	PBS v1.21 2024 Generic Abacus - 224(inch) 43(gr) Bullet - NORMA Xtreme - Rifle Bore RightTwist 1:16.0 (inch) Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Rellistic Coefficient in current														
- Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Ballistic Coefficient in current conditions : G1 0.114 - G7 0.082															
	100	= 0			125	= 10		150 = 22				175 = 34			
Vertical Shooting Angle Vertical Shooting Angle									Vertical Shooting Angle (deg) Vertical Shooting Angle (d						
	(de		20	0	(de						· •				`
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30
0	0	-2	-4	0	0	-3	-7 I aa	0	-1	-5	-10	0	-1	-7	-14
1000	1073	1058	10/3	1028	1013	998	983	968	te Pressi 953	938	923	908	893	878	863
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	U	U	U	U	U	U		-	perature		U	0	0	V	0
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	1	1	1	1	2	2	2	3	3	3	3
-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
3	4	4	4	4	4	4	5	5	5	5	5	5	5	6	6
Wind	Spee	d (m/s	s) - Wi	ind Di	rectio	n (hou	ur) ->	I/V	II / IV	III	VI	IX		VII / XI	XII
				_				E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0
			4	2				W: 2.0	W: 3.0 AJ: -1.0	W: 4.0	W: 0.0	W: -4.0 AJ: 1.0	W: -3.0 AJ: 1.0		W: -0.0 AJ: 0.0
								E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0
			4	1					W: 7.0	W: 7.0	W: 0.0		W: -6.0		W: -0.0
								AJ: -1.0	AJ: -1.0	AJ: -1.0	AJ: -0.0	AJ: 1.0	AJ: 1.0	AJ: 1.0	AJ: 0.0
								E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0
			(6					W: 10.0			W:	W:	W: -6.0	W: -0.0
								AJ: -1.0	AJ: -2.0	AJ: -2.0	AJ: -0.0	-11.0 AJ: 2.0	-10.0 AJ: 2.0	AJ: 1.0	AJ: 0.0
								T 0.0	T 0.0	T 0.0	T 0.0	E: 0.0	E: 0.0	T 0.0	T 00
				3					E: 0.0 W: 14.0			W:	W:		E: 0.0 W: -0.0
			(•					W. 14.0 AJ: -2.0			-15.0	-13.0	AJ: 1.0	W0.0 AJ: 0.0
								1.0	2.0	110. 5.0	110. 0.0	AJ: 3.0	AJ: 2.0		110. 0.0
								E: 0.0	E: 0.0	E: 0.0	E: 0.0	E: 0.0 W:	E: 0.0 W:	E: 0.0 W:	E: 0.0
			1	0					W: 17.0			-18.0	-17.0	-10.0	W: -0.0
								AJ: -2.0	AJ: -3.0	AJ: -3.0	AJ: -0.0	AJ: 3.0	AJ: 3.0	AJ: 2.0	AJ: 0.0

Spin Drift (click): 0 Maximum Y (m): 0.07 At (m): 60.0 Time to get there (s): 0.29

