



2005 Fall Meeting

Monday Morning 2			
Time	Sess.	Location	Title
1020	PP12B	MCC 3001	Climate Impacts of Changes to the Thermohaline Circulation I (joint with A, OS, GC) Presiding: J Chiang, University of California; C Morrill, National Center for Atmospheric Research
1020	PP12B-01	MCC 3001	The 17 to 14 kyr $\delta^{14}\text{C}$ Decline *W S Broecker INVITED
1205	PP12B-08	MCC 3001	Conditional Instability of the Glacial Deep Ocean *J F Adkins, C Pasquero

Monday Afternoon 1			
Time	Sess.	Location	Title
1340	OS13A	MCC 3012	Present and Past Indonesian Throughflow Variability: PAGES-IMAGES I (joint with PP, GC) Presiding: A L Gordon, Lamont-Doherty Earth Observatory; W Kuhnt, Institute for Geosciences, University of Kiel
1340	OS13A-01	MCC 3012	Observed Variability in the Indonesian Throughflow: A Review *J Sprintall INVITED
1340	PP13B	MCC Level 2	Climate Impacts of Changes to the Thermohaline Circulation II Posters (joint with A, OS, GC) Presiding: R Sutton, University of Reading; C Morrill, National Center for Atmospheric Research
1340	PP13B-1489	MCC Level 2	Variability in the Influence of Southern Source Waters within the Florida Current Over the Last 20,000 Years *R E Came, D W Oppo, W B Curry POSTER
1340	PP13B-1491	MCC Level 2	Rapid Climate Change (RAPID) - Observing the Changes *M A Srokosz, V Byfield POSTER
1340	PP13B-1493	MCC Level 2	Interhemispheric Anti-phased Climate Changes During the Last Deglaciation *X Wang, A S Auler, R L Edwards, H Cheng, E Ito, M Solheid POSTER
1340	PP13B-1495	MCC Level 2	Millennial-scale Variability in NADW Strength During the Last Glacial: A Multi-Proxy Comparison Between the North and South Atlantic. *C Kissel, C Laj, A M Piotrowski, S L Goldstein, S R Hemming POSTER
1340	PP13B-1499	MCC Level 2	Simulating Arctic Freshwater Forcing of the Younger Dryas Cold Reversal *G Vettoretti, W R Peltier, M Stastna POSTER
1415	OS13A-03	MCC 3012	The Effects of the Indonesian Throughflow on the climate of the Indo-Pacific basin in the GFDL coupled model *Q Song, A Rosati
1445	OS13A-05	MCC 3012	Reconstructing Holocene Climate Variability and the Indonesian Throughflow in the Western Equatorial Pacific *Y Rosenthal, D W Oppo, B Linsley, Y S Djajadihardja, A Ridlo, F Syamsudin INVITED

Monday Afternoon 2			
Time	Sess.	Location	Title

1600	PP14A	Marriott Salon 8	Emiliani Lecture: On Glaciations and Their Causes (joint with A, OS, GC) Presiding: D W Lea, Department of Geological Sciences, University of California, Santa Barbara; B Otto-Bliesner, National Center for Atmospheric Research
1605	PP14A-01	Marriott Salon 8	Emiliani Lecture: On Glaciations and their Causes *M E Raymo INVITED

Tuesday Morning 1

Time	Sess.	Location	Title
0800	OS21D	MCC 3012	Ocean Sciences: Discoveries From Space I (joint with A, B, C, GC) Presiding: K A Kelly, University of Washington; L Fu, Jet Propulsion Laboratory, California Institute of Technology
0800	OS21D-01	MCC 3012	Ocean Circulation from Space: An Overview *S T Gille INVITED
0800	PP21B	MCC Level 2	Atlantic-Pacific Ocean Asymmetry and Past Global Climates I Posters (joint with OS, GC) Presiding: G H Haug, GeoForschungsZentrum Potsdam; R Zahn, Institució Catalana de Recerca i Estudis Avançats (ICREA) Universitat Autònoma de Barcelona
0800	PP21B-1558	MCC Level 2	Ocean gateways and the thermohaline circulation through the Cenozoic *A von der Heydt, H A Dijkstra POSTER
0800	PP21B-1563	MCC Level 2	Climatic Changes in the Okhotsk Sea During the Past 60,000 Years - Teleconnections to Siberia, Southeast Asia, and Greenland? D Nuernberg, *L Lembke-Jene, R Tiedemann, U Roehl, N Biebow, W Dullo POSTER
0815	OS21D-02	MCC 3012	Satellite Measurements of Coupled Ocean-Atmosphere Interaction *D B Chelton INVITED
0845	OS21D-04	MCC 3012	High-resolution mapping of the Arctic sea ice cover with RADARSAT and ICESat for climate and process studies *R Kwok INVITED

