	PBS v1.20 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 0.082 100 = 0														
Vertic			Angle	Vertic			Angle								
Vertical Shooting Angle (deg) (deg) (deg)								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	0	-2	-4	0	0	-3	-7	0	-1	-5	-10	0	-1	-7	-14
							Loca	al Absolu	te Pressi	ure (hPA)				
1088	1088 1073 1058 1043 1028 1013 998 983								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	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 (hoi	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
			2	2				W: 2.0	W: 3.0	W: 4.0	W: 0.0	W: -4.0			W: -0.0
										AJ: -1.0		AJ: 1.0	AJ: 1.0	AJ: 0.0	AJ: 0.0
			_	4				E: 0.0 W: 4.0	E: 0.0 W: 7.0	E: 0.0 W: 7.0	E: 0.0 W: 0.0	E: 0.0 W: -7.0	E: 0.0 W: -6.0	E: 0.0 W: -4.0	E: 0.0 W: -0.0
			_	•						AJ: -1.0			AJ: 1.0	AJ: 1.0	AJ: 0.0
												E: 0.0	E: 0.0		
				6				E: 0.0 W: 6.0	E: 0.0	E: 0.0 W: 11.0	E: 0.0 W: 0.0	W:	W:	E: 0.0 W: -6.0	E: 0.0 W: -0.0
			,	U						AJ: -2.0		-11.0	-10.0	AJ: 1.0	AJ: 0.0
								713. 1.0	713. 2.0	113. 2.0	713. 0.0	AJ: 2.0	AJ: 2.0	713. 1.0	713. 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
			8	8						W: 15.0		W: -15.0	W: -13.0	W: -8.0	
								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: 0.0	T 00	F 0 0	T 00	E: 0.0	E: 0.0	E: 0.0	
10									E: 0.0	E: 0.0	E: 0.0	W:	W:	W:	E: 0.0
			1	U						W: 18.0 AJ: -3.0		-18.0	-17.0	-10.0	W: -0.0 AJ: 0.0
												AJ: 3.0	AJ: 3.0	AJ: 2.0	113. 0.0
		Sı	oin Dr	rift (cl	ick) : '	U Max	<u>kimum</u>	1 Y (m):	0.07 At (m): 60.0	Time to	get ther	e(s): 0.2	29 /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															
	200	- 4.5			22.5		cond	itions : C			32		27.5	0.4		
	200			* * *	225				250	= 77		275 = 94				
	rtical S Angle		_			Shooti (deg)	ng	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	-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		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	
						-37.5		-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		VII / XI	XII	
			,					E: -0.0	E: -0.0	E: 0.0	E: 1.0	E: 0.0	E: 0.0	E: 1.0	E: -0.0	
			4	2				W: 4.0	W: 7.0 AJ: -1.0	W: 8.0	W: 0.0	W: -8.0 AJ: 1.0	W: -7.0 AJ: 1.0	W: -4.0 AJ: 0.0	W: -0.0 AJ: 0.0	
								AJ0.0	AJ1.0	AJ1.0	AJ0.0	E: 0.0	E: 1.0	AJ. 0.0	AJ. 0.0	
									E: -0.0		E: 2.0	W:	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	
			(5					W: 20.0			W:	W:	W:	W: -0.0	
									AJ: -2.0			-23.0	-22.0	-14.0	AJ: 0.0	
												AJ: 2.0	AJ: 2.0	AJ: 1.0		
								E: -1.0	E: - 0.0	E: 0.0	E: 5.0	E: 0.0 W:	E: 2.0 W:	E: 5.0 W:	E: -1.0	
			8	3					W: 26.0			-31.0	-30.0	-19.0	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: -1.0	E: -0.0	E: 0.0	E: 7.0	E: 0.0	E: 3.0	E: 6.0	E: -1.0	
			1	0					W: 33.0			W:	W:	W:	W: -0.0	
			-	~					AJ: -3.0			-39.0	-39.0	-26.0	AJ: 0.0	
			: D '	C. / 1º	-1->	1 1 7	.•					AJ: 3.0	AJ: 3.0	AJ: 2.0		
		Sp	ın Dri	it (ch	ck):-	ı Max	ımun	1 Y (m):	U.52 At (m): 11/.	v 11me t	o get the	re (s) : 0.	.03		

