

Base Menus

🔷 File 🛛 View 🔪 Options 🍡 👻

File	View	Ontions	
File	view	Options	QUICK ACCESS
New	Table of Contents	Customize Ribbon Menu	LP360 Navigation
Open	Profile Window	Customize Toolbar	File
Save Project	3-D Window	Font	View
Save Project As	Immersive Window (EXP)		Options
Close Project	Dock all Floating Windows	Help Context	Job Manager
Open Startup Dialog	Profile/3-D View Toolbar icons		Help
Project Settings		Job Manager	More Commands
Chile Projects			Show Below the ribbon
Re-Path Project			Minimize the Ribbon
Coordinate System Utility			
Create LPLAS Dataset			
Import from ASCII XYZ+			
Import from MG4			
Project Metadata			
License Manager			
Recent Project(s) List			
Exit			

Navigation Tools

€ € € €	🖞 🌑 🚔 <table-cell-rows> 📥 Active Las Layer: 🛾</table-cell-rows>	riana_LAS_C240425_172	1708_1: - Filter: All Points (System) - Y	RGB - 🚺 Tin Su	rface - 🚫 Contours - 🞇 📗 🗱 🏊 📝	• 🅼 ⊡ 🖉 ²	8,854 TIN (100.00%)
•	Identify	Ŧ	Previous Extent	Points 👻	Draw Types (Draw Points)		Draw 3D Window Extent
Ð	Zoom In		Next Extent	Scontours ∗	Display Contours	. 4	Immersive Window
Θ	Zoom Out	Active Las Layer:	Active LAS Layer		Toggle Breakline Enforcement	+	Center Viewer on Mouse Click
\oplus	Continuous Zoom & Pan	1	Single LAS Mode		Apply Intensity	$\mathbf{\Delta}$	Force 100% Resolution
Ś	Pan	Filter:	View Filter	1	Blend Classification	# Points / # TIN (%)	Point Information
5	Fit World	$\mathbf{\nabla}$	Live View		Toggle Hillshade		
+?+	Measure	Elevation *	Legend Types (Elevation)		Draw Profile Line		



Legend Types

0	<i>/</i> 1
🦲 El	evation 🔹 💹 Points 🔹 🚫
۲	Elevation
5	Color Band
21	Classification
	Point Source
調	Intensity
М	Monochromatic
ξ.	Return Combination
	RGB
0	File
$\triangle^{\mathbf{z}}$	Elevation Difference
P	Point Density
-	User Data
٢	GPS Time
۸	Scan Angle
E 1	Extra Bytes 1
E2	Extra Bytes 2
E3	Extra Bytes 3
0	No Display Type

۲	Elevation	Μ	Monochromatic	ρ	Point Density	E <mark>2</mark>	Extra Byte 2
5	Color Band	2	Return Combination		User Data	E3	Extra Byte 3
	Classification		RGB		GPS Time	\bigcirc	No Display Type
	Point Source ID	6	File	$ \land $	Scan Angle		
	Intensity	\triangle^{Z}	Elevation Difference (dZ)	E1	Extra Byte 1		

Draw Types



♦ Contours *					
 Contours Smooth Contours No Contours 					
Cor	ntours	12	Smooth Contours	\bigcirc	No Contours



Profile Window

Profile Window	- LP360						×
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● 51 13 23 ● 33 2 ⊕ ▲ 51 52 53							
\bigcirc	Legend Types (Elevation (CTRL+Q))		GPS Time	EV!	Display Properties	All Points (Bysten) 🗸 🗸	Source Points Filter
5	Color Band (CTRL+A)	\checkmark	Scan Angle	ţ	Profile Depth	2	Classify Above Line (CTRL+G)
	Classification (CTRL+W)	Е <mark>1</mark>	Extra Bytes (1/2/3)	N.	Toggle Breakline Enforcement	2	Classify Below Line (CTRL+H)
	Intensity (CTRL+E)		Blend Classification		Copy Profile to Clipboard (CTRL+C)		Classify Within a Distance (CTRL+N)
Μ	Monochromatic				Drape Profile Options		Classify within Polygon (CTRL+F)
•••	Return Combination (CTRL+R)	++	Re-center Z Extent (CTRL+B)	8	Drape Profile Line		Small Paintbrush (CTRL+J)
	Point Source ID (CTRL+T)		Graticule On/Off	5	Drape Profile by Point Source ID		Medium Paintbrush (CTRL+K)
	GIS Fusion (CTRL+U)	-*-	Toggle Cursor Crosshair	Level 1	Profile Export Settings		Large Paintbrush (CTRL+L)
	RGB (CTRL+I)	Ð	Continuous Pan & Zoom (CTRL+D)		Export Draped Line	S	Undo Last Edit
0	File (CTRL+X)	+?→	Measure (CTRL+M)	Al Points (System) 🗸 🤟	View Filter	\mathbf{C}	Redo Last Edit
	User Data (CTRL+S)		Measure Area		Classify Non-visible Points Toggle	- /	Destination Class & Flags

