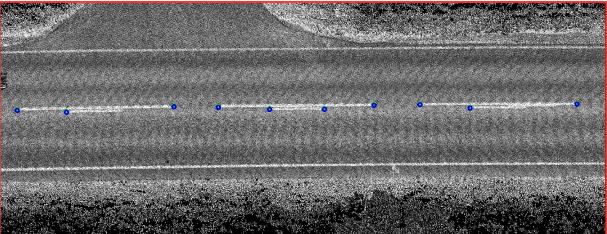
www.terrasolid.com

TerraMatch New Features

Arttu Soininen 13.09.2023

Paint Corner Search

- Search tie lines has option for searching paint corners
- Gives automatic observations for matching drive passes to each other in xyz
- Requires dashed paint lines (preferably between drive passes)
- Requires good intensity values

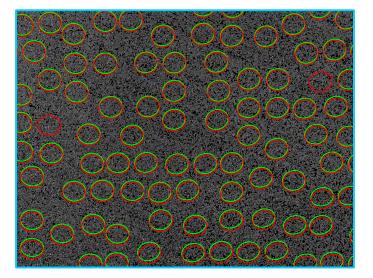


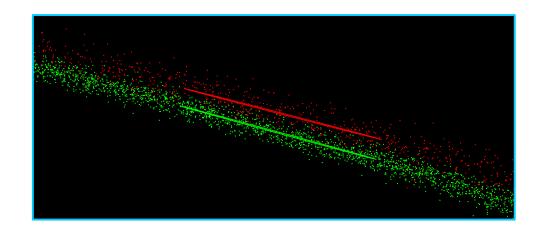
	Terra						
T Search tie lines				50	JIIG	×	
<u>F</u> ile							
Use:	Project poi	ints 🗸					
		rst/intermediate ech	olocations				
Laser project:		lantie matching\lase		ori			
		ults after each block			Browse		
Tie line density							
<u>S</u> pacing:	2.00] m					
Find vertical w							
Length:		m	Find group obj] m		
		m		0.100			
Max angle:		deg from vertical	Find paint line	s			
			Length:	4.00	m		
			Max angle:	2.00	deg from a	alignment	
Find flat grour	nd		Find surface lin	nes			
Direction:	Perpendicular		Direction:	Slope dir	ope direction		
Length:	1.00	m	Length:	3.00	m		
Depth:	0.25	m	Depth:	1.00	m		
Max angle:	1.00	deg from average	Max angle:	2.00	deg from a	iverage	
Find roof inter	sections		Find paint corr	ners			
Length:	3.0	- 40.0 m	Pixel size:		m		
Min width:			Laser footprint:	0.100	m radius		
Planarity:	0.100	m	<u>U</u> se:	Intensity		~	
Min slope:	8.0	degrees	Paint value:	24000	or higher		
Require:	2	observations		🔁 Only b	etween traject	tories	
ОК				[Cancel		

Plane Equation Tie Line Type



- New tie line type:
 - Plane fitted to circular area of points from one flight pass
 - Choose circle radius based on point density 0.2m to 2.0m





Find Mirror Angle Correction

POINT CLOUD INTELLIGENCE

- Solves correction curve for mirror angle (left-right angle being off)
- Mirror angle flaw can be seen as a smiling face or as a sad face effect
- Correction curve can fix for non-symmetrical mirror angle flaw

|--|

Find Mirror Angle Correction × Mirror Angle Result	
Use classes: 2 - Ground v >>	
Observe every: 23 th point -37	38 +0.100
Angle limit: 5.00 deg (pulse _plane normal)	
Ignore limit: 1.00 m or larger shifts	
Correction for: Skip central part	
Skip from: -20 To: 20 deg	0.000
Irajectory dir: D:\dowdy\trajectory\ Browse	
OK Cancel	-0.100