Tuesday Morning 2

Time	Sess.	Location	Title
1020	OS22B	MCC 3012	Ocean Sciences: Discoveries From Space II (joint with A, B, C, GC) Presiding: J A Yoder, University of Rhode Island; D Siegel, University of California, Santa Barbara
1020	OS22B-01	MCC 3012	Colored Dissolved Organic Matter and its Influence on the Satellite-Based Characterization of the Ocean Biosphere *D A Siegel, S Maritorena, N B Nelson, M J Behrenfeld, C R McClain INVITED
1020	PP22B	MCC 3006	Ice Cores and Climate Change I (joint with C, GC) Presiding: J W White, INSTAAR, University of Colorado; N Reeh, Technical University of Denmark
1020	PP22B-01	MCC 3006	Towards a Climate History of the Weddell Sea Region from Berkner Island, Antarctica *R Mulvaney, T McCormack, G Littot, E W Wolff, J Barnola, J Chappelaz, D Raynaud, D Wagenbach, C Arrowsmith INVITED
1050	OS22B-03	MCC 3012	Observations and Measurements of Dust Transport from the Patagonia Desert into the South Atlantic Ocean in 2004 and 2005 *S Gasso, D M Gaiero, B Villoslada, E Liske

1050	PP22B-03	MCC 3006	Gas Records From The West Greenland Ice Margin Covering The Last Glacial Termination: A Horizontal Ice Core *V V Petrenko, J P Severinghaus, E J Brook, N Reeh, H Schaefer
1105	OS22B-04	MCC 3012	Estimate of Atmospheric Fluxes of Bioavailable Nutrients to the Gulf of Aqaba *Y Chen, J Street, A Paytan
1120	OS22B-05	MCC 3012	Multi-Satellite Characterization of Interannual Variation in Primary Production and Air-Sea CO ₂ Flux in the Ross Sea, Antarctica *K R Arrigo INVITED
1120	PP22B-05	MCC 3006	The Greenland Ice Core Chronology 2005 (GICC05) *A Svensson, K K Andersen, H B Clausen, S J Johnsen, S O Rasmussen, J P Steffensen, B Vinther INVITED
1135	OS22B-06	MCC 3012	Western Pacific modulation of large phytoplankton blooms in the central and eastern equatorial Pacific *J P Ryan, P S Polito, P G Strutton, I Ueki, F P Chavez INVITED
1205	OS22B-08	MCC 3012	UV Attenuation Near Coral Reefs in the Florida Keys: Light Absorption by CDOM and Particles *G C Shank, R G Zepp, E Bartels

Tuesday Afternoon 1

Time	Sess.	Location	Title
1340	OS23B	MCC 3012	Ocean Sciences: Discoveries From Space III (joint with A, B, C, GC) Presiding: D Siegel, University of California, Santa Barbara; L Fu, Jet Propulsion Laboratory, California Institute of Technology
1340	OS23B-01	MCC 3012	The Southern Ocean "superbloom" of 2000: implications for carbon cycling *M Kahru, B Mitchell
1425	OS23B-04	MCC 3012	Environmental Variability in the Florida Keys: Impacts on Coral Reef Resilience and Health *I M Soto, F E Muller-Karger
1440	OS23B-05	MCC 3012	Towards an Ocean Color Data Assimilation System: Analysis of Ocean Color Products in the Context of Modular Ocean Data Assimilation System (MODAS) Three-Dimensional Temperature Fields *J K Jolliff, J C Kindle, B Penta, R Arnone, Z Lee, C Rowley

Tuesday Afternoon 2

Time	Sess.	Location	Title
1600	OS24B	MCC 3012	Ocean Observation Applications From the National Polar-Orbiting Operational Environmental Satellite System (NPOESS) I (joint with A, B, H, GC, NG) Presiding: G Jacobs, Naval Research Laboratory; R Arnone, Naval Research Laboratory

Wednesday Morning 1

Time	Sess.	Location	Title
0800	OS31A	MCC Level 2	Ocean Sciences: Discoveries From Space IV Posters (joint with A, B, C, GC) Presiding: J A Yoder, University of Rhode Island; K A Kelly, University of Washington
0800	OS31A-1434	MCC Level 2	N and P Co-Limit Growth and Control Community Composition and Taxon Specific Nutrient Status in the Gulf of Aqaba, Red Sea *K R Mackey, R G Labiosa, J Street, A Paytan POSTER
0800	OS31B	MCC Level 2	Present and Past Indonesian Throughflow Variability: PAGES-IMAGES II Posters (joint with PP, GC) Presiding: A L Gordon, Lamont-Doherty Earth Observatory; R Schneider, Institute for Geosciences, University of Kiel

0800	OS31C	MCC Level 2	Ocean Observation Applications From the National Polar-Orbiting Operational Environmental Satellite System (NPOESS) II Posters (joint with A, B, H, GC, NG) Presiding: G Jacobs, Naval Research Laboratory; R Arnone, Naval Research Laboratory
0800	PP31B	MCC Level 2	Isotopic Proxies in Paleooceanographic and Paleoclimatological Studies I Posters (joint with B, OS) Presiding: T Lyons, University of California, Riverside; C Johnson, University of Wisconsin Madison
0800	PP31B-1522	MCC Level 2	Initial and Diagenetic Behaviour of U Isotopes in Corals: Implications for U-series Dating L F Robinson, *J F Adkins, D Fernandez, D Burnett, A Gagnon, N Krakauer, S Wang POSTER
0800	PP31B-1523	MCC Level 2	Geochemical Ecology of a High Latitude Coral: <i>Plesiastrea versipora</i> a new Paleo-Environmental Archive *S N Burgess, M M McCulloch, T Ward POSTER
0800	PP31B-1524	MCC Level 2	Intercolony variability of skeletal oxygen and carbon isotope ratios of corals: temperature-controlled tank experiment and field observation *A Suzuki, T Omata, H Kawahata POSTER
0800	PP31B-1525	MCC Level 2	High Resolution Coral Record of Indo-Pacific Warm Pool Climate During the Penultimate Deglaciation, Sumba, Indonesia *D Qu, M K Gagan, G B Dunbar, W S Hantoro, B W Suwargadi, G E Mortimer, M T McCulloch POSTER
0800	PP31B-1531	MCC Level 2	Shallow Subsurface Marine Radiocarbon Records from Bahamas Sclerosponge Skeletons *B E Rosenheim, P K Swart POSTER
0800	PP31B-1532	MCC Level 2	Calibration and Natural Variability of Skeletal Stable Isotopes and Sr/Ca in two species of Pacific sclerosponges (<i>Acanthocheatetes wellsi</i> and <i>Astroclera welleyana</i>) *A G Grottoli, J F Adkins, K Moots POSTER
0800	PP31B-1537	MCC Level 2	226-Radium Activity in Bivalve Shells as a Tracer of Paleo-groundwater Input to Elkhorn Slough, California *J H Street, L Asbeck, W S Moore, A Paytan POSTER
0800	PP31C	MCC 3006	Ice Cores and Climate Change II (joint with C, GC) Presiding: D Dahl-Jensen, University of Copenhagen; P Biscaye, Lamont-Doherty Earth Observatory, Columbia University
0830	PP31C-03	MCC 3006	The 1452 A.D. Kuwae Eruption Signal Derived from Multiple Ice Core Records: Greatest Eruption over the Past 700 Years *C Gao, A Robock, S Self, J Witter, J Steffenson, H Clausen, M Siggaard-Andersen, S Johnsen, P A Mayewski, C Ammann
0845	PP31C-04	MCC 3006	Weakening of the South Asian Monsoon Since 1600 A.D. from a Mt. Everest Ice Core *S D Kaspari, P A Mayewski, S Kang, S B Sneed, K Kreutz, D Introne, R Hooke, K Maasch, S Hou, D Qin, J Ren
0900	PP31C-05	MCC 3006	Evidence from an Ice Core of a Large Impact Circa 1443 A.D. *D Abbott, P Biscaye, J Cole-Dai, D Breger
0915	PP31C-06	MCC 3006	High-Resolution South Pole Dust Log and Evidence of Low Sulfur Volcanic Eruptions *R A Rohde, N Bramall, R C Bay, P B Price
0945	PP31C-08	MCC 3006	Sub-annual Ice-Core Record of Major Ion and Heavy Metal Variability and Sources in the North Pacific Free Troposphere, Mt. Logan, Yukon, Canada *E C Osterberg, A V Kurbatov, P A Mayewski, K J Kreutz, D Fisher

