

ANNUAL RIFLE TRAINING DATABOOK

M16A4 SERVICE RIFLE/M4 CARBINE WITH RIFLE COMBAT OPTIC (RCO) AND BACK-UP IRON SIGHT (BUIS)

LAST NAME, INITIALS:		LAST 4:	
UNIT:		BLOOD TYPE:	
WEAPON SERIAL #:		RCO SERIAL #:	
RANGE:	TARGET:	RELAY:	DATE:

COLLIMATOR SETTING		
ALPHA	NUMERIC	
BUIS BZO	ELEV	WIND

NAVMC 11660 (Rev. 11-11) Previous editions are obsolete
S/N: 0109-LF-127-0800 U/I BOX OF 100
FOUO: Privacy sensitive when filled in

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Rifleman's Creed

THIS IS MY RIFLE.

There are many like it, but this one is mine. My rifle is my best friend. It is my life. I must master it as I must master my life.

My rifle, without me, is useless. Without my rifle, I am useless. I must fire my rifle true. I must shoot straighter than my enemy who is trying to kill me. I must shoot him before he shoots me.
I will...

My rifle and myself know that what counts in this war is not the rounds we fire, the noise of our burst, nor the smoke we make. We know that it is the hits that count.
We will hit...

My rifle is human, even as I, because it is my life. Thus, I will learn it as a brother. I will learn its weaknesses, its strength, its parts, its accessories, its sights and its barrel. I will keep my rifle clean and ready, even as I am clean and ready. We will become part of each other.
We will...

Before God, I swear this creed. My rifle and myself are the defenders of my country. We are the masters of our enemy.
We are the saviors of my life...

So be it, until victory is America's and there is no enemy, but peace!

- Major General William H. Rupertus -

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SAFETY RULES

1. TREAT EVERY WEAPON AS IF IT WERE LOADED.
2. NEVER POINT A WEAPON AT ANYTHING YOU DO NOT INTEND TO SHOOT.
3. KEEP YOUR FINGER STRAIGHT AND OFF THE TRIGGER UNTIL YOU ARE READY TO FIRE.
4. KEEP THE WEAPON ON SAFE UNTIL YOU INTEND TO FIRE.

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1

WEAPONS HANDLING

WEAPON CONDITIONS		WEAPON COMMANDS	
CONDITION 1	SAFETY ON, MAGAZINE INSERTED, ROUND IN CHAMBER, BOLT FORWARD, EJECTION PORT COVER CLOSED.	“LOAD”	TAKES THE WEAPON FROM CONDITION 4 TO CONDITION 3
CONDITION 2	NOT APPLICABLE TO THE M16A4 RIFLE.	“MAKE READY”	TAKES THE WEAPON FROM CONDITION 3 TO CONDITION 1
CONDITION 3	SAFETY ON, MAGAZINE INSERTED, CHAMBER EMPTY, BOLT FORWARD, EJECTION PORT COVER CLOSED.	“FIRE”	ENGAGE TARGET(S)
CONDITION 4	SAFETY ON, MAGAZINE REMOVED, CHAMBER EMPTY, BOLT FORWARD, EJECTION PORT COVER CLOSED.	“CEASE FIRE”	CEASE TARGET ENGAGEMENT
		“UNLOAD”	TAKES THE WEAPON FROM ANY CONDITION TO CONDITION 4
		“UNLOAD, SHOW CLEAR”	REQUIRES A SECOND INDIVIDUAL TO INSPECT THE WEAPON BEFORE THE WEAPON IS PLACED INTO CONDITION 4

2

WEAPONS HANDLING

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2

USER SERVICEABILITY INSPECTION

Perform a user serviceability inspection before beginning live fire to ensure the weapon is in acceptable operating condition. This inspection complements, but does not replace, the pre-fire inspection (PFI) conducted by a qualified armorer. Specific inspection areas are:

1. Weapon is in Condition 4.
2. Compensator: Centered, and tight.
3. Barrel: Tight.
4. BUIS tightly secured to rail system, adjustable, straight. Front Sight Post: Adjustable, straight, shape.
5. Rail System: No cracks, chips, severe dents, rail covers present, no cracks, not excessively loose.
6. Sighting System: Proper model RCO for weapon, attached correctly/throw levers secured, lenses not cracked, scratched, or broken, and reticle not canted.
7. Stock: Tight on lower receiver, then break weapon down shotgun style.
8. Chamber/barrel: Remove bolt carrier group; clear of obstructions, no major pits or cracks.
9. Gas Tube (from chamber end): Not bent or damaged, uniform shape.
10. Bolt Carrier Group: Properly assembled, rotates freely, gas rings staggered evenly around bolt.
11. Lubrication: Lubricated for operational condition and climate, replace bolt carrier group, and reassemble weapon.

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FUNCTION CHECK

A function check is performed after reassembling the rifle to ensure the rifle is operational.

1. Ensure rifle is in Condition 4.
2. Pull charging handle to rear and release. Ensure selector lever is on SAFE. Move the trigger to the rear – hammer should not fall.
3. Place selector lever on SEMI. Move the trigger to the rear and **hold to rear** – hammer should fall. While holding the trigger to the rear, pull charging handle to rear and release. Release trigger until you hear a “clunk”.
4. Place selector lever on BURST. Move the trigger to the rear and **hold to rear** – hammer should fall. While holding the trigger to the rear, pull charging handle to rear three times and release. Release trigger until you hear a “clunk”, and move to the rear again – hammer should fall.
5. Pull charging handle to rear and release. Place selector lever on SAFE, close ejection port cover.

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4

CORRECTIVE ACTION

Corrective action is the process of identifying the cause of a stoppage, clearing the stoppage, and returning the weapon to operation.

INDICATOR	CORRECTIVE ACTION
Bolt is forward or ejection port cover closed.	Observe, tap, rack, bang.
Bolt is locked to the rear.	Observe, conduct a speed reload.
Brass is obstructing chamber area. (Usually indicates double feed or failure to eject)	Observe, lock bolt to rear, remove magazine. Clear out the obstruction. Conduct a reload.
Brass stuck above the bolt.	Observe, place the weapon on SAFE, remove the magazine. Hold the bolt face back with a sturdy object while pushing forward on the charging handle to clear obstruction. Conduct reload.
Audible pop (reduced report), reduced recoil, or excessive smoke escaping from the chamber area. (May indicate a bullet is lodged in the bore)	<ul style="list-style-type: none"> - STOP FIRING! Observe, Place weapon in Condition 4. - Push rear take down pin all the way, pivot lower receiver. - Remove bolt carrier. - Inspect bore for obstruction by projectile. - Insert cleaning rod into bore from muzzle end and clear obstruction. - Reload, sight in, and attempt to fire (take weapon to an armorer if in training).

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7 COMMON FACTORS OF SHOOTING POSITIONS

BUTT OF WEAPON HIGH IN POCKET OF SHOULDER ②

STOCKWELD AND EYE RELIEF ⑤

① FORWARD HAND RELAXED AND ELBOW CLOSE TO THE WEAPON (PROVIDING VERTICAL BONE SUPPORT)

③ HIGH FIRM PISTOL GRIP

④ PLACEMENT OF REAR ELBOW

⑥ BREATHING

⑦ MUSCULAR CONTROL

Natural Point of Aim	Natural point of aim is the point at which the rifle sights settle when bone support and muscular relaxation are achieved. The marksman will always check it (and adjust as necessary) every time a position is built.
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⑥

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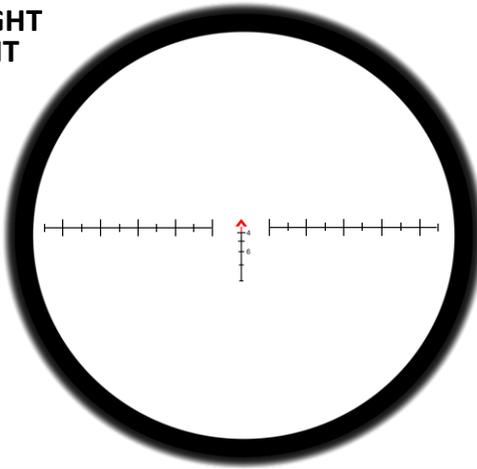
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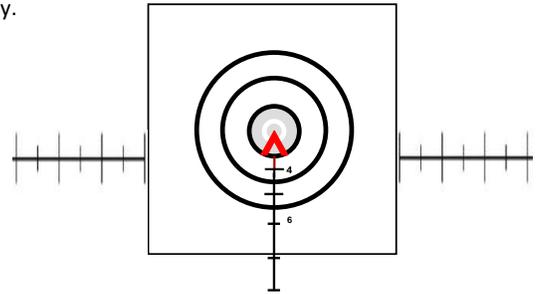
CORRECT SIGHT ALIGNMENT

FULL FIELD OF VIEW. The aiming eye aligned to the ocular lens so that no scope shadow is present. Proper stockweld and eye relief are the means for achieving correct sight alignment.



CORRECT SIGHT PICTURE (100 yd)

The full field of view while maintaining the desired aiming point (reticle) and hold (placement of aiming point on the target). NOTE: Optic outline removed for clarity.



Improper eye relief and/or improper sight alignment will cause scope shadow and will result in improper shot placement.

IMPROPER EYE RELIEF



IMPROPER SIGHT ALIGNMENT



BULLET WILL STRIKE RIGHT

BULLET WILL STRIKE LEFT

BULLET WILL STRIKE LOW

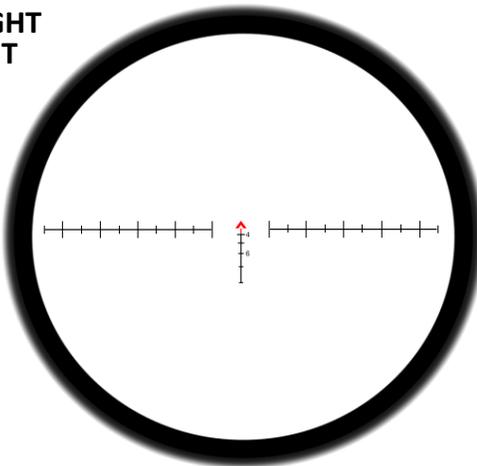
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7

AIMING

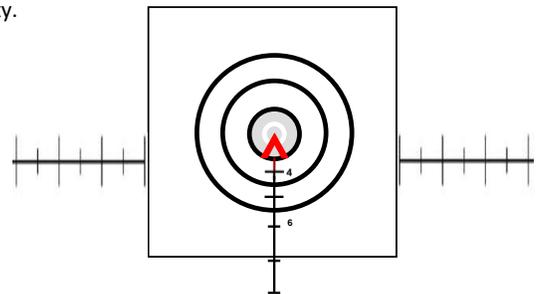
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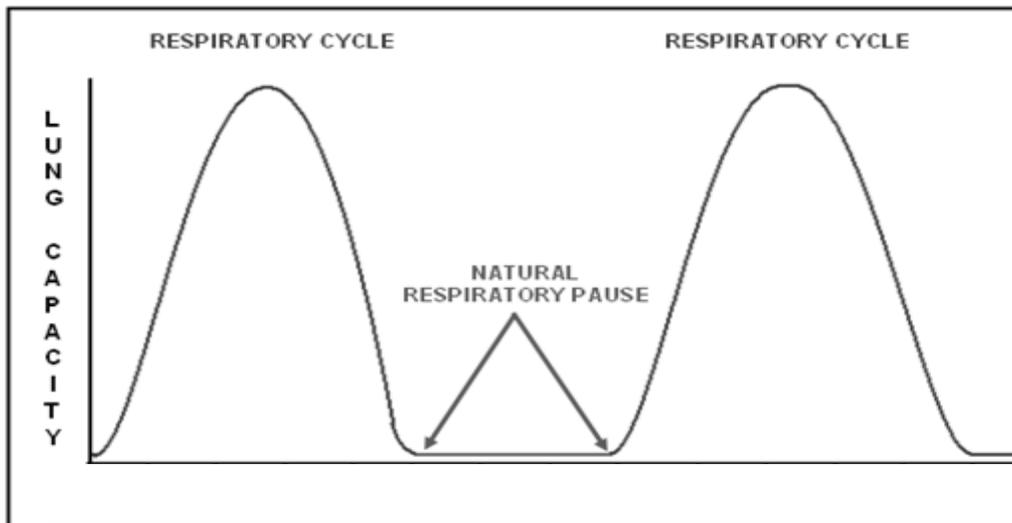
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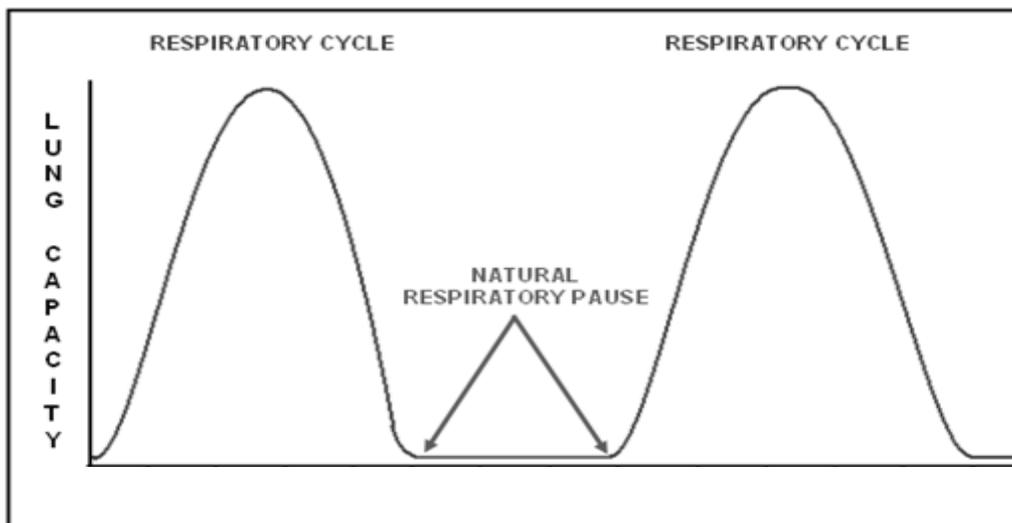
BREATH CONTROL

Breathing causes the body to move, which is transferred to the rifle, making it impossible to maintain sight picture. Therefore, natural point of aim, aiming refinement and shot delivery must each be accomplished during the natural respiratory pause - between breaths.



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TRIGGER CONTROL

TRIGGER CONTROL	Trigger Control is the skillful manipulation of the trigger to the rear that causes the rifle to fire without disturbing sight alignment or sight picture.
UNINTERRUPTED TRIGGER CONTROL	Uninterrupted trigger control is when the trigger is moved straight to the rear with a single, smooth motion.
INTERRUPTED TRIGGER CONTROL	Interrupted trigger control is when the application of trigger pressure is interrupted when an error in the aiming process is detected. The applied pressure is kept on the trigger until the error is corrected.

Common Errors	<ul style="list-style-type: none">•Lateral movement of the trigger (not straight to the rear)•Grip pressure: trigger finger not moving independently from the hand and other fingers
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FOLLOW-THROUGH / RECOIL RECOVERY

As a shot is fired, the natural recoil of a weapon will test a shooter's position. If proper bone support, muscular control and natural point of aim are applied, the weapon will return to the shooter's natural point of aim, ready for another shot.

FOLLOW-THROUGH - Follow-through is the continued application of the fundamentals until the round has exited the barrel. In combat, follow-through is important to avoid altering the impact of the round by keeping the rifle as still as possible until the round exits the barrel.

RECOIL RECOVERY - Management of recoil in preparation to deliver a follow-on shot. Pressure on the trigger is released smoothly until you hear and feel the trigger reset with a "clunk". The finger remains on the trigger to provide consistency in trigger control while firing successive shots.

Common Errors	<ul style="list-style-type: none">•Trigger Control: removing the finger from the trigger•Anticipation – bucking, flinching•Position – natural point of aim not achieved, forward elbow not providing vertical support
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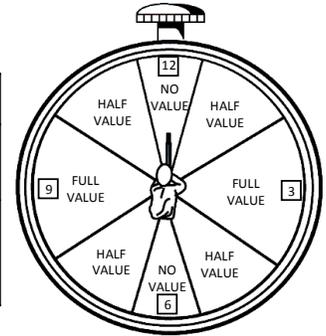
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WIND

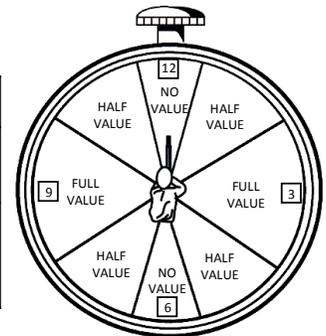
CLASSIFICATION	
DIRECTION	Determine wind direction by observing the direction vegetation is moving, by feeling the wind blow against the body, or by observing the direction of a flag.
VALUE	Winds are classified according to the direction from which they are blowing in relation to the direction of fire. The clock system indicates wind direction and value. The target is always at 12 o'clock.



VELOCITY (OBSERVATION METHOD)	
Under 3 MPH	The wind can hardly be felt on the face, but the presence of a slight wind can be detected by drifting smoke.
3 – 5 MPH	Wind can be felt lightly on the face.
5 – 8 MPH	Wind keeps tree leaves in constant motion.
8 – 12 MPH	Wind will raise dust and loose paper.
12 – 15 MPH	Wind will cause small trees to sway.
15 – 25 MPH	Wind will cause large trees to sway.

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WINDAGE HOLDS M16A4

<p>Wind speed is determined by the angle of the flag. The different speeds at each angle can be approximated based on how fast the flag flutters at each angle.</p>										
	5 MPH		10 MPH		15 MPH		20 MPH		25 MPH	
	WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE	
RANGE (yards)	FULL	HALF	FULL	HALF	FULL	HALF	FULL	HALF	FULL	HALF
200	2"	1"	5"	2"	7"	3"	9"	4"	11"	5"
300	5"	2"	11"	5"	16"	8"	22"	11"	27"	13"
500	17"	8"	35"	17"	52"	26"	69"	34"	87"	43"

The values in the above table reflect the windage holds that should be used when the surrounding terrain does not reduce the effect wind has on the flight of the bullet. While conducting marksmanship training on known-distance ranges, these values must be adjusted in order to compensate for the wind-reducing effects of the side-berms and/or trees. The figures in the following pages have been adjusted accordingly.

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RANGE (yards)	FULL	HALF	FULL	HALF	FULL	HALF	FULL	HALF	FULL	HALF
200	3"	1"	5"	2"	8"	4"	10"	5"	19"	9"
300	6"	3"	13"	6"	18"	9"	25"	12"	32"	16"
500	20"	10"	40"	20"	60"	30"	81"	40"	101"	50"

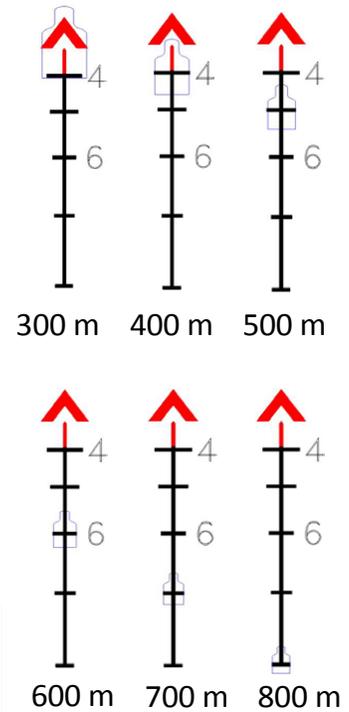
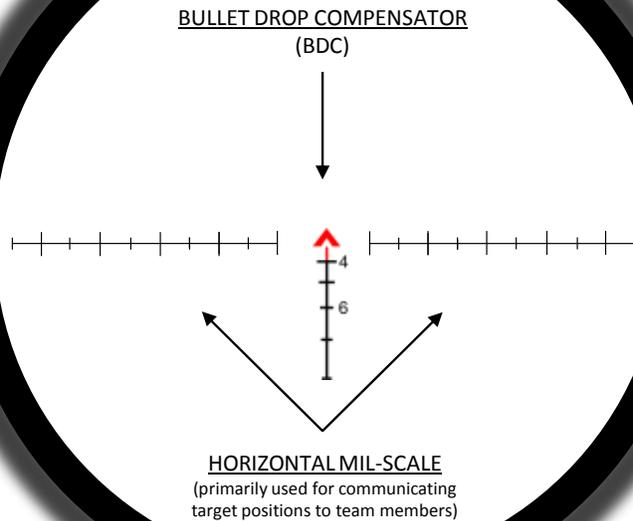
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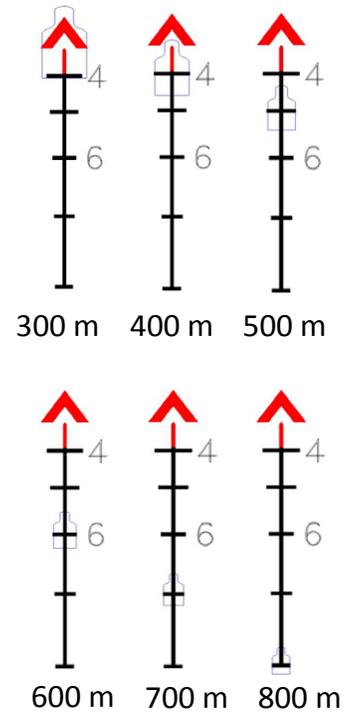
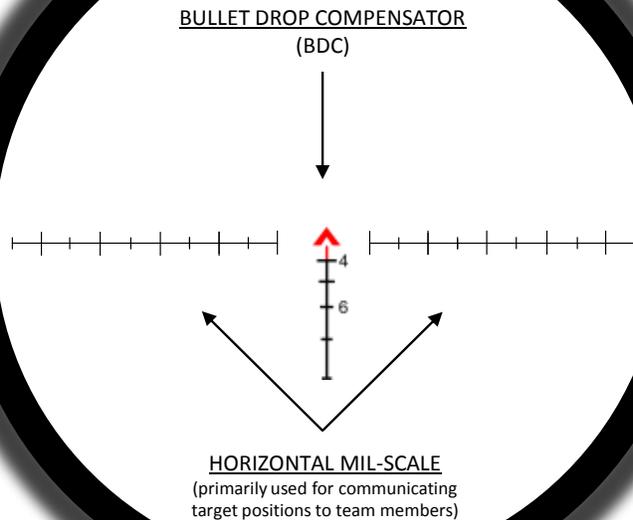
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RCO NOMENCLATURE (RETICLE)



The base of the red chevron and the horizontal stadia lines represent 19" at the indicated ranges (19" is the average width of a man's shoulders).

