

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
SNSET	FOUR	SNSET4.SNSET	THREE	04 FEB 16	31 MAR 2016

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 13L: CLIMB HEADING 132.64 TO 1000, THEN HEADING 132.64 OR AS ASSIGNED BY ATC, MAINTAIN 3000, THENCE...

TAKEOFF RWY 13R: CLIMB HEADING 132.62 TO 1000, THEN HEADING 132.62 OR AS ASSIGNED BY ATC, MAINTAIN 3000, THENCE...

...EXPECT RADAR VECTORS TO CROSS RAMBL AT OR ABOVE 10000, THEN ON TRACK 255.23 TO SNSET, THEN ON (TRANSITION). EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TAKEOFF RWY 31L: CLIMB HEADING 312.63 TO 1000, THEN DIRECT TO CROSS NNOLN AT OR ABOVE 4000, AT OR BELOW 7000, THEN ON TRACK 246.94 TO CROSS ARILE AT OR ABOVE 5000, THENCE...

TAKEOFF RWY 31R: CLIMB HEADING 312.65 TO 1000, THEN DIRECT TO CROSS MEERZ AT OR ABOVE 4000, AT OR BELOW 7000, THEN ON TRACK 246.95 TO CROSS ARILE AT OR ABOVE 5000, THENCE...

...ON TRACK 176.74 TO CROSS XPRES AT OR BELOW 9000, THEN ON TRACK 176.74 TO CROSS RAMBL AT OR ABOVE 10000, THEN ON TRACK 255.23 TO SNSET, THEN ON (TRANSITION). MAINTAIN 10000. 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
ALIAN	SNSET4.ALIAN	SNSET	RBBIT	TRACK 269.81	24.35	10000	2500	
			FUMED	TRACK 267.84	24.91	10000	3100	
			ALIAN	TRACK 267.54	50.51	10000	3100	
BRHMA	SNSET4.BRHMA	SNSET	ROOOO	TRACK 283.50	25.34	10000	2800	
			RUFFS	TRACK 282.56	25.95	10000	2800	
			KATZZ	TRACK 282.33	71.35	10000	3000	
			BRHMA	TRACK 282.17	75.24	10000	4000	
CIKAN	SNSET4.CIKAN	SNSET	RBBIT	TRACK 269.81	24.35	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	
			CIKAN	TRACK 263.02	50.13	10000	4100	
DOSXX	SNSET4.DOSXX	SNSET	RBBIT	TRACK 269.81	24.35	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	
			DOSXX	TRACK 251.04	32.63	10000	3600	

QUALITY
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SNSET			FOUR	SNSET4.SNSET	THREE		04 FEB 16	31 MAR 2016
HUDAD	SNSET4.HUDAD	SNSET	PGLET	TRACK 306.39	31.31	10000	2600	
			MUTEE	TRACK 291.05	27.40	10000	3600	
			HUDAD	TRACK 290.86	65.86	10000	3000	
HULZE	SNSET4.HULZE	SNSET	TYGGR	TRACK 296.77	27.91	10000	2500	
			DBLSS	TRACK 288.31	26.92	10000	3600	
			HRPER	TRACK 288.18	69.24	10000	2900	
			HULZE	TRACK 285.46	37.21	10000	3200	
WSTEX	SNSET4.WSTEX	SNSET	RBBIT	TRACK 269.81	24.35	10000	2500	
			LYNDE	TRACK 261.81	24.98	10000	3100	
			WSTEX	TRACK 261.56	56.37	10000	3100	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: RNAV-CAPABLE PROPS: FILE AND EXPECT THE SWABR RNAV SID.

NOTE: ALIAN TRANSITION: ATC ASSIGNED ONLY.

NOTE: AIRCRAFT LANDING IN LUBBOCK TERMINAL AREA FILE THE BRHMA ENROUTE TRANSITION.

TAKEOFF MINIMUMS:

RWY 13L, 13R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1200. **RWY 31L, 31R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1200.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 13L, TREES, POLES AND ELECTRICAL SYSTEMS BEGINNING 844 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/541 FT MSL. CRANE 5270 FT FROM DER, 568 FT LEFT OF CENTERLINE, 130 FT AGL/630 FT MSL.

NOTE: RWY 13R, POLES AND FENCES BEGINNING 693 FT FROM DER, 601 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/501 FT MSL. SIGN 779 FT FROM DER, 669 FT LEFT OF CENTERLINE, 30 FT AGL/503 FT MSL. TREES BEGINNING 1122 FT FROM DER, 670 FT LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/514 FT MSL. SIGN 1424 FT FROM DER, 763 FT LEFT OF CENTERLINE, 45 FT AGL/516 FT MSL. ROD ON STAKE 2234 FT FROM DER, 979 FT LEFT OF CENTERLINE, 65 FT AGL/537 FT MSL.

NOTE: RWY 31L, TREES BEGINNING 327 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/501 FT MSL.

NOTE: RWY 31R, POLE 38 FT FROM DER, 501 FT LEFT OF CENTERLINE, 27 FT AGL/487 FT MSL. TREES BEGINNING 366 FT FROM DER, 552 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/530 FT MSL. POLE 1531 FT FROM DER, 719 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/521 FT MSL.

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CONTROLLING OBSTACLES:

RWY 13L: 1368 FT MSL BLDG 324648.00N/0964814.00W.
RWY 13R: 1368 FT MSL BLDG 324648.00N/0964814.00W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KDAL 3E EPOCH YR: 2020.
DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: MEA/MOCA FROM RAMBL TO SNSET, 10000/2400.
CHART: TOP ALTITUDE RWY 13L/13R: 3000; RWY 31L/31R: 10000.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT NNOLN.
CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT MEERZ.
CHART SPEED ICON MAXIMUM SPEED 240 KIAS AT ARILE.

