
EGU 2008 Meeting Programme

Ocean Sciences

Monday

OS1 Open Session on Ocean Circulation and Water Masses (including Outstanding Young Scientist Award Lecture)

Convener: Steinfeldt, R.
Co-Convener(s): Kanzow, T., Joyce, T.
Lecture Room D
Chairperson: STEINFELDT, R.

8:30–8:45; EGU2008-A-08642; OS1-1MO1O-001
Kanzow, T; Cunningham, S; Rayner, D; Baringer, M;
Johns, W; Hirschi, J; Beal, L; Meinen, C; Bryden, H;
Marotzke, J
Observations of the temporal variability of the Atlantic meridional overturning circulation from the Rapid-MOC transatlantic array at 26.5°N

8:45–9:00; EGU2008-A-08065; OS1-1MO1O-002
Hirschi, J. ; Killworth, P.; Blundell, J.; Cromwell, D.
Sea surface height signals as indicators for oceanic meridional mass transports

9:00–9:15; EGU2008-A-03981; OS1-1MO1O-003
O'Rourke, E; Hughes, C; Williams, R
The effects of topography on thermohaline adjustment

9:15–9:30; EGU2008-A-06836; OS1-1MO1O-004
Hughes, C. W.; Bingham, R. J.
Can variations in the Atlantic Meridional Overturning Circulation be measured using only western boundary pressure measurements?

9:30–9:45; EGU2008-A-03430; OS1-1MO1O-005
Bingham, R.J.; Hughes, C.W.; Roussenov, V.; Williams, R.
Meridional coherence of the North Atlantic meridional overturning circulation

9:45–10:00; EGU2008-A-00934; OS1-1MO1O-006
Schewe, J.; Levermann, A.
On the relation of meridional density gradients and Southern Ocean wind stress with respect to the global meridional overturning circulation: A model study

10:00 COFFEE BREAK

Chairperson: STEINFELDT, R.

10:30–11:15; EGU2008-A-08113; OS1-1MO2O-001
Naveira Garabato, A.C.
Ocean mixing and the Meridional Overturning Circulation: a shifting paradigm (Outstanding Young Scientist Award Lecture) (solicited)

11:15–11:30; EGU2008-A-02057; OS1-1MO2O-002
Williams, P.; Haine, T.; Read, P.
Can loss of balance from mesoscale eddies adequately power deep ocean mixing?

11:30–11:45; EGU2008-A-07577; OS1-1MO2O-003
Czaja, A
Atmospheric control on the thermohaline circulation

11:45–12:00; EGU2008-A-11904; OS1-1MO2O-004
Jeansson, E.; Olsson, K.A.; Tanhua, T.; Johannessen, T.
Recent changes in the Greenland Sea: Tracers and Hydrography

12:00 LUNCH BREAK

Chairperson: KANZOW, T.

13:30–13:45; EGU2008-A-01496; OS1-1MO3O-007
de Jong, M.F.; Drijfhout, S.S.; Hazeleger, W.; van Aken, H.M.; Severijns, C.A.
Simulations of hydrographic properties in the north western North Atlantic Ocean in Global Climate Models

13:45–14:00; EGU2008-A-02189; OS1-1MO3O-006
Barnier, B.; Mathiot, P.; Chanut, J.; Penduff, T.; Molines, J. M.
Irvinger Rings in the Labrador Sea: A heat pipe between the subsurface Western Boundary Current and the atmosphere?

14:00–14:15; EGU2008-A-10110; OS1-1MO3O-001
Sánchez Leal, R.F.; Ruiz-Villarreal, M.; González Pola, C.; Díaz del Río, G.; Cabanas, J.M.; Alonso, J.; Rodríguez, C.; González, N.; Lavín, A.
Distribution, spreading and variability of intermediate water masses in the Eastern North Atlantic and in the Bay of Biscay.

14:15–14:30; EGU2008-A-02239; OS1-1MO3O-002
Serra, N.; Ambar, I.
Direct velocity measurements of the Mediterranean Water outflow plume in the Gulf of Cadiz

14:30–14:45; EGU2008-A-01443; OS1-1MO3O-003
Joyce, T.; Thomas, L.; Bahr, F.
Wintertime Oceanic Convection in the Gulf Stream: looking beyond 1-D physics

14:45–15:00; EGU2008-A-06524; OS1-1MO3O-005
Hüttl, S.; Böning, C.W.
Pathways and variability of the off-equatorial undercurrents in the tropical Atlantic Ocean

15:00 COFFEE BREAK

Chairperson: JOYCE, T.

17:45–18:00; EGU2008-A-03166; OS1-1MO5O-004
Stramma, L.; Visbeck, M.; Johnson, G.C.; Firing, E.; Brandt, P.
The oxygen minimum zones in the eastern tropical oceans (solicited)

18:00–18:15; EGU2008-A-08111; OS1-1MO5O-006
von Schuckmann, K.; Brandt, P.; Eden, C.
Generation of Tropical Instability Waves in the Atlantic Ocean

18:15–18:30; EGU2008-A-11215; OS1-1MO5O-001
Kirchner, K.; Rhein, M.; Mertens, C.; Böning, C.W.; Hüttl, S.
The upper ocean MOC return flow near the Caribbean Sea

18:30–18:45; EGU2008-A-00946; OS1-1MO5O-002
Richards, K.
Mixing in the tropical ocean

18:45–19:00; EGU2008-A-01386; OS1-1MO5O-003
Matano, R.; Palma, E.
The upwelling of downwelling currents

19:00 END OF SESSION

OS2 Open session on Shelf Seas, Coastal Seas, and Estuaries (co-listed in BG & NP) – Posters

Convener: van der Molen, J.
Co-Convener(s): de Swart, H., Valle-Levinson, A.
Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 08:30–10:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0552; EGU2008-A-00223; OS2-1MO1P-0552
Bellafore, D.; Umgieser, G.
Small scale coastal processes in the Northern Adriatic Sea - Modeling as a tool

XY0553; EGU2008-A-01474; OS2-1MO1P-0553
Chrastansky, CA; Callies, UC
Hydrodynamic modeling to support the evaluation of wind related signals in North Sea beached bird survey data

XY0554; EGU2008-A-01889; OS2-1MO1P-0554
Rosentraub, Z.
The seasonal circulation over the Israeli continental shelf and slope

XY0555; EGU2008-A-03741; OS2-1MO1P-0555
Cancel, M.; Birol, F.; Lyard, F.
Regional comparison of sea level time series from altimetry and tide gauges in the Northwestern Mediterranean Sea.

XY0556; EGU2008-A-03862; OS2-1MO1P-0556
van Haren, H.; **Gostiaux, L.;** Laan, M.
Tidal fronts above Great Meteor Seamount and evidence of associated sediment resuspension.

XY0557; EGU2008-A-08047; OS2-1MO1P-0557
Ross, O.N.; Sharples, J.
Modelling Turbulence and Phytoplankton Motility in a stratified Shelf Sea

XY0558; EGU2008-A-08245; OS2-1MO1P-0558
Oliveira, A.; Santos, A.; Rodrigues, A.; Vitorino, J.
Fine sedimentary sources to the Nazaré canyon (Portuguese continental shelf)

XY0559; EGU2008-A-08571; OS2-1MO1P-0559
Bogunovic, B.; Malacic, V.
Circulation in the Gulf of Trieste: measurements and model results

XY0560; EGU2008-A-08587; OS2-1MO1P-0560
Rasclé, N.; Ardhuin, F.; Chapron, B.
Wave-current interactions in three dimension: from the shelf to the surf zone

XY0561; EGU2008-A-08652; OS2-1MO1P-0561
Hansen, C.; Büchmann, B.
The influence of sea floor drag on tidal amplitude and phase in the eastern North Sea

XY0562; EGU2008-A-08837; OS2-1MO1P-0562
Criado-Aldeanueva, F.; **Sanchez-Roman, A.;** García-Lafuente, J.; Del Río-Vera, J.; Sanchez, J.C.; Zunino, P.
Seasonal variations of the surface circulation in the Gulf of Cadiz, SW Iberia

XY0563; EGU2008-A-10076; OS2-1MO1P-0563
Navrotsky, V.V.; Liapidevsky, V.Yu.; Pavlova, E.P.
Internal wave transformation and effects in a near-bottom thermocline

XY0564; EGU2008-A-10143; OS2-1MO1P-0564
Martins, I.; Silva, A.; Santos, A.; Bastos, L.
Assessing critical runoff values for the generation of a buoyancy induced coastal current off the western Iberian Peninsula

XY0565; EGU2008-A-10209; OS2-1MO1P-0565
Silva, A.; **Martins, I.;** Bastos, L.
An intermittent coastal current generated by buoyancy and wind forcing

XY0566; EGU2008-A-10322; OS2-1MO1P-0566
Chernov, A.G.; Kurkin, A.A.; Kovalev, D.P.; Lukhnov, A.O.; Shevchenko, G.V.
Instrumental water level measurements in the Sea of Okhotsk shelf and analysis of the results

XY0567; EGU2008-A-10373; OS2-1MO1P-0567
Chernov, A.G.; Kurkin, A.A.; Lukhnov, A.O.; Kuznetsov, K.I.
Sakhalin island coastal zone wave dynamics under the ice: in-situ measurements and observed data analysis

XY0568; EGU2008-A-10619; OS2-1MO1P-0568
Sánchez Leal, R.F.; Relvas, P.; Miller, P.; Martinho, A.
An upwelling filament west of Cape St. Vincent in late October 2004

XY0569; EGU2008-A-11043; OS2-1MO1P-0569
Dzierzbicka, L.D.; Osiński, R.O.; Jędrasik, J.J.; Masłowski, W.M.; Jakacki, J.J.
Interannual and decadal variability of the currents in the Baltic Sea

Display Time: Monday, 08:00–19:30
Authors in Attendance: Monday, 10:30–12:00

Poster Area Halls X/Y
Chairperson: N.N.

XY0570; EGU2008-A-00441; OS2-1MO2P-0570
Garnier, R.; Dodd, N.; Calvete, D.; Falques, A.
Nonlinear modelling of nearshore sand bars from self organization processes: a 'Global Analysis'

XY0571; EGU2008-A-01409; OS2-1MO2P-0571
de Swart, H. E.; Vis-Star, N. C.; Calvete, D.
Limited predictability properties of modelled sand ridges on the inner shelf

XY0572; EGU2008-A-01785; OS2-1MO2P-0572
Lettmann, K.; Wolff, J.O.
Investigation of the impact of winter storms on sediment dynamics in the East-Frisian Wadden Sea (southern North Sea) using the numerical model GETM

XY0573; EGU2008-A-02777; OS2-1MO2P-0573
ter Brake, M.C.; Schuttelaars, H.M.
Importance of topographically induced sediment fluxes on equilibrium bed profiles and their linear stability in tidal embayments

XY0574; EGU2008-A-04005; OS2-1MO2P-0574
Pleskachevsky, A.; Gayler, G.; Günther, H.; Rosenthal, W.; Stanev, E.
Dynamic of Suspended Particulate Matter on tidal flats. Modelling study for the German Wadden Sea

XY0575; EGU2008-A-08614; OS2-1MO2P-0575
Bellec, V.; Dolan, M.; Bøe, R.; Ottesen, D.; Rise, L.
Elongated ridges and depressions on glacial banks and troughs offshore north Norway: Modern or old features?

XY0576; EGU2008-A-08727; OS2-1MO2P-0576
Villatoro, M.; Amos, C.; Ferrarin, C.; Umgiesser, G.; Zaggia, L.
Sand transport measurements in Chioggia inlet, Venice Lagoon

XY0577; EGU2008-A-09263; OS2-1MO2P-0577
van den Berg, N.; Falqués, A.; Ribas, F.; Ojeda, E.; Guillén, J.
Modelling observed shoreline dynamics of an embayed beach in Barcelona

XY0578; EGU2008-A-02866; OS2-1MO2P-0578
Barry, K.; O’Kane, J.P.
The role of “social calibration” in the verification of a hydrodynamic model of Cork Harbour

XY0579; EGU2008-A-05509; OS2-1MO2P-0579
Aguiar-González, M. B.; Rodríguez-Santana, A.; Cisneros-Aguirre, J.; Martínez-Marrero, A.
Stratification and mixing processes in presence of estuarine signals and internal near-inertial waves

XY0580; EGU2008-A-07194; OS2-1MO2P-0580
Santos, A.I.; Balsinha, M.J.; Oliveira, A.
Suspended particulate matter tidal variation in the Minho estuary in low runoff conditions (NW Portugal)

XY0581; EGU2008-A-11649; OS2-1MO2P-0581
Delpeche, N.; Clarke, J.H.; Haigh, S.; Ellmann, A.
Observations of internal waves in the Saint John River Estuary New Brunswick, Canada

OS9/OS11 Open session on IMBER/SOLAS and sensitivity of marine ecosystems to climate change (co-listed in BG, CL & SSP)

Convener: Robinson, C.
Co-Convener(s): Salihoglu, B., Oguz, T., Lancelot, C.
Lecture Room 4
Chairperson: LANCELOT, C; SALIHOGLU, B

13:30–14:00; EGU2008-A-11794; OS11-1MO3O-001
Simó, R.; Saló, V.; Ruiz, C.; Lana, A.; Galí, M.; Gasol, J.M.
Oceanic DMS emission: a tiny yet climatically significant leak from tight biogeochemical cycling (solicited)

14:00–14:15; EGU2008-A-02662; OS11-1MO3O-002
Tjiputra, J.T.; Arne M. Winguth, AMW
Adjoint sensitivity of the air-sea CO₂ flux to ecosystem parameterization in a three-dimensional global ocean carbon cycle model

14:15–14:30; EGU2008-A-06241; OS11-1MO3O-003
Resplandy, L.; Lévy, M.; d’Ovidio, F.; Merlivat, L.
Impact of Submesoscale Variability of pCO₂ on CO₂ air-sea Fluxes

14:30–14:45; EGU2008-A-08901; OS11-1MO3O-004
Pulido-Villena, E.; Wagener, T.; Guieu, C.
Impact of aerosol inputs on oceanic ecosystem functioning: role of heterotrophic bacteria

14:45–15:00; EGU2008-A-09093; OS11-1MO3O-005
Wagener, T.; Pulido, E.; Guieu, C.
Atmospheric iron dissolution during a one-year time-series in the Mediterranean Sea

15:00 COFFEE BREAK

Chairperson: LANCELOT, C; SALIHOGLU, B

15:30–15:45; EGU2008-A-03083; OS11-1MO4O-001
Jacquet, S.H.M.; Dehairs, F.; Cavagna, A.J.; Dumont, I.; Becquevort, S.; Cardinal, D.; Lam, P.
Twilight zone C mineralization under different regimes of macro- and micronutrient availabilities in the Southern Ocean

15:45–16:00; EGU2008-A-04730; OS11-1MO4O-002
Sanders, R.; Salter, I.; Pollard, R.; Statham, P.; Lucas, M.
Carbon export from an iron fertilised plankton bloom in the southern ocean

16:00–16:15; EGU2008-A-08750; OS11-1MO4O-003
Henderiks, J.; Rickaby, R.; Zondervan, I.; Rost, B.; Bijma, J.
Coccolithophore growth, chemistry and calcification under decoupled ocean carbonate chemistry

16:15–16:30; EGU2008-A-04710; OS11-1MO4O-004
Sanders, R.; Morris, P.; Stinchcombe, M.; Charalampopoulou, A.; Poulton, A.; Lucas, M.; Thomalla, S.
Do opal and calcite enhance the flux of organic carbon from the photic zone

16:30–16:45; EGU2008-A-07770; OS11-1MO4O-005
Cavagna, A.-J.; Cassar, N.; **Dehairs, F.;** DiFiore, P.J.; Tilbrook, B.; Griffiths, B.; Elskens, M.
Summer f-ratios and net community production in the Australian sector of Southern Ocean: contrasting regimes of nutrient availability and ecosystems functioning

16:45–17:00; EGU2008-A-07192; OS11-1MO4O-006
Sempere, R.; Tedetti, M.; Charriere, B.; Para, J.
Molecular distribution of dicarboxylic acids and related polar compounds in the Rhone River and coastal Mediterranean Sea Water in relation with Photochemical and bacterial processes

17:00 COFFEE BREAK

Chairperson: SALIHOGLU, B; LANCELOT, C

17:30–18:00; EGU2008-A-10323; OS11-1MO5O-001
Vichi, M.; Patara, L.; Masina, S.; Fogli, P.G.; Manzini, E.
The response of marine biogeochemistry to atmospheric CO₂ increase: simulations with a coupled Earth System Model (solicited)

18:00–18:15; EGU2008-A-11317; OS11-1MO5O-002
Mouchet, A.; Loutre, M.F.; Fichefet, T.; Goosse, H.; Huybrechts, P.
Ocean biogeochemical cycles and climate sensitivity in an Earth system model

18:15–18:30; EGU2008-A-06999; OS11-1MO5O-003
Kettle, H.
Coupling bio-optics into a marine ecosystem model to enable comparison with ocean colour data

18:30–18:45; EGU2008-A-10476; OS11-1MO5O-004
Oguz, T.; **Salihoglu, B.;** Fach, B.
Nonlinear controls of anchovy stock and anchovy-gelatinous regime shift in the Black Sea: A modeling study

18:45–19:00; EGU2008-A-09272; OS11-1MO5O-005
Toparceanu, F.; Negoita, T.G.; Nita, I.I.; Sava, D.
The present climate changes open wide frontiers to study ancient viruses

19:00 END OF SESSION

OS9/OS11 Open session on IMBER/SOLAS and sensitivity of marine ecosystems to climate change (co-listed in BG, CL & SSP) – Posters

Convener: Robinson, C.

Co-Convener(s): Salihoglu, B., Oguz, T., Lancelot, C.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: LANCELOT, C.; SALIHOGLU, B

XY0582; EGU2008-A-07330; OS11-1MO2P-0582

Sempéré, R.; Durrieu de Madron, X.; Guieu, C.

Presentation of the Marine Ecosystems Response in the Mediterranean Experiment programme (MERMEX) for the Mediterranean Sea

XY0583; EGU2008-A-09236; OS11-1MO2P-0583

Guieu, G.; Pulido-Villena, P.; Dulac, F.; Ridame, C.; Pondaven, P.; Loye-Pilot, L.; Bergametti, B.; Desboeuf, D.; Losno, L

DUNE (a DUST experiment in a low Nutrient, low chlorophyll Ecosystem): Presentation of the project and results from its pilot phase

XY0584; EGU2008-A-10435; OS11-1MO2P-0584

Salihoglu, B.; Garcon, V.; Oschlies, A.; Lomas, M.

