

RE- Calculation of Air Events (AE) Charter TSE2015 EFLIGHTs
Totality Runs (TRs): Time-Correlated Waypoints given ISAVIA Constarints
 Prepared by: Dr. Glenn Schneider, 18 Mar 2015 (Revision 5) - UPDATE

Herein the Totality Run (set of three time-correlated waypoints) for the AE/DUS-ER1 A320-200 and AE/ZRH-ER2 A320-200 flights are identically defined, *but*, AE/DUS-ER1 will be at FL350 whereas AE/ZRH-ER2 will be at FL340 (i.e. "altitude stacked" by -1,000 ft).

N.B: Prior revision indicated WP3 UTC for AE/ZRH-ER2 as 09:43:33 but *should be* (corrected here) 09:43:30.

Totality Runs (TRs): Time-Correlated Waypoints

	AE/DUS-TQ B737-800 ISAVIA EAST TRACK	AE/DUS-ER1 A320-200 ISAVIA WEST TRACK	AE/ZRH-ER2 A320-200 ISAVIA WEST TRACK
FLIGHT LEVEL	35,000 ft	35,000 ft	34,000 ft
TRUE AIRSPEED	447.4 nm/hr (M 0.78)	458.9 nm/hr (M 0.80)	458.9 nm/hr (M 0.80)
WIND VECTOR	No Wind	No Wind	No Wind
UTC MID-ECLIPSE	09:43:30 UTC	09:43:30 UTC	09:43:30 UTC
WP1 - Start TR	Lat: 62.38980N Lon: 8.77900W UTC: 09:34:30	Lat: 62.68587N Lon: 9.60026W UTC: 09:34:30	Lat: 62.68587N Lon: 9.60026W UTC: 09:34:30
WP3 - Mid-Totality	Lat: 63.21889N Lon: 7.155562W UTC: 09:43:30	Lat: 63.52258N Lon: 7.88489W UTC: 09:43:30	Lat: 63.52258N Lon: 7.88489W UTC: 09:43:30
WP5 - End TR	Lat: 63.76078N Lon: 6.02115W UTC: 09:49:30	Lat: 64.06838N Lon: 6.68503W UTC: 09:49:30	Lat: 64.06838N Lon: 6.68503W UTC: 09:49:30
TOTALITY DURATION	3m 42.7s	3m 45.7s	3m 45.6s
MID-ECLIPSE:			
Sun Altitude	19.0 deg	18.5 deg	18.5 deg
Sun Azimuth	133.6 deg	133.0 deg	133.0 deg