

# 2004 SAE AERO DESIGN WEST Scoring Spreadsheet

ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    ROUND 1    FLIGHT ORDER ROUND 2    FLIGHT ORDER ROUND 2    FLIGHT ORDER ROUND 2    FLIGHT ORDER ROUND 2

NUMERICAL PRECISION!!!  
Place Mouse Here To Start

| (ROUND 1) DAY 2 & 3:<br>Enter Actual Payload, Temp. and Press. |       |                             |                |             |          |                  |                   |                   |              |               |              |             | FLIGHT ORDER ROUND 2 |          | FLIGHT ORDER ROUND 2 |                             | FLIGHT ORDER ROUND 2                |             | FLIGHT ORDER ROUND 2  |  |
|--|-------|-----------------------------|----------------|-------------|----------|------------------|-------------------|-------------------|--------------|---------------|--------------|-------------|----------------------|----------|----------------------|-----------------------------|-------------------------------------|-------------|-----------------------|--|
| #  | Class | Team Name                   | Actual Payload | Temperature | Pressure | Density Altitude | Predicted Payload | Corrected Payload | Weight Score | Payload Score | Flight Score | Total Score | Flight Order         | Team No. | Class                | Team Name                   | School Name                         | TOTAL SCORE | Flight Score (ROUND1) |  |
| R(regular)/<br>O(open)   |       |                             | pounds         | degrees F   | in. Hg   | feet             | pounds            | pounds            | points       | points        | points       | points      |                      |          |                      |                             |                                     |             |                       |  |
|  |       |                             | Empty Weight   |             |          |                  |                   |                   |              |               |              |             |                      |          |                      |                             |                                     |             |                       |  |
|  |       |                             | 0.0000         | 80.0000     | 30.3800  | 1.0000           | 833.3272          | 26.6667           | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 1                    | 24       | R                    | Aerocats                    | Univ of Cincinnati                  | 32.0670     | 0.0000                |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 2                    | 19       | R                    | UM HeavyLift                | Univ of Minnesota-Minneapolis       | 49.4430     | 0.0000                |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 3                    | 15       | R                    | UTE Lifters                 | Univ of Utah                        | 56.8000     | 0.0000                |  |
| 1  | R     | Yellow Jackets              |                |             |          |                  |                   |                   |              |               |              |             | 4                    | 14       | R                    | 243.0                       | Univ of Texas Austin                | 62.4000     | 0.0000                |  |
| 2  | R     | Lord of the Wing            | 26.4900        | 84.0000     | 30.0900  | 1408.5812        | 33.5097           | 26.4900           | 105.9600     | 0.0000        | 105.9600     | 201.1390    | 5                    | 18       | R                    | UWO Aero Design             | Univ of Western Ontario             | 77.6630     | 0.0000                |  |
| 3  | R     | ACE                         |                |             |          |                  |                   |                   |              |               |              |             | 6                    | 4        | R                    | Mulligan                    | Univ of British Columbia            | 78.0670     | 0.0000                |  |
| 4  | R     | Mulligan                    |                |             |          |                  |                   |                   |              |               |              |             | 7                    | 11       | R                    | Stingers                    | Concordia Univ                      | 78.8300     | 0.0000                |  |
| 5  | R     | R/C A/C                     |                |             |          |                  |                   |                   |              |               |              |             | 8                    | 22       | R                    | Psycho Silver Squirrels     | Univ of Illinois Urbana-Champaign   | 78.9300     | 0.0000                |  |
| 7  | R     | Aerobrick_2004              | 20.2600        | 81.0000     | 30.1100  | 1198.8340        | 37.2631           | 20.2600           | 81.0400      | 0.0000        | 81.0400      | 162.0030    | 9                    | 12       | R                    | Big Bird                    | Ecole National D'Aerotechnique      | 79.1800     | 0.0000                |  |
| 8  | R     | Willie                      | 18.3000        | 83.0000     | 30.1100  | 1323.8254        | 29.6923           | 18.3000           | 73.2000      | 0.0000        | 73.2000      | 162.1990    | 10                   | 21       | R                    | 6 Degrees of Freedom        | Ryerson Univ                        | 79.9000     | 0.0000                |  |
| 9  | R     | C-04 Predator               |                |             |          |                  |                   |                   |              |               |              |             | 11                   | 26       | R                    | Blitzkrieg                  | Ohio State Univ                     | 80.3500     | 0.0000                |  |
| 10   | R     | The Flying Moof             |                |             |          |                  |                   |                   |              |               |              |             | 12                   | 37       | R                    | Stevens2004                 | Stevens Institute of Tech           | 81.0760     | 0.0000                |  |
| 11   | R     | Stingers                    |                |             |          |                  |                   |                   |              |               |              |             | 13                   | 5        | R                    | R/C A/C                     | Univ of Manitoba                    | 81.9260     | 0.0000                |  |
