

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

LONE STAR EXECUTIVE (KCXO)
TAKEOFF Rwy 1: CLIMB ON HEADING 012.16 TO 760, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 14: CLIMB ON HEADING 140.48 TO 760, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 19: CLIMB ON HEADING 192.17 TO 760, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 32: CLIMB ON HEADING 320.48 TO 760, EXPECT RADAR VECTORS TO KARRR, THENCE...

RWJ AIRPARK (K54T)
TAKEOFF Rwy 8: CLIMB ON HEADING 084.03 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 14: CLIMB ON HEADING 142.55 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 26: CLIMB ON HEADING 264.03 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 32: CLIMB ON HEADING 322.55 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...

CLEVELAND MUNI (K6R3)
TAKEOFF Rwy 16: CLIMB ON HEADING 156.75 TO 1400, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 34: CLIMB ON HEADING 336.75 TO 2000, EXPECT RADAR VECTORS TO KARRR, THENCE...
HOUSTON-SOUTHWEST (KAXH)
TAKEOFF Rwy 9: CLIMB ON HEADING 089.24 TO 2000, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 27: CLIMB ON HEADING 269.24 TO 2200, EXPECT RADAR VECTORS TO KARRR, THENCE...

DAVID WAYNE HOOKS MEMORIAL (KDWL)
TAKEOFF Rwy 17R: CLIMB ON HEADING 167.76 TO 660, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 35L: CLIMB ON HEADING 347.76 TO 660, EXPECT RADAR VECTORS TO KARRR, THENCE...
ELLINGTON (KEFD)
TAKEOFF Rwy 4: CLIMB ON HEADING 038.85 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 17L: CLIMB ON HEADING 173.85 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 17R: CLIMB ON HEADING 173.84 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 22: CLIMB ON HEADING 218.86 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 35L: CLIMB ON HEADING 353.84 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 35R: CLIMB ON HEADING 353.85 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...

SCHOLES INTL AT GALVESTON (KGLS)
TAKEOFF Rwy 14: CLIMB ON HEADING 138.11 TO 520, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 18: CLIMB ON HEADING 178.86 TO 520, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 32: CLIMB ON HEADING 318.12 TO 520, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 36: CLIMB ON HEADING 358.86 TO 520, EXPECT RADAR VECTORS TO KARRR, THENCE...

BAYTOWN (KHPY)
TAKEOFF Rwy 14: CLIMB ON HEADING 139.75 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 32: CLIMB ON HEADING 319.75 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...



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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

WEST HOUSTON (KIWS)

TAKEOFF Rwy 15: CLIMB ON HEADING 149.68 TO 620, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 33: CLIMB ON HEADING 329.68 TO 620, EXPECT RADAR VECTORS TO KARRR, THENCE...

TEXAS GULF COAST RGNL (KLBX)

TAKEOFF Rwy 17: CLIMB ON HEADING 174.93 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 35: CLIMB ON HEADING 354.93 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...

PEARLAND RGNL (KLVJ)

TAKEOFF Rwy 14: CLIMB ON HEADING 141.67 TO 1600, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 32: CLIMB ON HEADING 321.67 TO 900, EXPECT RADAR VECTORS TO KARRR, THENCE...

SUGAR LAND RGNL (KSGR)

TAKEOFF Rwy 17: CLIMB ON HEADING 170.28 TO 1500, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 35: CLIMB ON HEADING 350.28 TO 1100, EXPECT RADAR VECTORS TO KARRR, THENCE...

CHAMBERS COUNTY (KT00)

TAKEOFF Rwy 12: CLIMB ON HEADING 123.74 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 30: CLIMB ON HEADING 303.74 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...

LA PORTE MUNI (KT41)

TAKEOFF Rwy 5: CLIMB ON HEADING 046.34 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 12: CLIMB ON HEADING 121.17 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 23: CLIMB ON HEADING 226.35 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 30: CLIMB ON HEADING 301.18 TO 540, EXPECT RADAR VECTORS TO KARRR, THENCE...

LIBERTY MUNI (KT78)

TAKEOFF Rwy 16: CLIMB ON HEADING 160.77 TO 1700, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 34: CLIMB ON HEADING 340.78 TO 1000, EXPECT RADAR VECTORS TO KARRR, THENCE...

HOUSTON EXECUTIVE (KTHE)

TAKEOFF Rwy 18: CLIMB ON HEADING 175.25 TO 680, EXPECT RADAR VECTORS TO KARRR, THENCE...
TAKEOFF Rwy 36: CLIMB ON HEADING 355.25 TO 680, EXPECT RADAR VECTORS TO KARRR, THENCE...

...ON TRACK 218.32 TO KAVCY, THEN ON (TRANSITION), MAINTAIN 4000 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
CORPUS CHRISTI	KARRR3.CRP	KAVCY	SKUBA	TRACK 245.55	18.31	7800	1500	
		SKUBA	PSX VORTAC	TRACK 221.55	37.41	12000	2600	
		PSX VORTAC	YOMOM	TRACK 219.02	64.42	12000	1800	
		YOMOM	CRP VORTAC	TRACK 247.38	16.51	12000	1500	

QUALITY
4

CHECKED

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
KARRR	THREE		KARRR3.KARRR	TWO	09/18/14	5 MAR 2015
WWREN	KARRR3.WWREN	KAVCY	RIIGG	25.01	9200	1700
		RIIGG	WWREN	52.68	12000	2100
TRUAX	KARRR3.NGP	KAVCY	RIIGG	25.01	9200	1700
		RIIGG	NGP VORTAC	114.85	12000	1700
PALACIOS	KARRR3.PSX	KAVCY	SKUBA	18.31	7800	1500
		SKUBA	PSX VORTAC	37.41	12000	2600
YOMOM	KARRR3.YOMOM	KAVCY	SKUBA	18.31	7800	1500
		SKUBA	PSX VORTAC	37.41	12000	2600
		PSX VORTAC	YOMOM	64.42	12000	1800

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

PROCEDURAL DATA NOTES

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

TAKEOFF MINIMUMS:

RWJ AIRPARK (K54T)
RWY 8, 26 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.
RWY 14, 32 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540 – NA AT NIGHT.

