

Interactive comment on “VOCALS-CUpEx: the Chilean Upwelling Experiment” by R. D. Garreaud et al.

Anonymous Referee #1

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Overall this is a nice summary of the datasets and issues for the CUpEx work. The paper gives a nice overview with enough detail to highlight what needs more investigation in other work.

Specific Comments

Pg 26439 line 21 – wind-energy potential should be wind-energy potentials

Pg 26440 line 2 Angamos on the northern ...

Pg 26440 lines 1-2 – need to note that these locations are shown in Fig. 3a

Pg 26440 lines 10-11 – should reference that Fig 3a is Quikscat wind composite

Pg 26440 – line 21 replace limitations by land mask with limitations that result from

C11421

land mask

Pg 26441 line 2 AMBL should be spelled out on first use

Pg 26441 line 5 - insert space after downwelling

Pg 26445 line 12 – understanding not understating

Pg 26446 lines 18-22 should mention how vertical motion was derived for these cases

Pg 26447 line 9 recovery not recover

Pg 26447 lines 14-16 explain that these are the blue vectors on the plot and where they were derived from

Pg 26450 lines 1-2 might note that this is a point for further study as well

Pg 26454 line 12 it is 2007 Monthly Weather Review pgs 60-81

Pg 26469 Fig 12 caption note what sources the different datasets were to derive the blue arrows

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 26437, 2010.