How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD

								3(gr) Bul							
- 1	- Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Ballistic Coefficient in current conditions : G1 0.114 - G7 0.082														
	• • • •						cond	itions : C			32			0.4	
	200			* * *	225				250	= 77		275 = 94			
	rtical S Angle		_			Shooti (deg)	ng	Vertical Shooting Angle (deg)				Vertic	al Shooti	ng Angle	(deg)
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30
0	-2	-9	-18	0	-2	-11	-23	0	-3	-13	-28	0	-4	-16	-33
Local Absolute Pressure (hPA)															
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863
5	4	3	2	2	1	1	0	0	0	-1	-1	-2	-2	-3	-3
	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
-7	-7	-7	-6	-6	-6	-6	-5	-5	-5	-4	-4	-3	-2	-2	-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	2	4	6	8	10	13	15	18	21	24	27	29	30	32
	-25.0							-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0
34	36	37	39	40	42	43	45	46	48	49	51	53	55	57	58
Wind	Spee	d (m/s	s) - Wi	ind Di	rectio	n (hou	ır) ->	I/V	II / IV	III	VI	IX	VIII / X	VII / XI	XII
									E: -0.0	E: 0.0	E: 1.0	E: 0.0	E: 0.0	E: 1.0	E: -0.0
			2	2				W: 4.0	W: 7.0	W: 8.0	W: 0.0	W: -8.0			
								AJ: -0.0	AJ: -1.0	AJ: -1.0	AJ: -0.0		AJ: 1.0	AJ: 0.0	AJ: 0.0
									E: -0.0		E: 2.0	E: 0.0 W:	E: 1.0 W:	E: 2.0	E: -0.0
			4	1					W: 13.0			-15.0	-14.0		W: -0.0
								AJ: -1.0	AJ: -1.0	AJ: -1.0	AJ: -0.0	AJ: 1.0	AJ: 1.0	AJ: 1.0	AJ: 0.0
								E: -0.0	E: -0.0	E: 0.0	E: 4.0	E: 0.0	E: 2.0	E: 3.0	E: -0.0
				6					W: 20.0			W:	W:	W:	W: -0.0
								AJ: -1.0	AJ: -2.0	AJ: -2.0	AJ: -0.0	-23.0 AJ: 2.0	-22.0 AJ: 2.0	-14.0 AJ: 1.0	AJ: 0.0
								E: -1.0	E: -0.0	E: 0.0	E: 5.0	E: 0.0	E: 2.0	E: 5.0	E: -1.0
			8	3					W: 26.0			W:	W:	W:	W: -0.0
									AJ: -2.0			-31.0	-30.0	-19.0	AJ: 0.0
												AJ: 3.0 E: 0.0	AJ: 2.0 E: 3.0	AJ: 1.0 E: 6.0	
									E: -0.0		E: 7.0	W:	W:	W:	E: -1.0
									W: 33.0			-39.0	-39.0	-26.0	W: -0.0
								AJ: -2.0	AJ: -3.0	AJ: -3.0	AJ: -0.0	AJ: 3.0	AJ: 3.0	AJ: 2.0	AJ: 0.0
		Sp	in Dri	ft (cli	ck):-	1 Max	imun	Y (m):	0.52 At (m) : 117.	0 Time t	o get the	re (s) : 0.	.63	
1						_									

How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD

							tmos	phere - S	ight Heig	ght: 70.0) (mm) -		RightTv Coefficie		` /
	200 -	= 112			325 =	- 120	cond	itions : (G1 0.114 = 350 =		82		275 -	= 172	
Va	rtical		no	Va	rtical s		no		330 -	- 130			3/3-	- 1/2	
	Angle		_		Angle		_	Vertic	al Shooti	ng Angle	(deg)	Vertic	al Shooti	ng Angle	(deg)
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30
0	-4	-18	-39	0	-5	-21	-45	0	-6	-25	-51	0	-7	-28	-58
			•				Loc	al Absolu	ite Press	ure (hPA	<u>.)</u>	•	•	•	
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863
15	13	11	9	7	5	3	1	0	-2	-3	-5	-6	-8	-9	-11
Air Temperature (°C)															
57.5			50.0	47.5		42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0
-21	-21	-20	-20	-19	-18	-17	-16	-15	-14	-13	-12	-10	-8	-6	-3
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
-1	1	6	12	18	25	33	41	49	58	67	78	90	96	102	108
-22.5				-32.5			-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0
115	123	128	133	139	145	151	156	162	168	175	182	189	196	204	212
Wind	Spee	d (m/s	s) - Wi	ind Di	rectio	n (hoi	ır) ->	I/V	II / IV	III	VI	IX	VIII / X	VII / XI	XII
			2	2					E: -1.0 W: 10.0 AJ: -1.0			E: 0.0 W: -12.0 AJ: 1.0	E: 2.0 W: -11.0 AJ: 1.0	E: 4.0 W: -6.0 AJ: 0.0	E: -1.0 W: -0.0 AJ: 0.0
			2	1					E: -1.0 W: 20.0 AJ: -1.0			E: 0.0 W:	E: 4.0 W: -23.0 AJ: 1.0	E: 8.0 W: -14.0 AJ: 1.0	E: -3.0 W: -0.0 AJ: 0.0
			(6					E: -2.0 W: 30.0 AJ: -2.0			E: 0.0 W: -36.0 AJ: 2.0	E: 7.0 W: -36.0 AJ: 2.0	E: 12.0 W: -23.0 AJ: 1.0	E: -4.0 W: -0.0 AJ: 0.0
				3				W: 22.0	E: -3.0 W: 40.0 AJ: -2.0	W: 48.0		E: 0.0 W: -48.0 AJ: 3.0	E: 9.0 W: -50.0 AJ: 2.0	E: 17.0 W: -32.0 AJ: 1.0	E: -5.0 W: -0.0 AJ: 0.0
			1	0				W: 27.0	E: -3.0 W: 49.0 AJ: -3.0	W: 61.0	W: 0.0	E: 0.0 W: -61.0 AJ: 3.0	E: 12.0 W: -65.0 AJ: 3.0	E: 22.0 W: -43.0 AJ: 2.0	E: -6.0 W: -0.0 AJ: 0.0
		Sp	oin Dr	ift (cli					-	m) : 188 .	0 Time to	o get the	re (s): 1.	01	
4	**				9 1			DDC A			11 0.3	10			

How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD

	PBS v1.21 2024 Generic Abacus - 224(inch) 43(gr) Bullet - NORMA Xtreme - Rifle Bore RightTwist 1:16.0 (inch) - Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Ballistic Coefficient in current														
	conditions: G1 0.114 - G7 0.082 400 = 194 425 = 218 450 = 244 475 = 271														
Va	rtical S		no	Va	rtical		ina		430 -	- 244			4/3 -	- 2/1	
	Angle		_		Angle		_	Vertical Shooting Angle (deg)				Vertic	cal Shooti	ng Angle	(deg)
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30
0	-8	-32	-66	0	-9	-36	-74	0	-10	-40	-83	0	-11	-45	-93
Local Absolute Pressure (hPA)													•		
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863
34	29	24	20	15	11	7	3	0	-4	-7	-11	-14	-18	-21	-24
Air Temperature (°C)															
57.5	55.0		50.0	47.5		42.5	40.0	37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0
-46	-45	-44	-42	-41	-39	-37	-35	-33	-31	-29	-26	-22	-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
-3	3	15	28	42	58	76	95	115	136	161	188	218	235	251	268
-22.5				-32.5			-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0
287	308	322	337	352	368	385	401	418	437	456	475	495	517	540	564
wind	Spee	u (m/s	5) - W	ind Di	recuo	n (no	ur) ->	I/V	II / IV	III	VI	IX E: 0.0	E: 4.0	VII / XI	XII
									E: -2.0	E: 0.0	E: 10.0	W:	W:	E: 9.0	E: -4.0
			2	2					W: 14.0			-17.0	-15.0	W: -9.0	W: -0.0
								AJ: -0.0	AJ: -1.0	AJ: -1.0	AJ: -0.0	AJ: 1.0	AJ: 1.0	AJ: 0.0	AJ: 0.0
								E: -6.0	E: -4.0	E: 0.0	E: 22.0	E: 0.0	E: 10.0	E: 19.0	E: -7.0
			4	4						0.0 W: 34.0		W:	W:	W:	W: -0.0
									AJ: -1.0			-34.0 AJ: 1.0	-32.0 AJ: 1.0	-20.0 AJ: 1.0	AJ: 0.0
												E: 0.0	E: 16.0	E: 30.0	
				<i>c</i>				E: -9.0	E: -6.0	E: 0.0	E: 35.0	W:	W:	W:	E: -11.0
			(6					W: 42.0 AJ: -2.0			-51.0	-51.0	-32.0	W: -0.0 AJ: 0.0
								713. 1.0	713. 2.0	713. 2.0	713. 0.0	AJ: 2.0	AJ: 2.0		713. 0.0
								E: -12.0	E: -7.0	E: 0.0	E: 49.0	E: 0.0	E: 22.0	E: 42.0	E: -14.0
			8	8					W: 54.0			W: -68.0	W: -71.0	W: -47.0	W: -0.0
								AJ: -1.0	AJ: -2.0	AJ: -3.0	AJ: -0.0	AJ: 3.0	AJ: 2.0	AJ: 1.0	AJ: 0.0
								E. 15 0	E. 0.0	E. 0.0	E. 65 0	E: 0.0	E: 28.0	E: 54.0	E. 160
			1	0					E: -9.0 W: 67.0			W:	W:	W:	E: -16.0 W: -0.0
			1	J					AJ: -3.0			-85.0	-93.0	-63.0	AJ: 0.0
		C	in Desi	f4 (al	alr) :	4 N/ a =	.i.m					AJ: 3.0		AJ: 2.0	
	**	<u> 5p</u>	ın pri	iii (CII)	ck) : -		ximun	1 Y (M):	3.81 At (m): 2/0	.u rime t	o get the	ere (s): 1	.44 /ELD	