| 12   | R     | Big Bird                    |                |             |          |                  |                   |                   |              |               |              |             | 14                   | 16       | R                    | Team Penguin                | LeTourneau Univ                     | 82.1780     | 50.2800               |  |
| 13   | R     | The Flying Bears            |                |             |          |                  |                   |                   |              |               |              |             | 15                   | 30       | R                    | Jabiru 04                   | Australian National Univ            | 82.5320     | 0.0000                |  |
| 14   | R     | 243.0                       |                |             |          |                  |                   |                   |              |               |              |             | 16                   | 29       | R                    | AeroNatiCats                | Univ of Cincinnati                  | 83.5750     | 0.0000                |  |
| 15   | R     | UTE Lifters                 |                |             |          |                  |                   |                   |              |               |              |             | 17                   | 25       | R                    | RIT Aero                    | Rochester Institute of Technology   | 84.5660     | 0.0000                |  |
| 16   | R     | Team Penguin                | 12.5700        | 79.0000     | 30.0800  | 1107.0577        | 26.4425           | 12.5700           | 50.2800      | 0.0000        | 50.2800      | 82.1780     | 18                   | 34       | R                    | Ollie's Oddballs            | Parks College of St. Louis          | 84.5920     | 0.0000                |  |
| 17   | R     | Mighty Mutts                |                |             |          |                  |                   |                   |              |               |              |             | 19                   | 23       | R                    | Tenacious G                 | Gonzaga Univ                        | 84.6890     | 0.0000                |  |
| 18   | R     | UWO Aero Design             |                |             |          |                  |                   |                   |              |               |              |             | 20                   | 20       | R                    | CANchord                    | Ryerson Univ                        | 85.6630     | 0.0000                |  |
| 19   | R     | UM HeavyLift                |                |             |          |                  |                   |                   |              |               |              |             | 21                   | 13       | R                    | The Flying Bears            | Univ of California Los Angeles      | 85.6990     | 0.0000                |  |
| 20   | R     | CANchord                    |                |             |          |                  |                   |                   |              |               |              |             | 22                   | 10       | R                    | The Flying Moof             | San Jose State Univ                 | 86.4630     | 0.0000                |  |
| 21   | R     | 6 Degrees of Freedom        |                |             |          |                  |                   |                   |              |               |              |             | 23                   | 9        | R                    | C-04 Predator               | University of Akron                 | 88.0000     | 0.0000                |  |
| 22   | R     | Psycho Silver Squirrels     |                |             |          |                  |                   |                   |              |               |              |             | 24                   | 31       | R                    | UAV-SAE                     | Univ Simon Bolivar                  | 88.3270     | 11.5600               |  |
| 23   | R     | Tenacious G                 |                |             |          |                  |                   |                   |              |               |              |             | 25                   | 3        | R                    | ACE                         | Ecole de technologie superieure     | 88.5500     | 0.0000                |  |
| 24   | R     | Aerocats                    |                |             |          |                  |                   |                   |              |               |              |             | 26                   | 27       | R                    | Shocker                     | Wichita State Univ                  | 88.8660     | 0.0000                |  |
| 25   | R     | RIT Aero                    |                |             |          |                  |                   |                   |              |               |              |             | 27                   | 33       | R                    | Mariachi                    | Universidad De las Americas         | 89.9600     | 0.0000                |  |
| 26   | R     | Blitzkrieg                  |                |             |          |                  |                   |                   |              |               |              |             | 28                   | 35       | R                    | Feathered Anvil             | Colorado State Univ                 | 90.2500     | 0.0000                |  |
| 27   | R     | Shocker                     |                |             |          |                  |                   |                   |              |               |              |             | 29                   | 28       | R                    | AeroDesign Club of ME       | California State Northridge         | 90.4100     | 0.0000                |  |
| 28   | R     | AeroDesign Club of ME       |                |             |          |                  |                   |                   |              |               |              |             | 30                   | 1        | R                    | Yellow Jackets              | Cedarville Univ                     | 92.5400     | 0.0000                |  |
| 29   | R     | AeroNatiCats                |                |             |          |                  |                   |                   |              |               |              |             | 31                   | 38       | R                    | Aeroheads                   | South Dakota School of Mines & Tech | 93.4800     | 0.0000                |  |
