

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
KICET (IAF)	IDIYE (FB)	048.11 / 10.00	2000	LP: RW32 LNAV: RW32	
YUCUT (IAF)	IDIYE (FB)	228.25 / 10.00	2000	CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT DELVE AND HOLD.	
IDIYE (IF)	HUDIP (FB)	318.18 / 7.00	1800		
HUDIP (FAF)	JEREM/2.70 NM TO RW32 (FB)	318.15 / 2.79		ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.96 INBOUND. CHART FAS OBST: 174 BLDG 291530N/0945032W CHART FAS OBST: 81 BLDG 291510N/0945104W CHART VDP AT 0.91 MILES TO RW32 WAAS CHANNEL # 40101 REFERENCE PATH ID: W32A HUDIP TO RW32: 3.00/46. LTP HAE: -25.1 M	
JEREM/2.70 NM TO RW32	RW32 (MAP) (FO)	318.14 / 2.70			
RW32 (MAP)	800 MSL	318.14	800		
800 MSL	DELVE (FO)		3000		

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT IDIYE
3. FAC: 318.15 FAF: HUDIP DIST FAF TO MAP: 5.49 THLD: 5.49
4. MIN. ALT: IDIYE 2000, HUDIP 1800, JEREM/2.70 NM TO RW32 900
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW32 3100

MAG VAR: 2E EPOCH YEAR: 2015

MINIMUMS															
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A			STANDARD @					
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
LP MDA	340	1	335	340	1	335	340	1	335	340	1	335	340	1	335
LNAV MDA	440	1	435	440	1	435	440	1 1/4	435	440	1 1/4	435	440	1 1/4	435
CIRCLING	500	1	494	500	1	494	500	1 1/2	494	560	2	554	620	2 1/4	614

NOTES:
 CHART NOTE: CIRCLING NA E OF RWY 18 AND NE OF RWY 32. @ CAT E 800-2 1/4
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: RADAR REQUIRED.
 (SEE FORM 8260-10)

CITY AND STATE GALVESTON, TX	ELEVATION: 6 THRE: 5	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: SCHOLES INTL AT GALVESTON			AMDT: ORIG-A
	DATED 05/07/2009			



ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE ROUTINE
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> ZHU, GLS ATCT, AMGR, ST. AV. DIR, HOU APPCON		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: JILL OLSON (BRIAN BERUBEE)	FIFO AJV-353	DATE: 08/20/2012
APPROVED BY		
NAME: LARRY H STROUT	FIFO AJV-353	DATE:
CHANGES:		
<ol style="list-style-type: none"> 1. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 31 TO RNAV (GPS) RWY 32 2. CHANGED MAGVAR FROM 6E TO 2E 3. CHANGED FINAL COURSE FROM 314.16 TO 318.15 4. DIST FAF TO MAP FROM 6.01 TO 5.49 5. LOWERED FAF ALTITUDE FROM 2000 TO 1800 6. ADDED CAT E MINIMA 7. CHANGED TDZE TO THREE 8. DELETED LPV AND VNAV MINIMA 9. ADDED LP MINIMA 10. CHANGED MISSED APPROACH FROM "CLIMB TO 2000 DIRECT WOMUM AND VIS TRACK..." TO CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 DIRECT..." 11. CHANGED VDP FROM 1.21 MILES TO .91 MILES 12. DELETED BOLOS AND DELVE FEEDER ROUTES 13. CHANGED KICET INTIAL COURSE/DIST FROM 044.15/5.00 TO 048.11/10 14. CHANGED YUCUT INITIAL COURSE/DIST FROM 224.23/5.00 TO 228.25/10 SEE 8260-10		
REASONS:		
<ol style="list-style-type: none"> 1. RUNWAY RENUMBERING 2/5/6/9/10/12. FPT REQUEST 3/12/13/14. MAGVAR/RECALCULATION 4. PFAF LOCATION 7. USING THREE IN LIEU OF TDZE 8. RUNWAY SURVEY DOES NOT SUPPORT VG APPROACHES 11. LOWERED MDA 15/18. NOT APPLICABLE 16. 34:1 VISUAL SURFACE PENETRATED 17. MAINTAIN LOWEST MDA 19. APT ALTIMETER SOURCE NOT REDUNDANT 		

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: VDP NA WITH WILLIAM P HOBBY ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAM P HOBBY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET. INCREASE LP CAT C/D/E VISIBILITY TO 1 1/8, INCREASE LNAV CAT C/D/E VISIBILITY TO 1 3/8 AND INCREASE CAT E CIRCLING VISIBILITY TO 2 1/2.



