

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| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---------|--------|------------------|-------------------|------------|----------------|
| GRABE | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17C: CLIMB HEADING 174.27 TO INTERCEPT COURSE 155.17 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 17R: CLIMB HEADING 174.26 TO INTERCEPT COURSE 153.02 TO NAVYE, THEN ON TRACK 104.51 TO JGIRL, CROSS JGIRL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 18L: CLIMB HEADING 174.25 TO INTERCEPT COURSE 190.53 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 18R: CLIMB HEADING 174.25 TO INTERCEPT COURSE 190.00 TO BPARK, THEN ON TRACK 252.87 TO YAMEL, CROSS YAMEL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 31L, 31R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO GRABE, MAINTAIN 5000. THENCE...

TAKEOFF RWY 35C: CLIMB HEADING 354.27 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 35L: CLIMB HEADING 354.26 TO 1120, THEN DIRECT CUZEN, CROSS CUZEN AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 36L: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

TAKEOFF RWY 36R: CLIMB HEADING 354.25 TO 1120, THEN DIRECT HAZKL, CROSS HAZKL AT OR ABOVE 5000, THEN ON DEPICTED ROUTE TO GRABE. THENCE...

... (TRANSITION). MAINTAIN 10000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

| Transition Name | Transition Computer Codes | From FIX/NAVAID | To FIX/NAVAID | Course | Distance | MEA | MOCA | Crossing Altitudes/Fixes |
|-----------------|---------------------------|--------------------|---------------|--------------|----------|-------|------|--------------------------|
| EAKER | GRABE5.EAKER | GRABE | EAKER | TRACK 012.12 | 54.60 | 9000 | 3700 | |
| OKMULGEE | GRABE5.OKM | GRABE | EAKER | TRACK 012.12 | 54.60 | 9000 | 3700 | |
| | | EAKER | OKM VOR/DME | TRACK 018.06 | 90.40 | 11000 | 3400 | |

QUALITY
CHECKED

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| GRABE | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

NOTE: TAKEOFF RWY 18L, 18R: DO NOT EXCEED 240 KIAS UNTIL YAMEL.

NOTE: TAKEOFF RWY 35C, 35L: DO NOT EXCEED 240 KIAS UNTIL CUZEN.

NOTE: TAKEOFF RWY 17C, 17R: DO NOT EXCEED 240 KIAS UNTIL JGIRL.

NOTE: TAKEOFF RWY 36L, 36R: DO NOT EXCEED 240 KIAS UNTIL HAZKL.

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

NOTE: PROPS: FILE AND EXPECT JACKY OR TRI-GATE DEPARTURE.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT, AND ALL AIRCRAFT DEPARTING RUNWAYS 31L/R.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: EAKER TRANSITION (GRABE5.EAKER): FOR AIRCRAFT INBOUND TO THE TUL TERMINAL AREA.

NOTE: OKMULGEE TRANSITION (GRABE5.OKM): FOR ALL AIRCRAFT OVERFLYING THE OKM VOR/DME PROCEEDING VIA J181 TO BDF TO DESTINATIONS IN THE CHICAGO TERMINAL AREA AND NORTH.

TAKEOFF MINIMUMS:

RWY 13L, 13R, 17L, 35R NA - AIR TRAFFIC.

RWY 31L, 31R STANDARD.

RWY 17C, 17R, 18L, 18R, 35C, 35L, 36L, 36R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 5000.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 31L, TREES BEGINNING 928 FT FROM DER, 724 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/654 FT MSL. TREE 1229 FT FROM DER, 729 FT RIGHT OF CENTERLINE, 28 FT AGL/637 FT MSL. TRMSN POLE 3402 FT FROM DER, 1398 FT RIGHT OF CENTERLINE, 89 FT AGL/708 FT MSL.

NOTE: RWY 31R, BLDG 733 FT FROM DER, 632 FT LEFT OF CENTERLINE, 34 FT AGL/604 FT MSL.

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

REFERENCE MAG VAR: KDFW 6E EPOCH YR: 2000.

