Table 1. Toolbox overview

	Orion GNSS Toolbox 2.05	Constell Constellation Toolbox 3.02	GPSoft SatNav Toolbox v. Feb 98	Navsys GPS Signal Simulation Toolbox
MATLAB version	5.x	5.x	4.2c, 5.x	4.2C
Platforms	PC, can coerce for Mac/Unix	PC, can coerce for Mac/Unix	PC, can coerce for Mac/Unix	PC, can coerce for Mac/Unix
Library m-files	68	68	30 m files	118
Tutorial m-files	7	7	26 m files	9
Demo m-files	34	34	x	11
Space (32 kB blocksize)	2.88 MB	2.88 MB	266 kB	1.29 MB
Support	1 year, free, e-mail	1 year, free, e-mail, web	1 year, free, email	1 year, free, e-mail
Copyright	repay each copy	repay each copy	repay each copy	unknown
Upgrades	call	call	call	call
	(tutorial and demos were in separate directories)	(tutorial and demos were in separate directories)	(all in one directory, examples started with *ex*)	(three subdirectories: *geo* for coordinates, *sat* for satellites, and *signal* for the rest)

Table 2. Organization and documentation

	Orion GNSS Toolbox 2.05	Constell Constellation Toolbox 3.02	GPSoft SatNav Toolbox v. Feb 98	Navsys GPS Signal Simulation Toolbox
Purpose/problems	Y	Y	Y	Y
Programming tutorial	Y-WD	Y-WD	Y-WD	Y
Conventions	Y	Y		
GPS theory			Y	
Calling tree summary	Y	Y		
On-line help				
Input/outputs	Y	Y	Y	Y
Algorithm reference	Y	Y	Y	
Contents.m	Y	Y-WD		Y
Look for 1st H-line			Y	
See-also	Y	Y		
Reference organization				
Alphabetical	Y	Y	Y	
Subject				
Indexes			Y	

Table 3. Implementation

	Orion GNSS Toolbox 2.05	Constell Constellation Toolbox 3.02	GPSoft SatNav Toolbox v. Feb 98	Navsys GPS Signal Simulation Toolbox
Vectorized	Y	Y-WD		Y
Error checks	Y	Y-WD		
Outages and gaps	Y	Y		
Document tricks	Y-WD	Y-WD	Y	
Chunking/memory		Y *		
Correct ECEF, WGS 84	Y	Y	Y	Y
Platform+ver test		Y		

Note: Subcategories that no vendors currently support but are of interest to the community include global controls and self version test.

* At the time of this review, a chunking/memory demo was not shipped with the package but was available on the web site.