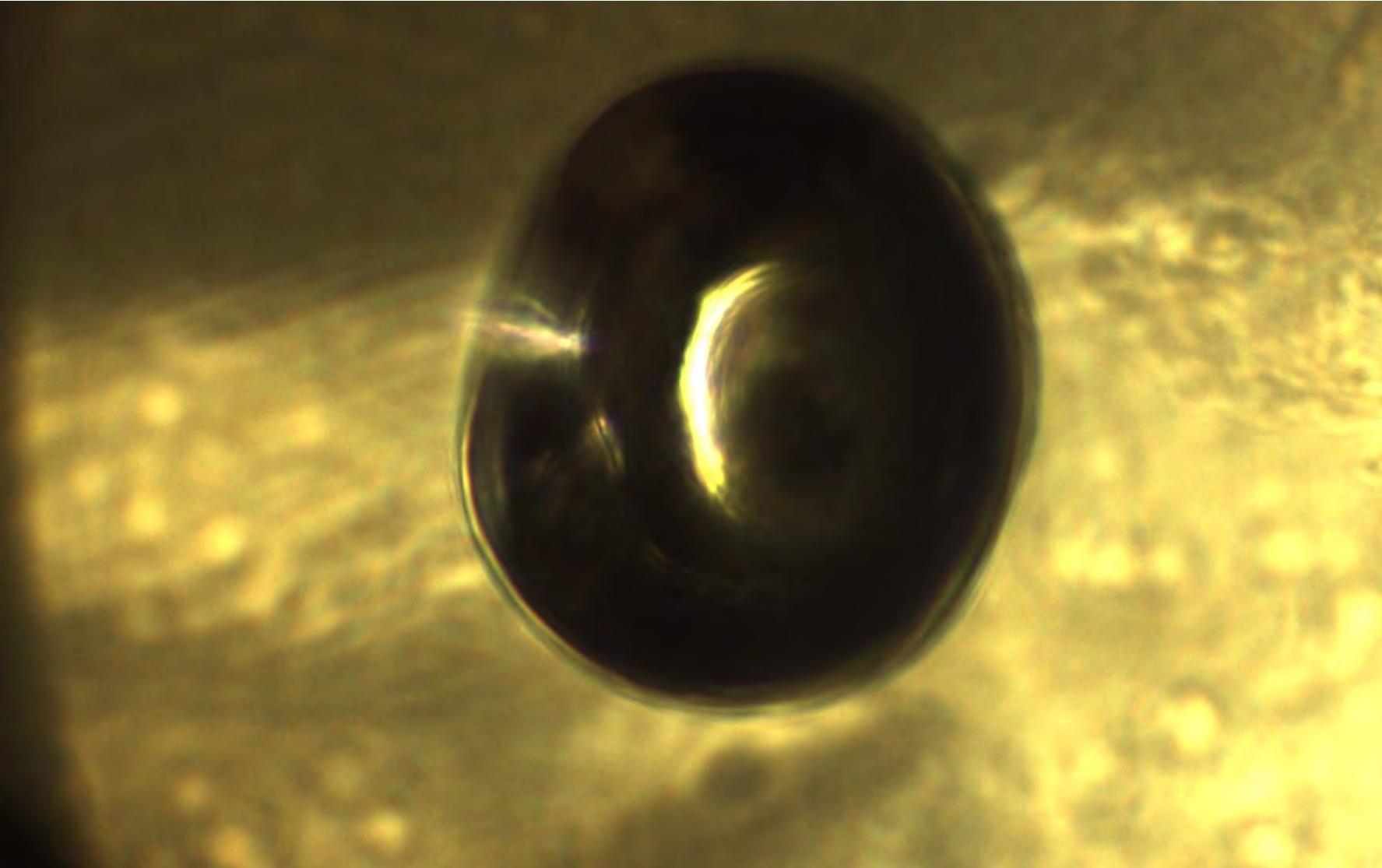
MLP\_165\_



# MLP\_c165\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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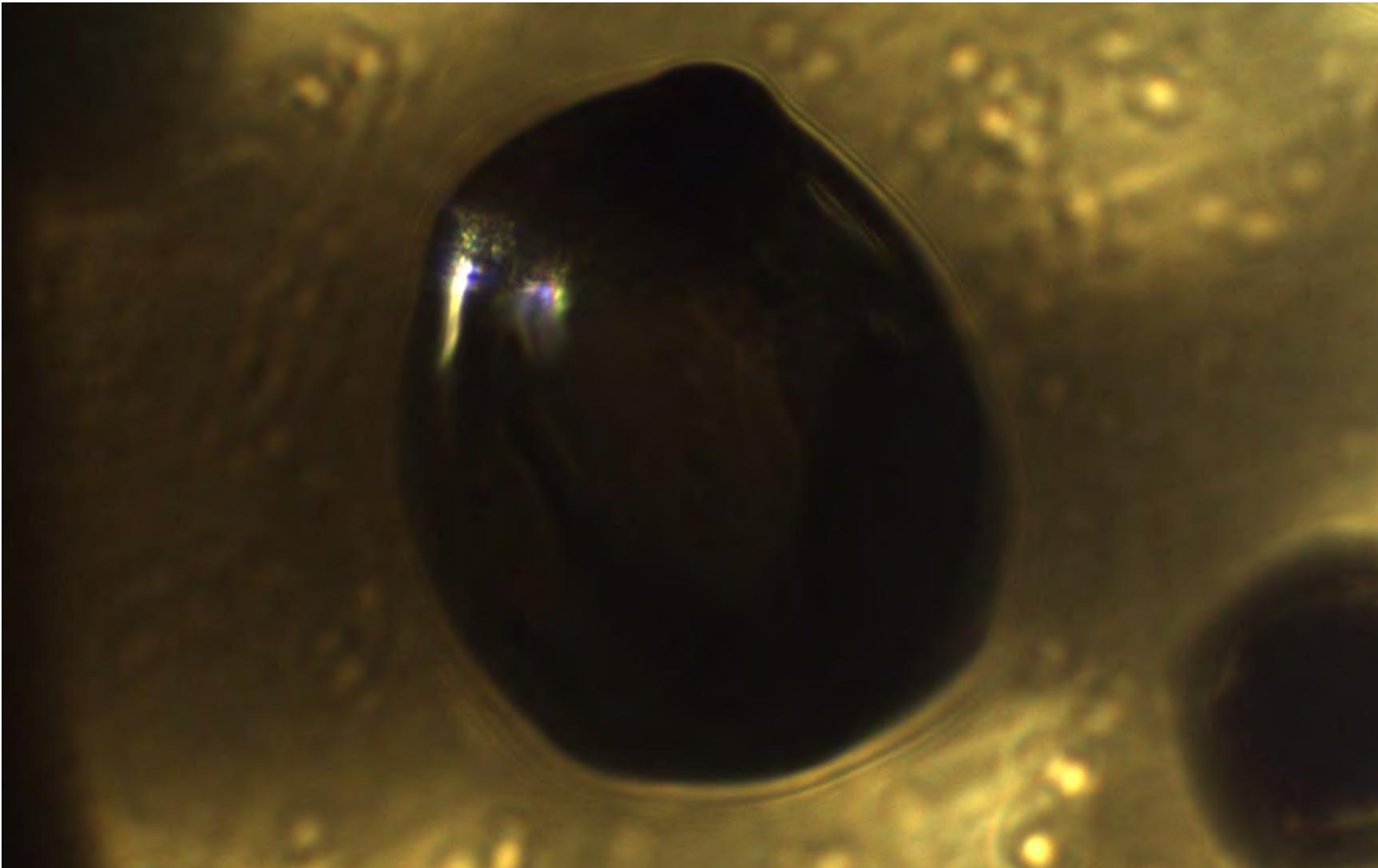
28	69 MLP_c165_a1_FIA.txt	50	220.991	138.119
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# MLP\_c165\_a1\_FIB

Filename	Mag	Width (μm)	Height (μm)
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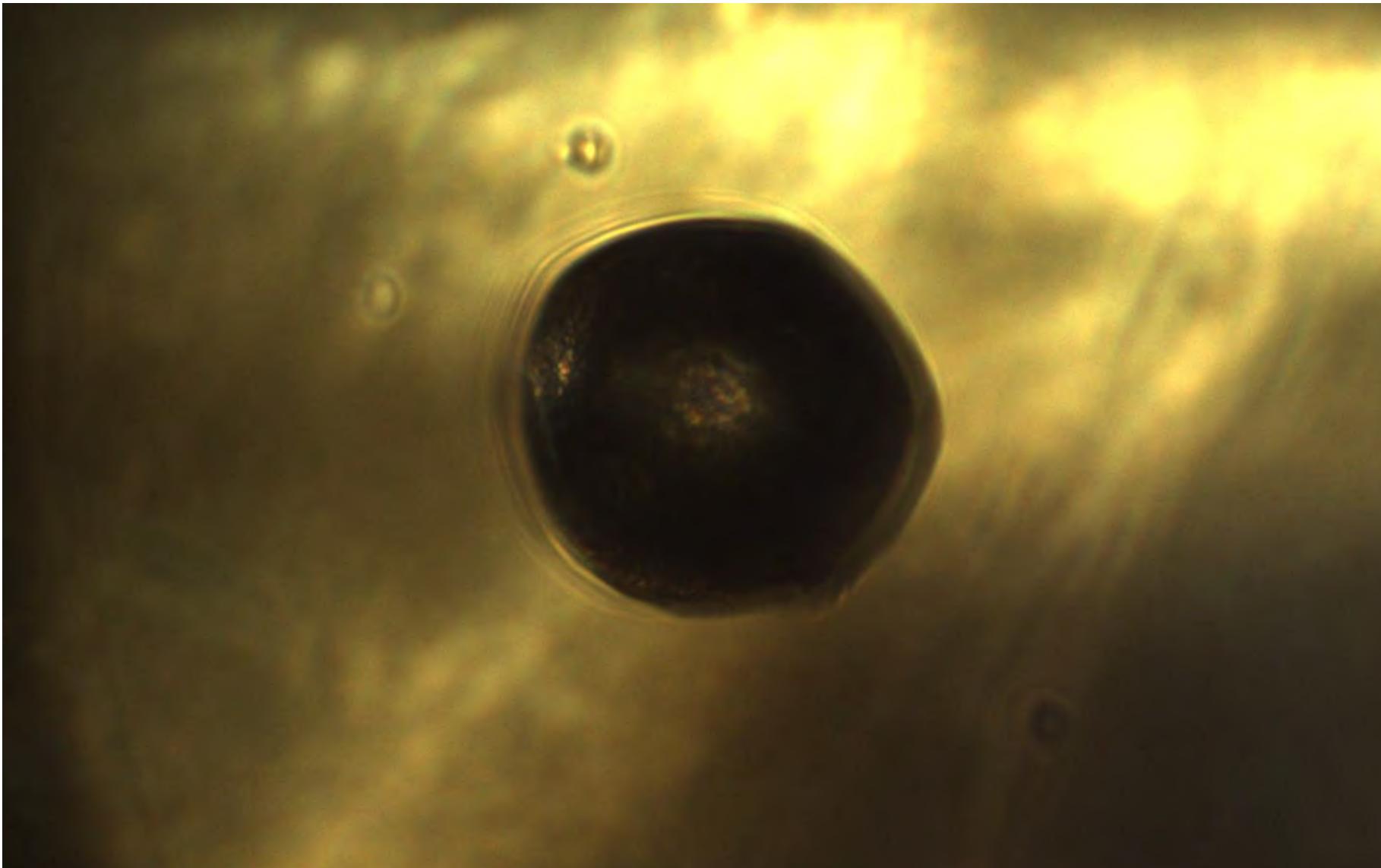
29	71 MLP_c65_a1_FIB.txt	50	220.991	138.119
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# MLP\_c165\_a1\_FIC

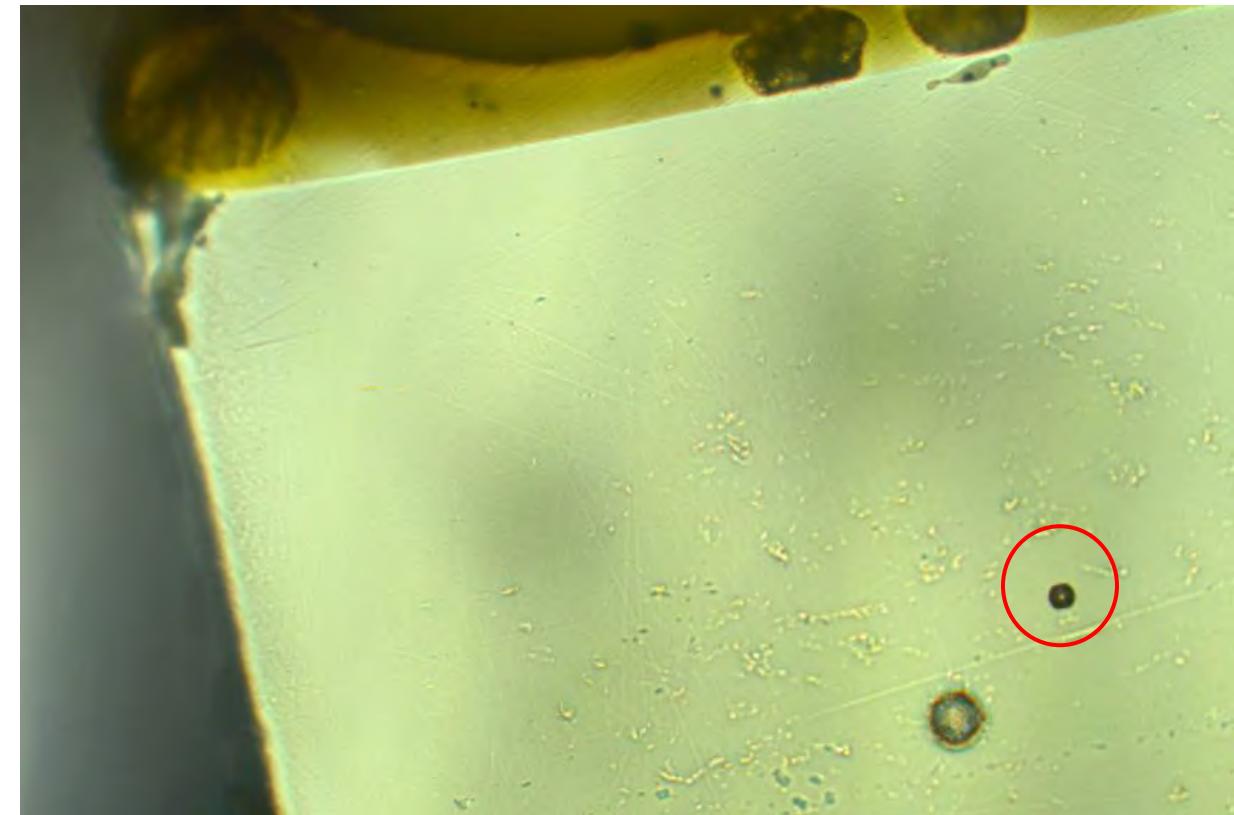
Filename	Mag	Width (µm)	Height (µm)
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30	73 MLP_c165_a1_FIC.txt	50	220.991	138.119
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8th July 2024 - 1950 and Alexs samples

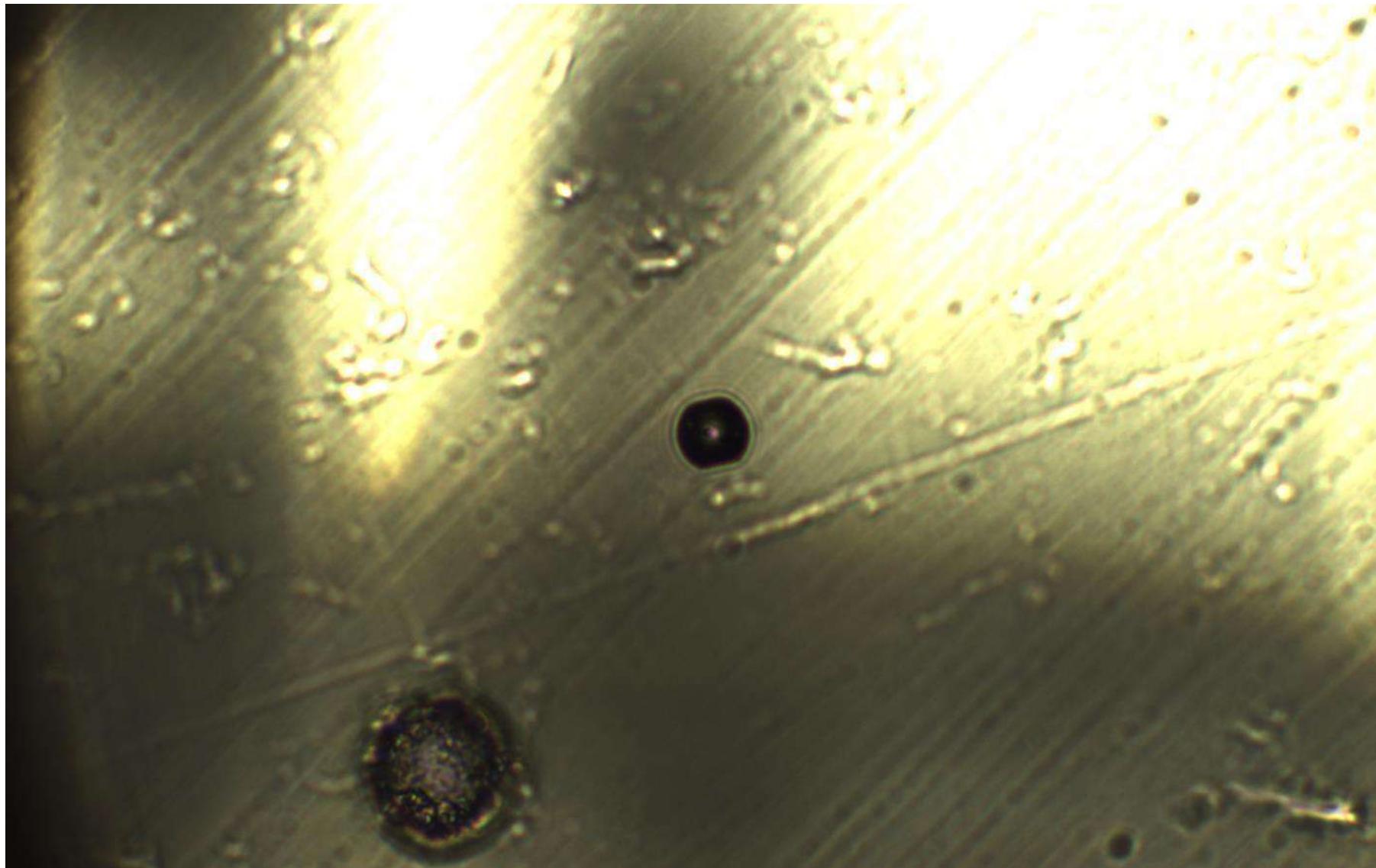
MLP\_166\_



# MLP\_c166\_a1\_FIA

Filename	Mag	Width (µm)	Height (µm)
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31	76 MLP_c66_a1_FIA.txt	50	220.991	138.119
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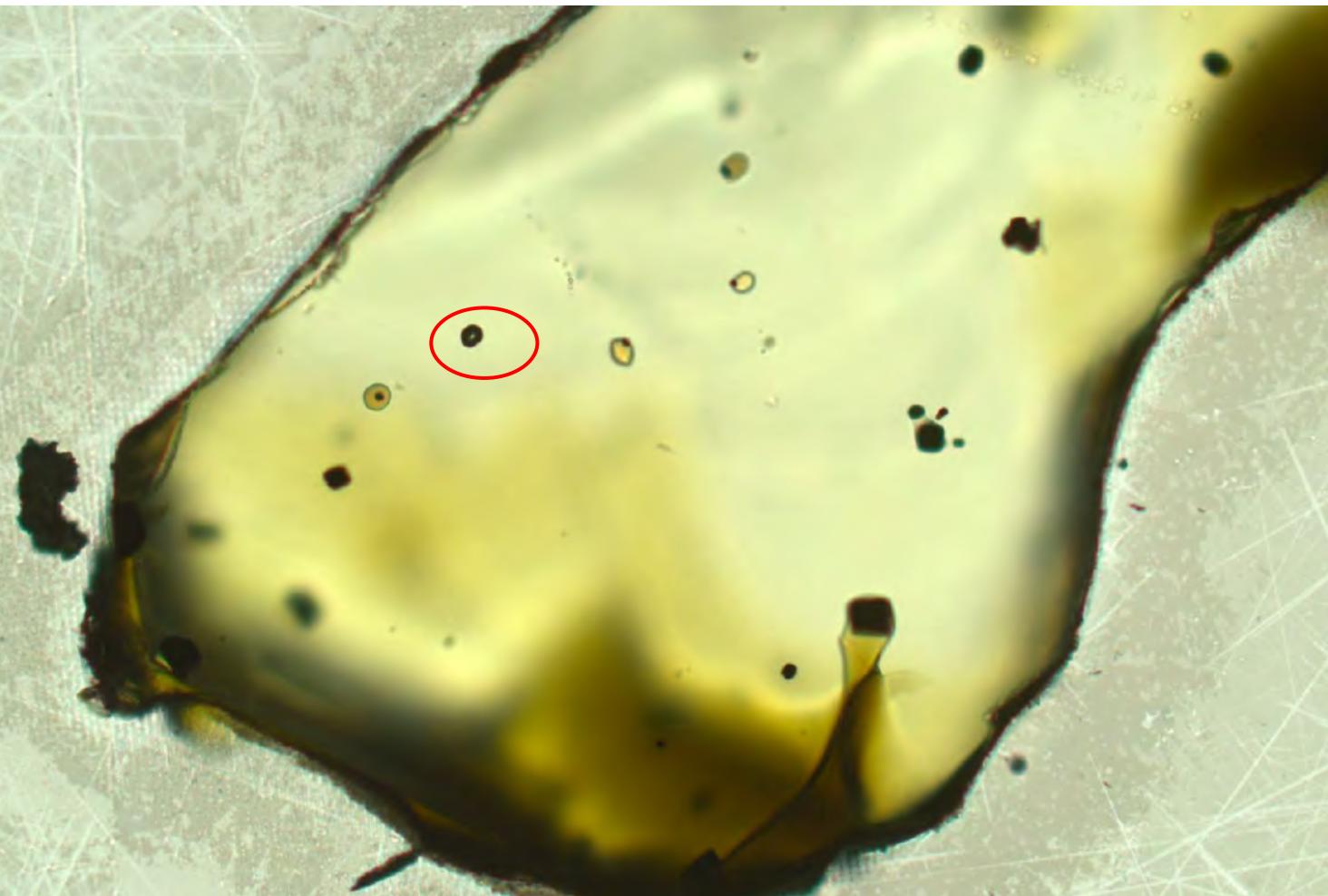
8th July 2024 - 1950 and Alexs samples

# Folder: 08\_21\_2024\_1950AD\_Gaffney

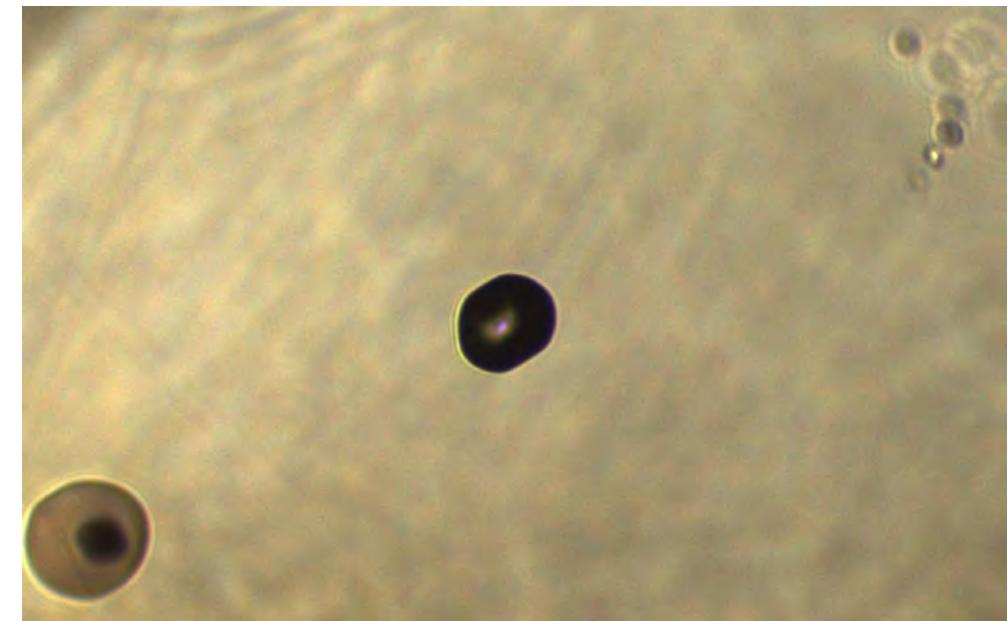
- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

M58\_c70\_LHS\_a1\_FIA - done

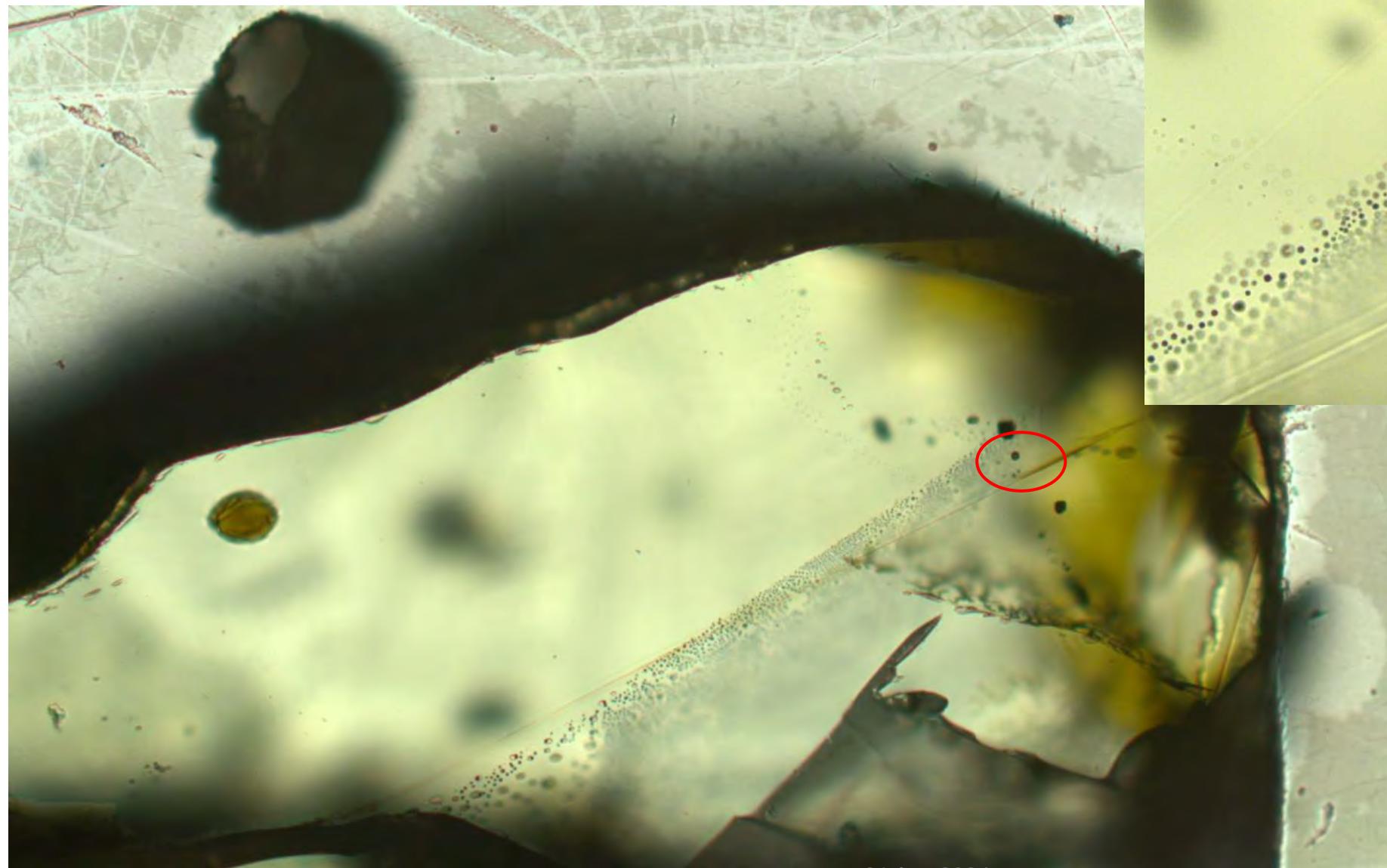
Nice diad + SO2



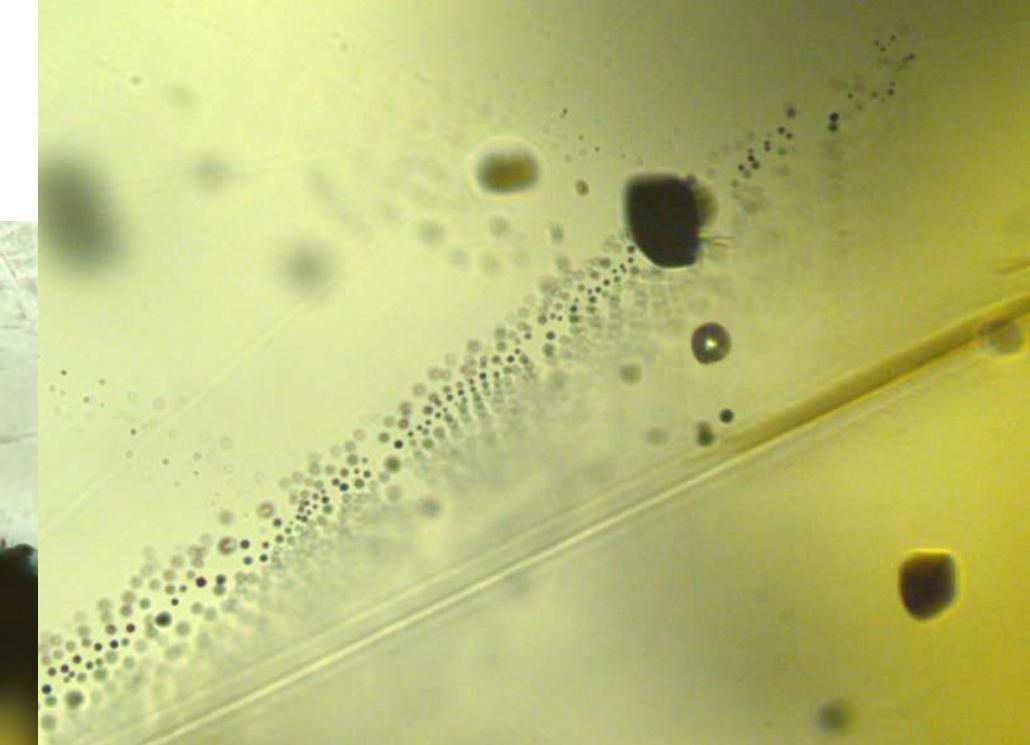
	Filename	Mag	Width (µm)	Height (µm)
0	05 M58_c70_LHS_a1_FIA.txt	50	220.201	137.626



M58\_c71\_a1\_FIA

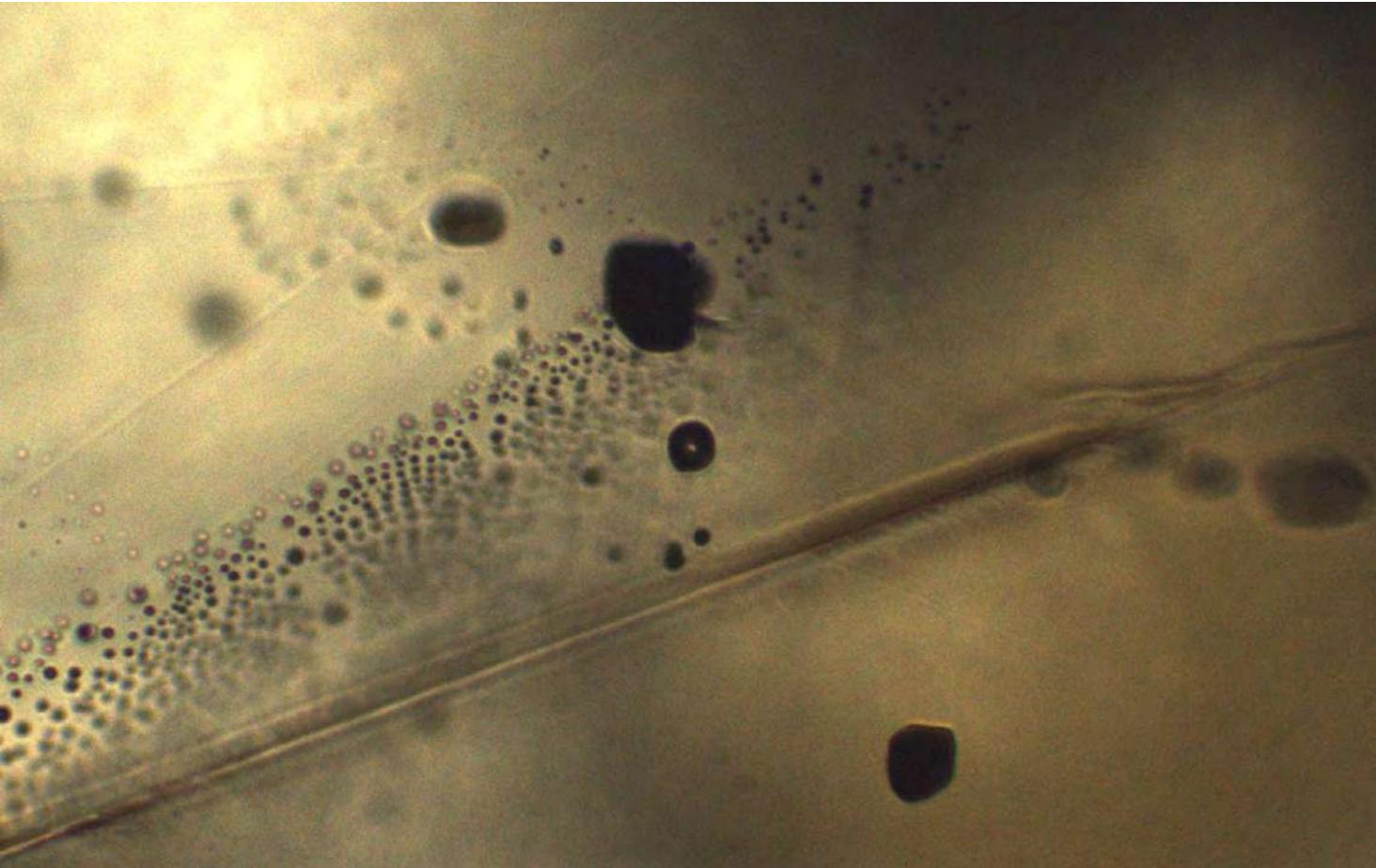


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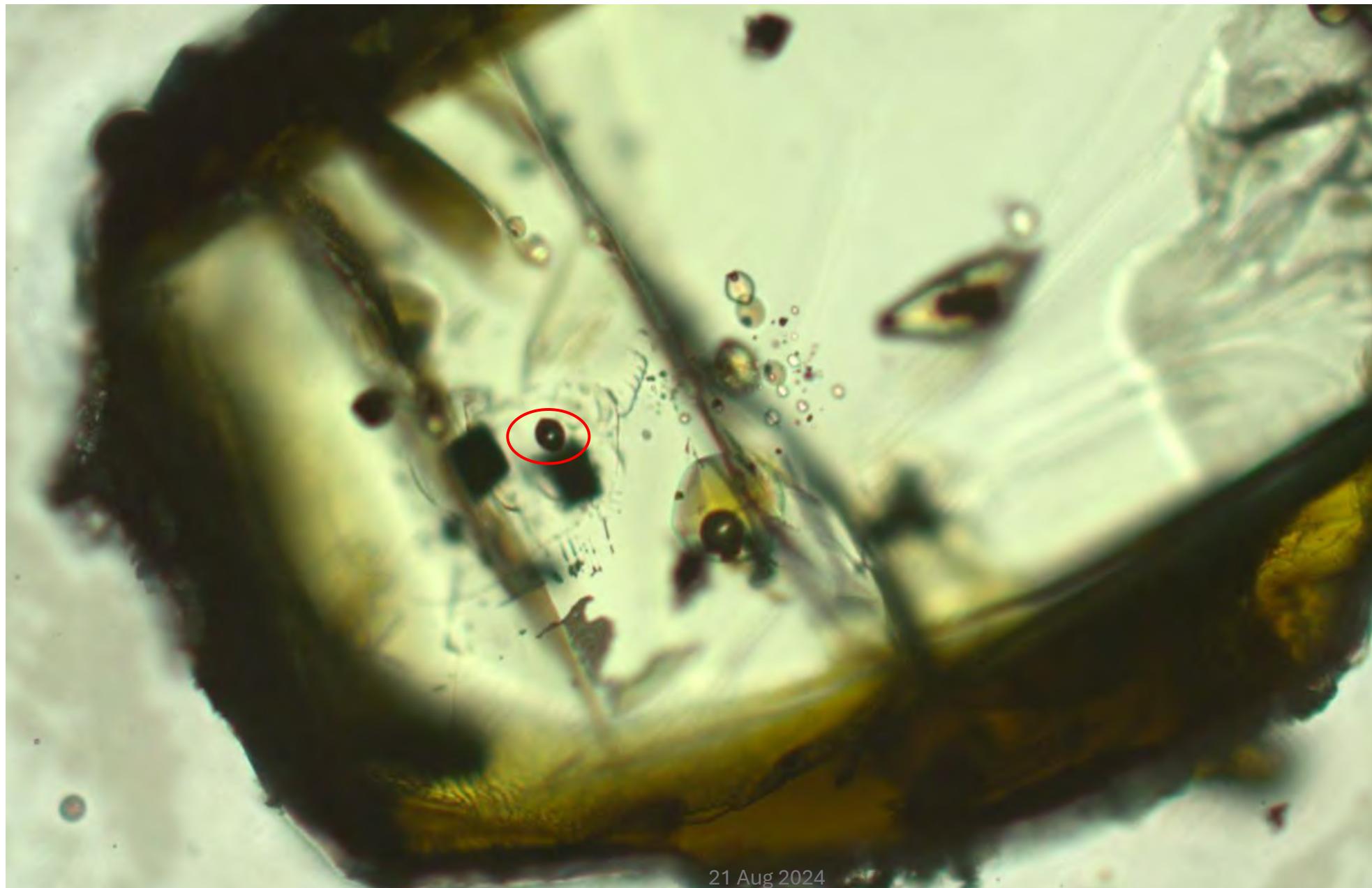


# M58\_c71\_a1\_FIA

	Filename	Mag	Width (μm)	Height (μm)
1	08 M58_c71_a1_FIA_50X.txt	50	220.201	137.626

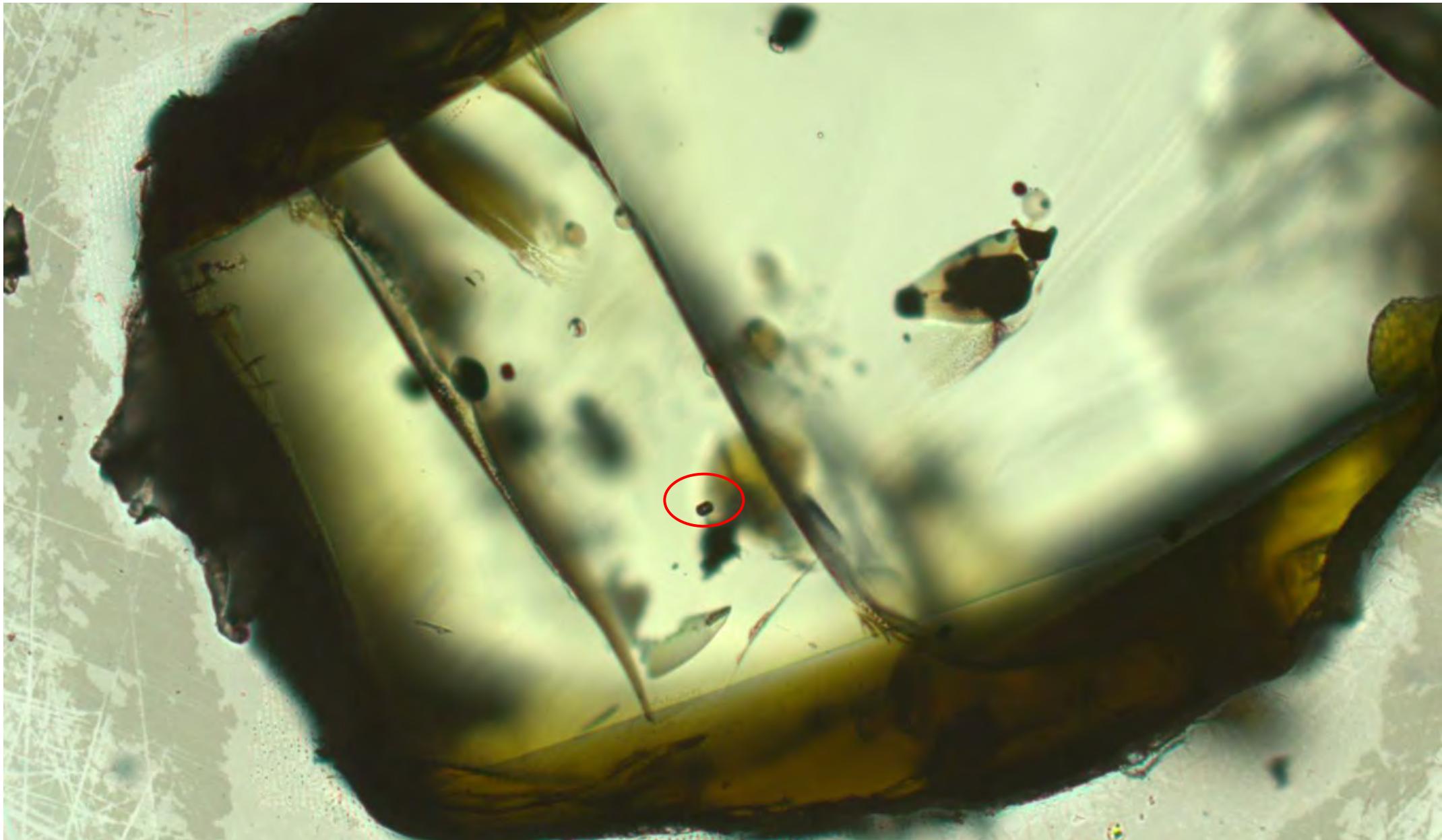


M58\_c73\_a1\_FIA - done



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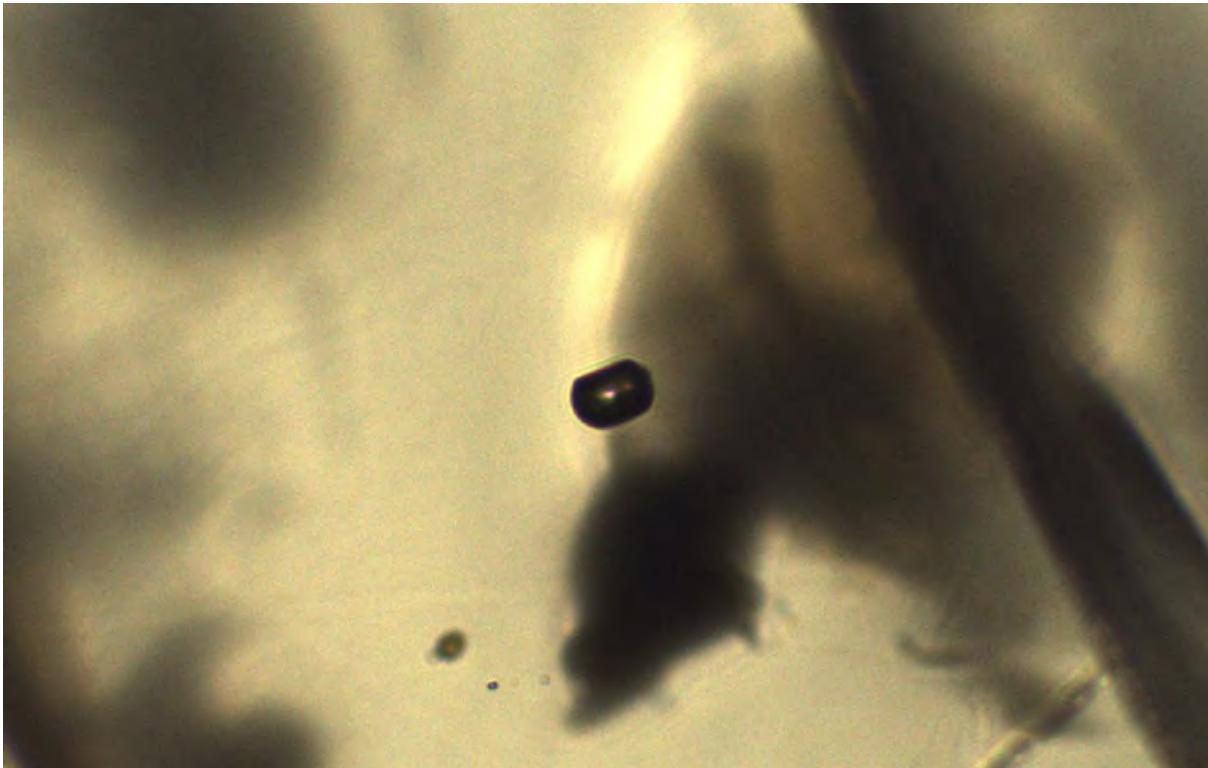
M58\_c73\_a2\_FIB – much shallower than FIA - done



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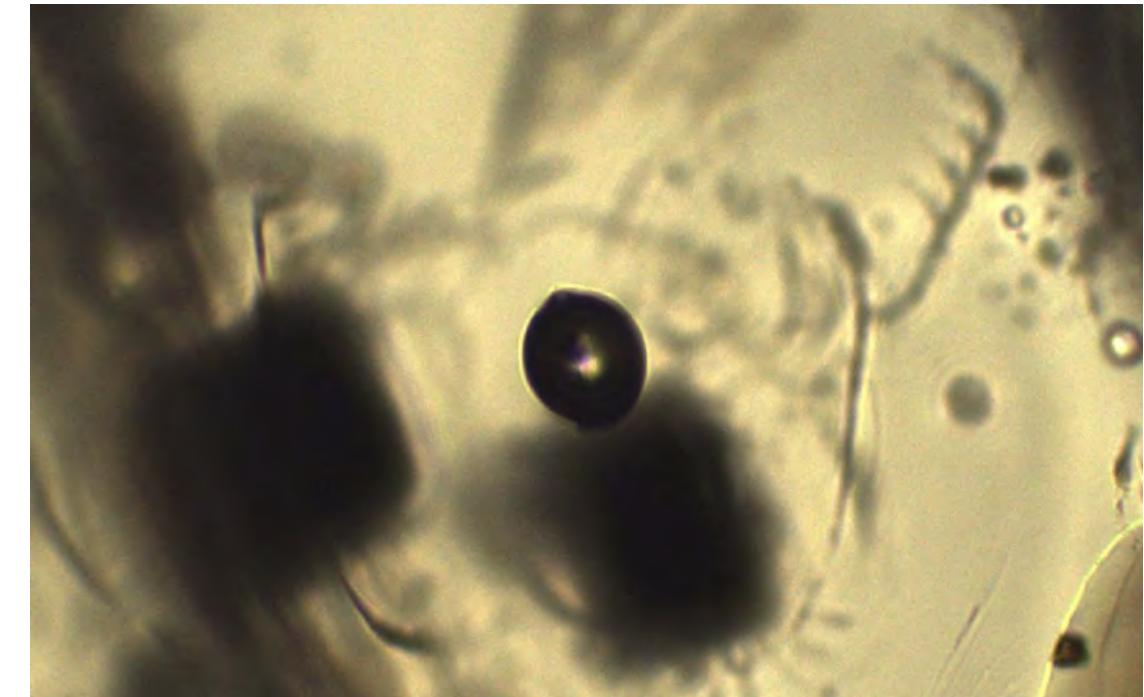
# M58\_c73\_a2\_FIB

