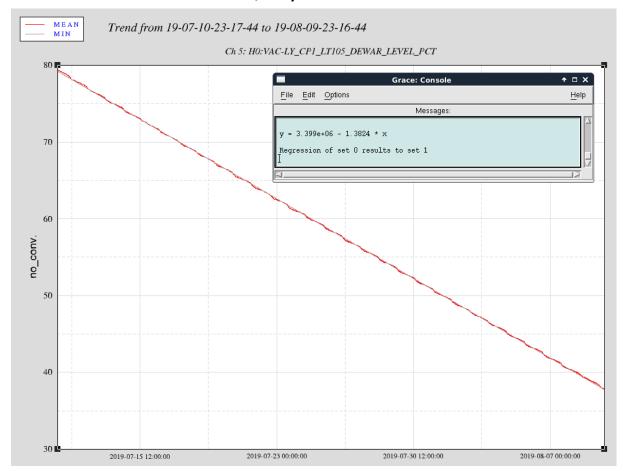
LHO Cryopump LN2 Consumption

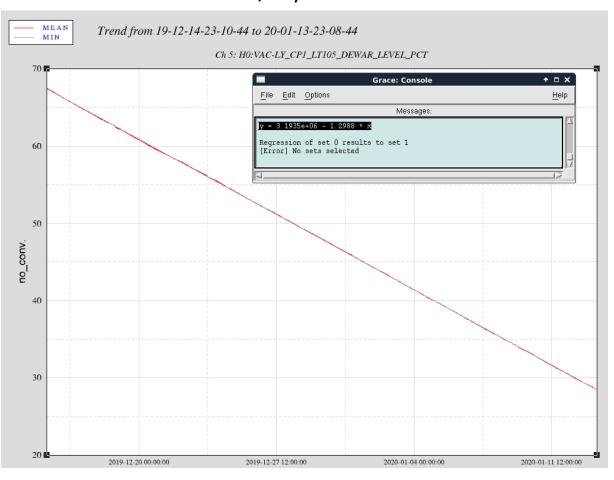
Chandra Romel January 13, 2020

E2000012-v1

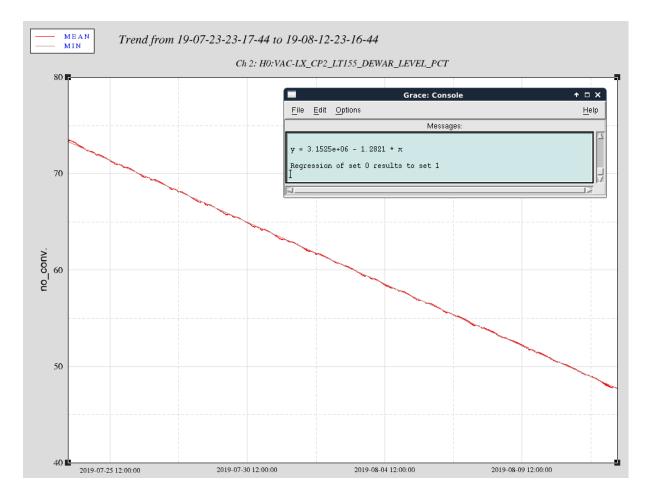
Summer 1.4%/day Dewar draw down



Winter 1.3%/day Dewar draw down



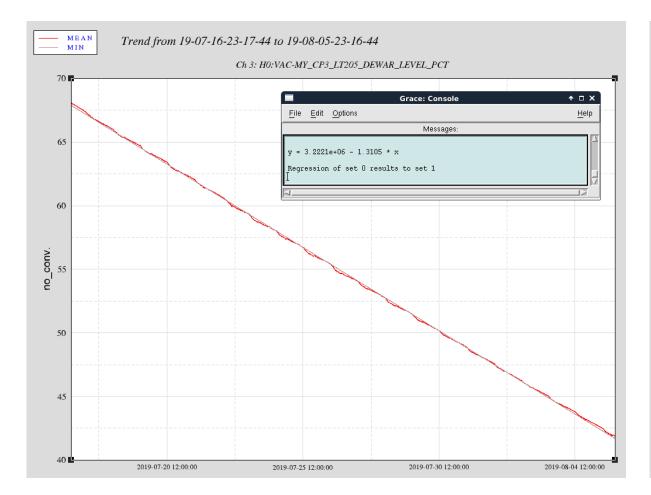
Summer 1.3%/day Dewar draw down



Winter 1.2%/day Dewar draw down



Summer 1.3%/day Dewar draw down



Winter 1.1%/day Dewar draw down



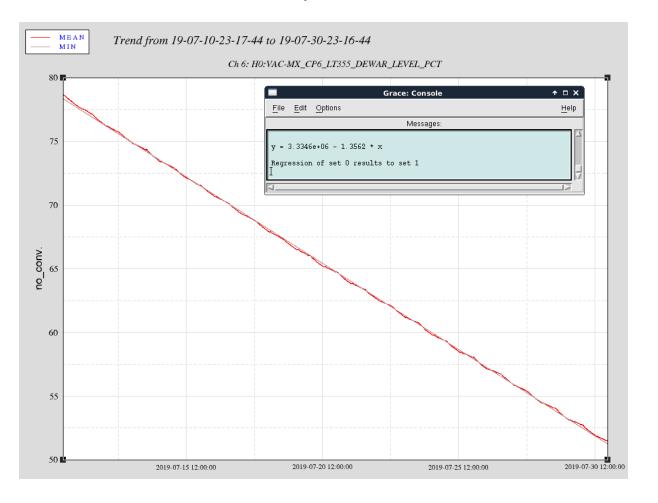
Summer 1.2%/day Dewar draw down

