

TRIMBLE PIVOT RTX-PP APP TECHNICAL NOTES



The Trimble® Pivot RTX-PP App is designed to perform absolute position estimation and coordinate integrity monitoring in postprocessing mode using the Trimble RTX™ technology. The Trimble Pivot RTX-PP App operates on the Trimble Pivot™ platform, the foundation for multiple Infrastructure apps that serve various markets and their specific needs.

TRIMBLE PIVOT RTX-PP APP

The Trimble Pivot RTX-PP App completes the Trimble Infrastructure apps portfolio of absolute positioning techniques by providing a postprocessed solution.

The Pivot RTX-PP App provides highly accurate position computations based on the RTX postprocessing technique. This enables precise determination of initial coordinates for a Continuously Operating Reference Station (CORS) or for measurements of displacements after station movement.

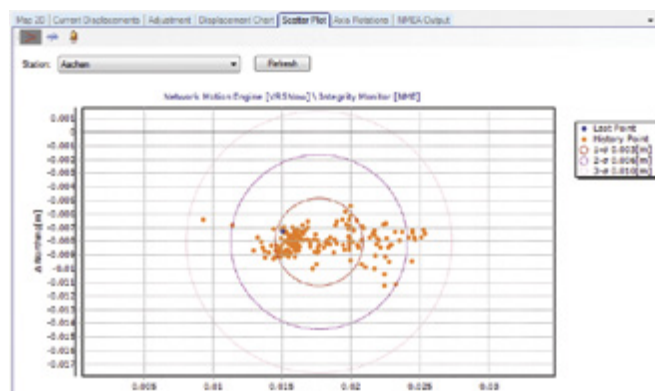
Station Code	Status	Solution	Order	Epochs	Δ Northing [m]	Δ Easting [m]	Δ Height [m]	Δ 3D
SBS	OK	Fixed	Precise	184	0.264	0.193	-0.021	0.328
SFT	OK	Fixed	Precise	385	0.249	0.189	0.020	0.362
SUAF	OK	Fixed	Precise	381	0.231	0.163	0.028	0.299
SOGG	OK	Fixed	Precise	385	0.243	0.175	0.022	0.304
SOLT	Processing	53%	Precise					
STAD	Not processed	0%	Precise					
STAF	Not processed	0%	Precise					
STOC	Not processed	0%	Precise					
STUM	Not processed	0%	Precise					
SUDE	Not processed	0%	Precise					
THAJ	Not processed	0%	Precise					
UTTS	Not processed	0%	Precise					
WBD	Not processed	0%	Precise					

Trimble Pivot RTX-PP App

PIVOT RTX AND RTX-PP PAGES IN TRIMBLE PIVOT WEB APPLICATION

The Trimble Pivot platform includes a basic web installation. Some licensed apps add their own web pages providing additional functions. Pivot RTX and RTX-PP Apps each provide their own scatter plot web page, which allows an operator to publish the quality of any reference station position.

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Position Scatter Plot page

TYPICAL APPLICATIONS

- Detection of absolute movement, e.g. after an earthquake
- Time series of position changes, e.g. during an earthquake
- Highly accurate determination of station coordinates
- Tectonic movement detection

The Trimble Pivot RTX-PP App supports different processing modes: static or kinematic. The static mode enables users to receive highly accurate absolute positions while the kinematic mode allows users to process data to obtain position measurements during periods of station movement.



ORDER INFORMATION

Default Configuration	Part Number
Trimble Pivot RTX-PP App	96807-10

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