General comments:		For PVDIS we	did not have sieve data at the main DIS p	production kinematics.	
optics run list	LHRS run	RHRS run	Run conditions	Comments for optics analysis, Left arm	Comments for optics analysis, Right arm
11/08/09	12.9 deg	20 deg	Left at -3.66 GeV, Right at -2.63 GeV	These runs should be used to determine Q2 of production runs, which were taken at the same HRS settings: Left at DIS kine #1.	These runs should be used to determine Q2 of production runs, which were taken at the same HRS settings: right at DIS kine #2.
	25304	4833	multifoil carbon raster off		
	25334	4859	same		
	25303	4832	multifoil carbon raster on		
	25311	4856	same		
	25333	4858	single carbon raster off		
	25605	5159	single carbon raster on		
			the above (earlier) optics runs had different beam position from most of production		
12/10/09	20 deg	20 deg	Left and Right at -2.63 GeV/c	These runs should be used to	These runs should be used to determine Q2 of production runs, which were taken at the same HRS settings: both arms at DIS kine #2. The right arm stayed the same as 11/08 runs but other conditions may have changed (such as beam
	26128	5640	multifoil carbon raster off	determine Q2 of production runs, which were taken at the same HRS settings: both arms at DIS kine #2.	
	26129	5641	multifoil carbon raster on		
	26130	5642	single carbon raster off		
	26131	5643	single carbon raster on		position)
12/18/09	12.9 deg	12.9 deg	LQ1 and LDipole at -4.0 GeV, LQ2 and LQ3 at -3.66 GeV; Right at -3.10 GeV.	These runs should be used to study the effect of mis-tuning of LQ2 and LQ3 (they could not go above -3.66 GeV/c, although production requires -4.0 GeV), and be used to determine Q2 of production runs. Production runs were taken at the same HRS settings: Left arm at RES kine #3 (mistuned).	These runs can be used to determine Q2 of production runs: Right arm at RES kine #5.
	26332	5836	raster off, sieve out		
	26333	5837	raster on, sieve out		
	26334	5838	raster on, left sieve in		
	26335	5839	raster off, left sieve in		

				Optics	
12/19/09	12.9 deg	12.9 deg	Left at -3.66 GeV, Right at -3.10 GeV	These runs should be used to compare with the next set of optics (5884-5887), in order to determine how mistuning LQ2 and LQ3 affect optics. This can help to study the systematics of RES kine #3 data (see above).	Right arm is the same as 12/18 runs but may warrant analysis for double- checking.
	26386	5876	optics data, raster off		
	26387	5877	optics data, raster on		
	26389	5878	optics data, raster on, left sieve in		
	26390	5879	optics data, raster off, left sieve in		
	12.9 deg	12.9 deg	LQ1 and LDipole at -3.660 GeV, LQ2 and LQ3 at -3.349 GeV; RQ1 at -3.136 GeV/c, RDipole, RQ2 and RQ3 at -3.1 GeV.	see above. Left arm data here is to study mis-tuning of LQ2 and LQ3.	Right arm is at a slightly mis-tuned setting from RES kine #5, comparison with 12/18 runs on the Right arm could tell us how this slight mistune affect data taking. (a few production runs were taken at this mistuned setting).
	26395	5884	raster on, sieve-out, 19:34-		
	26396	5885	raster off, sieve-out, 19:40-		
	26397	5886	raster off, left sieve in, 19:52-		
	26398	5887	raster on, left sieve in, 20:25-		
			Left at -3.55 GeV, Right at -3.10 GeV		
	26402	5891	raster off, sieve-out		