

Analysis	Value	Analysis	Value
PILOT	GILL SPRECKLEY	CRUISING - NET HEIGHT LOSS	
Glider ID	59	Net cruise height gain/loss	-33648 ft
Glider	LS 8	Total cruise time	181.8 mins
Class	STD	Net cruise climb rate	-1.9 knots
Flight Date (IGC)	26/11/02		
Takeoff time	12:29:35 UTC+2	Average cruise end altitude	12428 ft
Start Time	12:55:51 UTC+2	Average cruise height loss	-1349 ft
Finish time	16:42:47 UTC+2	Average cruise speed	100 knots
Landing time	16:47:57 UTC+2		
LOGGER		FINAL GLIDE	QNH
Max Sample Rate	12 secs	Initial altitude	12772 ft
Min Sample Rate	2 secs	Finish line altitude	8438 ft
Average Sample Rate	6 secs	Landing altitude	4101 ft
Fix Count/(Invalid Fix Count)	2676 (0)	Final glide distance	40 km
		Average speed	107 knots
		Glide Angle	30 : 1
TASK START - INITIAL GLIDE	QNH	START LINE / FINISH LINE	
Start altitude	10604 ft	Net height difference	-2165 ft
First thermal entry altitude	10906 ft		
Net glide height gained/lost	302 ft	TASK DISTANCES	
Average ground speed	100 knots	Total cruise distance	563 km
Distance	3 km	Total circling flight distance	94 km
		Total distance flown	657 km
CIRCLING - THERMALS		Task distance set	535.5 km
Number of thermals	23	Task average speed	141.60 kph
Average thermal entry speed	74 knots		
Average thermal exit speed	73 knots	TIME IN HEIGHT BAND	MINUTES %
		0000 - 1000 ft	0.0 0%
CIRCLING - HEIGHT GAINED		1000 - 2000 ft	0.0 0%
Thermal climb height gained	32352 ft	2000 - 3000 ft	0.0 0%
Total thermal climb time	43.7 mins	3000 - 4000 ft	0.0 0%
Average thermal climb rate	7.4 knots	4000 - 5000 ft	0.0 0%
Average speed in climb	67 knots	7500 - 10000 ft	15.0 7%
Approximate circling distance in climb	91 km	10000 - 15000 ft	198.2 87%
		15000 - 20000 ft	13.8 6%
CIRCLING - HEIGHT LOST			
Thermal sink height lost	-814 ft		
Total thermal sink time	1.5 mins		
Average thermal sink rate	-5.4 knots		
Average speed in sink	71 knots		
Approximate circling distance in sink	3 km		
CIRCLING - NET HEIGHT GAIN			
Net circling height gain/loss	31539 ft		
Total circling time	45.2 mins		
Average thermal climb rate	7.0 knots		
Average circling speed	67 knots		
CRUISING - HEIGHT GAINED			
Cruise climb height gain	68153 ft		
Total cruise climb time	84.9 mins		
Average cruise climb rate	8.0 knots		
Average cruise climb speed	92 knots		
Cruise climb distance	242 km		
CRUISING - HEIGHT LOST			
Cruise sink height loss	-101801 ft		
Total cruise sink time	96.9 mins		
Average cruise sink rate	-10.5 knots		
Average cruise sink speed	107 knots		
Cruise sink distance	321 km		
		Tp Name	Latitude Longitude
		Str U\$1 Tswalu	2713.500S 02228.660E
		T1 U\$4 REIVILO	2734.649S 02410.989E
		T2 U\$3 GRIQUASTAD	2850.660S 02315.330E
		Fin U\$1 Tswalu	2713.500S 02228.660E