



# Ulster Flying Club Navigation Plog

RADIO AIDS	Frequency	Frequency
BEL	117.20	.....
IOM	112.20	.....
TRN	117.50	.....
HB	420	.....
OY	332	.....

RADIO FREQUENCIES	Frequency
Newtownards Radio	128.305
Belfast City Approach	130.850
Aldergrove Approach	128.500
Aldergrove Tower	118.300
Enniskillen Radio	123.205

CRUISE CHECKS	Description
F	Fuel
R	Radio
E	Engine
D	Direction
A	Altitude

POSITION REPORT	Description
	Callsign
	Position & Time
	Altitude
	Next Waypoint
	Next Estimate

FROM	TO	MSA	PLANNED ALTITUDE	TRUE TRACK	WIND	TRUE HEADING	VARIATION	MAGNETIC HEADING	AIRSPEED	GROUND SPEED	DISTANCE	TIME	ETA	ATA	REMARKS

**AVIATE - NAVIGATE - COMMUNICATE**

**EMERGENCY - SQUAWK 7700 - FREQUENCY 121.500**

TOTAL:

> > > TO ENROUTE FUEL > > >

**DIVERSION**


**ALTERNATE**


**NOTES**

TOTAL:

> > TO ALTERNATE FUEL > >

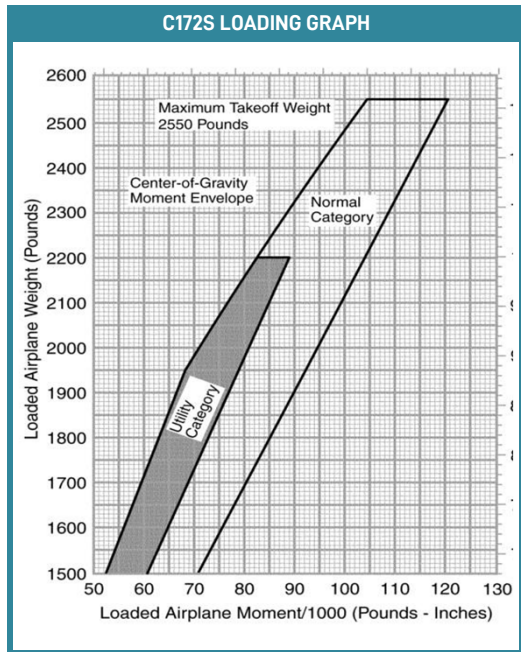
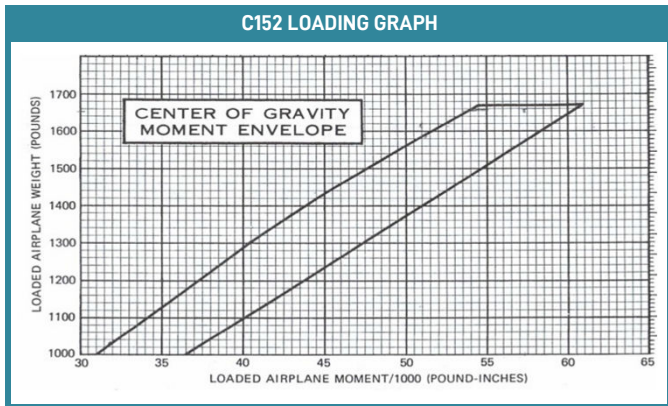
FUEL PLAN			
FUEL FLOW: (PER HOUR)		TIME	QUANTITY USG [ ] LTR [ ]
TRIP	TAXI		
	+ TAKE-OFF & CLIMB		
	+ ENROUTE		
	= TOTAL TRIP (PLANNED FUEL USED ON LANDING)		
RESERVES	+ ALTERNATE		
	+ HOLDING		
TOTALS	= FUEL REQUIRED		
	FUEL ON BOARD (TIME IS ENDURANCE)		
MAX	MAXIMUM FUEL (FROM MASS & BALANCE)		

FUEL DATA	
Fuel consumption <i>(worst case estimate)</i>	
Cessna 152	6.2 usg/hr 23 l/hr
Cessna 172	9.2 usg/hr 35 l/hr
Maximum usable fuel	
Cessna 152	24.5 usg 91 l
Cessna 152 (long range)	37.5 usg 142 l
Cessna 172	53 usg 201 l
<i>UFC advisory for holding fuel is 45 minutes</i>	

UNITS
1 usg = 3.8 ltr
1 kg = 2.2 lbs
AVGAS:
1 ltr = 1.58 lbs
1 usg = 6 lbs

### NOTES & CLEARANCES

MASS & BALANCE			
	MASS	ARM	MOMENT
BASIC EMPTY MASS		X	=
+ PILOTS		X	=
+ PASSENGERS		X	=
+ FRONT BAGGAGE		X	=
+ REAR BAGGAGE		X	=
= ZERO FUEL MASS		X	=
+ FUEL		X	=
= TAKEOFF MASS		X	=
- FUEL BURN (TRIP FUEL)		X	=
= LANDING MASS		X	=



PERFORMANCE	
TAKEOFF DISTANCE REQUIRED (1.33)	
LANDING DISTANCE REQUIRED (1.43)	

<b>MAXIMUM TAKEOFF MASS &amp; MAXIMUM LANDING MASS</b>	<b>1670 LBS</b>	<b>Cessna 152</b>
	<b>2550 LBS</b>	<b>Cessna 172</b>