

Calibration and QC on the USAP Ships

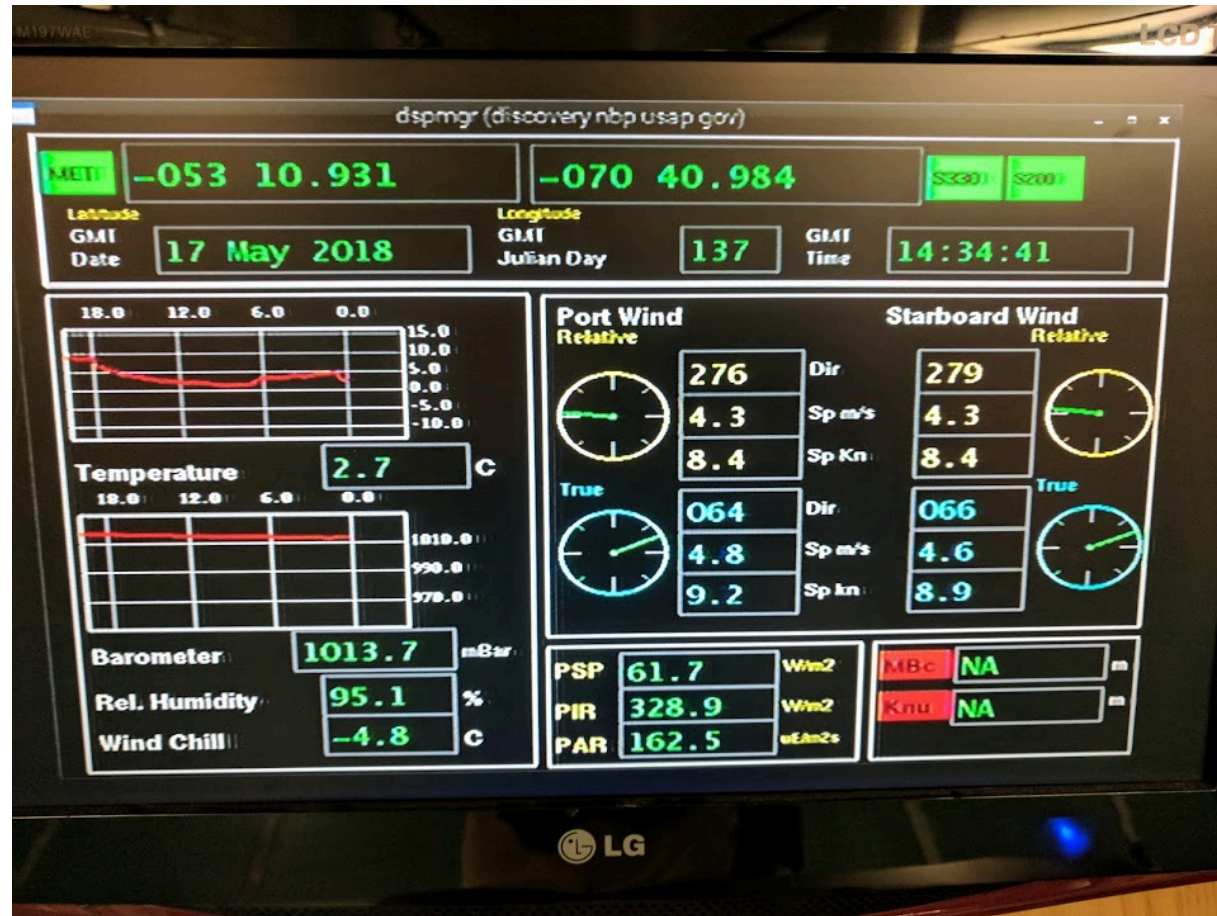
QC process

- 1) Maintain calibrations & regular cleaning
- 2) Data displays with red/green indicators
- 3) Daily QC plot graphs
- 4) Final check by SAMOS and end of year report.

