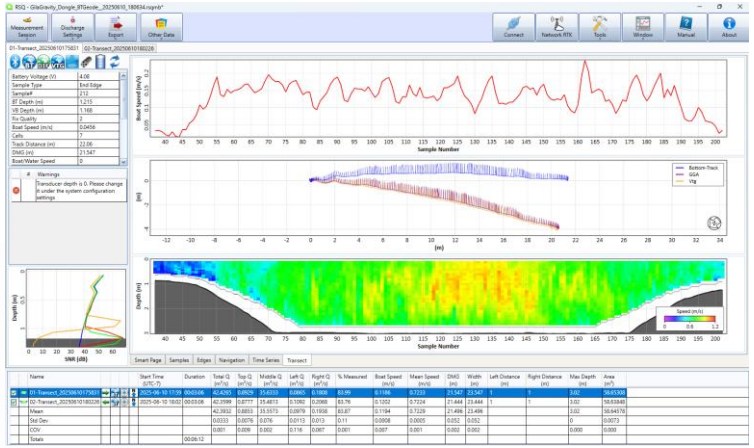
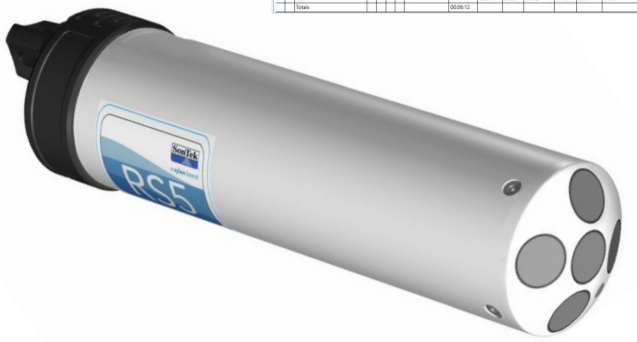
xylem

Unlocking the Power of RSQ:

Feature-Rich Performance with the SonTek-RS5

Xue Fan, Xylem Analytics Dealers' Meeting 2025





RSQ 3.2

New Features and Added Benefits

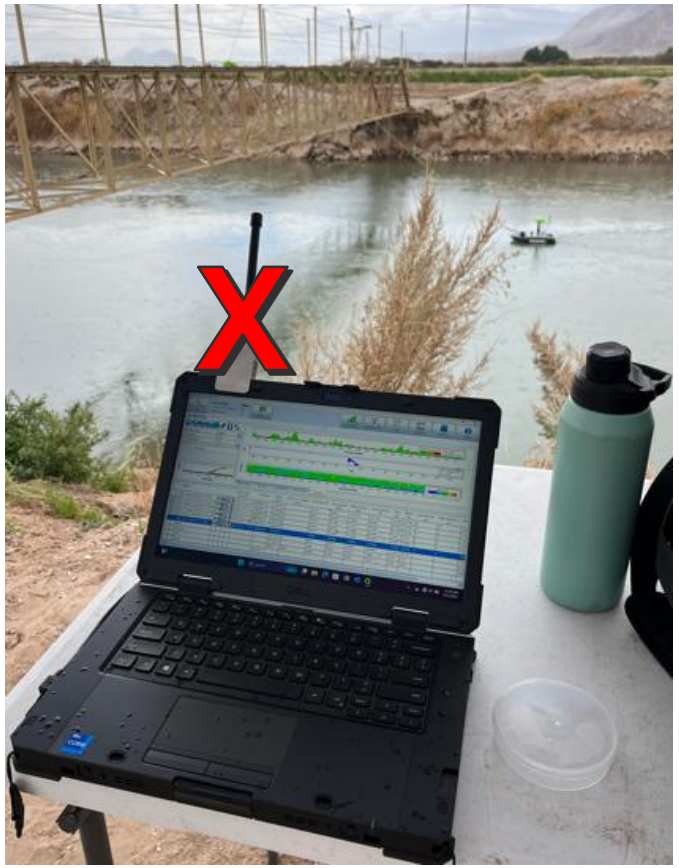
xylem

RSQ: New Features and Existing Benefits

1. Features in newly-released RSQ 3.2
   - use PC bluetooth (no dongle)
   - Other software improvements/bug fixes
2. Benefits Setting RSQ Apart
   - Beam switching
   - KML Exports
   - Sub-section measurements
3. Using RSQ on Existing M9 files
4. Coming Soon: Bluetooth to GNSS and Stationary Improvements

