

RELOADING RECIPES - RIFLE

223 PSA 18"

Powder: H Performance **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-----|-------|---------|--------|------|------|----------|--------|
| N/A | 2685.5 | 2748.64 | 63.17 | 2729.0 | 20.51 | 1240.1 | 2.250 | 1.837 | | 1.755 | 0.992 | -0.497 | 10 | 74 | 08/18/19 | #165 |
| N/A | 2702.0 | 2750.26 | 47.87 | 2732.2 | 15.35 | 0.0 | 2.250 | 1.837 | | 1.755 | 0.992 | -0.497 | 7 | 74 | 08/18/19 | #167 |
| N/A | 2702.1 | 2732.27 | 30.16 | 2719.7 | 11.13 | 1231.6 | 2.250 | 1.837 | | 1.755 | 0.992 | -0.497 | 6 | 63 | 09/28/19 | #235 |

JP Super Match barrel

2727.0

Vortex Diamond Back @ 12x

* Rated 200 FPS faster than **Labrador**

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| N/A | 2575.44 | 2627.99 | 51.54 | 2603.1 | 18.53 | 1128.3 | 2.238 | 1.845 | 0.120 | 1.755 | 0.992 | -0.509 | 10 | 63 | 09/28/19 | #234 |
| N/A | 2567.61 | 2666.51 | 98.6 | 2599.7 | 3515 | 1125.3 | 2.250 | 1.845 | 0.120 | 1.755 | 0.992 | -0.497 | 6 | 63 | 09/28/19 | #236 |
| N/A | 2604.42 | 2667.48 | 63.07 | 2635.8 | 21.16 | 1156.8 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 10 | 59 | 10/18/19 | #259 |
| N/A | 2603.96 | 2666.22 | 62.26 | 2631.5 | 22.81 | 1153.0 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 10 | 59 | 10/18/19 | #263 |

JP Super Match barrel

2617.5

Vortex Diamond Back @ 12x

Labrador

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| N/A | 2683.85 | 2732.84 | 48.99 | 2716.5 | 28.27 | 1228.7 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 3 | 44 | 02/27/21 | 638 |
| N/A | 2672.71 | 2724.31 | 51.6 | 2699.4 | 24.24 | 1213.3 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 4 | 47 | 03/07/21 | 645 |
| N/A | 2696.25 | 2726 | 29.75 | 2711.1 | 21.04 | 1223.9 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 2 | 47 | 03/07/21 | 648 |
| N/A | 2696.14 | 2723.02 | 26.88 | 2712.3 | 11.5 | 1224.9 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 4 | 47 | 03/07/21 | 653 |

JP Super Match barrel

2709.8

Vortex Diamond Back @ 12x

Labrador

Powder: Factory (Match) **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| N/A | 2647.34 | 2687.13 | 39.78 | 2671.5 | 16.15 | 1188.4 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 5 | 43 | 11/30/21 | 802 |
| N/A | 2654.81 | 2693.81 | 39 | 2676.4 | 15.45 | 1192.7 | 2.247 | 1.845 | 0.120 | 1.755 | 0.992 | -0.500 | 5 | 43 | 11/30/21 | 803 |

JP Super Match barrel

2674.0

Vortex Diamond Back @ 12x

Labrador

Powder: Fed Gold SMK **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** SMK 77

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-----|-------|---------|--------|------|------|----------|--------|
| N/A | 2481.12 | 2513.86 | 32.74 | 2492.8 | 10.1 | 1062.3 | 2.246 | 1.870 | | 1.755 | 0.992 | -0.501 | 10 | 63 | 09/28/19 | #240 |
| N/A | 2467.76 | 2513.15 | 45.4 | 2494.0 | 14.13 | 1063.3 | 2.246 | 1.870 | | 1.755 | 0.992 | -0.501 | 10 | 63 | 09/28/19 | #241 |