	Filename	Mag	Width (µm)	Height (µm)
2	10 M58_c73_a2_FIB.txt	50	220.201	137.626

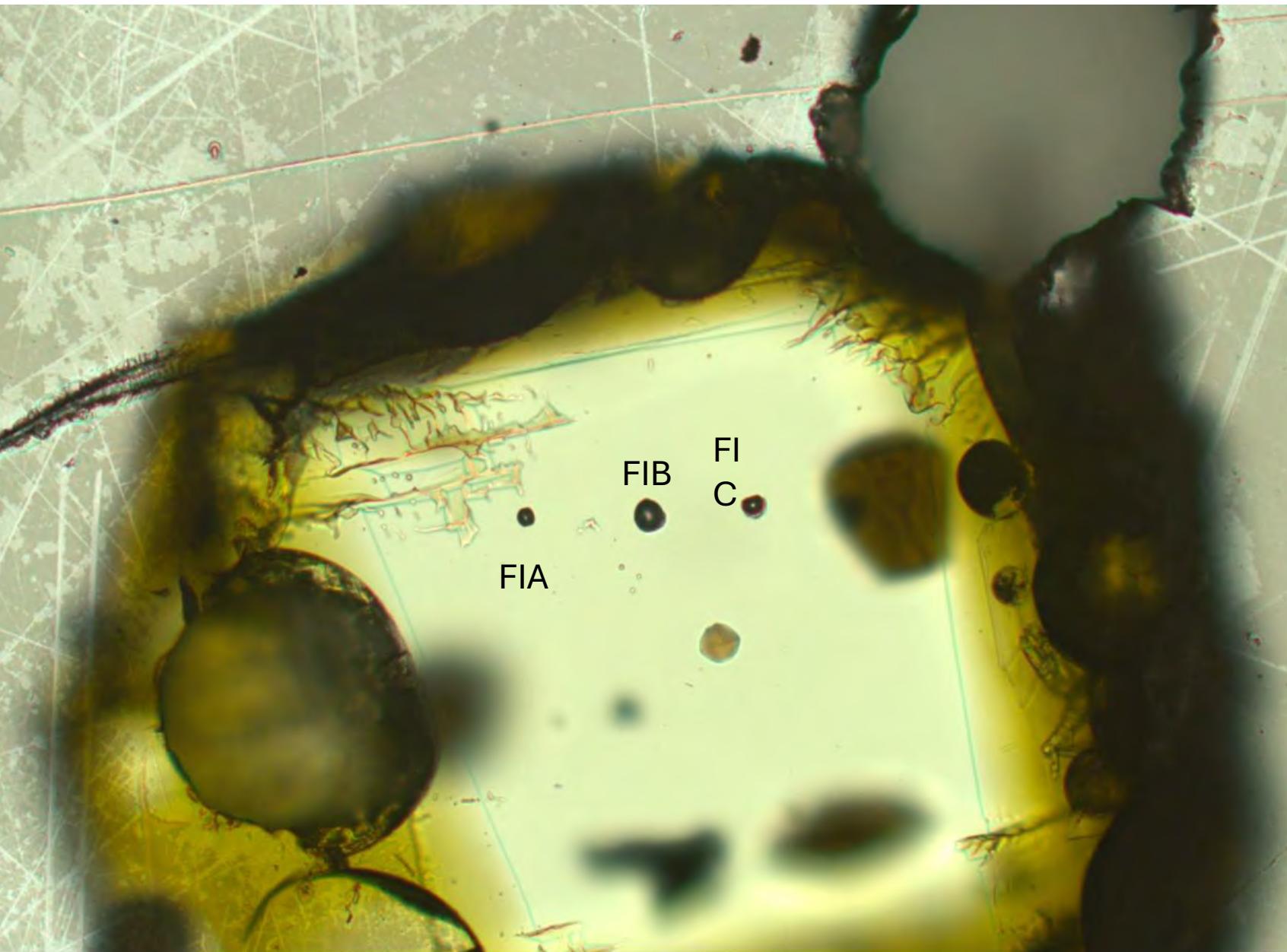


# M58\_c73\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
3	13 M58_c73_a1_FIA.txt	50	220.201	137.626

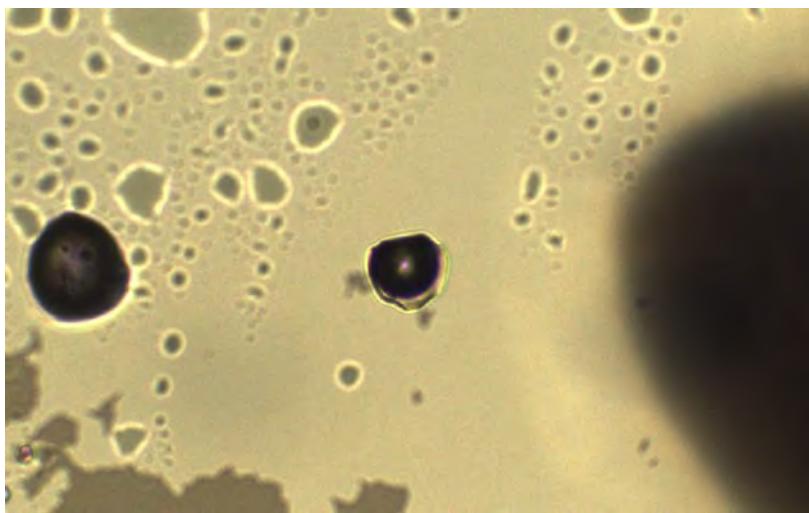


M58\_c74\_a1\_FIA, M58\_c74\_a2\_FIB, M58\_c74\_a2\_FIC – all nice diads, very little SO2

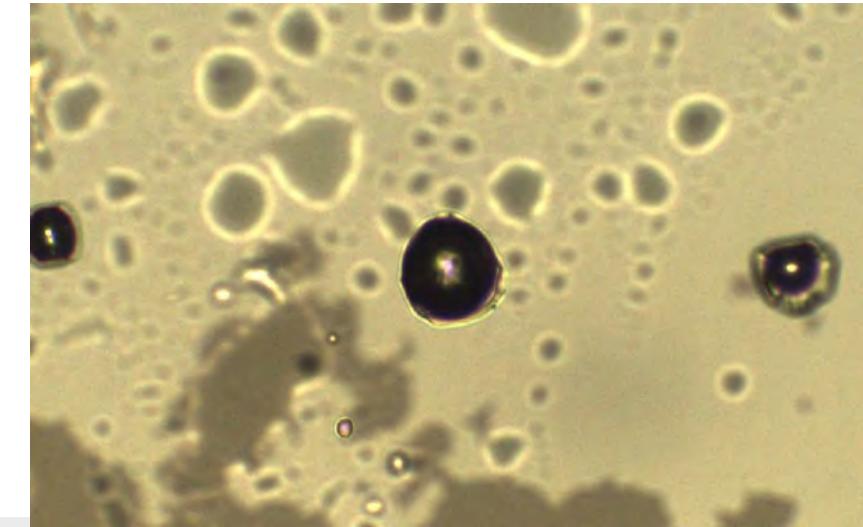


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	Filename	Mag	Width (µm)	Height (µm)
4	15 M58_c74_a2_FIC.txt	50	220.201	137.626



	Filename	Mag	Width (µm)	Height (µm)
5	17 M58_c74_a2_FIB.txt	50	220.201	137.626

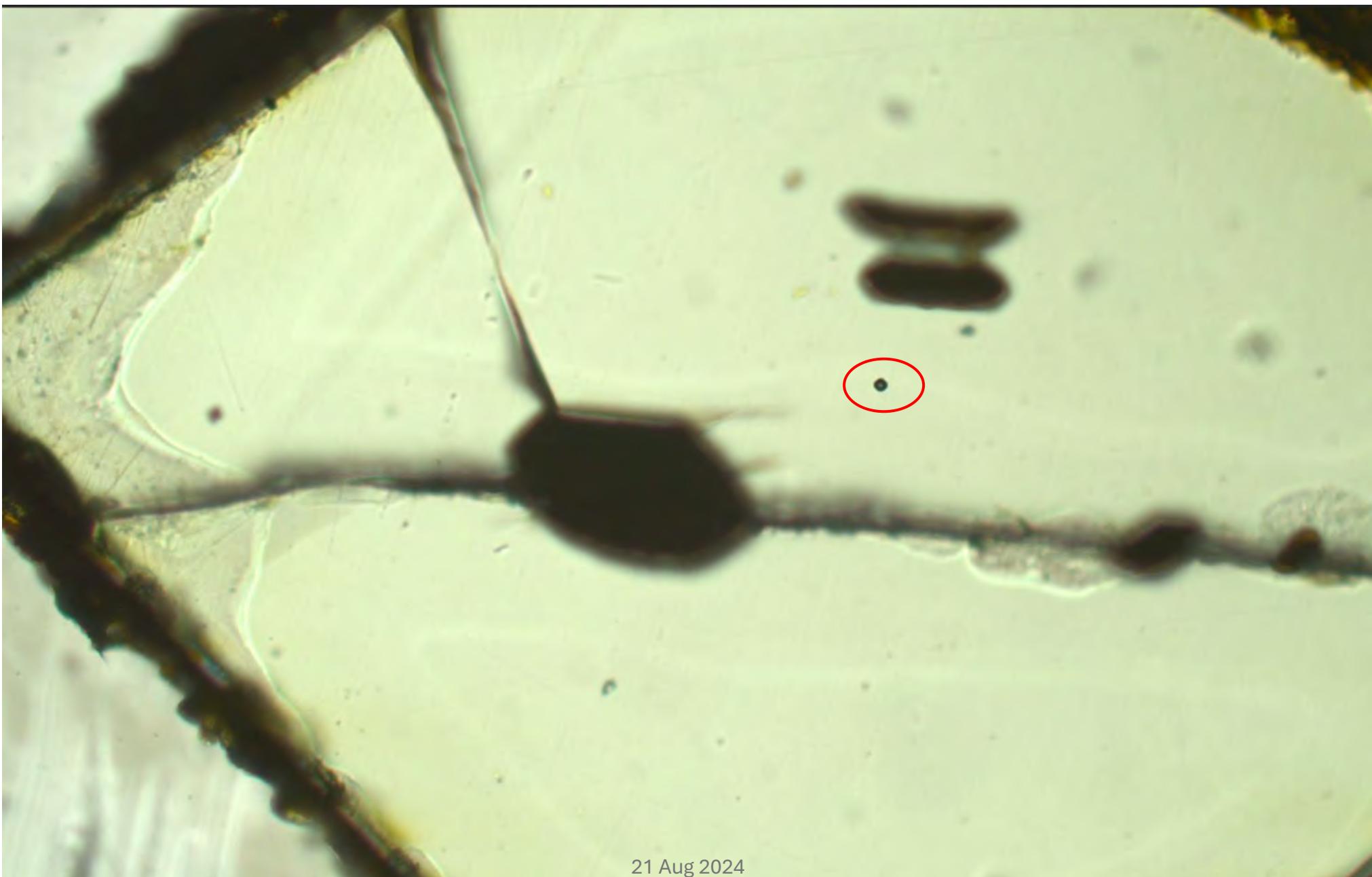


	Filename	Mag	Width (µm)	Height (µm)
6	19 M58_c74_a2_FIA.txt	50	220.201	137.626



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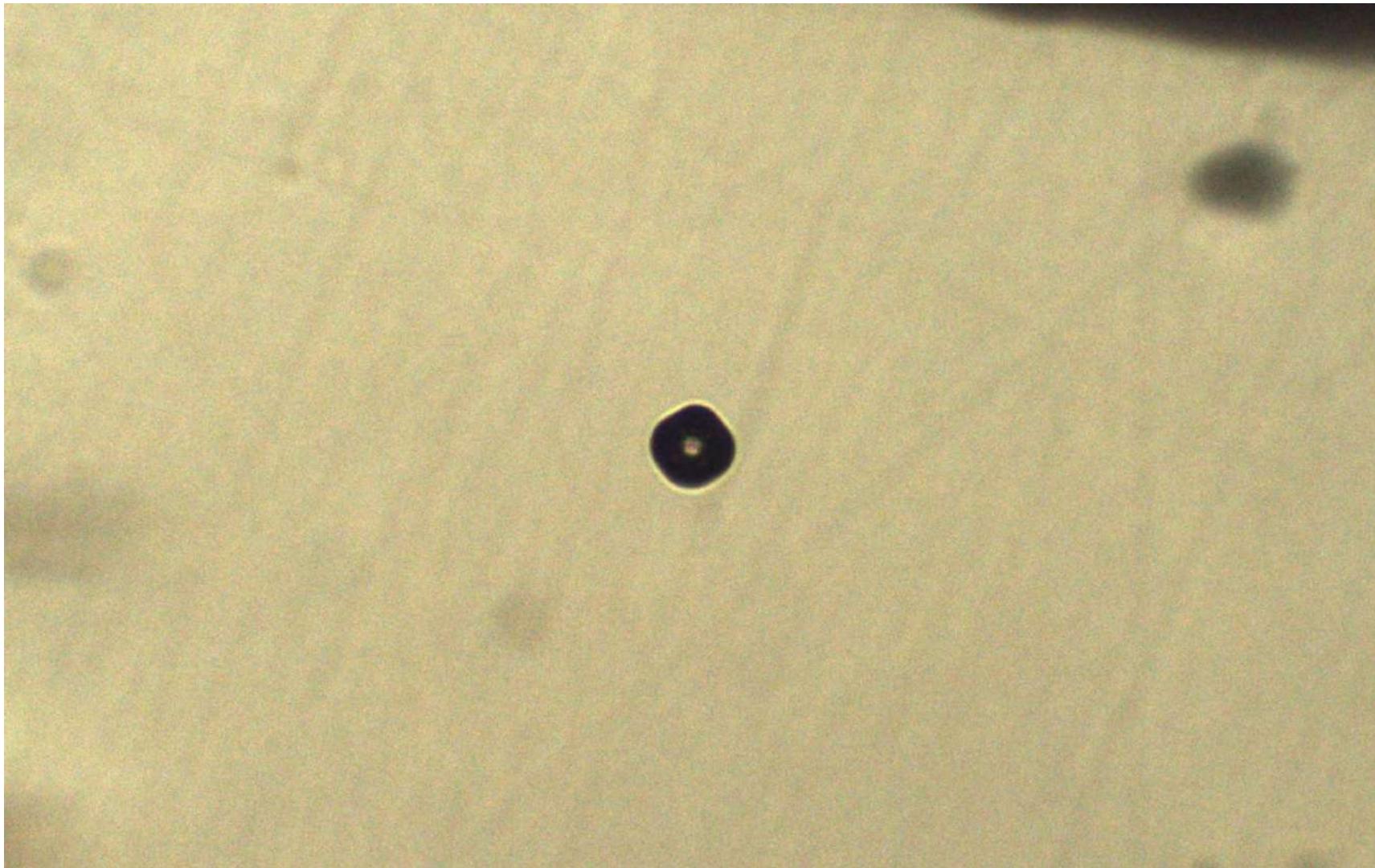
MLP\_c169\_a1\_FIA – nice diad, some SO2



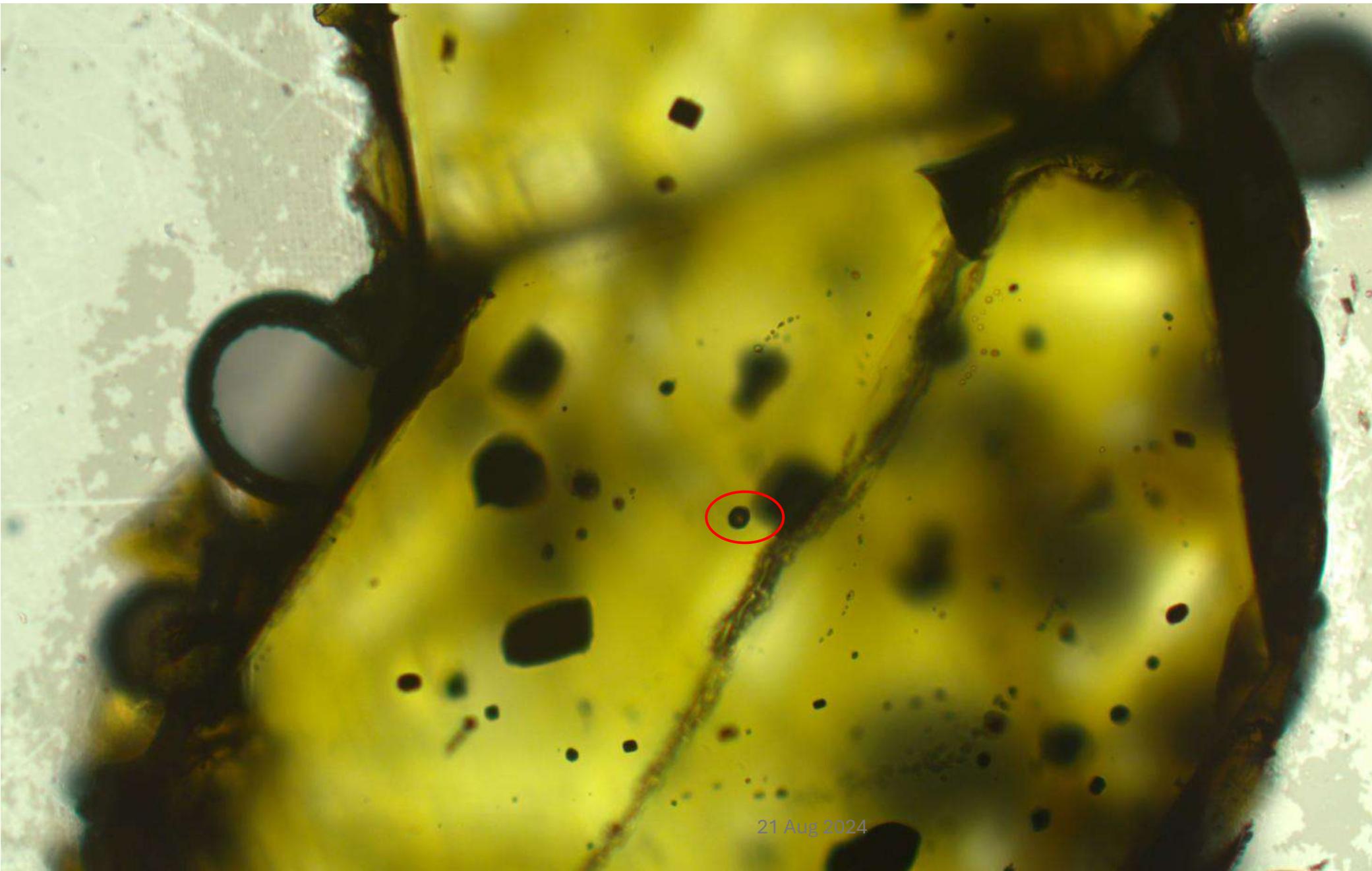
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# MLP\_c169\_a1\_FIA -