CITY AND STATE GALVESTON, TX	ELEVATION: 6 THRE: 5	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: SCHOLES INTL AT GALVESTON			AMDT: ORIG-A
				DATED: 05/07/2009

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGLS
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	291532.6035N
LTP/FTP LONGITUDE	0945120.0930W
LTP/FTP ELLIPSOIDAL HEIGHT	-00251
FPAP LATITUDE	291641.1400N
FPAP LONGITUDE	0945225.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00045.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 A169917C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00014
FPAP ORTHOMETRIC HEIGHT	+00014



CITY AND STATE GALVESTON, TX	ELEVATION: 6 THRE: 5	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1	SUP. RNAV (GPS) RWY 31
	AIRPORT NAME: SCHOLES INTL AT GALVESTON			AMDT: ORIG-A
				DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE				
COORDINATED WITH:						
<input type="checkbox"/> ATA	<input type="checkbox"/> AAT	<input type="checkbox"/> ALPA	<input type="checkbox"/> APA	<input type="checkbox"/> AOPA	<input type="checkbox"/> NBAA	<input type="checkbox"/> OTHER (specify) _____
FLIGHT CHECKED BY						
NAME:					FIFO	DATE:
DEVELOPED BY						
NAME:					FIFO	DATE:
APPROVED BY						
NAME:					FIFO	DATE:
CHANGES:						
REASONS:						

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
<input type="checkbox"/> ATA	<input type="checkbox"/> AAT	<input type="checkbox"/> ALPA	<input type="checkbox"/> APA	<input type="checkbox"/> AOPA	<input type="checkbox"/> NBAA	<input type="checkbox"/> OTHER (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	NFPG	DATE:

APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
 FLIGHT STANDARDS SERVICES - FAR PART 97.33

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 SUSAP KGLSK4SRW32 K4PG

0 18018003125

M



CITY AND STATE GALVESTON, TX	ELEVATION: 6 THRE: 5	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: SCHOLES INTL AT GALVESTON			AMDT: ORIG-A
				DATED: 05/07/2009

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
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COORDINATED WITH:						
ATA <input type="checkbox"/>	AAT <input type="checkbox"/>	ALPA <input type="checkbox"/>	APA <input type="checkbox"/>	AOPA <input type="checkbox"/>	NBAA <input type="checkbox"/>	OTHER (specify) <input type="checkbox"/> _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:

DEVELOPED BY		
NAME:	NFPG	DATE:

APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	KICET	KICET	010	IAF	IF		FB					
	KICET	IDIYE	020		TF		FB	1.0	048.1(050.1T)	010.0	AA 02000	
	YUCUT	YUCUT	010	IAF	IF		FB					
	YUCUT	IDIYE	020		TF		FB	1.0	228.3(230.3T)	010.0	AA 02000	
		IDIYE	010	FACF	IF		FB				AA 02000	
		HUDIP	020	FAF	TF		FB	0.5	318.2(320.2T)	007.0	AA 01800	
		JEREM	021	SDF	TF		FB	0.3	318.2(320.2T)	002.8	AA 00900	GS 00910
		RW32	030	MAP	TF		FO	0.3	318.1(320.1T)	002.7	AT 00050	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		318.1(320.1T)		AA 00800	
	DELVE	050		DF	L	FO				AA 03000	
	DELVE	060		HM	R	FO		271.0(273.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DELVE	N290803.17	W0951530.36	N2908.053	W09515.506
	HUDIP	N291118.90	W0944718.58	N2911.315	W09447.310
	IDIYE	N290555.83	W0944211.49	N2905.931	W09442.192
	JEREM	N291327.95	W0944921.38	N2913.466	W09449.356
	KICET	N285930.33	W0945056.99	N2859.506	W09450.950
	YUCUT	N291220.75	W0943324.90	N2912.346	W09433.415
	RW32	N291532.60	W0945120.09	N2915.543	W09451.335

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW32	00005	46



CITY AND STATE GALVESTON, TX	ELEVATION: 6	THRE: 5	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 31
	AIRPORT NAME: SCHOLES INTL AT GALVESTON		RNAV	RNAV (GPS) RWY 32, AMDT 1	AMDT: ORIG-A
					DATED: 05/07/2009

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COORDINATED WITH: <input type="checkbox"/> ATA <input type="checkbox"/> AAT <input type="checkbox"/> ALPA <input type="checkbox"/> APA <input type="checkbox"/> AOPA <input type="checkbox"/> NBAA <input type="checkbox"/> OTHER (specify) _____		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:
CHANGES:		
REASONS:		

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.			
INITIAL	KICET	IDIYE	1. BOAT	290429.00N/0944713.00W	50 (2C)	1000	AT950	2000			
			2. WATER	290000.00N/0945124.00W	0 (0)	AS1500	1500				
INITIAL	YUCUT	IDIYE	3. BOAT	290941.00N/0943702.00W	50 (2C)	1000	AT950	2000			
			4. WATER	291351.00N/0943454.00W	0 (0)	AS1500	1500				
INTERMEDIATE	IDIYE	HUDIP	5. TOWER (48-014651)	290830.55N/0944752.02W	281 (4D)	500	AT1019	1800			
			6. WATER	291203.00N/0944618.00W	0 (0)	AS1500	1500				
FINAL: LP	HUDIP	JEREM/2.70 NM TO RW32	7. AAO	291318.00N/0944833.00W	200 (2C)	250	RA79 DG371	900			
FINAL: LP STEPDOWN	JEREM/2.70 NM TO RW32	RW32	8. BLDG (KGLS0012)	291510.36N/0945104.42W	81 (1A)	250		340			
FINAL: LNAV	HUDIP	JEREM/2.70 NM TO RW32	9. AAO	291324.00N/0944827.00W	200 (2C)	250	RA79 DG371	900			
FINAL: LNAV STEPDOWN	JEREM/2.70 NM TO RW32	RW32	10. BLDG (48-004837)	291530.00N/0945032.00W	174 (1A)	250		440			
2. PROCEDURE TURN		NA									
3. MISSED APPROACH	MAP:	RW32 / RW32	DELVE			ASC		3000			
				11. TOWER (48-014090)	291239.60N/0945618.78W	328 (2C)	1000	1400			
	ELEV:	240/340		12. TERRAIN	290821.00N/0951345.00W	30 (0)	AS1500	1500			
4. CIRCLING AREA		DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	ACTUAL	350	494	13. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY B	1.5 NM			450	494	13. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY C	1.7 NM			450	494	13. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY D	2.3 NM			550	554	14. BRIDGE (48-005786)	291750.00N/0945309.00W	169 (5D)	300	HAA	560
CATEGORY E	4.5 NM			550	614	15. TOWER (48-001949)	291405.00N/0945416.00W	255 (5D)	300	AC50	620
5. MINIMUM SAFE ALTITUDES		PRIMARY NAVAID: RW32									
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A		
360-360	TWR (48-005320)	273/ 19.8	2017 (3C)	3100							
CITY AND STATE		ELEVATION: 6		FACILITY		PROCEDURE AND AMENDMENT NO:			REGION		
GALVESTON, TX		AIRPORT NAME: SCHOLES INTL AT GALVESTON		RNAV		RNAV (GPS) RWY 32, AMDT 1			ASW		

