

EGU General Assembly 2007

Programme Groups

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- ▶ Biogeosciences
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- ▶ Ocean Sciences
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- ▶ Solar-Terrestrial Sciences
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Oral/Poster Session's Selection Pre-View Page - GD05 The Origins of Melting Anomalies

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I. Oral Contributions

Oral Time Block 1

Order	Abstract	Contributions (Author(s), Title)
O15	EGU2007-A-04625	Foulger, G.R. The "Plate" model for the genesis of melting anomalies
1		
O15	EGU2007-A-10146	Phipps Morgan, J. ; Morgan, W. J. Several plume 'paradoxes' can be resolved by a plume-fed asthenosphere
2		
OS30	EGU2007-A-00436	Presnall, D. ; Gudfinnsson, G. Global Na8-Fe8 Systematics of MORBs: Implications for Mantle Heterogeneity, Temperature, and Plumes
3		
OS15	EGU2007-A-05374	Burov, E. ; Guillou-Frottier, L.; Cloetingh, S. Plume head –lithosphere interactions near intra-continental plate boundaries.
4		
O15	EGU2007-A-04521	Morgan, W.J. ; Phipps Morgan, J. Mantle plumes and the Pacific superswell
5		

Oral Time Block 2

Order	Abstract	Contributions (Author(s), Title)
O15	EGU2007-A-04613	Pilet, S. ; Baker, M.B.; Stolper, E.M. Experimental constraints on the origin of OIBs
6		
OS15	EGU2007-A-01737	Lustrino, M. ; Carminati, E. Phantom plumes in Europe and the circum-Mediterranean region
7		
OS15	EGU2007-A-00632	Keskin, M. Slab-steepening & breakoff: an alternative shallow-plate tectonic model for the genesis of plume-like melting anomalies in continental intraplate settings
8		
O15	EGU2007-A-04990	Timm, C. ; Hoernle, K.; Hauff, F.; van den Bogaard, P.; Weaver, S. Crustal Assimilation versus Mantle Melts in Lavas from Banks Peninsula, NZ
9		
OS15	EGU2007-A-02486	Ivanov, A.V. Geochemistry of Dominant Low-Ti Basalts of the Siberian Traps and Subduction-Related Model of Their Origin
10		
O15	EGU2007-A-11507	Comin-Chiaramonti, P. ; de Barros Gomes, C.; Cundari, A.; Castorina, F.; Censi, P. A review of carbonatitic magmatism in the Paraná-Angloa-Etendeka system
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Oral Time Block 3

Order	Abstract	Contributions (Author(s), Title)
		Torevik, T.H. ; Smethurst, M.A.; Burke, K.; Steinberger, B.

- ▶ Townhall Meetings
- ▶ Division Business Meetings
- ▶ Editorial Board Meetings
- ▶ Union Meetings
- ▶ Splinter Meetings
- ▶ Forums

O15 12	EGU2007-A-04388	Torsvik, T.H. , Smeethurst, M.A., Burke, K., Steinberger, D. Long term stability in Deep Mantle structure: Evidence from the ~ 300 Ma Skagerrak-Centered Large Igneous Province (the SCLIP)
O15 13	EGU2007-A-09281	Meyer, R. ; van Wijk, J.W.; Gernigon, L. Formation of the North Atlantic Igneous Province: what is the role of the Iceland mantle anomaly?
O15 14	EGU2007-A-04028	Kumagai, I. ; Davaille, A.; Kurita, K. Successful and failing plumes: the Icelandic case
O15 15	EGU2007-A-09580	Bjarnason, I. Th The seismic low velocity of Iceland's mantle. The shape of a thermal and melt anomaly
OS15 16	EGU2007-A-00466	Rasskazov, S. ; Chuvashova, I.; Kozhevnikov, V.; Mordvinova, V. Magmatic dynamics of the Sayan-Mongolian Late Cenozoic low-velocity mantle domain, Central Asia
OS15 17	EGU2007-A-11008	Gu, Y.J. ; An, Y. Complexities in the Upper Mantle Transition Zone Beneath Hotspot Locations

Number of Units:

O15: 10 unit(s)
 OS30: 2 unit(s)
 OS15: 6 unit(s)
 Total: 18 unit(s)

Note: 18 Oral units assigned for this Session.

II. Poster Contributions

Poster Time Block 1

Order	Abstract	Contributions (Author(s), Title)
P 1	EGU2007-A-04883	Geoffroy, L. ; Bergerat, F.; Angelier, J. Regional stresses before, during and following Large Igneous Province magmatism
P 2	EGU2007-A-00880	Mikhail, S ; Manning, CJ; Thirlwall, MF; Lowry, D Age and petrogenesis of the EM I source beneath Öraefajökull, SE Iceland: Enriched endmember(s) of the Iceland mantle plume? or a crustal source?
PS 3	EGU2007-A-04146	Vogt, P.R. ; Jung, W.Y.; Williamson, M.C.; Blasco, S. Geology and Geophysics of the Bermuda Volcanic Edifice and Bermuda Rise: Synthesis and Current Research

Poster Time Block 2

Order	Abstract	Contributions (Author(s), Title)
P 4	EGU2007-A-10786	Viereck-Goette, L. ; Schöner, R.; Abratis, M. ; Elsner, M.; Bomfleur, B.; Schneider, J. ; Gaupp, R. ; Kerp, H. Possible Proof for genetic Link between the mafic Ferrar LIP and the silicic Antarctic Peninsula Volcanic Group identified in the Transantarctic Mountains
	EGU2007-	Chuvashova, I. ; Rasskazov, S.; Yasnygina, T.

- P 5 [EGU2007-A-01427](#) Alkaline basaltic volcanism in Central Mongolia and Northeast China for the past 15 Ka: decompressional and delayed fluid melting of the mantle
Perpelov, A.B. ; **Ivanov, A.V.**; Puzankov, M.Yu.; Dril, S.I.; Layer, P.W. ; Paholchenko, Yu.A.; Tatarnikov, S.A.; Sandimirov, I.V.; Sandimirova, G.P.;
- P 6 [EGU2007-A-05141](#) Origin of WPB -Type Magmas in Rear Volcanic Belt of Kamchatka as a Result of Melting of the Kula Paleoslab
Ilina, N.N.
Demonterova, E.I.; Ivanov, A.V.
- P 7 [EGU2007-A-05786](#) Trace Element and Sr-Nd Isotope Inference on Source of the Late Cenozoic Alkaline Basalts in the Western Khubsugul Area
- P 8 [EGU2007-A-05468](#) **Sharma, K**
K-T magmatism of northwestern Indian shield: A result of fragmenting continent
- P 9 [EGU2007-A-06353](#) **Dyment, J.**; [IFCPAR 1911-1 & Magofond 2 & Gimnaut Sci. Teams](#)
The Deccan-Reunion hotspot history: hotspot-ridge interaction for the last 60 Ma
- P 10 [EGU2007-A-05598](#) Hansen, U.
Plumes in a convecting mantle
- P 11 [EGU2007-A-06458](#) **Ballmer, M. D.**; van Hunen, J.; Tackley, P. J.
Intraplate volcanism due to small-scale convection - a 3D numerical study
- PS 12 [EGU2007-A-07960](#) **O'Connor, J.M.**; Stoffers, P.; Wijbrans, J.R.; Worthington, T.J.; Jokat, W.
Testing the volcanic record for evidence of broad hotspot melting anomalies
- P 13 [EGU2007-A-03734](#) **Cuffaro, M.**; Doglioni, C.
Global kinematics in the deep vs shallow hotspot reference frames

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P: 11
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