

		Wieslaw							C182S	TAS [kts]	VAR: 3°E			
									HB—TDR	120 (90)				
Waypoint	TC	MC	Dist.	Altitude	EET	Wind		MH	GS	EET	ETO	ATO	Notes	
LSGE														
ZB W	050	047	13	4500	© 9+5									
Koppigen	027	024	19		10									
Sumiswald	140	137	9		5									
Spiez	187	184	20		10									
Gastlosen	247	244	18	6500	© 12								Chateau-d'Oex 130.055	
Gibloux	304	301	14	4000	7									
LSGE		VAC	5	3300	3+5									
			98		66									
Circuits		V	30		15+5									
LSGN		VAC	20	2500	10+5									
			50		35									

TOD:

- 120kts (2NM/min) 500 ft/min (children -12: 300)
3deg makes descent rate = GS x5
- 1NM attitude change
- 2NM speed decrease
- (2NM approach check (if needed))

Fuel	Fuel consumption: 13 USG/h			
	No wind		Wind	
	time	fuel [USG]	time	fuel [USG]
Trip:	1 :06	15	:	
Alternate:	0 :35	8	:	
Reserve:	0 :45	10	:	
Unusable:		4	:	
Minimum fuel:		37	:	
Extra +5%:		2	:	
Ramp fuel:		39	:	

Fuel	Unusable	Usable	Total
Tank #1	2 USG	39 USG	41 USG
Tank #2	2 USG	0 USG	2 USG

Mass and balance	Mass [lbs]	Arm [in]	Moment [in lbs]
Dry+Empty (2020-04-01)	1974		75174
Front	352	37	13024
Rear #1	198	74	14652
Luggage #1	11	97	1067
Luggage #2	0	116	0
Luggage #3	0	129	0
Unusable fuel #1=2USG	11.99	46.5	557.535
Unusable fuel #2=2USG	11.99	46.5	557.535
ZeroFuel		min=40.9	
	2558.98	41.045	105032.07
	MLdgW=2950	max=46	
Fuel #1=39USG	233.823	46.5	10872.77
Fuel #2	0	46.5	0
TakeOff		min=40.9	
	2792.803	41.501	115904.84
	MTOW=3100	max=46	

1 USG = 3.785 l

1 l Avgas = 0.72 kg

1 Imp.G = 4.55 l

1 USG Avgas = 6 lbs