



NOTE: Using this control has NO IMPACT on the actual IMU output Data, only affecting the Plot and TXT Dumps

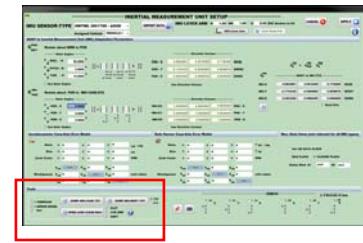
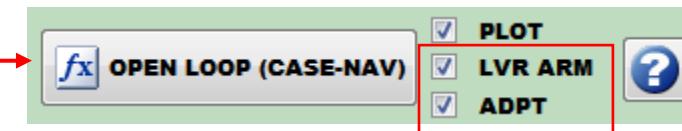
OPEN LOOP DEAD RECKONING

unconditionally:

- Integrates CASE to NAV - LLA
- Adaptation Parameters Applied
- Lever Arm Applied

conditionally:

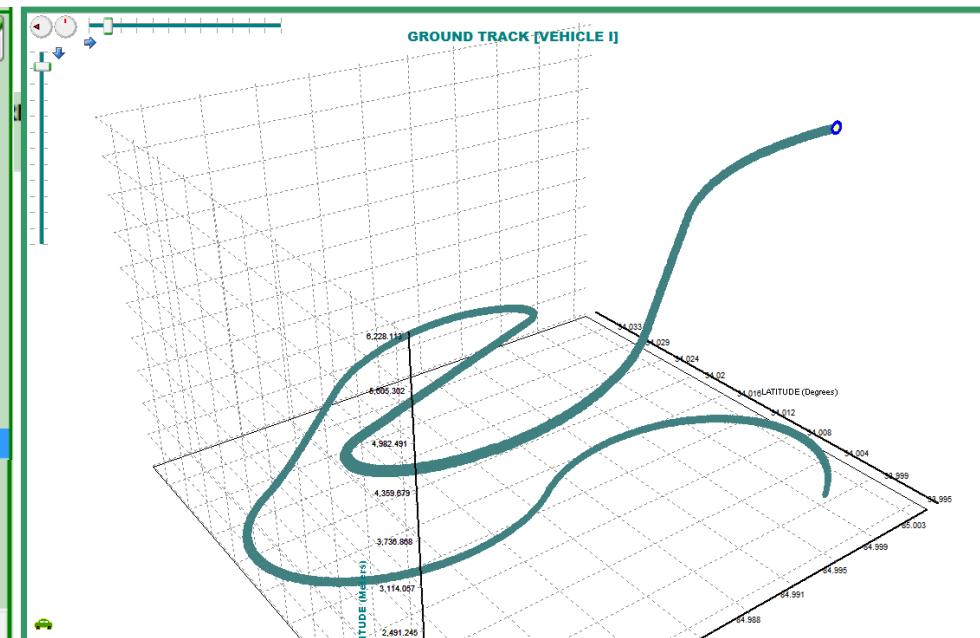
- compensates for Lever Arm
- compensates for Adaptations
- applies IMU Error Model



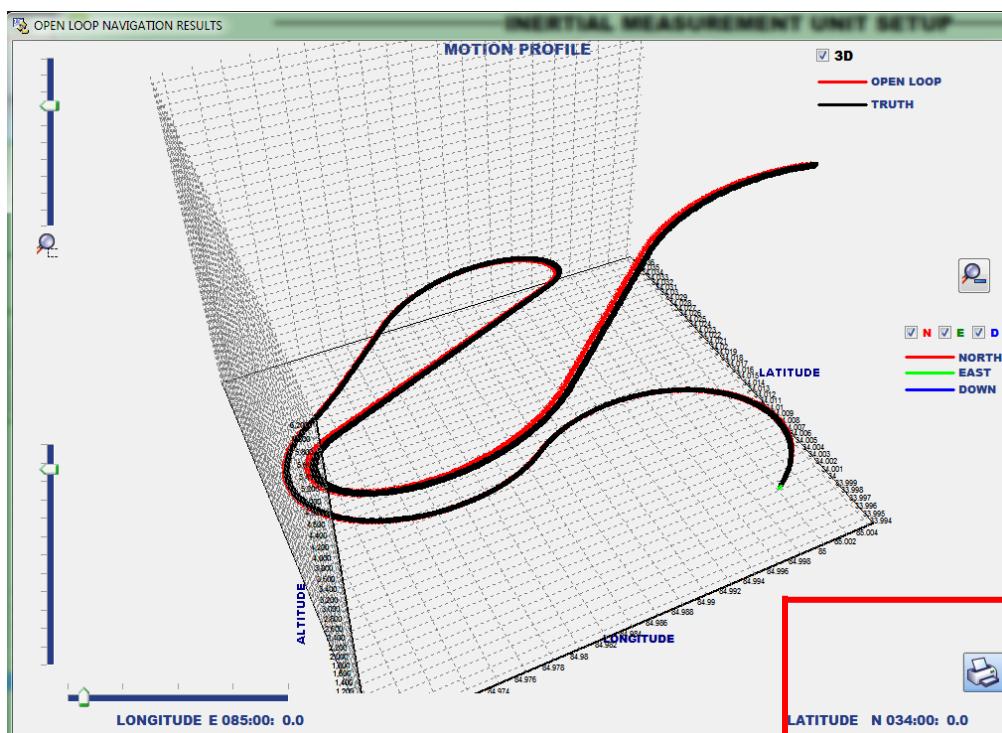
These only control the COMPENSATIONS applied in the Dead Reckoning Processing. They do not affect the actual IMU Output Data via MFIO.

## EXAMPLE

Script Sequence			
0.0	Cruise	1.0 sec	
1.0	Turn	-180.0° @1.0 G	Flat
32.6	Turn	180.0° @1.0 G	Flat
64.2	Pitch	30.0°	@1.0 G
69.6	Cruise	5.0 sec	
74.6	R: P: Y:	0: 0: 0 o	0: 0: 90 o/s
76.2	Cruise	1.0 sec	
77.2	Turn	180.0° @1.0 G	Flat
104.6	Cruise	31.0 sec	
135.6	R: P: Y:	0: 0: 0 o	0: 0: -89 o/s
137.2	Cruise	1.0 sec	
138.2	Turn	-180.0° @1.0 G	Flat
165.6	Cruise	12.0 sec	
177.6	Turn	90.0° @1.0 G	Flat



