

## Glide Ratios - AZHPA Sites (Altitudes and distances acquired from Google Earth)

Greyed cells are calculated, do not change. All other cells can have values changed.

|                      |              | Launch   | Climb above | LZ       | Altitude | Distance | Desired Ht | Glide |
|----------------------|--------------|----------|-------------|----------|----------|----------|------------|-------|
| Launch               | LZ           | Altitude | Launch by   | Altitude | Change   | (Miles)  | Over LZ    | Ratio |
| Mingus               | Airport      | 7815     |             | 3500     | 4315     | 5.0      | 0          | 6.1   |
| Mingus               | Airport      | 7815     |             | 3500     | 4315     | 5.0      | 500        | 6.9   |
| Mingus               | Airport      | 7815     |             | 3500     | 4315     | 5.0      | 1500       | 9.4   |
| Mingus               | Bailout      | 7815     |             | 3800     | 4015     | 3.6      | 500        | 5.4   |
| Mingus               | Bailout      | 7815     |             | 3800     | 4015     | 3.6      | 0          | 4.7   |
| Mingus               | 10th St      | 7815     |             | 3300     | 4515     | 6.3      | 0          | 7.4   |
| Mingus               | 10th St      | 7815     |             | 3300     | 4515     | 6.3      | 500        | 8.3   |
| Mingus               | 10th St      | 7815     |             | 3300     | 4515     | 6.3      | 1000       | 9.5   |
| Mingus Airport       | 10th St      | 3500     | 1500        | 3300     | 1700     | 1.4      | 300        | 5.3   |
| Mingus Airport       | 10th St      | 3500     | 1500        | 3300     | 1700     | 1.4      | 500        | 6.2   |
| Shaw Butte           | 7th Ave park | 2100     |             | 1310     | 790      | 0.9      | 0          | 6.0   |
| Shaw Butte           | 7th Ave park | 2100     |             | 1310     | 790      | 0.9      | 300        | 9.7   |
| Humbolt              | Horseshoe    | 5175     |             | 2080     | 3095     | 4.5      | 0          | 7.7   |
| Humbolt              | Horseshoe    | 5175     |             | 2080     | 3095     | 4.5      | 500        | 9.2   |
| Humbolt              | Wash Bailout | 5175     |             | 2080     | 3095     | 3.0      | 0          | 5.1   |
| South Mt South       | Desert LZ    | 2590     |             | 1440     | 1150     | 0.7      | 0          | 3.2   |
| South Mt South       | Desert LZ    | 2590     |             | 1440     | 1150     | 0.7      | 300        | 4.3   |
| South Mt South       | School       | 2590     |             | 1370     | 1220     | 1.1      | 0          | 4.8   |
| South Mt South       | School       | 2590     |             | 1370     | 1220     | 1.1      | 500        | 8.1   |
| South Mt South       | Cart Track   | 2590     | 500         | 1515     | 1575     | 1.8      | 300        | 7.5   |
| South Mt South       | Cart Track   | 2590     | 500         | 1515     | 1575     | 1.8      | 500        | 8.8   |
| South Mt South       | Cart Track   | 2590     | 800         | 1515     | 1875     | 1.8      | 300        | 6.0   |
| South Mt South       | Cart Track   | 2590     | 800         | 1515     | 1875     | 1.8      | 500        | 6.9   |
| South Mt South       | Tbirds Golf  | 2590     | 500         | 1300     | 1790     | 2.0      | 300        | 7.1   |
| South Mt South       | Tbirds Golf  | 2590     | 500         | 1300     | 1790     | 2.0      | 500        | 8.2   |
| South Mt South       | Tbirds Golf  | 2590     | 800         | 1300     | 2090     | 2.0      | 300        | 5.9   |
| South Mt South       | Tbirds Golf  | 2590     | 800         | 1300     | 2090     | 2.0      | 500        | 6.6   |
| SM North (East-most) | Cart Track   | 2280     |             | 1515     | 765      | 0.7      | 0          | 4.8   |
| SM North (East-most) | Cart Track   | 2280     |             | 1515     | 765      | 0.7      | 300        | 7.9   |
| SM North (East-most) | Tbirds Golf  | 2280     | 500         | 1300     | 1480     | 2.3      | 300        | 10.3  |
| SM North (East-most) | Tbirds Golf  | 2280     | 1000        | 1300     | 1980     | 2.3      | 500        | 8.2   |
| Dobbins              | Tbirds Golf  | 2270     |             | 1300     | 970      | 1.0      | 0          | 5.4   |
| Dobbins              | Tbirds Golf  | 2270     |             | 1300     | 970      | 1.0      | 300        | 7.9   |
| Dobbins              | Tbirds Golf  | 2270     |             | 1300     | 970      | 1.0      | 500        | 11.2  |
| Dobbins              | Bailout      | 2270     |             | 1300     | 970      | 0.8      | 0          | 4.4   |
| Dobbins              | Bailout      | 2270     |             | 1300     | 970      | 0.8      | 300        | 6.3   |

## Feet descended per Mile at different Glide Ratios

(Rounded to the nearest 5 feet)

| Feet | Miles | Glide Ratio |
|------|-------|-------------|
| 1050 | 1.0   | 5.0         |
| 875  | 1.0   | 6.0         |
| 750  | 1.0   | 7.0         |
| 660  | 1.0   | 8.0         |
| 585  | 1.0   | 9.0         |
| 530  | 1.0   | 10.0        |
| 480  | 1.0   | 11.0        |
| 440  | 1.0   | 12.0        |
| 405  | 1.0   | 13.0        |
| 375  | 1.0   | 14.1        |
| 350  | 1.0   | 15.1        |
| 330  | 1.0   | 16.0        |

### Rule(s) of thumb:

1) A 1,000 ft descent in a mile is between a 5 and 6 to 1 glide

2) A 500 ft descent in a mile is twice the ratio to between a 10 and 11 to 1 glide.

Reference Only  
Document. Accuracy  
of values is not  
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