							tmos	phere - S	ight Heig	ght: 70.0) (mm) -		RightTv Coefficie		` /
	conditions: G1 0.114 - G7 0.082 300 = 112 325 = 130 350 = 150 375 = 172														
V	ertical		na	Ve	rtical S		no		330 -	- 130			313-	- 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
Local Absolute Pressure (hPA) 1088 1073 1058 1043 1028 1013 998 983 968 953 938 923															
1088		1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863
15	15 13 11 9 7 5 3 1								-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 - 32.5	25	33	41	49	58	67	78 50.0	90 52. 5	96 55.0	102	108
-22.5	123	128	133	139	145	151	-40.0 156	-42.5 162	-45.0 168	-47.5 175	-50.0 182	-52.5 189	-55.0 196	-57.5 204	-60.0 212
	l Spee							I/V	II / IV	III	VI	IX		VII / XI	XII
· · · · · ·	i Spec	u (III/S	,	2	<u> </u>	1 (110)	<u>, -</u>	E: -1.0 W: 6.0	E: -1.0 W: 10.0 AJ: -1.0	E: 0.0 W: 12.0	E: 4.0 W: 0.0	E: 0.0 W:	E: 2.0 W: -11.0 AJ: 1.0	E: 4.0	E: -1.0 W: -0.0 AJ: 0.0
				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
			8	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	in Dr	ift (cli	ck):-			n Y (m)	-	m): 188.	0 Time to	o get the	re (s): 1.	01	

	PBS v1.20 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	Cond	450 = 244				475 = 271			
Ve		Shooti (deg)	_			Shooti (deg)	ng	Vertic	al Shooti	ng Angle	(deg)	Vertic	cal Shooti	ing Angle	e (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
	1							al Absolu							
		1058					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)													20.0		
57.5 -46	55.0 -45	52.5	50.0 -42	47.5 -41	45.0 -39	42.5 -37	40.0 -35	37.5 -33	35.0	32.5 -29	30.0 -26	27.5 -22	25.0 -17	22.5 -13	20.0 -8
17.5	15.0	12.5	10.0	7.5	-39 5.0	2.5	0.0	-33 -2.5	-31 - 5.0	-29 -7.5	-20 -10.0	-22 -12.5	-17 -15.0	-13 -17.5	-20.0
-3	3	15	28	42	58	76	95	115	136	161	188	218	235	251	268
		-27.5						-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
		d (m/s						I/V	II / IV	III	VI	IX		VII / XI	
	-	·	2	2			Í		E: -2.0 W: 14.0 AJ: -1.0		E: 10.0 W: 0.0 AJ: -0.0	E: 0.0 W: -17.0 AJ: 1.0	E: 4.0 W: -15.0 AJ: 1.0	E: 9.0 W: -9.0 AJ: 0.0	E: -4.0 W: -0.0 AJ: 0.0
			4	1					E: -4.0 W: 28.0 AJ: -1.0	W: 34.0	E: 22.0 W: 0.0 AJ: -0.0	E: 0.0 W: -34.0 AJ: 1.0	E: 10.0 W: -32.0 AJ: 1.0	E: 19.0 W: -20.0 AJ: 1.0	E: -7.0 W: -0.0 AJ: 0.0
				6					E: -6.0 W: 42.0 AJ: -2.0		E: 35.0 W: 0.0 AJ: -0.0	E: 0.0 W: -51.0 AJ: 2.0	E: 16.0 W: -51.0 AJ: 2.0	E: 30.0 W: -32.0 AJ: 1.0	E: -11.0 W: -0.0 AJ: 0.0
			8	3				W: 30.0	E: -7.0 W: 54.0 AJ: -2.0	W: 68.0	E: 49.0 W: 0.0 AJ: -0.0	E: 0.0 W: -68.0 AJ: 3.0	E: 22.0 W: -71.0 AJ: 2.0	E: 42.0 W: -47.0 AJ: 1.0	E: -14.0 W: -0.0 AJ: 0.0
				0				W: 36.0 AJ: -2.0		W: 85.0 AJ: -3.0	AJ: -0.0	E: 0.0 W: -85.0 AJ: 3.0	E: 28.0 W: -93.0 AJ: 3.0	E: 54.0 W: -63.0 AJ: 2.0	E: -16.0 W: -0.0 AJ: 0.0
								1 Y (m):	`				. ,		
	Ho	w to u	se thi	s Aba	cus?]	Read	HowT	oPBS_A	bacus.pd	f in http	s://githul	o.com/fa	bienfigue	eras/TLE)

	PBS v1.20 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														
- Muzzie 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			550 = 362 575 = 396						
Ve	rtical S	Shooti	ing	Ve	rtical	Shooti	ng	Vartio	al Chaati	na Anala	(dag)	Vartia	al Chaptin	a Anala	(dag)
	Angle	(deg)			Angle	(deg)		vertic	ai Snooti	ng Angle	(deg)	vertic	al Shootin	ig 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
1000	40=0	10.50	1.0.10	1000	1010	000		cal Absol				200	000	0=0	0.62
	1073					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
57.5	55.0	<i>53.5</i>	50.0	47.5	45.0	42.5	40.0	37.5	nperatui		20.0	27.5	25.0	22.5	20.0
-84	-82	-80	-78	-75	-72	-69	-65	-61	35.0 -57	32.5 -53	30.0 -48	27.5 -40	25.0 -32	22.5 -24	20.0 -15
17.5			10.0	7.5	5.0	2.5	0.0	-01	-5.0	-33 -7.5	-10.0	-12.5	-32 -15.0	-17.5	-20.0
-5	6	28	53	82	113	149	188	229	275	327	386	454	490	527	567
	-25.0							-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
	l Spee														
'	P	(,	>		(, , ,	I/V	II / IV	III	VI	IX	VIII / X	VII / XI	XII
								F: -7.0	E: -4.0	F: 0.0	E: 20.0	E: 0.0	E: 9.0 W:	E: 17.0	E: -8.0
			2	2									-20.0 AJ:	W:	W: -0.0
								AJ: -0.0	AJ: -1.0	AJ: -1.0	AJ: -0.0	AJ: 1.0	1.0	-12.0 AJ: 0.0	AJ: 0.0
														E: 38.0	
									E: -8.0		E: 44.0	E: 0.0	E: 20.0	W:	E: -15.0
			2	1							W: 0.0 AJ: -0.0		W: -42.0 AJ: 1.0	-27.0	W: -0.0 AJ: 0.0
								713. 1.0	713. 1.0	713. 1.0	713. 0.0	713. 1.0	713. 1.0	AJ: 1.0	713. 0.0
								E: -20.0	E: -12.0	E: 0.0	E: 71.0	E: 0.0	E: 32.0	E: 60.0	E: -23.0
			(6									W: -67.0	W: -43.0	W: -0.0
								AJ: -1.0	AJ: -2.0	AJ: -2.0	AJ: -0.0	AJ: 2.0	AJ: 2.0	AJ: 1.0	AJ: 0.0
								E. 26.0	E. 15.0	E. 0.0	E. 101.0	E. 0.0	E. 44.0	E: 84.0	E. 20.0
			8	2							E: 101.0 W: 0.0		E: 44.0 W: -94.0	W:	E: -29.0 W: -0.0
			,	,							AJ: -0.0		AJ: 2.0	-63.0	AJ: 0.0
														AJ: 1.0	
				_					E: -19.0	14/-	E: 133.0	E: 0.0 W:	E: 57.0 W:	E: 111.0 W:	E: -34.0
			1	0					W: 86.0		W: 0.0		-124.0	-86.0	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 Dr	ift (cli	ck):-	6 Ma	ximur	n Y (m)	7.91 At	(m):36	3.0 Time	to get the	ere (s): 1.	93	

	PBS v1.20 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	con	aitions :	650 = 511				675 = 553				
	rtical	Shootie (deg)	_		rtical S Angle	Shoot	_	Vertic	al Shooti		(deg)	Vertic	cal Shootii		(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		
							Lo	cal Abso	lute Pres	sure (hP	(A)				I		
1088	1073	1058	1043	1028	1013	998	983	968	953	938	923	908	893	878	863		
115	98	81	66	51	37	23	10	-1	-13	-25	-36	-46	-56	-65	-74		
Air Temperature (°C)																	
			50.0		45.0			37.5	35.0	32.5	30.0	27.5	25.0	22.5	20.0		
			-130	-126			-109	-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	1 Spee	ed (m/	(s) - W	ind D >	irecti	on (ho	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		
			۷	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	E: -28.0 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