xylem

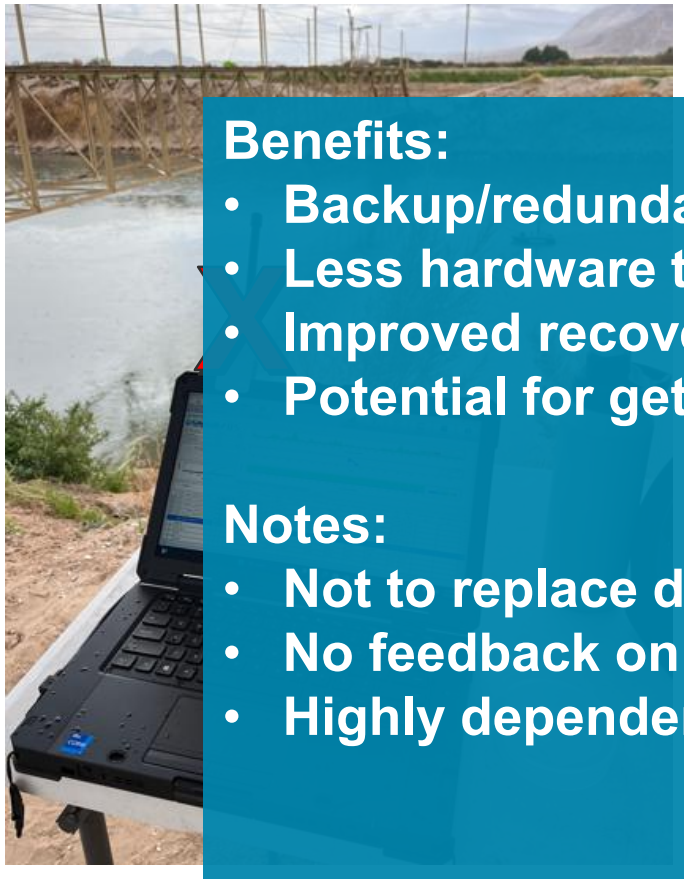
RSQ 3.2 – New Features and Added Benefits



1. **PC Bluetooth (no dongle required)**
2. Compass Calibration start delay
3. USGS Extrap automatically applied to Moving Boat and Stationary measurements
4. Made GNSS/BT loss more obvious
5. Stationary: include magnitude method
6. Fixed some critical crashes (during compass calibration and Stationary measurements)

xylem

RSQ 3.2 – New Features and Added Benefits



1 PC Bluetooth (no dongle required)

Benefits:

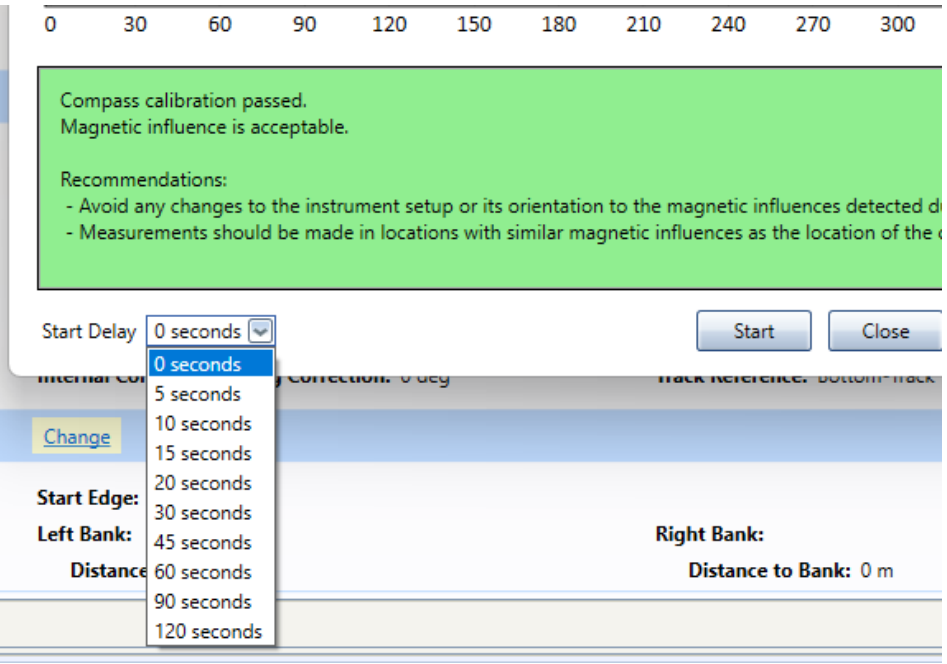
- **Backup/redundant communication mode (if dongle is lost/damaged)**
- **Less hardware to attach/damage/lose**
- **Improved recovery of connection if lost**
- **Potential for getting maximum range (highly dependent on laptop used)**

Notes:

- **Not to replace dongle – dongle range will always meet the specification**
- **No feedback on communication quality**
- **Highly dependent on laptop Bluetooth stack (Windows 10+ required)**

xylem

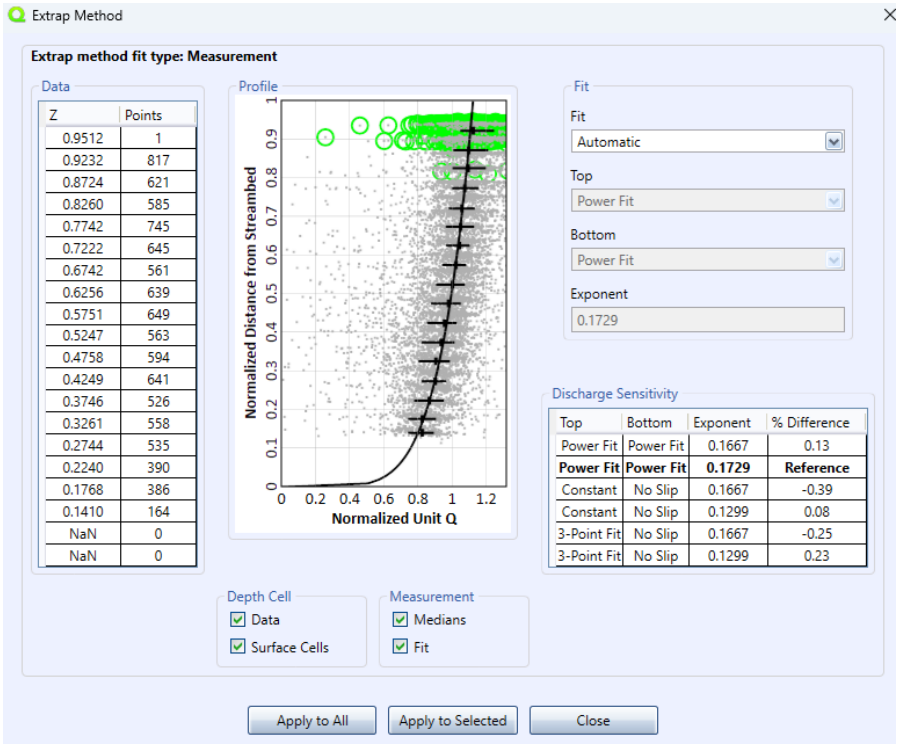
RSQ 3.2 – New Features and Added Benefits



1. PC Bluetooth (no dongle required)
2. **Compass Calibration start delay**
3. USGS Extrap automatically applied to Moving Boat and Stationary measurements
4. Made GNSS/BT loss more obvious
5. Stationary: include magnitude method
6. Fixed some critical crashes (during compass calibration and Stationary measurements)

xylem

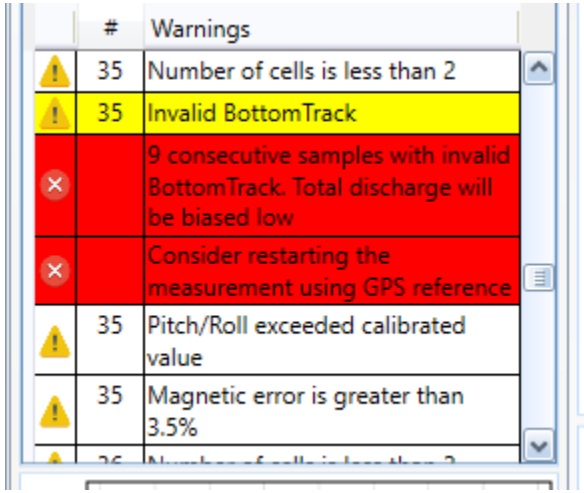
RSQ 3.2 – New Features and Added Benefits