Controls on nutrient dynamics and carbon export at BATS

XY0585; EGU2008-A-11703; OS11-1MO2P-0585

Fach, B.; **Salihoglu, B.;** Oguz, T.

Environmental influence on anchovy eggs and larvae transport in the Black Sea: a modeling study

XY0586; EGU2008-A-02025; OS11-1MO2P-0586

La Ferla, R.; Azzaro, M.; Caruso, G.; Maimone, G.; Monticelli, L.S.; Zacccone, R.

Investigating microbial parameters for the characterization of biogeochemical variability in the Mediterranean sea

XY0587; EGU2008-A-02080; OS11-1MO2P-0587

González, A.; Santana-Casiano, J.M.; González-Dávila, M. Oxidation kinetic of Fe(II) in the presence of exudates from phytoplankton cultures

XY0588; EGU2008-A-03867; OS11-1MO2P-0588

Glessmer, M.; Eden, C.; Oschlies, A

Contribution of oxygen minimum zone waters to the coastal upwelling off Mauritania

XY0589; EGU2008-A-03983; OS11-1MO2P-0589

Kettle, A.J.; Bakker, D.C.; Haines, K.

Impact of the North Atlantic Oscillation on the trans-Atlantic migrations of the European eel (*Anguilla anguilla*)

XY0590; EGU2008-A-05758; OS11-1MO2P-0590

Harada, N.; Sato, M.; Okazaki, Y.; Oguri, K.; Tadai, O.; Konno, S.; Jordan, R.W.; Katsuki, K.; Shin, K.-H.; Narita, H. Changes in C37 alkenones flux recorded in surface sediment on the eastern continental shelf of the Bering Sea: record of *Emiliania huxleyi* bloom over the past 100 years

XY0591; EGU2008-A-06544; OS11-1MO2P-0591

Belounis, M.; Mouchet, A.; Beckers, J.M

Modelling the carbon cycle in the Mediterranean sea

XY0592; EGU2008-A-08505; OS11-1MO2P-0592

Iovino, D.; Levy, M.; Klein, P.; Tréguier, A.-M.; Madec, G.; Masson, S.; Takahashi, K.

Impact of sub-mesoscale physics on the biogeochemical equilibrium of idealized oceanic gyres

XY0593; EGU2008-A-09278; OS11-1MO2P-0593

Fujii, A.; Kawano, K.; Boontanon, N.; Yoshida, O.; Watanabe, S.; Yoshida, N.

Production and sea-air flux of nitrous oxide

XY0594; EGU2008-A-09613; OS11-1MO2P-0594

Vidal, M.; Morguí, J.-A.; Emelianov, M.; Vila, G.; Latasa, M.; Salat, J.

Mesopelagic respiration in the NW Mediterranean as a component of the efficiency of the carbon pump.

XY0595; EGU2008-A-10801; OS11-1MO2P-0595

Quartly, G.D.; Jaquemet, S.; Le Corre, M.; Monticelli, D.; Ramos, J.

Climatological effects on the breeding of terns

XY0596; EGU2008-A-10895; OS11-1MO2P-0596

Peeken, I.; Gros, V.; Bluhm, K.; Zoellner, E.; Martino, M.; Röttgers, R.; Sarda-Esteve, R

Carbon monoxide emissions by phytoplankton off the Mauritanian coast.

XY0839; EGU2008-A-12495; OS11-1MO2P-0839

Álvarez, M.; Brea, S.; Álvarez-Salgado, X.A.

Oxygen utilization rates and C:N molar ratios in the South Atlantic: a new methodology approach

IS46 - OS17/SM20 Running hot and cold; integrated studies of large to small scale fluid venting in the SW Pacific: Subduction Processes, Methane Seepage, Hydrothermalism (co-organized by OS & SM; co-listed in BG & GMPV)

Convener: Greinert, J.

Co-Convener(s): Leybourne, M., Bialas, J.

Lecture Room 4

Chairperson: N.N.

8:30–8:45; EGU2008-A-05597; IS46 - OS17/SM20-1MO10-001

de Ronde, C.E.J.; Baker, E.T.; Lupton, J.L.; Sprovieri, M.; Bruno, P.P.; Faure, K.; Leybourne, M.I.; Walker, S.L.; Italiano, F.; Embley, R.W.

Contrasting examples of submarine hydrothermal venting along the Kermadec intraoceanic arc and the Aeolian island arc (solicited)

8:45–9:00; EGU2008-A-08802; IS46 - OS17/SM20-1MO10-002

Mertens, C.; Walter, M.; Sültenfuß, J.; Rhein, M.

Fluxes of heat and volume at the 5° S vent sites on the MAR

9:00–9:15; EGU2008-A-11142; IS46 - OS17/SM20-1MO10-003

Borowski, C.; Zielinski, F.; Pape, T.; Wenzhöfer, F.; Seifert, R.; Fink, D.; Struck, J.M.; Wetzel, S.; Dubilier, N. Hydrogen is an energy source for endosymbiotic bacteria of the vent mussel *Bathymodiolus puteoserpentis*

9:15–9:30; EGU2008-A-01416; IS46 - OS17/SM20-1MO10-004

Greinert, J.; Bialas, J.

An overview of latest cold seep research around New Zealand (2006 and 2007)

9:30–9:45; EGU2008-A-02107; IS46 - OS17/SM20-1MO10-005

Naudts, L.; Greinert, J.; Poort, J.; Belza, J.; Vangampelaere, E.; Boone, D.; Linke, P.; Henriët, J.P.; De Batist, M. Submeter mapping of methane seeps by ROV observations and measurements at the Hikurangi Margin, New Zealand

9:45–10:00; EGU2008-A-02955; IS46 - OS17/SM20-1MO10-006

Schwalenberg, K.; Netzeband, G.; Poort, J.; Jegen, M.

Geophysical implication of submarine gas seeps on the Hikurangi Margin, NZ

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-08542; IS46 - OS17/SM20-1MO2O-001

Coffin, R.; Hamdan, L.; Smith, J.; Gardner, J.; Hagen, R.; Wood, W

Comparative analysis of vertical geochemical profiles in methane charged marine sediments

10:45–11:00; EGU2008-A-01611; IS46 - OS17/SM20-1MO2O-002

Haeckel, M.; Sommer, S.; Linke, P.

Porewater geochemistry and methane fluxes of cold seeps at the Hikurangi margin, offshore New Zealand

11:00–11:15; EGU2008-A-04390; IS46 - OS17/SM20-1MO2O-003

Faure, K.; McGinnis, D.F.; Schneider von Deimling, J.; Greinert, J.

Submarine flatulence along the Hikurangi margin of New Zealand: Linking geochemical methane anomalies in the water column with hydroacoustic evidence of bubble transport

11:15–11:30; EGU2008-A-01093; IS46 - OS17/SM20-1MO2O-004

Law, C.S.; Nodder, S.D.; Maas, E.; Mountjoy, J.; Mariner, A.; Orpin, A.; Barnes, P.M.

Cold seeps as methane sources in Cook Strait, New Zealand: effects of lateral and vertical processes on regional methane budgets

11:30–11:45; EGU2008-A-10060; IS46 - OS17/SM20-1MO2O-005

Thurber, AR.; Levin, LA.; Baco, A.; Smith, CR.; Rowden, AA.; Bowden, D.; Kroeger, K

Metazoan use of chemosynthetic food sources at New Zealand cold seeps

11:45–12:00; EGU2008-A-02387; IS46 - OS17/SM20-1MO2O-006

Sommer, S.; Linke, P.; Pfannkuche, O.; Bowden, D.A.; Haeckel, M.; Greinert, J.; Thurber, A.R.

Novel cold seep habitat along the Hikurangi margin (New Zealand)

12:00 END OF SESSION

IS46 - OS17/SM20 Running hot and cold; integrated studies of large to small scale fluid venting in the SW Pacific: Subduction Processes, Methane Seepage, Hydrothermalism (co-organized by OS & SM; co-listed in BG & GMPV) – Posters

Convener: Greinert, J.

Co-Convener(s): Leybourne, M., Bialas, J.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0597; EGU2008-A-04239; IS46 - OS17/SM20-1MO3P-0597

Klaucke, I.; Weinrebe, W.; Petersen, J.; **Greinert, J.**; Jones, A.

Temporal variability of gas seeps offshore New Zealand: Multi-frequency geoacoustic imaging of the Wairarapa area, Hikurangi margin

XY0598; EGU2008-A-03217; IS46 - OS17/SM20-1MO3P-0598

Jones, A.T.; **Greinert, J.**; Bowden, D.; Klaucke, I.; Petersen, J.; Netzeband, G.; Weinrebe, W.

Integrated side-scan, sub-bottom profiler and seismic signatures of methane seepage from Omakere Ridge on New Zealand's Hikurangi margin.

XY0599; EGU2008-A-03280; IS46 - OS17/SM20-1MO3P-0599

Crutchley, G.; Gorman, A.; Pecher, I.; Henrys, S.

Full-waveform inversion of bottom-simulating reflections and anomalies in the regional gas hydrate stability zone beneath Porangahau Ridge, New Zealand

XY0600; EGU2008-A-03771; IS46 - OS17/SM20-1MO3P-0600

Netzeband, G. L.; **Krabbenhöft, A.**; Zillmer, M.; Klaeschen, D.; Petersen, C.J.; Bialas, J.

Analysing cold vents – an example from Wairarapa offshore New Zealand

XY0601; EGU2008-A-04076; IS46 - OS17/SM20-1MO3P-0601

Bialas, J.; Hardieck, M.; Netzeband, G.L.; Krabbenhoeft, A.; **Greinert, J.**

Pseudo 3-D analysis of seismic data at seep locations in the Wairarapa area offshore New Zealand

XY0602; EGU2008-A-06150; IS46 - OS17/SM20-1MO3P-0602

Gorman, A.; Senger, K.

Are there any gas hydrates on the passive continental margins of New Zealand?

XY0603; EGU2008-A-07403; IS46 - OS17/SM20-1MO3P-0603

Linke, P.; Sommer, S.; McGinnis, D.

Physical limitations of dissolved methane fluxes: The role of bottom-boundary layer processes

XY0604; EGU2008-A-04966; IS46 - OS17/SM20-1MO3P-0604

Nelson, C.; Campbell, K.; Nyman, S.; Francis, D.; Hood, S.; Collins, M.; Gregory, M.R.; Greinert, J.; Peckmann, J.; Pearson, M.J.

Miocene cold seeps and their plumbing systems, New Zealand: Ancient analogues for the modern Hikurangi Margin seep system?

XY0605; EGU2008-A-10760; IS46 - OS17/SM20-1MO3P-0605

Liebetrau, V.; Eisenhauer, A.; Linke, P.

Cold-Seep Carbonates and Cold-Water Corals from the Hikurangi Margin, offshore New Zealand (Cruise So191): Growth Structures, Fluid Pathways and first Isotope Geochemical Results

XY0606; EGU2008-A-09283; IS46 - OS17/SM20-1MO3P-0606

Martin, R.A.; Torres, M.; Klinkhammer, G.; Campbell, K.A.; Nesbitt, E.A.; Sommer, S.

The effects of methane-influenced pore-waters on benthic foraminiferal assemblages from the Hikurangi Margin of eastern New Zealand.

XY0607; EGU2008-A-09396; IS46 - OS17/SM20-1MO3P-0607

Niemann, H.; Treude, T.; Wegener, G.; Santillano, D.; Anrds, J.; Boetius, A.; Pfannkuche, O.; Linke, P

Microbial methane consumption at cold seeps of the Hikurangi Margin (South-West Pacific, New Zealand)

XY0608; EGU2008-A-09398; IS46 - OS17/SM20-1MO3P-0608

McGinnis, D.F.; **Faure, K.**; Schneider von Deimling, J.; Greinert, J.

Physical properties of methane-enriched plumes along the Hikurangi margin of New Zealand: Thoughts on sources and life spans of water column methane anomalies

XY0609; EGU2008-A-03038; IS46 - OS17/SM20-1MO3P-0609

Holzner, C. P.; Kipfer, R.

Helium isotope signals observed in active methane seepage areas in the Black Sea and in the Pacific

XY0610; EGU2008-A-07168; IS46 - OS17/SM20-1MO3P-0610

Gennerich, H.-H.; Villinger, H.

Data and first results from Longtime Environmental Monitoring at the Logatchev Hydrothermal Field

XY0611; EGU2008-A-09500; IS46 - OS17/SM20-1MO3P-0611

Perner, M.; Strauss, H.; Seifert, R.

Diversity and function of microorganisms from ultramafic and basalt-hosted vent systems on the Mid-Atlantic Ridge

XY0612; EGU2008-A-09876; IS46 - OS17/SM20-1MO3P-0612

Scherwath, M.; Kopp, H.; Flueh, E.R.; Henrys, S.A.

Subduction and backarc spreading structures along the Kermadec trench from wide-angle seismic data

XY0613; EGU2008-A-11332; IS46 - OS17/SM20-1MO3P-0613

Fink, D.; Borowski, C.; Neu, T.; Dubilier, N.

Biological response on change of hydrothermal fluid flow: quantification of bacterial endosymbionts in *Bathymodiolus puteoserpentis* using 3D image analyses

XY0614; EGU2008-A-11641; IS46 - OS17/SM20-1MO3P-0614

Walter, M.; Mertens, C.; Stöber, U.; Rhein, M.

Mixing, internal waves, and plume dispersal at the Nibelungen hydrothermal site, southern MAR

XY0615; EGU2008-A-12373; IS46 - OS17/SM20-1MO3P-0615

Röse, K.; Borowski, C.; Dubilier, N.

Biogeography of vent and seep mussels of the genus *Bathymodiolus*

XY0616; EGU2008-A-12383; IS46 - OS17/SM20-1MO3P-0616

Sültenfuß, J.; Walter, M.; Mertens, C.; Rhein, M.; Keir, R.; Schmale, O.

Helium Isotope studies on hot smokers in the South Atlantic

XY0617; EGU2008-A-01145; IS46 - OS17/SM20-1MO3P-0617

Dmitrievsky, A. N.; **Balanyuk, I. E.**; Chaikina, O. N.

Fluid dynamic model of the energy transfer from the mantle to the surface of geodynamic zone in oceans and continents

IS74 - OS18/SM21 Submarine volcano observation and monitoring (co-organized by OS & SM; co-listed in GMPV)

Convener: Riedel, C.

Co-Convener(s): Hensch, M., Schlindwein, V.

Lecture Room 3

Chairperson: N.N.

17:30–17:45; EGU2008-A-01964; IS73 - OS18/SM21-1MO5O-001

Urai, M.

Monitoring Fukutoku – Okanoba submarine volcano, Japan, with satellite remote sensing

17:45–18:00; EGU2008-A-00889; IS73 - OS18/SM21-1MO5O-002

Mitchell, N.C.; Beier, C.; Rosin, P.L.; Quartau, R.; Tempera, F.; Stevenson, J.A.

Lava penetrating water: submarine lava flows around the coasts of Pico Island, Azores

18:00–18:15; EGU2008-A-02442; IS73 - OS18/SM21-1MO5O-003

Reves-Sohn, R.; Willis, C.; Humphris, S.; Shank, T.; Singh, H.; Edmonds, H.; Nakamura, K.; Schlindwein, V.; Soule, A.

Explosive volcanism on the ultraslow-spreading Gakkell Ridge, Arctic Ocean

18:15–18:30; EGU2008-A-02760; IS73 - OS18/SM21-1MO5O-004

Hensch, M.; Dahm, T.; Hort, M.; Dehghani, A.; Hübscher, C.; the EGELADOS working group

First results of the Ocean-Bottom-Seismometer and -Tiltmeter experiment at Columbo submarine volcano (Aegean Sea, Greece)

18:30–18:45; EGU2008-A-07202; IS73 - OS18/SM21-1MO5O-005

Dimitriadis, I.; Karagianni, E.; Panagiotopoulos, D.; Papazachos, C.; Chatzidimitriou, P.; Bohnhoff, M.; Rische, M.; Meier, T.

Seismo-volcanic activity and active tectonics of the Santorini – Coloumbo volcanic center using data from a dense temporary seismic array

18:45–19:00; EGU2008-A-07524; IS73 - OS18/SM21-1MO5O-006

Calcara, M.; Mazzei, F.

Geochemical monitoring of submarine volcanic environment: example and future perspectives

19:00 END OF SESSION

IS74 - OS18/SM21 Submarine volcano observation and monitoring (co-organized by OS & SM; co-listed in GMPV) – Posters

Convener: Riedel, C.

Co-Convener(s): Hensch, M., Schlindwein, V.

Display Time: Monday, 08:00–19:30

Authors in Attendance: Monday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0618; EGU2008-A-02670; IS73 - OS18/SM21-1MO4P-0618

Hensch, M.; Hort, M.; Winter, S.; Dahm, T.

HOBIT - The new Hamburg Ocean Bottom Tiltmeter: A first deployment at Columbo Seamount (Aegean Sea, Greece)

XY0619; EGU2008-A-03020; IS73 - OS18/SM21-1MO4P-0619

Riedel, C.; Schlindwein, V.

Relocation of the 1999 seismic swarm along the ultra-slow Gakkell Ridge

XY0620; EGU2008-A-03176; IS73 - OS18/SM21-1MO4P-0620

Schlindwein, V.; Riedel, C.; Sohn, R.

Sounds of a deep submarine explosive eruption at the ultraslow-spreading Gakkell ridge, Arctic Ocean (solicited)

XY0621; EGU2008-A-05148; IS73 - OS18/SM21-1MO4P-0621

Kumagai, H.; Kinoshita, M.; Tsukioka, S.; Hyakudome, T.; Masaki, Y.; Sawa, T.; Yamamoto, F.; Yamamoto, H.; Shitashima, K.; Takai, K.

Mapping of emanating region of hydrothermal plumes in the Iheya-North knoll volcanic complex on the Okinawa-Trough back-arc rifting center

XY0622; EGU2008-A-05795; IS73 - OS18/SM21-1MO4P-0622

Zhang, CY; Ni, SD

Detection of earthquake swarm associated with volcanism in Southwest Indian Ocean

XY0623; EGU2008-A-06733; IS73 - OS18/SM21-1MO4P-0623

D'Alessandro, A.; D'Anna, G.; Luzio, D.; Mangano, G.

Polarization and high resolution parametric spectral analysis applied to the seismic signals recorded on the Marsili submarine volcano

XY0624; EGU2008-A-08690; IS73 - OS18/SM21-1MO4P-0624

De Santis, A.; MARSILI GEOSTAR3 TEAM

Geophysical exploration of the Marsili volcanic seamount: the ORION-GEOSTAR3 long-term experiment (solicited)

XY0625; EGU2008-A-11741; IS73 - OS18/SM21-1MO4P-0625

O'Mongain, A.; Ottemoller, L.; **Baptie, B.**; Galloway, D.; Booth, D

Seismic activity associated with a probable submarine eruption near Tristan da Cunha, July 2004-July 2006

Tuesday

OS1 Open Session on Ocean Circulation and Water Masses (including Outstanding Young Scientist Award Lecture) – Posters

Convener: Steinfeldt, R.

