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SHARK Day1

1 message

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To: Steve Ertel <sertel@lbto.org>, AO Operations <aoops@lbto.org>

Cc: Al Conrad <aconrad@lbto.org>

Hi All,

Tonight we ironed out some kinks with presetting and a few AO things:

- Generated and verified SHARK register in IRAF LBTtools
- Sent monocular async presets while authorized SHARK - NONE
- Sent Binocular Presets SHARK on SX LBTI on DX Closed dome
Sent Async and synchronous presets in this configuration.
 - There was an issue with SHARK scripting that it was looking for SHARK on both sides - resolved
 - SHARK was enabling Repoint in AOS - removed/resolved
 - Limitation of 2mas/yr for proper motions - removed/resolved
 - Sending preset for "Star outside of range"
 - was found to be a multi step problem. They were not sending AO ref information which is now included in the preset as the target information (including magnitude). AOMODE not enabled, now set to AOMODE normal for ACETRACK presets. There was a calculation error in the proper motions so extremely large values were being sent.
- Scripting bayside X Y offsets tested (More work Pending)
 - Offset would appear in AOS as sent, but regardless of size would apply to bayside stage in a fixed size:
1000mm moved 0.301 in Y and 1000mm in AOS moved 0.299 in X
22mm moved 0.301 in Y and 11mm in AOS moved 0.299 in X
100mm moved 0.301 in Y and 100mm in AOS moved 0.299 in X
- Scripting bayside Z offsets (More work Pending)
 - Offsets fail unless Loop Paused. Plan to adjust scripts to include Loop Paused and Resume
 - AOS would show the sent Z offset but bayside would show no received command and would not move.
- Onsky testing of closed loop
 - Large proper motions being sent due to calculation error. Partially resolved
 - Closed loop on source
 - IE 16, CA 87, Global offset of -0.7 in Z on M2
 - X stage got stuck. Possibly from earlier tests. Had to move up in elevation to resolve and rehome.
 - Modulation issue on LBTI WFS for bright regime close loop.

I'm sure I forgot something but that's the gist.

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