QUALITY
CHECKED
2

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PARA 251, 34:1 PENETRATION. PRECIPITOUS TERRAIN EVALUATION COMPLETED. RASS PRESSURE PATTERNS SAME KGLS 6, KHOU 46 RA = 78.36. SEE ATTACHED AIRSPACE LETTER. 40' VEGETATION APPLIED PER FPT 30' BOAT HEIGHT USED IN BAY, 50' BOAT HEIGHT USED IN GULF PER PREVIOUS AMENDMENT KGLS ASOS ON SVC A KHOU ASOS ON SVC A RASS ADJUSTMENT ROUNDED UP TO 80 FEET AND PUBLISHED BY NOTE VGSI DATA: 3.00/45.6 MISSED APPROACH SEGMENT DEVELOPED IN IPDS. A 23 DEGREE BA WAS USED IN THE DEVELOPMENT OF THE MISSED APPROACH SEGMENT TERPS VOL 1, VISUAL PORTION OF FINAL PENETRATIONS 34:1 81' BLDG (KGLS0012) 291510.36N/0945104.42W (5.43) 7' TERRAIN 291533.00N/0945115.00W (0.27) FPT NOTIFIED OF PENETRATIONS	
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING					
GLS TOWER HOU APP CON ZHU ARTCC				NWS	OTHER: ASOS	SOURCE: KGLS / KHOU					
				FAA		DISTANCE: 0 / 31.59					
				A/C		HOURS REMOTE OPERATION: 24 / 24					
SATISFACTORY ON:			X	VHF	X	UHF		HF	LOCATION: KGLS		ADJUSTMENT: 0 / 79
4. MONITOR STATUS	PRIMARY NAVAID:										
	MONITOR POINT:										
	HRS OPTN:	CAT 1									
		CAT 3									
5. APPROACH & RUNWAY LIGHTING		ALS									
		(S) SALS									
	X	MALSR 14 (PCL)									
	X	HIRL 14, 32									
	X	MIRL 18 (PCL), 36									
	X	REIL 18, 36, 32									
		TDZ									
	C/LINE										
X	OTHER (SPECIFY) PAPI-4L 18, 36, 14, 32										
6. RUNWAY MARKINGS		BASIC									
		ALL WEATHER		PIR-G 14, 32							
		INSTRUMENT		NPI-G 18, 36							
7. RUNWAY VISUAL RANGE		APPROACH									
		MIDFIELD									
		ROLL OUT									
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:					
		DISTANCE FROM RWY:				ELEV GP ANTENNA:					
		THRESHOLD CROSSING HEIGHT:									
9. FINAL APPROACH COURSE AIMING		X	RUNWAY THRESHOLD				FT. FROM THRESHOLD				
		X	ON CENTERLINE				FT. FROM CENTERLINE				
10. WAIVERS: NONE											
PART D - PREPARED BY: JILL OLSON (BRIAN BERUBEE)						DATE: 08/20/2012					
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-353					

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DELVE

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 290803.17N/0951530.36W

TYPE: WP, INT, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	SCHOLES	VUH	VORTAC	H	242.58	248.58	22.05	22.05	2600	17500
2	HOBBY	HUB	VOR/DME	H	173.25	178.25		31.22	2000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	W		WP	283.37	103.37	R	4	2000 6000	4 6
2	SW	VUH	VORTAC	242.58	062.58	R	1	2600 6000	6 8
3	E		WP	090.96	270.96	R	4	2000 10000	4 12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (48-012449)	290730.00N/0952125.00W	485	4D
1	200	TOWER (48-004472)	290401.56N/0951911.64W	580	2C
2	200	TOWER (48-004472)	290401.56N/0951911.64W	580	2C
3	200	TOWER (48-002869)	291130.00N/0951734.00W	335	5D
3	265	TOWER (48-012449)	290730.00N/0952125.00W	485	4D

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100

REMARKS:

SCHOLES (FAC 1) AND HOBBY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V70	1, 2				(US)
IAP	RNAV (GPS) RWY 35		1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
IAP	ILS OR LOC RWY 14	1, 2	2	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 14		3	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 18		3	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 32		3	KGLS	GALVESTON	TX (US)
IAP	VOR RWY 14	1, 2	2	KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

DELETED FAC 3 (RELOY) AND ASSOCIATED DATA
CHANGED PATTERN 1 MAX TEMPLATE FROM 10 TO 6
CHANGED PATTERN 2 MIN/MAX TEMPLATE FROM 5/11 TO 6/8
CHANGED PATTERN 3 INBOUND COURSE FROM 266.96 TO 270.96
CHANGED PAT 3 HOLDING OBST FROM 2017 TWR TO 485 TWR
CHANGED DME FOR PATTERN 1 & 3 FROM 5 TO 4
UPATED PATTERN 1 & 2 CONTROLLING OBST
ADDED NOTE "PRECIPITOUS TERRAIN EVALUATION COMPLETE"
UPDATED FIX USE