Calibration Spreadsheet

			ARSV Laurence M. Gould				
Last Updated:		3-Oct-18	"E/R/R"=Equipment Repair and Return	"IU"=In Use	Light Gray in Comments column indicates Sensor Location		
Published Date:		9-Aug-17			Red in Cal Due column indicates Sensor Location		
Updated by: AScott				Biennial=2 Yr	Yellow in Cal Due column indicates Sensor Location		
Note: Print in Landscape Mode			Annual=Each Yr		Green in Location column indicates Out of Service		
					Blue in Location column indicates sensor location		
COL #	SENSOR NAME	SERIAL	Last Cal	CAL DUE	LOCATION	DATE LAST RECEIVED	DATE FIRST INSTALLED
METEOROLOGY							
1	Anemometer, U/S	1246001-WC45	11/15/2012	NONE	IU	3/7/2013	5/15/13
2	Anemometer, U/S	1246002-WC45	11/15/2012	NONE	IU	3/7/2013	6/16/13
3	Anemometer, U/S	71738	15-May-2007	NONE	Upper Baltic Room	1-Jul-07	9-Jul-07
4	Anemometer, U/S	1117029	11/15/2012	NONE	Upper Baltic Room	9/10/2013	6/16/13
5	Barometer	K2840001	10-Jul-2014	9-Jul-2017	Elab New Metbox	25-Oct-14	
6	Barometer	K2840002	10-Jul-2014	9-Jul-2017	ERR	25-Oct-14	7-Nov-15
7	Barometer	M2940058	14-Jul-2016	22-Jul-2019	IU	18-May-18	
8	Relative Humidity/Temperature	20090149	9-Aug-2016	9-Aug-2018	Upper Baltic Room	30-Nov-16	5-Dec-17
9	Relative Humidity/Temperature	20090287	14-Mar-2018	13-Mar-2020	IU	11-Apr-18	
10	PAR for Mast	6393	5-Jun-2017	31-Mar-2019	IU	4-Sep-17	31-Mar-18
11	PAR for Mast	6394	16-Jul-2018	15-Jul-2020	Upper Baltic Room	29-Sep-18	
12	PIR	32031F3	24-Oct-2017	24-Oct-2019	Upper Baltic Room	18-Feb-18	
13	PIR	28903F3	16-Dec-2016	16-Dec-2018	IU	23-Mar-17	
14	PSP	31701F3	23-Oct-2017	29-Sep-2019	IU	18-Feb-18	29-Sep-18
15	PSP	28933F3	16-Dec-2016	22-Sep-2018	ERR	23-Mar-17	22-Sep-17
16	GUV (Mast)	25110805126	20-Jul-2017	20-Jul-2019	Upper Baltic Room	12-Nov-17	
17	GUV (Mast)	25110805127	15-Feb-2017	8-Sep-2018	ERR	9-Jul-17	8-Sep-17
18	GUV (Mast)	25111115155	6-Dec-2017	29-Sep-2019	IU	26-Feb-18	29-Sep-18
19	GUV Deck Box	25110203113	15-Jun-2015	none	IU	14-Nov-15	28-Sep-16
20	GUV Deck Box	25111115155	15-Jan-2016	none	Warehouse	18-Feb-16	
6	PUV (Underwater)	25001115132	15-Jan-2016	14-Jan-2018	Warehouse	18-Feb-16	
7	PRR (Mast)	8000803115		NONE	NBP		
8	PRR (Underwater)	8000803115		NONE	NBP		
9	C-OPS (Mast)	481	13-Aug-2018	13-Aug-2019	Pal Sta	29-Sep-18	
10	C-OPS (UW Down)	482	13-Aug-2018	13-Aug-2019	Pal Sta	29-Sep-18	
11	C-OPS (UW Up)	483	13-Aug-2018	13-Aug-2019	Pal Sta	29-Sep-18	
CTD and MOCNESS							
1	Altimeter	43915	NA	NONE	Warehouse		10-Oct-12
2	Altimeter	46606	NA	NONE	Upper Baltic Room		30-Oct-11
3	Altimeter	54648	NA	NONE	Upper Baltic Room	11-Sep-13	24-Sep-15

DAS displays



Daily script generated plots

ET QC Graphs for 07 June, 2018

These graphs are here to help you. Look them over and investigate any problems.

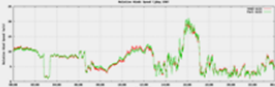
Making good data is your *job*

See [the LMG Wiki](#) for more information

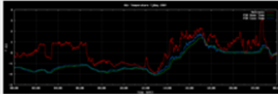
[Wind Direction \(relative\)](#)



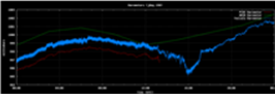
[Wind Speed \(relative\)](#)



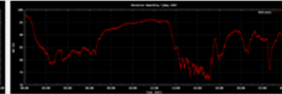
[Air Temp](#)



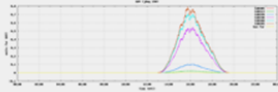
[Barometers](#)



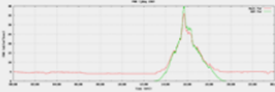
[Relative Humidity \(%\)](#)



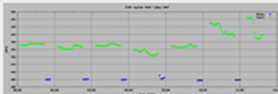
[GUV](#)



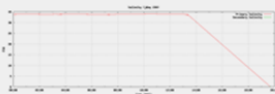
[PAR](#)



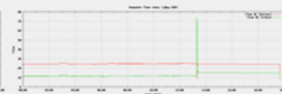
[PCO2 Display](#)



[Salinity \(PSU\)](#)



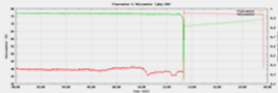
[Waterwall Flows](#)



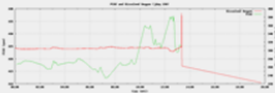
[PCO2 Gas Flows](#)



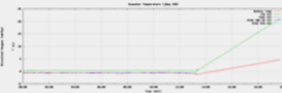
[Fluorometer and Xmiss](#)



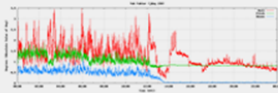
[Ocean Gasses](#)



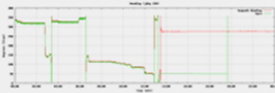
[Sea Surface Temperature](#)



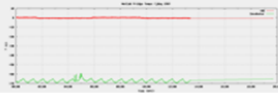
[Yak Faktor](#)



[Heading](#)



[Wetlab Freezer Temps](#)



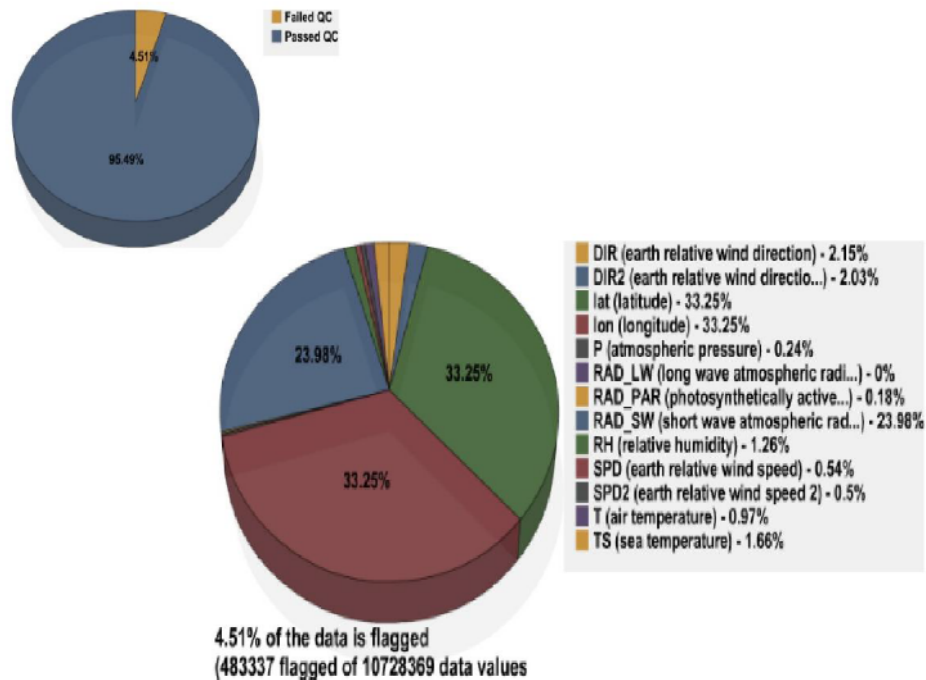
2017 SAMOS Data Quality Report

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GRIB Primer

- http://www.cpc.ncep.noaa.gov/products/wesley/fast_downloading_grib.html

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