

**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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KGSO	GREENSBORO	NC	1A	25 JANUARY 2024

TAKEOFF MINIMUMS:

RWY 5L, 5R, 14, 23L, 23R, 32: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5L: POLES BEGINNING 9 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/856 FT MSL.
POLE 9 FT FROM DER, 35 FT LEFT OF CENTERLINE, 9 FT AGL/856 FT MSL.
TREE 1098 FT FROM DER, 662 FT LEFT OF CENTERLINE, 41 FT AGL/884 FT MSL.
TREE 1267 FT FROM DER, 642 FT LEFT OF CENTERLINE, 68 FT AGL/890 FT MSL.
TREE 1327 FT FROM DER, 689 FT LEFT OF CENTERLINE, 72 FT AGL/898 FT MSL.
TREES BEGINNING 1373 FT FROM DER, 543 FT LEFT OF CENTERLINE, UP TO 88 FT AGL/912 FT MSL.
TREE 2879 FT FROM DER, 1242 FT LEFT OF CENTERLINE, 54 FT AGL/927 FT MSL.
TREE 2901 FT FROM DER, 1122 FT LEFT OF CENTERLINE, 58 FT AGL/931 FT MSL.
TREE 2933 FT FROM DER, 1277 FT LEFT OF CENTERLINE, 81 FT AGL/950 FT MSL.
TREE 3081 FT FROM DER, 1314 FT LEFT OF CENTERLINE, 72 FT AGL/952 FT MSL.
TREE 3487 FT FROM DER, 1165 FT LEFT OF CENTERLINE, 82 FT AGL/958 FT MSL.
TREE 3554 FT FROM DER, 927 FT LEFT OF CENTERLINE, 122 FT AGL/972 FT MSL.
TREES BEGINNING 3564 FT FROM DER, 831 FT LEFT OF CENTERLINE, UP TO 104 FT AGL/992 FT MSL.
TREE 4181 FT FROM DER, 1499 FT LEFT OF CENTERLINE, 113 FT AGL/993 FT MSL.
TREES BEGINNING 4215 FT FROM DER, 1235 FT LEFT OF CENTERLINE, UP TO 124 FT AGL/996 FT MSL.
TREE 4240 FT FROM DER, 1102 FT RIGHT OF CENTERLINE, 116 FT AGL/963 FT MSL.
TREE 4376 FT FROM DER, 1291 FT RIGHT OF CENTERLINE, 119 FT AGL/975 FT MSL.
TREE 4482 FT FROM DER, 1505 FT RIGHT OF CENTERLINE, 116 FT AGL/981 FT MSL.
TREE 4486 FT FROM DER, 1421 FT RIGHT OF CENTERLINE, 121 FT AGL/982 FT MSL.
TREES BEGINNING 4555 FT FROM DER, 838 FT RIGHT OF CENTERLINE, UP TO 126 FT AGL/989 FT MSL.

NOTE: RWY 5R: TERRAIN 3 FT FROM DER, 499 FT RIGHT OF CENTERLINE, 891 FT MSL.
POLES BEGINNING 6 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/887 FT MSL.
TERRAIN 261 FT FROM DER, 535 FT RIGHT OF CENTERLINE, 894 FT MSL.
POLE 325 FT FROM DER, 546 FT RIGHT OF CENTERLINE, 5 FT AGL/895 FT MSL.
POLE 386 FT FROM DER, 558 FT RIGHT OF CENTERLINE, 5 FT AGL/898 FT MSL.
TREE 1125 FT FROM DER, 478 FT RIGHT OF CENTERLINE, 68 FT AGL/915 FT MSL.
TREE 1366 FT FROM DER, 526 FT RIGHT OF CENTERLINE, 57 FT AGL/923 FT MSL.
TREE 1889 FT FROM DER, 914 FT RIGHT OF CENTERLINE, 69 FT AGL/950 FT MSL.
TREE 1957 FT FROM DER, 791 FT RIGHT OF CENTERLINE, 68 FT AGL/951 FT MSL.
TREES BEGINNING 2017 FT FROM DER, 754 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/966 FT MSL.
TREES BEGINNING 2256 FT FROM DER, 581 FT RIGHT OF CENTERLINE, UP TO 109 FT AGL/988 FT MSL.
TREE 2638 FT FROM DER, 1088 FT LEFT OF CENTERLINE, 57 FT AGL/952 FT MSL.
TREE 2690 FT FROM DER, 1130 FT LEFT OF CENTERLINE, 65 FT AGL/962 FT MSL.
TREES BEGINNING 2744 FT FROM DER, 1195 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/967 FT MSL.

NOTE: RWY 14: TREES BEGINNING 182 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 29 FT AGL/908 FT MSL.
TREES BEGINNING 212 FT FROM DER, 546 FT LEFT OF CENTERLINE, UP TO 42 FT AGL/909 FT MSL.
TREE, POLES BEGINNING 566 FT FROM DER, 550 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/933 FT MSL.
ELECTRICAL SYSTEM 1102 FT FROM DER, 715 FT RIGHT OF CENTERLINE, 48 FT AGL/940 FT MSL.
TANK 2599 FT FROM DER, 1089 FT RIGHT OF CENTERLINE, 67 FT AGL/968 FT MSL.
TREE 2890 FT FROM DER, 570 FT RIGHT OF CENTERLINE, 83 FT AGL/978 FT MSL.
TREE 3035 FT FROM DER, 643 FT RIGHT OF CENTERLINE, 88 FT AGL/988 FT MSL.
TREES BEGINNING 3067 FT FROM DER, 362 FT RIGHT OF CENTERLINE, UP TO 87 FT AGL/991 FT MSL.
TREES BEGINNING 3120 FT FROM DER, 519 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/996 FT MSL.
TREES BEGINNING 4577 FT FROM DER, 1320 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/1024 FT MSL.
TREES BEGINNING 4647 FT FROM DER, 1312 FT LEFT OF CENTERLINE, UP TO 115 FT AGL/1028 FT MSL.

NOTE: RWY 23L: TREE 475 FT FROM DER, 533 FT LEFT OF CENTERLINE, 33 FT AGL/914 FT MSL.
TREES BEGINNING 775 FT FROM DER, 516 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/938 FT MSL.
TREES BEGINNING 828 FT FROM DER, 676 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/940 FT MSL.
TREE 1032 FT FROM DER, 584 FT RIGHT OF CENTERLINE, 48 FT AGL/928 FT MSL.
TREE 1269 FT FROM DER, 803 FT RIGHT OF CENTERLINE, 58 FT AGL/943 FT MSL.
TREE 1646 FT FROM DER, 471 FT LEFT OF CENTERLINE, 79 FT AGL/945 FT MSL.
TREE 1917 FT FROM DER, 338 FT RIGHT OF CENTERLINE, 89 FT AGL/949 FT MSL.



NOTE: RWY 23R: POLES BEGINNING 9 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 14 FT AGL/918 FT MSL.
POLES BEGINNING 9 FT FROM DER, 24 FT LEFT OF CENTERLINE, UP TO 14 FT AGL/917 FT MSL.
POLE 171 FT FROM DER, 539 FT LEFT OF CENTERLINE, 33 FT AGL/936 FT MSL.
TREE 753 FT FROM DER, 620 FT RIGHT OF CENTERLINE, 35 FT AGL/937 FT MSL.
TREES BEGINNING 855 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 53 FT AGL/951 FT MSL.
TREES BEGINNING 1196 FT FROM DER, 673 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/960 FT MSL.
TREE 1312 FT FROM DER, 665 FT LEFT OF CENTERLINE, 95 FT AGL/964 FT MSL.
TREES BEGINNING 1317 FT FROM DER, 616 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/967 FT MSL.
TREES BEGINNING 1346 FT FROM DER, 573 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/970 FT MSL.
TREE 1669 FT FROM DER, 861 FT RIGHT OF CENTERLINE, 61 FT AGL/961 FT MSL.

NOTE: RWY 32: TREE 10 FT FROM DER, 318 FT LEFT OF CENTERLINE, 37 FT AGL/926 FT MSL.
VEGETATION 32 FT FROM DER, 278 FT RIGHT OF CENTERLINE, 13 FT AGL/926 FT MSL.
TREE 113 FT FROM DER, 291 FT LEFT OF CENTERLINE, 39 FT AGL/929 FT MSL.
TREE 2602 FT FROM DER, 862 FT RIGHT OF CENTERLINE, 107 FT AGL/991 FT MSL.
TREE 2629 FT FROM DER, 941 FT RIGHT OF CENTERLINE, 105 FT AGL/993 FT MSL.
TREES BEGINNING 2701 FT FROM DER, 618 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/995 FT MSL.
TREES BEGINNING 2735 FT FROM DER, 701 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/1000 FT MSL.
TREES BEGINNING 2874 FT FROM DER, 638 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/1002 FT MSL.
TREES BEGINNING 3687 FT FROM DER, 290 FT RIGHT OF CENTERLINE, UP TO 118 FT AGL/1024 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:

VEGETATION HEIGHT 100 FEET.

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
ROBERT E WILLIAMS	MICHAEL GARRITY	FPO	11/30/2023
	Dec 06, 2023		

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
MICHAEL R. GARRITY JR. (DANIEL C JOHNSEN)	MICHAEL GARRITY	AJV-A423	08/17/2023
	Sep 19, 2023		

<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
MICHAEL R. GARRITY JR.	MICHAEL GARRITY	AJV-A423	01/25/2024	MANAGER
	Sep 19, 2023			

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒

OTHER: ZTL, GSO APP CON, GSO ATCT, AMGR

CHANGES - REASONS:

1. UPDATED ALL TAKEOFF OBSTACLE NOTES -- NEW VG SURVEY.