Co-Convener(s): Kanzow, T.; Joyce, T.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: STEINFELDT, R.

XY0449; EGU2008-A-01921; OS1-1TU3P-0449

Rubchenia, A.

Interrelation of polynyas of Siberian shelf seas and thermohaline characteristics in Fram strait

XY0450; EGU2008-A-01191; OS1-1TU3P-0450

Reinertsen Langehaug, H.; Falck, E.

Interannual variations of the water masses in the Fram Strait

XY0451; EGU2008-A-11905; OS1-1TU3P-0451

Olsson, K.A.; Jeansson, E.; Messias, M.-J.; Kasajima, Y.; Johannessen, T.

Pathway and mixing of Greenland Sea water to the Faroe area and the Iceland Basin

XY0452; EGU2008-A-08446; OS1-1TU3P-0452

Rodehacke, C.; Serra, N.; Quadfasel, D.; Käse, R.

Nordic Seas' Overflow and its dependence on the interplay between hydraulic control and atmospheric forcing

XY0453; EGU2008-A-07768; OS1-1TU3P-0453

Jungclaus, J.H.; Zhu, X.H.

Impact of overflow variability on the gyre and overturning circulation

XY0454; EGU2008-A-04250; OS1-1TU3P-0454

Serra, N.; Köhl, A.; Stammer, D.

Estimating the circulation of the North Atlantic via data syntheses: preliminary testing results

XY0455; EGU2008-A-00926; OS1-1TU3P-0455

Levermann, A.; Born, A.

Bistability of the Atlantic subpolar gyre in a coarse-resolution climate model

XY0456; EGU2008-A-01481; OS1-1TU3P-0456

Günnewig, P.; Kieke, D.; Rhein, M.

Evolution of properties related to ULSW formation during winters 2005-2007

XY0457; EGU2008-A-10173; OS1-1TU3P-0457

Kieke, D.; Rhein, M.

Reconstruction of CFC inventories from hydrographic data

XY0458; EGU2008-A-08029; OS1-1TU3P-0458

Gaillard, F.; Melet, A.

Interannual to decadal variability of the North Atlantic intermediate waters over the last 30 years

XY0459; EGU2008-A-06835; OS1-1TU3P-0459

Lecointre, A.; Penduff, T.; Barnier, B.; Greiner, E.

North Atlantic large-scale 1992-2001 variability in five ocean hindcasts and one reanalysis

XY0460; EGU2008-A-06612; OS1-1TU3P-0460

O'Neill, C.K.; Shapiro, G.I.; Lavender, S.

Modelling dense water cascading at Rockall Bank

XY0461; EGU2008-A-09054; OS1-1TU3P-0461

Ullgren, J.; White, M.

Interaction of MOW and SAIW in the southern Rockall Trough

XY0462; EGU2008-A-03272; OS1-1TU3P-0462

Gusev, A.; Bagno, A.; Diansky, N.; Moshonkin, S.

Bottom Currents in Straits as a Source of Atlantic Water Masses

XY0463; EGU2008-A-02847; OS1-1TU3P-0463

Comas-Rodríguez, I.; Hernández-Guerra, A.; Vélez-Belchí, P.

Mass transport of the North Atlantic meridional overturning circulation using hydrographic data and Argo velocity measures

XY0464; EGU2008-A-04223; OS1-1TU3P-0464

Kanzow, T.; Bryden, H.; Bingham, R.; Hughes, C.; Cunningham, S.

Large-scale mass and transport fluctuations in the North Atlantic at daily and seasonal time scales

XY0465; EGU2008-A-08883; OS1-1TU3P-0465

Chidichimo, M. P.; Kanzow, T.; Cunningham, S. A.; Marotzke, J.

Eastern boundary baroclinic variability and the meridional overturning circulation at 26.5°N

XY0466; EGU2008-A-11293; OS1-1TU3P-0466

Heimbach, P.; Hill, C.; Utke, J.

Examining the relationship of the response of North Atlantic ocean heat, salt, and volume circulations to perturbations - a multi-decadal adjoint sensitivity study (cancelled)

XY0467; EGU2008-A-10691; OS1-1TU3P-0467

Zanna, L.; Heimbach, P.; Moore, A.M.; Tziperman, E.

Non-normal dynamics of the Atlantic ocean circulation in an idealized GCM

XY0468; EGU2008-A-06552; OS1-1TU3P-0468

Hüttl, S

Influence of the MOC on the tropical Atlantic circulation

XY0469; EGU2008-A-08890; OS1-1TU3P-0469

Kühnel, D.; Rhein, M.; Sültenfuß, J.

Upwelling rates at the Tropical Atlantic inferred from helium isotope and wind-stress data

XY0470; EGU2008-A-06930; OS1-1TU3P-0470
Alvarez, I.; Gomez-Gesteira, M.; deCastro, M.; Iglesias, I.
Evolution of Ekman pumping velocity along the western Iberian Peninsula from 2000 to 2006

XY0471; EGU2008-A-02788; OS1-1TU3P-0471
deCastro, M.; Gómez-Gesteira, M.; Alvarez, I.; **Iglesias, I.**;
Gesteira, J.L.C.; Crespo, A.J.C
Upwelling trends along the Canary Upwelling System from 1967 to 2006

XY0472; EGU2008-A-09583; OS1-1TU3P-0472
Zuo, H.; Naveira Garabato, A.; New, A.; Oschlies, A.
An isopycnic model study of the circulation of Sub-Antarctic Mode Water throughout the global ocean

XY0473; EGU2008-A-00327; OS1-1TU3P-0473
Demidov, A.N.; Morozov, E.G.; Dobrolyubov, S.A.
Bottom water structure and its temporal variability in the Equatorial and South Atlantic

XY0474; EGU2008-A-05170; OS1-1TU3P-0474
Tarakanov, R.Yu.
Geostrophic currents and water masses in the Drake Passage

XY0475; EGU2008-A-00510; OS1-1TU3P-0475
Vadillo, V.A
Influence of the hurricanes on the Yucatan current

XY0476; EGU2008-A-04449; OS1-1TU3P-0476
Collins, C.; Margollina, T.; Rago, T.
Submesoscale coherent vortices in the California Current system as observed by looping RAFOS floats

XY0477; EGU2008-A-01331; OS1-1TU3P-0477
Kang, J.C.; Ren, H.R.; Wang, T.T.; An, Y.
Temperature Distribution of Kuroshio in East China Sea

XY0478; EGU2008-A-08416; OS1-1TU3P-0478
Eden, C.; Jochum, M.; Danabasoglu, G.
Effects of different closures for thickness diffusivity

XY0479; EGU2008-A-03779; OS1-1TU3P-0479
Drillet, Y.; Le Galloudec, O.; Bourdallé-Badie, R.; Derval, C.; Bricaud, C.; Garric, G.; Durand, E
The Mercator global ocean high resolution model (1/12°) : validation and meso scale representation in an interannual experiment.

XY0480; EGU2008-A-04091; OS1-1TU3P-0480
Howe, N.; Czaja, A
A simple model for the strength of the THC based on air-sea interactions

XY0481; EGU2008-A-01503; OS1-1TU3P-0481
Marchal, O.; Colin de Verdière, A.; Winsor, P.
Adjustment of a fluid layer to surface buoyancy forcing on the beta-plane: An overlooked problem

XY0482; EGU2008-A-03048; OS1-1TU3P-0482
Grignon, L.; Smeed, D.A.; Bryden, H.L.
Influence of the short-term variability of surface forcing on deep convection

XY0483; EGU2008-A-10284; OS1-1TU3P-0483
Troupin, C.; Ouberdous, M.; Rixen, M.; Sirjacobs, D.; Beckers, J.-M.
Three-dimensional analysis of oceanographic data with the software DIVA

OS2 Open session on Shelf Seas, Coastal Seas, and Estuaries (co-listed in BG & NP)

Convener: van der Molen, J.
Co-Convener(s): de Swart, H., Valle-Levinson, A.
Lecture Room 4
Chairperson: N.N.

10:30–11:15; EGU2008-A-01204; OS2-1TU2O-001
Simpson, J.H.

Developing understanding of the shelf seas and their role in the global ocean (Fridtjof Nansen Medal Lecture) (solicited)

11:15–11:30; EGU2008-A-03610; OS2-1TU2O-002
Grabemann, I.; Weisse, R.

Expected future changes in North Sea wave conditions due to anthropogenic climate change

11:30–11:45; EGU2008-A-01420; OS2-1TU2O-003
Witting, M.; Wehmeyer, C.

Medium-term morphodynamic modelling of mud and sand in the tidal basin Jadebusen

11:45–12:00; EGU2008-A-04409; OS2-1TU2O-004

Warner, J. C.; Sullivan, C. M.; Voulgaris, G.; Work, P.
Effect of storms on inner-shelf sediment transport in Long Bay, South Carolina

12:00 LUNCH BREAK

Chairperson: N.N.

13:30–13:45; EGU2008-A-03864; OS2-1TU3O-001

Calvete, D.; Falques, A.; de Swart, H.E.; Dodd, N.; Ribas, F.; Garnier, R.
The role of the depth-averaged concentration in coastal morphodynamics

13:45–14:00; EGU2008-A-00476; OS2-1TU3O-002

Sriariyawat, A.; Dodd, N.
Formation and Long-term Evolution of Beach Cusps

14:00–14:30; EGU2008-A-03123; OS2-1TU3O-003

Stanev, E. V.
Sediment Dynamics in Tidal Basins: From Individual Processes to State Estimates (solicited)

14:30–14:45; EGU2008-A-04683; OS2-1TU3O-004

Wolff, J.-O.
Hydro- and Sedimentdynamics in the East-Frisian Wadden Sea

14:45–15:00; EGU2008-A-04514; OS2-1TU3O-005

van der Molen, J.; Bolding, K.; Mills, D.K.
A hybrid Method to model suspended Particulate Matter Concentrations in Shelf Seas

15:00 COFFEE BREAK

Chairperson: N.N.

15:30–15:45; EGU2008-A-01536; OS2-1TU4O-001

Morozov, E.; Paka, V.
Strong internal tides in the Kara Strait

15:45–16:00; EGU2008-A-04075; OS2-1TU4O-002

Valle-Levinson, A.; Cheng, P.
Hydrodynamics over an estuarine scour pit

16:00–16:15; EGU2008-A-02290; OS2-1TU4O-003

Gräwe, U.; Ribbe, J.; Wolff, J.-O.
The inverse nature of an Australian bay

16:15–16:30; EGU2008-A-02805; OS2-1TU40-004
GERKEMA, T.; van Haren, H.
Internal tides and energy fluxes over Great Meteor Seamount (solicited)

16:30–16:45; EGU2008-A-03686; OS2-1TU40-005
Howlett, E.; Howarth, J.; Rippeth, T.; Proctor, R.
Liverpool Bay: a coastal seas' responses to winds, waves, tides and freshwater.

16:45–17:00; EGU2008-A-01685; OS2-1TU40-006
Hall, R.; Huthnance, J.; Williams, R.
Mixing and dissipation of internal wave energy on a shelf slope

17:00 COFFEE BREAK

Chairperson: N.N.

17:30–17:45; EGU2008-A-00716; OS2-1TU50-001
de Brye, B.; Deleersnijder, E.; Gourgue, O.; de Brauwere, A.
Finite element modelling of the Scheldt estuary and the adjacent Belgian/Dutch coastal zone

17:45–18:00; EGU2008-A-07409; OS2-1TU50-002
Colbo, K.; Hannah, C.; Greenberg, D.; Hay, A.
Effects of stratification of the tide in the Bay of Fundy

18:00–18:15; EGU2008-A-07647; OS2-1TU50-003
Beg Paklar, G.; Bajic, A.; Belusic, D.; Kraljevic, L.; Dadic, V.; Grbec, B.; Orlic, M.; Vilibic, I.
Numerical simulation of the bora-driven currents during different synoptic conditions above the Adriatic

18:15–18:30; EGU2008-A-01155; OS2-1TU50-004
Thorpe, S.; **Green, M.;** Simpson, J.; Osborn, T.; Nimmo Smith, A.
Boils and turbulence in a weakly stratified shallow tidal sea

18:30–18:45; EGU2008-A-01597; OS2-1TU50-005
Shi, J.Z.
The dispersal and mixing processes within the plume of the Changjiang River estuary: influences of the M2, S2, K1, and O1 tidal constituents in the flood and dry seasons

18:45–19:00; EGU2008-A-10343; OS2-1TU50-006
Pietrzak, J.; de Boer, G.J.
Using the potential energy anomaly equations as a new diagnostic tool for coastal ocean modelling

19:00 END OF SESSION

OS12 Ocean Tracers and Anthropogenic CO₂ (co-listed in CL, co-sponsored by EAG) – Posters

Convener: Schlosser, P.
Co-Convener(s): Wallace, D., GRUBER, N.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 13:30–15:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0484; EGU2008-A-08501; OS12-1TU3P-0484
Rodehacke, C.; Roether, W.; Hellmer, H.; Hall, T.
Temporal variations and trends of CFC11 and CFC12 surface-water saturations in Antarctic marginal seas: Results of a regional ocean circulation model

XY0485; EGU2008-A-07607; OS12-1TU3P-0485
Tanhua, T.; Jones, E.P.; Jeansson, E.; Jutterström, S.; Smethie, W.M.; Wallace, D.W.R.; Anderson, L.G.
Anthropogenic CO₂ and acidification in the Arctic Ocean

XY0486; EGU2008-A-09199; OS12-1TU3P-0486
Brown, P.; **Schuster, U.;** Watson, A.; Cunningham, S.; McDonagh, E.
The changing dynamics of the subtropical North Atlantic anthropogenic carbon sink

XY0487; EGU2008-A-11742; OS12-1TU3P-0487
Messias, M.-J.; Watson, A. J.; Brown, P.; Schuster, U.
Tracer-derived transit time distributions in the North Atlantic along 36° N and inferred anthropogenic carbon concentrations

XY0488; EGU2008-A-04462; OS12-1TU3P-0488
Brix, H.; Deutsch, C.
Oxygen and carbon variability in the upper water column: patterns and mechanisms

XY0489; EGU2008-A-04067; OS12-1TU3P-0489
Schneider, A.; Tanhua, T.; Klein, B.; Wallace, D.W.R.
Anthropogenic CO₂ in the Mediterranean Sea

XY0490; EGU2008-A-12500; OS12-1TU3P-0490
Álvarez, M.; Lo Monaco, C.; Tanhua, T.; Yool, A.; Oschlies, A.; Bullister, J.L.; Goyet, C.; Touratier, F.; Wanninkhof, R.; Wisegarver, D.; McDonagh, E.; Bryden, H.L.
A higher storage of anthropogenic carbon in the Indian Ocean?

OS13 Time series observations at fixed points in the open ocean: Insights into the dynamics of our deep seas (co-listed in BG)

Convener: Lampitt, R.
Co-Convener(s): Knap, T.
Lecture Room 14
Chairperson: N.N.

8:30–8:45; EGU2008-A-05953; OS13-1TU10-001
Send, U.; Weller, R.
The global timeseries program OceanSITES

8:45–9:00; EGU2008-A-05793; OS13-1TU10-002
Given, H.; Weller, R.; Delaney, J.; Orcutt, J.
Preliminary network design of the Ocean Observatories Initiative

9:00–9:15; EGU2008-A-10376; OS13-1TU10-003
Church, M.; Karl, D.; Letelier, R.; Lukas, R.; Dore, J.; Bidigare, R.; Landry, M.
The Hawaii Ocean Time-series (HOT) program: 20 years of sustained ocean observations in the North Pacific Subtropical Gyre

9:15–9:30; EGU2008-A-04866; OS13-1TU10-004
McPhaden, M.J.; Meyers, G.; Ando, K.; Syamsudin, F.; Masumoto, Y.; Murty, VSN; Ravichandran, M.; Vialard, J.; Yu, L.; Yu, W.
RAMA: Research Moored Array for African-Asian-Australian Monsoon Analysis and Prediction

9:30–9:45; EGU2008-A-08764; OS13-1TU10-005
Lampitt, R.S.; EuroSITES
EuroSITES: Integrating Europe's deep ocean observatories from the ocean interior to the seafloor and subseafloor

9:45–10:00; EGU2008-A-05755; OS13-1TU10-006
Orcutt, J.; Vernon, F.; Arrott, M.; Chave, A.; Krueger, I.; Schofield, O.; Peach, C.; Glenn, S.
Cyberinfrastructure for the US NSF Ocean Observatories Initiative

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-09434; OS13-1TU2O-001

Østerhus, S

Station M, the Eulerian Observatory of the Norwegian Sea

10:45–11:00; EGU2008-A-09182; OS13-1TU2O-002

Conte, M

The Oceanic Flux Program (OFP): A thirty-year continuous record of particle flux in the deep Sargasso Sea

11:00–11:15; EGU2008-A-02613; OS13-1TU2O-003

Coppola, L.; Marty, J.C.; Migon, C.; Guieu, C.; Miquel, J.C.; Chiaverini, J.; Leblond, N.; Dufour, A.; Desprez de Gésincourt, F.

DYFAMED Time Series: A synthesis of 20 years observation in the Ligurian Sea

11:15–11:30; EGU2008-A-09680; OS13-1TU2O-004

Miquel, J.C.; Martín, J.; Gasser, B.; Rodriguez-y-Baena, A.; Toubal, T.; Fowler, S.

Long-term study of settling particle flux and carbon export at the DYFAMED open sea station (Ligurian Sea, North-western Mediterranean)

11:30–11:45; EGU2008-A-07228; OS13-1TU2O-005

Wallace, DWR; Cotrim da Cunha, L.; Körtzinger, A.; Visbeck, M.; Karstensen, J.; Brandt, P.; Santos, C.; Melicio, O.; Silva, P.; Monteiro, I

The Tropical Eastern North Atlantic Time-Series Observatory at Cape Verde (TENATSO). Status and initial results from the ocean site.

11:45–12:00; EGU2008-A-08517; OS13-1TU2O-006

Larkin, K.E.; Hartman, S.E.; Lampitt, R.S.; Pagnani, M.R.; Gooday, A.J.; Körtzinger, A.; Billett, D.S.M

Biogeochemical time-series from the ocean interior to the seafloor at the Porcupine Abyssal Plain (PAP) Observatory (49°N, 16.5°W)

12:00 LUNCH BREAK

Lecture Room 3

Chairperson: N.N.

