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Note: No Performance Correction Factors used from published figures

		User Entered			
		From Planning Manual			
Depart			NSFA		
Destination			YSNF		
Route Distance		GNM	1449		
ZFW	TOTAL	lbs	14840		
Fuel Load		Litres	5036	= US Gallons	1330
		Fuel SG	0.78		
		lbs	8660		
Ramp Weight		lbs	23500		
Fuel Used		Start	0		
		Taxi	0		
		Takeoff	0		
INITIAL SEGMENT					
Distance		To Position	KILAN		
		GNM	292	To start of next Altitude Change	
Flight Fuel	Initial Climb	Start Weight	23500		
		Start Alt	0		
		Finish Alt	28000		
		Temp Variation	+10		
		Wind Component	-50		
		Time	20		
		Fuel Used	820		
		Distance (ANM)	107		
		GNM	90		
	Cruise	Distance	202		
		Wind Component	-50	Cruise MZW Check	TOPC 22598
		Temp Variation	+10		End Cruise 21549
		Cruise Mach	0.62		MZW 22073
		EMZW	22258		Error -185
		Fuel Flow	1550		
		TAS	378	Time Interval	57 minutes
		Time in Cruise	37	Elapsed Time	57 minutes
		Fuel in Cruise	954	Fuel Remaining at	KILAN 6709 if VFR used
MID SEGMENT 1					
Distance		To Position	APASI		
		GNM	209	To start of next Altitude Change	
Flight Fuel	Altitude Change	Start Weight	21549		
		Start Alt	28000		
		Finish Alt	28000		
		Temp Variation	+10		
		Wind Component	-50		
		Time	0		
		Fuel Used	0		
		Distance (ANM)	0		
		GNM	0		
	Cruise	Distance	209		
		Wind Component	-50	Cruise MZW Check	End Alt. Change 21549
		Temp Variation	+10		End Cruise 20482
		Cruise Mach	0.62		MZW 21015
		EMZW	21112		Error -96
		Fuel Flow	1501		
		TAS	373	Time Interval	39 minutes
		Time in Cruise	39	Elapsed Time	96 minutes
		Fuel in Cruise	970	Fuel Remaining at	APASI 5642 if VFR used
MID SEGMENT 2					
Distance		To Position	DOLSI		
		GNM	513	To start of next Altitude Change	
Flight Fuel	Altitude Change	Start Weight	20482		
		Start Alt	28000		
		Finish Alt	28000		
		Temp Variation	+10		
		Wind Component	-50		
		Time	0		

Cruise	Fuel Used	0				
	Distance (ANM)	0				
	GNM	0				
	Distance	513				
	Wind Component	-50		Cruise MZW Check	End Alt. Change	
	Temp Variation	+10			20482	
	Cruise Mach	0.59			End Cruise	
	EMZW	19409			17952	
	Fuel Flow	1390			MZW	
	TAS	360			19217	
	Time in Cruise	99			Error	
Fuel in Cruise	2300			-192		
			Time Interval	99	minutes	
			Elapsed Time	195	minutes	
			Fuel Remaining at	DOLSI	3112	if VFR used

MID SEGMENT 3							
Distance	To Position	LPSD					
	GNM	32	To start of next Altitude Change				
Flight Fuel	Altitude Change	Start Weight	17952				
		Start Alt	28000				
		Finish Alt	28000				
		Temp Variation	+10				
		Wind Component	-50				
		Time	0				
		Fuel Used	0				
		Distance (ANM)	0				
		GNM	0				
		Cruise	Distance	32			
			Wind Component	-50		Cruise MZW Check	End Alt. Change
Temp Variation	+10				17952		
Cruise Mach	0.58				End Cruise		
EMZW	17885				17798		
Fuel Flow	1326				MZW		
TAS	354				17875		
Time in Cruise	6				Error		
Fuel in Cruise	140				-10		
				Time Interval	6	minutes	
				Elapsed Time	201	minutes	
			Fuel Remaining at	LPSD	2958	if VFR used	

FINAL SEGMENT							
Distance	To Position	YSNF					
	GNM	403					
Flight Fuel	Altitude Change	Start Weight	17798				
		Start Alt	28000				
		Finish Alt	28000				
		Temp Variation	+10				
		Wind Component	-50				
		Time	0				
		Fuel Used	0				
		Distance (ANM)	0				
		GNM	0				
		Cruise	Distance	354			
			Wind Component	-50		Cruise MZW Check	End Alt. Change
Temp Variation	+10				17798		
Cruise Type	0.57				End Cruise		
EMZW	17058				16149		
Fuel Flow	1259				MZW		
TAS	347				16974		
Time in Cruise	71				Error		
Fuel in Cruise	1500				-84		
Descent to Destination	Start Alt		28000				
	Finish Alt		0				
	Wind Component	-50					
	Time	11					
	Fuel Used	114		Time Interval	82	minutes	
	Distance (ANM)	58		Elapsed Time	284	minutes	
GNM	49		Fuel Remaining at	YSNF	1183	if VFR used	

Fuel Used	Approach	0
	Landing	0

ARRIVAL FUEL 1183

NOTES
 EMZW checks use average TAS 380 & 23 lb per minute
 $TAS = 38.975 \times \text{Mach Number} \times \text{Square Root of Absolute Temperature (Where Absolute Temperature } ^\circ K = SAT \text{ } ^\circ C + 273.15)$

DIVERSIONS FROM LPSD

FINAL SEGMENT		To Position	YSNF
Distance		GNM	403
Flight Fuel	Altitude Change	Start Weight	17798
		Start Alt	28000
		Finish Alt	10000
		Temp Variation	+10
		Wind Component	-30
		Time	7
		Fuel Used	72
		Distance (ANM)	44
		GNM	41
	Cruise	Distance	350
Wind Component		-20	
Temp Variation		+10	
Cruise Type		0.43	
EMZW		17056	
Fuel Flow		1407	
TAS		280	
Time in Cruise		81	
	Fuel in Cruise	1896	
Descent to Destination	Start Alt	10000	
	Finish Alt	0	
	Wind Component	-20	
	Time	4	
	Fuel Used	42	
	Distance (ANM)	14	
	GNM	13	

Cruise MZW Check	End Alt. Change	17719
	End Cruise	15634
	MZW	16676
	Error	-379

Time Interval	92	minutes
Elapsed Time	293	minutes
Fuel Remaining at	YSNF	747 if VFR used

Fuel Used	Approach	0
	Landing	0

ARRIVAL FUEL 747

FINAL SEGMENT		To Position	NFFN
Distance		GNM	495
Flight Fuel	Altitude Change	Start Weight	17798
		Start Alt	28000
		Finish Alt	10000
		Temp Variation	+10
		Wind Component	30
		Time	7
		Fuel Used	72
		Distance (ANM)	44
		GNM	47.5
	Cruise	Distance	432
Wind Component		20	
Temp Variation		+10	
Cruise Type		0.43	
EMZW		16981	
Fuel Flow		1407	
TAS		280	
Time in Cruise		87	
	Fuel in Cruise	2030	
Descent to Destination	Start Alt	10000	
	Finish Alt	0	
	Wind Component	20	
	Time	4	
	Fuel Used	42	
	Distance (ANM)	14	
	GNM	15	

Cruise MZW Check	End Alt. Change	17719
	End Cruise	15487
	MZW	16603
	Error	-378

Time Interval	98	minutes
Elapsed Time	299	minutes
Fuel Remaining at	NFFN	601 if VFR used

Fuel Used	Approach	0
	Landing	0

ARRIVAL FUEL 601