Jasco Digital Polarimeter Instructions

These instructions will show the user how to collect Optical rotation data on their samples. Currently we have two sample cells, one has a 50mm path length and the other has 100mm path length. Either of these cells may be checked out from me. The instrument is set to a frequncy of 589nm. Other values are available but filters and lamps will need to be purchased.

In this instruction set, I will be using the following conventions:

Italicized	Typed keyboard entry in appropriate window
Boldface	Click on the item with the left mouse button
	Item may be a menu entry or button on dialog window

OPERATING INSTRUCTIONS

LOG ON TO INSTRUMENT

Move mouse to activate screen

LOGIN: *Username*	Log User into the Instrument Facility system
PASSWORD: *Password*	
OKAY	

START HARDWARE AND SOFTWARE

Push the On/Off button	Lower left corner of Console	
SpetraManager	Single Click	Program starts
Standard Measurement	Double Click	Start data collection module

If needed

Polarimeter Analysis	Double Click	Start analysis module

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COLLECT DATA

Measure	Select Measure in the Menu	
Parameters	Select parameters from Dropdown Menu	
Change values as needed		
Source	Wl Do not change	
D.I.T	Length of Sample time	
Cycle Time	Numbers of reads to take	
Cycle Interval	Time between reads if Cycle Time > 1	
B ICON	Collect Baseline sample – Sample cell should hold only solvent	
Measure	Start measurement	
S ICON	Collect Sample Data	
Sample Name	Enter Sample name	
Comment	Enter Comment	
Measure	Start measurement	
Start Button	Same as S-ICON but does not ask for input	

SAVE DATA

File	Select File in the Menu
Save(as)	Save data in proprietary format (Read only by this software) Data may be reviewed using Polarimeter Analysis program
Export	Save data as ASCII text file (Read by other programs such as EXCEL)

SHUTDOWN and EXIT

File	Select File in the Menu
Exit	Select Exit from Dropdown Menu
Program	Select Program in the Menu
Exit	Select Exit from Dropdown Menu
Push the On/Off button	Lower left corner of Console
Log Out	Log off instrument

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SIGN UP POLICY for the Olis Globalworks Cary 14 Spectrophotometer

This instrument is available on a walk in basis. There is currently no signup policy.

DISK POLICY for the Jasco Digital Polarimeter

Disk Storage: 35.0 GBytes Available Storage
    This data is mirrored on the NMRNET Server every 15 minutes
    Data will remain on this disk for 90 days after which it will be deleted

Server Storage: 12.5 GBytes Total Storage

The data will stay on the server for 90 days after which it will be either deleted or sent to an archive location at the group advisor's decision.

Your data may be retrieved from the Facility Server using the FTP program on your computer. The parameters are:
Hostname: nmrnet (nmrnet.usc.edu for off campus access)
Username: 'Group name'
Password: 'Group password'
Data: nmrdata*username*\POLARIM

Make sure to do a binary transfer.