1. PC Bluetooth (no dongle required)
2. Compass Calibration start delay
3. **USGS Extrap automatically applied to Moving Boat and Stationary measurements**
4. Made GNSS/BT loss more obvious
5. Stationary: include magnitude method
6. Fixed some critical crashes (during compass calibration and Stationary measurements)

xylem

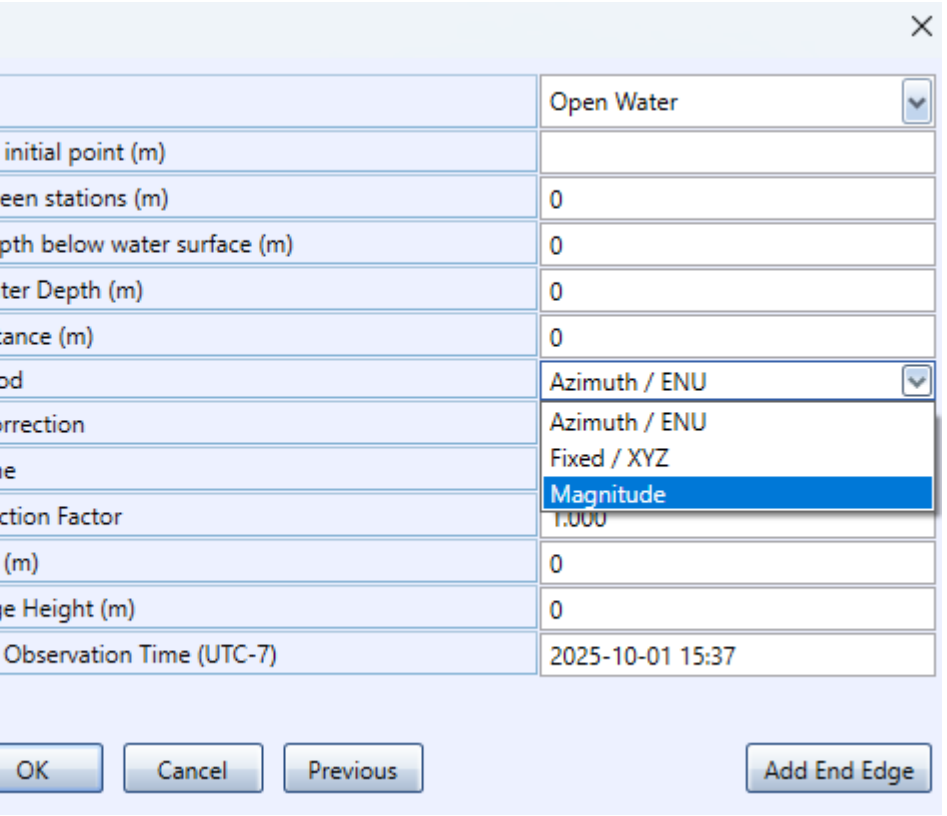
RSQ 3.2 – New Features and Added Benefits



1. PC Bluetooth (no dongle required)
2. Compass Calibration start delay
3. USGS Extrap automatically applied to Moving Boat and Stationary measurements
4. **Made GNSS/BT loss more obvious**
5. Stationary: include magnitude method
6. Fixed some critical crashes (during compass calibration and Stationary measurements)

xylem

RSQ 3.2 – New Features and Added Benefits



1. PC Bluetooth (no dongle required)
2. Compass Calibration start delay
3. USGS Extrap automatically applied to Moving Boat and Stationary measurements
4. Made GNSS/BT loss more obvious
5. **Stationary: include magnitude method**
6. Fixed some critical crashes (during compass calibration and Stationary measurements)

xylem

RSQ 3.2 – New Features and Added Benefits

1. PC Bluetooth (no dongle required)
2. Compass Calibration start delay
3. USGS Extrap automatically applied to Moving Boat and Stationary measurements
4. Made GNSS/BT loss more obvious
5. Stationary: include magnitude method
6. **Fixed some critical crashes (during compass calibrations and Stationary measurements)**

xylem

RSQ: What Sets it Apart?

