





DAISY NATIONAL BB GUN CHAMPIONSHIP TEAM LEADERS BRIEFING



ERIK ANDERSON PH.D. SHOOTER'S TECHNOLOGY LLC 2 JULY 2015

ONLINE RESULTS AVAILABLE AT WWW.ORIONRESULTS.COM/DAISY

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LOGISTICS

- Team Leaders Briefing Saturday14:15 to 15:00, team coaches only.
- Stat Officers and Coaches Clinic Sunday 10:00 to 11:00, open to all.
- Orion's Advance Topics Sunday 13:00 to 14:00, open to all but intended for experienced Orion users.
- Please ask questions, make comments.
- Today's presentation available for pickup. Tomorrow's presentations via email.



BB GUN SCORING AND ORION



A: Orion is fairer, faster, and much more accurate.

WHAT IS THE ORION SCORING SYSTEM?



- An electronic scoring system: A tool to score targets.
 - Windows based software combined with commodity scanners.
- A tool to help run competitions.
- Online results provider.
- A tool to help teach marksmanship.





ONLINE RESULTS

www.orionresults.com/daisy

- Updated throughout the tournament.
 - Online scores are preliminary.
 - Please wait until the review period to address any concerns.
 - Test scores will be included.
- Scrolling leader board outside range / online.
- Official results will be printed and displayed at the conclusion of each day.



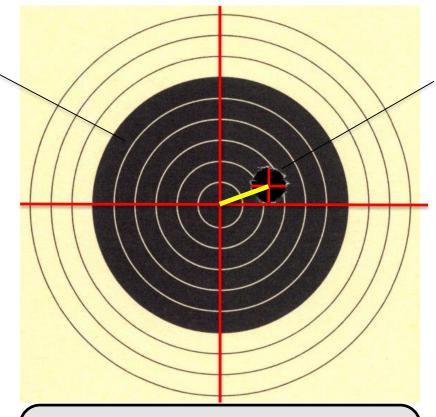
INTERNET ACCESS

- Network Name:
- ID:
- Password:



How Does Orion Score?

1. Orion uses the edge of the aiming bull to find the center of the target.

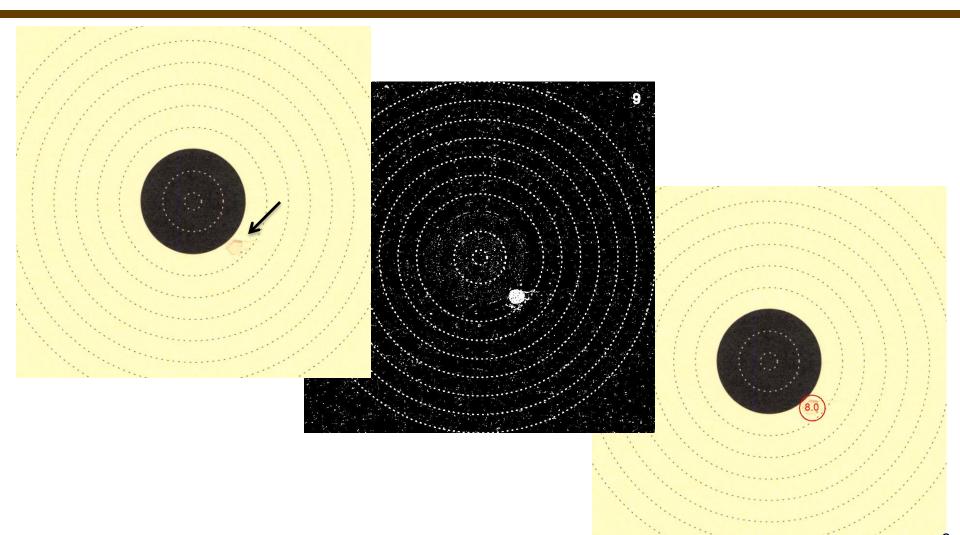


2. Orion uses the edge of the bullet hole to find the center of the shot.

3. The distance between the center of the aiming bull to the center of the shot (i.e. the radial distance) is used to calculate the score value.



How Does Orion Score





ORION'S SCANNERS



Canon DR-M160ii

About 55 targets a minute. Ideal for small to large ranges with frequent use.



Canon DR-6010C

About 55 targets a minute. Ideal for large ranges, frequent use, and single bull targets.





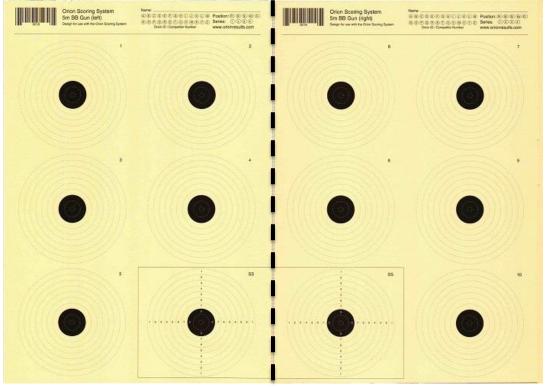


Canon DR-C240

About 25 targets a minute. Small and medium ranges.



ORION TARGETS



- High quality target paper
- Perforated down the center; sized to fit commodity scanners.
- Scoring rings are printed for the shooters reference only.



SCANABLE TEST SHEETS

Athlete's Competitor Number

1234587890

1234567890

00000000000

	1111	1111	

BB Gun Test Scorecard

Athle	to'c	Nam	0

General Instructions

Use a number 2 pencil, with an eraser, do not use ink. Write your name and fill in the bubbles corresponding to your competitor number.

For each question, fill in the circle corresponding to your answer.

- T is for true. - F is for false.

(

To change an answer, erase the old mark completely, then fill in the new bubble. Not all tests have 50 questions, only fill in an answer if there is a question.

Question 1	AT BF CODE	Question 26	
Question 2		Question 27	
Question 3		Question 28	
Question 4		Question 29	MBFCOC
Question 5	AT OF C D E	Question 30	AT BF C D E
Question 6	A B C D E	Question 31	AT BF C D E
Question 7	AT BF C D E	Question 32	AT BF C D E
Question 8	AT BF C D E	Question 33	M BF C D E
Question 9	() () () () () () () () () () () () () (Question 34	M BF C D E
Question 10	AD BF C D E	Question 35	AT BF O D E
Question 11	AT OF CODE	Question 36	ATBFCDE
Question 12	O O O O	Question 37	AT BF C D E
Question 13	AT OF COE	Question 38	AT BF C D E
Question 14	AT BF O O E	Question 39	AT BF C D E
Question 15	AT BF C D E	Question 40	M BF C D E
Question 16		Question 41	AT BF C D E
Question 17	AT BF C D E	Question 42	AT O D E
Question 18	AT BF C D E	Question 43	AT BF C D E
Question 19	() () () () () () () () () () () () () (Question 44	
Question 20	AT BF C D E	Question 45	ATBECDE
Question 21	(M) (BF (C) (D) (E)	Question 46	AT BF C D E
Question 22	O O O	Question 47	M M C D E
Question 23	AT OF CODE	Question 48	
Question 24	AT BF C D E	Question 49	AT BF ODE
Question 25	AT BF C D E	Question 50	ATBECDE

- Scans and scores test results.
- True / False and Multiple Choice





HANDLING TARGETS

- Targets will be picked up in bundles per position.
 - 7 Answer sheets, 1 for each athlete.
 - 7 Targets, 1 for each athlete.
 - Each targets labeled with the athlete's name and competitor number.
- Do not bend or step on them.
- Keep them dry.
- Have a single team leader keep track of targets before they are shot. Keep them in the supplied folder for safe keeping.
- Use provided push pins to hang.
- Remove your targets quickly, hand them to RO or Daisy Staff quickly.
- Do NOT separate your left and right targets.





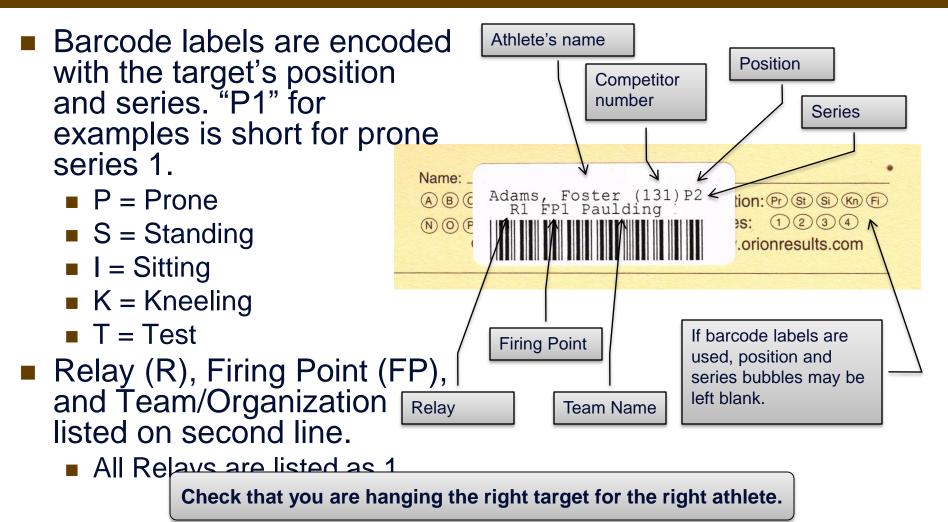
ORION BB GUN TARGET

hand target matches the barcode on the right hand target. Position:DDDD Series: DDDD Barcode on the right im BB Gun (left) tells Orion who the athlete is, position, and Make sure all writing series number. and the barcode label is above the reference Barcode on the left tells line. Orion this is a BB Gun Sighter bull is target. demarcated with a rectangle. Remaining bulls numbered 1 88 through 10. Use pushpins to hang targets. Don't bend or step on the targets!

Make sure the competitor barcode on the left



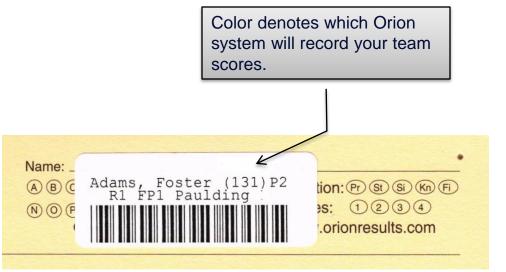
BARCODE LABELS





BARCODE LABEL COLORING

- All of your team targets should have the same color barcode label.
- Competitor numbers should be sequential.
- Competition target label's will be blue or white for the regular match, and yellow for the champions match.





WHILE YOU ARE SHOOTING

- Fire only 1 shot per bull.
- Fire only 10 record shots.
- Alert the range officer if:
 - First sighter shot is outside the sighter rectangle. RO should mark the shot as a sighter.
 - Wrong target is hung for an athlete. RO should write in the name of the correct shooter and black out the barcode label.
 - Fire 6 on one target 4 on the second. RO should mark accordingly.
 - Bullet bounces back hitting the target in reverse.