CLEVELAND MUNI (K6R3)
RWY 16, 34 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 660.

HOUSTON-SOUTHWEST (KAXH)
RWY 9, 27 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 580.

LONE STAR EXECUTIVE (KCXO)
RWY 1, 14, 19, 32 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 760.

DAVID WAYNE HOOKS MEMORIAL (KDWL)
RWY 17L, 35R, NA-ENVIRONMENTAL.
WATERWAY 17, 35, NA-AIR TRAFFIC.
RWY 17R, 35L STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 660.

ELLINGTON (KEFD)
RWY 4, 17R, 17L, 22, 35R, 35L STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SCHOLES INTL AT GALVESTON (KGLS)
RWY 14, 18, 32, 36 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 520.

BAYTOWN (KHPY)
RWY 14, 32 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

WEST HOUSTON (KIWS)
RWY 15, 33 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 620.

TEXAS GULF COAST RGNL (KLBX)
RWY 17, 35 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

PEARLAND RGNL (KLVJ)
RWY 14, 32 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 560.

SUGAR LAND RGNL (KSGR)
RWY 17, 35 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600.

CHAMBERS COUNTY (KT00)
RWY 17, 35, NA-ENVIRONMENTAL.
RWY 12, 30 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

LA PORTE MUNI (KT41)
RWY 5, 12, 23, 30 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 540.

LIBERTY MUNI (KT78)
RWY 16, 34 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 580.

HOUSTON EXECUTIVE (KTME)
RWY 18, 36 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 680.

TAKEOFF OBSTACLES NOTES:

RWJ AIRPARK (K54T)
NOTE: RWY 8: TREES BEGINNING 21 FT FROM DER, 152 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/129 FT MSL. VEHICLE ON ROAD BEGINNING 100 FT FROM DER, CROSSING CENTERLINE. UP TO 15 FT AGL/44 FT MSL. FENCE BEGINNING ABEAM DER, 115 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/35 FT MSL. TREES BEGINNING 133 FT FROM DER, 333 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/129 FT MSL. BUILDINGS BEGINNING 266 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/59 FT MSL. POWER LINES BEGINNING 356 FT FROM DER, 460 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/61 FT MSL. POLE 663 FT FROM DER, 188 FT RIGHT OF CENTERLINE, 100 FT AGL/129 FT MSL. **NOTE: RWY 14:** VEHICLE ON ROAD BEGINNING 10 FT FROM DER, CROSSING CENTERLINE, UP TO 15 FT AGL/44 FT MSL. BUILDINGS BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/59 FT MSL. TREES BEGINNING 30 FT FROM DER, CROSSING CENTERLINE, UP TO 100 FT AGL/129 FT MSL. POWER LINES BEGINNING 341 FT FROM DER, CROSSING CENTERLINE, UP TO 32 FT AGL/61 FT MSL. **NOTE: RWY 26:** BUILDINGS BEGINNING 47 FT FROM DER, 118 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/64 FT MSL. BUILDINGS BEGINNING 187 FT FROM DER, 85 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/64 FT MSL. POWER LINES BEGINNING 407 FT FROM DER, CROSSING CENTERLINE, UP TO 32 FT AGL/66 FT MSL. VEHICLE ON ROAD BEGINNING 448 FT FROM DER, CROSSING CENTERLINE, UP TO 15 FT AGL/49 FT MSL. TREES BEGINNING 619 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/134 FT MSL. QUARRY EQUIPMENT 2800 FT FROM DER, 193 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/134 FT MSL. **NOTE: RWY 32:** VEHICLE ON ROAD BEGINNING 10 FT FROM DER, CROSSING CENTERLINE, UP TO 15 FT AGL/49 FT MSL. FENCE BEGINNING 30 FT FROM DER, CROSSING CENTERLINE, UP TO 6 FT AGL/40 FT MSL. BUILDINGS BEGINNING 29 FT FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/64 FT MSL. BUILDINGS BEGINNING 31 FT

CHECKED

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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/64 FT MSL. POWERLINES BEGINNING 259 FT FROM DER, 139 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/66 FT MSL. TREES BEGINNING 620 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/139 FT MSL.

CLEVELAND MUNI: (K6R3)

NOTE: RWY 16, TREES BEGINNING ABEAM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 100 FT AGL/239 FT MSL.

NOTE: RWY 34, TREES BEGINNING 120 FT FROM DER, 243 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/259 FT MSL. TREES AND POLES BEGINNING 225 FT FROM DER, 363 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/220 FT MSL. VEHICLES ON ROAD 738 FT FROM DER, RIGHT AND LEFT OF CENTERLINE, UP TO 19 FT AGL/169 FT MSL.

HOUSTON-SOUTHWEST: (KAXH)

NOTE: RWY 9, MULTIPLE HANGARS BEGINNING 239 FT FROM DER, 360 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/106 FT MSL. MULTIPLE TREES BEGINNING 501 FT FROM DER, 355 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/111 FT MSL. MULTIPLE HANGARS BEGINNING 119 FT FROM DER, 498 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/105 FT MSL. POLE 332 FT FROM DER, 299 FT LEFT OF CENTERLINE, 43 FT AGL/97 FT MSL. ANTENNA 1172 FT FROM DER, 658 FT LEFT OF CENTERLINE, 51 FT AGL/115 FT MSL. MULTIPLE TREES BEGINNING 558 FT FROM DER, 68 FT LEFT OF CENTERLINE. UP TO 58 FT AGL/122 FT MSL.