MEAN Trend from 19-07-16-23-17-44 to 19-08-05-23-16-44 MIN Ch 4: H0:VAC-MX_CP5_LT305_DEWAR_LEVEL_PCT **Grace: Console** + □ X File Edit Options <u>H</u>elp Messages: y = 2.986e+06 - 1.2145 * x Regression of set 0 results to set 1 70 2019-08-04 12:00:00 2019-07-20 12:00:00 2019-07-25 12:00:00 2019-07-30 12:00:00

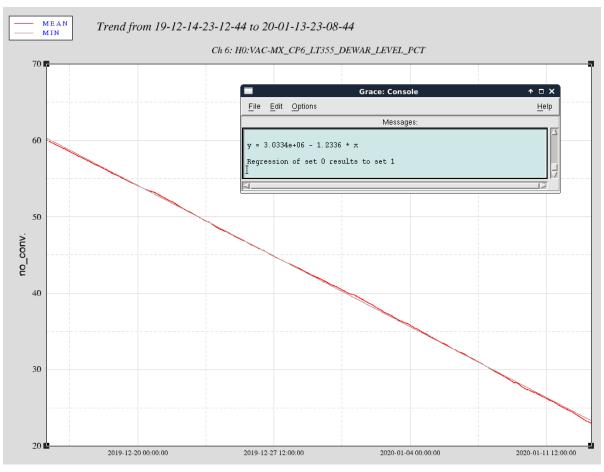
Winter 1.2%/day Dewar draw down



Summer 1.4%/day Dewar draw down



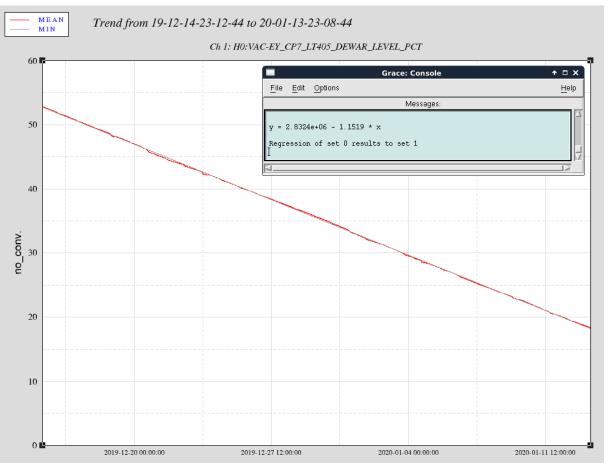
Winter 1.2%/day Dewar draw down



Summer 1.2%/day Dewar draw down



Winter 1.2%/day Dewar draw down



Summer 1.3%/day Dewar draw down



Winter 1.3%/day Dewar draw down

