Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: SID	Date Open: 01/31/2012	Task #: 2012013123347001002	Request #: 20120131233470
Procedure: SID LAKES SEVEN KANSAS CITY MO KMCI		Airport ID: KMCI	Airport: KANSAS CITY INTL		Reimbursable #:
City: KANSAS CITY	ST: MO	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID: MCI	Fac. Type: Proc-T	Specialist: JILL OLSON			

P2

Procedure Review

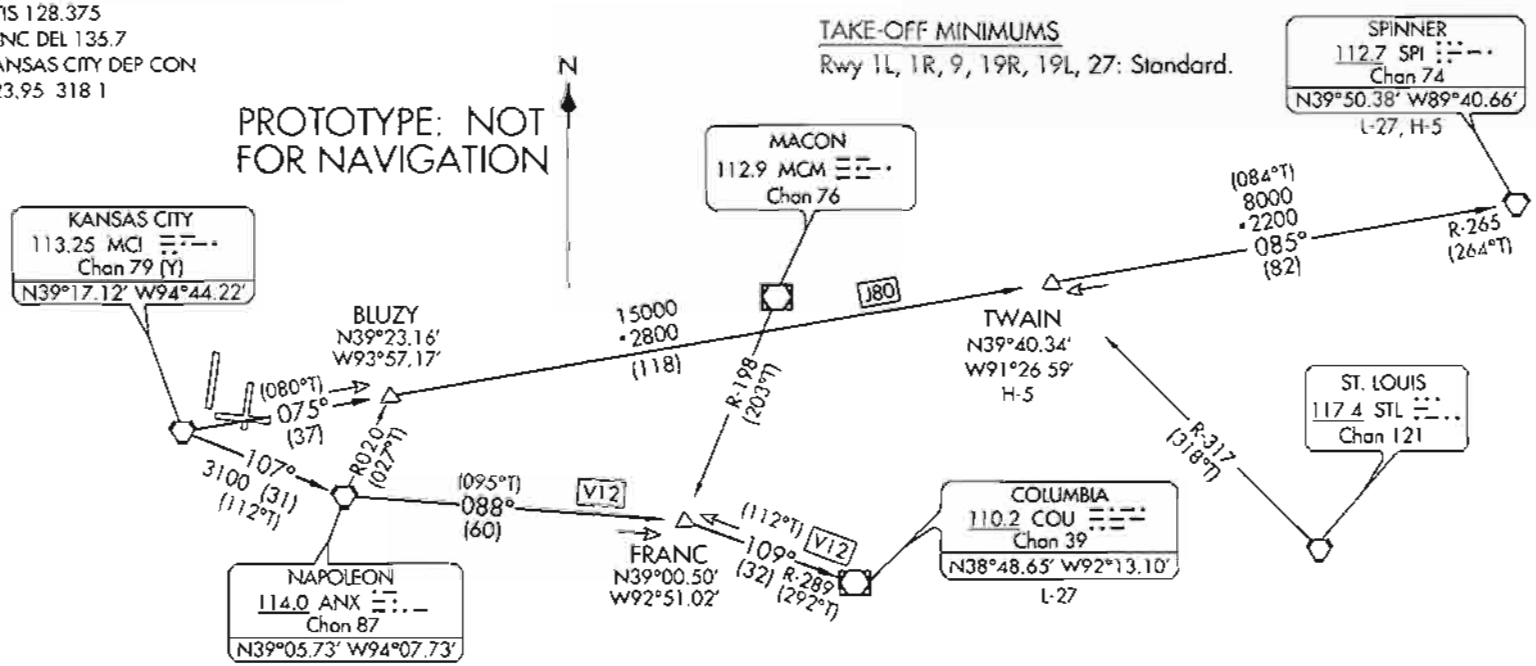
	Rec'd	Rel'd	Full Name	Comments
Lead:	05/29/2012	08/01/2012	JILL OLSON	
QA:	08/01/2012	08/01/2012	DAVID PUGLISI	
Liaison:	08/01/2012		K. Spurlin	P2

Procedure Comments: ENROUTE **Remark Type:** INFORMATION PKG 6 of 9

KANSAS CITY, MO KANSAS CITY INTL (KMCI) SID LAKES SEVEN ENROUTE-YES FC BY 9/18/12 PUB 11/15/12
ATTACHED FORMS: 8260-15B; 8260-2(S): BLUZY INT, ORIG; COLUMBIA VOR/DME, REV 6 (INFO ONLY); FRANC INT, REV 8 (INFO ONLY); MACON VOR/DME, REV 8 (INFO ONLY); NAPOLEON VORTAC, REV 12 (INFO ONLY); SPINNER VORTAC, REV 15 (INFO ONLY); TWAIN INT, REV 4 (INFO ONLY)
CANCELS FDC 1/4933
CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307

ATIS 128.375
CLNC DEL 135.7
KANSAS CITY DEP CON
123.95 318.1

PROTOTYPE: NOT FOR NAVIGATION



TAKE-OFF MINIMUMS

Rwy 1L, 1R, 9, 19R, 19L, 27: Standard.

TAKE-OFF OBSTACLE NOTES

Rwy 1R: Tree 1653' from DER, 661' left of centerline, 60' AGL/1019' MSL.
Rwy 9: Tree 4544' from DER, 638' right of centerline, 100' AGL/1159' MSL.
Rwy 27: Trees beginning 1066' from DER, across centerline, up to 86' AGL/1095' MSL.

NOTE: RADAR required.

NOTE Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RWYS: Fly assigned heading and altitude for vector to appropriate route. Expect filed altitiude 10 minutes after departure.

COLUMBIA TRANSITION (LAKES7.COU): From over MCI VORTAC via MCI R-107 to ANX VORTAC, then via ANX R-088 to FRANC INT, then via COU R-289 to COU VOR/DME.

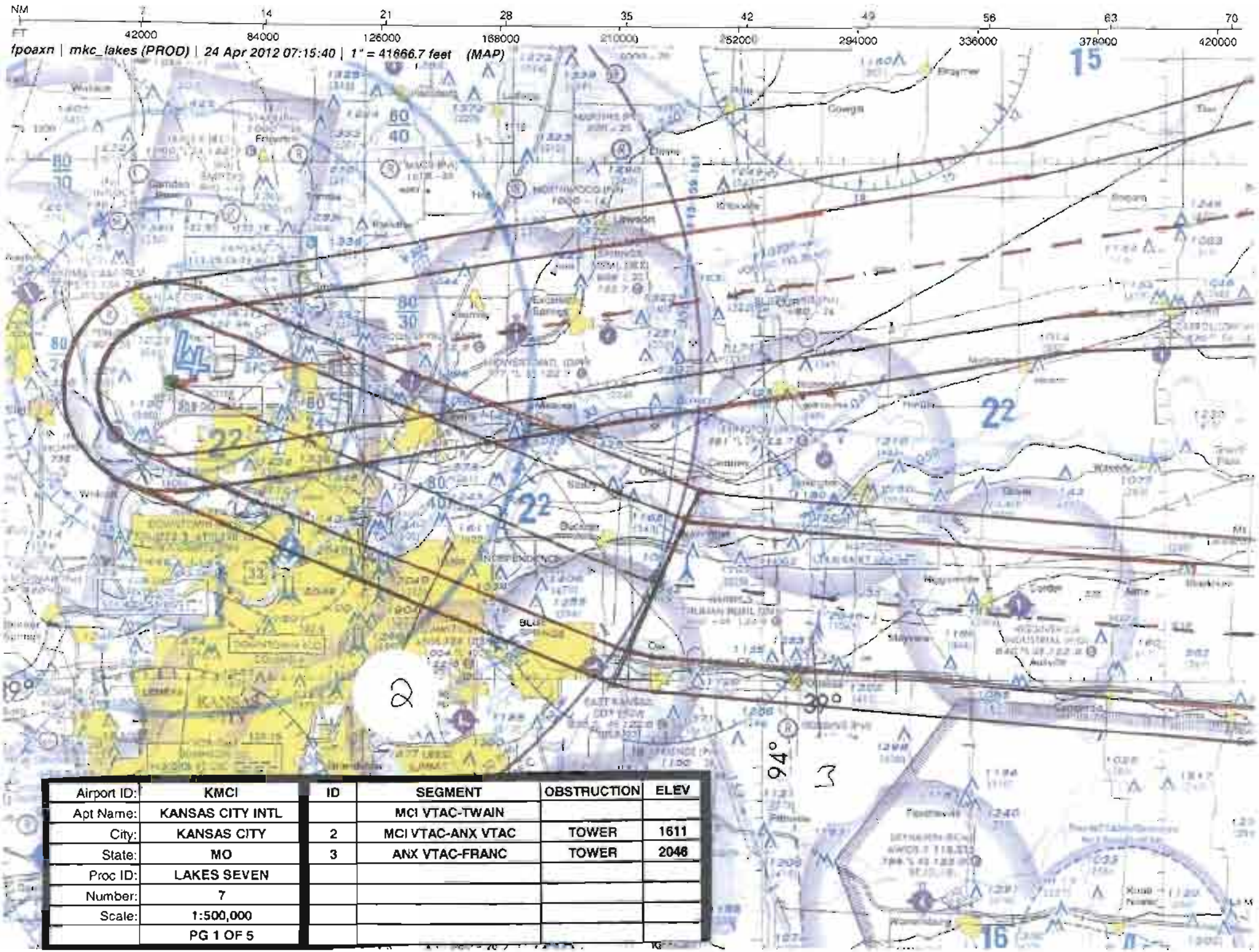
SPINNER TRANSITION (LAKES7.SPI): From over MCI VORTAC via MCI R-075 and SPI R-265 to TWAIN INT, then via SPI R-265 to SPI VORTAC.

TWAIN TRANSITION (LAKES7.TWAIN): From over MCI VORTAC via MCI R-075 and SPI R-265 to TWAIN INT.

(LAKES7.LAKES) FIG
LAKES SEVEN DEPARTURE

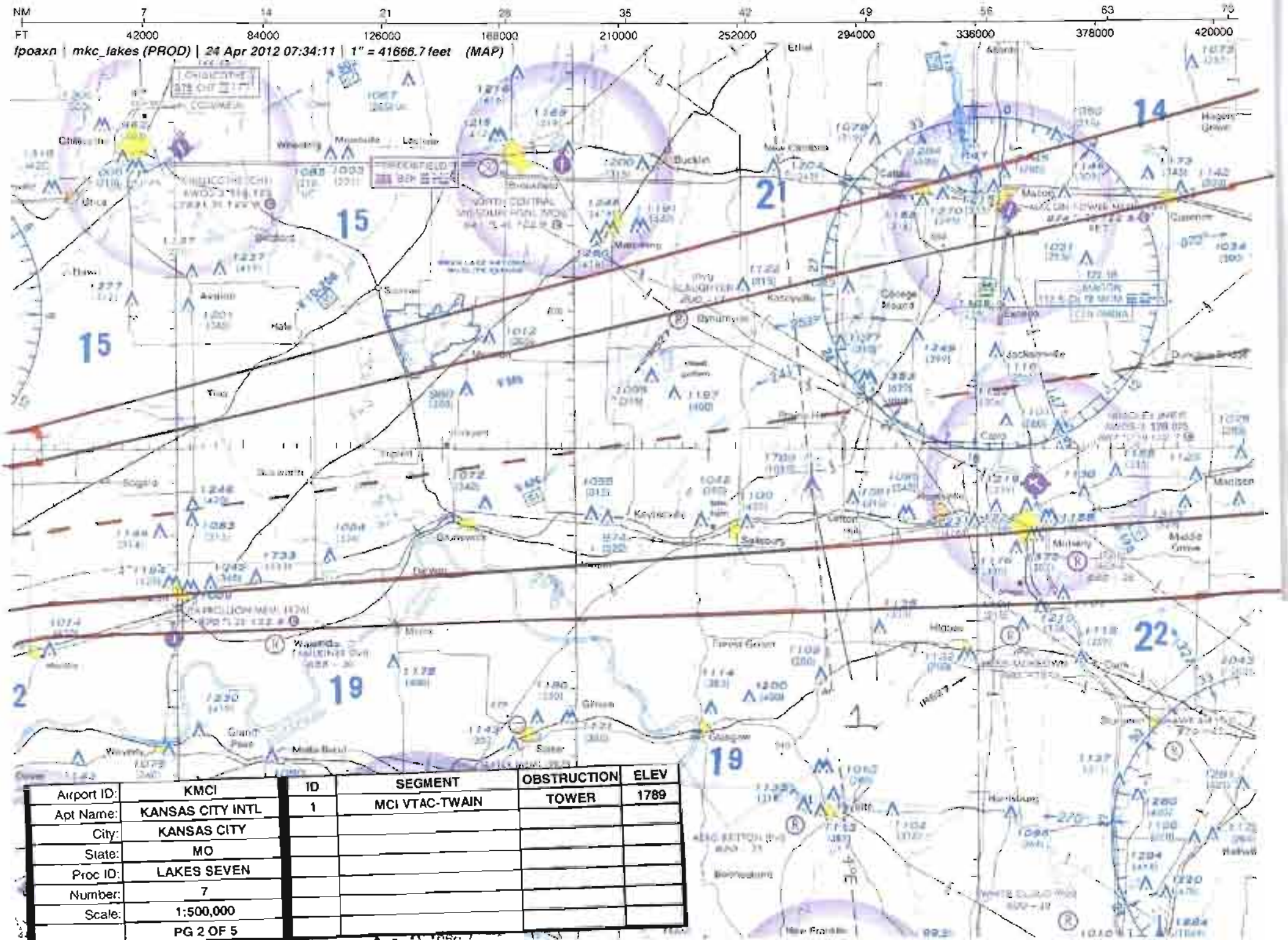
SL-780 (FAA)

