

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 331643.83N/1115700.41W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
STAR	KOOLY (RNAV)			KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/13/2011

REASON FOR REVISION:  
FIX MOVED 3.80 NM S, COORDINATES UPDATED.  
FAC 1 DELETED.  
FIX USE UPDATED.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE:	OFFICE:	NAME:
APPROVED BY:	DATE:	OFFICE: AJV-5430	NAME: PATRICK MULQUEEN

*Digitally signed by*  
SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION: NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRNDA

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332034.18N/1120440.18W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
KOOLY (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/13/2011

REASON FOR REVISION:

FAC 1 DELETED.  
FIX USE UPDATED.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: CABOS

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 330501.50N/1113354.84W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
KOOLY (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/13/2011

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: FINAP

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332411.78N/1114446.69W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PINNG (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER: PHX ATCT

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: GIPSE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332542.93N/1114846.62W

TYPE: WP, RADAR, 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	PHOENIX	I-RJG	LOC		078.03	090.03	9.29	10.94		4000	5600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-RJG DME ANT LOCATED AT 332543.83N/1115952.33W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 25L	1		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 25L			KPHX	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 25L			KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)			KPHX	PHOENIX	AZ (US)
STAR	PINNG (RNAV)			KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/03/2019

## REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER: PHX ATCT

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: HOTTT

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 323137.00N/1110155.07W

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	TUCSON	TUS	VORTAC	H	335.06	347.06	26.53	26.53		9000	17500

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)
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
STAR	SUNSS	1		KCHD	CHANDLER	AZ (US)
STAR	SUNSS	1		KP19	CHANDLER	AZ (US)
STAR	SUNSS	1		KGEU	GLENDALE	AZ (US)
STAR	SUNSS	1		KGYR	GOODYEAR	AZ (US)
STAR	SUNSS	1		KFFZ	MESA	AZ (US)
STAR	SUNNS	1		KDVT	PHOENIX	AZ (US)
STAR	SUNSS	1		KIWA	PHOENIX	AZ (US)
STAR	PINNG (RNAV)			KPHX	PHOENIX	AZ (US)
STAR	SUNSS	1		KPHX	PHOENIX	AZ (US)
STAR	SUNSS	1		KSDL	SCOTTSDALE	AZ (US)

REQUIRED CHARTING: DP, STAR, MILITARY DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 01/03/2019

**REASON FOR REVISION:**

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER:

QUALITY  
14  
CHECKED

<b>NAME:</b> ITEM	<b>STATE:</b> AZ	<b>COUNTRY:</b> US	<b>ICAO REGION CODE:</b> K2
<b>LATITUDE/LONGITUDE:</b> 323511.33N/1103523.17W	<b>TYPE:</b> DME		

FIX MAKE-UP FACILITIES:											
FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	STANFIELD	TFD	VORTAC	H	092.68	104.68	69.12	69.12		10000	45000
2	SAN SIMON	SSO	VORTAC	H	273.10	286.10	70.00	70.00		18000	45000

HOLDING: HOLDING TYPE OF ACTION: MODIFY

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	E	TFD	VORTAC	092.68	272.68	L		10	18000	24000	18	21

**HOLDING RESTRICTIONS:**  
HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**  
STANFIELD (FAC 1) AND SAN SIMON (FAC 2) USED TO ESTABLISH FIX COORDINATES  
HOLDING LEG LENGTHS REQUESTED BY ATC.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:	USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J50		1, 2				(US)
EN ROUTE	V94		1				(US)
STAR	SUNSS		1, 2	1	KCHD	CHANDLER	AZ (US)
STAR	SUNNS		1, 2	1	KP19	CHANDLER	AZ (US)
STAR	SUNSS		1, 2	1	KGEU	GLENDALE	AZ (US)
STAR	SUNSS		1, 2	1	KGYR	GOODYEAR	AZ (US)
STAR	SUNSS		1, 2	1	KFFZ	MESA	AZ (US)
STAR	SUNSS		1, 2	1	KDVT	PHOENIX	AZ (US)
STAR	SUNSS		1, 2	1	KIWA	PHOENIX	AZ (US)
STAR	SUNSS		1, 2	1	KPHX	PHOENIX	AZ (US)
STAR	SUNSS		1, 2	1	KSDL	SCOTTSDALE	AZ (US)

**REQUIRED CHARTING:** STAR, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT: NO**

RECORD REVISION NUMBER: 8 DATE OF REVISION: 01/03/2019

**REASON FOR REVISION:**  
1. UPDATED FIX USE, REMOVED KPHX KOOLY STAR.  
2. REMOVED WP HOLDING PATTERN.  
3. ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.  
4. ADDED CONTROLLER LOW/HIGH TO REQUIRED CHARTING.  
5. REMOVED COP REMARK.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b> ZAB	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-5432	<b>NAME:</b> ERIC GREEN
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5430	<b>NAME:</b> PATRICK MULQUEEN
	<i>Digitally signed by</i>		
	<b>SIGNATURE:</b> <b>ALLAN WILL</b>		
	Sep 24, 2018		

