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Airport Information For KIAH

Terminal Charts For KIAH

Revision Letter For Cycle 05-2025

Change Notices

Notebook

General Information

Location: HOUSTON TX USA
ICAO/IATA: KIAH / IAH
Lat/Long: N29° 59.07', W095° 20.49'
Elevation: 96 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: +6:00 = UTC
Magnetic Variation: 3.0° E
Sectional Chart: Houston

Fuel Types: 100 Octane (LL), Jet A
Oxygen Types: Low Pressure
Repair Types: Major Airframe, Major Engine
Customs: Upon Prior Request
Airport Type: IFR
Landing Fee: No
Control Tower: Yes
Jet Start Unit: Yes
LLWS Alert: Yes
Beacon: Yes

Sunrise: 1128 Z
Sunset: 0108 Z

Runway Information

Runway: 08L
Length x Width: 9000 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 94 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 08R
Length x Width: 9402 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 95 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 09
Length x Width: 10000 ft x 150 ft
Surface Type: asphalt
TDZ-Elev: 90 ft
Lighting: Edge, ALS, Centerline

Runway: 15L
Length x Width: 12001 ft x 150 ft
Surface Type: concrete

TDZ-Elev: 95 ft
Lighting: Edge, Centerline

Runway: 15R
Length x Width: 10000 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 95 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 26L
Length x Width: 9402 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 95 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 26R
Length x Width: 9000 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 95 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 27
Length x Width: 10000 ft x 150 ft
Surface Type: asphalt
TDZ-Elev: 86 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 33L
Length x Width: 10000 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 89 ft
Lighting: Edge, Centerline, TDZ

Runway: 33R
Length x Width: 12001 ft x 150 ft
Surface Type: concrete
TDZ-Elev: 88 ft
Lighting: Edge, ALS, Centerline

Communication Information

ATIS: 124.050
Houston Tower: 125.350
Houston Tower: 127.300
Houston Tower: 120.725
Houston Tower: 135.150
Houston Ground: 121.700
Houston Ground: 118.575
Houston Ground: 119.950
Houston Ramp/Taxi: 131.275
Houston Ramp/Taxi: 131.300

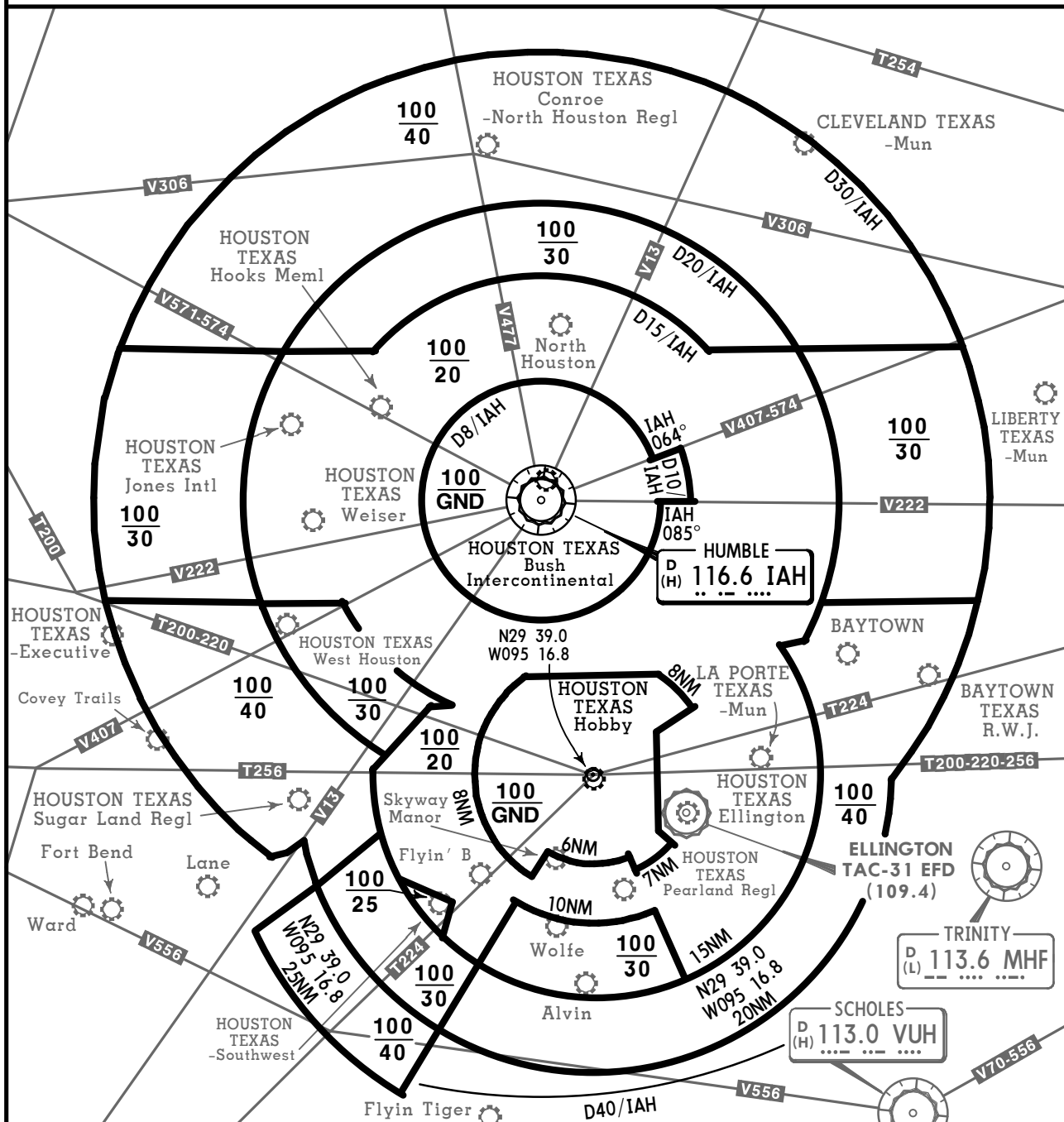
Houston Ramp/Taxi: 130.825
Houston Ramp/Taxi: 121.625
Houston Clearance Delivery: 128.100
Houston Approach: 124.350 Initial Contact
Houston Approach: 120.050 Initial Contact
Houston Terminal Control Area: 127.125
Houston Departure: 123.800
Houston Departure: 126.675
Houston Departure: 127.125
Houston Departure: 132.250
Houston Departure: 119.700
Houston UNICOM: 122.950
Montgomery Co FSS: 122.400 RCO

