

Supplementary information

All synchrosqueezed transform (SST) analysis plots for time periods when there is a 1 cpd or 1 cpd signal in the drip discharge rate are displayed below.

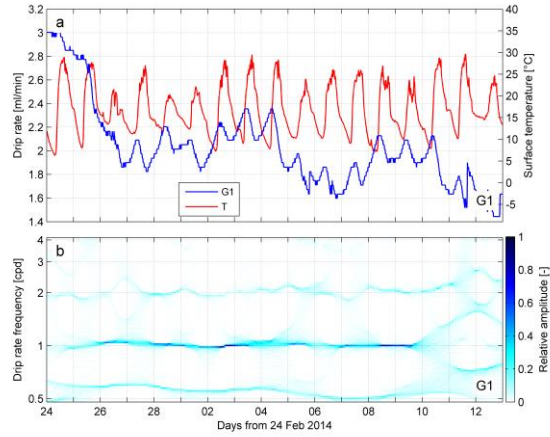


Figure S1 SST plot for site G1 between 24/02/2014- 12/03/2014

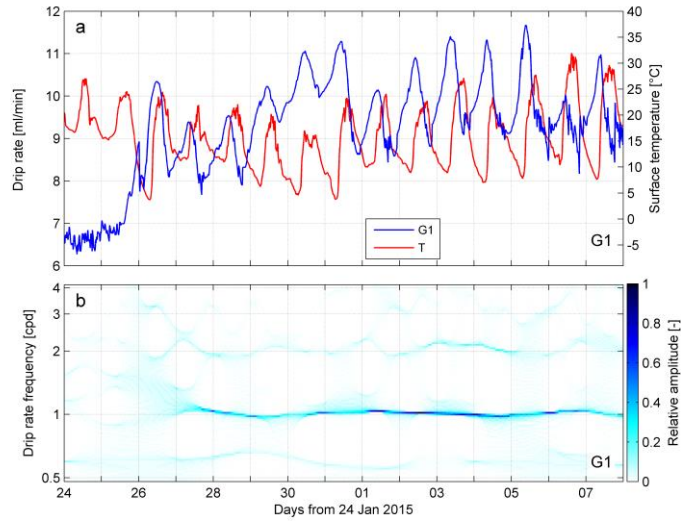


Figure S2 SST plot for site G1 for the period 24/01/2015- 07/02/2015

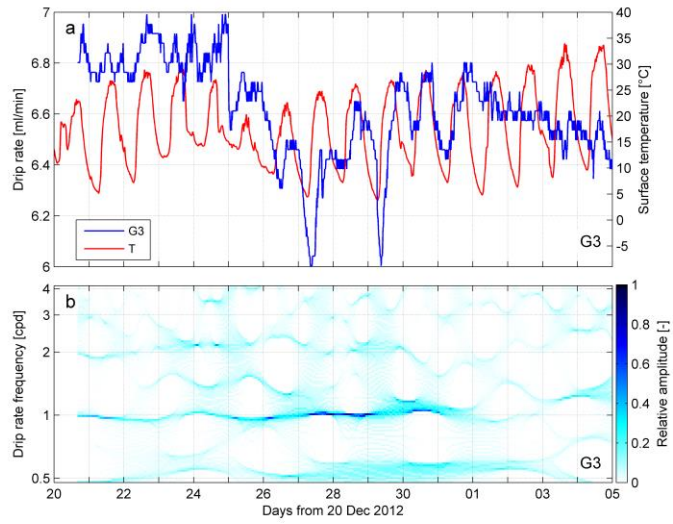


Figure S3 SST plot for site G3 for the period 20/12/2012-05/01/2013

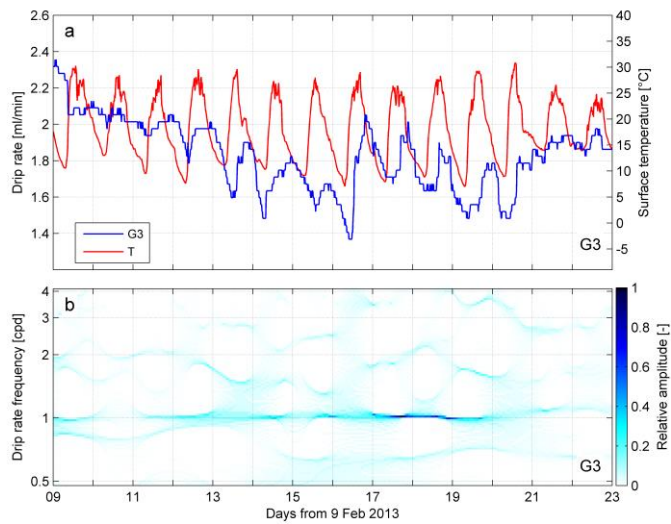


Figure S4 SST plot for site G3 for the period 09/02/2013-23/02/2013