3D Window

3D Window -	LP360			x			
🤨 - 📓 -	· 📘 🖉 🚬 🧏 🖉 📑 📑	т 🔕 🙏 🛽	Filter: All Points (System)	~			
● 51 53 63 ● 31 53 00 ■ 33 2 (P) ▲ 51 52 53				_			
	Legend Types		RGB (CTRL+I)		Draw Points on TIN		Toggle Breakline Enforcement
\bigcirc	Elevation (CTRL+Q)	9	File (CTRL+X)		Draw Wireframe	<u>[[</u>	Display Properties
5	Color Band (CTRL+A)		User Data (CTRL+S)		Draw Points on Wireframe		Top View (CTRL+D)
	Classification (CTRL+W)		GPS Time		Apply Intensity	Ø	Fit World (CTRL+F)
	Intensity (CTRL+E)	\land	Scan Angle		Blend Classification	×	Toggle Axis (CTRL+B)
Μ	Monochromatic	Е <mark>1</mark>	Extra Bytes (1/2/3)	X	Toggle Hillshade	\mathbf{A}	Force 100% Resolution
	Return Combination (CTRL+R)		Draw Types		Display Contours		Copy 3D Viewer to Clipboard (CTRL+C)
	Point Source ID (CTRL+T)		Draw Points	洞	Display Contours	All Points (System) 🗸 🗸	View Filter
	GIS Fusion (CTRL+U)		Draw TIN	R	Display Smooth Contours		



Project tab

Projec	t Sensor	Map Control Points	Point Tasks	QA/QC	Classification	Featur	e Edit	Cloud St	upport								
	۲ 🗣	Save Project As		iana_LAS_C2	230914_15530! *	1	3	#		0 7	1			#	Ф	Schild Project	
New	Open Save Project	Close Project Metadata	LAS File Ad	tive LAS Pro	perties	Add Files	Add WMS	Import Explore Package	r Import from ASCII	Import MG4	Export Wizard I	Create LPLAS* L	Export andXML TIN	Manager	Settings	Coordinate System Catalog	Image Explorer
	~)-	lome	85	Layers				Import				Expor	t		P	roject Manager	Images

Home

New	9	Save Project		Save Project As	1 >	Metadata
Open	×	Close Project	1	Startup Dialog		

Layers

	*	LAS File Analyst		Active LAS Layer	1	Single LAS Mode	2	Active LAS Proprieties
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LAS File Analyst Dialog

< LAS File A	nalyst < LAS Layer_2 >				×	
LAS Files	🔳 🗟 🛠 🖉 🎮	民 Scan	🔍 Analyze 🛛 🕅 Repair 📝 Edit	r 🕆) 🚯 🏛 🖼 📭	
LAS Files: (T	otal: 3 Selected: 1)					
	Show/Hide LAS File Header Columns	₽⁰₫	Select Display Type for Analyze Columns		LAS File Analyst Options	Copy all rows in list to clipboard
16	Show/Hide Scan Columns	🛃 Scan	Execute Scan	1	Window Centering	
O	Show/Hide Analyze Columns	🔍 Analyze	Execute Analysis		Window Fitting	
*	Show/Hide Repair Columns	🔆 Repair	Execute Repair	⊞	Display Boundaries	
2	Show/Hide Edit Columns	🍸 Edit	Execute Edit	围	Select LAS Files Graphically	

Import

*	Add Files	\$ Add WMS	Import Explorer Package	ASCI	Import from ASCII
MG4	Import MG4				

Export

	Export Wizard	PLAS	Create LPLAS	Export LandXML TIN
LPLAS	Create LPLAS Dataset		Create LPLAS Layer (Single LPLAS File)	Create LPLAS Layer (Multiple LPLAS Files)

Project Manager

#	Manager	\$ Settings	Child Project	1	Re-Path
	Coordinate System				
	Catalog				

Images

	Image Explorer
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Image Explorer dialog

