

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
HASTINGS	HSI.KOHOE2	HSI VOR/DME	HSI VOR/DME <b>MNNOW</b> <b>MRRAY</b> <b>MKREL</b> <b>PUFFR</b> <b>PIEKE</b> <b>HMRHD</b> <b>HERNG</b> <b>KOHOE</b>	268.84/102.31 249.99/16.88 249.24/25.55 248.75/32.12 248.49/20.78 248.21/13.33 248.02/09.62 247.89/17.03	FL200 FL200 FL200 FL200 FL200 FL200 16000 16000			AT/BELOW FL340 AT/BELOW FL320 AT/ABOVE FL230, AT/BELOW FL280
WOLBACH	OBH.KOHOE2	OBH VORTAC	OBH VORTAC <b>MNNOW</b> <b>MRRAY</b> <b>MKREL</b> <b>PUFFR</b>	244.09/110.39 249.99/16.88 249.24/25.55 248.75/32.12	FL200 FL200 FL200 FL200			

(2) **Arrival Route Description:** FROM KOHOE ON TRACK 247.65/5.00 TO CROSS SLMON AT OR ABOVE FL210 AT 280 KTS (MEA 16000), THENCE AS DEPICTED TO BARRK, THEN ON TRACK 172.75. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

Continued on block 16...

### (3) Procedural Data Notes:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET ONLY. NOTE: AIRCRAFT LANDING AT FTG/BKF EXPECT RADAR VECTORS TO FINAL APPROACH COURSE. NOTE: EXPECT RUNWAY ASSIGNMENT ON INITIAL CONTACT WITH DENVER TRACON. NOTE: THE CORRESPONDING RNAV STAR IS WAHUU. EXPECT WAHUU WHEN DEN IS LANDING SOUTH.

(4) **Fixes and/or Holding Patterns:** CHART HOLDING AT HSI VOR/DME (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS). CHART HOLDING AT MRRAY (HOLD NE, RT, 249.99 INBOUND, 10 NM LEGS). CHART HOLDING AT OBH VORTAC (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS). CHART HOLDING AT PIEKE (HOLD NE, RT, 248.49 INBOUND, 10 NM LEGS). CHART HOLDING AT SLMON (HOLD NE, RT, 247.65 INBOUND, 10 NM LEGS). CHART HOLDING AT SPAWN (HOLD E, RT, 260.00 INBOUND, 10 NM LEGS).

(5) **Communications:** DENVER APP CON, BUCKLEY TWR, BUCKLEY ATIS, DENVER ATIS ARR, FRONT RANGE TWR, FRONT RANGE ATIS

(6) Arrival Name KOHOE RNAV	(7) Number TWO	(8) STAR Computer Code KOHOE.KOHOE2	(9) Superseded Nr. ONE	(10) Dated 15 NOV 2012	(11) Effective Date 27 JUN 2013
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**(12) Airports Served**

Airport Name DENVER INTL	City/State DENVER, CO
Airport Name BUCKLEY AFB	City/State AURORA, CO
Airport Name FRONT RANGE	City/State DENVER, CO
Airport Name	City/State
Airport Name	City/State
Airport Name	City/State

**(13) Lost Communications Procedure:** IN THE EVENT OF LOST COMMUNICATIONS PRIOR TO RUNWAY ASSIGNMENT, EXECUTE THE ILS RWY 35L.

**(14) Remarks:****(15) Additional Flight Data:**

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KDEN 8E/2015

CHART BUCKLEY AFB AIRPORT.

CHART FRONT RANGE AIRPORT.

CHART: 280 KTS AT HERNG, CHART: 280 KTS AT KOHOE, CHART: 280 KTS AT SLMON, CHART: 250 KTS AT SAYGE, CHART: 250 KTS AT DHATT, CHART: 210 KTS AT DOGGG.

**(6) Arrival Name**

KOHOE RNAV

**(7) Number**

TWO

**(8) STAR Computer Code**

KOHOE.KOHOE2

**(9) Superseded Nr.**

ONE

**(10) Dated**

15 NOV 2012

**(11) Effective Date**

27 JUN 2013

**(16) Continuation:****(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
SPAWN	SPAWN.KOHOE2	SPAWN	<b>PIEKE</b> <b>HMRHD</b> <b>HERNG</b> <b>KOHOE</b> <b>SPAWN</b> <b>MNNOW</b> <b>MRRAY</b> <b>MKREL</b> <b>PUFFR</b> <b>PIEKE</b>	248.49/20.78 248.21/13.33 248.02/09.62 247.89/17.03  253.84/107.42 249.99/16.88 249.24/25.55 248.75/32.12 248.49/20.78	FL200 FL200 16000 16000  FL200 FL200 FL200 FL200 FL200			AT/BELOW FL340 AT/BELOW FL320 AT/ABOVE FL230, AT/BELOW FL280

Continued on (16)Continuation: 2 of...