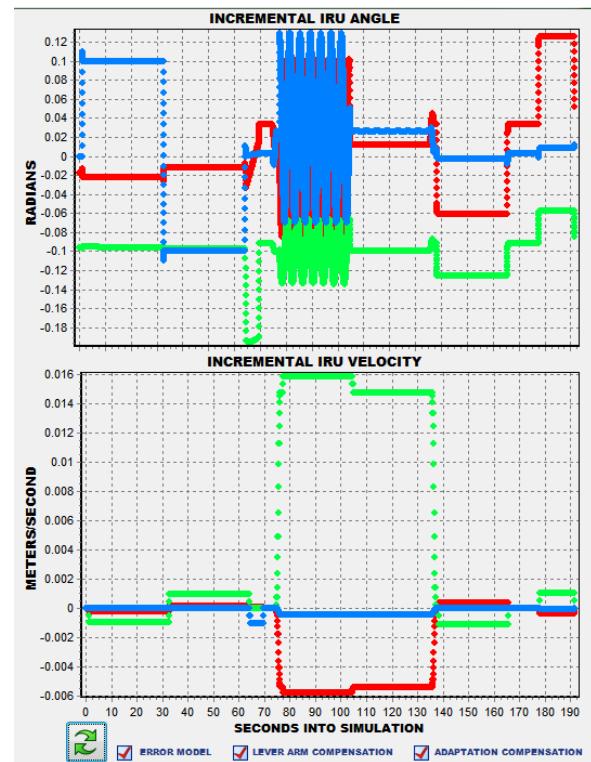
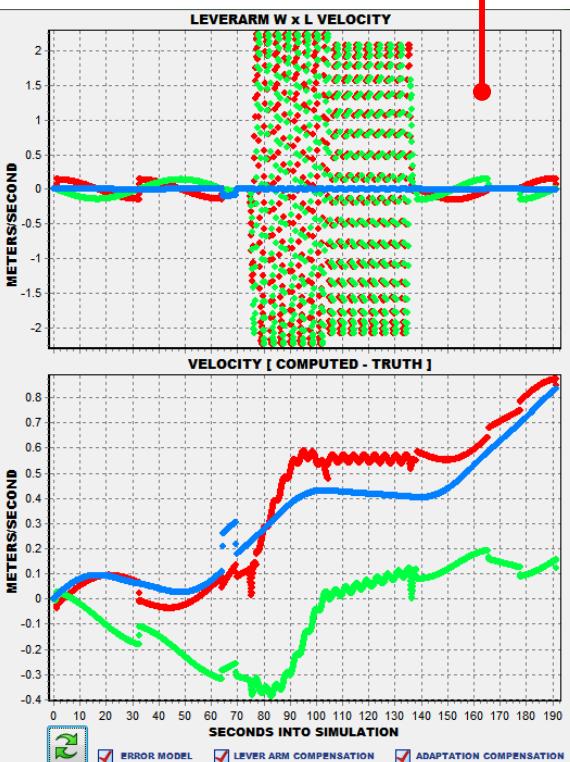
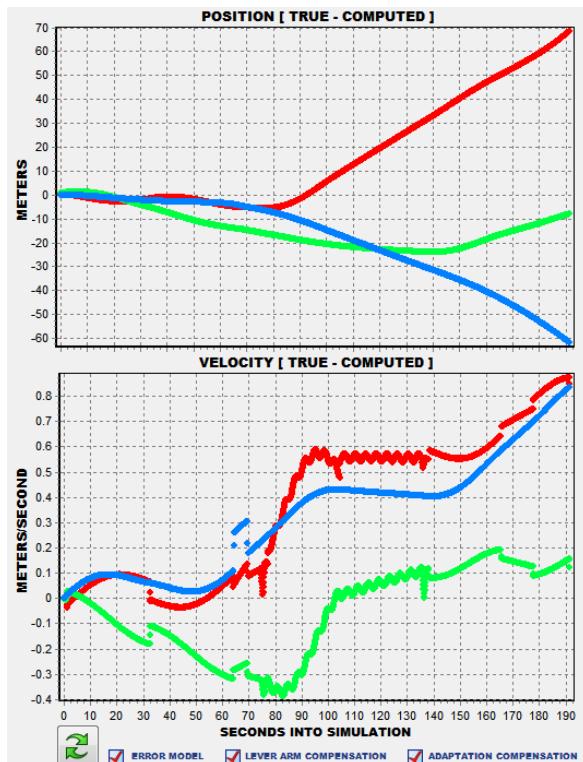
EXAMPLE FLIGHT PROFILE



