

US Department of Transportation Federal Aviation Administration		STAR - Standard Terminal Arrival				1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00) 2. Distances are in nautical miles to nearest hundredth (e.g. 00.00) 3. Altitudes are minimum altitudes unless otherwise indicated		
(1) Transition Routes								
(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP/ FIX/NAVAID	(d) To RNAV WP/ FIX/NAVAID	(e) Mag Course/ Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
COLNS	COLNS.BRUSH2	COLNS/LDN 46.47 DME STEVEY INT HNN VORTAC JAYKB	STEVEY INT HNN VORTAC JAYKB/HNN 20.00 DME BRUSH /HNN 71.12 DME	269.88/43.27 (HNN R-090) 269.88/89.55 (HNN R-090) 254.42/20.00 254.42/51.14 (HNN-R-254)	FL180 FL180 FL180 15000			
HENDERSON	HNN.BRUSH2	HNN VORTAC JAYKB	JAYKB BRUSH	254.42/20.00 254.42/51.14 (HNN R-254)	FL180 15000			
(2) Arrival Route Description: FROM OVER BRUSH VIA CVG R127.15 (MEA 8,000) to GAVNN, THEN VIA CVG R-127.15 (MEA 8,000) TO TAPIE, THEN VIA CVG R127.15 (MEA 8,000) TO CVG VORTAC. EXPECT VECTORS TO FINAL APPROACH COURSE AFTER GAVNN.								
(3) Procedural Data Notes: NOTE: DME REQUIRED NOTE: ECB NOT A TRANSITION, FOR HOLDING ONLY AS ASSIGNED BY ATC. NOTE: RADAR REQUIRED								
(4) Fixes and/or Holding Patterns: CHART: MRB VORTAC, MRB R-250, LDN VORTAC, LDN R-275, ECB VORTAC, CHART HOLDING AT GAVNN (HOLD SE, LT 307.15 INBOUND, 230KTS CHART HOLDING AT ECB VORTAC (HOLD E, LT, ON 286.00 INBOUND)								
(5) Communications: CINCINNATI APPROACH CONTROL 123.87/363.15, CINCINNATI ATIS ARR, CINCINNATI LUNKEN ATIS								
(6) Arrival Name BRUSH	(7) Number TWO	(8) STAR Computer Code . BRUSH.BRUSH2	(9) Superseded Nr. ONE	(10) Dated APR 8, 2010	(11) Effective Date 3 APRIL 2014			

FAA Form 7100-4 (7/02)

(12) Airports Served					
Airport Name CINCINNATI/NORTHERN KY, INTERNATIONAL			City/State COVINGTON, KY		
Airport Name CINCINNATI MUNICIPAL AIRPORT/LUNKEN FIELD			City/State CINCINNATI, OH		
Airport Name CINCINNATI BLUE ASH			City/State CINCINNATI, OH		
Airport Name CLERMONT CO			City/State BATAVIA, OH		
Airport Name GENE SNYDER			City/State FALMOUTH, KY		
Airport Name BUTLER CO REGIONAL			City/State HAMILTON, OH		
(13) Lost Communications Procedure: IN THE EVENT OF LOST COMMUNICATIONS: FOR LUK – AT CVG VORTAC, PROCEED DIRECT MADEIRA (MDE) MAINTAIN 4,000 FEET UNTIL MADEIRA (MDE). FOR I69 – AT CVG VORTAC, PROCEED DIRECT SPORTYS (PWF) MAINTAIN 4,000 FEET UNTIL SPORTYS (PWF). FOR K62 – AT CVG VORTAC PROCEED VIA V517 FLM VOR/DME, MAINTAIN 3,000 FEET UNTIL FLM VOR/DME.					
(14) Remarks: ESV FOR CVG R-127 ON FILE IN ESVMS SYSTEM. MINIMUM OBSTRUCTION CLEARANCE ALTITUDES (MOCA) NOT REQUIRED FOR THIS PROCEDURE, ATC REQUEST. MAXIMUM AUTHORIZED ALTITUDES (MAA) NOT REQUIRED FOR THIS PROCEDURE, ATC REQUEST.					
(15) Additional Flight Data: CHART LDN R-275/46 DME TO COLNS AND J134 FROM LDN VORTAC TO HNN VORTAC CHART MRB R-250/71 DME AND J6 FROM MRB VORTAC TO COLNS					
QUALITY 2 CHECKED					
(6) Arrival Name BRUSH	(7) Number TWO	(8) STAR Computer Code BRUSH.BRUSH2	(9) Superseded Nr. ONE	(10) Dated APR 8, 2010	(11) Effective Date 3 APRIL 2014

