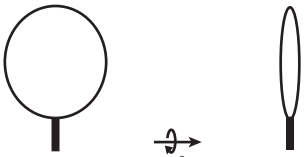


# Wedekind Lab *Crystallography*

<b>Crystal Notes</b>	Label	Project	Priority	Crystal size	Loop size	Pin height	Crystal Orientation	Notes:
	Cane	Dewar	Position	Cryoprotection notes			 (Label C* and $\phi$ axes)	
	Contact:							

<b>Home Data Collection</b>	<b>Screening</b>	Date	Crystal Clear			Power		# frames	Distance (mm)	Exposure	Oscillation	Notes:
		Account	Project	Sample	kV	mA	Unit cell dimensions	Spacegroup	Max. resol.	Mosaicity		
	<b>Strat.</b>	Input mosaicity		Target resolution ( )	Predicted $\phi$ range(s)		Predicted completeness		Notes:			
	<b>Data</b>	Date	Power		$\phi$ range(s)	# frames	Dist. (mm)	Exposure (min)	Oscillation (deg)	Notes:		
	kV	mA										
<b>Backup</b>	Electronic backup			DVD Backup			Status?					
		Hard drive #s		Directory name(s)		DVD Label		Binder location		Saved/discarded		

<b>Synchrotron Data Collection</b>	<b>Screening</b>	Date	User name			$\lambda$	# frames	Distance (mm)	Exposure (s)	Notes:	
		Facility	Beamline	Cassette label	Dose mode?	Unit cell dimensions	Spacegroup	Max. resol.	Mosaicity		
	<b>Strat.</b>	Input mosaicity		Target resolution	Predicted $\phi$ range(s)		Predicted completeness		Notes:		
	<b>Data</b>		$\lambda$	$\phi$ range(s)		# frames	Distance	$\Delta\phi$	Exposure (s)	Notes:	
	High										
<b>Backup</b>	Electronic backup			DVD Backup							
		Hard drive #s		Directory names		DVD Label		Binder location			
		High									
		Low									

## Data Processing Form

Sheet \_\_\_\_ of \_\_\_\_

Site Info	Date	Det. Distance	Direct beam coords	Username	Crystal Clear	Account	
						project name	
	Data set to process	$\lambda$ (Å)	kV x mA	Computer name		sample name	
						Image file name root	

Index	Find Spots frames:		Orientations	ID#	Resid.	Rot1	Rot2	Rot3	Notes/errors:
	Lsq:			1					
	Spacegrp #:			2					
	a, b, c:			3					
	$\alpha, \beta, \gamma$ :			4					

Refine Cell	RMS mm	RMS deg	Mosaicity	Reflections	Notes/errors:
				Total:	
	Unit cell dimensions			Rejected:	
	a, b, c		$\alpha, \beta, \gamma$	Accepted:	
				Excluded:	

Predict Spots	Frames used	Accept/raise mos.?	Notes/errors:
	Input mosaicity	Mask created?	

Integration	Frames used	First batch dimensions	Reflection integration	Notes/errors:
			Total predicted:	
	Resolution range	Last batch dimensions	Total no errors:	
	Output avg. mosaicity	Average cell dimensions	Approx. # rejected for box errors:	

Laue	Laue Class	Space Group Check	I/sig(I) tol.	Space grp	Notes/errors
	Rmerge				

Scaling Input	Resolution range	% bad $\chi^2$ rejected	Scaling Results	Unit cell dimensions:		Computer/drive location of:		
				Outer shell resolution:		ScaleAveraged.ref	dtscaleaverage.log	
	Auto error model?	Rej. batches w/ rej. >		Total reflections:		Notes/errors:		
	Weight multiplier	Rmerge >		Unique Reflections:				
				Avg. redundancy				
	Weight addend	$\chi^2$ >		% completeness				
		Rmerge						
		High shell unavg. I/sigI:						

Notes: