

TASKS AND SCORING

Pilots fly tasks that they have been given by the Event Director (Balloonmeister). After all the pilots have dropped their baggie (marker), they are awarded points based on how they ranked with respect to the other pilots. A formula is used to determine the number of points the pilot receives. Pilots can also have points deducted from their score if they receive a penalty for not obeying the rules for the task or the event. The penalty for which deductions are possible are stated in the penalty section of the Operations Manual published for The Great Reno Balloon Race. In some cases, the penalty may vary depending on the severity of the infraction.

BFA Weekend Scoring Formula:

The formula for awarding points is:

$$\text{Score} = ((P - N + 0.5) / P) \times 1000$$

In words: Your Score = ((the number of pilots competing (P) – your rank in the task (N) + 0.5) / the number of pilots competing (P)) x 1000

This score is rounded to the nearest whole number.

Example: if there are 10 pilots competing in the task and you came in third.

$$\text{Your score} = ((10 - 3 + 0.5) / 10) \times 1000$$

$$\text{Your score} = (7.5 / 10) \times 1000$$

$$\text{Your score} = .75 \times 1000$$

$$\text{Your score} = 750 \text{ points}$$

In the event of a tie, the task points available for the tied pilots are shared equally. So, using the example above, if two pilots tied for third, they share the points for third and fourth place. Using the formula, the fourth place pilot would receive 650 points. Now the points for the tied pilots can be determined. Third place points (750) + fourth place points (650) / the number of tied pilots (2) equals 700. This means the two pilots each receive 700 points in the task.

For cases of a tie developing after several task scores are added for the pilots the tie-breaking methods outlines in the Scoring section of the operations manual will be used.

TASKS

Fly In Task: pilots try to drop their baggie as close to the center of a target as possible after finding their launch site some minimum distance from the target. This is a 1 baggie task.

Hare and Hounds: pilots (the hounds) attempt to follow another balloon (the hare) and drop their baggie as close to the center of the target as possible. The target is carried by the Hare and is placed on the ground when the Hare lands. This is a 1 baggie task. If a second hare is utilized, both hare targets score as the same target.

Watership Down: this is a combination of the Fly In Task and the Hare and Hounds tasks. Pilots find their launch site at some minimum distance from a target and drop their baggie as close to the center as possible. Then, at some predetermined time, a balloon launches from near that target and places another target to which the other balloons fly. Again the baggie closest to the center is the winner. This is a two-part task and there is a baggie for each task. The scores for each part are determined independently. This is a 2 baggie task.

Judge Declared Goal: balloons launch from or fly over a common area and then fly to a target that is placed at an established location. The pilot with the baggie closest to the center of the target is the winner. This is a 1 baggie task.

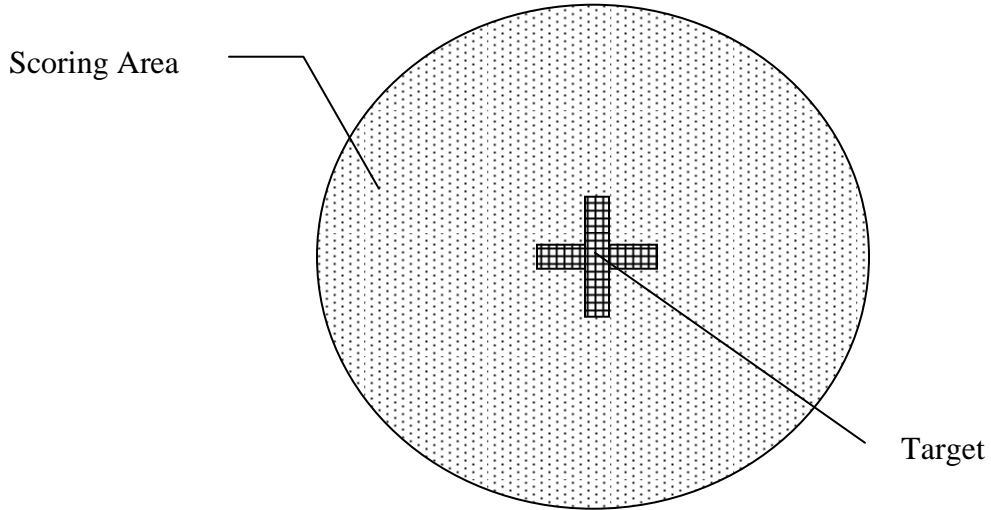
Multiple Judge Declared Goal: like the Judge Declared Goal, balloons launch from a common area and fly to a target. However, in this task, more than one target is available on which to score. The scores for this task are determined by combining the baggie distances for each of the pilots from each of the targets as if there is only one target. This is a 1 baggie task.

Maximum Distance Double Drop: pilots try to drop their baggies as far apart as possible within defined scoring areas. A variation of this task has only one scoring area defined, but the baggies must still be as far apart as possible. The pilot whose baggies are the farthest apart wins the task. The measurement is the distance between the baggies. This is a 2 baggie task.

