Supplementary material for:

Measurement Report: Bio-physicochemistry of tropical clouds at Maïdo (Réunion Island, Indian Ocean): overview of results from the BIO-MAÏDO campaign

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Table S1. Daily operation of instruments deployed during the campaign. Code 0 = non data, code 1 = normal operation, code 2 = discontinuous operation, code 3 = degraded performance

	13/03/2019	14/03/2019	15/03/2019	16/03/2019	17/03/2019	18/03/2019	19/03/2019	20/03/2019	21/03/2019	22/03/2019	23/03/2019	24/03/2019
PF NOx, NO, NO2, O3	2	1	1	1	1	1	1	1	1	2	1	1
PF PM2.5	2	1	1	1	1	1	1	1	2	2	1	1
PF SO2	2	2	2	2	2	2	2	2	2	2	2	2
PF T, RH	2	1	1	1	1	1	1	1	1	2	1	1
PF wind	2	1	1	1	1	1	1	1	2	2	1	1
PF CO	2	2	2	2	2	2	2	2	2	2	0	0
PF CPC	0	0	0	0	0	0	0	0	0	0	0	0
PF PAR	1	2	2	2	2	2	1	1	1	1	1	1
PF PTR-MS	2	1	1	1	1	0	0	0	0	2	2	0
PF HVS PM10	1	1	1	1	1	1	1	1	1	1	1	1
PF ceilometer	2	1	1	1	1	1	1	1	1	1	1	1
PF HCHO	0	0	0	0	0	0	0	0	0	0	0	0
DOS CPC	1	1	1	1	1	1	1	1	1	1	1	1
DOS SMPS	1	1	1	1	1	1	1	1	1	1	1	1
DOS CNCN		1	1	1	1	1	1	1	1	1	1	1
DOS OPC	1	1	1	1	1	1	1	1	1	1	1	1
DOS Welas	1	1	1	1	1	1	1	1	1	1	1	1
DOS Fog Monitor	1	1	0	0	0	0	0	0	0	2	1	1
DOS LIDAR	2	0	0	0	0	0	2	1	1	2	0	0
DOS ceilometer	0	0	0	0	0	0	2	1	1	1	1	1
DOS PWD	0	0	0	0	0	1	1	1	1	1	1	1
DOS balloon	1	1	1	0	0	1	1	1	0	0	1	1
HM all except PTR-MS and SAS	1	1	1	1	1	1	1	1		1	1	1
HM PTR-MS	3	3	3	3	3	3	3	3	3	3	3	3
HM SASS	0	0	0	0	0	1	1	1	1	1	1	1
PO cloud sampling	0	1	1	0	0	1	1	0	1	1	0	0
MO. ACSM	1	1	1	1	1	1	1	1	1	1	1	1
MO HCHO	2	2	2	2	2	2	2	2	2	2	1	1
MO Fog Monitor	1	1	1	1	1	1	1	1	1	0	0	0
MO others	1	1	1	1	1	1	1	1	1	1	1	1
MO O3, SO2	1	1	1	1	1	1	1	1	2	1	1	1
MO CO	2	1	1	1	1	1	1	1	2	1	1	1
MO CPC	0	0	2	1	1	1	1	1	1	1	1	1
MO PTR-MS	1	1	1	1	1	2	2	1	1	1	1	1
MO HVS PM10	1	1	1	1	1	1	1	1	1	1	1	1

