How to read this diagram:

Dashed lines are folders, solid lines are files (aka modules). Each module imports submodules below or to the right as indicated by solid lines. Modules in white are up and running, those in gray are planned for added functionality in the future.

Device Drivers are meant to handle communication with instruments and nothing else.

Control Logic modules handle high-rate data from the network interface card or local disk as well as controlling devices via appropriate drivers.

User interface modules are for top-level control and should rely heavily on Control Logic modules. Control Logic modules should be thought of as the 'meat' in the code sandwich.

Corr and adc5g are 3rd-party libraries that are ROACH dependencies and should be treated as 'black holes', do not touch them unless you're convinced it is absolutely necessary.

He6DAQ

User_Interface

Control_Logic

Device_Drivers

Command_Line_UI.py

class KryptonLineShape

class BetaSubspectrum

class GainVsFrequency

class SpectrumFaker

class FieldGradientScan

USER

INSTRUMENTS

RF_Synthesizer_Control.py
class SynthControl

Trap_Coil_Control.py

DAQ_Setup.py
class SetupROACH

FitCores.py
class CoreFit

Frequency_Domain_DAQ_Control.py
class DAQ_SpecWriter

Frequency_Domain_Packet_Receiver.py
class FDPreceiver

Frequency_Domain_Packet.py
class FDpacket

MiniCircuitsSSG6000RC.py
class MCSSG

adc5g

Kepco_BOP_100-4DL802E.py

ROACH.py
class ROACH

Corr

MetroLabPT2025.py

Digitizer.py

Log_Files

Config_Files

Documentation

Fit_Files