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DEFINITIONS

AIMING POINT	The point within the reticle where the aiming eye is focused when engaging a target.
HOLD (RCO)	The placement of the aiming point relative to the target required to place a single shot, or the center of a shot group, in a pre-designated location on a target at a specific range, from a specific firing position, under specific weather conditions.
ZERO (BUIS OR RCO)	The elevation and windage settings (BUIS), or hold (RCO) required to place a single shot, or the center of a shot group, in a pre-designated location on a target at a specific range, from a specific firing position, under ideal weather conditions.
BUIS BATTLESIGHT ZERO (BZO)	The elevation and windage settings required to place a single shot, or the center of a shot group, in a pre-designated location on a target from 0 to 300 yards/meters, under ideal weather conditions.

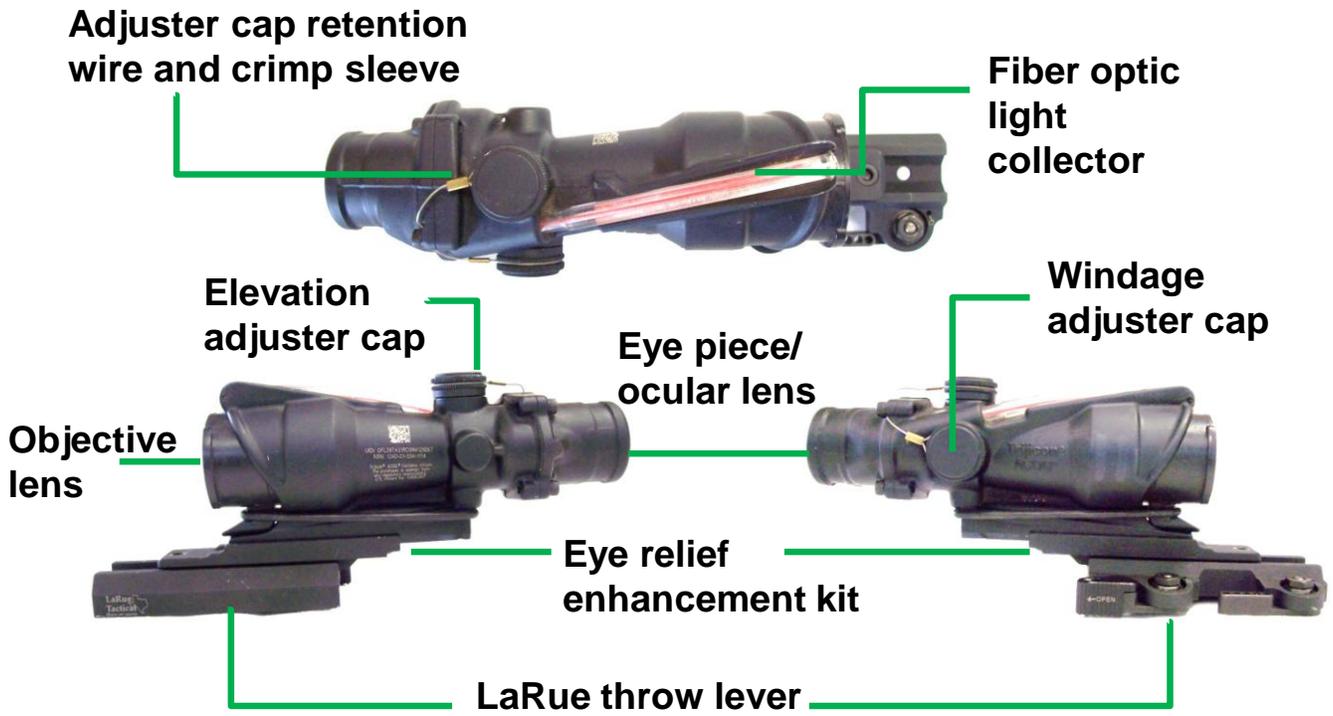
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DEFINITIONS

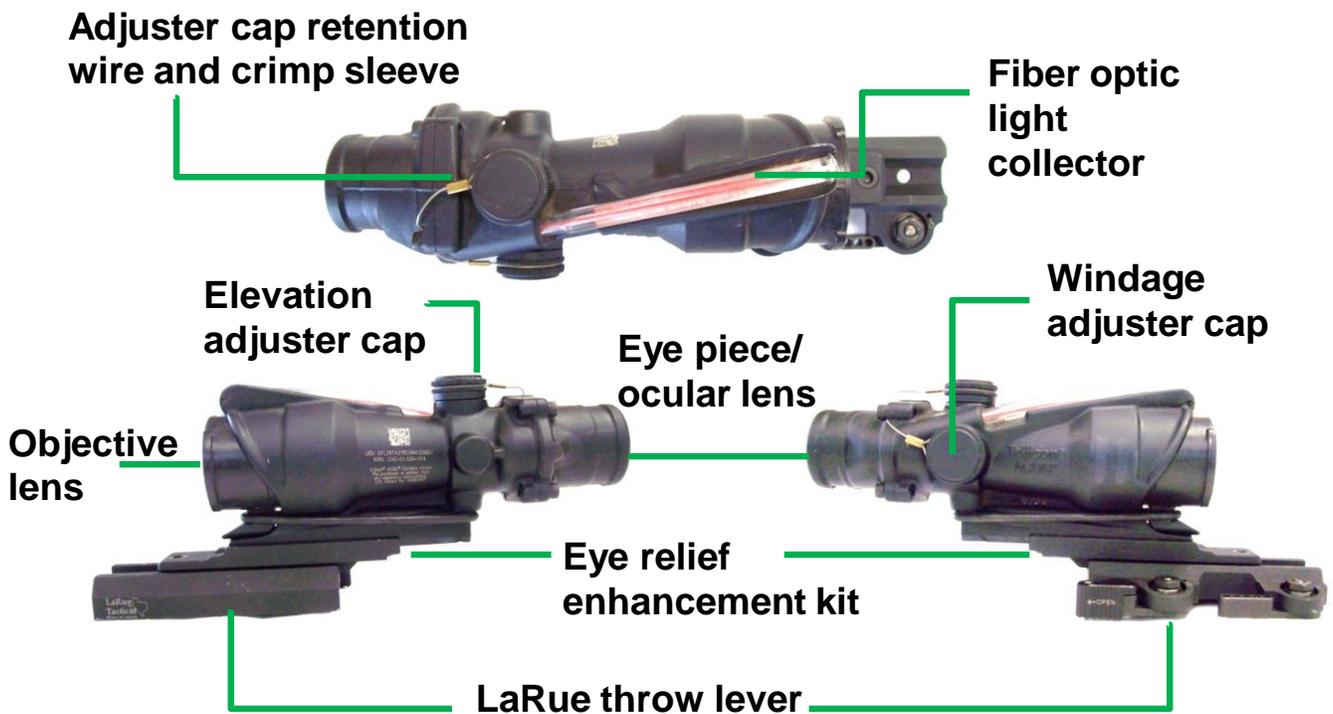
AIMING POINT	The point within the reticle where the aiming eye is focused when engaging a target.
HOLD (RCO)	The placement of the aiming point relative to the target required to place a single shot, or the center of a shot group, in a pre-designated location on a target at a specific range, from a specific firing position, under specific weather conditions.
ZERO (BUIS OR RCO)	The elevation and windage settings (BUIS), or hold (RCO) required to place a single shot, or the center of a shot group, in a pre-designated location on a target at a specific range, from a specific firing position, under ideal weather conditions.
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15

RCO NOMENCLATURE (EXTERNAL)



RCO NOMENCLATURE (EXTERNAL)



MOUNTING THE RCO (RAIL)

1. Prior to attempting to mount the optic, open the throw levers. Throw levers should be on the right side of the mount.



2. Place the TA31RCO onto the flattop receiver rail. Be sure to align the interface stubs located on the bottom of the adapter with the grooves on the rail of the flattop receiver.



3. The TA31RCO can be placed in any of the slots on top of the receiver to allow for proper eye relief adjustment. Once the ideal position has been determined, apply forward pressure on the optic and move the throw levers into the locked position (move the levers back toward the stock).



17

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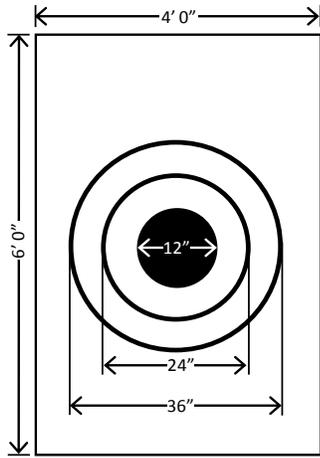
TABLE 1 COURSE OF FIRE

BLOCK / DAY	STAGE	RANGE	TIME	AMMO	FILL PLAN # MAGS / # RND5 EA.	TARGET	POSITION	SLING	
1 & 2	1	SLOW-FIRE	200	25 MIN	20	4/5	ABLE	SITTING KNEELING STANDING ANY	LOOP LOOP PARADE
	2	RAPID-FIRE	200	60 SEC 60 SEC	20	2/10	DOG	SITTING	LOOP
	3	SLOW-FIRE	300	5 MIN	5	1/5	ABLE	SITTING	LOOP
	4	RAPID-FIRE	300	60 SEC 60 SEC	20	2/10	DOG	STANDING TO PRONE	LOOP
	5	SLOW-FIRE	500	15 MIN	15	1/10	B-MOD.	PRONE	LOOP
3	1	SLOW-FIRE	200	20 MIN	15	3/5	ABLE	SITTING KNEELING STANDING	LOOP LOOP PARADE
	2	RAPID-FIRE	200	60 SEC	10	1/10	DOG	SITTING	LOOP
	3	SLOW-FIRE	300	5 MIN	5	1/5	ABLE	SITTING	LOOP
	4	RAPID-FIRE	300	60 SEC	10	1/10	DOG	STANDING TO PRONE	LOOP
	5	SLOW-FIRE	500	10 MIN	10	1/10	B-MOD.	PRONE	LOOP

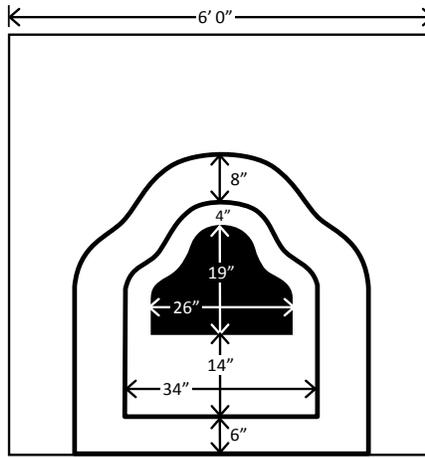
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BLOCK / DAY	STAGE	RANGE	TIME	AMMO	FILL PLAN # MAGS / # RND5 EA.	TARGET	POSITION	SLING	
1 & 2	1	SLOW-FIRE	200	25 MIN	20	4/5	ABLE	SITTING KNEELING STANDING ANY	LOOP LOOP PARADE
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	4	RAPID-FIRE	300	60 SEC 60 SEC	20	2/10	DOG	STANDING TO PRONE	LOOP
	5	SLOW-FIRE	500	15 MIN	15	1/10	B-MOD.	PRONE	LOOP
3	1	SLOW-FIRE	200	20 MIN	15	3/5	ABLE	SITTING KNEELING STANDING	LOOP LOOP PARADE
	2	RAPID-FIRE	200	60 SEC	10	1/10	DOG	SITTING	LOOP
	3	SLOW-FIRE	300	5 MIN	5	1/5	ABLE	SITTING	LOOP
	4	RAPID-FIRE	300	60 SEC	10	1/10	DOG	STANDING TO PRONE	LOOP
	5	SLOW-FIRE	500	10 MIN	10	1/10	B-MOD.	PRONE	LOOP

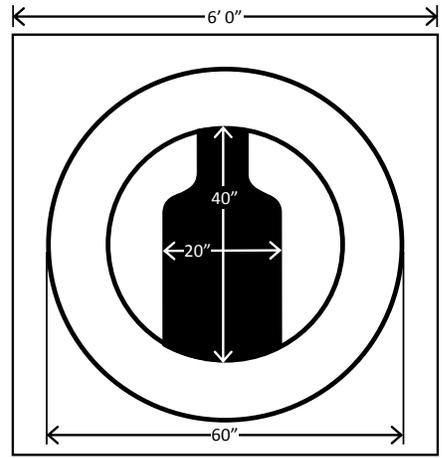
TABLE 1 TARGET DIMENSIONS



**"Able"
Target**

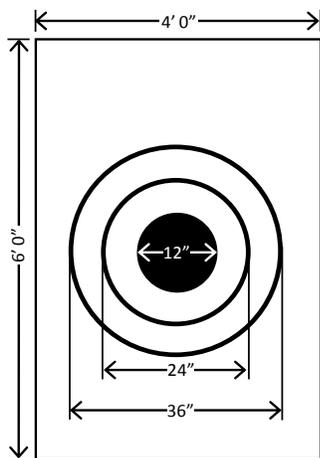


**"Dog"
Target**

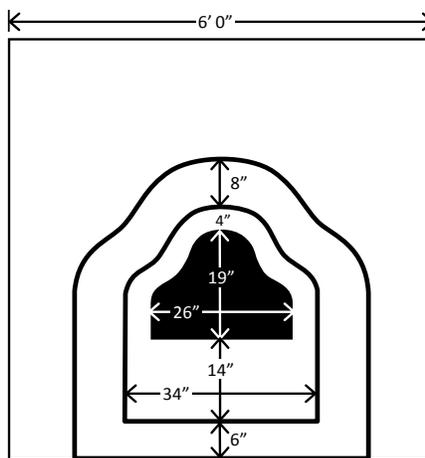


**"B-Modified"
Target**

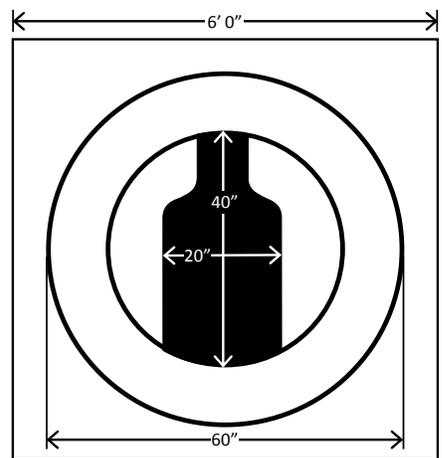
TABLE 1 TARGET DIMENSIONS



**"Able"
Target**



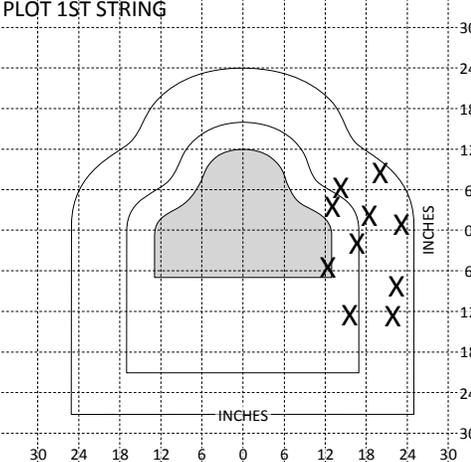
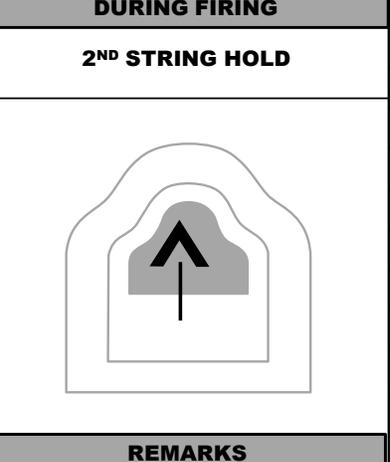
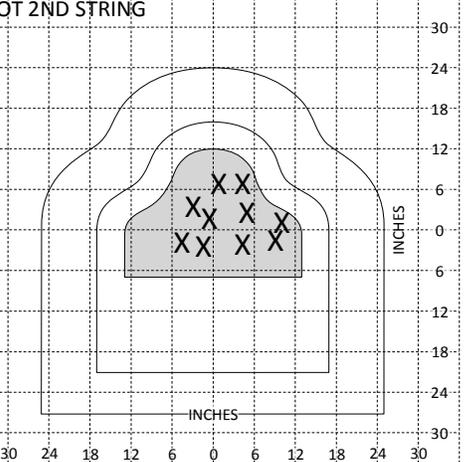
**"Dog"
Target**

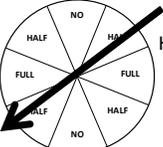
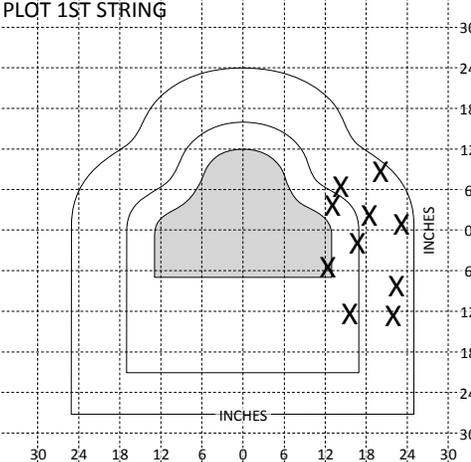
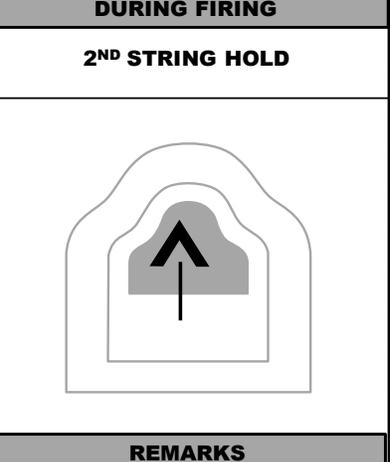
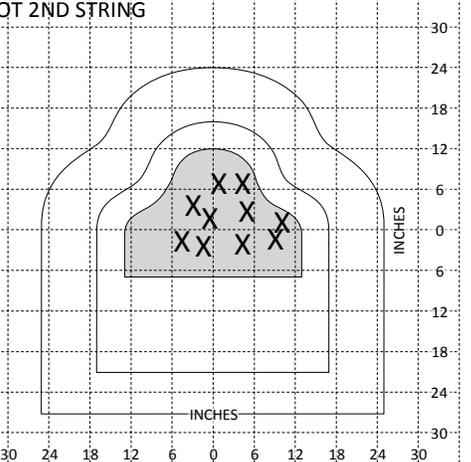


**"B-Modified"
Target**

200 YARD SLOW-FIRE SITTING		BEFORE FIRING						EXAMPLE						
ZERO		+ WIND =						HOLD						
		HOLDS IN INCHES												
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4			
		FULL	2	3	5	5	7	8	9	10	11	19		
		HALF	1	1	2	2	3	4	4	5	5	9		
WEATHER DATA			PLOT						AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input checked="" type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input checked="" type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN									SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)		
DURING FIRING			REMARKS											
1	2	3	Some clouds, sun out of 2:00 low in the sky, temp cool. Changed hold on shot 3. Anticipated shot 4. Otherwise good zero.											
CALL														
HOLD														
3														
4	5	EX												
CALL														
HOLD														