HOUSTON CLASS B AIRSPACE

CLASS B AIRSPACE VFR COMMUNICATIONS

N **Houston App** 119.7
E **Houston App** 127.12

S **Houston App** 134.45
W **Houston App** 123.8



FOR OPERATING RULES AND PILOT AND EQUIPMENT REQUIREMENTS
SEE FAR 91.131, 91.117 AND 91.215

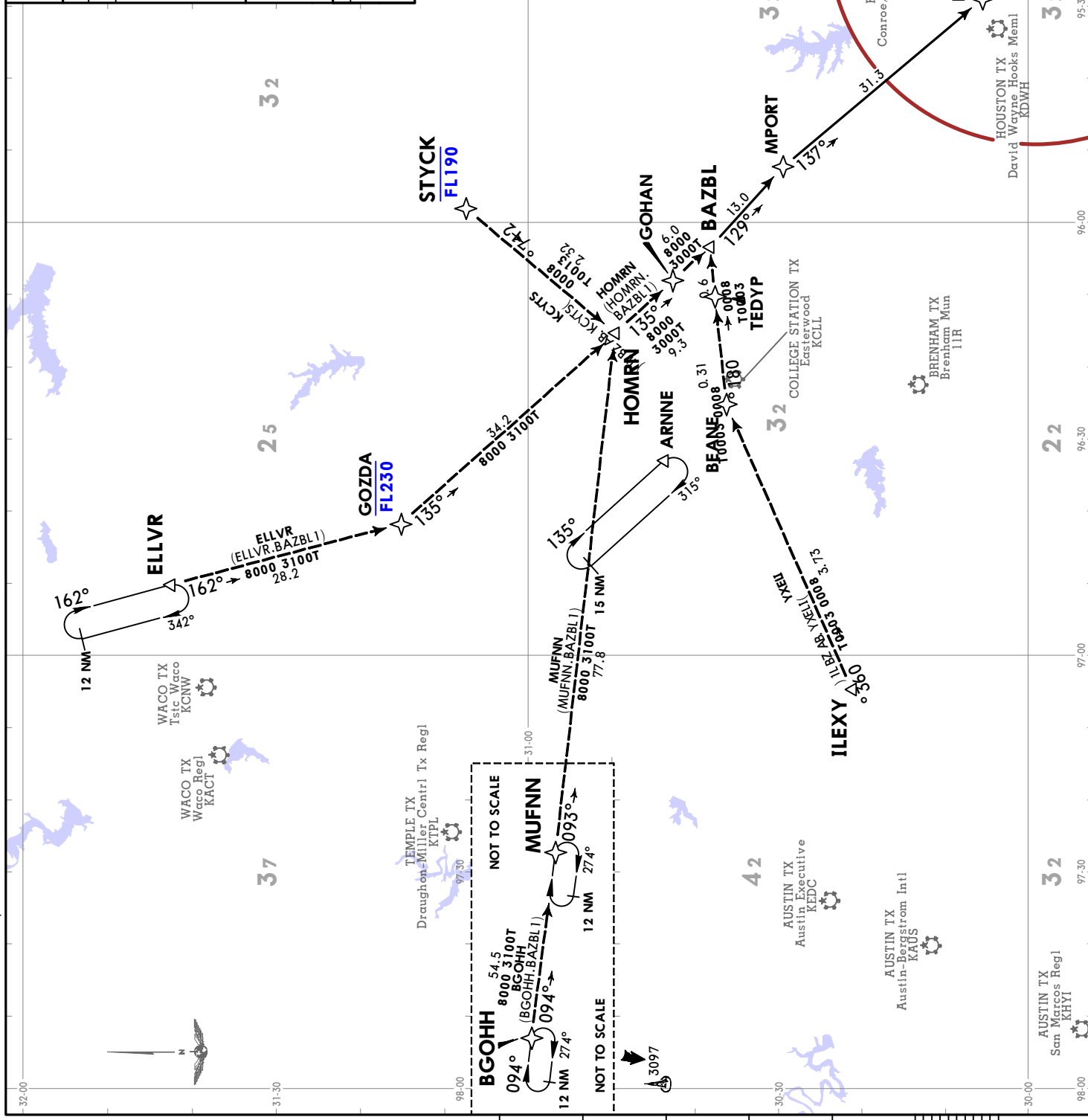
FLIGHT PROCEDURES

IFR Flights. Aircraft within Class B airspace are required to operate in accordance with current IFR procedures.

VFR Flights-

- a. Arriving aircraft should contact Houston Approach Control on the specified frequencies. Although arriving aircraft may be operating beneath the floor of Class B airspace on initial contact, communications should be established with Approach Control for sequencing and spacing purposes.
- b. Aircraft departing the primary airport are requested to advise clearance delivery prior to taxiing of their intended altitude and direction of flight to depart Class B airspace. Aircraft departing from other than Houston Intercontinental Airport whose route of flight would penetrate Class B airspace should give this information to ATC on appropriate frequencies.
- c. Aircraft desiring to transit Class B airspace must obtain an ATC clearance and will be handled on an ATC workload permitting basis.

D-ATIS 124.05	Apt Elev 96
Alt Set: INCHES Trans level: FL180	
RNAV 1 - DME/DME/IRU or GPS	
1. RADAR required. 2. MUFNN Transition: Do not file - to be assigned by ATC. 3. HOMRN Transition: Do not file - to be assigned by ATC. 4. Landing IAH: Tuboprop and piston aircraft only. 5. IAH landing EXPECT RADAR vectors prior to DOMNO.	
BAZBL 1 RNAV ARRIVAL (BAZBL.BAZBL1) (ALL RWYS)	
ROUTING	
From BAZBL on track 129° to MPORT, then on track 137° to DOMNO, then on track 087° to SKLER, then on track 087°. EXPECT RADAR vectors to final approach course.	



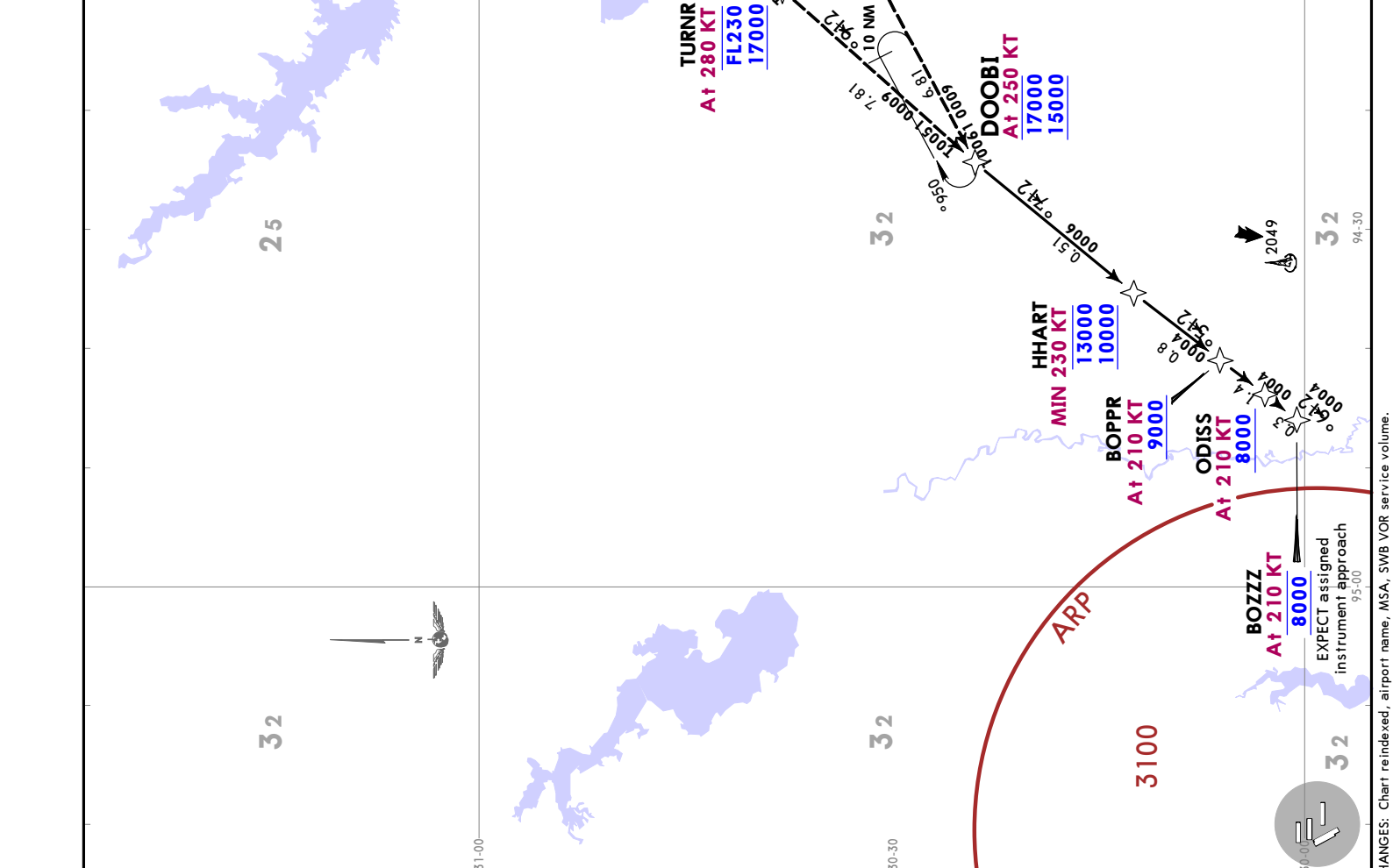
25 OCT 24 (70-2A) Eff 31 Oct
JEPPesen
 D-ATIS **124.05**
 Apt Elev **96**

Alt Set: INCHES Trans level: FL180
 1. RADAR required, 2. RNAV 1.
 3. DME/DME/IRU or GPS required.
 4. Turbojet and turboprop aircraft capable of 280 KT or greater only. 5. EXPECT runway assignment from Houston TRACON upon initial contact.
 6. Corresponding RNAV STAR is SKNRD. EXPECT SKNRD when George Bush Intercontinental/Houston is landing EAST.

DOOBI 2 RNAV ARRIVAL (DOOBI.DOOBI2)

SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT. MAINTAIN 280 KT until slowed by STAR.

KIAH/IAH
 GEORGE BUSH
 INTCNTL/HOUSTON



ROUTING
 From DOOBI on track 217° to HHART, then on track 215° to BOPPR, then on track 215° to ODISS, then on track 216° to BOZZZ. EXPECT assigned instrument approach.

COMMS
 In the event of lost communication prior to runway assignment, execute the ILS Rwy 26L approach.

CHANGES: Chart reindexed, airport name, MSA, SWB VOR service volume.