🚸 Image Explorer	_		×
S 1:1 2:1 B B 1:1 2:1 B B 1:1 2:1		Ć	; 🖻

	Fit the Image in Primary Windows	0	Identify Point	۲	Marker Display Toggle	\searrow	Zoom in All Overview Windows
1:1	Display 1:1 Primary Windows	\$	Set All Image Views to Pan/Zoom Mode		Overview Windows Display Toggle	D	Zoom Out All Overview Windows
2:1	Display 2:1 Primary Windows	>	Flash Photo Mode	Ħ	Undistort Primary Windows Toggle	9	Pan to Marker in All Overview Windows
\searrow	Zoom in Primary Windows	F	Select Left Primary Image Mode		Fit the Image in Overview Windows		
\mathbf{a}	Zoom Out Primary Windows	*	Select Right Primary Image Mode	1:1	Display 1:1 Overview Windows	C	Recompute Photo Drives
٢	Pan to Marker in Both Primary Windows		Measure Object Point	2:1	Display 2:1 Overview Windows	ii ea	Image Explorer Settings

Sensor tab

The following tools are exclusively available with an LP360 Drone license.

Projec	Sensor Map Control Points	Point Tasks QA/QC	Classification	Feature Edit	Cloud Support													
1	Active Cycle: C240425_172708	· • •	₽ ♦	H	EXIF tags/EO	Trajectory Report	*	-	۲	۲	1	*	in Undo	Cv Redo		+		Ξ
Cycle	Update Utility	Trajectory Auto Create Processing Flight Lines	Create TV Geocoding Trajectory	Strip Adjustment	Export Photo Package	Pilot Log File	Post Processing	Strip Align	Ortho Mapping	Agisoft Ortho Mapping	Manual Flight Lines	Select/Edit Features*	Colete Feature	E Discard	N	Archive Manager	Utilities	Job Manager
Import			Cycle Processing					Pro	cessing				Feature Edit			Archive	1	dol
													9	٩.		-	À I	-
													Survey	unil iDAR cr Colibration	Carmera Calibration	Live D	I PPK T tility Dat	IV540 to Copy
															Unitie	5		

Import

Cycle Import

Cycle Processing

Active Cycle:	Active Cycle	Ĵ	Auto Create Flight Lines	→	Strip Adjustment	-	Export photo Package
I	Update Utility	נו	Create TV Trajectory	<u></u>	EXIF tags/EO	PP	Trajectory Report
	Trajectory Processing		Geocoding		Colorize	\mathbf{r}	Trajectory Plot
<u>6</u>)	Pilot Log File	1	Single Cycle Mode		Update Utility		

Processing

—	Strip Align	۲	Ortho Mapping	*	Agisoft Ortho Mapping	*	Post Processing Tool
Feature Ed	it						
	Manual Flight Lines	9	Select/Edit Lasso	X	Delete Features		
*	Select/Edit Feature	2	Undo	2	Redo		
	Select/Edit Polygon	8	Save Edits	Î	Discard Edits		

Archive

÷

Archive Manager





Utilities

	Survey Nail Manager	۹	Calibration	Camera Calibration	Live Stream
Ā	DJI PPK Utility		540 Data Copy		

Job

Job Manager

Job Manager

Dpen Project								
Complete Job								
Y Delate Joh								
Cancel Job								
🔊 Retry Job								
View Log								
III View Report								
Pa File Explorer								
Compute Sizes								
Show Completed Jobs								
Execution								

Map tab

Γ	Y	Toggles Profile Draw Profile Centerline Drape Prof Dzoom to Profile Display Properties Desport Sett	as Toggles 3D	Sporting Sports Sport	m In 🌠 Fixed Zoom Out	Display Boundary Select Graphically	Enable in Map	
	Live View	Draw Profile Draw Profile Box	Line to File Immersive Draw 3D Pan With Profile	🖸 Center Viewers 🎓 Jump Up	Jump Down Show Map Grid	ESelect and Load Graphically	Set Clipping Plane	Copy to Clipboard *
	Display	Profile View	3D View		Navigation	Grid	Clipping	Сору

Display



Profile View

	Draw Profile Line	Draw Profile Box	\sim	Drape Profile	Export Drape Line to File
10011	Toggle Profile	Draw Profile Centerline	Ś	Drape by Source Points	
Ð	Zoom to Profile	Display proprieties		Export Settings	

3D View

1	Draw 3D Window	Zoom to Viewer Extent	\bigcirc	Draw profile	+	Center Viewers
	Toggles 3D	Pan with Profile	1	Proprieties		Immersive Window

