

Recovering from a Stall

	Jun 14, 2021, P Gabor et al.		✓ X
Control room	⚠ Mirror cover must be open. ⚠		
Control room	😬 If you want to close the dome slit (may be a good idea esp. when windy), close the mirror cover (assuming that the breaks came on when the stall occurred), than close the dome slit, and then open the mirror cover again.		
Control room	Turn on the dome floodlights		
Control room	Breaks off ⚠ Be ready to set the breaks again if the telescope slumps in elevation when the breaks are released (watch the telescope in cameras, 😬 and watch the elevation value in TCSglue)		
Control room	Keep dome tracking on		
Dome, lower lvl	Inspect the “flippers” and find the double-headed bumper. You will need to spin the telescope back to its stow azimuth. Remember that:		
	😬 the double-headed bumper “lives” in the South		
	😬 from your vantage point at the dome's lower level, a flipper may show a green patch or no patch; you can never see a red patch from there		
	Safe (recommended)	Less safe	
	😬 if both are green, simply align the arrows meticulously	if both are green, simply align the arrows within a few inches	
😬 if one is green and the other has no patch, spin towards the latter, flipping it to green; then keep spinning until the arrows align perfectly	if one is green and the other has no patch, spin towards the latter, flipping it to green; then keep spinning until the arrows align within a few inches		
Basement	Disable the hydrostatic bearing: Turn Stage 2 off.	<i>Does not apply</i>	
Dome, upper lvl	Move the telescope to zenith	Step onto the telescope yoke platform carefully (avoid imparting angular momentum in azimuth), and move the telescope to zenith	
Dome, upper lvl	Turn the derotator (considerable force is required) back to home, untwisting the cable bundle	Still standing on the yoke platform, turn the derotator (considerable force is required) back to home, untwisting the cable bundle	
Dome, lower lvl		Align the Azimuth arrows accurately	
Dome, upper lvl	Bring the dome to its home position (gently spinning the encoder wheel)		
Basement	Enable the hydrostatic bearing: Turn Stage 2 on.	<i>Does not apply</i>	
Control room	Set the breaks		
Control room	Close the mirror cover		
Control room	Close the dome slit (if open)		
Control room	Turn Thermal control off		
Control room	Stop Autocollimation		
TCS room	Reboot VATTtel		
Control room	Close and open TCSglue		
Control room	Start Autocollimation		
Control room	Turn Thermal control on		
	Done!		

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