

## Geomatica 10.2.1 / SAR Polarimetry Workstation 2.1

PCI Geomatics is pleased to announce the release of Geomatica version 10.2.1. With the Geomatica v10.2.1 release, PCI has implemented customer enhancement requests as well as addressed a number of common technical support issues to help clients be more productive.

### Supported Platforms

Geomatica version 10.2.1 will include support for the following platforms:

- Microsoft® Windows® 2000, 2000 Server, 2003 Server, XP, and **Vista**
- Linux SUSE 9.3, Red Hat Workstation 4 (Requires Open Motif 2.2)

*NOTE: The SAR Polarimetry workstation and it's capabilities are only available on Windows systems.*

### Fixed Issues

The following table lists issues reported by customers since the release of version 10.2; they have been fixed in Geomatica Version 10.2.1.

ID	Description
59727	Generate Preview in Automatic Mosaicking tree list incorrect
59778	VIMAGE count shows different results than Focus statistical overlay
60258	No PRJ file created when translating PIX to SHP
60265	CEOS format data not opening in V10.1 Focus but opens in V10.0.3 Focus
60343	Aster L4A01 data import fails
60396	Aster L4A02 georeferencing wrong in Focus
60700	Histogram statistics under bitmap wrong
61004	Vista File not deleted or overwritten
61052	autogcp can't perform image guessing
61082	autofiducial collection fails V10.1
61702	Unable to open MODIS HDF file in Focus worked V10.0.3
62189	NNTRAIN fails in Algorithm Librarian / Modeler
62476	ARRWRIT crashes on invalid output format specifier
62485	[AUTOMOS] – produces corrupted cutlines vector pix files
62488	[AUTOMOS] - incoherent behaviour of the color balancing - HISTOGRAM method
62556	Running ISOCLUS and receive error "too big to fit in buffer" in Log Panel
62669	All Bitmap Logical Operations Fail
62707	Import exterior orientation must be a text file
62733	DWCON flow direction bug zero values
62741	Fortran runtime error on LUTREP
62901	Synth modeler example brakes
63054	Focus label bug NODATA values being displayed
63117	stitch WorldView-1 1B data not working
63246	Display problem when Labels created that don't include NoData
63303	Radarsat-2 open directly using product.xml no data input in OE
63326	Radarsat-2 16S image layers read as 16U in OrthoEngine Focus
63334	Radarsat-2 SLC unable to view intensity channels in GCP collection
63361	WorldView slow dem extraction many failed areas
63386	MDA has problems translating MrSID 3rd Gen to pix
63448	Radarsat-1 ScanSAR Wide gain offset segments not created

# Release Notes

ID	Description
63642	focus/OrthoEngine crash when viewing Radarsat-2 imagery
63694	Focus crashing when opening the RS2 - product.xml file
63696	IMSTAT error for HIS and HISDUMP
63748	Radarsat-2 create preview file freezes OrthoEngine
63882	CRPROJ breaks in modeler example.
63893	Focus V10.1.4 crashed when trying to open a V10.2 .gpr
64002	Focus changes pixel spacing when exporting .pix to ERMAPPER .ers
64010	OE not behaves properly with GCPs collection
64069	PSGIMAG giving error
64101	SARGE0 Parameter RESAMPLE has invalid value.
64105	Define Clip Region fails in OrthoEngine
64107	LUT editor still broken wrong DN values on X Axis
64130	Attribute Manager crashes when fields are deleted and geometry fields created
64139	File Selector does not react as it should
64140	Linux Import cutlines is crashing OE
64183	Selecting drawing recode does not work
64237	MTO .gpr does not open anymore
64274	Problem in opening a geocode image inside OE
64335	Information tool (I-tool) is not finding rasters under cursor anymore.
64474	REDUCE is not using the Mask parameter when it is set.
64533	Focus crashes when accessing WMS through remote data connection(LX)
64549	Changes to labels affecting additional labels for same vector
64591	OE - Define clip region - Application Terminated due to unknown exception
64697	IMERGE is not accepting Ellipsoid parameter
64743	Export attribute in xls format - adding records when selected
64744	VECREP getting incorrect filed size for STRING data types
64761	Wrong placement of grid-headings (labels)
64796	GDB should support Kompsat-2 pansharpned product.
64805	Focus should use magnitude to display RSAT-2 data
64811	Divyesh has problems orthorectifying - aerial project
64836	ClipSubset in Focus is not using shape boundary from a bitmap correctly
64861	PROSET does not write projection parameters to geo segment
64865	AUTOTIE is not working in Modeler
64872	IMGFUSE has an error during processing and produces a blank image.
64875	IMGLOCK has an unknown error during processing.
65020	OE - Export cutlines doesn't work
65021	GCPREFN2 in EASI does not work
65114	RSAT-2 Calibration type can't recognize when LUT are not provided.
65229	EASI FFTMPOLY with irvine.pix does not work
65255	GCPREFN2 is not working in Modeler, parameter WRITECP has wrong value
65298	RCSTATS is not working correctly incorrect max() value
65308	Focus Crashes with TerraSAR-X xml file
66150	Geocode Extracted Epipolar DEM georeferencing inaccurate
66293	Problems with AutoGCP collection
66315	SCALE bug SFUNCTusing power function fails
66316	LUTREAD truncate my values from 65-255 to 0
66327	Radarsat-2 uncalibrated standard data loaded as 32R
66346	Problems with Rotation
66347	Problems with GCP collection panel
66350	Compute Model bug in OE
66390	Table join to Access MDB file fails in Focus attribute manager
66406	ASAR ACS wide swath data mirrored east / west in output ortho