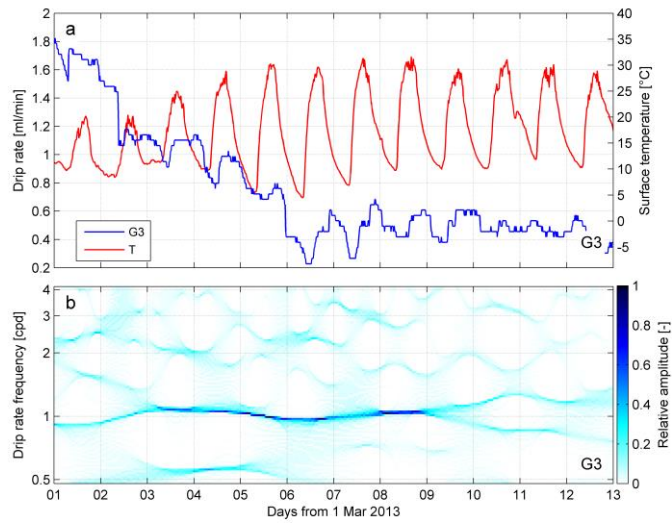


Figure S5 SST plot for site G1 for the period 01/03/2013-13/03/2013

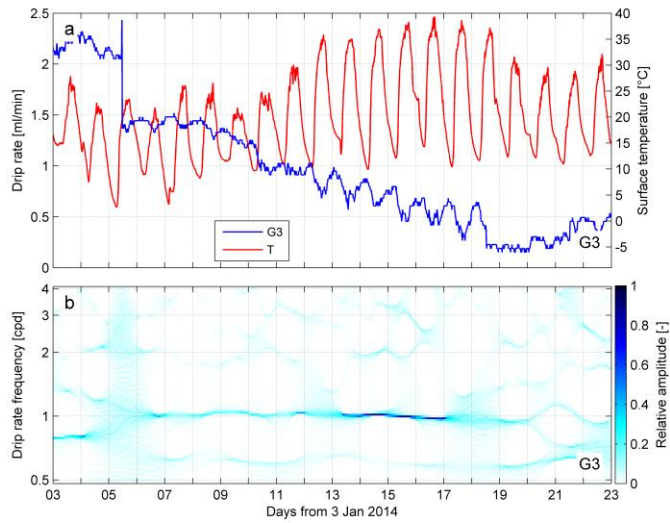


Figure S6 SST plot for site G3 for the period 03/01/2014-23/01/2014

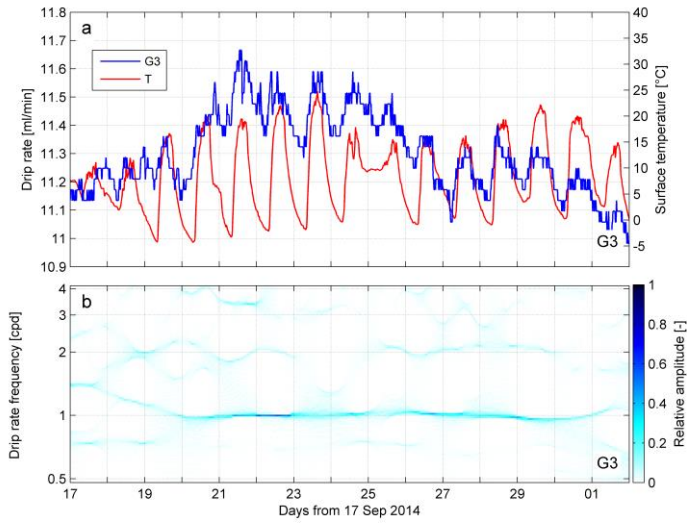


Figure S7 SST plot for site G3 for the period 17/09/2014-01/10/2014

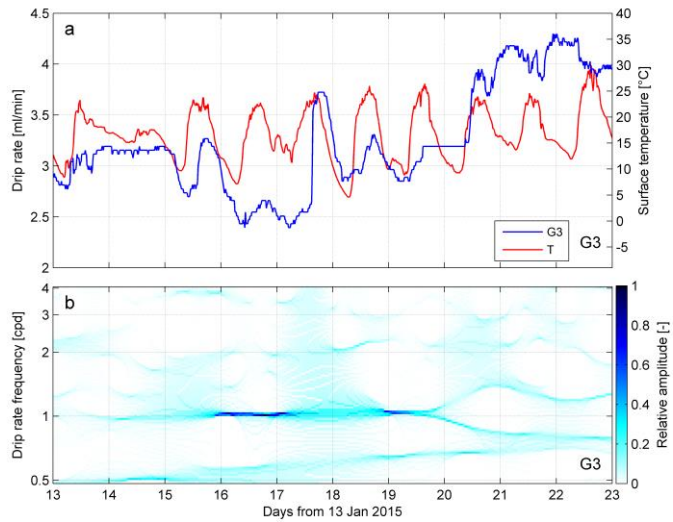


Figure S8 SST plot for site G3 for the period 13/01/2015-23/01/2015

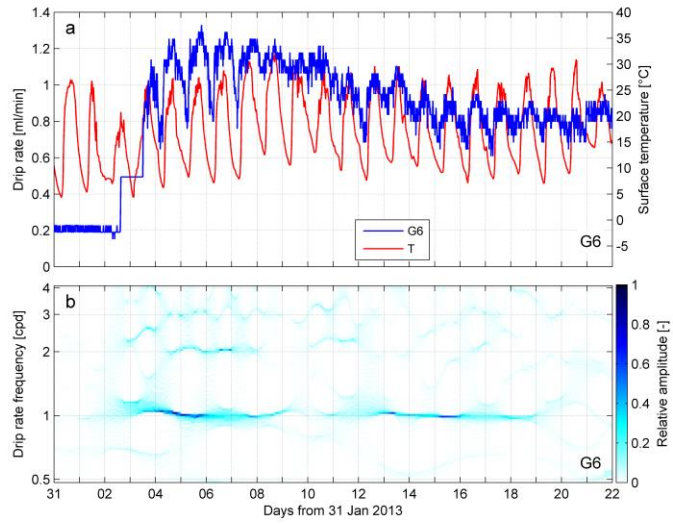


Figure S9 SST plot for site G6 for the period 31/01/2013- 22/02/2013

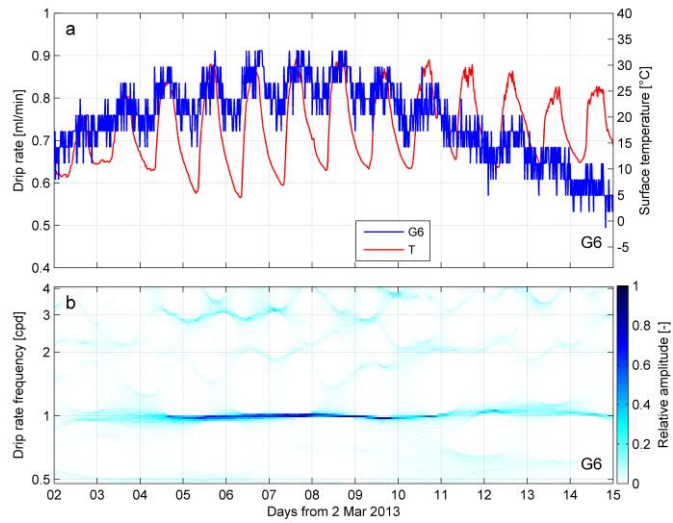


