

**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.  
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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
HOODO	FOUR	HOODO4.HOODO	THREE	09/15/2016	10 NOV 2016

**TYPE:** RNAV SID

**DP ROUTE DESCRIPTION:**

**WILLIAM P HOBBY (KHOU)**

TAKEOFF RWY 4: CLIMB HEADING 040.95 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 13L: CLIMB HEADING 130.93 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 13R: CLIMB HEADING 130.95 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 17: CLIMB HEADING 175.94 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 22: CLIMB HEADING 220.96 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 31L: CLIMB HEADING 310.96 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 31R: CLIMB HEADING 310.94 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 35: CLIMB HEADING 355.94 TO 560, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 ...ON TRACK 117.94 TO HOODO, THEN ON (TRANSITION). MAINTAIN 16000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**GEORGE BUSH INTERCONTINENTAL/HOUSTON (KIAH)**

TAKEOFF RWY 8L/8R: CLIMB HEADING 086.94 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 9: CLIMB HEADING 086.95 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 15L: CLIMB HEADING 148.96 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 15R: CLIMB HEADING 148.95 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 26L/26R: CLIMB HEADING 266.96 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 27: CLIMB HEADING 266.97 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 33L/33R: CLIMB HEADING 328.96 TO 600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 ...ON TRACK 117.94 TO HOODO, THEN ON (TRANSITION). MAINTAIN 16000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE

**LONE STAR EXECUTIVE (KCXO)**

TAKEOFF RWY 1: CLIMB HEADING 012.16 TO 760, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 14: CLIMB HEADING 140.48 TO 760, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 19: CLIMB HEADING 192.17 TO 760, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 32: CLIMB HEADING 320.48 TO 760, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**RWJ AIRPARK (K54T)**

TAKEOFF RWY 8: CLIMB HEADING 084.03 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 14: CLIMB HEADING 142.55 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 26: CLIMB HEADING 264.03 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 32: CLIMB HEADING 322.55 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**CLEVELAND MUNI (K6R3)**

TAKEOFF RWY 16: CLIMB HEADING 156.75 TO 1400, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 34: CLIMB HEADING 311.75 TO 2000, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**HOUSTON-SOUTHWEST (KAXH)**

TAKEOFF RWY 9: CLIMB HEADING 089.24 TO 2000, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 27: CLIMB HEADING 269.24 TO 2200, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**DAVID WAYNE HOOKS MEMORIAL (KDWH)**

TAKEOFF RWY 17R: CLIMB HEADING 167.76 TO 660, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...



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TAKEOFF RWY 35L: CLIMB HEADING 347.76 TO 660, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**ELLINGTON (KEFD)**

TAKEOFF RWY 4: CLIMB HEADING 038.85 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 17L: CLIMB HEADING 173.85 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 17R: CLIMB HEADING 173.84 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 22: CLIMB HEADING 218.86 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 35L: CLIMB HEADING 353.84 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 35R: CLIMB HEADING 353.85 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**SCHOLES INTL AT GALVESTON (KGLS)**

TAKEOFF RWY 14: CLIMB HEADING 138.11 TO 520, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 18: CLIMB HEADING 178.86 TO 520, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 32: CLIMB HEADING 318.12 TO 520, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 36: CLIMB HEADING 358.86 TO 520, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**BAYTOWN (KHPY)**

TAKEOFF RWY 14: CLIMB HEADING 139.75 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 32: CLIMB HEADING 319.75 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**WEST HOUSTON (KIWS)**

TAKEOFF RWY 15: CLIMB HEADING 149.68 TO 620, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 33: CLIMB HEADING 329.68 TO 620, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**TEXAS GULF COAST RGNL (KLBX)**

TAKEOFF RWY 17: CLIMB HEADING 174.93 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 35: CLIMB HEADING 354.93 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**PEARLAND RGNL (KLVJ)**

TAKEOFF RWY 14: CLIMB HEADING 141.67 TO 1600, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 32: CLIMB HEADING 321.67 TO 700, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**SUGAR LAND RGNL (KSGR)**

