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## I. INTRODUCTION

One of the strengths of Daybook Data Manager is its ability to generate reports containing the quality data of a monitored system, either on a time range or on a specific date. Thus, the information about the quality of an imaging device can easily be viewed, shared and stored.

The reports generated by Daybook Data Manager are a mirror of the results displayed in the “Monitoring” window, organized into a PDF document. They

The **reports on a time range** are useful to justify the well-functioning of an imaging device over a defined period of time, that can be a long imaging session (a core facility staff can show the report to a user to evidence that the system has been performing correctly during the period of the imaging session) or the duration of a funded project (a core facility manager can show the report to the funding agency to evidence that the system purchased with the project funds had been maintained in good operating condition).

The **reports on a specific date** are useful to have document containing detailed quality data at a reference date, corresponding for instance to the installation or the maintenance of a microscope, so that quality data generated later on can easily be compared to these ones.

The reports on a specific date include the primary metrics values and colors (associated to the tolerance thresholds defined in the timeline in the “monitoring” window) as well as the line charts.



## II. SETTINGS OF THE FIRST PAGE

Several settings are available for the first page of reports (cf. Figure 1):

- **Title:** edit the title of the report.
- **Reference:** edit the reference of the report.
- **Personalized logo:** add a personalized logo.
- **Edited by:** edit the person name who edited the report.
- **Validated by:** edit the person name who will validate the report.
- **Hide the “System and Acquisition profile” block:** hide the block containing the information about the monitored system and acquisition profile.
- **Hide the “Comments” block:** hide the block containing any hand-written comments.
- **Hide the signatures:** hide the block containing any hand-written signatures from the report editor and validator.

Click here to hide the report first page settings

Daybook Data-Manager v1.5.10 - Reports

Help About

Reports

[-] Change report information

Title Reference Personalized logo

Report title R-2021-08-01 Choose File No file chosen

Edited by Ernst Abbe Validated by Galileo Galilei

Hide the "System and Acquisition profile" block Hide the "Comments" block Hide the signatures

ARGOLIGHT A Precision Company

Daybook Data Manager version 1.5.10

Report title

Report reference: R-2021-08-01

Edition date: 2021-09-12 12:04:15

Monitoring time range: 2020-04-07 to 2020-04-07

Edited by: Ernst Abbe

Validated by: Galileo Galilei

System & Acquisition profile used for this report

Microscope	Cell-Voyager 7000 (Yokogawa) CV7000		
Acquisition profile	20x DAPI/GFP TxRed Cy5		
Product used	Argo WP		
Channels	Objective	Filter	Light source
DAPI	20x/0.75	DAPI Single filter X: 405/0 nm M: 445/45 nm	Laser 405 nm Monoch. LASER 100 % 405 nm
	Air PlanSuperApo 20x/0.75		Camera 1 sCMOS Binning 1x1 445 nm

Comments

Editor: Validator:

Figure 1: Settings available for the first page of the reports.



### III. SETTINGS TO GENERATE A REPORT ON A TIME RANGE

To generate and download a report on a time range, click on the “On a time range” button.



Several settings are available to generate a report on a time range (cf. Figure 2):

- **Select a system:** select one of the monitored systems.
- **Select an acquisition profile:** Select one of the acquisition profiles from the selected system
- **Select one channel:** Select one of the channels from the selected acquisition profile.
- **Select a start date:** Select the start date of the time range.
- **Select an end date:** Select the end date of the time range.
- **Select one or more tests:** Select the tests (i.e. the analyses) whose results you want to include in the report.

The screenshot shows the 'Reports' section of the Daybook Data Manager interface. On the left, there are navigation tabs for 'Systems', 'Monitoring', and 'Reports'. The 'Reports' tab is active, showing a 'Which type of report do you want?' dialog with two options: 'On a time range' (selected) and 'On a specific date'. Below this, there are several selection fields: 'Select a system' (Cell Voyager 7000), 'Select an acquisition profile' (20x DAPI-GFP-TxRed-Cy5), 'Select one channel' (GFP), 'Select a start date' (2020-04-07), and 'Select an end date' (2020-04-07). There is also a 'Select one or more tests' section with a 'Select all' button and five test options: 'Field uniformity', 'Field distortion', and three 'Lateral co registration accuracy' tests. On the right, a preview of a 'Monitoring report' is shown. The report header includes the 'esa' logo, 'Daybook Data Manager version 1.5.10', and the report title 'Monitoring report'. The report content includes: 'Report reference: R-2021-08-01', 'Edition date: 2021-09-12 11:45:16', 'Monitoring time range: 2020-04-07 to 2020-04-07', 'Edited by: Ernst Abbe', and 'Validated by: Galileo Galilei'. A table titled 'System & Acquisition profile used for this report' lists details for the microscope, acquisition profile, product used, and channels. The 'Channels' table has columns for Objective, Filter, Light source, and Detector. Below the table is a 'Comments' section with an empty text area and 'Editor' and 'Validator' input fields.

