



Detector Thin Client

1.8.0.0

Version	Name	Remarks	Date
1.0.0	Adi Brill	Final Document	2022.03.28



1. Manual Samples – Improvements and chart Addition

The manual samples contain new options.

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File Reports Refresh Log Out Info EDS Text

Measurements Ctrl+M

Alarms Center Ctrl+A

Manual Samples

Manual Samples	Last TimeStamp	Alarm Status
RUN Azur_Ben_Gurion	2022-03-07 16:15:00	
RUN Gani_Azur	2022-03-07 16:00:00	
RUN Hana_Sheneesh_Azur	2022-03-07 10:45:00	
Beit_Dagan		
RUN Beit_Dagan	2022-01-19 10:45:00	
RUN Dagan_Begun	2022-03-07 10:45:00	
RUN Dagan_Hagolan	2022-03-07 15:00:00	
RUN Zabotinsky_Beit_Dagan	2022-01-26 10:00:00	
Holon		
RUN Harkin_Mikve_Israel	2021-12-22 02:00:00	
RUN Measeel_Ein_Yahav	2022-02-14 11:30:00	
RUN Measeel_Hofien	2022-03-07 10:45:00	
RUN Mekorot	2022-03-07 10:45:00	
RUN Meshula	2022-03-07 10:45:00	
RUN Paz_Halokhamim	2022-03-07 10:45:00	
RUN Serelin_6	2022-03-07 10:45:00	
RUN Shareit_6	2022-03-07 15:45:00	
RUN Shenkar_85	2022-03-07 10:45:00	
RUN Shikmo_Sharet	2022-03-07 10:45:00	
RUN Yehuda_Alexandrony	2022-03-07 10:45:00	
RUN Yehuda_Hatzamut	2022-03-07 10:45:00	
RUN Zeharia_Harofeh	2022-03-02 04:30:00	
Or_Yehuda		
RUN Hashomer_58_OY	2022-03-07 16:00:00	

Selected site data

Field	Units	Data
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Map

Search by address or coordinates...

Map Satellite

Events

Display Pending Detectors

Alarm Type Key	Key	Start Time	Trigger Time	Description
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the new button brings chart number 18 for the selected time period. Clicking on the data entry from the button grid (select a data cell of the wanted variable and site) will display the scatter chart for the automatic sampling vs. manual sampling in this site. The chart can also be invoked from the charts window.

The chart shows the points of manual vs auto samples and the trend line. At the bottom right box you can see the intercept and slope of the trend line.

Clicking on the DB button on the right side menu will save the current slope and intercept to the DB.

