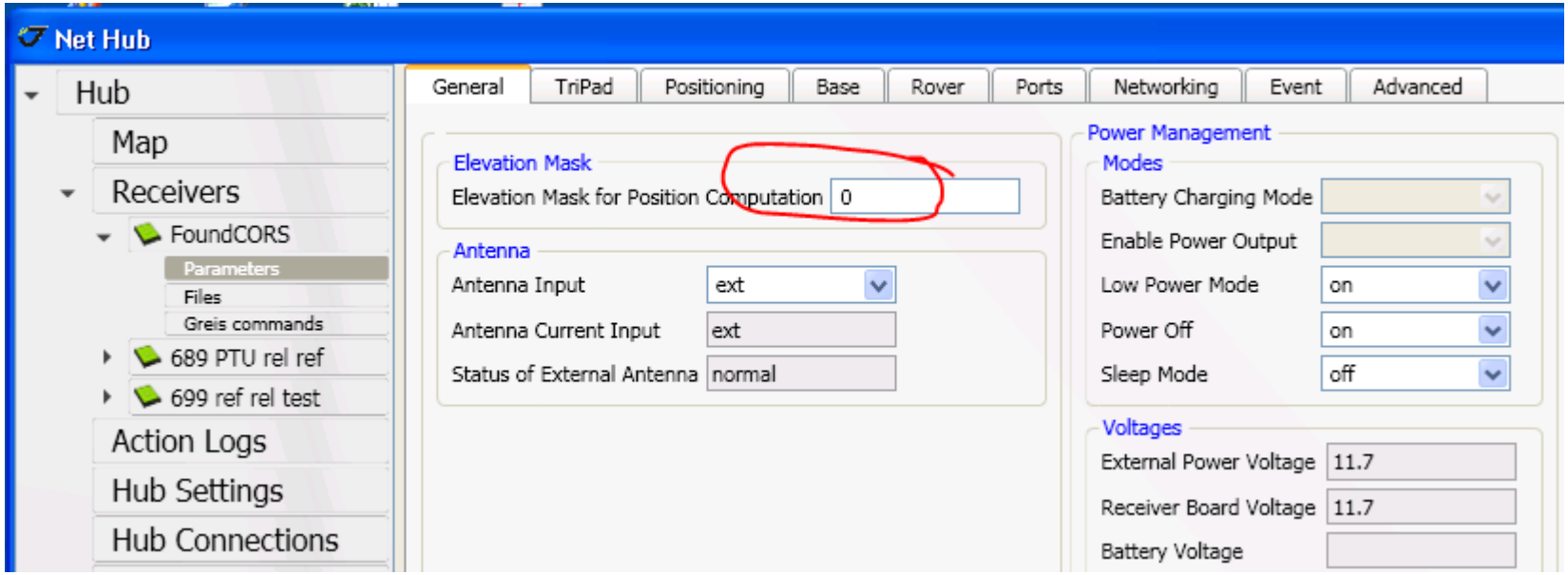
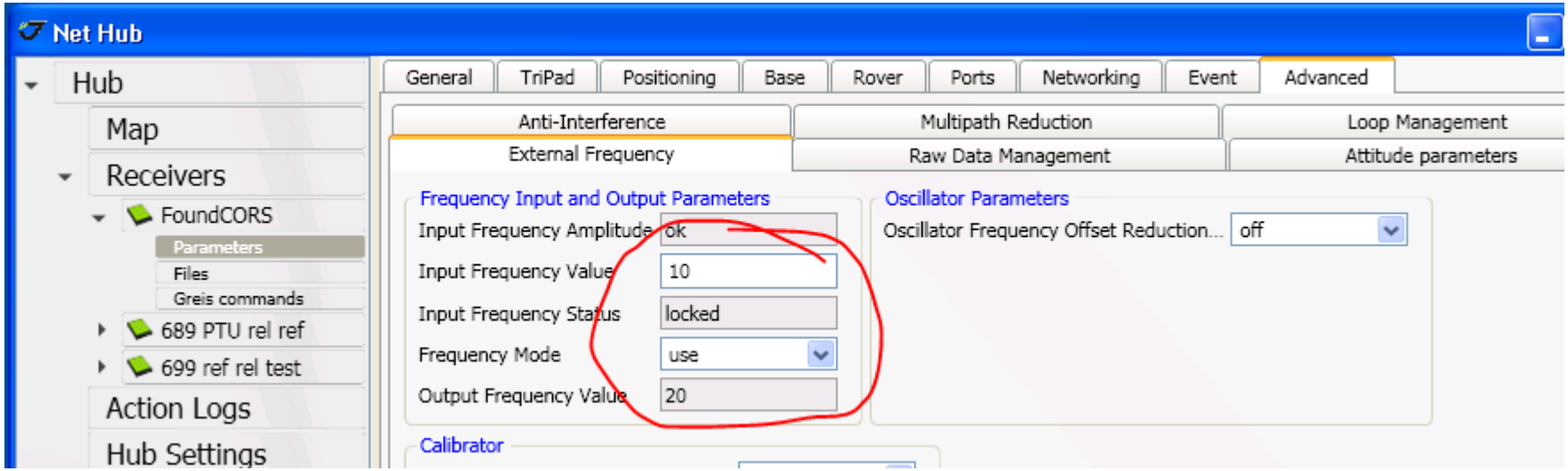
