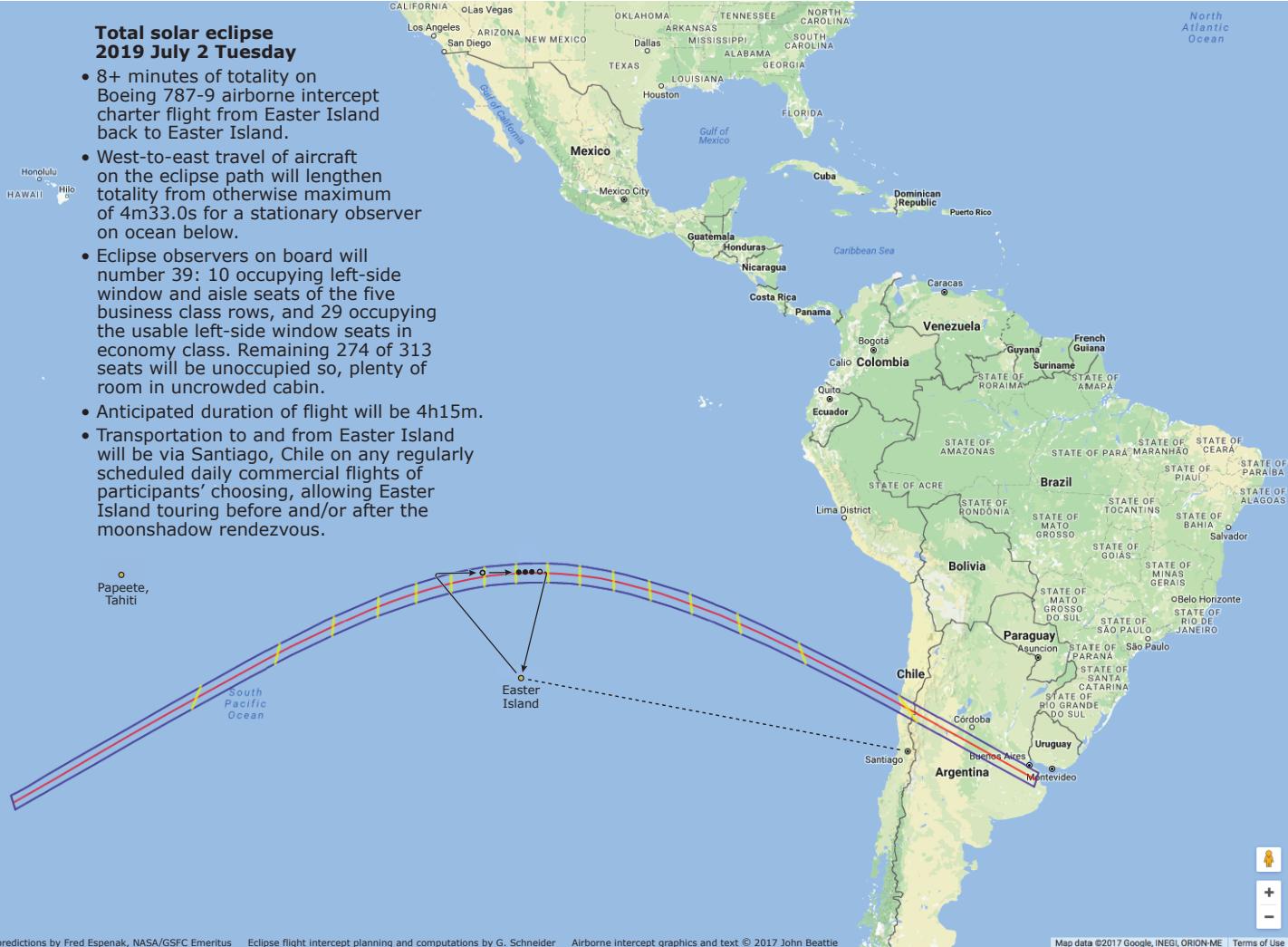


Total solar eclipse 2019 July 2 Tuesday

- 8+ minutes of totality on 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 ocean below.
- Eclipse observers on board will number 39: 10 occupying left-side window and aisle seats of the five business class rows, and 29 occupying the usable left-side window seats in economy class. Remaining 274 of 313 seats will be unoccupied so, plenty of room in uncrowded cabin.
- 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, allowing Easter Island touring before and/or after the moonshadow rendezvous.



Eclipse predictions by Fred Espenak, NASA/GSFC Emeritus Eclipse flight intercept planning and computations by G. Schneider Airborne intercept graphics and text © 2017 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 aircraft's intercept along eclipse path at 37,000-feet altitude, displaced 5.2 nm north from the sea-level path centerline (red) because sun is almost exactly due north at 49.6 degrees elevation. Our mid-intercept at point D is at location of maximum duration along the eclipse path.