**(17) Changes:** 1. DELETED ALTITUDE RESTRICTION AT DONTT. 2. AMENDED COMMON ROUTE TO BEGIN AT KOHOE. 3. APPENDED OBH, SPAWN, HSI TRANSITIONS TO END AT KOHOE.

**(18) Reasons for Changes:** 1. ATC REQUEST. 2-3. NEEDED TO BRING PROCEDURE INTO COMPLIANCE WITH NAMING CONVENTION REQUIREMENTS.

<b>(6) Arrival Name</b> KOHOE RNAV	<b>(7) Number</b> TWO	<b>(8) STAR Computer Code</b> KOHOE.KOHOE2	<b>(9) Superseded Nr.</b> ONE	<b>(10) Dated</b> 15 NOV 2012	<b>(11) Effective Date</b> 27 JUN 2013
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**(16) Continuation (2 of 2):****(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
			<b>HMRHD</b>	248.21/13.33	FL200			AT/BELOW FL340
			<b>HERNG</b>	248.02/09.62	16000			AT/BELOW FL320
			<b>KOHOE</b>	247.89/17.03	16000			AT/ABOVE FL230, AT/BELOW FL280

**(2) Arrival Route Description:****(BLOCK 2 DETAILED ARRIVAL ROUTE DESCRIPTION FOR CHARTING):**

FROM KOHOE ON TRACK 247.65/5.00 TO CROSS SLMON AT/ABOVE 21000 AND AT 280 KTS (MEA 16000), THEN ON TRACK 247.56/10.00 TO CROSS SAYGE AT/ABOVE FL200 AND AT/BELOW FL220 AND AT 250 KTS (MEA 16000), THEN ON TRACK 231.02/10.00 TO EEZEE (MEA 9000), THEN ON TRACK 230.90/6.25 TO CROSS MOKME AT/ABOVE 15000 AND AT/BELOW 17000 (MEA 9000), THEN ON TRACK 230.99/14.00 TO CROSS DHATT AT/ABOVE 13000 AND AT/BELOW 14000 AND AT 250 KTS (MEA 9000), THEN ON TRACK 230.89/4.61 TO FFFAT (MEA 9000), THEN ON TRACK 172.74/6.11 TO CROSS DOGGG AT 11000 AND AT 210 KTS (MEA 8000), THEN ON TRACK 172.71/8.91 TO DONTT (MEA 8000), THEN ON TRACK 172.75/9.63 TO BARRK (MEA 8000), THEN ON TRACK 172.75. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

27 JUN 2013

US Department of Transportation Federal Aviation Administration							RNAV STAR (Data Record)		
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
HSI VOR/DME	403616.33N / 0982546.62W	Y		IF					HSI.KOHOE2
MNNOW	404710.65N / 1003931.00W	Y	FB	TF	276.84	102.31			
MRRAY	404337.82N / 1010113.80W	Y	FB	TF	257.99	16.88			
MKREL	403754.45N / 1013357.62W	Y	FB	TF	257.24	25.55			
PUFFR	403025.20N / 1021456.82W	Y	FB	TF	256.75	32.12			
PIEKE	402530.63N / 1024124.22W	Y	FB	TF	256.49	20.78			
HMRHD	402218.54N / 1025820.63W	Y	FB	TF	256.21	13.33	-FL340		
HERNG	401958.35N / 1031033.15W	Y	FB	TF	256.02	09.62	-FL320	280K	
KOHOE	401547.07N / 1033207.29W	Y	FB	TF	255.89	17.03	+FL230, -FL280	280K	
En Route Transition									
OBH VORTAC	412232.65N / 0982112.94W	Y		IF					OBH.KOHOE2
MNNOW	404710.65N / 1003931.00W	Y	FB	TF	252.09	110.39			
MRRAY	404337.82N / 1010113.80W	Y	FB	TF	257.99	16.88			
MKREL	403754.45N / 1013357.62W	Y	FB	TF	257.24	25.55			
(11) Arrival Name KOHOE RNAV	(12) Number TWO	(13) STAR Computer Code KOHOE.KOHOE2	(14) Superseded Nr. ONE	(15) Dated 15 NOV 2012	(16) Effective Date 27 JUN 2013				

