



PBS v1.19 2024 Generic Abacus - 308(inch) 175(gr) Bullet - SIERRA HPBT Matchking - Rifle Bore RightTwist 1:10.0 (inch) - Muzzle Speed 800 (m/s) in ICAO Atmosphere - Sight Height : 68.0 (mm) - Ballistic Coefficient in current conditions : G1 0.496 - G7 0.249																							
200 = 5				225 = 7				250 = 10				275 = 12											
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)											
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30								
0	0	-1	-2	0	0	-1	-3	0	0	-1	-3	0	0	-2	-4								
Local Absolute Pressure (hPA)																							
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
Air Temperature (°C)																							
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII								
2								E: 0.0 W: 1.0 AJ: -0.0	E: 0.0 W: 2.0 AJ: -1.0	E: 0.0 W: 2.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -2.0 AJ: 1.0	E: -0.0 W: -2.0 AJ: 1.0	E: -0.0 W: -1.0 AJ: 0.0	E: 0.0 W: -0.0 AJ: 0.0								
								4								E: 0.0 W: 2.0 AJ: -1.0	E: 0.0 W: 4.0 AJ: -1.0	E: 0.0 W: 4.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -4.0 AJ: 1.0	E: -0.0 W: -3.0 AJ: 1.0	E: -0.0 W: -2.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
																E: 0.0 W: 3.0 AJ: -1.0	E: 0.0 W: 5.0 AJ: -2.0	E: 0.0 W: 6.0 AJ: -2.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -6.0 AJ: 2.0	E: -0.0 W: -5.0 AJ: 2.0	E: -0.0 W: -3.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
6																E: 0.0 W: 4.0 AJ: -1.0	E: 0.0 W: 7.0 AJ: -2.0	E: 0.0 W: 8.0 AJ: -2.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -8.0 AJ: 2.0	E: -0.0 W: -6.0 AJ: 2.0	E: -0.0 W: -4.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
								8								E: 0.0 W: 6.0 AJ: -2.0	E: 0.0 W: 9.0 AJ: -3.0	E: 0.0 W: 10.0 AJ: -3.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -10.0 AJ: 3.0	E: -0.0 W: -8.0 AJ: 3.0	E: -0.0 W: -4.0 AJ: 2.0	E: 0.0 W: -0.0 AJ: 0.0
																10							
Spin Drift (click) : 0 Maximum Y (m) : 0.06 At (m) : 125.0 Time to get there (s) : 0.27																							
How to use this Abacus ? Read HowToPBS Abacus.pdf in https://github.com/fabienfigueras/TLD																							

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300 = 15				325 = 17				350 = 20				375 = 23											
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)											
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30								
0	0	-2	-5	0	0	-3	-6	0	0	-3	-7	0	-1	-3	-8								
Local Absolute Pressure (hPA)																							
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863								
0	0	0	0	0	0	0	0	0	0	0	0	0	-1	-1	-1								
Air Temperature (°C)																							
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0								
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0								
0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2								
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII								
2								E: 0.0 W: 2.0 AJ: -0.0	E: 0.0 W: 3.0 AJ: -1.0	E: 0.0 W: 3.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -3.0 AJ: 1.0	E: -0.0 W: -3.0 AJ: 1.0	E: -0.0 W: -2.0 AJ: 0.0	E: 0.0 W: -0.0 AJ: 0.0								
								4								E: 0.0 W: 3.0 AJ: -1.0	E: 0.0 W: 5.0 AJ: -1.0	E: 0.0 W: 6.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -6.0 AJ: 1.0	E: -0.0 W: -5.0 AJ: 1.0	E: -0.0 W: -3.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
																E: 0.0 W: 5.0 AJ: -1.0	E: 0.0 W: 8.0 AJ: -2.0	E: 0.0 W: 9.0 AJ: -2.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -9.0 AJ: 2.0	E: -0.0 W: -8.0 AJ: 2.0	E: -0.0 W: -4.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
6																E: 0.0 W: 7.0 AJ: -1.0	E: 0.0 W: 11.0 AJ: -2.0	E: 0.0 W: 12.0 AJ: -2.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -12.0 AJ: 2.0	E: -0.0 W: -10.0 AJ: 2.0	E: -0.0 W: -6.0 AJ: 1.0	E: 0.0 W: -0.0 AJ: 0.0
								8								E: 0.0 W: 9.0 AJ: -2.0	E: 0.0 W: 14.0 AJ: -3.0	E: 0.0 W: 15.0 AJ: -3.0	E: -1.0 W: 0.0 AJ: -0.0	E: 0.0 W: -15.0 AJ: 3.0	E: -0.0 W: -13.0 AJ: 3.0	E: -0.0 W: -7.0 AJ: 2.0	E: 1.0 W: -0.0 AJ: 0.0
																10							
Spin Drift (click) : -1 Maximum Y (m) : 0.21 At (m) : 179.0 Time to get there (s) : 0.42																							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																							