	Filename	Mag	Width (µm)	Height (µm)
7	22 MLP_c169_a1_FIA.txt	50	220.201	137.626



MLP\_c161\_a2\_FIB – weakish diad, no SO2

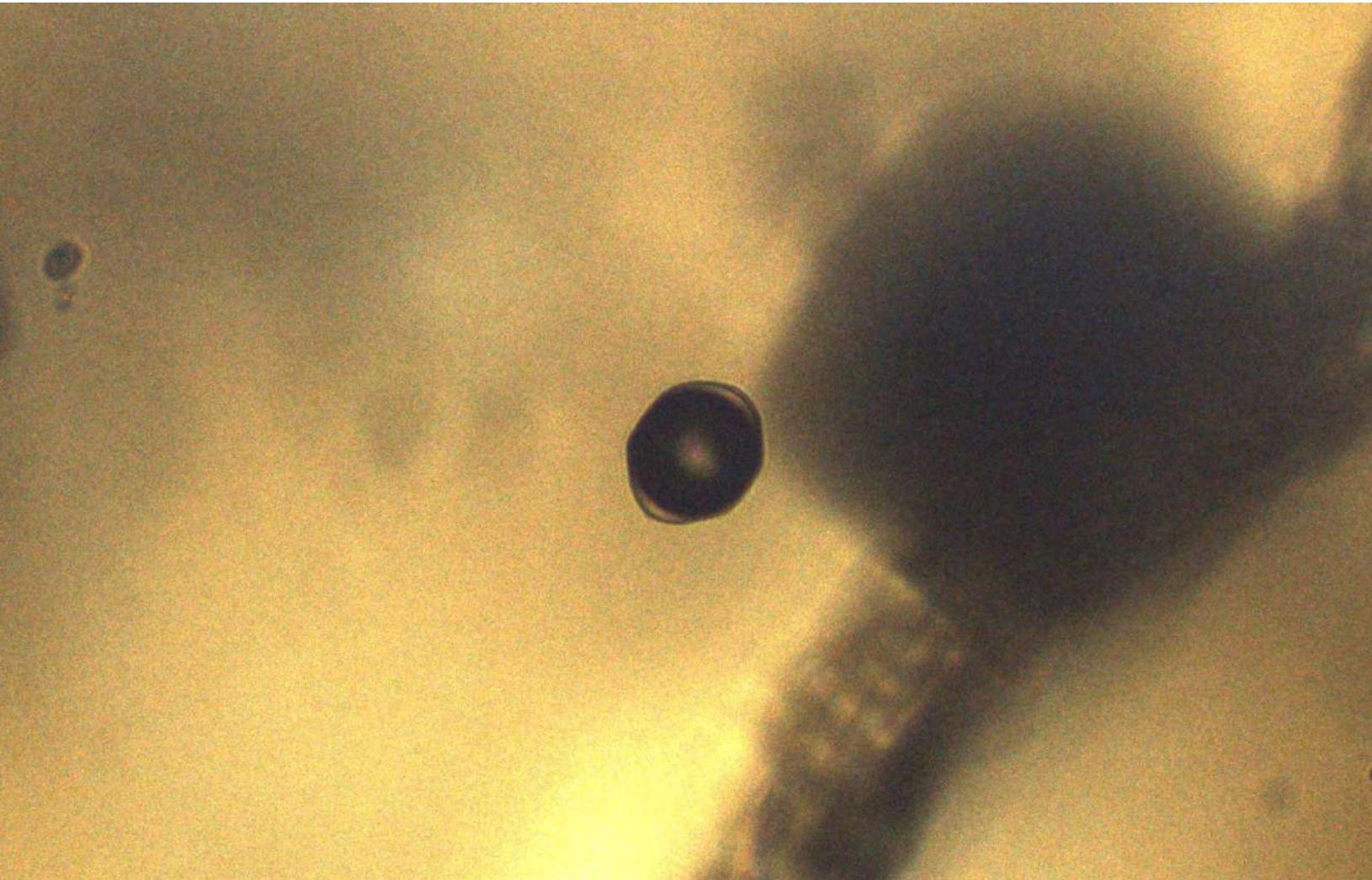


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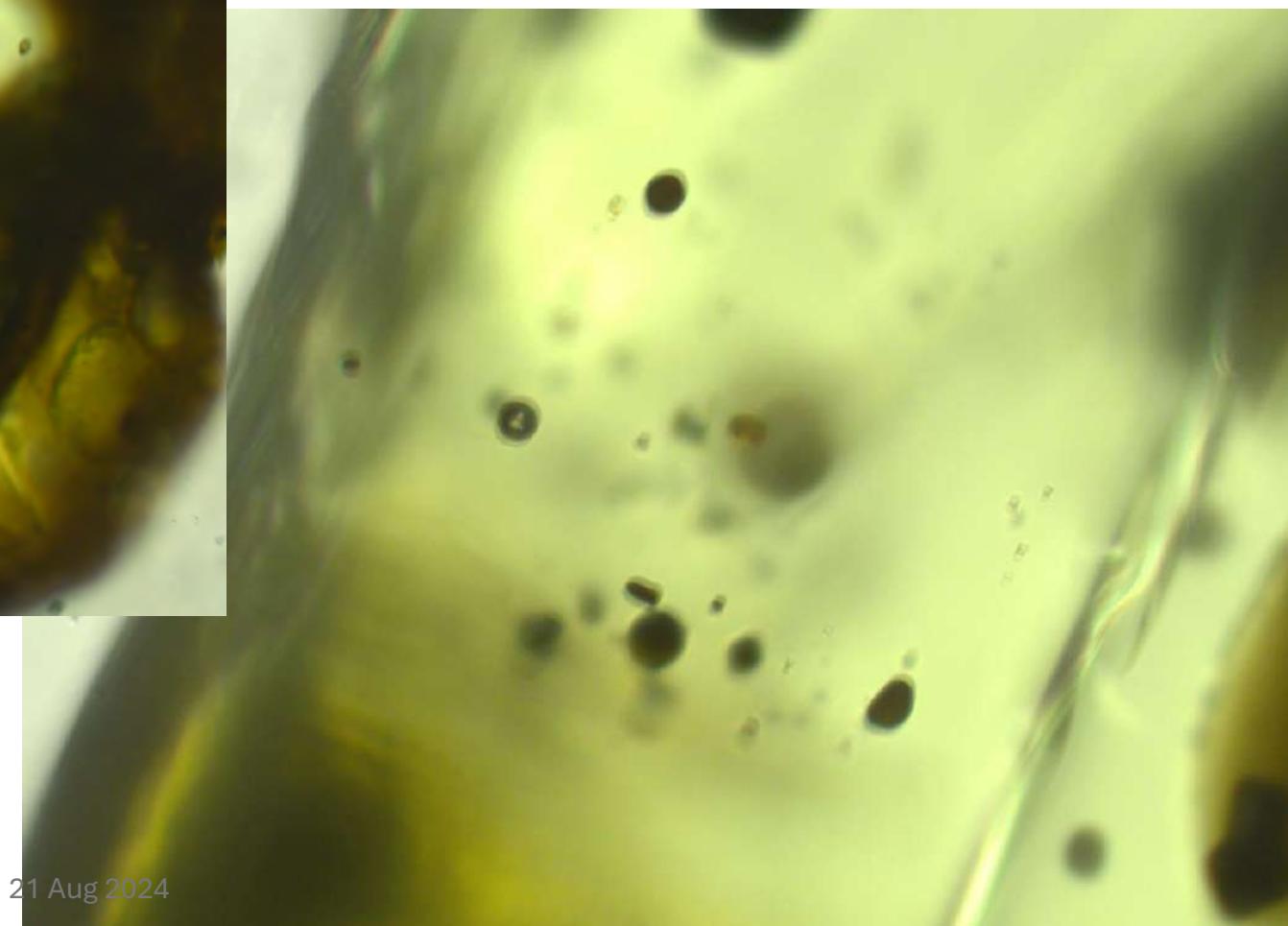
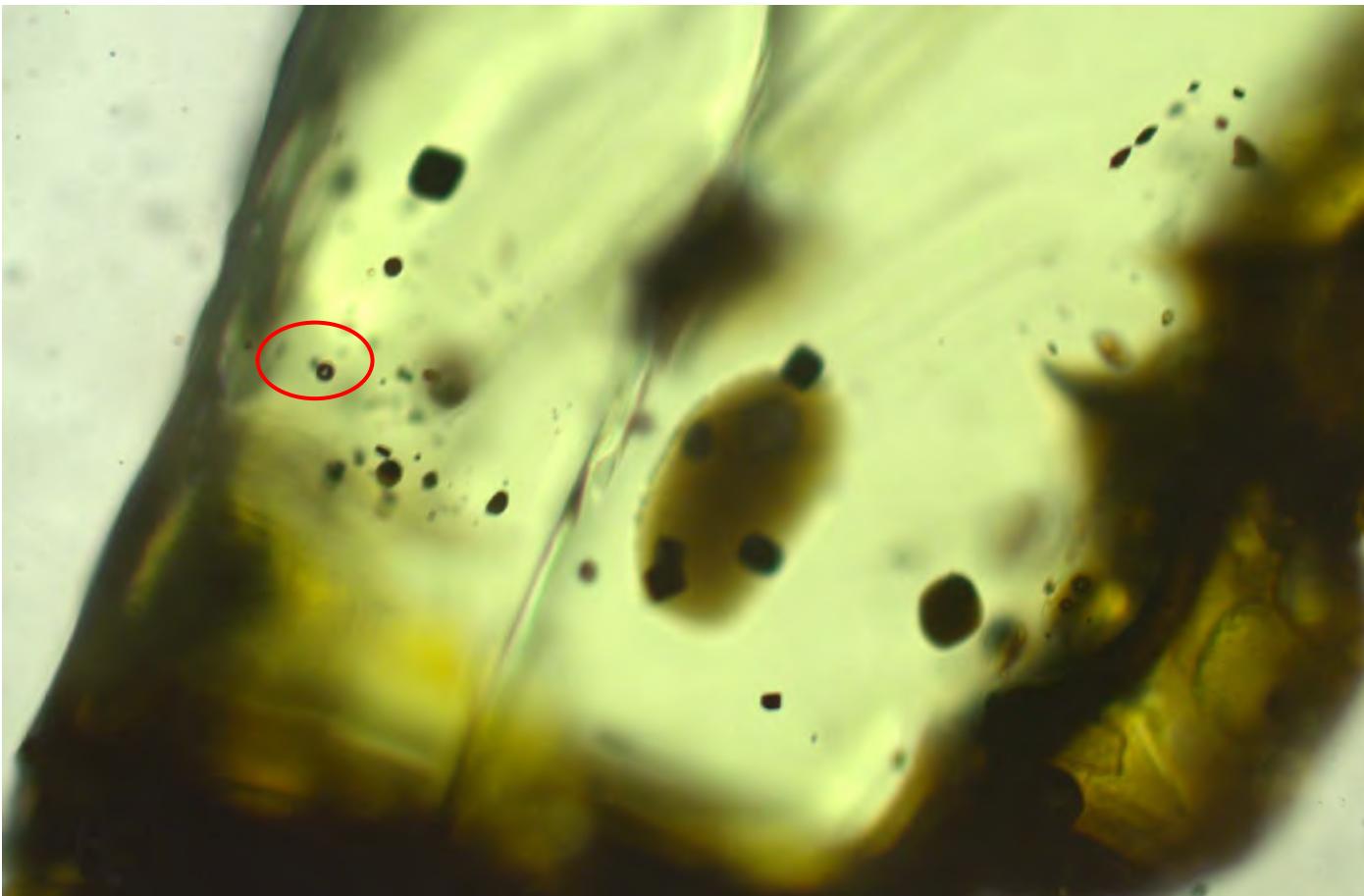
# MLP\_c161\_a2\_FIB

	Filename	Mag	Width (µm)	Height (µm)
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8	24 MLP_c161_a2_FIB.txt	50	220.201	137.626
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MLP\_c167\_a1\_FIA – upisedown so very deep

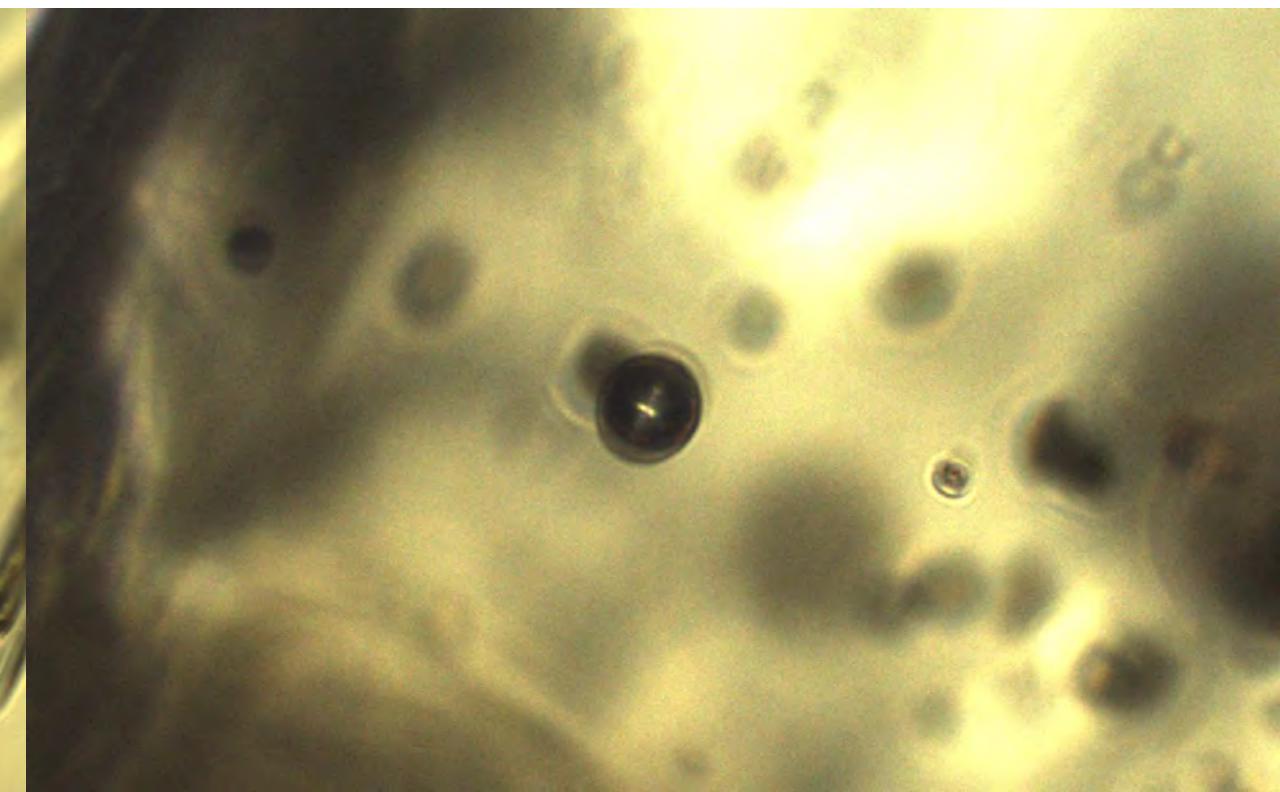
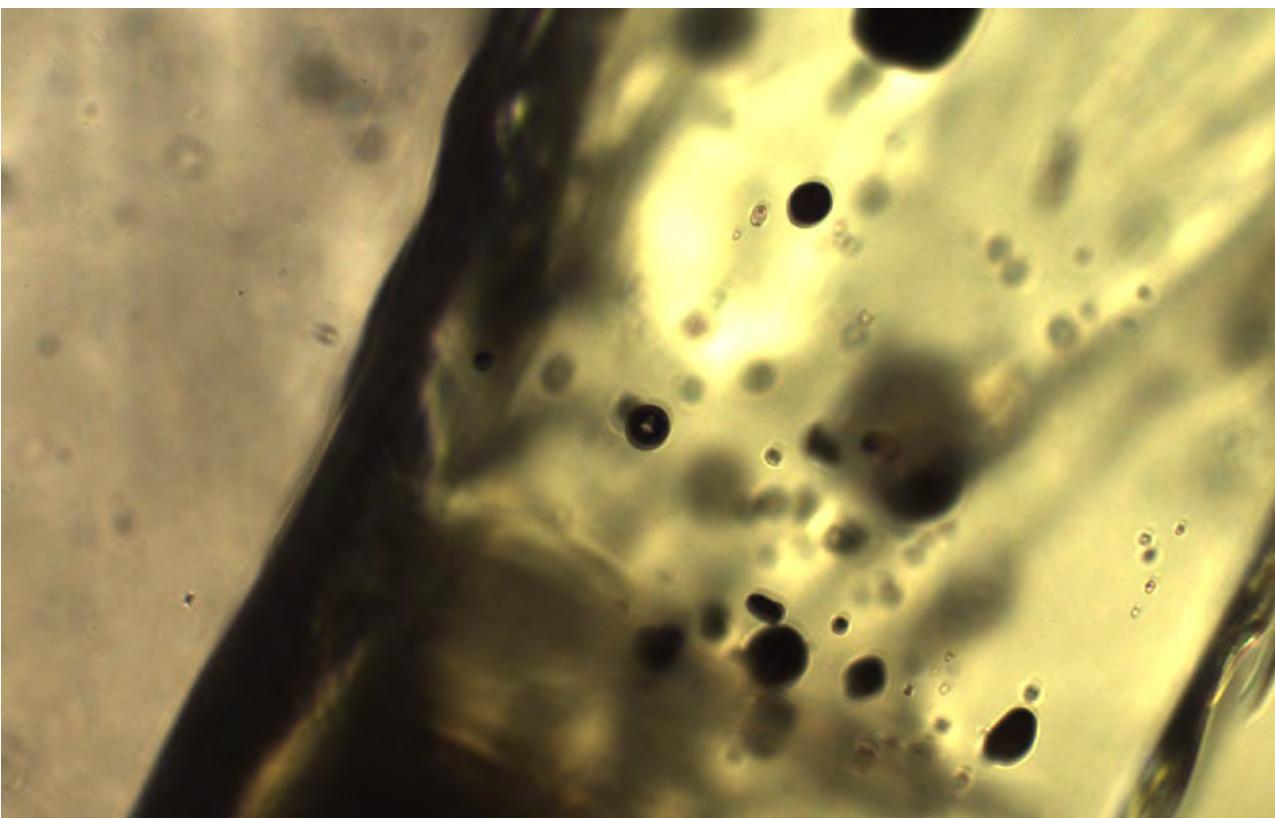


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# MLP\_c167\_a1\_FIA

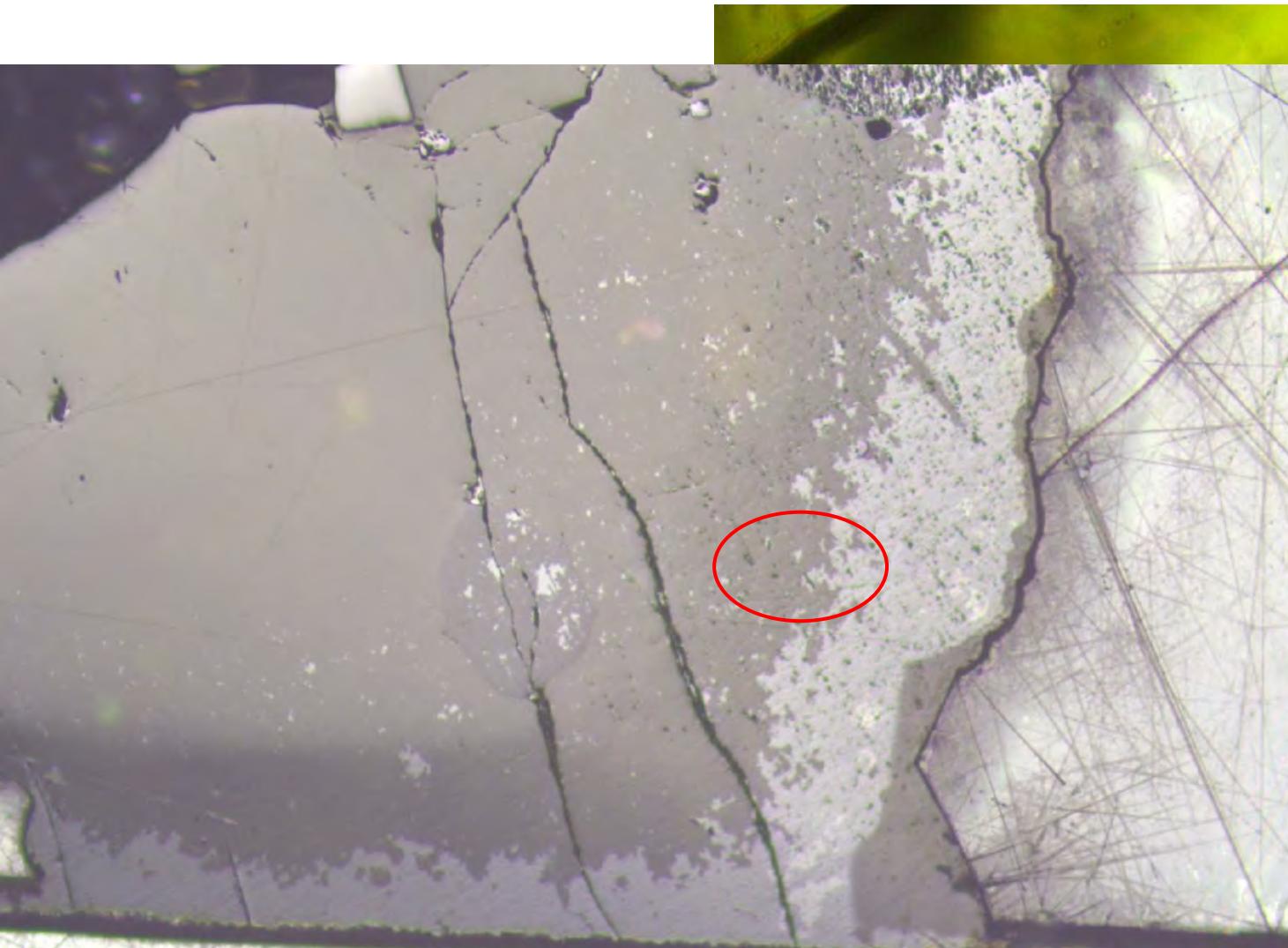
	Filename	Mag	Width (µm)	Height (µm)
9	26 MLP_c167_a1_FIA_20X.txt	20	544.079	340.050

	Filename	Mag	Width (µm)	Height (µm)
10	27 MLP_c167_a1_FIA_50X.txt	50	220.201	137.626



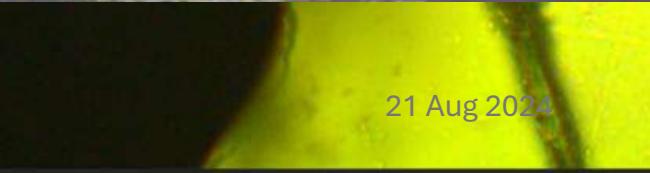
**MLX**

MLP\_c51\_a1\_FIA – nice diads, no SO2



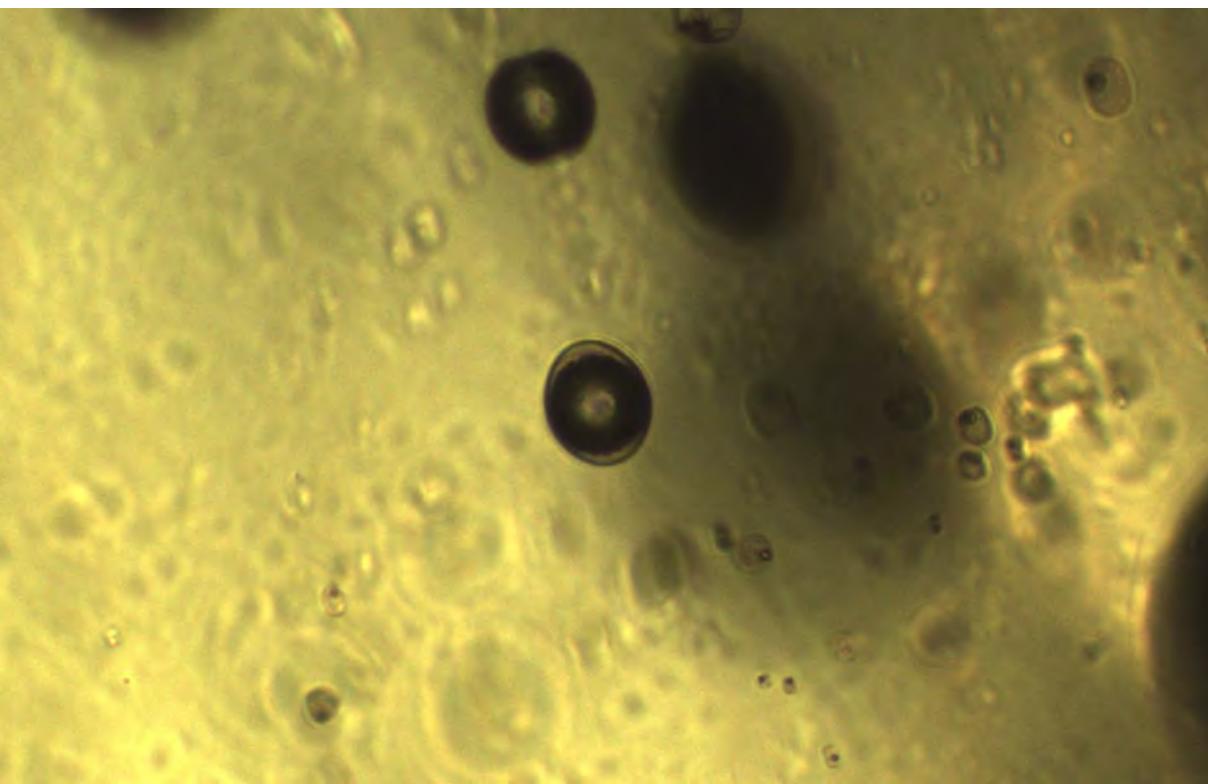
MLP\_c51\_a2\_FIB

MLP\_c51\_a1\_FIA

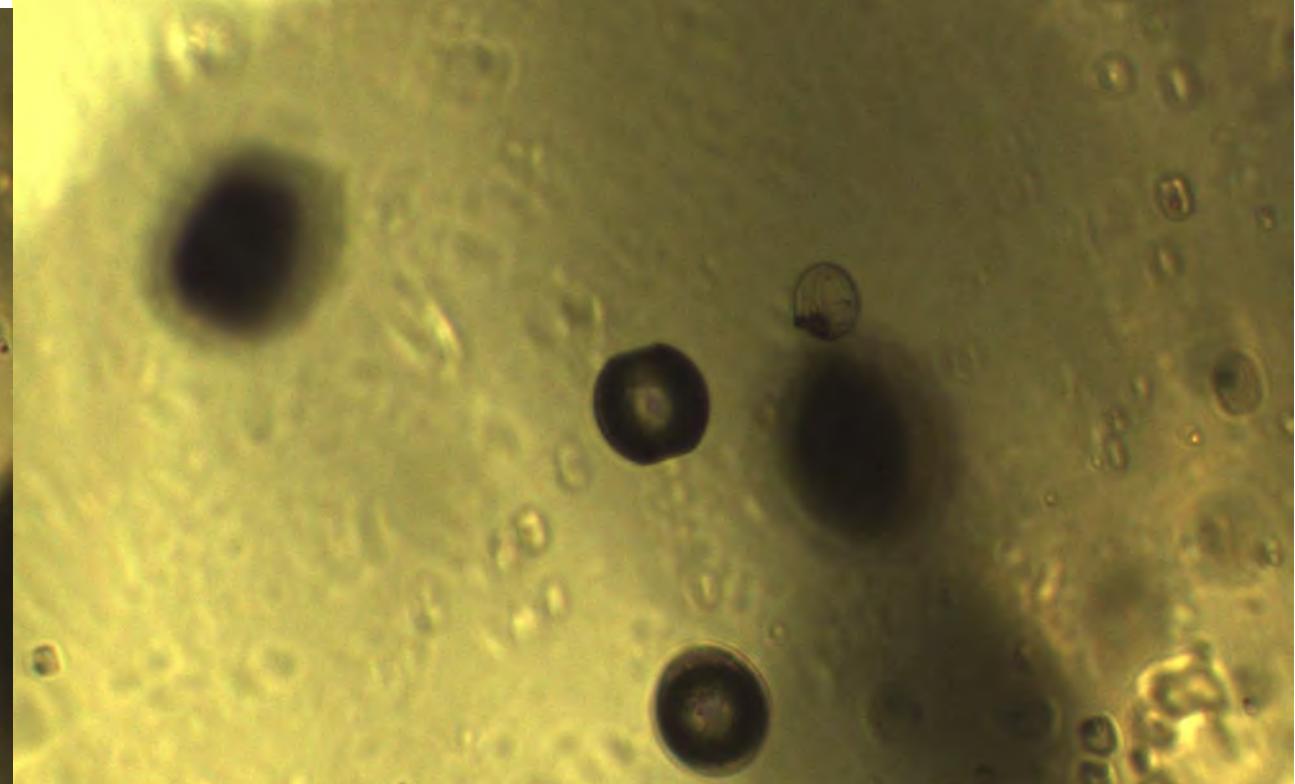


# MLP\_c51\_a1\_FIA

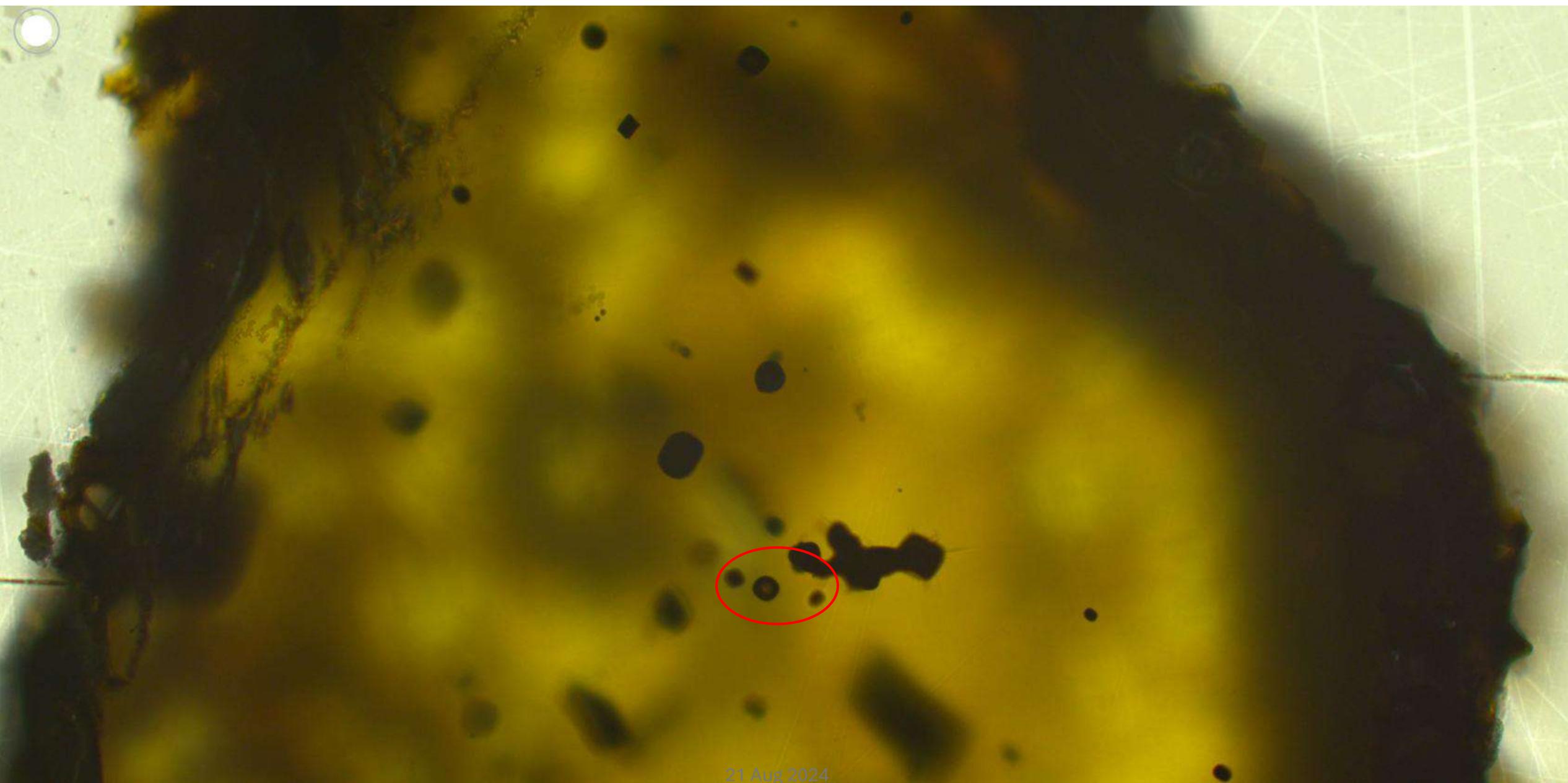
	Filename	Mag	Width (µm)	Height (µm)
11	29 MLP_c51_a1_FIA.txt	50	220.201	137.626



	Filename	Mag	Width (µm)	Height (µm)
12	31 MLP_c51_a2_FIB.txt	50	220.201	137.626



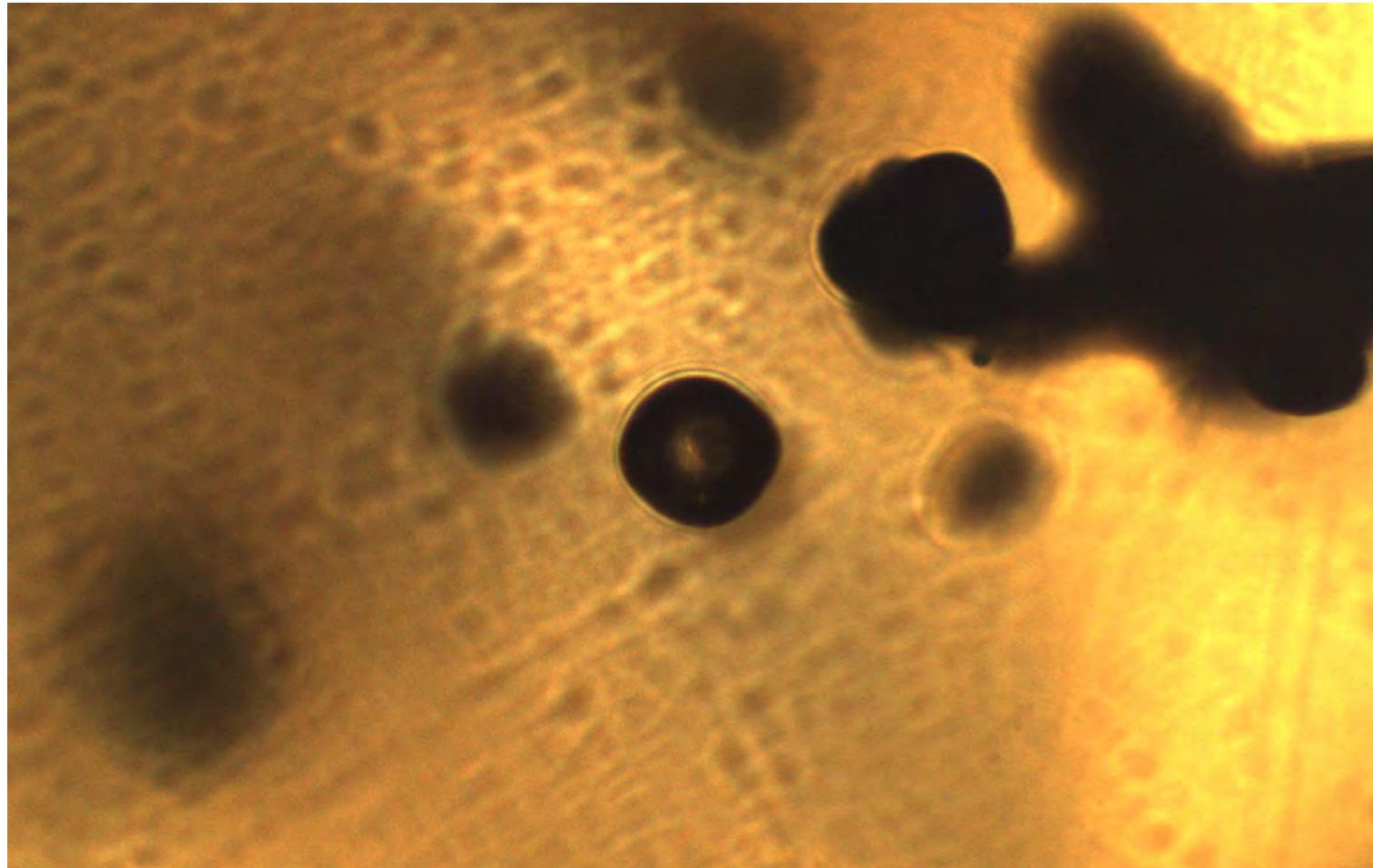
MLP\_c52\_a1\_FIA



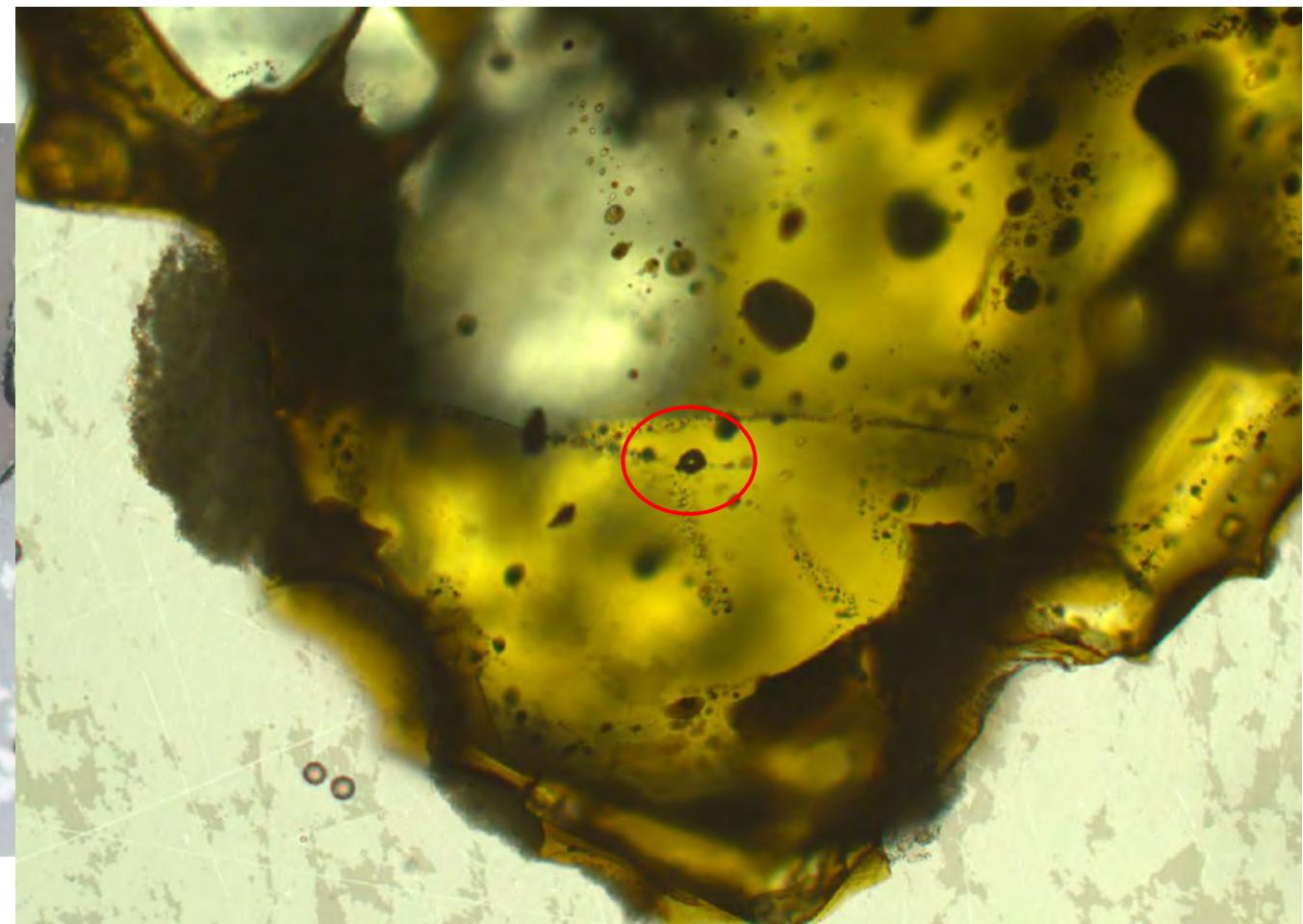
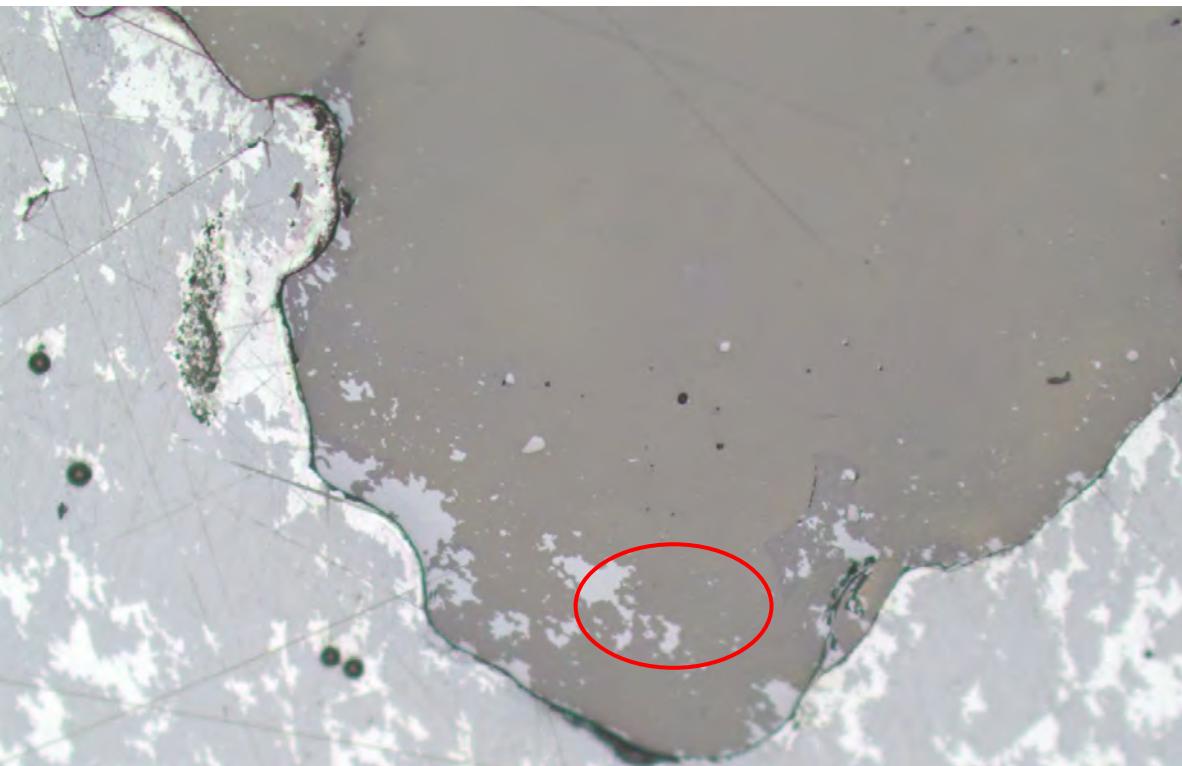
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# MLP\_c52\_a1\_FIA

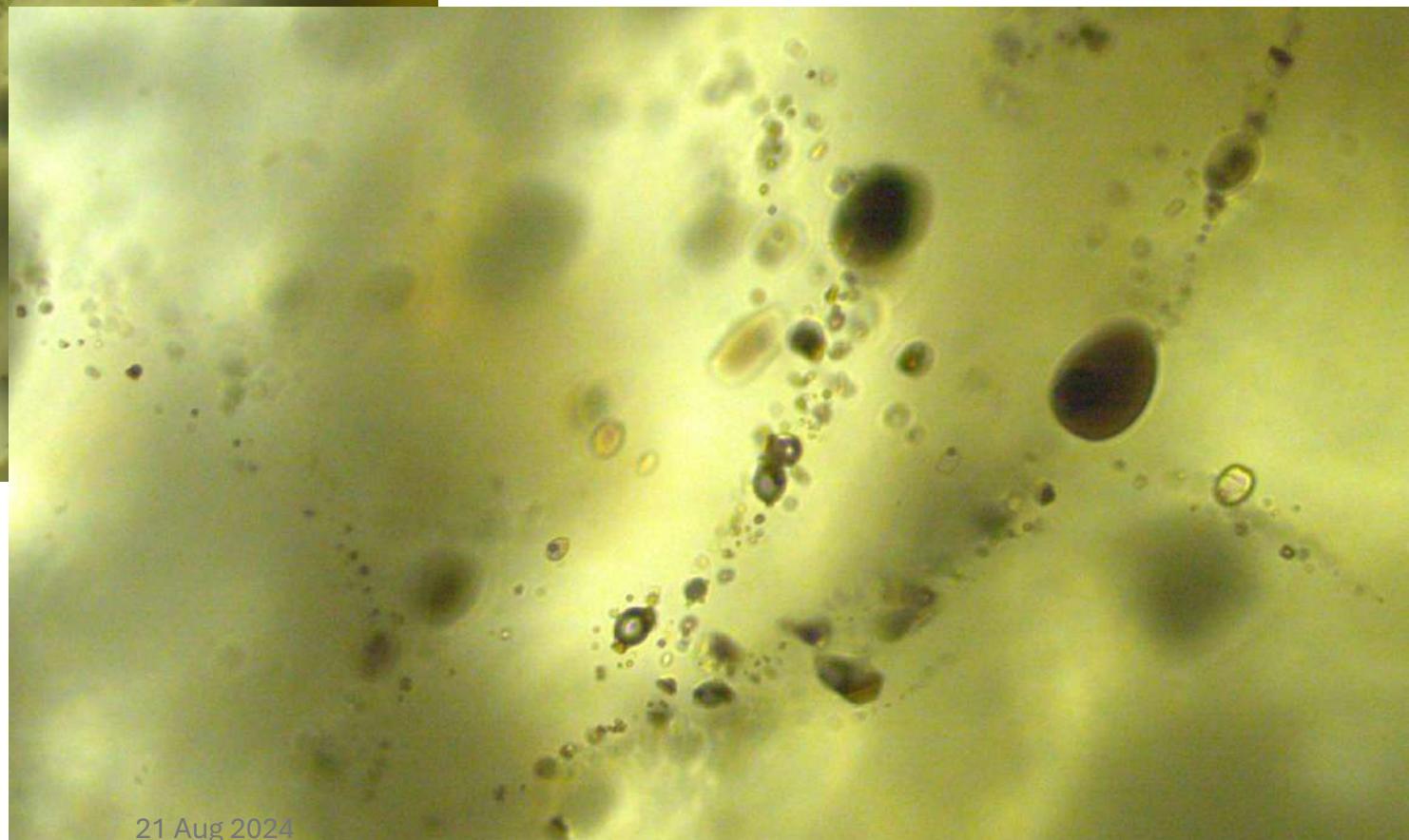
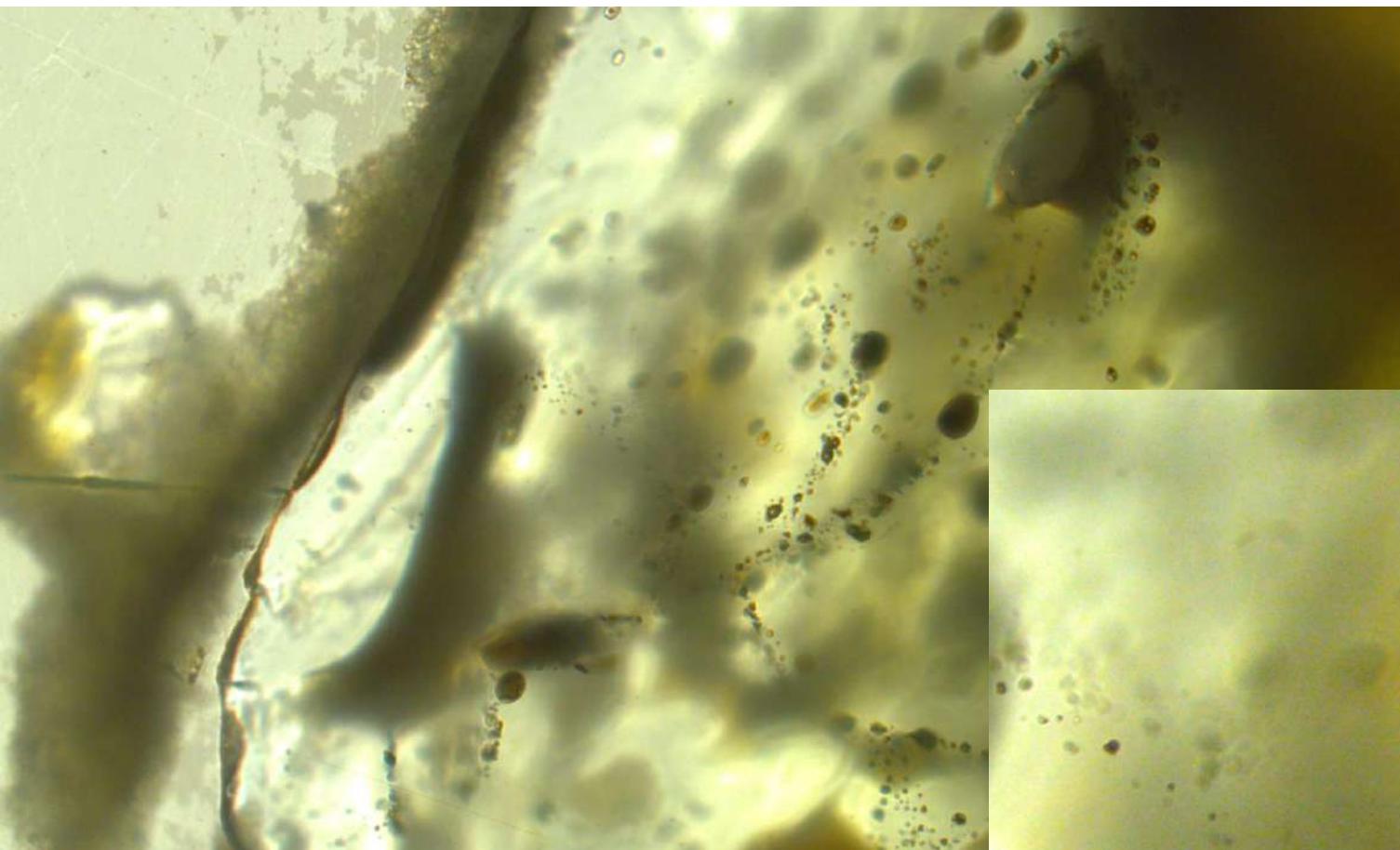
	Filename	Mag	Width (µm)	Height (µm)
13	34 MLP_c52_a1_FIA.txt	50	220.201	137.626



MLP\_c53\_a1\_FIA- big guy extremely weak, went for ones along trail next to it.