17:30–17:45; EGU2008-A-06240; OS13-1TU5O-001

Cardin, V.; Gacic, M.

Salinity increase and warming in the southern Adriatic between 2002–2006 as evidenced from a deep-sea mooring site

17:45–18:00; EGU2008-A-02615; OS13-1TU5O-002

Petihakis, G.; Nittis, K.; Ballas, D.; Pagonis, P.; Drakopoulos, P.

Eulerian Observations in Hellenic Seas

18:00–18:15; EGU2008-A-11693; OS13-1TU5O-003

Gehlen, M.

Eulerian observatories and a modeling perspective of pelagic-benthic coupling in the open ocean.

18:15–18:30; EGU2008-A-00024; OS13-1TU5O-004

Honda, M.; Watanabe, S.; Matsumoto, K.; Kawakami, H.; Sasaki, K.; Wakita, M.; Fujiki, T.; Nakano, Y

Time-series observation for the biogeochemistry at station K2 in the northwestern North Pacific

18:30–18:45; EGU2008-A-01447; OS13-1TU5O-005

Weller, R.

Air sea coupling under the persistent stratus in the southeastern Pacific

18:45–19:00; EGU2008-A-06413; OS13-1TU5O-006

Nodder, S.; Boyd, P.; Chsiwell, S.; Pinkerton, M.; Sutton, P. Seasonal and interannual variability in oceanographic processes from time-series biophysical and biogeochemical data collection in subtropical and subantarctic waters off New Zealand, SW Pacific Ocean

19:00 END OF SESSION

OS13 Time series observations at fixed points in the open ocean: Insights into the dynamics of our deep seas (co-listed in BG) – Posters

Convener: Lampitt, R.

Co-Convener(s): Knap, T.

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 13:30–15:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0491; EGU2008-A-01187; OS13-1TU3P-0491

Mata, M.; Cirano, M.; Caspel, M.; Goni, G.; Baringer, M.

Observations of the Brazil Current baroclinic transport variability near 22oS

XY0492; EGU2008-A-02029; OS13-1TU3P-0492

González-Dávila, M.; Santana-Casiano, J.M.; Suárez de Tangil, M.

Inter-annual Variability of the Upper Ocean Carbon Cycle in the ESTOC station

XY0493; EGU2008-A-02321; OS13-1TU3P-0493

Bigorre, B.; Weller, W

Air-sea interactions in the Gulf Stream region from long-term in-situ observations

XY0494; EGU2008-A-02982; OS13-1TU3P-0494

Murty, V.S.N.; Sarma, M.S.S.; Suryanarayana, A.; Lakshmi, A.S.N.; Anil Kumar, M.; Vidya, P.J.

Intraseasonal, seasonal and interannual variability in the measured currents in the equatorial Indian Ocean

XY0495; EGU2008-A-04290; OS13-1TU3P-0495

Lankhorst, M.; Send, U.; Biastoch, A.

Transport Time Series of Northeastern Atlantic Currents Derived from Long-Distance Geostrophy

XY0496; EGU2008-A-04426; OS13-1TU3P-0496

Cronin, M

Upper ocean heat balance at the Kuroshio Extension Observatory (KEO)

XY0497; EGU2008-A-07265; OS13-1TU3P-0497

Drakopoulos, P.; Nittis, K.; Zervakis, V.; Petihakis, G.; Ballas, D.; Pagonis, P.

The new generation of optical instruments for the POSEIDON system: Current status and first observations

Display Time: Tuesday, 08:00–19:30

Authors in Attendance: Tuesday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0498; EGU2008-A-07611; OS13-1TU4P-0498

Somavilla, R.; González-Pola, C.; Rodriguez, C.; Sanchez, R.F.; Lavín, A.

Large hydrographical changes at the Bay of Biscay after the extreme winter mixing of 2005 from an open-ocean monthly time series of profiles

XY0499; EGU2008-A-08282; OS13-1TU4P-0499

Skjelvan, I.

Carbon time series at Ocean Weather Station M

XY0500; EGU2008-A-09018; OS13-1TU4P-0500
Melnikov, V. A.; Golenko, N.N.
Mezopolygon-85 time-space scales of hydrophysical processes

XY0501; EGU2008-A-09467; OS13-1TU4P-0501
Hansen, B; Hatun, H; **Østerhus, S;** Quadfasel, D; Jons-
son, S; Valdimarsson, H; Turrell, B; Hughes, S; Sherwin, T
Monitoring the exchanges between the Atlantic and the
Arctic across the Greenland-Scotland Ridge

XY0502; EGU2008-A-10034; OS13-1TU4P-0502
Berger, J.; **Orcutt, J.;** O'Sullivan, J.; Halkyard, J.
The Extended Draft Platform: An advanced OOI prototype
buoy

XY0503; EGU2008-A-10271; OS13-1TU4P-0503
Cianca, A.; Godoy, J.M.; Perez-Marrero, J.; Villagar-
cia, M.G.; Maroto, L.; Cardona, L.; Barrera, C.; Rueda, M.J.;
Llinas, O.
Seasonal Chlorophyll-a concentration cycle and interannual
variability at three subtropical ocean sites

XY0504; EGU2008-A-10579; OS13-1TU4P-0504
Lavín, A.; Alonso, J.; Cabanas, J.M.; Díaz del Río, G.;
González, N.; González-Pola, C.; Rodríguez, C.; Ruiz-
Villarreal, M.; **Sánchez Leal, R.F.;** Somavilla, R.
Spanish Deep Standard Section and (CO)VACLAN Projects:
studying the variability of deep waters in the southern Bay
of Biscay

OS15 Model development for large- and small-scale processes in the ocean (co-listed in NP)

Convener: Deleersnijder, E.
Co-Convener(s): Lermusiaux, P., Schröter, J.
Lecture Room 4
Chairperson: PIETRZAK J.

8:30–8:45; EGU2008-A-11101; OS15-1TU10-001
Hill, C.; Marshall, J; Campin, J-M; Jones, H
Superparameterization in ocean modeling using general
multiscale techniques - a deep-convection case study.

8:45–9:00; EGU2008-A-10674; OS15-1TU10-002
Fabbroni, N.; Lermusiaux, P.; Oddo, P.; Pinardi, N.;
Haley, P.; De Marte, M.
Development of a relocatable ocean prediction system for
Ligurian sea

9:00–9:15; EGU2008-A-03092; OS15-1TU10-003
Sannino, G.; Carillo, A.; Rupolo, V.; Artale, V.
Impact of a two-way grid refinement at the Strait of Gibraltar
on the thermohaline circulation of the Mediterranean Sea

9:15–9:30; EGU2008-A-10463; OS15-1TU10-004
Leclair, M.; Madec, G.
A conservative leap-frog time stepping method

9:30–9:45; EGU2008-A-01389; OS15-1TU10-005
Sijp, W.; England, M
Isopycnal mixing controls NADW stability in ocean models

9:45–10:00; EGU2008-A-00827; OS15-1TU10-006
White, L.; Adcroft, A.; Hallberg, R.
High-order remapping schemes for generalized vertical
coordinates in ocean models

10:00 COFFEE BREAK

Lecture Room 6
Chairperson: WHITE L.

17:30–17:45; EGU2008-A-00737; OS15-1TU50-001
Blaise, S.; Comblen, R.; Lambrechts, J.; Legat, V.; Deleer-
snijder, E.; Remacle, J.-F.
Design and preliminary validation of a three-dimensional,
baroclinic, unstructured-mesh, finite-element ocean model

17:45–18:00; EGU2008-A-09296; OS15-1TU50-002
Timmermann, R.; Androsov, A.; Boening, C.; Danilov, S.;
Huerta-Casas, A.; Massmann, S.; **Schroeter, J.;**
Sidorenko, D.; Rollenhagen, K.; Wang, Q.
A global finite-element sea ice and ocean model

18:00–18:15; EGU2008-A-08139; OS15-1TU50-003
Ham, D.; Cotter, C; Pain, C; Reich, S
A stable mixed discontinuous/continuous finite element pair
suited to large scale ocean simulations.

18:15–18:30; EGU2008-A-09403; OS15-1TU50-004
Cotter, C. J.; Pain, C. C.; Piggott, M. D.
A quantitative study of 3D anisotropic dynamic adaptivity
applied to open ocean deep convection

18:30–18:45; EGU2008-A-09939; OS15-1TU50-005
Pietrzak, J.; Kleptsova, O; Stelling, G
An unstructured mesh finite volume C-grid coastal ocean
model

18:45–19:00; EGU2008-A-04460; OS15-1TU50-006
Cessi, P.; Wolfe, C. L.
Eddy-driven buoyancy gradients on Eastern boundaries.

19:00 END OF SESSION

OS15 Model development for large- and small-scale processes in the ocean (co-listed in NP) – Posters

Convener: Deleersnijder, E.
Co-Convener(s): Lermusiaux, P., Schröter, J.
Display Time: Tuesday, 08:00–19:30
Authors in Attendance: Tuesday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0505; EGU2008-A-00712; OS15-1TU4P-0505
Gourgue, O.; Deleersnijder, E.; Legat, V.
A finite element wetting-drying method, with application to
the Scheldt estuary

XY0506; EGU2008-A-00728; OS15-1TU4P-0506
Lambrechts, J.; Deleersnijder, E.; Legat, V.; Hanert, E.;
Wolanski, E.
Finite-element model of the Great Barrier Reef circulation

XY0507; EGU2008-A-00772; OS15-1TU4P-0507
Bernard, P.-E.; Remacle, J.-F.; Legat, V.
High-order discontinuous Galerkin methods for solving
conservation laws on curved manifolds

XY0508; EGU2008-A-07997; OS15-1TU4P-0508
Wang, Q.; Danilov, S.; Sidorenko, D.; Schröter, J.
Continuous linear and nonconforming discretizations of hor-
izontal velocity in FEOM: Assessing effects of stabilization

XY0509; EGU2008-A-02091; OS15-1TU4P-0509
Li, J. G.
Spherical multiple-cell grid suitable for ocean models

XY0510; EGU2008-A-01172; OS15-1TU4P-0510
Renaudie, C
Adaptation of the vertical resolution in the mixed layer for
HYCOM

XY0511; EGU2008-A-07442; OS15-1TU4P-0511
Popova, E.E.; Coward, A.C.
 Upper mixed layer variability as a driving force of the ecosystem dynamics: Preliminary results from a global 0.25 degree coupled physical and biological NEMO run

XY0512; EGU2008-A-10412; OS15-1TU4P-0512
Mouchet, A.
 Oxygen, a tool for assessing ocean tracer transport models

XY0513; EGU2008-A-04458; OS15-1TU4P-0513
 Wolfe, C.L.; **Cessi, P.**
 Overtuning circulation in an eddy-resolving model: the effect of the pole-to-pole temperature gradient.

XY0514; EGU2008-A-09877; OS15-1TU4P-0514
Kärnä, T.; de Brye, B.; de Brauwere, A.; Gourgue, O.; Deleersnijder, E.
 Simplified test cases for modelling the transport of fecal bacteria in hydrosystems

Wednesday

OS6 Ocean Remote Sensing (co-listed in BG, CL, CR & GD)

Convener: MILLER, J.
 Co-Convener(s): Schrama, E., Barale, V., Han, G.
 Lecture Room D
 Chairperson: SCHRAMA, E.

8:30–8:45; EGU2008-A-08124; OS6-1WE1O-001
Bosch, W.; Savcenko, R.
 Instantaneous ocean dynamic topography profiles – assessment through smoothed GRACE geoids and altimetric sea surface height profiles

8:45–9:00; EGU2008-A-05261; OS6-1WE1O-002
Knudsen, P.; Andersen, O.
 Optimal Filtering of Mean Dynamic Topography Models

9:00–9:15; EGU2008-A-08267; OS6-1WE1O-003
Andersen, O. B.; Knudsen, P.
 The DNSC07MSS global Mean Sea surface and mean dynamic topography from multi-mission radar altimetry.

9:15–9:30; EGU2008-A-08929; OS6-1WE1O-004
Gommenginger, C.P.; Cipollini, P.; Martin-Puig, C.; Marquez, J.; Cotton, P.D.; Raney, R.K.; Benveniste, J.
 SAR Altimetry numerical simulations over water surfaces

9:30–9:45; EGU2008-A-09805; OS6-1WE1O-005
Cipollini, P.; Gomez-Enri, J.; Gommenginger, C.P.; Martin-Puig, C.; Vignudelli, S.; Woodworth, P.; Benveniste, J.
 Developing radar altimetry in the oceanic coastal zone: the COASTALT project

9:45–10:00; EGU2008-A-10833; OS6-1WE1O-006
Quartly, G.D.
 Intermittency in the East Madagascar flow

10:00 COFFEE BREAK

Chairperson: HAN, G.

10:30–10:45; EGU2008-A-05885; OS6-1WE2O-001
Lee, T.; McPhaden, M. J.
 Atmospheric and oceanic bridges that link the variability of meridional circulations in the Pacific and Indian Oceans

10:45–11:00; EGU2008-A-04878; OS6-1WE2O-002
Lin Mingsen, Pro.; Zou Juhong, Dr.; Pan Delu, Pro.
 A high wind GMF for QuikSCAT wind retrievals and application to typhoon IOKE

11:00–11:15; EGU2008-A-10410; OS6-1WE2O-003
Pontes, M. T.; Bruck, M.
 Satellite data for wave energy resource assessment

11:15–11:30; EGU2008-A-11717; OS6-1WE2O-004
Brusch, S.; Lehner, S.; Stellenfleh, J.-S.
 Sar derived wind and ocean wave fields of mesoscale cyclones

11:30–11:45; EGU2008-A-07729; OS6-1WE2O-005
 Le Dimet, F.X.; Souopgui, I.; **Titau, O.;** Vidard, A.
 Assimilation of Images in Numerical Models

11:45–12:00; EGU2008-A-06483; OS6-1WE2O-006
Sedlacek, S.; Ziemer, F.
 Bottom stress estimation based on Radar Observed Currents

12:00 LUNCH BREAK

Chairperson: BARALE, V.

13:30–13:45; EGU2008-A-06327; OS6-1WE3O-001
Barale, V.
 Optical remote sensing of ecological dynamics in the Red Sea

13:45–14:00; EGU2008-A-04222; OS6-1WE3O-002
 Bruck, M.; Silva, J.; **Pontes, M.T.**
 Is there a correlation between chlorophyll-a concentration and wave climate?

14:00–14:15; EGU2008-A-07501; OS6-1WE3O-003
Bracher, A.; Vountas, M.; Dinter, T.; Burrows, J.; Röttgers, R.; Gehnke, S.; Peeken, I.
 Observation of cyanobacteria and diatoms from space using Differential Optical Absorption Spectroscopy on SCIAMACHY data

14:15–14:30; EGU2008-A-07616; OS6-1WE3O-004
Piskozub, J.; Neumann, T.; Wozniak, L.
 On the correct choice of depth weighting function in optical remote sensing of vertically inhomogeneous waters.

14:30–14:45; EGU2008-A-07822; OS6-1WE3O-005
Brajard, J.; Santer, R.; Thiria, S.
 Remote sensing of MERIS data of coastal waters

14:45–15:00; EGU2008-A-11505; OS6-1WE3O-006
Jonsson, B.; Salisbury, J.; Campbell, J.; Mahadevan, A.
 Large reversals in continental shelf phytoplankton carbon dynamics revealed by satellite

15:00 END OF SESSION

OS6 Ocean Remote Sensing (co-listed in BG, CL, CR & GD) – Posters

Convener: MILLER, J.
 Co-Convener(s): Schrama, E., Barale, V., Han, G.
 Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 15:30–17:00
 Poster Area Halls X/Y
 Chairperson: MILLER, J.

XY0618; EGU2008-A-11702; OS6-1WE4P-0618
 Paturi, S.; **Han, G.;** de Young, B.
 A 3-D Data-Assimilative Tidal Model of the Northwest Atlantic

XY0619; EGU2008-A-05391; OS6-1WE4P-0619
Pavlis, E. C.; Mertikas, S. P.
 Absolute calibration of the JASON-1 altimeter from the GAVDOS project

XY0620; EGU2008-A-08145; OS6-1WE4P-0620
Homberg, A.; Esselborn, S.; Flechtner, F.
Determination of oceanic mass changes with radar altimetry, Argo profiles and GRACE measurements

XY0621; EGU2008-A-08559; OS6-1WE4P-0621
Fehlau, M.; Ferri, L.; Fenoglio-Marc, L.; Gao, Y.; Becker, M.
Coastal sea surface heights from improved altimeter data in the Mediterranean Sea

XY0622; EGU2008-A-08753; OS6-1WE4P-0622
Thomas, M.; Cipollini, P.; Benveniste, J.
Separating planetary waves from mesoscale eddies in altimetric dynamic topography maps

XY0623; EGU2008-A-09462; OS6-1WE4P-0623
Christine Gommenginger, C.P.; Quartly, G.D.; Challenor, P.G.; Rogers, C.; Benveniste, J.
On the coherence of nadir altimeter signals over water with ENVISAT RA-2 Individual Echoes

XY0624; EGU2008-A-05269; OS6-1WE4P-0624
Knudsen, P.; Benveniste, J.; Teams, 2
GOCE in Ocean Modelling, GUT and the GOCINO project.

XY0625; EGU2008-A-10024; OS6-1WE4P-0625
A. Ardalán, A.; Torabi, M.
Along track spectral analysis of satellite altimetry observations for Mean Sea Level modeling

XY0626; EGU2008-A-11754; OS6-1WE4P-0626
Karimi, R.; A. Ardalán, A.
An iterative Lagrangian approach to Sea Surface Topography and marine geoid computations following exactly the definition of the geoid according to Gauss and Listing

XY0627; EGU2008-A-00811; OS6-1WE4P-0627
Bakhanov, V.V.; Bogatov, N.A.; Ermoshkin, A.V.; Kazakov, V.I.; Kemarskaya, O.N.; Lobanov, V.N.; Repina, I.A.; Titov, V.I.; Troitskaya, Yu.I.; Zuikova, E.M.
Subsatellite studies of ocean upper layer and atmospheric near-surface layer variability in a shelf area

XY0628; EGU2008-A-06273; OS6-1WE4P-0628
Bonekamp, H.; Anderson, C.; **Wilson, J.J.;** Figa, J.
Calibration and Validation of ASCAT Backscatter

Display Time: Wednesday, 08:00–19:30
Authors in Attendance: Wednesday, 17:30–19:00

Poster Area Halls X/Y
Chairperson: N.N.