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600 = 56				625 = 61				650 = 66				675 = 71											
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)											
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30								
0	-2	-9	-19	0	-2	-10	-20	0	-2	-10	-22	0	-3	-11	-24								
Local Absolute Pressure (hPA)																							
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863								
5	4	3	2	1	0	-1	-1	-2	-3	-4	-5	-6	-6	-7	-8								
Air Temperature (°C)																							
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0								
-5	-4	-4	-4	-4	-3	-3	-3	-2	-2	-2	-2	-1	-1	-1	0								
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0								
0	0	0	0	1	1	2	2	2	3	3	4	4	5	5	6								
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0								
7	7	8	9	9	10	11	11	12	13	14	15	16	17	18	19								
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII								
2								E: 0.0 W: 3.0 AJ: -0.0	E: 0.0 W: 6.0 AJ: -1.0	E: 0.0 W: 7.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -7.0 AJ: 1.0	E: -0.0 W: -6.0 AJ: 1.0	E: -0.0 W: -3.0 AJ: 0.0	E: 0.0 W: -0.0 AJ: 0.0								
								4								E: 1.0 W: 7.0 AJ: -1.0	E: 0.0 W: 12.0 AJ: -1.0	E: 0.0 W: 13.0 AJ: -1.0	E: -1.0 W: 0.0 AJ: -0.0	E: 0.0 W: -13.0 AJ: 1.0	E: -0.0 W: -12.0 AJ: 1.0	E: -1.0 W: -7.0 AJ: 1.0	E: 1.0 W: -0.0 AJ: 0.0
																6							
8																							
								10															
																Spin Drift (click) : -2 Maximum Y (m) : 1.58 At (m) : 398.0 Time to get there (s) : 0.95							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																							

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700 = 76				725 = 81				750 = 87				775 = 93											
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)											
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30								
0	-3	-12	-26	0	-3	-13	-27	0	-3	-14	-30	0	-4	-15	-32								
Local Absolute Pressure (hPA)																							
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863								
8	7	5	3	1	0	-1	-3	-4	-5	-7	-8	-9	-10	-11	-13								
Air Temperature (°C)																							
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0								
-8	-7	-7	-6	-6	-6	-5	-5	-4	-4	-3	-3	-2	-2	-1	-1								
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0								
0	0	0	1	1	2	3	3	4	5	6	7	7	8	9	10								
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0								
11	12	13	14	15	17	18	19	20	22	23	24	26	28	29	31								
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII								
2								E: 0.0 W: 4.0 AJ: -0.0	E: 0.0 W: 7.0 AJ: -1.0	E: 0.0 W: 8.0 AJ: -1.0	E: -0.0 W: 0.0 AJ: -0.0	E: 0.0 W: -8.0 AJ: 1.0	E: -0.0 W: -7.0 AJ: 1.0	E: -0.0 W: -4.0 AJ: 0.0	E: 1.0 W: -0.0 AJ: 0.0								
								4								E: 1.0 W: 8.0 AJ: -1.0	E: 1.0 W: 14.0 AJ: -1.0	E: 0.0 W: 16.0 AJ: -1.0	E: -1.0 W: 0.0 AJ: -0.0	E: 0.0 W: -16.0 AJ: 1.0	E: -0.0 W: -14.0 AJ: 1.0	E: -1.0 W: -8.0 AJ: 1.0	E: 1.0 W: -0.0 AJ: 0.0
																6							
8																							
								10															
																Spin Drift (click) : -2 Maximum Y (m) : 2.61 At (m) : 488.0 Time to get there (s) : 1.16							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																							