| 30   | R     | Jabiru 04                   |                |             |          |                  |                   |                   |              |               |              |             | 32                   | 32       | R                    | Flying Tigers               | Auburn University                   | 94.0300     | 0.0000                |  |
| 31   | R     | UAV-SAE                     | 2.8900         | 79.0000     | 30.0800  | 1107.0577        | 18.6808           | 2.8900            | 11.5600      | 0.0000        | 11.5600      | 88.3270     | 33                   | 17       | R                    | Mighty Mutts                | Michigan Tech Univ                  | 95.1000     | 0.0000                |  |
| 32   | R     | Flying Tigers               |                |             |          |                  |                   |                   |              |               |              |             | 34                   | 36       | R                    | Kahuna                      | Univ of Kansas-Lawrence             | 95.8800     | 0.0000                |  |
| 33   | R     | Mariachi                    |                |             |          |                  |                   |                   |              |               |              |             | 35                   | 7        | R                    | Aerobrick_2004              | Univ of California Davis            | 162.0030    | 81.0400               |  |
| 34   | R     | Ollie's Oddballs            |                |             |          |                  |                   |                   |              |               |              |             | 36                   | 8        | R                    | Willie                      | Kansas State Univ                   | 162.1990    | 73.2000               |  |
| 35   | R     | Feathered Anvil             |                |             |          |                  |                   |                   |              |               |              |             | 37                   | 2        | R                    | Lord of the Wing            | Ecole Polytechnique de Montreal     | 201.1390    | 105.9600              |  |
| 36   | R     | Kahuna                      |                |             |          |                  |                   |                   |              |               |              |             | 38                   | 220      | O                    | RoadRunners                 | Univ of Texas San Antonio           | 0.0000      | 0.0000                |  |
| 37   | R     | Stevens2004                 |                |             |          |                  |                   |                   |              |               |              |             | 39                   | 213      | O                    | URSA Major                  | Univ of California Los Angeles      | 26.3300     | 0.0000                |  |
| 38   | R     | Aeroheads                   |                |             |          |                  |                   |                   |              |               |              |             | 40                   | 211      | O                    | Influence                   | Ecole Polytechnique de Montreal     | 84.8100     | 0.0000                |  |
| 201  | O     | UCDavis UAV Group           |                |             |          |                  |                   |                   |              |               |              |             | 41                   | 221      | O                    | Advanced Aero-Vehicle Group | Univ of Missouri-Rolla              | 86.5850     | 0.0000                |  |
| 203  | O     | Leading Edge                | 22.3000        | 84.0000     | 30.0900  | 1408.5812        | 47.6731           | 22.3000           | 89.2000      | 31.6705       | 31.6705      | 110.2805    | 42                   | 201      | O                    | UCDavis UAV Group           | Univ of California Davis            | 91.7490     | 0.0000                |  |
| 211  | O     | Influence                   |                |             |          |                  |                   |                   |              |               |              |             | 43                   | 203      | O                    | Leading Edge                | Univ of British Columbia            | 110.2805    | 31.6705               |  |
| 212  | O     | Conquest                    | 15.1100        | 84.0000     | 30.0800  | 1419.8221        | 70.5404           | 15.1100           | 60.4400      | 50.5345       | 50.5345      | 142.1315    | 44                   | 212      | O                    | Conquest                    | University of Akron                 | 142.1315    | 50.5345               |  |
| 213  | O     | URSA Major                  |                |             |          |                  |                   |                   |              |               |              |             | 45                   |          |                      |                             |                                     | 0.0000      | 0.0000                |  |
| 220  | O     | RoadRunners                 |                |             |          |                  |                   |                   |              |               |              |             | 46                   |          |                      |                             |                                     | 0.0000      | 0.0000                |  |
| 221  | O     | Advanced Aero-Vehicle Group | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 86.5850     | 47                   |          |                      |                             | 0.0000                              | 0.0000      |                       |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 48                   |          |                      |                             | 0.0000                              | 0.0000      |                       |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 49                   |          |                      |                             | 0.0000                              | 0.0000      |                       |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 50                   |          |                      |                             | 0.0000                              | 0.0000      |                       |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000   | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      |                      |          |                      |                             | 0.0000                              | 0.0000      |                       |  |