TAKEOFF RWY 17: CLIMB HEADING 170.28 TO 1500, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 35: CLIMB HEADING 350.28 TO 1100, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**CHAMBERS COUNTY (KT00)**

TAKEOFF RWY 12: CLIMB HEADING 123.74 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 30: CLIMB HEADING 303.74 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**LA PORTE MUNI (KT41)**

TAKEOFF RWY 5: CLIMB HEADING 046.34 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 12: CLIMB HEADING 121.17 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 23: CLIMB HEADING 226.35 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...  
 TAKEOFF RWY 30: CLIMB HEADING 301.18 TO 540, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

QUALITY  
3  
CHECKED

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**LIBERTY MUNI (KT78)**

TAKEOFF RWY 16: CLIMB HEADING 160.77 TO 1700, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

TAKEOFF RWY 34: CLIMB HEADING 340.78 TO 1000, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

**HOUSTON EXECUTIVE (KTME)**

TAKEOFF RWY 18: CLIMB HEADING 175.25 TO 680, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

TAKEOFF RWY 36: CLIMB HEADING 355.25 TO 700, EXPECT RADAR VECTORS TO VUH VOR/DME, THENCE...

...ON TRACK 117.94 TO HOODO, THEN ON (TRANSITION). MAINTAIN 4000. 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
LEEVILLE	HOODO4.LEV	HOODO	SBIRD	TRACK 086.53	36.09	11000	1400	
			CFOOD	TRACK 086.70	60.00	11000	1400	
			BOWFN	TRACK 087.25	68.31	11000	1400	
			LEV VORTAC	TRACK 076.06	60.13	11000	1700	
HARVEY	HOODO4.HRV	HOODO	SBIRD	TRACK 086.53	36.09	11000	1400	
			CFOOD	TRACK 086.70	60.00	11000	1400	
			BOWFN	TRACK 087.25	68.31	11000	1400	
			HRV VORTAC	TRACK 047.94	82.32	11000	2100	
SBIRD	HOODO4.SBIRD	HOODO	SBIRD	TRACK 086.53	36.09	11000	1400	
CFOOD	HOODO4.CFOOD	HOODO	SBIRD	TRACK 086.53	36.09	11000	1400	
			CFOOD	TRACK 086.70	60.00	11000	1400	
BOWFN	HOODO4.BOWFN	HOODO	SBIRD	TRACK 086.53	36.09	11000	1400	
			CFOOD	TRACK 086.70	60.00	11000	1400	
			BOWFN	TRACK 087.25	68.31	11000	1400	

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: ATC ASSIGNED ONLY.

NOTE: DME/DME/IRU OR GPS REQUIRED.



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NOTE: FOR NON-GPS EQUIPPED AIRCRAFT, LCH, LLA, TBD, AND LEV DME'S MUST BE OPERATIONAL.

**TAKEOFF MINIMUMS:**

**WILLIAM P HOBBY (KHOU):** RWY 4, 13L, 13R, 17, 22, 31L, 31R, 35 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 560.

**GEORGE BUSH INTERCONTINENTAL/HOUSTON (KIAH):** RWY 8L, 8R, 9, 15L, 15R, 26L, 26R, 27, 33L, 33R STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 600.

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

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

**DAVID WAYNE HOOKS MEMORIAL (KDWI):** RWY 17R, 35L, STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 600.

RWY 17L, 35R NA - ENVIRONMENTAL.

WATERWAY 17, 35 NA - AIR TRAFFIC.

**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.

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

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

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

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

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

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

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

**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.

**CHAMBERS COUNTY (KT00):** RWY 17, 35, NA-ENVIRONMENTAL.

RWY 12, 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.