Wednesday Morning 2

Time	Sess.	Location	Title
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1020	PP32A	MCC 3006	An Era of Paleoceanographic Research II (joint with OS) Presiding: R Thunell, University of South Carolina; B Corliss, Duke University; L Keigwin, Woods Hole Oceanographic Institution
1020	PP32A-01	MCC 3006	Mg/Ca in extra-tropical planktonic foraminifera: trap, tow and culture results from Santa Barbara Basin *D K Pak, P von Langen, D W Lea, J P Kennett
1035	PP32A-02	MCC 3006	Marine Coral and Sediment Records of Intermediate Water History from Decadal to Millennial Timescales on the California Margin *T M Hill, J P Kennett, H J Spero

Wednesday Afternoon 1

Time	Sess.	Location	Title
1340	OS33D	MCC 3012	Past and Future Changes of Thermohaline Circulation I (joint with PP, GC) Presiding: A Schmittner, Oregon State University; M Latif, Leibniz Institute for Marine Sciences at the University of Kiel
1340	PP33D	MCC 3006	Isotopic Proxies in Paleoceanographic and Paleoclimatological Studies II (joint with B, OS) Presiding: T Lyons, University of California, Riverside; C Johnson, University of Wisconsin Madison
1355	OS33D-02	MCC 3012	Reducing the Uncertainty in Projections of the North Atlantic Thermohaline Circulation for the 21st century M Latif, A Schmittner, *B Schneider
1410	PP33D-03	MCC 3006	$\delta^{4}\text{He}$ in Modern Cape Verde Corals: A High-Resolution Proxy Record of N. African Climate *S Mukhopadhyay, P Kreycik, D P Schrag
1440	OS33D-05	MCC 3012	Assessing the Likelihood of Human-Induced-Greenhouse Changes in the Atlantic Thermohaline Circulation and Climate *M Schlesinger
1525	PP33D-08	MCC 3006	Cadmium Isotope Fractionation in Seawater - A Signature of Nutrient Utilization *S Wichtlhuber, M Rehkaemper, A N Halliday

Wednesday Afternoon 2

Time	Sess.	Location	Title
1600	PP34B	MCC 3007	Atlantic-Pacific Ocean Asymmetry and Past Global Climates II (joint with OS, GC) Presiding: G H Haug, GeoForschungsZentrum Potsdam; R Zahn, Institut de Recerca i Estudis Avançats (ICREA) Universitat Autònoma de Barcelona
1630	PP34B-03	MCC 3007	A possible role for North Pacific salinity in stabilizing North Atlantic climate *L Keigwin, M Cook INVITED
1645	PP34B-04	MCC 3007	Cooling of the Eastern Tropical North Pacific in Response to a Slow-Down of the Atlantic Meridional Overturning Circulation *M Kienast, S Kienast, S E Calvert, T I Eglinton, G Mollenhauer, R Francois, A Mix
1700	PP34B-05	MCC 3007	The Atlantic-Pacific Salinity Contrast and Sea Level During Marine Isotope Stage 11 *J F McManus, D W Oppo, J L Cullen, P Huybers INVITED

Thursday Morning 1

Time	Sess.	Location	Title
0800	PP41A	MCC Level 1	Perspectives on Southern Ocean Paleoceanography and Paleoclimatology I Posters (joint with B, OS, C, GC) Presiding: D Warnke, California State University, East Bay; K Kryc, Ocean Drilling Programs

0800	PP41A-0628	MCC Level 1	Siple Dome vs Palmer Deep: Resolving a Dichotomy in Antarctic Holocene Paleoenvironmental Records from Marine Sediments and Ice Cores *S B Das, E W Domack POSTER
0800	PP41A-0629	MCC Level 1	Mid Holocene Warmth in the Antarctic Peninsula: evidence from the Vega Drift *M Patterson, A Leventer, A Drake, E Domack, A Buffen, S Ishman, P Szymcek, S Brachfeld, E Backman POSTER
0800	PP41A-0630	MCC Level 1	Glacial diatom-bound 15N/14N records from the Antarctic Zone of the Southern Ocean *R S Robinson, D M Sigman POSTER
0800	PP41A-0631	MCC Level 1	Southern Hemisphere Signature in Glacial-Deglacial Sequence of SST and Denitrification Along the Peru Margin *T D Herbert, Z Liu, M A Altabet, M Higginson, S Higgins POSTER
0800	PP41A-0637	MCC Level 1	Glacial-Interglacial Variations of Atmospheric CO ₂ Concentration: A Modeling Study for the Effect of the Southern Ocean *T Kurahashi-Nakamura, A Abe-Ouchi, Y Yamanaka, K Misumi POSTER
0800	PP41C	MCC 3006	Holocene Climate Variability at the Transition Between Temperate, Mediterranean, and African-Indian Monsoon Regimes I <i>(joint with OS, GC)</i> <i>Presiding: G Schmiedl, Institute of Geophysics and Geology, Leipzig University; D M Anderson, NOAA National Climate Data Center Paleoclimatology</i>
0900	PP41C-05	MCC 3006	Holocene ITCZ and Indian Monsoon Dynamics Recorded in Stalagmites From Oman and Yemen (Socotra) *D Fleitmann, S J Burns, A Mangini, M Mudelsee, U Neff, J Kramers, A Matter INVITED
0915	PP41C-06	MCC 3006	Possible Solar Forcing of Late Holocene Indian Monsoon Rainfall *A Sinha, K Cannariato, L Stott, H Cheng, L Edwards
0945	PP41C-08	MCC 3006	Tropical Indian Ocean Temperatures from Sr/Ca Ratios of Modern Porites Corals: Assessing the Impact of 20th Century Warming on Tropical Rainfall *M Pfeiffer, O Timm, W Dullo

Thursday Morning 2

Time	Sess.	Location	Title
1020	PP42B	MCC 3006	Early Holocene Climate Variability and the Timing and Extent of the Holocene Thermal Maximum (HTM): Comparisons From the Northern and Southern Hemispheres II <i>(joint with GC)</i> <i>Presiding: C Caseldine, University of Exeter; P Langdon, University of Exeter; C Turney, University of Wollongong</i>
1105	PP42B-04	MCC 3006	The Holocene Thermal Maximum in the Arctic *G M MacDonald, D S Kaufman, M Duval, K Kremenetski
1150	PP42B-07	MCC 3006	Rapid Holocene Deglaciation of the Laurentide Ice Sheet *A E Carlson, G M Raisbeck, P U Clark, E J Brook

Thursday Afternoon 1

Time	Sess.	Location	Title
1340	OS43B	MCC 3012	Carbon Cycle in the Ocean With an Emphasis on Budgets and Fluxes Across Interfaces in the Arctic I <i>(joint with B, PP, GC)</i> <i>Presiding: R Macdonald, Institute of Ocean Science; L Guo, University of Alaska Fairbanks</i>
1456	OS43B-05	MCC 3012	Carbon Dioxide Exchange and Sea Water Optical Properties in the Coastal Arctic Ocean *A Makshtas, R Vlasenkov, I Semiletov

