

DVCS3/GMp Shift Checklist

	OWL	DAY	SWING
Date/Time			
Your name			

Beam Energy (GeV)/Passes			
Beam energy lock on? Yes/No			
Beam current (μ A)			
Raster on? Yes/No			
Fast feedback on? Yes/No			
Spot size X/Y (mm)			
Beam Position Monitor X/Y (mm)	A		
	B		
BCM temperature (K)			
Half wave plate in/out			
Wien angle			
Pocket cells readout: A/B			

Target/Loop			
Target temperature (K)			
Target pressure (psi)			

Left arm angle (deg)			
Left arm momentum (GeV)			
Left arm collimator			
Left arm cryo flow level OK? Yes/no He>60%, N>25%			
Left arm NMR OK? Yes/no			
Left arm Q1 current (A)			
Left arm Q2 current (A)			
Left arm D current (A)			
Left arm Q3 current (A)			
Left s0/s1/s2m HV on?			

DVCS3/GMp Shift Checklist

Left Cerenkov HV on?			
Pion rejector HV on?			
Right arm angle (deg)			
Right arm momentum (GeV)			
Right arm collimator			
Right arm cryo flow level OK? Yes/no He>60%, N>25%			
Right arm NMR OK? Yes/no			
Right Q1 current (A)			
Right Arm Q2 current (A)			
Right arm D current (A)			
Right arm Q3 current (A)			
DVCS Calorimeter HV on?			
Max. DVCS Calorimeter anode currents (mA)			
DVCS Cosmic paddles HV on?			

Argon pressure (psi)			
Ethane pressure (psi)			
CO2 pressure (psi)			

Left VDC gas flow (top/bottom)			
Left VDC HV on (top/bottom)?(y/n)			
Right VDC gas flow (top/bottom)			
Right VDC HV on (top/bottom)?(y/n)			

Left arm single prescale T9 only (y/n)?			
DVCS prescale triggermodule			
Dead time (%)			

Time of beginning of latest run			
Latest run number (Left HRS)			
Check online plots (y/n)?			

DVCS3/GMp Shift Checklist

Latest run type (Test, Physics,..)			
Check xscaler display (T1+T9 rates)			
Visual Hall inspection OK?			

This list can be retrieved in .pdf format at:

https://hallaweb.jlab.org/wiki/index.php/Instructions_for_shift_takers