| Flight Procedure Tracking Form | Action: FLIGHT CHECK | Task Type: IAP | Date Open: 11/30/2011 | Task #: 2010120726659770002 | Request #: 20101207266597 |
|---|---|---|---|---|---|
| Procedure: ILS OR LOC RWY 17 R AMDT 4 | | Airport ID: KAUS | Airport: AUSTIN-BERGSTROM INTL | | Reimbursable #: |
| City: AUSTIN | ST: TX | GPS #: | | Estimated Chart Date: 05/31/2012 | FICO #: |
| Fac ID: GFQ | Fac. Type: ILS | Specialist: JON DENTON | | | |

## Procedure Review

P1

| | Rec'd | Rel'd | Full Name | Comments |
|---|---|---|---|---|
| Lead: | 11/30/2011 | 03/09/2012 | JILL OLSON | |
| QA: | 03/09/2012 | 03/12/2012 | SCOTT BEARD | |
| Liaison: | 03/12/2012 | | Terrell | |

**Procedure Comments:** ENROUTE **Remark Type:** INFORMATION pkg 4 of 4

AUSTIN, TX AUSTIN-BERGSTROM INTL (KAUS) ILS OR LOC RWY 17R, AMDT 4 ENROUTE-YES FC: 4.3.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BROMS-INT, REV 3; CHADE-INT, REV 3; CREED (BS) LOM, REV 4; GARDS-INT, REV 6; HOMAL-INT, REV 4; WUPGA-INT, ORIG.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568:

| LOC/DME I-GFQ | APP CRS | Rwy ldg | 12248 |
|---|---|---|---|
| 110.95 | 173° | THRE | 542 |
| Chan 46 (Y) | | Apt Elev | 542 |

NEW

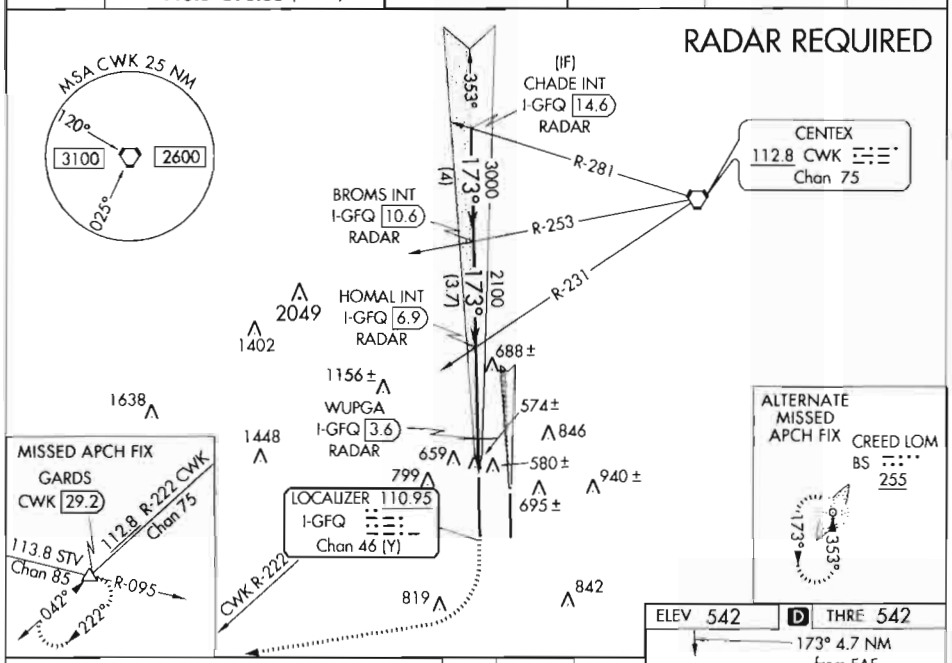
# ILS or LOC RWY 17R
## AUSTIN-BERGSTROM INTL (AUS)

For inoperative MALS, increase S-ILS 17R visibility to RVR 4000 all cats, and S-LOC 17R Cat D, E visibility to 1⅜ mile. Simultaneous approach authorized with Rwy 17L. WUPGA FIX minimums: for inoperative MALS, increase S-LOC 17R Cat D, E visibility to RVR 4500.

MALS

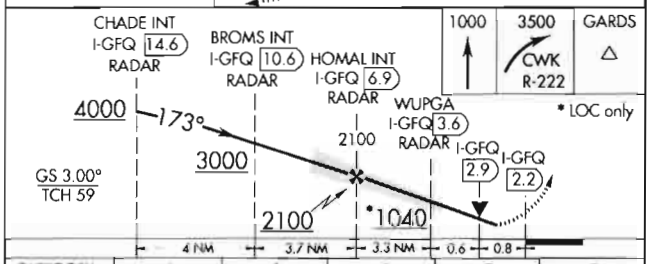
MISSED APPROACH: Climb to 1000, then climbing right turn to 3500 on CWK VORTAC R-222 to GARDS INT/CWK 29.2 DME and hold.

| ATIS | AUSTIN APP CON | AUSTIN TOWER | GND CON | CLNC DEL | UNICOM |
|---|---|---|---|---|---|
| 124.4 | 127.225 317.65 (EAST)<br>120.875 270.25 (SOUTH)<br>119.0 370.85 (WEST) | 121.0 281.5 | 121.9 348.6 | 125.5 263.0 | 122.95 |




ELEV 542 | D | THRE 542

173° 4.7 NM from FAF




| CATEGORY | A | B | C | D | E |
|---|---|---|---|---|---|
| S-ILS 17R | 742/26 200 (200-⅝) | | | | |
| S-LOC 17R | 1040/40 498 (500-¾) | | 1040/60 498 (500-¾) | | |
| CIRCLING | 1040-1 498 (500-1) | | 1040-1½ 498 (500-1½) | 1100-2 558 (600-2) | 1240-2½ 698 (700-2½) |
| WUPGA FIX MINIMUMS | | | | | |
| S-LOC 17R | 840/40 298 (300-¾) | | 840/30 298 (300-⅝) | | |
| CIRCLING | 1040-1 498 (500-1) | | 1040-1½ 498 (500-1½) | 1100-2 558 (600-2) | 1240-2½ 698 (700-2½) |

TDZ/CL Rwys 17L and 35R
HIRL Rwy 17L-35R and 17R-35L

| FAF to MAP 4.7 NM | | | | | |
|---|---|---|---|---|---|
| Knots | 60 | 90 | 120 | 150 | 180 |
| Min:Sec | 4:42 | 3:08 | 2:21 | 1:53 | 1:34 |

# Approved ESVs Report

INFO ONLY

## Region - SW

**Ident - STV City - STONEWALL, TX** **Frequency - 113.8-MHz** **Facility - H-VOR**

| ESV ID | Radial 1 | Radial 2 | Distance | Alt Min | Alt Max | Fight Check Date |
|---|---|---|---|---|---|---|
| FAA 970145-005 | 117 | 0 | 41 | 55 | 175 | |

**Requirement :** 981203EAVN-100 V68 981229A 990310AAVN-130

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970145-006 | 248 | 0 | 45 | 60 | 230 | |

**Requirement :** 990430EAVN-100 KNAGA INT 000322AAVN-130

**Ident - STV City - STONEWALL, TX** **Frequency - 1172-MHz** **Facility - TACR**

| ESV ID | Radial 1 | Radial 2 | Distance | Alt Min | Alt Max | Fight Check Date |
|---|---|---|---|---|---|---|
| FAA 970146-001 | 105 | 0 | 48 | 45 | 161 | |

**Requirement :** 980428EAVN-100 V68. V222. V556. MARCS INT 980812A 980902ROKC FIO SAT AT 4500

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970146-002 | 105 | 0 | 83 | 75 | 161 | |

**Requirement :** 980428EAVN-100 V198. V212. V556. SEEDS INT 980812A 980902ROKC FIO SAT AT 7500

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970146-005 | 117 | 0 | 41 | 55 | 175 | |

**Requirement :** 981203EAVN-100 V66 981229A 990310AAVN-130

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970146-006 | 248 | 0 | 45 | 60 | 230 | |

**Requirement :** 990430EAVN-100 KNAGA INT 000322AAVN-130

**Ident - STV City - STONEWALL, TX** **Frequency - 113.8-MHz** **Facility - H-VOR**

| ESV ID | Radial 1 | Radial 2 | Distance | Alt Min | Alt Max | Fight Check Date |
|---|---|---|---|---|---|---|
| FAA 970145-007 | 249 | 0 | 73 | 140 | 145 | |

**Requirement :** WEBOX Arrival

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970145-008 | 95 | 0 | 41 | 35 | 175 | |

**Requirement :** V17 GUARDS Int

| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970145-009 | 48 | 0 | 57 | 40 | 161 | |

**Requirement :** JASMO

**Ident - STV City - STONEWALL, TX** **Frequency - 1172-MHz** **Facility - TACR**

| ESV ID | Radial 1 | Radial 2 | Distance | Alt Min | Alt Max | Fight Check Date |
|---|---|---|---|---|---|---|
| FAA 970146-007 | 249 | 0 | 73 | 140 | 145 | |

**Requirement :** WEBOX Arrival

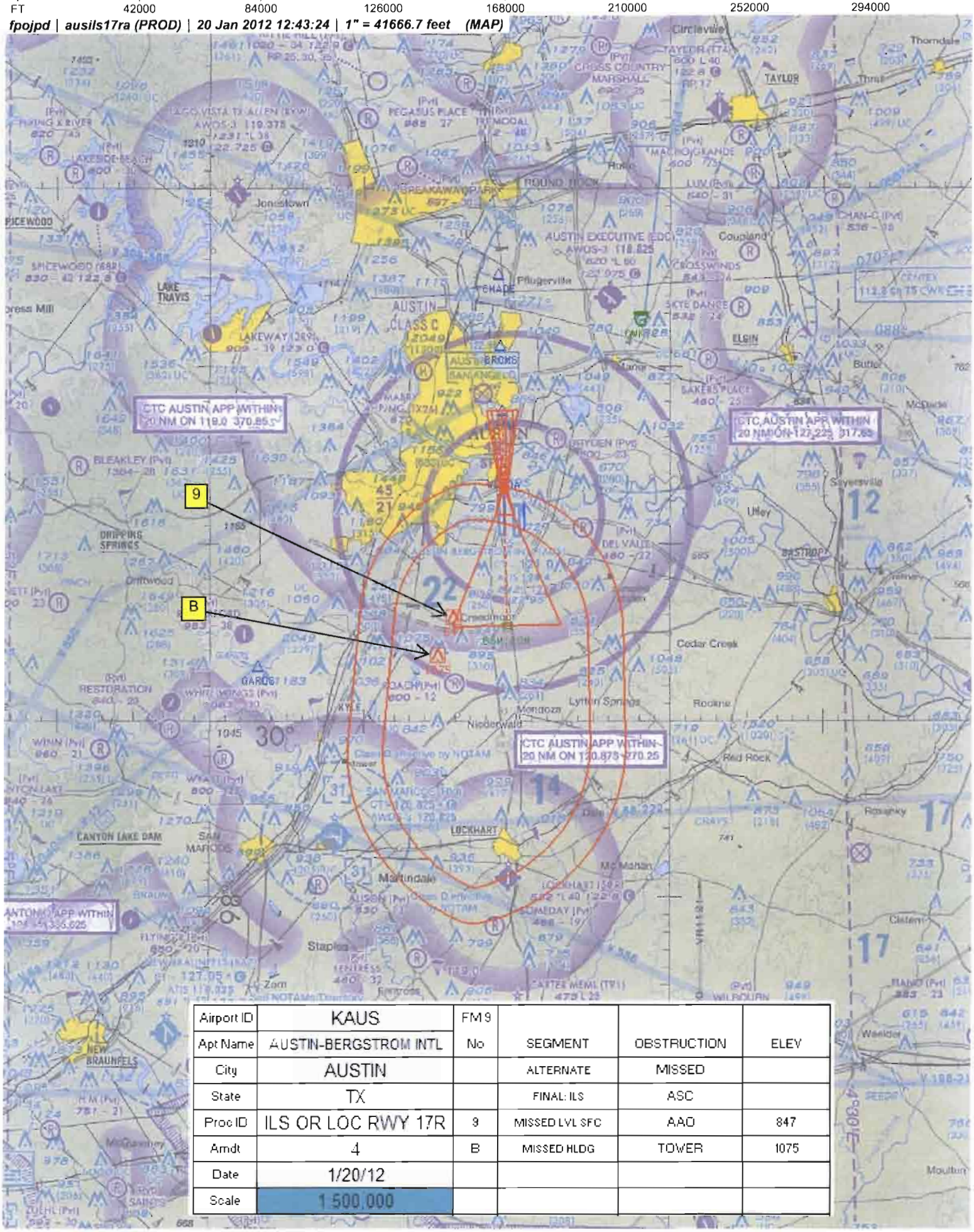
| | | | | | | |
|---|---|---|---|---|---|---|
| FAA 970146-008 | 95 | 0 | 41 | 35 | 175 | |

INFO ONLY

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

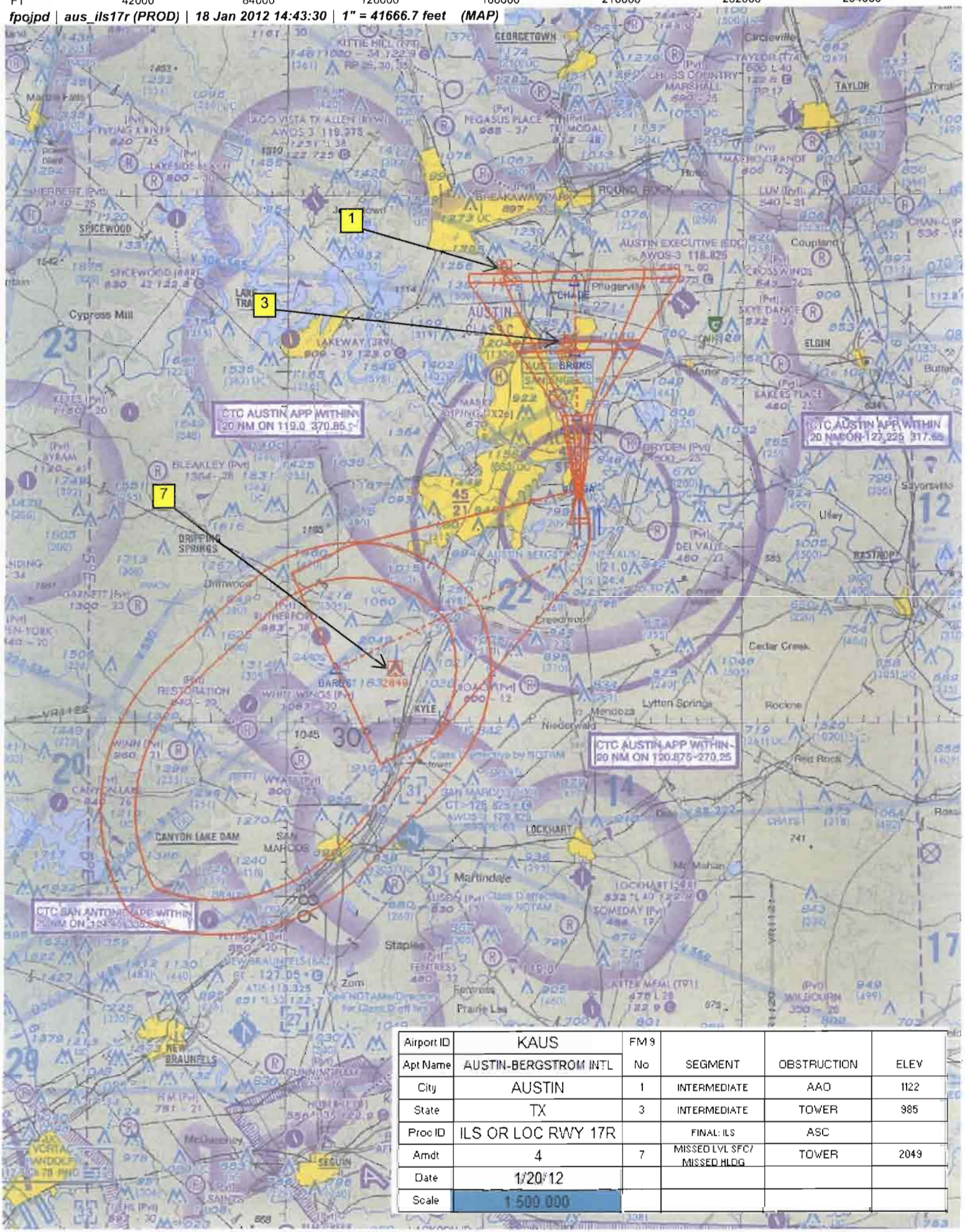
*fpojpd | ausils17ra (PROD) | 20 Jan 2012 12:43:24 | 1" = 41666.7 feet (MAP)*


