

# intercept profile

STANDARD DAY  
Model: F-86F  
Engine: J47-27

Data as of: 31 October 1956.  
BASED ON: FLIGHT TEST

CLEAN

TAKE-OFF GROSS WEIGHT: 15,138 LB

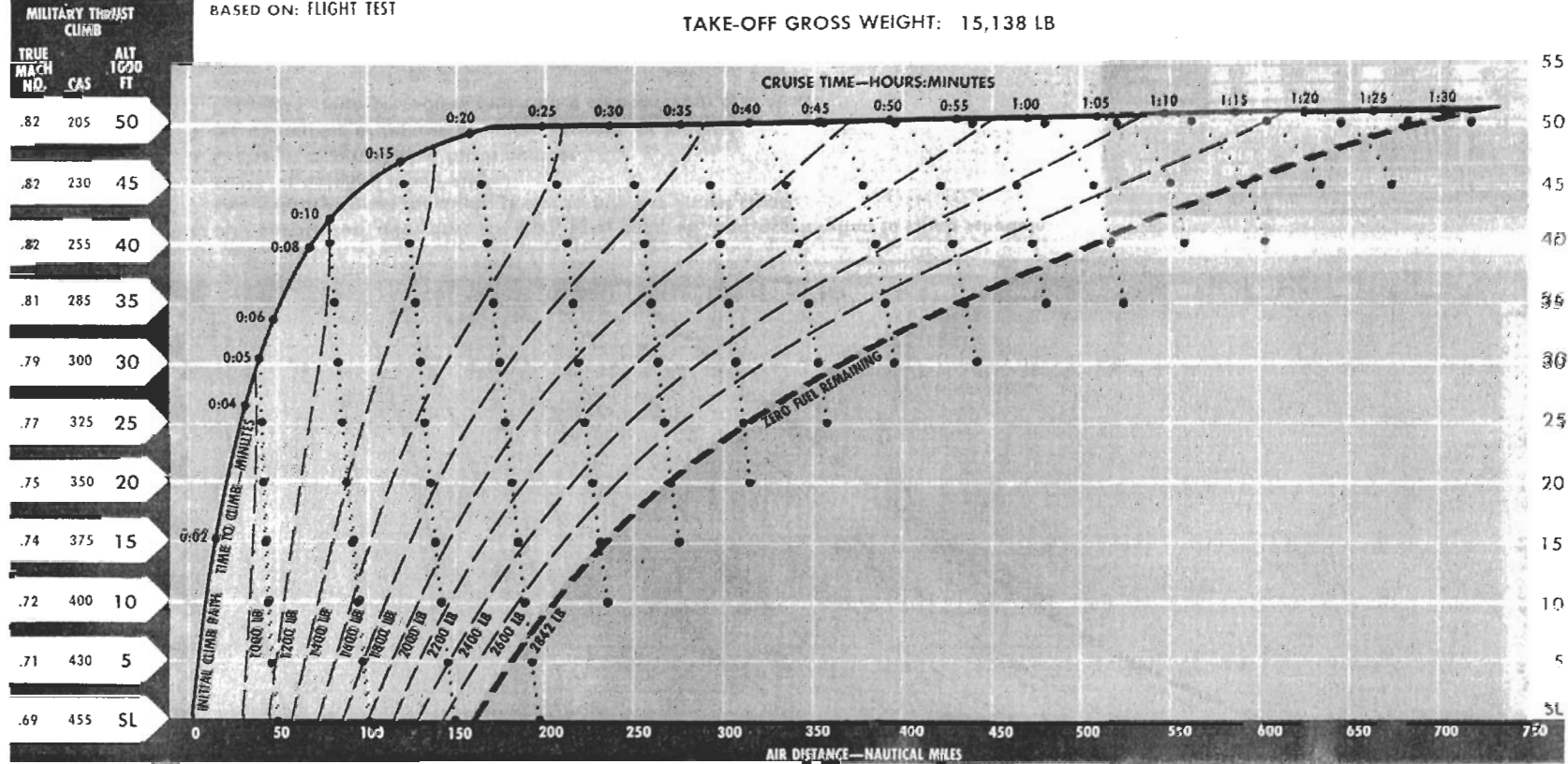


Figure A-15

- REMARKS:**
1. 600 pounds fuel allowance for start, taxi, and take-off included.
  2. Use Military Thrust for climb. (See Military Thrust climb chart for detailed information.)
  3. Cruise at Maximum Continuous Thrust. (Observe recommended exhaust gas temperature limits.)
  4. No allowance or reserve for loiter, descent, or landing.

**LEGEND:**

- Fuel consumed
- ..... Time (start, taxi, and take-off not included)
- Maximum Continuous Thrust cruise-climb path

ALTITUDE FEET	% RPM	APPROXIMATE			
		TRUE MACH NO.	CAS	TAS	LB/HR
CRUISE-CLIMB	.96	.81	—	465	1200-1100
45,000		.88-.89	240-245	510-515	1600
40,000		.90	280	520	2000
35,000		.91	315	525	2450
30,000		.91	350	535	3050
25,000		.91	385	545	3700
20,000		.90	425	555	4400
15,000		.90	465	565	5200
10,000		.90	505	575	6150
5,000		.89	550	585	7200
SEA LEVEL		.89	590	590	8350