

35 Point Polarimeter PM Checklist

CHECKED AND PASSES INSPECTION			
MAY NEED FUTURE ATTENTION			
REQUIRES IMMEDIATE ATTENTION			
			Exterior Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The bench is level and the instrument does not wobble
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is adequate space around the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The instrument feet are not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The temperature of the lab is acceptable
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is no acid nor base preparation near the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The instrument is away from exhausts from other instruments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The fan filter is installed, clean, and the fan is flowing at an adequate speed
			Interior Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	There is no sample leaking inside of the inside of the instrument
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The electronic boards are free from oxidation or contamination
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All cable connections are secure and not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power supplies are inspected and voltages checked
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Power entry circuit is inspected for visual damage
			Gearbox Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gearbox is tight and to the gearbox truss with no play
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Photomultiplier tube is centered and clean
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Wavelength band-pass interference filters are clean and not cloudy
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Filter wheel drive belt and motor spin freely
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gearbox worm gear is not worn and is cleaned and adequately oiled
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Brass worm wheel is aligned to worm gear and no visual signs of damage
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gearbox prism is clean and not cloudy or separating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Anti-backlash spring is not damaged and is centered around worm wheel
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Gearbox motor pulley spins freely and is not damaged
			Collimator Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New lamp installed and cleaned with alcohol
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lamp is centered to the sample chamber confirmed using a centering target
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Lamp connector is not worn or damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Collimator assembly is tight to the modulator truss
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Collimator prism is clean and not cloudy or separating
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Modulator rod is clean
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Modulator power connections are tight
			Sample Chamber Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The Splash Glass are clean and not stressed when tightened in assembly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature probe cable is not frayed, securely connected and not damaged
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The probe holder is not damaged and the probe indicator light operates properly
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The temperature transfer plates are clean and not corroded or damaged
			Display assembly Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The display is clear and easy to read
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The touch panel is not damaged and is aligned
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The display assembly gasket is not swollen or damaged