XY0629; EGU2008-A-07367; OS6-1WE5P-0629
Clarizia, M-P; **Gommenginger, C.P.;** Gleason, S.; Galdi, C.; Unwin, M.
Global Navigation Satellite System-Reflectometry (GNSS-R) from the UK-DMC satellite for remote sensing of the ocean surface

XY0630; EGU2008-A-11650; OS6-1WE5P-0630
Quilfen, Y.; Prigent, C.; Chapron, B.
The potential of QuikSCAT and WindSat observations for the estimation of sea surface wind vector under severe weather conditions

XY0631; EGU2008-A-02949; OS6-1WE5P-0631
Ho, C. R.; Su, F. C.; Kuo, N. J.; Tsao, C. C.
Distribution of Internal Waves in the South China Sea from Satellite Ocean Color Imagery

XY0632; EGU2008-A-06502; OS6-1WE5P-0632
Astoreca, R.; Rousseau, V.; Ruddick, K.; **Lancelot, C.**
Development and application of an algorithm for detecting undesirable *Phaeocystis globosa* blooms from space

XY0633; EGU2008-A-08710; OS6-1WE5P-0633
Ebert, K.; Schaale, M.; Fischer, J.
Radiative transfer sensitivity studies for detection of oceanic coccolithophore blooms from ENVISAT MERIS data

XY0634; EGU2008-A-11379; OS6-1WE5P-0634
Martins, A.; Bashmachnikov, I.; Mendonça, A.
Multi-sensor (SeaWiFS/MODIS/AVHRR) surface signature of the Azores current

XY0635; EGU2008-A-01629; OS6-1WE5P-0635
Nakamura, S.
Satellite Thermal Monitoring of Ocean Front Evolution

XY0636; EGU2008-A-05019; OS6-1WE5P-0636
Kuo, N.-J.; Ho, C.-R.; Lo, Y.-T.; Huang, S.-J.; Tsao, C.-C.
Observation of sea surface water in the northwestern South China Sea by satellite data

XY0637; EGU2008-A-05589; OS6-1WE5P-0637
Isern-Fontanet, J.; Lapeyre, G.; Klein, P.; Chapron, B.; Hecht, M.
3D Reconstruction of oceanic mesoscale currents from a single snapshot of sea surface temperature

XY0638; EGU2008-A-07700; OS6-1WE5P-0638
Bashmachnikov, I.; Machin, F.; Martins, A.; Mendonça, A.
Remote sensing signature of three Meddies east of the Mid-Atlantic ridge

OS12 Ocean Tracers and Anthropogenic CO₂ (co-listed in CL, co-sponsored by EAG)

Convener: Schlosser, P.
Co-Convener(s): Wallace, D., GRUBER, N.
Lecture Room 4
Chairperson: N.N.

8:30–8:45; EGU2008-A-01792; OS12-1WE1O-001
Rhein, M.; Kieke, D; Steinfeld, R
Changes in LSW formation rates inferred from CFC inventories (solicited)

8:45–9:00; EGU2008-A-04822; OS12-1WE1O-002
Khatiwala, S
Global ocean uptake and storage of anthropogenic carbon estimated using transit-time distributions (solicited)

9:00–9:15; EGU2008-A-00162; OS12-1WE1O-003
Bakker, D.C.E.; Hoppema, M.; Schröder, M.; Geibert, W.; de Baar, H.J.W.
Rapid transition from ice covered high CO₂ waters to a biologically mediated CO₂ sink in the eastern Weddell Gyre (solicited)

9:15–9:30; EGU2008-A-05299; OS12-1WE1O-004
Huhn, O.; **Roether, W.**
Age Spectra in Upper North Atlantic Deep Water, 10°N - 30°S

9:30–9:45; EGU2008-A-02816; OS12-1WE1O-005
Steinfeldt, R.; Rhein, M.; Bullister, J.; Tanhua, T.
Inventory of anthropogenic carbon in the Atlantic

9:45–10:00; EGU2008-A-06685; OS12-1WE1O-006
Rödenbeck, C.; Le Quééré, C.; Cassar, N.; Tohjima, Y.; Heimann, M.; Keeling, R.
Estimating interannual variability of oceanic biogeochemistry from atmospheric O₂/N₂ and CO₂ measurements

10:00 END OF SESSION

IS48 - OS21/CL3/HS12.1/NH6.5 Observations and Causes of Sea Level Change: A Session to Mark the 75th Anniversary of the Permanent Service for Mean Sea Level (PSMSL) (co-organized by OS, CL, HS & NH)

Convener: Woodworth, P.
Co-Convener(s): Jevrejeva, S., Holgate, S.
Lecture Room 4
Chairperson: WOODWORTH, P.

10:30–10:45; EGU2008-A-02503; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-001
Woodworth, P.L.; Rickards, L.J.; Jevrejeva, S.; Holgate, S.J.; Bradshaw, E.; Tamisiea, M.
The Permanent Service for Mean Sea Level in its 75th Year

10:45–11:00; EGU2008-A-05879; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-002
Nerem, R. S.; Chambers, D. P.; Mitchum, G. T.; Willis, J.
What Have We Learned About Sea Level Change from Satellite Gravity and Altimeter Measurements?

11:00–11:15; EGU2008-A-04107; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-003
Proshutinsky, A.; Ashik, I.; Hakkinen, S.; Hunke, E.; Krishfield, R.; Maltrud, M.; Maslowski, W.; Zhang, J.
Sea level variability in the Arctic Ocean from observations and model results

11:15–11:30; EGU2008-A-01644; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-004
Gehrels, W.R.
Global acceleration of sea-level rise at the end of the 19th century

11:30–11:45; EGU2008-A-07204; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-005
Liebsch, G.; Blasi, C. J.
Capturing vertical land movement and sea level changes

11:45–12:00; EGU2008-A-07067; IS48 - OS21/CL3/HS12.1/NH6.5-1WE2O-006
Barbosa, S. M.
Examining trends in extreme sea-levels from long tide gauge records

12:00 LUNCH BREAK

Chairperson: HOLGATE, S.

13:30–13:45; EGU2008-A-11414; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-001
Willis, J.; Chambers, D.; Nerem, R.
Toward Closing the Globally Averaged Sea Level Budget on Seasonal to Interannual Time Scales (solicited)

13:45–14:00; EGU2008-A-01631; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-002
Dyurgerov, M.
Glacier volume change and contribution to sea level in the last 50 years; global reanalysis (solicited)

14:00–14:15; EGU2008-A-00549; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-003
Unnikrishnan, A.S.
Estimation of sea-level-rise trends in the north Indian Ocean coasts from tide gauge records and satellite altimetry

14:15–14:30; EGU2008-A-02433; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-004
Grinsted, A.; Moore, J.; Jevrejeva, S.
Observational evidence for volcanic impact on sea level and the global water cycle

14:30–14:45; EGU2008-A-08684; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-005
Yildiz, H.; Andersen, O.B.; Kilicoglu, A.; Simav, M.; Lenk, O.
Sea level variations in the Black Sea for 1993–2007 period from GRACE, altimetry and tide gauge data

14:45–15:00; EGU2008-A-10261; IS48 - OS21/CL3/HS12.1/NH6.5-1WE3O-006
Beckley, B.D.; Zelensky, N.P.; Lemoine, F.G.; Luthcke, S.B.; Ray, R.D.; Mitchum, G.T.; Jacob, S.D.; Pavlis, E.C.
Assessment of current estimates of global and regional mean sea level trends from TOPEX and Jason-1 altimetry based on revised reference frame and orbits

15:00 COFFEE BREAK

Chairperson: TAMISIEA, M.

15:30–15:45; EGU2008-A-00975; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-001
White, N.; Church, J.; Gregory, J.; Domingues, C.
Extracting optimum value from the PSMSL sea-level data: Combining tide gauge and satellite altimeter data (solicited)

15:45–16:00; EGU2008-A-00060; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-002
Marcos, M.; Tsimplis, M.N.
The forcing of coastal sea-level rise patterns in the North Atlantic and the Mediterranean Sea

16:00–16:15; EGU2008-A-00989; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-003
Hibbert, A.; Leach, H.; Woodworth, P.L.; Hughes, C.W.
High latitude atmosphere-ocean coupling in sea-level records

16:15–16:30; EGU2008-A-10103; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-004
Anzidei, M.; The Medchange team
Sea level changes and vertical land movements in the Mediterranean from paleo-historical indicators, modern instrumental data and model predictions

16:30–16:45; EGU2008-A-08013; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-005
Teferle, F.N.; Bingley, R.M.; Williams, S.D.; Bradley, S.; Milne, G.A.; Woodworth, P.; Shennan, I.
The Effect of Vertical Land Movement Data Sets on Estimates of Sea Level Rise around the UK

16:45–17:00; EGU2008-A-04385; IS48 - OS21/CL3/HS12.1/NH6.5-1WE4O-006
Chambers, D.; Nerem, R. S.; Willis, J.
The hunt for Ice-Melting Fingerprints in GRACE ocean data

17:00 COFFEE BREAK

Chairperson: JEVREJEVA, S.

17:30–17:45; EGU2008-A-00919; IS48 - OS21/CL3/HS12.1/NH6.5-1WE5O-001
Lowe, J. A.; Howard, T.; Horsburgh, K.
New projections of 21st century extreme sea levels around the United Kingdom coastline (solicited)

17:45–18:00; EGU2008-A-03055; IS48 - OS21/CL3/HS12.1/NH6.5-1WE5O-002
Zemp, M.; Armstrong, R.; Haeberli, W.; Hoelzle, M.; Käab, A.; Kargel, J.; Paul, F.; Raup, B.H.
International monitoring of glaciers and ice caps, and their contribution to present and potential sea level changes

- 18:00–18:15;** EGU2008-A-03655; IS48 -
OS21/CL3/HS12.1/NH6.5-1WE5O-003
Katsman, C. A.; Vermeersen, L. L.; Hazeleger, W.; Drijfhout, S. S.; van Oldenborgh, G. J.
The Importance of Ocean Dynamics and Gravity Changes Induced by Ice Melt for Regional Scenarios of Sea Level Rise
- 18:15–18:30;** EGU2008-A-05784; IS48 -
OS21/CL3/HS12.1/NH6.5-1WE5O-004
Watson, C
Data archaeology: sea level change at Macquarie Island since Mawson's 1912 expedition
- 18:30–18:45;** EGU2008-A-03409; IS48 -
OS21/CL3/HS12.1/NH6.5-1WE5O-005
Bingham, R.J.; Hughes, C.W.
The relationship between sea-level and bottom pressure variability in an eddy permitting ocean model
- 18:45–19:00;** EGU2008-A-10091; IS48 -
OS21/CL3/HS12.1/NH6.5-1WE5O-006
Letetrel, C.; Woppelmann, G.; Valladeau, G.; Lefevre, F.
An improved absolute calibration of satellite altimeters using a globally distributed network of gps-corrected tide gauges

19:00 END OF SESSION

Thursday

OS4 Oceanography of semi-enclosed seas and regions of restricted exchange (co-listed in BG) – Posters

- Convener: Shapiro, G.
Co-Convener(s): Papathanassiou, V.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.
- XY0486;** EGU2008-A-00408; OS4-1TH4P-0486
Falina, A.; Sarafanov, A.; Volkov, I.
Warm intrusions in the intermediate layer of the Black Sea eastern gyre interior
- XY0487;** EGU2008-A-01263; OS4-1TH4P-0487
Chubarenko, I.; Esiukova, E.; Hutter, K.
Littoral-pelagial water exchange due to differential coastal cooling
- XY0488;** EGU2008-A-01264; OS4-1TH4P-0488
Demchenko, N.; **Chubarenko, I.**
Thermal bar considered as the result of horizontal convection
- XY0489;** EGU2008-A-03379; OS4-1TH4P-0489
Suomi, I.; Andrejev, O.; Myrberg, K.
Parameterization of flow along sloping bottom in a hydrostatic z-coordinate model – Major Baltic Inflow 1993 as a test case (solicited)
- XY0490;** EGU2008-A-03510; OS4-1TH4P-0490
Sánchez-Román, A.; Sannino, G.; GOFIMA Group
Spatial distribution of tides in the Strait of Gibraltar
- XY0491;** EGU2008-A-03678; OS4-1TH4P-0491
Napolitano, E.; Iacono, R.; Carillo, A.; Sannino, G.; Artale, V.
Aspects of the mean winter and summer circulation of the Tyrrhenian Sea.

- XY0492;** EGU2008-A-03857; OS4-1TH4P-0492
Skliris, N.; Mantziafou, A.; Sofianos, S.; Lascaratos, A.; Keramitsoglou, I.; Vlahopoulos, G.; Cartalis, C.; Paraskevopoulou, V.; Scoullas, M.
A study of the plankton ecosystem of the Aegean Sea using Seawifs data and a 3D coupled hydrodynamic/biological model
- XY0493;** EGU2008-A-05988; OS4-1TH4P-0493
Staneva, J.
Instabilities and thermohaline stratification at tidal mixing front: A case study for the German Bight
- XY0494;** EGU2008-A-06093; OS4-1TH4P-0494
Sannino, G.; Pratt, L.; Carillo, A.
Theoretical and numerical modelling study of the exchange flow regimes in the strait of Gibraltar.
- XY0495;** EGU2008-A-06441; OS4-1TH4P-0495
Bardouki, H.; Mara, P.; **Avgoustidi, V.;** Psarra, S.; Tselepidis, A.; Michalopoulos, N.
The distribution of DeMethylated Sulphur Species (DMSSx) in the Eastern Mediterranean Sea: the Summer Paradox in the South Aegean Sea
- XY0496;** EGU2008-A-07600; OS4-1TH4P-0496
Kvaratskhelia, D.U.; **Demetrasvili, D.I.**
Numerical study of the turbulent characteristics of cyclonic and anticyclonic

- XY0497;** EGU2008-A-07979; OS4-1TH4P-0497
Hansson, D.; Gustafsson, E.
Stagnation periods in the Baltic Sea since 1500
- XY0498;** EGU2008-A-08018; OS4-1TH4P-0498
Golenko, M.; Golenko, N.
Observation and modeling of the space water structure in the South-East Baltic
- XY0499;** EGU2008-A-08211; OS4-1TH4P-0499
Iovino, D. ; Straneo, F.; Spall, M. A.
On the effect of a sill on dense water formation in a marginal sea
- XY0500;** EGU2008-A-08579; OS4-1TH4P-0500
Triantafyllou, G.; Petihakis, G.; Korres, G.; Tsiaras, K.; Pollani, A.; Banks, A.; Raitsos, D.
A coastal management tool using ecological modeling and data assimilation in a semi-enclosed gulf of Greece (solicited)
- XY0501;** EGU2008-A-10198; OS4-1TH4P-0501
Hernández-Arencibia, M. ; Marrero-Díaz, A.; Rodríguez-Santana, A.; Sangrà, P.; Gordo, C.
Laboratory simulations of the surface circulation patterns in the Bransfield Strait (Antarctica)

OS5 Operational Oceanography (co-listed in CL, GI & NP)

- Convener: Proctor, R.
Co-Convener(s): Rixen, M.
Lecture Room D
Chairperson: N.N.
- 8:30–8:45;** EGU2008-A-11608; OS5-1TH1O-001
Dombrowsky, E.; Hernandez, F.; Crosnier, L.; Ferry, N.; Lellouche, J.M.; Drevillon, M.; Testut, C.E.; Garric, G.; Greiner, E.; Benkiran, M.
The Mercator Océan ocean forecasting systems
- 8:45–9:00;** EGU2008-A-02793; OS5-1TH1O-002
Peggion, G.; Coelho, E.; Allard, R.; Rodriguez, E.
Real-time ocean predictions in support of naval operations

9:00–9:15; EGU2008-A-01213; OS5-1TH1O-003

Behrens, AB

Operational wave prediction of extreme storms in Northern Europe

9:15–9:30; EGU2008-A-06516; OS5-1TH1O-004

Zodiatis, G.; Hayes, D.; Lardner, R.; Georgiou, G.; Sofianos, S.; Skliris, N.; Lascaratos, A.

Evaluation of operational ocean forecasting in the Cyprus subregion

9:30–9:45; EGU2008-A-11692; OS5-1TH1O-005

Ramirez, R.; Morales, M.; Izurieta, I.; Saldana, S.; Veles, V; Mejia, M

Small scale operational oceanography in Zihuatanejo Bay, Mexico

9:45–10:00; EGU2008-A-07488; OS5-1TH1O-006

Sandven, S.; Johannessen, O. M.; **Bobylev, L.**; Dahlin, H. Arctic Regional Ocean Observing System

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-00985; OS5-1TH2O-001

Berutti, B; Frerick, J; **Klein, U**; Mavrocordatos, C; Nieke, J; Stroede, J

ESA's Operational Ocean Mission: The Sentinel 3 Payload

10:45–11:00; EGU2008-A-04392; OS5-1TH2O-002

Palazov, A.; Stefanov, A.; Bilashvili, K.; Stanchev, H.; Valcheva, N.

Building Black Sea VOS System

11:00–11:15; EGU2008-A-08709; OS5-1TH2O-003

Rayner, D; **Kanzow, T**; Cunningham, S; Bryden, H; Baringer, M; Johns, W; Marotzke, J; Hirschi, J; Beal, L; Meinen, C

An operational array for monitoring the Atlantic meridional overturning circulation at 26°N

11:15–11:30; EGU2008-A-09869; OS5-1TH2O-004

Cosoli, S; Bolzon, G; Mancero Mosquera, I

Near-real time surface currents monitoring in the Northern Adriatic Sea

11:30–11:45; EGU2008-A-10291; OS5-1TH2O-005

Kreus, M.; Callies, U.; Petersen, W.

Combining FerryBox data and Lagrangian transport modelling

11:45–12:00; EGU2008-A-12386; OS5-1TH2O-006

Barrera, C.; Rueda, M.J.; Llinas, O.

ACOMAR Network: Real-Time Coastal Waters Monitoring in Canary Islands

12:00 LUNCH BREAK

Chairperson: N.N.

13:30–13:45; EGU2008-A-09549; OS5-1TH3O-001

Dobrynin, M.; Wahle, K.; Stanev, E.

Satellite data assimilation into a suspended particulate matter transport model

13:45–14:00; EGU2008-A-07560; OS5-1TH3O-002

Barth, A.; Alvera-Azcarate, A.; Zheng, L.; Weisberg, R.H.

A Nested Model of the West Florida Shelf: Assimilation of High-Frequency Radar Currents and study of Loop Current generated flow

14:00–14:15; EGU2008-A-07902; OS5-1TH3O-003

Tornfeldt Sørensen, J. V.; Erichsen, A. C.; Hansen, L. B.; Kronborg, M.; Larsen, J.

Water forecasts, data assimilation and validation

14:15–14:30; EGU2008-A-09616; OS5-1TH3O-004

Hoffman, R.; Ponte, R.; Kostelich, E.; Blumberg, A.; Szunyogh, I.; Vinogradov, S.