KANSAS CITY INTL (MCI)
KANSAS CITY, MISSOURI



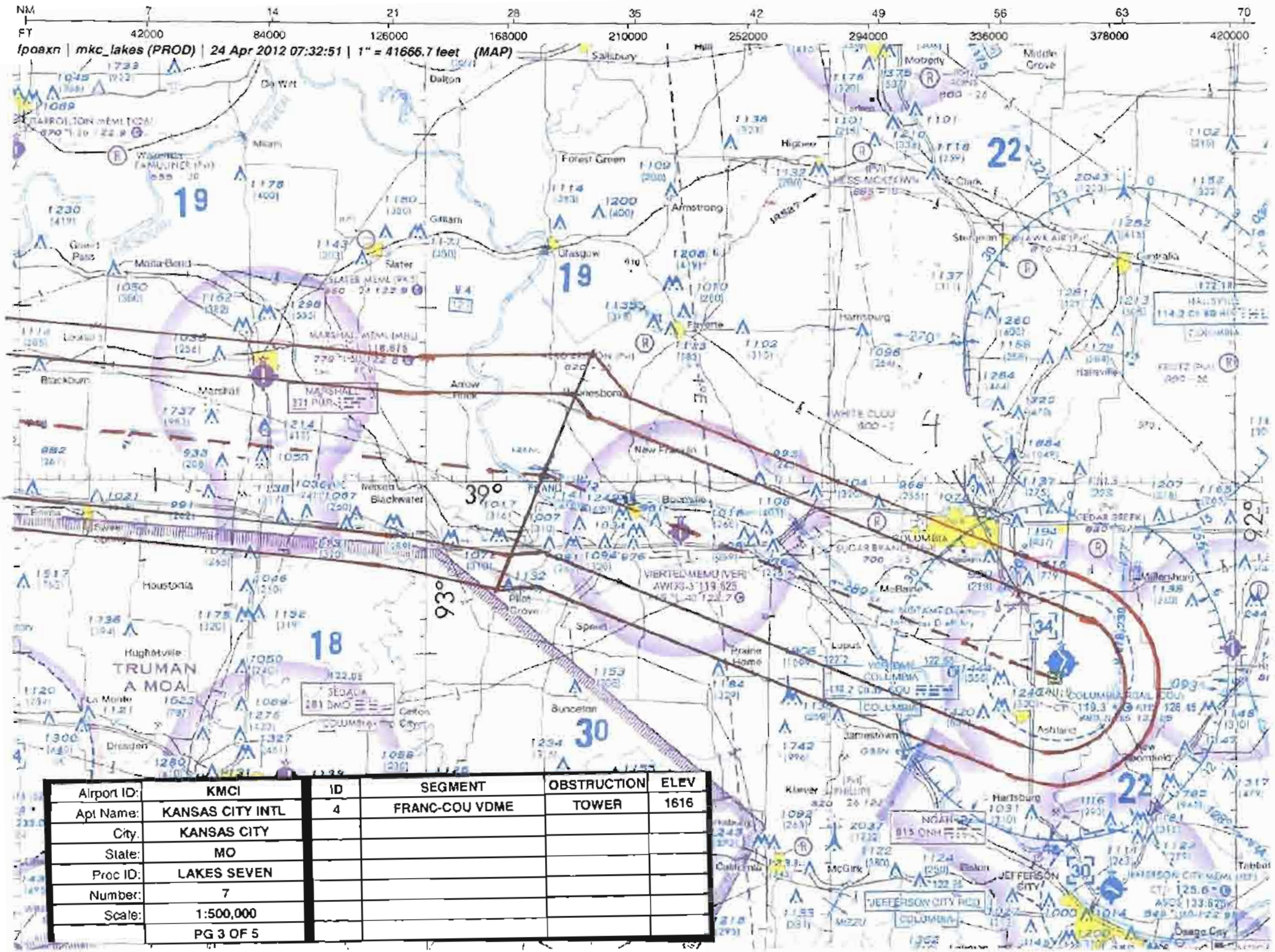
Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	PG 1 OF 5

ID	SEGMENT	OBSTRUCTION	ELEV
	MCI VTAC-TWAIN		
2	MCI VTAC-ANX VTAC	TOWER	1611
3	ANX VTAC-FRANC	TOWER	2046



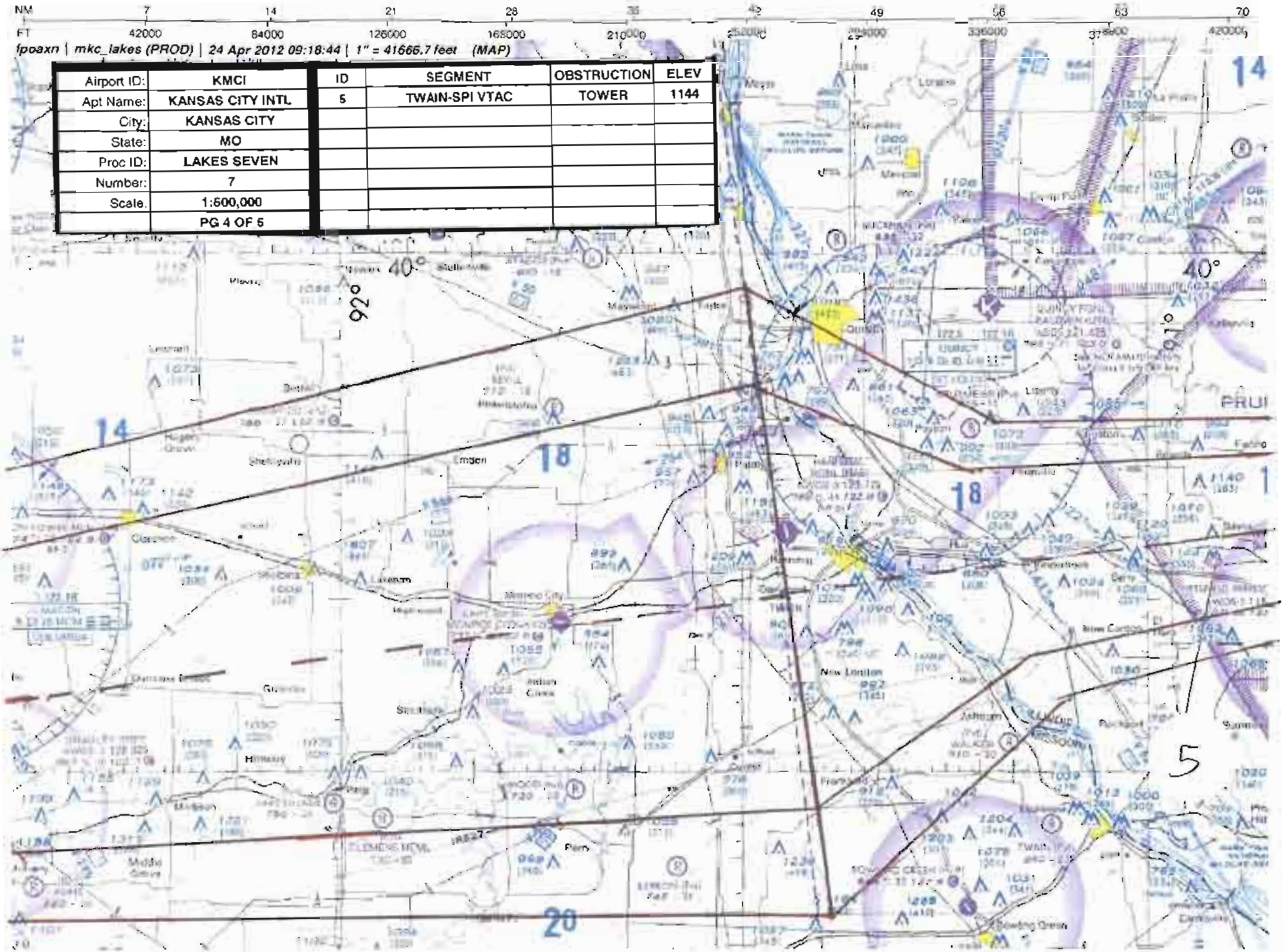
Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	PG 2 OF 5

ID	SEGMENT	OBSTRUCTION	ELEV
1	MCI VTAC-TWAIN	TOWER	1789



Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	PG 3 OF 5

ID	SEGMENT	OBSTRUCTION	ELEV
4	FRANC-COU VDME	TOWER	1616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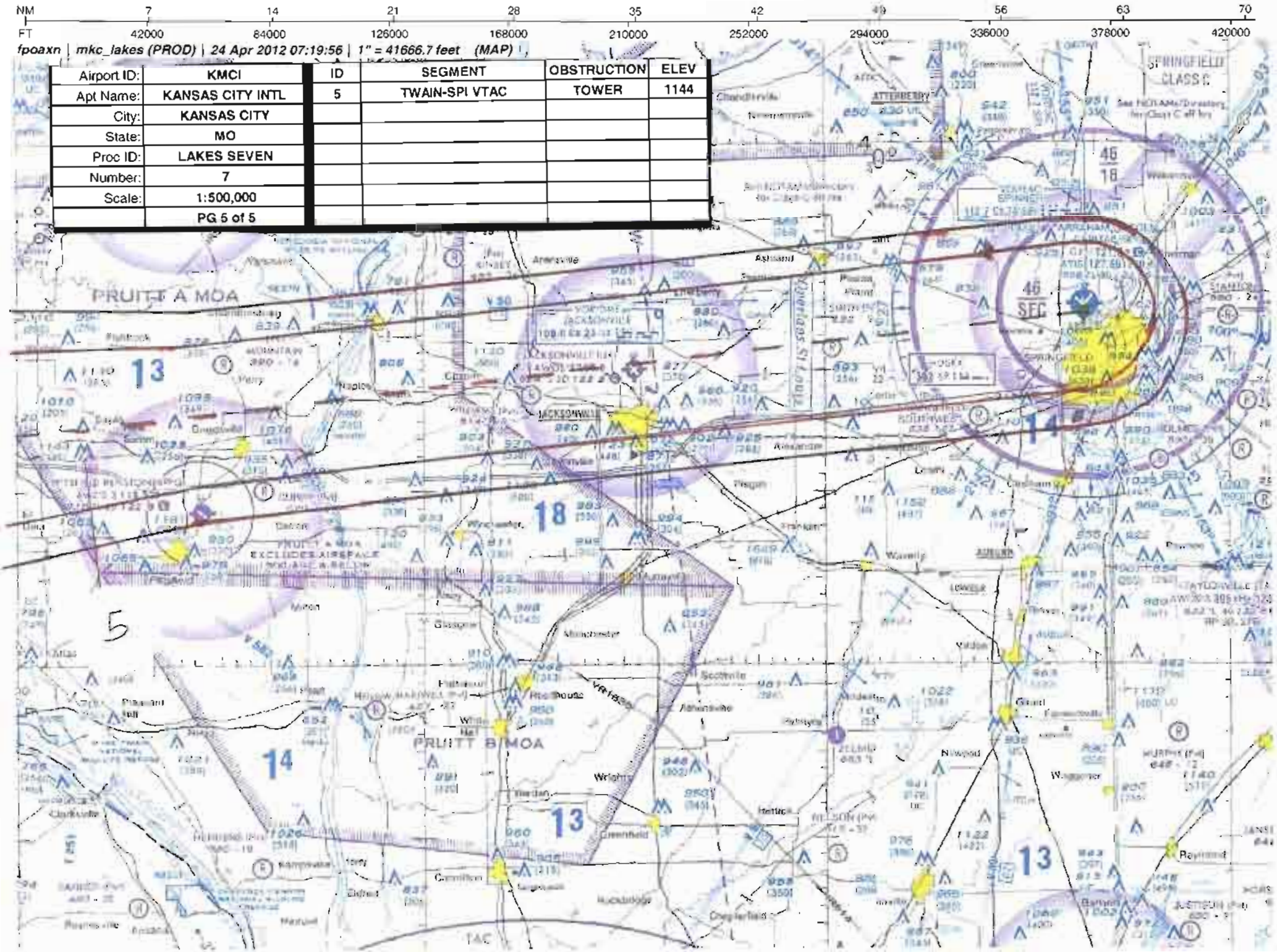
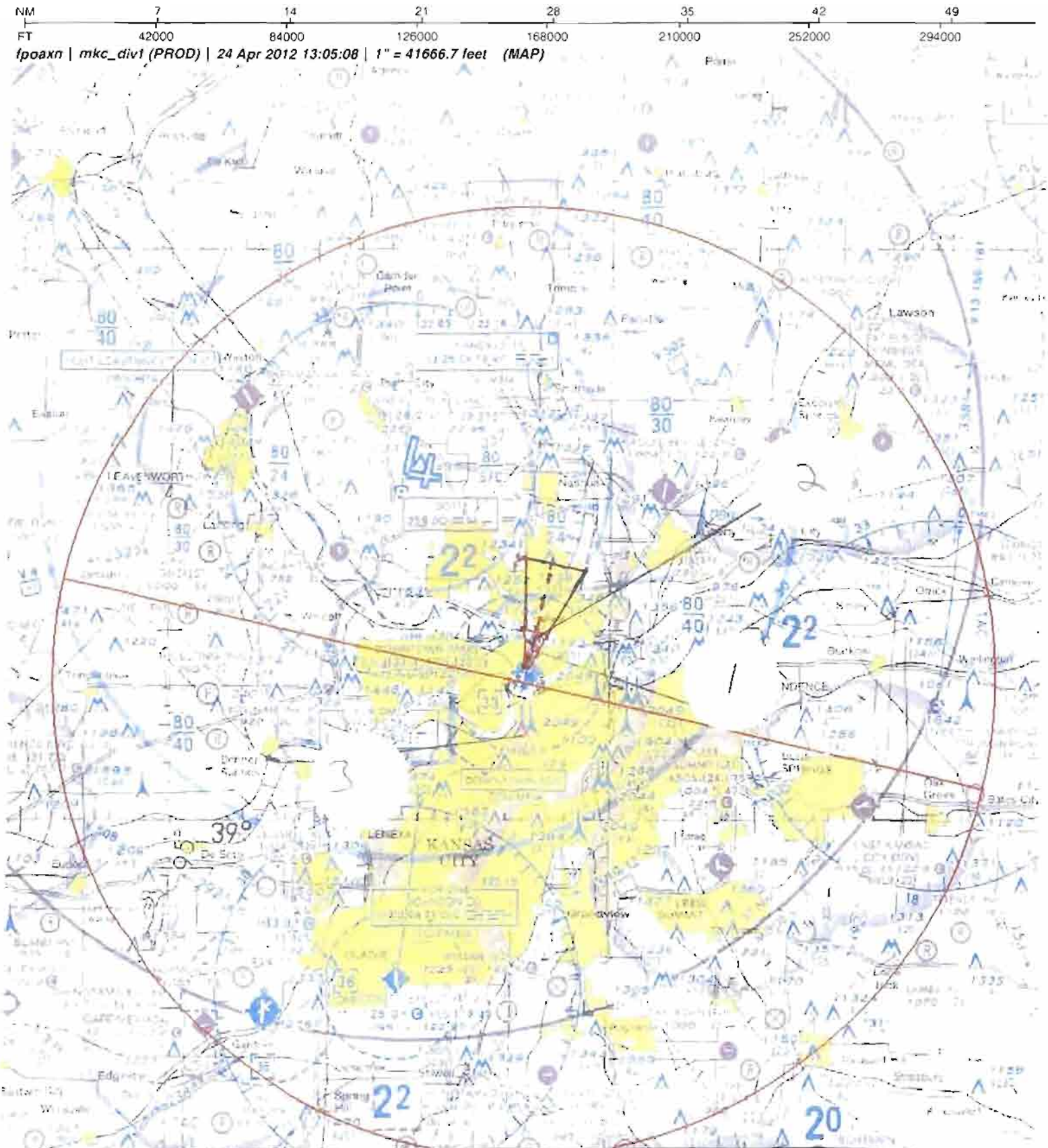
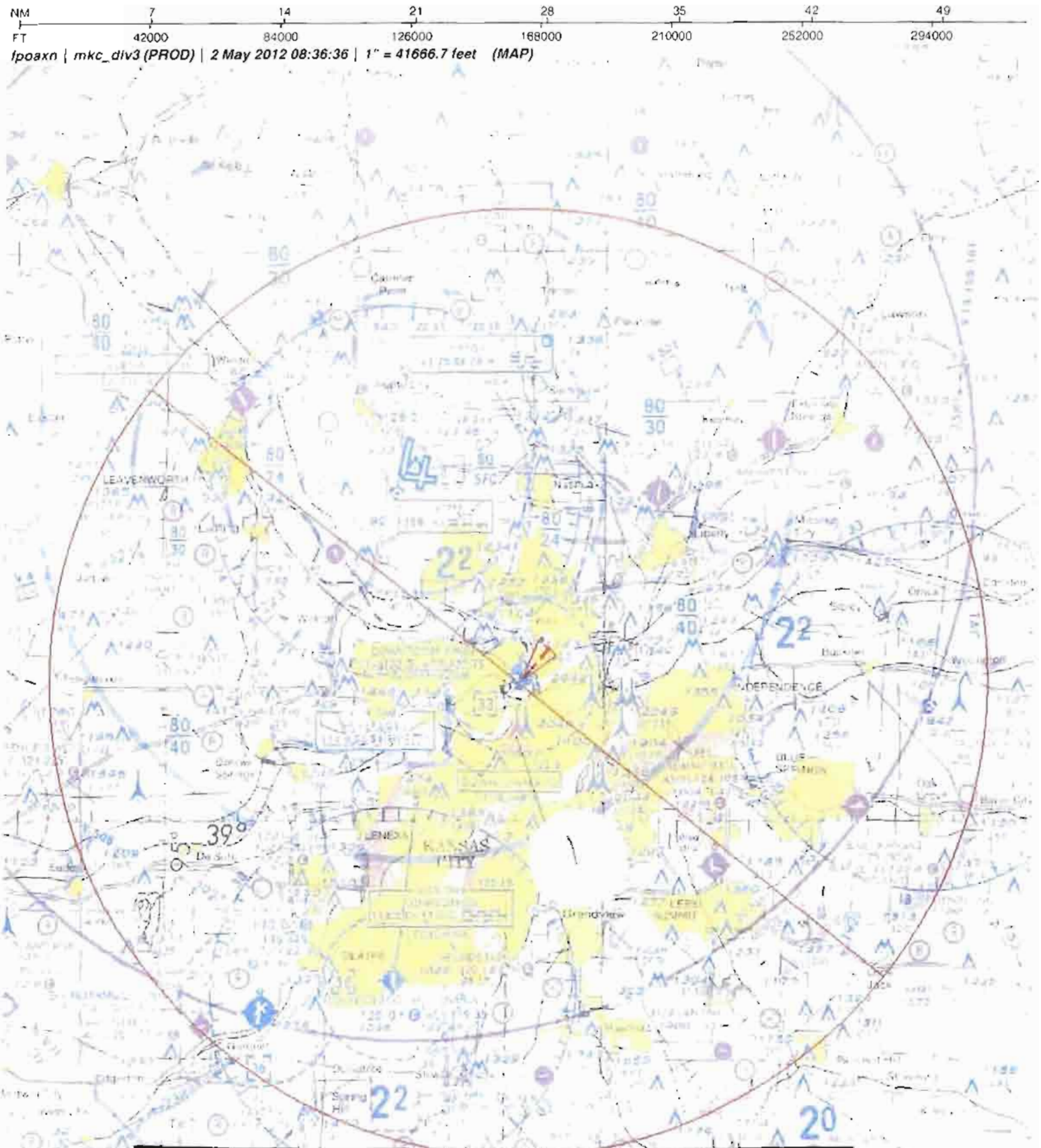
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpoaxn | mkc_lakes (PROD) | 24 Apr 2012 09:18:44 | 1" = 41666.7 feet (MAP)
Airport ID: KMCI
Apt Name: KANSAS CITY INTL
City: KANSAS CITY
State: MO
Proc ID: LAKES SEVEN
Number: 7
Scale: 1:600,000
PG 4 OF 5
ID SEGMENT OBSTRUCTION ELEV
5 TWAIN-SPI VTAC TOWER 1144
92°
91°
40°
14
18
20
PRUI
5


