



Beechcraft

BY TEXTRON AVIATION



RTX

COLLINS AEROSPACE | PRATT & WHITNEY | RAYTHEON



2025 DBF Contest Fly-off Information

The 2025 DBF Fly-Off weekend, hosted by RTX, will be held at the TIMPA model aircraft facility located on Reservation Road approximately 30 miles from the Tucson Airport. Maps and driving directions to the facility are included at the end of this document. Local hotel information can be obtained from <http://www.visittucson.org>.

Date: 10-13 April 2025

Location:

Tucson International Modelplex Park Association (TIMPA)

3250 N Reservation Rd, Marana, AZ

<http://www.timpa.org>

Emergency Communication: In case of urgent or emergency communication needs during the contest weekend, the DBF committee will send an email to the official team emails on record. Please assure that your contact email for your team is up to date. In addition, all urgent or emergency communications will be shared via multiple social media outlets as shown below as well as updates on the competition. Be sure to connect with the following:

<http://www.facebook.com/aiaadbfbf> <https://www.facebook.com/AIAAfan> <https://discord.gg/CnfbkW6fVU>

#AIAADBF:

@aiaaerospace (Instagram)

@aiaa (X)

Security/Visitor Access: Although this is not a secured facility, it is property of the City of Tucson and participants must follow all posted rules. The contest is not a public event and it is preferred to keep the number of outside visitors to a minimum. **NEW THIS YEAR – ALL attendees – students, advisors, pilots, volunteers, guests, etc. - must register to attend using the on-line form on the DBF website.**

Cameras: Personal cameras will be allowed at the contest site.

Facility: Tents with reserved working boxes for each team and electric power stations for battery charging and power tools will be provided. The permanent building at the site will be reserved for official contest activities, including tech inspections. There is plenty of parking available, however teams bringing trailers should park them in the rear areas to maximize the available close-in parking. Please follow the unloading procedures herein for everyone's safety. If you plan on leaving trailers or tents overnight, you must obtain permission from the on-site coordinator, Matt Angiulo at matt.angiulo@rtx.com.

NOTE: Neither TIMPA nor RTX are responsible or liable for any trailers or their contents left at the facility overnight.

NOTE: This is a non-smoking facility, and it will be strictly enforced. You must leave the TIMPA field, which means exiting the gate, to smoke.

Desert Preparedness: Southern Arizona is a desert at altitude. Visitors who are not accustomed to a dry, desert environment must take precautions to avoid dehydration and heat exhaustion. Drinking lots of fluids, even if not thirsty, and avoiding prolonged periods in direct sunlight are the best way to avoid dehydration. Sunscreen is also highly recommended to avoid sunburn, which can happen quickly in this environment. A limited amount of bottled water will be available on site but teams are encouraged to bring plenty of water and other hydration drinks.

Food: On-site food availability is planned via "food-truck" vendors. Teams are responsible for paying for their own food. Food truck variety may change each day and there is no guarantee of selection and availability. Teams should plan accordingly and bring food and drink with them if a specific dietary need is required.



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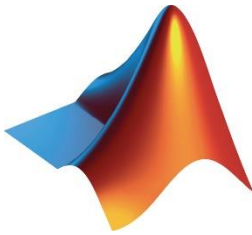
AIAA
FOUNDATION

Battery Safety: Battery charging will only be allowed in the charging tent next to the team tent regardless of battery type. This will be strictly enforced. For lithium-based batteries, teams must bring the required unaltered, commercially procured charging sacks with them for both charging and storage as specifically required in the rules.

Volunteer Pilots: Volunteer pilots will be available at the contest fly-off. There will be two sign-up sheets at the check-in table, one is for teams needing a pilot and the other is for pilots who are willing to fly for other teams. It will be up to both parties to get together, the contest officials are not involved.

DBF Social Event: After a long day of flying, relax and get to know your fellow competitors during Friday evening's social event. The social event will be held on-site at TIMPA field from 5-7pm. Play some lawn games, enjoy delicious complimentary food and beverages from local food trucks, and drop off your completed peer-to-peer networking bingo card for a chance to win a cool prize.

DBF Gold Sponsors: In addition to our Premier sponsors RTX and Textron Aviation, the AIAA Foundation and the DBF Organizing Committee would like to welcome the following Gold Sponsors for the 2025 competition year:



MathWorks®



GENERAL ATOMICS



STOKE



COLLEGE OF ENGINEERING

**Aerospace &
Mechanical Engineering**



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DBF 2025 Tentative Flyoff Schedule

Thursday, April 10

1000 Teams will be given access to the facility.

1200 Tech inspection opens. Tech Order will be in the same sequence as the Flight Order which will be e-mailed to teams as outlined in the rules. See the rules regarding how Flight Order is determined.