Figure S10 SST plot for site G6 for the period 02/03/2013-15/03/2015

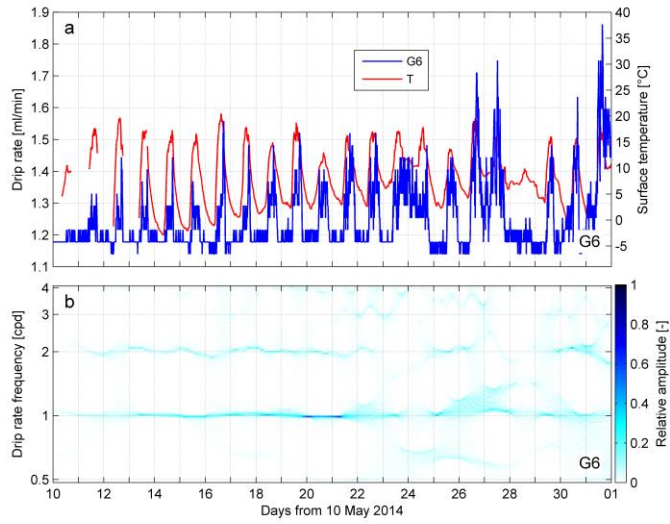


Figure S11 SST plot for site G6 for the period 10/05/2014- 01/06/2014

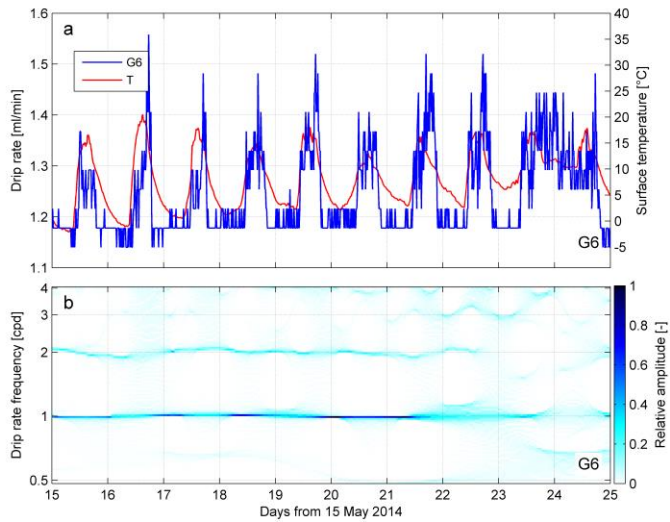


Figure S12 SST plot for site G6 for the period 15/05/2014-25/05/2014

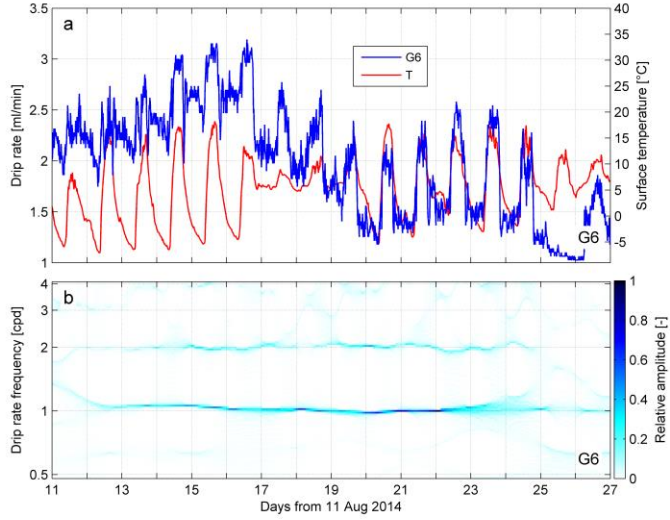


Figure S13 SST plot for site G6 for the period 11/08/2014- 27/08/2014

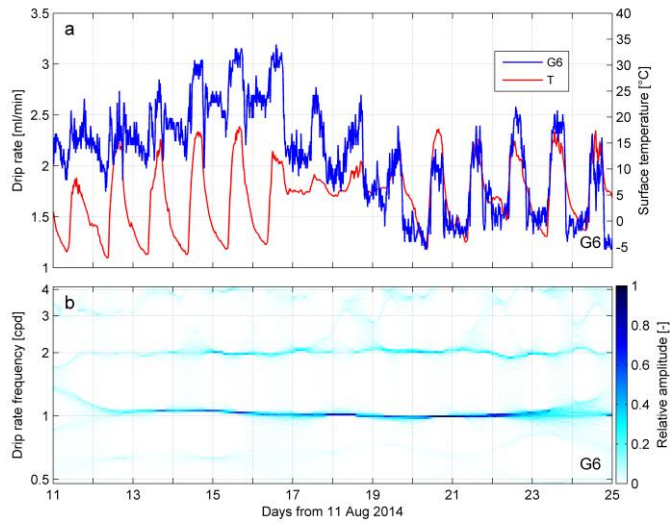


Figure S14 SST plot for site G6 for the period 11/08/2014- 25/08/2014

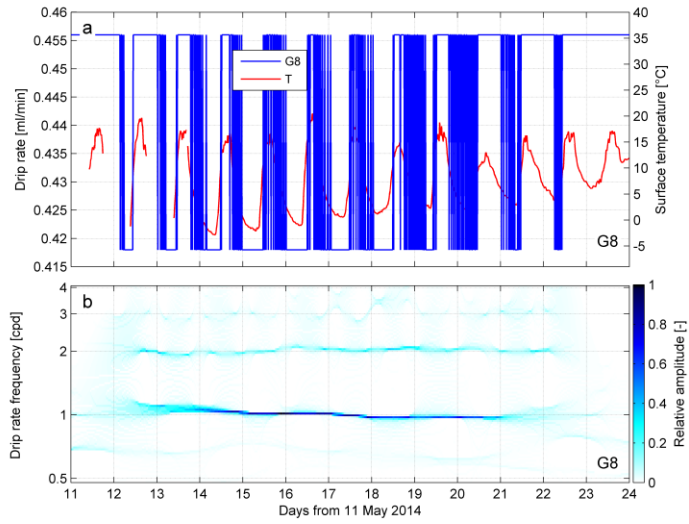


Figure S15 SST plot for site G8 for the period 11/05/2014- 24/05/2014