DME/DME ASSESSMENT: SAT (RNP 2.0)

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON GRABE (IF), CW

FROM: POINT A (BEARING 328 DEGREES TO GRABE)

TO: POINT B (BEARING 057 DEGREES TO GRABE)

MINIMUM ALTITUDE – 5000

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AIRPORTS SERVED:

DALLAS/FORT WORTH INTL

DALLAS-FORT WORTH, TX

COMMUNICATIONS:

CLNC DEL, ATIS, GND CON, DFW ATCT, DFW DEP CON

FIXES AND/OR NAVAIDS:

ADM VORTAC, AKUNA, BLECO, LOWGN, TIKYS, ZEMMA

REMARKS:

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CHANGES:

1. DP ROUTE DESCRIPTION RWY 18R CHANGED INTERCEPT COURSE FROM 188.44 TO 190.00.
2. CHANGED ALL REFERENCE FROM GRABE4 TO GRABE5.

REASONS:

1. PUBLISHED COURSE DID NOT MATCH TARGETS.
2. IAW AMENDING THE PROCEDURE AND CHANGING COMPUTER CODE.



DEPARTURE (DATA RECORD)

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| GRABE | | FIVE | GRABE5.GRABE | | | | FOUR | | 04/05/2012 | 15 NOV 2012 |
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS | |
| RW17C (AER) | 325456.55N/0970133.49W | N | - | - | - | - | | | VI/CF PERMITTED | |
| - | 325136.63N/0970134.60W | - | - | VI | 180.27 | 3.33 | | | CG 500 FT/NM TO 5000. | |
| NAVYE | 324657.75N/0965942.05W | Y | FB | CF | 161.17 | 4.90 | | | RECOMMENDED NAVAID: TTT VOR/DME | |
| JGIRL | 324554.36N/0965621.63W | Y | FB | TF | 110.51 | 3.01 | AT/ABOVE 5000 | AT/BELOW 240K | | |
| CORTS | 324607.65N/0964953.59W | Y | FB | TF | 087.65 | 5.46 | | | | |
| BIGGD | 325131.59N/0964833.10W | Y | FB | TF | 011.84 | 5.51 | | | | |
| CMORE | 325916.66N/0964832.49W | Y | FB | TF | 000.06 | 7.74 | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 344.58 | 28.80 | | | | |
| RW17R (AER) | 325456.60N/0970147.58W | N | - | - | - | - | | | VI/CF PERMITTED | |
| - | 325136.69N/0970148.65W | - | - | VI | 180.26 | 3.33 | | | CG 500 FT/NM TO 5000. | |
| NAVYE | 324657.75N/0965942.05W | Y | FB | CF | 159.02 | 4.97 | | | RECOMMENDED NAVAID: TTT VOR/DME | |
| JGIRL | 324554.36N/0965621.63W | Y | FB | TF | 110.51 | 3.01 | AT/ABOVE 5000 | AT/BELOW 240K | | |
| CORTS | 324607.65N/0964953.59W | Y | FB | TF | 087.65 | 5.46 | | | | |
| BIGGD | 325131.59N/0964833.10W | Y | FB | TF | 011.84 | 5.51 | | | | |
| CMORE | 325916.66N/0964832.49W | Y | FB | TF | 000.06 | 7.74 | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 344.58 | 28.80 | | | | |
| RW18L (AER) | 325456.88N/0970302.65W | N | - | - | - | - | | | VI/CF PERMITTED | |
| - | 325138.77N/0970303.67W | - | - | VI | 180.25 | 3.30 | | | CG 500 FT/NM TO 5000. | |
| BPARK | 324631.76N/0970451.51W | Y | FB | CF | 196.53 | 5.33 | | | RECOMMENDED NAVAID: TTT VOR/DME | |
| YAMEL | 324555.70N/0970828.05W | Y | FB | TF | 258.87 | 3.10 | AT/ABOVE 5000 | AT/BELOW 240K | | |
| FIRMN | 324617.77N/0971428.77W | Y | FB | TF | 274.17 | 5.08 | | | | |
| BINGM | 325027.25N/0971627.44W | Y | FB | TF | 338.12 | 4.47 | | | | |
| BEMMR | 330006.19N/0971613.39W | Y | FB | TF | 001.17 | 9.63 | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 029.91 | 31.10 | | | | |