# 2004 SAE AERO DESIGN WEST Scoring Spreadsheet

ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2 ROUND 2

FLIGHT ORDER ROUND 3 FLIGHT ORDER ROUND 3 FLIGHT ORDER ROUND 3 FLIGHT ORDER ROUND 3

NUMERICAL PRECISION!!!

Mouse Here To

| (ROUND 1) DAY 2 & 3:<br>Enter Actual Payload, Temp. and Press. |       |                             |                |             |              |                  |                   |                   |              |               |              |             |              |          |       |                             |                                     |             |                       |  |
|--|-------|-----------------------------|----------------|-------------|--------------|------------------|-------------------|-------------------|--------------|---------------|--------------|-------------|--------------|----------|-------|-----------------------------|-------------------------------------|-------------|-----------------------|--|
| #  | Class | Team Name                   | Actual Payload | Temperature | Pressure     | Density Altitude | Predicted Payload | Corrected Payload | Weight Score | Payload Score | Flight Score | Total Score | Flight Order | Team No. | Class | Team Name                   | School Name                         | TOTAL SCORE | Flight Score (ROUND2) |  |
|  |       |                             | pounds         | degrees F   | in. Hg       | 8.1.3            | 8.1.3             | 5.6.1             | 8.4.3        | 8.3.2         | 8.3.2        | 8.4.1       |              |          |       |                             |                                     |             |                       |  |
|  |       |                             |                |             | Empty Weight | feet             | pounds            | pounds            | points       | points        | points       | points      |              |          |       |                             |                                     |             |                       |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000       | 1.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 1            | 24       | R     | Aerocats                    | Univ of Cincinnati                  | 32.0670     | 0.0000                |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000       | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 2            | 19       | R     | UM HeavyLift                | Univ of Minnesota-Minneapolis       | 49.4430     | 0.0000                |  |
|  |       |                             | 0.0000         | 0.0000      | 0.0000       | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 3            | 15       | R     | UTE Lifters                 | Univ of Utah                        | 56.8000     | 0.0000                |  |
| 1  | R     | Yellow Jackets              | 0.0000         | 0.0000      | 0.0000       | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 4            | 14       | R     | 243.0                       | Univ of Texas Austin                | 62.4000     | 0.0000                |  |
| 2  | R     | Lord of the Wing            | 0.0000         | 0.0000      | 0.0000       | 0.0000           | 0.0000            | 0.0000            | 0.0000       | 0.0000        | 0.0000       | 0.0000      | 5            | 18       | R     | UWO Aero Design             | Univ of Western Ontario             | 77.6630     | 0.0000                |  |
| 3  | R     | ACE                         | 26.2400        | 91.0000     | 30.0300      | 1907.8575        | 30.5638           | 26.2400           | 104.9600     | 1.3044        | 106.2644     | 196.7144    | 6            | 4        | R     | Mulligan                    | Univ of British Columbia            | 78.0670     | 0.0000                |  |
| 4  | R     | Mulligan                    |                |             |              |                  |                   |                   |              |               |              |             | 7            | 11       | R     | Stingers                    | Concordia Univ                      | 78.8300     | 0.0000                |  |
| 5  | R     | R/C A/C                     | 17.4600        | 91.0000     | 30.0400      | 1896.6360        | 30.5130           | 17.4600           | 69.8400      | 0.0000        | 69.8400      | 151.7660    | 8            | 22       | R     | Psycho Silver Squirrels     | Univ of Illinois Urbana-Champaign   | 78.9300     | 0.0000                |  |
| 7  | R     | Aerobrick_2004              | 30.6100        | 86.0000     | 30.0300      | 1600.1344        | 36.1796           | 30.6100           | 122.4400     | 0.0000        | 122.4400     | 203.4030    | 9            | 21       | R     | 6 Degrees of Freedom        | Ryerson Univ                        | 79.9000     | 0.0000                |  |
| 8  | R     | Willie                      |                |             |              |                  |                   |                   |              |               |              |             | 10           | 26       | R     | Blitzkrieg                  | Ohio State Univ                     | 80.3500     | 0.0000                |  |
| 9  | R     | C-04 Predator               |                |             |              |                  |                   |                   |              |               |              |             | 11           | 37       | R     | Stevens2004                 | Stevens Institute of Tech           | 81.0760     | 0.0000                |  |
| 10   | R     | The Flying Moof             |                |             |              |                  |                   |                   |              |               |              |             | 12           | 30       | R     | Jabiru 04                   | Australian National Univ            | 82.5320     | 0.0000                |  |
