



- ▶ [Home](#)
- ▶ [Services](#)
- ▶ [Datasets](#)
- ▶ [Data access](#)
- ▶ [Supported science](#)
- ▶ [Collaborative projects](#)
- ▶ [Publications](#)
- ▶ [Help: FAQ](#)
- ▶ [Staff](#)
- ▶ [Contact](#)

- ▶ [Data portal](#)
- ▶ [News](#)
- ▶ [Manage My Account](#)

- ▶ [PML RSG](#)
- ▶ [UoD DSRS](#)

Publications

Below are links to publications that have used NEODAAS services and/or data.

If you have used NEODAAS services and/or data towards any publication, please acknowledge this using: *'The authors thank the NERC Earth Observation Data Acquisition and Analysis Service (NEODAAS) for supplying data for this study'* and then email NEODAAS (info@neodaas.ac.uk) with the details. The service relies on users' publications as one measure of success.

Contributions from RSG staff are in bold. [Return to publications menu.](#)

Commissioned research reports

[2010](#) | [2009](#) | [2008](#) | [2007](#) | [2006](#) | [2005](#) | [2004](#) | [2003](#) | [2002](#) | [2001](#) | [2000](#) | [1999](#) | [1995-8](#) | [Back to top](#)

In revision

2010

McGill, A., Glehill, R., Preston, M. (2010) Carbon Disclosure Project 2010 FTSE 350 Report, produced by PricewaterhouseCoopers (report on climate change impacts on UK businesses – front cover image).

Miller, P.I., Christodoulou, S. & Saux-Picart, S. (2010) Oceanic thermal fronts from Earth observation data – a potential surrogate for pelagic diversity. *Report to the Department of Environment, Food and Rural Affairs. Defra Contract No. MB102*. Plymouth Marine Laboratory, subcontracted by ABPmer, Task 2F, pp. 24.

Nickell, T., Davidson, K., Fox, C., **Miller, P.** & Hays, G. (2010) Developing the capacity to monitor the spatial and temporal distribution of jellyfish in western Scottish waters. The Crown Estate, pp. 70. [Report](#).

Priede, I.G. (2010) RRS James Cook 037 Cruise Report: ECOMAR, 1 August – 9 September 2009., University of Aberdeen.

Quarmby, D. (2010) The Resilience of England's Transport Systems in December 2010 – An Independent Audit, Report commissioned by the Department for Transport.

United Kingdom Marine Monitoring and Assessment Strategy (UKMMAS) (2010) *Charting Progress 2 Feeder Report: Ocean Processes*. Huthnance, J. (Ed.), Department for Environment, Food and Rural Affairs on behalf of UKMMAS, p. 279. <http://chartingprogress.defra.gov.uk/ocean-processes-feeder-report>

2009

Barciela, R., Mahdon, R., Orrell, R., **Shutler, J. & Miller, P.** (2009) AlgaRisk 08: Pre-operational nuisance bloom warning system - assessment and future transition to an operational service. UK Met. Office, PML and EA, pp. 14.

Barciela, R., Mahdon, R., **Miller, P.**, Orrell, R. & **Shutler, J.** (2009) AlgaRisk 08: A pre-operational tool for identifying and predicting the movement of nuisance algal blooms. Innovation for efficiency science programme. Environment Agency, pp. 32 (SC070082/SR1). [Report](#).

Davidson, K., Gillibrand, P., Wilding, T., **Miller, P. & Shutler, J.** (2009) Predicting the progression of the harmful dinoflagellate *Karenia mikimotoi* along the Scottish coast and the potential impact for fish farming. The Crown Estate, pp. 101. [Report](#).

IOCCG (2009) Remote Sensing in Fisheries and Aquaculture. In Forget, M.-H., Stuart, V. & Platt, T. (Eds.) *Reports and Monographs of the International Ocean Colour Coordinating Group*. Dartmouth, Canada, IOCCG.