OPEN LOOP POSITION AND  
VELOCITY ERROR GROWTH  
FULLY COMPENSATED

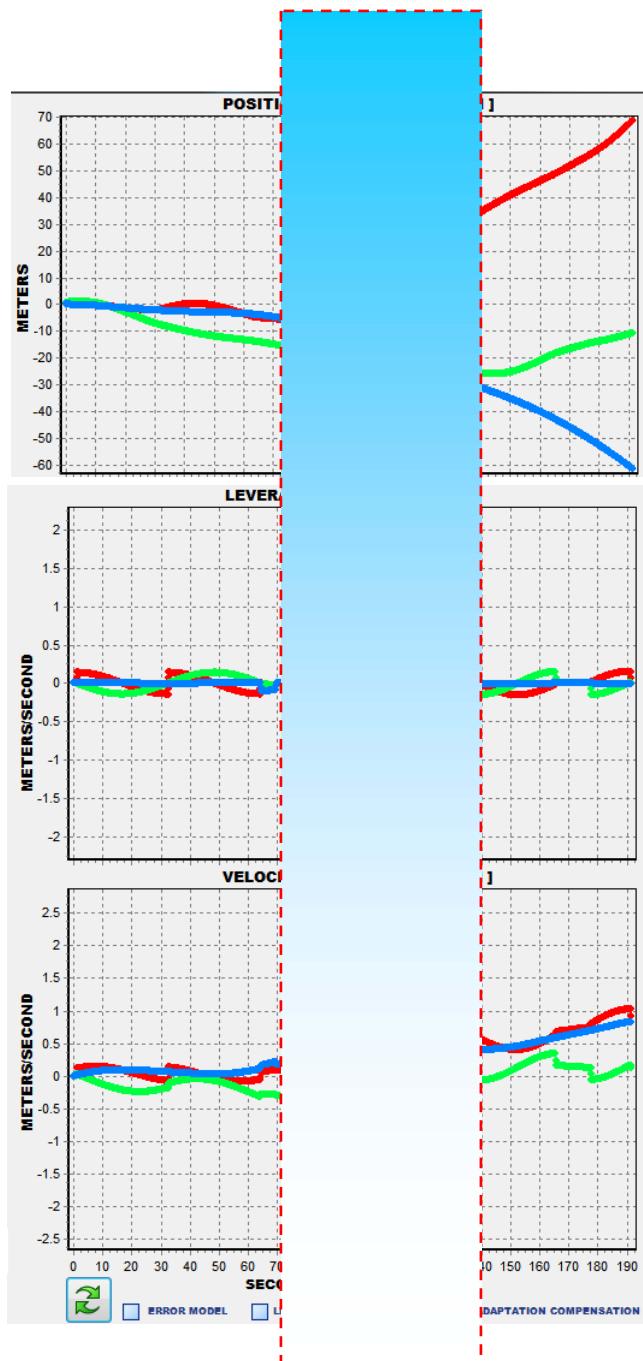
**LVR ARM**  
 **ADPT**

RAW INCREMENTALS



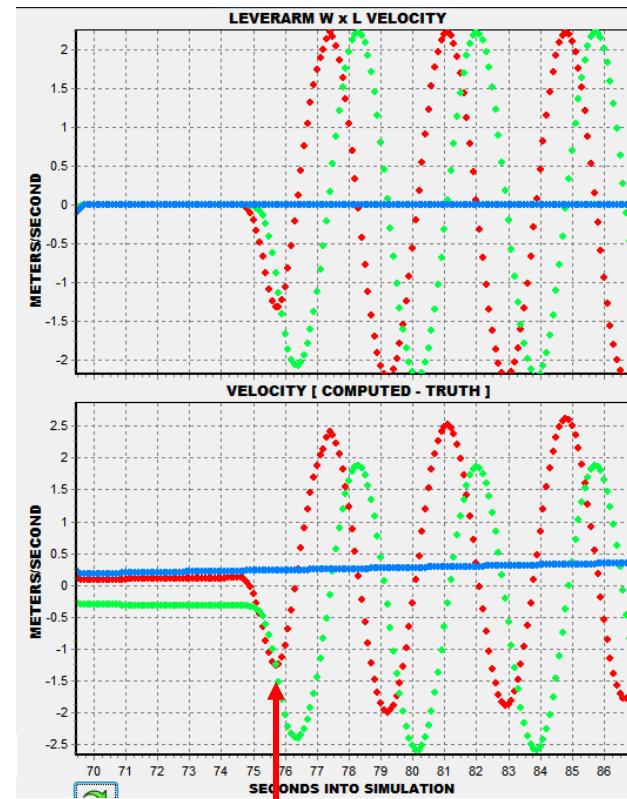
90°/s ROTATION ABOUT YAW  
NO LEVER ARM COMPENSATION

LVR ARM  
 ADPT



COMPUTED LEVER ARM  
CORRECTION W x L

ZOOM



UNCOMPENSATED 90°/s ROTATION



LVR ARM



ADPT



IGNORING ADAPTATIONS  
CAN RESULT UNBOUNDED  
ERROR GROWTH