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**TAKEOFF OBSTACLES NOTES:**

**WILLIAM P. HOBBY (KHOU):**

**NOTE: RWY 4,** POLE 4403 FT FROM DER, 1069 FT RIGHT OF CENTERLINE, 121 FT AGL/166 FT MSL. LIGHT ON BUILDING 1562 FT FROM DER, 859 FT RIGHT OF CENTERLINE, 59 FT AGL/103 FT MSL. BUILDING 3990 FT FROM DER, 1223 FT RIGHT OF CENTERLINE, 139 FT AGL/174 FT MSL. LIGHT ON FLGPL 4618 FT FROM DER, 768 FT RIGHT OF CENTERLINE, 117 FT AGL/161 FT MSL.

**NOTE: RWY 13L,** ANTENNA ON HANGER 1548 FT FROM DER, 424 FT LEFT OF CENTERLINE, 45 FT AGL/85 FT MSL.

**NOTE: RWY 13R,** VEHICLE AND ROAD 514 FT FROM DER, 543 FT RIGHT OF CENTERLINE, 17 FT AGL/55 FT MSL. TREE 1217 FT FROM DER, 756 FT RIGHT OF CENTERLINE, 43 FT AGL/89 FT MSL. FENCE 85 FT FROM DER, 492 FT LEFT OF CENTERLINE, 4 FT AGL/45 FT MSL. VEHICLE AND ROAD 176 FT FROM DER, 497 FT LEFT OF CENTERLINE, 17 FT AGL/55 FT MSL. POLE 1011 FT FROM DER, 696 FT LEFT OF CENTERLINE, 33 FT AGL/73 FT MSL. TREE 1256 FT FROM DER, 783 FT LEFT OF CENTERLINE, 38 FT AGL/78 FT MSL.

**NOTE: RWY 17,** MULTIPLE POLES BEGINNING 606 FT FROM DER, 393 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/124 FT MSL. CRANE 1795 FT FROM DER, 689 FT RIGHT OF CENTERLINE, 100 FT AGL/150 FT MSL. ANT ON BUILDING 620 FT FROM DER, 312 FT LEFT OF CENTERLINE, 27 FT AGL/72 FT MSL. MULTIPLE TREES BEGINNING 721 FT FROM DER, 260 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/116 FT MSL. RADAR REFLECTOR 1214 FT FROM DER, 258 FT LEFT OF CENTERLINE, 32 FT AGL/77 FT MSL.

**NOTE: RWY 22,** POLE 727 FT FROM DER, 626 FT RIGHT OF CENTERLINE, 28 FT AGL/77 FT MSL. TREE 1310 FT FROM DER, 679 FT RIGHT OF CENTERLINE, 27 FT AGL/76 FT MSL. ANTENNA ON LT POLE 1805 FT FROM DER, 968 FT RIGHT OF CENTERLINE, 60 FT AGL/109 FT MSL.

**NOTE: RWY 31L,** ANTENNA ON BUILDING 547 FT FROM DER, 274 FT RIGHT OF CENTERLINE, 23 FT AGL/69 FT MSL. MULTIPLE POLES BEGINNING 341 FT FROM DER, 501 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/84 FT MSL. MULTIPLE TREES BEGINNING 1392 FT FROM DER, 466 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/118 FT MSL.

**NOTE: RWY 31R,** POLE 1096 FT FROM DER, 785 FT RIGHT OF CENTERLINE, 29 FT AGL/75 FT MSL. ANTENNA ON BUILDING 500 FT FROM DER, 525 FT LEFT OF CENTERLINE, 33 FT AGL/69 FT MSL.

**NOTE: RWY 35,** ANTENNA ON LT POLE 738 FT FROM DER, 519 FT RIGHT OF CENTERLINE, 40 FT AGL/86 FT MSL. LT POLE 1119 FT FROM DER, 353 FT RIGHT OF CENTERLINE, 31 FT AGL/77 FT MSL. ANTENNA ON BUILDING 66 FT FROM DER, 471 FT LEFT OF CENTERLINE, 33 FT AGL/69 FT MSL.