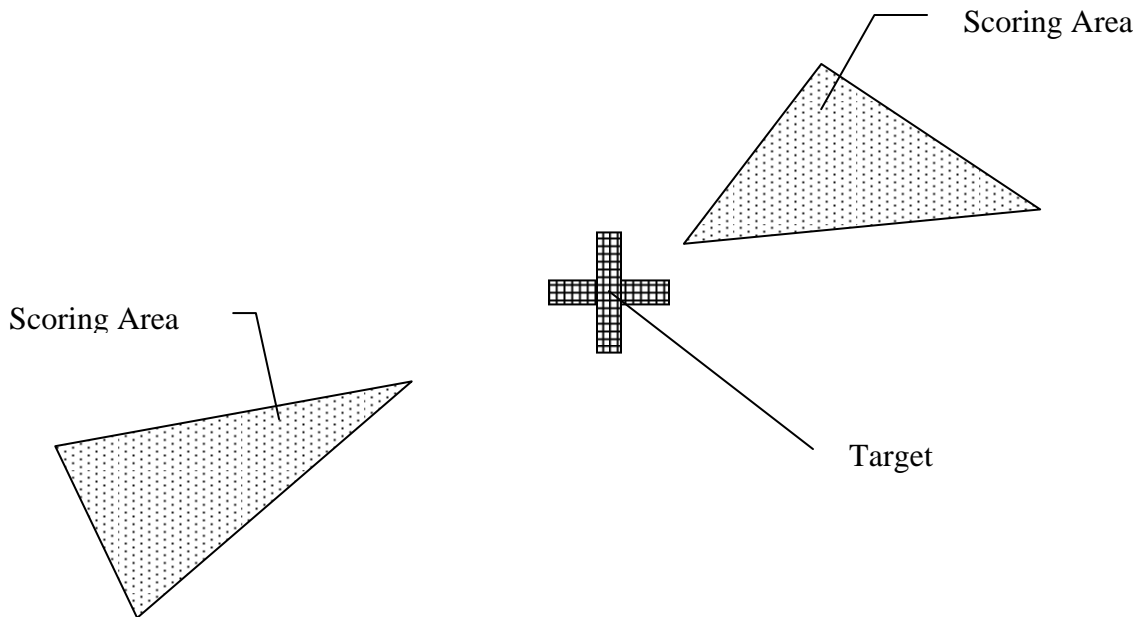
Minimum Distance Double Drop: pilots try to drop their baggies as close together as they can within defined scoring areas. The baggies must be in different scoring areas. The measurement is the distance between the baggies. This is a 2 baggie task.

Gordon Bennett Memorial: pilots try to drop their baggies as close to the target as possible and within a defined scoring area or areas. The target is not in the scoring area, but the measurement is to the center of the target. This is a 1 baggie task.

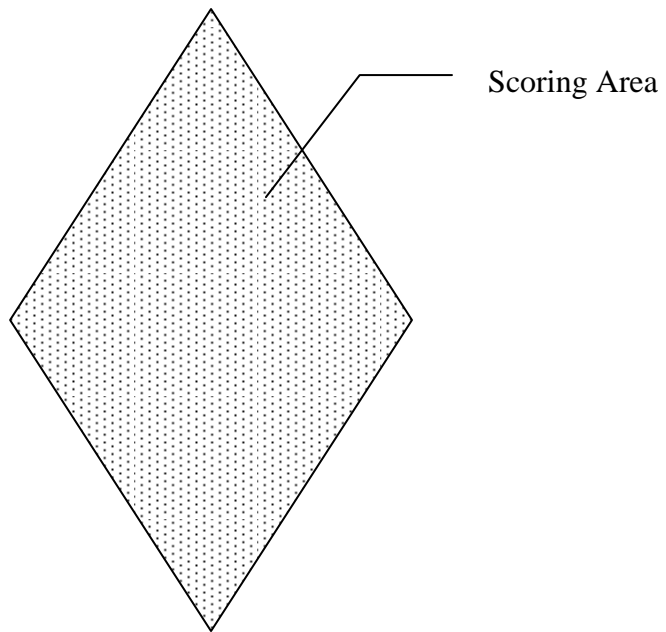
DIAGRAMS of COMMONLY USED SCORING AREAS



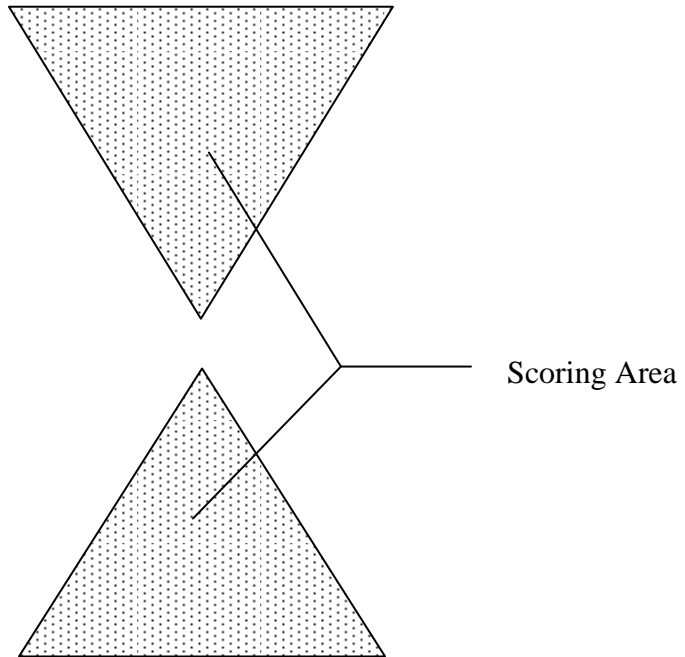
Common Diagram for Fly In Task, Hare and Hounds, Watership Down, Judge Declared Goal, and Multiple Judge Declared Goal



Possible Diagram for Gordon Bennett Memorial



Possible Diagram for Maximum Distance Double Drop



Possible Diagram for Minimum Distance Double Drop