US Department of Transportation Federal Aviation Administration							RNAV STAR (Data Record)		
(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
PUFFR	403025.20N / 1021456.82W	Y	FB	TF	256.75	32.12			
PIEKE	402530.63N / 1024124.22W	Y	FB	TF	256.49	20.78			
HMRHD	402218.54N / 1025820.63W	Y	FB	TF	256.21	13.33	-FL340		
HERNG	401958.35N / 1031033.15W	Y	FB	TF	256.02	09.62	-FL320	280K	
KOHOE	401547.07N / 1033207.29W	Y	FB	TF	255.89	17.03	+FL230, -FL280	280K	
En Route Transition									
SPAWN	410350.89N / 0981930.47W	Y		IF					SPAWN.KOHOE2
MNOW	404710.65N / 1003931.00W	Y	FB	TF	261.84	107.42			
MRRAY	404337.82N / 1010113.80W	Y	FB	TF	257.99	16.88			
MKREL	403754.45N / 1013357.62W	Y	FB	TF	257.24	25.55			
PUFFR	403025.20N / 1021456.82W	Y	FB	TF	256.75	32.12			
PIEKE	402530.63N / 1024124.22W	Y	FB	TF	256.49	20.78			
HMRHD	402218.54N / 1025820.63W	Y	FB	TF	256.21	13.33	-FL340		
HERNG	401958.35N / 1031033.15W	Y	FB	TF	256.02	09.62	-FL320	280K	
KOHOE	401547.07N / 1033207.29W	Y	FB	TF	255.89	17.03	+FL230, -FL280	280K	
(11) Arrival Name KOHOE RNAV	(12) Number TWO	(13) STAR Computer Code KOHOE.KOHOE2	(14) Superseded Nr. ONE	(15) Dated 15 NOV 2012	(16) Effective Date 27 JUN 2013				

US Department of Transportation Federal Aviation Administration				RNAV STAR (Data Record)						
Common Route										
KOHOE	401547.07N / 1033207.29W	Y		IF			+FL230, -FL280	280K	KOHOE.KOHOE2	
SLMON	401432.54N / 1033826.68W	Y	FB	TF	255.65	05.00	+FL210	280K		
SAYGE	401202.15N / 1035104.99W	Y	FB	TF	255.56	10.00	+FL200, -FL220	250K		
EEZEE	400652.57N / 1040215.52W	Y	FB	TF	239.02	10.00				
MOKME	400338.56N / 1040913.68W	Y	FB	TF	238.90	06.25	+15000, -17000			
DHATT	395624.36N / 1042449.66W	Y	FB	TF	238.99	14.00	+13000, -14000	250K		
FFFAT	395401.30N / 1042957.17W	Y	FB	TF	238.89	04.61				
DOGGG	394754.32N / 1043003.31W	Y	FB	TF	180.74	06.11	11000	210K		
DONTT	393859.05N / 1043011.90W	Y	FB	TF	180.71	08.91				
BARRK	392921.00N / 1043021.69W	Y	FO	TF	180.75	09.63				
KDEN				FM	180.75					
(11) Arrival Name KOHOE RNAV		(12) Number TWO		(13) STAR Computer Code KOHOE.KOHOE2			(14) Superseded Nr. ONE		(15) Dated 15 NOV 2012	(16) Effective Date 27 JUN 2013





**US Department of Transportation  
Federal Aviation Administration**

### STAR (Data Record)

SUSAP	KFTGK2EKOHOE24HSI	040MKRELK3EA0E	010TF			
SUSAP	KFTGK2EKOHOE24HSI	050PUFFRK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE24HSI	060PIEKEK2EA0E	H 010TF			
SUSAP	KFTGK2EKOHOE24HSI	070HMRHDK2EA0E	010TF		- FL340	
SUSAP	KFTGK2EKOHOE24HSI	080HERNGK2EA0E	010TF		- FL320	280
SUSAP	KFTGK2EKOHOE24HSI	090KOHOEK2EA0EE	010TF		B FL280FL230	280
SUSAP	KFTGK2EKOHOE24OBH	010OBH K3D 0V	H IF			18000
SUSAP	KFTGK2EKOHOE24OBH	020MNNOWK3EA0E	010TF			
SUSAP	KFTGK2EKOHOE24OBH	030MRRAYK3EA0E	H 010TF			
SUSAP	KFTGK2EKOHOE24OBH	040MKRELK3EA0E	010TF			
SUSAP	KFTGK2EKOHOE24OBH	050PUFFRK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE24OBH	060PIEKEK2EA0E	H 010TF			
SUSAP	KFTGK2EKOHOE24OBH	070HMRHDK2EA0E	010TF		- FL340	
SUSAP	KFTGK2EKOHOE24OBH	080HERNGK2EA0E	010TF		- FL320	280
SUSAP	KFTGK2EKOHOE24OBH	090KOHOEK2EA0EE	010TF		B FL280FL230	280
SUSAP	KFTGK2EKOHOE24SPAWN	010SPAWNK3EA0E	H IF			18000
SUSAP	KFTGK2EKOHOE24SPAWN	020MNNOWK3EA0E	010TF			
SUSAP	KFTGK2EKOHOE24SPAWN	030MRRAYK3EA0E	H 010TF			
SUSAP	KFTGK2EKOHOE24SPAWN	040MKRELK3EA0E	010TF			
SUSAP	KFTGK2EKOHOE24SPAWN	050PUFFRK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE24SPAWN	060PIEKEK2EA0E	H 010TF			
SUSAP	KFTGK2EKOHOE24SPAWN	070HMRHDK2EA0E	010TF		- FL340	
SUSAP	KFTGK2EKOHOE24SPAWN	080HERNGK2EA0E	010TF		- FL320	280
SUSAP	KFTGK2EKOHOE24SPAWN	090KOHOEK2EA0EE	010TF		B FL280FL230	280
SUSAP	KFTGK2EKOHOE25ALL	010KOHOEK2EA0E	IF		B FL280FL230	18000280
SUSAP	KFTGK2EKOHOE25ALL	020SLMONK2EA0E	H 010TF		+ FL210	280
SUSAP	KFTGK2EKOHOE25ALL	030SAYGEK2EA0E	010TF		B FL220FL200	250
SUSAP	KFTGK2EKOHOE25ALL	040EEZEK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE25ALL	050MOKMEK2EA0E	010TF		B 1700015000	
SUSAP	KFTGK2EKOHOE25ALL	060DHATTK2EA0E	010TF		B 1400013000	250
SUSAP	KFTGK2EKOHOE25ALL	070FFFATK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE25ALL	080DOGGGK2EA0E	010TF		11000	210
SUSAP	KFTGK2EKOHOE25ALL	090DONTTK2EA0E	010TF			
SUSAP	KFTGK2EKOHOE25ALL	100BARRKK2EA0EY	010TF			
SUSAP	KFTGK2EKOHOE25ALL	110BARRKK2EA0EE	FM DVV K2	159302491728	D	

[illegible]

(11) <b>Arrival Name</b> KOHAE RNAV	(12) <b>Number</b> TWO	(13) <b>STAR Computer Code</b> KOHAE.KOHAE2	(14) <b>Superseded Nr.</b> ONE	(15) <b>Dated</b> 15 NOV 2012	(16) <b>Effective Date</b> 27 JUN 2013
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**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
	HSI	HSI	010		IF		FB					
	HSI	MNNOW	020		TF		FB	1.0				
	HSI	MRRAY	030		TF		FB	1.0				
	HSI	MKREL	040		TF		FB	1.0				
	HSI	PUFFR	050		TF		FB	1.0				
	HSI	PIEKE	060		TF		FB	1.0				
	HSI	HMRHD	070		TF		FB	1.0			AB FL340	
	HSI	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	HSI	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	OBH	OBH	010		IF		FB					
	OBH	MNNOW	020		TF		FB	1.0				
	OBH	MRRAY	030		TF		FB	1.0				
	OBH	MKREL	040		TF		FB	1.0				
	OBH	PUFFR	050		TF		FB	1.0				
	OBH	PIEKE	060		TF		FB	1.0				
	OBH	HMRHD	070		TF		FB	1.0			AB FL340	
	OBH	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	OBH	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	SPAWN	SPAWN	010		IF		FB					
	SPAWN	MNNOW	020		TF		FB	1.0				
	SPAWN	MRRAY	030		TF		FB	1.0				
	SPAWN	MKREL	040		TF		FB	1.0				
	SPAWN	PUFFR	050		TF		FB	1.0				
	SPAWN	PIEKE	060		TF		FB	1.0				
	SPAWN	HMRHD	070		TF		FB	1.0			AB FL340	
	SPAWN	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	SPAWN	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	ALL	KOHOE	010		IF		FB				BT FL280FL230	AT 280
	ALL	SLMON	020		TF		FB	1.0			AA FL210	AT 280
	ALL	SAYGE	030		TF		FB	1.0			BT FL220FL200	AT 250
	ALL	EEZEE	040		TF		FB	1.0				
	ALL	MOKME	050		TF		FB	1.0			BT 1700015000	
	ALL	DHATT	060		TF		FB	1.0			BT 1400013000	AT 250
	ALL	FFFAT	070		TF		FB	1.0				
	ALL	DOGGG	080		TF		FB	1.0			AT 11000	AT 210
	ALL	DONTT	090		TF		FB	1.0				
	ALL	BARRK	100		TF		FO	1.0				
	ALL	BARRK	110		FM		FB		172.8()			

(11)  
**Arrival Name**  
KOHOE RNAV

(12)  
**Number**  
TWO

(13)  
**STAR Computer Code**  
KOHOE.KOHOE2

(14)  
**Superseded Nr.**  
ONE

(15)  
**Dated**  
15 NOV 2012

(16)  
**Effective Date**  
27 JUN 2013

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

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HSI	N403616.33	W0982546.62	N4036.272	W09825.777
	OBH	N412232.65	W0982112.94	N4122.544	W09821.216
	BARRK	N392921.00	W1043021.69	N3929.350	W10430.362
	DHATT	N395624.36	W1042449.66	N3956.406	W10424.828
	DOGGG	N394754.32	W1043003.31	N3947.905	W10430.055
	DONTT	N393859.05	W1043011.90	N3938.984	W10430.198
	EEZEE	N400652.57	W1040216.52	N4006.876	W10402.259
	FFFAT	N395401.30	W1042957.17	N3954.022	W10429.953
	HERNG	N401958.35	W1031033.15	N4019.973	W10310.553
	HMRHD	N402218.54	W1025820.63	N4022.309	W10258.344
	KOHOE	N401547.07	W1033207.29	N4015.785	W10332.122
	MKREL	N403754.45	W1013357.62	N4037.908	W10133.960
	MNNOW	N404710.65	W1003931.00	N4047.178	W10039.517
	MOKME	N400338.56	W1040913.68	N4003.643	W10409.228
	MRRAY	N404337.82	W1010113.80	N4043.630	W10101.230
	PIEKE	N402530.63	W1024124.22	N4025.511	W10241.404
	PUFFR	N403025.20	W1021456.82	N4030.420	W10214.947
	SAYGE	N401202.15	W1035104.99	N4012.036	W10351.083
	SLMON	N401432.54	W1033826.68	N4014.542	W10338.445
	SPAWN	N410350.89	W0981930.47	N4103.848	W09819.508
	RW08	N394738.42	W1043354.87	N3947.640	W10433.915
	RW17	N394708.15	W1043127.24	N3947.136	W10431.454
	RW26	N394736.82	W1043212.43	N3947.614	W10432.207
	RW35	N394549.10	W1043127.22	N3945.818	W10431.454

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	05450	50
	RW17	05473	55
	RW26	05485	45
	RW35	05512	54

(11)  
Arrival Name  
KOHOE RNAV

(12)  
Number  
TWO

(13)  
STAR Computer Code  
KOHOE.KOHOE2

(14)  
Superseded Nr.  
ONE

(15)  
Dated  
15 NOV 2012

(16)  
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27 JUN 2013

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

RW16R	05322	55
RW17L	05328	48
RW17R	05378	60
RW25	05355	55
RW26	05294	55
RW34L	05327	50
RW34R	05354	59
RW35L	05434	57
RW35R	05370	59

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOHOE RNAV	TWO	KOHOE.KOHOE2	ONE	15 NOV 2012	27 JUN 2013

FAA Form 7100-3 (9/02)

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

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HSI	N403616.33	W0982546.62	N4036.272	W09825.777
	OBH	N412232.65	W0982112.94	N4122.544	W09821.216
	BARRK	N392921.00	W1043021.69	N3929.350	W10430.362
	DHATT	N395624.36	W1042449.66	N3956.406	W10424.828
	DOGGG	N394754.32	W1043003.31	N3947.905	W10430.055
	DONTT	N393859.05	W1043011.90	N3938.984	W10430.198
	EEZEE	N400652.57	W1040215.52	N4006.876	W10402.259
	FFFAT	N395401.30	W1042957.17	N3954.022	W10429.953
	HERNG	N401958.35	W1031033.15	N4019.973	W10310.553
	HMRHD	N402218.54	W1025820.63	N4022.309	W10258.344
	KOHOE	N401547.07	W1033207.29	N4015.785	W10332.122
	MKREL	N403754.45	W1013357.62	N4037.908	W10133.960
	MNNOW	N404710.65	W1003931.00	N4047.178	W10039.517
	MOKME	N400338.56	W1040913.68	N4003.643	W10409.228
	MRRAY	N404337.82	W1010113.80	N4043.630	W10101.230
	PIEKE	N402530.63	W1024124.22	N4025.511	W10241.404
	PUFFR	N403025.20	W1021456.82	N4030.420	W10214.947
	SAYGE	N401202.15	W1035104.99	N4012.036	W10351.083
	SLMON	N401432.54	W1033826.68	N4014.542	W10338.445
	SPAWN	N410350.89	W0981930.47	N4103.848	W09819.508
	RW07	N395027.40	W1044335.96	N3950.457	W10443.599
	RW08	N395239.20	W1043944.03	N3952.653	W10439.734
	RW16L	N395349.33	W1044112.50	N3953.822	W10441.208
	RW16R	N395344.87	W1044145.90	N3953.748	W10441.765
	RW17L	N395153.83	W1043828.70	N3951.897	W10438.478
	RW17R	N395140.48	W1043936.56	N3951.675	W10439.609
	RW25	N395026.37	W1044102.17	N3950.440	W10441.036
	RW26	N395238.08	W1043710.15	N3952.635	W10437.169
	RW34L	N395106.79	W1044147.72	N3951.113	W10441.795
	RW34R	N395150.77	W1044113.88	N3951.846	W10441.231
	RW35L	N394941.93	W1043937.98	N3949.699	W10439.633
	RW35R	N394955.27	W1043830.16	N3949.921	W10438.503

**RUNWAY DATA**

RWY	THRESHOLD	TCH
	ELEVATION	
RW07	05350	55
RW08	05354	52
RW16L	05350	60

(11)  
**Arrival Name**  
KOHOE RNAV

(12)  
**Number**  
TWO

(13)  
**STAR Computer Code**  
KOHOE.KOHOE2

(14)  
**Superseded Nr.**  
ONE

(15)  
**Dated**  
15 NOV 2012

(16)  
**Effective Date**  
27 JUN 2013

**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
	HSI	HSI	010		IF		FB					
	HSI	MNNOW	020		TF		FB	1.0				
	HSI	MRRAY	030		TF		FB	1.0				
	HSI	MKREL	040		TF		FB	1.0				
	HSI	PUFFR	050		TF		FB	1.0				
	HSI	PIEKE	060		TF		FB	1.0				
	HSI	HMRHD	070		TF		FB	1.0			AB FL340	
	HSI	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	HSI	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	OBH	OBH	010		IF		FB					
	OBH	MNNOW	020		TF		FB	1.0				
	OBH	MRRAY	030		TF		FB	1.0				
	OBH	MKREL	040		TF		FB	1.0				
	OBH	PUFFR	050		TF		FB	1.0				
	OBH	PIEKE	060		TF		FB	1.0				
	OBH	HMRHD	070		TF		FB	1.0			AB FL340	
	OBH	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	OBH	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	SPAWN	SPAWN	010		IF		FB					
	SPAWN	MNNOW	020		TF		FB	1.0				
	SPAWN	MRRAY	030		TF		FB	1.0				
	SPAWN	MKREL	040		TF		FB	1.0				
	SPAWN	PUFFR	050		TF		FB	1.0				
	SPAWN	PIEKE	060		TF		FB	1.0				
	SPAWN	HMRHD	070		TF		FB	1.0			AB FL340	
	SPAWN	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	SPAWN	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	ALL	KOHOE	010		IF		FB				BT FL280FL230	AT 280
	ALL	SLMON	020		TF		FB	1.0			AA FL210	AT 280
	ALL	SAYGE	030		TF		FB	1.0			BT FL220FL200	AT 250
	ALL	EEZEE	040		TF		FB	1.0				
	ALL	MOKME	050		TF		FB	1.0			BT 1700015000	
	ALL	DHATT	060		TF		FB	1.0			BT 1400013000	AT 250
	ALL	FFFAT	070		TF		FB	1.0				
	ALL	DOGGG	080		TF		FB	1.0			AT 11000	AT 210
	ALL	DONTT	090		TF		FB	1.0				
	ALL	BARRK	100		TF		FO	1.0				
	ALL	BARRK	110		FM		FB		172.8()			

(11)  
**Arrival Name**  
KOHOE RNAV

(12)  
**Number**  
TWO

(13)  
**STAR Computer Code**  
KOHOE.KOHOE2

(14)  
**Superseded Nr.**  
ONE

(15)  
**Dated**  
15 NOV 2012

(16)  
**Effective Date**  
27 JUN 2013

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

SUSAP KDENK2GRW17L	0120001725	N39515383W104382870+0300	+1605905328000048150IIBXP1
SUSAP KDENK2GRW17R	0120001725	N39514048W104393656+0500	+1621005378000060150IIACX1
SUSAP KDENK2GRW25	0120002625	N39502637W104410217+0000	+1614205355000055150IIERP1
SUSAP KDENK2GRW26	0120002626	N39523808W104371015+0500	+1595505294000055150IIJOY1
SUSAP KDENK2GRW34L	0160003525	N39510679W104414772+0000	+1605605327000050200IIDXU3
SUSAP KDENK2GRW34R	0120003525	N39515077W104411388+0000	+1613705354000059150IIIOUF3
SUSAP KDENK2GRW35L	0120003525	N39494193W104393798-0500	+1638105434000057150IIAQD3
SUSAP KDENK2GRW35R	0120003525	N39495527W104383016-0300	+1618705370000059150IIDPP3

(11) Arrival Name	(12) Number	(13) STAR Computer Code	(14) Superseded Nr.	(15) Dated	(16) Effective Date
KOHOE RNAV	TWO	KOHOE.KOHOE2	ONE	15 NOV 2012	27 JUN 2013

### STAR (Data Record)

[illegible]

<b>(11)</b> <b>Arrival Name</b> KOHAE RNAV	<b>(12)</b> <b>Number</b> TWO	<b>(13)</b> <b>STAR Computer Code</b> KOHAE.KOHAE2	<b>(14)</b> <b>Superseded Nr.</b> ONE	<b>(15)</b> <b>Dated</b> 15 NOV 2012	<b>(16)</b> <b>Effective Date</b> 27 JUN 2013
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### STAR (Data Record)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBKFK2EKOHOE24HSI	010HSI	K3D 0V	H	IF					18000			
SUSAP	KBKFK2EKOHOE24HSI	020MNNOWK3EA0E			010TF								
SUSAP	KBKFK2EKOHOE24HSI	030MRRAYK3EA0E		H	010TF								

<b>(11)</b> <b>Arrival Name</b> KOHAE RNAV	<b>(12)</b> <b>Number</b> TWO	<b>(13)</b> <b>STAR Computer Code</b> KOHAE.KOHAE2	<b>(14)</b> <b>Superseded Nr.</b> ONE	<b>(15)</b> <b>Dated</b> 15 NOV 2012	<b>(16)</b> <b>Effective Date</b> 27 JUN 2013
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**US Department of Transportation  
Federal Aviation Administration**

### STAR (Data Record)

SUSAP	KBKFK2EKOHOE24HSI	040MKRELK3EAOE	010TF		
SUSAP	KBKFK2EKOHOE24HSI	050PUFFRK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE24HSI	060PIEKEK2EAOE	H 010TF		
SUSAP	KBKFK2EKOHOE24HSI	070HMRHDK2EAOE	010TF	- FL340	
SUSAP	KBKFK2EKOHOE24HSI	080HERNGK2EAOE	010TF	- FL320	280
SUSAP	KBKFK2EKOHOE24HSI	090KOHOEK2EAOEE	010TF	B FL280FL230	280
SUSAP	KBKFK2EKOHOE24OBH	010OBH K3D 0V	H IF		18000
SUSAP	KBKFK2EKOHOE24OBH	020MNNOWK3EAOE	010TF		
SUSAP	KBKFK2EKOHOE24OBH	030MRRAYK3EAOE	H 010TF		
SUSAP	KBKFK2EKOHOE24OBH	040MKRELK3EAOE	010TF		
SUSAP	KBKFK2EKOHOE24OBH	050PUFFRK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE24OBH	060PIEKEK2EAOE	H 010TF		
SUSAP	KBKFK2EKOHOE24OBH	070HMRHDK2EAOE	010TF	- FL340	
SUSAP	KBKFK2EKOHOE24OBH	080HERNGK2EAOE	010TF	- FL320	280
SUSAP	KBKFK2EKOHOE24OBH	090KOHOEK2EAOEE	010TF	B FL280FL230	280
SUSAP	KBKFK2EKOHOE24SPAWN	010SPAWNK3EAOE	H IF		18000
SUSAP	KBKFK2EKOHOE24SPAWN	020MNNOWK3EAOE	010TF		
SUSAP	KBKFK2EKOHOE24SPAWN	030MRRAYK3EAOE	H 010TF		
SUSAP	KBKFK2EKOHOE24SPAWN	040MKRELK3EAOE	010TF		
SUSAP	KBKFK2EKOHOE24SPAWN	050PUFFRK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE24SPAWN	060PIEKEK2EAOE	H 010TF		
SUSAP	KBKFK2EKOHOE24SPAWN	070HMRHDK2EAOE	010TF	- FL340	
SUSAP	KBKFK2EKOHOE24SPAWN	080HERNGK2EAOE	010TF	- FL320	280
SUSAP	KBKFK2EKOHOE24SPAWN	090KOHOEK2EAOEE	010TF	B FL280FL230	280
SUSAP	KBKFK2EKOHOE25ALL	010KOHOEK2EAOE	IF	B FL280FL230	18000280
SUSAP	KBKFK2EKOHOE25ALL	020SLMONK2EAOE	H 010TF	+ FL210	280
SUSAP	KBKFK2EKOHOE25ALL	030SAYGEK2EAOE	010TF	B FL220FL200	250
SUSAP	KBKFK2EKOHOE25ALL	040EEZEK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE25ALL	050MOKMEK2EAOE	010TF	B 1700015000	
SUSAP	KBKFK2EKOHOE25ALL	060DHATTK2EAOE	010TF	B 1400013000	250
SUSAP	KBKFK2EKOHOE25ALL	070FFFATK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE25ALL	080DOGGGK2EAOE	010TF	11000	210
SUSAP	KBKFK2EKOHOE25ALL	090DONTTK2EAOE	010TF		
SUSAP	KBKFK2EKOHOE25ALL	100BARRKK2EAOEY	010TF		
SUSAP	KBKFK2EKOHOE25ALL	110BARRKK2EAOEE	FM DVV K2	159302491728	D

[illegible]

<b>(11)</b> <b>Arrival Name</b> KOHOE RNAV	<b>(12)</b> <b>Number</b> TWO	<b>(13)</b> <b>STAR Computer Code</b> KOHOE.KOHOE2	<b>(14)</b> <b>Superseded Nr.</b> ONE	<b>(15)</b> <b>Dated</b> 15 NOV 2012	<b>(16)</b> <b>Effective Date</b> 27 JUN 2013
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**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
	HSI	HSI	010		IF		FB					
	HSI	MNNOW	020		TF		FB	1.0				
	HSI	MRRAY	030		TF		FB	1.0				
	HSI	MKREL	040		TF		FB	1.0				
	HSI	PUFFR	050		TF		FB	1.0				
	HSI	PIEKE	060		TF		FB	1.0				
	HSI	HMRHD	070		TF		FB	1.0			AB FL340	
	HSI	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	HSI	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	OBH	OBH	010		IF		FB					
	OBH	MNNOW	020		TF		FB	1.0				
	OBH	MRRAY	030		TF		FB	1.0				
	OBH	MKREL	040		TF		FB	1.0				
	OBH	PUFFR	050		TF		FB	1.0				
	OBH	PIEKE	060		TF		FB	1.0				
	OBH	HMRHD	070		TF		FB	1.0			AB FL340	
	OBH	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	OBH	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	SPAWN	SPAWN	010		IF		FB					
	SPAWN	MNNOW	020		TF		FB	1.0				
	SPAWN	MRRAY	030		TF		FB	1.0				
	SPAWN	MKREL	040		TF		FB	1.0				
	SPAWN	PUFFR	050		TF		FB	1.0				
	SPAWN	PIEKE	060		TF		FB	1.0				
	SPAWN	HMRHD	070		TF		FB	1.0			AB FL340	
	SPAWN	HERNG	080		TF		FB	1.0			AB FL320	AT 280
	SPAWN	KOHOE	090		TF		FB	1.0			BT FL280FL230	AT 280
	ALL	KOHOE	010		IF		FB				BT FL280FL230	AT 280
	ALL	SLMON	020		TF		FB	1.0			AA FL210	AT 280
	ALL	SAYGE	030		TF		FB	1.0			BT FL220FL200	AT 250
	ALL	EEZEE	040		TF		FB	1.0				
	ALL	MOKME	050		TF		FB	1.0			BT 1700015000	
	ALL	DHATT	060		TF		FB	1.0			BT 1400013000	AT 250
	ALL	FFFAT	070		TF		FB	1.0				
	ALL	DOGGG	080		TF		FB	1.0			AT 11000	AT 210
	ALL	DONTT	090		TF		FB	1.0				
	ALL	BARRK	100		TF		FO	1.0				
	ALL	BARRK	110		FM		FB		172.8()			

(11)  
**Arrival Name**  
KOHOE RNAV

(12)  
**Number**  
TWO

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**STAR Computer Code**  
KOHOE.KOHOE2

(14)  
**Superseded Nr.**  
ONE

(15)  
**Dated**  
15 NOV 2012

(16)  
**Effective Date**  
27 JUN 2013

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

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DVV	N395340.88	W1043727.61	N3953.681	W10437.460
	HSI	N403616.33	W0982546.62	N4036.272	W09825.777
	OBH	N412232.65	W0982112.94	N4122.544	W09821.216
	BARRK	N392921.00	W1043021.69	N3929.350	W10430.362
	DHATT	N395624.36	W1042449.66	N3956.406	W10424.828
	DOGGG	N394754.32	W1043003.31	N3947.905	W10430.055
	DONTT	N393859.05	W1043011.90	N3938.984	W10430.198
	EEZEE	N400652.57	W1040215.52	N4006.876	W10402.259
	FFFAT	N395401.30	W1042957.17	N3954.022	W10429.953
	HERNG	N401958.35	W1031033.15	N4019.973	W10310.553
	HMRHD	N402218.54	W1025820.63	N4022.309	W10258.344
	KOHOE	N401547.07	W1033207.29	N4015.785	W10332.122
	MKREL	N403754.45	W1013357.62	N4037.908	W10133.960
	MNNOW	N404710.65	W1003931.00	N4047.178	W10039.517
	MOKME	N400338.56	W1040913.68	N4003.643	W10409.228
	MRRAY	N404337.82	W1010113.80	N4043.630	W10101.230
	PIEKE	N402530.63	W1024124.22	N4025.511	W10241.404
	PUFFR	N403025.20	W1021456.82	N4030.420	W10214.947
	SAYGE	N401202.15	W1035104.99	N4012.036	W10351.083
	SILMON	N401432.54	W1033826.68	N4014.542	W10338.445
	SPAWN	N410350.89	W0981930.47	N4103.848	W09819.508
	RW14	N394253.93	W1044541.16	N3942.899	W10445.686
	RW32	N394118.75	W1044433.04	N3941.313	W10444.551

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW14	05591	42
	RW32	05664	44

(11)  
**Arrival Name**  
KOHOE RNAV

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