**GEORGE BUSH INTERCONTINENTAL / HOUSTON (KIAH):**

**NOTE: RWY 8L,** TREE 2866 FT FROM DER, 921 FT LEFT OF CENTERLINE, 107 FT AGL/ 201 FT MSL. MULTIPLE TREES BEGINNING 2750 FT FROM DER, 106 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL / 174 FT MSL.

**NOTE: RWY 15L,** MULTIPLE TREES BEGINNING 2638 FT FROM DER, 758 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL / 160 FT MSL.

**NOTE: RWY 15R,** TOWER 1431 FT FROM DER, 591 FT LEFT OF CENTERLINE, 48 FT AGL / 133 FT MSL. ANTENNA ON GLIDESLOPE 1469 FT FROM DER, 621 FT LEFT OF CENTERLINE, 49 FT AGL / 133 FT MSL.

**NOTE: RWY 26R,** POLE 950 FT FROM DER, 660 FT RIGHT OF CENTERLINE, 40 FT AGL / 129 FT MSL.

**NOTE: RWY 33R,** TREE 2868 FT FROM DER, 1027 FT RIGHT OF CENTERLINE, 73 FT AGL /172 FT MSL.

**ELLINGTON FIELD (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.

**DAVID WAYNE HOOKS MEMORIAL (KDWI):**

**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

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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 ON 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.

**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.

**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. BUILDING 1036 FT FROM DER, 743 FT RIGHT OF CENTERLINE, 26 FT AGL/102 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.

**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.

**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 TRMSN POLES BEGINNING 1304 FT FROM DER, 131 FT RIGHT OF CENTERLINE, UP TO 41 FT AGL/110 FT MSL.

**HOUSTON EXECUTIVE (KTMF):**

**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.

**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.

**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

QUALITY  
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CHECKED



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

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HOODO	FOUR	HOODO4.HOODO	THREE	09/15/2016	10 NOV 2016

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.

**TEXAS GULF COAST RGNL (KLBX):**

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

**LA PORTE MUNI (KT41):**

**NOTE: RWY 12,** TREES AND POLES BEGINNING 128 FT FROM DER, 42 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/74 FT MSL. TREES AND POLES BEGINNING 131 FT FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/63 FT MSL. CHIMNEY 676 FT FROM DER, 412 FT RIGHT OF CENTERLINE, 31 FT AGL/55 FT MSL.

**NOTE: RWY 23,** TREES BEGINNING 1320 FT FROM DER, 43 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/87 FT MSL. HANGARS BEGINNING 233 FT FROM DER, 288 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/59 FT MSL. VEHICLE ON ROAD, 594 FT FROM DER, 513 FT LEFT OF CENTERLINE, 15 FT AGL/39 FT MSL. TREES 1010 FT FROM DER, 1010 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/87 FT MSL.

**NOTE: RWY 30,** TREES AND POLES BEGINNING 114 FT FROM DER, 67 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/87 FT MSL. BUILDINGS 335 FT FROM DER, 356 FT LEFT OF CENTERLINE, 25 FT AGL/50 FT MSL. TREES AND POLES BEGINNING 44 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 52 FT AGL/76 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.

**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 FROM DER, 146 FT RIGHT OF CENTERLINE, UP TO 30 FT AGL/64 FT MSL. POWER LINES 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.

QUALITY  
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CHECKED

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

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**PEARLAND RGNL (KLVJ):**

**NOTE: RWY 14,** VEHICLES ON ROAD BEGINNING 11 FT FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/54 FT MSL. HANGERS 99 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 13 FT AGL/53 FT MSL. TREES BEGINNING 102 FT FROM DER, 328 FT LEFT OF CENTERLINE, UP TO 27 FT AGL/71 FT MSL. TREES BEGINNING 199 FT FROM DER, 307 FT RIGHT OF CENTERLINE, UP TO 64 FT AGL/98 FT MSL. VEHICLES ON ROAD BEGINNING 364 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/59 FT MSL. TREES BEGINNING 618 FT FROM DER, 331 FT LEFT OF CENTERLINE, UP TO 32 FT AGL/71 FT MSL. TREES BEGINNING 983 FT FROM DER, 94 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/90 FT MSL. TREES BEGINNING 1251 FT FROM DER, 72 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/94 FT MSL.