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JEPPesenHOUSTON, TEXAS
 25 OCT 24 (70-2A1) Eff 31 Oct RNAV STAR

KIAH/IAH
 GEORGE BUSH
 INTCNTL/HOUSTON

DH 2550

D-ATIS
 124.05
 Apt Elev
 96

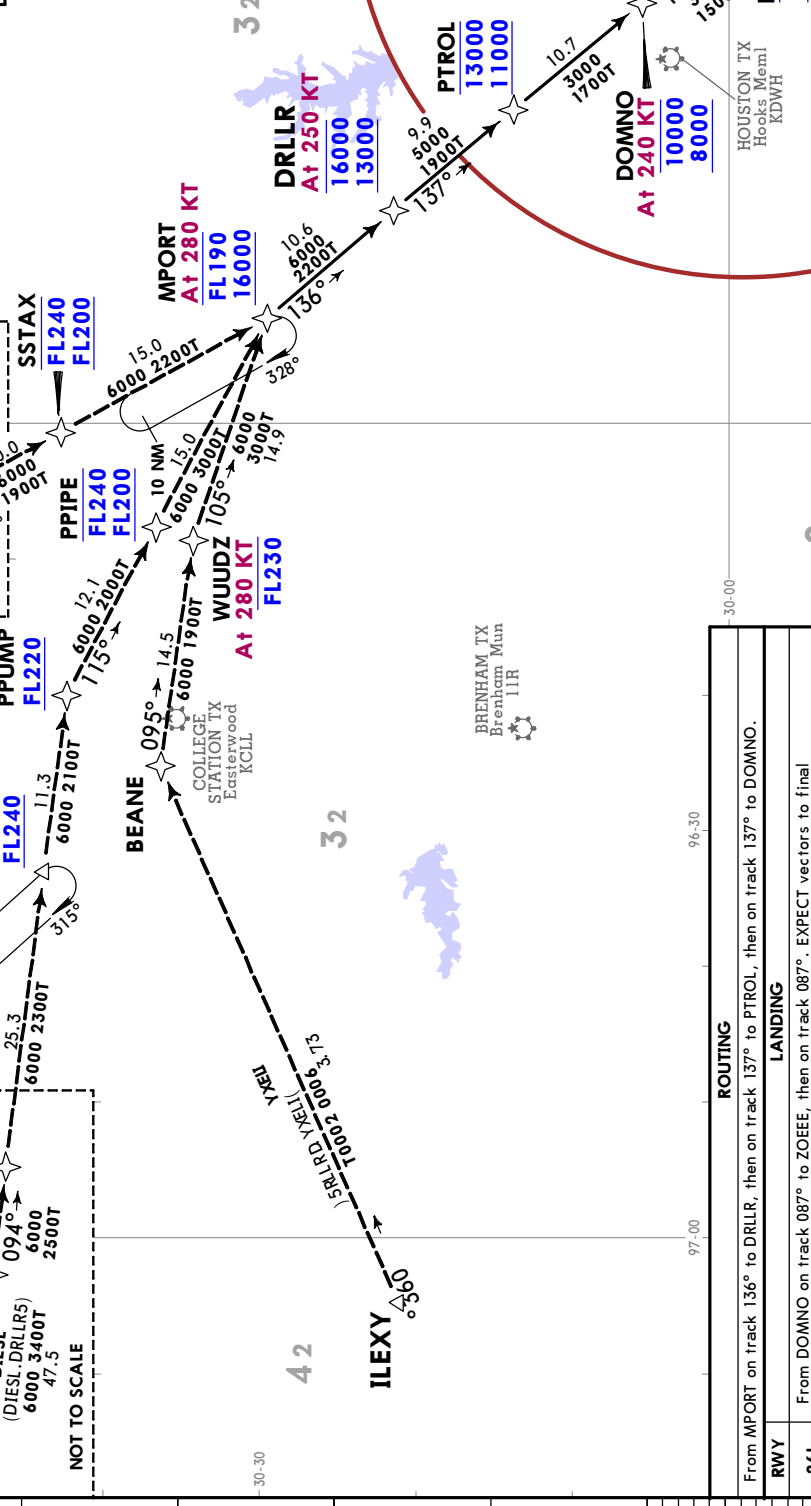
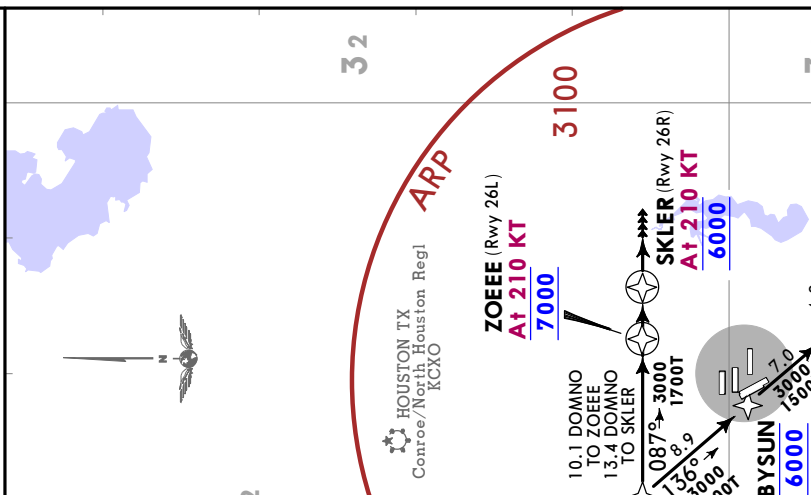
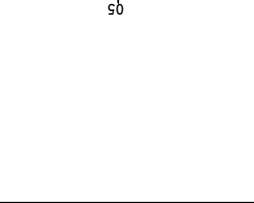
Alt Set: INCHES Trans level: FL180

RNAV 1 DME/DME/IRU or GPS required

1. RADAR required. 2. Fly the runway 26R transition; Houston Approach Control may assign a different transition on initial contact. 3. Corresponding RNAV STAR is GUSHR. EXPECT GUSHR when George Bush Intcntl/Houston is landing EAST. 4. ILEXY transition for Austin terminal area departures only. 5. Turbojet and turboprop aircraft capable of 280 KT or greater only.

DRLLR 5 RNAV ARRIVAL
 (MPORT.DRLLR5)
 (RWYS 26L/R, 27)