NOTE: RWY 27, MULTIPLE TREES BEGINNING 1050 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/140 FT MSL. VEHICLE ON ROAD 99 FT FROM DER, 291 FT RIGHT OF CENTERLINE, 15 FT AGL/83 FT MSL. MULTIPLE TREES BEGINNING 873 FT FROM DER, 514 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/130 FT MSL. MULTIPLE TRANSMISSION POLES BEGINNING 1304 FT FROM DER, 131 FT RIGHT OF CENTERLINE, UP TO 41 FT AGL/110 FT MSL.

LONE STAR EXECUTIVE (KCXO)

NOTE: RWY 1, TREES BEGINNING 194 FT FROM DER, 130 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/374 FT MSL. TREES BEGINNING 817 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/359 FT MSL.

NOTE: RWY 14, TREES AND OBSTRUCTION LIGHT ON DME BEGINNING 399 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/329 FT MSL. TREES BEGINNING 640 FT FROM DER, 408 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/329 FT MSL.

NOTE: RWY 19, TREES BEGINNING 68 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/344 FT MSL. TREES BEGINNING 1 FT FROM DER, 159 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/339 FT MSL.

NOTE: RWY 32, TREES BEGINNING 1785 FT FROM DER, 973 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/339 FT MSL. TREES AND VEHICLES ON ROAD BEGINNING 603 FT FROM DER, 458 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/354 FT MSL.

DAVID WAYNE HOOKS MEMORIAL: (KDWH)

NOTE: RWY 17R, MULTIPLE TREES BEGINNING 708 FT FROM DER, 68 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/220 FT MSL. MULTIPLE HANGARS BEGINNING 433 FT FROM DER, 515 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/182 FT MSL. DME ANTENNA 653 FT FROM DER, 256 FT LEFT OF CENTERLINE, 13 FT AGL/162 FT MSL. MULTIPLE TREES AND POLE BEGINNING 85 FT FROM DER, 294 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/189 FT MSL.

NOTE: RWY 35L, MULTIPLE TREES AND POLES BEGINNING 144 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/238 FT MSL. MULTIPLE HANGARS AND BUILDINGS BEGINNING 85 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 53 FT AGL/202 FT MSL. MULTIPLE TREES, TOWERS, AND POLES BEGINNING 100 FT FROM DER, 124 FT RIGHT OF CENTERLINE, UP TO 93 FT AGL/247 FT MSL. VEHICLE AND ROAD 315 FT FROM DER, ON CENTERLINE, 15 FT AGL/166 FT MSL. BUILDING 894 FT FROM DER, 231 FT RIGHT OF CENTERLINE, 23 FT AGL/173 FT MSL.

ELLINGTON: (KEFD)

NOTE: RWY 4, TREE 1526 FT FROM DER, 737 FT RIGHT OF CENTERLINE, 39 FT AGL/69 FT MSL.

NOTE: RWY 17R, POLE 1488 FT FROM DER, 817 FT RIGHT OF CENTERLINE, 40 FT AGL/74 FT MSL.

NOTE: RWY 22, OL ON GS AND EQUIPMENT 321 FT FROM DER, 544 FT LEFT OF CENTERLINE, 39 FT AGL/68 FT MSL. SIGN 213 FT FROM DER, 472 FT RIGHT OF CENTERLINE, 6 FT AGL/32 FT MSL. ANTENNA ON BUILDING 1998 FT FROM DER, 598 FT RIGHT OF CENTERLINE, 54 FT AGL/83 FT MSL. OBSTRUCTION LIGHT ON COMM EQUIPMENT AND ANTENNA 1626 FT FROM DER, 837 FT RIGHT OF CENTERLINE, 88 FT AGL/114 FT MSL. OL ON WATER TOWER AND TANK 6114 FT FROM DER, 1635 FT RIGHT OF CENTERLINE, 159 FT AGL/192 FT MSL.

NOTE: RWY 35R, TREE 1597 FT FROM DER, 32 FT LEFT OF CENTERLINE, 50 FT AGL/80 FT MSL. TANK 2639 FT FROM DER, 1157 FT RIGHT OF CENTERLINE, 77 FT AGL/109 FT MSL.

NOTE: RWY 35L, TREES BEGINNING 1119 FT FROM DER, 679 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/77 FT MSL. CRANE 2353 FT FROM DER, 1024 FT LEFT OF CENTERLINE, 58 FT AGL/97 FT MSL.

4
CHECKED

**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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SCHOLES INTL AT GALVESTON: (KGLS)

NOTE: RWY 14, BUILDING 2614 FT FROM DER, 376 FT RIGHT OF CENTERLINE, 76 FT AGL/81 FT MSL.

NOTE: RWY 18, BUILDINGS BEGINNING 2560 FT FROM DER, 284 FT LEFT OF CENTERLINE, UP TO 121 FT AGL/178 FT MSL. T-L TOWER 636 FT FROM DER, 551 FT RIGHT OF CENTERLINE, 55 FT AGL/60 FT MSL. TREES AND POLES BEGINNING 50 FT FROM DER, 75 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/65 FT MSL.

NOTE: RWY 32, CRANE 4434 FT FROM DER, 1081 FT LEFT OF CENTERLINE, 131 FT AGL/ 131 FT MSL.

NOTE: RWY 36, BUSH 419 FT FROM DER, 577 FT LEFT OF CENTERLINE, 12 FT AGL/17 FT MSL. TREE 526 FT FROM DER, 371 FT LEFT OF CENTERLINE, 14 FT AGL/19 FT MSL. TREES BEGINNING 713 FT FROM DER, 383 FT RIGHT OF CENTERLINE, UP TO 27 FT AGL/32 FT MSL.