**DISTRIBUTION:** NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY:  
OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: JAGAL

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332625.74N/1114846.39W

TYPE: WP, RADAR, 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	PHOENIX	I-CWJ	LOC/DME		078.08	090.08	11.06	11.06		4000	5600

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

I-CWJ DME COORDINATES: 332624.18N/1120159.25W

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 26	1		KPHX	PHOENIX	AZ (US)
IAP	RNAV (GPS) Y RWY 26			KPHX	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 26			KPHX	PHOENIX	AZ (US)
STAR	EAGUL (RNAV)			KPHX	PHOENIX	AZ (US)
STAR	PINNG (RNAV)			KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 01/03/2019

## REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

*Digitally signed by*

**ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER: PHX ATCT

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: KOOLY

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 325225.78N/1110744.17W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: CANCEL

## 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	E		WP	109.68	289.68	L	8	15000 24000	16 20

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	324700.00N/1105741.90W	5787	6A

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

HOLDING LEG LENGTH AS REQUESTED BY ATC.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	KOOLY (RNAV)		1	KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/13/2011

## REASON FOR REVISION:

DELETED FAC 1.  
CHANGED PAT 1 MHA FROM 10000 TO 15000 TO MATCH PROCEDURAL ALTITUDE AT FIX.  
CHANGED PAT 1 MIN TEMPLATE SIZE FROM 12 TO 16 DUE TO NEW MHA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 08/26/2010

OFFICE: AVN-130

NAME:

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: MATRE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331137.68N/1114656.21W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
KOOLY (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/13/2011

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

*Digitally signed by*

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: NEELE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332030.65N/1122123.04W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PINNG (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER: PHX ATCT

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: PUKRE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 331341.06N/1113838.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
PINNG (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 01/03/2019

REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: *Digitally signed by*  
**ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER: PHX ATCT

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: RECOK

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 324608.29N/1105538.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
STAR

USE TITLE  
KOOLY (RNAV)

FAC

PAT

AIRPORT IDENT  
KPHX

CITY  
PHOENIX

STATE  
AZ (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/13/2011

REASON FOR REVISION:

DELETED FAC 1.  
UPDATED FIX USE FORMAT.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZAB

ATC FACILITY: PHX APP CON

OTHER:

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** SAN SIMON VORTAC      **STATE:** AZ      **COUNTRY:** US      **ICAO REGION CODE:** K2  
**LATITUDE/LONGITUDE:** 321609.28N/1091547.12W      **TYPE:**

**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	SAN SIMON	SSO	VORTAC	H						45000

**HOLDING:**      **HOLDING TYPE OF ACTION:** NO CHANGE

**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	E		WP	094.10	274.10	R		7	10000	14000	10	11

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	322236.00N/1090309.00W	6785	4E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	SAN SIMON (RNAV) (OBSTACLE)			KCFT	CLIFTON/MORENCI	AZ (US)
DP	SAFFORD (RNAV) (OBSTACLE)			KSAD	SAFFORD	AZ (US)
DP	TUSCON			KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
DP	TAKE OFF			KP33	WILLCOX	AZ (US)
DP	ATKNN (RNAV)			KELP	EL PASO	TX (US)
EN ROUTE	J104					(US)
EN ROUTE	J166					(US)
EN ROUTE	J4					(US)
EN ROUTE	J50					(US)
EN ROUTE	T310					(US)
EN ROUTE	V16					(US)
EN ROUTE	V198					(US)
EN ROUTE	V202					(US)
EN ROUTE	V94					(US)
IAP	RNAV (GPS) A			KCFT	CLIFTON/MORENCI	AZ (US)
IAP	ILS OR LOC RWY 26			KFHU	FORT HUACHUCA SIERRA VISTA	AZ (US)
IAP	VOR RWY 26			KFHU	FORT HUACHUCA SIERRA VISTA	AZ (US)
IAP	RNAV (GPS) RWY 12		1	KSAD	SAFFORD	AZ (US)
IAP	RNAV (GPS) RWY 30			KSAD	SAFFORD	AZ (US)
IAP	RNAV (GPS) RWY 21			KP33	WILLCOX	AZ (US)
STAR	SUNSS			KCHD	CHANDLER	AZ (US)
STAR	SUNSS			KP19	CHANDLER	AZ (US)
STAR	SUNSS			KGEU	GLENDALE	AZ (US)
STAR	SUNSS			KGYR	GOODYEAR	AZ (US)
STAR	SUNSS			KFFZ	MESA	AZ (US)
STAR	SUNSS			KDVT	PHOENIX	AZ (US)
STAR	SUNSS			KIWA	PHOENIX	AZ (US)
STAR	SUNSS			KPHX	PHOENIX	AZ (US)
STAR	SUNSS			KSDL	SCOTTSDALE	AZ (US)
STAR	ZONNA (RNAV)			KTUS	TUCSON	AZ (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, IAP, EN ROUTE LOW, EN ROUTE HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2