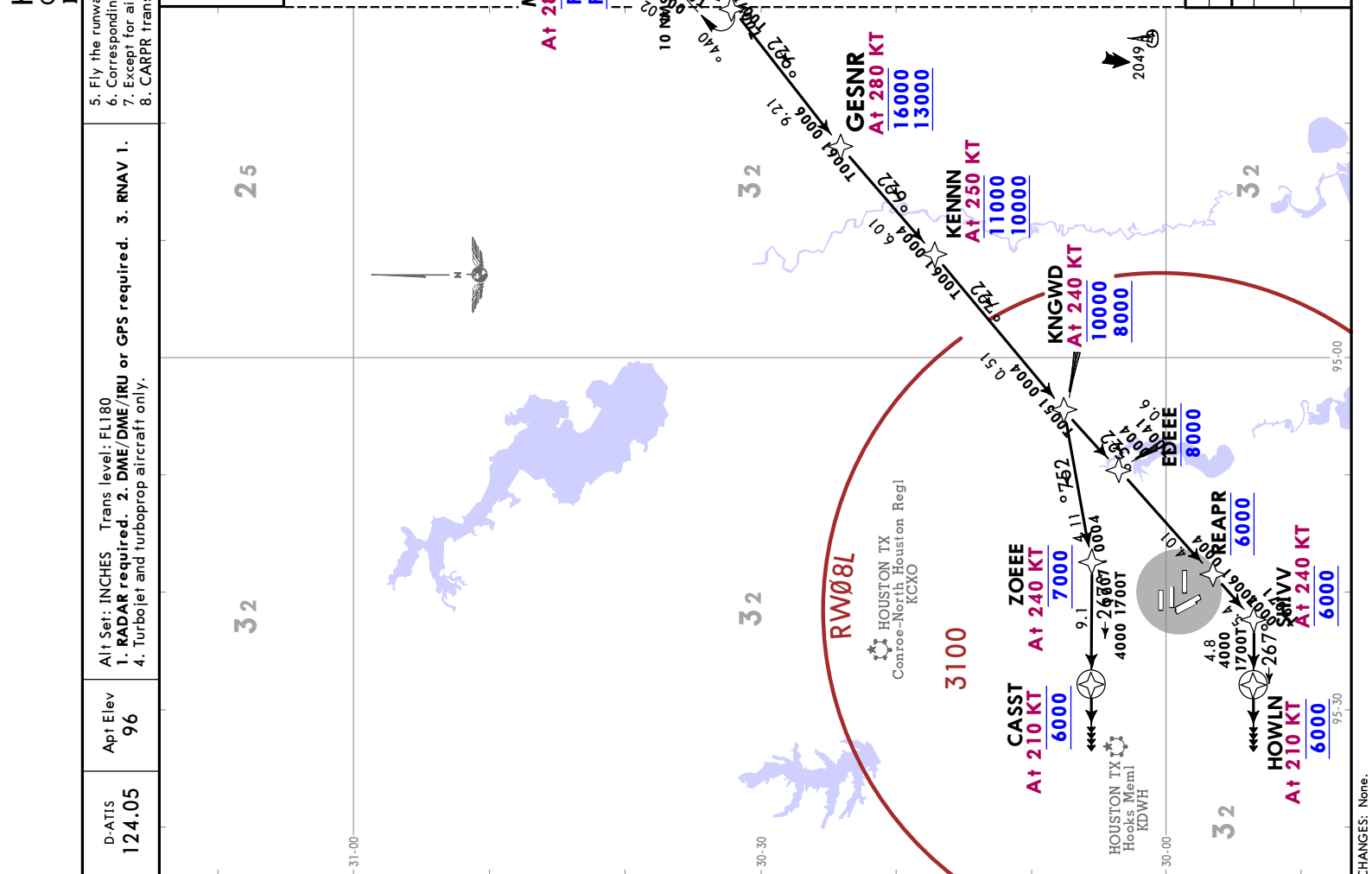
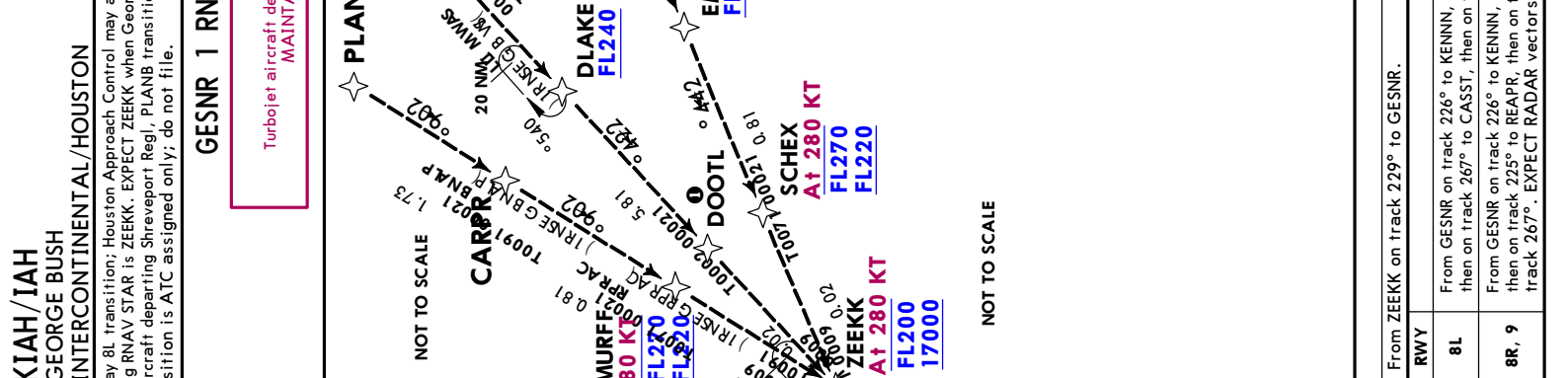
SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT. MAINTAIN 280 KT until slowed by STAR.



ROUTING	
From MPORT on track 136° to DRLLR, then on track 137° to PTROL, then on track 137° to DOMNO.	
LANDING	
26L	From DOMNO on track 087° to ZOEERE, then on track 087°. EXPECT vectors to final approach course.
26R	From DOMNO on track 087° to SKLER, then on track 087°. EXPECT vectors to final approach course.
27	From DOMNO on track 136° to BYSUN, then on track 136° to SMOCR, then on track 087° to PRAYY, then on track 087°. EXPECT vectors to final approach course.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5. Fly the runway 8L transition; Houston Approach Control may assign a different transition on initial contact.
 6. Corresponding RNAV STAR is ZEEKK. EXPECT ZEEKK when George Bush Intercontinental/Houston is landing WEST.
 7. Except for aircraft departing Shreveport Regl, PLANB transition is ATC assigned only; do not file.
 8. CARPR transition is ATC assigned only; do not file.



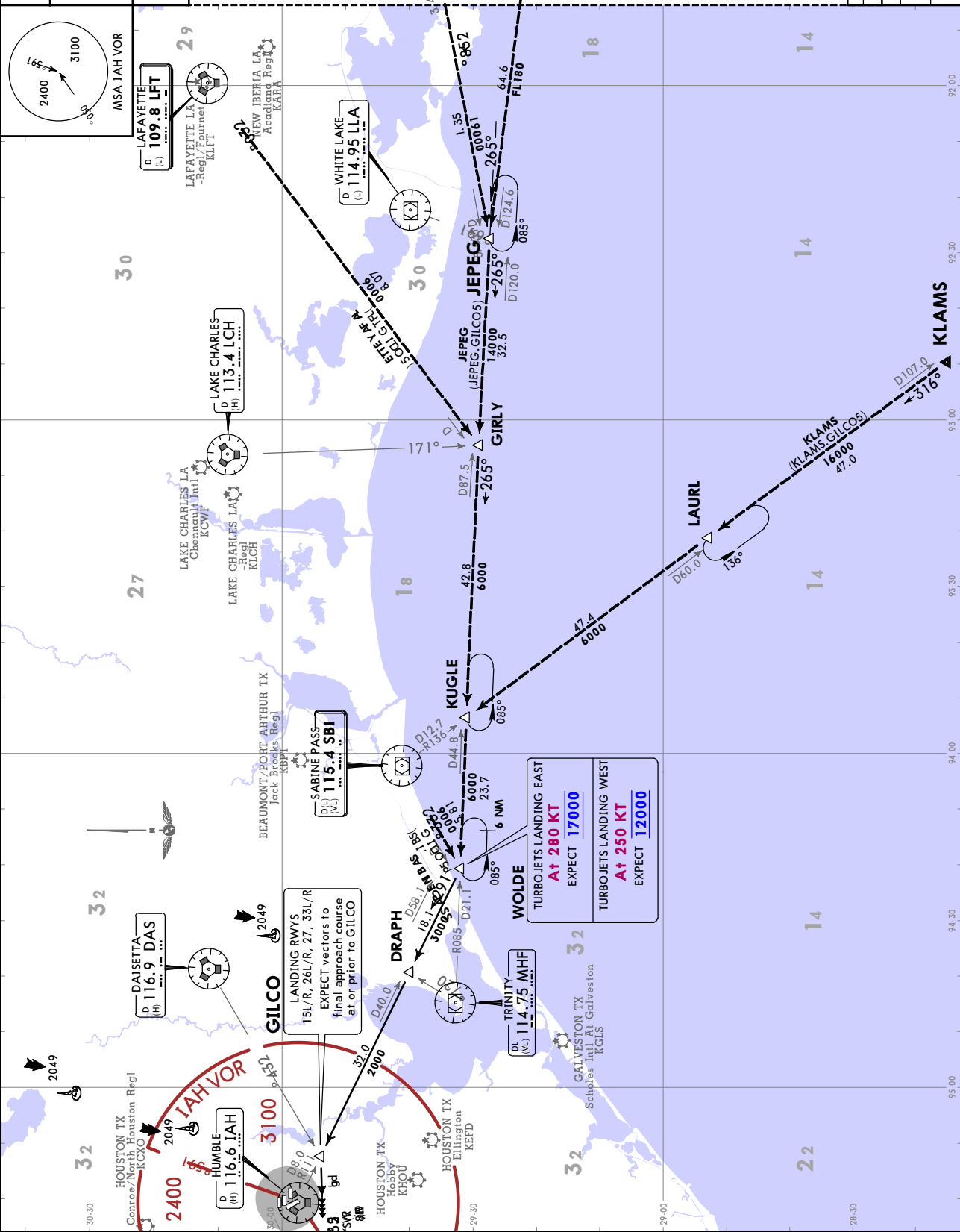
D-ATIS		Apt Elev	
124.05		96	

RWY		ROUTING	
8L		From ZEEKK on track 229° to GESNR.	
8R, 9		From GESNR on track 226° to KENNN, then on track 227° to KNGWD, then on track 257° to ZOEFE, then on track 267° to CASST, then on track 267°. EXPECT RADAR vectors to final approach course. From GESNR on track 226° to KENNN, then on track 227° to KNGWD, then on track 225° to EDEEE, then on track 225° to REAPR, then on track 225° to SHIVV, then on track 267° to HOWLN, then on track 267°. EXPECT RADAR vectors to final approach course.	