How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD

	PBS v1.21 2024 Generic Abacus - 224(inch) 43(gr) Bullet - NORMA Xtreme - Rifle Bore RightTwist 1:16.0 (inch) - Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Ballistic Coefficient in current conditions : G1 0.114 - G7 0.082															
	500 =	= 300			525 =	= 330	Con	550 = 362				575 = 396				
	rtical S Angle	Shooti	_		rtical S Angle	Shooti	_	Vertic		ing Angle	e (deg)	Vertical Shooting Angle (deg)				
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30	
0	-13	-50	-103	0	-14	-55	-114	0	-16	-61	-126	0	-17	-67	-138	
			ı				Loc	cal Absol	ute Pres	sure (hP.	<u>A)</u>		•	•		
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863	
66	56	47	38	29	21	13	6	-1	-8	-14	-21	-27	-33	-39	-44	
Air Temperature (°C)																
57.5	55.0		50.0	47.5	45.0	42.5		37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0	
-84	-82	-80	-78	-75	-72	-69	-65	-61	-57	-53	-48	-40	-32	-24	-15	
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	
-5	6	28	53	82	113	149	188	229	275	327	386	454	490	527	567	
	-25.0						-40.0	-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0	
610	657	690	724	760	798	838	876	917	960	1005	1052	1101	1154	1209	1267	
Wind	l Spec	ed (m/	(s) - W		irecti	on (ho	our) -	I/V	II / IV	III	VI	IX	VIII / X	VII / XI	XII	
			2	2					W: 19.0	W: 22.0	E: 20.0 W: 0.0 AJ: -0.0	W: -22.0	E: 9.0 W: -20.0 AJ: 1.0	E: 17.0 W: -12.0 AJ: 0.0	E: -8.0 W: -0.0 AJ: 0.0	
			4	1				W: 21.0	W: 37.0				E: 20.0 W: -42.0 AJ: 1.0	E: 38.0 W: -27.0 AJ: 1.0	E: -15.0 W: -0.0 AJ: 0.0	
			(6				W: 30.0	W: 54.0	W: 67.0	E: 71.0 W: 0.0 AJ: -0.0	W: -67.0	E: 32.0 W: -67.0 AJ: 2.0	E: 60.0 W: -43.0 AJ: 1.0	E: -23.0 W: -0.0 AJ: 0.0	
			8	3				W: 38.0	W: 70.0	W: 89.0	E: 101.0 W: 0.0 AJ: -0.0	W: -89.0	E: 44.0 W: -94.0 AJ: 2.0	E: 84.0 W: -63.0 AJ: 1.0	E: -29.0 W: -0.0 AJ: 0.0	
			1	0				W: 46.0	E: -19.0 W: 86.0 AJ: -3.0	W:	E: 133.0 W: 0.0 AJ: -0.0	W:	E: 57.0 W: -124.0 AJ: 3.0	E: 111.0 W: -86.0 AJ: 2.0	E: -34.0 W: -0.0 AJ: 0.0	