(16) Continuation:

(17) Changes: VERTICAL NAVIGATION PLANNING AT GAVNN REMOVED.

(18) Reasons for Changes: ATC REQUEST.

QUALITY
2
CHECKED

Developed By	Name (Typed and Signed), Title and Organization		DATE		
	-----		Digitally signed by 05/05/2013		
Approved					
ATD					
(5) Arrival Name BRUSH	(6) Number TWO	(7) STAR Computer Code BRUSH.BRUSH2	(8) Superseded Nr. ONE	(9) Dated APR 8, 2010	(10) Effective Date 3 APRIL 2014

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STAR (Data Record)

ARINC PACKET - 424-18 - STAR

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	CVG	K5011730VTL	N39005753W084421205	N39005753W084421205W0040008791	NARCIN	CINNATI							
SUSAD	HNN	K6011590VTH	N38451485W082013420	N38451485W082013420W0030008802	NARH	HENDERSON							

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCVGK5EBRUSH21COLNS	010COLNSK6EA0E		IF						18000			
SUSAP	KCVGK5EBRUSH21COLNS	020STEYVK6EA0E		TF									
SUSAP	KCVGK5EBRUSH21COLNS	030HNN K6D 0V		TF									
SUSAP	KCVGK5EBRUSH21COLNS	040JAYKBK5EA0E		TF									
SUSAP	KCVGK5EBRUSH21COLNS	050BRUSHK5EA0EE		TF									
SUSAP	KCVGK5EBRUSH21HNN	010HNN K6D 0V		IF						18000			
SUSAP	KCVGK5EBRUSH21HNN	020JAYKBK5EA0E		TF									
SUSAP	KCVGK5EBRUSH21HNN	030BRUSHK5EA0EE		TF									
SUSAP	KCVGK5EBRUSH22ALL	010BRUSHK5EA0E		IF						18000			
SUSAP	KCVGK5EBRUSH22ALL	020GAVNNK5EA0E	H	TF									
SUSAP	KCVGK5EBRUSH22ALL	030TAPIEK5EA0E		TF									
SUSAP	KCVGK5EBRUSH22ALL	040CVG K5D 0VE		TF									

QUALITY
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(11) Arrival Name BRUSH	(12) Number TWO	(13) STAR Computer Code BRUSH.BRUSH2	(14) Superseded Nr. ONE	(15) Dated APR 8, 2010	(16) Effective Date 3 APRIL 2014
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**US Department of Transportation
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STAR (Data Record)

SUSAP KCVGK5GRW09	0120000942	N39024691W084414236+0000	+0235200883000052150IIURN1
SUSAP KCVGK5GRW18C	0110001842	N39035307W084400702-0300	+0232500875000055150IISIC1
SUSAP KCVGK5GRW18L	0100001842	N39032108W084384800+0100	+0236100886000055150IICIZ1
SUSAP KCVGK5GRW18R	0080001842	N39041518W084410146+0100	+0229700865000061150IICJN2
SUSAP KCVGK5GRW27	0120002742	N39024654W084391026+0000	+0232700875000055150IJDPI
SUSAP KCVGK5GRW36C	0110000042	N39020436W084400747+0300	+0222300841000052150IICVG3
SUSAP KCVGK5GRW36L	0080000042	N39025611W084410176-0100	+0232200873000054150IIVAC2
SUSAP KCVGK5GRW36R	0100000042	N39014224W084384846-0100	+0239200896000055150IIEEI3

QUALITY
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CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BRUSH	TWO	BRUSH.BRUSH2	ONE	APR 8, 2010	3 APRIL 2014