HOUSTON TEXAS STAR
 10 MAY 24 (70-2D) EFF 16 MAY

KIAH/IAH
 GEORGE BUSH
 INTCNTL/HOUSTON

DA-TIS	124.05	Apt Elev	96	Alt Set: INCHES	Trans level: FL180
1. DME required: KLAMS Transition. 2. DME/DME/IRU or GPS equipped aircraft must file the NNCEE/LINKK (RNAV) STARS. 3. Turbojet and turboprop aircraft only. 4. SABINE PASS Transition: ATC assigned only. Do not file.					



GILCO 5 ARRIVAL
 (WOLDE.GILCO5) (ALL RWYS)

From over WOLDE on IAH R111° to GILCO.	
RWY	LANDING
8L/R, 9	From GILCO fly heading 265° for vectors to final approach course.
ALL OTHER	EXPECT vectors to final approach course at or prior to GILCO.

CHANGES: TBD VOR frequency, HRV VOR, MHF VOR, and SBI VOR service volumes.
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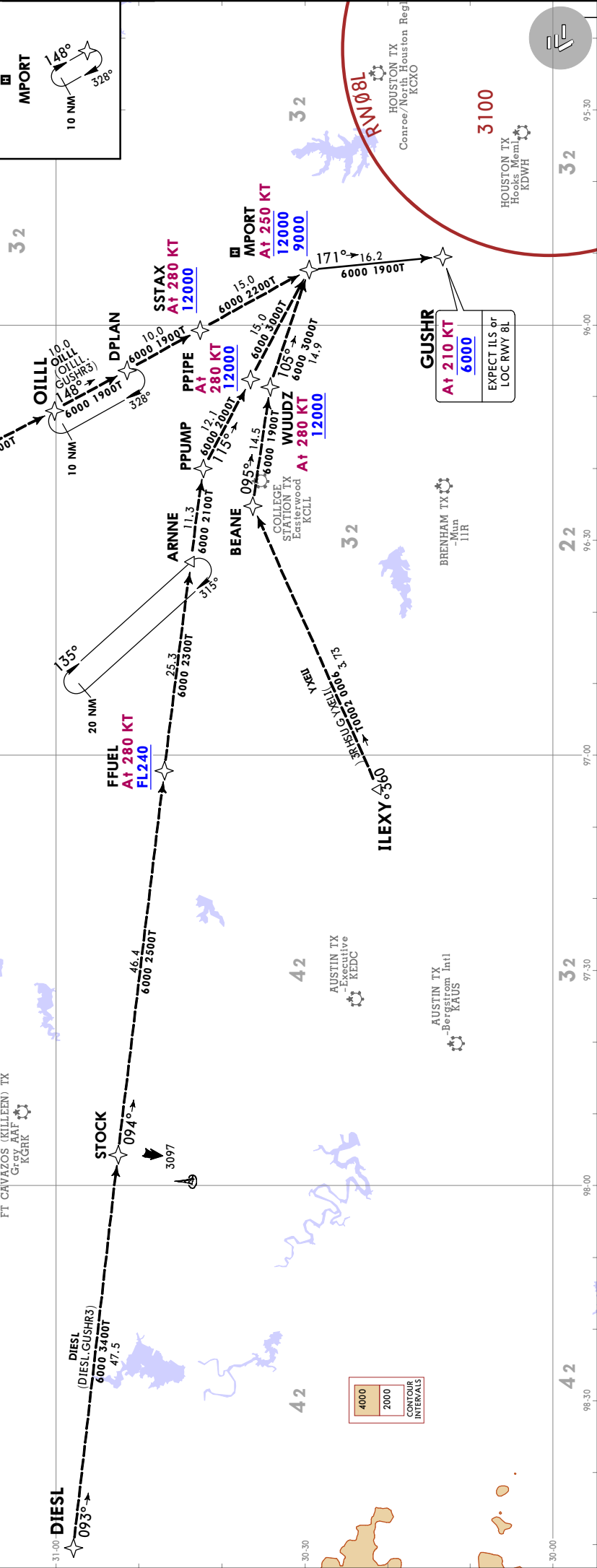
JEPPESSEN HOUSTON, TEXAS
 10 MAY 24 (70-2E) **EFF 16 MAY** **RNAV STAR**

D-ATIS	Apt Elev
124.05	96
Alt Set: INCHES Trans level: FL180	
RNAV 1 DME/DME/IRL or GPS required	
1. RADAR required. 2. For use by turbojet and turboprop aircraft only. 3. EXPECT runway assignment from Houston TRACON upon initial contact. 4. ILEXY Transition for Austin Terminal Area departures only. 5. Corresponding RNAV STAR is DRLLR. EXPECT DRLLR when George Bush Intcntl/Houston is landing WEST.	

GUSHR 3 RNAV ARRIVAL
 (MPORT.GUSHR3)

SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT.
MAINTAIN 280 KT until slowed by STAR.

ROUTING
 From MPORT on track 171° to GUSHR. EXPECT ILS or LOC Rwy 8L.

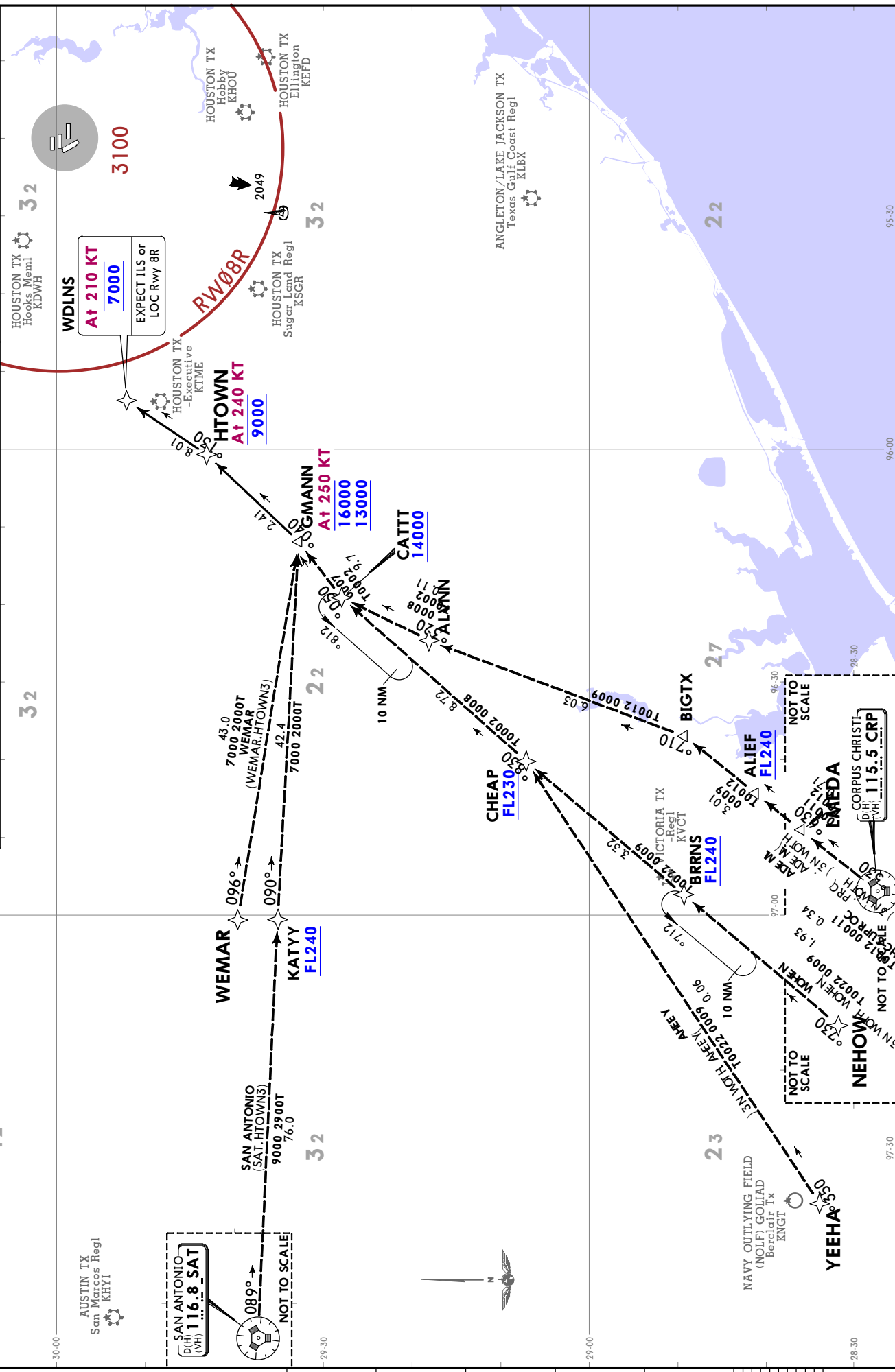


KIAH/IAH
GEORGE BUSH INTCNL/HOUSTON
 29 SEP 23 (70-2E) Eff 5 Oct RNAV STAR

D-ATIS 124.05	Apt Elev 96	Alt Set: INCHES	Trans level: FL180
AUSTIN TX -Bergstrom Intl KAUS		RNAV 1 - DME/DME/IRU or GPS	

HTOWN 3 RNAV ARRIVAL
(GMANN.HTOWN3) (RWY 8R)

SPEED RESTRICTION
 Jet aircraft descend via mach number until 280 KT, if unable, advise ATIS.