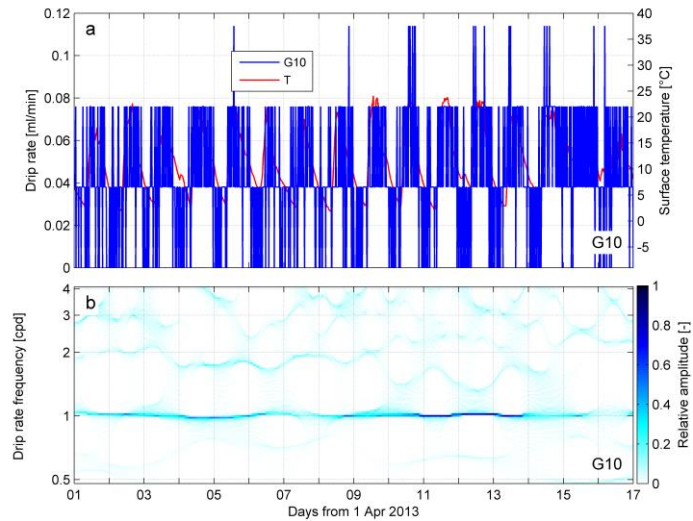


Figure S16 SST plot for site G10 for the period 01/03/2013-17/04/2013

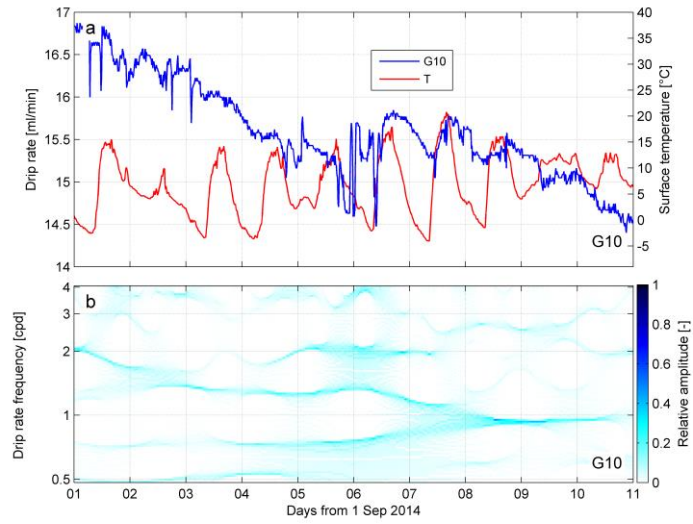


Figure S17 SST plot for site G10 for the period 01/09/2014- 11/09/2014

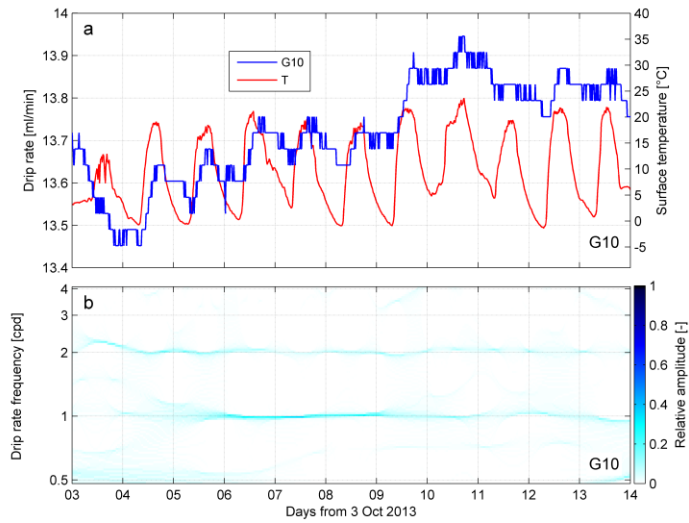


Figure S18 SST plot for site G10 for the period 03/10/2013- 14/10/2013

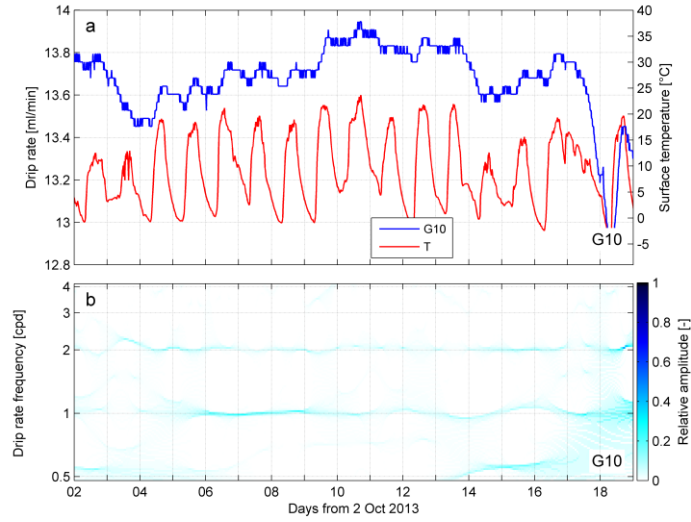


Figure S19 SST plot for site G10 for the period 02/10/2013- 19/10/2013

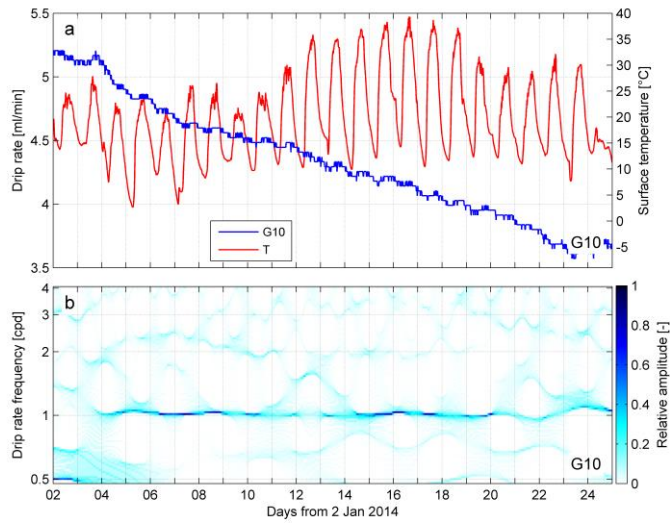


Figure S20 SST plot for site G10 for the period 02/01/2014- 25/01/2014

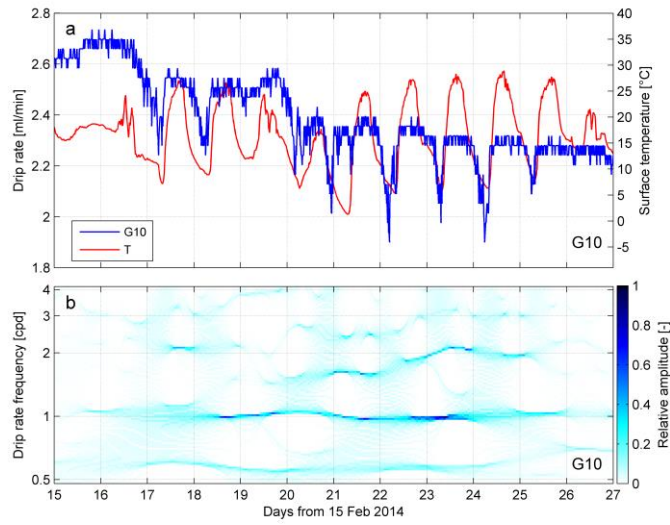