**NOTE: RWY 32,** MULTIPLE TREES BEGINNING 30 FT FROM DER, 142 FT RIGHT OF CENTERLINE, UP TO 59 FT AGL/100 FT MSL. MULTIPLE TREES BEGINNING 41 FT FROM DER, 200 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/118 FT MSL. POLE 68 FT FROM DER, 107 FT RIGHT OF CENTERLINE, 26 FT AGL/70 FT MSL. MULTIPLE BUILDINGS AND POLES BEGINNING 103 FT FROM DER, 235 FT RIGHT OF CENTERLINE, UP TO 34 FT AGL/78 FT MSL. VEHICLES ON ROAD 513 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, 15 FT AGL/59 FT MSL. MULTIPLE POLES AND TREES BEGINNING 605 FT FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 84 FT AGL/128 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.

**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.

**CONTROLLING OBSTACLES:**

**WILLIAM P. HOBBY (KHOU):**

RWY 4: 174 FT MSL BUILDING 293935.00N/0951526.00W,  
 RWY 17: 150 FT MSL CRANE 293751.23N/0951710.97W, 2049 FT MSL TOWER  
 293430.00N/0952938.00W.  
 RWY 22, 31L, 31R: 2049 FT MSL TOWER 293430.00N/0952938.00W.

**ELLINGTON FIELD (KEFD):**

RWY 22: 192 FT MSL WATER TOWER, 293521.00N/0951048.09W.

**SUGAR LAND RGNL (KSGR):**

RWY 17: 2049 FT MSL TOWER 293415.70N/0953038.30W, RWY 35: 2049 FT MSL TOWER 293435.00N/0953037.00W.

**HOUSTON-SOUTHWEST (KAXH):**

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

**HOUSTON EXECUTIVE (KTME):**

RWY 36: 546 FT MSL TOWER 295050.00N/0955259.00W.





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**LA PORTE MUNI (KT41):**

RWY 12: 499 FT MSL STACK 293747.00N/0950316.00W, RWY 30: 589 FT MSL TOWER 294252.00N/0950543.00W.

**CLEVELAND MUNI (K6R3)**

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

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

**PEARLAND RGNL (KLVJ)**

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

**LIBERTY MUNI (KT78)**

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

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

REFERENCE MAG VAR: KIAH 3E / EPOCH YEAR: 2015. DME/DME ASSESSMENT: SAT (RNP 2.0)

**WILLIAM P HOBBY (KHOU)** – CHART: TOP ALTITUDE 16000

**GEORGE BUSH INTERCONTINENTAL (KIAH)** – CHART: TOP ALTITUDE 16000

**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

**SCHOLES 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 VUH VOR/DME TO HOODO, 9300/1400.

**PILOT NAVIGATION AREA:**

10 NM ARC CENTERED ON VUH VOR/DME (IF), CW

FROM: POINT A (BEARING 073 DEGREES TO VUH VOR/DME)

TO: POINT B (BEARING 163 DEGREES TO VUH VOR/DME)

MINIMUM ALTITUDE 4000.



**U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION**  
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**AIRPORTS SERVED:**

GEORGE BUSH INTERCONTINENTAL/HOUSTON	HOUSTON, TX
WILLIAM P HOBBY	HOUSTON, TX
ELLINGTON FIELD	HOUSTON, TX
LONE STAR EXECUTIVE	HOUSTON, TX
DAVID WAYNE HOOKS MEMORIAL	HOUSTON, TX
SUGAR LAND RGNL	HOUSTON, TX
HOUSTON-SOUTHWEST	HOUSTON, TX
HOUSTON EXECUTIVE	HOUSTON, TX
WEST HOUSTON	HOUSTON, TX
PEARLAND RGNL	HOUSTON, TX
SCHOLES INTL AT GALVESTON	GALVESTON, TX
TEXAS GULF RGNL	ANGLETON/LAKE JACKSON, TX
LA PORTE MUNI	LA PORTE, TX
BAYTOWN	BAYTOWN, TX
RWJ AIRPARK	BAYTOWN, TX
CHAMBERS COUNTY	ANAHUAC, TX
CLEVELAND MUNI	CLEVELAND, TX
LIBERTY MUNI	LIBERTY, TX