JP Super Match barrel

2493.4

Vortex Diamond Back @ 12x

Labrador

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|--------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| 21.0 | 2385.82 | 2418.88 | 33.06 | 2408.44 | 10.39 | 965.8 | | | | 1.755 | 0.992 | -2.747 | 10 | 60 | 10/06/19 | #251 |
| 21.3 | 2416.02 | 2467.19 | 51.17 | 2452.39 | 15.06 | 1001.4 | | | | 1.755 | 0.992 | -2.747 | 10 | 60 | 10/06/19 | #252 |
| 21.6 | 2361.12 | 2750.67 | 289.55 | 2497.61 | 98.49 | 1038.7 | | | | 1.755 | 0.992 | -2.747 | 10 | 60 | 10/06/19 | #253 |
| 21.9 | 2523.95 | 2543 | 19 | 2530.00 | N/A | 1065.8 | | | | 1.755 | 0.992 | -2.747 | 5 | 60 | 10/06/19 | #254 |
| 22.2 | 2536.17 | 2567.98 | 31.82 | 2554.66 | 13.2 | 1086.7 | | | | 1.755 | 0.992 | -2.747 | 8 | 60 | 10/06/19 | #255 |
| 22.4 | 2561.98 | 2636.13 | 74.15 | 2597.08 | 26.18 | 1123.1 | 2.250 | 1.865 | 0.100 | 1.755 | 0.992 | -0.497 | 10 | 59 | 10/18/19 | #260 |
| 22.5 | 2581.51 | 2663.51 | 82 | 2618.66 | 25.36 | 1141.8 | 2.258 | 1.860 | 0.105 | 1.755 | 0.992 | -0.489 | 10 | 59 | 10/18/19 | #257 |
| 22.5 | 2594.28 | 2643.34 | 49.06 | 2622.33 | 19.71 | 1145.0 | 2.258 | 1.860 | 0.105 | 1.755 | 0.992 | -0.489 | 8 | 59 | 10/18/19 | #262 |
| 22.6 | 2587.29 | 2656.06 | 68.78 | 2626.84 | 19.27 | 1148.9 | 2.258 | 1.864 | 0.101 | 1.755 | 0.992 | -0.489 | 10 | 59 | 10/18/19 | #258 |
| 22.6 | 2602.19 | 2696.5 | 94.32 | 2632.63 | 28.65 | 1154.0 | 2.258 | 1.864 | 0.101 | 1.755 | 0.992 | -0.489 | 9 | 59 | 10/18/19 | #261 |

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| 23.7 | 2712 | 2761.05 | N/A | 2732.44 | 71.46 | 1243.2 | 2.235 | 1.846 | 0.119 | 1.755 | 0.992 | -0.512 | 10 | 74 | 08/18/19 | #166 |
| 23.7 | 2711.58 | 2759.12 | 47.54 | 2740.06 | 14.54 | 1250.1 | 2.235 | 1.846 | 0.119 | 1.755 | 0.992 | -0.512 | 9 | 74 | 08/18/19 | #167 |
| 23.7 | 2746.35 | 2789.27 | 42.92 | 2765.1 | 13.67 | 1273.1 | 2.235 | 1.846 | 0.119 | 1.755 | 0.992 | -0.512 | 10 | 63 | 09/28/19 | #233 |
| 23.7 | 2716.48 | 2778.89 | 62.41 | 2751.74 | 17.82 | 1260.8 | 2.235 | 1.846 | 0.119 | 1.755 | 0.992 | -0.512 | 10 | 63 | 09/28/19 | #238 |
| 23.7 | 2695.52 | 2775.78 | 80.26 | 2744.55 | 25.55 | 1254.2 | 2.235 | 1.846 | 0.119 | 1.755 | 0.992 | -0.512 | 9 | 63 | 09/28/19 | #239 |

JP Match barrel installed, 7/11/19

2746.78

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| 23.9 | 2734 | 2819.12 | 85.13 | 2767.65 | 23.78 | 1275.4 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 10 | 63 | 09/28/19 | #232 |
| 23.9 | 2765.12 | 2846.06 | 80.94 | 2784.59 | 23.72 | 1291.1 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 10 | 63 | 09/28/19 | #237 |

JP Match barrel installed, 7/11/19

2776.12

Vortex Diamond Back @ 12x

2-22 collet

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| 23.9 | 2815 | 2839 | 24 | 2824.33 | 12 | 1328.2 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 3 | 30 | 11/27/21 | 788 |
| 23.9 | 2800.07 | 2830.19 | 30.13 | 2813.46 | 12.77 | 0.0 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 5 | 30 | 11/27/21 | 789 |
| 23.9 | 2811.95 | 2847.57 | 35.62 | 2827.85 | 14.57 | 1331.5 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 5 | 30 | 11/27/21 | 790 |

JP Match barrel installed, 7/11/19

2821.88

Vortex Diamond Back @ 12x

2-22 collet

Labrador

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String |
|--------|---------|----------|--------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|
| 23.9 | 2769.25 | 2897.04 | 127.79 | 2822.63 | 52.81 | 1326.6 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 5 | 43 | 11/30/21 | 799 |
| 23.9 | 2775.97 | 2868.95 | 92.98 | 2826.36 | 34.27 | 0.0 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 5 | 43 | 11/30/21 | 800 |
| 23.9 | 2783.3 | 2809.4 | 26.09 | 2797.69 | 13.25 | 1303.3 | 2.245 | 1.850 | 0.115 | 1.755 | 0.992 | -0.502 | 5 | 43 | 11/30/21 | 801 |

JP Match barrel installed, 7/11/19

2815.56

Vortex Diamond Back @ 12x

2-22 collet

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|---------|
| 21.8 | 2653.71 | 2707.49 | 53.78 | 2671.10 | 24.99 | 1188.0 | 2.254 | 1.864 | 0.101 | 1.755 | 0.992 | -0.493 | 4 | 47 | 03/07/21 | 646 | 2103071 |
| 21.8 | 2645.82 | 2717.42 | 71.6 | 2670.70 | 32.7 | 1187.6 | 2.254 | 1.864 | 0.101 | 1.755 | 0.992 | -0.493 | 4 | 47 | 03/07/21 | 649 | 2103071 |
| 21.8 | 2659.01 | 2720.28 | 61.27 | 2683.72 | 30.37 | 1199.2 | 2.254 | 1.864 | 0.101 | 1.755 | 0.992 | -0.493 | 5 | 47 | 03/07/21 | 651 | 2103071 |
| 22.0 | 2685.54 | 2698.27 | 12.73 | 2693.67 | 7.06 | 1208.1 | 2.252 | 1.864 | 0.101 | 1.755 | 0.992 | -0.495 | 3 | 47 | 03/07/21 | 647 | 2103061 |
| 22.0 | 2687.61 | 2717.97 | 30.39 | 2701.40 | 15.47 | 1215.1 | 2.252 | 1.864 | 0.101 | 1.755 | 0.992 | -0.495 | 3 | 47 | 03/07/21 | 650 | 2103061 |
| 22.0 | 2694.05 | 2756.13 | 62.08 | 2725.09 | 43.89 | 1236.5 | 2.252 | 1.864 | 0.101 | 1.755 | 0.992 | -0.495 | 2 | 47 | 03/07/21 | 652 | 2103061 |

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
|--------|---------|----------|--------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|---------|
| 22.0 | 2700.06 | 2746.68 | 46.61 | 2719.00 | 21.47 | 1231.0 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 639 | 2102261 |
| 22.0 | 2700.55 | 2768.08 | 67.53 | 2731.26 | 29.71 | 1242.1 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 642 | 2102261 |
| 22.2 | 2706.78 | 2778.17 | 71.39 | 2756.02 | 29.14 | 1264.7 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 640 | 2102263 |
| 22.2 | 2727.99 | 2790.17 | 62.18 | 2755.04 | 23.9 | 1263.8 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 644 | 2102263 |
| 22.4 | 2714.72 | 2759.43 | 44.71 | 2740.47 | 23.11 | 1250.5 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 3 | 41 | 02/22/21 | 627 | 2101141 |
| 22.4 | 2717.39 | 2779.11 | 61.72 | 2745.09 | 24.7 | 1254.7 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 41 | 02/22/21 | 632 | 2101141 |
| 22.4 | 2726.95 | 2819.29 | 92.34 | 2764.86 | 36.88 | 1272.8 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 41 | 02/22/21 | 633 | 2101141 |
| 22.4 | 2757.77 | 2873.71 | 115.94 | 2797.22 | 45.72 | 1302.8 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 641 | 2102262 |
| 22.4 | 2764.62 | 2841.9 | 80.28 | 2791.02 | 33.64 | 760.9 | 2.250 | 1.860 | 0.105 | 1.755 | 0.992 | -0.497 | 5 | 44 | 02/27/21 | 643 | 2102262 |
| 22.6 | 2748.02 | 2802.16 | 54.14 | 2767.33 | 25.26 | 1275.1 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 4 | 41 | 02/22/21 | 628 | 2101131 |
| 22.6 | 2736.41 | 2768.32 | 31.91 | 2747.33 | 12.78 | 1256.8 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 631 | 2101064 |
| 22.8 | 2748.22 | 2817.23 | 69.01 | 2785.37 | 25.39 | 1291.8 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 629 | 2101063 |
| 22.8 | 2754.82 | 2817.06 | 62.24 | 2773.69 | 25.33 | 1281.0 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 634 | 2101132 |
| 22.8 | 2746.3 | 2822.8 | 76.5 | 2788.40 | 27.57 | 1294.6 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 635 | 2101133 |
| 23.0 | 2777.77 | 2837.4 | 59.62 | 2807.56 | 25.66 | 1312.5 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 630 | 2101061 |
| 23.0 | 2787.82 | 2828.28 | 40.43 | 2807.08 | 16.34 | 1312.0 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 636 | 2101133 |
| 23.0 | 2762.19 | 2827.36 | 65.17 | 2788.13 | 24.11 | 1294.4 | 2.257 | 1.866 | 0.099 | 1.755 | 0.992 | -0.490 | 5 | 41 | 02/22/21 | 637 | 2101062 |

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

RELOADING RECIPES - RIFLE

| Powder: AR-Comp | | | Gun: PSA 223W | | 18" | 1:8 | Case: Hornady | | | Bullet: Hornady BTHP | | | | 75 | D2 L | | 1.965 |
|------------------------------------|---------|----------|---------------|---------|---------------------------|--------|---------------|-------|-------|----------------------|---------|--------|------|------|----------|--------|---------|
| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
| 22.0 | 2675.57 | 2705.77 | 30.2 | 2683.49 | 13.02 | 1199.0 | 2.256 | 1.866 | 0.099 | 1.748 | 0.992 | -0.484 | 5 | 41 | 12/24/21 | 818 | 2112231 |
| 22.0 | 2675.8 | 2705.62 | 29.83 | 2689.12 | 12.28 | 1204.1 | 2.256 | 1.866 | 0.099 | 1.748 | 0.992 | -0.484 | 5 | 41 | 12/24/21 | 822 | 2112231 |
| 22.2 | 2589.47 | 2697.19 | 107.71 | 2655.69 | 57.96 | 1174.3 | 2.256 | 1.865 | 0.100 | 1.748 | 0.992 | -0.484 | 5 | 41 | 12/24/21 | 819 | 2112232 |
| 22.2 | 2683 | 2701.4 | 18.4 | 2691.44 | 9.3 | 1206.1 | 2.256 | 1.865 | 0.100 | 1.748 | 0.992 | -0.484 | 5 | 41 | 12/24/21 | 823 | 2112232 |
| 22.4 | 2708.86 | 2728.94 | 20.08 | 2722.19 | 9.04 | 1233.9 | 2.255 | 1.865 | 0.100 | 1.748 | 0.992 | -0.485 | 5 | 41 | 12/24/21 | 820 | 2112233 |
| 22.4 | 2730.54 | 2753.82 | 23.28 | 2740.80 | 9.6 | 1250.8 | 2.255 | 1.865 | 0.100 | 1.748 | 0.992 | -0.485 | 5 | 41 | 12/24/21 | 824 | 2112233 |
| 22.6 | 2720.22 | 2809.38 | 89.16 | 2756.97 | 37.51 | 1265.6 | 2.255 | 1.865 | 0.100 | 1.748 | 0.992 | -0.485 | 5 | 41 | 12/24/21 | 821 | 2112234 |
| 22.6 | 2739.13 | 2750.29 | 11.16 | 2743.26 | 6.12 | 1253.0 | 2.255 | 1.865 | 0.100 | 1.748 | 0.992 | -0.485 | 5 | 41 | 12/24/21 | 825 | 2112234 |
| JP Match barrel installed, 7/11/19 | | | | | Vortex Diamond Back @ 12x | | | | | | | | | | Labrador | | |

| Powder: AR-Comp | | | Gun: PSA 223W | | 18" | 1:8 | Case: Hornady (New) | | | Bullet: Hornady BTHP | | | 75 | D2 L | 1.965 D2L | | |
|------------------------------------|---------|----------|---------------|---------|---------------------------|--------|---------------------|-------|-------|----------------------|---------|--------|------|------|-----------|--------|---------|
| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
| 22.0 | 2686.01 | 2711.08 | 25.07 | 2696.53 | 10.51 | 1210.7 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 829 | 2201031 |
| 22.0 | 2688.42 | 2707.62 | 19.2 | 2697.20 | 6.94 | 1211.3 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 832 | 2201031 |
| 22.0 | 2686.71 | 2720.16 | 33.46 | 2703.49 | 16.73 | 1217.0 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 835 | 2201031 |
| 22.2 | 2702.49 | 2734.72 | 32.23 | 2724.15 | 13.04 | 1235.6 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 830 | 2201032 |
| 22.2 | 2707.96 | 2767.75 | 59.79 | 2728.92 | 23.2 | 1240.0 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 833 | 2201032 |
| 22.2 | 2718.79 | 2763.83 | 45.04 | 2732.19 | 18.21 | 1242.9 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 836 | 2201032 |
| 22.4 | 2735.94 | 2771.13 | 35.19 | 2751.34 | 13.61 | 1260.4 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 831 | 2201033 |
| 22.4 | 2734.4 | 2777.96 | 43.55 | 2754.86 | 17.31 | 1263.7 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 834 | 2201033 |
| 22.4 | 2720.78 | 2791.79 | 71.01 | 2756.81 | 28.93 | 1265.4 | 2.255 | 1.868 | 0.097 | 1.752 | 0.992 | -0.489 | 5 | 25 | 01/08/22 | 837 | 2201033 |
| JP Match barrel installed, 7/11/19 | | | | | Vortex Diamond Back @ 12x | | | | | | | | | | Labrador | | |

| Powder: AR-Comp | | | Gun: PSA 223W | | 18" | 1:8 | Case: Hornady ** | | | Bullet: Hornady BTHP | | | | 75 | D2 L | | 1.965 D2L | |
|--|---------|----------|---------------|---------|---------------------------|--------|------------------|-------|-------|----------------------|---------|--------|------|------|----------|--------|-----------|--|
| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch | |
| 22.0 | 2696.95 | 2707.88 | 10.93 | 2704.56 | 5.13 | 1217.9 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 4 | 35 | 01/12/22 | 838 | 2201111 | |
| 22.0 | 2688.53 | 2778.13 | 89.6 | 2736.46 | 32.58 | 1246.8 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 840 | 2201111 | |
| 22.0 | 2688.61 | 2761.38 | 72.77 | 2730.48 | 30.16 | 1241.4 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 842 | 2201111 | |
| 22.0 | 2667.4 | 2757.72 | 90.32 | 2707.57 | 40.72 | 1220.6 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 844 | 2201111 | |
| 22.2 | 2697.86 | 2770.02 | 72.17 | 2732.08 | 30.76 | 1242.8 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 839 | 2201112 | |
| 22.2 | 2704.28 | 2750.45 | 46.17 | 2721.56 | 17.49 | 1233.3 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 841 | 2201112 | |
| 22.2 | 2707.62 | 2722.51 | 14.89 | 2712.14 | 7.04 | 1224.8 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 4 | 35 | 01/12/22 | 843 | 2201112 | |
| 22.2 | 2709.36 | 2736.93 | 27.57 | 2718.69 | 10.81 | 1230.7 | 2.255 | 1.868 | 0.097 | 1.748 | 0.992 | -0.485 | 5 | 35 | 01/12/22 | 845 | 2201112 | |
| JP Match barrel installed, 7/11/19 | | | | | Vortex Diamond Back @ 12x | | | | | | | | | | Labrador | | | |
| ** Previously prepped and primed cases, resized with .245 bushing and M-Die @ .222 | | | | | | | | | | | | | | | | | | |

RELOADING RECIPES - RIFLE

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
|--------|---------|----------|-------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|---------|
| 22.8 | 2729.56 | 2799.03 | 69.47 | 2772.21 | 26.79 | 1279.6 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 804 | 2112053 |
| 22.8 | 2729.77 | 2618.64 | 88.87 | 2770.56 | 40.01 | 1278.1 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 808 | 2112053 |
| 23.0 | 2751.13 | 2847.81 | 96.68 | 2797.90 | 41.81 | 1303.4 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 805 | 2112041 |
| 23.0 | 2740.12 | 2780.15 | 40.03 | 2763.51 | 14.64 | 1271.6 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 809 | 2112041 |
| 23.2 | 2799.58 | 2871.18 | 71.59 | 2840.96 | 27.54 | 1343.9 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 806 | 2112051 |
| 23.2 | 2788.23 | 2837.76 | 49.54 | 2808.80 | 23.21 | 1313.6 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 810 | 2112051 |
| 23.4 | 2814.58 | 2870.05 | 55.47 | 2838.96 | 22.65 | 1342.0 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 40 | 12/14/21 | 807 | 2112052 |
| 23.4 | 2798.57 | 2854.91 | 56.34 | 2826.80 | 22.46 | 1330.5 | 2.250 | 1.859 | 0.106 | 1.750 | 0.992 | -0.492 | 5 | 40 | 12/14/21 | 811 | 2112052 |

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador

Powder: AR-Comp **Gun:** PSA 223W 18" 1:8 **Case:** Hornady **Bullet:** Hornady BTHP 75 **D2 L** 1.965

| Weight | FPS Low | FPS High | ES | Average | Std Div | FT/LB | COAL | CBTO | DoL | Case | Bullet" | BSD | RNDS | Temp | Date | String | Batch |
|--------|---------|----------|--------|---------|---------|--------|-------|-------|-------|-------|---------|--------|------|------|----------|--------|---------|
| 22.6 | 2699.13 | 2772.37 | 73.25 | 2733.13 | 26.37 | 1243.8 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 50 | 12/15/21 | 813 | 2112151 |
| 22.6 | 2716.61 | 2790 | 73.39 | 2762.37 | 32.55 | 1270.6 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 5 | 50 | 12/15/21 | 817 | 2112151 |
| 22.8 | 2734.55 | 2764.47 | 29.92 | 2745.10 | 10.65 | 1254.7 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 6 | 50 | 12/15/21 | 812 | 2112053 |
| 23.0 | 2627.88 | 2862.89 | 235.01 | 2776.60 | 80.7 | 1283.7 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 6 | 50 | 12/15/21 | 814 | 2112041 |
| 23.2 | 2803.71 | 2819.11 | 15.4 | 2811.41 | 10.89 | 1316.1 | 2.246 | 1.859 | 0.106 | 1.750 | 0.992 | -0.496 | 2 | 50 | 12/15/21 | 815 | 2112051 |
| 23.4 | 2798.79 | 2861.5 | 62.7 | 2825.04 | 25.85 | 1328.9 | 2.250 | 1.859 | 0.106 | 1.750 | 0.992 | -0.492 | 6 | 50 | 12/15/21 | 816 | 2112052 |

JP Match barrel installed, 7/11/19

Vortex Diamond Back @ 12x

Labrador