



SOLAS ICON - Logistics

RRS Discovery, Cruise D338.

Sailing dates: from Tenerife, on **Wednesday 15th April.**

Returns: Tenerife, on Thursday **Wednesday May 27th**

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Logistics time-line of requirements:

Friday January 16th: I require a list of the chemicals you are to use in the fume cupboards on board. Please identify whether you are using the unit in the Ships Chemistry laboratory, or Radiochem-Dixon or Radiochem-Hill, to identify the lab container units.

Friday January 30th: Latest Date for the Equipment lists and Chemical and Gas Lists to Malcolm at PML. Please send/confirm electronically using the excel spreadsheets that will be sent out.

(m.woodward@pml.ac.uk)

Friday February 28th: Latest date for all Risk assessments, COSHH forms, Safe working practices, personal forms, copies of sea survival etc etc etc to be with Julia Crocker at PML.

(jlc@pml.ac.uk)

April 2nd : All equipment, plus All Haz Chemicals, Gas Bottles, Radioactives, Sf6 tank.

To be at PML for containerising on Thursday 2nd April.

This will all then be shipped to Discovery in Falmouth, Cornwall, for loading and then mobilising everything here in the UK before the ship sails for Tenerife on the 7th April.



SOLAS - important dates

Mobilisation,

Friday April 3rd - Commence mobilisation in Falmouth.
Accommodation in Falmouth for mobilisation.

Flights and Joining/Leaving Ship

On Monday 13th April - scientists fly out to Tenerife and immediately join the ship that evening. Agreement is that we eat ashore for evening meal but have breakfast and onwards on board. Option also to join fly Tuesday 14th if little to do on board before sailing.
Sail Wednesday April 15th May, am.

Return Wednesday May 27th: Demobilisation completed that day, equipment to be packed and removed from ship. Fly home to the UK in evening or next day depending on flights. Gas bottles, radioactive waste and chemicals to stay on board until ship returns to UK on July 3rd, into the Clyde

Travel, Flights etc:

Flights using Marine Fares will be arranged by the Malc W. If you want to go early, come back late, etc then let Malcolm know asap.

SOLAS - Logistics

<http://web.pml.ac.uk/solas>

For all these requirements see this cruise website

Go to the ICON pages and 'Logistics'

MEDICALS

You will require to pass an ENG1, the seafarers medical.

This is carried out by a registered doctor.

Please check you are in date and if not arrange for your own examination. The original certificate stays with you and a copy sent to Julia.

With all these items please send to Julia and we will collate them all rather than send one at a time to NOC.

DENTAL FORM

You will be required to have a certificate from your own dentist of dental fitness. The forms are on the PML/SOLAS web-site.

COMPETENCE FORM

There is also a form stating your competence to carry out the science tasks that you will carry out at sea. This must be filled in and signed.

Take the original with you and pass a copy to Julia.

RRS12 FORM (Embarkation form)

This is the personal information form required for completion, form is also on the PML/SOLAS web. Must be redone each cruise

SOLAS - Requirements

Sea Survival:

You must attend a course and have a valid Personal Sea Survival Techniques course certificate.

The Original certificate must go with you to the cruise.

Copy to Julia please by due date

Safety Clothing

Hard hats and Safety Boots are required for all deck work.

Wet weather clothing for on-deck work should be brought,

Lab coats are recommended if working in the laboratories.

Safety glasses for lab work should be carried by everyone and ALWAYS worn when handling hazardous chemicals.

If you will be using Liquid Nitrogen please ensure you bring the correct safety equipment/labelling with you.

The ship supplies life jackets and survival suits

EQUIPMENT and CHEMICAL and GAS LISTS

You will all be sent the Excell spreadsheets CHEMLIST, GASLIST and EQUIPLIST to fill in. These I need back before January 30th at the latest please so as the customs documentation can be completed. Please fill these in as accurately as you can:

Fume Cupboard Usage:

Lists of all chemicals to be used in the fume cupboard to me by January 16th

SOLAS - Requirements

Cruise Personnel:

1. Carol Robinson, UEA Cruise PSO.
2. Pablo Serrett, Vigo
3. Rachael Beale, PML
4. Vas Kitidis, PML
5. Malcolm Woodward, PML
6. Jo Dixon, PML
7. John Stephens, PML
8. Riqui Torres, PML
9. Malcolm Liddicoat, PML
10. Susan Kimmance, PML
11. Andy Rees, PML
12. Darren Clark, PML
13. Glen Tarran, PML
14. Tim Smyth, PML
15. Claire Widdicombe, PML
16. Ian Brown, PML
17. Thomas Meunier, Vigo
18. Polly Hill, NOC
19. Phil Nightingale, PML
20. Ian Brown, PML
21. Cliff Law, NIWA
22. Gavin Tilstone, PML
23. Beatriz Barreira, Uni of Vigo/Observer
24. Dan Combden
25. John Wynar (TLO)
26. Martin Bridger
27. Dave Teare
28. Kev Smith

SOLAS - Requirements

ICON 2009 Cruise Participants								
Surname	First Name	Institute	RRS 12	PST	ENG	Dental	Comp Letter	Notes
Barreiro	Beatriz	Vigo	No	Yes	No	No	Yes	
Beale	Rachael	PML	No	Yes	Yes	No	Yes	
Brown	Ian	PML	No	Yes	No	No	No	
Clark	Darren	PML	No	Yes	Yes	No	Yes	
Dixon	Jo	PML	No	Yes	Yes	No	Yes	ENG expires 2/5/09
Hill	Polly	NOCS	No	Yes	Yes	No	Yes	
Kimmance	Susan	PML	No	Yes	Yes	No	Yes	
Kitidis	Vas	PML	No	Yes	Yes	No	Yes	
Law	Cliff	NIWA	No	Yes	Yes	No	No	
Liddicoat	Malcolm	PML	No	Yes	Yes	No	Yes	
Meunier	Thomas	Vigo	No	Yes	No	No	Yes	copy of ENG required
Nightingale	Phil	PML	No	Yes	Yes	No	Yes	ENG expires 10/5/09
Rees	Andy	PML	No	Yes	Yes	No	Yes	
Robinson	Carol	UEA/Cruise PSO	No	Yes	Yes	No	Yes	
Serret	Pablo	Vigo	No	Yes	Yes	No	Yes	ENG expires March 09
Smyth	Tim	PML	No	Yes	Yes	No	Yes	
Stephens	John	PML	No	Yes	Yes	No	Yes	ENG expires 2/5/09
Tarran	Glen	PML	No	Yes	Yes	No	Yes	ENG expires 27/6/09
Tilstone	Gavin	PML	No	Yes	No	No	No	ENG expires 3/5/09
Torres	Ricardo	PML	No	Yes	Yes	No	Yes	
Widdicombe	Claire	PML	No	Yes	Yes	No	Yes	
Woodward	Malcolm	PML	No	Yes	Yes	No	Yes	

SOLAS - Requirements

WORK and CHEMICALS

Risk assessments, safe working practices, COSHH assessments and Chemical Safety Data Sheets are all required to be written and/or provided prior to sailing. These to Julia by February 13th please. These will need all to be sent electronically to Julia please, take a copy of your own information with you to keep next to your working area.

IMMUNISATIONS

At present there are none specifically required for the Canary Islands

PASSPORTS

You must take your passport with you !
Ensure your passport will be in date until 6 months after the end of the cruise. If not then apply for a new one soon.

BAR and BOND

The Discovery now has a swipe card system for all bar and bond, radio and telephone use etc, ie. all transactions that are charged.

There is a system of paying up front and then topping up as you go along on the cruise. See PML-SOLAS website for the finer details and who to phone to pay up front.

SOLAS - Requirements

Portable Appliance Testing (PAT)

It is required that all electrical equipment being loaded onto the ship is PAT tested and certificated as such, for the duration of the cruise. Please make sure your equipment is tested up to date. Any home-made equipment **MUST** be PAT tested not just taken along on the cruise with no test certificate.

Insurance

It is important to be aware that the NERC who own and operate the Discovery are a non-insurance body and do not 'as such' insure its ship, staff, or any of the equipment.

All non-NERC staff should therefore ensure that they have their own appropriate Personal Insurance cover.

Equipment should also be properly insured if this is required by your home Institute, remembering to include cover for the equipment in transit within the UK.

PML/SOLAS is not responsible for or has any insurance for any equipment on the ship or in transit to from the vessel in the shipping container.

Contact Details:

I will require a contact number where all scientists can be reached in the week before the cruise please in case of emergencies, mobile ideally. Please email me. My mobile for contact is 07887640557

SOLAS - Cruise Requirements

Working Hours Regulations

With the introduction of ILO180 (the convention agreed by the International Labour Organisation to attempt to provide a framework for seafarers hours of work) the working hours of all personnel on board must be carefully monitored and documented. The UK Maritime and Coastguard Agency (MCA) who are responsible for enactment and enforcement of legislation for UK registered ships, have determined that the 'Hours of Rest' formula is the most appropriate method and hence all UK ships will operate to this part of the legislation.

These rules amount to the following:

Each person must have no less than 10 hours rest in any 24-hour period and each person must have a minimum of 77 hours rest per 7-day period. The hours of rest in any 24-hour period may be divided into no more than 2 periods, one of which shall be at least 6 hours in length.

It will be the duty of the Principal Scientist to manage the working hours of all of the science party during a cruise, with each individual monitoring their own hours and with the PS ensuring that time sheets are correctly and properly completed. For NMF-SS staff, this will be done by the TLO.

SOLAS - Requirements

SOLAS Upwelling Cruise Website:

WebMaster: Dawn Ashby

<http://web.pml.ac.uk/solas>

RRS12 Embarkation form
Credit card form
Contact information for RRS Discovery
BODC documentation for cruises
Dental examination information and form
RRS Discovery ship plan
e-mail registration form
General cruise risk assessment
Radioisotope decontamination survey certificate
Competence letter
Medical information
Manual handling assessment form
Personal survival techniques
Safety familiarisation information
Risk assessment guide
Risk assessment template
Material (or Chemical) Safety Data Sheet example
Safe working practice example

SOLAS - Some Basic Information for Life onboard

Living Requirements and Provisions:

The NERC research ships Discovery and James Cook provide you essential housekeeping needs whilst you are away at sea. The cabins are single berths with shared facilities between 2 cabins. All bedding is provided and there is a change every week or so. It is your responsibility to change and make your bed and to keep the cabin tidy. There are Captains 'rounds' once a week to inspect the living spaces. Towels are also provided as is hand soap in the cabin, however if you require your own special soaps then remember to take them. Also you will need to take your own shampoo, and all normal toiletries for the duration of the cruise.

You will be away from land for the whole time so budget properly. There are washing machines with powder provided for your clothes, but again if you want something special you need to take it with you.

There is a ships 'bond' which has some ship souvenirs and also chocolate bars, however I would suggest that you take some of your own supplies if you are partial to some type of sweet or need to maintain your chocolate intake. The bond often sells out quickly.

The cabins all have electric power sockets but an extension lead is useful to take if you have computer, sound system, battery chargers etc. all to plug in.

Cameras and binoculars are often useful in case of wildlife sightings around the ship. Ensure you bring battery charger/batteries, plus download cable for digital or film if you need it.

SOLAS

EQUIPMENT and CHEMICAL LISTS

You have all be sent the Excell spreadsheets CHEMLIST and EQUIPLIST to fill in. Can lab groups co-ordinate to one form please.

Please fill these in accurately:

Chemicals must be sent in boxes according to the IMDG code.
Once I have the completed lists I will liase about the packing of the boxes.

Any questions then just email me or phone.

The Chemlist File and Gaslist files are in the following format:

The important info is Chem name, UN number and person responsible, I can fill in the rest.

CHEMICAL NAME	Quantity	IMO Class	Packing Group	Stowage category	UN Number	Limited Quantity	Person responsible
Paraformaldehyde	500 g	4.1			2213	no	Zubkov
Hydrochloric acid, 37%	5L	8			1789	no	Zubkov
Ethanol	5 L	3.2	2		1170	no	Zubkov
Trichloroacetic acid	1 Kg	8			1839	no	Zubkov
Scintillation cocktail Gold Star	15 L	NR					Zubkov
Leucine	10 g	NR					Zubkov

SOLAS Equiplist

ID	BOX CONTENTS	Size	Vol	Wt	Value	Box Type
		cms	m3	Kg	£	
	Woodward					
1104	Liquid Waveguide capillary cell, spares and accessories	57x37x40	0.08	15	2500	Aluminium
1105	Glassware	57x37x40	0.08	15	800	Aluminium
1106	Tools and spares	41x18x18	0.013	10	100	Red plastic
1107	Tools and spares	41x18x18	0.013	10	100	Black plastic
1108	Glassware,	57x37x40	0.08	20	1600	Aluminium
1109	Stereo system, Blue rolls and gloves	57x37x40	0.08	20	100	Aluminium

ICON- SOLAS

Lab Space-preliminary plan

RRS DISCOVERY Laboratories-SOLAS ICON 2009

Radioactive Container, 1: Main Deck- Dixon +Widdicombe +half of Rees !

Clean Chemistry Container Main Deck- Gavin +light incubators

Radioactive Container, 2: Fore Deck- Hill.

Stable Laboratory:

Dark Room: Claire, Microscope