Be sure your *Pre-Tech and First-Flight Certification* form (available on the website) is completed, signed, and with you as you will need to present it to enter Tech inspection. You must also bring your proof of flight video with you as required in the rules.

1400 Ground Mission opens

1800 Tech Inspection and Ground Mission closes

1900 All students/advisors/guests must be off the facility.

1930 Gate secured for the night.

Friday, April 11

0700 Gates opened to teams and judges.

0800 **Mandatory** Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements **before** being called to the flight line for their flight attempts.

0830 (Approx) Flight Line will open following the Pilot Briefing. Flight Order will be determined according to the rules.

0830 (Approx) Tech inspection will re-open following the Pilot Briefing. Tech Order will continue from prior day.

1700 Social event at TIMPA begins.

1800 Flight line closes (you must be IN THE AIR by this time for the flight to be counted). Tech Inspection and Ground Mission closes.

1900 Social event at TIMPA ends.

1930 All students/advisors/guests must be off the facility.

2000 Gate secured for the night.

Saturday, April 12

0700 Gates opened to teams and judges.

0800 **Mandatory** Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements **before** being called to the flight line for their flight attempts.

0830 (Approx) Flight Line will open following the Pilot Briefing. Flight Order will continue from prior day.

0830 (Approx) Tech inspection will re-open following the Pilot Briefing. Tech Order will continue from prior day.

1800 Flight line closes (you must be IN THE AIR by this time for the flight to be counted). Tech Inspection and Ground Mission closes.

1900 All students/advisors/guests must be off the facility.

1930 Gate secured for the night.



Sunday, April 13

- 0700 Gates opened to teams and judges.
- 0800 **Mandatory** Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements **before** being called to the flight line for their flight attempts.
- 0830 (Approx) Flight Line will open following the Pilot Briefing. Flight Order will continue from prior day.
- 0830 (Approx) Tech inspection will re-open following the Pilot Briefing. Tech Order will continue from prior day.
- 1700 Flight line closes (you must be IN THE AIR by this time for the flight to be counted). Tech Inspection and Ground Mission closes.
- 1730 Awards presentation.
- 1800 All students/advisors/guests must be off the facility.
- 1830 Gate secured for the night.



Team Tent Layout and Space Assignments

Teams will be assigned a space at the fly-off inside the large team tent. Space assignments are shown below and will be marked. Teams are required to stay within the boundaries of their assigned space. There are a large number of teams and students in attendance and cooperation and respect of other teams' space is necessary. There is no limit on the number of students that may attend for each team, but be aware that the spaces have a limited size and for teams with a large team attendance, not all students will be allowed to occupy the space at one time. Volunteers will be available to assist teams with their assigned space.

109	103	101	97	93	89	85	81	77	73	69	65	61	57		53	51	47	43	39	35	31	27	23	19	15	11	7	3
107	105	99	95	91	87	83	79	75	71	67	63	59	55		49	45	41	37	33	29	25	21	17	13	9	5	1	Entrance
108	104	100	96	92	88	84	80	76	72	68	64	60	56		50	46	42	38	34	30	26	22	18	14	10	6	2	
110	106	102	98	94	90	86	82	78	74	70	66	62	58		54	52	48	44	40	36	32	28	24	20	16	12	8	4



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TIMPA Facility Map with Driving and Parking Instructions





DBF 2025 Flyoff Location

[Tucson International Modelplex Park Association \(TIMPA\)](#)



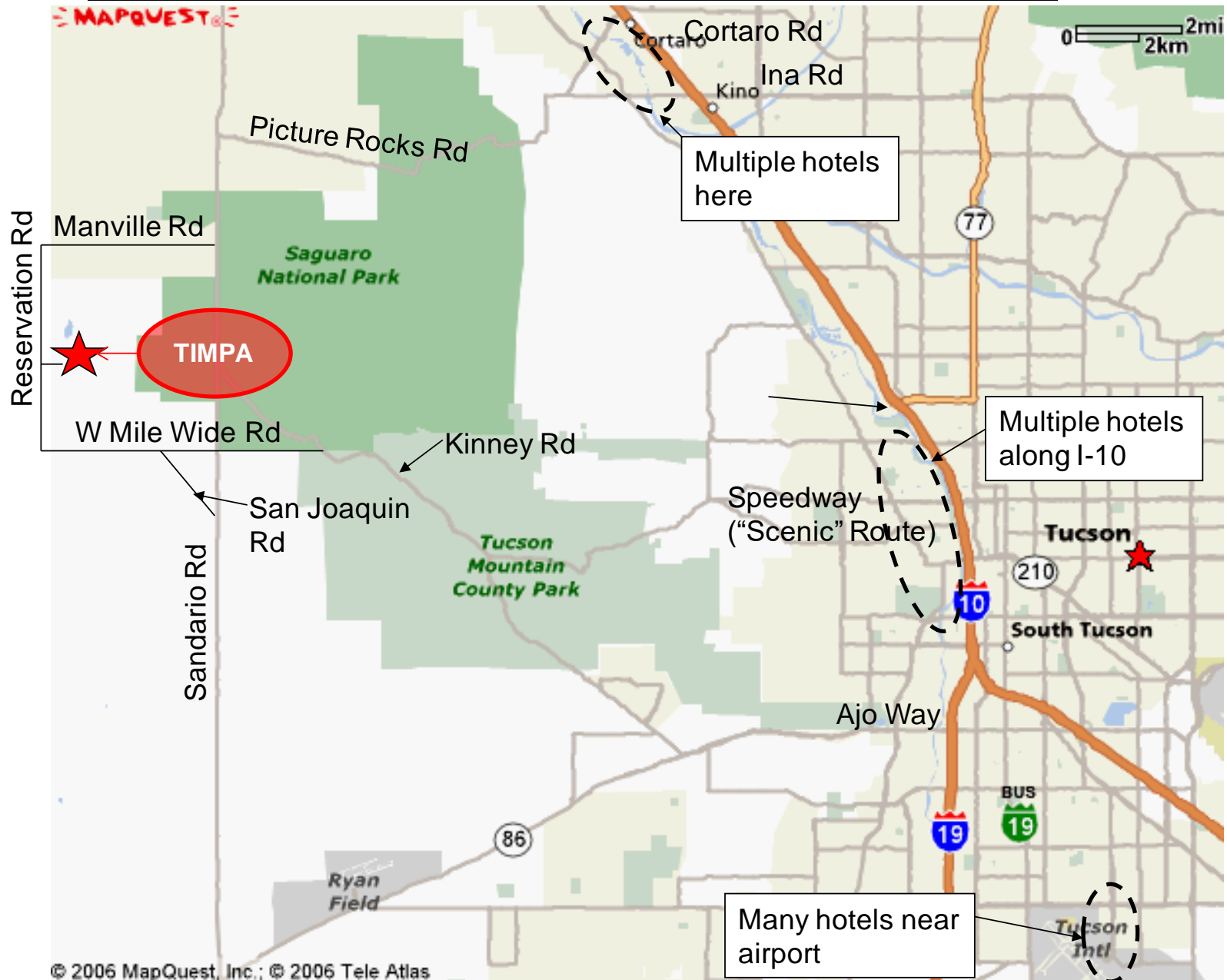


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Driving Directions

From Tucson Airport:

- North on Tucson Blvd which will turn into Benson Hwy after a curve to the left
- Benson Hwy to Ajo Way and turn left (west)
- 15 miles on Ajo Way (Hwy 86) to Sandario Rd, turn right (north)
- Sandario Rd to San Joaquin Rd, turn left (northwest)
- San Joaquin Rd to Mile Wide Rd, turn left (west)
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE CAUTION]
- The entrance to the TIMPA facility will be on the right

From Ina and Cortaro Rds:

- Ina Rd west of Silverbell Rd or Cortaro Rd west/southwest to Ina (dead end) and turn right (west)
- Ina Rd will turn into Wade Rd at the left turn (south)
- Wade Rd will turn into Picture Rocks Rd as you go through Saguaro National Park
- Follow Picture Rocks Rd to Sandario Rd, turn left (south)
- Sandario Rd to Manville Rd, turn right (west)
- Manville Rd to Reservation Rd, turn left (south)
- The entrance to the TIMPA facility will be on the left

From I-10 Corridor:

- East (actually travelling SE) on I-10 to I-19 South
- I-19 to Ajo Way and turn right (west)
- 12 miles on Ajo Way (Hwy 86) to Sandario Rd, turn right (north)
- Sandario Rd to San Joaquin Rd, turn left (northwest)
- San Joaquin Rd to Mile Wide Rd, turn left (west)
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE CAUTION]
- The entrance to the TIMPA facility will be on the right

From I-10 Corridor – Scenic Route:

- West on Speedway Blvd which will turn into Gates Pass Rd over the Tucson mountains (Gates Pass – watch for bicycles!! and stop and check out the view from the top of the pass!!)
- On the other side of the pass, Gates Pass Rd will dead end into Kinney Rd, turn right (northwest)
- Stay on Kinney Rd past the Desert Museum and turn left on Mile Wide Rd.
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE CAUTION]
- The entrance to the TIMPA facility will be on the right

- **CAUTION: There is a single lane bridge along Mile Wide Rd (how ironic) as you approach Reservation Rd. This road can be dangerous for the inexperienced driver. USE CAUTION!!**