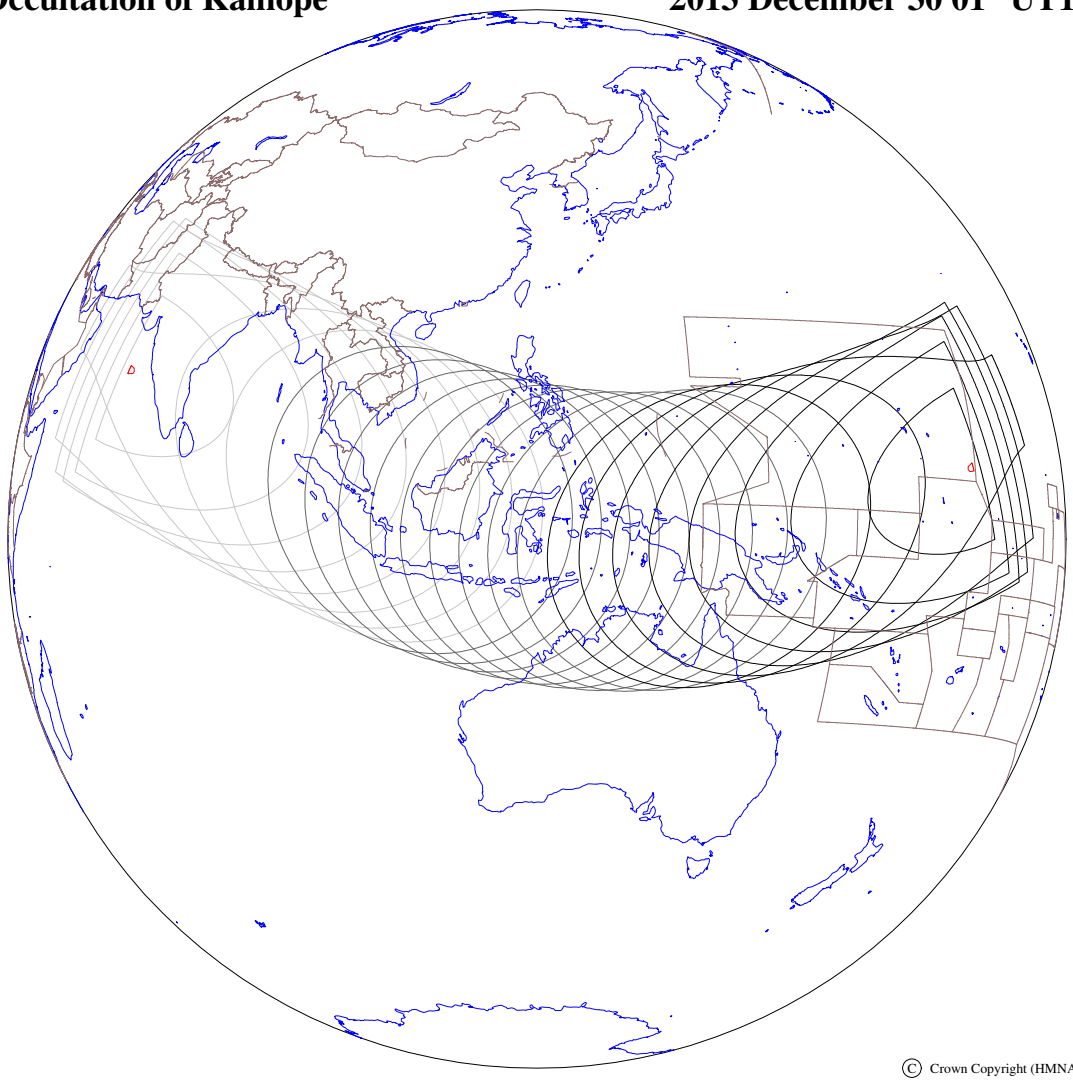
Occultation of Kalliope **2013 December 30 01^h UT1**



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Conjunction	2013 December 30		
Time	$01^h\ 28^m\ 49^s$ TT	Centre of the globe: longitude	$122^\circ.7$ E
Right ascension	$16^h\ 13^m\ 05^s$	latitude	$04^\circ.0$ S
Declination	$-18^\circ\ 55'\ 11''$	First shadow 2013 Dec. 29 at	$23^h\ 24^m.5$ UT1
		Last shadow 2013 Dec. 30 at	$03^h\ 36^m.1$ UT1
Delta T = TT - UT1 =	$67^s.0$	Footprints (light to dark) every	$00^h\ 10^m.0$