**DATE OF REVISION:** 01/03/2019

**REASON FOR REVISION:**

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5432

**NAME:** ERIC GREEN

QUALITY  
14  
CHECKED

APPROVED BY:

DATE:

*Digitally signed by*

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZAB

ATC FACILITY: ELP APP CON

OTHER: NGB/A306 (ANG)

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 325955.44N/1112358.32W 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	PHOENIX	PXR	VORTAC	H	120.00	132.00	38.75	38.75	9000	17500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

## 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	SE	PXR	VORTAC	120.00	300.00	L	7	9000 15000	13 17

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	AAO	325054.00N/1110645.00W	3885	4E

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRIOR COORDINATION WITH CONTROLLING AGENCY FOR HOLDING OVER R-2310B.  
265 KT HOLDING PATTERN USED DUE TO 250KT SPEED RESTRICTION ON PROCEDURE.  
HOLDING LEG LENGTH REQUESTED BY ATC.  
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	SUNSS	1	1	KCHD	CHANDLER	AZ (US)
STAR	SUNSS	1	1	KP19	CHANDLER	AZ (US)
STAR	SUNSS	1	1	KGEU	GLENDALE	AZ (US)
STAR	SUNSS	1	1	KGYR	GOODYEAR	AZ (US)
STAR	SUNSS	1	1	KFFZ	MESA	AZ (US)
STAR	SUNSS	1	1	KDVT	PHOENIX	AZ (US)
STAR	SUNSS	1	1	KIWA	PHOENIX	AZ (US)
STAR	SUNSS	1	1	KPHX	PHOENIX	AZ (US)
STAR	SUNSS	1	1	KSDL	SCOTTSDALE	AZ (US)
IAP	RNAV VISUAL RWY 30L			KIWA	PHOENIX	AZ (US)

REQUIRED CHARTING: STAR, SPECIAL IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 DATE OF REVISION: 01/03/2019

UPDATED FIX USE, REMOVED KPHX KOOLY STAR; ADDED KIWA RNAV VISUAL 30L  
REMOVED WP HOLDING PATTERN 1 USED ON KOOLY STAR  
ADDED SPECIAL IAP TO REQUIRED CHARTING

11/23/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/24/18.

1. ADDED KIWA RNAV VISUAL TO FIX USE
2. ADDED SPECIAL IAP TO REQUIRED CHARTING

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5432 NAME: ERIC GREEN

APPROVED BY: DATE: OFFICE: AJV-5430 NAME: PATRICK MULQUEEN

*Digitally signed by*

SIGNATURE: ALLAN WILL

Sep 24, 2018

DISTRIBUTION: NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER:

QUALITY  
14  
CHECKED



# RADIO FIX AND HOLDING DATA RECORD

NAME: TUCSON VORTAC      STATE: AZ      COUNTRY: US      ICAO REGION CODE: K2  
 LATITUDE/LONGITUDE: 320542.73N/1105453.48W      TYPE:

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 FEET	MAA
1	TUCSON	TUS	VORTAC	H						45000

## FIX RESTRICTIONS:

MCA V395 9000 SOUTHBOUND  
 MCA V393 9000 SOUTHBOUND

## HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## 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	NW	TUS	VORTAC	308.00	128.00	R	1		6500	45000	8	29

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	321640.80N/1110845.50W	4887	6A
1	310	AAO	341640.80N/1110845.50W	4887	6A

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKE-OFF MINIMUMS	KTUS	TUCSON	AZ (US)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
 FACILITY MAGVAR: 12 DEGREES EAST (1995).