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| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS | |
| RW18R (AER) | 325456.93N/0970316.71W | N | - | - | - | - | | | VI/CF PERMITTED | |
| - | 325107.56N/0970317.90W | - | - | VI | 180.25 | 3.82 | | | CG 500 FT/NM TO 5000. | |
| BPARK | 324631.76N/0970451.51W | Y | FB | CF | 196.00 | 4.77 | | | RECOMMENDED NAVAID: TTT VOR/DME | |
| YAMEL | 324555.70N/0970828.05W | Y | FB | TF | 258.87 | 3.10 | AT/ABOVE 5000 | AT/BELOW 240K | | |
| FIRMN | 324617.77N/0971428.77W | Y | FB | TF | 274.17 | 5.08 | | | | |
| BINGM | 325027.25N/0971627.44W | Y | FB | TF | 338.12 | 4.47 | | | | |
| BEMMR | 330006.19N/0971613.39W | Y | FB | TF | 001.17 | 9.63 | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 029.91 | 31.10 | | | | |
| | | | | | | | | | | |
| RW31L (AER) | 325324.97N/0970347.79W | N | - | - | - | - | | | | |
| - | - | - | - | VM | 319.06 | - | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | DF | - | - | | | | |
| | | | | | | | | | | |
| RW31R (AER) | 325341.93N/0970003.04W | N | - | - | - | - | | | | |
| - | - | - | - | VM | 315.28 | - | | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | DF | - | - | | | | |
| | | | | | | | | | | |
| RW35C (AER) | 325243.96N/0970134.22W | N | - | - | - | - | | | | |
| 1120 MSL | - | - | - | VA | 000.27 | - | | | CG 500 FT/NM TO 5000. | |
| CUZEN | 330439.55N/0970130.12W | Y | FB | DF | - | - | AT/ABOVE 5000 | AT/BELOW 240K | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 008.11 | 22.61 | | | | |
| | | | | | | | | | | |
| RW35L (AER) | 325244.02N/0970148.29W | N | - | - | - | - | | | | |
| 1120 MSL | - | - | - | VA | 000.26 | - | | | CG 500 FT/NM TO 5000. | |
| CUZEN | 330439.55N/0970130.12W | Y | FB | DF | - | - | AT/ABOVE 5000 | AT/BELOW 240K | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 008.11 | 22.61 | | | | |

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| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
|-------------|------------------------|---|-------|----------|--------|-----------|---------------|---------------|-----------------------|
| RW36L (AER) | 325244.35N/0970317.40W | N | - | - | - | - | | | |
| 1120 MSL | - | - | - | VA | 000.25 | - | | | CG 500 FT/NM TO 5000. |
| HAZKL | 330415.04N/0970311.58W | Y | FB | DF | - | - | AT/ABOVE 5000 | AT/BELOW 240K | |
| RYNNE | 330913.30N/0970355.92W | Y | FB | TF | 352.87 | 5.00 | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 016.32 | 18.58 | | | |
| RW36R (AER) | 325244.30N/0970303.33W | N | - | - | - | - | | | |
| 1120 MSL | - | - | - | VA | 000.25 | - | | | CG 500 FT/NM TO 5000. |
| HAZKL | 330415.04N/0970311.58W | Y | FB | DF | - | - | AT/ABOVE 5000 | AT/BELOW 240K | |
| RYNNE | 330913.30N/0970355.92W | Y | FB | TF | 352.87 | 5.00 | | | |
| GRABE | 332705.25N/0965741.50W | Y | FB | TF | 016.32 | 18.58 | | | |
| GRABE | 332705.25N/0965741.50W | Y | - | IF | - | - | | | GRABE5.EAKER |
| EAKER | 341902.72N/0963711.52W | Y | FB | TF | 018.12 | 54.60 | | | |
| GRABE | 332705.25N/0965741.50W | Y | - | IF | - | - | | | GRABE5.OKM |
| EAKER | 341902.72N/0963711.52W | Y | FB | TF | 018.12 | 54.60 | | | |
| OKM VOR/DME | 354135.15N/0955157.53W | Y | FB | TF | 024.06 | 90.40 | | | |