| 11   | R     | Stingers                    |                |             |              |                  |                   |                   |              |               |              |             | 13           | 29       | R     | AeroNatiCats                | Univ of Cincinnati                  | 83.5750     | 0.0000                |  |
| 12   | R     | Big Bird                    | 9.7400         | 90.0000     | 30.0500      | 1824.1397        | 25.9517           | 9.7400            | 38.9600      | 0.0000        | 38.9600      | 118.1400    | 14           | 25       | R     | RIT Aero                    | Rochester Institute of Technology   | 84.5660     | 0.0000                |  |
| 13   | R     | The Flying Bears            |                |             |              |                  |                   |                   |              |               |              |             | 15           | 34       | R     | Ollie's Oddballs            | Parks College of St. Louis          | 84.5920     | 0.0000                |  |
| 14   | R     | 243.0                       |                |             |              |                  |                   |                   |              |               |              |             | 16           | 20       | R     | CANchord                    | Ryerson Univ                        | 85.6630     | 0.0000                |  |
| 15   | R     | UTE Lifters                 |                |             |              |                  |                   |                   |              |               |              |             | 17           | 13       | R     | The Flying Bears            | Univ of California Los Angeles      | 85.6990     | 0.0000                |  |
| 16   | R     | Team Penguin                | 16.0100        | 91.0000     | 30.0400      | 1896.6360        | 26.0477           | 16.0100           | 64.0400      | 0.0000        | 64.0400      | 95.9380     | 18           | 10       | R     | The Flying Moof             | San Jose State Univ                 | 86.4630     | 0.0000                |  |
| 17   | R     | Mighty Mutts                | 15.5100        | 83.0000     | 30.0300      | 1413.8254        | 28.4003           | 15.5100           | 62.0400      | 0.0000        | 62.0400      | 157.1400    | 19           | 9        | R     | C-04 Predator               | University of Akron                 | 88.0000     | 0.0000                |  |
| 18   | R     | JWO Aero Design             |                |             |              |                  |                   |                   |              |               |              |             | 20           | 27       | R     | Shocker                     | Wichita State Univ                  | 88.8660     | 0.0000                |  |
| 19   | R     | UM HeavyLift                |                |             |              |                  |                   |                   |              |               |              |             | 21           | 33       | R     | Mariachi                    | Universidad De las Americas         | 89.9600     | 0.0000                |  |
| 20   | R     | CANchord                    |                |             |              |                  |                   |                   |              |               |              |             | 22           | 35       | R     | Feathered Anvil             | Colorado State Univ                 | 90.2500     | 0.0000                |  |
| 21   | R     | Degrees of Freedom          |                |             |              |                  |                   |                   |              |               |              |             | 23           | 28       | R     | AeroDesign Club of ME       | California State Northridge         | 90.4100     | 0.0000                |  |
| 22   | R     | Psycho Silver Squirrels     |                |             |              |                  |                   |                   |              |               |              |             | 24           | 1        | R     | Yellow Jackets              | Cedarville Univ                     | 92.5400     | 0.0000                |  |
| 23   | R     | Tenacious G                 | 10.7900        | 92.0000     | 30.0400      | 1957.7717        | 27.6310           | 10.7900           | 43.1600      | 0.0000        | 43.1600      | 127.8490    | 25           | 38       | R     | Aeroheads                   | South Dakota School of Mines & Tech | 93.4800     | 0.0000                |  |
| 24   | R     | Aerocats                    |                |             |              |                  |                   |                   |              |               |              |             | 26           | 16       | R     | Team Penguin                | LeTourneau Univ                     | 95.9380     | 64.0400               |  |
| 25   | R     | RIT Aero                    |                |             |              |                  |                   |                   |              |               |              |             | 27           | 31       | R     | UAV-SAE                     | Univ Simon Bolivar                  | 97.9670     | 21.2000               |  |
| 26   | R     | Blitzkrieg                  |                |             |              |                  |                   |                   |              |               |              |             | 28           | 12       | R     | Big Bird                    | Ecole National D'Aerotechnique      | 118.1400    | 38.9600               |  |
| 27   | R     | Shocker                     |                |             |              |                  |                   |                   |              |               |              |             | 29           | 23       | R     | AeroDesign Club of ME       | Gonzaga Univ                        | 127.8490    | 43.1600               |  |
| 28   | R     | AeroDesign Club of ME       |                |             |              |                  |                   |                   |              |               |              |             | 30           | 5        | R     | R/C A/C                     | Univ of Manitoba                    | 151.7660    | 69.8400               |  |