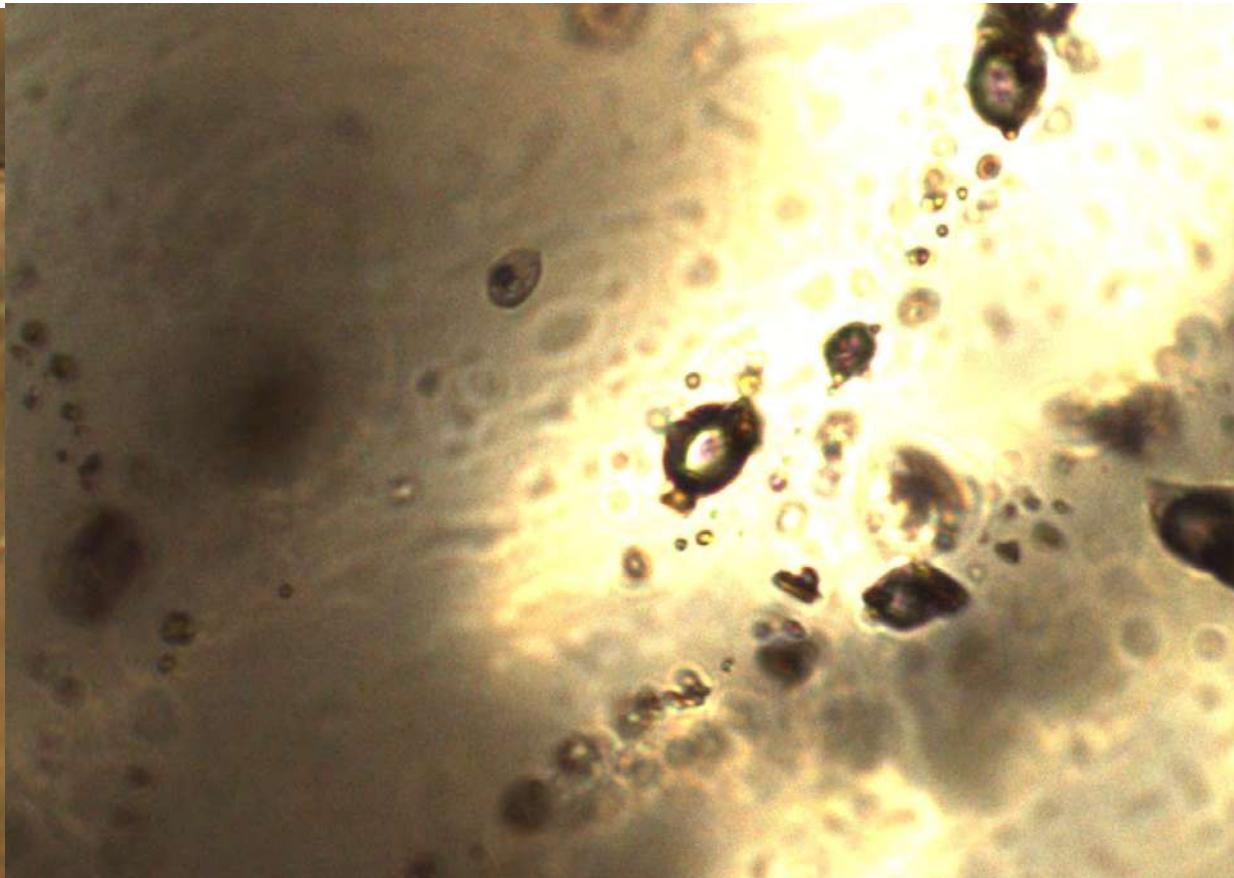
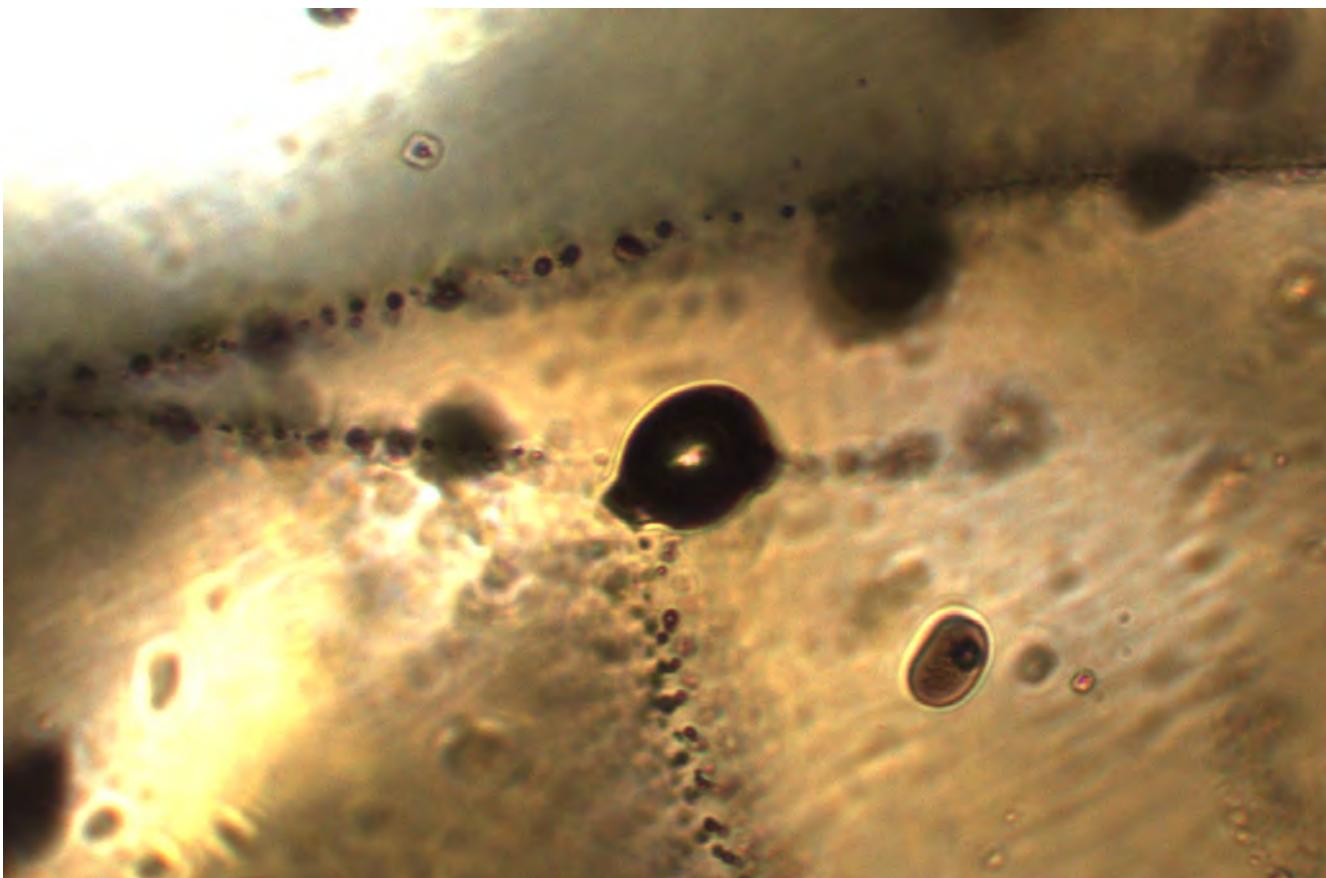


MLP\_c53\_a3\_FIC – all very weak.

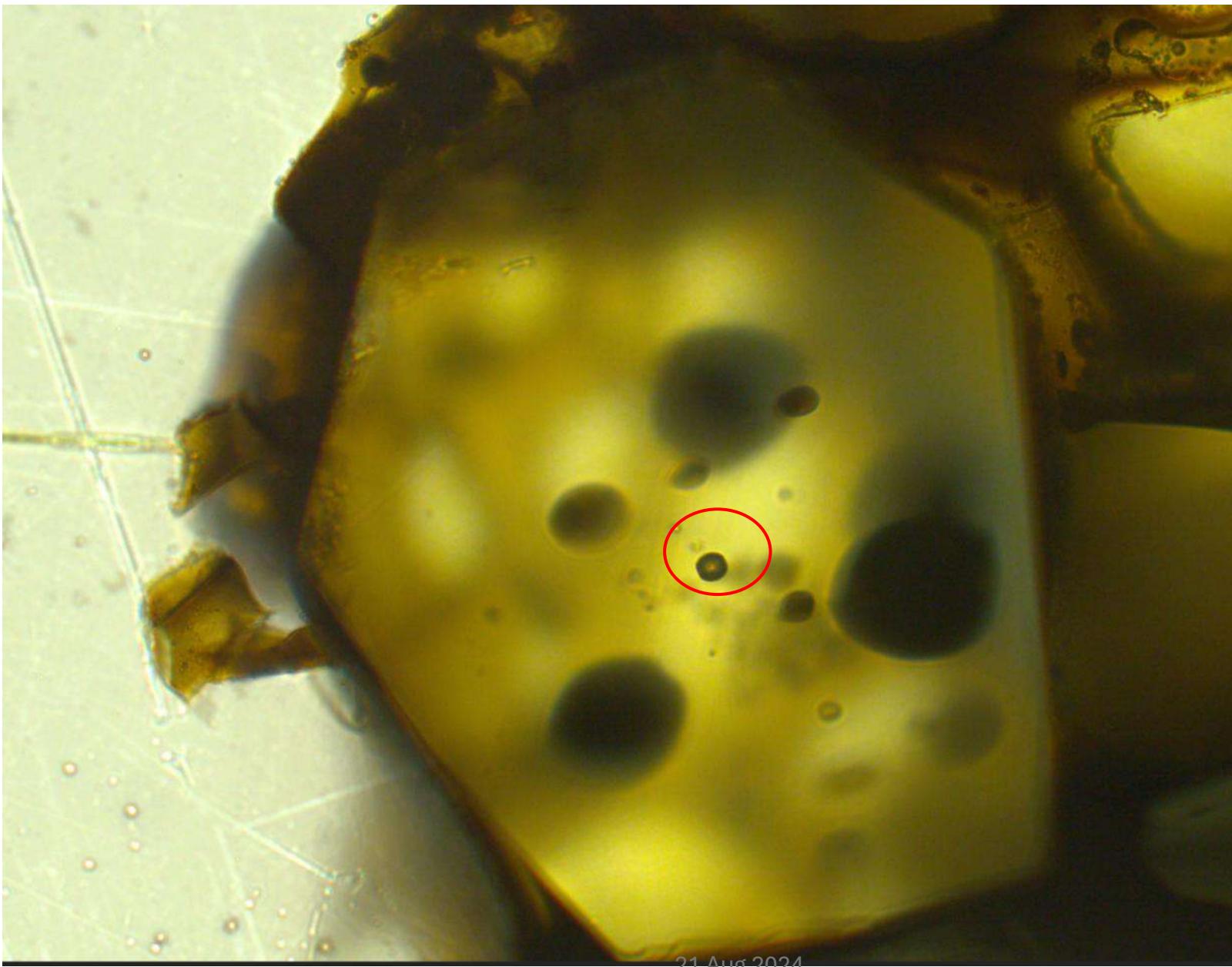


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	Filename	Mag	Width (µm)	Height (µm)		Filename	Mag	Width (µm)	Height (µm)	
14	36 MLP_c53_a1_FIA.txt	50	220.201	137.626		15	39 MLP_c53_a3_FIC.txt	100	109.855	68.659



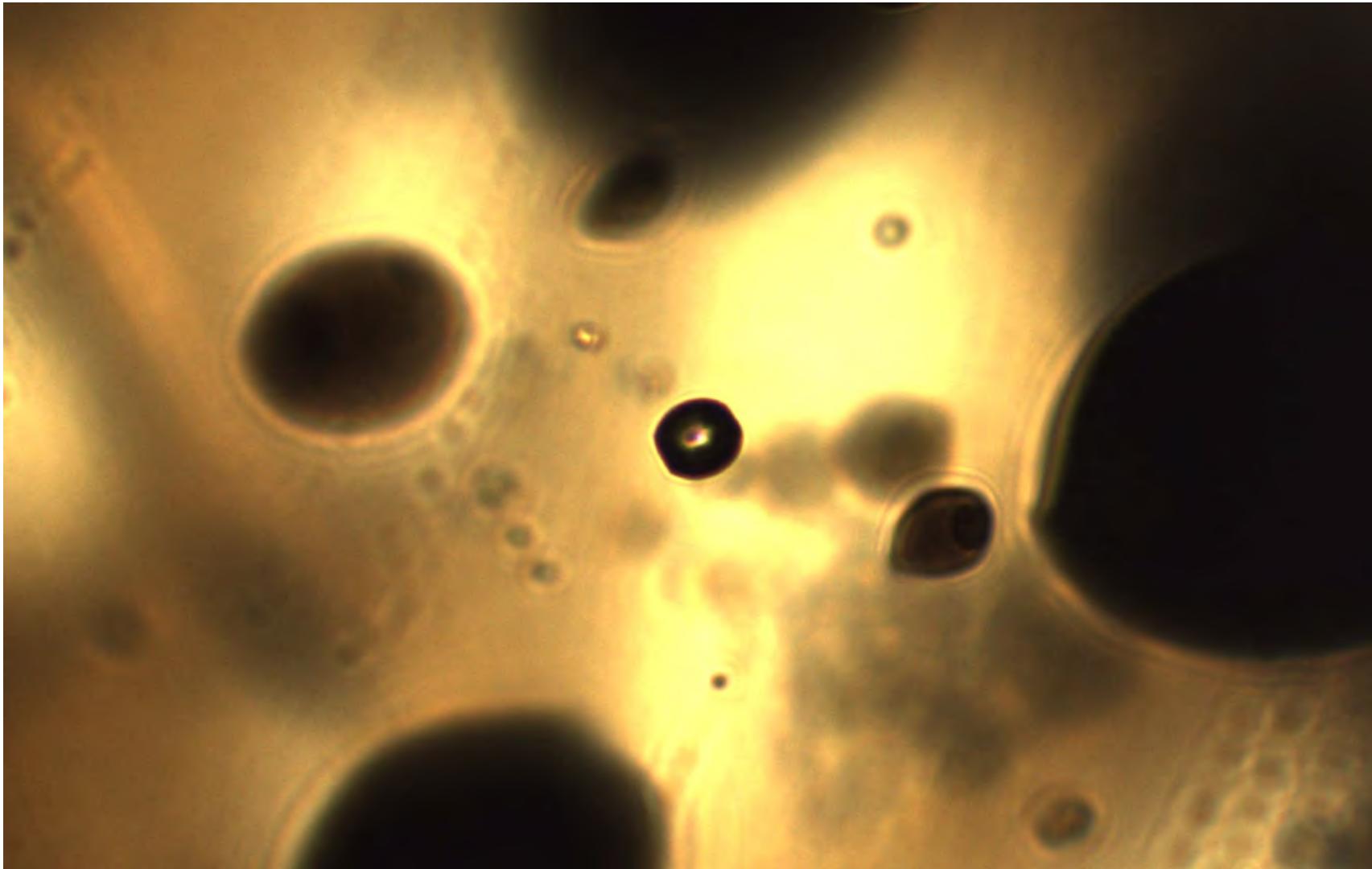
MLP\_c55\_a1\_FIA



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# MLP\_c55\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
16	40 MLP_c55_a1_FIA.txt	50	220.201	137.626

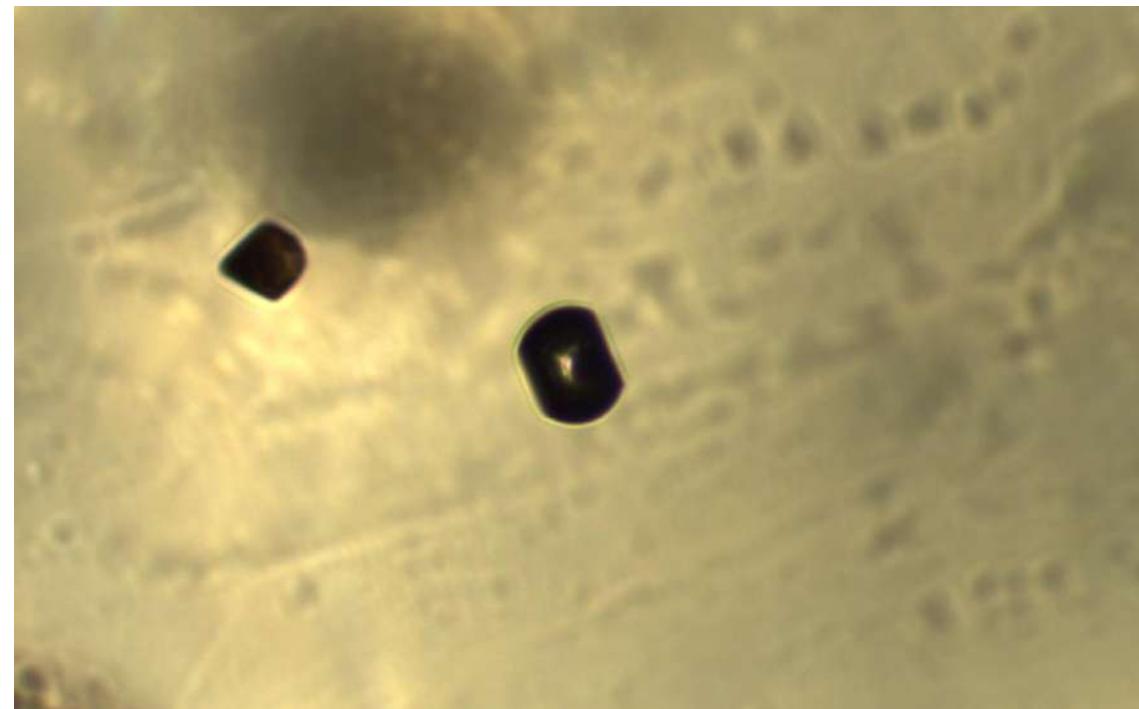
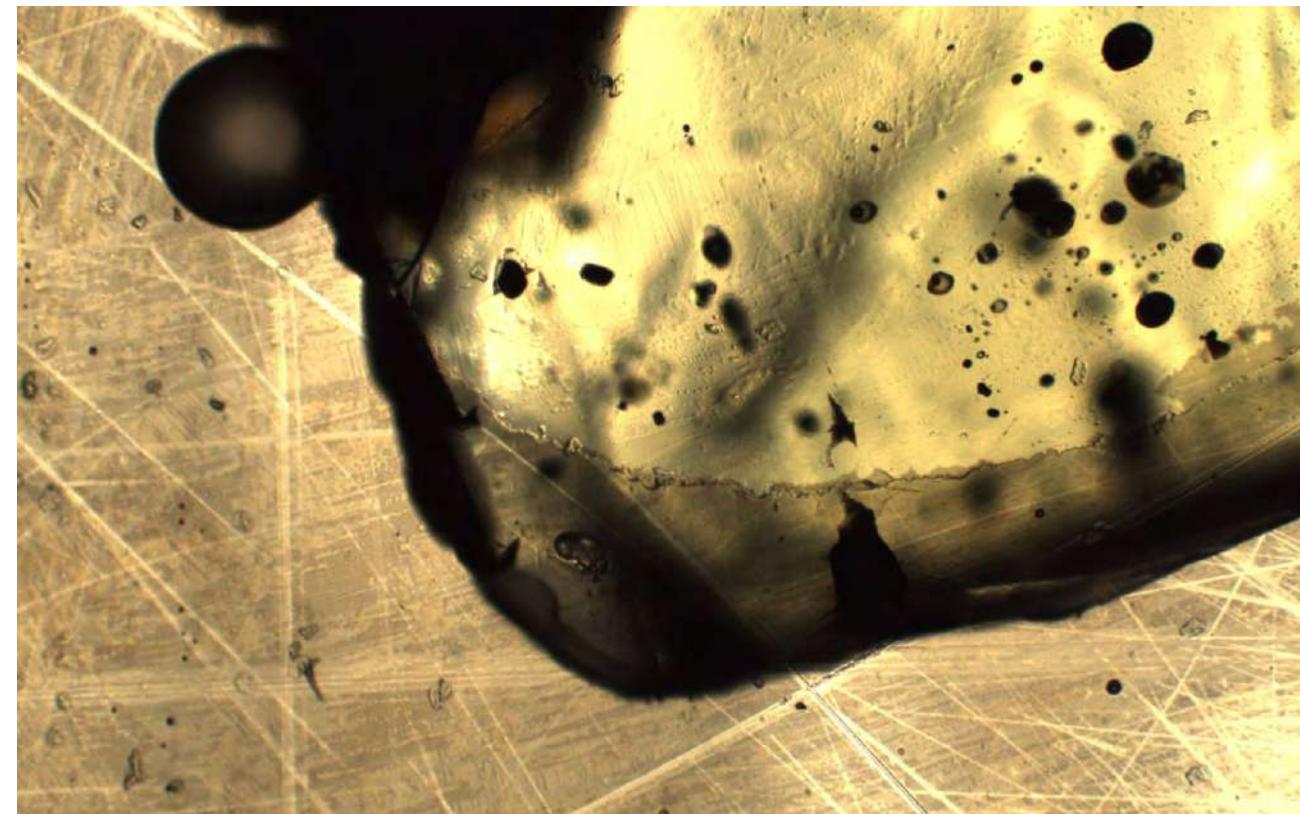


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# 79e\_c200\_a1\_FIA

	Filename	Mag	Width (µm)	Height (µm)
18	44 79e_c200_a1_FIA.txt	50	220.201	137.626

	Filename	Mag	Width (µm)	Height (µm)
17	42 79e_c200_a1_FIA_5X.txt	5	2161.750	1351.094



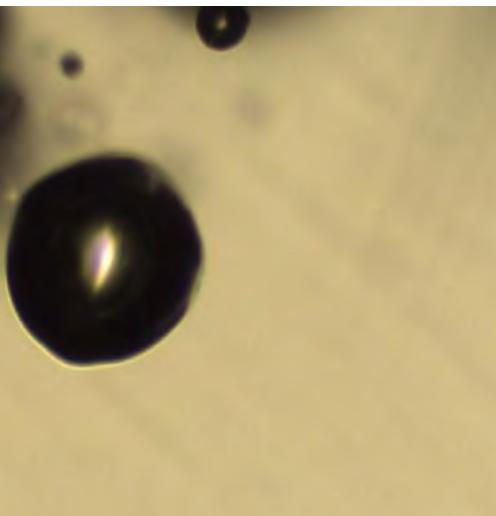
AMG98\_79e\_c205\_a1\_FIA, AMG98\_79e\_c205\_a1\_FIB, AMG98\_79e\_c205\_a1\_FIC

B – biggish SO2, A – has no diad.