**US Department of Transportation
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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COLNS	COLNS	010		IF		FB					
	COLNS	STEVY	020		TF		FB					
	COLNS	HNN	030		TF		FB					
	COLNS	JAYKB	040		TF		FB					
	COLNS	BRUSH	050		TF		FB					
	HNN	HNN	010		IF		FB					
	HNN	JAYKB	020		TF		FB					
	HNN	BRUSH	030		TF		FB					
	ALL	BRUSH	010		IF		FB					
	ALL	GAVNN	020		TF		FB					
	ALL	TAPIE	030		TF		FB					
	ALL	CVG	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVG	N390057.53	W0844212.05	N3900.959	W08442.201
	HNN	N384514.85	W0820134.20	N3845.248	W08201.570
	BRUSH	N382202.25	W0832717.36	N3822.038	W08327.289
	COLNS	N385025.48	W0791148.61	N3850.425	W07911.810
	GAVNN	N383652.97	W0835531.21	N3836.883	W08355.520
	JAYKB	N383849.61	W0822546.09	N3838.827	W08225.768
	STEVY	N384911.38	W0800709.42	N3849.190	W08007.157
	TAPIE	N385444.81	W0843002.86	N3854.747	W08430.048
	RW09	N390246.91	W0844142.36	N3902.782	W08441.706
	RW18C	N390353.07	W0844007.02	N3903.885	W08440.117
	RW18L	N390321.08	W0843848.00	N3903.351	W08438.800
	RW18R	N390415.18	W0844101.46	N3904.253	W08441.024
	RW27	N390246.54	W0843910.26	N3902.776	W08439.171
	RW36C	N390204.36	W0844007.47	N3902.073	W08440.125
	RW36L	N390256.11	W0844101.76	N3902.935	W08441.029
	RW36R	N390142.24	W0843848.46	N3901.704	W08438.808

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00883	52
	RW18C	00875	55
	RW18L	00886	55

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RW18R	00865	61
RW27	00875	55
RW36C	00841	52
RW36L	00873	54
RW36R	00896	55

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SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHAOK5EBRUSH21COLNS	010COLNSK6EA0E	IF							18000			
SUSAP	KHAOK5EBRUSH21COLNS	020STEVIK6EA0E	TF										
SUSAP	KHAOK5EBRUSH21COLNS	030HNN K6D 0V	TF										
SUSAP	KHAOK5EBRUSH21COLNS	040JAYKBK5EA0E	TF										
SUSAP	KHAOK5EBRUSH21COLNS	050BRUSHK5EA0EE	TF										
SUSAP	KHAOK5EBRUSH21HNN	010HNN K6D 0V	IF							18000			
SUSAP	KHAOK5EBRUSH21HNN	020JAYKBK5EA0E	TF										
SUSAP	KHAOK5EBRUSH21HNN	030BRUSHK5EA0EE	TF										
SUSAP	KHAOK5EBRUSH22ALL	010BRUSHK5EA0E	IF							18000			
SUSAP	KHAOK5EBRUSH22ALL	020GAVNNK5EA0E	H TF										
SUSAP	KHAOK5EBRUSH22ALL	030TAPIEK5EA0E	TF										
SUSAP	KHAOK5EBRUSH22ALL	040CVG K5D 0VE	TF										

QUALITY
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(11) Arrival Name BRUSH	(12) Number TWO	(13) STAR Computer Code BRUSH.BRUSH2	(14) Superseded Nr. ONE	(15) Dated APR 8, 2010	(16) Effective Date 3 APRIL 2014
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**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

SUSAP KHAOK5GRW11 0055001154 N39215900W084315182-0200 +0158900632000045100R
SUSAP KHAOK5GRW29 0055002954 N39214007W084304618+0200 +0155000619000046100IIRQF1