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| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |

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| SEGMENT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
|---------|---------------------|-----------------|-------|--------|-------------------|------|---------|---|-------|---|---|---|---|
| SUSAP | KDFWK4DGRABE54RW17C | 010 | 0 | VI | | 1743 | | | 18000 | | | | |
| SUSAP | KDFWK4DGRABE54RW17C | 020NAVYEK4EA0E | 010CF | TTT K4 | 1500005715520049D | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17C | 030JGIRLK4EA0E | 010TF | | 104500030 | | + 05000 | | 240 | | - | | |
| SUSAP | KDFWK4DGRABE54RW17C | 040CORTSK4EA0E | 010TF | | 081700055 | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17C | 050BIGGDK4EA0E | 010TF | | 005800055 | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17C | 060CMOREK4EA0E | 010TF | | 35410077 | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17C | 070GRABEK4EA0EE | 010TF | | 33860288 | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17R | 010 | 0 | VI | | 1743 | | | 18000 | | | | |
| SUSAP | KDFWK4DGRABE54RW17R | 020NAVYEK4EA0E | 010CF | TTT K4 | 1500005715300050D | | | | | | | | |
| SUSAP | KDFWK4DGRABE54RW17R | 030JGIRLK4EA0E | 010TF | | 104500030 | | + 05000 | | 240 | | - | | |
| SUSAP | KDFWK4DGRABE54RW17R | 040CORTSK4EA0E | 010TF | | 081700055 | | | | | | | | |

