

Alkor 572 - Mesocosm Deployment Bergen, Norway

03.05.2022 – 11.05.2022
Kiel - Bergen, Norway - Kiel
KOSMOS-Bergen-2022



AUTHORS

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1 Cruise Summary

1.1 Summary in English

The purpose of the journey AL572 is the deployment of ten Kiel offshore mesocosms and their mooring in the Raunefjord near Espeland Marine Biological Station Norway for the following mesocosm study of Prof. Riebesell and his group.

1.2 Zusammenfassung

Das Ziel der Forschungsreise AL572 ist das Ausbringen von zehn Kieler Offshore-Mesokosmen und deren Verankerung im Raunefjord nahe der Espeland Marine Biological Station in Norwegen für die nachfolgende Mesokosmenstudie von Prof. Riebesell und seiner Gruppe.

2 Participants

2.1 Principal Investigators

Name	Institution
Riebesell, Ulf, Prof.	GEOMAR

2.2 Scientific Party

Name	Discipline	Institution
Henneke, Jan	TLZ / Chief Scientist	GEOMAR
Anna Wiebke Groen	Scientist	GEOMAR
Isabella Zehender	Scientist	GEOMAR
Philipp Paul Süßle	Scientist	GEOMAR
Juliane Katharina Tammen	Scientist	GEOMAR
Wanja Böhme	Scientist	GEOMAR
Joaquin Ortiz	Scientist	GEOMAR
Carl Lim	Scientist	GEOMAR
Peter Fritsche	Scientist	GEOMAR
Giulia Faucher	Scientist	GEOMAR

2.3 Participating Institutions

GEOMAR Helmholtz-Zentrum für Ozeanforschung Kiel

2.4 Crew

Name	Rank
Lass, Jan Peter	Kapitän / Master
Kaufmann, Tino	1st. Officer
Schneiders, Ken	2.nd Officer
Lenz, Axel	Chief Engineer
Mehlig, Olaf	E-Engineer
Delachaux Dit Gay, Lucien	Boatswain
Schenk, Dirk	A.B.
Brüdigam, Benjamin	A.B.
Rieger, Willi	A.B.
Silva Moreira, Jonas	A.B.
Kirschnick, Thomas	Cook

3 Research Program

3.1 Aims of the Cruise

The purpose of the journey AL572 was just from technical side. It was the deployment of ten Kiel offshore mesocosms and their mooring in the Raunefjord near Espeland Marine Biological Station Norway.

3.2 Agenda of the Cruise

3rd. May 2022

08:00 - leave Kiel, Transit to Bergen

5th may,

9:00 Arrival in Bergen harbour

9:30 unloading of 6 mesocosms and gear with mobile crane onto the pier.

6th may

8:00 – 18:00: - Assembling of mesocosmstructure on the pier

7th may

6:00: - Alkor leaving Bergen

7:15: - Arrival in workingarea Raunefjord

8:00: - Deployment 3 mesocosms

9:30: - moving back to Bergen

10:30: - Arrival Bergen harbor and loading 7 mesocosms

12:00: - moving back to workingarea Raunefjord

14:00: -Deployment of 7 mesocosms

17:00: - moving back to Bergen harbor

18:30: - Arrival Bergen

8th May

8:00: - leaving Bergen harbor

9:00: - Arrival workingarea

9:30: - Deployment of 4 Yellow flashing Markerbuoys to secure mesocosms

11:00 – Alkor leaving workingarea to go straight back to Kiel

10th may

9:00: - Arrival Kiel

3.2 Description of the Work Area

Raunefjorden, Bergen; 60.265° N, 5.205° E

The worksite was located near Marine Biological Station Espeland, where all laboratories for the mesocosm experiment (13.05.2022 – 07.07.2022) were located

4 Narrative of the Cruise

The cruise went smooth as planned. Due to the good weather and the good cooperation of all parties involved, the time schedule could be kept and there were no incidents.

9 Acknowledgements

We would like to thank all the parties involved, especially the captain and the entire crew for their motivation and quality work.

10 References

11 Abbreviations

12 Appendices

12.1 Selected Pictures of Samples

12.2 Selected Pictures of Shipboard Operations

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