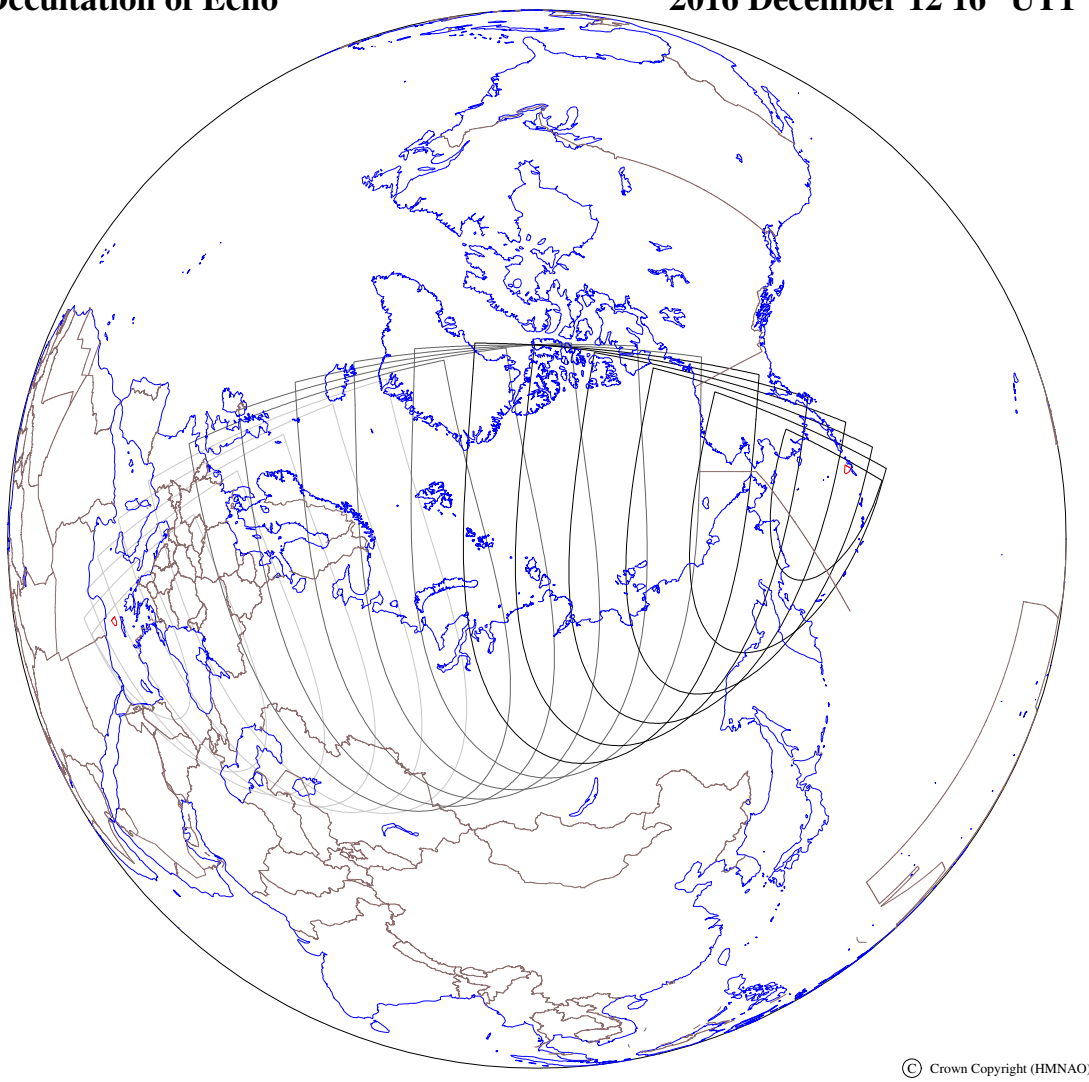
Occultation of Echo **2016 December 12 16^h UT1**



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Conjunction	2016 December 12		
Time	$16^h\ 05^m\ 42^s$ TT	Centre of the globe: longitude	$098^\circ.2$ E
Right ascension	$4^h\ 04^m\ 22^s$	latitude	$83^\circ.2$ N
Declination	$+14^\circ\ 44'\ 00''$	First shadow 2016 Dec. 12 at	$14^h\ 23^m.4$ UT1
		Last shadow 2016 Dec. 12 at	$17^h\ 12^m.6$ UT1
Delta T = TT - UT1 =	$68^s.0$	Footprints (light to dark) every	$00^h\ 10^m.0$