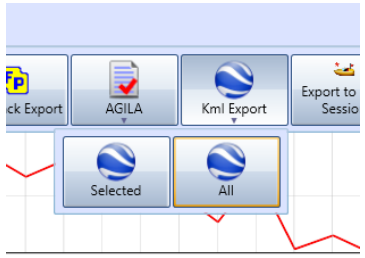
RSQ: What Sets it Apart?

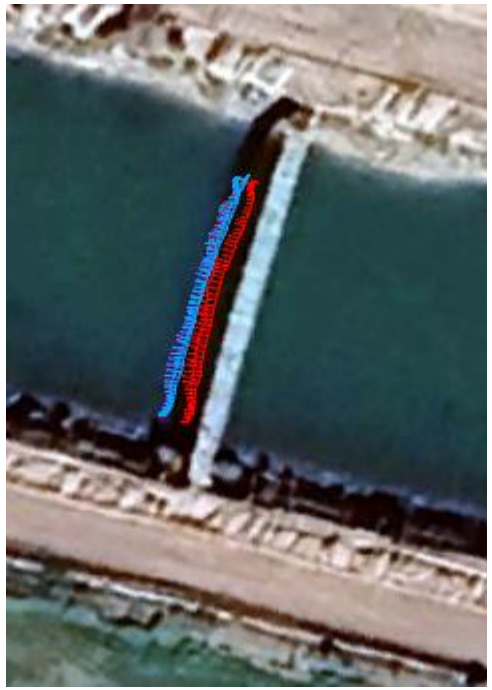
1. **Beam Switching**
2. KML Exports – Google Earth
3. Sub-sectioning a Measurement

Footnotes, references, citations here if needed

Chapter slide

Quisque vestibulum, dolor sit amet mollis sollicitudin





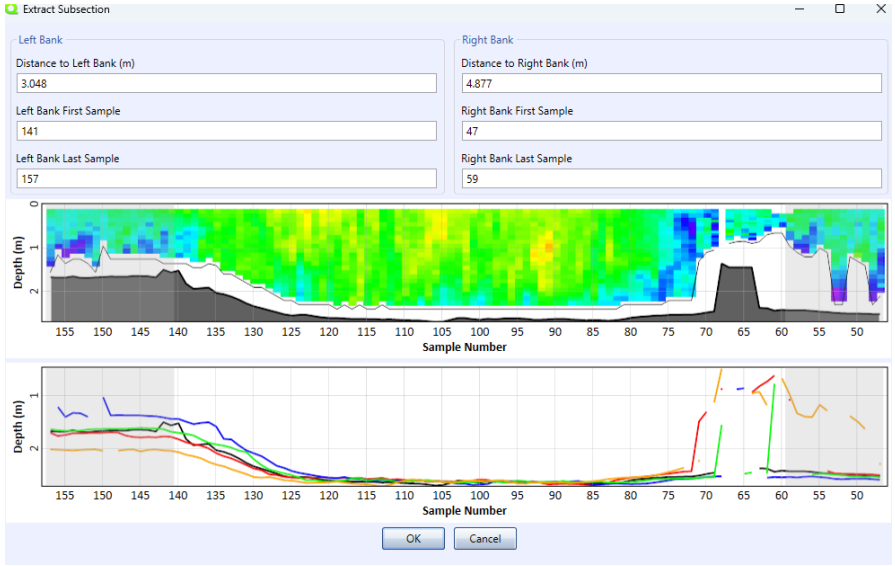
1. Beam Switching
2. **KML Exports – Google Earth**
3. Sub-sectioning a Measurement