Towards realistic data assimilation for the coastal ocean: Observing network sensitivity experiments in New York Harbor

14:30–14:45; EGU2008-A-07917; OS5-1TH3O-005

Onken, R.; Petersen, W.

Assimilation of FerryBox data in a circulation model of the North Sea

14:45–15:00; EGU2008-A-05078; OS5-1TH3O-006

Taillandier, V.; **Dobricic, S.**; Pinardi, N.

Assimilation of trajectories in an oceanographic 3D-VAR scheme

15:00 COFFEE BREAK

Chairperson: N.N.

17:30–17:45; EGU2008-A-12240; OS5-1TH5O-001

Andreu-Burillo, I.; Howarth, M.J.; **Proctor, R.**

Utilising the Liverpool Bay Coastal Observatory for uncertainty estimates

17:45–18:00; EGU2008-A-02294; OS5-1TH5O-002

Shriver, J.; Dykes, J.; Fabre, J.; Murphree, T.; Ford, B.; Chassignet, E.

Automation of operational ocean product metrics

18:00–18:15; EGU2008-A-11452; OS5-1TH5O-003

Müller, F.; Prenosil, Th.

Geographical Variation of the Predicted Forecast Skill

18:15–18:30; EGU2008-A-05185; OS5-1TH5O-004

Bonazzi, A.; Pinardi, N.; Milliff, R.F.; Wikle, C.K.; Berliner, L.M

Short-term ocean ensemble forecasting as derived by surface wind perturbations; method evaluation and seasonal cycle of the ocean forecast uncertainty.

18:30–18:45; EGU2008-A-09108; OS5-1TH5O-005

Lea, D.; Haines, K.; Martin, M.

Model and observation bias correction in altimeter ocean data assimilation in FOAM

18:45–19:00; EGU2008-A-02176; OS5-1TH5O-006

Rixen, M.; THE DART TEAM

Operational oceanography in the coastal region using multi-model super-ensembles

19:00 END OF SESSION

OS5 Operational Oceanography (co-listed in CL, GI & NP) – Posters

Convener: Proctor, R.

Co-Convener(s): Rixen, M.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 15:30–17:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0502; EGU2008-A-01462; OS5-1TH4P-0502

Meyers, G.; **Schulz, E.**

Introducing the Australian Integrated Marine Observing System (IMOS)

XY0503; EGU2008-A-01465; OS5-1TH4P-0503
Brassington, G.; Schulz, E.
BLUElink: Operational Oceanography in Australia

XY0504; EGU2008-A-01586; OS5-1TH4P-0504
Shojaee, K.; Hazrati, B.; Ardalan, A. A.
A comparison between the results of free span rectification and pipeline side scan sonar surveying to improve the post-lay surveying of a laid pipe Case study: Two Pipelines on South Pars Gas field Phases 9 & 10, Persian Gulf

XY0505; EGU2008-A-01587; OS5-1TH4P-0505
Shojaee, K.; Hazrati, B.; Ardalan, A. A.
An optimized observational network design for USBL calibration via geodetic network robustness analysis as an offshore standard method Case study: calibration of Simrad HPR USBL

XY0506; EGU2008-A-01589; OS5-1TH4P-0506
Hazrati, B.; Shojaee, K.; Ardalan, A. A.
Side scan sonar image enhancement using wavelet analysis Case study: EdgeTech FS4200 digital side scan sonar image

XY0507; EGU2008-A-04950; OS5-1TH4P-0507
Hazrati, B.; Shojaee, K.; Ardalan, A. A.
Feasibility study of real-time correction of geometric distortion in side scan sonar images; Case study: EdgeTech 4200FS side scan sonar image

XY0508; EGU2008-A-02719; OS5-1TH4P-0508
Wackernagel, H.; Bertino, L.; Craneguy, P.; Garreau, P.; Heyraud, C.
Characterizing discrepancies in SST representation between ocean model and remote sensing images by geostatistical means

XY0509; EGU2008-A-03811; OS5-1TH4P-0509
McLean, L.; King, B.
Determining ocean correlation scales using Argo float data

XY0510; EGU2008-A-03926; OS5-1TH4P-0510
Alvera-Azcarate, A.; Barth, A.; Beckers, J.-M.
Thermocline characterization on modeled and observed temperature profiles: a technique for model error evaluation

XY0511; EGU2008-A-06590; OS5-1TH4P-0511
Ruiz, S.; Pascual, A.; Garau, B.; Faugere, Y.; Vizoso, G.; Alvarez, A.; Tintoré, J.
Rapid environmental assessment of the Balearic front combining glider and altimetry data

Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 15:30–17:00

Poster Area Halls X/Y
Chairperson: N.N.

XY0512; EGU2008-A-08032; OS5-1TH4P-0512
Rupolo, V.; Pizzigalli, C.; Artale, V.
Interannual variability (2001-2007) of upwelling and of lagrangian transport at key points in the Mediterranean Sea using velocity fields from the MFS operational model.

XY0513; EGU2008-A-08000; OS5-1TH4P-0513
Leikvin, Ø.; Büchmann, B.; Hansen, C.
Implementation of a barotropic model of the northeastern Atlantic

XY0514; EGU2008-A-09543; OS5-1TH4P-0514
Madrigal, R.; Dentz, M.; Espino, M.; Jorda, G.
Lagrangian stochastic models for operational surface material transport estimation system: A first stage validation for turbulent transport with stochastic and real operational data

XY0515; EGU2008-A-03822; OS5-1TH4P-0515
Drillet, Y.; Le Galloudec, O.; Bourdallé-Badie, R.; Derval, C.; Testut, CE; Tranchant, B.
The Mercator Ocean global 1/12° operational system. Demonstration phase in the MERSEA context

XY0516; EGU2008-A-09770; OS5-1TH4P-0516
Lea, D.; Martin, M.; Storkey, D.; Hines, A.; Barciela, R.; Siddorn, J.
The FOAM ocean forecasting system: capabilities and developments

XY0517; EGU2008-A-09149; OS5-1TH4P-0517
Onken, R.; Tintore, J.; Vizoso, G.; Alvarez, A.
Presence and future of a coastal forecasting system in the Balearic Sea

OS7 High latitude changes in ocean, ice and climate (co-listed in CL & CR)

Convener: Döschner, R.
Co-Convener(s): Mauritzen, C., Schauer, U.
Lecture Room 4
Chairperson: N.N.

8:30–8:45; EGU2008-A-03271; OS7-1TH1O-001
Rabe, B.; Mackensen, A.; Schauer, U.; Beszczynska-Möller, A.; Hansen, E.
Freshwater components and transports in the FRAM Strait: Recent observations and changes since the late 1990s

8:45–9:00; EGU2008-A-00734; OS7-1TH1O-002
Jahn, A.; Tremblay, B.; Mysak, L. A.; Newton, R.
Effect of the large-scale atmospheric circulation on the Arctic Ocean freshwater and heat exchange

9:00–9:15; EGU2008-A-11479; OS7-1TH1O-003
Lee, C.M.; Petrie, B.; Gobat, J.I.; Curry, B.; Moritz, R.
Davis Strait Transport and Freshwater Fluxes

9:15–9:30; EGU2008-A-01795; OS7-1TH1O-004
Lique, C.; Treguier, A. M.; Scheinert, M.; Penduff, T.
Variability of the Arctic ocean freshwater content and exports: a model-based synthesis

9:30–9:45; EGU2008-A-02515; OS7-1TH1O-005
Schauer, U.; Rudels, B.; Kikuchi, T.; Pisarev, S.; Rabe, B.
The changing Arctic Ocean - observations during IPY

9:45–10:00; EGU2008-A-03474; OS7-1TH1O-006
Jungclaus, J.H.; Koenigk, T.; Block, K.
Arctic climate variations in 20th century simulations: contributions from atmospheric and oceanic heat transport variations

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-04042; OS7-1TH2O-001
Hakkinen, S.; Proshutinsky, A.; Ashik, I.
Long-term variability of sea ice drift in the Arctic Ocean

10:45–11:00; EGU2008-A-02983; OS7-1TH2O-002
Kikuchi, T.; Inoue, J.
Sea ice draft and ocean-to-ice heat flux in the central Arctic Ocean

11:00–11:15; EGU2008-A-04699; OS7-1TH2O-003
Koeberle, C.; Gerdes, R.; Hacker, F.
Analysis of 2007 sea ice conditions in a model simulation

11:15–11:30; EGU2008-A-09303; OS7-1TH2O-004
Kauker, F.; Kaminski, T.; Karcher, M.; Giering, R.; Gerdes, R.; Vossbeck, M.
Adjoint analysis of the summer 2007 low in Arctic sea-ice area

11:30–11:45; EGU2008-A-08885; OS7-1TH2O-005
Gascard, J.-C.; Le Goff, H.
Frazil ice formation in the Arctic Ocean observed during a transpolar drift in winter

11:45–12:00; EGU2008-A-07016; OS7-1TH2O-006
Döscher, R.; Wyser, K.; Meier, M.; Qian, M.; Broström, G.
Arctic Predictability and Sensitivity in a coupled numerical Model

12:00 LUNCH BREAK

Chairperson: N.N.

13:30–13:45; EGU2008-A-10695; OS7-1TH3O-001
Polyakov, I.; Timokhov, L.; Ivanov, V.; Dmitrenko, I.; Kirillov, S.
Recent changes in the Arctic Ocean: Effects of climate change and long-term variability

13:45–14:00; EGU2008-A-09919; OS7-1TH3O-002
Karcher, M.; Beszczynska, A.; Gerdes, R.; Kauker, F.; Heyen, S.
Arctic Ocean warming and its overflow reduction potential

14:00–14:15; EGU2008-A-08882; OS7-1TH3O-003
Björk, G.B.; Ericksson, P.; Nilsson, J.
The passage of Canadian Basin Deep Water over the Lomonosov Ridge and through the Eurasian Basin of the Arctic Ocean: Results from the LOMROG-2007 ice breaker expedition.

14:15–14:30; EGU2008-A-05209; OS7-1TH3O-004
Steig, E.J.; Schneider, D.P.; Rutherford, S.D.; Mann, M.E.; Comiso, J.C.; Shindell, D.T.
Significant warming of West Antarctica in the last 50 years

14:30–14:45; EGU2008-A-09455; OS7-1TH3O-005
Turner, J.
The role of anthropogenic forcing on the recent increase in Antarctic sea ice extent

14:45–15:00; EGU2008-A-11588; OS7-1TH3O-006
Ackley, S.; Lewis, M.; Weissling, B.; Wagner, P.
Sea ice mass balance in the Antarctic during austral spring

15:00 END OF SESSION

OS10 Variability in the Southern Ocean

Convener: Hellmer, H.
Co-Convener(s): PARK, Y.
Lecture Room 4
Chairperson: HELLMER, H. H.

15:30–15:45; EGU2008-A-01549; OS10-1TH4O-001
Vivier, F.; Iudicone, D.; Busdraghi, F.; Park, Y.-H.
Analysis of a decade SST anomalies in the Southern Ocean: role of surface fluxes, lateral advection, and vertical processes (solicited)

15:45–16:00; EGU2008-A-01803; OS10-1TH4O-002
Lettman, K.; Olbers, D.
Barotropic and baroclinic processes in the transport variability of the Antarctic Circumpolar Current

16:00–16:15; EGU2008-A-08724; OS10-1TH4O-003
Roquet, F.; Park, Y.-H.; Madec, G.
The Fawn Trough Current across the Kerguelen Plateau: a bottleneck for the Antarctic Circumpolar flow

16:15–16:30; EGU2008-A-04236; OS10-1TH4O-004
Charrassin, J.B.; Rintoul, S.R.; Roquet, F.; Hindell, M.; Sokolov, S.; Boehme, L.; Costa, D.; Timmerman, R.; Coleman, R.; Guinet, C.; the SEaOS Team
Elephant seals reveal Southern Ocean frontal structure and sea ice formation rates

16:30–16:45; EGU2008-A-09100; OS10-1TH4O-005
Le Sommer, J.; Barnier, B.; Penduff, T.
Interannual variability of the Zapiola gyre: a potential vorticity flux perspective

16:45–17:00; EGU2008-A-06706; OS10-1TH4O-006
Lee, J.H.; Hong, C.S.; **Park, Y.-H.;** Pang, I.C.
The variability of the volume transport across the Drake Passage

17:00 COFFEE BREAK

Chairperson: PARK, Y.-H.

17:30–17:45; EGU2008-A-10853; OS10-1TH5O-001
Quarty, G.D.; Gómez-Enri, J.; Navarro, G.
Linking surface and sub-surface variability in Drake Passage

17:45–18:00; EGU2008-A-00613; OS10-1TH5O-002
Santoso, A.; England, M. H.
Natural variability of Antarctic Bottom Water in a coupled climate model

18:00–18:15; EGU2008-A-01137; OS10-1TH5O-003
Hellmer, H. H.; Kauker, F.; Timmermann, R.
Circumpolar influence of Weddell Sea anomalies

18:15–18:30; EGU2008-A-06245; OS10-1TH5O-004
Nicholls, K.; Boehme, L.; Biuw, M.; Fedak, M.
Wintertime oceanographic data from the southern Weddell Sea using tagged Weddell seals

18:30–18:45; EGU2008-A-07103; OS10-1TH5O-005
Makinson, K.; Nicholls, K.W.; Abrahamsen, E.P.
Recent summertime observations of interannual variability near the Filchner Sill and adjacent continental shelf

18:45–19:00; EGU2008-A-01139; OS10-1TH5O-006
Lefebvre, W.; Goosse, H.
The changes in Southern Ocean stratification projected for the 21st century (solicited)

19:00 END OF SESSION

OS14 Temporal variability of ocean temperature (heat content) and salinity (freshwater content) – Posters

Convener: Levitus, S.
Co-Convener(s): Artale, V.; Rixen, M.
Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 15:30–17:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0518; EGU2008-A-05693; OS14-1TH4P-0518
Ciasto, L.M.; Thompson, D.W.
Reemergence of wintertime sea surface temperature anomalies in the extratropical South Pacific

XY0519; EGU2008-A-01261; OS14-1TH4P-0519

Sarafanov, A.; Sokov, A.

Recent changes in temperature and salinity of the subpolar North Atlantic intermediate and deep waters

XY0520; EGU2008-A-01821; OS14-1TH4P-0520

Dottori, M.; Clarke, A.J.

Rossby Waves, Evaporation and the Interannual and Decadal Variability of Salinity and Temperature off California.

XY0521; EGU2008-A-04086; OS14-1TH4P-0521

Font, J.; Puig, P.; Salat, J.; Palanques, A.; Emelianov, M.; Julià, A.

Permanent changes in Western Mediterranean Deep Water after 2005 revealed by time series

XY0522; EGU2008-A-06160; OS14-1TH4P-0522

Falck, E.; Budéus, G.; Kattner, G.; Jones, E.P.

Fresh water in the northern East Greenland Current from 1982 through 2005

XY0523; EGU2008-A-06882; OS14-1TH4P-0523

Samuel-Rhoads, Y.; Zodiatis, G.; Hayes, D.; Gertman, I.; Georgiou, G.

Sea surface temperature and salinity rise in the Eastern Mediterranean

XY0524; EGU2008-A-07375; OS14-1TH4P-0524

Ivchenko, V.O.; Danilov, S.; **Sidorenko, D.;** Schröter, J.; Wenzel, M.; Aleynik, D.L.

Steric height variability in the North Atlantic on seasonal and interannual scales

XY0525; EGU2008-A-08011; OS14-1TH4P-0525

von Schuckmann, K.; Gaillard, F.; Le Traon, P.-Y.

Global hydrographic overview of ocean variability

XY0526; EGU2008-A-08361; OS14-1TH4P-0526

Guemas, V.; Salas-Méla, D; Giordani, H; Voltaire, A; Kageyama, M

Temporal and spatial variability of the diurnal warming amplitude

XY0527; EGU2008-A-10342; OS14-1TH4P-0527

Cianca, A.; Pérez-Marrero, J.; Santana, R.; Rueda, M.J.; Llinás, O.

Modal composition of the NACW at the subtropical gyre. A comparative view from BATS and ESTOC

XY0528; EGU2008-A-11586; OS14-1TH4P-0528

de Boyer Montégut, C. ; Vialard, J.; Shankar, D.; Izumo, T.; Durand, F.; Shenoi, S.; Luo, J.-J.; Masson, S.; Yamagata, T. Mechanisms of interannual sst variability in the Somalia upwelling region

XY0529; EGU2008-A-12431; OS14-1TH4P-0529

Ortega, P.; Gonzalez-Rouco, J.F.; Montoya, M.; Beltrami, H. Forced and unforced variability of the ocean heat content in millennial simulations with the ECHO- g atmosphere-ocean General Circulation Model

IS48 - OS21/CL3/HS12.1/NH6.5 Observations and Causes of Sea Level Change: A Session to Mark the 75th Anniversary of the Permanent Service for Mean Sea Level (PSMSL) (co-organized by OS, CL, HS & NH) – Posters

Convener: Woodworth, P.

Co-Convener(s): Jevrejeva, S., Holgate, S.

Display Time: Thursday, 08:00–19:30

Authors in Attendance: Thursday, 08:30–10:00

Poster Area Halls X/Y

Chairperson: RICKARDS, L.

XY0530; EGU2008-A-02499; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0530

Woodworth, P.L.; Tinkler, K.

Mean high waters and extreme sea levels at Liverpool since 1768: the work of William Hutchinson 1716-1801

XY0531; EGU2008-A-07977; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0531

Gouriou, T.; Woppelmann, G.; Pouvreau, N.

Tide gauge records on the Charente-Maritime French Atlantic coast back to the middle of the 19th century

XY0532; EGU2008-A-10530; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0532

Wöppelmann, G.; Martín Míguez, B; Créach, R

Tide gauge records at Dakar, Senegal (Africa): towards a consistent sea-level time series spanning more than 100 years?

XY0533; EGU2008-A-03459; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0533

Bradshaw, E.; Gordon, K; Holgate, S; Jevrejeva, S; Rickards, L; Woodworth, P

PSMSL and GLOSS: The delayed-mode data centre

XY0534; EGU2008-A-06452; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0534

Aarup, T.; Bradshaw, E.; Rickards, L.

GLOSS and the PSMSL

XY0535; EGU2008-A-10268; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0535

Nikitin, O.; Zhukovskaya, A.

Database on coastal sea level observations for seas surrounding Russia

XY0536; EGU2008-A-00061; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0536

Marcos, M.; Tsimplis, M.N.; Somot, S.; Barnier, B.

The forcing of sea level in the Mediterranean Sea between 1960-2000

XY0537; EGU2008-A-01260; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0537

Metreveli, G.