Jackson, E.L., Langmead, O., McQuatters-Gollop, A., Miller, P., Fox, C., Hiscock, K., Tyler-Walters, H. & Saunders, J. (2009) Development of a marine diversity data layer: review of approaches and proposed method. *Report to the Department of Environment, Food and Rural Affairs. Defra Contract No. MB102*. Marine Life Information Network (MarLIN) Plymouth, subcontracted by ABPmer, Task 2F, Report No. 2, pp. 92.

Lieberknecht, L. (2009) Regional profile for marine protected areas: persistent sea-surface temperature fronts. Finding Sanctuary.

Miller, P.I. & Saux-Picart, S. (2009) Proof of concept testing of Earth Observation chlorophyll data for Water Framework Directive monitoring: Initial report for Environment Agency. PML, pp. 5.

2008

2007

Bower, J., Loader, A., Broughton, G., Stedman, J., Kent, A., Cook, A., Targa, J., Glynn, A., Willis, P. et al (2007) *Air Pollution in the UK: 2006*, UK Government air quality annual report produced by AEA Energy & Environment plc on behalf of Defra.

Davidson, K., Gillibrand, P., Wilding, T., **Miller, P. & Shutler, J.** (2007) Predicting the progression of the harmful dinoflagellate *Karenia mikimotoi* along the Scottish coast and the potential impact for fish farming. Final project report to the Crown Estate, Scotland, Contract AQU/06/08, 93 pp.

Uncles, R.J. & Stephens, J.A. (2007) SEA-8 Technical Report - Hydrography. Contract report to Geotek, p. 105 (includes RSG front map).

2006

Bauer, P., Lopez, P., Salmond, D., and Geer, A., Assimilation of cloud and precipitation affected microwave radiances, *European Centre for Medium Range Weather-Forecasting (ECMWF) report*, Tech. Memo. 502, November 2006.

Gallienne, C., and others including **P. Miller**, PML Core Science Cruise 2005: RRS Charles Darwin 172 Lisbon to Falmouth 19 Jun-9 Jul. 2005, 111 pp., Plymouth Marine Laboratory, Plymouth, 2006.

Holligan, P., and others, AMT-17 Cruise Report: RRS Discovery 15 Oct.-28 Nov. 2005, 135 pp., Atlantic Meridional Transect at PML, Plymouth, 2006.

Pollard, R.T., R. Sanders, and others, RRS Discovery 285-286, 3 Nov-10 Dec 2004; 13 Dec 2004-21 Jan 2005. CROZet circulation, iron fertilization and EXPORT production experiment (CROZEX), 260 pp., Cruise Report No. 60, National Oceanography Centre, Southampton, 2006

2005

Bale, T., and others, AMT-16 Cruise Report: RRS Discovery 20 May-29 June 2005, 135 pp., Atlantic Meridional Transect at PML, Plymouth, 2005.

Cotton, D., **S. Groom**, **P. Miller**, R. Proctor, and P. Eastwood, Exploiting UK Capacity for Marine and Coastal Environmental Information Services (MCEIS), pp. 43, British National Space Centre, ESA Ministerial Preparatory Action, 2005.

Ferreira, J.G., A. Hawkins, H.C. Andersson, R.A. Corner, **S. Groom**, **R. Hutson**, D. Lan, C. Nauen, A.M. Nobre, J. Smits, A. Stigebrandt, T.C. Telfer, M. de Wit, X.J. Yan, X.L. Zhang, and M.Y. Zhu, SPEAR Sustainable options for people, catchment and aquatic resources, IMAR - Institute of Marine Research, 2005.

Hardman-Mountford, N., T. Hirata, **J. Shutler**, **P. Miller**, and **J. Bailyes**, MERIS Level 3 pre-operational production service report (HiProGen): WP5000 user feedback, pp. 25, British National Space Centre, ESA Ministerial Preparatory Action, 2005.

Huthnance, J.M., Cruise report no. 48: Poseidon 328, 6-25 September 2005: Slope mixing, 45 pp., Proudman Oceanographic Laboratory, Liverpool, 2005.

Quartly, G., and others, MadEx cruise report: RRS Discovery 288, 26 Jan-21 Feb. 2005, Durban to Madagascar, National Oceanography Centre, Southampton, 2005.