QUALITY
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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COLNS	COLNS	010		IF		FB					
	COLNS	STEVY	020		TF		FB					
	COLNS	HNN	030		TF		FB					
	COLNS	JAYKB	040		TF		FB					
	COLNS	BRUSH	050		TF		FB					
	HNN	HNN	010		IF		FB					
	HNN	JAYKB	020		TF		FB					
	HNN	BRUSH	030		TF		FB					
	ALL	BRUSH	010		IF		FB					
	ALL	GAVNN	020		TF		FB					
	ALL	TAPIE	030		TF		FB					
	ALL	CVG	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVG	N390057.53	W0844212.05	N3900.959	W08442.201
	HNN	N384514.85	W0820134.20	N3845.248	W08201.570
	BRUSH	N382202.25	W0832717.36	N3822.038	W08327.289
	COLNS	N385025.48	W0791148.61	N3850.425	W07911.810
	GAVNN	N383652.97	W0835531.21	N3836.883	W08355.520
	JAYKB	N383849.61	W0822546.09	N3838.827	W08225.768
	STEVY	N384911.38	W0800709.42	N3849.190	W08007.157
	TAPIE	N385444.81	W0843002.86	N3854.747	W08430.048
	RW11	N392159.00	W0843151.82	N3921.983	W08431.864
	RW29	N392140.07	W0843046.18	N3921.668	W08430.770

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW11	00632	45
	RW29	00619	46

 QUALITY
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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	I69	K5EBRUSH21COLNS	010COLNSK6EA0E		IF					18000			
SUSAP	I69	K5EBRUSH21COLNS	020STEVYK6EA0E		TF								
SUSAP	I69	K5EBRUSH21COLNS	030HNN K6D 0V		TF								
SUSAP	I69	K5EBRUSH21COLNS	040JAYKBK5EA0E		TF								
SUSAP	I69	K5EBRUSH21COLNS	050BRUSHK5EA0EE		TF								
SUSAP	I69	K5EBRUSH21HNN	010HNN K6D 0V		IF					18000			
SUSAP	I69	K5EBRUSH21HNN	020JAYKBK5EA0E		TF								
SUSAP	I69	K5EBRUSH21HNN	030BRUSHK5EA0EE		TF								
SUSAP	I69	K5EBRUSH22ALL	010BRUSHK5EA0E		IF					18000			
SUSAP	I69	K5EBRUSH22ALL	020GAVNNK5EA0E	H	TF								
SUSAP	I69	K5EBRUSH22ALL	030TAPIEK5EA0E		TF								
SUSAP	I69	K5EBRUSH22ALL	040CVG K5D 0VE		TF								

QUALITY
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QUALITY
2
CHECKED

(11) Arrival Name BRUSH	(12) Number TWO	(13) STAR Computer Code BRUSH.BRUSH2	(14) Superseded Nr. ONE	(15) Dated APR 8, 2010	(16) Effective Date 3 APRIL 2014
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SUSAP I69 K5GRW04 0035660405 N39043119W084124721-0900 +0222200840039640075R
SUSAP I69 K5GRW22 0035662205 N39045640W084122332+0900 +0213800813000040075R

QUALITY
2
CHECKED

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BRUSH	TWO	BRUSH.BRUSH2	ONE	APR 8, 2010	3 APRIL 2014

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ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COLNS	COLNS	010		IF		FB					
	COLNS	STEVY	020		TF		FB					
	COLNS	HNN	030		TF		FB					
	COLNS	JAYKB	040		TF		FB					
	COLNS	BRUSH	050		TF		FB					
	HNN	HNN	010		IF		FB					
	HNN	JAYKB	020		TF		FB					
	HNN	BRUSH	030		TF		FB					
	ALL	BRUSH	010		IF		FB					
	ALL	GAVNN	020		TF		FB					
	ALL	TAPIE	030		TF		FB					
	ALL	CVG	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVG	N390057.53	W0844212.05	N3900.959	W08442.201
	HNN	N384514.85	W0820134.20	N3845.248	W08201.570
	BRUSH	N382202.25	W0832717.36	N3822.038	W08327.289
	COLNS	N385025.48	W0791148.61	N3850.425	W07911.810
	GAVNN	N383652.97	W0835531.21	N3836.883	W08355.520
	JAYKB	N383849.61	W0822546.09	N3838.827	W08225.768
	STEVY	N384911.38	W0800709.42	N3849.190	W08007.157
	TAPIE	N385444.81	W0843002.86	N3854.747	W08430.048
	RW04	N390431.19	W0841247.21	N3904.520	W08412.787
	RW22	N390456.40	W0841223.32	N3904.940	W08412.389

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00840	40
	RW22	00813	40

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[illegible][illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789	01234567890	12345678901	23456789012	34567890123
SUSAP K62	K5EBRUSH21COLNS	010COLNSK6EA0E		IF						18000			
SUSAP K62	K5EBRUSH21COLNS	020STEYK6EA0E		TF									
SUSAP K62	K5EBRUSH21COLNS	030HNN K6D OV		TF									
SUSAP K62	K5EBRUSH21COLNS	040JAYKBK5EA0E		TF									
SUSAP K62	K5EBRUSH21COLNS	050BRUSHK5EA0EE		TF									
SUSAP K62	K5EBRUSH21HNN	010HNN K6D OV		IF						18000			
SUSAP K62	K5EBRUSH21HNN	020JAYKBK5EA0E		TF									
SUSAP K62	K5EBRUSH21HNN	030BRUSHK5EA0EE		TF									
SUSAP K62	K5EBRUSH22ALL	010BRUSHK5EA0E		IF						18000			
SUSAP K62	K5EBRUSH22ALL	020GAVNKK5EA0E H		TF									
SUSAP K62	K5EBRUSH22ALL	030TAPIEK5EA0E		TF									
SUSAP K62	K5EBRUSH22ALL	040CVG K5D OVE		TF									

QUALITY
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QUALITY
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(11) Arrival Name BRUSH	(12) Number TWO	(13) STAR Computer Code BRUSH.BRUSH2	(14) Superseded Nr. ONE	(15) Dated APR 8, 2010	(16) Effective Date 3 APRIL 2014
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**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

SUSAP K62 K5GRW03 0039940314 N38415774W084234083-0400 +0240000899010050075D
SUSAP K62 K5GRW21 0039942114 N38423250W084231973+0400 +0235600885000041075R

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(11)
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ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	COLNS	COLNS	010		IF		FB					
	COLNS	STEVY	020		TF		FB					
	COLNS	HNN	030		TF		FB					
	COLNS	JAYKB	040		TF		FB					
	COLNS	BRUSH	050		TF		FB					
	HNN	HNN	010		IF		FB					
	HNN	JAYKB	020		TF		FB					
	HNN	BRUSH	030		TF		FB					
	ALL	BRUSH	010		IF		FB					
	ALL	GAVNN	020		TF		FB					
	ALL	TAPIE	030		TF		FB					
	ALL	CVG	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVG	N390057.53	W0844212.05	N3900.959	W08442.201
	HNN	N384514.85	W0820134.20	N3845.248	W08201.570
	BRUSH	N382202.25	W0832717.36	N3822.038	W08327.289
	COLNS	N385025.48	W0791148.61	N3850.425	W07911.810
	GAVNN	N383652.97	W0835531.21	N3836.883	W08355.520
	JAYKB	N383849.61	W0822546.09	N3838.827	W08225.768
	STEVY	N384911.38	W0800709.42	N3849.190	W08007.157
	TAPIE	N385444.81	W0843002.86	N3854.747	W08430.048
	RW03	N384157.74	W0842340.83	N3841.962	W08423.681
	RW21	N384232.50	W0842319.73	N3842.542	W08423.329

