mag t, mic nav state t > MicObservable < MicMagCompensator > - time sync tolerance _data_remain_time # observers data storage # mtx + MicDataStorer() + MicObservable() + ~MicDataStorer() + ~MicObservable() + add data() + notify() + get_data_range() + subscrible() + get_data_size() + unsubscrible() + get_data() get data impl() get_data_impl() # mag truth storer # mag measure storer MicMagCompensator # curr time stamp # _state # _version + MicMagCompensator() + ~MicMagCompensator() + get data storer() + get_curr_time() + add_data() + add data truth() + calibrate() + compenste() + load model() + save model() # do_calibrate() # do compenste() # serialize() # deserialize() MicEllipsoidMagCompensator # D tilde inv # o hat # R opt + MicEllipsoidMagCompensator() + ~MicEllipsoidMagCompensator() + fit ellipsoid model() + fit Is rotation() # do_calibrate() # do_compenste() # serialize() # deserialize() # ellipsoid_fit() # compute_model_coeffs() # ceres_optimize() # ls fitting()

MicDataStorer < mic