KIAH/IAH
GEORGE BUSH
INTCNTL/HOUSTON

JEPESEN HOUSTON, TEXAS
RNAV STAR

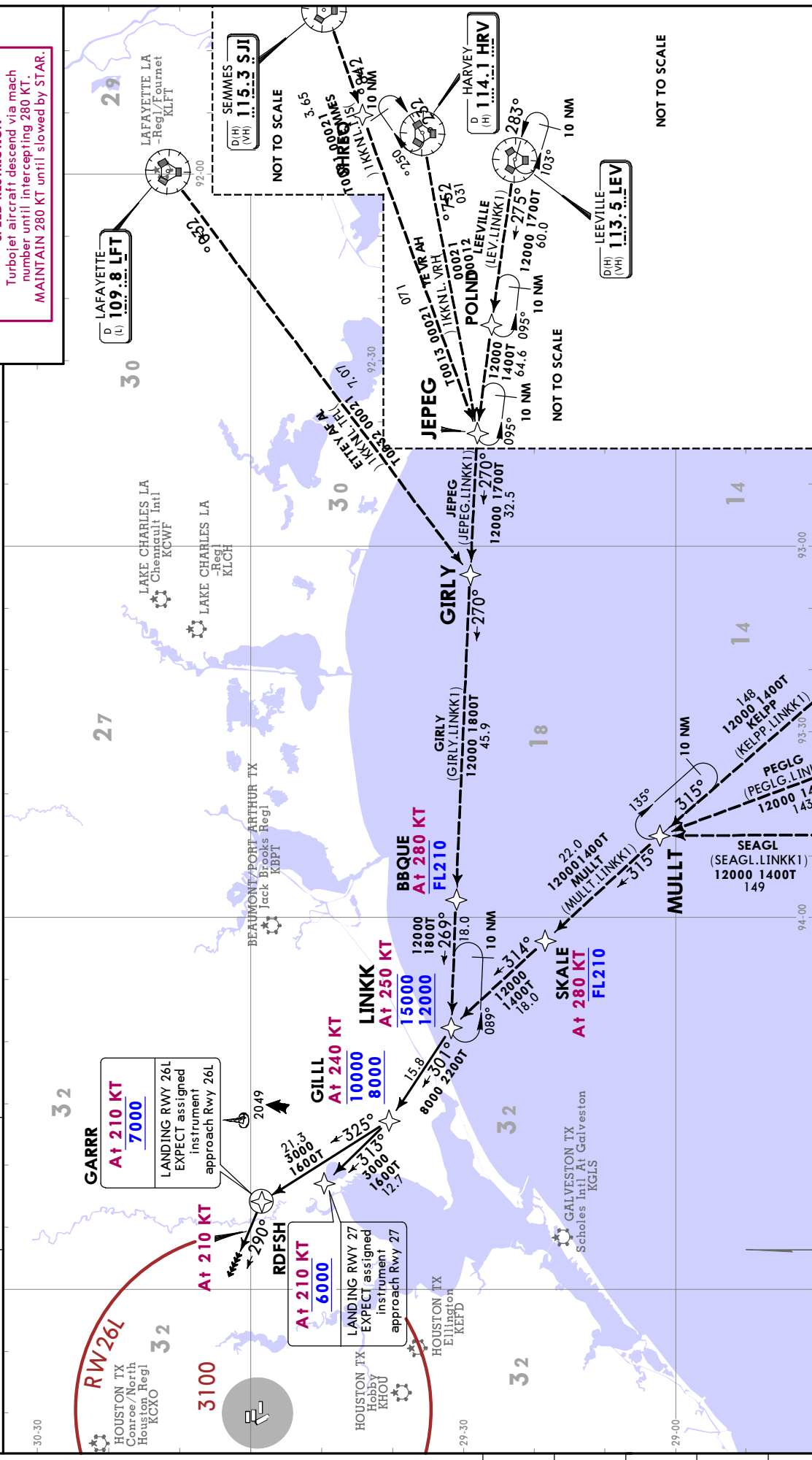
12 MAY 23 (70-2H)

D-ATIS
124.05

Apt Elev
96

RNAV 1 DME/DME/IRU or GPS required Alt Set: INCHES Trans level: FL180

1. RADAR required. 2. Turbojet and turboprop aircraft only. 3. Fly the Rwy 27 transition; Houston Approach Control may assign a different transition on initial contact. 4. Corresponding RNAV STAR is NNCEE. EXPECT NNCEE when George Bush Intcntl/Houston is landing EAST. 5. GPS required for KELPP, PEGLG, and SEAGL Transitions.



ROUTING	
From LINKK on track 301° to GILL.	
LANDING	
RWY	ROUTING
26L	From GILL on track 325° to GARRR. EXPECT assigned instrument approach Rwy 26L.
26R	From GILL on track 325° to GARRR, then on track 290° at 210 KT. EXPECT vectors to final approach course.
27	From GILL on track 313° to RDFSH. EXPECT assigned instrument approach Rwy 27.

12 MAY 23 (70-2J) Apt Elev 96 Alt Set: INCHES Trans level: FL180

RNAV 1 DME/DME/IRU or GPS required

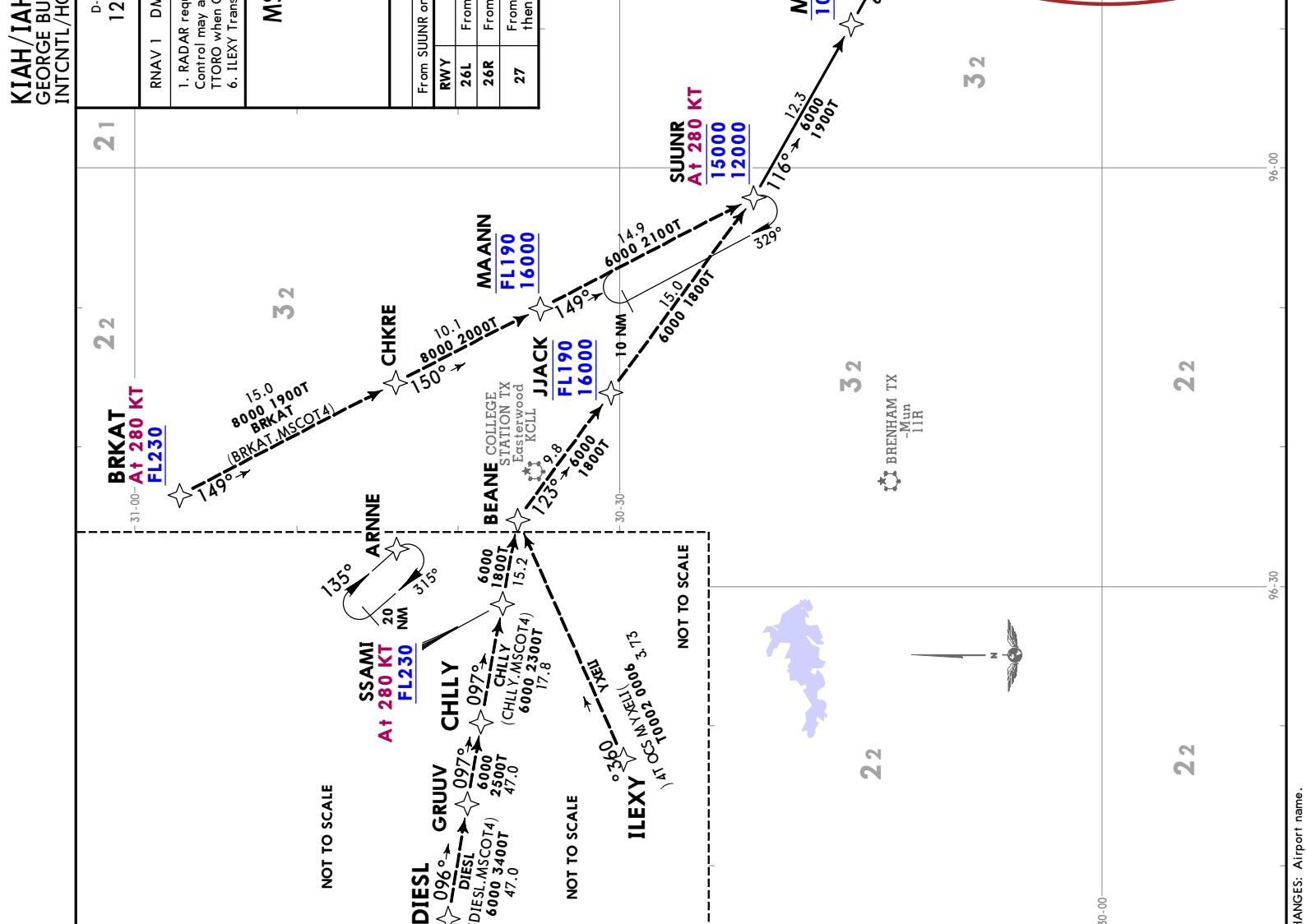
1. RADAR required. 2. Turbojet and turboprop aircraft only. 3. Fly the Rwy 26R transition; Houston Approach Control may assign a different transition on initial contact. 4. Corresponding RNAV STAR is TTORO. EXPECT TTORO when George Bush Intcnl/Houston is landing EAST. 5. BRKAT Transition ATC assigned only. 6. ILEXY Transition for Austin Terminal Area departures only.

