SYPERION SLOPE MONITORING
Quick Reference

Syperion

Syperion Slope Monitoring

1 Area/Epoch Edit View Report Help

Reference Epoch
20200601_1900

2 91 Epochs

- 20200601_2300
- 20200601_2200
- 20200601_2100
- 20200601_2000
- 20200601_1900

3
Properties...
Set as reference
Delete...
✔ Active
Re-calculate ▸

 Epoch
 All Epochs...
 Alarm Spots
 This Epoch's Tie Points
 All Epoch's Tie Points

- 20200601_1200
- 20200601_1000
- 20200601_0900
- 20200601_0800
- 20200601_0700
- 20200601_0600
- 20200601_0500
- 20200601_0400 ⚠
- 20200601_0300
- 20200601_0200
- 20200601_0100
- 20200601_0000
- ● 20200531_2300 ⚠
- 20200531_2200
- 20200531_2100
- 20200531_2000
- 20200531_1900
- 20200531_1800
- 20200531_1700
- 20200531_1600
- 20200531_1500
- 20200531_1400
- 20200531_1300
- 20200531_1200
- 20200531_1100

4 Measure: Altitude | Difference: Altitude | Average: Altitude | Deviation: Altitude | Structural Graph | Chronologic Graph

5
1m = 2px
1px = 0.5m

Alarm Spots
Marked with a warning sign
at the epoch (2)

6 Vertical Horizontal

7 Palette
🔒 DeltaAltitude ▾ Dynamic ▾ -2,00 ⬍   -0.40 0.00 0.40   2,00 ⬍
Background VerticalOverlaySM ▾
Transparency ————— 50%

8

Current Position X 341.5 (1703) Y 793.0 (3960) Theta 0.000 Phi 0.000

	Measure	Reference	Difference*	Average	Deviation
Altitude (m)	<no data>	<no data>	<no data>	<no data>	0.000
Distance (m)	<no data>	<no data>	<no data>	<no data>	<no data>
Reflectance (dB)	<no data>	<no data>	<no data>	<no data>	<no data>
Gradient (degree)	<no data>	<no data>	<no data>	<no data>	<no data>
Shift	<no data>	<no data>		<no data>	<no data>
Speed (mm/h)	<no data>				

Alarm Spot

Name	
Area (m²)	
Coordinates	
Difference Min/Mean/Max (m)	
Deviation Min/Mean/Max (m)	

General

	Value	Unit
Time of Measure	2020-05-31 23:00:17	ISO
Time Processed	2020-09-23 19:58:14	ISO
Min Value	-25.4836	m
Max Value	16.5847	m

Active Polyline

Name	
Description	

Active Polygon

Name	
Description	
Area (m²)	
Capacity (m³)	

	Min	Mean	Max
Altitude (m)			
Gradient (degree)			
Speed (mm/day)			
Reflectance (dB)			
Difference (m)			
Average (m)			
Deviation (m)			

