

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u> KTUS	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 11L	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> TUCSON	<u>STATE</u> AZ		
<u>AIRPORT ELEVATION</u> 2643	<u>TDZE</u> 2599	<u>SUPERSEDED</u> VOR OR TACAN RWY 11L	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 07/15/2021	<u>MAG VAR</u> 12E	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> TUS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> 12/29/2022	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SSAND/TUS 30.00 DME		TUS VORTAC					250.81	30.00	10700
TUS VORTAC		LIPTE INT/TUS 17.75 DME					303.05	17.75	7500
TACUB/TUS 29.10 DME	IAF	LIPTE INT/TUS 17.75 DME	NOPT				123.05	11.35 (TUS R-303)	6000
LIPTE INT/TUS 17.75 DME	IF/IAF	WASON INT/TUS 12.78 DME					123.05	4.96 (TUS R-303)	5500
WASON INT/TUS 12.78 DME		CALLS INT/TUS 10.46 DME					123.05	2.33 (TUS R-303)	5000
CALLS INT/TUS 10.46 DME		POCIB INT/TUS 8.46 DME					123.05	2.00 (TUS R-303)	4600

MISSED APPROACH

MAP:

6.07 NM AFTER POCIB INT/TUS 8.46 DME OR AT TUS 2.38 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 THEN CLIMBING RIGHT TURN TO 6000 (CAT. E 8000) ON HEADING 300 AND TUS VORTAC R-270 TO RYN NDB/TUS 12.8 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NW LIPTE, RT, 123.05 INBOUND, 6000 FT. IN LIEU OF PT (IAF), MAX 10000.
3. FAC: 123.05 FAF: POCIB INT/TUS 8.46 DME DIST FAF TO MAP: 6.07 DIST FAF TO THLD: 6.07
4. MIN ALT: LIPTE INT/TUS 17.75 DME 6000, WASON INT/TUS 12.78 DME 5500, CALLS INT/TUS 10.46 DME 5000, POCIB INT/TUS 8.46 DME 4600, PARCS INT/TUS 5.06 DME 3480
8. MSA FROM: TUS VORTAC 240-330 6600, 330-240 10700

QUALITY
26
CHECKED

EQUIPMENT REQUIREMENTS NOTES:

RADAR AND DME REQUIRED FOR PROCEDURE ENTRY AT TACUB.
ADF OR DME REQUIRED.
DME REQUIRED FOR ARRIVALS AT SSAND.

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SSAND ON J104 EASTBOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TUS VORTAC AIRWAY RADIALS 288 CW 308.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT E VISIBILITY TO 1 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: DINGO/TUS 40.00 DME/RADAR.
HOLD W, RT, 090.00 INBOUND.
CHART FAS OBST: 2691 TANK 320758N/1105703W.
CHART VDP AT 3.55 DME.
DISTANCE VDP TO THLD 1.17 NM.
POCIB TO RW11L: 3.05/55.

MINIMUMS:
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 1100-3, CAT E 1300-3

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-11L	3020	2400	421	3020	2400	421	3020	4000	421	3020	4000	421	3020	4000	421
CIRCLING	3160	1	517	3180	1	537	3200	1 1/2	557	3660	3	1017	3920	3	1277

