

RADIO FIX AND HOLDING DATA RECORD

NAME: JEGEK

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321118.48N/1105128.25W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
STAR

USE TITLE
RNAV (GPS) Z RWY 12
ZONNA (RNAV)

FAC

PAT

AIRPORT IDENT
KTUS
KTUS

CITY
TUCSON
TUCSON

STATE
AZ (US)
AZ (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

REMOVED OBSOLETE FIX MAKE-UP
UPDATED FORMATTING OF FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jul 20, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOKIM

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 320356.36N/1102012.22W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	TUCSON	TUS	VORTAC	VH	081.28	093.28	29.52	29.52		10500	17500

HOLDING:

HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	NE		WP	065.89	245.89	L		10	12000	17500	15	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	320715.00N/1103118.00W	8511	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	330

REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUIREMENT

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED
HOLDING PATTERN 1 OBST 10230 FT INTO SA AREA; EQUIVALENT 7589 FT.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) Z RWY 30			KTUS	TUCSON	AZ (US)
IAP	RNAV (RNP) Y RWY 30			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) RWY 3			P33	WILLCOX	AZ (US)
STAR	ZONNA (RNAV)		1	KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

ADDED HOLDING PATTERN 1
UPDATED FIX USE FOR ZONNA (RNAV) STAR TO INCLUDE HOLDING PATTERN

10/05/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 07/20/2023
REMOVED V16 FROM FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Oct 05, 2023

QUALITY
31
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OTUKE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 322232.29N/1110440.92W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	DAVIS MONTHAN	DMA	TACAN	L	310.00	322.00	16.35	16.35		5500	8000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DAVIS MONTHAN	1		KDMA	TUCSON	AZ (US)
IAP	RNAV (GPS) Z RWY 12			KTUS	TUCSON	AZ (US)
STAR	ZONNA (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: STAR, MILITARY IAP, MILITARY DP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

KTUS IAP RWYS RENUMBERED DUE TO MAGVAR UPDATE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jul 20, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PENSL

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 320809.40N/1091544.03W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
ZONNA (RNAV)

FAC

PAT

AIRPORT IDENT
KTUS

CITY
TUCSON

STATE
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

REMOVED OBSOLETE FIX MAKE-UP
UPDATED FORMATTING OF FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jul 20, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SSAND STATE: AZ COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 320933.39N/1101951.22W TYPE: WP, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	MRA	MAA
1	TUCSON	TUS	VORTAC	VH	070.50	082.50	30.00		14000	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	E		WP	075.47	255.47	R	10	14000 21000	15 19

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	321306.00N/1103212.00W	8563	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	360

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J104	1				(US)
IAP	ILS OR LOC RWY 12	1		KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) Z RWY 12			KTUS	TUCSON	AZ (US)
IAP	RNAV (RNP) Y RWY 12			KTUS	TUCSON	AZ (US)
IAP	VOR OR TACAN RWY 12	1		KTUS	TUCSON	AZ (US)
STAR	ZONNA (RNAV)		1	KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

UPDATED HOLDING PATTERN 1 INBOUND COURSE FROM 251.18 TO 255.47
HOLDING PATTERN 1 CONTROLLING OBSTACLE NOW LOCATED IN PRIMARY AREA - REMARK REMOVED
UPDATED HOLDING PATTERN 1 MAXIMUM ALTITUDE FROM 17500 TO 21000
UPDATED HOLDING PATTERN 1 MINIMUM PATTERN SIZE FROM 14 TO 15
UPDATED HOLDING PATTERN 1 MAXIMUM TEMPLATE SIZE FROM 17 TO 19
TUS VORTAC CLASS CHANGED FROM H TO VH

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A432 NAME: JON NEIDIGH

APPROVED BY: DATE: 11/30/2023 OFFICE: AJV-A432 NAME: CASIMIR TABAKA

SIGNATURE: Digitally signed by
CASIMIR L TABAKA
Aug 29, 2023



RADIO FIX AND HOLDING DATA RECORD

NAME: VOTTO

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321032.01N/1103711.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:
USE TYPE
STAR

USE TITLE
ZONNA (RNAV)

FAC

PAT

AIRPORT IDENT
KTUS

CITY
TUCSON

STATE
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 11/30/2023

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA
Jul 20, 2023

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZONNA

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321244.22N/1094220.57W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
STAR

USE TITLE
ZONNA (RNAV)

FAC

PAT

AIRPORT IDENT
KTUS

CITY
TUCSON

STATE
AZ (US)

REQUIRED CHARTING: STAR, MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

MOVED FIX 7.28 NM EAST - NAME RETAINED PER ATC OPERATIONAL REQUEST
REMOVED FIX MAKE-UP

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JON NEIDIGH

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

Digitally signed by
CASIMIR L TABAKA

Jul 20, 2023

QUALITY
14
CHECKED