Navigation

Ж	Fixed Zoom In fixed Zoom In			Jump Right	Show Map Grid	
	Jump Left	R,X	Fixed Zoom Out	₽	Jump Down	





Grid					
	Display Boundary		Select Graphically		Select and Load Graphically
	L				
Clipping					
••••	Set Clipping Plane	<i>\\\\\</i>	Enable in Profile		Enable in 3D
Copy to Clip	pboard				
5	Map View		Profile View	\diamond	3D View

Control Points tab

Project	Sensor	Map	Control Points	Point Tasks	QA/QC	Classification	n Feature Edit	Cloud	Support	t					
	*	Control Point	s: None		▼ Active I	LAS Layer: Tria	ina_LAS_C230914_15	5305_12 *			R First	A last	View Reports:		¥
	//\	Elevation Fiel	d:		▼ Drive N	vlode:		-			0	O			
import	Star Utility								Estimation	Correction	S Previous	Next			
Co	ontrol				Accu	aracy Analysis					Navi	gation		Results	

Control

Ę	Import	Ť	Accuracy Star Utility

Accuracy Analysis

Control Points:	Control Points Selection	Active LAS Layer:	Active LAS Layer	Accuracy Estimation	
Elevation Field:	on Field: Elevation Field		Drive Mode	Apply Correction	

Navigation

First		Last		\langle	Previous	\triangleright	Next
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Results

View Reports:	View Reports
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Tools tab

Projec	t Senso	r Map C	ontrol Points	Tools	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support
		÷	Š							
U	\cup	AUTO								
LAS to LAS	LAS to Control	LAS to LAS	Colorize By Image							
Manual	Registration	Auto Registration	n General							

Manual Registration

Auto Registration

LAS to LAS



General



Point Tasks tab

Project	Sensor	Ma	p Co	ntrol Point	s P	oint Tasks	QA/QC	Classification	Feature	Edit	Cloud	Support
#	ţŧ.	العر	$\underline{\ll}$		0	0		\Diamond	<₿	3		
By Active Layer	By Point	By Line	By Polygon	By Envelope	By Circle	By Circular Stamp	By Rectangula Stamp	By Feature Layer	By Feature Attribute	Recover Task		
Active Layer				Exe	cute			Featur	e Layer	Utility		

Active Layer



Execute

	By Point	X	By Polygon		By Circle	By Rectangular Stamp
	By Line		By Envelope	\bigodot	By Circular Stamp	

Feature Layer

Utility

3	Recover Task
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QA/QC tab

Project Sensor Map Con	trol Points	Point Tasks QA/Q	Classification Feature Edit Cloud Support				
Jump Amount: 75 V Center Viewers	Praw Draw	Move off map *	Create QA/QC Shapefile 'X Add Polygon Issue Target: Add Rectangular Issue AdQC Issue 'D Add Circular Issue D Add Circular Issue D Delete Issue	Seamline Bo	undary Surface	QC	L Point Cloud
Navigation	offie 3D	Views	Issues	Analysis Al	Analysis Precision	Kasters -	Statistics
Navigation							

• ‡ •	Map Jump	Jump Amount:	Jump Amount	Ŧ	Center Viewers
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Views

Draw Profile	Move off map	Auto pans the map when the profile approaches the edge	Pan 3D with Jump
Draw 3D	Position in center of map	Pan 3D with Profile	

Issues

2	QA/QC Issue Editor		Add Rectangular Issue	Ľ	Add Polygon Issue	×	Delete Issue
	Create QA/QC Shapefile	Ċ	Add Circular Issue		Edit Issue	Target:	Target

Analysis



LP360 Tool Guide

(Updated for version 2024.2.66.0)

Point Cloud Stats	_ <u></u>	Seamline Analysis	Boundary Analysis	\bigcirc	Surface Precision	• • •	QC Rasters
	Ð	Point Cloud Stats					

Classification tab

Project	Sensor	Мар	Control Points	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support	
Source: Destination:	All Points (2 Ground	(System) 🔻	Classify	Small Rectan	gle 🚟 S angle 🌄 N	mall Circle	∽ Undo Classificati ∼ Redo Classificati	on on	Outliers	1 Tree
/Set Flags			within Polygon	Large Rectan	gie 💟 Li	arge Circle	Classify Non-Visi	DIE POINTS	Se	egmentation
	Filters				To	ools			Auto Class	sifiers (EXP)

Filters

Source: Source Destination:	Destination		Set Flags
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Tools

