Riegl TLS Field Operation Manual and Workflow 786 Chris Crosby, January 31, 2014, RIEGL, Technical How-To, 3651

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1. Field Set Up
2. Scanner Set Up
3. RiScan Pro – Pre-Scan Set Up
4. Scan Position Set Up
5. Collecting Data
6. Finding and Fine-Scanning Tie Points
7. Shutting Down and Moving Scanner
8. Scan Registration
9. High Resolution-Area of Interest Scan
10. Tie Point Convergence Inspection (trouble shooting)
11. General Trouble Shooting in the Field

12. End of the Day Wrap-Up
13. Appendix A: GPS
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This manual was developed by UNAVCO staff to document our best-practices for Riegl terrestrial laser scanner field operation, data collection, and initial data processing. This document is for a tie-point based workflow, using the Riegl VZ400 (but should also be largely applicable to the Z620 and VZ1000 scanners as well).
This document should be detailed enough to guide a user through the standard data collection workflow, and we recommend it as a resource for UNAVCO community members working with UNAVCO Riegl scanners.
Riegl TLS Field Operation Manual and Workflow (PDF)
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