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00899	50
	RW21	00885	41

 QUALITY
2
CHECKED

 (11)
Arrival Name
BRUSH

 (12)
Number
TWO

 (13)
STAR Computer Code
BRUSH.BRUSH2

 (14)
Superseded Nr.
ONE

 (15)
Dated
APR 8, 2010

 (16)
Effective Date
3 APRIL 2014

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLUKK5EBRUSH21COLNS	010COLNSK6EA0E		IF						18000			
SUSAP	KLUKK5EBRUSH21COLNS	020STEVYK6EA0E		TF									
SUSAP	KLUKK5EBRUSH21COLNS	030HNN K6D 0V		TF									
SUSAP	KLUKK5EBRUSH21COLNS	040JAYKBK5EA0E		TF									
SUSAP	KLUKK5EBRUSH21COLNS	050BRUSHK5EA0EE		TF									
SUSAP	KLUKK5EBRUSH21HNN	010HNN K6D 0V		IF						18000			
SUSAP	KLUKK5EBRUSH21HNN	020JAYKBK5EA0E		TF									
SUSAP	KLUKK5EBRUSH21HNN	030BRUSHK5EA0EE		TF									
SUSAP	KLUKK5EBRUSH22ALL	010BRUSHK5EA0E		IF						18000			
SUSAP	KLUKK5EBRUSH22ALL	020GAVNNK5EA0E	H	TF									
SUSAP	KLUKK5EBRUSH22ALL	030TAPIEK5EA0E		TF									
SUSAP	KLUKK5EBRUSH22ALL	040CVG K5D 0VE		TF									

QUALITY
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[illegible]

QUALITY
2
CHECKED

(11) Arrival Name BRUSH	(12) Number TWO	(13) STAR Computer Code BRUSH.BRUSH2	(14) Superseded Nr. ONE	(15) Dated APR 8, 2010	(16) Effective Date 3 APRIL 2014
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**US Department of Transportation
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STAR (Data Record)

SUSAP KLUKK5GRW03L	0038020267	N39055861W084252698-0100	+0113100483000050100D
SUSAP KLUKK5GRW03R	0061010250	N39053379W084251018-0100	+0112600481000045150R
SUSAP KLUKK5GRW07	0051280661	N39061133W084253562-0100	+0112700482043950100D
SUSAP KLUKK5GRW21L	0061012050	N39063009W084244243+0100	+0110700475000039150IILUK1
SUSAP KLUKK5GRW21R	0038022067	N39063328W084250837+0100	+0111700479000046100V
SUSAP KLUKK5GRW25	0051282461	N39063302W084244305+0100	+0110600475000055100R

QUALITY
2
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(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
BRUSH	TWO	BRUSH.BRUSH2	ONE	APR 8, 2010	3 APRIL 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	COLNS	COLNS	010		IF		FB					
	COLNS	STEVY	020		TF		FB					
	COLNS	HNN	030		TF		FB					
	COLNS	JAYKB	040		TF		FB					
	COLNS	BRUSH	050		TF		FB					
	HNN	HNN	010		IF		FB					
	HNN	JAYKB	020		TF		FB					
	HNN	BRUSH	030		TF		FB					
	ALL	BRUSH	010		IF		FB					
	ALL	GAVNN	020		TF		FB					
	ALL	TAPIE	030		TF		FB					
	ALL	CVG	040		TF		FB					

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVG	N390057.53	W0844212.05	N3900.959	W08442.201
	HNN	N384514.85	W0820134.20	N3845.248	W08201.570
	BRUSH	N382202.25	W0832717.36	N3822.038	W08327.289
	COLNS	N385025.48	W0791148.61	N3850.425	W07911.810
	GAVNN	N383652.97	W0835531.21	N3836.883	W08355.520
	JAYKB	N383849.61	W0822546.09	N3838.827	W08225.768
	STEVY	N384911.38	W0800709.42	N3849.190	W08007.157
	TAPIE	N385444.81	W0843002.86	N3854.747	W08430.048
	RW03L	N390558.61	W0842526.98	N3905.977	W08425.450
	RW03R	N390533.79	W0842510.18	N3905.563	W08425.170
	RW07	N390611.33	W0842535.62	N3906.189	W08425.594
	RW21L	N390630.09	W0842442.43	N3906.502	W08424.707
	RW21R	N390633.28	W0842508.37	N3906.555	W08425.140
	RW25	N390633.02	W0842443.05	N3906.550	W08424.718

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03L	00483	50
	RW03R	00481	45
	RW07	00482	50
	RW21L	00475	39
	RW21R	00479	46

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**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

RW25 00475 55

QUALITY
2
CHECKED**(11)
Arrival Name**
BRUSH**(12)
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TWO**(13)
STAR Computer Code**
BRUSH.BRUSH2**(14)
Superseded Nr.**
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Dated**
APR 8, 2010**(16)
Effective Date**
3 APRIL 2014