

Analysis	Value	Analysis	Value
PILOT	GOUDRIAAN Laurens	CRUISING - NET HEIGHT LOSS	
Glider ID	HM	Net cruise height gain/loss	-40387 ft
Glider	ASW22BLE	Total cruise time	208.6 mins
Class	OPN	Net cruise climb rate	-1.9 knots
Flight Date (IGC)	28/12/01	Average cruise end altitude	8007 ft
Takeoff time	12:00:18 UTC+2	Average cruise height loss	-1168 ft
Start Time	12:55:18 UTC+2	Average cruise speed	105 knots
Finish time	17:36:36 UTC+2	FINAL GLIDE	QNH
Landing time	17:37:30 UTC+2	Initial altitude	9196 ft
LOGGER		Finish line altitude	3658 ft
Max Sample Rate	10 secs	Landing altitude	3596 ft
Min Sample Rate	2 secs	Final glide distance	53 km
Average Sample Rate	6 secs	Average speed	105 knots
Fix Count/(Invalid Fix Count)	3516 (24)	Glide Angle	32 : 1
TASK START - INITIAL GLIDE	QNH	START LINE / FINISH LINE	
Start altitude	7861 ft	Net height difference	-4203 ft
First thermal entry altitude	6877 ft	TASK DISTANCES / Assigned Areas	
Net glide height gained/lost	-984 ft	Total cruise distance	679 km
Average ground speed	118 knots	Total circling flight distance	138 km
Distance	16 km	Total distance flown	816 km
CIRCLING - THERMALS		Designated Time Distance	593.0 km
Number of thermals	30	Completed Task Distance	629.1 km
Average thermal entry speed	70 knots	Designated Time Speed	131.8 kph
Average thermal exit speed	66 knots	Completed Task Speed	134.2 kph
CIRCLING - HEIGHT GAINED		TIME IN HEIGHT BAND	MINUTES %
Thermal climb height gained	37841 ft	0000 - 1000 ft	0.0 0%
Total thermal climb time	66.0 mins	1000 - 2000 ft	0.0 0%
Average thermal climb rate	5.7 knots	2000 - 3000 ft	0.0 0%
Average speed in climb	61 knots	3000 - 4000 ft	1.8 1%
Approximate circling distance in climb	125 km	4000 - 5000 ft	1.6 1%
CIRCLING - HEIGHT LOST		5000 - 6000 ft	2.4 1%
Thermal sink height lost	-1650 ft	6000 - 7500 ft	49.1 17%
Total thermal sink time	6.8 mins	7500 - 10000 ft	219.3 78%
Average thermal sink rate	-2.4 knots	10000 - 15000 ft	7.2 3%
Average speed in sink	62 knots		
Approximate circling distance in sink	13 km		
CIRCLING - NET HEIGHT GAIN			
Net circling height gain/loss	36191 ft		
Total circling time	72.8 mins		
Average thermal climb rate	5.0 knots		
Average circling speed	61 knots		
CRUISING - HEIGHT GAINED			
Cruise climb height gain	46348 ft		
Total cruise climb time	56.1 mins		
Average cruise climb rate	8.3 knots		
Average cruise climb speed	95 knots		
Cruise climb distance	164 km		
CRUISING - HEIGHT LOST			
Cruise sink height loss	-86736 ft		
Total cruise sink time	152.5 mins		
Average cruise sink rate	-5.7 knots		
Average cruise sink speed	109 knots		
Cruise sink distance	515 km		
		Tp Name	Latitude Longitude
		Str SB1 B1 START	2550.000S 02526.300E
		T1 PUD PUDIMOE	2723.417S 02442.667E
		T2 PIE PIET PLESSIS	2608.000S 02424.833E
		T3 GAN GANYESA	2635.500S 02410.167E
		T4 MMD MMA DAM	2551.400S 02530.510E
		Fin FIN FINISH LINE	2548.769S 02532.425E