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1100 = 196				1125 = 206				1150 = 217				1175 = 228																			
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)																			
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30																
0	-9	-35	-72	0	-10	-38	-76	0	-10	-40	-81	0	-11	-42	-85																
Local Absolute Pressure (hPA)																															
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863																
39	30	22	14	6	0	-6	-13	-19	-24	-30	-35	-39	-44	-48	-52																
Air Temperature (°C)																															
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0																
-33	-32	-30	-29	-27	-25	-23	-22	-20	-18	-16	-14	-11	-9	-7	-4																
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0																
-2	0	2	5	8	11	14	17	20	24	27	31	35	39	43	47																
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0																
52	56	61	66	72	77	83	89	96	103	110	117	125	133	142	151																
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII																
2								E: 1.0 W: 8.0 AJ: -0.0	E: 1.0 W: 13.0 AJ: -1.0	E: 0.0 W: 15.0 AJ: -1.0	E: -1.0 W: 0.0 AJ: -0.0	E: 0.0 W: -15.0 AJ: 1.0	E: -1.0 W: -13.0 AJ: 1.0	E: -1.0 W: -8.0 AJ: 0.0	E: 1.0 W: -0.0 AJ: 0.0																
								4								E: 2.0 W: 16.0 AJ: -1.0	E: 1.0 W: 27.0 AJ: -1.0	E: 0.0 W: 31.0 AJ: -1.0	E: -3.0 W: 0.0 AJ: -0.0	E: 0.0 W: -31.0 AJ: 1.0	E: -1.0 W: -26.0 AJ: 1.0	E: -2.0 W: -15.0 AJ: 1.0	E: 3.0 W: -0.0 AJ: 0.0								
																E: 3.0 W: 24.0 AJ: -1.0	E: 2.0 W: 41.0 AJ: -2.0	E: 0.0 W: 46.0 AJ: -2.0	E: -4.0 W: 0.0 AJ: -0.0	E: 0.0 W: -46.0 AJ: 2.0	E: -2.0 W: -40.0 AJ: 2.0	E: -3.0 W: -23.0 AJ: 1.0	E: 4.0 W: -0.0 AJ: 0.0								
																6								E: 5.0 W: 32.0 AJ: -1.0	E: 3.0 W: 54.0 AJ: -2.0	E: 0.0 W: 62.0 AJ: -2.0	E: -5.0 W: 0.0 AJ: -0.0	E: 0.0 W: -62.0 AJ: 2.0	E: -3.0 W: -53.0 AJ: 2.0	E: -4.0 W: -30.0 AJ: 1.0	E: 5.0 W: -0.0 AJ: 0.0
																								8							
10								E: 6.0 W: 40.0 AJ: -2.0	E: 3.0 W: 68.0 AJ: -3.0	E: 0.0 W: 77.0 AJ: -3.0	E: -6.0 W: 0.0 AJ: -0.0	E: 0.0 W: -77.0 AJ: 3.0	E: -3.0 W: -65.0 AJ: 3.0	E: -6.0 W: -37.0 AJ: 2.0	E: 7.0 W: -0.0 AJ: 0.0																
								Spin Drift (click) : -4 Maximum Y (m) : 14.22 At (m) : 922.0 Time to get there (s) : 2.22																							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																															