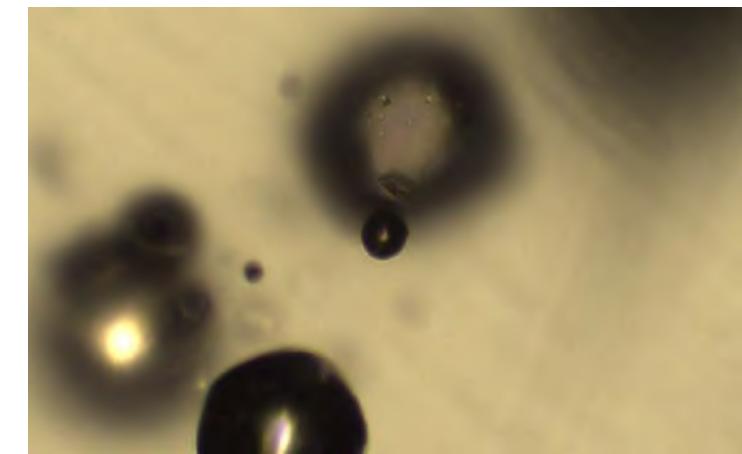
	Filename	Mag	Width (μm)	Height (μm)
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19	45 79e_c205_a1_FIB.txt	50	220.201	137.626
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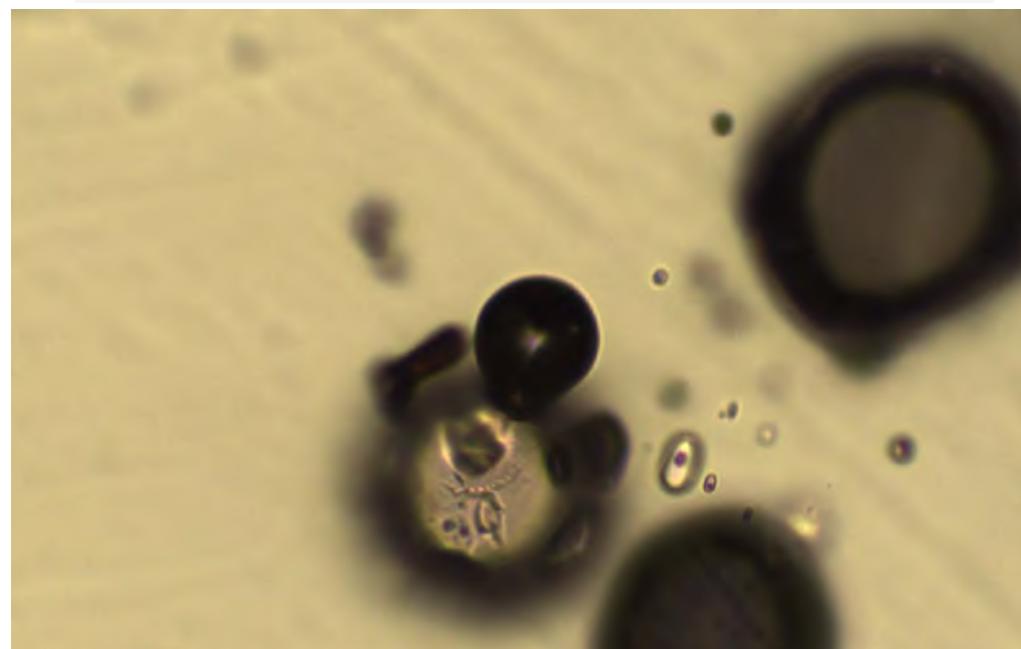
	Filename	Mag	Width (μm)	Height (μm)
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20	47 79e_c205_a1_FIC.txt	50	220.201	137.626
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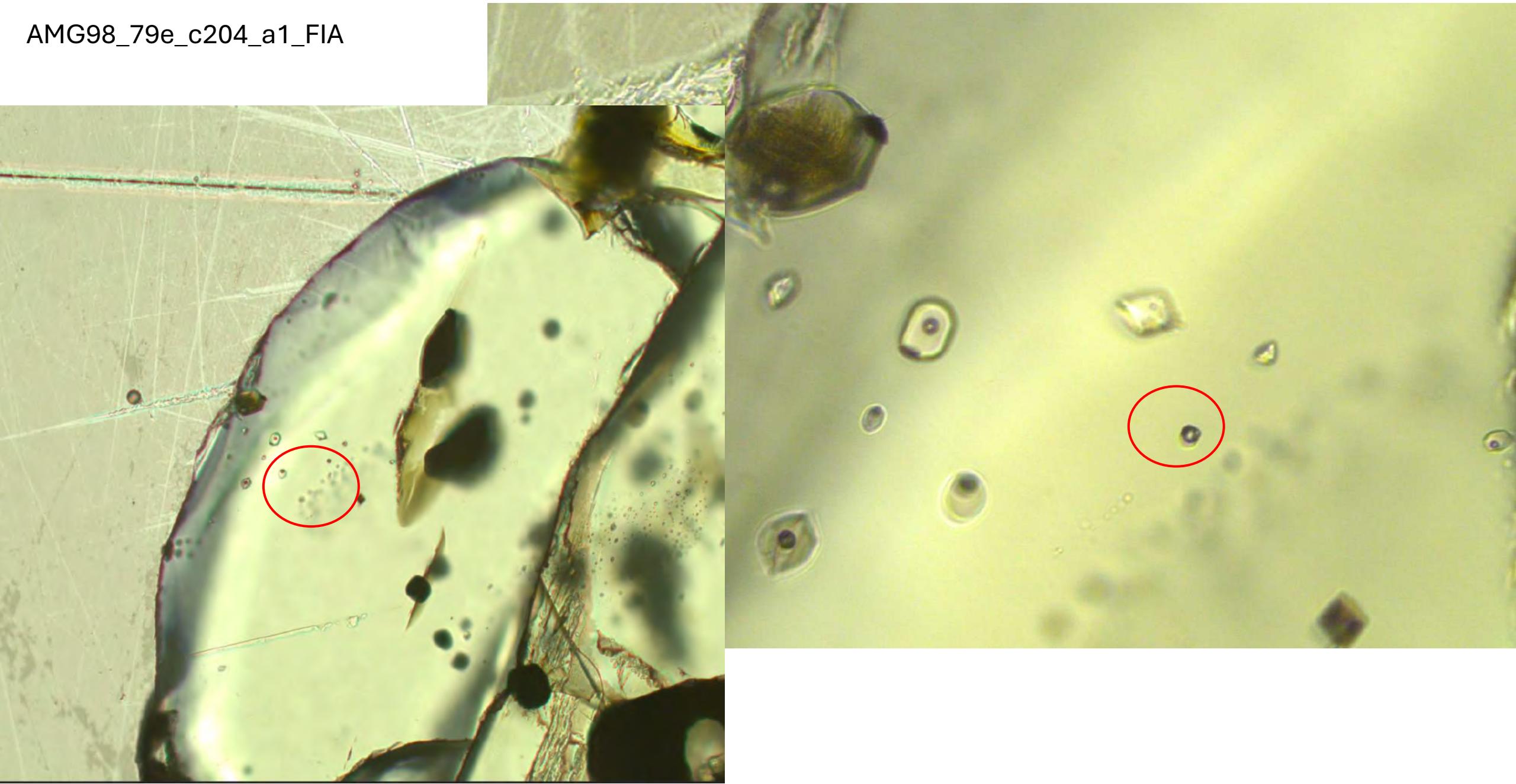


	Filename	Mag	Width (μm)	Height (μm)
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21	49 79e_c205_a1_FIA.txt	50	220.201	137.626
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AMG98\_79e\_c204\_a1\_FIA

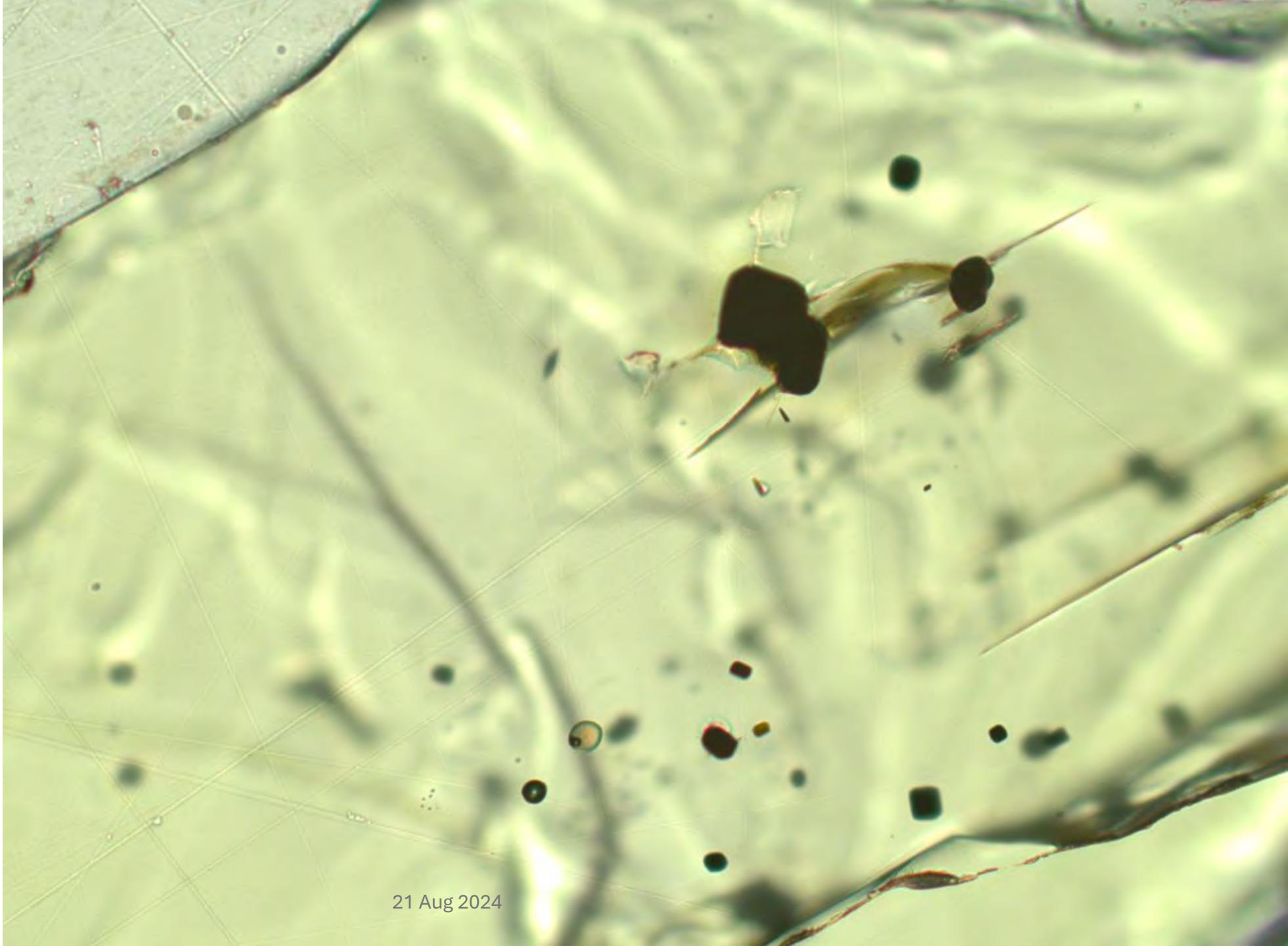


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	<b>Filename</b>	<b>Mag</b>	<b>Width (µm)</b>	<b>Height (µm)</b>
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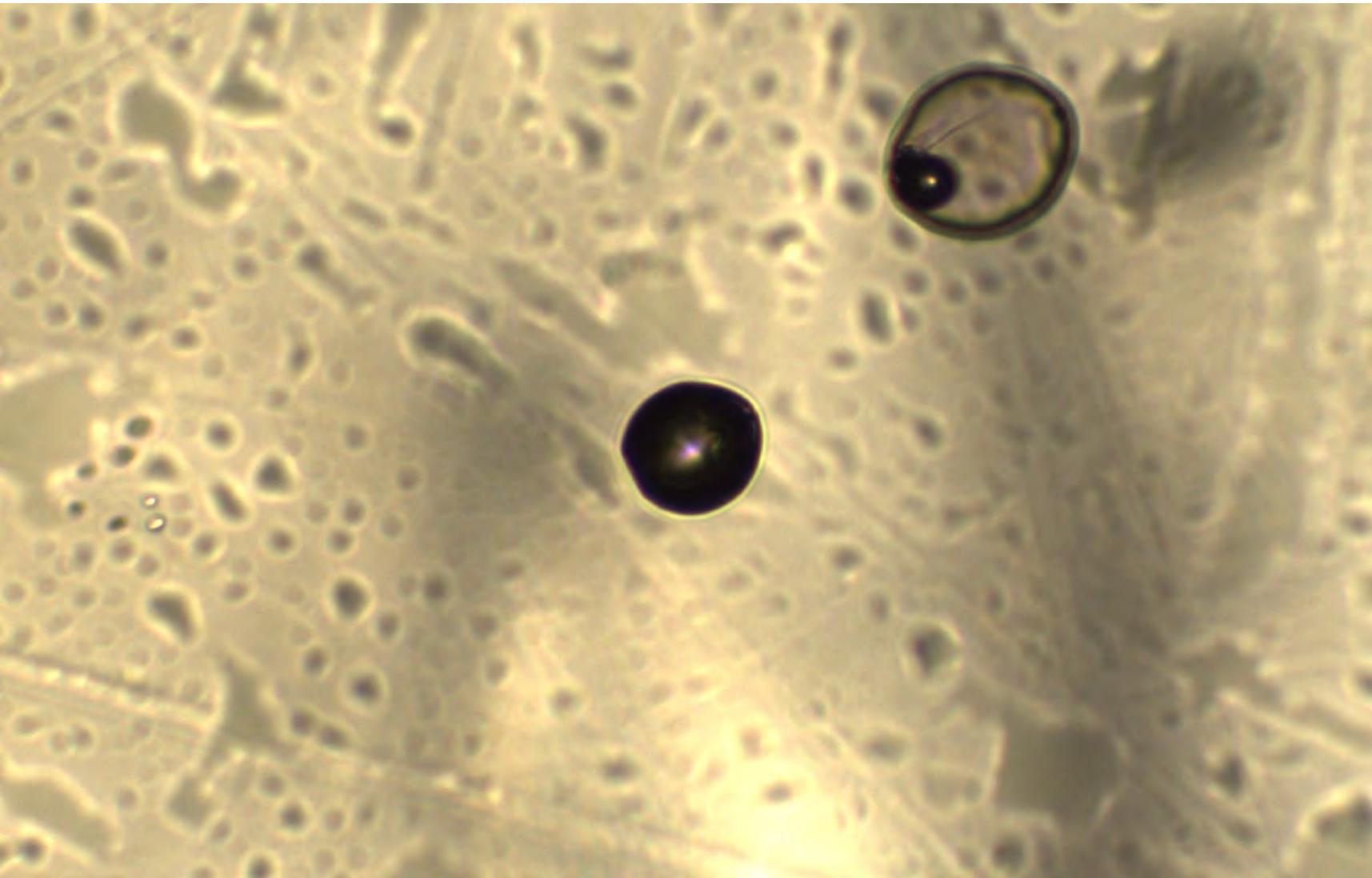
22	51 79e_c204_a1_FIA_100X.txt	100	109.855	68.659
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AMG98\_79e\_c202\_a1\_FIA