NM 7 14 21 28 35 42 49 56 63 70
FT 42000 84000 126000 168000 210000 252000 294000 336000 378000 420000
fpoaxn | mkc_lakes (PROD) | 24 Apr 2012 07:19:56 | 1" = 41666.7 feet (MAP)
Airport ID: KMCI
Apt Name: KANSAS CITY INTL
City: KANSAS CITY
State: MO
Proc ID: LAKES SEVEN
Number: 7
Scale: 1:500,000
PG 5 of 5
ID SEGMENT OBSTRUCTION ELEV
5 TWAIN-SPI VTAC TOWER 1144
PRUITT A MOA
PRUITT B MOA
EXCLUDES AIRSPACE
13
14
18
46 SEC
46 18
SPRINGFIELD CLASS C
5



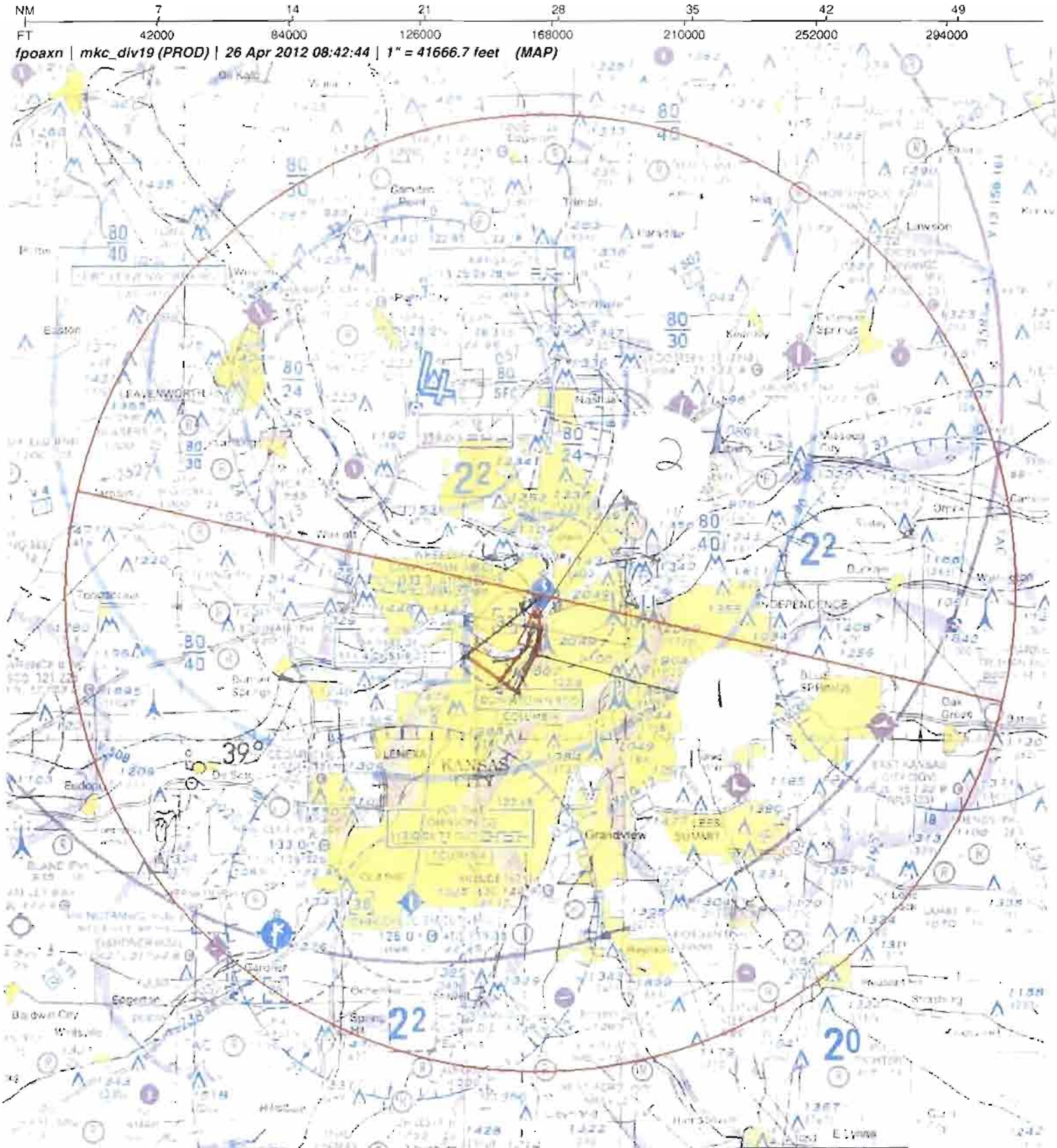
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	RWY 1

ID	SEGMENT	OBSTRUCTION	ELEV
1	307 CG	ELEVATOR	912
2	1100 CGTA, 2 1/4 VIS, 400 FT CEILING	TREE	997
3	2000 CTA	TOWER	2049



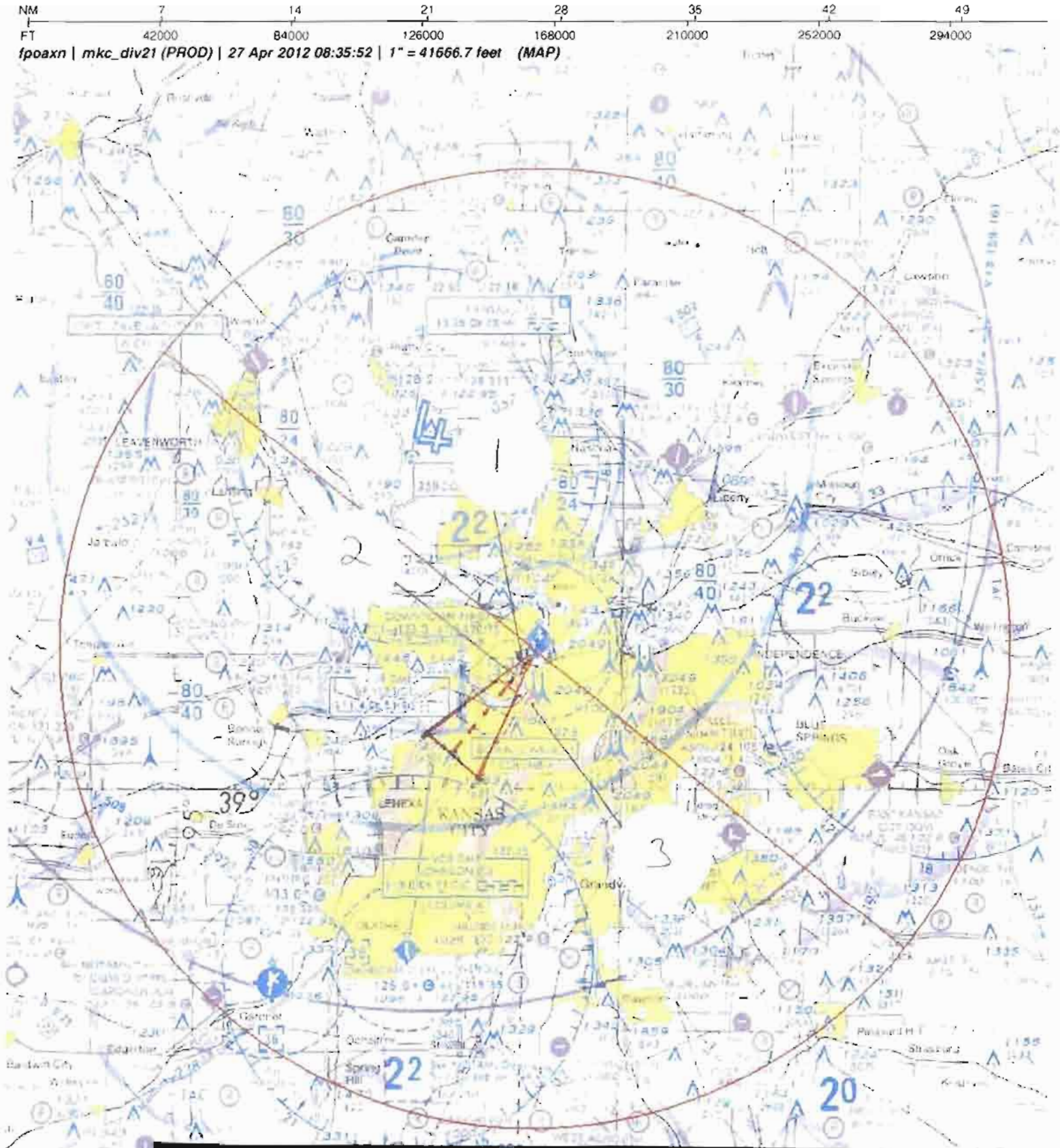
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	RWY 3

ID	SEGMENT	OBSTRUCTION	ELEV
1	1900 CTA	TOWER	2049



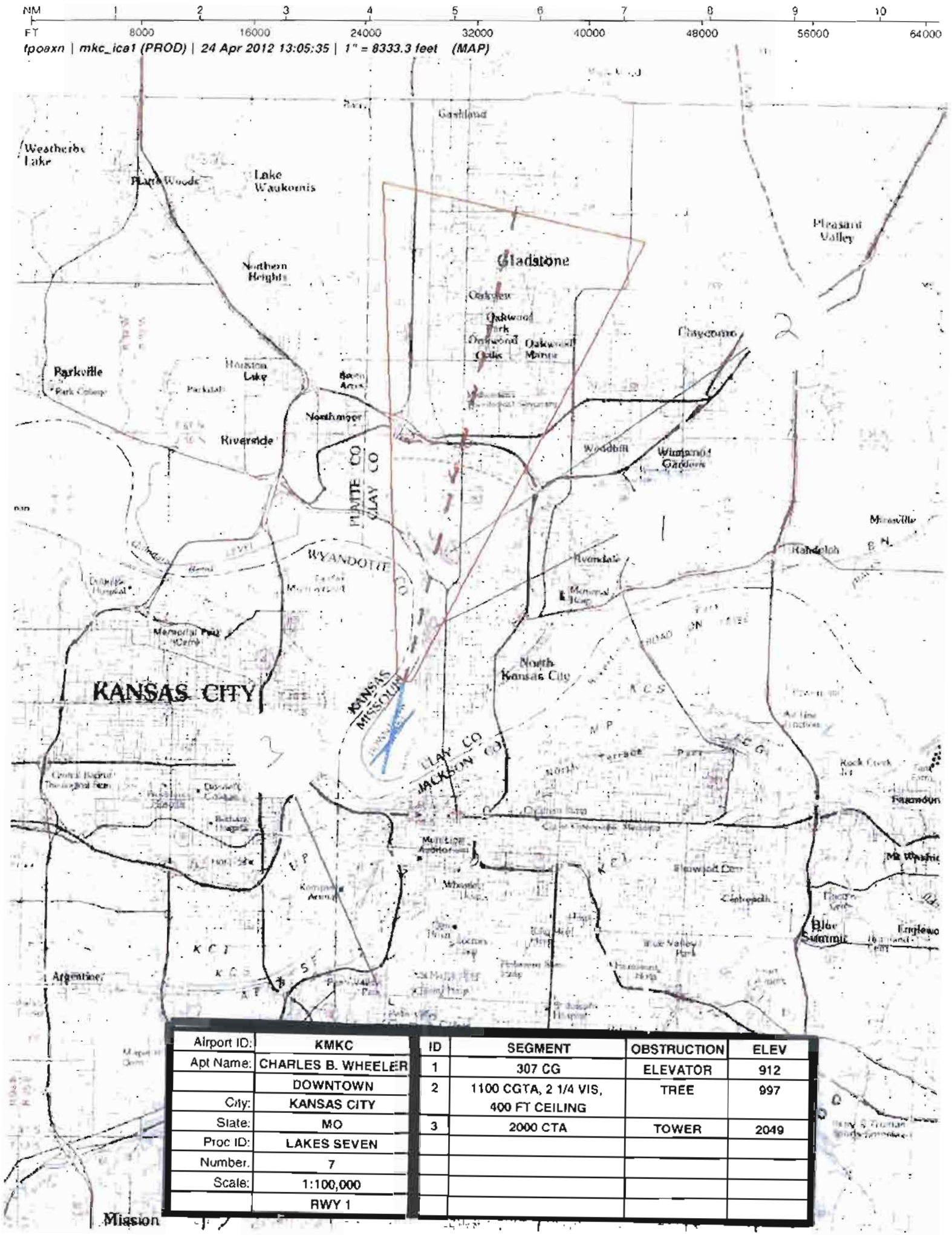
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:100,000
	RWY 19

ID	SEGMENT	OBSTRUCTION	ELEV
1	2500 CGTA & CTA	TOWER	2049
2	400 CG	STACK	908



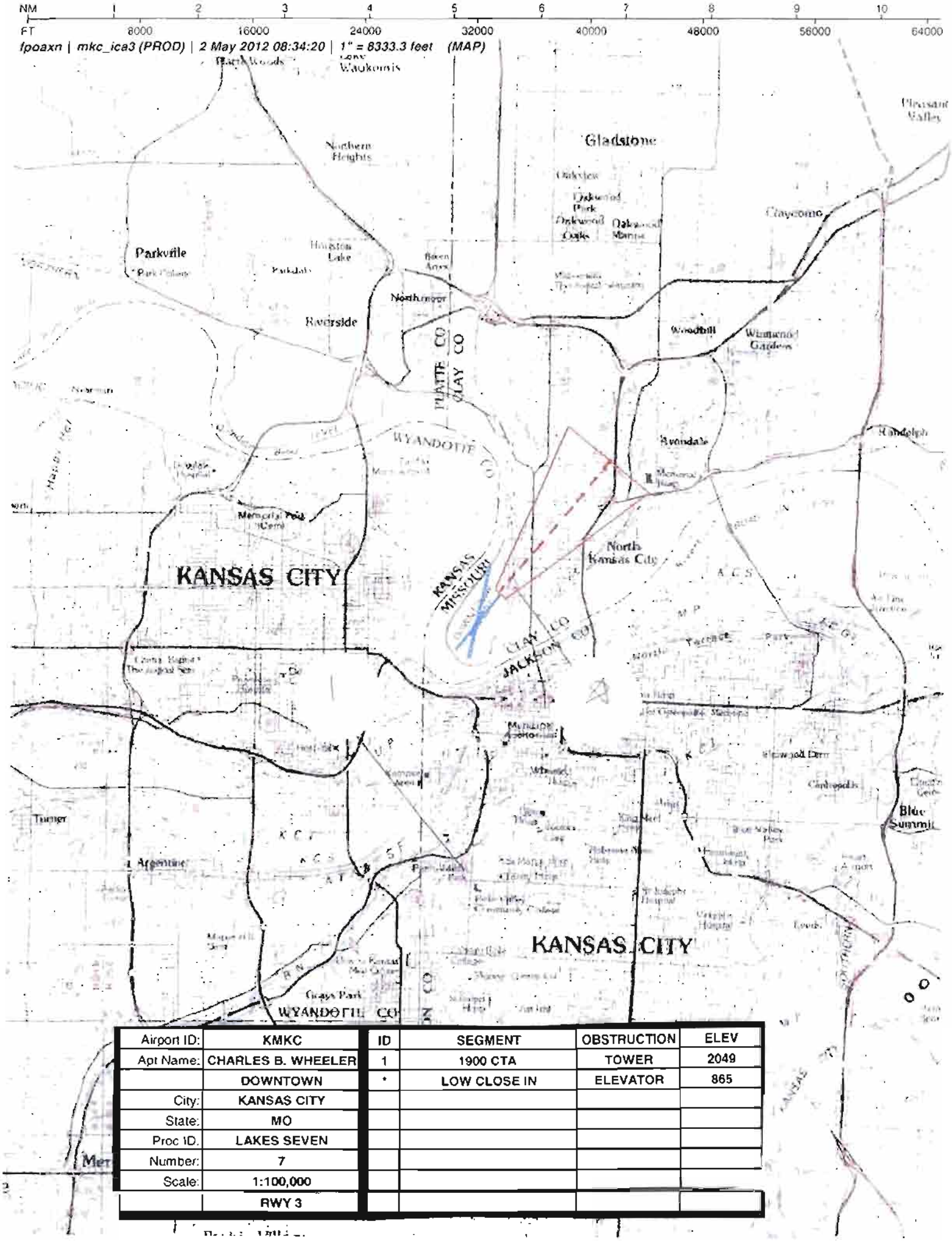
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	RWY 21

ID	SEGMENT	OBSTRUCTION	ELEV
1	250 CG	BUILDING	898
2	1700 CGTA	STACK	948
3	2300 CTA	TOWER	2049



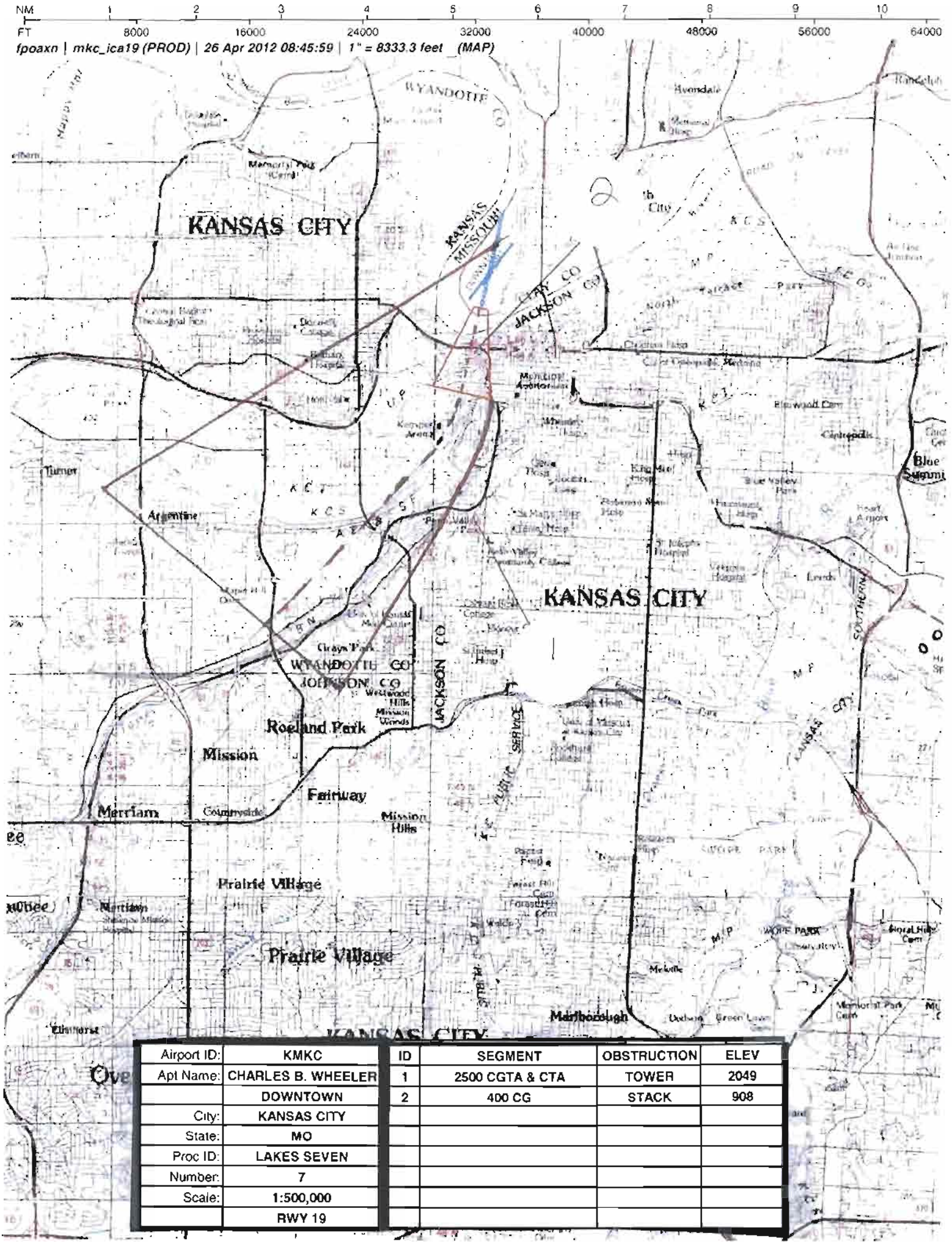
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number.	7
Scale:	1:100,000
	RWY 1

ID	SEGMENT	OBSTRUCTION	ELEV
1	307 CG	ELEVATOR	912
2	1100 CGTA, 2 1/4 VIS, 400 FT CEILING	TREE	997
3	2000 CTA	TOWER	2049



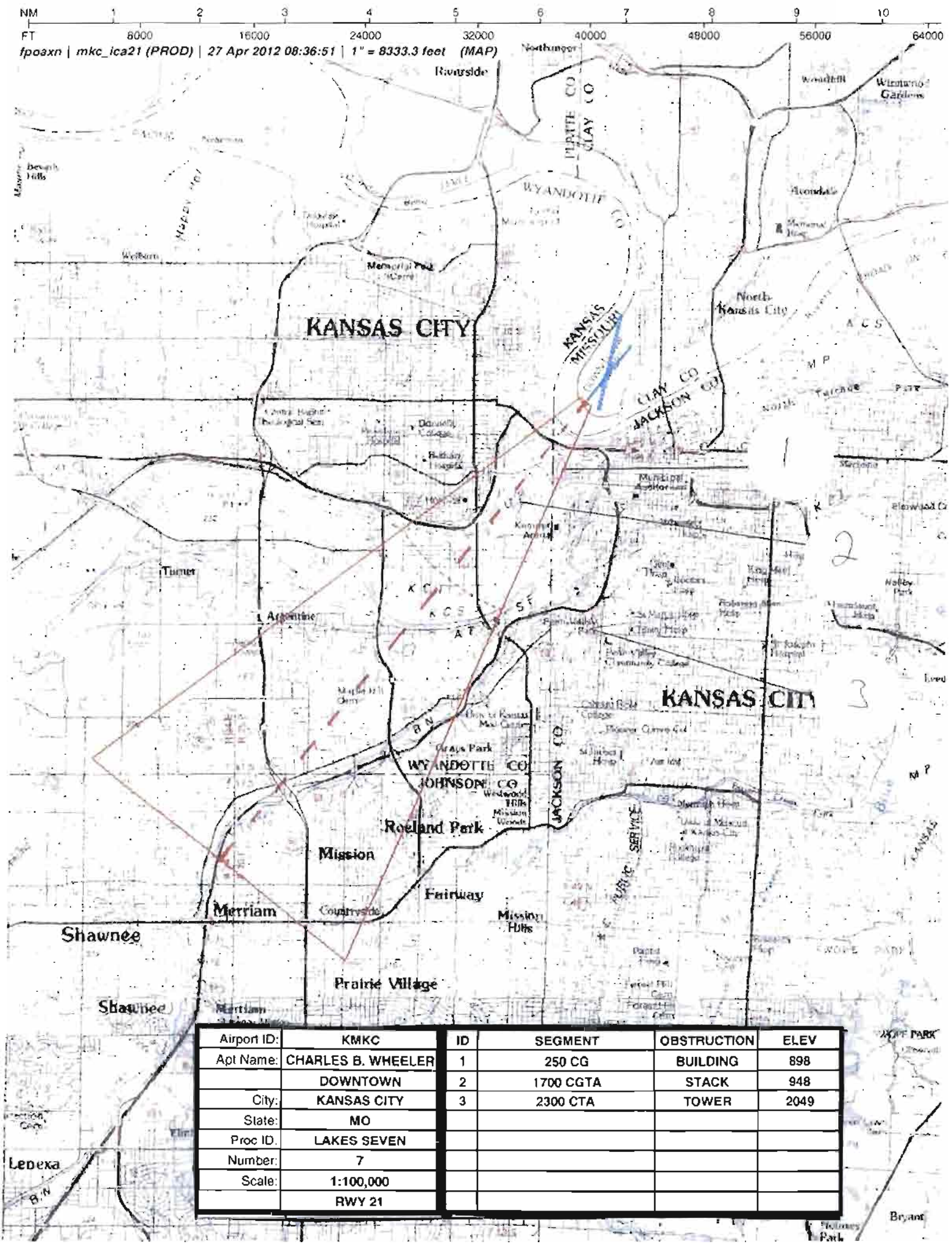
Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID.	LAKES SEVEN
Number:	7
Scale:	1:100,000
	RWY 3

ID	SEGMENT	OBSTRUCTION	ELEV
1	1900 CTA	TOWER	2049
*	LOW CLOSE IN	ELEVATOR	865



Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID:	LAKES SEVEN
Number:	7
Scale:	1:500,000
	RWY 19

ID	SEGMENT	OBSTRUCTION	ELEV
1	2500 CGTA & CTA	TOWER	2049
2	400 CG	STACK	908



Airport ID:	KMKC
Apt Name:	CHARLES B. WHEELER
	DOWNTOWN
City:	KANSAS CITY
State:	MO
Proc ID.	LAKES SEVEN
Number:	7
Scale:	1:100,000
	RWY 21

ID	SEGMENT	OBSTRUCTION	ELEV
1	250 CG	BUILDING	898
2	1700 CGTA	STACK	948
3	2300 CTA	TOWER	2049

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
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

TYPE: SID

DP ROUTE DESCRIPTION:

DEPARTING CHARLES B. WHEELER DOWNTOWN AIRPORT:
RWY 1: CLIMB HEADING 007.68 TO 2000, THENCE...
RWY 3: CLIMB HEADING 033.44 TO 1900, THENCE...
RWY 19: CLIMBING RIGHT TURN HEADING 215.00 TO 2500, THENCE...
RWY 21: CLIMB HEADING 213.44 TO 2300, THENCE...
ROSECRANS MEMORIAL AIRPORT: RWY 13: CLIMB HEADING 131.72 TO 1600 BEFORE TURNING LEFT, THENCE...
SHERMAN AAF: RWY 15: CLIMB HEADING 155.39 TO 1700 BEFORE TURNING SOUTHWEST, THENCE...

...FLY ASSIGNED HEADING AND ALTITUDE FOR VECTOR TO APPROPRIATE ROUTE. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

DEPARTING ALL OTHER AIRPORTS / RUNWAYS:
FLY ASSIGNED HEADING AND ALTITUDE FOR VECTOR TO APPROPRIATE ROUTE. 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
COLUMBIA	LAKES7.COU	MCI VORTAC	ANX VORTAC	106.66 (MCI R-107)	30.57	3100		
		ANX VORTAC	FRANC INT	087.59 (ANX R-088)	59.99	3100		
		FRANC INT	COU VOR/DME	109.00 (COU R-289)	31.88	3100		
TWAIN	LAKES7.TWAIN	MCI VORTAC	TWAIN INT	075.33 & 084.56 (MCI R-075 & SPI R-265)	154.77	15000	2800	
SPINNER	LAKES7.SPI	MCI VORTAC	TWAIN INT	075.33 & 084.56 (MCI R-075 & SPI R-265)	154.77	15000	2800	
		TWAIN INT	SPI VORTAC	084.56 (SPI R-265)	82.30	8000	2200	

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

CHART: RADAR REQUIRED.
TAKEOFF MINIMUMS: **KANSAS CITY INTL:** RWY 1L, 1R, 9, 19R, 19L, 27 STANDARD. **CHARLES B. WHEELER DOWNTOWN**: RWY 3, STANDARD. RWY 1, 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 307 FT PER NM TO 1100. RWY 19, STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 2500. RWY 21, STANDARD WITH MINIMUM CLIMB OF 251 FT PER NM TO 1700. **ROSECRANS MEMORIAL**: RWY 13, 17, 35 STANDARD. RWY 31: 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 336 FT PER NM TO 1200. **JOHNSON COUNTY EXECUTIVE**: RWY 18, 36 STANDARD. **NEW CENTURY AIRCENTER**: RWY 4, 18, 22, 36 STANDARD. **SHERMAN AAF:** RWY 15, 33 STANDARD. **MIDWEST NATIONAL AIR CENTER:** RWY 18, 36 STANDARD. **LEE'S SUMMIT MUNI:** RWY 11, 18, 29, 36 STANDARD.

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
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

TAKEOFF OBSTACLES NOTES:

KANSAS CITY INTL: **NOTE: RWY 1R**, TREE 1653 FT FROM DER, 661 FT LEFT OF CENTERLINE, 60 FT AGL/1019 FT MSL. **NOTE: RWY 9**, TREE 4544 FT FROM DER, 638 FT RIGHT OF CENTERLINE, 100 FT AGL/1159 FT MSL. **NOTE: RWY 27**, TREES BEGINNING 1066 FT FROM DER, ACROSS CENTERLINE, UP TO 86 FT AGL/1095 FT MSL. **CHARLES B. WHEELER DOWNTOWN: NOTE: RWY 1,** TREES BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/997 FT MSL. ROADS AND VEHICLES ON ROADWAY BEGINNING 88 FT FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/767 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 136 FT FROM DER, 420 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/805 FT MSL. BOATS BEGINNING 200 FT FROM DER, 518 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/774 FT MSL. OBSTRUCTION LIGHT ON ELEVATOR 3987 FT FROM DER, 1269 FT RIGHT OF CENTERLINE, 165 FT AGL/912 FT MSL. OBSTRUCTION LIGHT PIPE ON BUILDING 4046 FT FROM DER, 996 FT RIGHT OF CENTERLINE, 128 FT AGL/875 FT MSL. BUILDING 4289 FT FROM DER, 1375 FT RIGHT OF CENTERLINE, 140 FT AGL/899 FT MSL. **NOTE: RWY 3**, VEHICLES ON ROAD BEGINNING 6 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/764 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 83 FT FROM DER, 495 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/805 FT MSL. POLES BEGINNING 153 FT FROM DER, 226 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/791 FT MSL. ANTENNA ON BUILDING 155 FT FROM DER, 261 FT LEFT OF CENTERLINE, 6 FT AGL/755 FT MSL. TRAIN ON TRACKS 340 FT FROM DER, ON CENTERLINE, 33 FT AGL/782 FT MSL. OBSTRUCTION LIGHT ON POLE 596 FT FROM DER, 390 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/782 FT MSL. OBSTRUCTION LIGHT ON HANGAR 622 FT FROM DER, 633 FT LEFT OF CENTERLINE, 35 FT AGL/784 FT MSL.TREES BEGINNING 742 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/839 FT MSL. ELEVATOR 835 FT FROM DER, 525 FT RIGHT OF CENTERLINE, 125 FT AGL/865 FT MSL. OBSTRUCTION LIGHT ON BUILDING 1297 FT FROM DER, 108 FT RIGHT OF CENTERLINE, 61 FT AGL/810 FT MSL. TOWERS BEGINNING 1847 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 149 FT AGL/853 FT MSL. **NOTE: RWY 19**, ROD ON BUILDING 182 FT FROM DER, 279 FT RIGHT OF CENTERLINE, 11 FT AGL/760 FT MSL. ROADS BEGINNING 199 FT FROM DER, 506 FT LEFT OF CENTERLINE, UP TO 11 FT AGL/760 FT MSL. BUILDINGS BEGINNING 383 FT FROM DER, 378 FT LEFT AND RIGHT OF CENTERLINE, UP TO 291 FT AGL/1251 FT MSL. OBSTRUCTION LIGHT ON LEVEE 441 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 24 FT AGL/763 FT MSL. TREES BEGINNING 684 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/1029 FT MSL. STACK, 3211 FT FROM DER, 420 FT LEFT OF CENTERLINE, 168 FT AGL/908 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3412 FT FROM DER, 74 FT RIGHT OF CENTERLINE, 140 FT AGL/889 FT MSL. FLAGPOLE ON BUILDING 4372 FT FROM DER, 181 FT RIGHT OF CENTERLINE, 153 FT AGL/912 FT MSL. MONUMENT 5261 FT FROM DER, 1447 FT LEFT OF CENTERLINE, 77 FT AGL/981 FT MSL. LIGHT POLE 1.5 NM FROM DER, 1294 FT LEFT OF CENTERLINE, 68 FT AGL/1017 FT MSL. TOWER, 2.4 NM FROM DER, 3164 FT LEFT OF CENTERLINE, 1168 FT AGL/2049 FT MSL. **NOTE: RWY 21**, BRIDGE BEGINNING 204 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/760 FT MSL. ROADS BEGINNING 208 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 11 FT AGL/ 760 FT MSL. FENCE 251 FT FROM DER, 253 FT RIGHT OF CENTERLINE, 3 FT AGL/749 FT MSL. LEVEE 326 FT FROM DER, 526 FT RIGHT OF CENTERLINE, 3 FT AGL/762 FT MSL. OBSTRUCTION LIGHT ON LEVEE 431 FT FROM DER, 137 FT RIGHT OF CENTERLINE, 4 FT AGL/763 FT MSL. TREES BEGINNING 1441 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/819 FT MSL. CRANE 2729 FT FROM DER, 580 FT RIGHT OF CENTERLINE, 98 FT AGL/849 FT MSL. OBSTRUCTION LIGHT ON DOME 2806 FT FROM DER, 873 FT RIGHT OF CENTERLINE, 66 FT AGL/815 FT MSL. POLE BEGINNING 3686 FT FROM DER, 631 FT RIGHT OF CENTERLINE, UP TO 118 FT AGL/858 FT MSL. BUILDING 4857 FT FROM DER, 1786 FT LEFT OF CENTERLINE, 152 FT AGL/898 FT MSL. ELEVATOR 5173 FT FROM DER, 749 FT LEFT OF CENTERLINE, UP TO 148 FT AGL/896 FT MSL. STACK 1.3 NM FROM DER, 589 FT LEFT OF CENTERLINE, 198 FT AGL/948 FT MSL. **ROSECRANS MEMORIAL**: **NOTE: RWY 13**, LIGHT 2 FT FROM DER, 47 FT LEFT OF CENTERLINE, 2 FT AGL/813 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 40 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/854 FT MSL. TREES BEGINNING 65 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/919 FT MSL. ANTENNA 2247 FT FROM DER, 1075 FT LEFT OF CENTERLINE, 54 FT AGL/870 FT MSL. **NOTE: RWY 17**, NAVAIDS 56 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 6 FT AGL/817 FT MSL. TREES BEGINNING 851 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/920 FT MSL. BOATS BEGINNING 1061 FT FROM DER, 59 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/839 FT MSL. **NOTE: RWY 31**, VERTICAL STRUCTURE 11 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 1 FT AGL/813 FT MSL. TREES BEGINNING 401 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1149 FT MSL. TREES 1.1 NM FROM DER, 1055 FT LEFT OF CENTERLINE, 100 FT AGL/1095 FT MSL. TREES 1.79 NM FROM DER, 2987 FT LEFT OF CENTERLINE, 100 FT AGL/1149 FT MSL. **NOTE: RWY 35**, NAVAIDS BEGINNING 40 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 13 FT AGL/833 FT MSL. **JOHNSON COUNTY EXECUTIVE: NOTE: RWY 18**, MULTIPLE TREES 622 FT FROM DER, 192 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/1084 FT MSL. **NOTE: RWY 36**, ANTENNA 335 FT FROM DER, 263 FT LEFT OF CENTERLINE, 20 FT AGL/1110 FT MSL. TREE 1008 FT FROM DER, 612 FT RIGHT OF CENTERLINE, 57 FT AGL/1130 FT MSL. TREE 1544 FT FROM DER, 810 FT LEFT OF CENTERLINE, 71 FT AGL/1144 FT MSL. **NEW CENTURY AIRCENTER: NOTE: RWY 4**, FENCE 204 FT FROM DER, 256 FT RIGHT OF CENTERLINE, 11 FT AGL/1096 FT MSL. OBSTRUCTION LIGHT ON FENCE, 295 FT FROM DER, 163 FT RIGHT OF CENTERLINE, 13 FT AGL/1098 FT MSL. TREES BEGINNING 1554 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1179 FT MSL. **NOTE: RWY 18**, TREE 1845 FT FROM DER, 133 FT LEFT OF CENTERLINE, 100 FT AGL/1159 FT MSL. **NOTE: RWY 22**, TREES BEGINNING 260 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/1159 FT MSL. **NOTE: RWY 36**, GROUND BEGINNING 17 FT FROM DER, 407 FT RIGHT OF CENTERLINE, 1091 FT MSL. VEHICLE ON ROADWAY BEGINNING 24 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/1101 FT MSL. **SHERMAN AAF: NOTE: RWY 15**, ROAD 79 FT FROM DER, ACROSS DEPARTURE COURSE, UP TO 15 FT AGL/779 FT MSL. BUILDING 400 FT FROM DER, 580 FT LEFT OF CENTERLINE, 28 FT AGL/788 FT MSL. PUMPHOUSE 444 FT FROM DER, 564 FT LEFT OF CENTERLINE, 23 FT AGL/783 FT MSL. BOATS 1063 FT FROM DER, ACROSS DEPARTURE COURSE, UP TO 45 FT AGL/800 FT MSL. TREES 2165 FT FROM DER, ACROSS DEPARTURE COURSE, UP TO 75 FT AGL/838 FT MSL. **NOTE: RWY 33**, MULTIPLE TREES AND POLES BEGINNING 117 FT FROM DER ON CENTERLINE, UP TO 100 FT AGL/879 FT MSL. LEVEE 187 FT FROM DER ON CENTERLINE, 35 FT AGL/782 FT MSL. **MIDWEST NATIONAL AIR CENTER: NOTE: RWY 18,** MULTPLE

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
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

TREES BEGINNING 1278 FT FROM DER, 46 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/859 FT MSL. MULTIPLE TREES BEGINNING 1562 FT FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/861 FT MSL. **NOTE: RWY 36**, MULTIPLE TREES BEGINNING 2224 FT FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/889 FT MSL. MULTIPLE TREES BEGINNING 2302 FT FROM DER, 231 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/916 FT MSL. **LEE'S SUMMIT MUNI: NOTE: RWY 11,** BUILDING 140 FT FROM DER, 388 FT LEFT OF CENTERLINE, 24 FT AGL/1023 FT MSL. MULTIPLE BUILDINGS 169 FT FROM DER, 334 FT RIGHT OF CENTERLINE, 26 FT AGL/1019 FT MSL. MULTIPLE TREES BEGINNING 233 FT FROM DER, 182 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/1039 FT MSL. **NOTE: RWY 18,** MULTIPLE TREES BEGINNING 13 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/1062 FT MSL. **NOTE: RWY 29**, TANK 344 FT FROM DER, 419 FT RIGHT OF CENTERLINE, 13 FT AGL/1002 FT MSL. MULTIPLE ANTENNAS AND POLES 402 FT FROM DER, 408 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/1024 FT MSL. MULTIPLE TREES BEGINNING 648 FT FROM DER, 73 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/1036 FT MSL. **NOTE: RWY 36**, POST 39 FT FROM DER, 461 FT RIGHT OF CENTERLINE, 8 FT AGL/1007 FT MSL. POLE 77 FT FROM DER, 316 FT RIGHT OF CENTERLINE, 11 FT AGL/1010 FT MSL. MULTIPLE TREES BEGINNING 206 FT FROM DER, 241 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/1028 FT MSL. MULTIPLE TREES BEGINNING 241 FT FROM DER, 93 FT LEFT OF CENTERLINE, UP TO 36 FT AGL/1015 FT MSL.

CONTROLLING OBSTACLES:

CHARLES B. WHEELER DOWNTOWN: RWY 1: 912 FT MSL ELEVATOR 390834.42N/0943457.39W, 997 FT MSL TREE 390928.62N/0943443.00W. RWY 19: 908 FT MSL STACK 390621.00N/0943547.00W. RWY 21: 898 FT MSL BUILDING 390610.08N/0943615.21W, 948 FT MSL STACK 390552.00N/0943653.00W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 1,3, 19, 21 – 2049 FT MSL TOWER 390421.00N/0943546.00W. **ROSECRANS MEMORIAL:** RWY 31: 1095 FT MSL TREE 394706.93N/ 0945623.27W, 1149 FT MSL TREE 394722.92N/ 0945718.06W.OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 13: 1792 FT MSL TOWER 394612.00N/0944755.00W. **SHERMAN AAF:** OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 15: 1404 FT MSL TOWER 391752.00N/0945616.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART J80, V12.
CHART MACON VOR/DME AND MCM R-198 AT FRANC INT.
CHART ST. LOUIS VORTAC AND STL R-317 AT TWAIN INT.
CHART ANX R-018 AT BLUZY INT.

AIRPORTS SERVED:

KANSAS CITY INTL	KANSAS CITY, MO
CHARLES B. WHEELER DOWNTOWN	KANSAS CITY, MO
ROSECRANS MEMORIAL	ST JOSEPH, MO
JOHNSON COUNTY EXECUTIVE	OLATHE, KS
NEW CENTURY AIRCENTER	OLATHE, KS
SHERMAN AAF	FORT LEAVENWORTH, KS
MIDWEST NATIONAL AIR CENTER	MOSBY, MO
LEE'S SUMMIT MUNI	LEE'S SUMMIT, MO

COMMUNICATIONS:

KANSAS CITY INTL: ATIS, CLNC DEL, KANSAS CITY DEP CON. **CHARLES B. WHEELER DOWNTOWN:** ATIS, CLNC DEL. **ROSECRAN MEMORIAL:** ATIS, ST. JOSEPH DEP CON. **JOHNSON COUNTY EXECUTIVE:** ATIS, KANSAS CITY DEP CON. **NEW CENTURY AIRCENTER:** KANSAS CITY DEP CON. **SHERMAN AAF:** KANSAS CITY DEP CON. **MIDWEST NATIONAL AIR CENTER**: CLNC DEL, KANSAS CITY DEP CON. **LEE'S SUMMIT MUNI**: CLNC DEL, KANSAS CITY DEP CON.

QUALITY 4 CHECKED

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
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

FIXES AND/OR NAVAIDS:

BLUZY, MACON (MCM) VOR/DME

REMARKS:

TWAIN AND SPINNER TRANSITIONS: 15,000 MSL MEA REQUIRED TO RECEIVE MCI R-075 AT 119 NM CHANGE OVER POINT (COP). TRANSITION VERBIAGE REFLECTS COP MIDWAY BETWEEN MCI AND SPI.

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
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (AISHAT NAUZO) AJV-353 5/1/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ATA, ALPA, APA, AOPA, NBAA, MCI APP CON, MKC ATCT, ZKC.

CHANGES:

1. UPDATED NEW CENTURY AIRCENTER RWYS FROM 17/35 TO 18/36.
2. CHANGED CHARLES B. WHEELER DOWNTOWN TAKEOFF MINIMUM RWY 3 FROM 400-2 ½ OR STANDARD WITH MINIMUM CLIMB OF 231 FT PER NM TO 1300 TO STANDARD.
3. CHANGED CHARLES B. WHEELER DOWNTOWN TAKEOFF MINIMUM RWY 21 FROM STANDARD WITH MINIMUM CLIMB OF 238 FT PER NM TO 1700 TO STANDARD WITH MINIMUM CLIMB OF 251 FT PER NM TO 1700.
4. UPDATED CHARLES B. WHEELER DOWNTOWN RWY 3 AND RWY 21 CONTROLLING OBSTACLES.
5. ADDED ODP ROUTING FOR CHARLES B WHEELER, ROSECRANS MEMORIAL AND SHERMAN AAF.
6. CHANGED ROSECRANS MEMORIAL TAKE OFF MINIMUMS RWY 31 CG AND CGTA FROM 325'/NM TO 1300 TO 336'/NM TO 1200. UPDATED CONTROLLING OBSTACLES.
7. ADDED MIDWEST NATIONAL AIR CENTER AND LEE'S SUMMIT MUNI TO AIRPORTS SERVED.
8. ADDED FIX OZAKI TO MCI VORTAC TO CATTS TRANSITION.
9. ADDED FIX MACON (MCM) VOR/DME. (DEPICTED ONLY)

REASONS:

1. MAGVAR UPDATE.
2. DUE TO OBSTACLE EVALUATION AND MAP STUDY RESULTS NO CG, CGTA, VISIBILITY OR CEILING NEEDED.
3. CLEAR NOTAM 1/3058 -1/4933 AND 8260.3B, VOLUME 4, PAR 1.4.1 AND PAR 1.4.2 TO COMPLY WITH OBSTACLE CLEARANCE REQUIREMENTS.

4-6 NEW OBSTRUCTIONS.

7-8-9. AT REQUEST

09/18/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/04/2012.

1. CHANGED REMARK IN ADDITIONAL FLIGHT DATA FROM CHART ANX R-020 AT BLUZY INT TO CHART ANX R-018 AT BLUZY INT.

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

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WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFLVK3AFLV     0     059YHN39220327W094545162E004000771        1800018000C    MNAR    SHERMAN AAF

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLVK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KFLVK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KFLVK3DLAKES73COU   020ANX  K3D 0V       TF                   10670306
        SUSAP KFLVK3DLAKES73COU   030FRANCK3EA0E       TF                   08760600
        SUSAP KFLVK3DLAKES73COU   040COU  K3D 0VE      TF                   10900319
        SUSAP KFLVK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KFLVK3DLAKES73SPI   020TWAINK3EA0E       TF                   07531548
        SUSAP KFLVK3DLAKES73SPI   030SPI  K5D 0VE      TF                   08460823
        SUSAP KFLVK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KFLVK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                   07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KFLVK3GRW15    0059071554 N39223334W094550621-0100    +02019007710000501O2R
        SUSAP KFLVK3GRW33    0059073354 N39213870W094543974+0100    +02006007660000501O2R
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QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW15	N392233.34	W0945506.21	N3922.556	W09455.104
	RW33	N392138.70	W0945439.74	N3921.645	W09454.662

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00771	50
	RW33	00766	50

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIXDK3AIXD     0     073YHN38495130W094532510E004001087        1800018000C    MNAR    NEW CENTURY AIRCENTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIXDK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KIXDK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KIXDK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KIXDK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KIXDK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KIXDK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KIXDK3DLAKES73SPI   020TWAINK3EA0E       TF                  07531548
        SUSAP KIXDK3DLAKES73SPI   030SPI  K5D 0VE      TF                  08460823
        SUSAP KIXDK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KIXDK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                  07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
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        SUSAP KIXDK3GRW04    0051320430 N38494155W094534223+0500    +02914010610000501O0D
        SUSAP KIXDK3GRW18    0073391760 N38502224W094532966-0500    +02987010850000461S0R
        SUSAP KIXDK3GRW22    0051322230 N38501612W094525478-0500    +02994010870000501O0D
        SUSAP KIXDK3GRW36    0073393560 N38490971W094532972+0500    +02885010520000551S0IIIXD1
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DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW04	N384941.55	W0945342.23	N3849.693	W09453.704
	RW18	N385022.24	W0945329.66	N3850.371	W09453.494
	RW22	N385016.12	W0945254.78	N3850.269	W09452.913
	RW36	N384909.71	W0945329.72	N3849.162	W09453.495

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	01061	50
	RW18	01085	46
	RW22	01087	50
	RW36	01052	55

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3AMCI     0     108YHN39175138W094425006E005001026         1800018000C    MNAR    KANSAS CITY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KMCIK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73COU   020ANX  K3D 0V       TF                    10670306
        SUSAP KMCIK3DLAKES73COU   030FRANCK3EA0E       TF                    08760600
        SUSAP KMCIK3DLAKES73COU   040COU  K3D 0VE      TF                    10900319
        SUSAP KMCIK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73SPI   020TWAINK3EA0E       TF                    07531548
        SUSAP KMCIK3DLAKES73SPI   030SPI  K5D 0VE      TF                    08460823
        SUSAP KMCIK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                    07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3GRW01L   0108010079 N39173601W094434554-0300    +027590101100005715OIIDOT1
        SUSAP KMCIK3GRW01R   0095000079 N39165324W094423239-0400    +027750101600005915OIIPVL3
        SUSAP KMCIK3GRW09    0095000911 N39172710W094433573+0100    +027680101400005615OIIRNI1
        SUSAP KMCIK3GRW19L   0095001880 N39182474W094420532+0400    +026560097800005915OIIDYH1
        SUSAP KMCIK3GRW19R   0108011879 N39192005W094431479+0300    +026560097700005515OIIPAJ3
        SUSAP KMCIK3GRW27    0095002711 N39171708W094413559-0100    +028030102600004915OIIUQY1
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW01L	N391736.01	W0944345.54	N3917.600	W09443.759
	RW01R	N391653.24	W0944232.39	N3916.887	W09442.540
	RW09	N391727.10	W0944335.73	N3917.452	W09443.596
	RW19L	N391824.74	W0944205.32	N3918.412	W09442.089
	RW19R	N391920.05	W0944314.79	N3919.334	W09443.247
	RW27	N391717.08	W0944135.59	N3917.285	W09441.593

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01L	01011	57
	RW01R	01016	59
	RW09	01014	56
	RW19L	00978	59
	RW19R	00977	55
	RW27	01026	49

QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3AMKC     0     068YHN39072257W094353416E005000757        1800018000C    MNAR    CHARLES B. WHEELER DOWNTOWN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KMKCK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KMKCK3DLAKES73COU   020ANX  K3D 0V       TF                    10670306
        SUSAP KMKCK3DLAKES73COU   030FRANCK3EA0E       TF                    08760600
        SUSAP KMKCK3DLAKES73COU   040COU  K3D 0VE      TF                    10900319
        SUSAP KMKCK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KMKCK3DLAKES73SPI   020TWAINK3EA0E       TF                    07531548
        SUSAP KMKCK3DLAKES73SPI   030SPI  K5D 0VE      TF                    08460823
        SUSAP KMKCK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KMKCK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                    07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3GRW01    0068270077 N39065577W094354241+0100    +01947007460300661S0V
        SUSAP KMKCK3GRW03    0050500334 N39070254W094355071+0000    +01940007430500441001IGQR1
        SUSAP KMKCK3GRW19    0068271877 N39075581W094352506-0100    +01974007540302461501IMKC1
        SUSAP KMKCK3GRW21    0050502134 N39073235W094352033+0000    +0194200744069957100R
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QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW01	N390655.77	W0943542.41	N3906.930	W09435.707
	RW03	N390702.54	W0943550.71	N3907.042	W09435.845
	RW19	N390755.81	W0943525.06	N3907.930	W09435.418
	RW21	N390732.35	W0943520.33	N3907.539	W09435.339

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00746	66
	RW03	00743	44
	RW19	00754	46
	RW21	00744	57

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009    NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003    NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3AOJC     0     040YHN38505137W094441531E004001096         1800018000C    MNAR    JOHNSON COUNTY EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KOJCK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KOJCK3DLAKES73COU   020ANX  K3D 0V       TF                   10670306
        SUSAP KOJCK3DLAKES73COU   030FRANCK3EA0E       TF                   08760600
        SUSAP KOJCK3DLAKES73COU   040COU  K3D 0VE      TF                   10900319
        SUSAP KOJCK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KOJCK3DLAKES73SPI   020TWAINK3EA0E       TF                   07531548
        SUSAP KOJCK3DLAKES73SPI   030SPI  K5D 0VE      TF                   08460823
        SUSAP KOJCK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KOJCK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                   07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3GRW18    0040981761 N38511160W094441524-1100    +030200109600004007 5RIOJC0
        SUSAP KOJCK3GRW36    0040983561 N38503110W094441536+1100    +028800105000004007 5RIPKX0
```

QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW18	N385111.60	W0944415.24	N3851.193	W09444.254
	RW36	N385031.10	W0944415.36	N3850.518	W09444.256

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01096	40
	RW36	01050	40

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3ASTJ     0     080YHN39461900W094543494E004000827         1800018000C    MNAR    ROSECRANS MEMORIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KSTJK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KSTJK3DLAKES73COU   020ANX  K3D 0V       TF                    10670306
        SUSAP KSTJK3DLAKES73COU   030FRANCK3EA0E       TF                    08760600
        SUSAP KSTJK3DLAKES73COU   040COU  K3D 0VE      TF                    10900319
        SUSAP KSTJK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KSTJK3DLAKES73SPI   020TWAINK3EA0E       TF                    07531548
        SUSAP KSTJK3DLAKES73SPI   030SPI  K5D 0VE      TF                    08460823
        SUSAP KSTJK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KSTJK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                    07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3GRW13    0047971317 N39462647W094551326+0000    +021550081100005075D
        SUSAP KSTJK3GRW17    0080611760 N39470447W094542488-0200    +022010082700005615OR
        SUSAP KSTJK3GRW31    0047973117 N39455252W094543037+0000    +021550081200005075D
        SUSAP KSTJK3GRW35    0080613560 N39454481W094542488+0200    +021570081200006415OIISTJ1
```

QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW13	N394626.47	W0945513.26	N3946.441	W09455.221
	RW17	N394704.47	W0945424.88	N3947.075	W09454.415
	RW31	N394552.52	W0945430.37	N3945.875	W09454.506
	RW35	N394544.81	W0945424.88	N3945.747	W09454.415

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00811	50
	RW17	00827	56
	RW31	00812	50
	RW35	00812	64

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR           BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR           FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR           TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLVK3AFLV     0     059YHN39220327W094545162E004000771        1800018000C    MNAR    SHERMAN AAF

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLVK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KFLVK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KFLVK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KFLVK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KFLVK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KFLVK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KFLVK3DLAKES73SPI   020BLUZYK3EA0E       TF                  07530370
        SUSAP KFLVK3DLAKES73SPI   030TWAINK3EA0E       TF                  07531178
        SUSAP KFLVK3DLAKES73SPI   040SPI  K5D 0VE      TF                  08460823
        SUSAP KFLVK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KFLVK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                  07530370
        SUSAP KFLVK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                  07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KFLVK3GRW15    0059071554 N39223334W094550621-0100    +0201900771000050102R
        SUSAP KFLVK3GRW33    0059073354 N39213870W094543974+0100    +0200600766000050102R
```

QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW15	N392233.34	W0945506.21	N3922.556	W09455.104
	RW33	N392138.70	W0945439.74	N3921.645	W09454.662

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00771	50
	RW33	00766	50

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGPHK3AGPH     0     055YHN39195700W094183470E003000777        1800018000C    MNAR    MIDWEST NATIONAL AIR CENTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGPHK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KGPHK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KGPHK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KGPHK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KGPHK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KGPHK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KGPHK3DLAKES73SPI   020BLUZYK3EA0E       TF                  07530370
        SUSAP KGPHK3DLAKES73SPI   030TWAINK3EA0E       TF                  07531178
        SUSAP KGPHK3DLAKES73SPI   040SPI  K5D 0VE      TF                  08460823
        SUSAP KGPHK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KGPHK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                  07530370
        SUSAP KGPHK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                  07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGPHK3GRW18    0055041841 N39202401W094183039+0000    +020430077700005110OIICUE1
        SUSAP KGPHK3GRW36    0055040041 N39193005W094183907+0000    +020360077500004510OR
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QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW18	N392024.01	W0941830.39	N3920.400	W09418.507
	RW36	N391930.05	W0941839.07	N3919.501	W09418.651

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00777	51
	RW36	00775	45

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIXDK3AIXD     0     073YHN38495130W094532510E004001087         1800018000C    MNAR    NEW CENTURY AIRCENTER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIXDK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KIXDK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KIXDK3DLAKES73COU   020ANX  K3D 0V       TF                   10670306
        SUSAP KIXDK3DLAKES73COU   030FRANCK3EA0E       TF                   08760600
        SUSAP KIXDK3DLAKES73COU   040COU  K3D 0VE      TF                   10900319
        SUSAP KIXDK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KIXDK3DLAKES73SPI   020TWAINK3EA0E       TF                   07531548
        SUSAP KIXDK3DLAKES73SPI   030SPI  K5D 0VE      TF                   08460823
        SUSAP KIXDK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KIXDK3DLAKES73TWAIN 020TWAINK3EA0EE      TF                   07531548

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KIXDK3GRW04     0051320430 N38494155W094534223+0500    +0291401061000050100D
        SUSAP KIXDK3GRW18     0073391760 N38502224W094532966-0500    +0298701085000046150R
        SUSAP KIXDK3GRW22     0051322230 N38501612W094525478-0500    +0299401087000050100D
        SUSAP KIXDK3GRW36     0073393560 N38490971W094532972+0500    +0288501052000055150IIIXD1
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	TWAIN	020		TF		FB		075.3()	154.8		
	SPI	SPI	030		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	TWAIN	020		TF		FB		075.3()	154.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW04	N384941.55	W0945342.23	N3849.693	W09453.704
	RW18	N385022.24	W0945329.66	N3850.371	W09453.494
	RW22	N385016.12	W0945254.78	N3850.269	W09452.913
	RW36	N384909.71	W0945329.72	N3849.162	W09453.495

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	01061	50
	RW18	01085	46
	RW22	01087	50
	RW36	01052	55

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXTK3ALXT     0     040YHN38573490W094221690E002001004         1800018000C    MNAR    LEE'S SUMMIT MUNI

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXTK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KLXTK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KLXTK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KLXTK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KLXTK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KLXTK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KLXTK3DLAKES73SPI   020BLUZYK3EA0E       TF                  07530370
        SUSAP KLXTK3DLAKES73SPI   030TWAINK3EA0E       TF                  07531178
        SUSAP KLXTK3DLAKES73SPI   040SPI  K5D 0VE      TF                  08460823
        SUSAP KLXTK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KLXTK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                  07530370
        SUSAP KLXTK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                  07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KLXTK3GRW11    0038001114 N38573661W094222944+0200    +027020099300004507 5R
        SUSAP KLXTK3GRW18    0040161814 N38580023W094222440-0100    +027070099500004007 5R
        SUSAP KLXTK3GRW29    0038002914 N38572169W094214529-0200    +027280100100004007 5R
        SUSAP KLXTK3GRW36    0040160014 N38572061W094222741+0100    +026980099200004007 5R
```

QUALITY CHECKED 1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW11	N385736.61	W0942229.44	N3857.610	W09422.491
	RW18	N385800.23	W0942224.40	N3858.004	W09422.407
	RW29	N385721.69	W0942145.29	N3857.362	W09421.755
	RW36	N385720.61	W0942227.41	N3857.344	W09422.457

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00993	45
	RW18	00995	40
	RW29	01001	40
	RW36	00992	40

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3AMCI     0     108YHN39175138W094425006E005001026         1800018000C    MNAR    KANSAS CITY INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KMCIK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73COU   020ANX  K3D 0V       TF                   10670306
        SUSAP KMCIK3DLAKES73COU   030FRANCK3EA0E       TF                   08760600
        SUSAP KMCIK3DLAKES73COU   040COU  K3D 0VE      TF                   10900319
        SUSAP KMCIK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73SPI   020BLUZYK3EA0E       TF                   07530370
        SUSAP KMCIK3DLAKES73SPI   030TWAINK3EA0E       TF                   07531178
        SUSAP KMCIK3DLAKES73SPI   040SPI  K5D 0VE      TF                   08460823
        SUSAP KMCIK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KMCIK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                   07530370
        SUSAP KMCIK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                   07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3GRW01L   0108010079 N39173601W094434554-0300    +027590101100005715OIIDOT1
        SUSAP KMCIK3GRW01R   0095000079 N39165324W094423239-0400    +027750101600005915OIIPVL3
        SUSAP KMCIK3GRW09    0095000911 N39172710W094433573+0100    +027680101400005615OIIRNI1
        SUSAP KMCIK3GRW19L   0095001880 N39182474W094420532+0400    +026560097800005915OIIDYH1
        SUSAP KMCIK3GRW19R   0108011879 N39192005W094431479+0300    +026560097700005515OIIPAJ3
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QUALITY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

SUSAP KMCIK3GRW27 0095002711 N39171708W094413559-0100 +028030102600004915OIIUQY1

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW01L	N391736.01	W0944345.54	N3917.600	W09443.759
	RW01R	N391653.24	W0944232.39	N3916.887	W09442.540
	RW09	N391727.10	W0944335.73	N3917.452	W09443.596
	RW19L	N391824.74	W0944205.32	N3918.412	W09442.089
	RW19R	N391920.05	W0944314.79	N3919.334	W09443.247
	RW27	N391717.08	W0944135.59	N3917.285	W09441.593

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01L	01011	57
	RW01R	01016	59
	RW09	01014	56
	RW19L	00978	59
	RW19R	00977	55
	RW27	01026	49

COPY 1 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3AMKC     0     068YHN39072257W094353416E005000757        1800018000C    MNAR    CHARLES B. WHEELER DOWNTOWN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KMKCK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KMKCK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KMKCK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KMKCK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KMKCK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KMKCK3DLAKES73SPI   020BLUZYK3EA0E       TF                  07530370
        SUSAP KMKCK3DLAKES73SPI   030TWAINK3EA0E       TF                  07531178
        SUSAP KMKCK3DLAKES73SPI   040SPI  K5D 0VE      TF                  08460823
        SUSAP KMKCK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KMKCK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                  07530370
        SUSAP KMKCK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                  07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3GRW01    0068270077 N39065577W094354241+0100    +0194700746030066150V
        SUSAP KMKCK3GRW03    0050500334 N39070254W094355071+0000    +0194000743050044100IIGQR1
        SUSAP KMKCK3GRW19    0068271877 N39075581W094352506-0100    +0197400754030246150IIMKC1
        SUSAP KMKCK3GRW21    0050502134 N39073235W094352033+0000    +0194200744069957100R
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QUALITY 7 CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW01	N390655.77	W0943542.41	N3906.930	W09435.707
	RW03	N390702.54	W0943550.71	N3907.042	W09435.845
	RW19	N390755.81	W0943525.06	N3907.930	W09435.418
	RW21	N390732.35	W0943520.33	N3907.539	W09435.339

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	00746	66
	RW03	00743	44
	RW19	00754	46
	RW21	00744	57

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017     NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009     NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003     NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3AOJC     0     040YHN38505137W094441531E004001096         1800018000C    MNAR    JOHNSON COUNTY EXECUTIVE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3DLAKES72ALL   010MCI  K3D 0VE      IF                                    18000
        SUSAP KOJCK3DLAKES73COU   010MCI  K3D 0V       IF                                    18000
        SUSAP KOJCK3DLAKES73COU   020ANX  K3D 0V       TF                  10670306
        SUSAP KOJCK3DLAKES73COU   030FRANCK3EA0E       TF                  08760600
        SUSAP KOJCK3DLAKES73COU   040COU  K3D 0VE      TF                  10900319
        SUSAP KOJCK3DLAKES73SPI   010MCI  K3D 0V       IF                                    18000
        SUSAP KOJCK3DLAKES73SPI   020BLUZYK3EA0E       TF                  07530370
        SUSAP KOJCK3DLAKES73SPI   030TWAINK3EA0E       TF                  07531178
        SUSAP KOJCK3DLAKES73SPI   040SPI  K5D 0VE      TF                  08460823
        SUSAP KOJCK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                    18000
        SUSAP KOJCK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                  07530370
        SUSAP KOJCK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                  07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KOJCK3GRW18     0040981761 N38511160W094441524-1100     +030200109600004007 5RIOJC0
        SUSAP KOJCK3GRW36     0040983561 N38503110W094441536+1100     +028800105000004007 5RIPKX0
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW18	N385111.60	W0944415.24	N3851.193	W09444.254
	RW36	N385031.10	W0944415.36	N3850.518	W09444.256

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	01096	40
	RW36	01050	40

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC PACKET - 424-18 - SID

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        COU   K3011020VDLA N38483896W092130579    N38483896W092130579E0030008831     NARCOLUMBIA
        SUSAD        MCI   K3011325VTHA N39170702W094441342    N39170702W094441342E0050010172     NARKANSAS CITY
        SUSAD        SPI   K5011270VTHW N39502304W089403983    N39502304W089403983W0010005862     NARSPINNER

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   BLUZY K30    R     N39230954W093571048                    E0017    NAR          BLUZY
        SUSAEAENRT   FRANC K30    R   L N39003006W092510115                    E0009    NAR          FRANC
        SUSAEAENRT   TWAIN K30    R   H N39402055W091263513                    W0003    NAR          TWAIN

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3ASTJ     0     080YHN39461900W094543494E004000827         1800018000C    MNAR    ROSECRANS MEMORIAL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3DLAKES72ALL   010MCI  K3D 0VE      IF                                          18000
        SUSAP KSTJK3DLAKES73COU   010MCI  K3D 0V       IF                                          18000
        SUSAP KSTJK3DLAKES73COU   020ANX  K3D 0V       TF                   10670306
        SUSAP KSTJK3DLAKES73COU   030FRANCK3EA0E       TF                   08760600
        SUSAP KSTJK3DLAKES73COU   040COU  K3D 0VE      TF                   10900319
        SUSAP KSTJK3DLAKES73SPI   010MCI  K3D 0V       IF                                          18000
        SUSAP KSTJK3DLAKES73SPI   020BLUZYK3EA0E       TF                   07530370
        SUSAP KSTJK3DLAKES73SPI   030TWAINK3EA0E       TF                   07531178
        SUSAP KSTJK3DLAKES73SPI   040SPI  K5D 0VE      TF                   08460823
        SUSAP KSTJK3DLAKES73TWAIN 010MCI  K3D 0V       IF                                          18000
        SUSAP KSTJK3DLAKES73TWAIN 020BLUZYK3EA0E       TF                   07530370
        SUSAP KSTJK3DLAKES73TWAIN 030TWAINK3EA0EE      TF                   07531178

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSTJK3GRW13    0047971317 N39462647W094551326+0000    +0215500811000050075D
        SUSAP KSTJK3GRW17    0080611760 N39470447W094542488-0200    +0220100827000056150R
        SUSAP KSTJK3GRW31    0047973117 N39455252W094543037+0000    +0215500812000050075D
        SUSAP KSTJK3GRW35    0080613560 N39454481W094542488+0200    +02157008120000641501ISTJ1
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QUALITY CHECKED

DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
LAKES	SEVEN	LAKES7.LAKES	SIX	13 JAN 11	

ARINC SUMMARY - 424-18 - SID

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	ALL	MCI	010		IF		FB					
	COU	MCI	010		IF		FB					
	COU	ANX	020		TF		FB		106.7()	030.6		
	COU	FRANC	030		TF		FB		087.6()	060.0		
	COU	COU	040		TF		FB		109.0()	031.9		
	SPI	MCI	010		IF		FB					
	SPI	BLUZY	020		TF		FB		075.3()	037.0		
	SPI	TWAIN	030		TF		FB		075.3()	117.8		
	SPI	SPI	040		TF		FB		084.6()	082.3		
	TWAIN	MCI	010		IF		FB					
	TWAIN	BLUZY	020		TF		FB		075.3()	037.0		
	TWAIN	TWAIN	030		TF		FB		075.3()	117.8		

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	COU	N384838.96	W0921305.79	N3848.649	W09213.097
	MCI	N391707.02	W0944413.42	N3917.117	W09444.224
	SPI	N395023.04	W0894039.83	N3950.384	W08940.664
	BLUZY	N392309.54	W0935710.48	N3923.159	W09357.175
	FRANC	N390030.06	W0925101.15	N3900.501	W09251.019
	TWAIN	N394020.55	W0912635.13	N3940.343	W09126.586
	RW13	N394626.47	W0945513.26	N3946.441	W09455.221
	RW17	N394704.47	W0945424.88	N3947.075	W09454.415
	RW31	N394552.52	W0945430.37	N3945.875	W09454.506
	RW35	N394544.81	W0945424.88	N3945.747	W09454.415

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00811	50
	RW17	00827	56
	RW31	00812	50
	RW35	00812	64

RADIO FIX AND HOLDING DATA RECORD

NAME: BLUZY **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 392309.54N/0935710.48W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	MCI	VORTAC	H	075.36	080.36	37.00	37.00		8000	29000
2	NAPOLEON	ANX	VORTAC	L	018.16	025.16		19.25		8000	17500

REMARKS:
KANSAS CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES	1, 2		KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES	1, 2		KIXD	OLATHE	KS (US)
DP	LAKES	1, 2		KOJC	OLATHE	KS (US)
DP	LAKES	1, 2		KMCI	KANSAS CITY	MO (US)
DP	LAKES	1, 2		KMKC	KANSAS CITY	MO (US)
DP	LAKES	1, 2		KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES	1, 2		KGPH	MOSBY	MO (US)
DP	LAKES	1, 2		KSTJ	ST JOSEPH	MO (US)

REQUIRED CHARTING: DP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
09/18/2012: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/05/2012:
1. CHANGED FAC 2 MAG/TRUE BRG FROM 020.16/027.16 TO 018.16/025.16.

DEVELOPED BY: **DATE:** 07/18/2012 **OFFICE:** AJV-353 **NAME:** HERMAN ROGERS

APPROVED BY: **DATE:** 09/05/2012 **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: COLUMBIA VOR/DME **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 384838.96N/0921305.79W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	COLUMBIA	COU	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	COU	VOR/DME	016.00	196.00	L	1-1 1/2		2800	17500	4	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001475)	384754.40N/0921722.40W	1160	3C

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V12					(US)
EN ROUTE	V44					(US)
IAP	RNAV (GPS) RWY 18			KVER	BOONVILLE	MO (US)
IAP	RNAV (GPS) RWY 36			KVER	BOONVILLE	MO (US)
IAP	VOR-A			KVER	BOONVILLE	MO (US)
IAP	ILS OR LOC/DME RWY 2			KCOU	COLUMBIA	MO (US)
IAP	LOC/DME BC RWY 20			KCOU	COLUMBIA	MO (US)
IAP	VOR RWY 13			KCOU	COLUMBIA	MO (US)
IAP	VOR RWY 20		1	KCOU	COLUMBIA	MO (US)
IAP	VOR/DME RWY 20			KCOU	COLUMBIA	MO (US)
IAP	VOR-A			KFTT	FULTON	MO (US)
IAP	ILS OR LOC RWY 30			KJEF	JEFFERSON CITY	MO (US)
STAR	TRAKE			KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
UPDATED FIX USE.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
UPDATED HOLDING LIMITED TO ESTABLISHED PATTERN RESTRICTION.

DEVELOPED BY: **DATE:** 08/17/2010 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 11/16/2010 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MIZZU APP CON
OTHER:

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: FRANC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 390030.06N/0925101.15W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	COLUMBIA	COU	VOR/DME	L	289.00	292.00	31.88	31.88		2600	17500
2	MACON	MCM	VOR/DME	L	198.00	204.00		42.33		2600	17500
3	NAPOLEON	ANX	VORTAC	L	087.59	094.59	59.99	59.99		3000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
MCM	VOR/DME	R-198	43	2000	17500
ANX	VORTAC	R-088	60	3000	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES	1, 2, 3		KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES	1, 2, 3		KIXD	OLATHE	KS (US)
DP	LAKES	1, 2, 3		KOJC	OLATHE	KS (US)
DP	LAKES	1, 2, 3		KMCI	KANSAS CITY	MO (US)
DP	LAKES	1, 2, 3		KMKC	KANSAS CITY	MO (US)
DP	LAKES	1, 2, 3		KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES	1, 2, 3		KGPH	MOSBY	MO (US)
DP	LAKES	1, 2, 3		KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V12	1, 2, 3				(US)
IAP	RNAV (GPS) RWY 18			KVER	BOONVILLE	MO (US)
IAP	RNAV (GPS) RWY 36			KVER	BOONVILLE	MO (US)
IAP	NDB RWY 36	1, 2, 3		KMHL	MARSHALL	MO (US)
IAP	NDB RWY 18	1, 2, 3		KDMO	SEDALIA	MO (US)
IAP	NDB RWY 36	1, 2, 3		KDMO	SEDALIA	MO (US)
IAP	RNAV (GPS) RWY 18			KDMO	SEDALIA	MO (US)
IAP	RNAV (GPS) RWY 36			KDMO	SEDALIA	MO (US)

REQUIRED CHARTING: DP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 10/20/2011

REASON FOR REVISION:
UPDATED MCM ESV DATA FROM 2600 TO 2000
UPDATED FIX USE

DEVELOPED BY: **DATE:** 06/02/2011 **OFFICE:** AJV-353 **NAME:** LARRY STROUT (BRIAN BERUBEE)

APPROVED BY: **DATE:** 08/02/2011 **OFFICE:** AJV-353 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MIZZU APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: MACON VOR/DME **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 393914.62N/0922855.77W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	MACON	MCM	VOR/DME	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	N	MCM	VOR/DME	342.00	162.00	R	1		2400	6000	4	5
2	S	MCM	VOR/DME	188.00	008.00	R	1		2400	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-001488)	394527.32N/0923204.32W	1284	5E
2	200	TOWER (29-002040)	393602.00N/0923425.00W	1249	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OZARK			KALN	ALTON/ST LOUIS	IL (US)
DP	OZARK			KBLV	BELLEVILLE	IL (US)
DP	OZARK			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	OZARK			KSTL	ST LOUIS	MO (US)
DP	WHRLI (RNAV)			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSUS	ST LOUIS	MO (US)
EN ROUTE	V175					(US)
EN ROUTE	V424					(US)
EN ROUTE	V586					(US)
IAP	NDB RWY 14			KCHT	CHILLICOTHE	MO (US)
IAP	RNAV (GPS) RWY 32			KCHT	CHILLICOTHE	MO (US)
IAP	ILS OR LOC/DME RWY 36		1	KIRK	KIRKSVILLE	MO (US)
IAP	GPS RWY 2			KK89	MACON	MO (US)
IAP	VOR RWY 2		2	KK89	MACON	MO (US)
IAP	VOR/DME OR GPS RWY 20		2	KK89	MACON	MO (US)
IAP	RNAV (GPS) RWY 13			KMBY	MOBERLY	MO (US)
IAP	VOR/DME-A		1	KMBY	MOBERLY	MO (US)
IAP	RNAV (GPS) RWY 9			KK52	MONROE CITY	MO (US)
STAR	BRAYMER			KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER			KIXD	OLATHE	KS (US)
STAR	BRAYMER			KOJC	OLATHE	KS (US)
STAR	BRAYMER			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER			KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER			KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER			KGPH	MOSBY	MO (US)
STAR	BRAYMER			KSTJ	ST JOSEPH	MO (US)

REQUIRED CHARTING: DP, STAR, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
UPDATED FIX USE.
ADDED PRECIPITOUS TERRAIN EVALUATION REMARK.
UPDATED HOLDING PAT 1 AND 2 CONTROLLING OBSTACLE DATA.

DEVELOPED BY:	**DATE:** 08/17/2010	**OFFICE:** AVN-120	**NAME:** DONALD LANIER
APPROVED BY:	**DATE:** 11/16/2010	**OFFICE:** AVN-120	**NAME:** GREGORY YAMAMOTO
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: NAPOLEON VORTAC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 390543.53N/0940743.81W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NAPOLEON	ANX	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	ANX	VORTAC	149.00	329.00	R	1		3000	6000	4	5
2	E	ANX	VORTAC	088.00	268.00	R	1		3100	6000	8	9
3	SE		WP	154.93	334.93	R		4	3700	6000	5	6
4	NW	ANX	VORTAC	319.00	139.00	R	1		2900	6000	4	5
5	SE	ANX	VORTAC	152.93	332.93	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
1	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
2	265	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
3	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
4	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
5	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	RACER			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	RACER			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	RACER			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	RACER			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	RACER			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	RACER			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	RACER			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	RACER			KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V10-12					(US)
EN ROUTE	V10-206					(US)
EN ROUTE	V12					(US)
EN ROUTE	V13-159-161					(US)
EN ROUTE	V13-161					(US)
EN ROUTE	V159					(US)
EN ROUTE	V424					(US)
IAP	NDB RWY 33			KFLV	FORT LEAVENWORTH	KS (US)
IAP	NDB OR GPS-D			KK34	GARDNER	KS (US)
IAP	ILS OR LOC RWY 36			KIXD	OLATHE	KS (US)
IAP	LOC RWY 36		4	KOJC	OLATHE	KS (US)
IAP	LOC/DME RWY 18		4	KOJC	OLATHE	KS (US)
IAP	NDB-B			KOJC	OLATHE	KS (US)
IAP	VOR OR GPS RWY 19			K3EX	EXCELSIOR SPRINGS	MO (US)
IAP	GPS RWY 27			K3GV	GRAIN VALLEY	MO (US)
IAP	GPS RWY 9			K3GV	GRAIN VALLEY	MO (US)
IAP	VOR OR GPS RWY 23		2	K3GV	GRAIN VALLEY	MO (US)
IAP	VOR/DME RNAV RWY 27			K3GV	GRAIN VALLEY	MO (US)
IAP	ILS OR LOC RWY 19L		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 1R		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 27			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9		1	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 19		1	KMKC	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 3		5	KMKC	KANSAS CITY	MO (US)
IAP	NDB RWY 19		1	KMKC	KANSAS CITY	MO (US)

IAP	RNAV (GPS) RWY 21	3	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 19	1	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 21	5	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 3	5	KMKC	KANSAS CITY	MO (US)
IAP	VOR/DME-A	2	KLXT	LEE'S SUMMIT	MO (US)
IAP	NDB RWY 36		KMHL	MARSHALL	MO (US)
IAP	ILS OR LOC/DME RWY 18	4	KGPH	MOSBY	MO (US)
IAP	RNAV (GPS) RWY 36		KGPH	MOSBY	MO (US)
IAP	VOR/DME-A		KRCM	WARRENSBURG	MO (US)
STAR	BRAYMER		KMCI	KANSAS CITY	MO (US)
STAR	TYGER		KMCI	KANSAS CITY	MO (US)
STAR	KAYLA (RNAV)		KSTL	ST LOUIS	MO (US)
STAR	TRAKE		KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
DELETED HOLDING PATTERN 3 DATA.
DELETED KLXT RNAV RWY 11 FROM FIX USE.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/30/2012 **OFFICE:** AJV-353 **NAME:** JON DENTON

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI APP CON
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: SPINNER VORTAC **STATE:** IL **COUNTRY:** US

LATITUDE/LONGITUDE: 395023.04N/0894039.83W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SPINNER	SPI	VORTAC	H							45000

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	SPI	VORTAC	216.00	036.00	R	1		2200	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (17-000148)	394815.00N/0892740.00W	2049	3D
1	200	TOWER (17-001249)	394159.00N/0894655.00W	1110	5E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CARDS			KALN	ALTON/ST LOUIS	IL (US)
DP	TURBO			KALN	ALTON/ST LOUIS	IL (US)
DP	CARDS			KBLV	BELLEVILLE	IL (US)
DP	CARDS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KHFY	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	CARDS			KSTL	ST LOUIS	MO (US)
DP	TURBO			KSTL	ST LOUIS	MO (US)
DP	CARDS			KSUS	ST LOUIS	MO (US)
DP	TURBO			KSUS	ST LOUIS	MO (US)
EN ROUTE	J137					(US)
EN ROUTE	J35-101					(US)
EN ROUTE	J80					(US)
EN ROUTE	V129					(US)
EN ROUTE	V173					(US)
EN ROUTE	V233					(US)
EN ROUTE	V50					(US)
EN ROUTE	V67					(US)
EN ROUTE	V69					(US)
EN ROUTE	V9					(US)
EN ROUTE	V9-69					(US)
IAP	RNAV (GPS) RWY 12			KDEC	DECATUR	IL (US)
IAP	RNAV (GPS) RWY 13			KIJX	JACKSONVILLE	IL (US)
IAP	RNAV (GPS) RWY 22			KIJX	JACKSONVILLE	IL (US)
IAP	RNAV (GPS) RWY 31			KIJX	JACKSONVILLE	IL (US)
IAP	NDB RWY 21			KAAA	LINCOLN	IL (US)
IAP	RNAV (GPS) RWY 3			KAAA	LINCOLN	IL (US)
IAP	VOR RWY 3			KAAA	LINCOLN	IL (US)
IAP	HI-ILS OR LOC RWY 22			KSPI	SPRINGFIELD	IL (US)
IAP	HI-ILS OR LOC/DME RWY 4			KSPI	SPRINGFIELD	IL (US)
IAP	HI-VOR/DME OR TACAN RWY 22			KSPI	SPRINGFIELD	IL (US)
IAP	HI-VOR/DME OR TACAN RWY 4			KSPI	SPRINGFIELD	IL (US)
IAP	ILS OR LOC RWY 04			KSPI	SPRINGFIELD	IL (US)
IAP	ILS OR LOC RWY 22			KSPI	SPRINGFIELD	IL (US)
IAP	ILS OR LOC RWY 31			KSPI	SPRINGFIELD	IL (US)
IAP	VOR/DME RWY 13			KSPI	SPRINGFIELD	IL (US)
IAP	VOR/DME RWY 22		1	KSPI	SPRINGFIELD	IL (US)
IAP	VOR/DME RWY 31			KSPI	SPRINGFIELD	IL (US)

IAP	VOR/DME RWY 4	KSPI	SPRINGFIELD	IL (US)
IAP	NDB RWY 18	KTAZ	TAYLORVILLE	IL (US)
IAP	RNAV (GPS) RWY 18	KTAZ	TAYLORVILLE	IL (US)
STAR	MOTIF	KMDW	CHICAGO	IL (US)
STAR	BRADFORD	KORD	CHICAGO	IL (US)
STAR	MOTIF	KGYY	GARY	IN (US)
STAR	BRAYMER	KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER	KIXD	OLATHE	KS (US)
STAR	BRAYMER	KOJC	OLATHE	KS (US)
STAR	BRAYMER	KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER	KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER	KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER	KGPH	MOSBY	MO (US)
STAR	BRAYMER	KSTJ	ST JOSEPH	MO (US)
STAR	RIVERS	KSTL	ST LOUIS	MO (US)
STAR	VANDALIA	KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 06/03/2010

REASON FOR REVISION:
1. COORDINATES UPDATED, PLOTTED POSITION CHANGED BY 1.28 FEET.
2. MOVED REMARK, UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100, TO HOLDING RESTRICTIONS.
3. ADDED REMARK, PRECIPITOUS TERRAIN EVALUATION COMPLETED.
4. CHANGED PAT 1 AND UPN OBSTACLE NUMBERS TO NEW FEDERAL OBSTACLE NUMBERS.
5. DELETED PAT 2 AND 3.

DEVELOPED BY: **DATE:** 09/17/2009 **OFFICE:** AVN-101 **NAME:** EUGENE NEWTON (DAVID SAUER)

APPROVED BY: **DATE:** 05/26/2010 **OFFICE:** AVN-120 **NAME:** SUE CRUMB

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: SPI APP CON, SPI ATCT
OTHER:

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TWAIN **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 394020.55N/0912635.13W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	ST LOUIS	STL	VORTAC	H	316.69	317.69	66.12	66.12		15000	45000
2	SPINNER	SPI	VORTAC	H	264.56	263.56	82.30	82.30		15000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SPI	VORTAC	R-265	83	15000	16000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES	1, 2		KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES	1, 2		KIXD	OLATHE	KS (US)
DP	LAKES	1, 2		KOJC	OLATHE	KS (US)
DP	LAKES	1, 2		KMCI	KANSAS CITY	MO (US)
DP	LAKES	1, 2		KMKC	KANSAS CITY	MO (US)
DP	LAKES	1, 2		KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES	1, 2		KGPH	MOSBY	MO (US)
DP	LAKES	1, 2		KSTJ	ST JOSEPH	MO (US)
EN ROUTE	J151	1, 2				(US)
EN ROUTE	J233	1, 2				(US)
EN ROUTE	J45	1, 2				(US)
EN ROUTE	J80	1, 2				(US)

REQUIRED CHARTING: DP, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 01/13/2011

REASON FOR REVISION:
UPDATE FIX USE.
ADDED FAC 1 DIST FROM FAC NM 66.12 NM.
ADDED FAC 2 DIST FROM FAC NM 82.31 NM.

DEVELOPED BY: **DATE:** 08/16/2010 **OFFICE:** AVN-120 **NAME:** DONALD LANIER

APPROVED BY: **DATE:** 11/16/2010 **OFFICE:** AVN-120 **NAME:** GREGORY YAMAMOTO

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY:
OTHER: