**Progress report 11**

Tawab Karim

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| --- | --- |
| Date | 19/11/2019 |
| Subject | AIM+Website |
| Project Term |  |

# Outcomes of the last meeting (22/10/2019)

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# Results during the last week(s)

* Batch 4 is production ready, drawings have been delivered and delivery date estimate has been made (see log for more info)
* Calculations for light sheet have been made, formulas used for this can be found in the appendix.
* Zemax model started, still have to ask Gleb how to show how the beam propagates along the z axis. I can create spot diagrams (see appendix) and see these spot diagrams in different defocusses.

# Other business

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# Plans for next week(s)

* This week I will ask Alex and Erica about the possibility to assemble the laserbox
* This week I will start and finish the calculations for the light sheet with correct optics in order to have the light sheet within the desired specs (see appendix). These lead to unrealistic setup’s though…
* End of this week I will finalize the website mock up and go through what I’ve got in mind for it.
* Beginning of next week I will start and finish the CAD models for the new light sheet module which will be within specs and with the changes which were suggest by Carlas.
* End of next week (if Alex can’t do it) I will start with the assembly of the Laserbox

# Schedule current and next week

## This week

* Monday 1600-1730 (CSI meeting)
* Wednesday 1100-1800
* Friday 1300-1800

## Next Week

* Monday 0900-1500
* Wednesday 1100-1800

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| --- | --- | --- | --- | --- |
| Project | Figure | Current Components | Needed Components | Earliest Due Date |
| DMD-Setup | LINK |  |  |  |
| TIRF-Setup | LINK | 1,2,3,4,6,7,8,10 | 5,9 | 30/09/2019 |
| LS-Module | LINK |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| Figure no. | Component code | Component Name | Amount in Inventory | Amount in production | Production due date |
| [1](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_1_1) | CR001-A | Microscope Tower | 1 | 2 | 30/09/2019 |
| [2](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_2_1) | CR002-A | EM Plate | 1 | 2 | 30/09/2019 |
| [3](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_3_1) | CR003-A | FilterPlate | 1 | 2 | 30/09/2019 |
| [4](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_4) | CR004-A | CoverPlate V2 P1 | 1 | 2 | 30/09/2019 |
| [5](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_5) | CR005-A | CoverPlate V2 P2 | 0 | 3 | 30/09/2019 |
| [6](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_6) | CR006-A | BottomPlate | 1 | 2 | 30/09/2019 |
| [7](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_7) | CR007-A | Stage Mount | 3 | 0 | - |
| [8](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_8) | CR008-A | Stage Plate | 3 | 0 | - |
| [9](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_9) | CR009-A | Tube Lens Mount | 0 | 1 | 18/10/2019 |
| [10](file:///C:\Users\tawab\Documents\DCSC%20-%20Work\%23Progress%20Reports%23\Progress%20report%207.docx#_Figure_10) | PP001-A | CameraMount | 2 | 0 | - |
| 11 | CR008-B | Stage Plate | 0 | 1 | 18/10/2019 |
| 12 | CR010-A | StageThorlabsAdapter-A | 0 | 1 | 18/10/2019 |
| 13 | CR011-A | StageThorlabsAdapter-B | 0 | 1 | 18/10/2019 |
| 14 | CR012-A | SpacerBlockStage | 0 | 1 | 18/10/2019 |
| 15 | CR013-A | FilterPlateStraight | 0 | 1 | 18/10/2019 |
| 16 | CR020-A | PanelLaserBox1 | 0 | 1 | 04/10/2019 |
| 17 | CR021-A | PanelLaserBox2 | 0 | 1 | 04/10/2019 |
| 18 | CR022-A | PanelLaserBox3 | 0 | 1 | 04/10/2019 |
| 19 | CR023-A | PanelLaserBox4 | 0 | 1 | 04/10/2019 |
| 20 | CR024-A | PanelLaserBox5 | 0 | 1 | 04/10/2019 |
| 21 | CR025-A | PanelLaserBox6 | 0 | 1 | 04/10/2019 |
| 22 | CR026-A | PanelLaserBox7 | 0 | 1 | 04/10/2019 |
| 23 | CR027-A | PanelLaserBox8 | 0 | 1 | 04/10/2019 |
| 24 | CR028-A | PanelLaserBox9 | 0 | 1 | 04/10/2019 |
| 25 | CR029-A | PanelLaserBox1D | 0 | 1 | 04/10/2019 |
| 26 | CR030-A | PanelLaserBox4D | 0 | 1 | 04/10/2019 |
| 27 | CR014-A | OuterBlock1 | 0 | 1 | 31/01/2020 |
| 28 | CR015-A | OuterBlock2 | 0 | 1 | 31/01/2020 |
| 29 | CR016-A | InnerBlock | 0 | 1 | 31/01/2020 |
| 30 | CR017-A | PolerazationConnector | 0 | 1 | 31/01/2020 |
| 31 | CR018-A | PolerazationSelector | 0 | 1 | 31/01/2020 |
| 32 | CR031-A | BackPlateMirror | 0 | 0 | - |
| 33 | CR032-A | MirrorRotMount | 0 | 0 | - |
| 34 | CR033-A | HoldPlate | 0 | 0 | - |
| 35 | CR034-A | Mounting | 0 | 0 | - |
| 36 | CR035-A | SidePlateConnector | 0 | 0 | - |
| 37 | CR036-A | SidePlateB | 0 | 0 | - |
| 38 | CR037-A | SidePlates | 0 | 0 | - |
| 39 | CR038-A | NemaMount | 0 | 0 | - |
| 40 | CR039-A | HaltePlatte | 0 | 2 | 31/01/2020 |
| 41 | CR040-A | Anschraubplatte | 0 | 2 | 31/01/2020 |
| 42 | CR041-A | Kugelhalter2 | 0 | 4 | 31/01/2020 |
| 43 | CR042-A | Kugelhalter | 0 | 2 | 31/01/2020 |
| 44 | CR043-A | Kugelhalter3 | 0 | 2 | 31/01/2020 |
| 45 | CR044-A | BasePlateStage | 0 | 1 | 20/12/2019 |
| 46 | CR045-A | MountingPlate | 0 | 2 | 20/12/2019 |
| 47 | CR046-A | StepConnectPlate | 0 | 1 | 20/12/2019 |
| 48 | CR047-A | BackPlateMirror | 0 | 1 | 20/12/2019 |
| 49 | CR048-A | HoldPlate | 0 | 1 | 20/12/2019 |
| 50 | CR049-A | MirrorRotMount | 0 | 1 | 20/12/2019 |
| 51 | CR050-A | Mounting | 0 | 1 | 20/12/2019 |
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## Project figures

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| DMD-Setup |
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| TIRF-Setup |
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| LS-module |
| -image not yet made- |

## Component figures

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| --- | --- |
| Figure 1 -- CR001-A | Figure 2 – CR002-A |
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| Figure 3 – CR003-A | Figure 4 – CR004-A |
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| Figure 5 – CR005-A | Figure 6 – CR006-A |
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| Figure 7 – CR007-A | Figure 8 – CR008-A |
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| Figure 9 – CR009-A | Figure 10 – PP001-A |
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| Figure 13 – CR008-B | Figure 12 – CR010-A |
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| Figure 13 – CR011-A | Figure 14 – CR012-A |
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| Figure 15 – CR013-A | Figure 16 – CR020-A |
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| Figure 17 – CR021-A | Figure 18 – CR022-A |
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| Figure 19 – CR023-A | Figure 20 – CR024-A |
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| Figure 21 – CR025-A | Figure 22 – CR026-A |
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| Figure 23 – CR027-A | Figure 24 – CR028-A |
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| Figure 25 – CR029-A | Figure 26 – CR030-A |
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| Figure 27 – CR014-A | Figure 28 – CR015-A |
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| Figure 29 – CR016-A | Figure 30 – CR017-A |
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| Figure 31 – CR018-A | Figure 32 – CR031-A |
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| Figure 33 – CR032-A | Figure 34 – CR033-A |
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| Figure 35 – CR034-A | Figure 36 – CR035-A |
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| Figure 37 – CR036-A | Figure 38 – CR037-A |
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| Figure 39 – CR038-A | Figure 40 – CR039-A |
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| Figure 41 – CR040-A | Figure 42 – CR041-A |
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| Figure 43 – CR042-A | Figure 44 – CR043-A |
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# Appendix

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