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1200 = 240				1225 = 252				1250 = 265				1275 = 278																			
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)																			
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30																
0	-12	-45	-90	0	-12	-47	-95	0	-13	-50	-101	0	-14	-53	-106																
Local Absolute Pressure (hPA)																															
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863																
53	41	30	19	9	0	-9	-17	-25	-33	-40	-46	-53	-59	-65	-70																
Air Temperature (°C)																															
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0																
-45	-43	-41	-39	-36	-34	-32	-29	-27	-24	-21	-18	-16	-13	-9	-6																
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0																
-3	0	3	7	11	15	19	23	28	32	37	42	47	53	59	65																
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0																
71	77	84	91	99	106	115	123	132	142	152	162	173	185	197	210																
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII																
2								E: 1.0 W: 9.0 AJ: -0.0	E: 1.0 W: 15.0 AJ: -1.0	E: 0.0 W: 18.0 AJ: -1.0	E: -2.0 W: 0.0 AJ: -0.0	E: 0.0 W: -18.0 AJ: 1.0	E: -1.0 W: -15.0 AJ: 1.0	E: -1.0 W: -9.0 AJ: 0.0	E: 2.0 W: -0.0 AJ: 0.0																
								4								E: 3.0 W: 18.0 AJ: -1.0	E: 2.0 W: 31.0 AJ: -1.0	E: 0.0 W: 35.0 AJ: -1.0	E: -3.0 W: 0.0 AJ: -0.0	E: 0.0 W: -35.0 AJ: 1.0	E: -2.0 W: -30.0 AJ: 1.0	E: -3.0 W: -17.0 AJ: 1.0	E: 3.0 W: -0.0 AJ: 0.0								
																E: 4.0 W: 27.0 AJ: -1.0	E: 2.0 W: 46.0 AJ: -2.0	E: 0.0 W: 53.0 AJ: -2.0	E: -5.0 W: 0.0 AJ: -0.0	E: 0.0 W: -53.0 AJ: 2.0	E: -2.0 W: -45.0 AJ: 2.0	E: -4.0 W: -26.0 AJ: 1.0	E: 5.0 W: -0.0 AJ: 0.0								
																6								E: 6.0 W: 36.0 AJ: -1.0	E: 3.0 W: 62.0 AJ: -2.0	E: 0.0 W: 70.0 AJ: -2.0	E: -6.0 W: 0.0 AJ: -0.0	E: 0.0 W: -70.0 AJ: 2.0	E: -3.0 W: -60.0 AJ: 2.0	E: -5.0 W: -34.0 AJ: 1.0	E: 7.0 W: -0.0 AJ: 0.0
																								8							
10																															
								Spin Drift (click) : -5 Maximum Y (m) : 20.74 At (m) : 1045.0 Time to get there (s) : 2.56																							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																															

**PBS v1.19 2024 Generic Abacus - 308(inch) 175(gr) Bullet - SIERRA HPBT Matchking - Rifle Bore RightTwist 1:10.0 (inch) - Muzzle Speed 800 (m/s) in ICAO Atmosphere - Sight Height : 68.0 (mm) - Ballistic Coefficient in current conditions : G1 0.496 - G7 0.249**