Figure S21 SST plot for site G10 for the period 15/02/2014- 27/02/2014

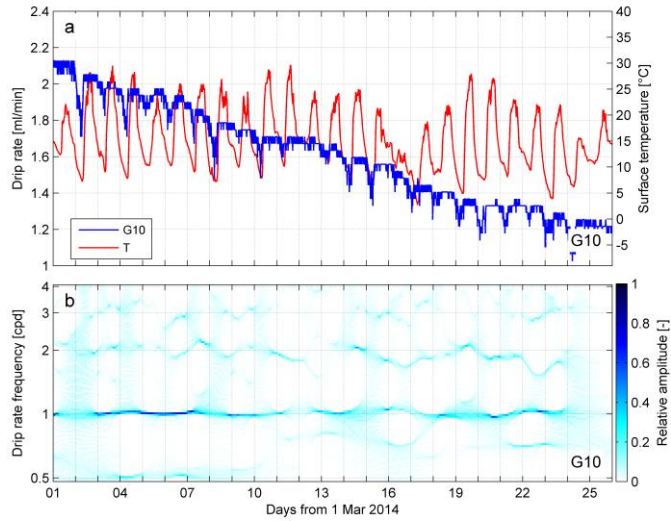


Figure S22 SST plot for site G10 for the period 01/03/2014- 25/03/2014

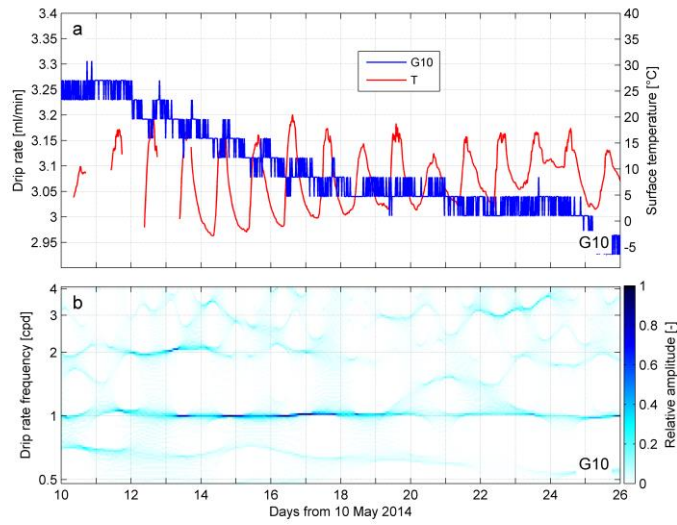


Figure S23 SST plot for site G10 for the period 10/05/2014- 26/05/2014

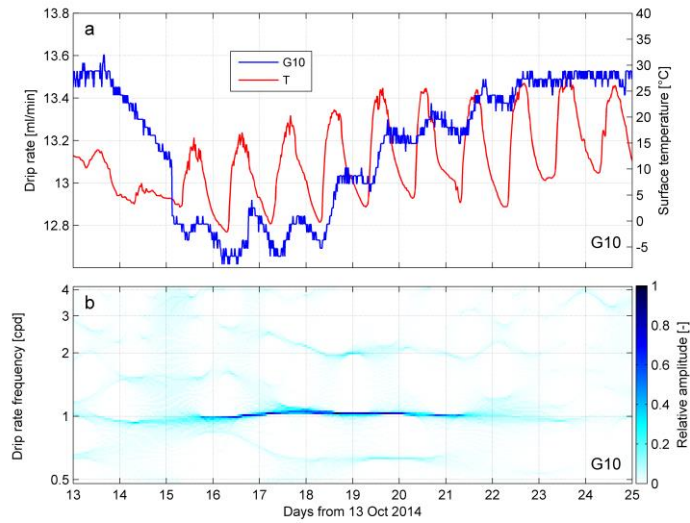


Figure S24 SST plot for site G10 for the period 13/10/2014- 25/10/2014

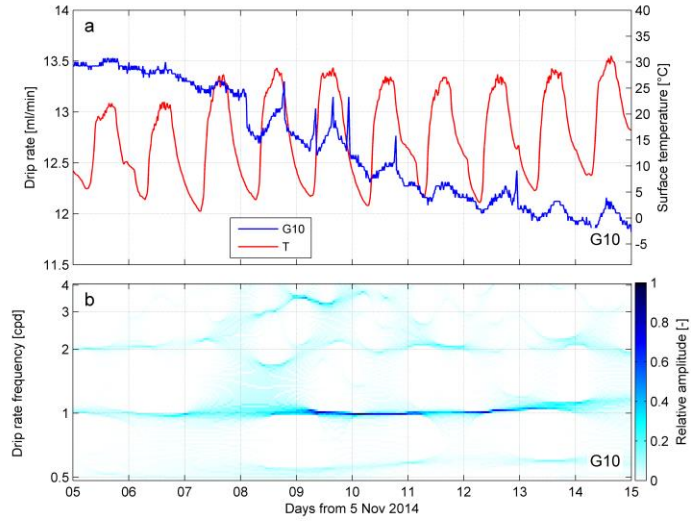


Figure S25 SST plot for site G10 for the period 05/11/2014- 15/11/2014

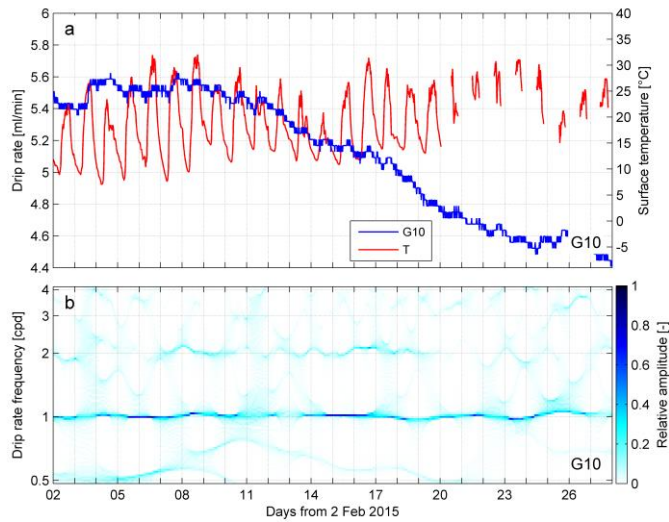


Figure S26 SST plot for site G10 for the period 02/02/2015- 26/02/2015

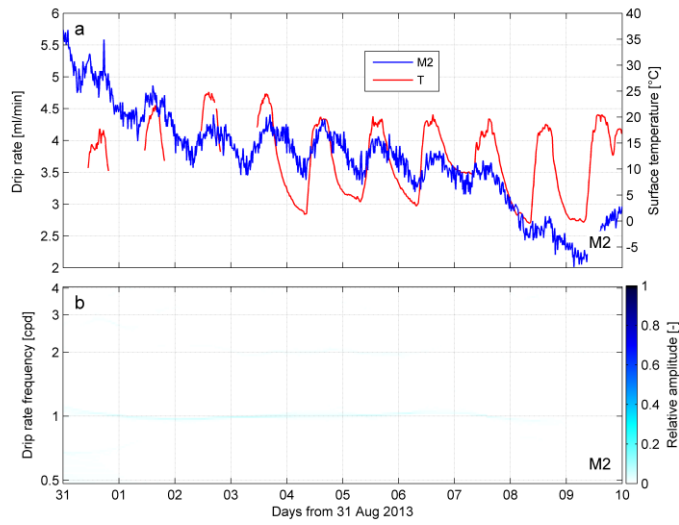


Figure S27 SST plot for site M2 for the period 31/08/2013- 10/08/2013

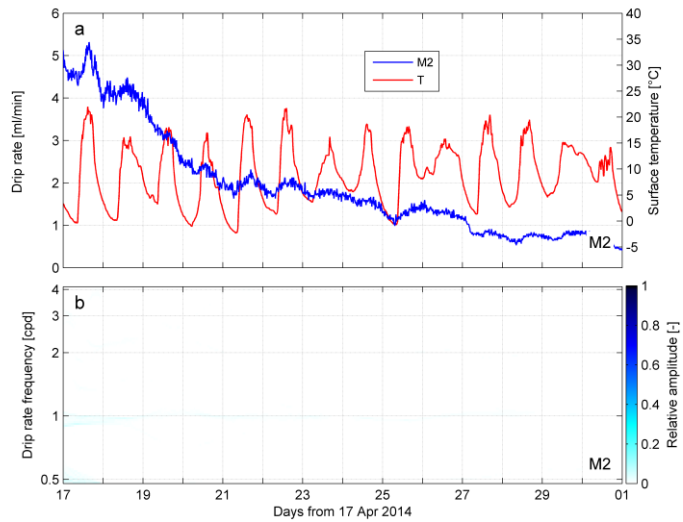


Figure S28 SST plot for site M2 for the period 17/04/2014- 01/05/2014

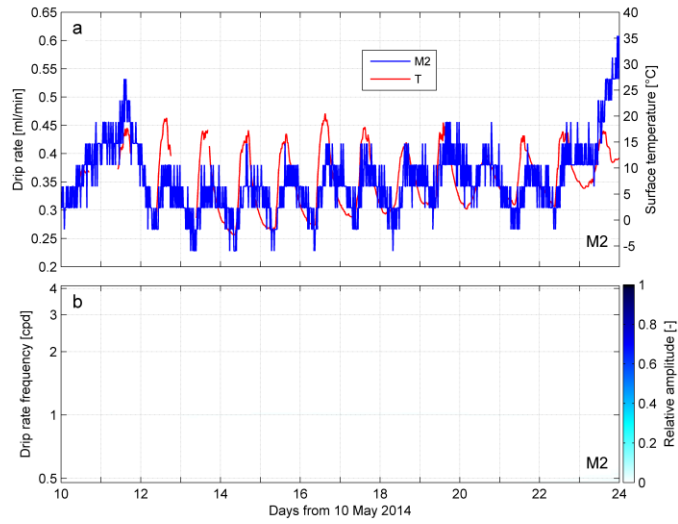


Figure S29 SST plot for site M2 for the period 10/05/2015-24/05/2015

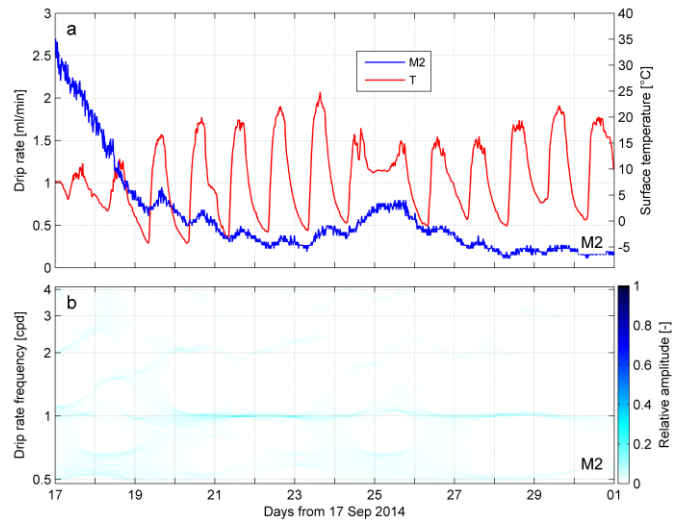


Figure S30 SST plot for site M2 for the period 17/09/2014-01/10/2014

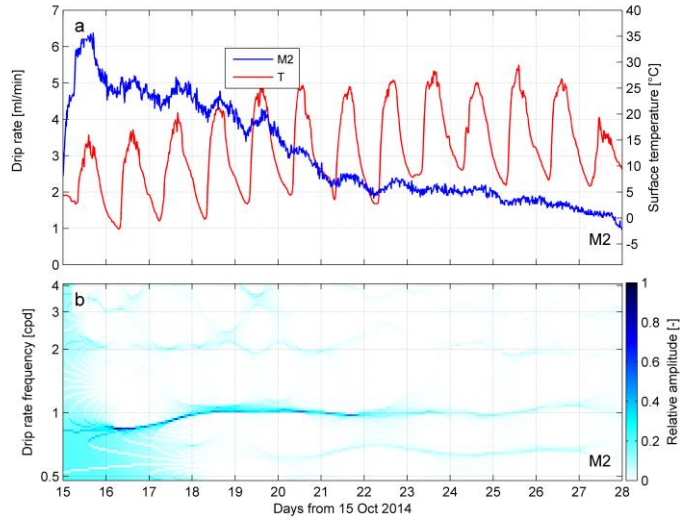


Figure S31 SST plot for site M2 for the period 15/10/2014- 28/10/2014

