

Interactive comment on “Maïdo observatory: a new altitude station facility at Reunion Island (21 S, 55 E) for long-term atmospheric remote sensing and in-situ measurements” by J.-L. Baray et al.

Anonymous Referee #2

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This paper is an overview of the new NDACC observation site at Maito, Ile de la Reunion. It introduces the site and instruments that are housed there. It gives important geographic and logistic characteristics that make it a unique site on the globe. There is no new science described in the paper. It may be of use as a reference in subsequent research papers.

Many instruments currently at Maito were previously at other sites on Ile de la Reunion. There is some discussion of this but it should be better outlined in a table such that this

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historical information is gathered here for future reference without this there is less of a point to publish this document. This includes where any of the existing data is stored for future collaboration or re-analysis.

Technical details

p6373 line12 : "allows to" : provides is better. further this idiom is used throughout the text and is an awkward construct and is best avoided.

line 16: "survey" : surveys

line 23: "Several" should be 2 or add more networks

p6374 line 13: "instrumentations" : instrumentation

line 15: 1990's there should be a start date

line 15 : localized : located

line22 : the interstitial : interstitial

line 23 : included in the cloud droplets : included within cloud droplets

p6375 line 8 L Localisation and atmospheric processes : Location and atmospheric processes

p6376 line21 : of the 90s : when really?

p6377 line 2 : an altitude a high altitude

line 3 : was in the air : desired ... oh I get it haha

p6378 line 7 : Several studies were first based on radiosounding and ozone LiDAR measurements and allowed to characterise the biomass burning influence on : Several studies were first based on radiosounding and ozone LiDAR measurements that characterized the biomass burning influence on

p6382 line5 : an obturation frequency of 800 Hz. : not sure obturation is the correct

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term...

p6386 line16 : corrugated horn of 80 cm long : corrugated horn 80 cm long

p6387 line10 : This instrument gives the opportunity to receive external teams to perform measurements with this instrument and/or other radiometric instruments for inter-comparisons. : This instrument provides an opportunity for external teams to perform measurements with this or other radiometric instruments for intercomparisons.

line15 : But the site also offers interesting characteristics for studying in situ properties of atmospheric gases and aerosols in a unique environment : But the site also provides a unique platform for studying in situ properties of atmospheric gases and aerosols.

p6388 line5 : Furthermore, specific studies can be driven under cloudy conditions : Furthermore, specific studies can be performed under cloudy conditions

line11 : with the objective to provide qualified data : to provide qualified data

p6390 line11 built : build

line17 : physic-chemical : physical-chemical : & 2 other instances

p6391 line15 aerosols and get rid of local : without

table 1 : add columns or another table for pre-existing instruments, data and start dates

Fig 1 : map a is largely useless, map b orientation to North?

Fig 2 orientation to North?

Interactive comment on Atmos. Meas. Tech. Discuss., 6, 6371, 2013.