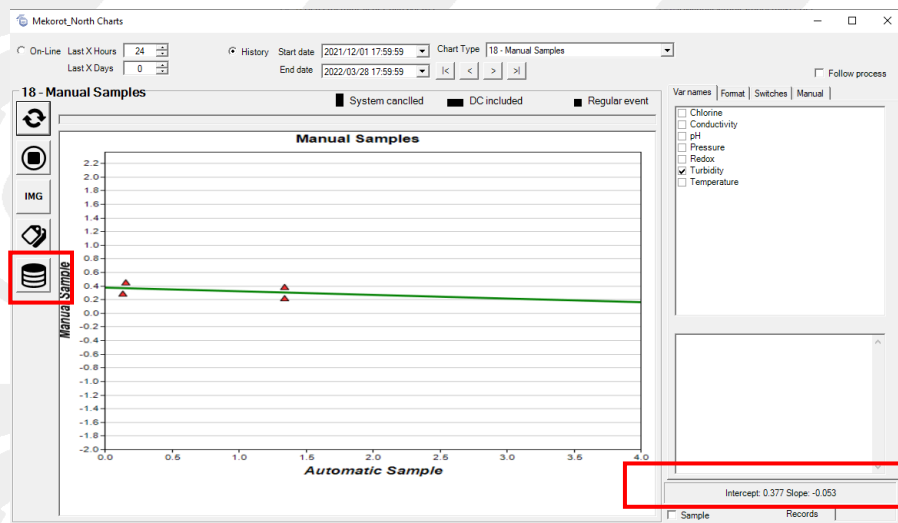
Water Quality Manual Samples

Sites list: ☐ Select All ☐ Clear All

From date: 2021/12/01 17:59:59 To date: 2022/03/28 17:59:59

Add/Update/Delete current values

RecordNumber	Site Name	TimeStamp/yyyy/MM/dd_HH:mm	FreeCL	TotalCL	Turbidity	pH	Conductivity	Redox
1	Marva	2021-12-23 08:10:00	00.170	00.000	00.460	00.000	00.000	00.000
1	Mekorot_North	2021-12-02 08:31:02	00.110	00.000	00.290	00.000	00.000	00.000
4	Mekorot_North	2021-12-03 11:27:02	00.130	00.000	00.390	00.000	00.000	00.000
6	Mekorot_North	2021-12-03 11:27:59	00.290	00.000	00.220	00.000	00.000	00.000
7	Mekorot_North	2021-12-14 11:20:59	00.350	00.000	00.450	00.000	00.000	00.000
1	Mekorot_South	2021-12-23 10:17:00	00.310	00.000	00.850	00.000	00.000	00.000
4	Osem	2021-12-23 07:29:00	00.070	00.000	00.280	00.000	00.000	00.000
5	Osem	2021-12-23 07:29:00	00.070	00.000	00.280	00.000	00.000	00.000
6	Osem	2021-12-23 07:29:00	00.070	00.000	00.260	00.000	00.000	00.000
7	Osem	2021-12-23 07:29:00	00.070	00.000	00.260	00.000	00.000	00.000
7	Osem	2021-12-23 07:46:00	00.190	00.000	00.260	00.000	00.000	00.000
7	Osem	2021-12-23 07:58:00	00.300	00.000	00.370	00.000	00.000	00.000
7	Osem	2021-12-23 08:27:00	00.180	00.000	00.300	00.000	00.000	00.000
2	Osem	2021-12-23 09:27:00	00.120	00.000	00.300	00.000	00.000	00.000





2. Polygon Manager

The polygon manager is available from the “Text” option at the map screen main menu.

It allows marking polygons on top of a google map and save them to the DB. This feature allows to string together text message alerts from the call center and models events.

Mark a spot on the map with your mouse. When the desired point is selected, click on the plus button.

To refresh click on the drawers.

To delete a spot click on the paper with X button.

To save the polygon to the list click on the down arrow button.

The map button at the bottom right will display the models locations on the map.

The DB button will refresh and display the polygons as they appear on the DB – caution – this button deletes any unsaved polygons. A warning message will display before this action is preformed

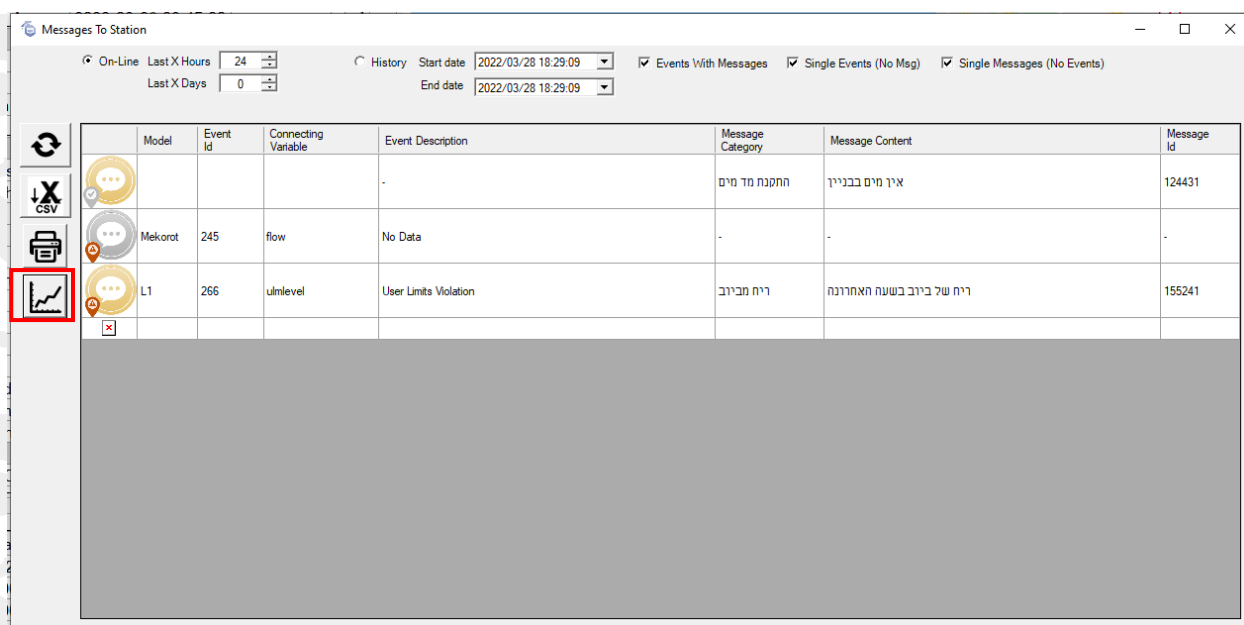
The big X button will delete all polygons from the polygons table on this screen.

