FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
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 depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GILCO	**FIVE**	**WOLDE.GILCO5**	**FOUR**	**04/30/2015**	**10 OCT 2019**

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
HARVEY	HRV.GILCO5	HRV VORTAC	HRV VORTAC						
		HRV VORTAC	TOPEZ	258.21 (HRV R-258)	77.35	16000	2100		
		TOPEZ	JEPEG	258.21 (HRV R-258)	53.13	16000	1600		
		JEPEG	GIRLY	265.00 (MHF R-085)	32.49	14000	1300		
		GIRLY	KUGLE	265.00 (MHF R-085)	42.76	6000	1300		
		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		
JEPEG	JEPEG.GILCO5	JEPEG	JEPEG						
		JEPEG	GIRLY	265.00 (MHF R-085)	32.49	14000	1300		
		GIRLY	KUGLE	265.00 (MHF R-085)	42.76	6000	1300		
		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		
KLAMS	KLAMS.GILCO5	KLAMS	KLAMS						
		KLAMS	LAURL	316.17 (SBI R-136)	47.01	16000	1300		
		LAURL	KUGLE	316.17 (SBI R-136)	47.35	6000	1200		
		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		
LEEVILLE	LEV.GILCO5	LEV VORTAC	LEV VORTAC						
		LEV VORTAC	POLND	276.34 (LEV R-276)	60.00	FL180	1700		
		POLND	JEPEG	276.34 (LEV R-276)	64.60	FL180	1300		
		JEPEG	GIRLY	265.00 (MHF R-085)	32.49	14000	1300		
		GIRLY	KUGLE	265.00 (MHF R-085)	42.76	6000	1300		

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		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		
LAFAYETTE	LFT.GILCO5	LFT VORTAC	LFT VORTAC						
		LFT VORTAC	GIRLY	230.41 (LFT R-230)	70.75	6000	2300		
		GIRLY	KUGLE	265.00 (MHF R-085)	42.76	6000	1300		
		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		
SABINE PASS	SBI.GILCO5	SBI VOR/DME	SBI VOR/DME						
		SBI VOR/DME	WOLDE	233.30 (SBI R-233)	18.48	6000	1300		
SEMMES	SJI.GILCO5	SJI VORTAC	SJI VORTAC						
		SJI VORTAC	SNYDE	243.51 (SJI R-244)	50.00	FL320			
		SNYDE	TOPEZ	243.51 (SJI R-244)	124.28	FL320			
		TOPEZ	JEPEG	258.21 (HRV R-258)	53.13	16000	1600		
		JEPEG	GIRLY	265.00 (MHF R-085)	32.49	14000	1300		
		GIRLY	KUGLE	265.00 (MHF R-085)	42.76	6000	1300		
		KUGLE	WOLDE	265.00 (MHF R-085)	23.65	6000	1300		

ARRIVAL ROUTE DESCRIPTION:

FROM OVER WOLDE ON IAH R-110.61 TO GILCO (MEA 2000).

LANDING RUNWAYS 8L/R, 9: FROM GILCO FLY HEADING 265 FOR VECTORS TO FINAL APPROACH COURSE. FOR ALL OTHER RUNWAYS: EXPECT VECTORS TO FINAL APPROACH COURSE AT OR PRIOR TO GILCO.

PROCEDURAL DATA NOTES:

NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY

NOTE: DME/DME/IRU OR GPS EQUIPPED AIRCRAFT MUST FILE THE NNCEE/LINKK (RNAV) STARS.

NOTE: KLAMS TRANSITION DME REQUIRED.

NOTE: SBI TRANSITION ATC ASSIGNED ONLY. DO NOT FILE.

WOLDE VERTICAL NAVIGATION PLANNING INFORMATION: TURBOJETS: LANDING EAST AT KIAH CROSS WOLDE AT 280 KIAS, EXPECT CLEARANCE TO CROSS AT 17000. LANDING WEST AT KIAH CROSS WOLDE AT 250 KIAS, EXPECT CLEARANCE TO CROSS WOLDE AT 12000.

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FIXES AND/OR HOLDING PATTERNS:

JEPEG: HOLD, E, LT, 265.00 INBOUND.
KUGLE: HOLD, E, LT, 265.00 INBOUND.
LAURL: HOLD, SE, LT, 316.17 INBOUND.
POLND: HOLD, E, LT, 276.34 INBOUND.
SNYDE: HOLD, NE, LT, 243.51 INBOUND.
WOLDE: HOLD, E, LT, 265.00 INBOUND, 6 NM LEGS.
CHART: DRAPH

COMMUNICATIONS:

HOU APP CON
ATIS: KIAH

AIRPORTS SERVED:

GEORGE BUSH INTERCONTINENTAL/HOUSTON, HOUSTON, TX (KIAH)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

ABBREVIATED AMDT TO REMOVE HUB VOR/DME AND USE DAS VORTAC FOR GILCO
FIX MAKE-UP.

ADDITIONAL FLIGHT DATA:

DO NOT CHART MOCAS, ATC REQUEST.
CHART WOLDE TO DRAPH: MEA (3000)

FLIGHT INSPECTED BY:

Name	Organization	Date	Signature
BRIAN HARRELSON	FICO	4/3/19	*Digitally signed by* ***JACOB POWERS*** Apr 09, 2019

DEVELOPED BY:

Name	Organization	Date	Signature
BRIAN PAIR, SUPPORT MANAGER, OPERATIONS SUPPORT	ATO-CSB-ZHU-SM/OS	10/27/18	Brian C. Pair Digitally signed by Brian C. Pair Date: 2018.10.27 12:43:49 -05'00'

APPROVED BY:

Name	Organization	Date	Signature
MARLON J. ROBINSON, MANAGER	AJV-5440		*Digitally signed by* ***JACOB POWERS*** Apr 09, 2019

QUALITY 14 CHECKED

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CHANGES:

1. DELETED HUB VOR/DME FROM GILCO FIX MAKE-UP. ADDED DAS VORTAC TO GILCO FIX MAKE-UP (ESV REQUIRED).
2. REVISED COMMON ROUTE TO BEGIN AT WOLDE.
3. REVISED ARRIVAL ROUTE DESCRIPTION TO BEGIN AT WOLDE.
4. REMOVED FOR CONVENTIONAL NAVIGATION AIRCRAFT ONLY NOTE.
5. ADDED MOCA DATA ON 17.1 WITH REMARK DO NOT CHART MOCAS.

REASONS:

1. HUB VOR/DME TO BE DECOMMISSIONED APRIL 2019.
2. ATC REQUEST.
3. COMMON ROUTE NOW BEGINS AT WOLDE.
4. NOT NEEDED.
5. TARGETS FILE AUTOGENERATES / PREVENT CLUTTER.