

RADIO FIX AND HOLDING DATA RECORD

NAME: CALLS

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321307.35N/1110336.01W

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 | I-TUS | LOC/DME | | 303.04 | 315.04 | 10.22 | 10.20 | | 5000 | 7100 |
| 2 | TUCSON | TUS | VORTAC | VH | 303.05 | 315.05 | 10.46 | 10.46 | | 5000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

I-TUS DME ANTENNA COORDINATES: 320554.97N/1105503.23W

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|--------|---------|
| 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 | 2 | | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

1. REMOVED INT FROM FIX TYPE.
2. REMOVED RYN (RYAN) FROM FIX MAKEUP FACILITIES.
3. CHANGED RWY DESIGNATION FROM 11L TO 12 FOR ASSOCIATED IAPS IN FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: CURGA

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 320254.76N/1105136.66W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP
IAP

USE TITLE
RNAV (GPS) Z RWY 12
RNAV (RNP) Y RWY 12

FAC

PAT

AIRPORT IDENT
KTUS
KTUS

CITY
TUCSON
TUCSON

STATE
AZ (US)
AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

FIX USE: CHANGED PROCEDURE NAME FROM RNAV (GPS) Z RWY 11L AND RNAV (RNP) Y RWY 11L TO RWY 12
DELETED FIX MAKEUP.
CHARTING: DELETED MILITARY IAP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH ZEDER

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: DINGO

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 322944.34N/1113239.72W

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 | TUCSON | TUS | VORTAC | VH | 295.00 | 307.00 | 40.00 | 40.00 | | 6000 | 45000 |

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

ATC REQUESTS CHARTING AS A STAND-ALONE FIX ON KTUS ILS OR LOC RWY 12 AND VOR OR TACAN RWY 12.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|------------|---------|
| DP | SCOTTSDALE | 1 | | KSDL | SCOTTSDALE | AZ (US) |
| IAP | ILS OR LOC RWY 12 | 1 | | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (GPS) Z RWY 12 | | | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (GPS) Z RWY 30 | | | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (RNP) Y RWY 12 | | | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (RNP) Y RWY 30 | | | KTUS | TUCSON | AZ (US) |
| IAP | VOR OR TACAN RWY 12 | 1 | | KTUS | TUCSON | AZ (US) |
| STAR | DINGO | 1 | | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

KTUS IAP RWYS RENUMBERED DUE TO MAGVAR UPDATE
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:

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
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: 2

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

REMOVED OBSOLETE FIX MAKE-UP

UPDATED FORMATTING OF FIX USE

REMOVED RNAV (GPS) Z RWY 12 FROM FIX USE AT KTUS

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: LIPTÉ

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321816.95N/1110941.08W

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 | MRA | MAA |
|-----|--------|-------|---------|-------|---------|----------|-------|------------------|------|-------|
| 1 | TUCSON | I-TUS | LOC/DME | | 306.02 | 315.02 | 17.50 | 17.50 | 6000 | 12000 |
| 2 | TUCSON | TUS | VORTAC | VH | 303.05 | 315.05 | 17.75 | 17.75 | 6000 | 17500 |

EXPANDED SERVICE VOLUME (ESV):

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|-----------|----------|----------------|----------|--------------|--------------|
| I-TUS | LOC/DME | R-306 | 25 | 7100 | 12000 |

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 | NW | TUS | VORTAC | 306.05 | 126.05 | R | 1 | | 7000 | 10000 | 9 | 10 |
| 2 | NW | | WP | 305.92 | 125.92 | R | | 7 | 7000 | 10000 | 9 | 10 |
| 3 | NW | I-TUS | LOC/DME | 306.02 | 126.02 | R | 1 | | 7000 | 10000 | 9 | 10 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1 | 230 | AAO | 321623.73N/1110849.30W | 4880 | 2C |
| 2 | 230 | AAO | 321623.73N/1110849.30W | 4880 | 2C |
| 3 | 230 | AAO | 321623.73N/1110849.30W | 4880 | 2C |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

I-TUS DME ANTENNA COORDINATES: 320554.97N/1105503.23W.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
TUCSON LOCALIZER (FAC 1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|--------|---------|
| IAP | ILS OR LOC RWY 12 | 1 | 3 | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (GPS) Z RWY 12 | | 2 | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (RNP) Y RWY 12 | | | KTUS | TUCSON | AZ (US) |
| IAP | VOR OR TACAN RWY 12 | 2 | 1 | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

1. REMOVED INT FROM FIX TYPE.
2. REMOVED RYN (RYAN) FROM FIX MAKEUP FACILITIES.
3. UPDATED I-TUSCON MAGNETIC BEARING AND ADDED DISTANCE FROM FACILITY TO TUS VORATC IN FIX MAKEUP FACILITIES.
4. CHANGED RWY DESIGNATION FROM 11L TO 12 FOR ASSOCIATED IAPS IN FIX USE.
5. UPDATED RNAV (GPS) Z RWY 12 HOLDING AND ASSOCIATED INFORMATION.
6. ADDED "TUCSON LOCALIZER (FAC 1) USED TO ESTABLISH FIX COORDINATES" IN REMARKS.
7. REMOVED "265K PATTERN EVALUATED FOR F-16 AIRCRAFT AT KTUS" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: POCIB

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321146.69N/1110201.14W

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 | I-TUS | LOC/DME | | 306.02 | 315.02 | 8.32 | 8.31 50520 | 4600 | 7100 |
| 2 | TUCSON | TUS | VORTAC | VH | 303.04 | 315.04 | 8.56 | 8.56 52008 | 4600 | 7100 |

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

I-TUS DME ANTENNA COORDINATES: 320554.97N/1105503.23W
TUCSON LOCALIZER (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|------|-----|---------------|--------|---------|
| IAP | ILS OR LOC RWY 12 | 1, 2 | | 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 | 2 | | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

1. FIX COORDINATES CHANGED FROM 321142.36N/1110155.96W TO 321146.69N/1110201.14W - FIX MOVED 623.72 FEET NW.
2. REMOVED INT FROM FIX TYPE.
3. REMOVED RYN (RYAN) FROM FIX MAKE-UP.
4. UPDATED FIX MAKE-UP FACILITIES BEARING AND DISTANCE INFORMATION.
5. CHANGED RWY DESIGNATION FROM 11L TO 12 FOR ASSOCIATED IAPS IN FIX USE.
6. ADDED "TUCSON LOCALIZER (FAC 1) USED TO ESTABLISH FIX COORDINATES" IN REMARKS.
7. DELETED "FAAO 8260.52 USED TO DETERMINE PFAF" AND "HOLDING RESTRICTION (PAT 3 CHART 230K ICON)" FROM REMARKS.
8. CHANGED TUS VORTAC CLASS FROM H TO VH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: REBDE

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 315305.22N/1110307.97W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

IAP

USE TITLE

RNAV (GPS) Z RWY 12

RNAV (RNP) Y RWY 12

FAC

PAT

AIRPORT IDENT

KTUS

KTUS

CITY

TUCSON

TUCSON

STATE

AZ (US)

AZ (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

FIX USE: CHANGED PROCEDURE NAME FROM RNAV (GPS) Z RWY 11L AND RNAV (RNP) Y RWY 11L TO RWY 12

DELETED FIX MAKEUP.

CHARTING: DELETED MILITARY IAP.

UPDATED FIX COORDINATES FROM 315305.63N/1110308.45W TO 315305.22N/1110307.97W. FIX MOVED 58 FT SOUTHEAST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH ZEDER

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

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 (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
REMOVED RNAV (GPS) Z RWY 12 FROM FIX USE AT KTUS

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:

RADIO FIX AND HOLDING DATA RECORD

NAME: TACUB

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 322618.54N/1111911.07W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 | VH | 303.05 | 315.05 | 29.10 | 29.10 | | 6000 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION:

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|--------|---------|
| 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) |

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

1. CHANGED RWY DESIGNATION FROM 11L TO 12 FOR ASSOCIATED IAPS IN FIX USE.
2. CHANGED TUS VORTAC CLASS FROM H TO VH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: TOYOP

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 320310.20N/1111524.36W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 | W | | WP | 273.00 | 093.00 | R | 7 | 9000 10000 | 10 16 |

CONTROLLING OBSTRUCTIONS:

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|-----|----------|-------------|------------------------|-----------|---------------|
| 1 | 230 | AAO | 320018.00N/1113200.00W | 7169 | 4E |
| 1 | 310 | AAO | 320018.00N/1113200.00W | 7169 | 4E |

PRECIPITOUS TERRAIN ADDITIONS:

| PAT | SPEED | ADDITION |
|-----|-------|----------|
| 1 | 310 | 230 |
| 1 | 230 | 240 |

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

| PAT | PROCEDURE TITLE | AIRPORT IDENT | CITY | STATE |
|-----|---------------------|---------------|--------|---------|
| 1 | RNAV (RNP) Y RWY 12 | KTUS | TUCSON | AZ (US) |

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|--------|---------|
| IAP | RNAV (GPS) Z RWY 12 | | 1 | KTUS | TUCSON | AZ (US) |
| IAP | RNAV (RNP) Y RWY 12 | | 1 | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

FIX USE: CHANGED PROCEDURE NAME FROM RNAV (GPS) Z RWY 11L AND RNAV (RNP) Y RWY 11L TO RWY 12.

DELETED FIX MAKEUP.

DELETED PATTERNS 1 AND 2 089.66 INBOUND AND ASSOCIATED NOTES.

ADDED PATTERN 1 093.00 INBOUND AND ASSOCIATED NOTES.

FIX COORDINATES UPDATED FROM 320321.04N/1111512.29W TO 320310.20N-1111524.36W, FIX MOVED 1509 FT SOUTHWEST.

DELETED REMARKS: PAT 2 PRIOR COORDINATION REQUIRED WITH CONTROLLING AGENCY FOR HOLDING OVER RUBY 1 MOA.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSEPH ZEDER

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

RADIO FIX AND HOLDING DATA RECORD

NAME: WASON

STATE: AZ

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 321446.22N/1110532.49W

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 | FAC FEET | MRA | MAA |
|-----|--------|-------|---------|-------|------------|-------------|-------|---------------------|-------------|------|-------|
| 1 | TUCSON | I-TUS | LOC/DME | | 306.02 | 315.02 | 12.54 | 12.54 | | 5500 | 7100 |
| 2 | TUCSON | TUS | VORTAC | VH | 303.05 | 315.05 | 12.78 | 12.78 | | 5500 | 17500 |

HOLDING:

HOLDING TYPE OF ACTION:

REMARKS:

I-TUS DME ANTENNA COORDINATES: 320554.97N/1105503.23W

FIX USE:

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|----------|---------------------|-----|-----|---------------|--------|---------|
| 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 | 2 | | KTUS | TUCSON | AZ (US) |

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 11/30/2023

REASON FOR REVISION:

1. REMOVED INT FROM FIX TYPE.
2. REMOVED RYN (RYAN) FROM FIX MAKEUP FACILITIES.
3. CHANGED RWY DESIGNATION FROM 11L TO 12 FOR ASSOCIATED IAPS IN FIX USE.
4. CHANGED TUS VORTAC CLASS FROM H TO VH.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: PARNELL PRASSADA

APPROVED BY:

DATE: 11/30/2023

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE: