135 AIRCRAFT REFUELING, DEFUELING, AND FUEL DISTRIBUTION WORKSHEET

REFUELING RECORD

AIRCRAFT SERIAL NUMBER	DATE OF REFUEL	NAME OF REFUEL SUPERVISOR	PIT/TRUCK NUMBER

BLOCK I

FORWARD BODY	
1	LBS
2	LBS
3	LBS

NO 1 RESERVE		NO 1 MAIN		NO 2 MAIN		CENTER WING		NO 3 MAIN		NO 4 MAIN		NO 4 RESERVE	
1	LBS	1	LBS	1	LBS	1	LBS	1	LBS	1	LBS	1	LBS
2	LBS	2	LBS	2	LBS	2	LBS	2	LBS	2	LBS	2	LBS
3	LBS	3	LBS	3	LBS	3	LBS	3	LBS	3	LBS	3	LBS

AFT BODY	
1	LBS
2	LBS
3	LBS
UPPER DECK	
1	LBS
2	LBS
3	LBS

BLOCK II

READINGS AND COMPUTATIONS	VALUES DETERMINED
1. GALLONS AFTER REFUELING	
2. GALLONS BEFORE REFUELING	
3. GALLONS DIFFERENCE (Line 1 - Line 2)	
4. UNUSABLE FUEL IN GALLONS FOR EMPTY AIRPLANE (See Note 3)	
5. GALLONS DIFFERENCE (Line 3 - Line 4)	
6. FUEL DENSITY (Pounds per gallon)	
7. POUNDS DELIVERED (Line 5 x Line 6)	
8. TOTALIZER READING BEFORE REFUELING	
9. TOTAL POUNDS IN TANK (Line 7 + Line 8)	
10. TOTALIZER READING AFTER REFUELING	
11. ACTUAL DIFFERENCE (Line 9 - Line 10)	
13. ALLOWABLE DIFFERENCE	± 4000 LBS

NOTE

1. Keep this form with AFTO Form 781 until signed by Aircraft Exceptional Release Authority.
2. This form will be returned to Maintenance Office prior to flight and retained for 72 hours.
3. BLOCK II, Line 4 is for unusable fuel when filling an airplane completely empty of fuel. See T.O. 1C-135-5-1 for quantities.

BLOCK I LEGEND

Line 1 - Enter scheduled fuel load.

Line 2 - Enter fuel gage reading after servicing.

Line 3 - Enter fuel gage check reading at preflight inspection. (Launch Crew Supervisor)

REFUEL SUPERVISOR'S SIGNATURE/GRADE (Serviced)		LAUNCH CREW SUPERVISOR'S SIGNATURE/GRADE (Verified)		EXCEPTIONAL RELEASE AUTHORITY SIGNATURE/GRADE (Reviewed)	
ORGANIZATION	DATE	ORGANIZATION	DATE	ORGANIZATION	DATE

DEFUELING RECORD

AIRCRAFT SERIAL NUMBER	DATE OF DEFUEL	NAME OF DEFUEL SUPERVISOR	PIT/TRUCK NUMBER

NOTE

1. Keep this form with AFTO Form 781 until signed by Aircraft Exceptional Release Authority.
2. This form will be returned to Maintenance Office prior to flight and retained for 72 hours.
3. For rapid defuel method for F108 use 850 pounds per hour, for all others use 1500 pounds per hour consumed by operating engine.

BLOCK III

FORWARD BODY	
1	LBS
2	LBS
3	LBS

BLOCK III LEGEND

Line 1 - Enter scheduled fuel load.

Line 2 - Enter fuel gage reading after defueling or redistribution.

Line 3 - Enter fuel gage check reading at preflight inspection. (Launch Crew Supervisor)

NO 1 RESERVE		NO 1 MAIN		NO 2 MAIN		CENTER WING		NO 3 MAIN		NO 4 MAIN		NO 4 RESERVE	
1	LBS	1	LBS	1	LBS	1	LBS	1	LBS	1	LBS	1	LBS
2	LBS	2	LBS	2	LBS	2	LBS	2	LBS	2	LBS	2	LBS
3	LBS	3	LBS	3	LBS	3	LBS	3	LBS	3	LBS	3	LBS

AFT BODY	
1	LBS
2	LBS
3	LBS

UPPER DECK	
1	LBS
2	LBS
3	LBS

BLOCK IV

DEFUELING SOURCE FLOWMETER	
READINGS AND COMPUTATIONS	TANKS PARTIALLY DEFUELED
1. GALLONS AFTER DEFUELING	
2. GALLONS BEFORE DEFUELNG	
3. GALLONS DIFFERENCE	
4. FUEL DENSITY (Pounds Per Gallons)	
5. POUNDS DEFUELED (Line 3 x Line 4)	
6. TOTAL READING BEFORE DEFUELING	
7. TOTAL POUNDS DEFUELED (Column A)	
8. TOTAL POUNDS IN TANK (Line 6 - Line7)	

BLOCK V

PARTIALLY FILLED TANKS		
READINGS AND COMPUTATIONS	GAGE READING BEFORE DEFUEL B	GAGE READING AFTER DEFUEL
FORWARD BODY TANK		
CENTER WING TANK		
AFT BODY TANK		
UPPER DECK TANK		
RESERVE WING TANK		
NO 2 AND 3 MAINS		
NO 1 AND 4 MAINS		
TOTAL		
TOTAL POUNDS DEFUELED (Column B minus Column C)		
POUNDS DEFUELED (Column A) (see also Note 3)		
ACTUAL DIFFERENCE (Total pounds defueled - pounds defueled (±))		
ALLOWABLE DIFFERENCE		± 4000 LBS

DEFUEL SUPERVISOR'S SIGNATURE/GRADE (Serviced)		LAUNCH CREW SUPERVISOR'S SIGNATURE/GRADE (Verified)		EXCEPTIONAL RELEASE AUTHORITY SIGNATURE/GRADE (Reviewed)	
ORGANIZATION	DATE	ORGANIZATION	DATE	ORGANIZATION	DATE