BAYTOWN: NOTE: (KHPY)

NOTE: RWY 14, MULTIPLE TREES, POWER POLES, AND HOUSES BEGINNING AT DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/89 FT MSL. VEHICLE 187 FT FROM DER, 47 FT RIGHT OF CENTERLINE, 15 FT AGL/44 FT MSL. TOWER 4066 FT FROM DER, 1217 FT RIGHT OF CENTERLINE, 156 FT AGL/180 FT MSL.

NOTE: RWY 32, VEHICLE 53 FT FROM DER, 23 FT RIGHT OF CENTERLINE, 15 FT AGL/49 FT MSL. BUILDINGS BEGINNING 104 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/59 FT MSL. TREES BEGINNING 116 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60 FT AGL/94 FT MSL.

WEST HOUSTON: (KIWS)

NOTE: RWY 15, ROAD AND VEHICLE BEGINNING 74 FT FROM DER, 60 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/123 FT MSL. ROAD AND VEHICLE BEGINNING 342 FT FROM DER, 6 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/123 FT MSL. BUILDING 177 FT FROM DER, 398 FT LEFT OF CENTERLINE, 18 FT AGL/126 FT MSL. LIGHT POLE 942 FT FROM DER, 453 FT RIGHT OF CENTERLINE, 39 FT AGL/145 FT MSL. TREES BEGINNING 307 FT FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/165 MSL TREES BEGINNING 130 FT FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/208 FT MSL.

NOTE: RWY 33, TREES BEGINNING 168 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 70 FT AGL/179 FT MSL. TREES BEGINNING 66 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/184 FT MSL.

TEXAS GULF COAST RGNL: (KLBX)

NOTE: RWY 35, TREE 1510 FT FROM DER, 721 FT LEFT OF CENTERLINE, 48 FT AGL/68 FT MSL.

PEARLAND RGNL: (KLVJ)

NOTE: RWY 14, MULTIPLE TREES BEGINNING 199 FT FROM DER, 226 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/100 FT MSL. VEHICLE ON ROAD 398 FT FROM DER, 405 FT LEFT OF CENTERLINE, 9 FT AGL/55 FT MSL. TREES 1287 FT FROM DER, 453 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/90 FT MSL.

NOTE: RWY 32, MULTIPLE TREES BEGINNING 690 FT FROM DER, 81 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/128 FT MSL. MULTIPLE POLES BEGINNING 745 FT FROM DER, 24 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/80 FT MSL. MULTIPLE TREES AND POLES BEGINNING 29 FT FROM DER, 11 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/104 FT MSL. BLDG 237 FT FROM DER, 520 FT RIGHT OF CENTERLINE, 32 FT AGL/72 FT MSL.

SUGAR LAND RGNL: (KSGR)

NOTE: RWY 17, MULTIPLE POLES BEGINNING 436 FT FROM DER, 172 FT RIGHT OF CENTERLINE, UP TO 44 FT AGL/124 FT MSL. RAILROAD 110 FT FROM DER, 10 FT LEFT OF CENTERLINE, 23 FT AGL/104 FT MSL. MULTIPLE POLES BEGINNING 135 FT FROM DER, 270 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/ 111 FT MSL. BUILDING 1036 FT FROM DER, 743 FT RIGHT OF CENTERLINE, 26 FT AGL/102 FT MSL.

NOTE: RWY 35, VEHICLE AND ROAD 65 FT FROM DER , 2 FT RIGHT OF CENTERLINE, 15 FT AGL/ 96 FT MSL. MULTIPLE TREES BEGINNING 37 FT FROM DER , 275 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/164 FT MSL. DME ANTENNA 380 FT FROM DER , 253 FT RIGHT OF CENTERLINE, 24 FT AGL/100 FT MSL. MULTIPLE TREES BEGINNING 83 FT FROM DER , 65 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/155 FT MSL.

CHAMBERS COUNTY: (KT00)

NOTE: RWY 12, VEHICLES ON ROADWAY BEGINNING 19 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/34 FT MSL. TREES BEGINNING 986 FT FROM DER, 732 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/119 FT MSL.

NOTE: RWY 30, TREES BEGINNING 60 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/124 FT MSL. VEHICLES ON ROADWAY 121 FT FROM DER, 512 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/36 FT MSL. TOWER 2152 FT FROM DER, 593 FT RIGHT OF CENTERLINE 60 FT AGL/83 FT MSL.

QUALITY
4
CHECKED

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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

LA PORTE MUNI: (KT41)

NOTE: RWY 5: TREES BEGINNING 334 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67 FT AGL/91 FT MSL. POLES BEGINNING 973 FT FROM DER, 387 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/64 FT MSL. BUILDINGS BEGINNING 319 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 FT AGL/54 FT MSL. STACK 2.3 NM FROM DER, 3296 FT LEFT OF CENTERLINE, 300 FT AGL/334 FT MSL.

NOTE: RWY 12: POLES BEGINNING 127 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 54 FT AGL/74 FT MSL. TREES BEGINNING 183 FT FROM DER, 446 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/60 FT MSL. BUILDING 675 FT FROM DER, 411 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/55 FT MSL. TREES BEGINNING 888 FT FROM DER, 113 FT RIGHT OF CENTERLINE, UP TO 43 FT AGL/63 FT MSL.

NOTE: RWY 23: BUILDINGS BEGINNING 30 FT FROM DER, 242 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/54 FT MSL. BUILDINGS BEGINNING 231 FT FROM DER, 134 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/54 FT MSL. TREES BEGINNING 243 FT FROM DER, 494 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/91 FT MSL. POLES BEGINNING 363 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 40 FT AGL/64 FT MSL. VEHICLE ON ROAD BEGINNING 493 FT FROM DER, 562 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/39 FT MSL. TREES BEGINNING 573 FT FROM DER, 292 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/91 FT MSL. TREES BEGINNING 1123 FT FROM DER, 69 FT RIGHT OF CENTERLINE, UP TO 67 FT AGL/91 FT MSL.

