

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT ID</u> SJT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 3	<u>ORIGINAL/AMENDMENT</u> 23	<u>CITY</u> SAN ANGELO	<u>STATE</u> TX
<u>AIRPORT ELEVATION</u> 1919	<u>TDZE</u> 1917	<u>SUPERSEDED</u> ILS Y OR LOC Y RWY 3	<u>ORIGINAL/AMENDMENT</u> 22B	<u>DATED</u> 08/11/2022
<u>FACILITY</u> I-SJT	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 5E
				<u>EPOCH YEAR</u> 2020
				<u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
JIGEM/SJT 15.00 DME CCW	IAF	BONNY/SJT VORTAC 15.00 DME					15.00 DME ARC (LR-224)		4100
FELUV/SJT 15.00 DME CW	IAF	BONNY/SJT VORTAC 15.00 DME					15.00 DME ARC (SJT LR-208)		4100
BONNY/SJT VORTAC 15.00 DME	IF	WOOLE/I-SJT 7.21 DME					038.15 (I-SJT)	6.23	3900

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: I-SJT 1.15 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4000 ON SJT R-135 TO FELUV/SJT 15 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. <b>PT</b>	<b>SIDE OF COURSE</b>	<b>OUTBOUND</b>	<b>FT WITHIN</b>	<b>MILES OF</b>	<b>(IAF)</b>
2.					
3. <b>FAC:</b>	038.15	<b>FAF:</b>	WOOLE/I-SJT 7.21 DME	<b>DIST FAF TO MAP:</b>	<b>DIST FAF TO THLD:</b> 6.07
4. <b>MIN ALT:</b>	WOOLE/I-SJT 7.21 DME 3900, ERRNY/I-SJT 3.19 DME 2620				
5. <b>DIST TO THLD FROM OM:</b>		<b>MM:</b>	<b>IM:</b>	<b>150 HAT:</b>	<b>GS ANT:</b> 1001
6. <b>MIN GS INCPT:</b>	3900	<b>GS ALT AT PFAF:</b>	WOOLE/I-SJT 7.21 DME 3900	<b>OM:</b>	<b>MM:</b>
7. <b>GS ANGLE:</b>	3.00	<b>34:1:</b>	<b>20:1:</b>	<b>TCH:</b> 50.8	<b>IM:</b>
8. <b>MSA FROM:</b>	SJT VORTAC 4300				



**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 2685.  
CHART NOTE: CIRCLING NA FOR CATS D AND E W OF RWY 18-36.  
CHART NOTE: \* RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
CHART PROFILE NOTE: USE I-SJT DME WHEN ON THE LOCALIZER COURSE.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 3 CAT E VISIBILITY TO RVR 4000, S-LOC 3 CAT E VISIBILITY TO RVR 6000.

**ADDITIONAL FLIGHT DATA:**

CHART I-SJT 13.45 DME AT BONNY.  
HOLD SE, RT, 314.58 INBOUND.  
CHART FAS OBST: 2044 TRANSMISSION\_LINE (48-158289) 312023N/1003058W.  
CHART VDP AT 2.19 DME.  
DISTANCE VDP TO THLD 1.04 NM.  
CHART SJT R-309 AT JIGEM.  
CHART SJT R-135 AT FELUV.

**MINIMUMS:**

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA  ILS: STANDARD - NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT D 800-2 1/2, CAT E 800-2 3/4, NA WHEN CONTROL TOWER CLOSED.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
S-ILS 03*	2117	2400	200	2117	2400	200	2117	2400	200	2117	2400	200	2117	2400	200
S-LOC 03	2300	2400	383	2300	2400	383	2300	3500	383	2300	3500	383	2300	3500	383
CIRCLING	2360	1	441	2380	1	461	2500	1 1/2	581	2580	2 1/2	661	2700	2 3/4	781

**CHANGES - REASONS**

1. REMOVED WOOLE LOM (SJ) NDB FROM NAVAID FROM PROCEDURE - WOOLE LOM DECOMMISSIONED.
2. REMOVED FEEDERS FROM SJT VORTAC, TANKR, CHILD, EDWAR - WOOLE LOM DECOMMISSIONED.
3. MOVED (IF) BONNY 33 FT NW - TO ALIGN WITH FAC.
4. RETAINED WOOLE NAME FOR PFAF FIX NAME - FPT/ATC REQUEST.
5. CHANGED MISSED APP INSTRUCTIONS FROM "CLIMB TO 4000 THEN RIGHT TURN DIRECT SJT VORTAC AND HOLD" TO "CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 4000 ON SJT R-135 TO FELUV/SJT 15.00 DME AND HOLD" - FPT/ATC REQUEST.
6. REMOVED PROCEDURE TURN - WOOLE LOM DECOMMISSIONED.
7. REMOVED THE "Y" IN THE ILS Y OR LOC Y RWY 3 PROCEDURE - NOT REQUIRED.
8. REMOVED "CHART CIRCLING ICON" IAW MEMO DATED 05/15/2025.
9. REMOVED NOTE "CAT E PROCEDURE TURN NA" - NOT NEEDED, REMOVED PROCEDURE TURN.
10. CHANGED NOTE FROM "FOR INOPERATIVE ALS, INCREASE S-ILS 3 CAT E VISIBILITY TO RVR 4000, S-LOC 3 CAT C/D/E VISIBILITY TO 2 SM" TO ""FOR INOPERATIVE ALS, INCREASE S-ILS 3 CAT E VISIBILITY TO RVR 4000, S-LOC 3 CAT E VISIBILITY TO RVR 6000 - NEW TARGETS EVALUATION.
11. REMOVED ALS INOP NOTE "ERRNY DME MINIMUMS: FOR INOPERATIVE ALS, INCREASE S-LOC 03 CAT C/D/E VISIBILITY TO RVR 5500" - NOT NEEDED.
12. CHANGED CHART VDP AT FROM 2.12 DME TO 2.19 DME, DISTANCE VDP TO THLD FROM 0.98 NM TO 1.04NM - IAW 8260.19K 8-6-11 M.
13. REMOVED ASTERISK FROM "LOC ONLY" AND S-LOC 03 - NOT REQUIRED.
14. CHANGED EQUIPMENT REQUIREMENT NOTE FROM "ADF OR DME REQUIRED" FOR PROCEDURE ENTRY TO "DME REQUIRED" - WOOLE LOM DECOMMISSIONED, DME REQUIRED.
15. REMOVED "CHART: ASR" - NOT NEEDED.
16. CHANGED S-LOC 3 VIS FROM CAT C/D/E 5/8 TO RVR 3500 - NEW TARGETS EVALUATION.
17. CHANGED CIRCLING CAT C VIS FROM 2 TO 1 1/2 - NEW TARGETS EVALUATION.
18. ADDED CAT D TO NOTE "CIRCLING NA FOR CATS D AND E W OF RWY 18-36" - CONSISTENT ACROSS PROCEDURES.
19. CIRCLING CAT D CHANGED FROM MDA 2700/HAA 781 TO CIRCLING MDA CAT D 2580//HAA 661 - NEW TERRAIN EVALUATION, CIRCLING CAT D RESTRICTION ADDED FOR CONSISTENCY.



AIRPORT ID  
SJT

PROCEDURE NAME  
ILS OR LOC RWY 3

ORIGINAL/AMENDMENT  
23

CITY  
SAN ANGELO

STATE  
TX

COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA

OTHER: ZFW, SJT APP CON, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

ARTHUR ULVESTAD

OFFICE

AJV-A422

DATE

11/05/2025

APPROVED BY

RAKE MCGRAW

OFFICE

AJV-A422

DATE

TITLE

MANAGER



**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> SJT	<u>PROCEDURE NAME</u> ILS OR LOC RWY 3	<u>AMDT NO.</u> 23	<u>CITY</u> SAN ANGELO	<u>STATE</u> TX	<u>AIRPORT ELEVATION</u> 1919	<u>FACILITY</u> I-SJT
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**PART A: OBSTRUCTION DATA SEGMENTS**

**INITIAL: ARC**

**FROM**  
JIGEM/SJT 15.00 DME CCW

**TO**  
BONNY/SJT VORTAC 15.00 DME

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (48-025546)	310951.29N/1003807.05W	2932	250	50	4D	1000				AT168	4100
TERRAIN	311303.00N/1004618.00W	2545 (2500)								AS1500	4000

**COMPUTATIONS**

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**

**INITIAL: ARC**

**FROM**  
FELUV/SJT 15.00 DME CW

**TO**  
BONNY/SJT VORTAC 15.00 DME

RNP                      DISTANCE                      PAT                      MAP                      HAT                      HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
WINDMILL (48-023658)	310635.72N/1003914.66W	2956	250	50	4D	1000				AT144	4100
TERRAIN	310636.00N/1003915.00W	2539 (2500)								AS1500	4000

**COMPUTATIONS**

ALT      KIAS      KTAS      HAA      VKTW      TR      BA      DTA      COURSE CHANGE      DVEB      VEB OCS      RF CENTER FIX/DISTANCE

**SEGMENT REMARKS:**







**AIRPORT ID**  
SJT

**PROCEDURE NAME**  
ILS OR LOC RWY 3

**AMDT NO.**  
23

**CITY**  
SAN ANGELO

**STATE**  
TX

**AIRPORT ELEVATION**  
1919

**FACILITY**  
I-SJT

**MISSED APPROACH: ILS**

**FROM**  
DA

**TO**  
FELUV/SJT 15.00 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
1951

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				4000
AAO	311403.00N/1001927.00W	2674	215	8	4B	1000					3700
TERRAIN	311403.00N/1001927.00W	2473 (2500)								AS1500	4000

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**

**MISSED APPROACH: LOC**

**FROM**  
I-SJT 1.15 DME

**TO**  
FELUV/SJT 15.00 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
2050

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
							ASC				4000
AAO	311403.00N/1001927.00W	2674	215	8	4B	1000					3700
TERRAIN	311403.00N/1001927.00W	2473 (2500)								AS1500	4000

**COMPUTATIONS**

**ALT**    **KIAS**    **KTAS**    **HAA**    **VKTW**    **TR**    **BA**    **DTA**    **COURSE CHANGE**    **DVEB**    **VEB OCS**    **RF CENTER FIX/DISTANCE**

**SEGMENT REMARKS:**





**AIRPORT ID**  
SJT

**PROCEDURE NAME**  
ILS OR LOC RWY 3

**AMDT NO.**  
23

**CITY**  
SAN ANGELO

**STATE**  
TX

**AIRPORT ELEVATION**  
1919

**FACILITY**  
I-SJT

**PRIMARY NAVAID**  
I-SJT

**MONITOR POINT**  
ATCT

**HRS OPERATION**  
TWR OPENED  
TWR CLSD

**CAT**  
1  
3

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW09 - MIRL (PCL)	BSC-G	
RW27 - MIRL (PCL)	BSC-G	
RW18 - REIL (PCL), MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW36 - MIRL (PCL), PAPI-4L (PCL)	NPI-G	
RW03 - MALSR (PCL), HIRL (PCL)	PIR-G	APPROACH
RW21 - HIRL (PCL), VASI-4L	PIR-G	ROLL OUT

GLIDESLOPE ANGLE  
3.00

ELEV RWY THRESHOLD  
1916.4

TCH  
50.8

ELEV GS ANTENNA  
1913.1

DISTANCE FROM RWY  
1001

VGSI ANGLE

TCH

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

**5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS**

**PENETRATIONS REMARKS:**



**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

55 FT VEGETATION APPLIED PER FPT.

DESIGN TCH 50.8.

ORDER 8260.3 CHAPTER 2 APPLIED TO  
2389 TERRAIN+AAO 311657N/1003539W

ALTERNATE MISSED APPROACH NOT DEVELOPED PER FPT REQUEST.  
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #**

**ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE**

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	3.87
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	1.06
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	043.15
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	2200
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	12.10
<b>WIDTH OF</b>	INTERMEDIATE	<b>SEGMENT AT 1500FT POINT</b>	4.00
<b>TRUE COURSE OF</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	043.15
<b>HIGH TERRAIN IN</b>	INTERMEDIATE	<b>SEGMENT CONTAINING 1500FT POINT</b>	2500

**THRESHOLD COORDINATES (IF STR-IN)**

312058.93N/1002959.52W

**ARP COORDINATES**

312127.89N/1002946.70W

**RUNWAY APCH END AND DIST FURTHEST FROM ARP**

RUNWAY 36 DISTANCE 0.69 NM

**FAF COORDINATES**

311632.60N/1003450.12W

**FIX NAME COORDINATES**

**REMARKS**

NO ADDITIONAL AIRSPACE REQUIRED

**PART E: PREPARED BY**

**NAME**

ARTHUR ULVESTAD

**OFFICE**

AJV-A422

**DATE**

11/05/2025

**TITLE**

AERONAUTICAL INFORMATION SPECIALIST

