**QC process for ICESat data using the SMM3 (Septentrio) Base Station Data**

Follow the regular data processing steps detailed in How\_to\_Quality\_Check\_GPS\_Data\_Using\_Trimble\_Business\_Center\_v1.0.pdf document except for Section **3. Import base data.**

* To Download the base data from the SMM3 (Septentrio) base station navigate to the website: <http://192.168.1.34/scr?fra0=diskview.html>
* Login as Summit: username: Summit, password: gps.
* Click on the “Logging” dropdown menu and select “Disk Contents”
* Click on the LOG3\_1hr1Hz dropdown menu, select the day (17JD) and the hour (a-x -> 0-23 UTC). For further explanation of the file naming conventions refer to the Summit\_Station\_GNSS\_Manual\_wRxLogger.pdf and \\Server\ftp\data\GEOSummit\UNAVCO\resources\Septentrio\_Time.xls documents.
* Download and unzip the files to the appropriate ICESat file on the FTP using the 7-Zip software.
* **The Septentrio files are not archived at UNAVCO and will not remain on the receiver indefinitely. Therefore, after each ICESat survey download the *simultaneous* data files and place them on the FTP server for safekeeping.**
* Open the Septentrio Rx Tools SBF Converter program and select either the “Single” or “Multiple” file button. Select the files to convert, check the Convert to “RINEX” box and press the “Convert” button.
* The converted files will be a .18O file (RINEX) that can be imported into Trimble Business Center in the same way as the SMM2 base station data.
* For the Receiver Raw Data Check In Window, enter the following data:
	+ Antenna:
		- Manufacturer -> Septentrio
		- Type -> PoleNt-x MF
		- Method -> Bottom of Antenna Mount
		- Height -> 0.0 m
		- Serial Number -> SN10107
	+ Receiver:
		- Manufacturer -> Septentrio
		- Type -> PolaRx5 PRO
		- Serial Number -> SN3018394
	+ Antenna Location:
		- SMM3    72.5729389    -38.469662    3275.9430
* Trimble Business Center will complain about errors/warnings- ignore them for now. An SMM3 icon will appear in the Plan View.
* Import the roving data following the How\_to\_Quality\_Check\_GPS\_Data\_Using\_Trimble\_Business\_Center\_v1.0.pdf document.