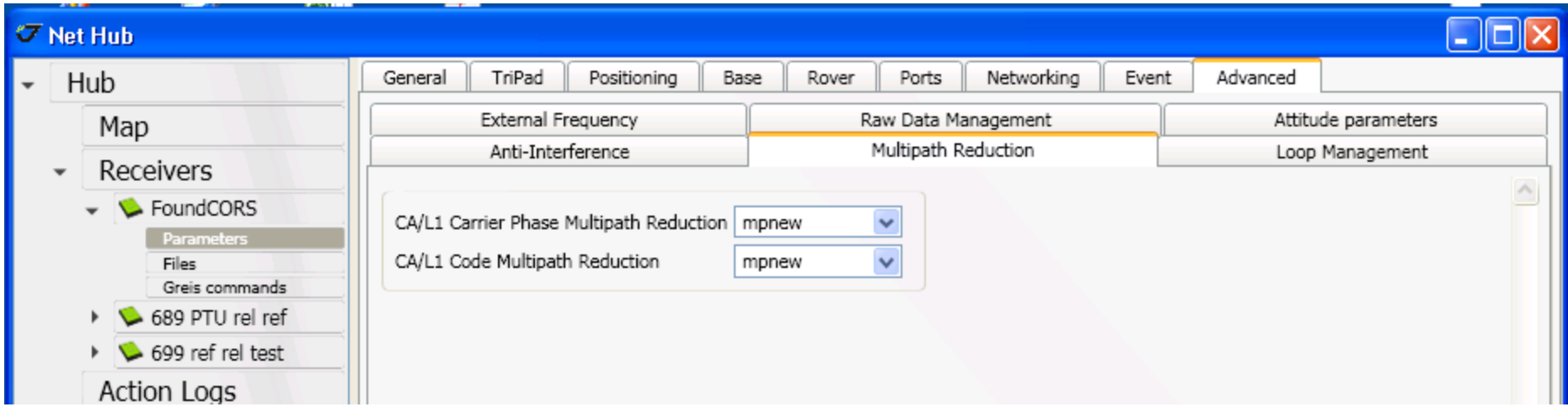


