U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO	THREE	BURRO3.BURRO	TWO	10 APR 08	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11L: CLIMB HEADING 123.03 TO 3200 MSL, THEN DIRECT BURRO, THENCE...

...VIA (TRANSITION) MAINTAIN 17000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
BBALL	BURRO3. BBALL	BURRO	SPLTZ	TRACK 213.00	7.12	7600	4900	
		SPLTZ	RYYNN	TRACK 288.04	14.40	8000	6200	AT/ABOVE 8000
		RYYNN	BBALL	TRACK 332.46	55.14	8000	6800	
GILA BEND	BURRO3.GBN	BURRO	SPLTZ	TRACK 213.00	7.12	7600	4900	
		SPLTZ	RYYNN	TRACK 288.04	14.40	8000	6200	AT/ABOVE 8000
		RYYNN	ROSKR	TRACK 300.04	18.15	9000	6100	AT/ABOVE 9000
		ROSKR	GBN VORTAC	TRACK 291.64	73.54	9000	6200	
HOTTT	BURRO3.HOTTT	BURRO	SPLTZ	TRACK 213.00	7.12	7600	4900	
		SPLTZ	RYYNN	TRACK 288.04	14.40	8000	6200	AT/ABOVE 8000
		RYYNN	HOTTT	TRACK 005.29	28.10	8000	6900	
NOCHI	BURRO3.NOCHI	BURRO	VEYLE	TRACK 123.85	8.50	7600	6300	
		VEYLE	MESCA	TRACK 090.25	13.18	9500	8100	AT/ABOVE 9500
		MESCA	NOCHI	TRACK 065.14	38.05	10000		

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 3, 11R, 21, 29L, 29R NA - ATC. RWY 11L STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 7600.

NOTE: GPS REQUIRED.
NOTE: RNAV 1.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 11L, VENTS 115 FT FROM DER, 147 FT LEFT AND RIGHT OF CENTERLINE, 6 FT AGL/2646 FT MSL. MULTIPLE BUSHES BEGINNING 449 FT FROM DER, 395 FT LEFT OF CENTERLINE, UP TO 24 FT AGL/2674 FT MSL. MULTIPLE BUSHES BEGINNING 188 FT FROM DER, 328 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/2663 FT MSL.

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO	THREE	BURRO3.BURRO	TWO	10 APR 08	

CONTROLLING OBSTACLES:

RWY 11L: 6389 MSL AAO 315401.00N/1104331.50W

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 11L – 9653 FT MSL AAO 314202.00N/1105034.30W, 9205 FT MSL TOWER 322629.28N/1104647.34W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KTUS 12E EPOCH YEAR: 1995
DME/DME ASSESSMENT NOT CONDUCTED.

AIRPORTS SERVED:

TUCSON INTL	TUCSON, AZ

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TUS ATCT, TUS DEP CON, ASOS, ZAB,

FIXES AND/OR NAVAIDS:

REMARKS:

RETAINED CLIMB-TO ALT OF 7600 TO ALLOW FOR CROSSING RESTRICTIONS AT MESCA AND MEA AT SPLTZ.
500 FT/NM CG TO 7600 SATISFIES THE TARGETS REQUIREMENT OF 248 FT/NM CG TO MESCA.

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO	THREE	BURRO3.BURRO	TWO	10 APR 08	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
JON DENTON AJV-353 2/22/2012

APPROVED BY:
DEZ SILAGYI AJV-354

COORDINATED WITH:
ZAB, TUS ATCT, ATA, ALPA, NBAA, AOPA, AMGR

CHANGES:

1. REMOVED COCHISE VORTAC (CIE) FROM PROCEDURE.
2. ADDED HOTTT TRANSITION.
3. ADDED MEA/MOCA FROM BURRO TO SPLTZ.
4. ADDED MEA FROM VEYLE AND MESCA.
5. ADDED MOCA FOR ENROUTE SEGMENT FROM VEYLE TO NOCHI.
6. CHANGED CG FROM 315 TO 500 FT PER NM.

REASONS:

1. VORTAC BEING DECOMMISSIONED, REPLACED WITH FIX NOCHI.
2. ATC REQUEST.
3, 4, 5. NONE PREVIOUSLY DEPICTED.
6. ATC REQUESTED.

05/30/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/22/2012.
1. REMOVED NOTE: RADAR REQUIRED. PER ATC REQUEST.

06/06/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/31/2012.
1. 8260-15C: DP COMPUTER CODE CHANGED FROM "BURRO.BURRO3" TO "BURRO3.BURRO".
2. 8260-15C: REMARKS COLUMN, CHANGED ALL ENTRIES OF BURRO2 TO BURRO3.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO	THREE	BURRO3.BURRO	TWO	10 APR 08	

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW11L (AER)	320724.13N/1105652.48W	N	-	-	-	-			
3200 MSL		-	-	VA	135.03	-			CG 500 FT PER NM TO 7600
BURRO	320234.37N/1105112.75W	Y	FB	DF	-	-			
BURRO	320234.37N/1105112.75W	Y	-	IF	-	-			BURRO3.BBALL
SPLTZ	315731.63N/1105707.71W	Y	FB	TF	225.00	7.12			
RYYNN	320444.15N/1111147.91W	Y	FB	TF	300.04	14.40	AT/ABOVE 8000		
BBALL	325756.84N/1112921.62W	Y	FB	TF	344.46	55.14			
BURRO	320234.37N/1105112.75W	Y	-	IF	-	-			BURRO3.GBN
SPLTZ	315731.63N/1105707.71W	Y	FB	TF	225.00	7.12			
RYYNN	320444.15N/1111147.91W	Y	FB	TF	300.04	14.40	AT/ABOVE 8000		
ROSKR	321654.12N/1112742.10W	Y	FB	TF	312.04	18.15	AT/ABOVE 9000		
GBN VORTAC	325722.53N/1124027.38W	Y	FB	TF	303.64	73.54			
BURRO	320234.37N/1105112.75W	Y	-	IF	-	-			BURRO3.HOTTT
SPLTZ	315731.63N/1105707.71W	Y	FB	TF	225.00	7.12			
RYYNN	320444.15N/1111147.91W	Y	FB	TF	300.04	14.40	AT/ABOVE 8000		
HOTTT	323137.00N/1110155.07W	Y	FB	TF	017.29	28.10			
BURRO	320234.37N/1105112.75W	Y	-	IF	-	-			BURRO3.NOCHI
VEYLE	315627.48N/1104415.31W	Y	FB	TF	135.85	8.50			
MESCA	315338.46N/1102907.90W	Y	FB	TF	102.25	13.18	AT/ABOVE 9500		
NOCHI	320200.20N/1094529.53W	Y	FB	TF	077.14	38.05			

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO	THREE	BURRO3.BURRO	TWO	10 APR 08	

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11L: CLIMB HEADING 123.03 TO 3200 MSL, THEN DIRECT BURRO, THENCE...

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		RYYNN	BBALL	TRACK 332.46	55.14	8000	6800	
GILA BEND	BURRO3.GBN	BURRO	SPLTZ	TRACK 213.00	7.12	7600	4900	
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HOTTT	BURRO3.HOTTT	BURRO	SPLTZ	TRACK 213.00	7.12	7600	4900	
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PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

TAKEOFF MINIMUMS: RWY 3, 11R, 21, 29L, 29R NA - ATC. RWY 11L STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 7600.

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NOTE: RNAV 1.

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QUALITY CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

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LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KTUS 12E EPOCH YEAR: 1995
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AIRPORTS SERVED:

TUCSON INTL — TUCSON, AZ

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TUS ATCT, TUS DEP CON, ASOS, ZAB,

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QUALITY CHECKED 1

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

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FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:
ROUTINE

DEVELOPED BY:
JON DENTON AJV-353 2/22/2012

APPROVED BY:
DEZ SILAGYI AJV-354

COORDINATED WITH:
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO (RNAV)	THREE	BURRO.BURRO3	TWO	10 APR 08	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        GBN   K2011660VTH  N32572253W112402738    N32572253W112402738E0140007902     NARGILA BEND

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BBALL K20    C     N32575684W111292162                      E0106     NAR           BBALL
        SUSAEAENRT   BURRO K20    W     N32023437W110511275                      E0103     NAR           BURRO
        SUSAEAENRT   HOTTT K20    C     N32313700W111015507                      E0104     NAR           HOTTT
        SUSAEAENRT   MESCA K20    C   L N31533846W110290790                      E0102     NAR           MESCA
        SUSAEAENRT   NOCHI K20    W   L N32020020W109452953                      E0099     NAR           NOCHI
        SUSAEAENRT   ROSKR K20    C     N32165412W111274210                      E0105     NAR           ROSKR
        SUSAEAENRT   RYYNN K20    W     N32044415W111114791                      E0104     NAR           RYYNN
        SUSAEAENRT   SPLTZ K20    W     N31573163W110570771                      E0103     NAR           SPLTZ
        SUSAEAENRT   VEYLE K20    W     N31562748W110441531                      E0102     NAR           VEYLE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTUSK2ATUS     0     109YHN32065790W110562770E012002643         1800018000C    MNAR    TUCSON INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KTUSK2DBURRO34RW11L 010         0        VA                        1230        + 03200     18000
        SUSAP KTUSK2DBURRO34RW11L 020BURROK2EA0EE   010DF
        SUSAP KTUSK2DBURRO36BBALL 010BURROK2EA0E       IF                                                  18000
        SUSAP KTUSK2DBURRO36BBALL 020SPLTZK2EA0E    010TF                        21300071
        SUSAP KTUSK2DBURRO36BBALL 030RYYNNK2EA0E    010TF                        28800144    + 08000
        SUSAP KTUSK2DBURRO36BBALL 040BBALLK2EA0EE   010TF                        33250551
        SUSAP KTUSK2DBURRO36GBN   010BURROK2EA0E       IF                                                  18000
        SUSAP KTUSK2DBURRO36GBN   020SPLTZK2EA0E    010TF                        21300071
        SUSAP KTUSK2DBURRO36GBN   030RYYNNK2EA0E    010TF                        28800144    + 08000
        SUSAP KTUSK2DBURRO36GBN   040ROSKRK2EA0E    010TF                        30000182    + 09000
        SUSAP KTUSK2DBURRO36GBN   050GBN  K2D 0VE   010TF                        29160735
        SUSAP KTUSK2DBURRO36HOTTT 010BURROK2EA0E       IF                                                  18000
        SUSAP KTUSK2DBURRO36HOTTT 020SPLTZK2EA0E    010TF                        21300071
        SUSAP KTUSK2DBURRO36HOTTT 030RYYNNK2EA0E    010TF                        28800144    + 08000
        SUSAP KTUSK2DBURRO36HOTTT 040HOTTTK2EA0EE   010TF                        00530281
        SUSAP KTUSK2DBURRO36NOCHI 010BURROK2EA0E       IF                                                  18000
        SUSAP KTUSK2DBURRO36NOCHI 020VEYLEK2EA0E    010TF                        12390085
        SUSAP KTUSK2DBURRO36NOCHI 030MESCAK2EA0E    010TF                        09030132    + 09500
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO (RNAV)	THREE	BURRO.BURRO3	TWO	10 APR 08	

```
         SUSAP KTUSK2DBURRO36NOCHI 040NOCHIK2EA0EE   010TF                    06510381
                   1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY   123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
         ------------------------------------------------------------------------------------------------------------------------------------
         SUSAP KTUSK2GRW11L   0109961230 N32072413W110565248+0600    +0756402578000055150IITUS1
```

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BURRO (RNAV)	THREE	BURRO.BURRO3	TWO	10 APR 08	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	RW11L		010		VA		FB		123.0()		AA 03200	
	RW11L	BURRO	020		DF		FB	1.0				
	BBALL	BURRO	010		IF		FB					
	BBALL	SPLTZ	020		TF		FB	1.0	213.0()	007.1		
	BBALL	RYYNN	030		TF		FB	1.0	288.0()	014.4	AA 08000	
	BBALL	BBALL	040		TF		FB	1.0	332.5()	055.1		
	GBN	BURRO	010		IF		FB					
	GBN	SPLTZ	020		TF		FB	1.0	213.0()	007.1		
	GBN	RYYNN	030		TF		FB	1.0	288.0()	014.4	AA 08000	
	GBN	ROSKR	040		TF		FB	1.0	300.0()	018.2	AA 09000	
	GBN	GBN	050		TF		FB	1.0	291.6()	073.5		
	HOTTT	BURRO	010		IF		FB					
	HOTTT	SPLTZ	020		TF		FB	1.0	213.0()	007.1		
	HOTTT	RYYNN	030		TF		FB	1.0	288.0()	014.4	AA 08000	
	HOTTT	HOTTT	040		TF		FB	1.0	005.3()	028.1		
	NOCHI	BURRO	010		IF		FB					
	NOCHI	VEYLE	020		TF		FB	1.0	123.9()	008.5		
	NOCHI	MESCA	030		TF		FB	1.0	090.3()	013.2	AA 09500	
	NOCHI	NOCHI	040		TF		FB	1.0	065.1()	038.1		

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
GBN	N325722.53	W1124027.38	N3257.376	W11240.456
BBALL	N325756.84	W1112921.62	N3257.947	W11129.360
BURRO	N320234.37	W1105112.75	N3202.573	W11051.213
HOTTT	N323137.00	W1110155.07	N3231.617	W11101.918
MESCA	N315338.46	W1102907.90	N3153.641	W11029.132
NOCHI	N320200.20	W1094529.53	N3202.003	W10945.492
ROSKR	N321654.12	W1112742.10	N3216.902	W11127.702
RYYNN	N320444.15	W1111147.91	N3204.736	W11111.799
SPLTZ	N315731.63	W1105707.71	N3157.527	W11057.129
VEYLE	N315627.48	W1104415.31	N3156.458	W11044.255
RW11L	N320724.13	W1105652.48	N3207.402	W11056.875

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW11L	02578	55

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BURRO **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 320234.37N/1105112.75W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1 DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/22/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: FHU/TUS APP CON
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HOTTT **STATE:** AZ **COUNTRY:** US

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 FAC NM	DIST FROM 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	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
STAR	KOOLY (RNAV)			KPHX	PHOENIX	AZ (US)
STAR	SUNSS	1		KPHX	PHOENIX	AZ (US)

REQUIRED CHARTING: DP, STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
ADDED DP TO REQUIRED CHARTING

DEVELOPED BY: **DATE:** 03/30/2012 **OFFICE:** AJV-351 **NAME:** STEVEN SZUKALA

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED 1

RADIO FIX AND HOLDING DATA RECORD

NAME: NOCHI **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 320200.20N/1094529.53W **TYPE:** WP

AIRSPACE DOCKET: 11-AWP-22 **FIX TYPE OF ACTION:** ESTABLISH

HOLDING: **HOLDING TYPE OF ACTION:** ESTABLISH

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E		WP	085.00	265.00	R		4	8800	11000	5	6
2	E		WP	085.00	265.00	R		7	11000	17500	10	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	175	AAO	315809.00N/1094442.00W	5233	4E
2	230	AAO	321145.00N/1093318.00W	7602	4E

HOLDING RESTRICTIONS:
PAT 1 CHART 175K ICON
HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 3	KP33	WILLCOX	AZ (US)
1	RNAV (GPS) RWY 21	KP33	WILLCOX	AZ (US)

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	ATKNN (RNAV)			KELP	EL PASO	TX (US)
EN ROUTE	T306					(US)
EN ROUTE	T310					(US)
IAP	RNAV (GPS) RWY 17		2	KDUG	DOUGLAS BISBEE	AZ (US)
IAP	RNAV (GPS) RWY 21		1	KP33	WILLCOX	AZ (US)
IAP	RNAV (GPS) RWY 3		1	KP33	WILLCOX	AZ (US)
STAR	HSKNS (RNAV)			KELP	EL PASO	TX (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIX CREATED TO REPLACE COCHISE VORTAC LOCATION.
COCHISE VORTAC DECOMMISSIONED.

DEVELOPED BY: **DATE:** 02/02/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ROSKR **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 321654.12N/1112742.10W **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	DIST FROM FAC FEET	MRA	MAA
1	TUCSON	TUS	VORTAC	H	280.00	292.00	30.00	30.00		9000	45000
2	GILA BEND	GBN	VORTAC	H	108.99	122.99	73.54	73.54		9000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
GBN	VORTAC	R-109	74	9000	15300

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

REMARKS:
GILA BEND (FAC 2) AND TUCSON (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	TUCSON	1, 2		KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP, AREA

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 3 DATA.
ADDED DIST FROM FAC FOR FAC 1 AND 2.
ADDED ESV.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/10/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZAB
ATC FACILITY: TUS APP CON, TUS ATCT
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RYYNN **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 320444.15N/1111147.91W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1 DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/22/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPLTZ **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 315731.63N/1105707.71W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1 DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/22/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: VEYLE **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 315627.48N/1104415.31W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 1 DATA.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 02/22/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: FHU/TUS APP CON
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: BBALL **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 325756.84N/1112921.62W **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	DIST FROM FAC FEET	MRA	MAA
1	PHOENIX	PXR	VORTAC	H	127.00	139.00	37.00	37.00		9000	17500
2	TUCSON	TUS	VORTAC	H	318.95	330.95	59.72	59.72		9000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
TUS	VORTAC	R-319	60	9000	14000

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	PXR	VORTAC	127.00	307.00	R		8	9000	17500	11	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	324312.00N/1112403.00W	4781	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED
PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER R-2310
HOLDING PATTERN 1 PER ATC REQUEST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	TUCSON	1, 2		KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
IAP	RNAV (GPS) RWY 30L			KIWA	PHOENIX	AZ (US)
IAP	RNAV (RNP) Z RWY 3			KSDL	SCOTTSDALE	AZ (US)

REQUIRED CHARTING: DP, STAR, IAP, AREA

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FIX USE
UPDATED FAC 1 AND 2 DIST INFORMATION
REMOVED FAC 3
ADDED NOTE "PRECIPITOUS TERRAIN EVALUATION COMPLETED" TO REMARKS
MOVED NOTE "HOLDING LIMITED TO ESTABLISHED PATTERN" TO RESTRICTIONS

DEVELOPED BY: **DATE:** 03/30/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (BRYAN BLUE)

APPROVED BY: **DATE:** 10/17/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: GILA BEND VORTAC **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 325722.53N/1124027.38W **TYPE:**

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	DIST FROM FAC FEET	MRA	MAA
1	GILA BEND	GBN	VORTAC	H							45000

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	MOBIE			KPHX	PHOENIX	AZ (US)
DP	SCOTTSDALE			KSDL	SCOTTSDALE	AZ (US)
DP	BURRO (RNAV)			KTUS	TUCSON	AZ (US)
DP	TUCSON			KTUS	TUCSON	AZ (US)
DP	WLDKT (RNAV)			KTUS	TUCSON	AZ (US)
EN ROUTE	J104					(US)
EN ROUTE	J18					(US)
EN ROUTE	J2					(US)
EN ROUTE	J50					(US)
EN ROUTE	V461					(US)
EN ROUTE	V66					(US)
EN ROUTE	V94					(US)
EN ROUTE	V95					(US)
STAR	ARLIN			KPHX	PHOENIX	AZ (US)
STAR	BLYTHE			KPHX	PHOENIX	AZ (US)
STAR	DINGO			KTUS	TUCSON	AZ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
1. UPDATE FIX USE
2. REMOVED FAC 2 AND 3, NOT REQUIRED.

DEVELOPED BY: **DATE:** 01/19/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY 5 CHECKED
INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MESCA **STATE:** AZ **COUNTRY:** US

LATITUDE/LONGITUDE: 315338.46N/1102907.90W **TYPE:** WP, INT, 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	DIST FROM FAC FEET	MRA	MAA
1	TUCSON	TUS	VORTAC	H	106.69	118.69	25.00	25.00		9500	17500
2	FORT HUACHUCA	ARH	TACAN	T	325.94	337.94	19.93	19.93		10000	12000

REMARKS:
FORT HUACHUCA (FAC 2) AND TUCSON (FAC 1) USED TO ESTABLISH FIX COORDINATES

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	TUCSON	1		KTUS	TUCSON	AZ (US)
EN ROUTE	T310					(US)
IAP	TACAN RWY 8	1		KFHU	FORT HUACHUCA/SIERRA VISTA	AZ (US)
IAP	RNAV (GPS) RWY 29L			KTUS	TUCSON	AZ (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
DELETED FAC 2 (CIE).
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 01/20/2012 **OFFICE:** AJV-311 **NAME:** MARY LYNNE HOEGSTROM

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZAB
ATC FACILITY: FHU
OTHER: TUS ATCT

QUALITY 5 CHECKED

INFO ONLY