

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.91 MILES AFTER WONDD LOM/OTG 5.43 DME
OTG VOR/DME	WONDD LOM/OTG 5.43 DME	101.22 / 5.43	3300	CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3300 DIRECT WONDD LOM/OTG 5.43 DME AND HOLD.
LEVRE/OTG 12.00 DME CW (IAF)	CUKMO/OTG 12.00 DME (NOPT)	12.00 DME ARC (OTG LR-094)	3300	
CUKMO/OTG 12.00 DME (IF)	WONDD LOM/OTG 5.43 DME	292.74 / 6.58 (I-OTG)	3300	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 292.74 INBOUND. FAS OBST: 1740 AAO 433706N/0952939W CHART OTG R-014 AT LEVRE.

1. PT L SIDE OF COURSE 112.74 OUTBOUND 3300 FT WITHIN 10 MILES OF WONDD LOM (IAF)  
2. \_\_\_\_\_  
3. FAC: 292.74 FAF: WONDD LOM/OTG 5.43 DME DIST FAF TO MAP: 4.91 THLD: 4.91  
4. MIN. ALT: WONDD LOM 3300  
5. DIST TO THLD FROM OM: 4.91 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 807  
6. MIN GS INCPT: 3300 GS ALT AT: - OM: 3205 MM: - IM: -  
7. GS ANGLE: 3.00 TCH: 53.0  
8. MSA FROM: OT LOM 180-360 3900, 360-180 3100

MAG VAR: 2E EPOCH YEAR: 2015

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X						
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 29	1766	1/2	200	1766	1/2	200	1766	1/2	200	1766	1/2	200			
S-LOC 29	2000	1/2	434	2000	1/2	434	2000	3/4	434	2000	3/4	434			
CIRCLING	2100	1	526	2100	1	526	2100	1 1/2	526	2140	2	566			

NOTES:  
CHART NOTE: ADF OR DME REQUIRED.  
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1770.  
CHART PLANVIEW NOTE: ADF OR DME REQUIRED.  
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.  
(SEE FORM 8260-10)

QUALITY  
2  
CHECKED

CITY AND STATE WORTHINGTON, MN	ELEVATION: 1574 THRE: 1566 AIRPORT NAME: WORTHINGTON MUNI	FACILITY IDENTIFIER: I-OTG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 29, AMDT 1 10 JANUARY 2013	SUP: AMDT: ORIG-B DATED 02/09/2012
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION  
ILS - STANDARD  
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JACKSON ALTIMETER SETTING AND INCREASE

ALL DA 78 FEET, ALL MDA 80 FEET, INCREASE S-LOC 29 CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING JACKSON ALTIMETER SETTING, INCREASE S-ILS 29 ALL CATS VISIBILITY TO 7/8 MILE.

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## FLIGHT STANDARDS SERVICES - FAR PART 97.29

ARINC PACKET - 424-18 - ILS

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## U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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SUSAP KOTGK3SOT K3PN

0

1803600312536018003925

M

1 2 3 4 5 6 7 8 9 0 1 2 3  
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAPNKOTGK3 OT K3002770HOLW N43370268W095275076

E0020

NARWONDD

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## ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	LEVRE	LEVRE	010	IAF	IF		FB					
	LEVRE	CUKMO	020		AF	R	FB		013.6 ( )		AA 03300	
	OTG	OTG	010		IF		FB					
	OTG	WONDD	020		TF		FB				AA 03300	
	OTG	WONDD	030	IAF	PI	R	FB		067.7 ( )	010.0	AA 03300	
		CUKMO	010	FACF	IF		FB				AA 03300 GI 03300	
		WONDD	020	FAF	CF		FB		293.0 ( )	006.6	GI 03300 GS 03205	
		RW29	030	MAP	CF		FO		293.0 ( )	004.9	AT 01619	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		292.7 ( )		AA 02500	
	OT	050		DF	R	FO				AA 03300	
	OT	060		HM	R	FO		292.7 ( )	T01.0	AA 03300	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OTG	N433848.90	W0953455.05	N4338.815	W09534.918
	CUKMO	N433415.48	W0951938.24	N4334.258	W09519.637
	LEVRE	N434958.31	W0952849.03	N4349.972	W09528.817
	WONDD	N433701.37	W0952751.44	N4337.023	W09527.857
	RW29	N433904.74	W0953359.46	N4339.079	W09533.991
	IOTG (LOC)	N433931.65	W0953519.92	N4339.528	W09535.332
	OT	N433702.68	W0952750.76	N4337.045	W09527.846

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	01566	53

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KOTGK3FL29	ALEVRE	010LEVREK3EA0E	A	IF	OTG K3	01360120	D		18000		0	NS
SUSAP	KOTGK3FL29	ALEVRE	020CUKMOK3EA0EE	BR	AF	OTG K3	104201200136	D	+ 03300			0	NS
SUSAP	KOTGK3FL29	AOTG	010OTG K3D 0V		IF					18000		0	NS
SUSAP	KOTGK3FL29	AOTG	020WONDDK3EA0E		TF				+ 03300			0	NS
SUSAP	KOTGK3FL29	AOTG	030WONDDK3EA0EE	AR	PI	IOTGK3	1127006006770100	PI	+ 03300			0	NS
SUSAP	KOTGK3FL29	L	010CUKMOK3EA0E	I	IF	IOTGK3	11270126	PI	+ 03300	18000		0	NS
SUSAP	KOTGK3FL29	L	020WONDDK3EA0E	F	CF	IOTGK3	1127006029300066	PI	+ 03300		OT	K3PN0	0
SUSAP	KOTGK3FL29	L	030RW29 K3PG0GY	M	CF	IOTGK3	1127001129300049	PI	01619	-323		0	NS
SUSAP	KOTGK3FL29	L	040	0 M	CA		2927		+ 02500			0	NS
SUSAP	KOTGK3FL29	L	0500T	K3PN0NY	R	DF			+ 03300			0	NS
SUSAP	KOTGK3FL29	L	0600T	K3PN0NE	R	HM	2927T010		+ 03300			0	NS

[illegible][illegible][illegible]

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0

1803600312536018003925

M

1 2 3 4 5 6 7 8 9 0 1 2 3  
NAVAID 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAPNKOTGK3 OT K3002770HOLW N43370268W095275076

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	OTG	WONDD	020		TF		FB				AA 03300	
	OTG	WONDD	030	IAF	PI	R	FB		067.7()	010.0	AA 03300	
		CUKMO	010	FACF	IF		FB				AA 03300	
		WONDD	020	FAF	CF		FB		293.0()	006.6	AA 03300	
		RW29	030	MAP	CF		FO		293.0()	004.9	AT 01619	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		292.7()		AA 02500	
	OT	050		DF	R	FO				AA 03300	
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