PILOT NAVIGATION AREA:

10NM ARC CENTERED ON RAMBL (IF), CW
FROM: POINT A (BEARING 210 DEGREES TO RAMBL)
TO: POINT B (BEARING 300 DEGREES TO RAMBL)
MINIMUM ALTITUDE – 10000

AIRPORTS SERVED:

DALLAS-LOVE FIELD DALLAS, TX

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, LOVE TWR, REGIONAL DEP CON

FIXES AND/OR NAVAIDS:

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CHANGES:

1. CHANGED ALL HEADINGS, BEARINGS, TRANSITION TRACKS, AND PNA BEARINGS +3 DEGREES AND REFERENCE MAGVAR FROM KDAL 6E EPOCH YR: 1990 TO KDAL 3E EPOCH YR: 2020.

REASONS:

1. MAGVAR UPDATE FROM 6E/1990 TO 3E/2020.



DEPARTURE (DATA RECORD)

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SNSET		FOUR		SNSET4.SNSET			THREE		04 FEB 16	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW13L (AER)*	325123.36N/0965121.21W*	N	-	-	-	-			*DISPL THLD (400 FT)	
1000 MSL		-	-	VA	135.64	-			CG 500 FT/NM TO 1200	
		-	-	VM	135.64	-				
RAMBL	324149.61N/0970218.26W	Y	FB	DF	-	-	AT/ABOVE 10000			
RW13R (AER)*	325101.28N/0965144.42W*	N	-	-	-	-			*DISPL THLD (490 FT)	
1000 MSL		-	-	VA	135.62	-			CG 500 FT/NM TO 1200	
		-	-	VM	135.62	-				
RAMBL	324149.61N/0970218.26W	Y	FB	DF	-	-	AT/ABOVE 10000			
RW31L (AER)	325002.51N/0965036.30W	N	-	-	-	-				
1000 MSL		-	-	VA	315.63	-			CG 500 FT/NM TO 1200	
NNOLN	325530.54N/0965655.15W	Y	FB	DF	-	-	4000B7000	AT/BELOW 230K		
ARILE	325349.73N/0970222.10W	Y	FB	TF	249.94	4.88	AT/ABOVE 5000	AT/BELOW 240K		
XPRES	324850.44N/0970220.50W	Y	FB	TF	179.74	4.98	AT/BELOW 9000			
RAMBL	324149.61N/0970218.26W	Y	FB	TF	179.74	7.00	AT/ABOVE 10000			
RW31R (AER)	325031.36N/0965020.95W	N	-	-	-	-				
1000 MSL		-	-	VA	315.65	-			CG 500 FT/NM TO 1200	
MEERZ	325541.73N/0965618.80W	Y	FB	DF	-	-	4000B7000	AT/BELOW 230K		
ARILE	325349.73N/0970222.10W	Y	FB	TF	249.95	5.43	AT/ABOVE 5000	AT/BELOW 240K		
XPRES	324850.44N/0970220.50W	Y	FB	TF	179.74	4.98	AT/BELOW 9000			
RAMBL	324149.61N/0970218.26W	Y	FB	TF	179.74	7.00	AT/ABOVE 10000			
RAMBL	324149.61N/0970218.26W	Y	-	IF	-	-				
SNSET	323932.38N/0971513.34W	Y	FB	TF	258.23	11.14				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.ALIAN	
RBBIT	324040.95N/0974402.40W	Y	FB	TF	272.81	24.35				
FUMED	324059.54N/0981332.78W	Y	FB	TF	270.84	24.91				
ALIAN	324114.02N/0991323.24W	Y	FB	TF	270.54	50.51				

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SNSET		FOUR		SNSET4.SNSET			THREE		04 FEB 16	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.BRHMA	
ROOOO	324641.66N/0974402.22W	Y	FB	TF	286.50	25.34				
RUFFS	325336.50N/0981343.40W	Y	FB	TF	285.56	25.95				
KATZZ	331203.68N/0993543.82W	Y	FB	TF	285.33	71.35				
BRHMA	333117.03N/1010235.41W	Y	FB	TF	285.17	75.24				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.CIKAN	
RBBIT	324040.95N/0974402.40W	Y	FB	TF	272.81	24.35				
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98				
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37				
CIKAN	322900.00N/1001900.00W	Y	FB	TF	266.02	50.13				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.DOSXX	
RBBIT	324040.95N/0974402.40W	Y	FB	TF	272.81	24.35				
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98				
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37				
DOSXX	322338.17N/0995655.90W	Y	FB	TF	254.04	32.63				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.HUDAD	
PGLET	325923.62N/0974359.79W	Y	FB	TF	309.39	31.31				
MUTEE	331031.45N/0981348.54W	Y	FB	TF	294.05	27.40				
HUDAD	333652.04N/0992555.62W	Y	FB	TF	293.86	65.86				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.HULZE	
TYGGR	325322.14N/0974359.79W	Y	FB	TF	299.77	27.91				
DBLSS	330306.71N/0981350.16W	Y	FB	TF	291.31	26.92				
HRPER	332746.50N/0993100.93W	Y	FB	TF	291.18	69.24				
HULZE	333927.59N/1001318.11W	Y	FB	TF	288.46	37.21				
SNSET	323932.38N/0971513.34W	Y	-	IF	-	-			SNSET4.WSTEX	
RBBIT	324040.95N/0974402.40W	Y	FB	TF	272.81	24.35				

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SNSET		FOUR		SNSET4.SNSET		THREE		04 FEB 16	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
LYNDE	323821.57N/0981329.77W	Y	FB	TF	264.81	24.98			
WSTEX	323242.98N/0991953.04W	Y	FB	TF	264.56	56.37			

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