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66410	Problem running tassle TM license bug
66465	AUTODEM creates image with only background value when Fill Holes is on.
66496	Radarsat DEM output to 16 bit
66627	Geomatica applications crash when attempting to access the help
66671	Problems using GeoTIFF with world file
66748	Fatal error appears when user attempts to register a GCP with geocoded vector
66824	Formosat L1A Orthorectification no orbital info
66835	Need to increase independent number of looks maximum CHDET to > 10
66916	When a new file is created with fewer channels, default RGB in are incorrect
66923	Focus crashes when remove and save a large 32r image containing a shape
66939	Holes in an ingested IKONOS pasharpened scenes
66943	Combination of rfmodel and ortho errors in focus/modeler
66947	DEM from PRISM bumps depressions score value 0 areas filled
66982	Imerge2 fails when generating tif images
67009	GeoEye - RFM segment named incorrectly in focus
67055	TerraSAR-X SSC strip map data flipped Radar specific model in OE
67063	Focus crashes when save samples vector layer in Accuracy Assessment.
67104	Focus does not produce an output when running PCA
67179	Translating a PCIDSK file with TM D217 to Shp does not preserve projection.
67294	OE is not orthocorrecting raw mosaic image

The following table lists issues reported by customers since the last release of the SAR Polarimetry Workstation; they have been fixed in SPW Version 2.1.

ID	Description
60306	PALSAR import problems in modeler and orthoeng
63791	PSINGEST layers 9 -12 labelled incorrectly INTENSITY -> AMPLITUDE
63997	Problems with PSGIMAG in Algorithm Lib
64493	PSUSWIS crash when using output from PSFREDUR & PSCLOPOT
65853	PSSWIS failed error reading target file
66641	PSINGEST has a problem with temp files
66850	Corrupted overviews in SPW PSLTD and PSDTL
66862	psintens pol parameter is case sensitive.
66866	duplicate channel 12 and 13 and negative anisotropy values in PSEABA
66873	PSPOLSYN writes square of correct output for S4 and S3 input (error in MDA alg)
66879	PSWHITE fails with numeric error on S3 input even though S4 is OK
66922	PSTOUZIDIS errors in output
66992	PSINANG does not recieve the incident angle data from PSINGEST
66993	PSINTEN does not work correctly in Modeler, source file is not updated
66994	PSPOLSYNC, PSPOLSYNR have problems on recievieing the bitmaps
66998	PSSSCM only outputs 1 channel when it should output 6 channels and 1 bitmap
66999	The input bitmap port in PSSSCM is supposed to optional but PSSSMC errors
67020	SPW - PSWHITE exception while accessing a temp file
67050	PSINTEN 'few incoming layers' for s3c
67073	PSPOLFIL default 'Number of Looks' should be different than 1.
67083	PSPOLDIS does not save the output
67137	PSINGEST does not save filename correctly
67142	PSINTEN model has unknown exception if run several times
67143	PSPOLSYN never starts with this image (863 P by 961 L).
67156	PSWHITE does not transfer the georeferencing info to the output
67189	PSCLOPOT one critical parameter is not critical in 10.2.1
67198	SPW PSINANG does not run in this SGF image ...

## Known Issues

The following table lists issues with version 10.2.1 of Geomatica that we are currently working on, and should be fixed by the next update release, version 10.3.

ID	Description
46810	Import large ASCII file fails using Import ASCII Table/Points in Focus
48438	Error using MLC in XPACE & EASI, but no problem in FOCUS
51062	Error when reading in OS MasterMap GML data
53632	Signature seperability bug - reports 2.0 for the entire matrix
55198	Export GeoJP2 georeferencing absent in ERMapper
59269	Data accessed through WMS not displaying properly colors bad
59494	Focus map view lon\lat grid degree symbol overlaps numbers
59520	Client Machine keeps keeps looking for license, causes client to lock up
59720	Problems loading WMS images in Focus Web Map Server
59899	Batch problems mixed point line polygon SHP file fails
60044	We should add Scroll Zooming feature in Focus using th mouse wheel
60335	LUT editor mask: reverts to current view when panning
60816	REPROJ bug EASI reprojecting vectors IG10TMGRS80 to Long/Lat
61355	Export PIX vector to Mapinfo TAB UTM projection missing in output
61535	Confusion Matrix in classification accuracy assessment is wrong
62208	Focus/ OrthoEngine viewers minimized Windows Toolbar cannot restore
63356	Raster calculator EASI modeling freezes Focus
63695	Problems reading IMG file in Focus
66139	PSINGEST - very high values in SPW
66534	Data Execution Prevention DEP error Vista 64-bit V10.1
66611	Focus crashing on Windows Vista 64 bit machine
66918	Cannot import IRS P6 LISS3 AWIFS data on Red Hat and Ubuntu Linux
66997	Negative Transformed Divergence and Very High Bhatt Distance
67003	Plot Ellipse problem in Sup Classification
67191	Reported shear lines and movement in reprojected image
67455	Vector attribute editing problem on Linux