NOTE: RWY 30: TREES BEGINNING 44 FT FROM DER, 331 FT RIGHT OF CENTERLINE, UP TO 51 FT AGL/71 FT MSL. POLE 114 FT FROM DER, 500 FT LEFT OF CENTERLINE, 37 FT AGL/60 FT MSL. BUILDINGS BEGINNING 334 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/50 FT MSL. TREES BEGINNING 367 FT FROM DER, 471 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/57 FT MSL. BUILDING 669 FT FROM DER, 415 FT RIGHT OF CENTERLINE, 30 FT AGL/55 FT MSL. POLES BEGINNING 768 FT FROM DER, 427 FT RIGHT OF CENTERLINE, UP TO 50 FT AGL/74 FT MSL. TREES BEGINNING 1048 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67 FT AGL/87 FT MSL.

LIBERTY MUNI: (KT78)

NOTE: RWY 16: HANGARS BEGINNING 4 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/91 FT MSL. TREE 273 FT FROM DER, 401 FT RIGHT OF CENTERLINE, 28 FT AGL/96 FT MSL. TREES BEGINNING 1067 FT FROM DER, 122 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/146 FT MSL. TREES AND POLES BEGINNING 1166 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 85 FT AGL/155 FT MSL.

NOTE: RWY 34: TREES BEGINNING 176 FT FROM DER, 262 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/117 FT MSL. POLES BEGINNING 427 FT FROM DER, 318 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/105 FT MSL. POLES BEGINNING 451 FT FROM DER, 236 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/106 FT MSL. TREES BEGINNING 758 FT FROM DER, 101 FT RIGHT OF CENTERLINE, UP TO 101 FT AGL/166 FT MSL. TREES BEGINNING 1953 FT FROM DER, 40 FT LEFT OF CENTERLINE, UP TO 96 FT AGL/161 FT MSL.

HOUSTON EXECUTIVE: (KTME)

NOTE: RWY 36: POWER POLES FROM LEFT TO RIGHT BEGINNING 703 FT FROM DER, 623 FT LEFT TO 685 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/196 FT MSL.

CONTROLLING OBSTACLES:

CLEVELAND MUNI (K6R3)

RWY 16: 2049 FT MSL TOWER 301351.00N/0950726.00W.

RWY 34: 2049 FT MSL TOWER 303207.00N/0950105.00W.

HOUSTON-SOUTHWEST (KAXH)

RWY 9, 27: 2049 FT MSL TOWER 293341.00N/0953005.00W.

PEARLAND RGNL (KLVJ)

RWY 14, 32: 1200 FT MSL TOWER 292757.00N/0951324.00W.

SUGAR LAND RGNL (KSGR)

RWY 17: 2049 FT MSL TOWER 293415.70N/0953038.30W.

RWY 35: 2049 FT MSL TOWER 293435.00N/0953037.00W.

LIBERTY MUNI (KT78)

RWY 16, 34: 2049 FT MSL TOWER 300102.20N/0943247.89W.



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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KCXO 5E EPOCH YR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0)

LONE STAR EXECUTIVE (KCXO) – CHART: TOP ALTITUDE 4000
RWJ AIRPARK (K54T) – CHART: TOP ALTITUDE 4000
CLEVELAND MUNI (K6R3) – CHART: TOP ALTITUDE 4000
HOUSTON-SOUTHWEST (KAXH) – CHART: TOP ALTITUDE 4000
DAVID WAYNE HOOKS MEMORIAL (KDWH) – CHART: TOP ALTITUDE 4000
ELLINGTON (KEFD) – CHART: TOP ALTITUDE 4000
SCHOLLES INTL AT GALVESTON (KGLS) – CHART: TOP ALTITUDE 4000
BAYTOWN (KHPY) – CHART: TOP ALTITUDE 4000
WEST HOUSTON (KIWS) – CHART: TOP ALTITUDE 4000
TEXAS GULF COAST RGNL (KLBX) – CHART: TOP ALTITUDE 4000
PEARLAND RGNL (KLVJ) – CHART: TOP ALTITUDE 4000
SUGAR LAND RGNL (KSGR) – CHART: TOP ALTITUDE 4000
CHAMBERS COUNTY (KT00) – CHART: TOP ALTITUDE 4000
LA PORTE MUNI (KT41) – CHART: TOP ALTITUDE 4000
LIBERTY MUNI (KT78) – CHART: TOP ALTITUDE 4000
HOUSTON EXECUTIVE (KTME) – CHART: TOP ALTITUDE 4000

CHART: MEA/MOCA FROM KARRR TO KAVCY, 4200/2100.

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON KARRR (IF), CW
FROM: POINT A (BEARING 173 DEGREES TO KARRR)
TO: POINT B (BEARING 263 DEGREES TO KARRR)
MINIMUM ATC ALTITUDE AT KARRR - 3000
MAXIMUM ATC ALTITUDE AT KARRR – 16000

CHART: DEPARTURE FREQUENCIES: CXO/6R3/T78 – 119.7/281.4; AXH/IWS/SGR/TME – 123.8/257.7; EFD/GLS/HPY/LBX/LVJ/54T/T00/T41 – 134.45/284.0; DWH – DEPARTING RWYS 17L/R DEPARTURE FREQUENCY 123.8/257.7; DEPARTING RWYS 35L/R DEPARTURE FREQUENCY 119.7/281.4.