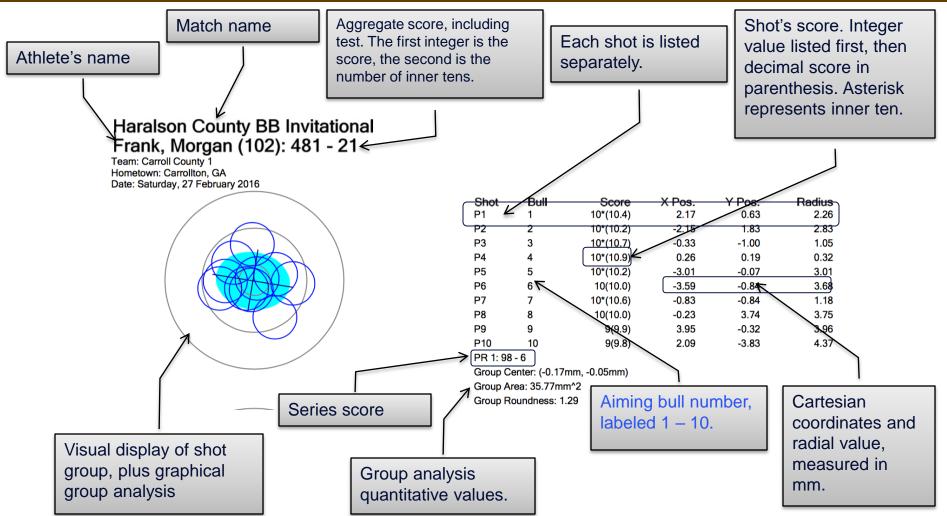


REVIEW PERIOD

- There are no challenges.
- There will be a review period at the conclusion of each day.
 - Approximately 60 minutes after last shot is fired.
 - Targets will be stacked for each team along with your athlete's individual score sheet.
 - Test may be reviewed during Sunday's review time.
- On the results:
 - Check to make sure individual athletes are correctly categorized as "team member" or "alternate."
 - Check that your team correctly lists your "team members."



INDIVIDUAL SCORE SHEET





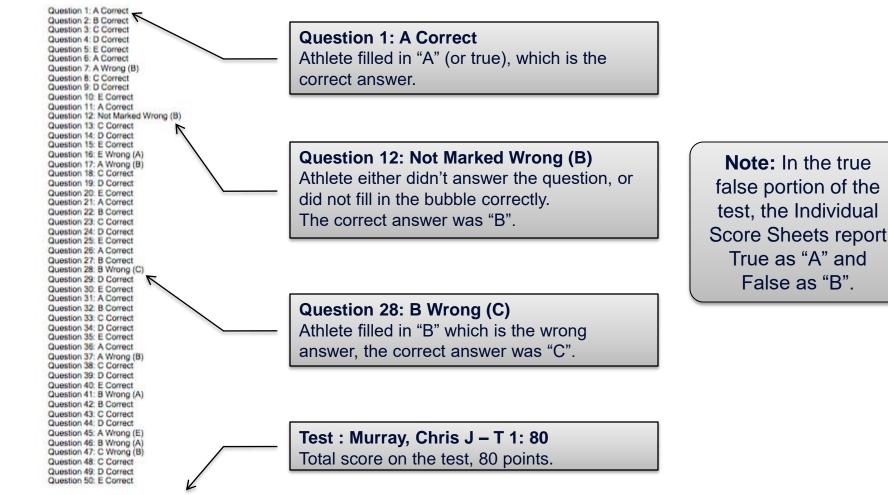
INTERPRETING SCORE

Aggregates

- "94 2" means a score of 94 with 2 inner tens.
- "87 0" means a score of 87 with 0 inner tens.
- Individual Shots
 - 10*(10.4) means an inner ten, and a decimal value of 10.4.
 - Asterisk denotes inner ten.
 - 10(10.1) means a ten, and a decimal value of 10.1.
 - 8^(8.7) means an eight, and a decimal value of 8.7.
 - Carrot (^) denotes a manually modified shot.
- Decimal Values
 - For reference only, not used to determine rankings.
 - Each integer ring is further divided into 10 "sub-rings."
 - Highest value is a 10.9.
 - No correlation between decimal value and inner tens.
 - Commonly used in Finals.



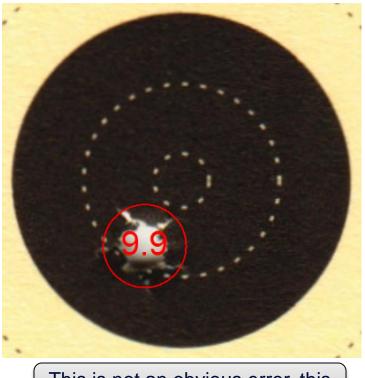
REVIEWING THE TEST





WHAT TO LOOK FOR DURING THE REVIEW

- Obvious errors, scored shots that are not a reasonable interpretation of the physical shot hole.
- Obvious errors mostly caused by:
 - Tears around the shot hole or near the corners of the target.
 - Two shots very near each other.
 - A shot hole that collapse in on itself.
- Correctly assigned penalties.
- Bring any questions you have to the statistical officer.
- Its unethical to ask for every 9.9, 8.9, etc to be looked at.



This is not an obvious error, this is an 9!



QUESTIONS



facebook.com/orionscoring



www.orionscoringsystem/bbgunleague

Office Hours and Contact Information

Tuesday through Friday 10AM – 6PM Saturday : 9 AM – 4PM 703 596 0099 support@shooterstech.net