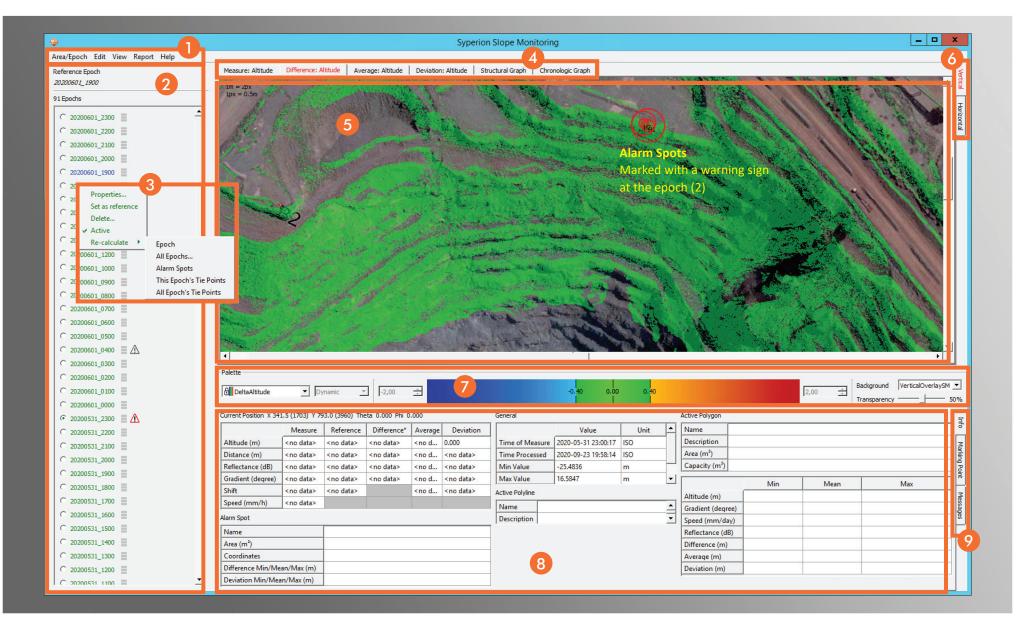**9** Info Marking Point Messages

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❶ Main Menu

- *Area / Epoch:* Select or create an area or epoch. Also exit the program here.
- *Edit:* Edit filters and palettes.
- *View:* Select view, load / edit polylines, polygons, reflectors or measure paths. Show distance and area properties, marking points movements, measure device positions, alarm spots and use adjusted distance.
- *Report:* Generate *HTML* or *PDF* report.

❷ List of Epochs

List of all epochs acquired and processed. The reference epoch is marked blue. Select an epoch with the radio button on the left to visualise its data in the *Data View.* A detected slope movement / alarm spot is marked with a grey warning sign next to the affected epoch, a particularly strong slope movement / alarm spot is marked with a red warning sign.

❸ Context Menu Epochs

- *Properties…*: Properties of the selected epoch.
- *Set as reference:* Set this epoch as reference epoch.
- *Delete…:* Delete selected epoch.
- *Active:* Activate or deactivate the selected epoch.
- *Re-calculate:* Contains a submenu where the items are listed that can be recalculated:
    - *Epoch*, *All Epochs…*, *Alarm Spots*, *This Epoch's Tie Points, All Epoch's Tie Points*

❹ Visualisation Tabs

Select the tabs above the *Data View* to visualise the data of the chosen epochs in different ways: measurements, differences, averages, deviations and structural and chronological graphs.

❺ Data View

This window visualises and displays the selected data in different ways: vertical, horizontal, as graphs, etc.

❻ Perspective Tabs

Select either the vertical (top view) or the horizontal (scanner view) perspective to display the data in the *Data View*.

❼ Palettes & Background

In this section palettes and background images can be chosen and specified. Choose a fixed palette (marked with lock symbol) or use the controls next to the colour scale to define the colours. Also, select a background image, which will be displayed below the visualised data of the epochs.

❽ Information Window

General information about the measurement, information about the values at the cursor in the *Data View*, information about alarm spots, polylines, polygons, marking points and logs.

❾ Information Tabs

The three tabs to the right of the *Information Window* provide information about the visualised data:

- *Info:* Shows data about the current area, alarm spots, the active polyline and the active polygon.
- *Marking Point:* If required, measuring points for each epoch can be extracted.
- *Messages:* Current status messages (logs) for the *SLM*.

Shortcuts

Select *Help → Shortcuts* in the main menu to open a dialogue where all available shortcuts are listed.

MOUSE / KEYBOARD	ACTION
General	
Right mouse button	Open context menu
Data View	
Left mouse button	PAN-function
Scroll	Zooming in and out
Middle mouse button	Measure distance while holding mouse button
CTRL + right mouse button	Draw polyline/polygon by selecting support points
SHIFT + right mouse button	Jump to same position from vertical to horizontal view and vice versa
ALT + left mouse button	Select position for chronological graph
CTRL + left mouse button	Mark position as reflector for tie/marking point
Data View – Structural & Chronical Graph	
CTRL + right mouse button	Zoom out from graph / restore 2D graph
Information Window – MarkingPoint	
Right mouse button	Open context menu in table marking points
List of Epochs	
CTRL + Up / CTRL + Down	Select later / earlier epoch