Friday Morning 1

Time	Sess.	Location	Title
0800	OS51B	MCC Level 1	Carbon Cycle in the Ocean With an Emphasis on Budgets and Fluxes Across Interfaces in the Arctic II Posters (joint with B, PP, GC) Presiding: I Semiletov, University of Alaska Fairbanks; L Guo, University of Alaska Fairbanks; E Romankevich, P. P. Shirshov Institute of Oceanology
0800	OS51B-0559	MCC Level 1	C-14 "reservoir-effect" as a tracer of deep carbon flux in the Subarctic and Arctic Seas *A N Salyuk POSTER
0800	OS51B-0562	MCC Level 1	Export Fluxes of Dissolved Organic Carbon From the Yukon River *L Guo, Y Cai, C Belzile, R Macdonald POSTER
0800	OS51B-0565	MCC Level 1	Primary Production and C Flow in the Chukchi Sea Land-Fast Ice-Ocean Ecosystem and Sensitivity to Environmental Factors *C J Deal, M Jin, J Wang, T E Whittleage, S H Lee POSTER
0800	OS51B-0567	MCC Level 1	Holocene record of deglaciation on the Chukchi Shelf, offshore NW Alaska *J C Hill, N W Driscoll, J P Donnelly POSTER
0800	OS51C	MCC Level 1	General Submissions: Marine Geochemistry and Biology Posters (joint with A, B, H, V, GC) Presiding: S Macko, University of Virginia; P Swarzenski, U.S. Geological Survey
0800	OS51C-0571	MCC Level 1	Indirect Measurements of Air-Water CO ₂ Exchanges in a Tropical Coastal Area *\ Bonnaud, F Paquay, E De Carlo, F Mackenzie POSTER
0800	OS51C-0575	MCC Level 1	Environmental and Biological Controls of Tidal Banding in the Common Mussel { <i>Mytilus californianus</i> } *H L Ford, S A Schellenberg POSTER
0800	PP51A	MCC Level 1	Beyond Emiliani: Ocean Salinity Changes on Decadal to Millennial Timescales I Posters (joint with OS, GC) Presiding: H Spero, University of California, Davis; L Peterson, MGG/RSMAS, University of Miami
0800	PP51A-0577	MCC Level 1	Deer-Water Temperature Variability During MIS 3: Unravelling the 'Greenland' and 'Antarctic' Signals in Northeast Atlantic d18O *L C Skinner, N J Shackleton, H H Elderfield POSTER
0800	PP51A-0582	MCC Level 1	The Potential of Ikaite to Record the Oceanic Evolution of $\delta^{18}O$ *R E Rickaby, S Shaw, G Bennett, H A Kennedy, A Lennie POSTER
0800	PP51E	MCC Level 1	Modes of ENSO Variability During the Holocene and Late Pleistocene I Posters (joint with OS, GC) Presiding: A Koutavas, College of Staten Island, City University of New York; K Pahnke, Massachusetts Institute of Technology
0800	PP51E-0641	MCC Level 1	Coupled Model Simulations of Mid-Holocene ENSO With Standard and Perturbed Physics Versions of HadCM3 *J Brown, M Collins, A Tudhope POSTER
0800	PP51E-0643	MCC Level 1	Climate Changes Resulting From Removal of the Equatorial Cold Tongue Influence *J C Chiang, H Park POSTER
0800	PP51E-0644	MCC Level 1	Mid-Holocene Attenuation of ENSO From Oxygen-Isotopic Distributions of Individual Foraminifera *G C Olive, A Koutavas, W B Ryan POSTER
0800	PP51F	MCC 3006	Perspectives on Southern Ocean Paleoceanography and Paleoclimatology II (joint with B, OS, C, GC) Presiding: G M Filippelli, Indiana University-Purdue University at Indianapolis; K Kryc, Ocean Drilling Programs

0845	PP51F-04	MCC 3006	Antarctic Pliocene Biotic and Environmental Change in a Global Context Changes *P G Quilty, J Whitehead INVITED
0930	PP51F-07	MCC 3006	Southern Ocean productivity and oceanic mass balance changes on glacial timescales *G Filippelli, J Latimer, J A Flores, R Murray
0945	PP51F-08	MCC 3006	Recent sedimentation beneath the McMurdo Ice Shelf, Antarctica *C R Riesselman, P J Barrett, R B Dunbar, G B Dunbar INVITED

Friday Afternoon 1

Time	Sess.	Location	Title
1340	PP53A	MCC 3006	Modes of ENSO Variability During the Holocene and Late Pleistocene II (joint with OS, GC) <i>Presiding: A Koutavas, College of Staten Island, City University of New York; K Pahnke, Massachusetts Institute of Technology</i>

Friday Afternoon 2

Time	Sess.	Location	Title
1600	PP54A	MCC 3006	Beyond Emiliani: Ocean Salinity Changes on Decadal to Millennial Timescales II (joint with OS, GC) <i>Presiding: P K Swart, MGG/RSMAS, University of Miami; H Spero, University of California, Davis</i>

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