

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MUDDE	TWO	MUDDE2.MUDDE	ONE	07/24/2014	26 MAY 2016

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

WILL ROGERS WORLD (KOKC)

TAKEOFF RWY 13: CLIMB HEADING 130.06 TO 1800, THEN RIGHT TURN HEADING 175.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 17L/17R: CLIMB HEADING 174.96 TO 1800, THEN HEADING 175.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 18: CLIMB HEADING 174.97 TO 1800, THEN HEADING 175.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 31: CLIMB HEADING 310.07 TO 1800, THEN HEADING 310.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 35L/35R: CLIMB HEADING 354.96 TO 1800, THEN LEFT TURN HEADING 310.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 36: CLIMB HEADING 354.97 TO 1800, THEN LEFT TURN HEADING 310.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

...ON TRACK 168.30 TO MUDDE, THEN ON (TRANSITION). MAINTAIN 5000 OR AS ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

WILEY POST (KPWA)

TAKEOFF RWY 13: CLIMB HEADING 129.95 TO 1800, THEN RIGHT TURN HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 17L: CLIMB ON HEADING 174.99 TO 1800, THEN RIGHT TURN HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 17R: CLIMB ON HEADING 175.00 TO 1800, THEN RIGHT TURN HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 31: CLIMB ON HEADING 309.95 TO 1800, THEN RIGHT TURN HEADING 335.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 35L: CLIMB ON HEADING 355.00 TO 1800, THEN LEFT TURN HEADING 335.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 35R: CLIMB ON HEADING 354.99 TO 1800, THEN LEFT TURN HEADING 335.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)

TAKEOFF RWY 3: CLIMB ON HEADING 031.21 TO 1700, THEN LEFT TURN HEADING 355.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 18: CLIMB ON HEADING 174.66 TO 1700, THEN HEADING 175.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 21: CLIMB ON HEADING 211.22 TO 1700, THEN LEFT TURN HEADING 175.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

TAKEOFF RWY 36: CLIMB ON HEADING 354.66 TO 1700, THEN HEADING 355.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO GLOPS, THENCE...

...ON TRACK 168.30 TO MUDDE, THEN ON (TRANSITION). MAINTAIN 3000 OR AS ASSIGNED BY ATC. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
MOOSE	MUDDE2.MOOSE	MUDDE	MOOSE	TRACK 168.30	37.40	8000	2900	
OLFRD	MUDDE2.OLFRD	MUDDE	OLFRD	TRACK 151.39	47.24	8000	2800	

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MUDDE	TWO	MUDDE2.MUDDE	ONE	07/24/2014	26 MAY 2016

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.
NOTE: DME/DME/IRU OR GPS REQUIRED.
NOTE: RNAV 1.

TAKEOFF MINIMUMS:

WILL ROGERS WORLD (KOKC)

RWY 13, 17L, 17R, 18, 31, 35L, 35R, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1800.

WILEY POST (KPWA)

RWY 13, 17L, 17R, 31, 35L, 35R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2100.

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)

RWY 3, 18, 21, 36: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1700.

TAKEOFF OBSTACLES NOTES:

WILL ROGERS WORLD (KOKC)

NOTE: RWY 35L, POST 48 FT FROM DER, 495 FT LEFT OF CENTERLINE, 8 FT AGL/1287 FT MSL.

NOTE: RWY 36, OBSTRUCTION LIGHT ON WINDSOCK 674 FT FROM DER, 152 FT LEFT OF CENTERLINE, 25 FT AGL/1295 FT MSL.

WILEY POST (KPWA)

NOTE: RWY 13, TOWER AND ELEVATORS BEGINNING 1451 FT FROM DER, 359 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1236 FT MSL. HANGAR 1349 FT FROM DER, 602 FT RIGHT OF CENTERLINE, 35 FT AGL/1334 FT MSL.

NOTE: RWY 17L, TREES BEGINNING 1292 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/1348 FT MSL. TANK 4592 FT FROM DER, 1222 FT LEFT OF CENTERLINE, 148 FT AGL/1478 FT MSL. TANK 1.0 NM FROM DER, 1387 FT LEFT OF CENTERLINE, 144 FT AGL/1467 FT MSL.

NOTE: RWY 17R, POLE 344 FT FROM DER, 422 FT LEFT OF CENTERLINE, 20 FT AGL/1305 FT MSL.