The paper with X will delete only a selected polygon.

Clicking on the disk button will save any unsaved polygon to the DB. To know weather a polygon is saved or not, look at the cell value at the Is_InDB column.

Polygon_Name	Lon	Lat	Is_InDB
H1	34.770258665084832	0313087121884	Yes
H2	34.7643363475832	0337735489203	Yes
H4	34.77227032184632	0202525122066	Yes
H3	34.76164340972932	0085490419819	Yes
TA	34.764282703399732	0368203956196	Yes
H5	34.789066314697332	0217215946721	Yes
A2	34.792767763137832	0313541894816	Yes
A1	34.798234105110232	0276431680947	Yes

It is also available from the Message to Sensor window at the map screen main menu

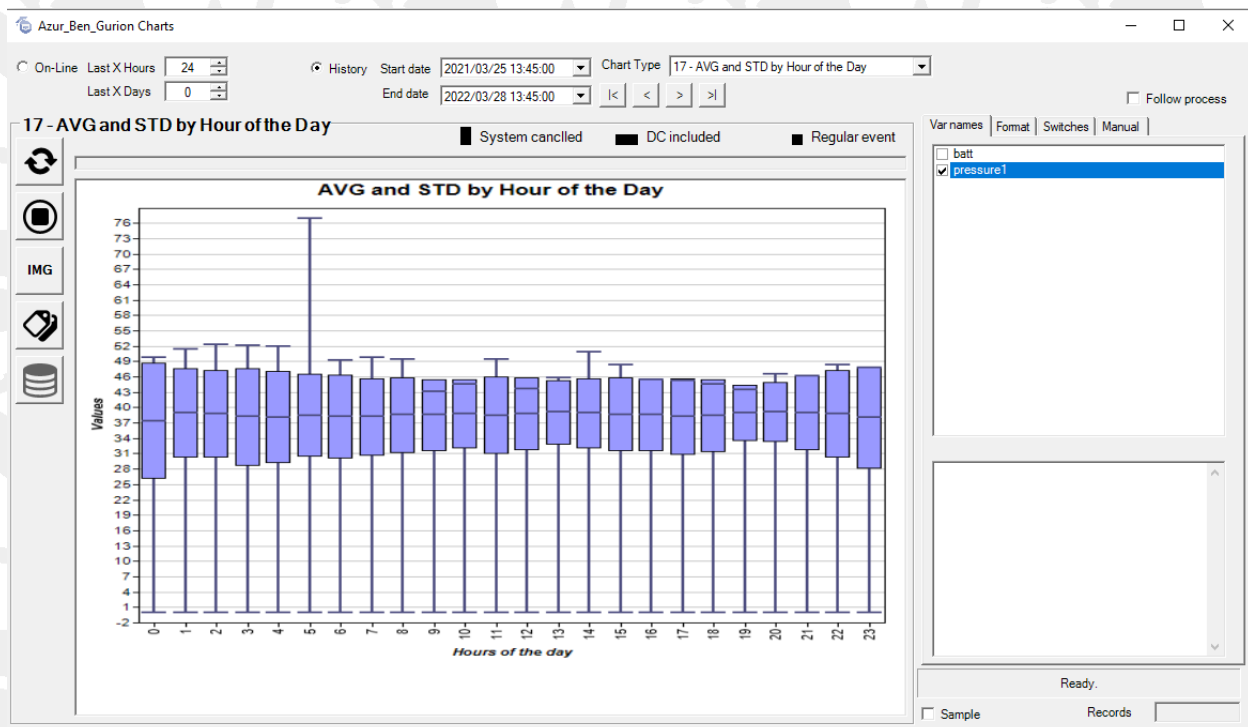


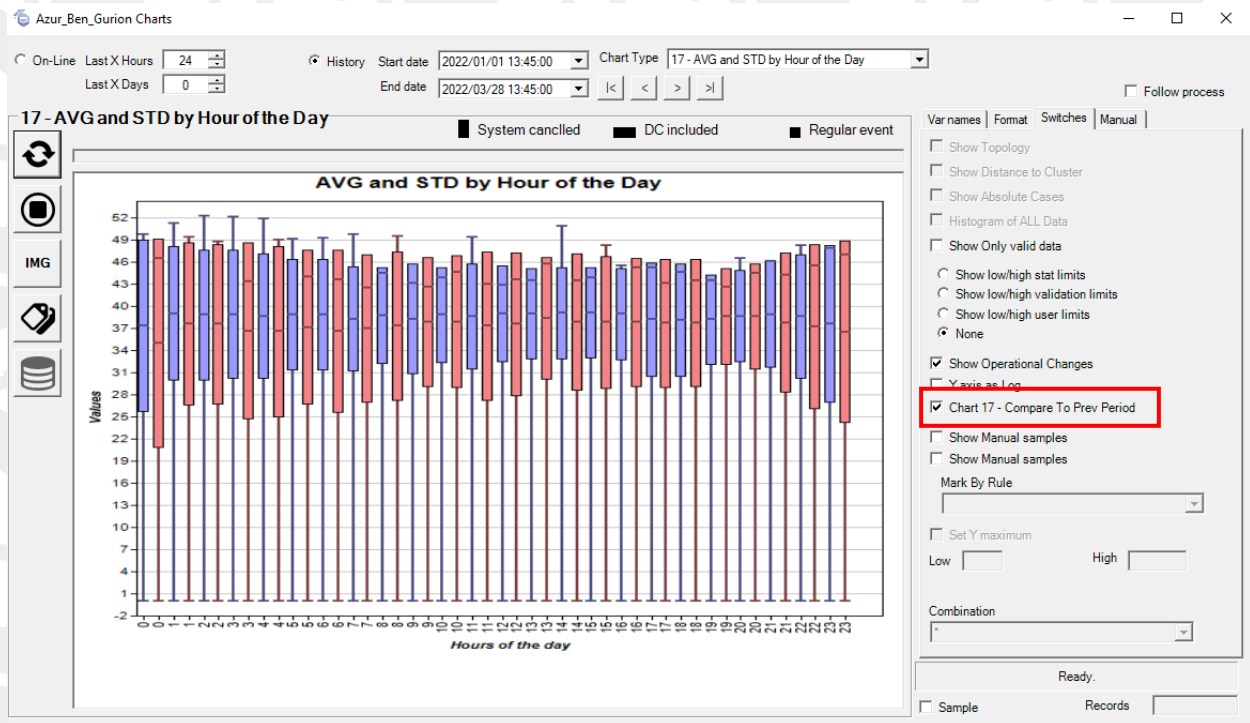


4. Chart 17

This chart shows the average and standard deviation of the selected parameter by the hour of the day in the selected period.

In the switches pane, selecting the “chart 17 – Compare to Prev Period” will bring for each hour of the day, the previous period (the same time window but up to the start time moment) and display it beside the corresponding time as selected in the datetime selection.