	25/03/2019	26/03/2019	27/03/2019	28/03/2019	29/03/2019	30/03/2019	31/03/2019	01/04/2019	02/04/2019	03/04/2019	04/04/2019
PF NOx, NO, NO2, O3	1	1	2	2	2	1	1	1	1	1	1
PF PM2.5	1	1	1	1	2	1	1	1	1	1	1
PF SO2	2	2	0	2	2	2	2	2	2	2	2
PF T, RH	1	1	0	2	2	1	1	1	1	1	1
PF wind	1	1	2	2	2	1	1	2	1	1	1
PF CO	2	2	2	2	2	2	2	2	2	2	2
PF CPC	0	0	0	0	0	0	0	1	1	1	1
PF PAR	1	2	1	1	1	1	2	1	1	1	1
PF PTR-MS	0	0	0	1	3	3	1	1	1	1	2
PF HVS PM10	1	1	1	1	1	1	1	1	1	1	1
PF ceilometer	1	1	1	1	1	1	1	1	1	1	1
PF HCHO	0	0	0	2	3	2	1	2	2	1	1
DOS CPC	1	1	1	1	1	1	2	2	1	1	1
DOS SMPS	1	1	1	1	1	1	2	1	1	1	1
DOS CNCN	1	1	1	1	3	2	1	1	1	1	1
DOS OPC	1	1	1	1	1	1	1	1	1	1	1
DOS Welas	1	1	1	1	2	0	2	1	1	1	1
DOS Fog Monitor	1	1	1	1	0	1	1	1	1	1	1
DOS LIDAR	0	2	1	2	0	0	0	2	3	3	3
DOS ceilometer	1	1	2	1	1	1	2	2	2	2	2
DOS PWD	1	1	1	1	1	1	2	2	1	1	0
DOS balloon	0	1	1	1	1	1	0	1	1	1	1
HM all except PTR-MS and SAS	1	1	1	1	1	1	1	1	1	1	1
HM PTR-MS	3	3	3	3	3	2	1	1	2	1	1
HM SASS	0	1	1	1	1	1	1	1	1	1	1
PO cloud sampling	0	1	0	1	0	1	0	1	1	1	1
MO. ACSM	1	1	1	1	1	1	1	1	1	1	2
MO HCHO	2	2	0	0	0	0	0	0	0	0	0
MO Fog Monitor	0	0	0	0	0	0	0	0	0	0	0
MO others	1	1	1	1	1	1	1	1	1	1	1
MO O3, SO2	1	1	1	1	1	1	1	1	1	1	1
MO CO	1	1	1	1	1	1	0	1	1	1	1
MO CPC	1	1	1	1	1	1	1	1	1	1	0
MO PTR-MS	1	1	1	1	1	1	1	1	2	1	1
MO HVS PM10	1	1	1	1	1	1	1	1	1	1	1
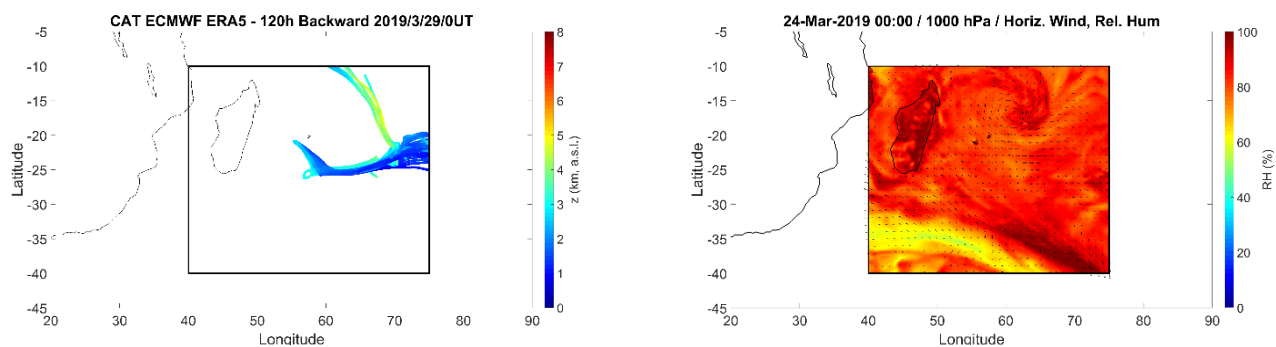
Figure S1. (a) 5 days back-trajectories arriving to Réunion island calculated with CAT and ECMWF wind fields from the 28 March 2019 at 00 UTC. (b) Horizontal wind field (arrows) and relative humidity (color scale) at 1000hPa the 24th of March 2019 at 00 UTC.