NOTE: RWY 35L, TREES BEGINNING 143 FT FROM DER, 516 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1321 FT MSL. SPIRE 2441 FT FROM DER, 901 FT LEFT OF CENTERLINE, 86 FT AGL/1366 FT MSL.

UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)

NOTE: RWY 3, TOWER AND ELEVATORS BEGINNING 1451 FT FROM DER, 359 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/1236 FT MSL.

NOTE: RWY 18, TREE 97 FT FROM DER, 449 FT RIGHT OF CENTERLINE, 32 FT AGL/1208 FT MSL.

NOTE: RWY 21, TREE 162 FT FROM DER, 461 FT RIGHT OF CENTERLINE, 25 FT AGL/1201 FT MSL. TREES BEGINNING 874 FT FROM DER, 484 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/1208 FT MSL. TREES BEGINNING 1211 FT FROM DER, 463 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/1210 FT MSL. LIGHT POLE 1243 FT FROM DER, 745 FT RIGHT OF CENTERLINE, 32 FT AGL/1213 FT MSL.

NOTE: RWY 36, POLES BEGINNING 700 FT FROM DER, 518 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/1215 FT MSL.

CONTROLLING OBSTACLES:

WILEY POST (KPWA)

RWY 17L: 1467 FT MSL TANK 353027.00N/0973827.00W, 1478 FT MSL TANK 353043.00N/0973829.00W.



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MUDDE	TWO	MUDDE2.MUDDE	ONE	07/24/2014	26 MAY 2016

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KOKC 5E EPOCH YR: 2010.
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: MEA/MOCA FROM GLOPS TO MUDDE, 4200/2600.

ALL AIRPORTS – CHART: TOP ALTITUDE: ASSIGNED BY ATC.

PILOT NAVIGATION AREA:

7NM ARC CENTERED ON GLOPS (IF), CW
FROM: POINT A (BEARING 123 DEGREES TO GLOPS)
TO: POINT B (BEARING 213 DEGREES TO GLOPS)
MINIMUM ALTITUDE – 4200

AIRPORTS SERVED:

WILL ROGERS WORLD
WILEY POST
UNIVERSITY OF OKLAHOMA WESTHEIMER

OKLAHOMA CITY, OK
OKLAHOMA CITY, OK
NORMAN, OK

COMMUNICATIONS:

ATIS: OKC, PWA. **AWOS/ASOS:** OUN. **CLNC DEL:** OKC. **GND CON:** OKC, PWA, OUN. **TWR:** OKC, PWA, OUN. **DEP CON:** OKC, PWA, OUN.

FIXES AND/OR NAVAIDS:

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
MUDDE	TWO	MUDDE2.MUDDE	ONE	07/24/2014	26 MAY 2016

REMARKS:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, ZFW ARTCC, OKE CITY APP CON, OKC ATCT, PWA ATCT, OUN ATCT, AMGR: OKC, PWA, OUN.

CHANGES:

1. KOUN: CHANGED ALL RWY 17/35 REFERENCES TO RWY 18/36.
2. ADDED TOP ALTITUDE NOTE TO ADDITIONAL FLIGHT DATA.

REASONS:

1. KOUN MAGVAR CHANGE.
2. AFS-400 MEMO, "TOP ALTITUDE" INTERIM GUIDANCE, DATED SEPTEMBER 26, 2014.

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
MUDDE		TWO		MUDDE2.MUDDE			ONE		07/24/2014	26 MAY 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
WILL ROGERS WORKD (KOKC)										
RW13 (AER)	352416.59N/0973657.27W	N	-	-	-	-				
1800 MSL		-	-	VA	135.06	-			CG 500 FT/NM TO 1800	
		-	-	VM	180.00	-			RIGHT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW17L (AER)	352418.58N/0973520.21W	N	-	-	-	-				
1800 MSL		-	-	VA	179.96	-			CG 500 FT/NM TO 1800	
		-	-	VM	180.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW17R (AER)	352421.42N/0973620.62W	N	-	-	-	-				
1800 MSL		-	-	VA	179.96	-			CG 500 FT/NM TO 1800	
		-	-	VM	180.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW18 (AER)	352336.76N/0973627.82W	N	-	-	-	-				
1800 MSL		-	-	VA	179.97	-			CG 500 FT/NM TO 1800	
		-	-	VM	180.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW31 (AER)	352321.98N/0973550.73W	N	-	-	-	-				
1800 MSL		-	-	VA	315.07	-			CG 500 FT/NM TO 1800	
		-	-	VM	315.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW35L (AER)	352244.49N/0973620.53W	N	-	-	-	-				
1800 MSL		-	-	VA	359.96	-			CG 500 FT/NM TO 1800	
		-	-	VM	315.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
MUDDE		TWO		MUDDE2.MUDDE			ONE		07/24/2014	26 MAY 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW35R (AER)	352241.63N/0973520.13W	N	-	-	-	-				
1800 MSL		-	-	VA	359.96	-			CG 500 FT/NM TO 1800	
		-	-	VM	315.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW36 (AER)	352306.31N/0973627.80W	N	-	-	-	-				
1800 MSL		-	-	VA	359.97	-			CG 500 FT/NM TO 1800	
		-	-	VM	315.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
WILEY POST (KPWA)										
RW13 (AER)	353206.36N/0973907.90W	N	-	-	-	-				
1800 MSL		-	-	VA	134.95	-			CG 500 FT/NM TO 2100	
		-	-	VM	205.00	-			RIGHT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW17L (AER)	353239.61N/0973843.81W	N	-	-	-	-				
1800 MSL		-	-	VA	179.99	-			CG 500 FT/NM TO 2100	
		-	-	VM	205.00	-			RIGHT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW17R (AER)	353235.86N/0973857.10W	N	-	-	-	-				
1800 MSL		-	-	VA	180.00	-			CG 500 FT/NM TO 2100	
		-	-	VM	205.00	-			RIGHT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW31 (AER)	353136.92N/0973831.82W	N	-	-	-	-				
1800 MSL		-	-	VA	314.95	-			CG 500 FT/NM TO 2100	
		-	-	VM	340.00	-			RIGHT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
MUDDE		TWO		MUDDE2.MUDDE			ONE		07/24/2014	26 MAY 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW35L (AER)	353146.40N/0973857.10W	N	-	-	-	-				
1800 MSL		-	-	VA	360.00	-			CG 500 FT/NM TO 2100	
		-	-	VM	340.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW35R (AER)*	353131.93N/0973843.79W*	N	-	-	-	-			*DISPL THLD (355 FT)	
1800 MSL		-	-	VA	359.99	-			CG 500 FT/NM TO 2100	
		-	-	VM	340.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
<u>UNIVERSITY OF OKLAHOMA WESTHEIMER (KOUN)</u>										
RW03 (AER)	351410.37N/0972832.88W	N	-	-	-	-				
1700 MSL		-	-	VA	036.21	-			CG 500 FT/NM TO 1700	
		-	-	VM	360.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW18 (AER)	351523.18N/0972823.21W	N	-	-	-	-				
1700 MSL		-	-	VA	179.66	-			CG 500 FT/NM TO 1700	
		-	-	VM	180.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW21 (AER)	351448.26N/0972759.06W	N	-	-	-	-				
1700 MSL		-	-	VA	216.22	-			CG 500 FT/NM TO 1700	
		-	-	VM	180.00	-			LEFT TURN	
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				
RW36 (AER)	351431.77N/0972822.84W	N	-	-	-	-				
1700 MSL		-	-	VA	359.66	-			CG 500 FT/NM TO 1700	
		-	-	VM	360.00	-				
GLOPS	350034.08N/0973332.96W	Y	FB	DF	-	-				

DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
MUDDE		TWO	MUDDE2.MUDDE				ONE	07/24/2014	26 MAY 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
GLOPS	350034.08N/0973332.96W	Y	-	IF	-	-			
MUDDE	345605.44N/0973254.63W	Y	FB	TF	173.30	4.50			
MUDDE	345605.44N/0973254.63W	Y	-	IF	-	-			MUDDE2.MOOSE
MOOSE	341853.07N/0972738.70W	Y	FB	TF	173.30	37.40			
MUDDE	345605.44N/0973254.63W	Y	-	IF	-	-			MUDDE2.OLFRD
OLFRD	341241.71N/0971006.00W	Y	FB	TF	156.39	47.24			