

# EFLIGHT 2021 December 04 Saturday

**T.E.I. Tours & Travel, Tim Todd – [tei@teiglobal.com](mailto:tei@teiglobal.com)  
total solar eclipse airborne intercept flights in two  
chartered LATAM B787-8's...1m52s in lunar umbra**



**A**

**– Now in 2022 –  
Congratulations to T.E.I. on this grand  
success, in triumph over the pandemic!**

Noting T.E.I.'s 2+ years of work overcoming innumerable obstacles, especially covid obstacles, to conduct this sole airborne observation of TSE 2021 anywhere worldwide...

- A** Punta Arenas airport (PUQ) 53.00s 70.85w: B787-8 Plane "Blue" wheels-up 03:53 UTC = 12:53am local, then Plane "Gold" wheels-up 03:56 UTC
- B** totality run start (TRSTART) 06:24:10 UTC 52.27s 40.45w
- C** mid-eclipse intercept (MEI) 07:03:30 UTC\* 56.16s 45.24w
- D** totality run end (TREND) 07:09:30 UTC 56.70s 46.09w
- E** "Gold" wheels-down at PUQ 09:23 UTC = 06:23am local, then "Blue" at 09:33 UTC  
\* +/- 3 seconds

...with nearly 100 participants proudly telling family, friends, and colleagues about having joined this unique adventure!

488 knots cruise

"buffer" circle

"Blue"  
41,000 ft

"Gold"  
40,000 ft

447  
knots

**B**

three  
course  
corrections  
so the wing's  
upward flex  
blocked view  
from fewer  
windows

**C**

totality  
1m52s  
at solar  
elevation  
4.7 degrees

this chart shows  
eclipse path at sea  
level, whereas T.E.I.'s  
two airliners intercepted  
at 41,000 feet and  
40,000 feet altitude  
where the path is offset  
– i.e. location of MEI,  
point C, was actually  
much closer to the  
centerline at altitude  
than it appears here