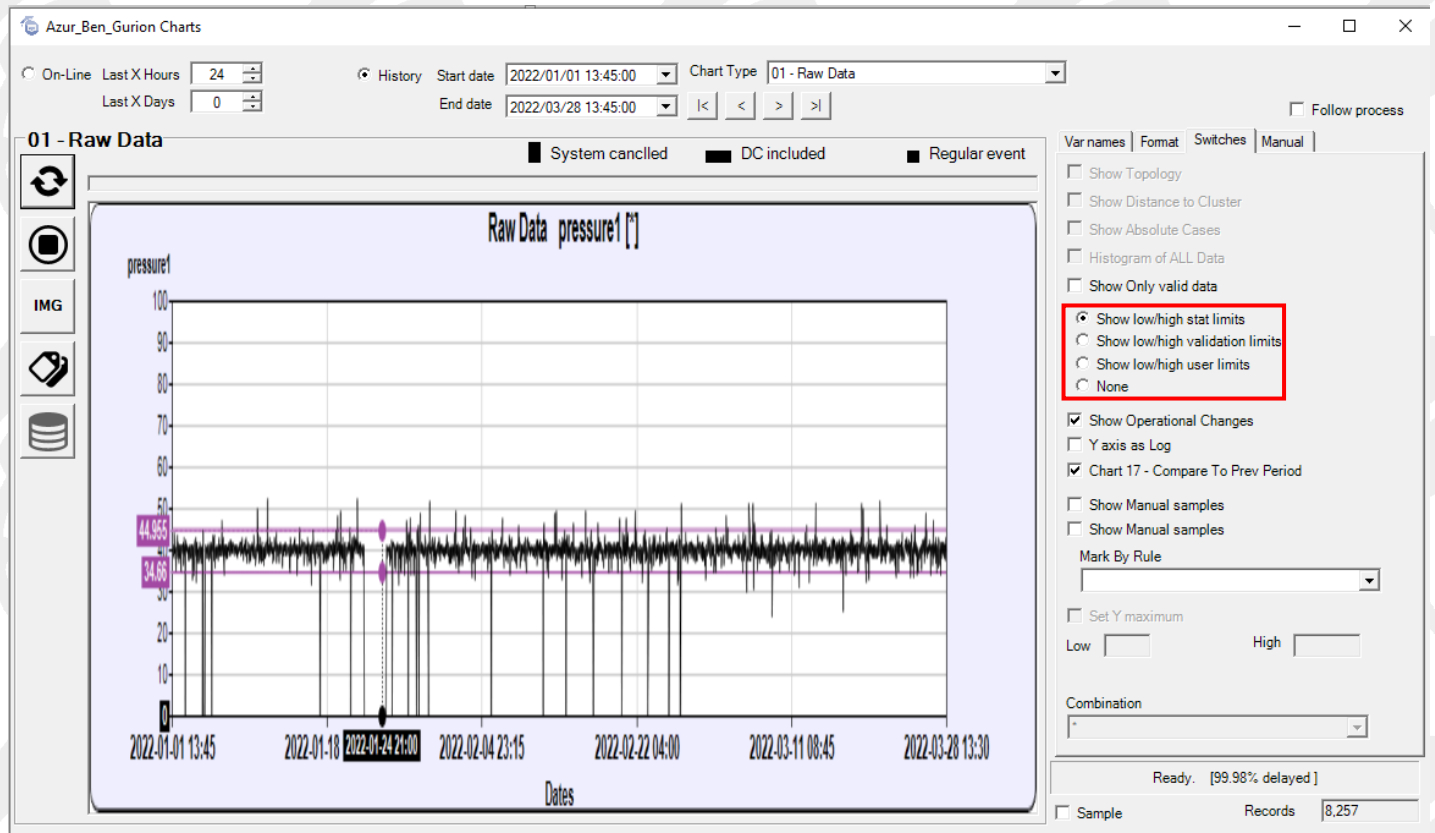






5. Chart Limits – User, Stat and Validation

Selecting any limits option from the switches pane will display the selected limits on the chart.





6. Report 17

Report 17 displays the correctly classified events from the total number of events by rule number.

You can choose to display the percentage of the correct events.

You can choose to display only user limits events, or mismatched only (events where the system and the user classifications were odd).

The screenshot shows the 'Server Reports' application window. On the left, the 'Models List' includes a scrollable list of models with checkboxes. 'Bayit_Vagan' is selected. The 'Dates Filter' shows 'From Date' as 2022/01/01 18:37:55 and 'To Date' as 2022/03/28 18:37:55. The 'Report selection' dropdown is set to '17 - User Vs. System Classification Ratio'. The 'Output file location' is 'c:\EDSReports\ServerReportNumber_172022_03_28_18_38_27.csv'. The 'Filters' section has 'Display by Percentage' checked. The 'Report Data' section shows the report title 'Report number: 17 - User Vs. System Classification Ratio' and a table of results.

Model Name	Rule Number	Correctly Classified Events	Total	Percentage
Bayit_Vagan	-1	0	2	0%
Bayit_Vagan	1	18	18	100%
Bayit_Vagan	2	1	1	100%
Bayit_Vagan	3	1	5	20%
Bayit_Vagan	6	1	1	100%
Bayit_Vagan	7	99	99	100%
Bayit_Vagan	11	1	1	100%
Bayit_Vagan	13	1	1	100%