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| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |
| SUSAP | KDFWK4DGRABE54RW17R | 050BIGGDK4EA0E | 010TF | 00580055 | |
| SUSAP | KDFWK4DGRABE54RW17R | 060CMOREK4EA0E | 010TF | 35410077 | |
| SUSAP | KDFWK4DGRABE54RW17R | 070GRABEK4EA0EE | 010TF | 33860288 | |
| SUSAP | KDFWK4DGRABE54RW18L | 010 0 | VI | 1743 | 18000 |
| SUSAP | KDFWK4DGRABE54RW18L | 020BPARKK4EA0E | 010CF TTT K4 | 1941006019050053D | |
| SUSAP | KDFWK4DGRABE54RW18L | 030YAMELK4EA0E | 010TF | 25290031 | - 05000 240 - |
| SUSAP | KDFWK4DGRABE54RW18L | 040FIRMNK4EA0E | 010TF | 26820051 | |
| SUSAP | KDFWK4DGRABE54RW18L | 050BINGMK4EA0E | 010TF | 33210045 | |
| SUSAP | KDFWK4DGRABE54RW18L | 060BEMMRK4EA0E | 010TF | 35520096 | |
| SUSAP | KDFWK4DGRABE54RW18L | 070GRABEK4EA0EE | 010TF | 02390311 | |
| SUSAP | KDFWK4DGRABE54RW18R | 010 0 | VI | 1743 | 18000 |
| SUSAP | KDFWK4DGRABE54RW18R | 020BPARKK4EA0E | 010CF TTT K4 | 1941006019000048D | |
| SUSAP | KDFWK4DGRABE54RW18R | 030YAMELK4EA0E | 010TF | 25290031 | + 05000 240 - |
| SUSAP | KDFWK4DGRABE54RW18R | 040FIRMNK4EA0E | 010TF | 26820051 | |
| SUSAP | KDFWK4DGRABE54RW18R | 050BINGMK4EA0E | 010TF | 33210045 | |
| SUSAP | KDFWK4DGRABE54RW18R | 060BEMMRK4EA0E | 010TF | 35520096 | |
| SUSAP | KDFWK4DGRABE54RW18R | 070GRABEK4EA0EE | 010TF | 02390311 | |
| SUSAP | KDFWK4DGRABE54RW31L | 010 0 | VM | 3131 | 18000 |
| SUSAP | KDFWK4DGRABE54RW31L | 020GRABEK4EA0EE | 010DF | | |
| SUSAP | KDFWK4DGRABE54RW31R | 010 0 | VM | 3093 | 18000 |
| SUSAP | KDFWK4DGRABE54RW31R | 020GRABEK4EA0EE | 010DF | | |
| SUSAP | KDFWK4DGRABE54RW35C | 010 0 | VA | 3543 | + 01120 18000 |
| SUSAP | KDFWK4DGRABE54RW35C | 020CUZENK4EA0E | 010DF | | + 05000 240 - |
| SUSAP | KDFWK4DGRABE54RW35C | 030GRABEK4EA0EE | 010TF | 00210226 | |
| SUSAP | KDFWK4DGRABE54RW35L | 010 0 | VA | 3543 | + 01120 18000 |
| SUSAP | KDFWK4DGRABE54RW35L | 020CUZENK4EA0E | 010DF | | + 05000 240 - |
| SUSAP | KDFWK4DGRABE54RW35L | 030GRABEK4EA0EE | 010TF | 00210226 | |
| SUSAP | KDFWK4DGRABE54RW36B | 010 0 | VA | 3543 | + 01120 18000 |
| SUSAP | KDFWK4DGRABE54RW36B | 020HAZXLK4EA0E | 010DF | | + 05000 240 - |
| SUSAP | KDFWK4DGRABE54RW36B | 030RYNNEK4EA0E | 010TF | 3469C050 | |
| SUSAP | KDFWK4DGRABE54RW36B | 040GRABEK4EA0EE | 010TF | 01030186 | |
| SUSAP | KDFWK4DGRABE56EAKER | 010GRABEK4EA0E | IF | | 18000 |
| SUSAP | KDFWK4DGRABE56EAKER | 020EAKERK4EA0EE | 010TF | 01210546 | |
| SUSAP | KDFWK4DGRABE56OKM | 010GRABEK4EA0E | IF | | 18000 |
| SUSAP | KDFWK4DGRABE56OKM | 020EAKERK4EA0E | 010TF | 01210546 | |
| SUSAP | KDFWK4DGRABE56OKM | 030OKM K4D OVE | 010TF | 0181C904 | |

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| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |
| SUSAP KDFWK4GRW35L | 0134013543 | N32524402W097014829+0000 | +0144700563000047200IIUWX1 | | |
| SUSAP KDFWK4GRW36L | 0134003543 | N32524435W097031740+0200 | +0150400582000055150IIBXN1 | | |
| SUSAP KDFWK4GRW36R | 0134003543 | N32524430W097030333+0200 | +0148300575000050200IIFJN1 | | |

QUALITY
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DEPARTURE (DATA RECORD)

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| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |

ARINC SUMMARY - 424-18 - SID

| ROUTES | TRANSITION | FIX | SEQ | USE | PATH | TURN | FO/FB | RNP | MAG(TRUE) | DISTANCE | ALTITUDE | SPEED |
|--------|------------|-------|-----|-----|------|------|-------|-----|-----------|----------|----------|--------|
| | RW17C | | 010 | | VI | | FB | | 174.3() | | | |
| | RW17C | NAVYE | 020 | | CF | | FB | 1.0 | 155.2() | 004.9 | | |
| | RW17C | JGIRL | 030 | | TF | | FB | 1.0 | 104.5() | 003.0 | AA 05000 | AB 240 |
| | RW17C | CORTS | 040 | | TF | | FB | 1.0 | 081.7() | 005.5 | | |
| | RW17C | BIGGD | 050 | | TF | | FB | 1.0 | 005.8() | 005.5 | | |
| | RW17C | CMORE | 060 | | TF | | FB | 1.0 | 354.1() | 007.7 | | |
| | RW17C | GRABE | 070 | | TF | | FB | 1.0 | 338.6() | 028.8 | | |
| | RW17R | | 010 | | VI | | FB | | 174.3() | | | |
| | RW17R | NAVYE | 020 | | CF | | FB | 1.0 | 153.0() | 005.0 | | |
| | RW17R | JGIRL | 030 | | TF | | FB | 1.0 | 104.5() | 003.0 | AA 05000 | AB 240 |
| | RW17R | CORTS | 040 | | TF | | FB | 1.0 | 081.7() | 005.5 | | |
| | RW17R | BIGGD | 050 | | TF | | FB | 1.0 | 005.8() | 005.5 | | |
| | RW17R | CMORE | 060 | | TF | | FB | 1.0 | 354.1() | 007.7 | | |
| | RW17R | GRABE | 070 | | TF | | FB | 1.0 | 338.6() | 028.8 | | |
| | RW18L | | 010 | | VI | | FB | | 174.3() | | | |
| | RW18L | BPARK | 020 | | CF | | FB | 1.0 | 190.5() | 005.3 | | |
| | RW18L | YAMEL | 030 | | TF | | FB | 1.0 | 252.9() | 003.1 | AA 05000 | AB 240 |
| | RW18L | FIRMN | 040 | | TF | | FB | 1.0 | 268.2() | 005.1 | | |
| | RW18L | BINGM | 050 | | TF | | FB | 1.0 | 332.1() | 004.5 | | |
| | RW18L | BEMMR | 060 | | TF | | FB | 1.0 | 355.2() | 009.6 | | |
| | RW18L | GRABE | 070 | | TF | | FB | 1.0 | 023.9() | 031.1 | | |
| | RW18R | | 010 | | VI | | FB | | 174.3() | | | |
| | RW18R | BPARK | 020 | | CF | | FB | 1.0 | 190.0() | 004.8 | | |
| | RW18R | YAMEL | 030 | | TF | | FB | 1.0 | 252.9() | 003.1 | AA 05000 | AB 240 |
| | RW18R | FIRMN | 040 | | TF | | FB | 1.0 | 268.2() | 005.1 | | |
| | RW18R | BINGM | 050 | | TF | | FB | 1.0 | 332.1() | 004.5 | | |
| | RW18R | BEMMR | 060 | | TF | | FB | 1.0 | 355.2() | 009.6 | | |
| | RW18R | GRABE | 070 | | TF | | FB | 1.0 | 023.9() | 031.1 | | |
| | RW31L | | 010 | | VM | | FB | | 313.1() | | | |
| | RW31L | GRABE | 020 | | DF | | FB | 1.0 | | | | |
| | RW31R | | 010 | | VM | | FB | | 309.3() | | | |
| | RW31R | GRABE | 020 | | DF | | FB | 1.0 | | | | |
| | RW35C | | 010 | | VA | | FB | | 354.3() | | AA 01120 | |
| | RW35C | CUZEN | 020 | | DF | | FB | 1.0 | | | AA 05000 | AB 240 |
| | RW35C | GRABE | 030 | | TF | | FB | 1.0 | 002.1() | 022.6 | | |
| | RW35L | | 010 | | VA | | FB | | 354.3() | | AA 01120 | |
| | RW35L | CUZEN | 020 | | DF | | FB | 1.0 | | | AA 05000 | AB 240 |
| | RW35L | GRABE | 030 | | TF | | FB | 1.0 | 002.1() | 022.6 | | |
| | RW36B | | 010 | | VA | | FB | | 354.3() | | AA 01120 | |
| | RW36B | HAZKL | 020 | | DF | | FB | 1.0 | | | AA 05000 | AB 240 |
| | RW36B | RYNNE | 030 | | TF | | FB | 1.0 | 346.9() | 005.0 | | |
| | RW36B | GRABE | 040 | | TF | | FB | 1.0 | 010.3() | 018.6 | | |

DEPARTURE (DATA RECORD)