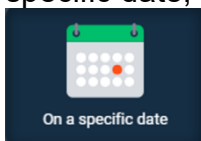
Figure 2: Settings available to generate and download a report on a time range.

The **reports on a time range** include values and colors of the primary metrics (associated to the tolerance thresholds defined in the timeline in the “monitoring” window) as well as the line charts **for one system, one acquisition profile and one channel**.



### IV. SETTINGS TO GENERATE A REPORT ON A SPECIFIC DATE

To generate and download a report on a specific date, click on the “On a specific date” button.



Several settings are available to generate a report on a specific date (cf. Figure 3):

- **Select a system:** select one of the monitored systems.
- **Select an acquisition profile:** Select one of the acquisition profiles from the selected system
- **Select one or more channels:** Select one or several channels from the selected acquisition profile.
- **Select a specific date:** Select the specific date.
- **Select a start time:** Select the start time of the specific date.
- **Select an end time:** Select the end time of the specific date.
- **Select one or more tests:** Select the tests (i.e. the analyses) whose results you want to include in the report.

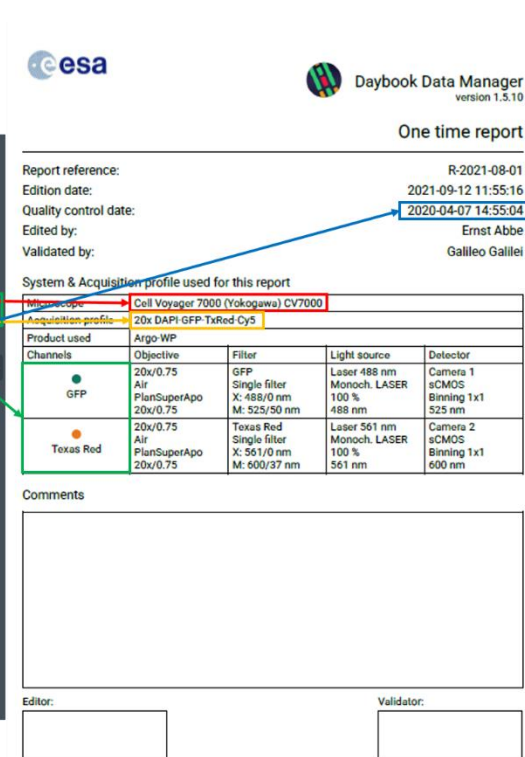
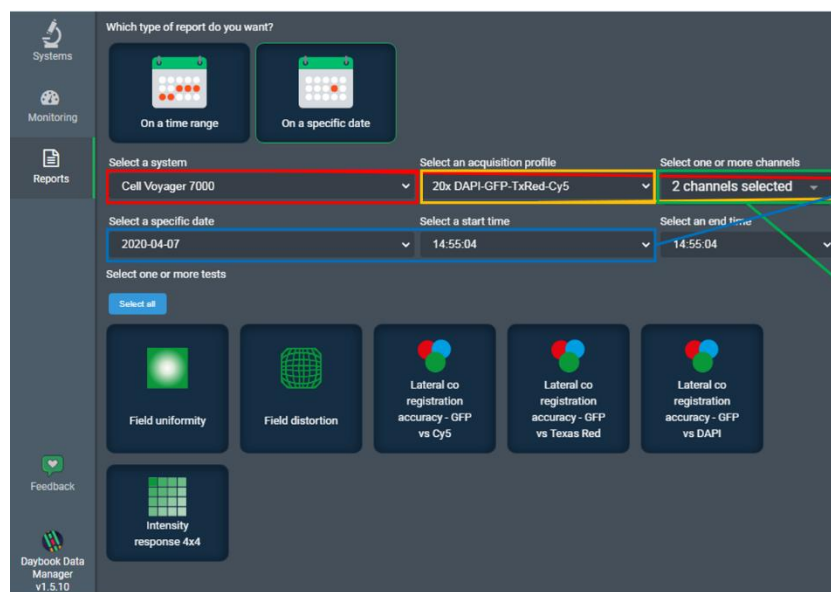


Figure 3: Settings available to generate and download a report on a specific date.

The **reports on specific date** include the values and colors of the primary metrics (associated to the tolerance thresholds defined in the timeline in the “monitoring” window) as well as the image and graph results **for one system, one acquisition profile and one or several channels**.

**Encountered an issue or a question when using Daybook Data Manager?  
Please [use the feedback button in the software](#)  
Or send a screenshot and your problem description to:  
[customer@argolight.com](mailto:customer@argolight.com)**