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File format:

Column 1 = Number

Column 2 = Feature

Column 3 = Feature name

Column 4 = Age of basement/rifting (Ma)

Column 5 = estimated +/- error range

Column 6 = Age of load (Ma)

Column 7 = estimated +/- error range

Column 8 = Elastic thickness,  $T_e$

Column 9 = estimated +/- error range

Column 10 = First author

Column 11 = Year of publication

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#### a) Intra-Cratonic Uplift/Basin

1	ICUB	Mid-continent_high	1350.0	50.0	1100.0	50.0	36.0
1.0	Cohen	1966					
2	ICUB	Mid-continent_high	1350.0	50.0	1100.0	50.0	20.0
7.0	McGinnis	1970					
3	ICUB	Boothia_uplift	1700.0	100.0	500.0	100.0	18.0
13.0	Walcott	1970					
4	ICUB	Michigan	1350.0	150.0	381.0	81.0	46.0
	Haxby	1976					
5	ICUB	S_India_Cuddapah	2350.0	150.0	1135.0	565.0	19.7
5.0	Bhattacharji	1984					
6	ICUB	Anadarko	475.0	55.0	327.0	37.0	56.0
	Garner	1984					
7	ICUB	Mid-continent_high	1096.0	50.0	1055.0	10.0	7.6
2.0	Nyquist	1988					

#### b) Rift Basins

1	RB	Central_graben_North_Sea	170.0	10.0	0.0	0.0
5.0	0.0	Barton	1984			
2	RB	Rhine_graben	12.5	2.5	0.0	23.0
0.0	Weissel	1989				
3	RB	Albert_EA	12.0	2.0	0.0	38.0
	Ebinger	1991				
4	RB	Karonga_EA	8.0	1.0	0.0	36.0
	Ebinger	1991				
5	RB	Kigoma_EA	12.0	2.0	0.0	21.0
	Ebinger	1991				
6	RB	Kivu_EA	12.0	2.0	0.0	17.0
	Ebinger	1991				
7	RB	Marunga_EA	8.0	1.0	0.0	23.0
	Ebinger	1991				
8	RB	Rusizi_EA	12.0	2.0	0.0	17.0
	Ebinger	1991				
9	RB	Viking_graben_NS	200.0	20.0	0.0	6.0
0.0	Kusznir	1991				
10	RB	Viking_graben_NS	170.0	0.0	0.0	3.0
0.0	Kusznir	1991				

11	RB	Danish_graben_NS	220.0	20.0	0.0	0.0	4.0
1.0		Korstgard 1992					
12	RB	Sergipe_Alagoas	130.0	10.0	0.0	0.0	5.0
5.0		Karner 1992					
13	RB	Tucano	130.0	10.0	0.0	0.0	30.0
		Karner 1992					
14	RB	Baikal	11.0	2.0	0.0	0.0	35.4
		Ruppel 1992					
15	RB	Reconcavo_Tucano	130.0	10.0	0.0	0.0	5.0
0.0		Magnavita 1994					
16	RB	Lake_Tanganyika_EA	12.0	2.0	0.0	0.0	4.0
1.0		van>Wees 1994					
17	RB	Albert_North_EA	12.0	2.0	0.0	0.0	25.0
0.0		Upcott 1996					
18	RB	Albert_South_EA	12.0	2.0	0.0	0.0	25.0
0.0		Upcott 1996					
19	RB	Edward_basin_EA	12.0	2.0	0.0	0.0	25.0
0.0		Upcott 1996					
20	RB	Baikal	11.0	2.0	x	x	40.0
		1997					
21	RB	East_West_Rift_Africa	12.0	2.0	0.0	0.0	0.0
22.5		17.5 Ebinger 1999					
22	RB	Western_Rift	12.0	2.0	0.0	0.0	28.0
10.0		Petit 2000					
23	RB	EA-Albertine	12.0	2.0	0.0	0.0	27.0
3.0		Karner 2000					
24	RB	Rio_Grande_Uplift-Albuquerque_basin			27.5	2.5	0.0
0.0		5.0 2.0 Peterson 2005					
25	RB	Rio_Grande_Uplift-Tularosa_basin			27.5	2.5	0.0
0.0		20.0 5.0 Peterson 2005					
26	RB	Rio_Grande_Uplift-Luis_basin			27.5	2.5	0.0
0.0		5.0 2.0 Peterson 2005					

