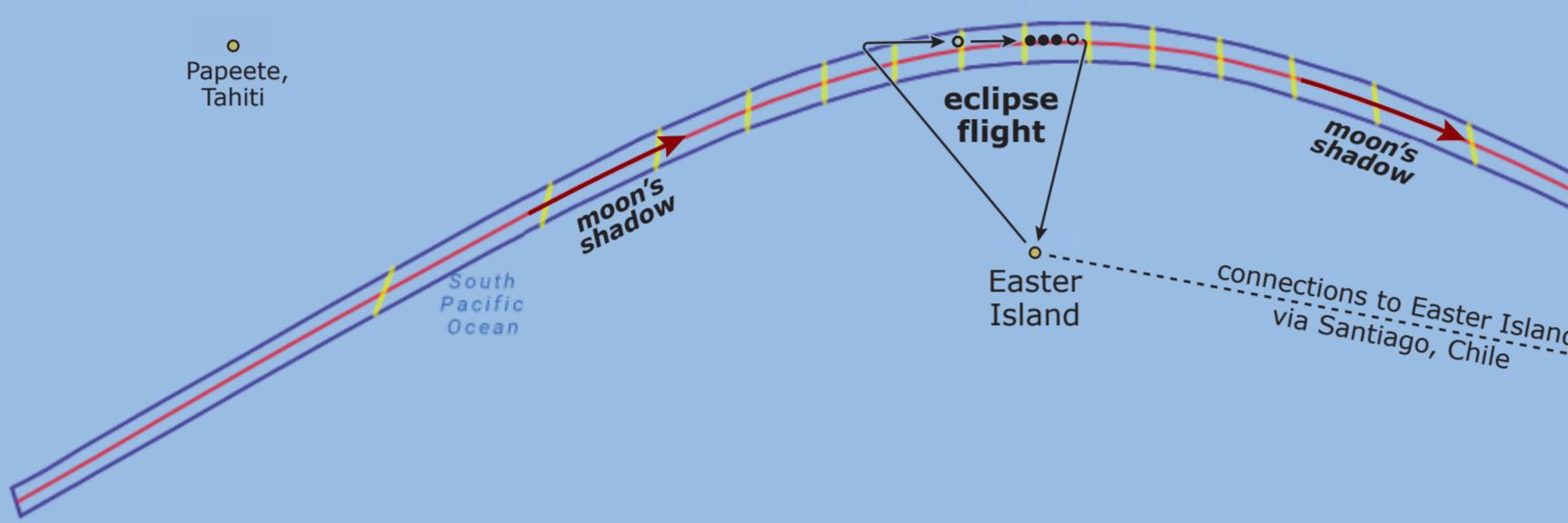


## Total solar eclipse flight 2019 July 2 Tuesday

- 8+ minutes of totality on LATAM Boeing 787-9 airborne-intercept charter flight from Easter Island back to Easter Island.
- West-to-east travel of aircraft on the eclipse path will lengthen totality from otherwise maximum of 4m33.0s for a stationary observer on surface of the ocean below.
- We will use the sun-facing left-side windows for eclipse viewing: 14 windows assigned to left-side seat rows 1-5 in business class, and 29 left-side window seats in economy rows 12-28, 31-40 and 42-43. Compared to a "normal" complement of 304 passengers, the EFLIGHT 2019-MAX cabin will be largely empty and uncrowded with plenty of room for eclipse viewers.
- Anticipated duration of flight will be 4h15m.
- Transportation to and from Easter Island will be via Santiago, Chile on any regularly scheduled daily commercial flights of participants' choosing on LATAM, the Chilean airline – allowing Easter Island touring before and/or after our moonshadow rendezvous.



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For additional details see: [www.tinyurl.com/EFLIGHT2019A](http://www.tinyurl.com/EFLIGHT2019A)  
[www.tinyurl.com/EFLIGHT2019B](http://www.tinyurl.com/EFLIGHT2019B)  
[www.tinyurl.com/EFLIGHT2019C](http://www.tinyurl.com/EFLIGHT2019C)



Eclipse predictions by Fred Espenak, NASA/GSFC Emeritus

Eclipse flight intercept planning and computations by G. Schneider

Airborne intercept graphics and text © 2019 John Beattie

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Blue path of totality shown here is for sea level. Points B C D E F, the "totality run", show Dreamliner's intercept along eclipse path at 41,000-feet altitude, displaced 5.7 nm north from the sea-level path centerline (red) because sun is almost exactly due north at 49.6 degrees elevation. Aircraft's mid-intercept at point D is at location of maximum duration along the eclipse path: 4 minutes 33 seconds on surface of the ocean below, but more than 8 minutes aloft because of the jetliner's eastbound speed = 488 knots.

