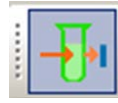


Choose **Data collection**



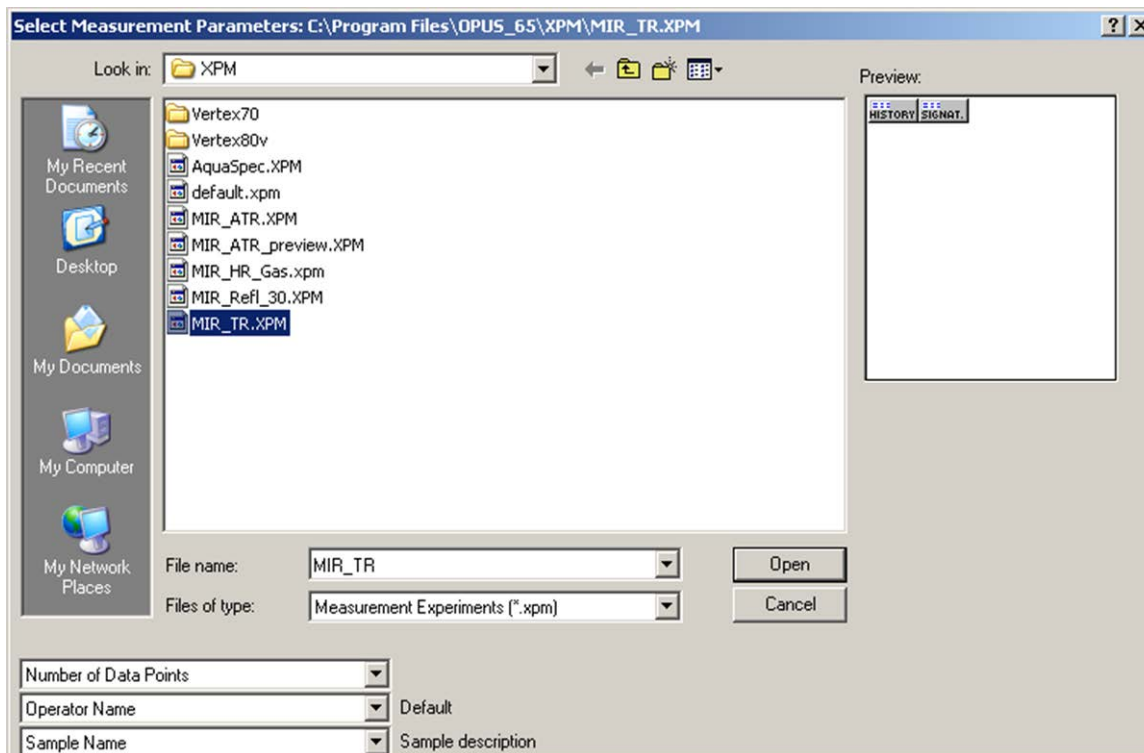
STEP 1: You will need to **LOAD** Experiment File **MIR_TR.XPM** or **MIR_ATR.XPM**
[Please DO

NOT OVERWRITE] -if not loaded and then set the parameters, filename and Paths.

The image shows a screenshot of a software window titled "Routine Measurement". The window has a blue title bar and a close button (X) in the top right corner. Below the title bar is a tabbed interface with the following tabs: "Basic" (selected), "Advanced", "Optic", "Acquisition", "FT", "Display", "Background", and "Check Signal". The "Basic" tab contains several input fields and buttons:

- "Experiment:" with a "Load" button and a text field containing "MIR_TR.XPM" (highlighted in yellow).
- "Operator name:" with a text field containing "Default".
- "Sample description:" with a text field containing "Sample description" and an "Auto" button.
- "Sample form:" with a text field containing "Instrument type and / or accessory" and an "Auto" button.
- "Path:" with a text field containing "C:\Program Files\OPUS_65\MEAS\".
- "File name:" with a text field containing "test2".

Below these fields are two buttons: "Background Single Channel" and "Sample Single Channel". At the bottom of the window are three buttons: "Save and Exit", "Cancel", and "Help".



