

## ISUS Nitrate History

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© Last Updated: 02 February 2017

### ISUS NITRATE HISTORY

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The original methods description was written Feb 2010 by J. Wilkinson. Changes to the method or instrument are listed below.

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#### Changes

<b>Cruise/Ship</b>	<b>Date</b>	<b>Author</b>	<b>Description</b>
1611SR+	11-06-2016	J.Wilkinson	ISUS firmware upgraded to v3 allowing ISUScom software usage & sensor recalibration by SIO-CalCOFI, plus batch downloading via USB cable
1203SH+	3-24-2012	L. Ekern	Discrete nitrate sample analysis now preformed on Seal QuAAtro Analyzer by an in-house technician rather than being contracted out.
0810NM	10-14-2008	J.Wilkinson	ISUS not deployed this cruise.
0610RR	10-21-2006	J.Wilkinson	new LTER ISUSv2 deployed for the first time this cruise.
0607NM	07-01-2006	J.Wilkinson	ISUSv1 (crushed on LTER Process Cruise P200605) not deployed this cruise.
0411RR	11-02-2004	J.Wilkinson	ISUSv1 (P. Franks) deployed for the first time on Seabird 911+