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## Clarifying the language of the offset command

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Thu, Jan 26, 2023 at 10:06 AM

In ICE, the name of the command is "OffsetPointing2", and it is described on page 70 of T481s00013:

Syntax:  
result OffsetPointing2( double ANGLE, double OFFX, double OFFY, string COORDSYS, string MOVE\_TYPE, string SIDE )

A very detailed written description of what it does:  
<https://wiki.lbto.org/Software/IIFOffsetSequence>

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The equivalent command for daytime is "OffsetXYAO" on page 72 which does not require a telescope preset, and doesn't care whether the loop is closed. Probably this is execution step 12 on the wiki description of OffsetPointing2 above.

Syntax: result OffsetXYAO( double DELTAX, double DELTAY, string SIDE )

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The command "OffsetZAO" on page 73 apparently has some implementation issues, but I'm not aware of the details. I need to go read T481f00341.  
Syntax: result OffsetZAO( double DELTAZ, string SIDE )

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The command "StepFocus" is on page 123, and only moves the telescope optics (unaware of AO). OPE is optical element M1, M2, etc. LBTI uses this manually for gross focussing prior to attempting to close the AO loop.  
Syntax: result StepFocus( double RELPOS, string OPE, string SIDE )

"MoveFocus on page 59 is the absolute position version of StepFocus. I'm not aware of any instrument that use it.

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The missing command that we've be calling OffsetZ maybe is better called OffsetFocus. It needs to be fully AO aware like OffsetPointing2 is.

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