Air Traffic Mandatory Occurrence Report
TUS-M-2021/02/09-0004

1. Reporting FAC ID			2. Date UTC (dd/mm/yyyy)								3. Time UTC				4. Significant Occurrence?	
T	U	S	1	0	0	2	2	0	2	1	0	5	3	0	● Yes O No	

5. MOR reported by (select one):
- O Controller providing services
- O CIC
- O External Facility Referral
- O FLM
- O Aircraft Owner/Operator
- O Hotline (Describe in summary)
- O Internal Facility Review
- O Electronically Detected
- O Other (Describe in summary)

6. Did equipment outage potentially contribute to this event? O Yes ● No

Training in progress? O Yes O No   Nearest Airport: __TUS__   Alert #: _____

UAS Report Originated From	Response Action(s) Taken	Suspicious UAS Activity Reported to
	☐ Runway Change ☐ Go Around ☐ Delay Departure for Local Traffic ☐ Delay Vector/Reroute Traffic ☐ Suspension of Operations ☐ Traffic Management Initiative ☐ Control Instructions Issued ☐ Other	☒ Law Enforcement ☐ Airport Operator ☐ TSA ☐ DEN ☐ ROC ☐ Other

Law Enforcement Contact Info: AIRE02

UAS: Hazardous and/or Unauthorized UAS Activity MORs

1. Aircraft information:

Aircraft ID	Aircraft type/suffix	IFR/VFR:	Facility communicating with A/C	Position communicating with A/C	Frequency
TROY164	**AS50**	O IFR ● VFR	**TUS**	**LC-1**	**118.3**

Registration #	UAS Type	Facility	Formation	UAS Position	Frequency
UNK	Quad Copter	TUS	O Chase O Swarm ● N/A	**11342**	**118.3**

Additional Information

Airspace Class	TCAS Resolution Advisory?	A/C Location (F/R/D):	
C	O Yes ● No	**1/4 MILE EAST OF KINO HOSPITAL**	☐ UAS Communicated with ATC Certificate of Authorization: _____

A/C Altitude:	A/C Heading:	Relative Clock Position:	Closest Proximity:	
3700	**273**	**Twelve O'Clock**	**100**	☐ UAS weight exceeds 55 lbs UAS Color: **UNK** UAS Dimensions (feet): ____**UNK**____

UAS was fixed wing or rotorcraft?	Fix/Radial/Distance	UAS Position (Decimal format)	Pilot reported as NMAC?
O Fixed Wing ● Rotorcraft __-1__ rotors O Unknown		Latitude: __32.18__ Longitude: __-110.94__	● Yes O No

Altitude	Heading	UAS Authorization
		O UAS Activity was Authorized ● UAS Activity was Unauthorized O Unknown

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Additional Information	
Number of Suspicious UAS ◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 or more	**Number of Reporting aircraft** ◯ 1 ◯ 2 ◯ 3 ◯ 4 ◯ 5 ◯ 6 ◯ 7 or more

Identification Method(s)	Risk associated with UAS Activity	UAS Advisory Issue by ATC
☐ Squawking/Communicating/Indicated on Radar ☐ Remote ID Present ☐ Lost Link Event	☐ Possible Security Threat ☒ Possibly Hazardous	☐ ATIS Update ☐ NOTAM Issued ☐ Transmission on Frequency

Pilot Reported	Beginning of UAS Event (UTC)	End of UAS Event (UTC)
☐ Evasive Vertical Change ☐ Collision ☐ Evasive Lateral Change ☐ Injuries		

METAR Observation
KTUS 100453Z 16004KT 10SM CLR 16/M09 A2999 RMK AO2 SLP129 T01561089

Previous Note(s)

On Feb 10, 2021 @ 18:24 EST/EDT, ▓▓▓▓▓▓▓ @ TUS wrote:
Unfortunately we don't have DRAAS audio

On Feb 11, 2021 @ 11:08 EST/EDT, ▓▓▓▓▓▓▓ ASW wrote:
Please attach a voice recording of communications with TROY164. Also advise start time in HH:MM:SS. Thanks.

On Feb 11, 2021 @ 11:35 EST/EDT, ▓▓▓▓▓▓▓ @ TUS wrote:
I have attached the falcon with audio. I thought I added it yesterday when I made the comment about DRAAS, which I noted because the replay itself is fairly long yet I don't know of any way to easily find the relevant transmissions.

NMAC

Was this a NMAC?

● Yes ◯ No	NMAC Number:	**N-WP-T-TUS-21-001**	

Summary

J1. Summary - provide a brief summary for all MORs in this section that will provide enough information for QA to understand what occurred. Include information about items that require additional information in the specific MOR you are reporting.

PILOT OF TROY164 (AS50) REPORTED A NMAC ON FREQ 118.3. REPORTED UNKNOWN UAS LESS THAN 100 FEET, 12 O'CLOCK. HAD TO DESCEND IMMEDIATELY AND TURN TO AVOID. MADE 360'S TO LOCATE THE DRONE. DID LOCATE THE DRONE ABOVE HIM AND TRACKED IT UNTIL AIRE 2 ARRIVED. DRONE CIRCLED BETWEEN BOTH HELOS AND CLIMBED UP TO AND ABOVE AN ESTIMATED 12000 FEET AND TRAVELED 10 MILES NORTH/NORTHEAST TOWARDS MT. LEMMON. PILOTS UNABLE TO FULLY IDENTIFY TYPE OR COLOR OF DRONE DUE TO NIGHTTIME CONDITIONS AND MANEUVERABILITY OF UAS. ATTEMPTED TO CAPTURE CAMERA FOOTAGE BUT UNABLE, PURSUED FOR OVER 60 MINUTES UNTIL CONTACT LOST IN VICINITY OF MARANA AIRPORT. DEN NOTIFIED AT 0530Z AND AGAIN AT 0640Z WHEN BOTH HELOS DEPARTED THE VICINITY OF MARANA.

QA Summary
QA reviewed Falcon data & LC audio. Validated possible NMAC. FAA 8020-21 completed. Forwarded to FSDO.