Footnotes, references, citations here if needed

xylem

Chapter slide

Quisque vestibulum, dolor sit amet mollis sollicitudin



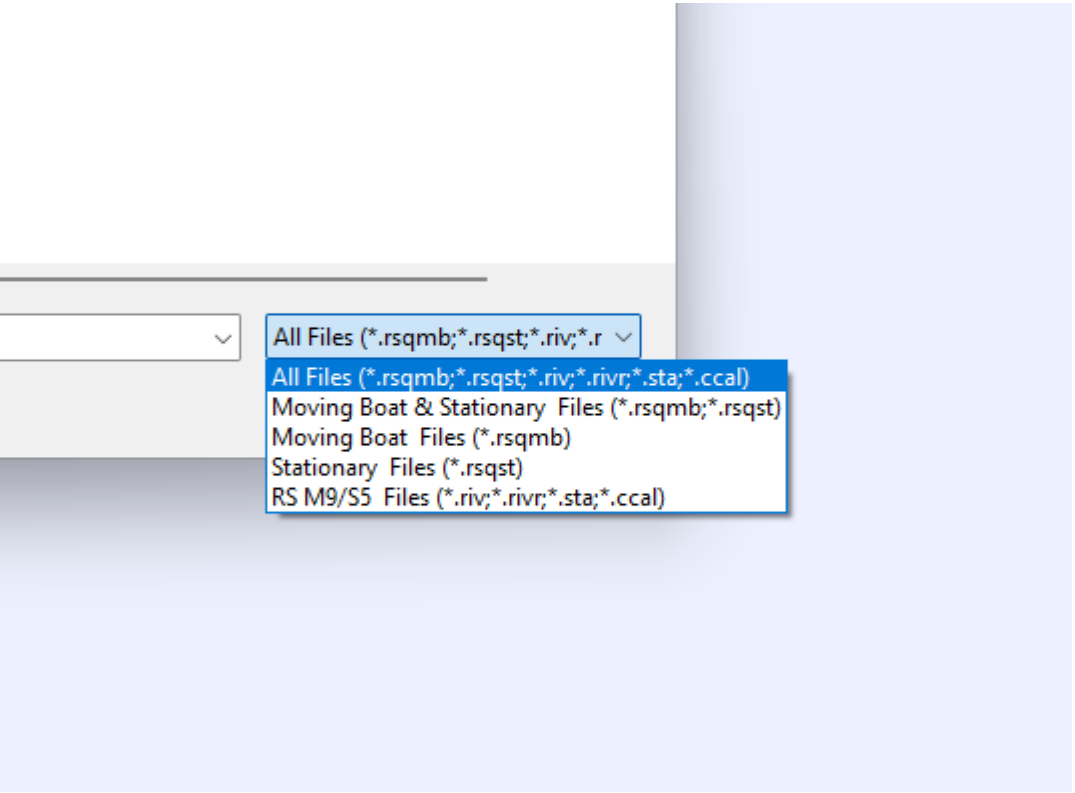
1. Beam Switching
2. KML Exports – Google Earth
3. **Sub-sectioning a Measurement**

Footnotes, references, citations here if needed

Using RSQ on M9 Files

xylem

Using RSQ on M9/S5 Files



Use all of the powerful post-processing tools in RSQ on existing M9/S5 data

Easily open any .riv/.rivr/.sta file

Flexibility to save files as .rsqmb or .rsqst

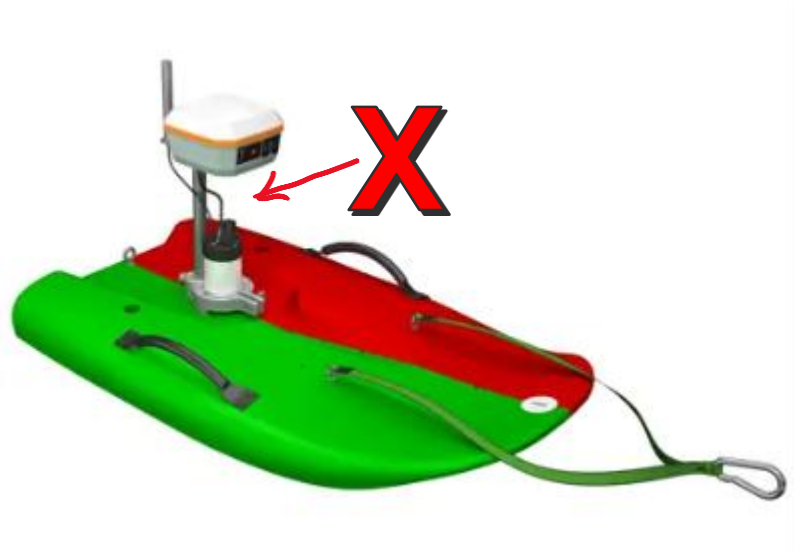
Open additional files in RSQ (compass cal)

xylem

Coming Soon to RSQ

Coming Soon to RSQ

1. Bluetooth to GNSS (no more GNSS cable!)
2. Many improvements to Stationary (more data views and options, beam switching, QA/QC warnings to match QRev-MS, KML export, and more)
3. Loading background images to ship track window
4. Please submit your ideas!



xylem

THANK YOU
Questions/Comments?