

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations 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 statute miles or feet RVR unless otherwise indicated.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
WILLISTON, FL	WILLISTON MUNI	19 JULY 2018	2A

TAKEOFF MINIMUMS:

RWY 23, 32: STANDARD.

RWY 5: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 257 FEET PER NM TO 600.

RWY 14: 300-2 OR STANDARD WITH MINIMUM CLIMB OF 205 FEET PER NM TO 500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5: CLIMB HEADING 048.90 TO 500 BEFORE PROCEEDING ON COURSE.

RWY 14: CLIMB HEADING 142.47 TO 600 BEFORE PROCEEDING ON COURSE.

RWY 23: CLIMB ON A HEADING BETWEEN 253 CW 048 FROM DEPARTURE END OF RUNWAY, OR MINIMUM CLIMB OF 249 FEET PER NM TO 1900 FOR ALL OTHER COURSES.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5: TREES BEGINNING 22 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 130 FT MSL. TREES BEGINNING 35 FT FROM DER, 300 FT RIGHT OF CENTERLINE, UP TO 120 FT MSL. TREES BEGINNING 138 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 134 FT MSL. TREES BEGINNING 346 FT FROM DER, 238 FT LEFT OF CENTERLINE, UP TO 146 FT MSL. TREES BEGINNING 384 FT FROM DER, 285 FT RIGHT OF CENTERLINE, UP TO 134 FT MSL. TREES BEGINNING 531 FT FROM DER, 187 FT LEFT OF CENTERLINE, UP TO 148 FT MSL. TREES BEGINNING 535 FT FROM DER, 46 FT RIGHT OF CENTERLINE, UP TO 144 FT MSL. TREES BEGINNING 666 FT FROM DER, 54 FT LEFT OF CENTERLINE, UP TO 150 FT MSL. TREES BEGINNING 841 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 155 FT MSL. TREES BEGINNING 1439 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 146 FT MSL. TREES BEGINNING 1570 FT FROM DER, 16 FT LEFT OF CENTERLINE, UP TO 158 FT MSL. TREES BEGINNING 1673 FT FROM DER, 7 FT RIGHT OF CENTERLINE, UP TO 152 FT MSL. TREES BEGINNING 2641 FT FROM DER, 822 FT LEFT OF CENTERLINE, UP TO 166 FT MSL. TREES BEGINNING 2831 FT FROM DER, 896 FT LEFT OF CENTERLINE, UP TO 171 FT MSL. ANTENNA 1.9 NM FROM DER, 2380 FT LEFT OF CENTERLINE, 300 FT AGL/376 FT MSL. TOWER 1.9 NM FROM DER, 2346 FT LEFT OF CENTERLINE, 324 FT AGL/448 FT MSL.

NOTE: RWY 14: NOTE: RWY 14, TREES BEGINNING 52 FT FROM DER, 448 FT RIGHT OF CENTERLINE, UP TO 95 FT MSL. TREE 58 FT FROM DER, 428 FT LEFT OF CENTERLINE, 98 FT MSL. TREES BEGINNING 58 FT FROM DER, 283 FT LEFT OF CENTERLINE, UP TO 102 FT MSL. TREE 632 FT FROM DER, 636 FT LEFT OF CENTERLINE, 103 FT MSL. TREES BEGINNING 730 FT FROM DER, 468 FT LEFT OF CENTERLINE, UP TO 125 FT MSL. TREES BEGINNING 896 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 129 FT MSL. TREES BEGINNING 1102 FT FROM DER, 221 FT RIGHT OF CENTERLINE, UP TO 131 FT MSL. TREES BEGINNING 1244 FT FROM DER, 344 FT LEFT OF CENTERLINE, UP TO 133 FT MSL. TREES BEGINNING 1613 FT FROM DER, 258 FT LEFT OF CENTERLINE, UP TO 137 FT MSL. TREE 1689 FT FROM DER, 730 FT LEFT OF CENTERLINE, 138 FT MSL. TREE 1703 FT FROM DER, 657 FT LEFT OF CENTERLINE, 140 FT MSL. TREES BEGINNING 1706 FT FROM DER, 42 FT LEFT OF CENTERLINE, UP TO 142 FT MSL. TOWER 1.7 NM FROM DER, 1090 FT RIGHT OF CENTERLINE, 260 FT AGL/326 FT MSL.

NOTE: RWY 23: VEGETATION 99 FT FROM DER, 169 FT LEFT OF CENTERLINE, 78 FT MSL. VEGETATION 489 FT FROM DER, 562 FT RIGHT OF CENTERLINE, 86 FT MSL. TREE 535 FT FROM DER, 355 FT LEFT OF CENTERLINE, 111 FT MSL. TREES BEGINNING 551 FT FROM DER, 227 FT LEFT OF CENTERLINE, UP TO 112 FT MSL. TREES BEGINNING 565 FT FROM DER, 239 FT RIGHT OF CENTERLINE, UP TO 98 FT MSL. TREE 739 FT FROM DER, 334 FT RIGHT OF CENTERLINE, 101 FT MSL. TREE 753 FT FROM DER, 569 FT RIGHT OF CENTERLINE, 109 FT MSL. TREES BEGINNING 760 FT FROM DER, 535 FT LEFT OF CENTERLINE, UP TO 134 FT MSL. TREES BEGINNING 788 FT FROM DER, 300 FT LEFT OF CENTERLINE, UP TO 139 FT MSL. TREE 803 FT FROM DER, 471 FT RIGHT OF CENTERLINE, 116 FT MSL. TREES BEGINNING 805 FT FROM DER, 264 FT RIGHT OF CENTERLINE, UP TO 121 FT MSL. TREES BEGINNING 839 FT FROM DER, 305 FT RIGHT OF CENTERLINE, UP TO 123 FT MSL. TREES BEGINNING 952 FT FROM DER, 297 FT RIGHT OF CENTERLINE, UP TO 126 FT MSL. TREES BEGINNING 1020 FT FROM DER, 416 FT RIGHT OF CENTERLINE, UP TO 135 FT MSL. TREES BEGINNING 1086 FT FROM DER, 169 FT RIGHT OF CENTERLINE, UP TO 139 FT MSL. TREES BEGINNING 1300 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 142 FT MSL. TREES BEGINNING 1329 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 145 FT MSL. TREES BEGINNING 1433 FT FROM DER, 243 FT RIGHT OF CENTERLINE, UP TO 143 FT MSL. TREES BEGINNING 1503 FT FROM DER, 429 FT RIGHT OF CENTERLINE, UP TO 147 FT MSL. TREES BEGINNING 1601 FT FROM DER, 20 FT RIGHT OF CENTERLINE, UP TO 149 FT MSL. TREE 2453 FT FROM DER, 1135 FT RIGHT OF CENTERLINE, 151 FT MSL. TREES BEGINNING 2456 FT FROM DER, 73 FT RIGHT OF CENTERLINE, UP TO 160 FT MSL. TREES BEGINNING 2527 FT FROM DER, 418 FT RIGHT OF CENTERLINE, UP TO 178 FT MSL.

QUALITY
16
CHECKED



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NOTE: RWY 32: VEGETATION 23 FT FROM DER, 314 FT LEFT OF CENTERLINE, 87 FT MSL. VEGETATION 43 FT FROM DER, 486 FT LEFT OF CENTERLINE, 88 FT MSL. VEGETATION, TREE BEGINNING 55 FT FROM DER, 247 FT LEFT OF CENTERLINE, UP TO 100 FT MSL. VEGETATION 63 FT FROM DER, 375 FT RIGHT OF CENTERLINE, 72 FT MSL. TREE 214 FT FROM DER, 550 FT RIGHT OF CENTERLINE, 85 FT MSL. TREES BEGINNING 424 FT FROM DER, 381 FT RIGHT OF CENTERLINE, UP TO 97 FT MSL. TREES BEGINNING 586 FT FROM DER, 462 FT RIGHT OF CENTERLINE, UP TO 144 FT MSL. TREES BEGINNING 762 FT FROM DER, 441 FT RIGHT OF CENTERLINE, UP TO 155 FT MSL. TREE 883 FT FROM DER, 530 FT RIGHT OF CENTERLINE, 161 FT MSL. TREES BEGINNING 892 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 169 FT MSL. TREES BEGINNING 1165 FT FROM DER, 741 FT LEFT OF CENTERLINE, UP TO 137 FT MSL. TREE 1357 FT FROM DER, 589 FT LEFT OF CENTERLINE, 139 FT MSL. TREES BEGINNING 1438 FT FROM DER, 338 FT LEFT OF CENTERLINE, UP TO 162 FT MSL. TREE 1674 FT FROM DER, 781 FT LEFT OF CENTERLINE, 170 FT MSL. TREES BEGINNING 1680 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 172 FT MSL.



CONTROLLING OBSTACLES:

RWY 5: 398 FT MSL TOWER 292336.00N/0822626.00W.

RWY 14: 326 FT MSL TOWER 291919.14N/0822704.16W.

OBSTACLES MANDATING ODP ROUTING: RWY 5: 470 FT MSL TOWER 292412.00N/0822701.00W.

OBSTACLES MANDATING ODP ROUTING: RWY 14, 23: 1439 FT MSL TOWER 291533.00N/0823402.00W.

REMARKS:

FLIGHT INSPECTED BY:

ROBERT E WILLIAMS

Digitally signed by

BEV L BORDY

Apr 18, 2018

OFFICE SYMBOL:

FICO

DATE:

04/16/2018

DEVELOPED BY:

VICTOR B. NASO (ANDRE TUCKER)

Digitally signed by

BEV L BORDY

Apr 18, 2018

OFFICE SYMBOL:

AJV-5413

DATE:

12/11/2017

APPROVED BY:

GEORGE E. DAVIS

Digitally signed by

BEV L BORDY

Apr 18, 2018

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA



OTHER:

ZJX, JAX APP CON, AMGR

CHANGES - REASONS:

1. RWY 14 ADDED CLIMB, CEILING, VISIBILITY RESTRICTIONS - NEW CONTROLLING OBSTACLE.
2. RWY 23 CHANGED TEXTUAL DEPARTURE PROCEDURE MINIMUM CLIMB FROM 248 FEET PER NM TO 249 FEET PER NM - APPLICATION OF NEW DEPARTURE CRITERIA.
3. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS - NEW TAKEOFF OBSTACLES.
4. CHANGED RWY 5 HEADING FROM 48.92 TO 48.90 - NEW SURVEY.
5. CHANGED RWY 14 HEADING FROM 142.49 TO 142.47 - NEW SURVEY.
6. UPDATED RWY 5 CONTROLLING OBSTACLE - APPLICATION OF NEW DEPARTURE CRITERIA.