| 29   | R     | AeroNatiCats                |                |             |              |                  |                   |                   |              |               |              |             | 31           | 17       | R     | Mighty Mutts                | Michigan Tech Univ                  | 157.1400    | 62.0400               |  |
| 30   | R     | Jabiru 04                   |                |             |              |                  |                   |                   |              |               |              |             | 32           | 8        | R     | Willie                      | Kansas State Univ                   | 162.1990    | 0.0000                |  |
| 31   | R     | UAV-SAE                     | 5.3000         | 90.0000     | 30.0500      | 1824.1397        | 18.3509           | 5.3000            | 21.2000      | 0.0000        | 21.2000      | 97.9670     | 33           | 32       | R     | Flying Tigers               | Auburn University                   | 172.4300    | 78.4000               |  |
| 32   | R     | Flying Tigers               | 19.6000        | 84.0000     | 30.0400      | 1464.8141        | 30.4876           | 19.6000           | 78.4000      | 0.0000        | 78.4000      | 172.4300    | 34           | 36       | R     | Kahuna                      | Univ of Kansas-Lawrence             | 184.3600    | 88.4800               |  |
| 33   | R     | Mariachi                    |                |             |              |                  |                   |                   |              |               |              |             | 35           | 3        | R     | ACE                         | Ecole de technologie superieure     | 194.8144    | 106.2644              |  |
| 34   | R     | Ollie's Oddballs            |                |             |              |                  |                   |                   |              |               |              |             | 36           | 2        | R     | Lord of the Wing            | Ecole Polytechnique de Montreal     | 201.1390    | 0.0000                |  |
| 35   | R     | Feathered Anvil             |                |             |              |                  |                   |                   |              |               |              |             | 37           | 7        | R     | Aerobrick_2004              | Univ of California Davis            | 203.4030    | 122.4400              |  |
| 36   | R     | Kahuna                      | 22.1200        | 86.0000     | 30.0300      | 1600.1344        | 27.0979           | 22.1200           | 88.4800      | 0.0000        | 88.4800      | 184.3600    | 38           | 220      | O     | RoadRunners                 | Univ of Texas San Antonio           | 0.0000      | 0.0000                |  |
| 37   | R     | Stevens2004                 |                |             |              |                  |                   |                   |              |               |              |             | 39           | 213      | O     | URSA Major                  | Univ of California Los Angeles      | 26.3300     | 0.0000                |  |
| 38   | R     | Aeroheads                   |                |             |              |                  |                   |                   |              |               |              |             | 40           | 211      | O     | Influence                   | Ecole Polytechnique de Montreal     | 84.8100     | 0.0000                |  |
| 201  | O     | CDavis UAV Group            |                |             |              |                  |                   |                   |              |               |              |             | 41           | 201      | O     | UCDavis UAV Group           | Univ of California Davis            | 91.7490     | 0.0000                |  |
| 203  | O     | Leading Edge                |                |             |              |                  |                   |                   |              |               |              |             | 42           | 203      | O     | Leading Edge                | Univ of British Columbia            | 110.2805    | 0.0000                |  |
| 211  | O     | Influence                   |                |             |              |                  |                   |                   |              |               |              |             | 43           | 212      | O     | Conquest                    | University of Akron                 | 142.1315    | 0.0000                |  |
| 212  | O     | Conquest                    |                |             |              |                  |                   |                   |              |               |              |             | 44           | 221      | O     | Advanced Aero-Vehicle Group | Univ of Missouri-Rolla              | 156.6606    | 70.0756               |  |
| 213  | O     | URSA Major                  |                |             |              |                  |                   |                   |              |               |              |             | 45           |          |       |                             |                                     | 0.0000      | 0.0000                |  |
| 220  | O     | RoadRunners                 |                |             |              |                  |                   |                   |              |               |              |             | 46           |          |       |                             |                                     | 0.0000      | 0.0000                |  |
| 221  | O     | Advanced Aero-Vehicle Group | 39.5800        | 83.0000     | 30.0300      | 1413.8254        | 46.0631           | 39.5800           | 158.3200     | 70.0756       | 70.0756      | 156.6606    |              |          |       |                             |                                     | 0.0000      | 0.0000                |  |



2004 SAE AERO DESIGN WEST Scoring Spreadsheet

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FLIGHT ORDER ROUND 5 FLIGHT ORDER ROUND 5 FLIGHT ORDER ROUND 5 FLIGHT ORDER ROUND 5

NUMERICAL PRECISION!!! Place Mouse Here To Start

Table with columns: #, Class, Team Name, Actual Payload, Temperature, Pressure, Density Altitude, Predicted Payload, Corrected Payload, Weight Score, Payload Score, Flight Score, Total Score, Flight Order, Team No., Class, Team Name, School Name, TOTAL SCORE, Flight Score (ROUND4). Includes a red arrow pointing to the 'Actual Payload' column header.



# 2004 SAE AERO DESIGN WEST Scoring Spreadsheet

| DAY 1                               |                                | DAY 1                   |                                     | DAY 1                                      |  | DAY 1   |   | DAY 1                                 |   | DAY 1                                |                    | DAY 1  |  |
|-------------------------------------|--------------------------------|-------------------------|-------------------------------------|--|--|---|---|---------------------------------------|---|--------------------------------------|--------------------|--------|--|
| SECURITY !!!                        |                                |                         |                                     | 0.5  |  |   |   |                                       |   |                                      |                    |        |  |
| NUMERICAL PRECISION!!!              |                                |                         |                                     | 29.800                                     | 29.750                                 | 10.000  | 29.330  |                                       |   |                                      |                    |        |  |
| (1) DAY 1: Enter School Information |                                |                         |                                     | (2) DAY 1: Enter Scores From Static Events |  |   |   | (3) DAY 1: Enter Penalties as P       |   |                                      |                    |        |  |
| #                                   | Class                          | Team Name               | School Name                         | Report Score<br>8.1.1<br><i>(of 30)</i>    | Plans Score<br>8.1.2<br><i>(of 30)</i> | Payload Prediction Graph<br>8.1.3<br><i>(of 10)</i> | Presentation Score<br>8.1.4<br><i>(of 30)</i> | Late Report<br>8.1.6<br><i>(days)</i> | Airplane Mod.<br>5.6.2<br><i>(points)</i> | Qualifying Flight<br><i>(yes/no)</i> | TOTAL DESIGN SCORE |        |  |
|                                     | <i>R(regular)/<br/>O(open)</i> |                         |                                     |  |  |   |   |                                       |   |                                      |                    |        |  |
|                                     |                                |                         |                                     |  |  |   |   | 0.0000                                |   | Yes                                  |                    | 0.000  |  |
|                                     |                                |                         |                                     |  |  |   |   |                                       |   | Yes                                  |                    | 0.000  |  |
| 1                                   | R                              | Yellow Jackets          | Cedarville Univ                     | 27.990                                     | 26.900                                 | 9.150   | 28.500  |                                       | 0.0000                                    | Yes                                  |                    | 92.540 |  |
| 2                                   | R                              | Lord of the Wing        | Ecole Polytechnique de Montreal     | 28.483                                     | 28.233                                 | 9.633   | 28.830  |                                       | 0.0000                                    | Yes                                  |                    | 95.179 |  |
| 3                                   | R                              | ACE                     | Ecole de technologie superieure     | 25.500                                     | 26.450                                 | 9.500   | 29.000  |                                       | 0.0000                                    | Yes                                  |                    | 90.450 |  |
| 4                                   | R                              | Mulligan                | Univ of British Columbia            | 28.067                                     | 25.000                                 | 0.000   | 25.000  |                                       | 0.0000                                    | Yes                                  |                    | 78.067 |  |
| 5                                   | R                              | R/C A/C                 | Univ of Manitoba                    | 22.600                                     | 26.000                                 | 9.666   | 23.660  |                                       | 0.0000                                    | Yes                                  |                    | 81.926 |  |
| 7                                   | R                              | Aerobrick_2004          | Univ of California Davis            | 23.633                                     | 20.500                                 | 9.500   | 27.330  |                                       | 0.0000                                    | Yes                                  |                    | 80.963 |  |
| 8                                   | R                              | Willie                  | Kansas State Univ                   | 25.933                                     | 27.566                                 | 9.000   | 26.500  |                                       | 0.0000                                    | Yes                                  |                    | 88.999 |  |
| 9                                   | R                              | C-04 Predator           | University of Akron                 | 23.900                                     | 28.000                                 | 9.100   | 27.000  |                                       | 0.0000                                    | No                                   |                    | 88.000 |  |
| 10                                  | R                              | The Flying Moof         | San Jose State Univ                 | 20.900                                     | 27.333                                 | 9.000   | 29.230  |                                       |   | Yes                                  |                    | 86.463 |  |
| 11                                  | R                              | Stingers                | Concordia Univ                      | 16.500                                     | 29.750                                 | 9.250   | 23.330  |                                       | 0.0000                                    | Yes                                  |                    | 78.830 |  |
| 12                                  | R                              | Big Bird                | Ecole National D'Aerotechnique      | 22.350                                     | 25.500                                 | 10.000  | 21.330  |                                       | 0.0000                                    | Yes                                  |                    | 79.180 |  |
| 13                                  | R                              | The Flying Bears        | Univ of California Los Angeles      | 26.300                                     | 26.266                                 | 9.133   | 24.000  |                                       |   | No                                   |                    | 85.699 |  |
| 14                                  | R                              | 243.0                   | Univ of Texas Austin                | 27.000                                     | 25.500                                 | 9.900   | 0.000   |                                       | 0.0000                                    | No                                   |                    | 62.400 |  |
| 15                                  | R                              | UTE Lifters             | Univ of Utah                        | 23.900                                     | 23.967                                 | 8.933   | 0.000   |                                       | 0.0000                                    | No                                   |                    | 56.800 |  |
| 16                                  | R                              | Team Penguin            | LeTourneau Univ                     | 8.666                                      | 22.166                                 | 7.566   | 23.500  | 5                                     | 5.0000                                    | Yes                                  |                    | 31.898 |  |
| 17                                  | R                              | Mighty Mutts            | Michigan Tech Univ                  | 29.800                                     | 28.300                                 | 9.800   | 27.200  |                                       | 0.0000                                    | Yes                                  |                    | 95.100 |  |
| 18                                  | R                              | UWO Aero Design         | Univ of Western Ontario             | 27.500                                     | 27.833                                 | 10.000  | 22.330  |                                       | 10.0000                                   | Yes                                  |                    | 77.663 |  |