## c) Passive Margin Rift Basin

1	PMRB	Baltimore_CT_North	180.0	20.0	0.0	0.0
5.0		2.5 Watts 1988				
2	PMRB	Ross_sea	60.0	10.0	0.0	0.0
		Stern 1989				
3	PMRB	NZ_western_platform	80.0	10.0	5.0	1.0
24.0		4.0 Holt 1991				
4	PMRB	Jeanne_d'arc	200.0	20.0	0.0	0.0
0.0		Kusznir 1991				
5	PMRB	Valencia_trough	20.0	2.0	0.0	0.0
2.5		Watts 1992				
6	PMRB	Beaufort_Mckenzie	150.0	10.0	0.0	0.0
0.0		Tang 1992				
7	PMRB	Gulf_of_Lions	20.0	2.0	0.0	0.0
2.5		Kooi 1992				
8	PMRB	Baltimore_CT_South	180.0	20.0	0.0	0.0
40.0		20.0 Pazzaglia 1994				
9	PMRB	Tyrreahnian_sea	7.0	2.0	0.0	0.0
2.5		Spadini 1995				
10	PMRB	Goban_spur	100.0	20.0	0.0	0.0

10.0	Keen 1997						
11	PMRB Grand_Banks_South	180.0	20.0	0.0	0.0	20.0	
0.0	Keen 1997						
12	PMRB Grand_Banks_North	180.0	20.0	0.0	0.0	20.0	
0.0	Keen 1997						
13	PMRB Nova_Scotia	180.0	20.0	0.0	0.0	20.0	
0.0	Keen 1997						
14	PMRB Orphan_basin	120.0	10.0	0.0	0.0	30.0	
10.0	Keen 1997						
15	PMRB Labrador	120.0	20.0	0.0	0.0	60.0	40.0
	Keen 1997						
16	PMRB Hatton_bank	55.0	5.0	0.0	0.0	5.0	
0.0	Watts 1997						
17	PMRB West_Greenland	120.0	20.0	0.0	0.0	60.0	
40.0	Keen 1997						
18	PMRB Gabon	100.0	10.0	0.0	0.0	7.5	2.5
	Watts 1998						
19	PMRB Eastern-India-Krishna-Godavari			122.5	5.0	20.0	
5.0	30.0 5.0 Krishna 2000						
20	PMRB Eastern_India-North	85.0	10.0	0.0	0.0		
17.5	7.5 Chand 2001						
21	PMRB Eastern_India-South	85.0	10.0	0.0	0.0		
2.5	2.5 Chand 2001						
22	PMRB Eastern_Antarctica-Enderby		85.0	10.0	0.0		
0.0	17.5 7.5 Chand 2001						
23	PMRB Ebro_delta	24.0	2.0	1.5	0.2	12.5	
2.5	Gaspar-Escribano 2001						
24	PMRB South_China_Sea	62.0	4.0	6.0	6.0	11.5	
1.5	Lin 2002						
25	PMRB Western_India	85.0	10.0	0.0	0.0	11.5	
3.5	Chand 2003						
26	PMRB Eastern_India	85.0	10.0	0.0	0.0	11.5	
1.5	Chand 2003						
27	PMRB Western_India-Western_Ghats		55.0	5.0	0.0		
0.0	10.0 2.0 Campanile 2008						
28	PMRB Arabian_plate-Ophiolite_loading		195.0	15.0	90.0		
5.0	22.5 2.5 Ali 2009						
29	PMRB Trans_Antarctic_Mountains		60.0	10.0	0.0	0.0	
60.0	10.0 Yamasaki 2008						
30	PMRB Western_India-Western_Ghats		55.0	5.0	0.0		
0.0	10.0 2.0 Campanile 2008						
31	PMRB Antarctica-Wilkes_Land	83.0	17.0	22.0	22.0		
30.0	5.0 Close 2009						
32	PMRB South_Australia	83.0	17.0	22.0	22.0	15.0	
5.0	Close 2009						
33	PMRB Amazon-Layer1	115.0	5.0	75.0	69.0	13.0	2.0
	Watts 2009						
34	PMRB Amazon-Layer2	115.0	5.0	2.5	2.5	35.0	2.0
	Watts 2009						