

<i>GROUPS</i>	Target	Assigned Mission	Aborted Unauth.	Bombs on Target (%)	Returns Repairable	Crew Lost	Individual Results
400 <sup>th</sup>	Bayreuth	14	2	6.8	12	6	33.3%
800 <sup>th</sup>	Bayreuth	13	0	11.9	10	33	7.7%
Wing Total		27	2	9.3	22	39	20.0%

Bombs on Target	9.3 Percent	Fair
B17 Survival Expectation	11.2 Missions	Good
Crew Survival Expectation	8.6 Missions	Fair
Individual Results	20.0 Percent	Draw

**Marginal Luftwaffe Victory**

SQUADRONS		Assigned Mission	Aborted Unauth.	Bombs on Target (%)	Returns Repairable	Crew Lost	Individual Result
<b>400<sup>th</sup></b>							
Ten Angels	B-17G	Y	N	20	Y	0	Win
No Offense	B-17G	Y	Y				
Big Time Operator	B-17G	Y	N	30	Y	0	Win
Aluminum Overcast	B-17G	Y	Y				
Rigg's Rig	B-17G	Y	N	0	Y	1	Draw
<i>400<sup>th</sup> Total</i>		5	2	10.0	3	1	66.7%
<b>401<sup>st</sup></b>							
Ed's Gang	B-17G	Y	N	5	Y	0	Draw
Thumper	B-17G	Y	N	0	Y	0	Draw
Sky Avenger	B-17G	Y	N	20	Y	0	Win
Bloody Angel	B-17G	Y	N	20	Y	0	Win
Jigglin Jamie	B-17G	N					
<i>401<sup>st</sup> Total</i>		4	0	11.3	4	0	50.0%
<b>402<sup>nd</sup></b>							
Pony Boy	B-17G	Y	N	0	Y	0	Draw
Mic Y Fin	B-17G	Y	N	0	Y	0	Draw
Red Hot Skillet Licker	B-17G	Y	N	0	Y	0	Draw
Blue Ridge Heaven	B-17G	Y	N	0	Y	2	Draw
Sultan's Delight	B-17G	Y	N	0	Y	3	Draw
<i>402<sup>nd</sup> Total</i>		5	0	0.0	5	5	0.0%
<b>Group Total</b>		<b>14</b>	<b>2</b>	<b>6.8</b>	<b>12</b>	<b>6</b>	<b>33.3%</b>

Zone: 10

Target: Bayreuth

Bombs on Target:	6.8 Percent	Fair
B17 Survival Expectation:	25.0 Missions	Superb
Crew Survival Expectation:	25.0 Missions	Superb
Individual Results:	33.3 Percent	Win

**Substantive 8th AF Victory**

SQUADRONS		Assigned Mission	Aborted Unauth.	Bombs on Target (%)	Returns Repairable	Crew Lost	Individual Result
<b>403<sup>rd</sup></b>							
Green Eyes	B-17G	Y	N	30	Y	0	Win
Sassy Sadie	B-17G	Y	N	0	Y	0	Draw
Windy City	B-17G	Y	N	5	Y	0	Draw
October Monday	B-17G	Y	N	30	N	10	Loss
Crushing Avenger	B-17G	N					
<i>403<sup>rd</sup> Total</i>		4	0	16.3	3	10	0.0%

<b>804<sup>th</sup></b>							
Spirit of 1776	B-17G	N					
Wrath of God	B-17G	Y	N	5	Y	1	Draw
Bell of the Brawl	B-17G	Y	N	0	Y	1	Draw
Geordie Lass	B-17G	Y	N	40	Y	0	Win
Damn Yankee	B-17G	Y	N	0	Y	1	Draw
<i>804<sup>th</sup> Total</i>		4	0	11.3	4	3	25.0%

<b>805<sup>th</sup></b>							
Hard Eight	B-17G	Y	N	0	N	10	Loss
Last Call	B-17G	Y	N	5	N	10	Loss
Spirit of Hal	B-17G	Y	N	0	Y	0	Draw
Lucky Duck	B-17G	Y	N	20	Y	0	Win
Hammer	B-17G	Y	N	20	Y	0	Win
<i>805<sup>th</sup> Total</i>		5	0	9.0	3	20	0.0%

Group Total		13	0	11.9	10	33	7.7%
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Zone: 10 Target: Bayreuth

Bombs on Target	11.9 Percent	Fair
B17 Survival Expectation	5.8 Missions	Poor
Crew Survival Expectation	5.3 Missions	Poor
Individual Results	7.7 Percent	Draw

**Substantive Luftwaffe Victory**

## Analysis Notes

The analysis is based on the criteria in section 7.0 of the rules, "How to Win."

### Victory Conditions

Listed as "Individual Result" on the spreadsheet, a crew records a Win if their bomb run is On Target, and the aircraft is fit for further missions. A Loss is recorded if the aircraft cannot fly further missions. Any other outcome is a Draw.

The standard for the Group is based on considering an individual win as +1, an individual draw as zero, and an individual loss as -1. The Group has a win if the average of these values exceeds half the standard deviation. The Group has a Loss if the crews have more losses than wins. Any other result is a Draw. For the purpose of calculating an overall result for the group, +1 point is awarded for a win, and -1 point is awarded for a loss. Zero points are awarded for a draw.

Crews and aircraft that do not fly, for whatever reason, do not affect this determination.

### Bomb Run Result

The average bomb run percentage ("BOT Pct") for all crews assigned to the mission, including those that do not fly ("Abort Unauth.") is calculated and compared to the chart in section 7.3. For the purpose of calculating an overall mission result for the group, +1.5 points are awarded for an Excellent result, +0.5 for Good, -0.5 for Fair, and -1.5 for Poor.

### B-17 and Crew Survival Expectation

A B-17 and a Crew Member loss rate per zone are each calculated. The reciprocal of this rate is the most likely number of zones a B-17 or Crew Member could expect to survive. This is converted to an expected number of missions based on the weighted average target distance of 7.44 zones in the "Queen in Germany" variant. The results are compared to the chart in section 7.3. For both B-17 Survival and Crew Survival, when calculating an overall mission result for the group, +2 points are awarded for an Superb result, +1 for Excellent, zero for Good, -1 for Fair, and -2 points for Poor.

Crews and aircraft that do not fly, for whatever reason, do not affect this determination.

### Overall Group Result

While all these criteria might be measuring the same thing (e.g., if the Luftwaffe does well, there will probably be more individual losses than wins, a low bomb run average, and poor survival expectations), the two survival expectations are probably most closely related. Thus, the points for the two survival expectations are averaged, then added to the sum of points for Individual Results and Bomb Run Results. Totals between -1 and +1 indicate a Draw. The 8th Air Force wins with totals +1 or greater, while the Luftwaffe wins with results -1 or less. Because my youth was spent playing SPI games, victories are Marginal with totals from +/- 1 to +/- 2, Substantive with totals from +/- 2 to +/- 3, and Decisive with totals from +/- 3 or beyond.