MSCOT 4 RNAV ARRIVAL (SUUNR.MSCOT4) (RWYS 26L/R, 27)

SPEED RESTRICTION
Turbojet aircraft descend via mach number until intercepting 280 KT.
MAINTAIN 280 KT until slowed by STAR.

ROUTING
From SUUNR on track 116° to MSCOT, then on track 116° to HWKII, then on track 116° to DOMNO.

LANDING
From DOMNO on track 087° to ZOEEE, then on track 087°. EXPECT vectors to final approach course.
From DOMNO on track 087° to SKLER, then on track 087°. EXPECT vectors to final approach course.
From DOMNO on track 136° to BYSUIN, then on track 136° to SMOCR, then on track 087° to PRAYY, then on track 087°. EXPECT vectors to final approach course.



NOT TO SCALE (multiple locations)

KIAH/IAH GEORGE BUSH INTCNL/HOUSTON **HOUSTON, TEXAS** **STAR**

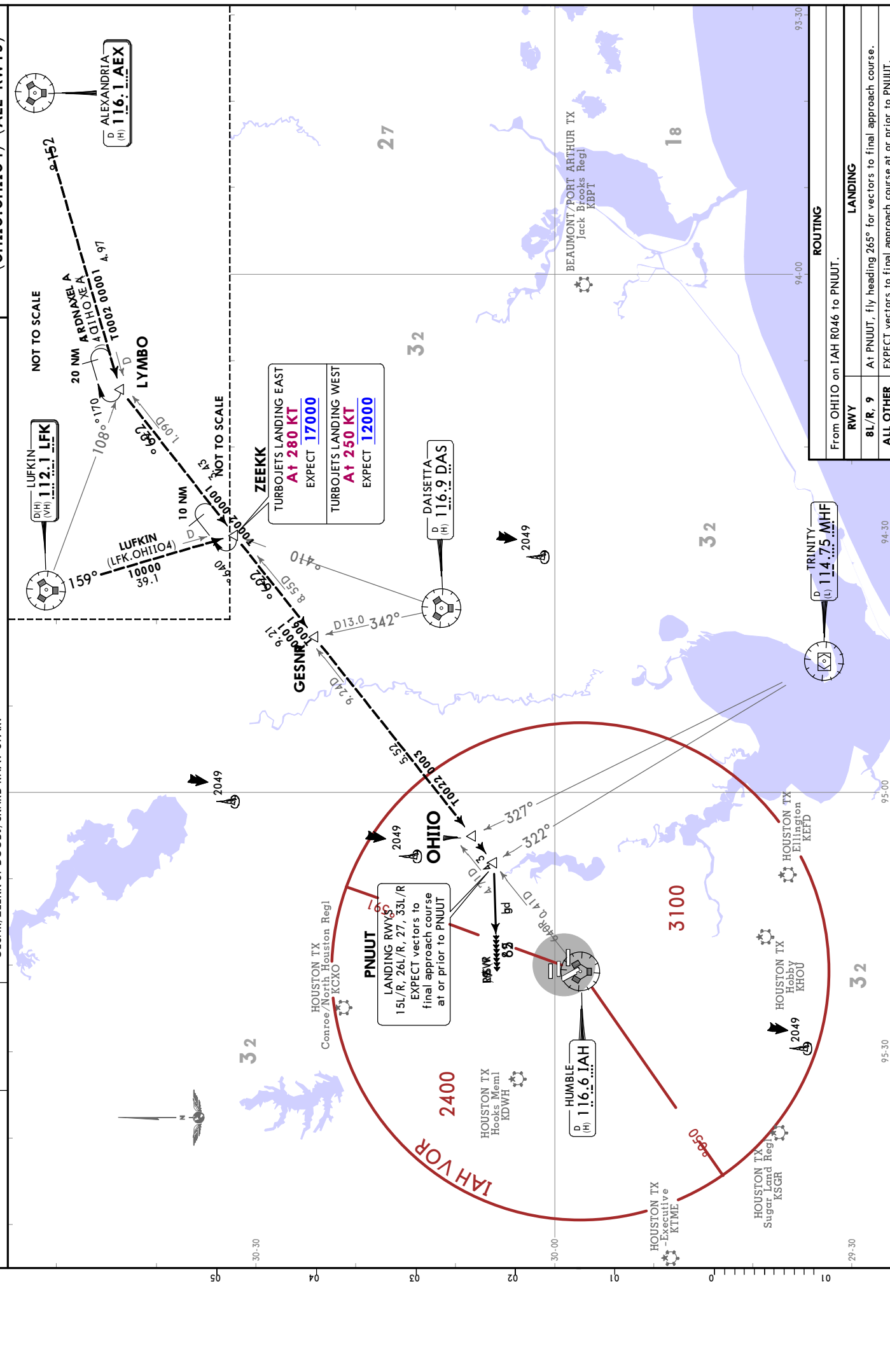
JEPPesen 24 NOV 23 **70-2L** Eff 30 Nov

OHIIO 4 ARRIVAL (OHIO.OHIO4) (ALL RWYS)

Alt Set: INCHES Trans level: FL180
 DME/DME/IRU or GPS equipped turbojet aircraft landing George Bush Intcnl/Houston must file the
 GESNR/ZEEKK or DOOB1/SKNRD RNAV STAR.