**COMMUNICATIONS:**

**ATIS:** IAH, HOU, EFD, CXO, DWH. **AWOS/ASOS:** IAH, HOU, EFD, DWH, SGR, AXH, TME, GLS, LBX, 6R3, LVJ. **CLNC DEL:** IAH, HOU, CXO, DWH, SGR, AXH, TME, IWS, GLS, LBX, T41, LVJ. **GND CON:** IAH, HOU, EFD, CXO, DWH, SGR, GLS. **TWR:** IAH, HOU, 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, **DEP CON:** AXH/IWS/SGR/TME - 123.8/257.7, **DEP CON:** EFD/GLS/HPY/LBX/LVJ/54T/T00/T41 - 134.45/284.0, **DEP CON:** DWH – DEPARTING RWYS 17L/R DEPARTURE FREQUENCY 123.8/257.7, DEPARTING RWYS 35L/R DEPARTURE FREQUENCY 119.7/281.4, **DEP CON:** IAH/HOU - 127.125/269.075.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

ABBREVIATED AMENDMENT



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
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**CHANGES:**

- 1.CHANGED ALL REFERENCES OF HOU RWY 12L/R-30L/R TO 13L/R-31L/R.

**REASONS:**

- 1.UPDATED RUNWAY NUMBERS AFTER MAGVAR



## DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code		Superseded Number		Dated	Effective Date
HOODO		FOUR		HOODO4.HOODO		THREE		09/15/2016	10 NOV 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
VUH VOR/DME	291609.60N-0945203.81W	Y	-	IF	-	-			
HOODO	285948.51N-0942009.10W	Y	FB	TF	120.94	31.60			
HOODO	285948.51N-0942009.10W	Y	-	IF	-	-			HOODO4.SBIRD
SBIRD	290000.00N-0934000.00W	Y	FB	TF	089.53	36.09			
HOODO	285948.51N-0942009.10W	Y	-	IF	-	-			HOODO4.CFOOD
SBIRD	290000.00N-0934000.00W	Y	FB	TF	089.53	36.09			
CFOOD	290001.59N-0923134.51W	Y	FB	TF	089.70	60.00			
HOODO	285948.51N-0942009.10W	Y	-	IF	-	-			HOODO4.BOWFN
SBIRD	290000.00N-0934000.00W	Y	FB	TF	089.53	36.09			
CFOOD	290001.59N-0923134.51W	Y	FB	TF	089.70	60.00			
BOWFN	285921.00N-0911341.00W	Y	FB	TF	090.25	68.31			
HOODO	285948.51N-0942009.10W	Y	-	IF	-	-			HOODO4.LEV
SBIRD	290000.00N-0934000.00W	Y	FB	TF	089.53	36.09			
CFOOD	290001.59N-0923134.51W	Y	FB	TF	089.70	60.00			
BOWFN	285921.00N-0911341.00W	Y	-	IF	090.25	68.31			
LEV VORTAC	291030.83N-0900614.47W	Y	FB	TF	079.06	60.13			
HOODO	285948.51N-0942009.10W	Y	-	IF	-	-			HOODO4.HRV
SBIRD	290000.00N-0934000.00W	Y	FB	TF	089.53	36.09			
CFOOD	290001.59N-0923134.51W	Y	FB	TF	089.70	60.00			
BOWFN	285921.00N-0911341.00W	Y	FB	IF	090.25	68.31			
HRV VORTAC	295100.70N-0900010.74W	Y	FB	TF	050.94	82.32			