200 YARD SLOW-FIRE SITTING		BEFORE FIRING						EXAMPLE						
ZERO		+ WIND =						HOLD						
		HOLDS IN INCHES												
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4			
		FULL	2	3	5	5	7	8	9	10	11	19		
		HALF	1	1	2	2	3	4	4	5	5	9		
WEATHER DATA			PLOT						AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input checked="" type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input checked="" type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN									SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)		
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CALL														
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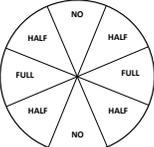
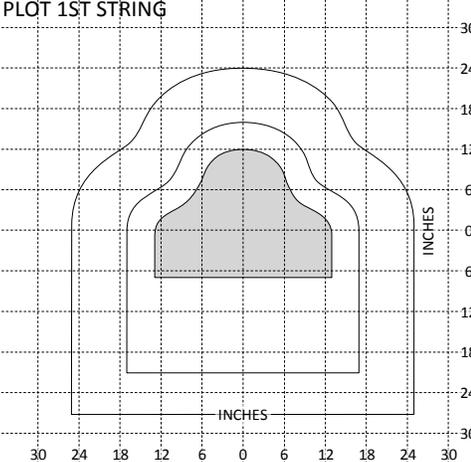
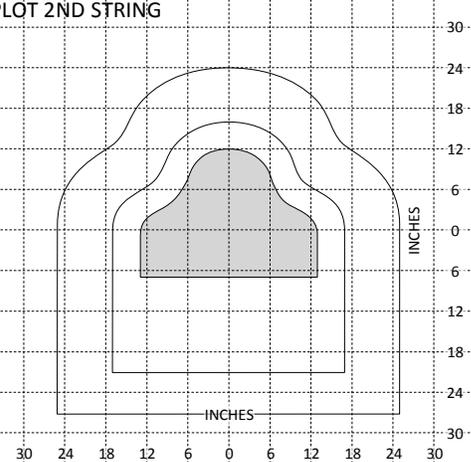
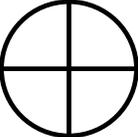
200 YARD RAPID-FIRE SITTING			BEFORE FIRING			EXAMPLE								
ZERO	+	WIND	=				HOLD							
		HOLDS IN INCHES												
				VALUE	5mph	10mph	15mph	20mph	25mph					
				M16A4	M4	M16A4	M4	M16A4	M4					
				FULL	2	3	5	5	7	8	9	10	11	19
				HALF	1	1	2	2	3	4	4	5	5	9
PLOT 1ST STRING			DURING FIRING			PLOT 2ND STRING								
			2ND STRING HOLD 											
			REMARKS											
LIGHT <input checked="" type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input checked="" type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			Miscalculated wind data. Corrected on 2 nd string.			SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 					

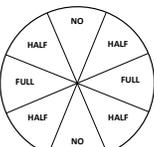
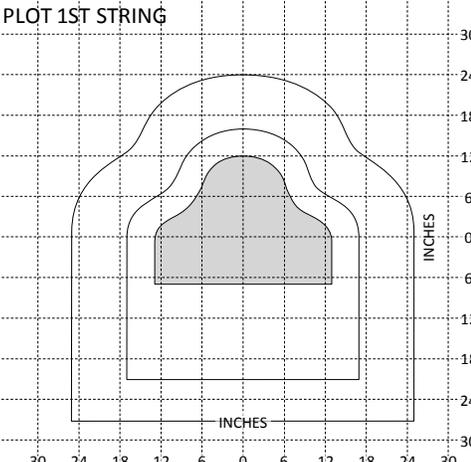
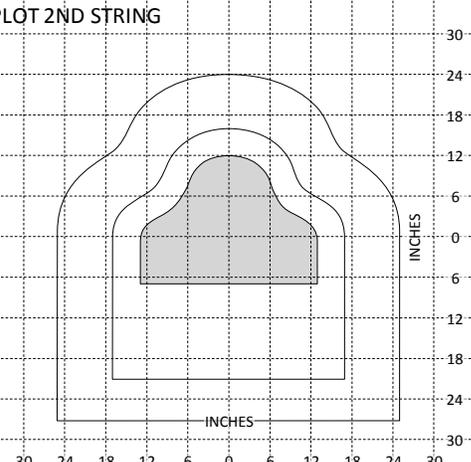
200 YARD RAPID-FIRE SITTING			BEFORE FIRING			EXAMPLE								
ZERO	+	WIND	=				HOLD							
		HOLDS IN INCHES												
				VALUE	5mph	10mph	15mph	20mph	25mph					
				M16A4	M4	M16A4	M4	M16A4	M4					
				FULL	2	3	5	5	7	8	9	10	11	19
				HALF	1	1	2	2	3	4	4	5	5	9
PLOT 1ST STRING			DURING FIRING			PLOT 2ND STRING								
			2ND STRING HOLD 											
			REMARKS											
LIGHT <input checked="" type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input checked="" type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			Miscalculated wind data. Corrected on 2 nd string.			SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 					

500 YARD SLOW-FIRE PRONE		BEFORE FIRING										EXAMPLE				
ZERO		+ WIND =										HOLD				
		HOLDS IN INCHES 														
		VALUE		5mph		10mph		15mph		20mph		25mph				
				M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4			
		FULL		17	20	35	40	52	60	69	81	87	101			
		HALF		8	10	17	20	26	30	34	40	43	50			
WEATHER DATA				PLOT										AFTER FIRING		
LIGHT <input checked="" type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 				PRECIP <input type="checkbox"/> DRY <input checked="" type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 		
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200 YARD SLOW-FIRE SITTING		BEFORE FIRING										PRACTICE		
ZERO		+ WIND =										HOLD		
		HOLDS IN INCHES												
		5mph		10mph		15mph		20mph		25mph				
		M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4			
		VALUE												
		FULL	2	3	5	5	7	8	9	10	11	19		
		HALF	1	1	2	2	3	4	4	5	5	9		
WEATHER DATA		PLOT										AFTER FIRING		
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)		
DURING FIRING														
1 CALL HOLD													2 HOLD	3 HOLD
4 CALL HOLD													5 HOLD	EX HOLD
													REMARKS	

200 YARD SLOW-FIRE SITTING		BEFORE FIRING										PRACTICE		
ZERO		+ WIND =										HOLD		
		HOLDS IN INCHES												
		5mph		10mph		15mph		20mph		25mph				
		M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4			
		VALUE												
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		HALF	1	1	2	2	3	4	4	5	5	9		
WEATHER DATA		PLOT										AFTER FIRING		
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)		
DURING FIRING														
1 CALL HOLD													2 HOLD	3 HOLD
4 CALL HOLD													5 HOLD	EX HOLD
													REMARKS	

200 YARD RAPID-FIRE SITTING			BEFORE FIRING										PRACTICE																										
ZERO		+	WIND										=	HOLD																									
			HOLDS IN INCHES																																				
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200 YARD RAPID-FIRE SITTING			BEFORE FIRING										PRACTICE																										
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VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4																														
FULL	2	3	5	5	7	8	9	10	11	19																													
HALF	1	1	2	2	3	4	4	5	5	9																													
PLOT 1ST STRING			DURING FIRING										PLOT 2ND STRING																										
			2ND STRING HOLD																																				
			REMARKS																																				
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN		SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)																																		

500 YARD SLOW-FIRE PRONE

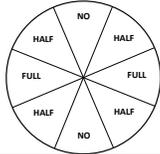
BEFORE FIRING

PRACTICE

ZERO

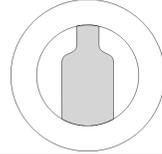
WIND

HOLD



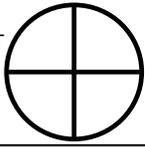
HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50



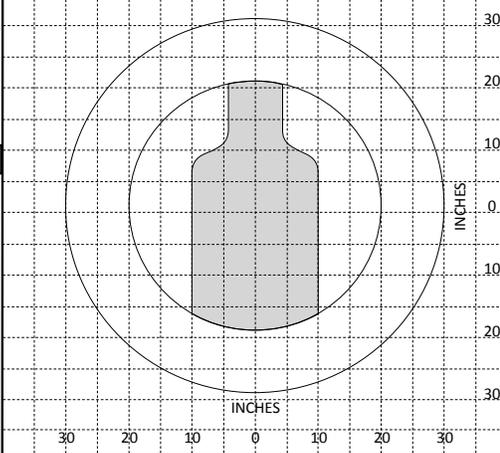
WEATHER DATA

- LIGHT
- OVERCAST
- PARTLY CLOUDY
- CLEAR



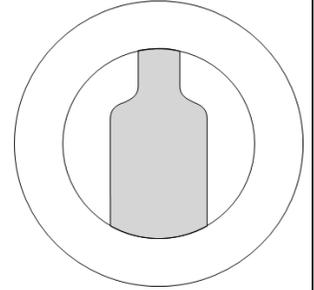
- PRECIP
- DRY LT RAIN
- MIST HVY RAIN

PLOT



AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)



	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					

REMARKS

500 YARD SLOW-FIRE PRONE

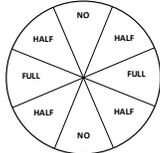
BEFORE FIRING

PRACTICE

ZERO

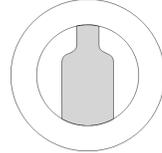
WIND

HOLD



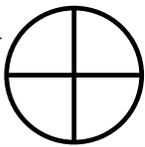
HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50



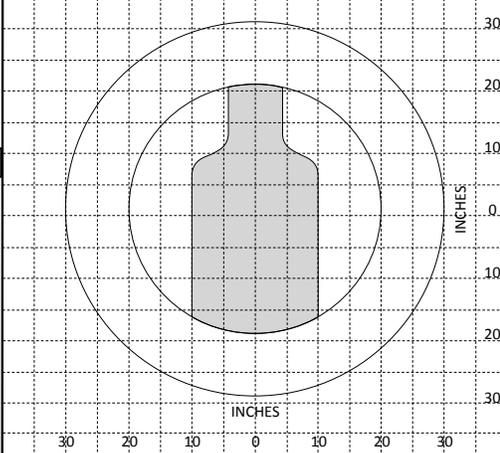
WEATHER DATA

- LIGHT
- OVERCAST
- PARTLY CLOUDY
- CLEAR



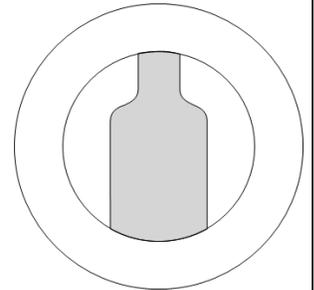
- PRECIP
- DRY LT RAIN
- MIST HVY RAIN

PLOT



AFTER FIRING

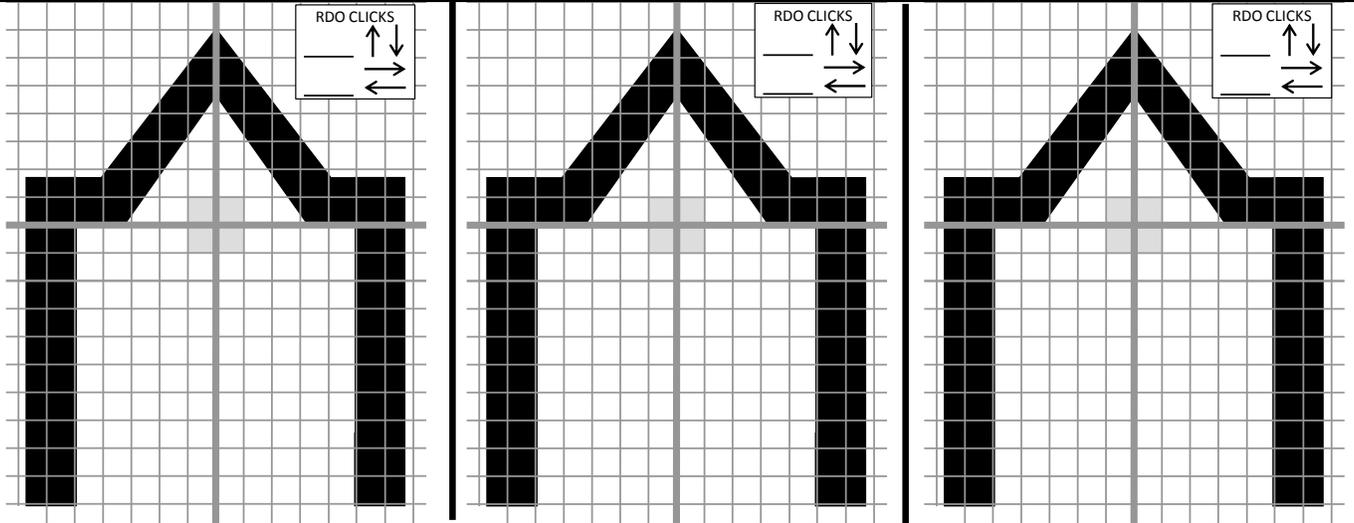
SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)



	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					

REMARKS

36 YD PRE-ZERO SIGHT SETTING



Two major objectives for the exercise:

1. To determine if the weapon can hold a group or is mechanically deficient.
2. To determine if the shooter can apply marksmanship fundamentals.

The steps for grouping are:

1. The shooter fires five rounds at the center target.
2. The coach measures the size of the group to determine if the shooter can hold a nine minute of angle group. The shooter fires the next five rounds on the left target.
3. Repeat step two. The shooter fires the last five rounds on the right target.
4. Repeat step two. If the weapon holds a nine minute of angle group the shooter is done firing. If not, range personnel will fire the weapon. If the weapon does not hold a group, issue the shooter a new weapon and repeat the exercise.

Each square = 1/2 inch

ELEVATION:

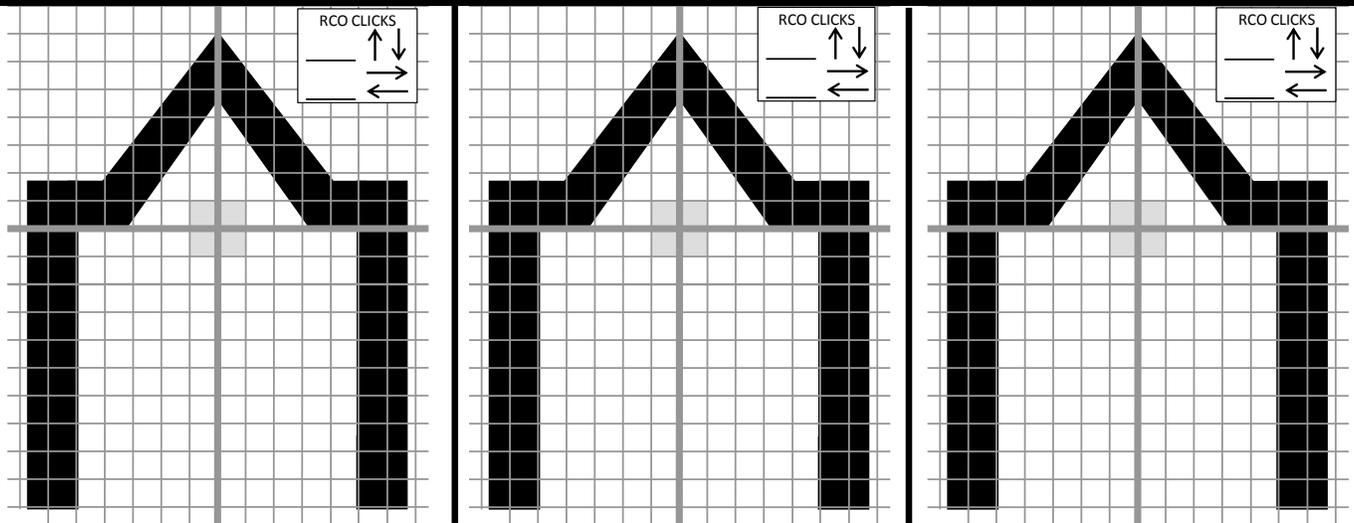
SDO - X clicks = 1 in
M16A4 (BUIS) - 1 click = 1/2 in

WINDAGE:

SDO - X clicks = 1 in
M16A4 - (BUIS) - 3 clicks = 1/2 in

26

36 YD PRE-ZERO SIGHT SETTING



Two major objectives for the exercise:

1. To determine if the weapon can hold a group or is mechanically deficient.
2. To determine if the shooter can apply marksmanship fundamentals.

The steps for grouping are:

1. The shooter fires five rounds at the center target.
2. The coach measures the size of the group to determine if the shooter can hold a nine minute of angle group. The shooter fires the next five rounds on the left target.
3. Repeat step two. The shooter fires the last five rounds on the right target.
4. Repeat step two. If the weapon holds a nine minute of angle group the shooter is done firing. If not, range personnel will fire the weapon. If the weapon does not hold a group, issue the shooter a new weapon and repeat the exercise.

Each square = 1/2 inch

ELEVATION:

RCO - 9 clicks = 1 in
M16A4 (BUIS) - 1 click = 1/2 in

WINDAGE:

RCO - 9 clicks = 1 in
M16A4 - (BUIS) - 3 clicks = 1/2 in

26

100 YARD ZERO BEFORE FIRING TABLE 1

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	1	--	1	1	2	2	2	2	3	3
HALF	½	--	½	½	1	1	1	1	1½	1½

SDO CLICKS

INCHES

LIGHT

- OVERCAST
- PARTLY CLOUDY
- CLEAR

PRECIP

- DRY
- MIST
- LT RAIN
- HVY RAIN

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

(27)

100 YARD ZERO BEFORE FIRING TABLE 1

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	1	--	1	1	2	2	2	2	3	3
HALF	½	--	½	½	1	1	1	1	1½	1½

RCO CLICKS

INCHES

LIGHT

- OVERCAST
- PARTLY CLOUDY
- CLEAR

PRECIP

- DRY
- MIST
- LT RAIN
- HVY RAIN

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

(27)

200 YARD SLOW-FIRE SITTING **BEFORE FIRING** **DAY ONE**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

PLOT

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE SITTING **BEFORE FIRING** **DAY ONE**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

PLOT

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE KNEELING **BEFORE FIRING** **DAY ONE**

ZERO + WIND = **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY LT RAIN

MIST HVY RAIN

PLOT

INCHES

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE KNEELING **BEFORE FIRING** **DAY ONE**

ZERO + WIND = **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY LT RAIN

MIST HVY RAIN

PLOT

INCHES

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										DAY ONE					
ZERO		+ WIND =										HOLD					
		HOLDS IN INCHES															
		5mph		10mph		15mph		20mph		25mph							
		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4							
		FULL		FULL		FULL		FULL		FULL							
		2 3		5 5		7 8		9 10		11 19							
		HALF		HALF		HALF		HALF		HALF							
		1 1		2 2		3 4		4 5		5 9							
WEATHER DATA		PLOT										AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)			
DURING FIRING																	
1														2		3	
CALL														CALL		CALL	
HOLD														HOLD		HOLD	
4		5		EX		REMARKS		REMARKS		REMARKS		REMARKS					
CALL		CALL		CALL		REMARKS		REMARKS		REMARKS		REMARKS					
HOLD		HOLD		HOLD		REMARKS		REMARKS		REMARKS		REMARKS					

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										DAY ONE					
ZERO		+ WIND =										HOLD					
		HOLDS IN INCHES															
		5mph		10mph		15mph		20mph		25mph							
		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4							
		FULL		FULL		FULL		FULL		FULL							
		2 3		5 5		7 8		9 10		11 19							
		HALF		HALF		HALF		HALF		HALF							
		1 1		2 2		3 4		4 5		5 9							
WEATHER DATA		PLOT										AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)			
DURING FIRING																	
1														2		3	
CALL														CALL		CALL	
HOLD														HOLD		HOLD	
4		5		EX		REMARKS		REMARKS		REMARKS		REMARKS					
CALL		CALL		CALL		REMARKS		REMARKS		REMARKS		REMARKS					
HOLD		HOLD		HOLD		REMARKS		REMARKS		REMARKS		REMARKS					

200 YARD SLOW-FIRE ANY POSITION **BEFORE FIRING** **DAY ONE**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY

LT RAIN

MIST

HVY RAIN

PLOT

INCHES

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE ANY POSITION **BEFORE FIRING** **DAY ONE**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY

LT RAIN

MIST

HVY RAIN

PLOT

INCHES

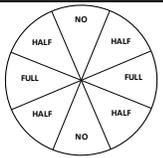
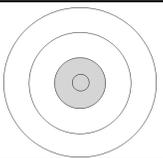
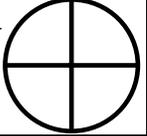
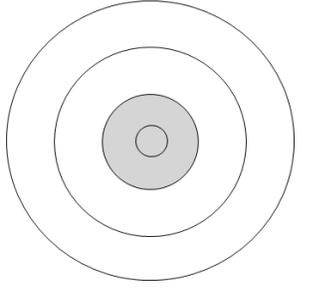
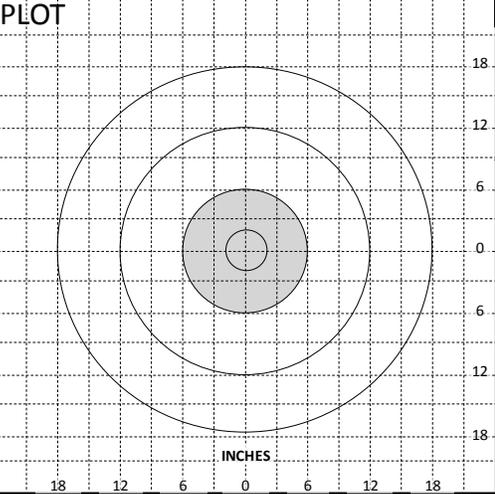
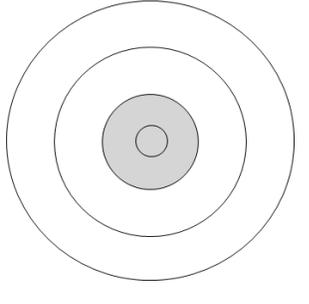
AFTER FIRING

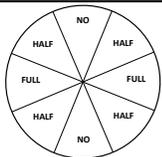
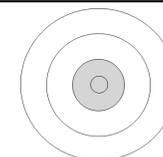
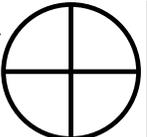
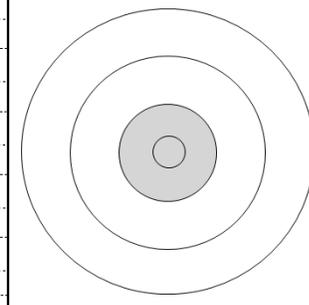
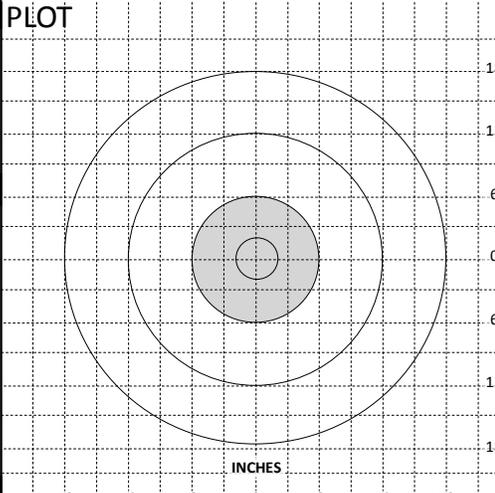
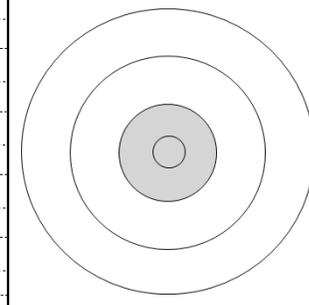
SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

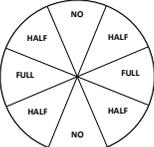
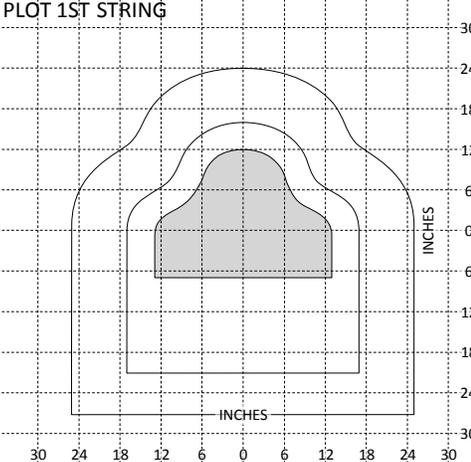
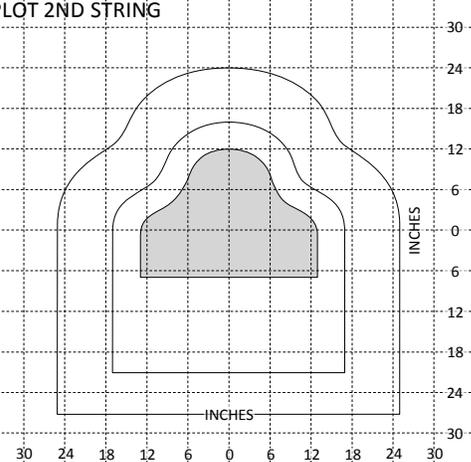
DURING FIRING

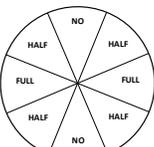
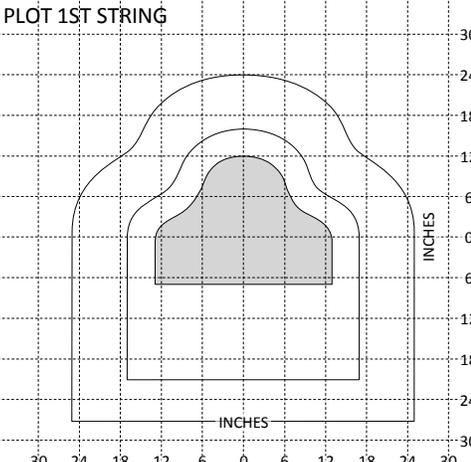
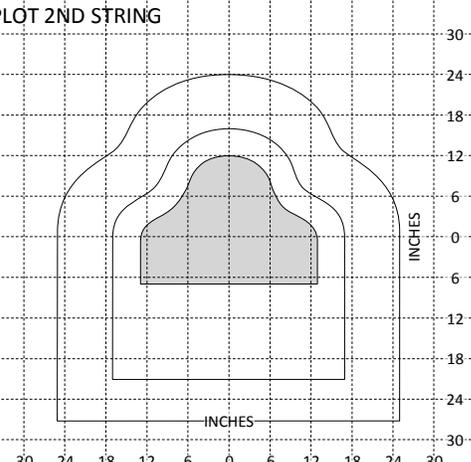
	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

300 YARD SLOW-FIRE SITTING		BEFORE FIRING					DAY ONE					
ZERO		+ WIND =					HOLD					
		HOLDS IN INCHES										
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
		FULL	5	6	11	13	16	18	22	25	27	32
		HALF	2	3	5	6	8	9	11	12	13	16
WEATHER DATA			PLOT					AFTER FIRING				
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR						PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 			
DURING FIRING												
1	2	3										
CALL	HOLD	HOLD										
4	5	EX										
CALL	HOLD	HOLD	REMARKS									
HOLD	HOLD	HOLD										

300 YARD SLOW-FIRE SITTING		BEFORE FIRING					DAY ONE					
ZERO		+ WIND =					HOLD					
		HOLDS IN INCHES										
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
		FULL	5	6	11	13	16	16	22	25	27	32
		HALF	2	3	5	6	8	8	11	12	13	16
WEATHER DATA			PLOT					AFTER FIRING				
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR						PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 			
DURING FIRING												
1	2	3										
CALL	HOLD	HOLD										
4	5	EX										
CALL	HOLD	HOLD	REMARKS									
HOLD	HOLD	HOLD										

300 YARD RAPID-FIRE PRONE										BEFORE FIRING					DAY ONE						
ZERO					+ WIND					=					HOLD						
										HOLDS IN INCHES 											
		VALUE		5mph		10mph		15mph		20mph		25mph									
		M16A4		M4		M16A4		M4		M16A4		M4									
FULL		5		6		11		13		16		16		22		25		27		32	
HALF		2		3		5		6		8		8		11		12		13		16	
PLOT 1ST STRING					DURING FIRING										PLOT 2ND STRING						
					2ND STRING SIGHT PICTURE																
					REMARKS																
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR					PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN					SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)											

300 YARD RAPID-FIRE PRONE										BEFORE FIRING					DAY ONE						
ZERO					+ WIND					=					HOLD						
										HOLDS IN INCHES 											
		VALUE		5mph		10mph		15mph		20mph		25mph									
		M16A4		M4		M16A4		M4		M16A4		M4									
FULL		5		6		11		13		16		16		22		25		27		32	
HALF		2		3		5		6		8		8		11		12		13		16	
PLOT 1ST STRING					DURING FIRING										PLOT 2ND STRING						
					2ND STRING SIGHT PICTURE																
					REMARKS																
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR					PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN					SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)											

500 YARD SLOW-FIRE PRONE **BEFORE FIRING** **DAY ONE**

ZERO + **WIND** = **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50

	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					
	11	12	13	14	15
CALL					
HOLD					

PLOT

INCHES

INCHES

REMARKS

WEATHER DATA

LIGHT TYPE AND DIRECTION

CLEAR OVERCAST

PARTLY CLOUDY

PRECIP

DRY LT RAIN

MIST HVY RAIN

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

500 YARD SLOW-FIRE PRONE **BEFORE FIRING** **DAY ONE**

ZERO + **WIND** = **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50

	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					
	11	12	13	14	15
CALL					
HOLD					

PLOT

INCHES

INCHES

REMARKS

WEATHER DATA

LIGHT TYPE AND DIRECTION

CLEAR OVERCAST

PARTLY CLOUDY

PRECIP

DRY LT RAIN

MIST HVY RAIN

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

200 YARD SLOW-FIRE SITTING **BEFORE FIRING** **DAY TWO**

ZERO HOLD

+ WIND =

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

DURING FIRING

1 CALL HOLD 2 CALL HOLD 3 CALL HOLD

4 CALL HOLD 5 CALL HOLD EX CALL HOLD

PLOT

INCHES

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

REMARKS

200 YARD SLOW-FIRE SITTING **BEFORE FIRING** **DAY TWO**

ZERO HOLD

+ WIND =

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

DURING FIRING

1 CALL HOLD 2 CALL HOLD 3 CALL HOLD

4 CALL HOLD 5 CALL HOLD EX CALL HOLD

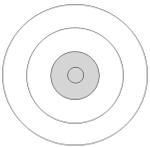
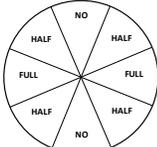
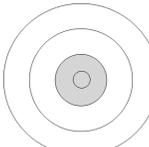
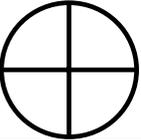
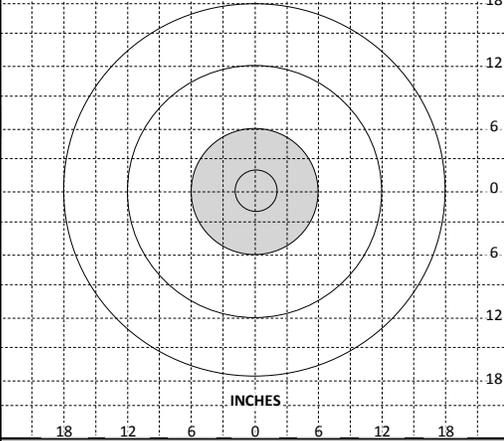
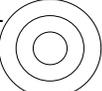
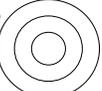
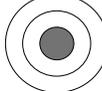
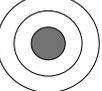
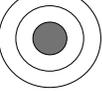
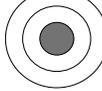
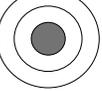
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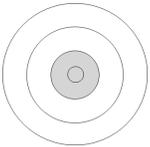
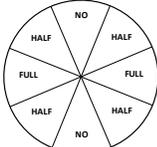
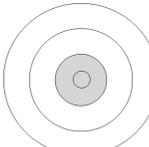
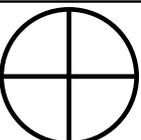
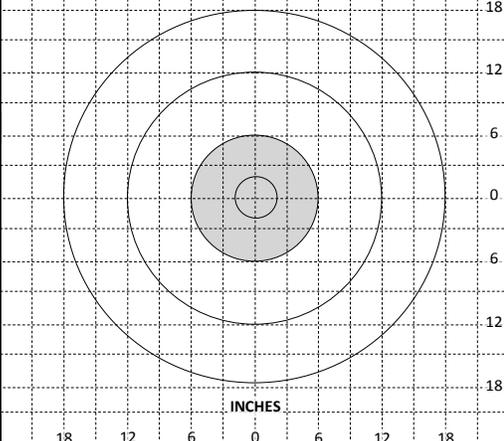
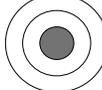
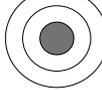
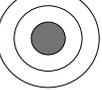
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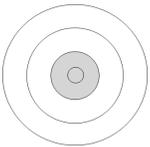
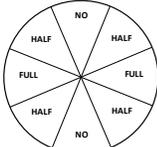
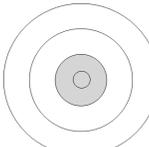
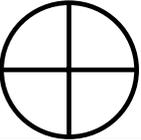
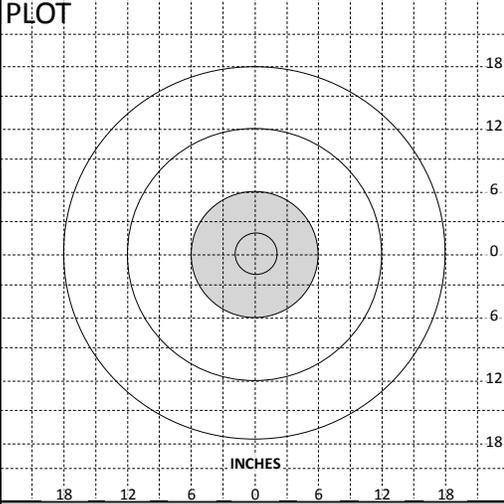
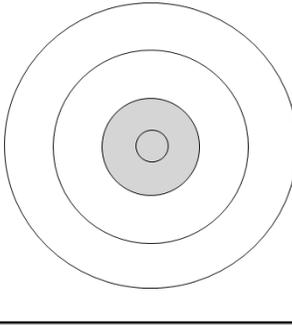
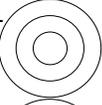
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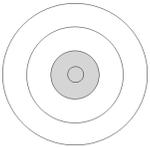
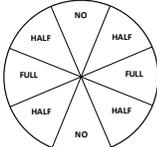
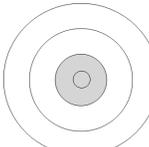
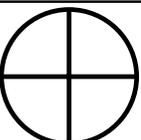
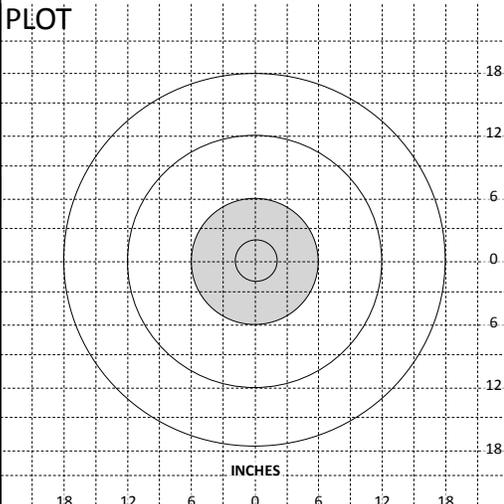
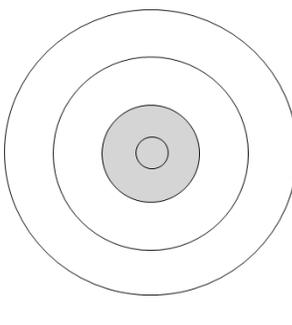
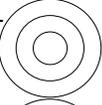
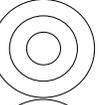
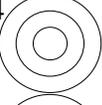
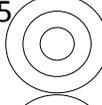
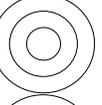
SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

REMARKS

200 YARD SLOW-FIRE KNEELING				BEFORE FIRING										DAY TWO			
ZERO		+ WIND =		HOLDS IN INCHES										HOLD			
																	
				5mph		10mph		15mph		20mph		25mph					
				M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4					
				FULL		FULL		FULL		FULL		FULL					
				HALF		HALF		HALF		HALF		HALF					
WEATHER DATA				PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN												SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
DURING FIRING																REMARKS	
				1		2		3									
CALL																	
HOLD																	
		4		5		EX											
CALL																	
HOLD																	

200 YARD SLOW-FIRE KNEELING				BEFORE FIRING										DAY TWO			
ZERO		+ WIND =		HOLDS IN INCHES										HOLD			
																	
				5mph		10mph		15mph		20mph		25mph					
				M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4					
				FULL		FULL		FULL		FULL		FULL					
				HALF		HALF		HALF		HALF		HALF					
WEATHER DATA				PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN												SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
DURING FIRING																REMARKS	
				1		2		3									
CALL																	
HOLD																	
		4		5		EX											
CALL																	
HOLD																	

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										DAY TWO			
ZERO		+ WIND =										HOLD			
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	2	3	5	5	7	8	9	10	11	19			
		HALF	1	1	2	2	3	4	4	5	5	9			
WEATHER DATA		PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR														SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN															
DURING FIRING		REMARKS													
1  2  3  CALL HOLD HOLD															
4  5  EX  CALL HOLD HOLD															

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										DAY TWO			
ZERO		+ WIND =										HOLD			
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	2	3	5	5	7	8	9	10	11	19			
		HALF	1	1	2	2	3	4	4	5	5	9			
WEATHER DATA		PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR														SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN															
DURING FIRING		REMARKS													
1  2  3  CALL HOLD HOLD															
4  5  EX  CALL HOLD HOLD															

200 YARD SLOW-FIRE ANY POSITION **BEFORE FIRING** **DAY TWO**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY

LT RAIN

MIST

HVY RAIN

PLOT

INCHES

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

DURING FIRING

	1	2	3
CALL			
HOLD			
	4	5	EX
CALL			
HOLD			

REMARKS

200 YARD SLOW-FIRE ANY POSITION **BEFORE FIRING** **DAY TWO**

ZERO + WIND = HOLD

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9

WEATHER DATA

LIGHT

OVERCAST

PARTLY CLOUDY

CLEAR

PRECIP

DRY

LT RAIN

MIST

HVY RAIN

PLOT

INCHES

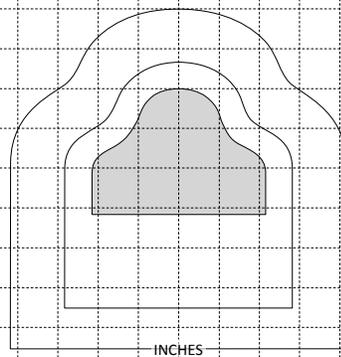
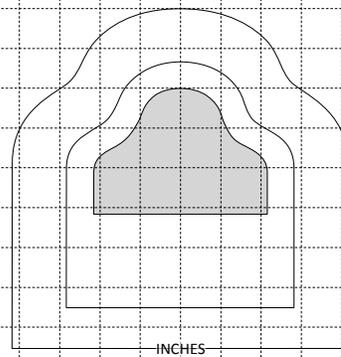
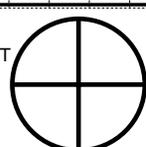
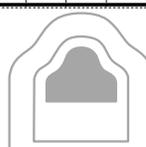
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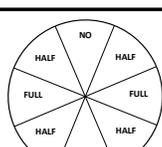
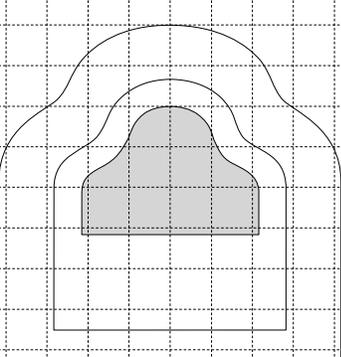
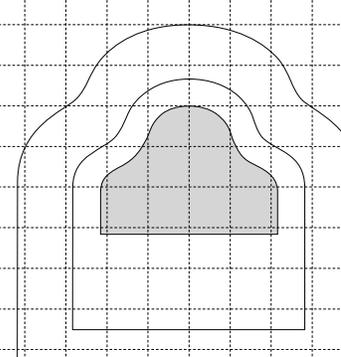
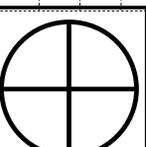
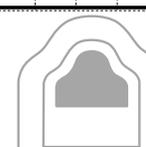
SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

