

ADULTICIDING

Quick Reference Guide for ArcPad 8 & 10

GPS Position Window



The GPS Position window displays a rich variety of information about the GPS satellites, position coordinates, and navigational information. The information is spread across for tabs: Data, Skyplot, Compass, Quality and Debug.

GPS Position Coordinates

Tap and hold the coordinate display to change the coordinate system:

- Map Projection
- DMS (ddd°mm'ss.sss")
- DMM (ddd°mm.mmmm')
- DD (ddd.ddddddddd°)
- UTM (Universal Transverse Mercator)
- WGS84 DMS (ddd°mm'ss.sss")
- WGS84 DMM (ddd°mm.mmmm')
- WGS84 DD (ddd.ddddddddd°)
- MGRS (Military Grid Reference System)

GPS Mode

- No Fix: No position
- 2D: x,y position
- 3D: x,y,z position

DGPS 2D/3D: Real-time Differential GPS
 SBAS 2D/3D: Real-time Differential GPS from a Satellite-Based Augmentation System such as WAAS

RTK fix/flt: Real-Time Kinematic fixed or float solution

PPS 2D/3D: Precise Positioning Service

Elevation

Tap and hold the elevation display to change units:
 Altitude (meters or feet)
 Depth (meters or feet)

Navigation Information

SOG: Speed Over Ground
 Tap and hold the COG display to change the reference:

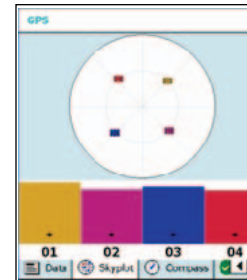
- TCOG: True North Course Over Ground
- MCOG: Magnetic North Course Over Ground

DST: Distance to destination
 BRG: Bearing to destination

Position Measure of Quality

Tap and hold the display to change the measure:

- PDOP: Position Dilution of Precision
- HDOP: Horizontal Dilution of Precision
- TDOP: Time Dilution of Precision
- HPE: Estimated Horizontal Position Error
- VPE: Estimated Vertical Position Error
- EPE: Estimated Position Error
- SATS: Satellites used in solution
- DAGE: Differential data age
- DSID: Differential reference station ID



Satellite Skyplot

This shows the almanac of satellites that should be available.

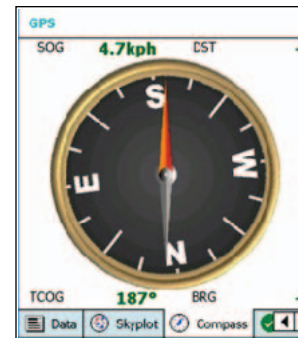
Black outlined: Available and used for calculating the GPS position

Colored with no outline: available but not used

Gray: Unavailable

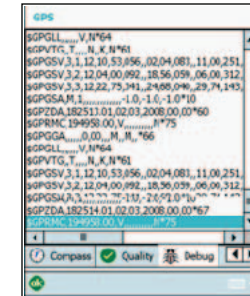
Signal Chart

Shows a vertical Bar chart of the PRN numbers and relative signal strengths of the satellites in the almanac. An asterisk (*) indicates the satellites used for calculating the GPS position.



Compass

The compass shows the GPS direction with a black arrow and the direction to destination in red.










Debug







This feature shows the GPS data being received from GPS.






GPS Status Bar













The GPS status bar is a translucent window that displays over the top of your map. The background color of the GPS Status Bar indicates the current conditions of the GPS measurements according to the alerts that have been defined in ArcPad. A green background indicates that the quality is acceptable according to the set alerts, yellow indicates that the quality parameters are not met, and red indicates no fix.









Main Toolbar		
	Zoom In	Zoom in to an area using the pen.
	Zoom Out	Zoom Out to an area using the pen.
	Full Extent	Zoom to the full extent of the map
	Zoom to Fog Route	Zoom to Rout screen.
	Track my GPS Location	Zooms and centers the map on the current GPS location.
	Find Site	Allows a search by site name or ID.
	Refresh Map	Forces map to re-draw.

Adulticiding Toolbar		
	Select Tool	Allows selection of mosquito sites
	Status	Returns to the Status/ Logging screen.
	Stop Activity/ Session	Stops the current activity.
	Time in Activity	Verify the length of time in the current activity.
	Feature Properties	View and edit selected fogger point or line.
	Exit	Used to exit Sentinel GIS.

Zoom In Drop-Down		
	Zoom In	Zoom in to an area using the pen.
	Fixed Zoom In	Zooms into the center of the map by 25%.
Zoom Out Drop-Down		
	Zoom Out	Zoom Out to an area using the pen.
	Fixed Zoom Out	Zooms out of the center of the map by 25%.
Full Extent Drop-Down		
	Full Extent	Zoom to the full extent of the map.
	Pan	Tap and hold to drag the map in any direction.
	Previous Extent	Zoom back to previous extent you were using.
	Next Extent	Zooms forward to the next extent in the history.
Zoom to/Track Location Drop-Down		
	Track my GPS Location	Zooms and centers the map on the current GPS location.
	GPS Preferences	Allows adjustment of GPS options
	GPS Position Window	Displays Satellite locations
	Restart GPS	Restarts the GPS connection.

	GPS Correct	Only visible if the extension is installed.
	Rotate Map	Allows rotation of the map any direction with the pen.
	Clear Rotation	Clears any rotation of the map.
Find Drop-Down		
	Find Site	Allows a search by site name or ID.
	Chemical Calculator	Allows calculation of chemical to be applied.
	Identify	Identify preset layers.
	Measure	Measure area or straight line distance.
	Radial Measure	Measure circular area.
Select Drop-Down		
	Select Tool button	Allows selection of mosquito sites
	Clear selection	Clears current selection.
Exit Drop-Down		
	Exit	Used to exit Sentinel GIS.
	Information	Information regarding Sentinel GIS

Command Bar		
	Lock	Disable the ArcPad application from pen or mouse input.
	Save Geometry	Save geometry changes to an existing feature.
	Proceed to attribute capture	End the geometry capture of a new feature and proceed to capturing the feature's attributes.
	Undo	Undo the last edit name to a feature.
	Pen Toggle	Enable or disable use of the pen for capturing new features.
	Cancel	Cancel edits to an existing feature's geometry, or cancel capture of a new feature.