set elevation mask to 0 (position computation)



set Input Frequency Value to 10 or 5 Hz
then set Frequency Mode = "use"
apply and refresh to confirm Status = "locked"

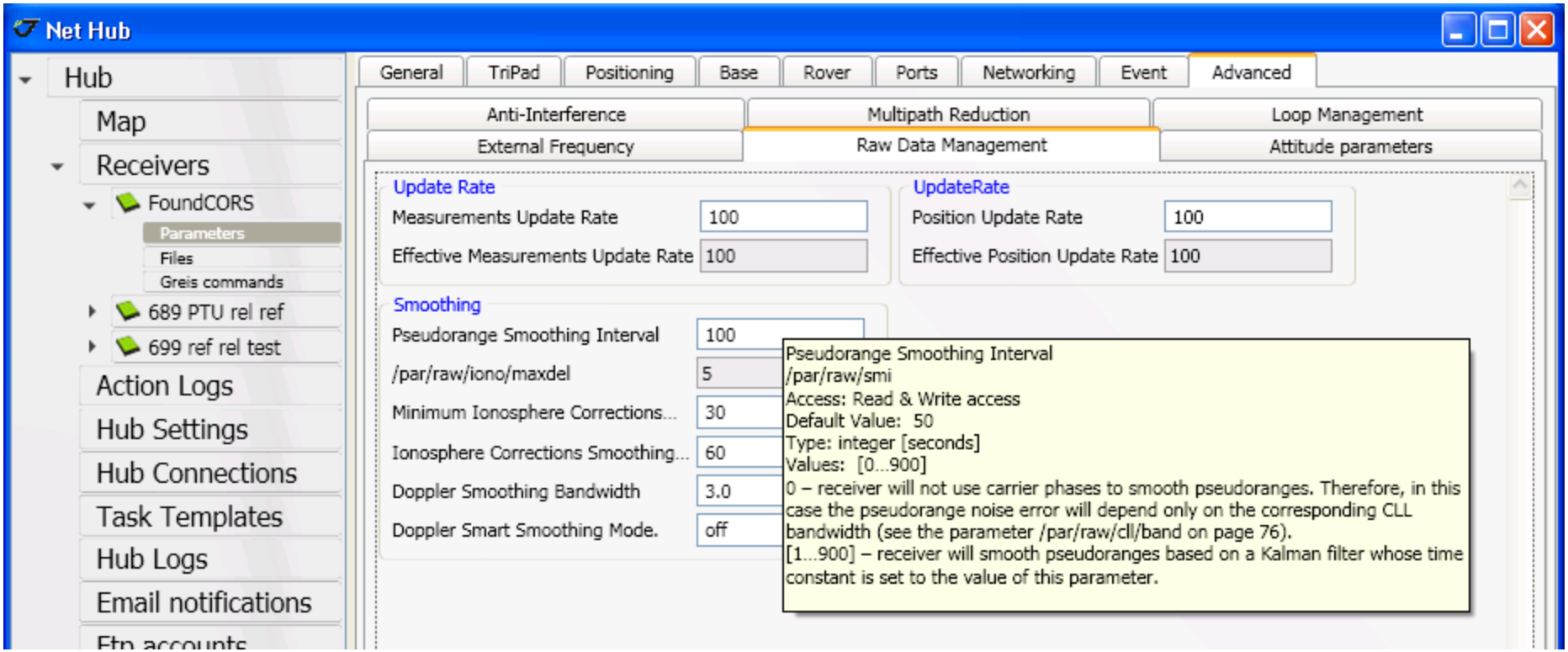


CA/L1 Carrier Phase Multipath Reduction
/par/raw/corr/ca/carrier
Access: Read & Write access
Default Value: mpnew
Type: enumerated
Values: normal,mpnew
normal – CA/L1 carrier phase multipath reduction is off.
mpnew – CA/L1 carrier phase multipath reduction is on.
Tracking Loops Parameters
Warning: It is not recommended to change tracking loop parameters from their default values.
Only a few special applications would require different settings.
There are three kinds of tracking loops in JAVAD GNSS receivers:
1. Tracking loops for CA/L1.
2. Tracking loops for strong signals, or simply strong loops. These include GPS L2C and L5, GLONASS P/L1 and P/L2, WAAS L5, and GALILEO L5 signals.
3. Tracking loops for weak signals, or simply weak loops. These include GPS P/L1 and P/L2 signals.
Each kind of loops has its own set of parameters.
In this section, the PLL and CLL abbreviations stand for Phase Lock Loop and Code Lock Loop, respectively. Note that frequently used abbreviation DLL (Delay Lock Loop) is synonym for CLL.

CA/L1 Code Multipath Reduction
/par/raw/corr/ca/code
Access: Read & Write access
Default Value: mpnew
Type: enumerated
Values: normal,mpnew
normal – CA/L1 code multipath reduction is off.
mpnew – CA/L1 code multipath reduction is on.