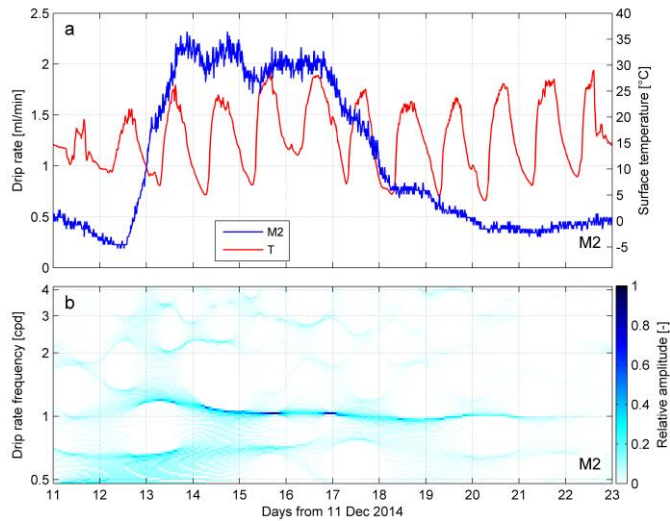


Figure S32 SST plot for site M2 for the period 11/12/2014- 23/11/2014

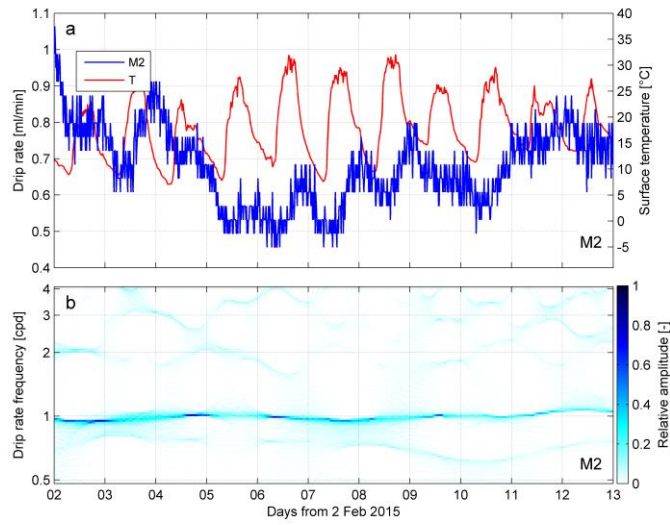


Figure S33 SST plot for site M2 for the period 02/02/2015- 13/02/2015

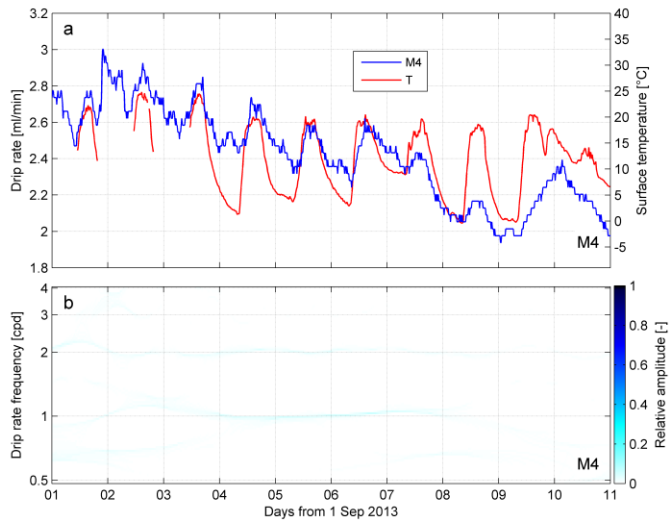


Figure S34 SST plot for site M4 for the period 01/09/2013- 11/09/2013

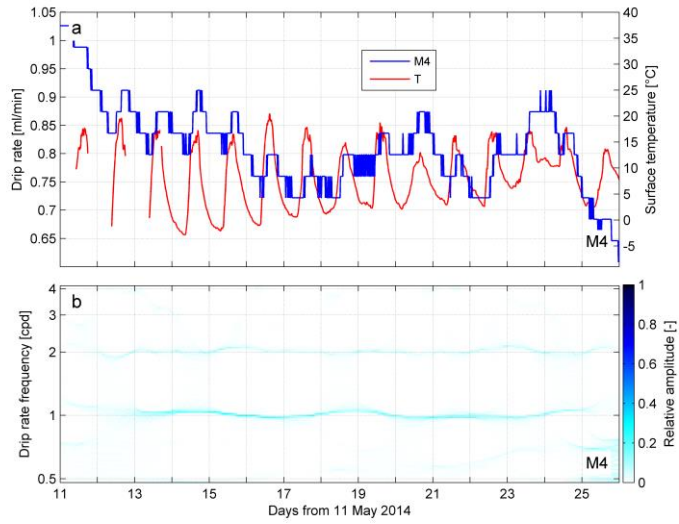


Figure S35 SST plot for site M4 for the period 211/05/2014- 25/05/2014

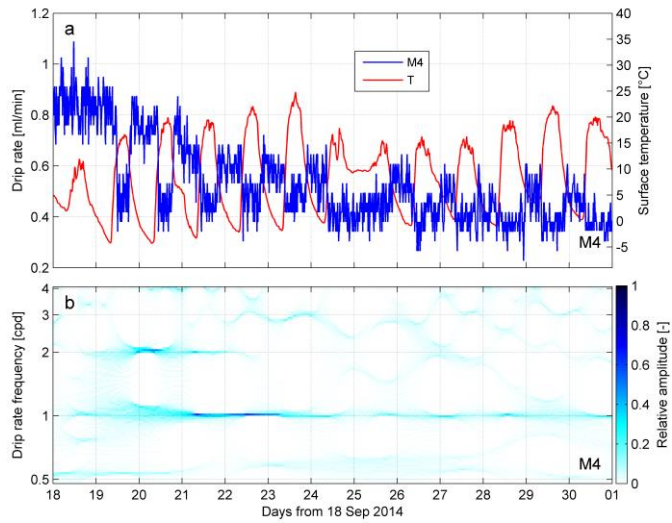


Figure S36 SST plot for site M4 for the period 18/09/2014- 01/10/2014

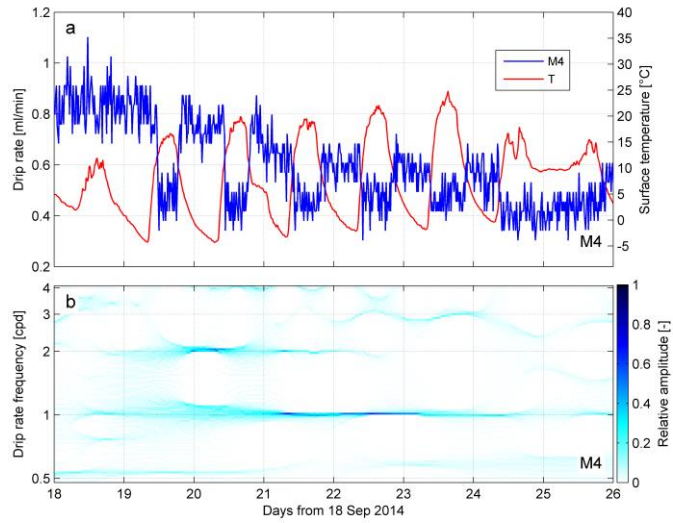


Figure S37 SST plot for site M4 for the period 18/09/2014- 26/09/2014

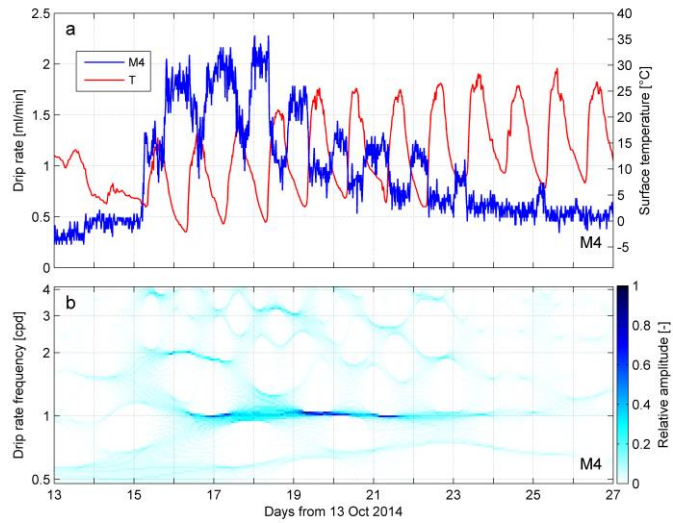


Figure S38 SST plot for site M4 for the period 13/10/2014- 27/10/2014

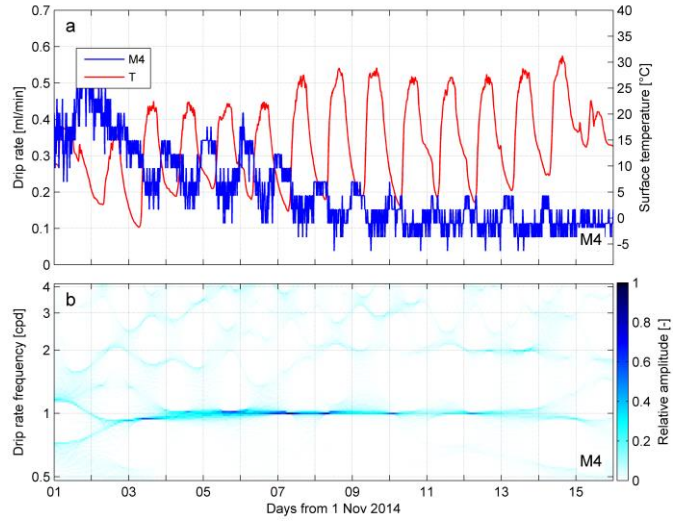


Figure S39 SST plot for site M4 for the period 01/11/2014- 15/11/2014

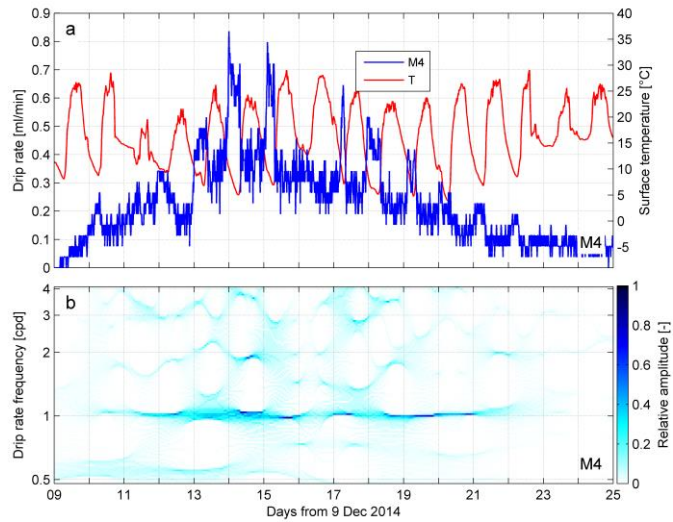


Figure S40 SST plot for site M4 for the period 09/12/2014- 25/12/2014

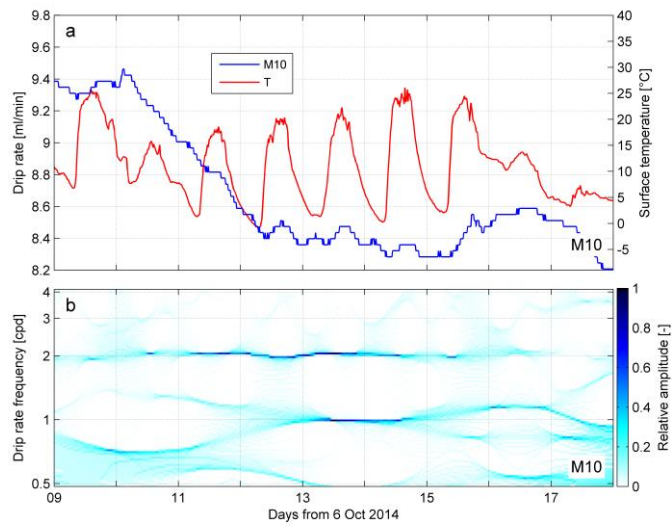


Figure S42 SST plot for site M10 for the period 09/10/2014- 18/10/2014

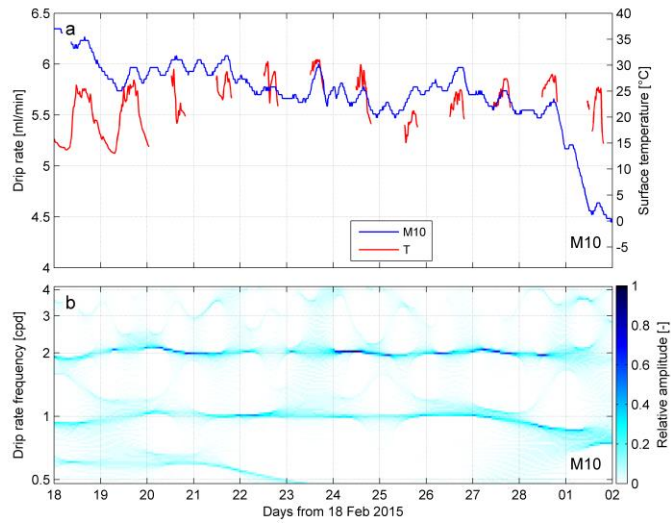


Figure S43 SST plot for site M10 for the period 18/02/2015- 02/03/2015