

DR7. Tabulated data for backstripping and tectonic subsidence calculations for Fuhrman#1 well of the Kern Arch. Note bottom entry is for ~1500 m of cryptic subsidence constrained to latest Miocene-early Quaternary age. Backstripping and tectonic subsidence calculations after Allen and Allen (1990) and Watts (2001), and performed on OSXBackstrip by N. Cardozo (<http://homepage.mac.com/nfcd/work/programs.html>).

Unit	Base km	Age _b	SL _b	WD _b	Top km	Age _t	SL _t	WD _t	ρc	c	ϕ _o	Type
Tf	3.086	48	0.15	0.2	3.006	45	0.15	0	2700	0.32	51	0
Tw	3.006	45	0.15	0	2.921	34	0.2	0	2695	0.47	58	0
Tv	2.921	34	0.2	0	2.65	23	0.1	0.1	2710	0.2	42	0
Tfj	2.65	23	0.1	0.1	2.184	18	0.1	0.2	2690	0.56	62	0
To	2.184	18	0.1	0.2	2.069	16	0.15	0.05	2705	0.22	44	0
Trm	2.069	16	0.15	0.05	1.915	14	0.1	0.25	2690	0.56	62	0
Tf	1.915	14	0.1	0.25	1.874	12	0.05	0.05	2690	0.57	63	0
Tsm	1.874	12	0.05	0.05	1.807	7	0	0.025	2710	0.2	42	0
Tkr	1.807	7	0	0.025	1.5	6	0	0	2700	0.47	58	0
Tcrpy	1.5	6	0	0	0	3	0	0	2700	0.47	58	0