Multipath Reduction parameters (code and carrier) were left set to "mpnew", the receiver defaults

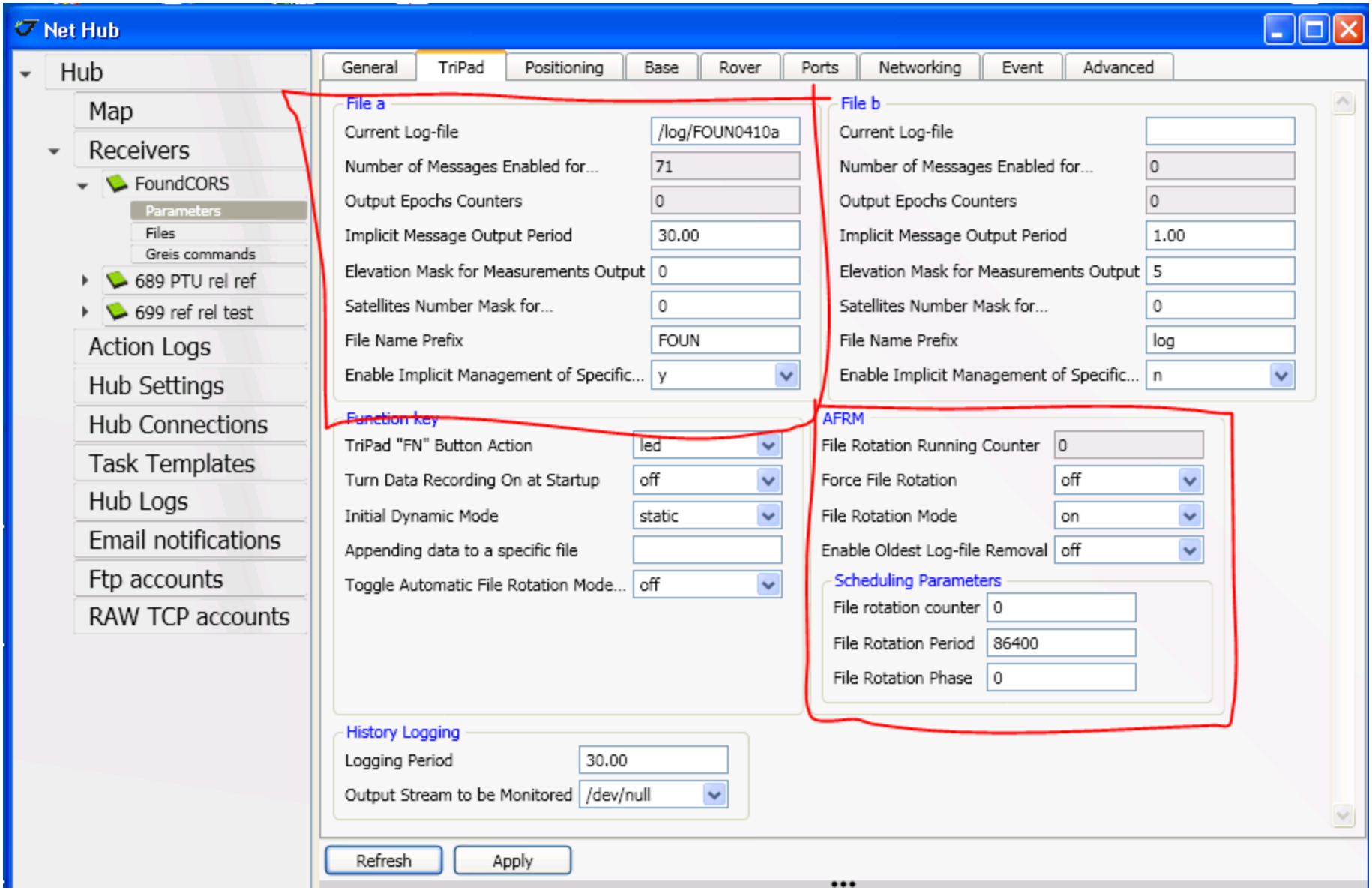
note the yellow tooltips describing multipath reduction options



SMOOTHING

The default smoothing parameters are shown above, and implemented at this time.

I show the tooltip for the Pseudorange Smoothing Interval, should this be changed to 0 (no code smoothing?)



for data logging, all three receivers are logging to File (a) with AFRM rotation as shown