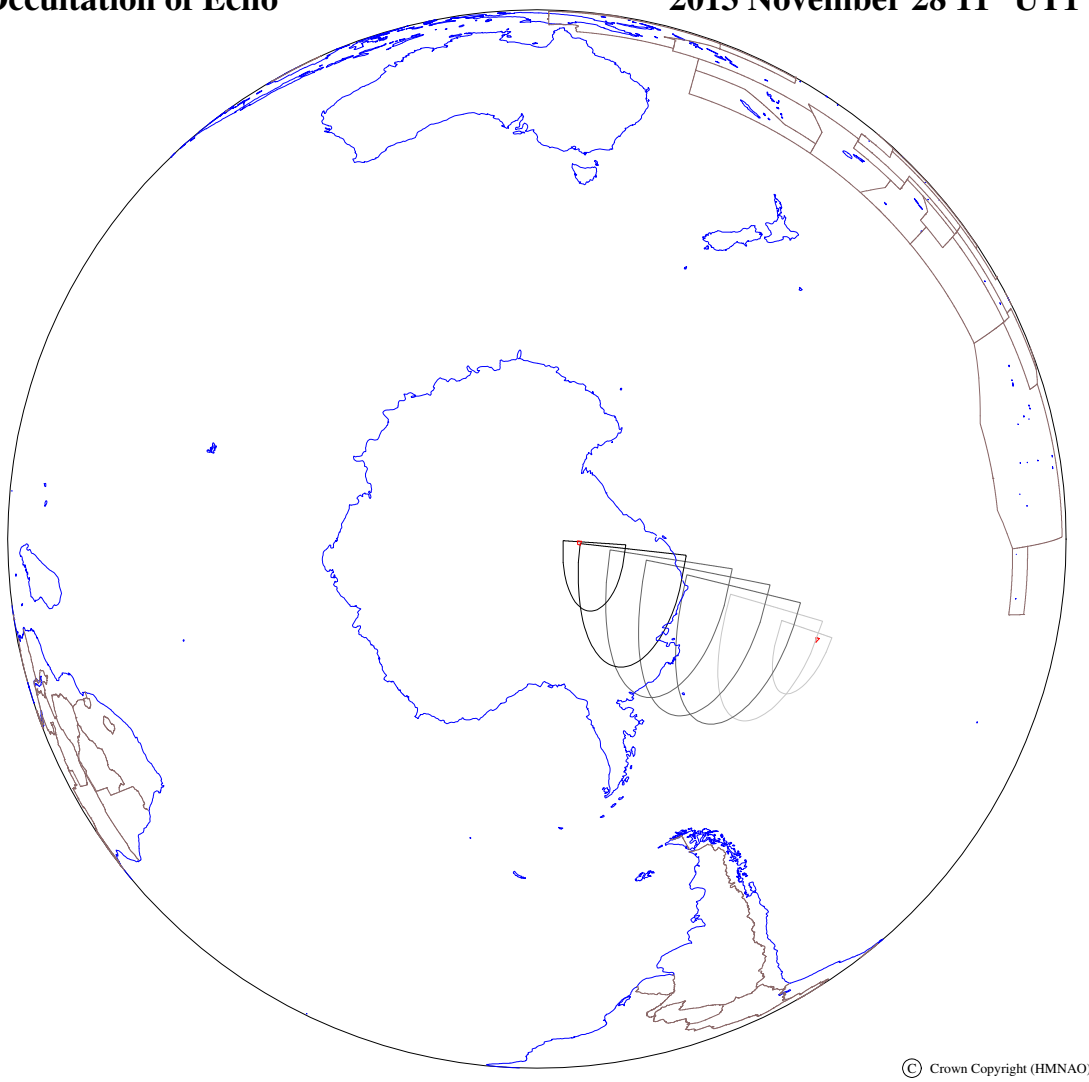
Occultation of Echo **2013 November 28 11^h UT1**



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Conjunction	2013 November 28		
Time	$10^h\ 32^m\ 51^s$ TT	Centre of the globe: longitude	$139^\circ.7$ E
Right ascension	$12^h\ 20^m\ 36^s$	latitude	$86^\circ.1$ S
Declination	$-\ 3^\circ\ 54'\ 25''$	First shadow 2013 Nov. 28 at	$09^h\ 12^m.7$ UT1
		Last shadow 2013 Nov. 28 at	$10^h\ 20^m.6$ UT1
Delta T = TT - UT1 =	$67^s.0$	Footprints (light to dark) every	$00^h\ 10^m.0$