1300 = 291				1325 = 306				1350 = 321				1375 = 336																			
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)																			
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30																
0	-15	-56	-112	0	-15	-59	-118	0	-16	-62	-125	0	-17	-66	-132																
Local Absolute Pressure (hPA)																															
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863																
71	55	40	25	12	0	-11	-23	-33	-43	-52	-61	-69	-77	-85	-92																
Air Temperature (°C)																															
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0																
-59	-57	-54	-51	-48	-45	-42	-39	-35	-32	-28	-25	-21	-17	-13	-8																
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0																
-4	0	4	9	14	20	25	31	37	43	50	57	64	71	79	87																
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0																
95	104	113	123	133	144	155	167	179	192	206	221	236	252	269	288																
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII																
2								E: 2.0 W: 10.0 AJ: -0.0	E: 1.0 W: 17.0 AJ: -1.0	E: 0.0 W: 20.0 AJ: -1.0	E: -2.0 W: 0.0 AJ: -0.0	E: 0.0 W: -20.0 AJ: 1.0	E: -1.0 W: -17.0 AJ: 1.0	E: -2.0 W: -10.0 AJ: 0.0	E: 2.0 W: -0.0 AJ: 0.0																
								4								E: 4.0 W: 20.0 AJ: -1.0	E: 2.0 W: 35.0 AJ: -1.0	E: 0.0 W: 40.0 AJ: -1.0	E: -4.0 W: 0.0 AJ: -0.0	E: 0.0 W: -40.0 AJ: 1.0	E: -2.0 W: -34.0 AJ: 1.0	E: -3.0 W: -20.0 AJ: 1.0	E: 4.0 W: -0.0 AJ: 0.0								
																E: 5.0 W: 30.0 AJ: -1.0	E: 3.0 W: 52.0 AJ: -2.0	E: 0.0 W: 60.0 AJ: -2.0	E: -6.0 W: 0.0 AJ: -0.0	E: 0.0 W: -60.0 AJ: 2.0	E: -3.0 W: -51.0 AJ: 2.0	E: -5.0 W: -29.0 AJ: 1.0	E: 6.0 W: -0.0 AJ: 0.0								
																6								E: 7.0 W: 41.0 AJ: -1.0	E: 4.0 W: 70.0 AJ: -2.0	E: 0.0 W: 80.0 AJ: -2.0	E: -8.0 W: 0.0 AJ: -0.0	E: 0.0 W: -80.0 AJ: 2.0	E: -4.0 W: -68.0 AJ: 2.0	E: -7.0 W: -39.0 AJ: 1.0	E: 8.0 W: -0.0 AJ: 0.0
																								8							
10																															
								Spin Drift (click) : -6 Maximum Y (m) : 29.81 At (m) : 1171.0 Time to get there (s) : 2.92																							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																															

**PBS v1.19 2024 Generic Abacus - 308(inch) 175(gr) Bullet - SIERRA HPBT Matchking - Rifle Bore RightTwist 1:10.0 (inch) - Muzzle Speed 800 (m/s) in ICAO Atmosphere - Sight Height : 68.0 (mm) - Ballistic Coefficient in current conditions : G1 0.496 - G7 0.249**

1400 = 352				1425 = 368				1450 = 386				1475 = 404			
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)			
<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>
0	-18	-69	-139	0	-19	-73	-146	0	-20	-77	-154	0	-21	-81	-161

### Local Absolute Pressure (hPA)

<b>1088</b>	<b>1073</b>	<b>1058</b>	<b>1043</b>	<b>1028</b>	<b>1013</b>	<b>998</b>	<b>983</b>	<b>968</b>	<b>953</b>	<b>938</b>	<b>923</b>	<b>908</b>	<b>893</b>	<b>878</b>	<b>863</b>
94	72	52	33	16	0	-15	-30	-43	-56	-68	-79	-90	-100	-109	-118

### Air Temperature (°C)

<b>57.5</b>	<b>55.0</b>	<b>52.5</b>	<b>50.0</b>	<b>47.5</b>	<b>45.0</b>	<b>42.5</b>	<b>40.0</b>	<b>37.5</b>	<b>35.0</b>	<b>32.5</b>	<b>30.0</b>	<b>27.5</b>	<b>25.0</b>	<b>22.5</b>	<b>20.0</b>
-77	-74	-70	-67	-63	-59	-55	-51	-46	-42	-37	-32	-27	-22	-17	-11
<b>17.5</b>	<b>15.0</b>	<b>12.5</b>	<b>10.0</b>	<b>7.5</b>	<b>5.0</b>	<b>2.5</b>	<b>0.0</b>	<b>-2.5</b>	<b>-5.0</b>	<b>-7.5</b>	<b>-10.0</b>	<b>-12.5</b>	<b>-15.0</b>	<b>-17.5</b>	<b>-20.0</b>
-5	0	6	12	19	26	33	41	49	57	66	75	84	94	104	115
<b>-22.5</b>	<b>-25.0</b>	<b>-27.5</b>	<b>-30.0</b>	<b>-32.5</b>	<b>-35.0</b>	<b>-37.5</b>	<b>-40.0</b>	<b>-42.5</b>	<b>-45.0</b>	<b>-47.5</b>	<b>-50.0</b>	<b>-52.5</b>	<b>-55.0</b>	<b>-57.5</b>	<b>-60.0</b>
126	138	151	164	177	192	207	223	239	257	276	296	317	339	362	387

Wind Speed (m/s) - Wind Direction (hour) ->	I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII
2	E: 2.0 W: 11.0 AJ: -0.0	E: 1.0 W: 19.0 AJ: -1.0	E: 0.0 W: 22.0 AJ: -1.0	E: -2.0 W: 0.0 AJ: -0.0	E: 0.0 W: -22.0 AJ: 1.0	E: -1.0 W: -19.0 AJ: 1.0	E: -2.0 W: -11.0 AJ: 0.0	E: 3.0 W: -0.0 AJ: 0.0
4	E: 4.0 W: 23.0 AJ: -1.0	E: 3.0 W: 39.0 AJ: -1.0	E: 0.0 W: 45.0 AJ: -1.0	E: -5.0 W: 0.0 AJ: -0.0	E: 0.0 W: -45.0 AJ: 1.0	E: -2.0 W: -38.0 AJ: 1.0	E: -4.0 W: -22.0 AJ: 1.0	E: 5.0 W: -0.0 AJ: 0.0
6	E: 6.0 W: 34.0 AJ: -1.0	E: 4.0 W: 59.0 AJ: -2.0	E: 0.0 W: 67.0 AJ: -2.0	E: -7.0 W: 0.0 AJ: -0.0	E: 0.0 W: -67.0 AJ: 2.0	E: -3.0 W: -57.0 AJ: 2.0	E: -6.0 W: -33.0 AJ: 1.0	E: 7.0 W: -0.0 AJ: 0.0
8	E: 8.0 W: 46.0 AJ: -1.0	E: 5.0 W: 79.0 AJ: -2.0	E: 0.0 W: 89.0 AJ: -2.0	E: -9.0 W: 0.0 AJ: -0.0	E: 0.0 W: -89.0 AJ: 2.0	E: -5.0 W: -76.0 AJ: 2.0	E: -8.0 W: -44.0 AJ: 1.0	E: 10.0 W: -0.0 AJ: 0.0
10	E: 11.0 W: 58.0 AJ: -2.0	E: 6.0 W: 98.0 AJ: -3.0	E: 0.0 W: 112.0 AJ: -3.0	E: -11.0 W: 0.0 AJ: -0.0	E: 0.0 W: -112.0 AJ: 3.0	E: -6.0 W: -95.0 AJ: 3.0	E: -10.0 W: -54.0 AJ: 2.0	E: 12.0 W: -0.0 AJ: 0.0

**Spin Drift (click) : -7 Maximum Y (m) : 42.29 At (m) : 1300.0 Time to get there (s) : 3.32**

**How to use this Abacus ? Read HowToPBS Abacus.pdf in <https://github.com/fabienfigueras/TLD>**

**PBS v1.19 2024 Generic Abacus - 308(inch) 175(gr) Bullet - SIERRA HPBT Matchking - Rifle Bore RightTwist 1:10.0 (inch) - Muzzle Speed 800 (m/s) in ICAO Atmosphere - Sight Height : 68.0 (mm) - Ballistic Coefficient in current conditions : G1 0.496 - G7 0.249**