Spin Drift (click): -6 Maximum Y (m): 7.91 At (m): 363.0 Time to get there (s): 1.93 How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD

	PBS v1.21 2024 Generic Abacus - 224(inch) 43(gr) Bullet - NORMA Xtreme - Rifle Bore RightTwist 1:16.0 (inch) - Muzzle Speed 364 (m/s) in ICAO Atmosphere - Sight Height : 70.0 (mm) - Ballistic Coefficient in current conditions : G1 0.114 - G7 0.082															
	600 =	= 432			625 =	= 470	COII	uitions .	650 =		J62	675 = 553				
	rtical	Shootie (deg)	_		rtical S Angle	Shoot	_	Vertic	al Shooti		e (deg)	Vertical Shooting Angle (deg)				
0	10	20	30	0	10	20	30	0	10	20	30	0	10	20	30	
0	-19	-74	-152	0	-21	-81	-166	0	-23	-89	-181	0	-25	-97	-198	
			•				Loc	cal Abso	lute Pres	sure (hP	(A)					
1088		1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863	
115	115 98 81 66 51 37 23 10								-13	-25	-36	-46	-56	-65	-74	
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													1			
					45.0	42.5		37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0	
			-130	-126		-115		-103	-97	-90	-80	-68	-55	-41	-26	
	15.0		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	
-10	11	49	93	143	201	266	338	415	502	603	718	850	922	996	1075	
			-30.0					-42.5	-45.0	-47.5	-50.0	-52.5	-55.0	-57.5	-60.0	
			1392					1783	1870	1962	2057	2157	2263	2375	2492	
Wind	ı Spec	ea (m/	(s) - W	ina D >	irecu	on (no	our) -	I/V	II / IV	III	VI	IX	VIII / X	VII / XI	XII	
			2	2				W: 13.0	E: -7.0 W: 24.0 AJ: -1.0				E: 16.0 W: -25.0 AJ: 1.0	E: 30.0 W: -15.0 AJ: 0.0	E: -14.0 W: -0.0 AJ: 0.0	
			2	1				W: 26.0	E: -14.0 W: 46.0 AJ: -1.0	W: 56.0		W: -56.0	E: 36.0 W: -54.0 AJ: 1.0	E: 67.0 W: -34.0 AJ: 1.0	W: -0.0 AJ: 0.0	
			(5				W: 37.0	E: -22.0 W: 67.0 AJ: -2.0	W: 84.0		A T. 2 O	E: 57.0 W: -86.0 AJ: 2.0	E: 108.0 W: -56.0 AJ: 1.0	E: -41.0 W: -0.0 AJ: 0.0	
			8	3				W: 47.0	E: -28.0 W: 88.0 AJ: -2.0	E: 0.0 W: 112.0 AJ: -3.0	E: 183.0 W: 0.0 AJ: -0.0	E: 0.0 W: -112.0 AJ: 3.0	E: 80.0 W: -121.0 AJ: 2.0	E: 153.0 W: -82.0 AJ: 1.0	E: -53.0 W: -0.0 AJ: 0.0	
			1	0				E: -57.0 W: 56.0 AJ: -2.0	E: -35.0 W: 107.0 AJ: -3.0	E: 0.0 W: 140.0 AJ: -3.0	E: 245.0 W: 0.0 AJ: -0.0	E: 0.0 W: -140.0 AJ: 3.0	E: 103.0 W: -160.0 AJ: 3.0	E: 203.0 W: -112.0 AJ: 2.0	E: -62.0 W: -0.0 AJ: 0.0	

Spin Drift (click): -9 Maximum Y (m): 15.05 At (m): 465.0 Time to get there (s): 2.49 How to use this Abacus? Read HowToPBS_Abacus.pdf in https://github.com/fabienfigueras/TLD