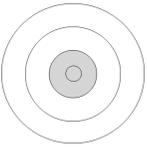
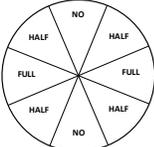
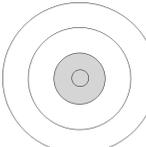
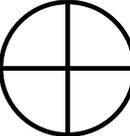
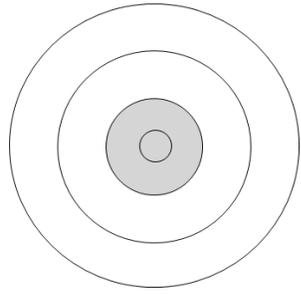
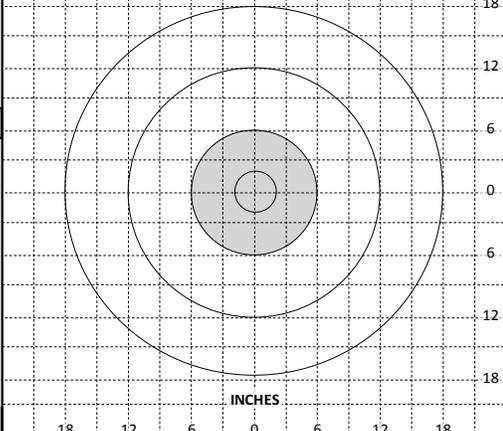
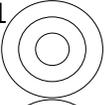
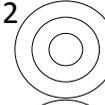
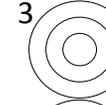
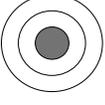
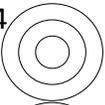
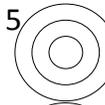
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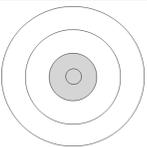
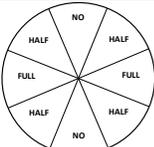
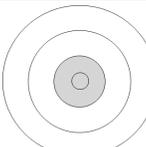
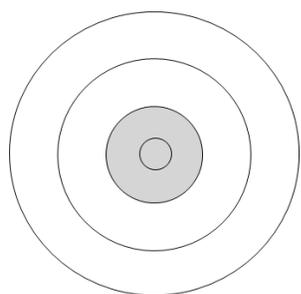
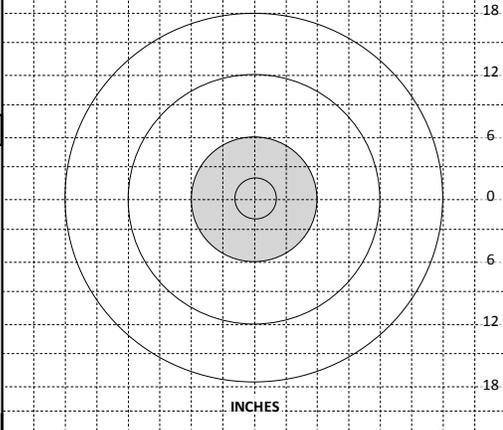
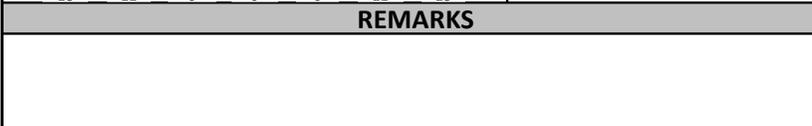
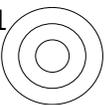
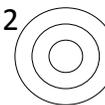
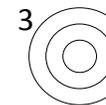
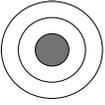
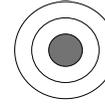
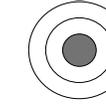
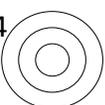
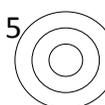
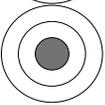
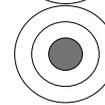
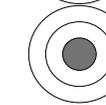
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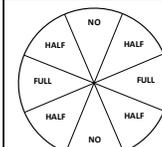
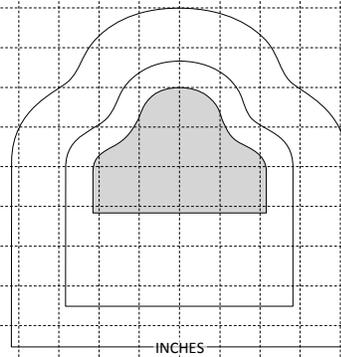
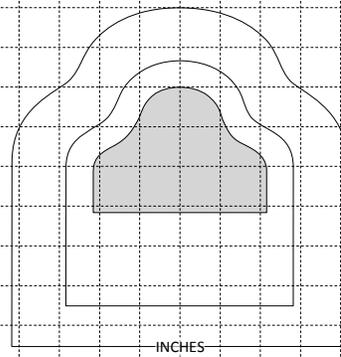
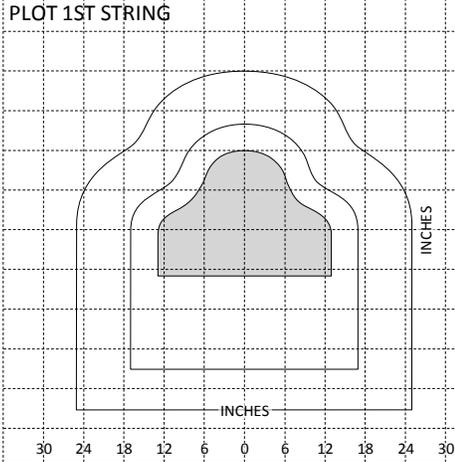
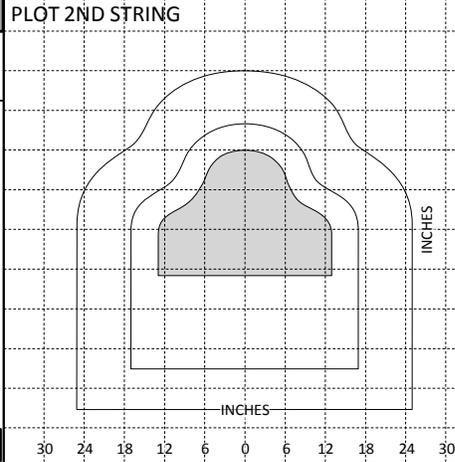
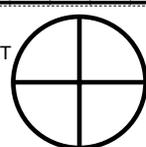
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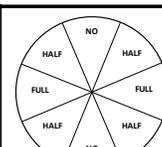
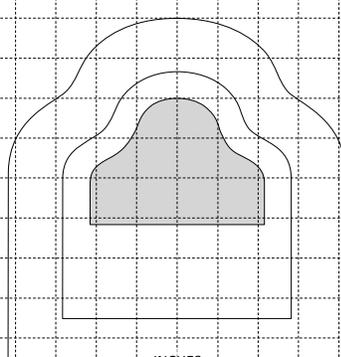
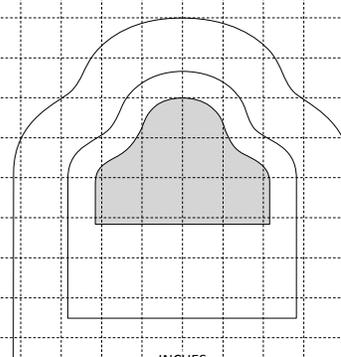
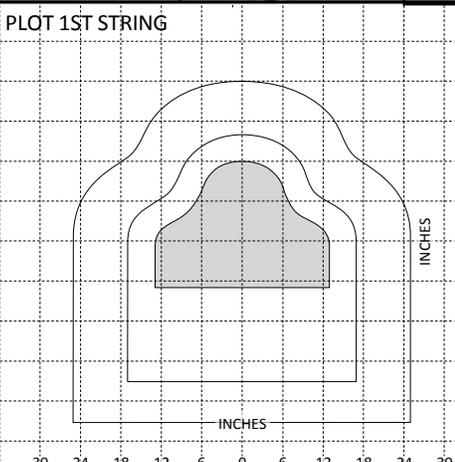
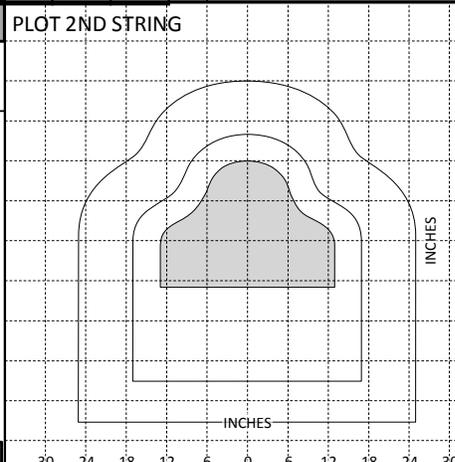
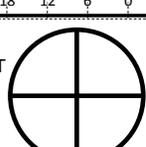
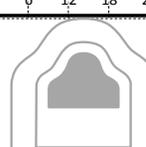
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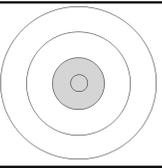
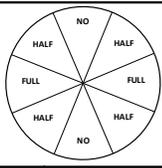
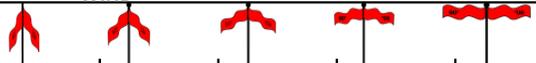
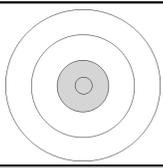
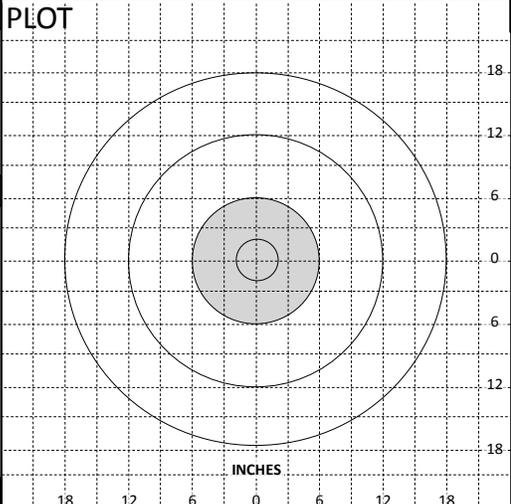
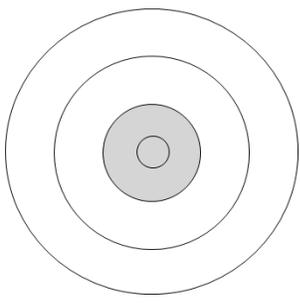
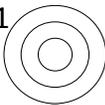
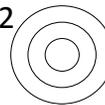
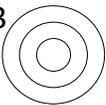
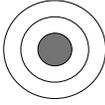
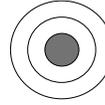
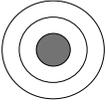
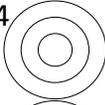
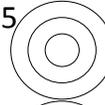
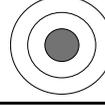
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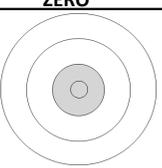
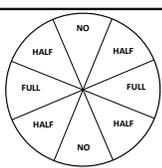
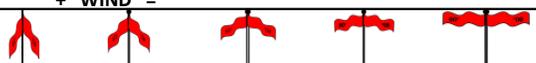
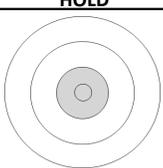
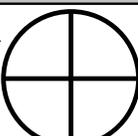
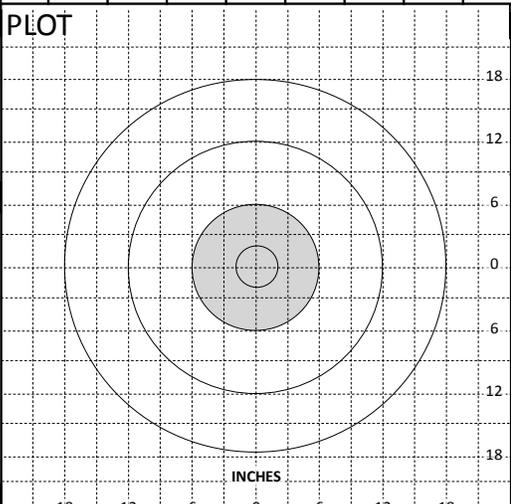
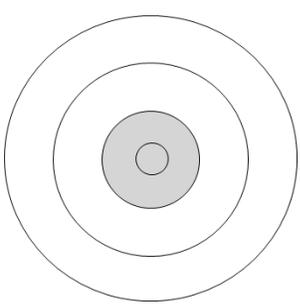
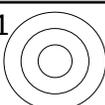
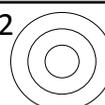
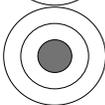
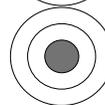
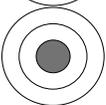
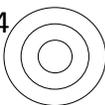
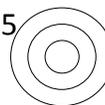
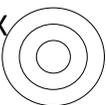
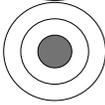
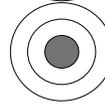
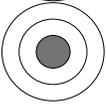
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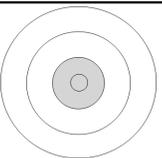
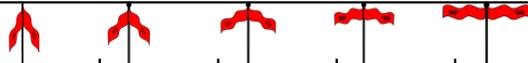
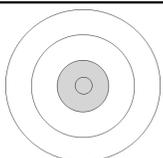
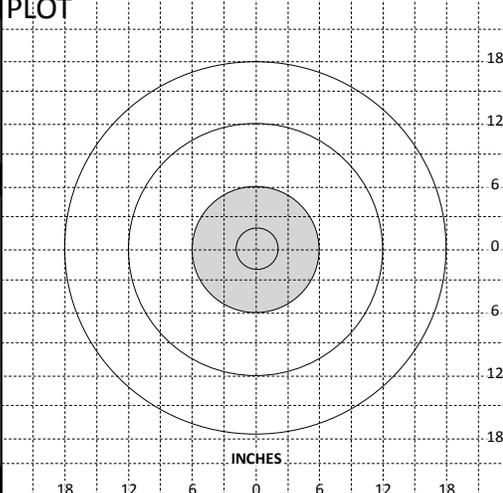
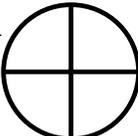
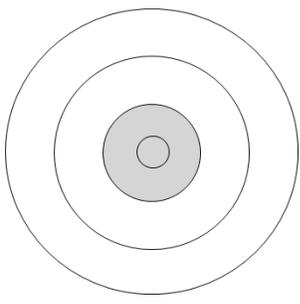
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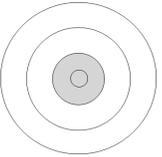
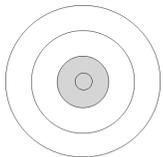
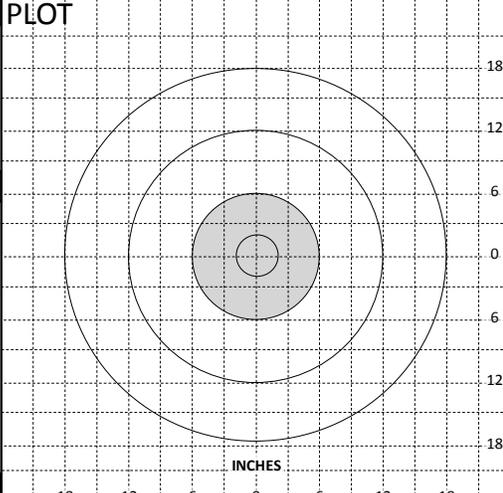
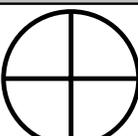
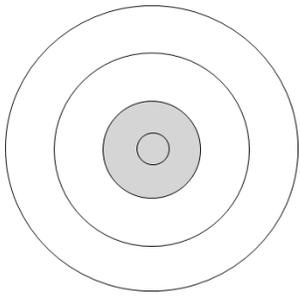
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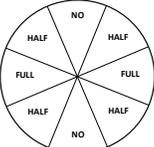
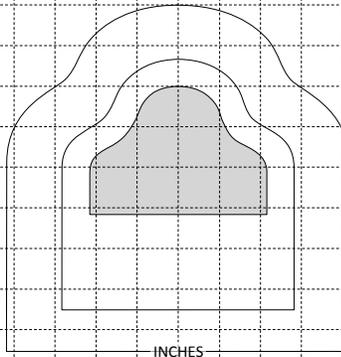
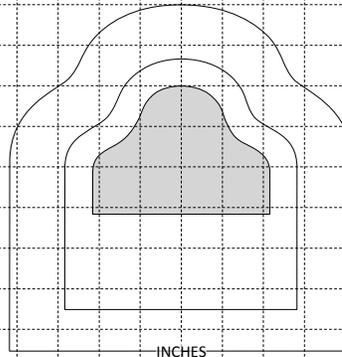
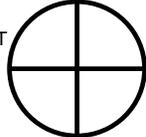
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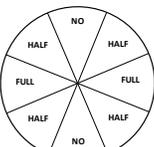
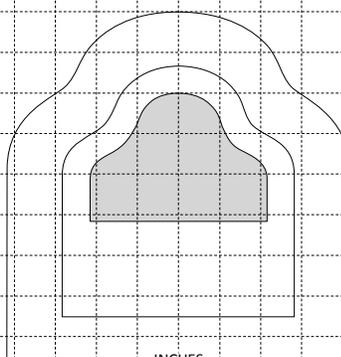
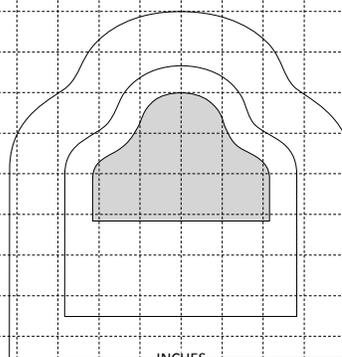
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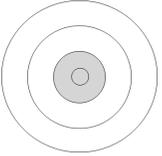
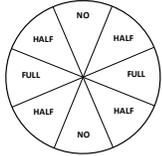
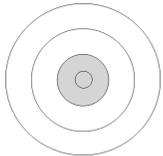
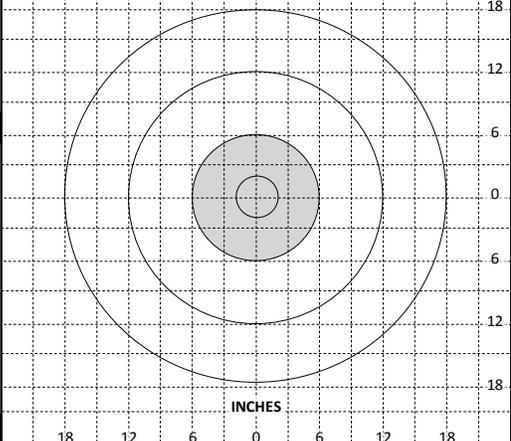
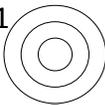
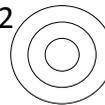
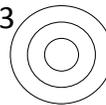
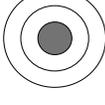
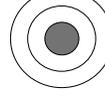
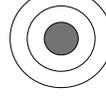
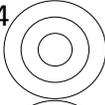
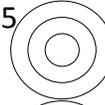
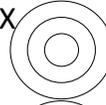
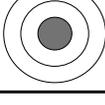
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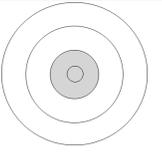
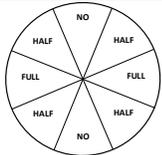
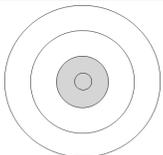
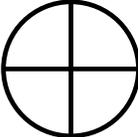
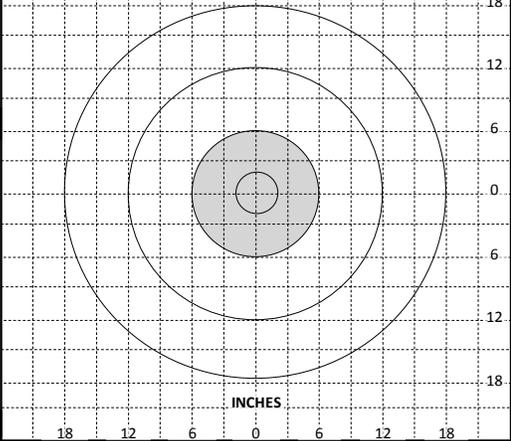
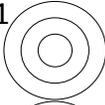
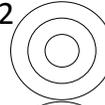
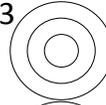
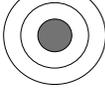
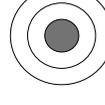
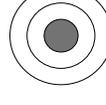
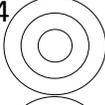
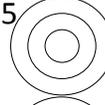
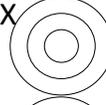
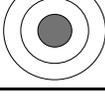
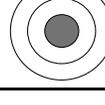
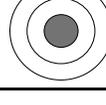
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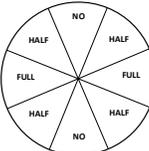
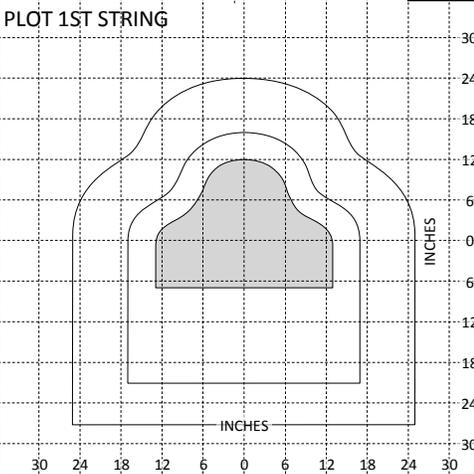
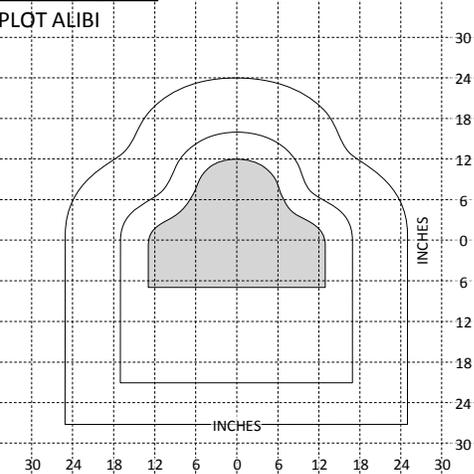
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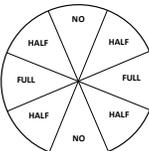
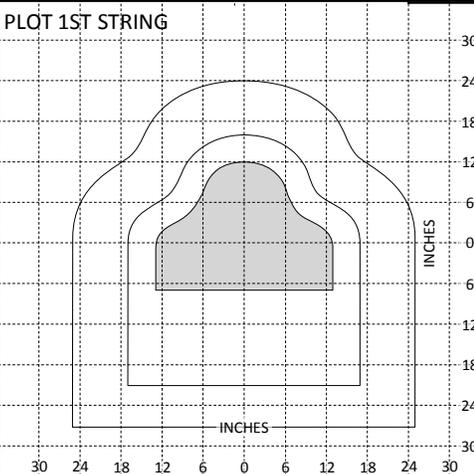
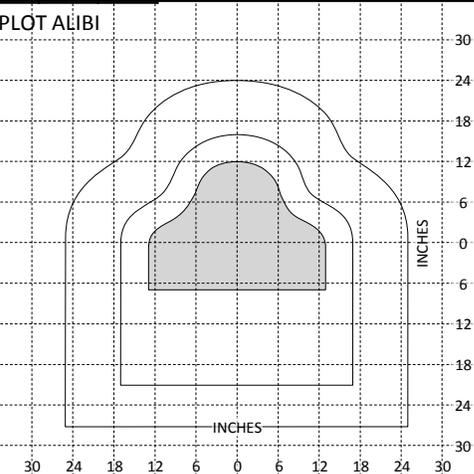
200 YARD RAPID-FIRE SITTING		BEFORE FIRING										DAY THREE EVALUATION		
ZERO		+ WIND =										HOLD		
		HOLDS IN INCHES												
		5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	2	3	5	5	7	8	9	10	11	19		
		HALF	1	1	2	2	3	4	4	5	5	9		
PLOT 1ST STRING		DURING FIRING										PLOT ALIBI		
		ALIBI HOLD												
INCHES		REMARKS										INCHES		
30 24 18 12 6 0 6 12 18 24 30		30 24 18 12 6 0 6 12 18 24 30										30 24 18 12 6 0 6 12 18 24 30		
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN		SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)								