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|------------|--------|------------------|-------------------|------------|----------------|
| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |

| | | | | | | | |
|-------|-------|-----|----|----|-----|---------|-------|
| EAKER | GRABE | 010 | IF | FB | | | |
| EAKER | EAKER | 020 | TF | FB | 1.0 | 012.1() | 054.6 |
| OKM | GRABE | 010 | IF | FB | | | |
| OKM | EAKER | 020 | TF | FB | 1.0 | 012.1() | 054.6 |
| OKM | OKM | 030 | TF | FB | 1.0 | 018.1() | 090.4 |

| POINT DATA | WAYPOINT | LAT IN SECS | LONG IN SECS | LAT IN MINS | LONG IN MINS |
|------------|----------|-------------|--------------|-------------|--------------|
| | OKM | N354135.15 | W0955157.53 | N3541.586 | W09551.959 |
| | TTT | N325208.98 | W0970225.81 | N3252.150 | W09702.430 |
| | BEMMR | N330006.19 | W0971613.39 | N3300.103 | W09716.223 |
| | BIGGD | N325131.59 | W0964833.10 | N3251.527 | W09648.552 |
| | BINGM | N325027.25 | W0971627.44 | N3250.454 | W09716.457 |
| | BPARK | N324631.76 | W0970451.51 | N3246.529 | W09704.859 |
| | CMORE | N325916.66 | W0964832.49 | N3259.278 | W09648.542 |
| | CORTS | N324607.65 | W0964953.59 | N3246.128 | W09649.893 |
| | CUZEN | N330439.55 | W0970130.12 | N3304.659 | W09701.502 |
| | EAKER | N341902.72 | W0963711.52 | N3419.045 | W09637.192 |
| | FIRMN | N324617.77 | W0971428.77 | N3246.296 | W09714.480 |
| | GRABE | N332705.25 | W0965741.50 | N3327.088 | W09657.692 |
| | HAZKL | N330415.04 | W0970311.58 | N3304.251 | W09703.193 |
| | JGIRL | N324554.36 | W0965621.63 | N3245.906 | W09656.361 |
| | NAVYE | N324657.75 | W0965942.05 | N3246.963 | W09659.701 |
| | RYNNE | N330913.30 | W0970355.92 | N3309.222 | W09703.932 |
| | YAMEL | N324555.70 | W0970828.05 | N3245.928 | W09708.468 |
| | RW17C | N325456.55 | W0970133.49 | N3254.943 | W09701.558 |
| | RW17R | N325456.60 | W0970147.58 | N3254.943 | W09701.793 |
| | RW18L | N325456.88 | W0970302.65 | N3254.948 | W09703.044 |
| | RW18R | N325456.93 | W0970316.71 | N3254.949 | W09703.279 |
| | RW31L | N325324.97 | W0970347.79 | N3253.416 | W09703.797 |
| | RW31R | N325341.93 | W0970003.04 | N3253.699 | W09700.051 |
| | RW35C | N325243.96 | W0970134.22 | N3252.733 | W09701.570 |
| | RW35L | N325244.02 | W0970148.29 | N3252.734 | W09701.805 |
| | RW36L | N325244.35 | W0970317.40 | N3252.739 | W09703.290 |
| | RW36R | N325244.30 | W0970303.33 | N3252.738 | W09703.056 |

| RUNWAY DATA | RWY | THRESHOLD ELEVATION | TCH |
|-------------|-------|------------------------|-----|
| | RW17C | 00562 | 58 |
| | RW17R | 00567 | 54 |
| | RW18L | 00602 | 55 |
| | RW18R | 00607 | 59 |
| | RW31L | 00577 | 54 |
| | RW31R | 00508 | 53 |
| | RW35C | 00562 | 59 |
| | RW35L | 00563 | 47 |

DEPARTURE (DATA RECORD)

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|------------|-------------|------------------|-------------------|------------|----------------|
| GRABE RNAV | FIVE | GRABE5.GRABE | FOUR | 04/05/2012 | 15 NOV 2012 |
| | RW36L 00582 | 55 | | | |
| | RW36R 00575 | 50 | | | |