AIRPORTS SERVED:

LONE STAR EXECUTIVE
RWJ AIRPARK
CLEVELAND MUNI
HOUSTON-SOUTHWEST
DAVID WAYNE HOOKS MEMORIAL
ELLINGTON

HOUSTON, TX
BAYTOWN, TX
CLEVELAND, TX
HOUSTON, TX
HOUSTON, TX
HOUSTON, TX



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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015
SCHOLES INTL AT GALVESTON					
BAYTOWN		GALVESTON, TX			
WEST HOUSTON		BAYTOWN, TX			
TEXAS GULF COAST RGNL		HOUSTON, TX			
PEARLAND RGNL		ANGLETON/LAKE JACKSON, TX			
SUGAR LAND RGNL		HOUSTON, TX			
CHAMBERS COUNTY		HOUSTON, TX			
LA PORTE MUNI		ANAHUAC, TX			
LIBERTY MUNI		LA PORTE, TX			
HOUSTON EXECUTIVE		LIBERTY, TX			
		HOUSTON, TX			

COMMUNICATIONS:

ATIS: EFD, CXO, DWH, SGR, AXH, TME, GLS, LBX, 6R3, LVJ. CLNC DEL: CXO, DWH, SGR, AXH, TME, IWS, GLS, LBX, T41, LVJ. GND CON: EFD, CXO, DWH, SGR, GLS. TWR: EFD, CXO, DWH, SGR, GLS. CTAF: CXO, DWH, SGR, AXH, TME, IWS, GLS, LBX, T41, 54T, 6R3, HPY, LVJ, T00, T78. DEP CON: CXO/6R3/T78 – 119.7/281.4, AXH/IWS/SGR/TME – 123.8/257.7, EFD/GLS/HPY/LBX/LVJ/54T/T00/T41 – 134.45/284.0. DWH – DEPARTING RWYS 17L/R DEPARTURE FREQUENCY 123.8/257.7, DEPARTING RWYS 35L/R DEPARTURE FREQUENCY 119.7/281.4.

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
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

CHANGES:

1. CHANGED ALL REFERENCE OF JAWNS TO RIIGG.
2. DELETED ALTITUDE AT OR BELOW 16000 AT KARRR FROM DP ROUTE DESCRIPTION.
3. ADDED DEPARTURE FREQUENCIES: CXO/6R3/T78 – 119.7/281.4; AXH/WS/SGR/TME – 123.8/257.7; EFD/GLS/HPY/LBX/LVJ/54T/T00/T41 – 134.45/284.0; DWH – DEPARTING RWY; 17L/R DEPARTURE FREQUENCY 123.8/257.7; DEPARTING RWYS 35L/R DEPARTURE FREQUENCY 119.7/281.4 TO ADDITIONAL FLIGHT DATA.
4. CHANGED ALL REFERENCE OF KARRR 2 TO KARRR 3.
5. CHANGED KGLS HEADINGS TO: 138.11, 178.86, 358.86, 318.12.
6. CHANGED KHPY HEADINGS TO: 139.75, 319.75.
7. CHANGED KLVJ HEADINGS TO: 141.67 AND 321.67.
8. CHANGED KTME HEADINGS TO: 175.25 AND 355.25.

REASONS:

- 1-4. ATC REQUEST.
- 5-8. USED INDIVIDUAL AIRPORT MAGVARS (KGLS - 2E, KHPY - 3E, KLVJ - 3E AND KTME - 4E) FOR RUNWAY TRANSITION HEADINGS INSTEAD OF REFERENCE AIRPORT MAGVAR (KCXO – 5E).
- 10/14/14: THIS IS AN UPDATED COPY OF THE FORM APPROVED ON 08/20/14.
 1. ADDED ALL AIRPORTS AND APPLICABLE TOP ALTITUDE INFORMATION TO ADDITIONAL FLIGHT DATA, PER MEMO.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/2014	5 MAR 2015

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KARRR	292242.43N/0952231.47W	Y	-	IF	-	-			
KAVCY	291751.36N/0952744.49W	Y	FB	TF	223.32	6.65			
KAVCY	291751.36N/0952744.49W	Y	-	IF	-	-			KARRR3.CRP
SKUBA	291143.09N/0954728.37W	Y	FB	TF	250.55	18.31			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			
YOMOM	275915.35N/0970855.98W	Y	FB	TF	224.02	64.42			
CRP VORTAC	275413.56N/0972641.57W	Y	FB	TF	252.38	16.51			
KAVCY	291751.36N/0952744.49W	Y	-	IF	-	-			KARRR3.WWREN
RIIGG	285408.68N/0953701.36W	Y	FB	TF	199.01	25.01			
WWREN	280753.99N/0960554.98W	Y	FB	TF	209.01	52.68			
KAVCY	291751.36N/0952744.49W	Y	-	IF	-	-			KARRR3.NGP
RIIGG	285408.68N/0953701.36W	Y	FB	TF	199.01	25.01			
NGP VORTAC	274110.60N/0971741.07W	Y	FB	TF	231.08	114.85			
KAVCY	291751.36N/0952744.49W	Y	-	IF	-	-			KARRR3.PSX
SKUBA	291143.09N/0954728.37W	Y	FB	TF	250.55	18.31			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			
KAVCY	291751.36N/0952744.49W	Y	-	IF	-	-			KARRR3.YOMOM
SKUBA	291143.09N/0954728.37W	Y	FB	TF	250.55	18.31			
PSX VORTAC	284551.93N/0961822.25W	Y	FB	TF	226.55	37.41			
YOMOM	275915.35N/0970855.98W	Y	FB	TF	224.02	64.42			



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC PACKET - 424-18 - SID

[illegible]

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW16	N302146.66	W0950037.81	N3021.778	W09500.630
RW34	N302059.68	W0950019.95	N3020.995	W09500.333

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW16 00150	52
RW34 00142	52

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SUSAP 54T K4DKARRR3GYOMOM 040YOMOMK4EA0EE TF

RUNWAY	1	2	3	4	5	6	7	8	9	0	1	2	3
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SUSAP 54T K4GRW08	0050350840	N29454154W094511600	-0100	-00182000300000050040D									
SUSAP 54T K4GRW14	0035321426	N29455881W094511072	-0100	-00172000330000050100D									
SUSAP 54T K4GRW26	0050352640	N29454223W094502954+0100		-0019300026093940040R									
SUSAP 54T K4GRW32	0035323226	N29452931W094504922+0100		-00191000280000040100R									



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WRREN	KAVCY	010		IF		FB					
	WRREN	RIIGG	020		TF		FB					
	WRREN	WRREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WRREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW08			N294541.54		W0945116.00		N2945.692		W09451.267		
	RW14			N294558.81		W0945110.72		N2945.980		W09451.179		
	RW26			N294542.23		W0945029.54		N2945.704		W09450.492		
	RW32			N294529.31		W0945049.22		N2945.489		W09450.820		

RUNWAY DATA

THRESHOLD	
RWY	TCH
	ELEVATION
RW08	00030
RW14	00033
	50
	50



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

RW26 00026 40
RW32 00028 40



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRP	N275413.56	W0972641.57	N2754.226	W09726.693
	NGP	N274110.60	W0971741.08	N2741.177	W09717.685
	PSX	N284551.93	W0961822.25	N2845.866	W09618.371
	KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
	KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
	RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
	SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
	WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
	YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
	RW09	N293023.91	W0952905.10	N2930.399	W09529.085
	RW27	N293020.25	W0952808.65	N2930.338	W09528.144

RUNWAY DATA	THRESHOLD	TCH
	ELEVATION	
RWY		
RW09	00069	47
RW27	00066	45



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WREN	KAVCY	010		IF		FB					
	WREN	RIIGG	020		TF		FB					
	WREN	WREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW01	N302044.23	W0952510.12	N3020.737	W09525.169
RW14	N302145.72	W0952513.62	N3021.762	W09525.227
RW19	N302131.51	W0952453.28	N3021.525	W09524.888
RW32	N302044.54	W0952425.10	N3020.742	W09524.418

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW01 00230	49
RW14 00234	47



DEPARTURE (DATA RECORD)

DP Name	Number		DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE		KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

RW19 00229 49
RW32 00241 45



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	RW17R	KARRR	010		IF		FB					
	RW17R	KAVCY	020		TF		FB					
	RW35L	KARRR	010		IF		FB					
	RW35L	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW17R	N300414.04	W0953315.88	N3004.234	W09533.265
RW35L	N300315.10	W0953307.27	N3003.252	W09533.121

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17R	00152	52
RW35L	00145	45

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WREN	KAVCY	010		IF		FB					
	WREN	RIIGG	020		TF		FB					
	WREN	WREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
		CRP		N275413.56		W0972641.57		N2754.226		W09726.693		
		NGP		N274110.60		W0971741.08		N2741.177		W09717.685		
		PSX		N284551.93		W0961822.25		N2845.866		W09618.371		
		KARRR		N292242.43		W0952231.47		N2922.707		W09522.525		
		KAVCY		N291751.36		W0952744.49		N2917.856		W09527.742		
		RIIGG		N285408.68		W0953701.36		N2854.145		W09537.023		
		SKUBA		N291143.09		W0954728.37		N2911.718		W09547.473		
		WREN		N280753.99		W0960554.98		N2807.900		W09605.916		
		YOMOM		N275915.35		W0970855.98		N2759.256		W09708.933		
		RW04		N293553.43		W0950946.76		N2935.891		W09509.779		
		RW17L		N293706.49		W0950922.35		N2937.108		W09509.373		
		RW17R		N293705.99		W0950951.82		N2937.100		W09509.864		
		RW22		N293650.54		W0950843.97		N2936.842		W09508.733		
		RW35L		N293536.91		W0950949.75		N2935.615		W09509.829		
		RW35R		N293620.88		W0950921.30		N2936.348		W09509.355		

RUNWAY DATA	THRESHOLD	TCH
RWY	ELEVATION	

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

RW04	00026	50
RW17L	00031	50
RW17R	00032	51
RW22	00030	54
RW35L	00028	54
RW35R	00030	50



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WRREN	KAVCY	010		IF		FB					
	WRREN	RIIGG	020		TF		FB					
	WRREN	WRREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WRREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW14			N291618.18		W0945203.53		N2916.303		W09452.059		
	RW18			N291624.61		W0945132.65		N2916.410		W09451.544		
	RW32			N291532.60		W0945120.09		N2915.543		W09451.335		
	RW36			N291525.21		W0945133.67		N2915.420		W09451.561		

RUNWAY DATA	THRESHOLD	
	ELEVATION	TCH
RWY		
RW14	00005	53
RW18	00006	44



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

RW32 00005 46
RW36 00005 45



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC PACKET - 424-18 - SID

[illegible]

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WWREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW14			N294720.80		W0945719.10		N2947.347		W09457.318		
	RW32			N294658.52		W0945659.68		N2946.975		W09456.995		

RUNWAY DATA	THRESHOLD	
	ELEVATION	TCH
	RWY	
	RW14	00032
	RW32	00028



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SUSAP KIWSK4DKARRR3GYOMOM 040YOMOMK4EA0EE TF

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KIWSK4GRW15 0039531497 N29492317W095403097+0000 +00061001110000045075R
SUSAP KIWSK4GRW33 0039533297 N29484780W095401178+0000 +00055001090000045075R