9
B
CTC AUSTIN APP WITHIN 20 NM ON 119.0 370.85
CTC AUSTIN APP WITHIN 20 NM ON 123.225 317.65
CTC AUSTIN APP WITHIN 20 NM ON 120.875 270.25
AUSTIN CLASS C
AUSTIN EXECUTIVE (EDC)
LAKE TRAVIS
LAKEWAY
DRIPPING SPRINGS
Creedmoor
Niederwald
Mendoza
Lytton Springs
Kyle
Buda
Cedar Creek
Red Rock
Bastrop
Elgin
Taylor
Round Rock
Pflugerville
Jonestown
Coupland
Sayersville
Uhlen
Rockne
Lockhart
Martindale
Staples
Zam
Rosanky
Cistern
Waelder
Moulton
McMahan
Mc Dade
Butler
Thorndale
Thrall
Circleville
Cuero
Gonzales
Luling
Seguin
New Braunfels
Canyon Lake Dam
San Marcos
Dripping Springs
Driftwood
Bleakley
Spicewood
Bee Cave
Lake Travis
Pedernales
Cross Country
Marshall
Pegasus Place
Breakaway Park
Cross Winds
Skye Dance
Bakers Place
Hyden
Del Valle
Restoration
Garden
Winn
Wyatt
Sandy
Zuehl
Flying X River
Lakeside Beach
Cedar Park
Leander
Round Rock
Hutto
Taylor
Elgin
Bastrop
Lockhart
Luv
Chan-C
Cemex
Cartes Memi
Wilbourn
Someday
Alison
Flying Z
Sands
Hm
Mc Gaffey
Braun
Winn
Wyatt
Kyle
Buda
Niederwald
Mendoza
Lytton Springs
Cedar Creek
Rockne
Red Rock
Lockhart
Martindale
Staples
Zam
Rosanky
Cistern
Waelder
Moulton
Mc M

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

*fpojpd | aus_ils17r (PROD) | 18 Jan 2012 14:43:30 | 1" = 41666.7 feet (MAP)*

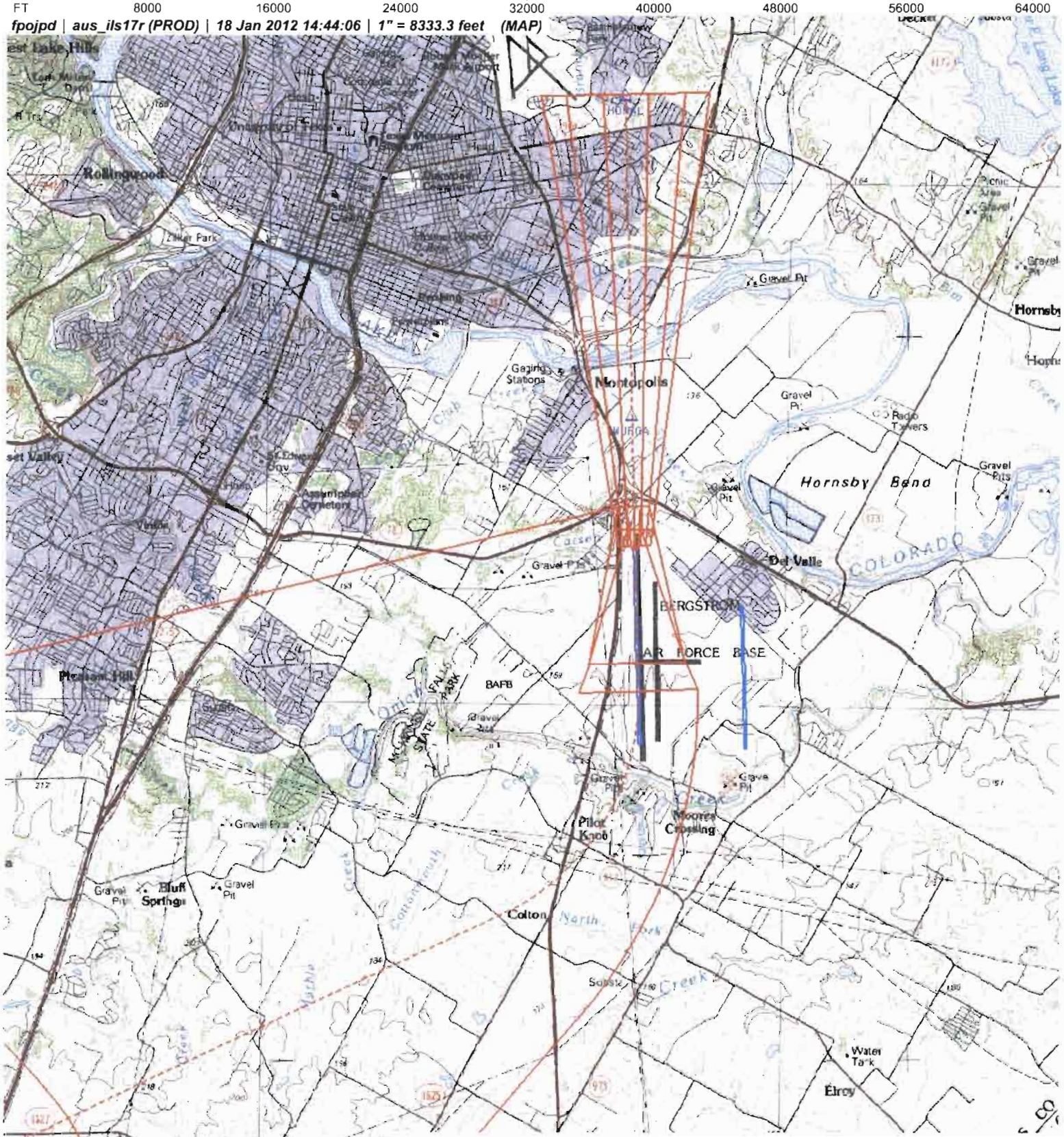



| Airport ID | KAUS | FM 9 | | | |
|---|---|---|---|---|---|
| Apt Name | AUSTIN-BERGSTROM INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City | AUSTIN | 1 | INTERMEDIATE | AAO | 1122 |
| State | TX | 3 | INTERMEDIATE | TOWER | 985 |
| Proc ID | ILS OR LOC RWY 17R | | FINAL: ILS | ASC | |
| Amdt | 4 | 7 | MISSED LVL SFC/ MISSED HLDG | TOWER | 2049 |
| Date | 1/20/12 | | | | |
| Scale | 1:500,000 | | | | |

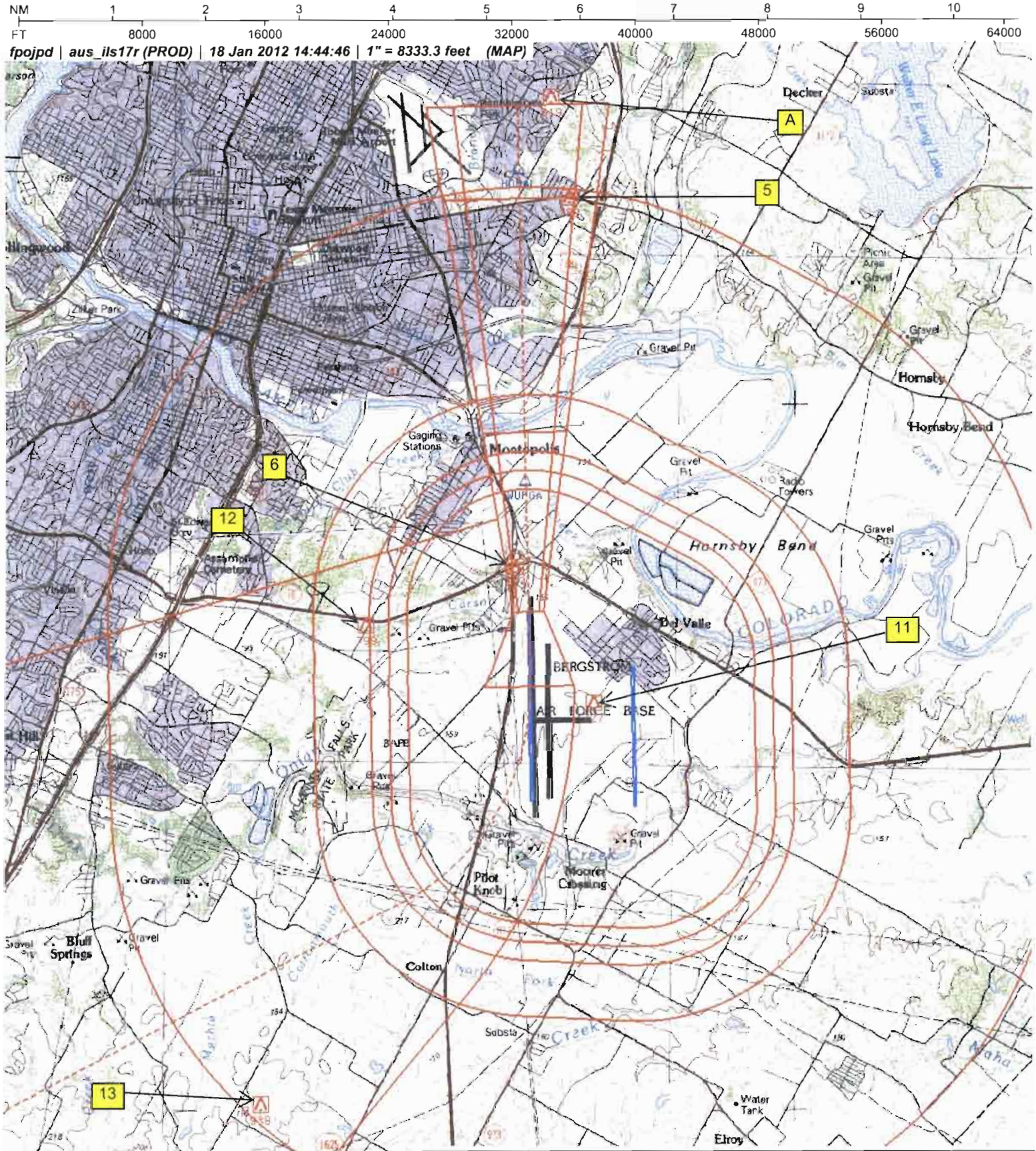
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpojpd | aus_ils17r (PROD) | 18 Jan 2012 14:44:06 | 1" = 8333.3 feet (MAP)*




| Airport ID | KAUS | FMS | | | |
|---|---|---|---|---|---|
| Apt Name | AUSTIN-BERGSTROM INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City | AUSTIN | | FINAL: ILS | ASC | |
| State | TX | | | | |
| Proc ID | ILS OR LOC RWY 17R | | | | |
| Amdt | 4 | | | | |
| Date | 1/20/12 | | | | |
| Scale | 1:100,000 | | | | |




| Airport ID | KAUS | FM 9 | | | |
|---|---|---|---|---|---|
| Apt Name | AUSTIN-BERGSTROM INTL | No | SEGMENT | OBSTRUCTION | ELEV |
| City | AUSTIN | 5 | FINAL: LOC | AAO | 789 |
| State | TX | 6 | FINAL: LOC STEPDOWN | POLE | 574 |
| Proc ID | ILS OR LOC RWY 17R | 11 | CIRCLING A/B/C | ATCT | 727 |
| Amdt | 4 | 12 | CIRCLING D | TOWER | 799 |
| Date | 1/20/12 | 13 | CIRCLING E | AAO | 939 |
| Scale | 1:100,000 | A | 7:1 AREA | AAO | 819 |

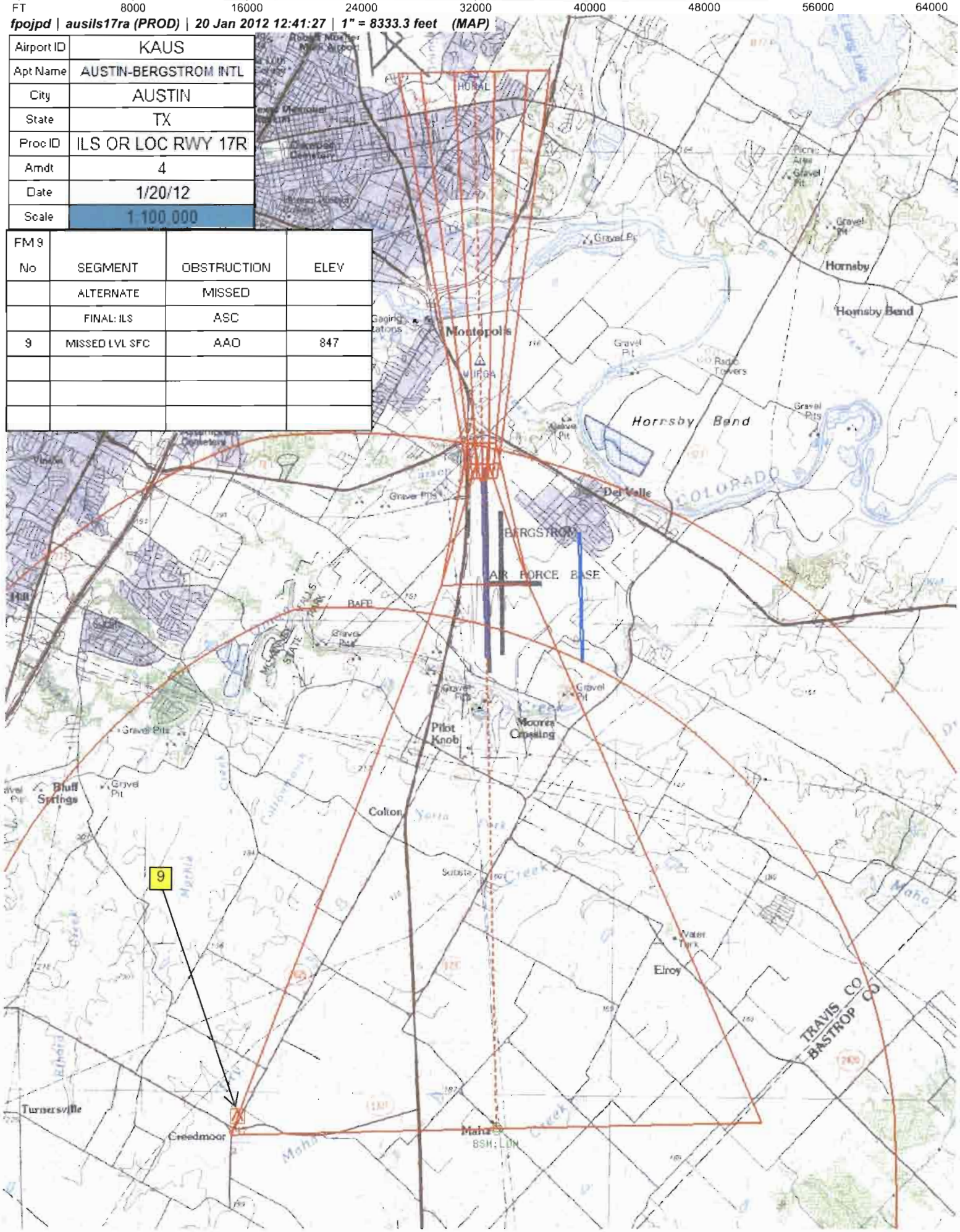
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpojpd | ausils17ra (PROD) | 20 Jan 2012 12:41:27 | 1" = 8333.3 feet (MAP)*

| | |
|---|---|
| Airport ID | KAUS |
| Apt Name | AUSTIN-BERGSTROM INTL |
| City | AUSTIN |
| State | TX |
| Proc ID | ILS OR LOC RWY 17R |
| Amdt | 4 |
| Date | 1/20/12 |
| Scale | 1:100,000 |

| FM 9 No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| | ALTERNATE | MISSED | |
| | FINAL: ILS | ASC | |
| 9 | MISSED LVL SFC | AAO | 847 |
| | | | |
| | | | |
| | | | |



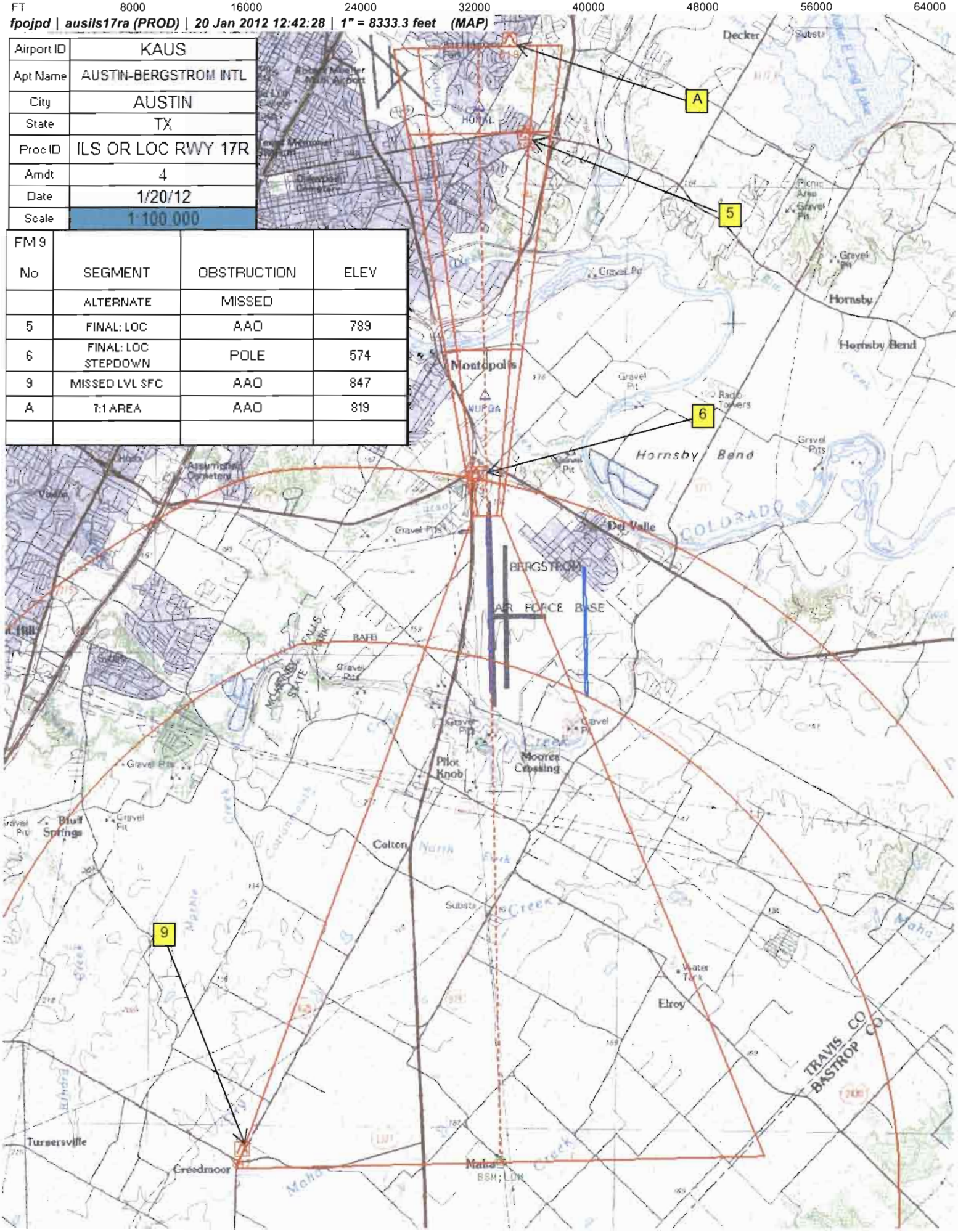
NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

*fpojpd | ausils17ra (PROD) | 20 Jan 2012 12:42:28 | 1" = 8333.3 feet (MAP)*

| | |
|---|---|
| Airport ID | KAUS |
| Apt Name | AUSTIN-BERGSTROM INTL |
| City | AUSTIN |
| State | TX |
| Proc ID | ILS OR LOC RWY 17R |
| Amdt | 4 |
| Date | 1/20/12 |
| Scale | 1:100,000 |

| FM 9 No | SEGMENT | OBSTRUCTION | ELEV |
|---|---|---|---|
| | ALTERNATE | MISSED | |
| 5 | FINAL: LOC | AAO | 789 |
| 6 | FINAL: LOC STEPDOWN | POLE | 574 |
| 9 | MISSED LVL SFC | AAO | 847 |
| A | 7:1 AREA | AAO | 819 |
| | | | |



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

# ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

Bearings, headings, courses, 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 in feet RVR.

## TERMINAL ROUTES

| FROM | TO | COURSE AND DISTANCE | ALTITUDE |
|---|---|---|---|
| CHADE INT/I-GFQ 14.57 DME/RADAR (IF) | BROMS INT/I-GFQ 10.57 DME/RADAR | 172.69 / 4.00 (I-GFQ) | 3000 |
| BROMS INT/I-GFQ 10.57 DME/RADAR | HOMAL INT/I-GFQ 6.89 DME/RADAR | 172.69 / 3.68 (I-GFQ) | 2100 |

## MISSED APPROACH

ILS: DA
LOC: 4.71 MILES AFTER HOMAL INT/I-GFQ 6.89 DME/RADAR OR AT I-GFQ 2.19 DME FIX

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3500 ON CWK VORTAC R-222 TO GARDS INT/CWK 29.18 DME AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 2500 DIRECT BS LOM AND HOLD. (ADF REQUIRED).

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CHADE
3. FAC: 172.69 FAF: HOMAL INT/I-GFQ 6.89 DME/RADAR DIST FAF TO MAP: 4.71 THLD: 4.71
4. MIN. ALT: CHADE 4000, BROMS 3000, HOMAL 2100, WUPGA/I-GFQ 3.59 DME/RADAR 1040*
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1299
6. MIN GS INCPT: 2100 GS ALT AT: HOMAL 2100 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 59.1
8. MSA FROM: CWK VORTAC 205-300 3100, 300-205 2600

ADDITIONAL FLIGHT DATA:
HOLD SW, RT, 042.05 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S
CREED LOM, LT, 352.69 INBOUND.
CHART FAS OBST: 574 OL ON POLE 301313N/0974054W
OBST: 819 AAO 301813N/0974029W
CHART LOC RWY 17L
CHART VDP AT 2.93 DME*;
DISTANCE VDP TO THLD 0.75 MILES.
*LOC ONLY.
CHART IN PLANVIEW: CREED LOM.

MAG VAR: 6E EPOCH YEAR: 2000

## MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: STANDARD # LOC: STANDARD @

| CATEGORY =====> | A | | | B | | | C | | | D | | | E | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA | DH/MDA | VIS | HAT/HAA |
| S-ILS 17R | 742 | 2600 | 200 | 742 | 2600 | 200 | 742 | 2600 | 200 | 742 | 2600 | 200 | 742 | 2600 | 200 |
| S-LOC 17R | 1040 | 4000 | 498 | 1040 | 4000 | 498 | 1040 | 6000 | 498 | 1040 | 6000 | 498 | 1040 | 6000 | 498 |
| CIRCLING | 1040 | 1 | 498 | 1040 | 1 | 498 | 1040 | 1 1/2 | 498 | 1100 | 2 | 558 | 1240 | 2 1/2 | 698 |
| WUPGA FIX MINIMUMS | | | | | | | | | | | | | | | |
| S-LOC 17R | 840 | 4000 | 298 | 840 | 4000 | 298 | 840 | 3000 | 298 | 840 | 3000 | 298 | 840 | 3000 | 298 |
| CIRCLING | 1040 | 1 | 498 | 1040 | 1 | 498 | 1040 | 1 1/2 | 498 | 1100 | 2 | 558 | 1240 | 2 1/2 | 698 |
| | | | | | | | | | | | | | | | |

NOTES:
CHART NOTE: FOR INOPERATIVE MALS, INCREASE S-ILS 17R VISIBILITY TO RVR 4000 ALL CATS, AND S-LOC 17R CAT D, E VISIBILITY TO 1 3/8 MILE.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

# CAT E 700-2 1/2
@ CAT E 800-2 1/2

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO./AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUSTIN, TX | AIRPORT NAME: AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | AMDT: 3B |
| | | | | DATED |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| [ ] YES [X] NO | | ROUTINE |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| X | | X | X | X | X | X ZHU, AUS ATCT, AUS APP CON, AMGR |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: JON DENTON | FIFO AJV-353 | DATE: 01/18/2012 |
| **APPROVED BY** | | |
| NAME: LARRY H STROUT MANAGER | FIFO AJV-353 | DATE: |

CHANGES:

1. AMENDED PROCEDURE TO MATCH RNAV PFAF FOR SIMULTANEOUS OPERATIONS.
2. DISTANCE FAF TO MAP CHANGED FROM 4.64 TO 4.71 AND DME CHANGED FROM 6.83 DME TO 6.89 DME.
3. ADDED SDF, WUPGA, AND WUPGA FIX MINIMUMS.
4. CHANGED S-LOC 17L LOWEST MINIMUMS MDA FROM 940 TO 840, ALL CATS.
5. ADDED MALS INOP NOTES.
6. CHANGED VDP FROM 3.25 DME/1.06 MILES TO 2.93 DME/0.75 MILES.
7. CHANGED CIRCLING CAT D MDA/HAA FROM 1160/618 TO 1100/558 AND CAT E FROM 1260/718 TO 1240/698.
8. CHANGED TDZE 542 TO THRE 542.

REASONS:

1. REQUESTED BY CEN FPT AND ATC.
2. PFAF LOCATION CHANGED BY 394.11 FT NORTH, IAW 8260.54A CRITERIA.
3. TO STEP OVER EXCESSIVE AAO IN FINAL.
4. USED SDF TO STEP OVER AAO IN FINAL.
5. NOT PREVIOUSLY NOTED.
6. LOWERED MDA FROM 940 TO 840.
7. DIFFERENT CONTROLLING OBSTACLES FOUND IN CIRCLING AREAS.
8. USING THRE NOW.

PDF EDITS:
1. IN MISSED APPROACH BLOCK, ADDED I- TO HOMAL INT/GFQ 6.89 DME/RADAR.
2. REMOVED NA ON LINE 1.

QUALITY CHECKED

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**NOTES, (CONT.):**
**CHART NOTE: WUPGA FIX MINIMUMS: FOR INOPERATIVE MALS, INCREASE S-LOC 17R CAT D, E VISIBILITY TO RVR 4500.**

QUALITY 9 CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUSTIN, TX | AIRPORT NAME: AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | AMDT: 3B |
| | | | | DATED: |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

| ATA | AAT | ALPA | APA | AOPA | NBAA | OTHER (specify) |
|---|---|---|---|---|---|---|
| ☐ | ☐ | ☐ | ☐ | ☐ | ☐ | ☐ _____ |

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | FIFO | DATE: |
| **APPROVED BY** | | |
| NAME: | FIFO | DATE: |

CHANGES:

REASONS:

QUALITY CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

Bearings, headings, courses, 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 in feet RVR.

```
ARINC PACKET - 424-18 - ILS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CWK   K4011280VTHW N30224278W097314745    N30224278W097314745E0060005932     NARCENTEX
        SUSAD KAUSK4 IGFQ  K4011095 IT                    IGFQN30103775W097403781     004890     NARAUSTIN-BERGSTROM INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BROMS K40    C     N30211347W097405900                      E0044     NAR           BROMS
        SUSAEAENRT   CHADE K40    C     N30251397W097410535                      E0044     NAR           CHADE
        SUSAEAENRT   GARDS K40    C   L N30030752W097564771                      E0046     NAR           GARDS
        SUSAEAENRT   HOMAL K40    C     N30173209W097405317                      E0044     NAR           HOMAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4AAUS     0     122YHN30114030W097401160E006000542         1800018000C    MNAR    AUSTIN-BERGSTROM INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4FI17R  ACHADE 010CHADEK4EA0E  B    IF                                                18000                 0 NS
        SUSAP KAUSK4FI17R  ACHADE 020BROMSK4EA0EE      CF IGFQK4      3527010617270040PI  + 03000                                0 NS
        SUSAP KAUSK4FI17R  I      010BROMSK4EA0E  I    IF IGFQK4      35270106        PI  J 030000210018000                      0 NS
        SUSAP KAUSK4FI17R  I      020HOMALK4EA0E  F    CF IGFQK4      3527006917300037PI  H 0210002100        -300CWK   K4D 0 NS
        SUSAP KAUSK4FI17R  I      030RW17RK4PG0GY M    CF IGFQK4      3527002217300047PI    00601            -300            0 NS
        SUSAP KAUSK4FI17R  I      040          0  M    CA                      1727        + 01000                                0 NS
        SUSAP KAUSK4FI17R  I      050GARDSK4EA0EY      CF CWK K4      2221029222210170D   + 03500                                0 NS
        SUSAP KAUSK4FI17R  I      060GARDSK4EA0EE  R   HM                      0421T010    + 03500                                0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4GRW17R   0122481727 N30124901W097404571-0400    +0138900542000059150IIGFQ1

                 1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4IIGFQ1   011095RW17RN30103610W0974042201727N30123606W0974050041183 12990300300E00605900527

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **AUSTIN, TX** | AIRPORT NAME: **AUSTIN-BERGSTROM INTL** | **I-GFQ** | **ILS OR LOC RWY 17R, AMDT 4** | AMDT: **3B** |
| | | | | DATED: **03/08/2012** |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

Bearings, headings, courses, 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 in feet RVR.

SUSAP KAUSK4SCWK K4D 0 02512003125120025026 25 M

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUSTIN, TX | AIRPORT NAME: AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | AMDT: 3B |
| | | | | DATED: 03/08/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES **- FAR PART 97.29**

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - ILS

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CHADE | CHADE | 010 | | IF | | FB | | | | | |
| | CHADE | BROMS | 020 | | CF | | FB | | 172.7() | 004.0 | AA 03000 | |
| | | BROMS | 010 | FACF | IF | | FB | | | | AA 03000 GI 02100 | |
| | | HOMAL | 020 | FAF | CF | | FB | | 173.0() | 003.7 | GI 02100 GS 02100 | |
| | | RW17R | 030 | MAP | CF | | FO | | 173.0() | 004.7 | AT 00601 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 172.7() | | AA 01000 | |
| | GARDS | 050 | | CF | | FO | | 222.1() | 017.0 | AA 03500 | |
| | GARDS | 060 | | HM | R | FO | | 042.1() | T01.0 | AA 03500 | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| CWK | N302242.78 | W0973147.45 | N3022.713 | W09731.791 |
| IGFQ (DME) | N301037.75 | W0974037.81 | N3010.629 | W09740.630 |
| BROMS | N302113.47 | W0974059.00 | N3021.225 | W09740.983 |
| CHADE | N302513.97 | W0974105.35 | N3025.233 | W09741.089 |
| GARDS | N300307.52 | W0975647.71 | N3003.125 | W09756.795 |
| HOMAL | N301732.09 | W0974053.17 | N3017.535 | W09740.886 |
| RW17R | N301249.01 | W0974045.71 | N3012.817 | W09740.762 |
| IGFQ (LOC) | N301036.10 | W0974042.20 | N3010.602 | W09740.703 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW17R | 00542 | 59 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **AUSTIN, TX** | AIRPORT NAME: **AUSTIN-BERGSTROM INTL** | **I-GFQ** | **ILS OR LOC RWY 17R, AMDT 4** | AMDT: **3B** |
| | | | | DATED: **03/08/2012** |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, 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 in feet RVR.

ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        CWK   K4011280VTHW N30224278W097314745    N30224278W097314745E0060005932     NARCENTEX
        SUSAD KAUSK4 IGFQ  K4011095 IT                     IGFQN30103775W097403781     004890     NARAUSTIN-BERGSTROM INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BROMS K40    C     N30211347W097405900                      E0044     NAR           BROMS
        SUSAEAENRT   CHADE K40    C     N30251397W097410535                      E0044     NAR           CHADE
        SUSAEAENRT   GARDS K40    C   L N30030752W097564771                      E0046     NAR           GARDS
        SUSAEAENRT   HOMAL K40    C     N30173209W097405317                      E0044     NAR           HOMAL
        SUSAEAENRT   WUPGA K40    C     N30141319W097404793                      E0044     NAR           WUPGA

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4AAUS     0     122YHN30114030W097401160E006000542         1800018000C    MNAR    AUSTIN-BERGSTROM INTL

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4FL17R  ACHADE 010CHADEK4EA0E  B    IF                                                18000                 0 NS
        SUSAP KAUSK4FL17R  ACHADE 020BROMSK4EA0EE      CF IGFQK4      3527010617270040PI  + 03000                                0 NS
        SUSAP KAUSK4FL17R  L      010BROMSK4EA0E  I    IF IGFQK4      35270106        PI  + 03000     18000                 0 NS
        SUSAP KAUSK4FL17R  L      020HOMALK4EA0E  F    CF IGFQK4      3527006917300037PI  + 02100                 CWK   K4D 0 NS
        SUSAP KAUSK4FL17R  L      021WUPGAK4EA0E S     CF IGFQK4      3527003617300033PI  + 01040             -300          0 NS
        SUSAP KAUSK4FL17R  L      030RW17RK4PG0GY M    CF IGFQK4      3527002217300014PI    00601             -300          0 NS
        SUSAP KAUSK4FL17R  L      040         0  M     CA                      1727        + 01000                          0 NS
        SUSAP KAUSK4FL17R  L      050GARDSK4EA0EY      CF CWK K4      2221029222210170D   + 03500                          0 NS
        SUSAP KAUSK4FL17R  L      060GARDSK4EA0EE  R   HM                      0421T010    + 03500                          0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4GRW17R   0122481727 N30124901W097404571-0400    +0138900542000059150IIGFQ1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4IIGFQ1   011095RW17RN30103610W0974042201727N30123606W0974050041183 12990300300E00605900527

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUSTIN, TX | AIRPORT NAME: AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | AMDT: 3B |
| | | | | DATED: 03/08/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.25

Bearings, headings, courses, 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 in feet RVR.

```
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KAUSK4SCWK  K4D                0   0251200312512002502625                                                                M
```

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| AUSTIN, TX | AIRPORT NAME: AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | AMDT: 3B |
| | | | | DATED: 03/08/2012 |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

**U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION**

# LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - LOC

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CHADE | CHADE | 010 | | IF | | FB | | | | | |
| | CHADE | BROMS | 020 | | CF | | FB | | 172.7() | 004.0 | AA 03000 | |
| | | BROMS | 010 | FACF | IF | | FB | | | | AA 03000 | |
| | | HOMAL | 020 | FAF | CF | | FB | | 173.0() | 003.7 | AA 02100 | |
| | | WUPGA | 021 | SDF | CF | | FB | | 173.0() | 003.3 | AA 01040 | |
| | | RW17R | 030 | MAP | CF | | FO | | 173.0() | 001.4 | AT 00601 | |

| MISSED APPROACH | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 040 | | CA | | FB | | 172.7() | | AA 01000 | |
| | GARDS | 050 | | CF | | FO | | 222.1() | 017.0 | AA 03500 | |
| | GARDS | 060 | | HM | R | FO | | 042.1() | T01.0 | AA 03500 | |

POINT DATA

| WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|---|---|---|---|---|
| CWK | N302242.78 | W0973147.45 | N3022.713 | W09731.791 |
| IGFQ (DME) | N301037.75 | W0974037.81 | N3010.629 | W09740.630 |
| BROMS | N302113.47 | W0974059.00 | N3021.225 | W09740.983 |
| CHADE | N302513.97 | W0974105.35 | N3025.233 | W09741.089 |
| GARDS | N300307.52 | W0975647.71 | N3003.125 | W09756.795 |
| HOMAL | N301732.09 | W0974053.17 | N3017.535 | W09740.886 |
| WUPGA | N301413.19 | W0974047.93 | N3014.220 | W09740.799 |
| RW17R | N301249.01 | W0974045.71 | N3012.817 | W09740.762 |
| IGFQ (LOC) | N301036.10 | W0974042.20 | N3010.602 | W09740.703 |

RUNWAY DATA

| RWY | THRESHOLD ELEVATION | TCH |
|---|---|---|
| RW17R | 00542 | 59 |

QUALITY CHECKED

| CITY AND STATE | ELEVATION: 542 THRE: 542 | FACILITY IDENTIFIER: | PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: | SUP: |
|---|---|---|---|---|
| **AUSTIN, TX** | AIRPORT NAME: **AUSTIN-BERGSTROM INTL** | **I-GFQ** | **ILS OR LOC RWY 17R, AMDT 4** | AMDT: **3B** |
| | | | | DATED: **03/08/2012** |

| ALL AFFECTED PROCEDURES REVIEWED? | COORDINATES OF FACILITIES | REQUIRED EFFECTIVE DATE |
|---|---|---|
| ☐ YES ☐ NO | | |

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

| FLIGHT CHECKED BY | | |
|---|---|---|
| NAME: | FIFO | DATE: |
| **DEVELOPED BY** | | |
| NAME: | NFPG | DATE: |
| **APPROVED BY** | | |
| NAME: | NFPG | DATE: |

CHANGES:

REASONS:

# STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

| 1. APP SEGMENT | FROM | TO | OBSTRUCTION | COORDINATES | ELEV. MSL | ROC | ALT. ADJUSTMENTS | MIN. ALT. |
|---|---|---|---|---|---|---|---|---|
| INTERMEDIATE | CHADE INT/I-GFQ | BROMS INT/I-GFQ | 1. AAO | 302536.00N/0974542.00W | 1122 (4E) | 500 | AT1378 | 3000 |
| | 14.57 DME/RADAR | 10.57 DME/RADAR | 2. TERRAIN | 302116.00N/0974506.00W | 903 (900) | | AS1000 | 1900 |
| | | | | | | | | |
| INTERMEDIATE: | BROMS INT/I-GFQ | HOMAL INT/I-GFQ | 3. TOWER (48-000030) | 302116.00N/0974131.00W | 985 (3C) | 500 | AT615 | 2100 |
| STEPDOWN | 10.57 DME/RADAR | 6.89 DME/RADAR | 4. TERRAIN | 302109.00N/0974327.00W | 742 (700) | | AS1000 | 1700 |
| | | | | | | | | |
| FINAL: ILS | HOMAL INT/I-GFQ | RW17R | | | | ASC | | 742/200 |
| | 6.89 DME/RADAR | | | | | | | |
| | | | | | | | | |
| FINAL: LOC | HOMAL INT/I-GFQ | WUPGA/I-GFQ 3.59 | 5. AAO | 321708.05N/0974015.33W | 789 (2C) | 250 | | 1040 |
| | 6.89 DME/RADAR | DME/RADAR | | | | | | |
| | | | | | | | | |
| FINAL: LOC STEPDOWN | WUPGA/I-GFQ 3.59 | 4.71 MILES AFTER | 6. POLE (KAUS0032) | 301312.68N/0974054.47W | 574 (1A) | 250 | | 840 |
| | DME/RADAR | HOMAL INT/GFQ | | | | | | |
| | | 6.89 DME/RADAR | | | | | | |
| | | OR AT I-CFQ | | | | | | |
| | | 2.19 DME FIX | | | | | | |
| 2. PROCEDURE TURN | NA | | | | | | | |
| 3. MISSED APPROACH MAP: | DA / 4.71 MILES | GARDS INT/CWK | | | | ASC | | 3500 |
| | AFTER HOMAL | 29.18 DME | 7. TOWER (48-005076) | 300243.00N/0975251.00W | 2049 (5D) | 1000 | | 3100 |
| ELEV: | 572/690 | | 8. TERRAIN | 300845.00N/0975918.00W | 1146 (1100) | | AS1500 | 2600 |

| 4. CIRCLING AREA | DISTANCE | HT. ABV. ARPT. REQUIRED | HT. ABV. ARPT. ACTUAL | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CATEGORY A | 1.3 NM | 350 | 498 / 498 | 11. ATCT (48-014551) | 301145.81N/0973956.35W | 727 (1A) | 300 | | 1040 / 1040 |
| CATEGORY B | 1.5 NM | 450 | 498 / 498 | 11. ATCT (48-014551) | 301145.81N/0973956.35W | 727 (1A) | 300 | | 1040 / 1040 |
| CATEGORY C | 1.7 NM | 450 | 498 / 498 | 11. ATCT (48-014551) | 301145.81N/0973956.35W | 727 (1A) | 300 | | 1040 / 1040 |
| CATEGORY D | 2.3 NM | 550 | 558 / 558 | 12. TOWER (48-003560) | 301235.59N/0974245.52W | 799 (1A) | 300 | | 1100 / 1100 |
| CATEGORY E | 4.5 NM | 550 | 698 / 698 | 13. AAO | 300728.03N/0974402.64W | 939 (2C) | 300 | | 1240 / 1240 |

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: CWK VORTAC

| SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A | SECTOR | OBSTRUCTION | BRG/DIST | ELEVATION (MSL) | M S A |
|---|---|---|---|---|---|---|---|---|---|
| 205-300 | TWR (48-004143) | 250/ 14.6 | 2049 (3C) | 3100 | | | | | |
| 300-205 | TWR (48-008828) | 156/ 26.9 | 1520 (5D) | 2600 | | | | | |

| CITY AND STATE | ELEVATION: 542 / AIRPORT NAME: | FACILITY | PROCEDURE AND AMENDMENT NO: | REGION |
|---|---|---|---|---|
| AUSTIN, TX | AUSTIN-BERGSTROM INTL | I-GFQ | ILS OR LOC RWY 17R, AMDT 4 | ASW |

QUALITY CHECKED

## PART B - SUPPLEMENTAL DATA

| 1. COMMUNICATIONS WITH: | 2. WEATHER SERVICE | | 3. ALTIMETER SETTING |
|---|---|---|---|
| AUS APP CON<br>AUS TOWER<br>ZHU ARTCC | N W S | OTHER:<br>ASOS | SOURCE: KAUS |
| | F A A | | DISTANCE: |
| SATISFACTORY ON: | A / C | | HOURS REMOTE OPERATION: |
| X V H F  X U H F  H F | LOCATION: KAUS | | ADJUSTMENT: 0 |

| | | |
|---|---|---|
| 4. MONITOR STATUS | PRIMARY NAVAID: | I-GFQ |
| | MONITOR POINT: | ATCT |
| | HRS OPTN: CAT 1 | 24 |
| | HRS OPTN: CAT 3 | |

| | | |
|---|---|---|
| 5. APPROACH & RUNWAY LIGHTING | X | ALSF-2 17L |
| | | (S) SALS |
| | X | MALS 17R MALSR 35R, 35L |
| | X | HIRL 35R, 35L, 17R, 17L |
| | | MIRL |
| | | REIL |
| | X | TDZ 35R, 17L |
| | X | C/L 35R, 17L |
| | X | OTHER (SPECIFY)<br>PAPI-4L 35R, 35L, 17R, 17L |

| | | |
|---|---|---|
| 6. RUNWAY MARKINGS | BASIC | |
| | ALL WEATHER | PIR-G 35R, 35L, 17R, 17L |
| | INSTRUMENT | |
| 7. RUNWAY VISUAL RANGE | APPROACH | 35R, 35L, 17R, 17L |
| | MIDFIELD | 35R, 17L |
| | ROLL OUT | 35R, 35L, 17R, 17L |

| | | |
|---|---|---|
| 8. GLIDE PATH | GP ANGLE: 3.00 | ELEV RWY THRESHOLD: 541.6 |
| | DISTANCE FROM RWY: 1299 | ELEV GP ANTENNA: 532.6 |
| | | THRESHOLD CROSSING HEIGHT: 59.1 |

| | | | |
|---|---|---|---|
| 9. FINAL APPROACH COURSE AIMING | X | RUNWAY THRESHOLD | FT. FROM THRESHOLD |
| | X | ON CENTERLINE | FT. FROM CENTERLINE |

10. WAIVERS: NONE

| | |
|---|---|
| PART D - PREPARED BY: JON DENTON | DATE: 01/18/2012 |
| TITLE: AERONAUTICAL INFORMATION SPECIALIST | OFFICE: AJV-353 |

## PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 819 AAO 301813N/0974029W

PART B: SUPPLEMENTAL DATA
2. KAUS ASOS IS ON SERVICE A. HRS OPTN: 24.

VGSI DATA: 3.00/60.1

BACKUP ALTIMETER SETTING NOT USED REDUNDANT SOURCES AVAILABLE.

RADAR ALTERNATE MISSED APPROACH FOLLOWS SAME TRACK AS ILS MISSED APPROACH, IAW 8260.64 PARA 10.3.5.

FEEDERS AND INITIALS NOT USED PER ATC REQUEST.

NO ADDITIONAL AIRSPACE REQUIRED.

VEGETATION HEIGHT: 50 FT

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 2500
9. AAO 300527.00N/0974403.00W 847 (4E) 1000 1900
10. TERRAIN 300527.00N/0974403.00W 647 (600) AS1500
2100

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** BROMS **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 302113.47N/0974059.00W **TYPE:** WP, RADAR, 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 | AUSTIN | I-GFQ | LOC/DME | | 352.69 | 358.69 | 10.57 | 10.60 | | 2100 | 4900 |
| 2 | CENTEX | CWK | VORTAC | H | 253.46 | 259.46 | | 8.09 | | 2100 | 4900 |

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

**REMARKS:**
AUSTIN (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME COORDINATES: 301037.75N-0974037.81W.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 17R | 1, 2 | | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 17R | | | KAUS | AUSTIN | TX (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
ADDED FAC 1 DIST FROM FAC, NM.
ADDED FAC 2 DIST FROM FAC, NM.
DELETED FAC 3 DATA.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 01/12/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS APP CON, AUS ATCT
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CHADE **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 302513.97N/0974105.35W **TYPE:** WP, RADAR, 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 | AUSTIN | I-GFQ | LOC/DME | | 352.69 | 358.69 | 14.57 | 14.60 | | 2100 | 4900 |
| 2 | CENTEX | CWK | VORTAC | H | 281.40 | 287.40 | | 8.43 | | 2100 | 4900 |

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

**REMARKS:**
AUSTIN (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME COORDINATES: 301037.75N-0974037.81W.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 17R | 1, 2 | | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 17R | | | KAUS | AUSTIN | TX (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 3 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
ADDED FAC 1 DIST FROM FAC, NM.
ADDED FAC 2 DIST FROM FAC, NM.
DELETED FAC 3 DATA.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 01/12/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS APP CON, AUS ATCT
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CREED LOM **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 300522.96N/0974033.97W **TYPE:** 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 FAC NM | DIST FROM FAC FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | CREED | BS | LOM | | | | | | | | 17500 |
| 2 | AUSTIN | I-BSM | LOC/DME | | 172.69 | 178.69 | 5.23 | 7.61 | 46262 | 2500 | 5000 |

**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 | S | BS | LOM | 172.69 | 352.69 | L | 1 | | 2500 | 5000 | 7 | 8 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 230 | TOWER (48-005184) | 300320.00N/0974502.00W | 1075 | 4D |

**REASON FOR NONSTANDARD HOLDING:**
PAT 1 SIMULTANEOUS APPROACHES WITH 35R

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

**REMARKS:**
COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE CREED LOM.
ACTUAL FACILITY LOCATION IS 300522.97N/0974033.70W.
DME COORDINATES: 301037.75N-0974037.81W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 17R | 1 | 1 | KAUS | AUSTIN | TX (US) |
| IAP | ILS OR LOC RWY 35L | 1, 2 | 1 | KAUS | AUSTIN | TX (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
UPDATED FIX COORDINATES, TO PLACE ON CENTERLINE ABEAM NAVAID.
DELETED FAC 3 DATA.
CHANGED HOLDING MIN ALT FROM 2400 TO 2500 AND MIN/MAX TEMPLATE SIZES FROM 8/9 TO 7/8.
DELETED 310 HOLDING PATTERN, C-I-H NOT NEEDED.
CHANGED HOLDING AIRSPEED FROM 265 TO 230.
ADDED PRECIPITOUS TERRAIN STATEMENT.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 01/19/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS ATCT, AUS APP CON
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** GARDS **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 300307.52N/0975647.71W **TYPE:** WP, INT, 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 | CENTEX | CWK | VORTAC | H | 222.05 | 228.05 | 29.18 | 29.18 | | 3500 | 17500 |
| 2 | STONEWALL | STV | VORTAC | H | 095.00 | 103.00 | | 40.57 | | 3500 | 17500 |

**EXPANDED SERVICE VOLUME (ESV):**

| FAC IDENT | FAC TYPE | RADIAL/BEARING | DISTANCE | MIN ALTITUDE | MAX ALTITUDE |
|---|---|---|---|---|---|
| STV | VORTAC | R-095 | 41 | 3500 | 17500 |

**HOLDING:** **HOLDING TYPE OF ACTION:** MODIFY

**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 | SW | CWK | VORTAC | 222.05 | 042.05 | R | 1-1 1/2 | | 3500 | 17500 | 8 | 18 |
| 2 | SW | | WP | 222.05 | 042.05 | R | | 6 | 3500 | 8000 | 7 | 9 |

**CONTROLLING OBSTRUCTIONS:**

| PAT | AIRSPEED | OBSTRUCTION | COORDINATES | ELEVATION | ACCURACY CODE |
|---|---|---|---|---|---|
| 1 | 230 | TOWER (48-005076) | 300243.00N/0975251.00W | 2049 | 5D |
| 2 | 230 | TOWER (48-005076) | 300243.00N/0975251.00W | 2049 | 5D |

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

**REMARKS:**
CENTEX (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| DP | AUSTIN | 1, 2 | | KAUS | AUSTIN | TX (US) |
| EN ROUTE | V17 | 1 | | | | (US) |
| IAP | ILS OR LOC RWY 17R | 1, 2 | 1 | KAUS | AUSTIN | TX (US) |
| IAP | ILS OR LOC RWY 35L | 1, 2 | 1 | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 17R | | 2 | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 35L | | 2 | KAUS | AUSTIN | TX (US) |

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 6 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
CHANGED PATTERN 1 MAX TEMPLATE SIZE FROM 22 TO 18.
CHANGED PATTERN 2 MIN HOLDING ALT FROM 3100 TO 3500.
CHANGED PATTERN 2 AIRSPEED FROM 265 TO 230, PER FPT.
CHANGED PATTERN 2 DME LEG LENGTH FROM 7 TO 6 PER TABLE 8.
CHANGED PATTERN 2 MIN AND MAX TEMPLATE SIZES FROM 9/11 TO 7/9.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 01/12/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS APP CON, AUS ATCT
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** HOMAL **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 301732.09N/0974053.17W **TYPE:** WP, RADAR, 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 | AUSTIN | I-GFQ | LOC/DME | | 352.69 | 358.69 | 6.89 | 6.92 | 42038 | 2100 | 4900 |
| 2 | CENTEX | CWK | VORTAC | H | 230.76 | 236.76 | | 9.41 | | 2100 | 4900 |

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

**REMARKS:**
AUSTIN (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME COORDINATES: 301037.75N-0974037.81W.

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 17R | 1, 2 | | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 17R | | | KAUS | AUSTIN | TX (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 4 **DATE OF REVISION:** 05/31/2012

**REASON FOR REVISION:**
UPDATED FAC 1, 2, 3. REMOVED FAC (ASR), CONSOLIDATED WITH R17R FOR RADAR AND GPS.
UPDATED BLOCK C.
UPDATED FIX USE.

**DEVELOPED BY:** **DATE:** 01/12/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS APP CON, AUS ATCT
**OTHER:**

QUALITY CHECKED

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WUPGA **STATE:** TX **COUNTRY:** US

**LATITUDE/LONGITUDE:** 301413.19N/0974047.93W **TYPE:** WP, RADAR, DME

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

**FIX MAKE-UP FACILITIES:**

| FAC | NAME | IDENT | TYPE | CLASS | MAG BRG | TRUE BRG | DME | DIST FROM FAC NM | FEET | MRA | MAA |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | AUSTIN | I-GFQ | LOC/DME | | 352.69 | 358.69 | 3.59 | 3.61 | | 940 | 4900 |

**FIX USE:**

| USE TYPE | USE TITLE | FAC | PAT | AIRPORT IDENT | CITY | STATE |
|---|---|---|---|---|---|---|
| IAP | ILS OR LOC RWY 17R | 1 | | KAUS | AUSTIN | TX (US) |
| IAP | RNAV (GPS) RWY 17R | | | KAUS | AUSTIN | TX (US) |

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 05/31/2012

**DEVELOPED BY:** **DATE:** 01/12/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

**APPROVED BY:** **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

**SIGNATURE:**

**DISTRIBUTION:**
**NFDC**
**FPO:** CEN
**ARTCC:** ZHU
**ATC FACILITY:** AUS APP CON, AUS ATCT
**OTHER:**

QUALITY CHECKED 9