

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**STANDARD TERMINAL ARRIVAL (STAR)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet. MSL. Altitudes are minimum altitudes unless otherwise indicated.

Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JOVEM RNAV	TWO	DEBBB.JOVEM2	ONE	18 SEP 2014	25 JUN 2015

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
BELFR	BELFR.JOVEM2	BELFR	BELFR						
			LETNN	116.28	30.19	10000	3100		BETWEEN FL240 AND FL300
			ZUBOV	116.67	14.70	5000	2500		BETWEEN FL200 AND FL230
			DEBBB	116.71	15.17	5000	2500		BETWEEN 15000 AND FL180
FAWNT	FAWNT.JOVEM2	FAWNT	FAWNT						
			WNSTR	180.03	13.13	10000	2500		BETWEEN FL240 AND FL280
			RBUKL	180.00	05.20	5000	2200		
			CRUTH	180.01	14.88	5000	2800		BETWEEN FL200 AND FL230
			DEBBB	179.99	15.06	5000	3900		BETWEEN 15000 AND FL180
HNKER	HNKER.JOVEM2	HNKER	HNKER						
			KWANA	070.62	44.45	10000	3400		
			WLLTR	106.41	38.69	10000	2700		
			GLOKK	106.71	30.10	10000	2500		BETWEEN FL240 AND FL300
			LAYMN	107.01	15.00	10000	2500		BETWEEN FL200 AND FL230
			DEBBB	106.96	15.00	5000	2500		BETWEEN 15000 AND FL180
HOFFF	HOFFF.JOVEM2	HOFFF	HOFFF						
			BBENN	180.20	29.18	10000	3300		
			TYPTN	128.82	30.52	10000	3200		
			COWNE	128.90	30.02	10000	2400		BETWEEN FL240 AND FL300
			JEYAR	129.14	14.93	5000	2600		BETWEEN FL200 AND FL230
			DEBBB	129.30	15.07	5000	2600		BETWEEN 15000 AND FL180
IBAKE	IBAKE.JOVEM2	IBAKE	IBAKE						
			FAWNT	180.04	50.16	10000	2900		
			WNSTR	180.03	13.13	10000	2500		BETWEEN FL240 AND FL280
			RBUKL	180.00	05.20	5000	2200		
			CRUTH	180.01	14.88	5000	2800		BETWEEN FL200 AND FL230
			DEBBB	179.99	15.06	5000	3900		BETWEEN 15000 AND FL180
KLAWW	KLAWW.JOVEM2	KLAWW	KLAWW						

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

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Arrival Name JOVEM RNAV			Number TWO	STAR Computer Code DEBBB.JOVEM2	Superseded Number ONE			Dated 18 SEP 2014	Effective Date <b>25 JUN 2015</b>
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
			JERBL	212.63	61.25	10000	2800		
			BUDDD	213.30	51.91	10000	2900		
			FAWNT	206.98	13.07	10000	2500		
			WNSTR	180.03	13.13	10000	2500		BETWEEN FL240 AND FL280
			RBUKL	180.00	05.20	5000	2200		
			CRUTH	180.01	14.88	5000	2800		BETWEEN FL200 AND FL230
			DEBBB	179.99	15.06	5000	3900		BETWEEN 15000 AND FL180
MDANO	MDANO.JOVEM2	MDANO	MDANO						
			BELFR	115.74	51.94	10000	3000		
			LETNN	116.28	30.19	10000	3100		BETWEEN FL240 AND FL300
			ZUBOV	116.67	14.70	5000	2500		BETWEEN FL200 AND FL230
			DEBBB	116.71	15.17	5000	2500		BETWEEN 15000 AND FL180
POTTY	POTTY.JOVEM2	POTTY	POTTY						
			BBENN	128.24	25.61	10000	2800		
			TYPTN	128.82	30.52	10000	3200		
			COWNE	128.90	30.02	10000	2400		BETWEEN FL240 AND FL300
			JEYAR	129.14	14.93	5000	2600		BETWEEN FL200 AND FL230
			DEBBB	129.30	15.07	5000	2600		BETWEEN 15000 AND FL180
RBUKL	RBUKL.JOVEM2	RBUKL	RBUKL						
			CRUTH	180.01	14.88	5000	2800		BETWEEN FL200 AND FL230
			DEBBB	179.99	15.06	5000	3900		BETWEEN 15000 AND FL180
TURKI	TURKI.JOVEM2	TURKI	TURKI						
			GANJA	093.99	40.52	10000	4400		
			KWANA	105.87	40.79	10000	3200		
			WLLTR	106.41	38.69	10000	2700		
			GLOKK	106.71	30.10	10000	2500		BETWEEN FL240 AND FL300
			LAYMN	107.01	15.00	10000	2500		BETWEEN FL200 AND FL230
			DEBBB	106.96	15.00	5000	2500		BETWEEN 15000 AND FL180
TYPTN	TYPTN.JOVEM2	TYPTN	TYPTN						

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Arrival Name		Number		STAR Computer Code		Superseded Number			Dated	Effective Date
JOVEM RNAV		TWO		DEBBB.JOVEM2		ONE			18 SEP 2014	25 JUN 2015
Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes	
			COWNE	128.90	30.02	10000	2400		BETWEEN FL240 AND FL300	
			JEYAR	129.14	14.93	5000	2600		BETWEEN FL200 AND FL230	
			DEBBB	129.30	15.07	5000	2600		BETWEEN 15000 AND FL180	
WLLTR	WLLTR.JOVEM2	WLLTR	WLLTR							
			GLOKK	106.71	30.10	10000	2500		BETWEEN FL240 AND FL300	
			LAYMN	107.01	15.00	10000	2500		BETWEEN FL200 AND FL230	
			DEBBB	106.96	15.00	5000	2500		BETWEEN 15000 AND FL180	

ARRIVAL ROUTE DESCRIPTION:

FROM DEBBB ON TRACK 131.33/8.88 TO CROSS JOVEM BETWEEN 12000 AND 15000 AND AT 270 KIAS (MEA 3900), THEN ON TRACK 131.42/13.12 TO CROSS MSSLE BETWEEN 11000 AND 12000 AND AT 250 KIAS (MEA 3000/MOCA 2400), THEN ON TRACK 131.48/11.81 TO CROSS SILER AT 11000 AND AT 220 KIAS (MEA 3000/MOCA 2100), THEN ON TRACK 173.34/10.91 TO KBOOM (MEA 3000/MOCA 2100), THEN ON TRACK 176.00/12.30 TO FUEWL (MEA 3000/MOCA 2400), THEN ON TRACK 176.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: TURBOJET AIRCRAFT ONLY.

NOTE: FOR USE WHEN DFW IS OPERATING IN A NORTH FLOW. WHEN DFW IS OPERATING IN A SOUTH FLOW, FILE AND EXPECT THE DEBBB RNAV STAR.

NOTE: FAWNT, WLLTR, BELFR, TYPTN, HOFFF ENROUTE TRANSITIONS - ATC ASSIGNED ONLY.

NOTE: RBUKL TRANSITION: FOR OKC TERMINAL AREA DEPARTURES ONLY.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT FAWNT: HOLD N, RT, 180.03 INBOUND, 10 NM LEGS. CHART HOLDING AT RBUKL: HOLD N, RT, 180.00 INBOUND, 10 NM LEGS. CHART HOLDING AT POTTY: HOLD NW, RT, 128.44 INBOUND, 10 NM LEGS. CHART HOLDING AT BELFR: HOLD N, LT, 175.00 INBOUND, 10 NM LEGS. CHART HOLDING AT KWANA: HOLD W, LT, 105.87 INBOUND, 10 NM LEGS. CHART HOLDING AT LAYMN: HOLD W, LT, 107.01 INBOUND, 10 NM LEGS. CHART HOLDING AT TURKI: HOLD W, RT, 093.00 INBOUND, 10 NM LEGS. CHART HOLDING AT DEBBB: HOLD W, RT, 106.96 INBOUND, 10 NM LEGS. CHART HOLDING AT ZUBOV: HOLD NW, LT, 116.67 INBOUND, 10 NM LEGS. CHART HOLDING AT JEYAR: HOLD NW, LT, 129.14 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DFW ATIS, REGIONAL APP CON.

AIRPORTS SERVED:

DALLAS/FORT WORTH INTL, DALLAS-FORT WORTH, TX

LOST COMMUNICATIONS PROCEDURE:

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Distances are in nautical miles (NM). Graphic depiction attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>JOVEM RNAV</b>	<b>TWO</b>	<b>DEBBB.JOVEM2</b>	<b>ONE</b>	<b>18 SEP 2014</b>	<b>25 JUN 2015</b>

REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0).

REFERENCE MAGNETIC VARIATION = KDFW 04E/2015

CHANGES:

ADDED HOLDING AT FAWNT, TURKI, ZUBOV, JEYAR, AND DEBBB.

ADDED FAWNT, WLLTR, TYPTN, BELFR, AND HOFFF TRANSITIONS (ATC ASSIGNED ONLY).

ADDED RBUKL TRANSITION (OKC TERM AREA DEPARTURES ONLY)

REPLACED WUENL WITH BUDDD ON THE KLAWW TRANSITION.

MOVED JERBL (MOVED 1.77 NM, NAME RETAINED AT ATC REQUEST).

MOVED FAWNT (MOVED 4.33 NM, NAME RETAINED AT ATC REQUEST).

MOVED WNSTR (MOVED 3.15 NM, NAME RETAINED AT ATC REQUEST).

MOVED RBUKL (MOVED 2.71 NM, NAME RETAINED AT ATC REQUEST).

MOVED CRUTH (MOVED 1.38 NM, NAME RETAINED AT ATC REQUEST).

MOVED IBAKE (MOVED 3.54 NM, NAME RETAINED AT ATC REQUEST).

CHANGED ALTITUDE RESTRICTION AT MSSLE FROM AT 11000 TO 11000B12000

CHANGED ALTITUDE RESTRICTIONS AT GLOKK, LETNN, AND COWNE FROM FL240BFL280 TO FL240BFL300

REMOVED ALTITUDE AND SPEED RESTRICTIONS AT KBOOM

ADDED FUEWL AT THE END OF THE COMMON ROUTE.

REASONS:

ATC REQUEST AS RESULT OF N TX OAPM POST IMPLEMENTATION.

## US DEPARTMENT of TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

## STAR (DATA RECORD)

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JOVEM RNAV	TWO	DEBBB.JOVEM2	ONE	18 SEP 2014	25 JUN 2015

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
BELFR	335339.35N / 0984026.06W	Y		IF					BELFR.JOVEM2
LETNN	333820.40N / 0980912.29W	Y	FB	TF	120.28	30.19	FL240BFL300	AT 290K	
ZUBOV	333048.71N / 0975404.88W	Y	FB	TF	120.67	14.70	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	120.71	15.17	15000BFL180	AT 280K	
En Route Transition									
FAWNT	341116.53N / 0973427.69W	Y		IF					FAWNT.JOVEM2
WNSTR	335809.28N / 0973534.21W	Y	FB	TF	184.03	13.13	FL240BFL280	AT 290K	
RBUKL	335257.26N / 0973600.39W	Y	FB	TF	184.00	05.20			
CRUTH	333804.86N / 0973715.18W	Y	FB	TF	184.01	14.88	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	183.99	15.06	15000BFL180	AT 280K	
En Route Transition									
HNKER	334635.42N / 1002040.46W	Y		IF					HNKER.JOVEM2
KWANA	335813.07N / 0992908.51W	Y	FB	TF	074.62	44.45			
WLLTR	334434.58N / 0984539.65W	Y	FB	TF	110.41	38.69			
GLOKK	333350.21N / 0981158.22W	Y	FB	TF	110.71	30.10	FL240BFL300	AT 290K	
LAYMN	332825.85N / 0975514.05W	Y	FB	TF	111.01	15.00	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	110.96	15.00	15000BFL180	AT 280K	
En Route Transition									
HOFFF	345408.63N / 0985522.14W	Y		IF					HOFFF.JOVEM2
BBENN	342459.60N / 0985757.23W	Y	FB	TF	184.20	29.18			
TYPTN	340409.53N / 0983100.17W	Y	FB	TF	132.82	30.52			
COWNE	334338.41N / 0980438.14W	Y	FB	TF	132.90	30.02	FL240BFL300	AT 290K	
JEYAR	333324.00N / 0975136.00W	Y	FB	TF	133.14	14.93	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	133.30	15.07	15000BFL180	AT 280K	

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## STAR (DATA RECORD)

Arrival Name		Number		STAR Computer Code		Superseded Number		Dated	Effective Date
JOVEM RNAV		TWO		DEBBB.JOVEM2		ONE		18 SEP 2014	25 JUN 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
IBAKE	350123.62N / 0973011.87W	Y		IF					IBAKE.JOVEM2
FAWNT	341116.53N / 0973427.69W	Y	FB	TF	184.04	50.16			
WNSTR	335809.28N / 0973534.21W	Y	FB	TF	184.03	13.13	FL240BFL280	AT 290K	
RBUKL	335257.26N / 0973600.39W	Y	FB	TF	184.00	05.20			
CRUTH	333804.86N / 0973715.18W	Y	FB	TF	184.01	14.88	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	183.99	15.06	15000BFL180	AT 280K	
En Route Transition									
KLAWW	355320.11N / 0960349.97W	Y		IF					KLAWW.JOVEM2
JERBL	350358.12N / 0964820.63W	Y	FB	TF	216.63	61.25			
BUDDD	342230.40N / 0972621.06W	Y	FB	TF	217.30	51.91			
FAWNT	341116.53N / 0973427.69W	Y	FB	TF	210.98	13.07			
WNSTR	335809.28N / 0973534.21W	Y	FB	TF	184.03	13.13	FL240BFL280	AT 290K	
RBUKL	335257.26N / 0973600.39W	Y	FB	TF	184.00	05.20			
CRUTH	333804.86N / 0973715.18W	Y	FB	TF	184.01	14.88	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	183.99	15.06	15000BFL180	AT 280K	
En Route Transition									
MDANO	341939.92N / 0993436.83W	Y		IF					MDANO.JOVEM2
BELFR	335339.35N / 0984026.06W	Y	FB	TF	119.74	51.94			
LETNN	333820.40N / 0980912.29W	Y	FB	TF	120.28	30.19	FL240BFL300	AT 290K	
ZUBOV	333048.71N / 0975404.88W	Y	FB	TF	120.67	14.70	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	120.71	15.17	15000BFL180	AT 280K	
En Route Transition									
POTTY	344216.40N / 0992052.24W	Y		IF					POTTY.JOVEM2
BBENN	342459.60N / 0985757.23W	Y	FB	TF	132.24	25.61			
TYPTN	340409.53N / 0983100.17W	Y	FB	TF	132.82	30.52			
COWNE	334338.41N / 0980438.14W	Y	FB	TF	132.90	30.02	FL240BFL300	AT 290K	

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Arrival Name		Number		STAR Computer Code		Superseded Number		Dated	Effective Date
JOVEM RNAV		TWO		DEBBB.JOVEM2		ONE		18 SEP 2014	25 JUN 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
JEYAR	333324.00N / 0975136.00W	Y	FB	TF	133.14	14.93	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	133.30	15.07	15000BFL180	AT 280K	
En Route Transition									
RBUKL	335257.26N / 0973600.39W	Y		IF					RBUKL.JOVEM2
CRUTH	333804.86N / 0973715.18W	Y	FB	TF	184.01	14.88	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	183.99	15.06	15000BFL180	AT 280K	
En Route Transition									
TURKI	341803.33N / 1010339.02W	Y		IF					TURKI.JOVEM2
GANJA	341215.08N / 1001516.30W	Y	FB	TF	097.99	40.52			
KWANA	335813.07N / 0992908.51W	Y	FB	TF	109.87	40.79			
WLLTR	334434.58N / 0984539.65W	Y	FB	TF	110.41	38.69			
GLOKK	333350.21N / 0981158.22W	Y	FB	TF	110.71	30.10	FL240BFL300	AT 290K	
LAYMN	332825.85N / 0975514.05W	Y	FB	TF	111.01	15.00	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	110.96	15.00	15000BFL180	AT 280K	
En Route Transition									
TYPTN	340409.53N / 0983100.17W	Y		IF					TYPTN.JOVEM2
COWNE	334338.41N / 0980438.14W	Y	FB	TF	132.90	30.02	FL240BFL300	AT 290K	
JEYAR	333324.00N / 0975136.00W	Y	FB	TF	133.14	14.93	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	133.30	15.07	15000BFL180	AT 280K	
En Route Transition									
WLLTR	334434.58N / 0984539.65W	Y		IF					WLLTR.JOVEM2
GLOKK	333350.21N / 0981158.22W	Y	FB	TF	110.71	30.10	FL240BFL300	AT 290K	
LAYMN	332825.85N / 0975514.05W	Y	FB	TF	111.01	15.00	FL200BFL230	AT 290K	
DEBBB	332302.04N / 0973830.16W	Y	FB	TF	110.96	15.00	15000BFL180	AT 280K	

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
JOVEM RNAV	TWO	DEBBB.JOVEM2	ONE	18 SEP 2014	25 JUN 2015

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
<b>Common Route</b>									
DEBBB	332302.04N / 0973830.16W	Y		IF			15000BFL180	AT 280K	DEBBB.JOVEM2
JOVEM	331642.20N / 0973103.36W	Y	FB	TF	135.33	08.88	12000B15000	AT 270K	
MSSLE	330719.91N / 0972005.46W	Y	FB	TF	135.42	13.12	11000B12000	AT 250K	
SILER	325853.33N / 0971014.92W	Y	FB	TF	135.48	11.81	AT 11000	AT 220K	
KBOOM	324758.12N / 0970938.88W	Y	FB	TF	177.34	10.91			
FUEWL	323538.43N / 0970938.88W	Y	FO	TF	180.00	12.30			
KDFW				FM	180.00				RECOMMENDED NAVAID: PGO VORTAC

