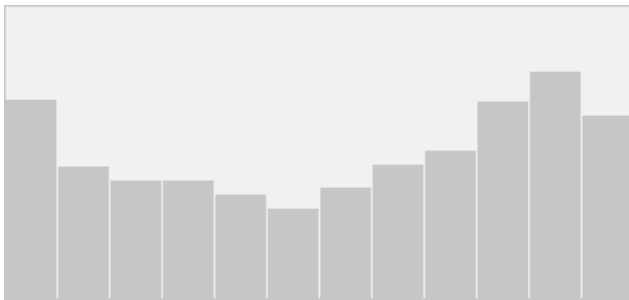
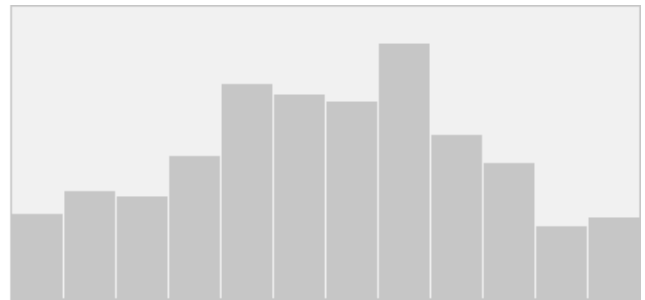


Seasonal Distribution of Observed Asteroid Occultations

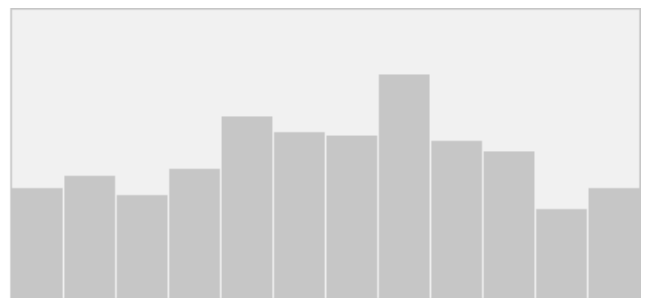
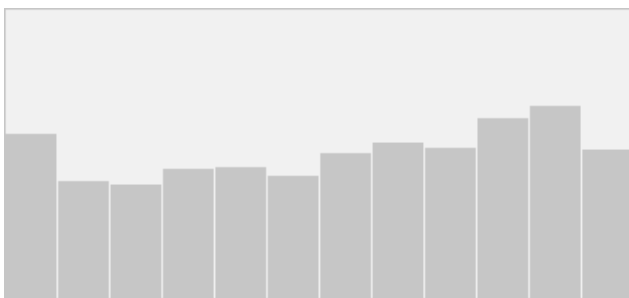
J. Broughton 2015-02-04



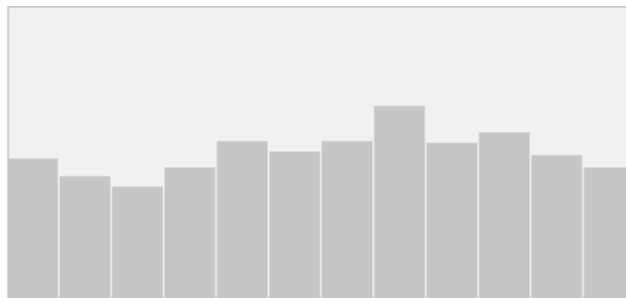
644 North American events 2007-2014



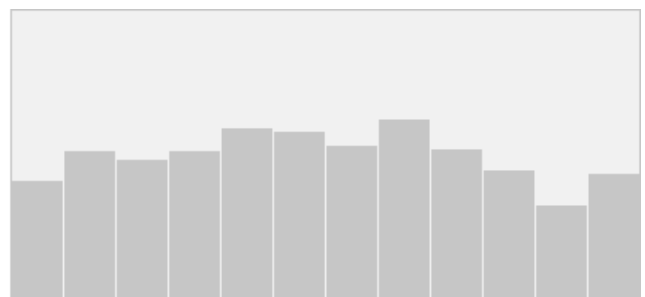
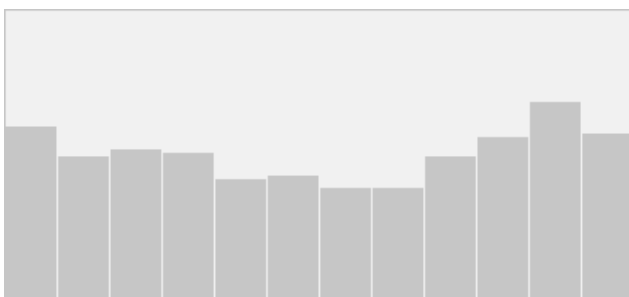
518 Australasian events 1998-2014



Distributions corrected for annual mean number of hours of darkness.



This is a merging of the North American and Australasian tallies to create a latitude-neutral distribution. The peak in August occurs when the galactic centre (where occultations are most common) are well placed in the evening sky.



Here, the star-field variations derived in the merged graph have been removed from the regional distributions to reveal the remaining variations as a separate entity. There are fewer than average occultations in Summer in their respective hemispheres. If not a climatic signature, a possible source of the deficiency is the low altitude of opposition at that time of year.