Under **Advanced** Tab set:

File Name

Path

Resolution (**2- 8** for solids and liquids, High resolution **down to 0.3** for Gases)

Number of Sample Scans 16, 32,

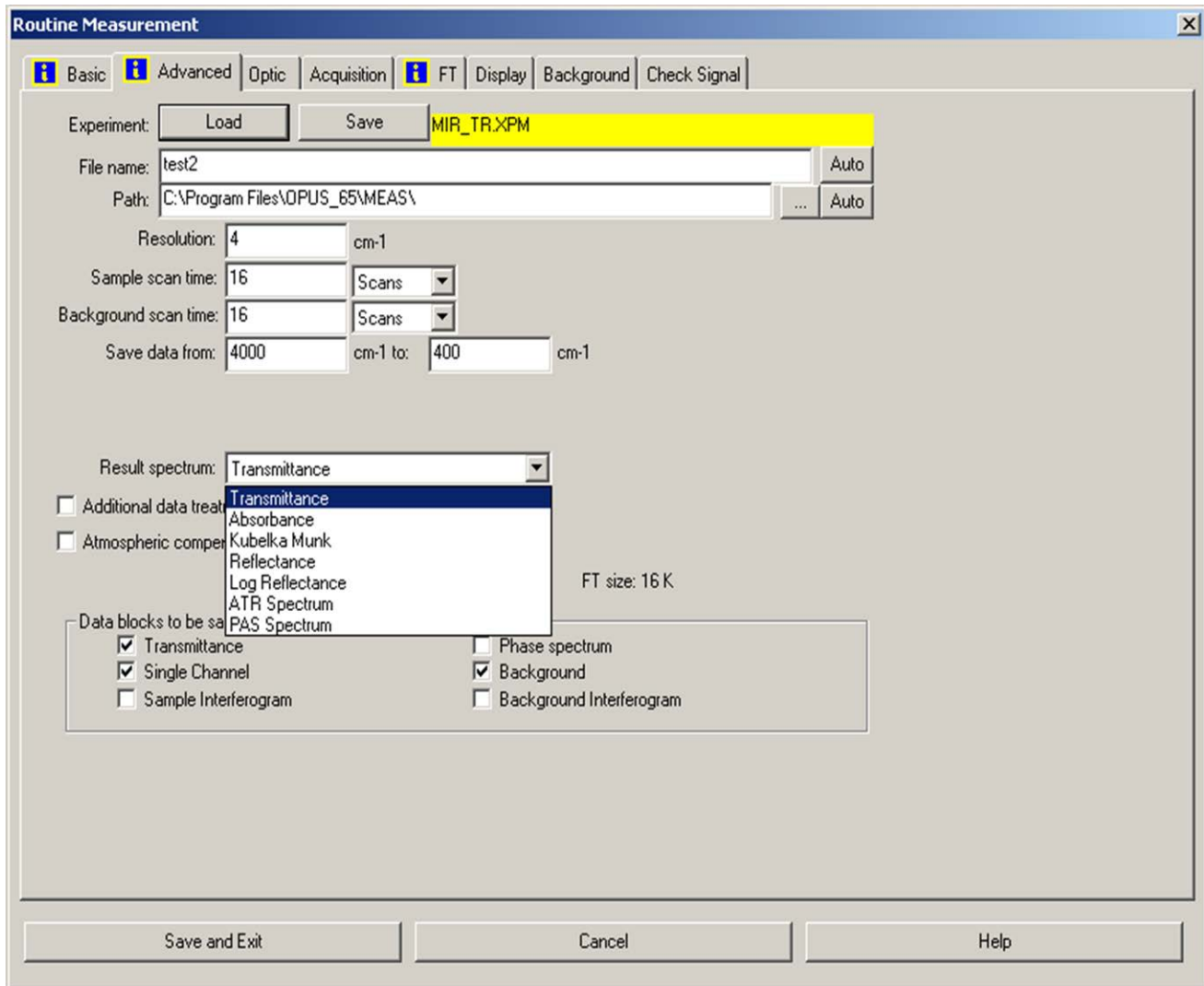
Number of background Scans 16, 32,

Range e.g. 4000 to 400

Result spectrum Transmittance, Abs,

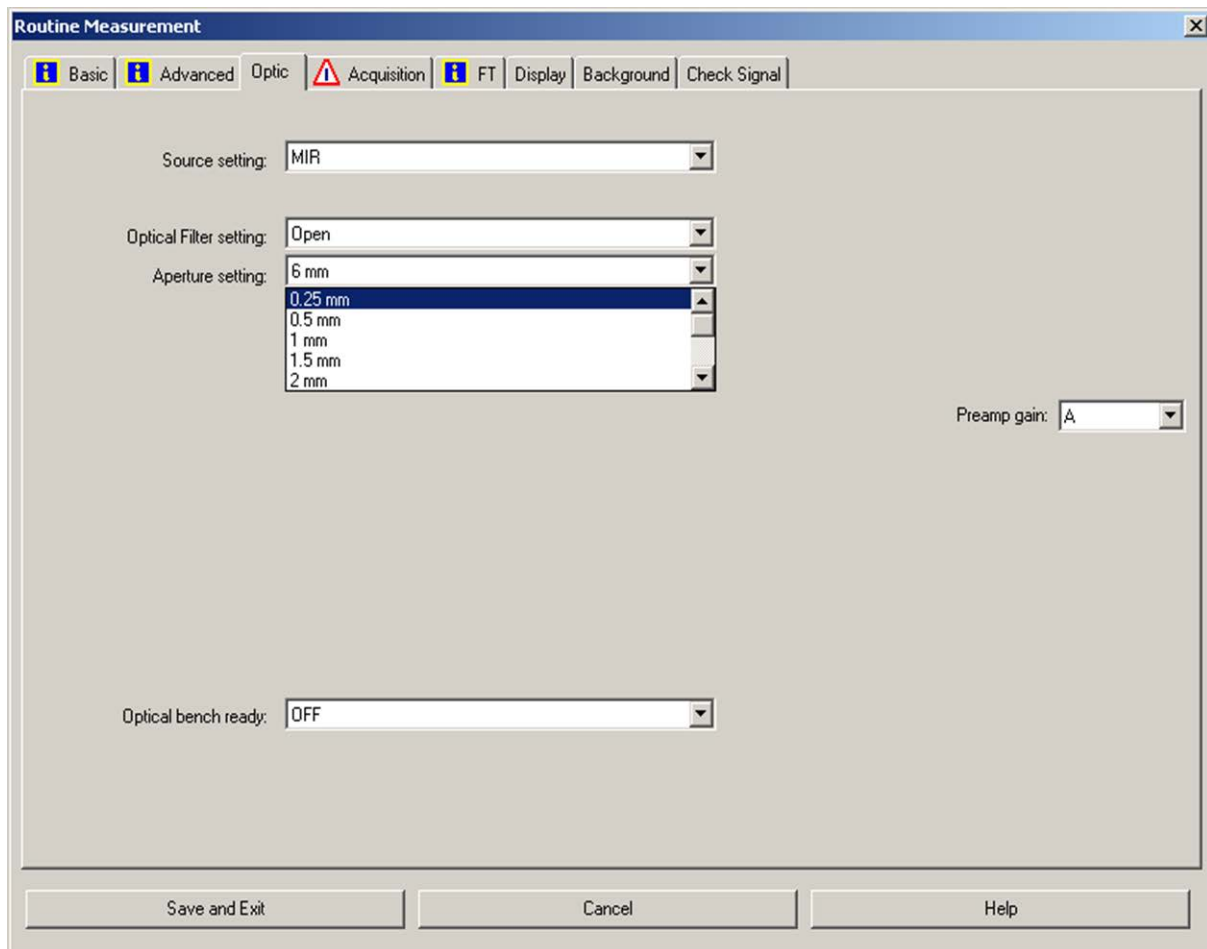
CHOOSE:

(sample), Data blocks to be saved--usually **Background** (reference), **Single channel**
and **%Transmittance** (Sample/Ref) or **Abs** (log (1/%T))



Under **OPTICS** Tab:

- Gases]** Check and set Resolution [2 to 8 for liquids and solids OK - as low as 0.3 for
- Caution- better resolution will slow the scan dramatically

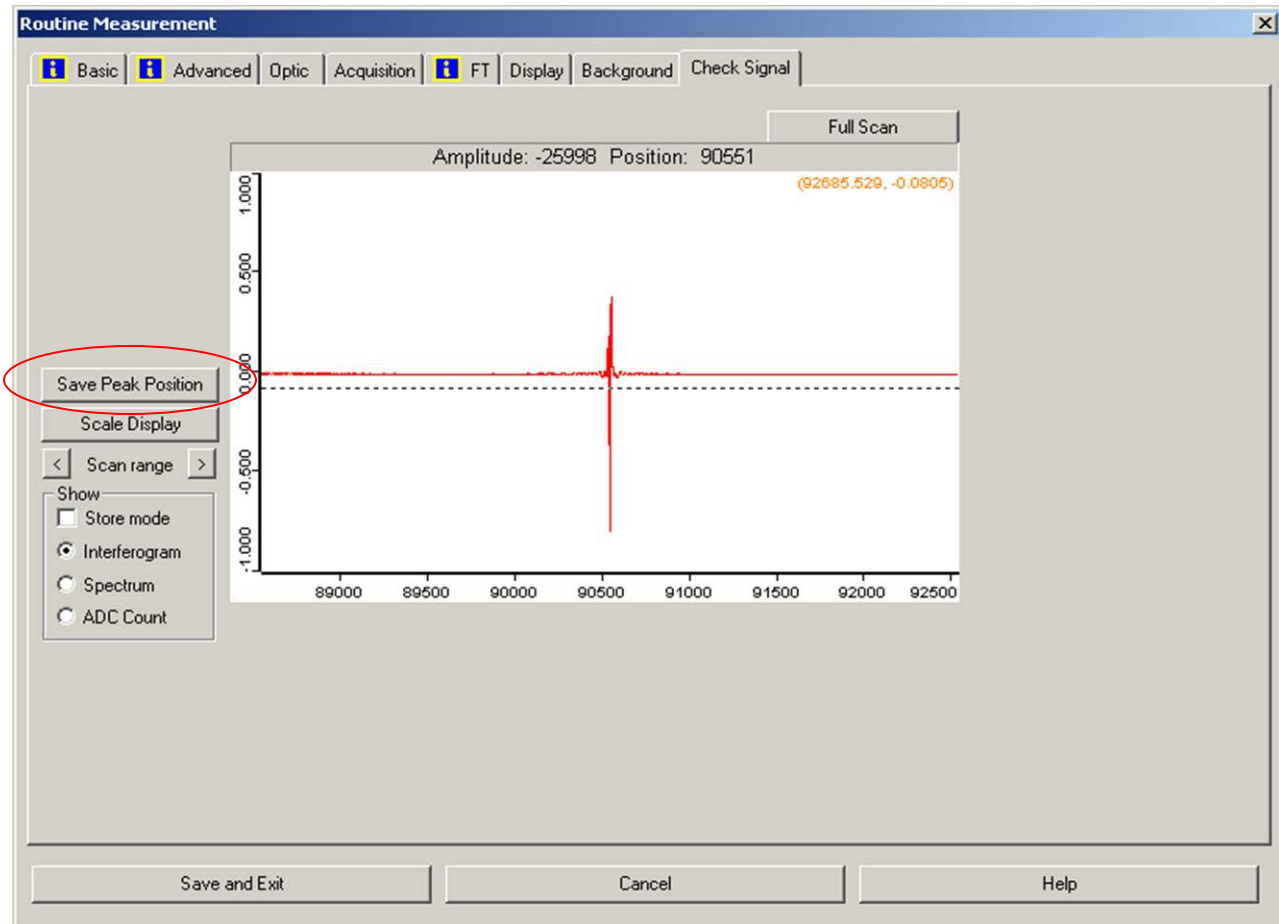


Acquisition, FT and Display Tabs--Not necessary to change

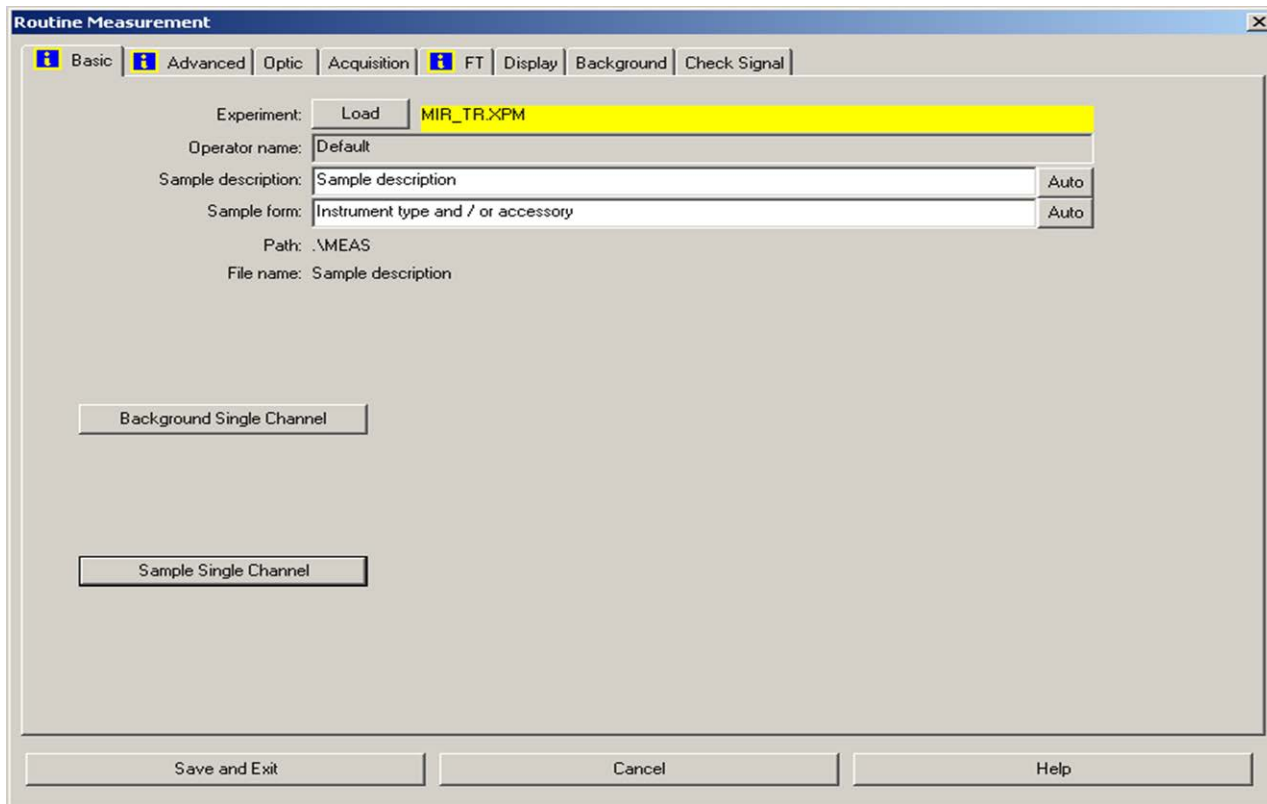
Background Tab -- If not collecting new background (Highly recommended)
can bring up old background or save one

STEP 2: CHECK SIGNAL

The Amplitude of the **signal** from the center burst of the Interferogram should be **>16000 with nothing** in the beam path and no ATR (with ATR 5000). Click the save peak position button on the left side of window.



STEP 3: **Background COLLECTION:**
Go Back to **Basic** page and collect **Background Single Channel**



STEP 4:

Sample COLLECTION:

In **Basic** page and collect Sample Single Channel