2004

Miller, P., S. Groom, J. Shutler, A. Neumann, K. Ebert, S. Kaitala, L. Pettersson, and A. Folkestad, HABILE Deliverable D5: Assessment of future Earth Observation capability for HAB monitoring, 116 pp., EC Contract EVK3-CT2001-00063, 2004.

Tilstone, G.H., G.F. Moore, K. Sorensen, R. Doerffer, R. Rottgers, K.G. Ruddick, and R. Pasterkamp, Regional Validation of MERIS chlorophyll products in North Sea coastal waters: REVAMP Protocols, ESRIN, Frascati, 2004.

2003

Brierley, A., others, **P. Miller**, **G. Mottram**, **K. Evans-Jones**, and **S. Groom**, RRS Discovery cruise 264. Biophysical studies of zooplankton dynamics in the northern North Atlantic: summer, 25 July - 28 August 2002, 82 pp., NERC, Swindon, 2003.

Froidefond, J.-M., D. Doxaran, and **P. Miller**, Programme Interrégionale Loire Grandeur Nature. Opération 2: Acquisition et traitement d'images satellites, 226 pp., Loire Estuaire, Cellule de Mesure et Bilan (CMB), 2003.

Groom S.B. and **P.I. Miller**, NERC Remote Sensing Data Analysis Service (RSDAS) Annual Report, 19 pp., NERC Science Programmes Directorate: Services & Facilities, 2003.
[Annexes](#) (PDF 251 KB)

Lampitt, R., and others, Poseidon Cruise 300/1: SOC-BICEP and EC-ANIMATE, Southampton Oceanography Centre, 2003.

Miller, P.I., Development and detection of oceanographic fronts, Report for contract RD023-0000000462, 15 pp., Dstl Naval Systems, Fareham, 2003.

New, A.L., and others, RRS Charles Darwin Cruise 141, 01 Jun-11 Jul 2002. Satellite Calibration and Interior Physics of the Indian Ocean: SCIPPIO, 92 pp., Southampton Oceanography Centre, 2003.

Pettersson, L.H., B.R. Furevik, D. Durand, and J.A. Johannessen, Synergies in marine applications of ocean colour, infrared and SAR satellite EO data. Technical report no. 242, 33 pp., Nansen Environmental and Remote Sensing Center, 2003.

2002

Dumas, F., J.M. Froidefond, P. Forget, A.M. Jegou, P.Lazure, M. Kerdreux, **P. Miller**, B. Planque, and I. Puillat, PNEC Bay of Biscay Site: Hydrodynamics Activities. Mid-Project Report, 9 pp., French National Programme for Coastal Environment (PNEC), 2002.

McGrane, P., and R. Raine, Celtic Voyager Cruise 02/01, 11-15 May 2001: Coccolithophorid blooms on the Continental Shelf west of Ireland, 40 pp., Martin Ryan Marine Science Institute, NUI Galway, 2002.

Miller, P.I., and **S.B. Groom**, NERC Remote Sensing Data Analysis Service (RSDAS) Annual Report, 19 pp., NERC Science Programmes Directorate: Services & Facilities, 2002.
[Annexes](#) (PDF 250 KB)

- Pollard, R., S. Hay, and others including **P. Miller** and S. **Groom**, RRS Discovery cruise 258. Biophysical studies of zooplankton dynamics in the northern North Atlantic: winter, 1 Nov.-18 Dec. 2001, 112 pp., NERC, Swindon, 2002.
- Richards, K., and others including **P. Miller**, K. **Evans-Jones**, T. **Smyth**, and S. **Groom**, RRS Discovery cruise 262. Biophysical studies of zooplankton dynamics in the northern North Atlantic: spring, 18 April - 27 May 2002, 103 pp., NERC, Swindon, 2002.
- Slessor, G., Cruise Report: FRV Scotia Cruise SC200211: 23 September - 7 October 2002, Marine Laboratory Aberdeen, Aberdeen, 2002.
- Tilstone**, G.H., and G.F. Moore, Protocols for the validation of MERIS products in Case 2 waters, Report to the European Commission (Proposal EVG2-2001-00009, Contract EVG1-CT-2001-00049), 2002.
- Tilstone**, G.H., G.F. Moore, K. Sorensen, R. Ruttgers, P.Y. Viskum, V. **Martinez-Vicente**, and K.G. Ruddick, Regional validation of MERIS Chl products in North Sea coastal waters: inter-calibration results, Report to the European Commission (Proposal EVG2-2001-00009, Contract EVG1-CT-2001-00049), 2002.
- Turrell, W.R., Charter Cruise Report: FRV Cirolana Cruise CZ200202: 15 - 28 May 2002, Marine Laboratory Aberdeen, Aberdeen, 2002.

2001

- Allen, J.T., and others, RRS Discovery Cruise 253, 04 May-20 Jun 2001. Faeroes, Iceland, Scotland Hydrographic and Environmental Survey (FISHES), 206 pp., Southampton Oceanography Centre, 2001.
- Chatwin, P.G., W.R. Turrell, **P.I. Miller**, G. Slessor, S. Hughes, and P. Gillibrand, Mesoscale variability in the Faroe-Shetland Channel during FRV Scotia cruise 16 (5-19 Oct. 2000), 50 pp., Marine Laboratory Aberdeen, Aberdeen, 2001.
- Miller, P.**, Validation of sea-surface front detection, Final report, Contract C009-0000002347 Amendment No. 1, 18 pp., DERA Space Systems, Farnborough, 2001.
- Miller, P.I.**, and **S.B. Groom**, NERC Remote Sensing Data Analysis Service (RSDAS) Annual Report, 18 pp., NERC Science Programmes Directorate: Services & Facilities, 2001.
[Annexes](#) (PDF 247 KB)
- Sherwin, T.J., and M.O. Willams, A study of circulation in the North-West approaches region: final report, 9 pp., Centre for Applied Oceanography Report 2001-10, 2001.

2000

- Miller, P.**, Simplification of SST front maps, Final report, Contract C009-0000002347, 12 pp., DERA Space Systems, Farnborough, 2000.
- Miller, P.**, S. **Groom**, T. **Smyth**, and K. Woods, Remote sensing in OMEX II-II, OMEX II-II Final Report, 18 pp., 2000.
- Mitchelson-Jacob, E.G., The development of SPM algorithms from in situ data of the Irish Sea and Concepcion Bay, Chile, Report CAO 2000-7, 38 pp., Centre for Applied Oceanography, 2000.

1999

- Miller, P.**, Ocean colour front detection project, Final report, Contract CSM/1444, 17 pp., DERA Space Systems, Farnborough, 1999.
- Miller, P.**, S. **Groom**, T. **Smyth**, and M. Miguel-Lago, Remote sensing in OMEX II-II. OMEX II-II Second Annual Report, 10 pp., 1999.

1995-8

- ALICE - Anchovy Larvae In Contrasting Environments (1997) Final report
- Groom S.**, and Y. Sagarmnaga. (1997) Remote Sensing Activities in SEFOS. *SEFOS Final Report*, 30 pp, January 1997.
- Lavender S.**, Moore G and Aiken, J. (1998) CCMS MERIS Validation Report, *Submitted as part of ESA/ACRI Contract*, 12 pp, November 1998.
- Miller P**, **Groom S**, McManus A, Selley J, Woolfenden J, Blewett J, Osborne L. (1996) Remote sensing activities in OMEX. *OMEX I Final Report*, 52 pp, Jul 1996.
- Morris K.P., **P. Miller**, D. Fraser, M.C. Robinson and **S. Groom**, (1997) Correction of bad GPS data. Contract report to NERC Scientific Services, September 1997.
- Sherwin, T.J., and D.R.G. Jeans, An investigation of mesoscale and internal wave activity in the Faroe-Shetland Channel, pp. 39, Unit for Coastal and Estuarine Studies Report U97-4, 1997.

[Back to top](#) | [Home](#)

[Back to top](#) | [Home](#)

[Return to publications menu.](#)

All materials copyright © NEODAAS 2011.