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BNYRD (RNAV)			KCHD	CHANDLER	AZ (US)
DP	BNYRD (RNAV)			KGEU	GLENDALE	AZ (US)
DP	BNYRD (RNAV)			KGYR	GOODYEAR	AZ (US)
DP	TAKE-OFF MINIMUMS			KAVQ	MARANA	AZ (US)
DP	NOGALES			KOLS	NOGALES	AZ (US)
DP	TAKE-OFF MINIMUMS			KOLS	NOGALES	AZ (US)
DP	BNYRD (RNAV)			KDVT	PHOENIX	AZ (US)
DP	BNYRD (RNAV)			KIWA	PHOENIX	AZ (US)
DP	STANFIELD			KPHX	PHOENIX	AZ (US)
DP	STRRM (RNAV)			KPHX	PHOENIX	AZ (US)
DP	BNYRD (RNAV)			KSDL	SCOTTSDALE	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	DAVIS MONTHAN			KDMA	TUCSON	AZ (US)
DP	TAKE-OFF MINIMUMS		1	KTUS	TUCSON	AZ (US)
DP	TUCSON			KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
EN ROUTE	J104					(US)
EN ROUTE	J11					(US)
EN ROUTE	J2					(US)
EN ROUTE	J92					(US)
EN ROUTE	T306					(US)
EN ROUTE	T310					(US)
EN ROUTE	V105					(US)
EN ROUTE	V16					(US)
EN ROUTE	V393					(US)
EN ROUTE	V395					(US)
EN ROUTE	V66					(US)
IAP	RNAV (GPS) RWY 8			KFHU	FORT HUACHUCA/SIERRA VIST	AZ (US)
IAP	VOR/DME OR GPS-B			KOLS	NOGALES	AZ (US)
IAP	ILS OR LOC RWY 30C			KIWA	PHOENIX	AZ (US)
IAP	VOR OR TACAN RWY 30C			KIWA	PHOENIX	AZ (US)
IAP	NDB RWY 12			KAVQ	TUCSON	AZ (US)
IAP	RNAV (GPS)-E			KAVQ	TUCSON	AZ (US)
IAP	ILS OR LOC RWY 6R			KRYN	TUCSON	AZ (US)
IAP	NDB/DME OR GPS RWY 6R			KRYN	TUCSON	AZ (US)
IAP	ILS OR LOC RWY 11L			KTUS	TUCSON	AZ (US)
IAP	LOC BC RWY 29R			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) Z RWY 11L			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) RWY 11R			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) RWY 21			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) Z RWY 29R			KTUS	TUCSON	AZ (US)

QUALITY  
14  
CHECKED

IAP	VOR OR TACAN RWY 11L	KTUS	TUCSON	AZ (US)
IAP	VOR/DME OR TACAN RWY 29R	KTUS	TUCSON	AZ (US)
STAR	SUNSS	KCHD	CHANDLER	AZ (US)
STAR	SUNSS	KP19	CHANDLER	AZ (US)
STAR	SUNSS	KGEU	GLENDALE	AZ (US)
STAR	SUNSS	KGYR	GOODYEAR	AZ (US)
STAR	SUNSS	KFFZ	MESA	AZ (US)
STAR	SUNSS	KDVT	PHOENIX	AZ (US)
STAR	SUNSS	KIWA	PHOENIX	AZ (US)
STAR	SUNSS	KPHX	PHOENIX	AZ (US)
STAR	SUNSS	KSDL	SCOTTSDALE	AZ (US)
STAR	DINGO	KTUS	TUCSON	AZ (US)
STAR	ZONNA (RNAV)	KTUS	TUCSON	AZ (US)

**REQUIRED CHARTING:** DP, STAR, MILITARY IAP, MILITARY DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 14

**DATE OF REVISION:** 01/03/2019

**REASON FOR REVISION:**

1. UPDATED FIX USE: REMOVED KPHX KOOLY STAR.
2. UPDATED REQUIRED CHARTING, ADDED CONTROLLER LOW/HIGH

**INITIATED BY:**                      **DATE:**                      **ORGANIZATION:**                      **NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-5432                      **NAME:** ERIC GREEN

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-5430                      **NAME:** PATRICK MULQUEEN

*Digitally signed by*

**SIGNATURE:** **ALLAN WILL**

Sep 24, 2018

**DISTRIBUTION:**    **NFDC**  
**FPO:** WST  
**ARTCC:** ZAB  
**ATC FACILITY:** PHX ATCT  
**OTHER:**

QUALITY  
14  
CHECKED

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZAMEX

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 332550.78N/1114846.51W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

### USE TYPE

IAP RNAV (GPS) Y RWY 25R  
IAP RNAV (RNP) Z RWY 25R  
STAR EAGUL (RNAV)  
STAR PINNG (RNAV)

### FAC

### PAT

### AIRPORT IDENT

KPHX  
KPHX  
KPHX  
KPHX

### CITY

PHOENIX  
PHOENIX  
PHOENIX  
PHOENIX

### STATE

AZ (US)  
AZ (US)  
AZ (US)  
AZ (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 01/03/2019

## REASON FOR REVISION:

UPDATED FIX USE, REMOVED KPHX KOOLY STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5432

NAME: ERIC GREEN

APPROVED BY:

DATE:

*Digitally signed by* OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE: **ALLAN WILL**

Sep 24, 2018

DISTRIBUTION:

NFDC  
FPO: WST  
ARTCC: ZAB  
ATC FACILITY: PHX APP CON  
OTHER: PHX ATCT

QUALITY  
14  
CHECKED