Longitude Clues Worksheet 2011 Using Sunrise Clues to Estimate Longitude



Mystery Class #:		Longitude
 Write the time of suni prime meridian. 	ne prime meridian at 0 norning of March 20, 201 ch at 6:04 UT. Greenwich on the map. rise at Greenwich beside	
2. Record sunrise time for Look up the sunrise time for table. Remember: Universa	r this Mystery Class on th	
Place of Sunrise	Greenwich, England	Mystery Class #:
Time of Sunrise (UT)	6:04 March 20	
3. Is the Mystery Class e The Earth spins to the east. east of Greenwich; a location Greenwich. Sunrise at this I sunrise at Greenwich, so I keenwich.	A location with sunrise ton with sunrise after Gree Mystery Class occurred	ime <i>before</i> Greenwich is enwich is <i>west</i> of (before/after)
4. How much time betwe The length of time between Greenwich is hours and subtraction or addition equa too.)	sunrise at this Mystery (I minutes. (Caution:	Class and sunrise at This may not be a simple
5. For how many minutes The Earth will spin for i Class location and the time answer in #4 above to minu	minutes between the time the sun rises at Greenwi	e sun rises at this Mystery
6. How many degrees lor The Earth spins 1 degree lo of this Mystery Class to be:	ngitude every 4 minutes.	I estimate the longitude