

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
TUCSON, AZ	TUCSON INTL	26 JULY 2012	5

TAKEOFF MINIMUMS:

RWY 11L, 11R, 21, 29L, 29R STANDARD.
RWY 3, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 228 FT PER NM TO 3000.

TEXTUAL DEPARTURE PROCEDURES:

RWY 3, 29L/R – CLIMBING RIGHT TURN DIRECT TO TUS VORTAC...
RWY 21 – CLIMBING LEFT TURN DIRECT TO TUS VORTAC...
RWY 11L/R – CLIMB HEADING 123.00 TO 4000 THEN CLIMBING LEFT TURN DIRECT TUS VORTAC...

...CLIMB IN TUS VORTAC HOLDING PATTERN (HOLD NW, RIGHT TURNS, 128.00 INBOUND) TO 9000 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, MULTIPLE TREES AND SIGN BEGINNING 1385 FT FROM DER, 127 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/2611 FT MSL. TREE 2062 FT FROM DER, 332 FT RIGHT OF CENTERLINE, 46 FT AGL/2626 FT MSL.

NOTE: RWY 11L, VENTS 115 FT FROM DER, 147 FT LEFT AND RIGHT OF CENTERLINE, 6 FT AGL/2646 FT MSL. MULTIPLE BUSHES BEGINNING 449 FT FROM DER, 395 FT LEFT OF CENTERLINE, UP TO 24 FT AGL/2674 FT MSL. MULTIPLE BUSHES BEGINNING 188 FT FROM DER, 328 FT RIGHT OF CENTERLINE, UP TO 13 FT AGL/2663 FT MSL.

NOTE: RWY 11R, TREE 584 FT FROM DER, 176 FT RIGHT OF CENTERLINE, 25 FT AGL/2645 FT MSL.

NOTE: RWY 21, BUSH 104 FT FROM DER, 256 FT LEFT OF CENTERLINE, 12 FT AGL/2572 FT MSL. RR 248 FT FROM DER, RIGHT TO LEFT OF CENTERLINE, 23 FT AGL/2582 FT MSL. BUSH 549 FT FROM DER, 384 FT LEFT OF CENTERLINE, 33 FT AGL/2583 FT MSL. TREE 701 FT FROM DER, 144 FT LEFT OF CENTERLINE, 37 FT AGL/2587 FT MSL. POLE 950 FT FROM DER, 166 FT LEFT OF CENTERLINE, 38 FT AGL/2588 FT MSL. POLE 1028 FT FROM DER, 89 FT LEFT OF CENTERLINE, 46 FT AGL/2599 FT MSL. POLE 1298 FT FROM DER, 594 FT LEFT OF CENTERLINE, 66 FT AGL/2616 FT MSL. ELECTRICAL SYSTEM 1445 FT FROM DER, 319 FT LEFT OF CENTERLINE, 55 FT AGL/2605 FT MSL. BUSH 141 FT FROM DER, 330 FT RIGHT OF CENTERLINE, 24 FT AGL/2574 FT MSL. BUSH 454 FT FROM DER, 138 FT RIGHT OF CENTERLINE, 26 FT AGL/2576 FT MSL. ELECTRICAL SYSTEM 1176 FT FROM DER, 37 FT RIGHT OF CENTERLINE, 48 FT AGL/2598 FT MSL.

NOTE: RWY 29L, AIRCRAFT ON RAMP 2723 FT FROM DER, 348 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2680 FT MSL.

NOTE: RWY 29R, AIRCRAFT ON RAMP 2779 FT FROM DER, 1056 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/2680 FT MSL.

CONTROLLING OBSTACLES:

RWY 3: 2831 FT MSL TOWER 320907.00N/1105533.00W

OBSTACLES MANDATING ROUTE DEVELOPMENT:

RWY 3: 4060 FT MSL AAO 321123.40N/1110317.70W, 9205 FT MSL TOWER 322629.28N/1104647.34W, 8879 FT AAO 321312.33N/1103239.09W, 9653 FT MSL AAO 314202.00N/1105034.30W.

RWY 11L/R: 9653 FT MSL AAO 314202.00N/1105034.30W, 9205 FT MSL TOWER 322629.28N/1104647.34W.

RWY 21: 4056 FT MSL AAO 321102.84N/1110338.67W, 9653 FT MSL AAO 314202.00N/1105034.30W, 9205 FT MSL TOWER 322629.28N/1104647.34W.

RWY 29L/R: 4056 FT MSL AAO 321102.84N/1110338.67W, 9205 FT MSL TOWER 322629.28N/1104647.34W, 9653 FT MSL AAO 314202.00N/1105034.30W.

REMARKS:

LACK OF RADAR COVERAGE TO THE SOUTH, ATC REQUEST AIRCRAFT TO CLIMB TO 4000 FOR RWY 11L/R DEPARTURES.

QUALITY
CHECK