1500 = 422				1525 = 442				1550 = 462				1575 = 483			
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)			
<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>
0	-23	-85	-170	0	-24	-90	-179	0	-25	-94	-188	0	-26	-99	-197

### Local Absolute Pressure (hPA)

<b>1088</b>	<b>1073</b>	<b>1058</b>	<b>1043</b>	<b>1028</b>	<b>1013</b>	<b>998</b>	<b>983</b>	<b>968</b>	<b>953</b>	<b>938</b>	<b>923</b>	<b>908</b>	<b>893</b>	<b>878</b>	<b>863</b>
122	94	68	43	21	0	-20	-38	-56	-72	-87	-102	-115	-128	-139	-151

### Air Temperature (°C)

57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0
-99	-95	-90	-86	-81	-76	-71	-65	-60	-54	-48	-42	-35	-29	-22	-14
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0
-7	0	8	16	25	34	44	54	64	75	86	98	110	123	136	151
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0
165	181	197	215	233	252	272	293	315	339	364	391	419	449	480	514

Wind Speed (m/s) - Wind Direction (hour) ->	I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII
2	E: 3.0 W: 13.0 AJ: -0.0	E: 2.0 W: 22.0 AJ: -1.0	E: 0.0 W: 25.0 AJ: -1.0	E: -3.0 W: 0.0 AJ: -0.0	E: 0.0 W: -25.0 AJ: 1.0	E: -1.0 W: -22.0 AJ: 1.0	E: -2.0 W: -12.0 AJ: 0.0	E: 3.0 W: -0.0 AJ: 0.0
4	E: 5.0 W: 25.0 AJ: -1.0	E: 3.0 W: 44.0 AJ: -1.0	E: 0.0 W: 50.0 AJ: -1.0	E: -5.0 W: 0.0 AJ: -0.0	E: 0.0 W: -50.0 AJ: 1.0	E: -3.0 W: -43.0 AJ: 1.0	E: -5.0 W: -25.0 AJ: 1.0	E: 6.0 W: -0.0 AJ: 0.0
6	E: 8.0 W: 38.0 AJ: -1.0	E: 5.0 W: 66.0 AJ: -2.0	E: 0.0 W: 75.0 AJ: -2.0	E: -8.0 W: 0.0 AJ: -0.0	E: 0.0 W: -75.0 AJ: 2.0	E: -4.0 W: -64.0 AJ: 2.0	E: -7.0 W: -37.0 AJ: 1.0	E: 9.0 W: -0.0 AJ: 0.0
8	E: 10.0 W: 51.0 AJ: -1.0	E: 6.0 W: 88.0 AJ: -2.0	E: 0.0 W: 100.0 AJ: -2.0	E: -11.0 W: 0.0 AJ: -0.0	E: 0.0 W: -100.0 AJ: 2.0	E: -5.0 W: -85.0 AJ: 2.0	E: -9.0 W: -49.0 AJ: 1.0	E: 12.0 W: -0.0 AJ: 0.0
10	E: 13.0 W: 64.0 AJ: -2.0	E: 7.0 W: 110.0 AJ: -3.0	E: 0.0 W: 125.0 AJ: -3.0	E: -14.0 W: 0.0 AJ: -0.0	E: 0.0 W: -125.0 AJ: 3.0	E: -7.0 W: -107.0 AJ: 3.0	E: -12.0 W: -61.0 AJ: 2.0	E: 15.0 W: -0.0 AJ: 0.0

**Spin Drift (click) : -9 Maximum Y (m) : 59.22 At (m) : 1431.0 Time to get there (s) : 3.75**

**How to use this Abacus ? Read HowToPBS Abacus.pdf in <https://github.com/fabienfigueras/TLD>**

PBS v1.19 2024 Generic Abacus - 308(inch) 175(gr) Bullet - SIERRA HPBT Matchking - Rifle Bore RightTwist 1:10.0 (inch) - Muzzle Speed 800 (m/s) in ICAO Atmosphere - Sight Height : 68.0 (mm) - Ballistic Coefficient in current conditions : G1 0.496 - G7 0.249																							
1600 = 504				1625 = 527				1650 = 550				1675 = 574											
Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)				Vertical Shooting Angle (deg)											
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30								
0	-28	-104	-207	0	-29	-110	-217	0	-31	-115	-228	0	-32	-121	-239								
Local Absolute Pressure (hPA)																							
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863								
157	121	87	56	27	0	-25	-49	-71	-91	-111	-129	-146	-161	-176	-190								
Air Temperature (°C)																							
57.5	55.0	52.5	50.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0								
-126	-120	-115	-109	-103	-96	-90	-83	-76	-69	-61	-53	-45	-36	-28	-18								
17.5	15.0	12.5	10.0	7.5	5.0	2.5	0.0	-2.5	-5.0	-7.5	-10.0	-12.5	-15.0	-17.5	-20.0								
-9	0	10	21	32	44	56	69	82	96	111	126	142	159	176	195								
-22.5	-25.0	-27.5	-30.0	-32.5	-35.0	-37.5	-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0								
214	234	256	278	302	327	353	381	410	441	474	509	547	586	628	672								
Wind Speed (m/s) - Wind Direction (hour) ->								I / V	II / IV	III	VI	IX	VIII / X	VII / XI	XII								
2								E: 3.0 W: 14.0 AJ: -0.0	E: 2.0 W: 24.0 AJ: -1.0	E: 0.0 W: 28.0 AJ: -1.0	E: -3.0 W: 0.0 AJ: -0.0	E: 0.0 W: -28.0 AJ: 1.0	E: -1.0 W: -24.0 AJ: 1.0	E: -2.0 W: -14.0 AJ: 0.0	E: 4.0 W: -0.0 AJ: 0.0								
								4								E: 6.0 W: 28.0 AJ: -1.0	E: 4.0 W: 49.0 AJ: -1.0	E: 0.0 W: 56.0 AJ: -1.0	E: -6.0 W: 0.0 AJ: -0.0	E: 0.0 W: -56.0 AJ: 1.0	E: -3.0 W: -48.0 AJ: 1.0	E: -5.0 W: -28.0 AJ: 1.0	E: 7.0 W: -0.0 AJ: 0.0
																E: 9.0 W: 42.0 AJ: -1.0	E: 6.0 W: 73.0 AJ: -2.0	E: 0.0 W: 84.0 AJ: -2.0	E: -9.0 W: 0.0 AJ: -0.0	E: 0.0 W: -84.0 AJ: 2.0	E: -5.0 W: -72.0 AJ: 2.0	E: -8.0 W: -41.0 AJ: 1.0	E: 11.0 W: -0.0 AJ: 0.0
																E: 12.0 W: 57.0 AJ: -1.0	E: 7.0 W: 98.0 AJ: -2.0	E: 0.0 W: 111.0 AJ: -2.0	E: -13.0 W: 0.0 AJ: -0.0	E: 0.0 W: -111.0 AJ: 2.0	E: -6.0 W: -95.0 AJ: 2.0	E: -11.0 W: -54.0 AJ: 1.0	E: 14.0 W: -0.0 AJ: 0.0
																E: 15.0 W: 72.0 AJ: -2.0	E: 9.0 W: 122.0 AJ: -3.0	E: 0.0 W: 139.0 AJ: -3.0	E: -16.0 W: 0.0 AJ: -0.0	E: 0.0 W: -139.0 AJ: 3.0	E: -8.0 W: -119.0 AJ: 3.0	E: -14.0 W: -68.0 AJ: 2.0	E: 18.0 W: -0.0 AJ: 0.0
Spin Drift (click) : -10 Maximum Y (m) : 81.82 At (m) : 1560.0 Time to get there (s) : 4.23																							
How to use this Abacus ? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD																							