CHANGES - REASONS

1. DELETED FEEDER SEGMENT DINGO TO TACUB. - AVQ NDB DECOMMISSIONED AND NO COURSE GUIDANCE.
2. CHANGED FIX TACUB DESCRIPTION FROM "TACUB INT/TUS 29.10 DME" TO "TACUB/TUS 29.10 DME". - FIX TYPE CHANGED, NO LONGER AN INTERSECTION DUE TO AVQ NDB DECOMMISSIONING.
3. ADDED ADDITIONAL FLIGHT DATA CHART IN PLANVIEW NOTE "DINGO/TUS 40.00 DME/RADAR". - ATC REQUEST FOR THEIR LOA BETWEEN ZAB AND U90 (ARTCC AND TERMINAL APPROACH).
4. DELETED CHART NOTE "RADAR OR ADF REQUIRED FOR ARRIVALS AT DINGO". - FEEDER SEGMENT DINGO TO TACUB DELETED DUE TO AVQ NDB DECOMMISSIONING.
5. ADDED EQUIPMENT REQUIREMENTS NOTE "RADAR AND DME REQUIRED FOR PROCEDURE ENTRY AT TACUB". - IAW FAAO 8260.19I PARAGRAPH 8-6-8.A.(1)(D).
6. ADDED EQUIPMENT REQUIREMENTS NOTE DME REQUIRED FOR ARRIVALS AT SSAND. - IAW FAAO 8260.19I PARAGRAPH 8-6-8 A.(1).
7. DELETED ADDITIONAL FLIGHT DATA CHART PLANVIEW NOTE "ADF OR DME REQUIRED". - IAW FAAO 8260.19I PARAGRAPH 8-6-8 A.(5).
8. ADDED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVAL ON TUS VORTAC AIRWAY RADIALS 288 CW 308. - IAW FAAO 8260.19I PARAGRAPH 8-2-5.E.(2).
9. ADDED CHART PLANVIEW NOTE PROCEDURE NA FOR ARRIVALS AT SSAND ON J104 EASTBOUND. - IAW FAAO 8260.19I PARAGRAPH 8-2-5.E.(2).
10. ADDED NOPT TO INITIAL SEGMENT TACUB TO LIPT. - IAW FAAO 8260.19I PARAGRAPH 8-6-4.A.(3).
11. CHANGED MISSED APPROACH POINT FORMAT FROM "6.07 MILES AFTER POCIB OR AT RW11/TUS 2.38 DME" TO "6.07 NM AFTER POCIB INT/TUS 8.46 DME OR AT TUS 2.38 DME". - IAW FAAO 8260.19I PARAGRAPH 8-6-6.C.(2).
12. CHANGED LINE 4 FIX DESCRIPTIONS FROM LIPT. TO LIPT. INT/TUS 17.75 DME, FROM WASON TO WASON INT/TUS 12.78 DME, FROM CALLS TO CALLS INT/TUS 10.46 DME AND FROM POCIB TO POCIB INT/TUS 8.46 DME. - IAW FAAO 8260.19I PARAGRAPH 8-2-6.
13. CHANGED ALTERNATE MINIMUMS FROM "STANDARD EXCEPT CAT D 1100-3, CAT E 1300-3" TO STANDARD - CAT D 1100-3, CAT E 1300-3". - IAW FAAO 8260.19I PARAGRAPH 8-6-11.B.(4).
14. ADDED MAX 10000 TO PROFILE LINE 2. - IAW FAAO 8260.19I PARAGRAPH 8-6-7.B.(2).
15. ADF OR DME REQUIRED MOVED FROM CHART NOTES TO EQUIPMENT REQUIREMENTS NOTES. - IAW FAAO 8260.19I PARAGRAPH 8-6-8.
16. CHANGED COURSE ON FEEDER SEGMENT SSAND TO TUS VORTAC FROM 251.31 TO 250.81. - UPDATED COURSE EVALUATION.



AIRPORT ID
KTUS

PROCEDURE NAME
VOR OR TACAN RWY 11L

ORIGINAL/AMENDMENT
1D

CITY
TUCSON

STATE
AZ

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAB, U90 (TUS TRACON), TUS ATCT, AZ AERO, AMGR, NGB/A306 (ANG)

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE
FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by

ERIC N SUSKI

Oct 31, 2022

Digitally signed by

ERIC N SUSKI

Oct 31, 2022

TITLE

MANAGER

Digitally signed by

ERIC N SUSKI

Oct 31, 2022

DEVELOPED BY

ERIC N SUSKI (MICHAEL MCCARTNEY)

OFFICE

AJV-A431

DATE

10/06/2022

APPROVED BY

JOHNNIE BAKER

OFFICE

AJV-A430

DATE

QUALITY
26
CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
KTUS	VOR OR TACAN RWY 11L	1D	TUCSON	AZ	2643	TUS

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM SSAND/TUS 30.00 DME TO TUS VORTAC

<u>RNP</u>	<u>DISTANCE</u> 30.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
200' AAO	320722.90N/1103107.00W		8682	20	3	1A	2000					10700
SPOT ELEV	320722.90N/1103107.00W		8482 (8500)								AS1500	10000

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FEEDER

FROM TUS VORTAC TO LIPTE INT/TUS 17.75 DME

<u>RNP</u>	<u>DISTANCE</u> 17.75	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
200' AAO	321640.80N/1110845.50W		4887	50	3	2A	2000				AT613	7500
SPOT ELEVATION	321640.80N/1110845.50W		4687 (4700)								AS1500	6200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
TACUB/TUS 29.10 DME

TO
LIPTE INT/TUS 17.75 DME

RNP	DISTANCE 11.35	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
200' AAO	322042.92N/1110901.20W		3770	50	3	2A	1000				AT1180	6000
TERRAIN	322042.92N/1110901.20W		3570 (3600)								AS1500	5100

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

INTERMEDIATE

FROM
LIPTE INT/TUS 17.75 DME (IF/IAF)

TO
WASON INT/TUS 12.78 DME

<u>RNP</u>	<u>DISTANCE</u> 4.96	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
200' AAO	321640.80N/1110845.50W		4887	50	3	2A	500				PR78	5500
SPOT ELEVATION	321640.80N/1110845.50W		4687 (4700)								AS700	5400

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:



INTERMEDIATE: STEPDOWN

FROM
WASON INT/TUS 12.78 DME

TO
CALLS INT/TUS 10.46 DME

RNP	DISTANCE 2.33	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
200' AAO	321232.81N/1110624.59W		4479	50	20	2C	500					5000
TERRAIN	321232.81N/1110624.59W		4279 (4300)								AS700	5000

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
CALLS INT/TUS 10.46 DME

TO
POCIB INT/TUS 8.46 DME

RNP	DISTANCE 2.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
200' AAO	321123.40N/1110317.70W		4060	50	3	2A	500					4600
SPOT ELEVATION	321123.40N/1110317.70W		3860 (3900)								AS700	4600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

POCIB INT/TUS 8.46 DME

TO

PARCS INT/TUS 5.06 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	3.40											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
60' TREE	321001.52N/1110505.57W	2979	50	20	2C	250				DG251	3480	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: STEPDOWN

FROM

PARCS INT/TUS 5.06 DME

TO

6.07 NM AFTER POCIB INT/TUS 8.46 DME OR AT TUS 2.38 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	1.00		6.07 NM AFTER POCIB INT/TUS 8.46 DME OR AT TUS 2.38 DME	421								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
14.TANK (04-000322)	320757.92N/1105702.94W	2691	20	3	1A	250				MA79	3020	

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
LIPTÉ

TO
P-4

RNP	DISTANCE	PAT P-4	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
200' AAO	321640.80N/1110845.50W		4887	50	3	2A	1000				AT18	6000
SPOT ELEVATION	321640.80N/1110845.50W		4687 (4700)								AS700	5400

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:

MISSED APPROACH

FROM
6.07 NM AFTER POCIB INT/TUS 8.46 DME OR AT TUS 2.38 DME

TO
RYN NDB

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 2770					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
ATCT (04-023899)	320639.77N/1105643.80W		2848	20	3	1A		ASC				6000
AAO	320512.15N/1110334.94W		3898	50	20	2C	1000					4900
TERRAIN	320512.15N/1110334.94W		3698 (3700)								AS1500	5200

COMPUTATIONS												
ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE	

SEGMENT REMARKS:



CIRCLING

☒ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
CONTROL TOWER (04-023899)	320639.77N/1105643.80W	1.34	517	2848	20	3	1A	300			3160
CATEGORY B											
TREE (04-024338)	320623.68N/1105917.50W	1.90	537	2868	20	10	1B	300			3180
CATEGORY C											
TRANSMISSION LINE (04-056776)	320431.54N/1105234.33W	3.00	557	2894	20	3	1A	300			3200
CATEGORY D											
AAO	320540.87N/1110141.87W	3.93	1017	3360	50	20	2C	300			3660
CATEGORY E											
AAO	320515.53N/1110239.36W	4.94	1277	3620	50	20	2C	300			3920

CIRCLING REMARKS:

MSA

CENTER
TUS VORTAC

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
240-330	200' AAO	322221.00N/1105624.00W	344	17.1	5512	500	125	5E	1000			6600
330-240	200' AAO	314148.00N/1105054.00W	159	23.9	9653	20	3	1A	1000			10700

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

1. VEGETATION: 60 FT TREE.
2. ALTERNATE MISSED APPROACH NOT CONSTRUCTED DUE TO AVAILABILITY OF SUITABLE NAVAIDS.
3. CHART FIX DINGO PER ATC REQUEST FOR THEIR LOA BETWEEN ZAB AND U90 (ARTCC AND TERMINAL APPROACH).
4. MVA AT FIX DINGO IS 5500.
5. MSA OBSTACLE LATITUDE/LONGITUDE MISSING ON PREVIOUS FORMS. COORDINATES DERIVED FROM ILS OR LOC RWY 11L FORMS.
6. TERMINAL AIRSPACE DATA REQUIREMENTS (TADR) INFORMATION MISSING ON PREVIOUS FORMS. HIGH TERRAIN ALTITUDE AND COORDINATES ON THESE FORMS MATCH ILS OR LOC RWY 11L FORMS. TADR ALTITUDE AND DISTANCES ON THESE FORMS ARE DERIVED FROM THE ILS OR LOC RWY 11L TADR.

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZAB ARTCC, TUS APP CON, TUS TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KTUS	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KTUS	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>

WX REMARKS:
NO BACKUP ALTIMETER DUE TO REDUNDANT WEATHER SOURCES AVAILABLE.

<u>PRIMARY NAVAID</u> TUS VORTAC	<u>MONITOR POINT</u> POCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW11R - MIRL, PAPI-4L		BSC-G	
RW29L - MIRL, REIL		BSC-G	
RW03 - MIRL		NPI-G	
RW21 - MIRL, REIL, PAPI-4L		NPI-G	
RW29R - HIRL, REIL, PAPI-4L		NPI-G	ROLL OUT
RW11L - MALSR, HIRL, PAPI-4L		PIR-G	APPROACH

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 73.4
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:



"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KTUS	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 11L	<u>AMDT NO.</u> 1D	<u>CITY</u> TUCSON	<u>STATE</u> AZ	<u>AIRPORT ELEVATION</u> 2643	<u>FACILITY</u> TUS
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	8.34
WIDTH OF	INTERMEDIATE	SEGMENT AT 1000FT POINT	3.08
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	135.05
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1000FT POINT	4700
DISTANCE FROM	THLD	TO 1500FT POINT	9.70
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	3.20
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	135.05
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	4700

THRESHOLD
COORDINATES
(IF STR-IN)

320724.13N/1105652.49W

ARP COORDINATES

320657.85N/1105627.65W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 29R DISTANCE 1.25 NM

FAF
COORDINATES

321142.36N/1110155.96W

FIX NAME
COORDINATES

IF WASON: 321446.22N/1110532.49W, IF CALLS: 321307.35N/1110336.01W, IF/IAF LIPTE: 321816.95N/1110941.08W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

QUALITY
26
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

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PART E: PREPARED BY

<u>NAME</u> ERIC N SUSKI (MICHAEL MCCARTNEY)	<u>OFFICE</u> AJV-A431	<u>DATE</u> 10/06/2022	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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