23	Classify within Polygon		Large Rectangle	\bigcirc	Large Circle	20	Classify Non-Visible Points
	Small Rectangle	0	Small Circle	2	Undo Classification		
	Medium Rectangle	O	Medium Circle	2	Redo Classification		

Auto Classifiers (EXP)

💦 Out	liers	•	Tree Segmentation
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Feature Edit tab

ſ	Project	Sensor	Мар	Control Points	Point Tasks	QA/QC	Classification	Feature Edit	Cloud Supp	ort					
	*	🍃 Create	Feature	Layer				undo 🗸	Redo	K Select/Edit	K. Reshape	Simplify	a Edit Powerlines	5	🔁 Schema Editor
		Active Fea	iture Laye	r: [None]		* 0-0		Save Edits	Discard Edits	Add	Split	 Respace 	Touble Line Drain		Feature Edit Options
	Select/Edit Features*	🛃 Surfac	e Mode			Create	Create From Selected*	X Delete Features		7 Delete	≫ Merge	🖒 Reverse	Create Seawall Feature	Feature Analyst	
	Selection					Features				Vertices	Geo	metry	Tools		Options

Selection



Features

*	Create Feature Layer	Z	Enable Auto-Z Constant Mode	\mathbf{N}	Undo	2	Redo
Active Feature Layer:	Active Feature Layer	*	Create Feature	8	Save Edits		Discard Edits
Z	Enable Auto-Z Surface Mode	T T	Create Feature from Selected	×	Delete Features		





Selected*	Selected Feature								
Buffer Geom	etry								
Union Geom	etry ometry								
Assemble M	ultipart								
Disassemble	Multipart								
Y Y	Create from Selected Feature	Ŀ	Buffer Geometr	у		Union Geomet	ry		Intersect Geometry
	Assemble Multipart		Disassemble Ge	ometry		1			
Vertices								_	
	Select/Edit		Add		$\overline{\mathbf{Z}}$	Delete			
Geometry									
	Reshape		Split		\gg	Merge		$\widehat{\mathbf{x}}$	Simplify
+	Respace		Reverse						
Tools									
遼	Edit Powerlines	* I	Double Line Dra	in	<u>+</u>	Create Seawall	Feature		
Options									
Q	Feature Analyst	E	Schema Editor			Feature Edit O	ptions		
Feature A	nalyst Dialog								
🚸 Feature An	alyst (Editing) < 202303131	Triana_Masterlis	t_AngledHOffsets	>		- 0	×		
Features Dar	tr Verticer		3 🖽 🔽 🛛	- - -	P 🖒 🗈	a 🖪 🖗 🍳	×		
Features: (To	otal: 38) (Selected: 1)		Filter: 🔍 [All C	olumns]	- C	ter filter text here	5		
V c	'iew Feature, Parts, r Vertices		Window Center	ing	₽	Show/Hide Descriptive Hea	adings	3	Export Feature Analyst Results to Shapefiles
I S it	elect/Move to 'First' em in list		Window Fitting					୭ ୧	Undo/Redo Most Recent Undone Edit
S 'I	elect/Move to Previous' item in list		Image Explorer	Toggle	ev iii	Show Feature A Options Dialog	Analyst	X	Delete Selected Items
it	elect/Move to 'Next' em in list		Analyze all Feat	ures	6	Refresh		Filter: 🔍	Filter by text in Field
S it	elect/Move to 'Last' em in list	2	Automatic Anal Features	yze of		Copy all rows in to clipboard	n list	5	Clear filter text/columns
Schams Editor	< E\\Training D₂t 2 ∨	1							
	ields: (Total: 4)								
-	Add a New Field		X	Remove	a Field		5	Modif	y Field Properties



Cloud tab

Project Sen	sor Map	Control Points	Point Tasks	QA/QC	Classification	Feature Edit	Cloud	Support
Folders Power Search t	Upload Downl o Cloud from C ata Managemei	oad Add Cloud loud Layer						

Data Management

?	Folders	<u>&</u>	Power Search	¢	Upload to Cloud	€ }	Add Cloud Layer
Q	Download from Cloud						

Support tab

Project	Sensor	Map	Contr	ol Points	Tools	Point Ta	sks	QA/QC	Classification	Feature Edit	Cloud	Support
	0	?		-	<u>ې</u>							
License Manager License	Check for Updates	Help	Upload To Support Help	Knowledge Base	About	Request a Feature Conta	Portal act					

License

\$	License Manager
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Help

<u>و</u>	Check for Updates	?	Help	Upload to Support	-	Knowledge Base
?	About					
Contact						

Request a Feature Portal
