



Paris, le 6 juillet 2018

Dear Federico Nati,

With this letter I would like to express my strong support, as the QUBIC Collaboration Principal Investigator, for your project POLOCALC of a drone calibration for ground based CMB Polarization instruments. This idea is extremely appealing as it would solve many issues we are facing when trying to calibrate accurately calibration angles for CMB Polarimeters. Furthermore, as you know, QUBIC has a specific self-calibration procedure, related to its interferometric nature, that is very promising to control most of the usual instrumental systematics of a CMB polarimeter. This self-calibration relies on the use of an artificial source that would be much more efficient if carried by a drone as you propose.

I sincerely hope you will obtain the required funding for this R&D that will benefit to the whole CMB Polarization community, and particularly to QUBIC in which your institute is heavily involved.

With my best regards,

Dr. JC Hamilton
Principal Investigator of QUBIC

Jean-Christophe Hamilton ✉ hamilton@apc.univ-paris7.fr

<http://www.apc.univ-paris7.fr/~hamilton/>

☎ + 33 1 57 27 69 26 ① + 33 6 88 01 06 75