DEVELOPED BY: DATE: 08/01/2012 OFFICE: AJV-353 NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY: DATE: OFFICE: AJV-353 NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: HUDIP

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 291118.90N/0944718.58W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 32

FAC

PAT

AIRPORT IDENT
KGLS

CITY

GALVESTON

STATE
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

REPOSITIONED FIX 3109 FT NORTHWEST
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:

DATE: 08/07/2012

OFFICE: AJV-353

NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZHU

ATC FACILITY: HOU APP CON, GLS ATCT

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: IDIYE

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 290555.83N/0944211.49W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 32

FAC PAT

AIRPORT IDENT
KGLS

CITY
GALVESTON

STATE
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

REPOSITIONED FIX 2917 FT SOUTHEAST
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:

DATE: 08/07/2012

OFFICE: AJV-353

NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: JEREM

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 291327.95N/0944921.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

USE TITLE

FAC

PAT

AIRPORT IDENT

CITY

STATE

IAP

RNAV (GPS) RWY 32

KGLS

GALVESTON

TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/10/2013

DEVELOPED BY:

DATE: 08/07/2012

OFFICE: AJV-353

NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

ARTCC: ZHU

ATC FACILITY: HOU APP CON, GLS ATCT

OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: KICET STATE: TX COUNTRY: US

LATITUDE/LONGITUDE: 285930.33N/0945056.99W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:
FIX NAME RETAINED AT ATC REQUEST DUE TO OPERATIONAL NECESSITY

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 32			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 01/10/2013

REASON FOR REVISION:
REPOSITIONED FIX 5 NM SOUTHWEST
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY: DATE: 08/07/2012 OFFICE: AJV-353 NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY: DATE: OFFICE: AJV-353 NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION: NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:

QUALITY
2
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WOMUM

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 291923.35N/0945500.14W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	KGLS R31					320.12	5.00			17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SCHOLES INTL AT GALVESTON - RNAV (GPS) RWY 31			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 01/10/2013

DEVELOPED BY:

DATE:

OFFICE:

NAME:

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:



RADIO FIX AND HOLDING DATA RECORD

NAME: YUCUT

STATE: TX

COUNTRY: US

LATITUDE/LONGITUDE: 291220.75N/0943324.90W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

RETAINED FIX NAME AT ATC REQUEST DUE TO OPERATIONAL NECESSITY

FIX USE:

USE TYPE
IAP

USE TITLE
RNAV (GPS) RWY 32

FAC

PAT

AIRPORT IDENT
KGLS

CITY

GALVESTON

STATE
TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 01/10/2013

REASON FOR REVISION:

REPOSITIONED FIX 5 NM SOUTHEAST
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY:

DATE: 08/07/2012

OFFICE: AJV-353

NAME: JILL OLSON (BRIAN BERUBEE)

APPROVED BY:

DATE:

OFFICE: AJV-353

NAME: LARRY STROUT

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:



TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **GALVESTON**

STATE: **TX**

AIRPORT NAME: **SCHOLES INTL AT GALVESTON**

ID: **KGLS**

PROCEDURE: **RNAV (GPS) RWY 32**

AMDT: **1**

DOCKET # :

(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.82**
(Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
(Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **320.15**
4. High Terrain in **FINAL** segment containing 1000' point **18**
5. Distance from **THLD** to 1500' point **4.89**
(If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.71**
7. True Course of **FINAL** segment containing 1500' point **320.15**
8. High Terrain in **FINAL** segment containing 1500' point **18**
9. Threshold Coordinates (if straight-in) ... **291532.90N / 0945120.09W**
10. ARP Coordinates **291555.20N / 0945137.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **14**

Distance **.54** NM
12. FAF Coordinates **291118.90N / 0944718.58W**
(Click to Select)

REMARKS: Approach/Drawing attached.