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WWREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW15			N294923.17		W0954030.97		N2949.386		W09540.516		
	RW33			N294847.80		W0954011.78		N2948.797		W09540.196		

RUNWAY DATA	THRESHOLD	
	ELEVATION	TCH
RWY		
RW15	00111	45
RW33	00109	45



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WWREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW17			N290705.76		W0952743.59		N2907.096		W09527.727		
	RW35			N290556.47		W0952743.49		N2905.941		W09527.725		

RUNWAY DATA	THRESHOLD	
	RWY	TCH
	ELEVATION	
	RW17	00025
	RW35	00024

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SUSAP KLVJK4DKARRR3GYOMOM 040YOMOMK4EA0EE TF

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KLVJK4GRW14 0043131417 N29313405W095144586-0100 -0013700044000050075D
SUSAP KLVJK4GRW32 0043133217 N29305922W095141763+0100 -0015100039000040075R



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					
POINT DATA	WAYPOINT			LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS		
	CRP			N275413.56		W0972641.57		N2754.226		W09726.693		
	NGP			N274110.60		W0971741.08		N2741.177		W09717.685		
	PSX			N284551.93		W0961822.25		N2845.866		W09618.371		
	KARRR			N292242.43		W0952231.47		N2922.707		W09522.525		
	KAVCY			N291751.36		W0952744.49		N2917.856		W09527.742		
	RIIGG			N285408.68		W0953701.36		N2854.145		W09537.023		
	SKUBA			N291143.09		W0954728.37		N2911.718		W09547.473		
	WWREN			N280753.99		W0960554.98		N2807.900		W09605.916		
	YOMOM			N275915.35		W0970855.98		N2759.256		W09708.933		
	RW14			N293134.05		W0951445.86		N2931.568		W09514.764		
	RW32			N293059.22		W0951417.63		N2930.987		W09514.294		

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW14 00044	50
RW32 00039	40



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRP	N275413.56	W0972641.57	N2754.226	W09726.693
	NGP	N274110.60	W0971741.08	N2741.177	W09717.685
	PSX	N284551.93	W0961822.25	N2845.866	W09618.371
	KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
	KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
	RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
	SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
	WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
	YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
	RW17	N293755.81	W0953926.90	N2937.930	W09539.448
	RW35	N293700.21	W0953921.64	N2937.004	W09539.361

RUNWAY DATA	THRESHOLD	TCH
	ELEVATION	
RWY		
RW17	00082	52
RW35	00075	56

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW12	N294621.84	W0943957.96	N2946.364	W09439.966
RW30	N294603.23	W0943931.37	N2946.054	W09439.523

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW12 00020	40
RW30 00020	50



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WREN	KAVCY	010		IF		FB					
	WREN	RIIGG	020		TF		FB					
	WREN	WREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW05	N294000.36	W0950403.90	N2940.006	W09504.065
RW12	N294020.07	W0950408.82	N2940.335	W09504.147
RW23	N294018.90	W0950337.36	N2940.315	W09503.623
RW30	N293959.19	W0950336.12	N2939.987	W09503.602

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW05 00023	50
RW12 00025	45

QUALITY
15
CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

RW23 00024 50
RW30 00024 40



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

SUSAP T78 K4DKARRR3GYOMOM 040YOMOMK4EA0EE TF

1 2 3 4 5 6 7 8 9 0 1 2 3
RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP T78 K4GRW16 0038011608 N30045829W094420007+0000 -00063000690000040075R
SUSAP T78 K4GRW34 0038013408 N30042182W094414944+0000 -00064000690000050075D



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW16	N300458.29	W0944200.07	N3004.972	W09442.001
RW34	N300421.82	W0944149.44	N3004.364	W09441.824

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW16 00069	40
RW34 00069	50



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
KARRR	THREE	KARRR3.KARRR	TWO	09/18/14	5 MAR 2015

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	KARRR	010		IF		FB					
	ALL	KAVCY	020		TF		FB					
	CRP	KAVCY	010		IF		FB					
	CRP	SKUBA	020		TF		FB					
	CRP	PSX	030		TF		FB					
	CRP	YOMOM	040		TF		FB					
	CRP	CRP	050		TF		FB					
	NGP	KAVCY	010		IF		FB					
	NGP	RIIGG	020		TF		FB					
	NGP	NGP	030		TF		FB					
	PSX	KAVCY	010		IF		FB					
	PSX	SKUBA	020		TF		FB					
	PSX	PSX	030		TF		FB					
	WWREN	KAVCY	010		IF		FB					
	WWREN	RIIGG	020		TF		FB					
	WWREN	WWREN	030		TF		FB					
	YOMOM	KAVCY	010		IF		FB					
	YOMOM	SKUBA	020		TF		FB					
	YOMOM	PSX	030		TF		FB					
	YOMOM	YOMOM	040		TF		FB					

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
CRP	N275413.56	W0972641.57	N2754.226	W09726.693
NGP	N274110.60	W0971741.08	N2741.177	W09717.685
PSX	N284551.93	W0961822.25	N2845.866	W09618.371
KARRR	N292242.43	W0952231.47	N2922.707	W09522.525
KAVCY	N291751.36	W0952744.49	N2917.856	W09527.742
RIIGG	N285408.68	W0953701.36	N2854.145	W09537.023
SKUBA	N291143.09	W0954728.37	N2911.718	W09547.473
WWREN	N280753.99	W0960554.98	N2807.900	W09605.916
YOMOM	N275915.35	W0970855.98	N2759.256	W09708.933
RW18	N294850.85	W0955352.86	N2948.848	W09553.881
RW36	N294745.40	W0955351.88	N2947.757	W09553.865

RUNWAY DATA

THRESHOLD	TCH
RWY ELEVATION	
RW18 00166	40
RW36 00163	40