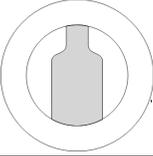
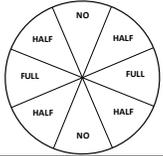
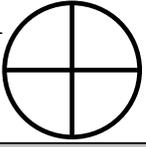
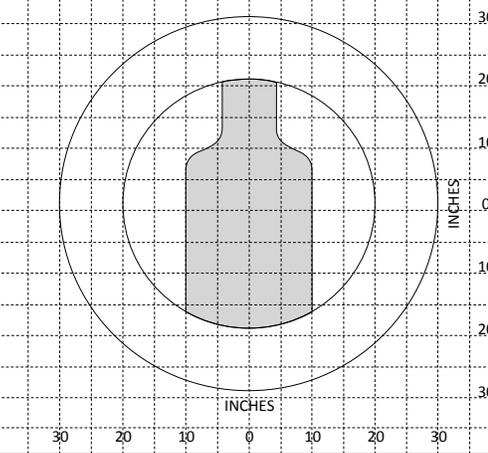
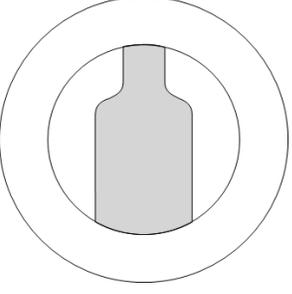
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		FULL	2	3	5	5	7	8	9	10	11	19		
		HALF	1	1	2	2	3	4	4	5	5	9		
PLOT 1ST STRING		DURING FIRING										PLOT ALIBI		
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LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR				PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN		SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)								

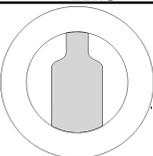
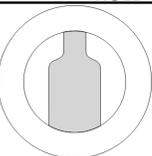
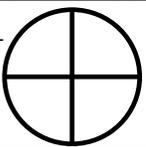
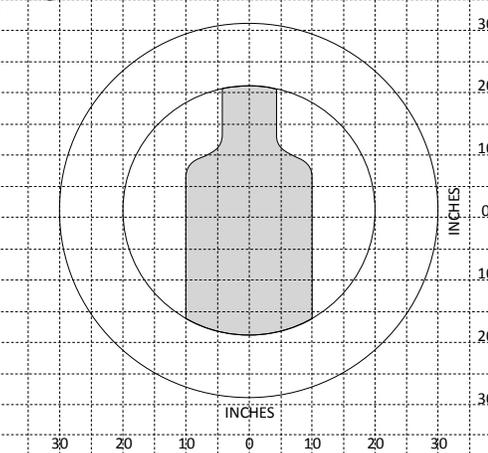
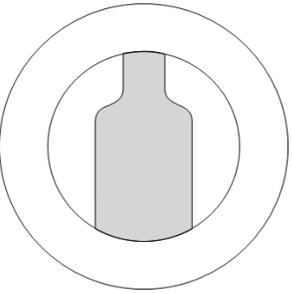
300 YARD SLOW-FIRE SITTING			BEFORE FIRING										DAY THREE EVALUATION				
ZERO				+ WIND =										HOLD			
			HOLDS IN INCHES														
			5mph		10mph		15mph		20mph		25mph						
			M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4						
			FULL		FULL		FULL		FULL		FULL						
			5		6		11		13		16		16				
			HALF		HALF		HALF		HALF		HALF		HALF				
			2		3		5		6		8		8				
WEATHER DATA			PLOT										AFTER FIRING				
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DURING FIRING			1		2											3	
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300 YARD SLOW-FIRE SITTING			BEFORE FIRING										DAY THREE EVALUATION				
ZERO				+ WIND =										HOLD			
			HOLDS IN INCHES														
			5mph		10mph		15mph		20mph		25mph						
			M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4		M16A4 M4						
			FULL		FULL		FULL		FULL		FULL						
			5		6		11		13		16		16				
			HALF		HALF		HALF		HALF		HALF		HALF				
			2		3		5		6		8		8				
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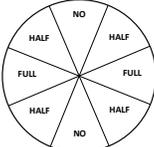
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ZERO		+	WIND					=	HOLD			
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		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
		FULL	5	6	11	13	16	16	22	25	27	32
		HALF	2	3	5	6	8	8	11	12	13	16
PLOT 1ST STRING			DURING FIRING					PLOT ALIBI				
			ALIBI HOLD									
INCHES			REMARKS					INCHES				
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR			PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN					SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)				

300 YARD RAPID-FIRE PRONE			BEFORE FIRING					DAY THREE EVALUATION				
ZERO		+	WIND					=	HOLD			
		HOLDS IN INCHES										
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
		FULL	5	6	11	13	16	16	22	25	27	32
		HALF	2	3	5	6	8	8	11	12	13	16
PLOT 1ST STRING			DURING FIRING					PLOT ALIBI				
			ALIBI HOLD									
INCHES			REMARKS					INCHES				
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500 YARD SLOW-FIRE PRONE		BEFORE FIRING		DAY THREE EVALUATION																																												
ZERO	+ WIND =	HOLDS IN INCHES		HOLD																																												
																																																
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VALUE	5mph		10mph		15mph		20mph		25mph																																							
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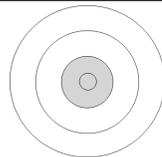
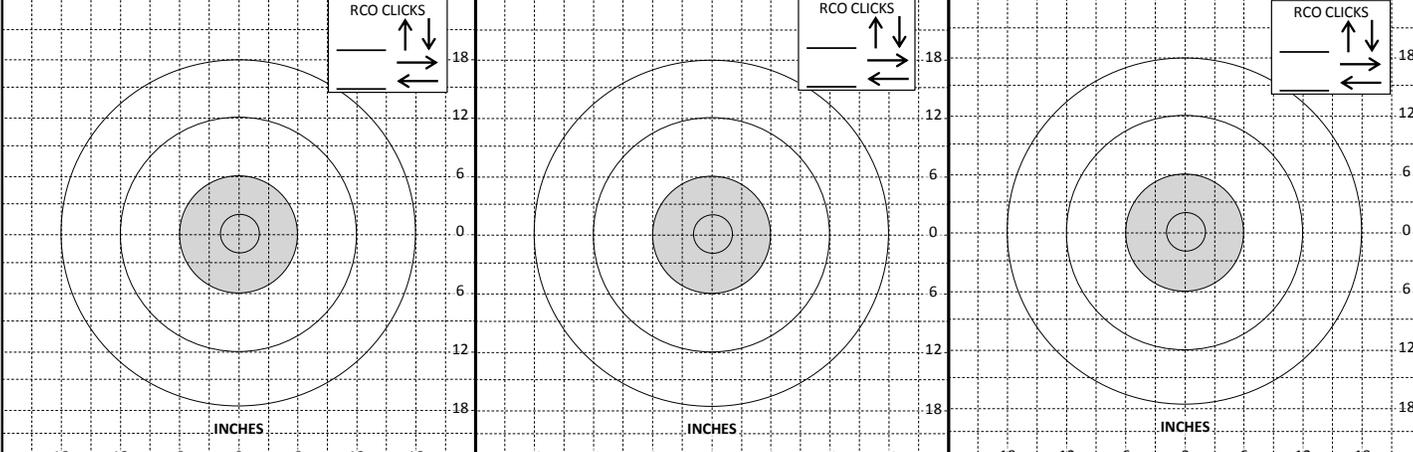
ZERO **+** **WIND** **=** **HOLD**

HOLDS IN INCHES

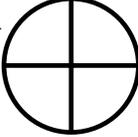


VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	1	--	1	1	2	2	2	2	3	3
HALF	½	--	½	½	1	1	1	1	1½	1½

LIGHT

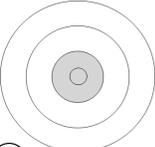
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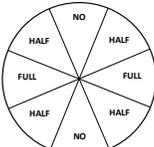
PRECIP

DRY LT RAIN MIST HVY RAIN

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)



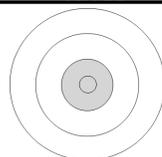
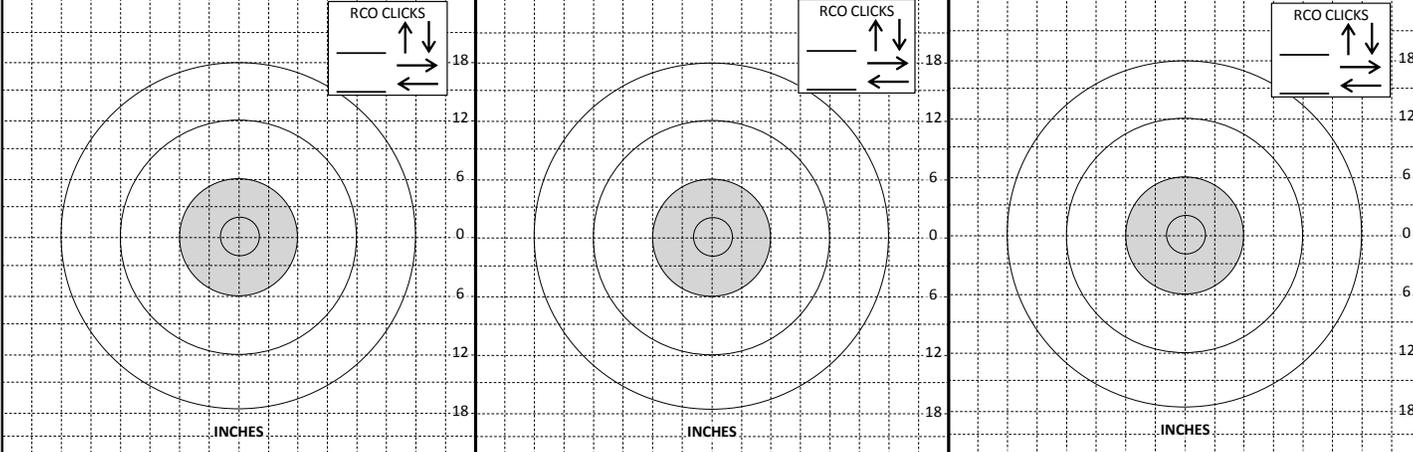
ZERO **+** **WIND** **=** **HOLD**

HOLDS IN INCHES

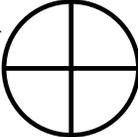


VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	1	--	1	1	2	2	2	2	3	3
HALF	½	--	½	½	1	1	1	1	1½	1½

LIGHT

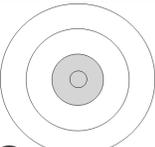
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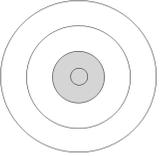
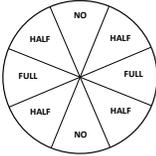
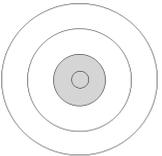
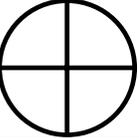
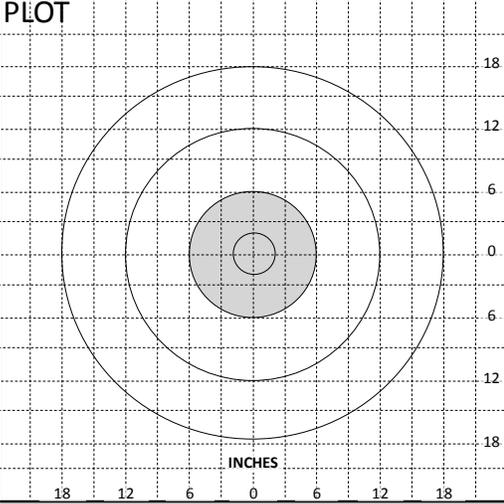
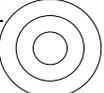
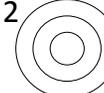
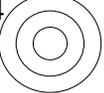
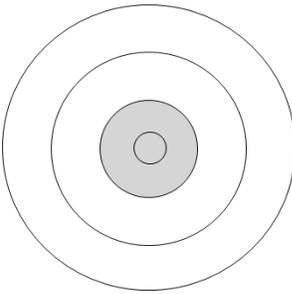


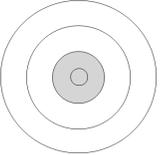
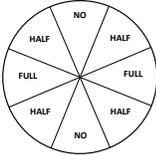
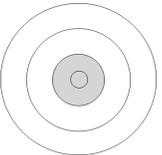
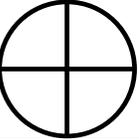
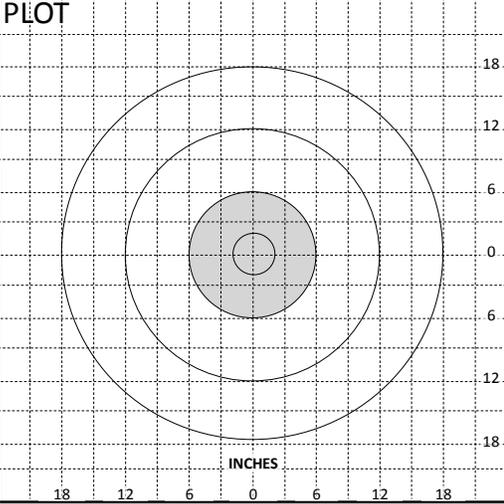
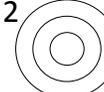
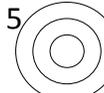
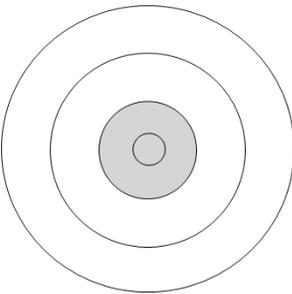
PRECIP

DRY LT RAIN MIST HVY RAIN

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

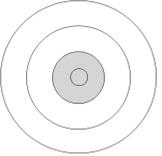
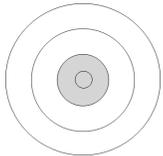
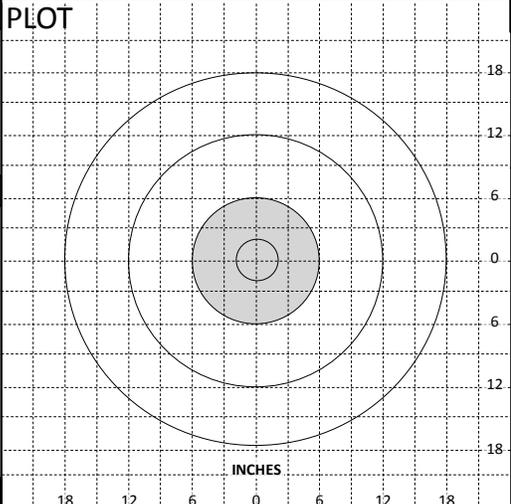
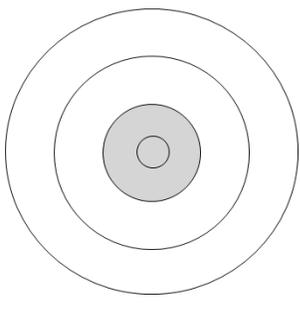


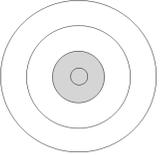
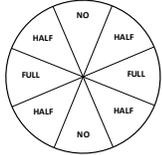
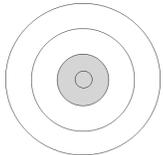
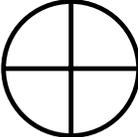
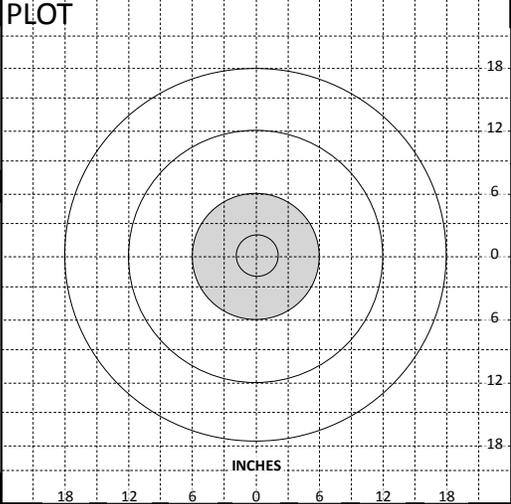
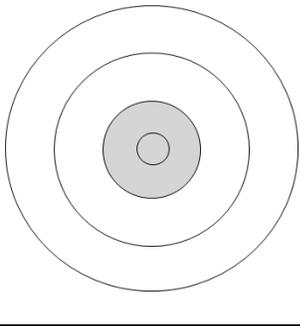
200 YARD SLOW-FIRE SITTING		BEFORE FIRING										TABLE 1 R1			
ZERO		+ WIND =										HOLD			
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	2	3	5	5	7	8	9	10	11	19			
		HALF	1	1	2	2	3	4	4	5	5	9			
WEATHER DATA		PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> MIST <input type="checkbox"/> LT RAIN <input type="checkbox"/> HVY RAIN												SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
DURING FIRING														REMARKS	
1  2  3  CALL HOLD HOLD		4  5  EX  CALL HOLD HOLD													

200 YARD SLOW-FIRE SITTING		BEFORE FIRING										TABLE 1 R1			
ZERO		+ WIND =										HOLD			
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	2	3	5	5	7	8	9	10	11	19			
		HALF	1	1	2	2	3	4	4	5	5	9			
WEATHER DATA		PLOT										AFTER FIRING			
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> MIST <input type="checkbox"/> LT RAIN <input type="checkbox"/> HVY RAIN												SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
DURING FIRING														REMARKS	
1  2  3  CALL HOLD HOLD		4  5  EX  CALL HOLD HOLD													

200 YARD SLOW-FIRE KNEELING			BEFORE FIRING										TABLE 1 R1		
ZERO			+ WIND =										HOLD		
			HOLDS IN INCHES												
			VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4			
			FULL	2	3	5	5	7	8	9	10	11			19
WEATHER DATA LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			PLOT 										AFTER FIRING SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 		
															DURING FIRING 1 2 3 CALL HOLD HOLD 4 5 EX CALL HOLD HOLD

200 YARD SLOW-FIRE KNEELING			BEFORE FIRING										TABLE 1 R1		
ZERO			+ WIND =										HOLD		
			HOLDS IN INCHES												
			VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4			
			FULL	2	3	5	5	7	8	9	10	11			19
WEATHER DATA LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN			PLOT 										AFTER FIRING SIGHT PICTURE ADJUSTMENT (WITHOUT WIND) 		
															DURING FIRING 1 2 3 CALL HOLD HOLD 4 5 EX CALL HOLD HOLD

