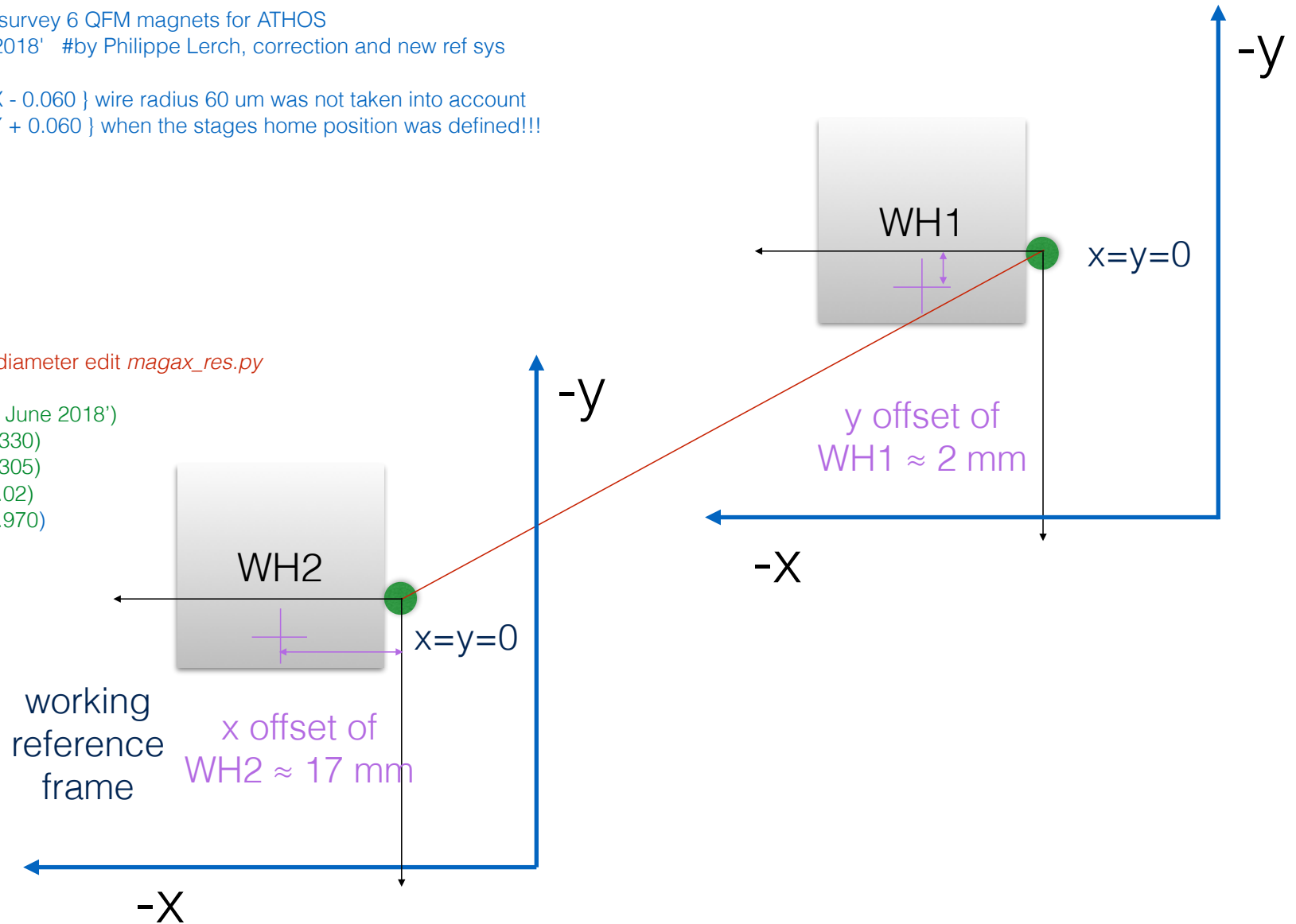# VW with wire @ "home" i.e. nominal axis

needed: edit offsets in *mylib_utils.py*

magnetSupport = 'QFM'
#this is the QFM rail plate needed to survey 6 QFM magnets for ATHOS
mag_home_MeasDate = '26th June 2018'   #by Philippe Lerch, correction and new ref sys
mag_home_1H = 0.330 #}
mag_home_2H = 0.305 #} Xcorr = X - 0.060 } wire radius 60 um was not taken into account
mag_home_1V = -1.020 #} Ycorr = Y + 0.060 } when the stages home position was defined!!!
mag_home_2V = -0.970 #}
table_RX =   396.195
table_RY =   303.910
table_RZ =   483.731
table_LX =   409.951
table_LY =   300.502
table_LZ = -1283.839

caveat: if offsets in exclude the wire diameter edit *magax_res.py*

dates_WrongHomePos.append('26th June 2018')
stage1H_WrongHomePos.append(0.330)
stage2H_WrongHomePos.append(0.305)
stage1V_WrongHomePos.append(-1.02)
stage2V_WrongHomePos.append(-0.970)

WH1

x=y=0

-y

-x

y offset of
WH1 ≈ 2 mm

WH2

x=y=0

-y

-x

working
reference
frame

x offset of
WH2 ≈ 17 mm

linear stage "absolute" coordinates to adjust in (mylib_utils.py)

PhL, 07.2018