The Black sea present eustasy, coastal zone vulnerability and basic information for adaptation projects

XY0538; EGU2008-A-03467; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0538

Holgate, S.; Roussenov, V; Williams, R; Hughes, C

What are the processes behind decadal scale sea level variability in the North Atlantic?

XY0539; EGU2008-A-06803; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0539

Jensen, J.; Wahl, T.; Frank, T.; Blasi, C.

AMSeL – Mean Sea Level and Tidal Analysis at the German North Sea Coastline

XY0540; EGU2008-A-06866; IS48 -

OS21/CL3/HS12.1/NH6.5-1TH1P-0540

Hughes, C. W.

Sea level variability in the Argentine Basin.

- XY0541;** EGU2008-A-07050; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0541
Barbosa, S. M.; Silva, M. E.
Sea-level variability in Chesapeake Bay: Nonlinear trends and changing seasonality
- XY0542;** EGU2008-A-08412; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0542
Yildiz, H.; Simav, M.; Sezen, E.; Cingoz, A.; Kilicoglu, A.
Sea level trends along the western coasts of anatolia from tide gauge, satellite altimetry, gps and levelling data
- XY0543;** EGU2008-A-09971; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0543
Martinez-Benjamin, J.J.; Martin Davila, J.; Garate, J.; Bonnefond, P.; Martinez Garcia, M.; Ortiz Castellon, M.A.; Talaya, J.; Rodriguez Velasco, G.; Perez, B.
Monitoring Sea Levelby Radar Tide Gauge and GPS in the North Western Mediterranean
- XY0544;** EGU2008-A-03668; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0544
Hünicke, B
Contribution of regional climate drivers on future sea-level changes in the Baltic Sea estimated by statistical methods and simulations of climate models
- XY0545;** EGU2008-A-10502; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0545
Becker, M; Jevrejeva, S; **Karpytchev, M**
The discrepancy between the sea level recorded at Brest and Newlyn analysed by the Singular Spectrum Analysis.
- XY0546;** EGU2008-A-10448; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0546
Becker, M; Karpytchev, M
Comparison of different methods for searching shifts in sea level records
- XY0547;** EGU2008-A-04348; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH1P-0547
Llovel, W.; Cazenave, A.; Lombard, A.; Ablain, M.; Dorandeu, J.; Ramillien, G.
Global mean sea level over 2002-2007 from tide gauges and altimetry, and ocean mass component from GRACE
- Display Time: Thursday, 08:00–19:30
Authors in Attendance: Thursday, 10:30–12:00
- Poster Area Halls X/Y
Chairperson: AARUP, T.
- XY0548;** EGU2008-A-02823; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0548
Calafat, F.M.; Gomis, D.; Marcos, M.; Pascual, A.; Ruiz, S.
Recovery of sea level fields of the last decades from altimetry and tide gauge data
- XY0549;** EGU2008-A-06896; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0549
Valladeau, V.; Ablain, A.; Lefevre, F.; Guinehut, G.; Cazenave, C; Lombard, L
Using in-situ measurements to assess the error on the global mean sea level trend
- XY0550;** EGU2008-A-06615; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0550
Ablain, M.; Philipps, S.; Dorandeu, J.; Cazenave, A.; Lombard, A.
Estimating the errors in global and regional mean sea level trends from Jason-1 and T/P altimetry
- XY0551;** EGU2008-A-06354; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0551
Llovel, W. ; Cazenave, A.; Berge-NGuyen, M.; Lombard, A.; Rogel, P.
Past sea level reconstruction based on tide gauges and spatial patterns of OGCMs with assimilation
- XY0552;** EGU2008-A-03963; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0552
Wenzel, M.; **Schröter, J.**
Combined Assimilation of GEOSAT, TOPEX/Poseidon and tide gauge reconstruction data into a global OGCM
- XY0553;** EGU2008-A-02851; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0553
Jevrejeva, S.; Grinsted, A.; Moore, J.; Holgate, S.
Global sea level reconstruction 1807-2002
- XY0554;** EGU2008-A-02559; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0554
Moore, J.C.; Grinsted, A.; Jevrejeva, S.
Reconstructing sea level from paleo and projected temperatures 100 to 2100AD
- XY0555;** EGU2008-A-02547; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0555
Jevrejeva, S.; **Moore, J.C.;** Grinsted, A.
Relative importance of mass and volume changes to global sea level rise
- XY0556;** EGU2008-A-09017; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0556
Morales Maqueda, M. A.; **Jevrejeva, S.**
The impact of volcanic eruptions on global sea level: a conceptual model
- XY0557;** EGU2008-A-10008; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0557
Tamisiea, M. E.; Hill, E. M.; Ponte, R. M.; Davis, J. L.
The impact of the annual hydrological cycle on tide gauge data
- XY0558;** EGU2008-A-06313; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0558
Schmith, T.; Johansen, S.; Thejll, P.
Statistical analysis of global surface temperature and sea level using nonstationary methods: Evidence for multi-decadal internal variability?
- XY0559;** EGU2008-A-01900; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0559
Petrie, E.; King, M.; Moore, P.
Sea Level Change using Vertical Land Motion from GNSS: Higher-Order Ionospheric Effects
- XY0560;** EGU2008-A-07948; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0560
Teferle, F. N.; Bingley, R. M.; Williams, S. D.
Geodetic Monitoring of UK Tide Gauges in the Permanent Service for Mean Sea Level Revised Local Reference Data Base
- XY0561;** EGU2008-A-08878; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0561
Furlani, S.; The Sea Level Change Team
Record of the Holocene relative sea level change along the Italian coastline and comparison with some instrumental data
- XY0562;** EGU2008-A-01212; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0562
Plater, A.; Kirby, J; Mills, H
Assessing the use of metal pollution trends in saltmarsh sediments from the Mersey Estuary, UK, to provide chronological data for recent sea-level reconstructions.
- XY0563;** EGU2008-A-01005; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0563
GOMIS, D.; The VANIMEDAT TEAM
The VANIMEDAT project: decadal and interdecadal sea-level variability in the Mediterranean Sea and the Northeastern sector of the Atlantic Ocean
- XY0564;** EGU2008-A-03599; IS48 -
OS21/CL3/HS12.1/NH6.5-1TH2P-0564
Blasi, C. J.
Measuring the Sea State and Waves by Radar Gauges

Friday

OS4 Oceanography of semi-enclosed seas and regions of restricted exchange (co-listed in BG)

Convener: Shapiro, G.
Co-Convener(s): Papathanassiou, V.
Lecture Room D
Chairperson: SHAPIRO, G.

8:30–8:45; EGU2008-A-01262; OS4-1FR1O-001
Chubarenko, I.
Baltic Sea cold intermediate layer: contribution of horizontal and intra-layer convection

8:45–9:00; EGU2008-A-03148; OS4-1FR1O-002
Gustafsson, E.; Omstedt, A.
Sensitivity of Baltic Sea deep water salinity and oxygen concentration to variations in physical forcing

9:00–9:15; EGU2008-A-07250; OS4-1FR1O-003
Golenko, N.; Melnikov, V.
Time-space scales of hydrophysical variability in the Baltic and Black seas (solicited)

9:15–9:30; EGU2008-A-01682; OS4-1FR1O-004
Adani, M.; Dobricic, S.; Pinardi, N.
Multi-decadal re-analysis for the Mediterranean Sea: methods and quality assessment

9:30–10:00; EGU2008-A-10552; OS4-1FR1O-005
Triantafyllou, G.; Tsiaras, K.; Korres, G.; Petihakis, G.; Kourafalou, V.; Raitos, D.; Pollani, A.
Ecosystem modeling of the Mediterranean Sea. A study of the variability of N. Aegean using a very high resolution ecosystem model (solicited)

10:00 COFFEE BREAK

Chairperson: PAPATHANASSIOU, E.

10:30–10:45; EGU2008-A-08204; OS4-1FR2O-001
Supic, N.; Paschini, E.; Precali, R.; Russo, A.; Vilibic, I.
Two aspects of winter hydrographic conditions in the northern Adriatic

10:45–11:00; EGU2008-A-03798; OS4-1FR2O-002
Skirris, N.; Beckers, J.-M.
Modelling the Gibraltar Strait/West Alboran Sea ecohydrodynamics

11:00–11:15; EGU2008-A-07711; OS4-1FR2O-003
Politikos, D.; Triantafyllou, G.; Megrey, B.; Ito, S.I.; Petihakis, G.; Somarakis, S.; Tzanetis, D.; Tsiaras, K.; Machias, A.
Linking a lower trophic ecosystem model with a bioenergetics model for European anchovy

11:15–11:30; EGU2008-A-08382; OS4-1FR2O-004
Malacic, V.; Petelin, B.
Climatic circulation of the Adriatic Sea modulated with tides

11:30–11:45; EGU2008-A-00996; OS4-1FR2O-005
Shapiro, G.I.; Aleynik, D.L.; Mee, L.D.
Long term trend in the sea surface temperature of the Black Sea

11:45–12:00; EGU2008-A-05239; OS4-1FR2O-006
Karageorgis, A.P.; Georgopoulos, D.
Hydrological Characteristics and Particulate Matter Dynamics in the NW Black Sea during October 2007

12:00 LUNCH BREAK

Lecture Room 2
Chairperson: SHAPIRO, G

13:30–13:45; EGU2008-A-06328; OS4-1FR3O-001
Grayek, S.; Stanev, E. V.
Modelling of Black Sea basic dynamics during 2002–2006

13:45–14:00; EGU2008-A-06595; OS4-1FR3O-002
Demetrashvili, D. I.; Kordzadze, A. A.
Dynamical processes in the Black Sea. Simulation and forecast.

14:00–14:15; EGU2008-A-04990; OS4-1FR3O-003
Knysh, V.V.; Ibrayev, R.A.; Ozsoy, E.; Inyushina, N.V.; Korotaev, G.K.
Seasonal Variability of the Caspian Sea Circulation (solicited)

14:15–14:30; EGU2008-A-03608; OS4-1FR3O-004
Al-Azri, A.; Al-Hashmi, K.; Sarma, Y.; Al-Habsi, H.; Al-Khusaibi, S.
The occurrence of potentially harmful algal blooms (HAB's) in the Gulf of Oman in relation to environmental changes.

14:30–14:45; EGU2008-A-04019; OS4-1FR3O-005
Warn-Varnas, A.; Chin-Bing, S.; King, D.; Hawkins, J.; Lamb, K.; Piacsek, S.
Ocean-acoustic studies of shoaling solitary waves in South China Sea.

14:45–15:00; EGU2008-A-01767; OS4-1FR3O-006
Park, M.; Kang, S.; Lantoine, F.; Chang, K.; Ishizaka, J.
Characteristics of phytoplankton community in East China Sea in spring and autumn in 2004

15:00 END OF SESSION

OS7 High latitude changes in ocean, ice and climate (co-listed in CL & CR) – Posters

Convener: Döschner, R.
Co-Convener(s): Mauritzen, C., Schauer, U.
Display Time: Friday, 08:00–19:30

Authors in Attendance: Friday, 08:30–10:00
Poster Area Halls X/Y
Chairperson: N.N.

XY0491; EGU2008-A-00664; OS7-1FR1P-0491
Pnyushkov, A.; Korablev, A.
Seasonal and interannual changes in the Nordic Seas

XY0492; EGU2008-A-01843; OS7-1FR1P-0492
Wu, J.
t of iron in the coastal waters of the NorthSources and transporen Gulf of Alaska

XY0493; EGU2008-A-08155; OS7-1FR1P-0493
Jutterström, S.; Hjalmarsson, S.; Anderson, L. G.; Olsson, A.
A comparison of anthropogenic carbon during the LOM-ROG 07 and IAOE 91cruises in the Arctic Ocean

XY0494; EGU2008-A-10604; OS7-1FR1P-0494
Rodrigues, J.
The increase of the length of the ice-free season in the Arctic

XY0495; EGU2008-A-11525; OS7-1FR1P-0495
McLaughlin, F.; Yamamoto-Kawai, M.; Carmack, E.; Shimada, K.; Proshutinsky, A.
The Hydrography of the Canada Basin: 2002–2007

XY0496; EGU2008-A-09831; OS7-1FR1P-0496
Germe, A.; Houssais, M.-N.; Herbaut, C.
Forcing impacts on the convection variability in the Greenland Sea

Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 10:30–12:00

Poster Area Halls X/Y
Chairperson: N.N.

XY0497; EGU2008-A-07285; OS7-1FR2P-0497

Borenäs, K.; Björk, G.

A column model for the Arctic Ocean ice cover

XY0498; EGU2008-A-08237; OS7-1FR2P-0498

Marnela, M.; Rudels, B.; Beszczynska-Möller, A.; Eriksen, P.

Evaluation of properties and transports of water north of the Fram Strait derived from CTD data

XY0499; EGU2008-A-10015; OS7-1FR2P-0499

Abrahamsen, E. P.; Meredith, M. P.; Leng, M. J.; Falkner, K. K.; Alkire, M. P.

Freshwater composition of the Laptev Sea continental shelf

XY0500; EGU2008-A-02742; OS7-1FR2P-0500

Korablev, A.; Johannessen, O.M.; Pnyushkov, A.; Smirnov, A.; Khayretdinova, L.

Detection of the climatic signals propagated across Nolso-Flugga line by means of objective and cluster analysis

XY0501; EGU2008-A-01442; OS7-1FR2P-0501

Joyce, T.; Proshutinsky, A.

Greenland's Island Rule and the Arctic Ocean Circulation (cancelled)

XY0502; EGU2008-A-11611; OS7-1FR2P-0502

Hobbs, W.

Southern Hemisphere zonal waves and Antarctic Peninsula temperature trends

XY0503; EGU2008-A-03302; OS7-1FR2P-0503

Rabe, B.; Schauer, U.; Pisarev, S

Simultaneous observations of velocity, temperature and salinity in the central Arctic

XY0504; EGU2008-A-08602; OS7-1FR2P-0504

Jessen, S.P.; Rasmussen, T.L.

Millennial scale climate change during Marine Isotope Stage (MIS) 3 and 2 - Preliminary results from the West Svalbard Slope

XY0505; EGU2008-A-03640; OS7-1FR2P-0505

Alekseev, G.; Pnyushkov, A.; Golovin, P.; Ivanov, N.

Recent climatic changes in the marine Arctic

XY0506; EGU2008-A-02009; OS7-1FR2P-0506

Popov, A.; Rubchenia, A.

Flaw polynyas as a source of long-distance connections in climate system

XY0507; EGU2008-A-02213; OS7-1FR2P-0507

Mathiot, P.; Jourdain, N.; Barnier, B.; Gallée, H.

Sensitivity of a model of the Ross Ice Shelf Polynya to different atmospheric forcing sets

XY0508; EGU2008-A-03863; OS7-1FR2P-0508

Kuhlbrodt, T.

How do coupled GCMs perform in representing wind-driven upwelling in the Southern Ocean?

XY0509; EGU2008-A-11599; OS7-1FR2P-0509

Raphael, M.; Wainer, I.; Deser, C.

The influence of Antarctic sea ice extremes on large scale atmospheric variability in the Southern Hemisphere (cancelled)

XY0510; EGU2008-A-01419; OS7-1FR2P-0510

Goosse, H.; Lefebvre, W.; de Montety, A.; Orsi, A.

Variability of the Southern Ocean ice extent and water masses characteristics during the last 100 years in a climate model using data assimilation.

XY0511; EGU2008-A-11475; OS7-1FR2P-0511

Cuna, S.; Negoita, T. Gh; Berdea, P.; Balas, G.

Stable isotope study in East Antarctica

OS8 The fate of the Arctic sea ice in changing climate: implication from observations and modeling (co-listed in CL, CR & NH)

Convener: Alekseev, G.

Co-Convener(s): Johannessen, O., Bobylev, L.

Lecture Room 4

Chairperson: N.N.

15:30–15:45; EGU2008-A-04543; OS8-1FR4O-001

Kattsov, V.

Arctic sea ice in CMIP3 projections (solicited)

15:45–16:00; EGU2008-A-11542; OS8-1FR4O-002

Hibler, W. D.; Hutchings, J.; Vavrus, S.

A two hundred year simulation of sea-ice from Pre-Industrial to Present

16:00–16:15; EGU2008-A-05547; OS8-1FR4O-003

Yakovlev, N.

Arctic sea ice in 1948-2002 as derived by the coupled ice-ocean model FEMAO

16:15–16:30; EGU2008-A-02862; OS8-1FR4O-004

Gerdes, R.; Koeberle, C.; Hacker, F.; Karcher, M.; Kauker, F.

Comparison of Arctic sea ice variability in IPCC climate experiments and in ocean-sea ice models (solicited)

16:30–16:45; EGU2008-A-03437; OS8-1FR4O-005

Bobylev, L.; Kuzmina, S.; Shalina, E.; Johannessen, O.M.; Pettersson, L.

Climate changes in the Arctic in the 20th and 21st centuries from observations and modeling and their impact on the navigation at the Northern Sea Route

16:45–17:00; EGU2008-A-00967; OS8-1FR4O-006

Johannessen, O.M.; Bethke, I.; Myrmehl, C.

Decreasing arctic sea ice mirrors increasing greenhouse gases

17:00 END OF SESSION

OS8 The fate of the Arctic sea ice in changing climate: implication from observations and modeling (co-listed in CL, CR & NH) – Posters

Convener: Alekseev, G.

Co-Convener(s): Johannessen, O., Bobylev, L.

Display Time: Friday, 08:00–19:30

Authors in Attendance: Friday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0512; EGU2008-A-01421; OS8-1FR2P-0512

Goosse, H.; Driesschaert, E.; **Fichefet, T.;** Loutre, M.F.

Information on the early Holocene climate constrains the summer sea ice projections for the 21st century

XY0513; EGU2008-A-08198; OS8-1FR2P-0513

Dubois, C.; Salas Melia, D.

Abrupt depletion of sea-ice in the Arctic over the 21st century

XY0514; EGU2008-A-02338; OS8-1FR2P-0514

Wu, B.; Johnson, Mark

Distinct modes of winter arctic sea ice motion

XY0515; EGU2008-A-04948; OS8-1FR2P-0515
Makshatas, A.; Ryabchenko, V.; Shutilin, S.; Alexeev, G.
Comparison of sea ice projections from GSM and ice-ocean models

XY0516; EGU2008-A-03566; OS8-1FR2P-0516
Alekseev, G.; Danilov, A.; Kattsov, V.; S. Kuzmina, S.
Interrelated changes of the Arctic sea ice and surface air temperature from observations and modeling

XY0517; EGU2008-A-03593; OS8-1FR2P-0517
Alekseev, G.; Frolov, S.; Fedyaev, V.; Tretyakov, V.
Changes of ice thickness in the Arctic Ocean from shipboard observations during 1977-2007

XY0518; EGU2008-A-08101; OS8-1FR2P-0518
Khon, V.Ch.; Mokhov, I.I.
Estimates of perspectives of Northern Sea Route in the 21st century from model simulations

XY0519; EGU2008-A-08520; OS8-1FR2P-0519
Mahoney, A.; Barry, R.; **Smolyanitsky, V.;** Fetterer, F.
20th century sea ice variability in the Russian Arctic

OS10 Variability in the Southern Ocean – Posters

Convener: Hellmer, H.
Co-Convener(s): PARK, Y.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 08:30–10:00
Poster Area Halls X/Y
Chairperson: VIVIER, F.