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										TABLE 1 R1					
ZERO		+ WIND =										HOLD					
		HOLDS IN INCHES															
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4						
		FULL	2	3	5	5	7	8	9	10	11	19					
		HALF	1	1	2	2	3	4	4	5	5	9					
WEATHER DATA		PLOT										AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)					
DURING FIRING																	
1	2													3	EX		
CALL	HOLD													CALL	HOLD	CALL	HOLD
4	5													CALL	HOLD	CALL	HOLD
		REMARKS															

200 YARD SLOW-FIRE STANDING		BEFORE FIRING										TABLE 1 R1					
ZERO		+ WIND =										HOLD					
		HOLDS IN INCHES															
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4						
		FULL	2	3	5	5	7	8	9	10	11	19					
		HALF	1	1	2	2	3	4	4	5	5	9					
WEATHER DATA		PLOT										AFTER FIRING					
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR 		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN										SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)					
DURING FIRING																	
1	2													3	EX		
CALL	HOLD													CALL	HOLD	CALL	HOLD
4	5													CALL	HOLD	CALL	HOLD
		REMARKS															

200 YARD RAPID-FIRE SITTING

BEFORE FIRING

TABLE 1 R1

ZERO **+** **WIND** **=** **HOLD**



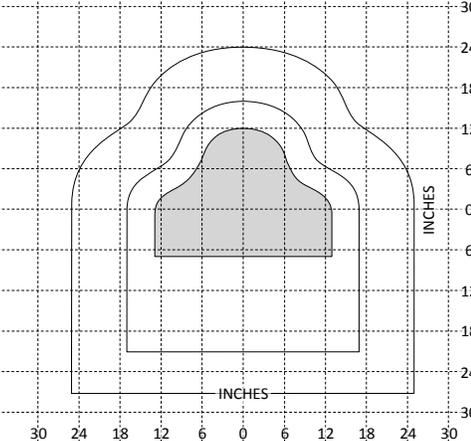
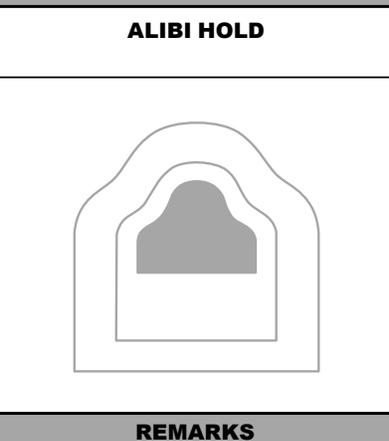
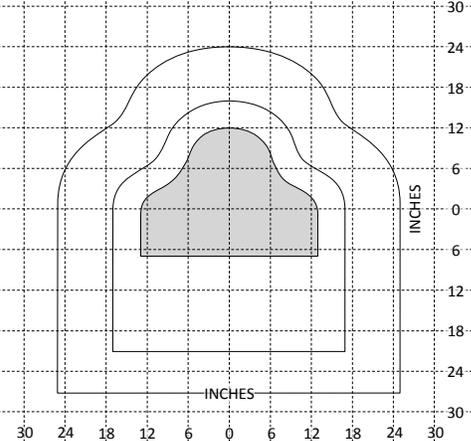

HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9



PLOT 1ST STRING **DURING FIRING** **PLOT ALIBI**

ALIBI HOLD

REMARKS

LIGHT **PRECIP**

OVERCAST DRY LT RAIN

PARTLY CLOUDY MIST HVY RAIN

CLEAR

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

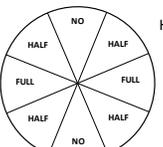


200 YARD RAPID-FIRE SITTING

BEFORE FIRING

TABLE 1 R1

ZERO **+** **WIND** **=** **HOLD**

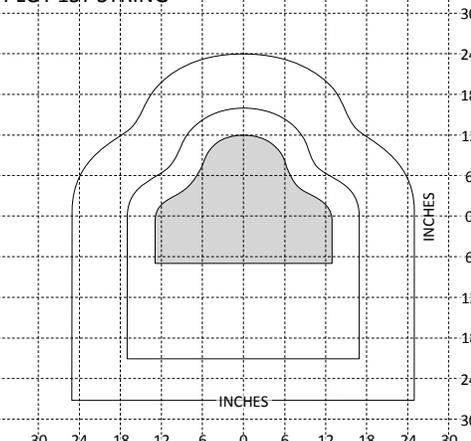
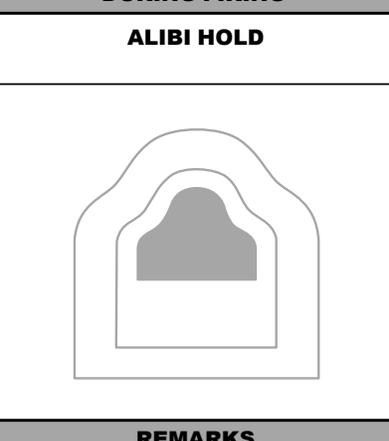
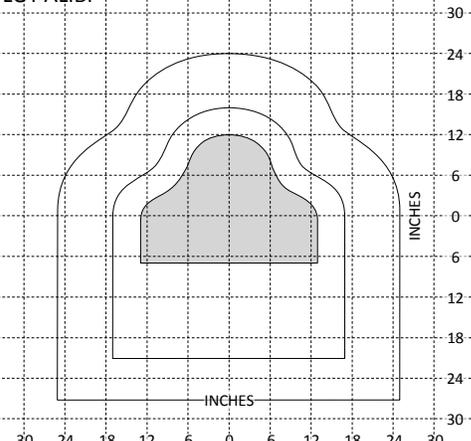
HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	2	3	5	5	7	8	9	10	11	19
HALF	1	1	2	2	3	4	4	5	5	9



PLOT 1ST STRING **DURING FIRING** **PLOT ALIBI**

ALIBI HOLD

REMARKS

LIGHT **PRECIP**

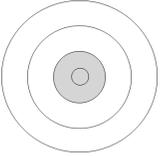
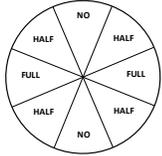
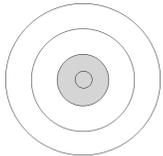
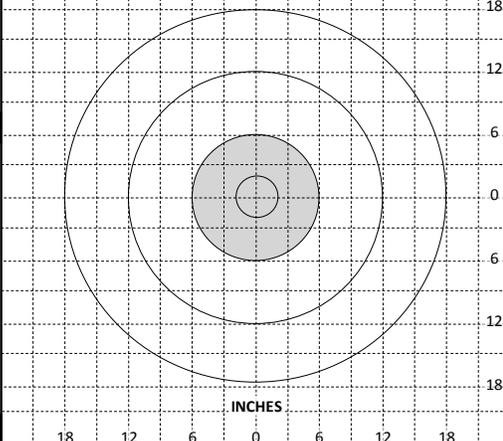
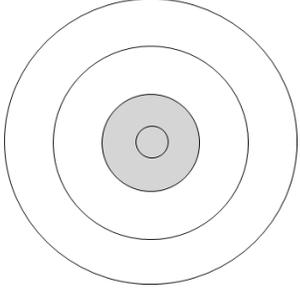
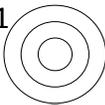
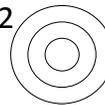
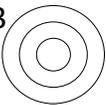
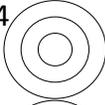
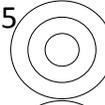
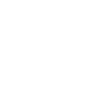
OVERCAST DRY LT RAIN

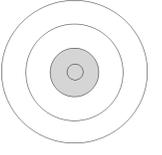
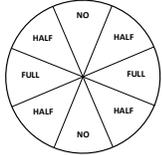
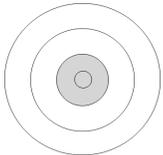
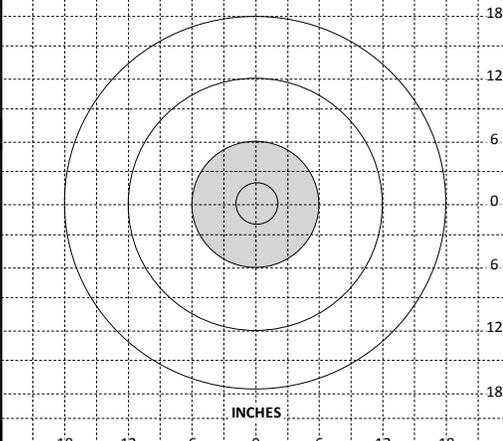
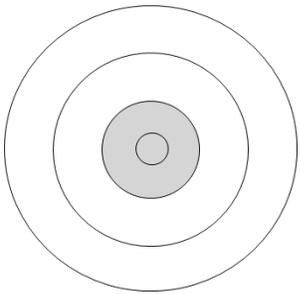
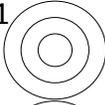
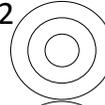
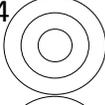
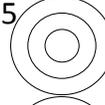
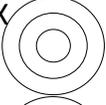
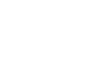
PARTLY CLOUDY MIST HVY RAIN

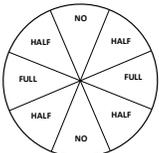
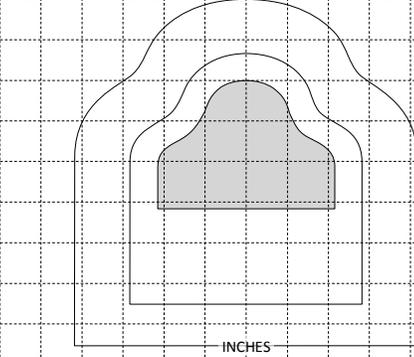
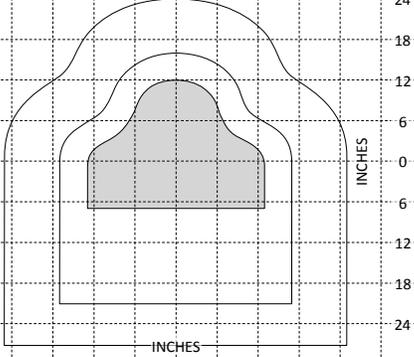
CLEAR

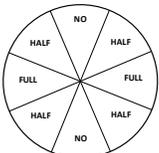
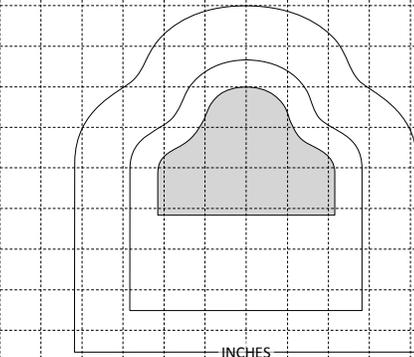
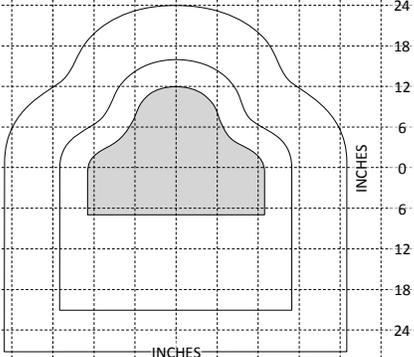
SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)



300 YARD SLOW-FIRE SITTING			BEFORE FIRING										TABLE 1 R1	
ZERO		+ WIND =										HOLD		
		HOLDS IN INCHES												
		5mph		10mph		15mph		20mph		25mph				
		VALUE	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4		
		FULL	5	6	11	13	16	16	22	25	27	32		
		HALF	2	3	5	6	8	8	11	12	13	16		
WEATHER DATA			PLOT										AFTER FIRING	
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR													SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN														
DURING FIRING			REMARKS											
1  2  3  CALL HOLD HOLD														
4  5  EX  CALL HOLD HOLD														
1  2  3  CALL HOLD HOLD														
4  5  EX  CALL HOLD HOLD														

300 YARD SLOW-FIRE SITTING			BEFORE FIRING										TABLE 1 R1	
ZERO		+ WIND =										HOLD		
		HOLDS IN INCHES												
		5mph		10mph		15mph		20mph		25mph				
		VALUE	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4	M16A4	M4		
		FULL	5	6	11	13	16	16	22	25	27	32		
		HALF	2	3	5	6	8	8	11	12	13	16		
WEATHER DATA			PLOT										AFTER FIRING	
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR													SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)	
PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN														
DURING FIRING			REMARKS											
1  2  3  CALL HOLD HOLD														
4  5  EX  CALL HOLD HOLD														
1  2  3  CALL HOLD HOLD														
4 5 EX CALL HOLD HOLD														

300 YARD RAPID-FIRE PRONE			BEFORE FIRING										TABLE 1 R1		
ZERO		+	WIND										=	HOLD	
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	5	6	11	13	16	16	22	25	27	32			
		HALF	2	3	5	6	8	8	11	12	13	16			
PLOT 1ST STRING	DURING FIRING												PLOT ALIBI		
	ALIBI HOLD														
INCHES	REMARKS												INCHES		
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN		SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)											

300 YARD RAPID-FIRE PRONE			BEFORE FIRING										TABLE 1 R1		
ZERO		+	WIND										=	HOLD	
		HOLDS IN INCHES													
		VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4				
		FULL	5	6	11	13	16	16	22	25	27	32			
		HALF	2	3	5	6	8	8	11	12	13	16			
PLOT 1ST STRING	DURING FIRING												PLOT ALIBI		
	ALIBI HOLD														
INCHES	REMARKS												INCHES		
LIGHT <input type="checkbox"/> OVERCAST <input type="checkbox"/> PARTLY CLOUDY <input type="checkbox"/> CLEAR		PRECIP <input type="checkbox"/> DRY <input type="checkbox"/> LT RAIN <input type="checkbox"/> MIST <input type="checkbox"/> HVY RAIN		SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)											

500 YARD SLOW-FIRE PRONE

BEFORE FIRING

TABLE 1 R1

ZERO **WIND** **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50

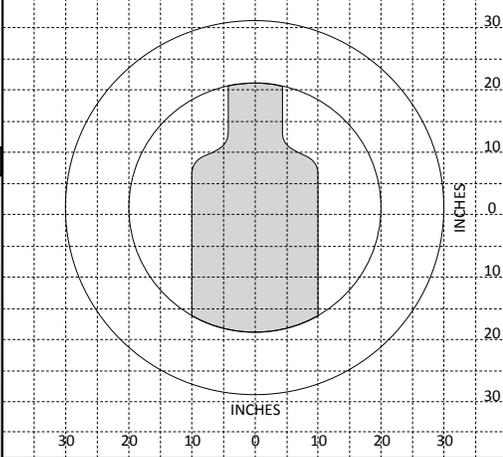
WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					

PLOT



REMARKS

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

500 YARD SLOW-FIRE PRONE

BEFORE FIRING

TABLE 1 R1

ZERO **WIND** **HOLD**

HOLDS IN INCHES

VALUE	5mph		10mph		15mph		20mph		25mph	
	M16A4	M4								
FULL	17	20	35	40	52	60	69	81	87	101
HALF	8	10	17	20	26	30	34	40	43	50

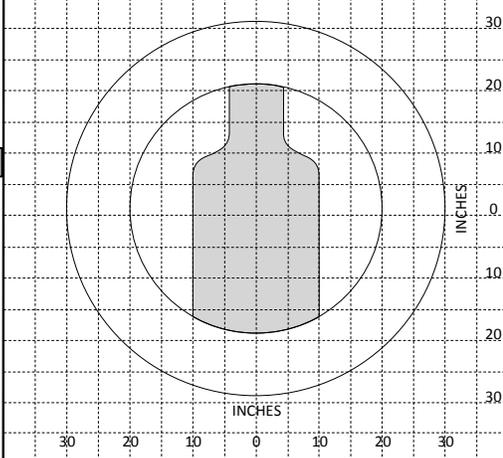
WEATHER DATA

LIGHT OVERCAST PARTLY CLOUDY CLEAR

PRECIP DRY LT RAIN MIST HVY RAIN

	1	2	3	4	5
CALL					
HOLD					
	6	7	8	9	10
CALL					
HOLD					

PLOT



REMARKS

AFTER FIRING

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

TABLE 2

SHOT DELIVERY

CONTROLLED PAIR	Two shots in quick succession to the torso with a separate sight picture for each shot. A Controlled Pair is an immediate target engagement technique for targets greater than 15 yards.
FAILURE TO STOP	This is a controlled pair to the torso followed by an additional shot to an alternate aiming point ("T-Box" or Pelvic Girdle).
"BOX DRILL"	<p>A method of engaging multiple targets:</p> <ol style="list-style-type: none"> 1) Start with the greatest threat and fire a pair to the torso. Utilize the recoil of the last shot and present your weapon to the next target and fire another pair. 2) Assess the same target. Then, if required, engage an alternate aim point. 3) Utilize the recoil of the last shot and present your weapon to an alternate aim point on the first target. Aim and fire a single shot. Follow through back to the same alternate aim point and then assess both targets. <p>This is referred to as a box drill due to its square method of shot placement.</p>

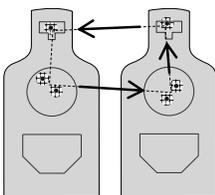


TABLE 2

SHOT DELIVERY

CONTROLLED PAIR	Two shots in quick succession to the torso with a separate sight picture for each shot. A Controlled Pair is an immediate target engagement technique for targets greater than 15 yards.
FAILURE TO STOP	This is a controlled pair to the torso followed by an additional shot to an alternate aiming point ("T-Box" or Pelvic Girdle).
"BOX DRILL"	<p>A method of engaging multiple targets:</p> <ol style="list-style-type: none"> 1) Start with the greatest threat and fire a pair to the torso. Utilize the recoil of the last shot and present your weapon to the next target and fire another pair. 2) Assess the same target. Then, if required, engage an alternate aim point. 3) Utilize the recoil of the last shot and present your weapon to an alternate aim point on the first target. Aim and fire a single shot. Follow through back to the same alternate aim point and then assess both targets. <p>This is referred to as a box drill due to its square method of shot placement.</p>

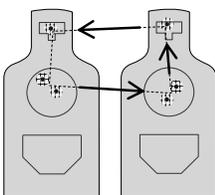
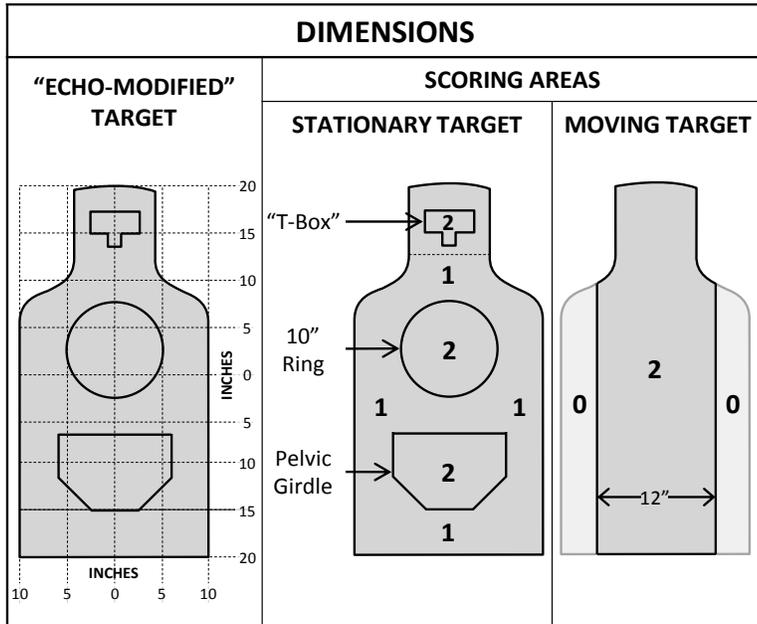
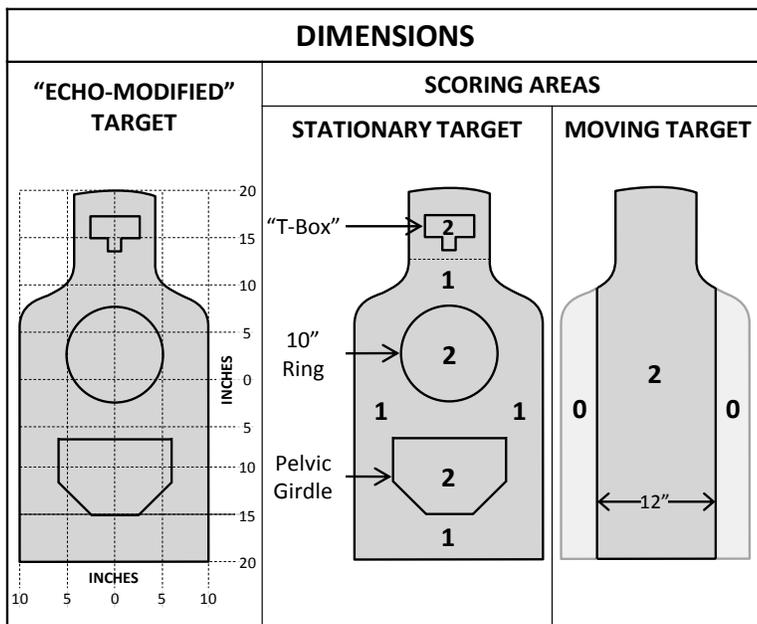


TABLE 2 TARGETS



AIMING POINTS	
"T-Box"	A shot placed in the "T-Box" of a human will destroy the brain and cause immediate incapacitation and loss of life.
10" Ring	A shot through the heart or the connecting vascular structure will likely cause the target to bleed to death within 10-30 seconds.
Pelvic Girdle	Destruction of the pelvic bone will likely cause the target to become immobile, which will allow you more space and time for follow on shots.