| 19                                  | R                              | UM HeavyLift            | Univ of Minnesota-Minneapolis       | 18.550                                     | 21.760                                 | 9.133   | 0.000   |                                       | 0.0000                                    | No                                   |                    | 49.443 |  |
| 20                                  | R                              | CANchord                | Ryerson Univ                        | 25.767                                     | 26.233                                 | 9.333   | 24.330  |                                       | 0.0000                                    | Yes                                  |                    | 85.663 |  |
| 21                                  | R                              | 6 Degrees of Freedom    | Ryerson Univ                        | 22.750                                     | 25.750                                 | 5.900   | 25.500  |                                       | 0.0000                                    | Yes                                  |                    | 79.900 |  |
| 22                                  | R                              | Psycho Silver Squirrels | Univ of Illinois Urbana-Champaign   | 27.167                                     | 28.433                                 | 10.000  | 23.330  | 2                                     |   | Yes                                  |                    | 78.930 |  |
| 23                                  | R                              | Tenacious G             | Gonzaga Univ                        | 23.700                                     | 25.623                                 | 9.866   | 25.500  |                                       | 0.0000                                    | Yes                                  |                    | 84.689 |  |
| 24                                  | R                              | Aerocats                | Univ of Cincinnati                  | 12.733                                     | 10.667                                 | 8.667   | 0.000   |                                       | 0.0000                                    | No                                   |                    | 32.067 |  |
| 25                                  | R                              | RIT Aero                | Rochester Institute of Technology   | 27.900                                     | 25.833                                 | 9.333   | 21.500  |                                       | 0.0000                                    | Yes                                  |                    | 84.566 |  |
| 26                                  | R                              | Blitzkrieg              | Ohio State Univ                     | 28.950                                     | 27.150                                 | 8.250   | 21.000  |                                       | 5.0000                                    | No                                   |                    | 80.350 |  |
| 27                                  | R                              | Shocker                 | Wichita State Univ                  | 25.800                                     | 27.400                                 | 9.500   | 26.166  |                                       | 0.0000                                    | No                                   |                    | 88.866 |  |
| 28                                  | R                              | AeroDesign Club of ME   | California State Northridge         | 26.750                                     | 25.500                                 | 9.500   | 28.660  |                                       | 5.0000                                    | No                                   |                    | 85.410 |  |
| 29                                  | R                              | AeroNatiCats            | Univ of Cincinnati                  | 28.175                                     | 22.700                                 | 9.700   | 23.000  |                                       |   | No                                   |                    | 83.575 |  |
| 30                                  | R                              | Jabiru 04               | Australian National Univ            | 22.433                                     | 25.166                                 | 9.133   | 25.800  |                                       | 0.0000                                    | No                                   |                    | 82.532 |  |
| 31                                  | R                              | UAV-SAE                 | Univ Simon Bolivar                  | 22.667                                     | 20.000                                 | 9.000   | 25.100  |                                       | 0.0000                                    | Yes                                  |                    | 76.767 |  |
| 32                                  | R                              | Flying Tigers           | Auburn University                   | 26.725                                     | 28.125                                 | 9.850   | 29.330  |                                       | 0.0000                                    | Yes                                  |                    | 94.030 |  |
| 33                                  | R                              | Mariachi                | Universidad De las Americas         | 27.175                                     | 28.400                                 | 8.285   | 26.100  |                                       | 0.0000                                    | Yes                                  |                    | 89.960 |  |
| 34                                  | R                              | Ollie's Oddballs        | Parks College of St. Louis          | 23.633                                     | 26.333                                 | 8.966   | 25.660  |                                       | 0.0000                                    | Yes                                  |                    | 84.592 |  |
| 35                                  | R                              | Feathered Anvil         | Colorado State Univ                 | 27.900                                     | 26.850                                 | 10.000  | 25.500  |                                       | 0.0000                                    | Yes                                  |                    | 90.250 |  |
| 36                                  | R                              | Kahuna                  | Univ of Kansas-Lawrence             | 27.800                                     | 28.750                                 | 10.000  | 29.330  |                                       | 0.0000                                    | No                                   |                    | 95.880 |  |
| 37                                  | R                              | Stevens2004             | Stevens Institute of Tech           | 23.750                                     | 22.333                                 | 8.333   | 26.660  |                                       | 0.0000                                    | Yes                                  |                    | 81.076 |  |
| 38                                  | R                              | Aeroheads               | South Dakota School of Mines & Tech | 27.900                                     | 29.000                                 | 9.250   | 27.330  |                                       |   | Yes                                  |                    | 93.480 |  |
| 201                                 | O                              | UCDavis UAV Group       | Univ of California Davis            | 25.550                                     | 29.066                                 | 9.333   | 27.800  |                                       |   | Yes                                  |                    | 91.749 |  |
| 203                                 | O                              | Leading Edge            | Univ of British Columbia            | 24.050                                     | 24.000                                 | 8.900   | 21.660  |                                       |   | Yes                                  |                    | 78.610 |  |
| 211                                 | O                              | Influence               | Ecole Polytechnique de Montreal     | 26.750                                     | 27.250                                 | 9.150   | 21.660  |                                       |   | No                                   |                    | 84.810 |  |
| 212                                 | O                              | Conquest                | University of Akron                 | 25.433                                     | 27.667                                 | 9.167   | 29.330  |                                       |   | No                                   |                    | 91.597 |  |
| 213                                 | O                              | URSA Major              | Univ of California Los Angeles      |  |  |   | 26.330  |                                       |   | No                                   |                    | 26.330 |  |
| 220                                 | O                              | RoadRunners             | Univ of Texas San Antonio           |  |  |   | 0.000   |                                       |   | No                                   |                    | 0.000  |  |
| 221                                 | O                              | Advanced Aero-Vehicle   | Univ of Missouri-Rolla              | 24.125                                     | 25.585                                 | 9.875   | 27.000  |                                       |   | Yes                                  |                    | 86.585 |  |
|                                     |                                |                         |                                     |  |  |   |   |                                       |   |                                      |                    | 0.000  |  |