

US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.
 Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
OHIO	THREE	OHIO.OHIO3	TWO	24 JUL 2014	25 JUN 2015

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX / NAVAID	To FIX / NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
ALEXANDRIA	AEX.OHIO3	AEX VORTAC	LYMBO	251.49 (AEX R-251)	79.42	10000	2000		
			ZEEKK	226.40 (IAH R-046)	34.30	10000	2000		
			GESNR	226.40 (IAH R-046)	12.93	10000	1600		
			OHIO	226.40 (IAH R-046)	25.45	3000	2200		
LUFKIN	LFK.OHIO3	LFK VORTAC	ZEEKK	158.62 (LFK R-159)	39.09	10000	10000		
			GESNR	226.40 (IAH R-046)	12.93	10000	1600		
			OHIO	226.40 (IAH R-046)	25.45	3000	2200		

ARRIVAL ROUTE DESCRIPTION:

GEORGE BUSH INTERCONTINENTAL AIRPORT/HOUSTON (IAH)

...FROM OHIO ON IAH R-046 TO PNUUT. THENCE...

LANDING RUNWAY 8L/8R OR 9:

...FLY HEADING 265 FOR VECTORS TO FINAL APPROACH COURSE.

LANDING ALL OTHER RUNWAYS:

...EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO PNUUT.

FOR ALL OTHER AIRPORTS

...FROM OHIO ON IAH R-046 TO PNUUT. EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO PNUUT.

PROCEDURAL DATA NOTES:

CHART: ZEEKK VERTICAL NAVIGATION PLANNING INFORMATION: TURBOJETS: LANDING EAST AT IAH CROSS ZEEKK AT 280 KIAS, EXPECT CLEARANCE TO CROSS AT 17000. LANDING WEST AT IAH CROSS ZEEKK AT 250 KIAS, EXPECT CLEARANCE TO CROSS AT 12000.

NOTE: DME/DME/IRU OR GPS EQUIPPED TURBOJET AIRCRAFT LANDING IAH MUST FILE THE GESNR/ZEEKK OR DOOBI/SKNRD (RNAV) STAR.

NOTE: ATC ASSIGNED ONLY FOR AIRPORTS OTHER THAN KIAH, KDWH AND KCXO, T78 AND 6R3.

FIXES AND / OR HOLDING PATTERNS:

CHART HOLDING AT LYMBO: HOLD E, RT, 251.29 INBOUND, 20 NM LEGS.

CHART HOLDING AT ZEEKK: HOLD NE, RT, 226.40 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

HOUSTON APP CON. ATIS: IAH, CXO, DWH, HOU, EFD.

AIRPORTS SERVED:

GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX
 WILLIAM P HOBBY, HOUSTON, TX
 CHAMBERS COUNTY, ANAHUAC, TX

DAVID WAYNE HOOKS MEMORIAL, HOUSTON, TX
 LONE STAR EXECUTIVE, HOUSTON, TX
 PEARLAND REGIONAL, HOUSTON, TX



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AIRPORTS SERVED (CONT'D):

TEXAS GULF COAST REGIONAL, ANGELTON / LAKE JACKSON, TX
RWJ AIRPARK, BAYTOWN, TX
SCHOLES INTERNATIONAL AT GALVESTON, GALVESTON, TX
HOUSTON SOUTHWEST, HOUSTON, TX
ELLINGTON, HOUSTON, TX
WEST HOUSTON, HOUSTON, TX

SUGAR LAND REGIONAL, HOUSTON, TX
HOUSTON EXECUTIVE, HOUSTON, TX
LA PORTE MUNICIPAL, LA PORTE, TX
BAYTOWN, BAYTOWN, TX
LIBERTY MUNICIPAL, LIBERTY, TX
CLEVELAND MUNICIPAL, CLEVELAND, TX

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

CHART: MHF: R-326.72 AT OHIO; R-321.79 AT PNUUT.
CHART: DAS: R-342.35/13.03 AT GESNR; R-014.40 AT ZEEKK.
CHART: LFK: R-108.18 AT LYMBO; R-158.62/39.09 AT ZEECK.
CHART: IAH: R-046.40/14.00 AT PNUUT.

CHANGES:

1. ADDED PNUUT TO THE PROCEDURE.
2. REVISED ARRIVAL ROUTE DESCRIPTION.
3. WHACK RENAMED ZEEKK.
4. TWSTD RENAMED GESNR.
5. REMOVED NOTE: DME/DME/IRU EQUIPPED TURBOPROP AIRCRAFT LANDING IAH MUST FILE THE TWSTD (RNAV) STAR.

4/22/2015: THIS IS AN UPDATED COPY OF THE FORM
DEVELOPED ON 7/11/2014.
1. MOCA ON LFK R-159 RAISED TO 10,000 PER
FLIGHT INSPECTION.

REASONS:

IN SUPPORT OF THE HOUSTON OPTIMIZATION OF AIRSPACE AND PROCEDURES IN THE METROPLEX (OAPM) PROJECT.

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STAR (Data Record)

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	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW16	N302146.66	W0950037.81	N3021.778	W09500.630
	RW34	N302059.68	W0950019.95	N3020.995	W09500.333

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00150	52
	RW34	00142	52

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	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

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	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	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	RWY	THRESHOLD ELEVATION	TCH
	RW08	00030	50
	RW14	00033	50
	RW26	00026	40
	RW32	00028	40

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	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
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	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW09	N293023.91	W0952905.10	N2930.399	W09529.085
	RW27	N293020.25	W0952808.65	N2930.338	W09528.144

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

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	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

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	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	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	RWY	THRESHOLD ELEVATION	TCH
	RW01	00230	49
	RW14	00234	47
	RW19	00229	49
	RW32	00241	50

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	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

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	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW17L	N300350.14	W0953308.69	N3003.836	W09533.145
	RW17R	N300414.04	W0953315.88	N3004.234	W09533.265
	RW35L	N300315.10	W0953307.27	N3003.252	W09533.121
	RW35R	N300313.03	W0953303.33	N3003.217	W09533.056

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17L	00150	50
	RW17R	00152	52
	RW35L	00145	45
	RW35R	00144	50

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	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

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	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	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	N293620.87	W0950921.30	N2936.348	W09509.355

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00026	50
	RW17L	00031	50
	RW17R	00032	52
	RW22	00030	54
	RW35L	00028	54
	RW35R	00030	50

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	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

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	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	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	W0945133.66	N2915.420	W09451.561

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00005	53
	RW18	00006	44
	RW32	00005	46
	RW36	00005	45

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	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
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	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW04	N293820.80	W0951707.16	N2938.347	W09517.119
	RW12L	N293909.38	W0951701.94	N2939.156	W09517.032
	RW12R	N293856.26	W0951659.41	N2938.938	W09516.990
	RW17	N293908.50	W0951704.80	N2939.142	W09517.080
	RW22	N293914.97	W0951607.36	N2939.250	W09516.123
	RW30L	N293811.13	W0951605.82	N2938.186	W09516.097
	RW30R	N293834.02	W0951619.93	N2938.567	W09516.332
	RW35	N293809.12	W0951703.54	N2938.152	W09517.059

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00042	57
	RW12L	00045	60
	RW12R	00046	49
	RW17	00045	40
	RW22	00039	52

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RW30L	00042	58
RW30R	00040	50
RW35	00043	41

QUALITY
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Arrival Name
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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW14	N294720.80	W0945719.10	N2947.347	W09457.318
	RW32	N294658.52	W0945659.68	N2946.975	W09456.995

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00032	40
	RW32	00028	40

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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIO	040		TF		FB					
		OHIO	010		IF		FB					
		PNUUT	020		TF		FO					
	RW08B	PNUUT	010		IF		FB					
	RW08B	KIAH	020		VM		FB		265.0()			
	RW09	PNUUT	010		IF		FB					
	RW09	KIAH	020		VM		FB		265.0()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW08L	N300025.78	W0952131.65	N3000.430	W09521.528
	RW08R	N295936.30	W0952117.87	N2959.605	W09521.298
	RW09	N295839.34	W0952002.79	N2958.656	W09520.047

RUNWAY DATA	THRESHOLD RWY	ELEVATION	TCH
	RW08L	00091	55
	RW08R	00095	55
	RW09	00091	56

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW15	N294923.17	W0954030.97	N2949.386	W09540.516
	RW33	N294847.80	W0954011.78	N2948.797	W09540.196

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

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW17	N290705.76	W0952743.59	N2907.096	W09527.727
	RW35	N290556.47	W0952743.49	N2905.941	W09527.725

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00025	52
	RW35	00024	50

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW14	N293134.05	W0951445.86	N2931.568	W09514.764
	RW32	N293059.22	W0951417.63	N2930.987	W09514.294

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00044	50
	RW32	00039	40

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW17	N293755.81	W0953926.90	N2937.930	W09539.448
	RW35	N293700.21	W0953921.64	N2937.004	W09539.361

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

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW12	N294621.84	W0943957.96	N2946.364	W09439.966
	RW30	N294603.23	W0943931.37	N2946.054	W09439.523

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW12	00020	40
	RW30	00020	50

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	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	RWY	THRESHOLD ELEVATION	TCH
	RW05	00023	50
	RW12	00025	45
	RW23	00024	50
	RW30	00024	40

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW16	N300458.29	W0944200.07	N3004.972	W09442.001
	RW34	N300421.82	W0944149.44	N3004.364	W09441.824

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	00069	40
	RW34	00069	50

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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	LYMBO	020		TF		FB					
	AEX	ZEEKK	030		TF		FB					
	AEX	GESNR	040		TF		FB					
	AEX	OHIIO	050		TF		FB					
	LFK	LFK	010		IF		FB					
	LFK	ZEEKK	020		TF		FB					
	LFK	GESNR	030		TF		FB					
	LFK	OHIIO	040		TF		FB					
	ALL	OHIIO	010		IF		FB					
	ALL	PNUUT	020		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	LFK	N310944.79	W0944300.60	N3109.747	W09443.010
	GESNR	N302407.78	W0944200.06	N3024.130	W09442.001
	LYMBO	N305320.07	W0935854.63	N3053.335	W09358.911
	OHIIO	N300817.61	W0950502.55	N3008.294	W09505.043
	PNUUT	N300609.62	W0950807.77	N3006.160	W09508.130
	ZEEKK	N303208.86	W0943014.89	N3032.148	W09430.248
	RW18	N294850.85	W0955352.86	N2948.848	W09553.881
	RW36	N294745.40	W0955351.88	N2947.757	W09553.865

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00166	40
	RW36	00163	40

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