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MOVING TARGET LEADS

	SLOW WALKING TARGET (APPROX. 2 MPH)	FAST WALKING TARGET (APPROX. 4 MPH)	JOGGING TARGET (APPROX. 6 MPH)	RUNNING TARGET (APPROX. 10 MPH)
50 M	NO LEAD 	NO LEAD 	LEADING EDGE 	1 BODY WIDTH
100 M	NO LEAD 	LEADING EDGE 	1 BODY WIDTH 	1½ BODY WIDTHS
200 M	LEADING EDGE 	1 BODY WIDTH 	2 BODY WIDTHS 	3 BODY WIDTHS

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200 M	LEADING EDGE 	1 BODY WIDTH 	2 BODY WIDTHS 	3 BODY WIDTHS

TABLE 2 COURSE OF FIRE TRAINING (DAY 1)

STAGE	DRILL	RANGE	POSITION	RNDS / DRILL	TIME (SEC)	ITERATIONS	TOTAL RNDS
BZO		300	PRONE	10	N/A	1	10
POSITION REFINEMENT		25/50	Standing	24	N/A	1	24
2) PRESENTATION	Head shot	25/50	Standing	1	3	2	2
	Controlled Pair	25/50	Standing	2	4	2	4
	Failure (alternate aiming point)	25/50	Standing	3	5	2	6
3) POSITION CHANGE	(2) Controlled Pairs	25/50	Standing to Kneeling	2	5	2	4
	(2) Controlled Pairs	25/50	Standing & Kneeling	4	7	2	8
	Failure (alternate aiming point)	25/50	Standing to Kneeling	3	8	2	6
4) MULTIPLE TARGETS WITH POSITION CHANGE	(2) Controlled Pairs	25/50	Standing to Kneeling	4	6	1	4
	(2) Controlled Pairs	25/50	Standing & Kneeling	4	9	2	8
	(2) Failure (alternate aiming point)	25/50	Standing to Kneeling	6	10	2	12
5) SPEED RELOADS	(2) Controlled Pairs	25/50	Standing & Kneeling	4	10	5	20
6) MOVING TARGET ENGAGEMENT	Movers Right	100/200	Standing to Kneeling	2	10	3	6
	Movers Left	100/200	Standing to Kneeling	2	10	3	6

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TABLE 2 COURSE OF FIRE TRAINING (DAY 1)

STAGE	DRILL	RANGE	POSITION	RNDS / DRILL	TIME (SEC)	ITERATIONS	TOTAL RNDS
BZO		300	PRONE	10	N/A	1	10
POSITION REFINEMENT		25/50	Standing	24	N/A	1	24
2) PRESENTATION	Head shot	25/50	Standing	1	3	2	2
	Controlled Pair	25/50	Standing	2	4	2	4
	Failure (alternate aiming point)	25/50	Standing	3	5	2	6
3) POSITION CHANGE	(2) Controlled Pairs	25/50	Standing to Kneeling	2	5	2	4
	(2) Controlled Pairs	25/50	Standing & Kneeling	4	7	2	8
	Failure (alternate aiming point)	25/50	Standing to Kneeling	3	8	2	6
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	Movers Left	100/200	Standing to Kneeling	2	10	3	6

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TABLE 2 COURSE OF FIRE PRE-EVALUATION & EVALUATION (DAY 2)

STAGE	DRILL	RANGE	POSITION	RNDS / DRILL	TIME (SEC)	ITERATIONS	TOTAL RNDS
1) PRESENTATION	Head shot	25/50	Standing	1	3	2	2
	Controlled Pair	25/50	Standing	2	4	1	2
	Failure (alternate aiming point)	25/50	Standing	3	5	1	3
2) POSITION CHANGE	Controlled Pairs	25/50	Standing & Kneeling	4	7	1	4
	Failure (alternate aiming point)	25/50	Standing to Kneeling	3	8	1	3
3) MULTIPLE TARGETS WITH POSITION CHANGE	(2) Controlled Pairs	25/50	Standing to Kneeling	4	6	1	4
	(2) Controlled Pairs	25/50	Standing & Kneeling	4	9	2	8
	(2) Failure (alternate aiming point)	25/50	Standing to Kneeling	6	10	2	12
4) SPEED RELOADS	(2) Controlled Pairs	25/50	Standing & Kneeling	4	10	1	4
5) MOVING TARGET ENGAGEMENT	Movers Right	100/200	Standing to Kneeling	2	10	2	4
	Movers Left	100/200	Standing to Kneeling	2	10	2	4

TABLE 2 COURSE OF FIRE PRE-EVALUATION & EVALUATION (DAY 2)

STAGE	DRILL	RANGE	POSITION	RNDS / DRILL	TIME (SEC)	ITERATIONS	TOTAL RNDS
1) PRESENTATION	Head shot	25/50	Standing	1	3	2	2
	Controlled Pair	25/50	Standing	2	4	1	2
	Failure (alternate aiming point)	25/50	Standing	3	5	1	3
2) POSITION CHANGE	Controlled Pairs	25/50	Standing & Kneeling	4	7	1	4
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5) MOVING TARGET ENGAGEMENT	Movers Right	100/200	Standing to Kneeling	2	10	2	4
	Movers Left	100/200	Standing to Kneeling	2	10	2	4

ZERO
+
WIND
=
HOLD

HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	5	6	11	13	16	16	22	25	27	32
HALF	2	3	5	6	8	8	11	12	13	16

PLOT

PLOT

PLOT

LIGHT

 OVERCAST
 PARTLY CLOUDY
 CLEAR

PRECIP

 DRY LT RAIN
 MIST HVY RAIN

SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

ZERO
+
WIND
=
HOLD

HOLDS IN INCHES

VALUE	5mph M16A4 M4		10mph M16A4 M4		15mph M16A4 M4		20mph M16A4 M4		25mph M16A4 M4	
FULL	5	6	11	13	16	16	22	25	27	32
HALF	2	3	5	6	8	8	11	12	13	16

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PLOT

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LIGHT

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 PARTLY CLOUDY
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 DRY LT RAIN
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SIGHT PICTURE ADJUSTMENT (WITHOUT WIND)

TABLE 2 - STATIONARY

BEFORE FIRING HOLD		AFTER FIRING CORRECTED HOLD		
	<p><u>Remarks</u></p>		<p><u>Remarks</u></p>	
PRESENTATION	POSITION CHANGE	MULTIPLE TARGET WITH POSITION CHANGE		SPEED RELOAD

TABLE 2 - STATIONARY

BEFORE FIRING HOLD		AFTER FIRING CORRECTED HOLD		
	<p><u>Remarks</u></p>		<p><u>Remarks</u></p>	
PRESENTATION	POSITION CHANGE	MULTIPLE TARGET WITH POSITION CHANGE		SPEED RELOAD

TABLE 2 - MOVING

BEFORE FIRING HOLD		AFTER FIRING CORRECTED HOLD	
<u>Remarks</u>		<u>Remarks</u>	
→ OR ←	→ OR ←	→ OR ←	→ OR ←

TABLE 2 - MOVING

BEFORE FIRING HOLD		AFTER FIRING CORRECTED HOLD	
<u>Remarks</u>		<u>Remarks</u>	
→ OR ←	→ OR ←	→ OR ←	→ OR ←

SCORING

	Points possible	Qualification
Table 1	250	≥ 190 points
Table 2	100	≥ 60 points

Aggregate Score



305-350 = EXPERT



280-304 = SHARPSHOOTER



250-279 = MARKSMAN

67

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Table 1	250	≥ 190 points
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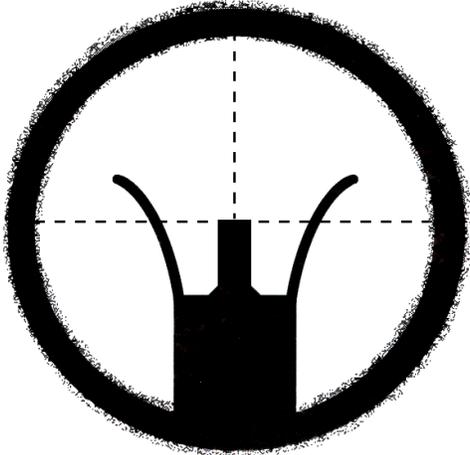


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67

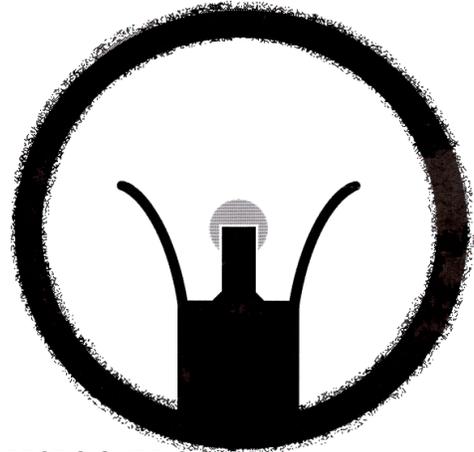
AIMING

CORRECT SIGHT ALIGNMENT



CORRECT SIGHT ALIGNMENT
The tip of the front sight post centered both vertically and horizontally in the rear sight aperture.

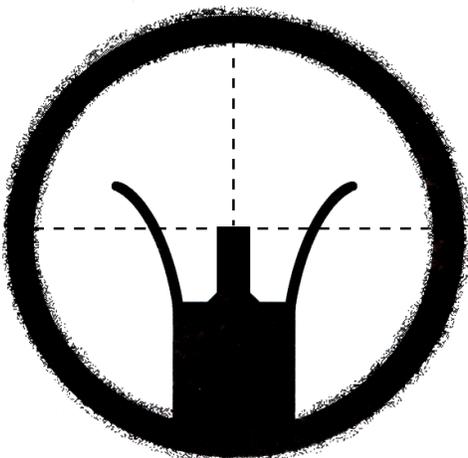
CORRECT SIGHT PICTURE



CORRECT SIGHT PICTURE
The placement of the tip of the front sight in the center of the target while maintaining correct sight alignment.

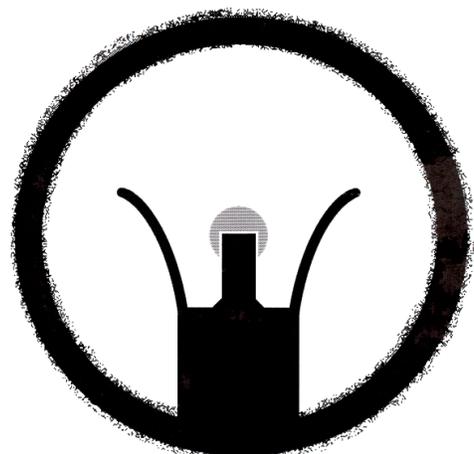
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CORRECT SIGHT ALIGNMENT



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The tip of the front sight post centered both vertically and horizontally in the rear sight aperture.

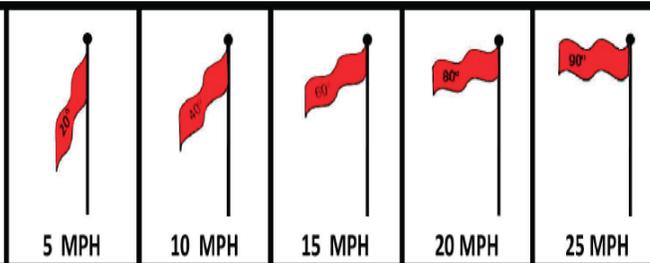
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The placement of the tip of the front sight in the center of the target while maintaining correct sight alignment.

BUIS WINDAGE/ELEVATION RULES AND ADJUSTMENTS (clicks) M16A4

Wind speed is determined by the angle of the flag. The different speeds at each angle can be approximated based on how fast the flag flutters at each angle.



One (1) click adjustment moves strike of round at 100 yards/meters:

Front Sight Post	1 3/8 INCHES
BUIS Elevation Drum	5/8 INCH
BUIS Windage Knob	1/2 INCH

RANGE (yards)	WIND VALUE									
	FULL	HALF								
200	2	1	3	1	5	2	6	3	8	4
300	3	1	6	3	10	5	13	6	16	8
500	6	3	12	6	18	9	24	12	30	15



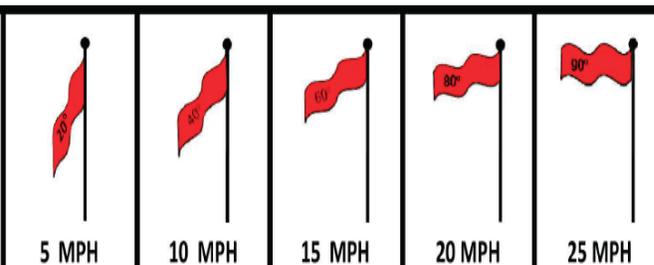
BUIS Windage Knob



Front Sight Post

BUIS WINDAGE/ELEVATION RULES AND ADJUSTMENTS (clicks) M16A4

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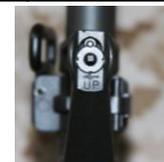
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RANGE (yards)	WIND VALUE									
	FULL	HALF								
200	2	1	3	1	5	2	6	3	8	4
300	3	1	6	3	10	5	13	6	16	8
500	6	3	12	6	18	9	24	12	30	15



BUIS Windage Knob



Front Sight Post

BUIS WINDAGE/ELEVATION RULES AND ADJUSTMENTS (clicks) M4

Wind speed is determined by the angle of the flag. The different speeds at each angle can be approximated based on how fast the flag flutters at each angle.

RANGE (yards)	5 MPH		10 MPH		15 MPH		20 MPH		25 MPH	
	WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE	
	FULL	HALF								
200	1	1	2	1	3	1	4	2	5	2
300	2	1	4	2	7	3	9	4	11	5
500	4	2	8	4	12	6	16	8	20	10

One (1) click adjustment moves strike of round at 100 yards/meters:

Front Sight Post	1 7/8 INCHES
BUIS Elevation Drum	3/4 INCH
BUIS Windage Knob	3/4 INCH



BUIS Windage Knob



Front Sight Post

BUIS WINDAGE/ELEVATION RULES AND ADJUSTMENTS (clicks) M4

Wind speed is determined by the angle of the flag. The different speeds at each angle can be approximated based on how fast the flag flutters at each angle.

RANGE (yards)	5 MPH		10 MPH		15 MPH		20 MPH		25 MPH	
	WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE		WIND VALUE	
	FULL	HALF								
200	1	1	2	1	3	1	4	2	5	2
300	2	1	4	2	7	3	9	4	11	5
500	4	2	8	4	12	6	16	8	20	10

One (1) click adjustment moves strike of round at 100 yards/meters:

Front Sight Post	1 7/8 INCHES
BUIS Elevation Drum	3/4 INCH
BUIS Windage Knob	3/4 INCH

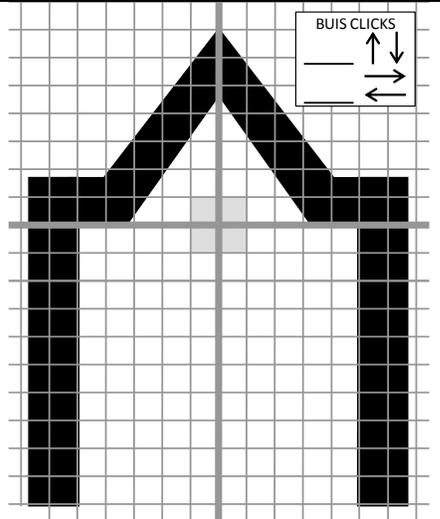
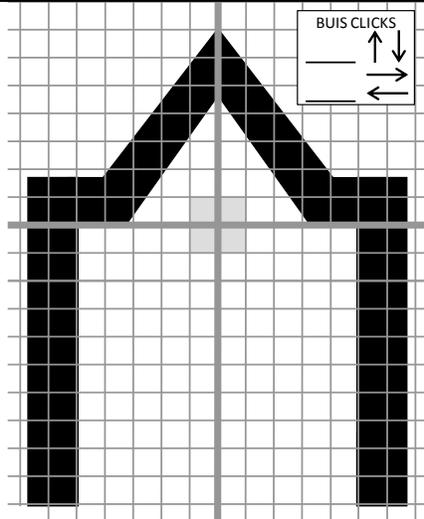
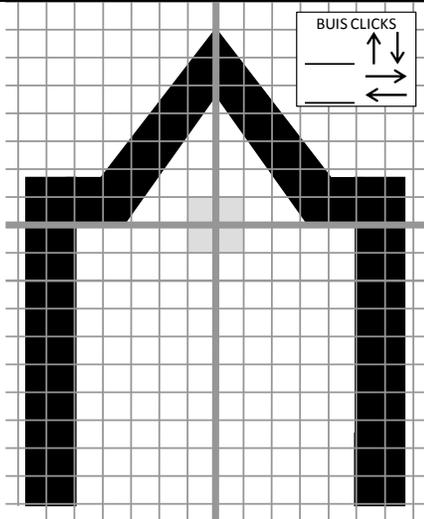


BUIS Windage Knob



Front Sight Post

36 YARD FIELD EXPEDIENT BZO



Two major objectives for the exercise:

1. To determine if the weapon can hold a group or is mechanically deficient.
2. To determine if the shooter can apply marksmanship fundamentals.

The steps for grouping are:

1. The shooter fires five rounds at the center target.
2. The coach measures the size of the group to determine if the shooter can hold a nine minute of angle group. The shooter fires the next five rounds on the left target.
3. Repeat step two. The shooter fires the last five rounds on the right target.
4. Repeat step two. If the weapon holds a nine minute of angle group the shooter is done firing. If not, range personnel will fire the weapon. If the weapon does not hold a group, issue the shooter a new weapon and repeat the exercise.

Each square = 1/2 inch

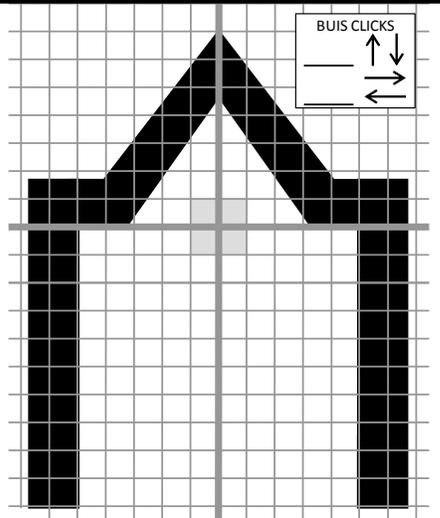
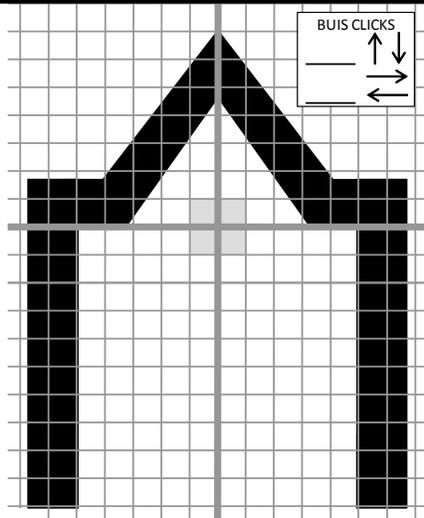
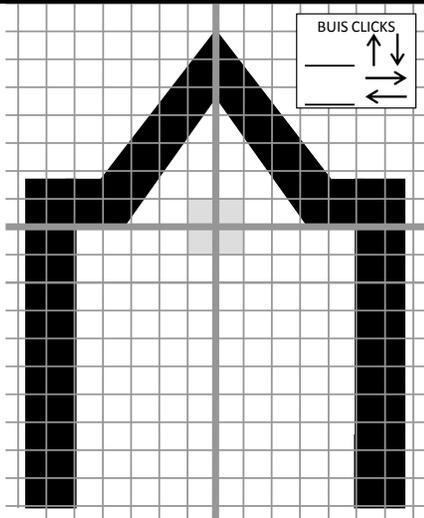
ELEVATION:

RCO - 9 clicks = 1 in
 M16A4 (BUIS) - 1 click = 1 1/2 in
 M16A4 (FSP) - 1 click = 4 1/8 in

WINDAGE:

RCO - 9 clicks = 1 in
 M16A4 - (BUIS) - 3 clicks = 1/2 in

36 YARD FIELD EXPEDIENT BZO



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- General John "Black Jack" Pershing, Commander of the American Expeditionary Force in World War I



"Every Marine is, first and foremost, a rifleman. All other conditions are secondary".

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