XY0520; EGU2008-A-05752; OS10-1FR1P-0520
Hogg, A.; Meredith, M.; Blundell, J.; Wilson, C.
Eddy heat flux in the Southern Ocean: Response to variable wind forcing

XY0521; EGU2008-A-00840; OS10-1FR1P-0521
Jardon, F.; Piola, A.
Evidence for a cross shelf flux in the Southwestern Atlantic Ocean

XY0522; EGU2008-A-01554; OS10-1FR1P-0522
Weijer, W.; Gille, S. T.
Normal Modes of the Australia-Antarctic Basin

XY0523; EGU2008-A-05273; OS10-1FR1P-0523
Berezutskii, A.V.; Sklyarov, V.E.
Volume sound scattering in the Pacific Sector of the Antarctic

XY0524; EGU2008-A-01009; OS10-1FR1P-0524
Gomis, D.; THE ESASSI TEAM
The ESASSI-08 cruise in the South Scotia Ridge region: preliminary analysis of hydrodynamic and biogeochemical data

XY0525; EGU2008-A-00184; OS10-1FR1P-0525
Wilchinsky, A.; Feltham, D.
Generation of a dense coastal current by an Antarctic polynya

XY0526; EGU2008-A-08563; OS10-1FR1P-0526
Shoosmith, D. R.; Jenkins, A.; Jacobs, S. S.
Variability of ocean heat transport and implications for melting beneath Dotson Ice Shelf, West Antarctica

XY0527; EGU2008-A-09763; OS10-1FR1P-0527
Abrahamsen, E. P.; Nicholls, K. W.; Østerhus, S.
Circulation beneath Fimbul Ice Shelf investigated using an AUV and numerical model

XY0528; EGU2008-A-08701; OS10-1FR1P-0528
Lancelot, C.; de Montety, A.; Goosse, H.; Becquevort, S.; Schoemann, V.
Processes governing the supply of iron to phytoplankton in the Southern Ocean: a model study

XY0529; EGU2008-A-01329; OS10-1FR1P-0529
La Ferla, R.; Azzaro, F.; Azzaro, M.; Maimone, G.; Monticelli, L.S.
Variability of the microbial biomass and activity in the Ross Sea (Antarctica) and its implication on ecosystem carbon cycle

OS14 Temporal variability of ocean temperature (heat content) and salinity (freshwater content)

Convener: Levitus, S.
Co-Convener(s): Artale, V., Rixen, M.
Lecture Room 4
Chairperson: N.N.

8:30–8:45; EGU2008-A-11464; OS14-1FR1O-001
Willis, J
A new estimate of interannual variability in upper ocean heat content in light of recently discovered in situ data biases (solicited)

8:45–9:00; EGU2008-A-01960; OS14-1FR1O-002
Domingues, C.; Church, J.; White, N.; Gleckler, P.; Wijffels, S.; Barker, P.; Dunn, J.
Improved ocean-warming estimates: implications for climate models and sea-level rise (solicited)

9:00–9:15; EGU2008-A-02297; OS14-1FR1O-003
Levitus, S.; Antonov, J.; Boyer, T.; Locarnini, R.; Garcia, H.; Mishonov, A.
Warming of the World Ocean, 1955-2007

9:15–9:30; EGU2008-A-11775; OS14-1FR1O-004
Carton, J.; Santerelli, A.; Chepurin, G.
Global ocean heat content in nine ocean reanalyses

9:30–9:45; EGU2008-A-03764; OS14-1FR1O-005
Dhoms, A.-L.; Guinehut, S.; Larnicol, G.; Rio, M.-H.; Le Traon, P.-Y.
Global Comparison of Argo dynamic height with Altimeter sea level anomalies

9:45–10:00; EGU2008-A-03303; OS14-1FR1O-006
Katsman, C. A.
On the Thermosteric “Sea Level Sensitivity” of Climate Models: Does it Match the Observations?

10:00 COFFEE BREAK

Chairperson: N.N.

10:30–10:45; EGU2008-A-02549; OS14-1FR2O-001
Wells, N.; Ivchenko, V.; Aleynik, D.
Heat and salinity content in the North Atlantic from 1999-2007

10:45–11:00; EGU2008-A-09527; OS14-1FR2O-002
Scheinert, M.; Böning, C.; Biastoch, A.
Mechanisms of changes in the subpolar freshwater budget: model results

11:00–11:15; EGU2008-A-07430; OS14-1FR2O-003
Meyer, E.; Pohlmann, T.; Weisse, R.; von Storch, H.
North Sea climate from 1948 - 2006

11:15–11:30; EGU2008-A-06128; OS14-1FR2O-004
Cardin, V.; **Gacic, M.**; Civitarese, G.; Ibello, V.
Decadal variations of thermohaline and biochemical properties of the Adriatic Sea and Eastern Mediterranean Transient (EMT)

11:30–11:45; EGU2008-A-03012; OS14-1FR2O-005
Sannino, G.; Sánchez-Román, A.; Carillo, A.; García-Lafuente, J.; Artale, V.; Criado-Aldeanueva, F.
Mediterranean outflow at the western end of the strait of Gibraltar: a combined experimental and numerical modelling study

11:45–12:00; EGU2008-A-03712; OS14-1FR2O-006
Juza, M.; Penduff, T.; Barnier, B.
Regional accuracy of global ARGO-based monthly mixed layer property estimates: depth, temperature and salinity.

12:00 END OF SESSION

IS45 - OS16/SM22 Seismic Oceanography: Contributions of Seismic Imaging to Physical Oceanography (co-organized by OS & SM; co-listed in GMPV)

Convener: Holbrook, W.
Co-Convener(s): Gostiaux, L.
Lecture Room D
Chairperson: GOSTIAUX, L.

13:30–13:45; EGU2008-A-05798; IS45 - OS16/SM22-1FR3O-001
Holbrook, W.S.; Fer, I.; Schmitt, R.W.; Klymak, J.
Seismic Oceanography on its Fifth Birthday: Successes, Challenges and Future Directions (solicited)

13:45–14:00; EGU2008-A-04742; IS45 - OS16/SM22-1FR3O-002
Mirshak, R.; Nedimovic, M.R.; Greenan, B.W.; Loudon, K.E.; Ruddick, B.R.; Shimeld, J.W.
ROSE: Coincident seismic and hydrographic survey of the Gulf Stream and Slope waters southeast of Nova Scotia (solicited)

14:00–14:15; EGU2008-A-03187; IS45 - OS16/SM22-1FR3O-003
Jones, S.; Hardy, R.; Hardy, D.; Hobbs, R.; Hill, B.
Measuring oceanic internal waves in Rockall Trough (NE Atlantic) using seismic reflection data

14:15–14:30; EGU2008-A-06775; IS45 - OS16/SM22-1FR3O-004
Hobbs, R.W.; The GO Project Partners
The GO Project (solicited)

14:30–14:45; EGU2008-A-06177; IS45 - OS16/SM22-1FR3O-005
Krahmann, G.; Gutscher, M.; Quentel, E.; Hobbs, R.
Observations of a meddy with seismic and physical oceanography methods

14:45–15:00; EGU2008-A-03530; IS45 - OS16/SM22-1FR3O-006
Huthnance, J.; Alvarado, R.; Ambar, I.; Hobbs, R.; Krahmann, G.; Quentel, E.; Silva, P.
Gulf of Cadiz oceanography for comparison with seismic imaging

15:00 END OF SESSION

IS45 - OS16/SM22 Seismic Oceanography: Contributions of Seismic Imaging to Physical Oceanography (co-organized by OS & SM; co-listed in GMPV) – Posters

Convener: Holbrook, W.
Co-Convener(s): Gostiaux, L.
Display Time: Friday, 08:00–19:30
Authors in Attendance: Friday, 10:30–12:00
Poster Area Halls X/Y
Chairperson: HOLBROOK, W.

XY0530; EGU2008-A-04739; IS45 - OS16/SM22-1FR2P-0530
Mirshak, R.; Nedimovic, M.R.; Greenan, B.W.; Loudon, K.E.; Ruddick, B.R.; Shimeld, J.W.
Comparison field and synthetic seismic reflection images of Gulf Stream and Slope waters southeast of Nova Scotia

XY0531; EGU2008-A-01032; IS45 - OS16/SM22-1FR2P-0531
Uenzelmann-Neben, G.; Klaeschen, D.; Krahmann, G.; Reston, T.; Visbek, M.
Seismic reflections within the water column south of South Africa: indications for the Agulhas Retroreflection

XY0532; EGU2008-A-06003; IS45 - OS16/SM22-1FR2P-0532
Tsuji, T.; Nakamura, Y.; Noguchi, T.; Niino, H.; Itoh, S.; Chuda, T.; Matsuoka, T.
Finestructures in the Kuroshio Current using seismic reflection data

XY0533; EGU2008-A-09796; IS45 - OS16/SM22-1FR2P-0533
Jones, S. M.; Hardy, R.; **Hardy, D.**
Automated processing strategies for rapid generation of calibrated images of water-layer reflectivity.

XY0534; EGU2008-A-06832; IS45 - OS16/SM22-1FR2P-0534
Papenberg, C.; The GO Project Partners
The GO Project Cruise Seismic Data

XY0535; EGU2008-A-01214; IS45 - OS16/SM22-1FR2P-0535
Vsemirnova, E.; Hobbs, R.
Seismic imaging of water mixing around a large eddy current in the Gulf of Cadiz

XY0536; EGU2008-A-08088; IS45 - OS16/SM22-1FR2P-0536
Quentel, E.; Gutscher, M.A.; Carton, X.; Hobbs, R.; Vsemirnova, E.; Klingelhoefer, F.
Mesoscale structures in Mediterranean Outflow Water in the Gulf of Cadiz: analysis of legacy oceanographic and marine seismic data

XY0537; EGU2008-A-09153; IS45 - OS16/SM22-1FR2P-0537
Quentel, E.; Gutscher, M.A.; Carton, X.; Hobbs, R.; Geli, L.; Cosquer, E.; Hua, L.; Vsemirnova, E.
Correlating structures in seismic reflection data and mesoscale to fine-scale oceanographic structures related to the Mediterranean Outflow Water: a preliminary analysis of joint data acquired during the GO cruise

XY0538; EGU2008-A-02240; IS45 - OS16/SM22-1FR2P-0538
Biescas, B.; Sallarès, V.; Pelegrí, J.L.; Machín, F.; Carbonell, R.; Buffett, G.; Dañobeitia, J.J.
Seismic imaging of meddy finestructure

XY0539; EGU2008-A-07397; IS45 - OS16/SM22-1FR2P-0539
Buffett, G.; Biescas, B.; Sallàres, V.; Carbonell, R.; Peligrí, J.
evidence of mixing and entrainment in the mediterranean undercurrent from seismic reflection profiling

XY0540; EGU2008-A-01634; IS45 - OS16/SM22-1FR2P-0540

Serra, N.; Sallarés, V.; Biescas, B.; Ambar, I.; Buffet, G.; Carbonell, R.

Comparisons between oceanographic models and seismic observations of the Mediterranean Water Undercurrent and Meddies

XY0541; EGU2008-A-05539; IS45 - OS16/SM22-1FR2P-0541

Klaeschen, D.; **Papenberg, C.;** Krahmann, G.; Hobbs, R.

Vertical seismic profiling (VSP) in seismic oceanography - a proof of concept

XY0542; EGU2008-A-06605; IS45 - OS16/SM22-1FR2P-0542

Kormann, J.; Cobo, P.; Biescas, B.; Sallares, V.; Carbonell, R.; Gràcia, E.

A new 2D, finite differences wave propagation algorithm for seismic oceanography: comparison between modelled and measured shot gathers

XY0543; EGU2008-A-02655; IS45 - OS16/SM22-1FR2P-0543

Sallares, V.; Biescas, B.; Buffett, G.; Carbonell, R.; Dañobeitia, J.J.; Hobbs, R.

Potential and limits of multichannel seismics to image the oceans' finestructure

XY0544; EGU2008-A-11998; IS45 - OS16/SM22-1FR2P-0544

Gostiaux, L.; van Haren, H.; de Haas, H.

Seismic oceanography using small-size seismic equipment.

IS47 - OS20/BG1.6/CL46/GMPV38/TS22 EuroFORUM 2008 - European Collaboration for Implementation of Marine Research on Cores (EuroMARC) (co-organized by OS, BG, CL, GMPV & TS)

Convener: Camoin, G.

Co-Convener(s): HAUGLUSTAINE, D.

Lecture Room 4

Chairperson: CAMOIN G., HAUGLUSTAINE D.

13:30–13:45; EGU2008-A-07539; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-001

Wheeler, A.J.; Freiwald, A.; Hebbeln, D.; Swennen, R.; van Weering, T.C.E.; de Haas, H.; Dorschel, B.

CARBONATE: Deep-sea drilling cold-water coral carbonate mounds – stage 1: mound distributions and drill target selection

13:45–14:00; EGU2008-A-06682; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-002

van Weering, T.C.E.; de Haas, H.; Gorban, A.; Tokarev, M.; Mienis, F.

Mud mounds, Carbonates and Methane in the Pen Duick area, El Arraiche mud volcano field, Gulf of Cadiz, NE Atlantic.

14:00–14:15; EGU2008-A-03445; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-003

Seard, C.; Camoin, G.; Lapointe, P.; Lasnel, R.; Yokoyama, Y.; Matsuzaki, H.

Anatomy of post-glacial reefs at Tahiti : I.O.D.P. #310 expedition “ Tahiti sea level ”

14:15–14:30; EGU2008-A-05092; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-004

Felis, T.; Asami, R.; Bard, E.; Cahyarini, S.Y.; Deschamps, P.; Durand, N.; Hathorne, E.; Kölling, M.; Pfeiffer, M.

Pronounced interannual variability in South Pacific temperatures during the early deglacial – coral-based results from IODP Expedition 310

14:30–14:45; EGU2008-A-12379; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-005

Dokken, T.; Mulitza, S.; Peeters, F.; Skinner, L.; Waelbroeck, C.; Arz, H.; Barbosa, C.F.

Response of tropical Atlantic surface and intermediate waters to changes in the Atlantic meridional overturning circulation – RETRO

14:45–15:00; EGU2008-A-12258; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR30-006

Pedersen, R.B.; Barriga, F.; Escartin, J.; Früh-Green, G.; MacLeod, C.; Mjelde, R.; Thorseth, I.

Ultra-slow spreading and hydrogen-based deep biosphere: Objectives and preliminary results of the H2DEEP project

15:00 END OF SESSION

IS47 - OS20/BG1.6/CL46/GMPV38/TS22 EuroFORUM 2008 - European Collaboration for Implementation of Marine Research on Cores (EuroMARC) (co-organized by OS, BG, CL, GMPV & TS) – Posters

Convener: Camoin, G.

Co-Convener(s): HAUGLUSTAINE, D.

Display Time: Friday, 08:00–19:30

Authors in Attendance: Friday, 10:30–12:00

Poster Area Halls X/Y

Chairperson: N.N.

XY0545; EGU2008-A-06334; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0545

DE LANGE, G.J.; ROBERT, B.; VERSTEEGH, G.; ZONNEVELD, K.A.F.; BERNASCONI, S.

Multidisciplinary study Of Continental/ocean Climate dynamics using High-resolution records from the eastern mediterranean (MOCCHA)

XY0546; EGU2008-A-06740; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0546

Robert, B.; Jilbert, T.; Reichart, G.J.; De Lange, G.J.

Preliminary geochemical assessment of the suitability of near-coastal Mediterranean sediments for detailed climate reconstruction (MOCCHA project)

XY0547; EGU2008-A-08036; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0547

Bernasconi, S.M.; Taricco, C.; Ghil, M.; Vivaldo, G. Mediterranean climate variability based on high-resolution sediment cores: EuroMARC project MOCCHA

XY0548; EGU2008-A-07605; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0548

Wheeler, A.J.; Freiwald, A.; Hebbeln, D.; Swennen, R.; van Weering, T.C.E.; de Haas, H.; Dorschel, B.

The CARBONATE project: Mid-latitude carbonate systems – complete sequences from cold-water coral carbonate mounds in the Northeast Atlantic

XY0549; EGU2008-A-06379; IS47 - OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0549

de haas, H.; Dorschel, B.; Fink, H.; Joseph, N.; Margreth, S.; Pirlet, H.; Thierens, M.; van Weering, T.C.E.; Wheeler, A.

The R.V. Pelagia pre-drilling site survey at the Rockall and Porcupine cold water coral mounds provinces, European Atlantic margin. The CARBONATE project, ESF EuroMARC program.

- XY0550;** EGU2008-A-09477; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0550
Thierens, M.; Stuut, J.-B.; Titschack, J.; O'Donnell, R.;
Dorschel, B.; Wheeler, A.J.
Drilling a NE Atlantic continental margin cold-water
coral carbonate mound : evaluating the hydrodynamic
and environmental conditions during Challenger Mound
development (IODP Exp.307).
- XY0551;** EGU2008-A-08072; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0551
Thomas, A. L.; Henderson, G. M.; Deschamps, P.;
Yokoyama, Y.; Bard, E.; Hamelin, B.; Durand, N.;
Camoin, G.
Lowstand sea levels from U-Th dating of pre-LGM corals:
results from IODP expedition 310 "Tahiti sea level"
- XY0552;** EGU2008-A-02804; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0552
Koelling, M.; Webster, J. M.; Camoin, G. F.; Iryu, Y
Modelling internal Reef Chronology and virtual drill Logs
using a spreadsheet-based Reef Growth Model (SEALEX)
- XY0553;** EGU2008-A-10851; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0553
Jansen, E.; Kleiven, H.F.
EuroMARC CRP: Atlantic Meridional Overturning Circula-
tion During Interglacials (AMOCINT)
- XY0554;** EGU2008-A-08315; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0554
Hoffmann, J.; Koelling, M.; Hathorne, E. C.
The impact of freshwater geochemistry on reef growth and
reef alteration
- XY0555;** EGU2008-A-11688; IS47 -
OS20/BG1.6/CL46/GMPV38/TS22-1FR2P-0555
Müller, WHM; Anders, EA
In-situ processing of deep biosphere cores