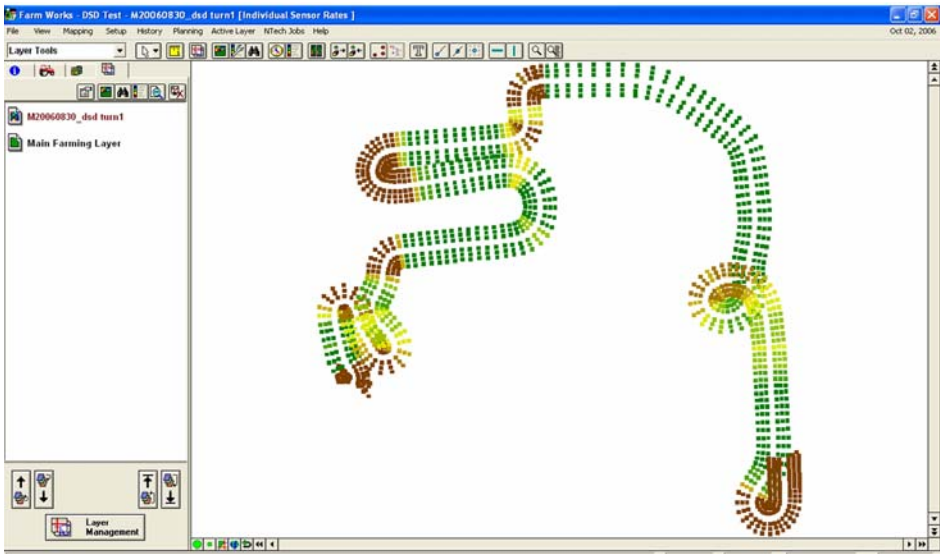
# GreenSeeker® RT220
# High-Resolution Mapping System

## GreenSeeker RT220 Mapping System

The GreenSeeker RT220 Mapping System uses the same equipment as the RT200, but uses a different piece of software on the Recon pda: "*RT Commander-Discrete Sensor Data*" to collect data from each sensor individually. The normal configuration is six sensors, though more sensors can be added. To create a map with the data after it's been collected, NTech offers *NTech Desktop Mapper,* which will generate the maps, and can also export with the data combined into a single data column Shape file set.


***NTech Desktop Mapper provides the means to map a shaped file containing individual sensor data from GreenSeeker Sensors. Six point are plotted at each location to achieve higher spatial resolution.***

### *Optional High-Resolution Mapping with the RT220 System*

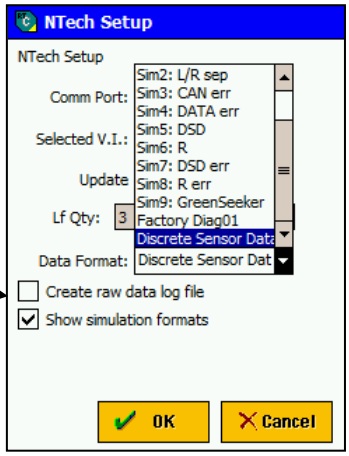
The version of RT Commander for the RT220 has additional functionality for high-resolution data collection. High-resolution maps using discrete sensor data are produced from "Mapping" Jobs. If an "Application" Job is selected, then a standard map is produced with a single value at each Sample point. The high-resolution function is enabled from the NTech RT200 Setup window.

*Setup > NTech RT200 Setup...*


### *Enabling High-Resolution Mode in RT Commander*

"Discrete Sensor Data" must be selected as the RT200 Data Format in RT Commander to enable this output mode.