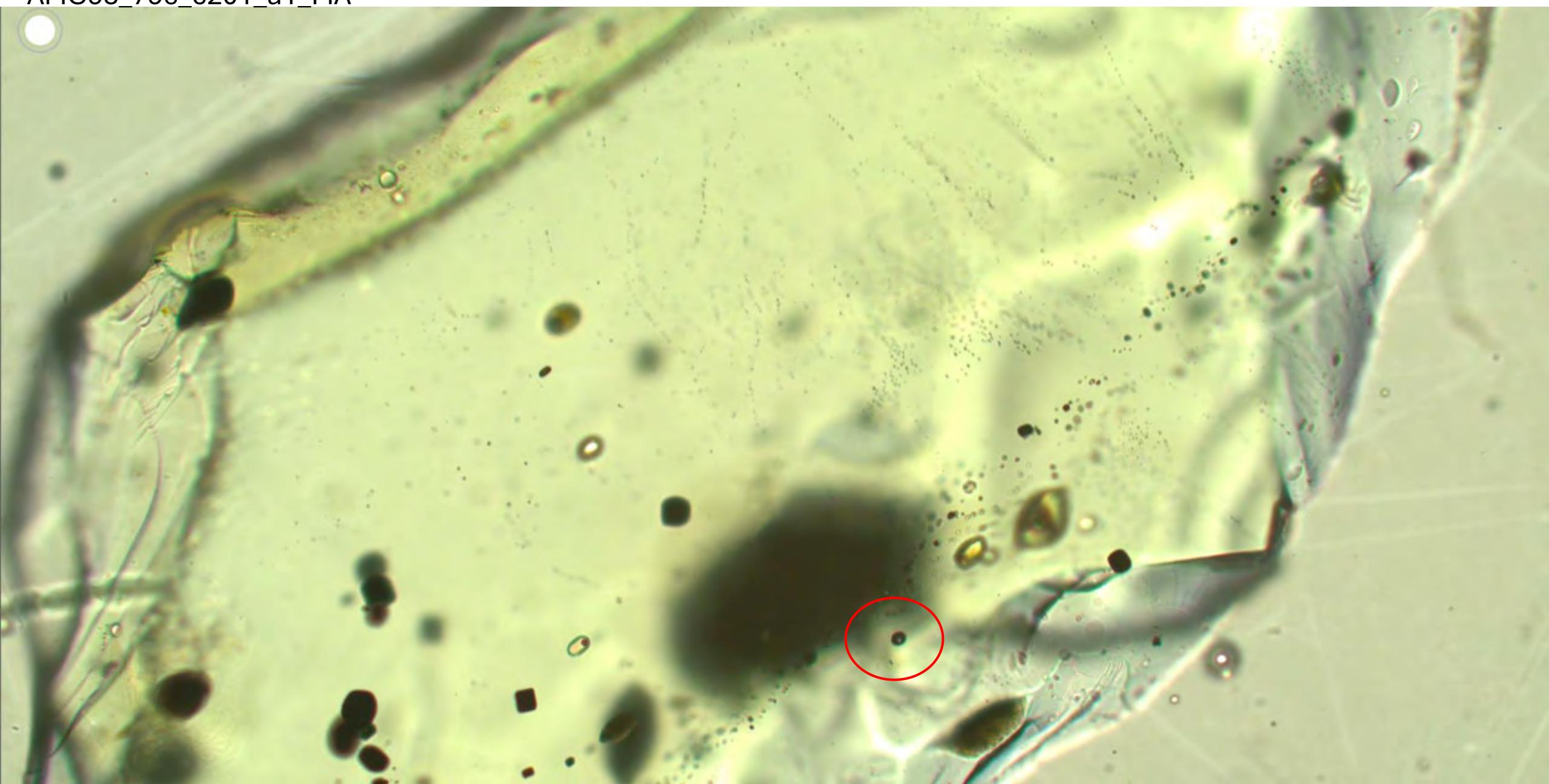


21 Aug 2024

	Filename	Mag	Width (μm)	Height (μm)
23	54 79e_c202_a1_FIA.txt	50	220.201	137.626



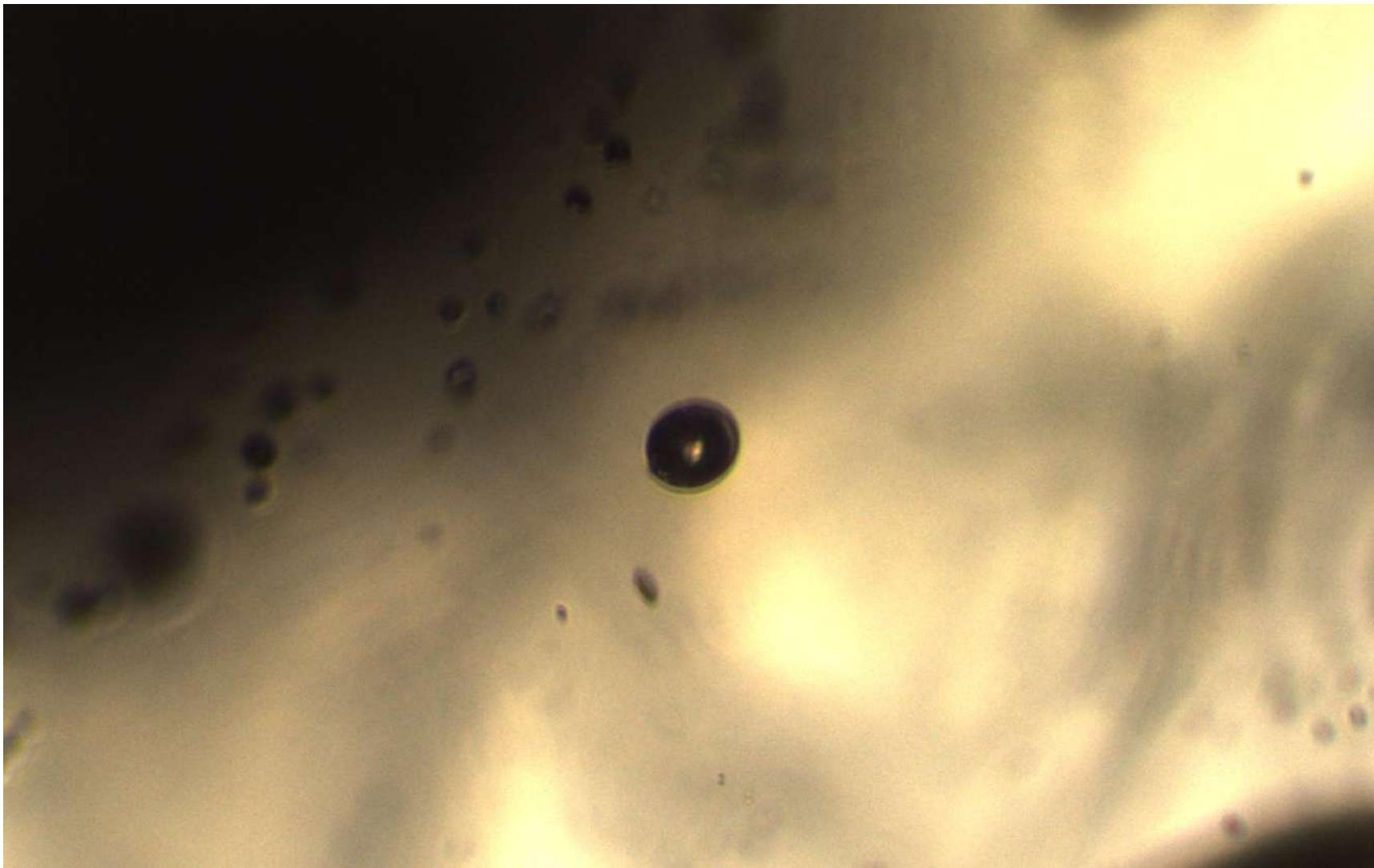
AMG98\_79e\_c201\_a1\_FIA



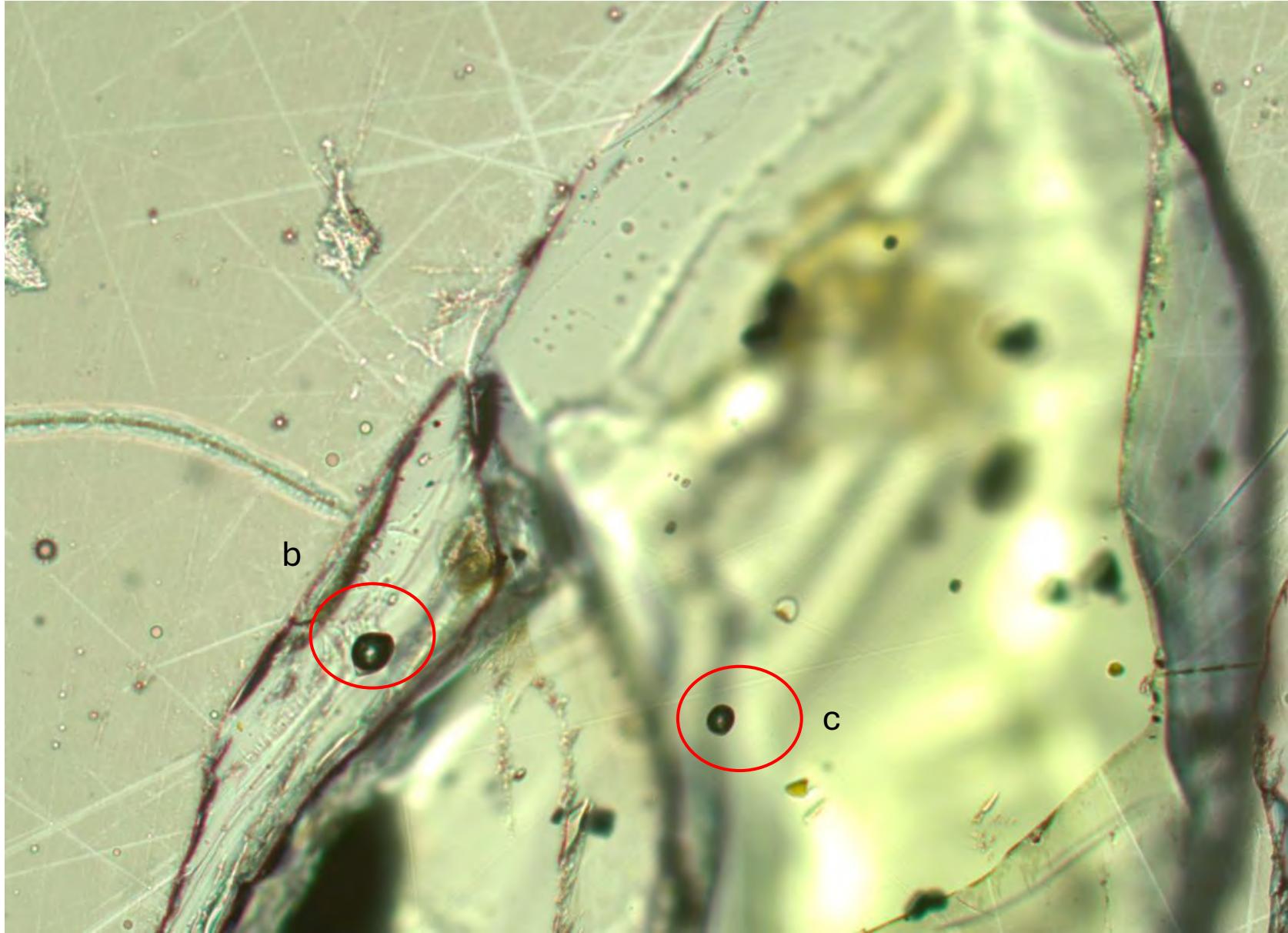
21 Aug 2024

	Filename	Mag	Width (μm)	Height (μm)
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24	56_79e_c201_a1_FIA.txt	50	220.201	137.626
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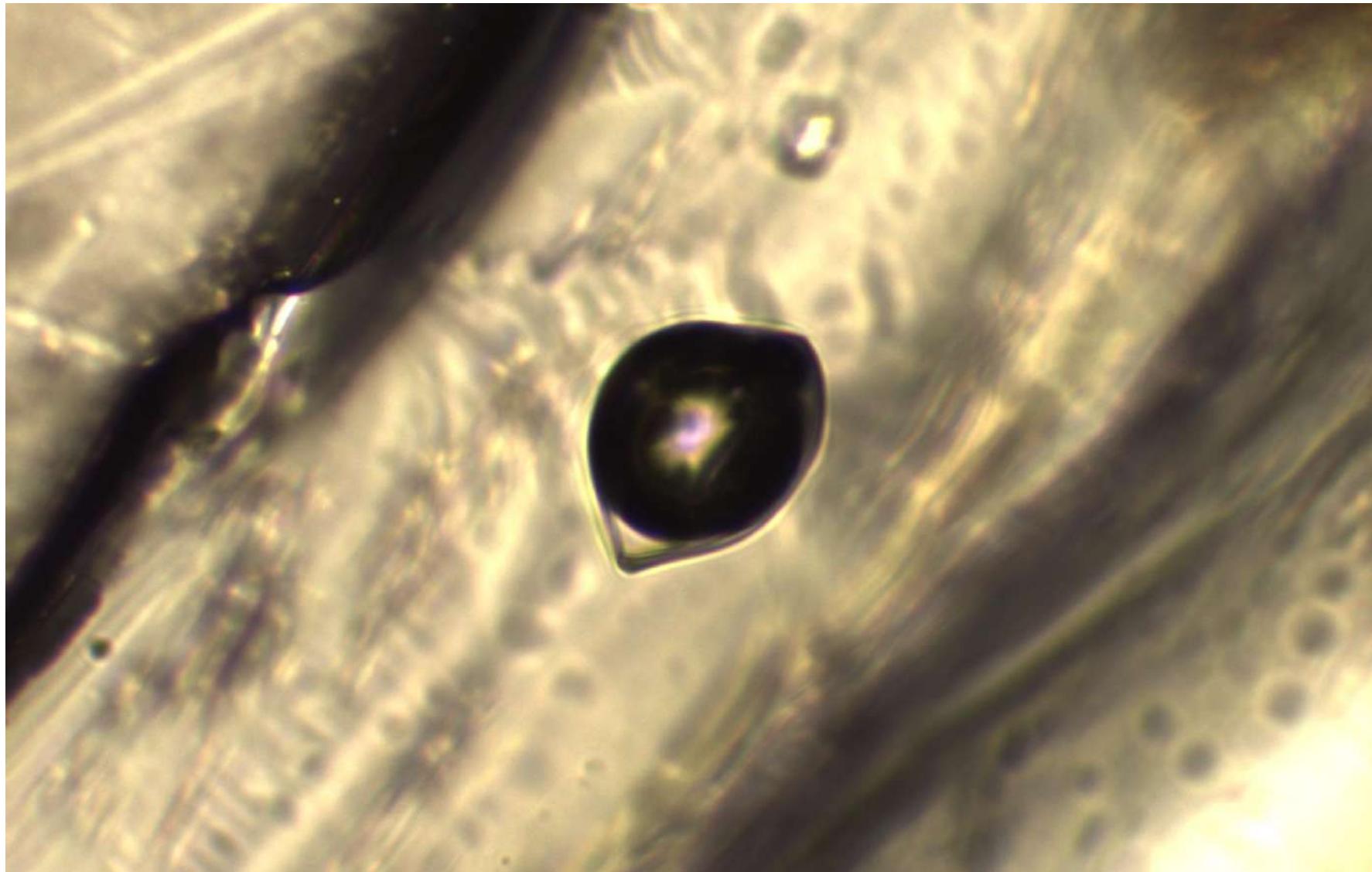


AMG98\_79e\_c123\_a2\_FIB, AMG98\_79e\_c123\_a2\_FIC



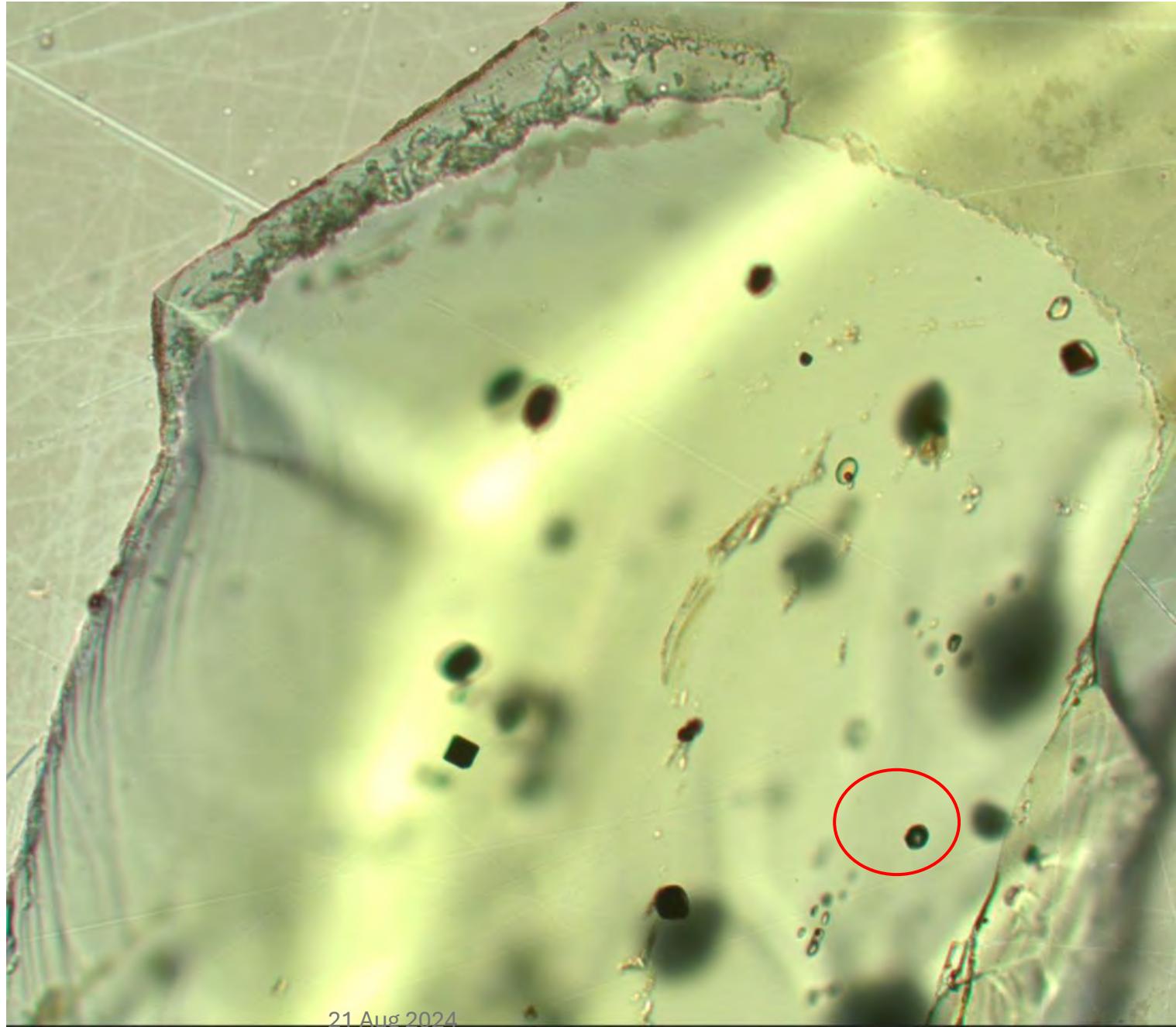
21 Aug 2024

	Filename	Mag	Width (μm)	Height (μm)
25	58 79e_c123_a2_FIB.txt	50	220.201	137.626



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AMG98\_79e\_c123\_a1\_FIA



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AMG98\_79e\_111\_a1\_FIA

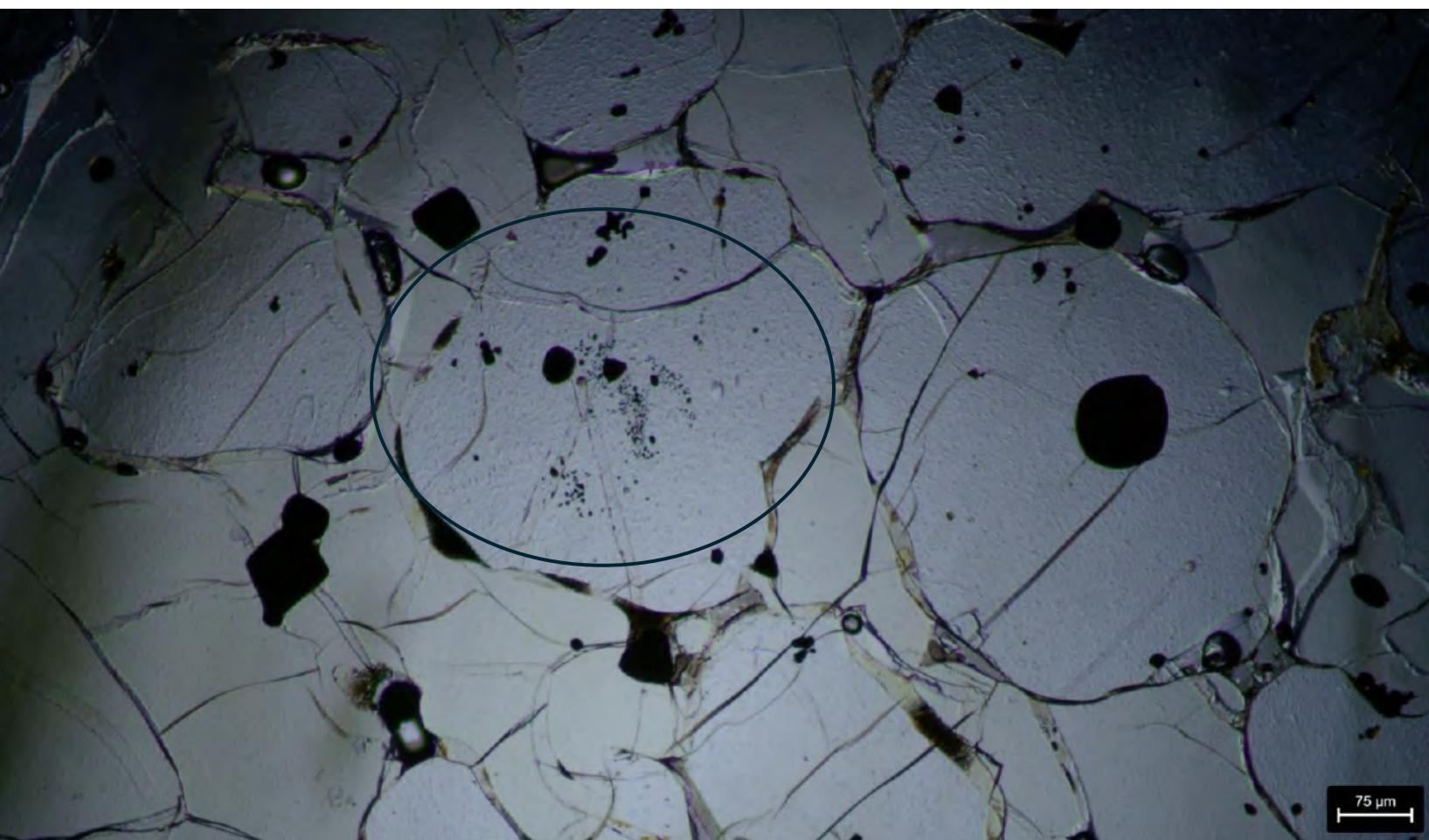


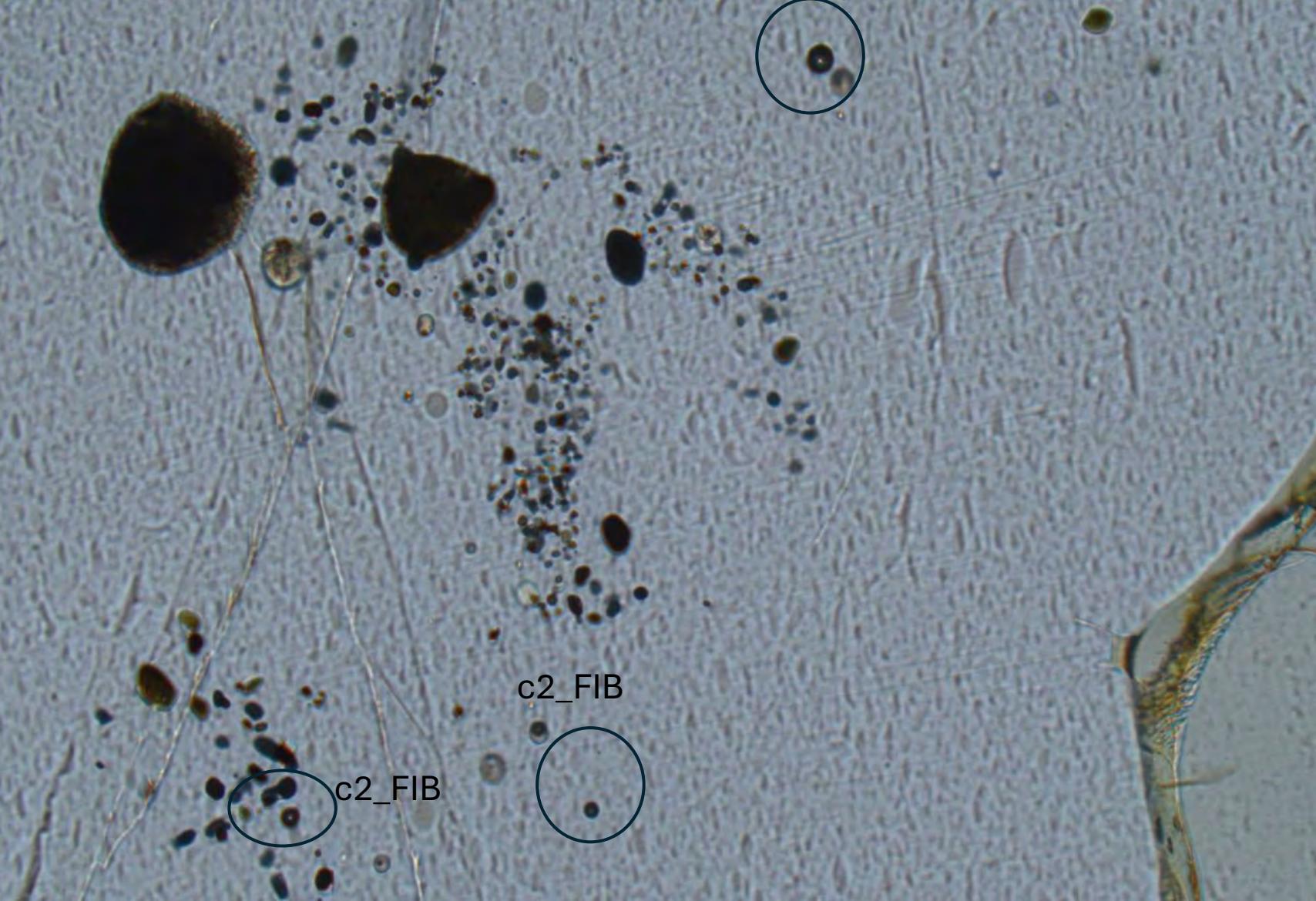
21 Aug 2024

# Folder: 27\_11\_2024\_Gaffney\_Thinsections

- Images with scale annotations were taken on the WITEC alpha 300R Raman camera.
- Other images are intended to show location in the crystal and the epoxy mount,

48i\_c1





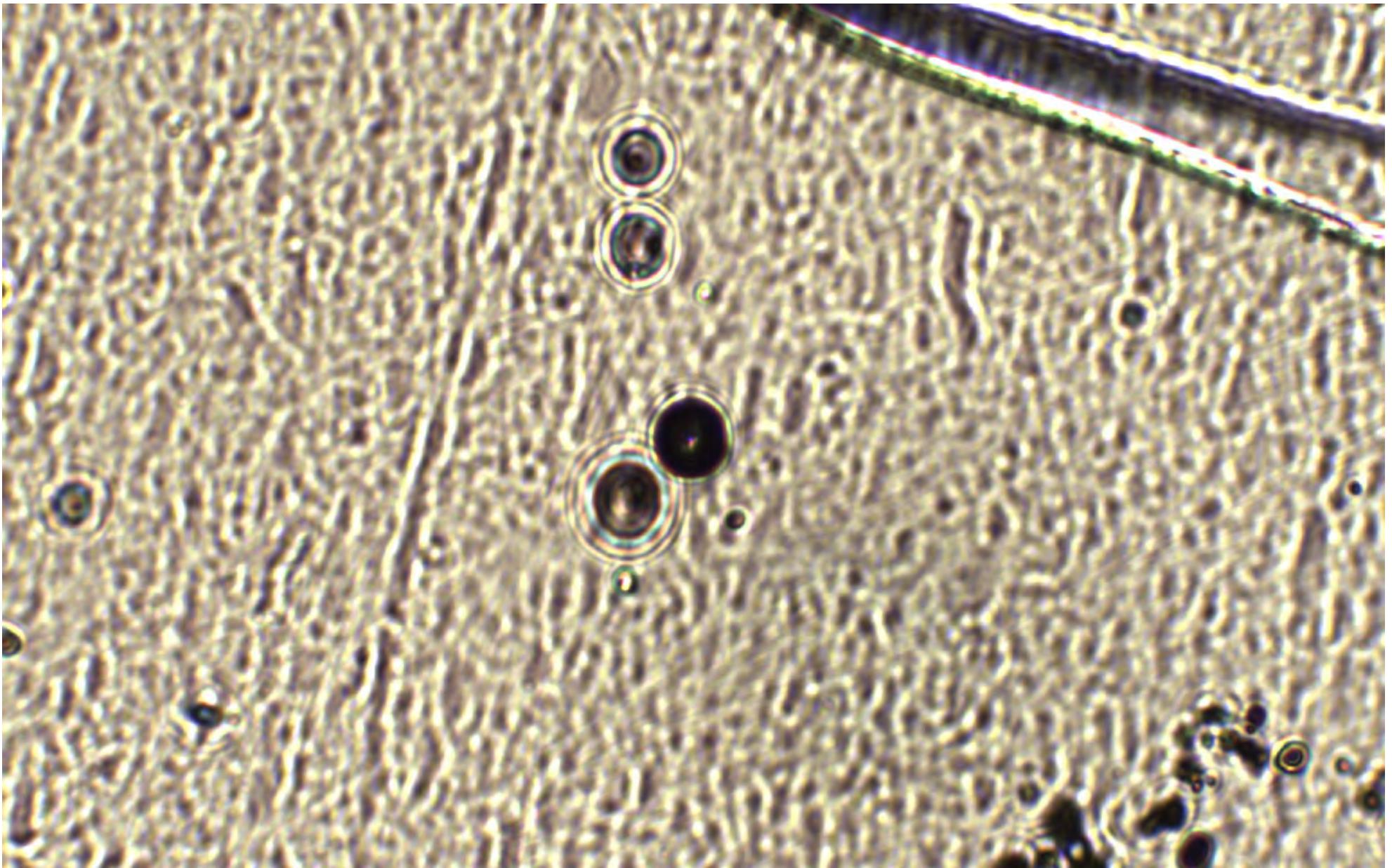
c1\_FIA

c2\_FIB

c2\_FIB

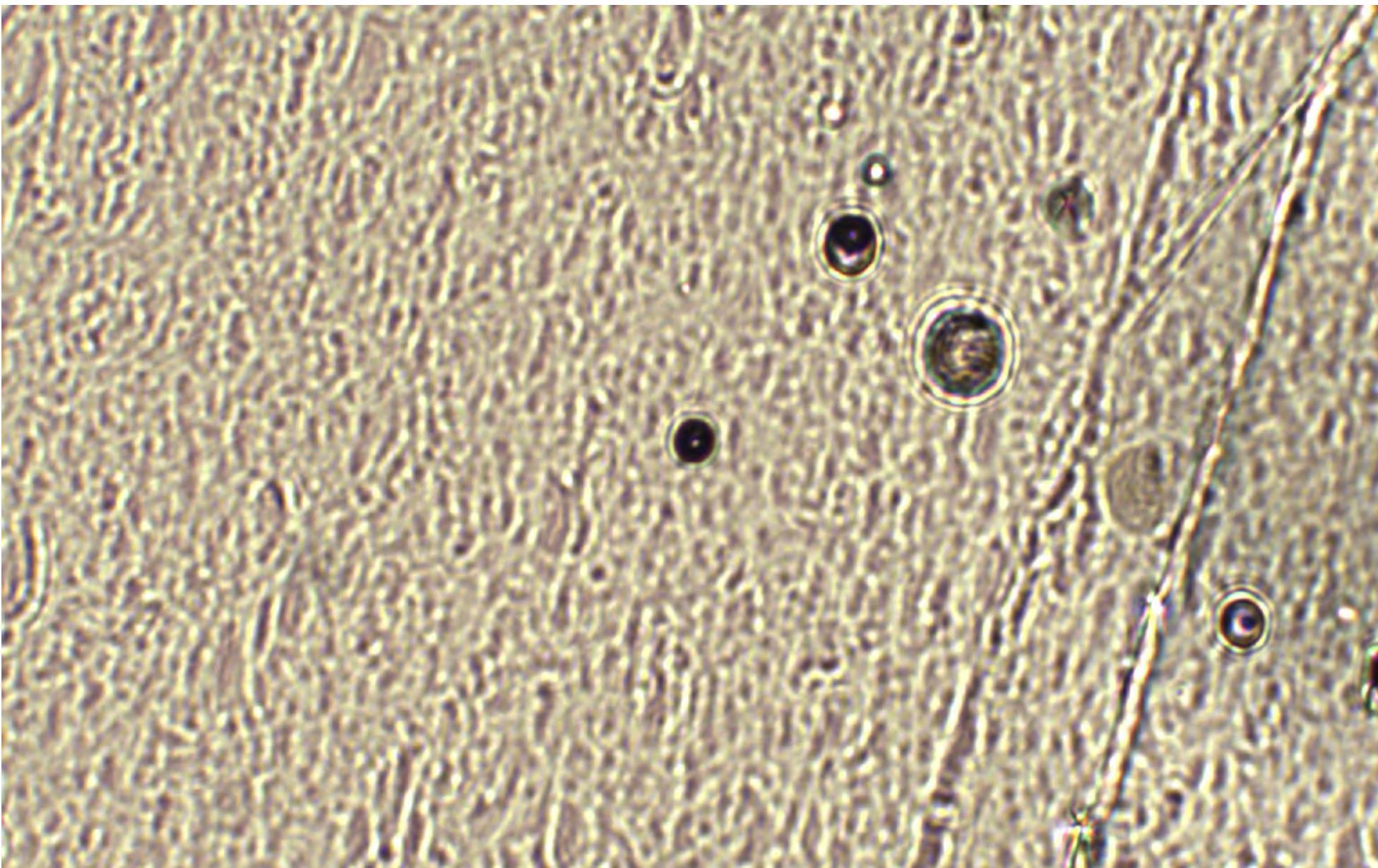
48i\_c1\_a1\_FIA

Mag	Width (µm)	Height (µm)
50	220.201	137.626



48i\_c1\_a1\_FIB

Mag	Width (µm)	Height (µm)
50	220.201	137.626



48i\_c1\_a1\_FIC

Mag Width (µm) Height (µm)

50 220.201 137.626