*Setup > NTech RT200 Setup...> Data Format: Discrete Sensor Data*

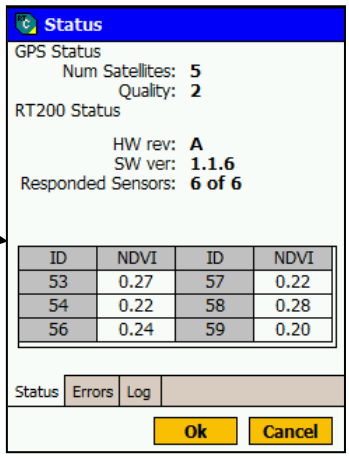



*Note: In version 1.3.3,you must check the "Show simulation formats" box in order to see the Discrete Sensor Data mode.*

### *Verifying High-Resolution in RT Commander*

The status screen displays *the Sensor value from each sensor* and includes a data column for each sensor in the output files.

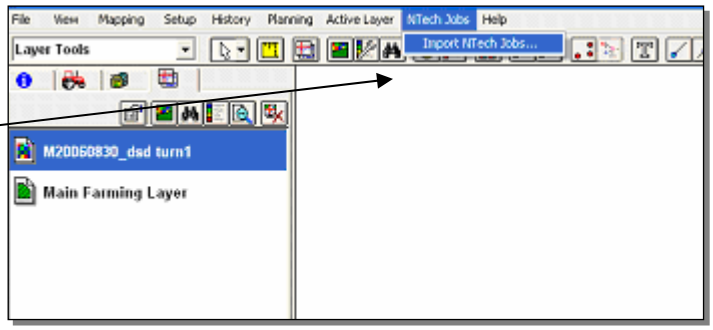
*Status > Show Status*



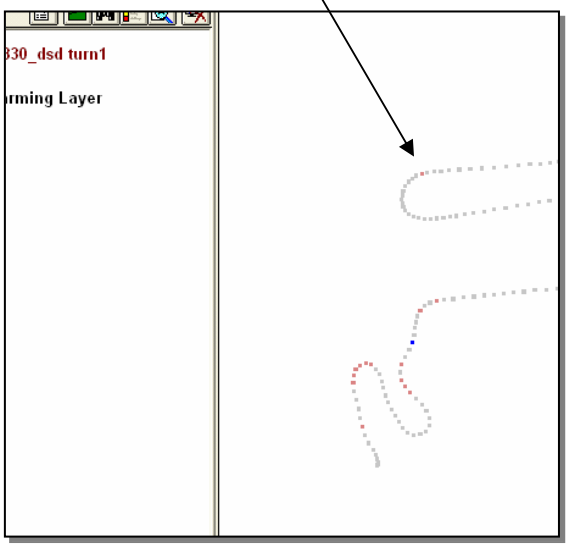
### *Mapping High-Resolution files*

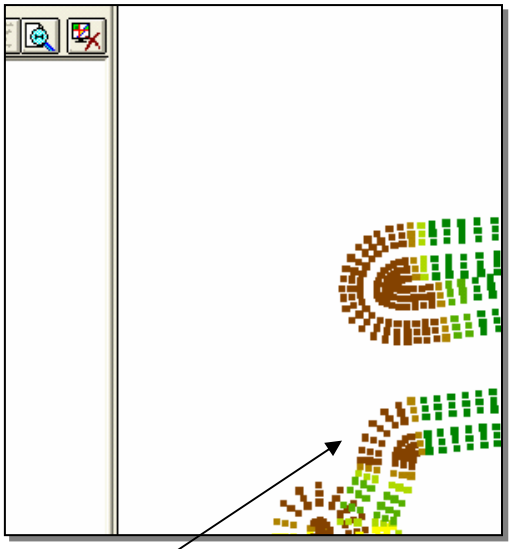
The files may be interpreted and mapped using the NTech Desktop Mapper program (written and supported by Farmworks/CTN Data Systems).

To map hi-res data from GreenSeeker sensors, use the *Import NTech Jobs…* menu option.




A portion of the path traveled is indicated in this parameter map.



In this close-up, data from six sensors arrayed on the boom are visible. The import screen accepts the locations of each sensor and the boom (in inches) relative to the GPS and the center of the rig.

### *Design Revisions*

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