Apt Elev **96**

D-ATIS **124.05**



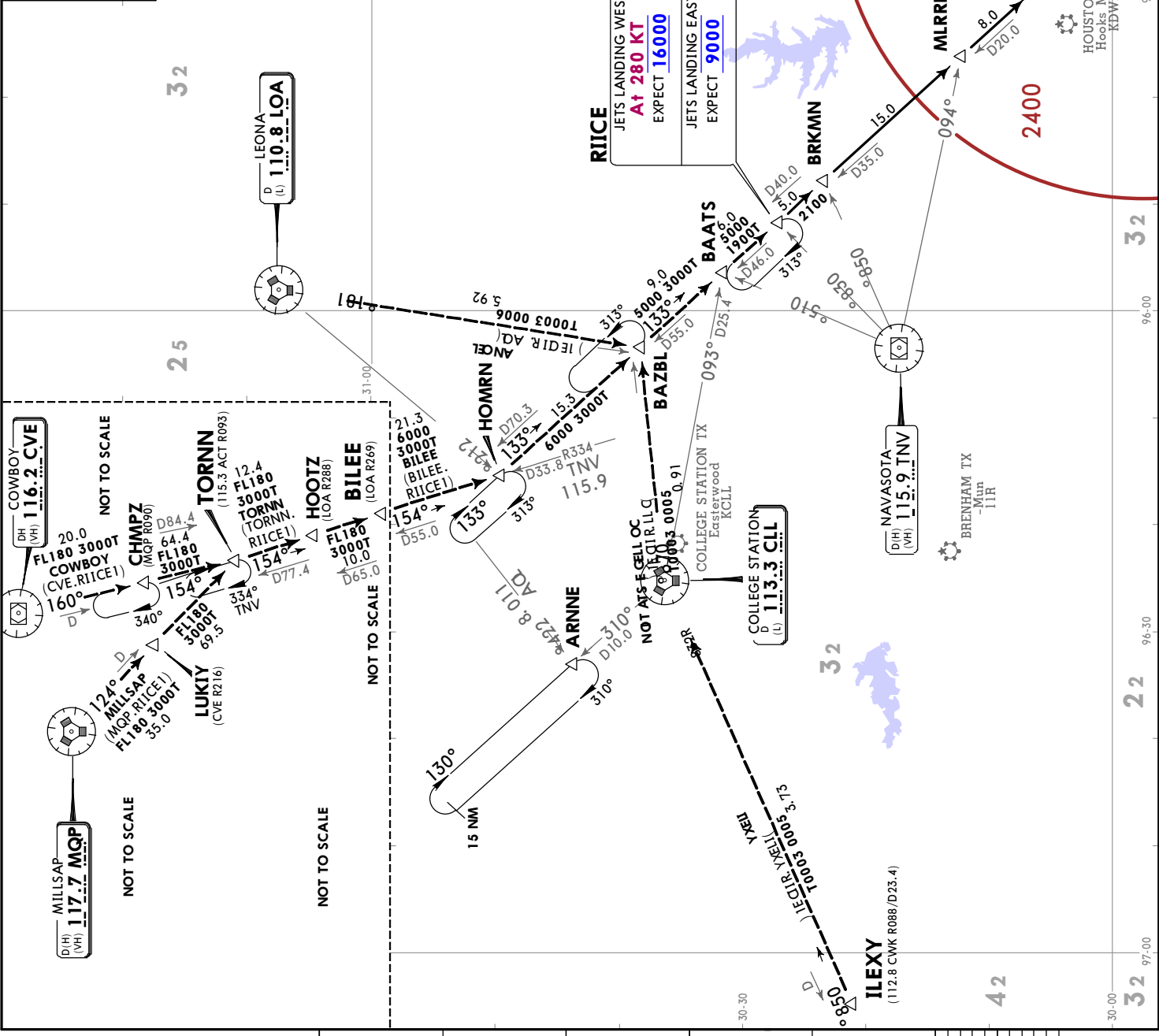
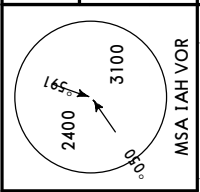
ROUTING	
From OHIO on 1AH R046 to PNUUT.	
LANDING	
RWY	At PNUUT, fly heading 265° for vectors to final approach course.
8L/R, 9	At PNUUT, fly heading 265° for vectors to final approach course.
ALL OTHER	EXPECT vectors to final approach course at or prior to PNUUT.

CHANGES: None. © JEPPesen, 2019, 2023. ALL RIGHTS RESERVED.

KIAH/IAH
 GEORGE BUSH
 INTCNL/HOUSTON

JEPPESEN HOUSTON, TEXAS
 STAR
 25 OCT 24 (70-2M) Eff 31 Oct

D-ATIS 124.05	Apt Elev 96
Alt Set: INCHES Trans level: FL180 1. RADAR required. 2. DME/DME/IRU or GPS equipped jet or turboprop aircraft landing IAH capable of 280 KT or greater must file the DRLR/GUSHR RNAV STARs.	
RIICE 1 ARRIVAL (RIICE.RIICE1) (ALL RWYS)	
ROUTING From over RIICE on IAH R313 to BRKMN, to MLRRR, to LYYTE.	
RWY 26L/R, 27	
LANDING From LYYTE fly heading 085° for vectors to final approach course. EXPECT vectors to final approach course at or prior to LYYTE.	
ALL OTHER	



NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

D-ATIS
124.05

Apt Elev
96

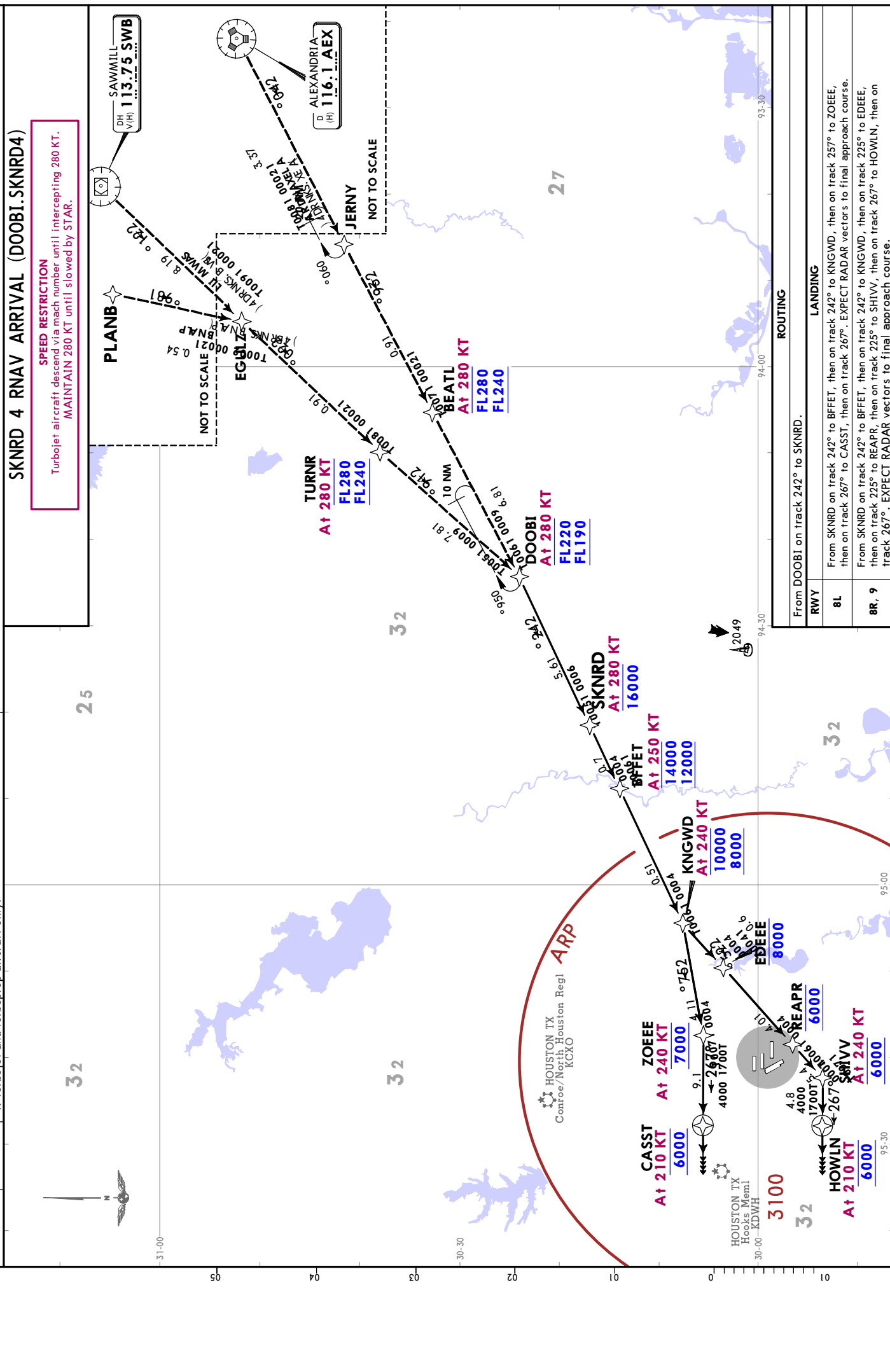
Alt Set: INCHES Trans level: FL180

1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. Turbojet and turboprop aircraft only.

5. Fly the runway 8L transition; Houston Approach control may assign a different transition on initial contact.
6. Corresponding RNAV STAR is DOOBI. EXPECT DOOBI when George Bush Intcnl/Houston is landing WEST.

SKNRD 4 RNAV ARRIVAL (DOOBI.SKNRD4)

SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT.
 MAINTAIN 280 KT until slowed by STAR.



ROUTING	
From DOOBI on track 242° to SKNRD.	
LANDING	
RWY	LANDING
8L	From SKNRD on track 242° to BFFET, then on track 242° to KNGWD, then on track 257° to ZOEFE, then on track 267° to CASST, then on track 267°. EXPECT RADAR vectors to final approach course.
8R, 9	From SKNRD on track 242° to BFFET, then on track 242° to KNGWD, then on track 225° to EDEEE, then on track 225° to REAPR, then on track 225° to SHIVV, then on track 267° to HOWLN, then on track 267°. EXPECT RADAR vectors to final approach course.

JEPPESEN HOUSTON, TEXAS
RNAV STAR
 29 SEP 23
 Eff 5 Oct 70-2P

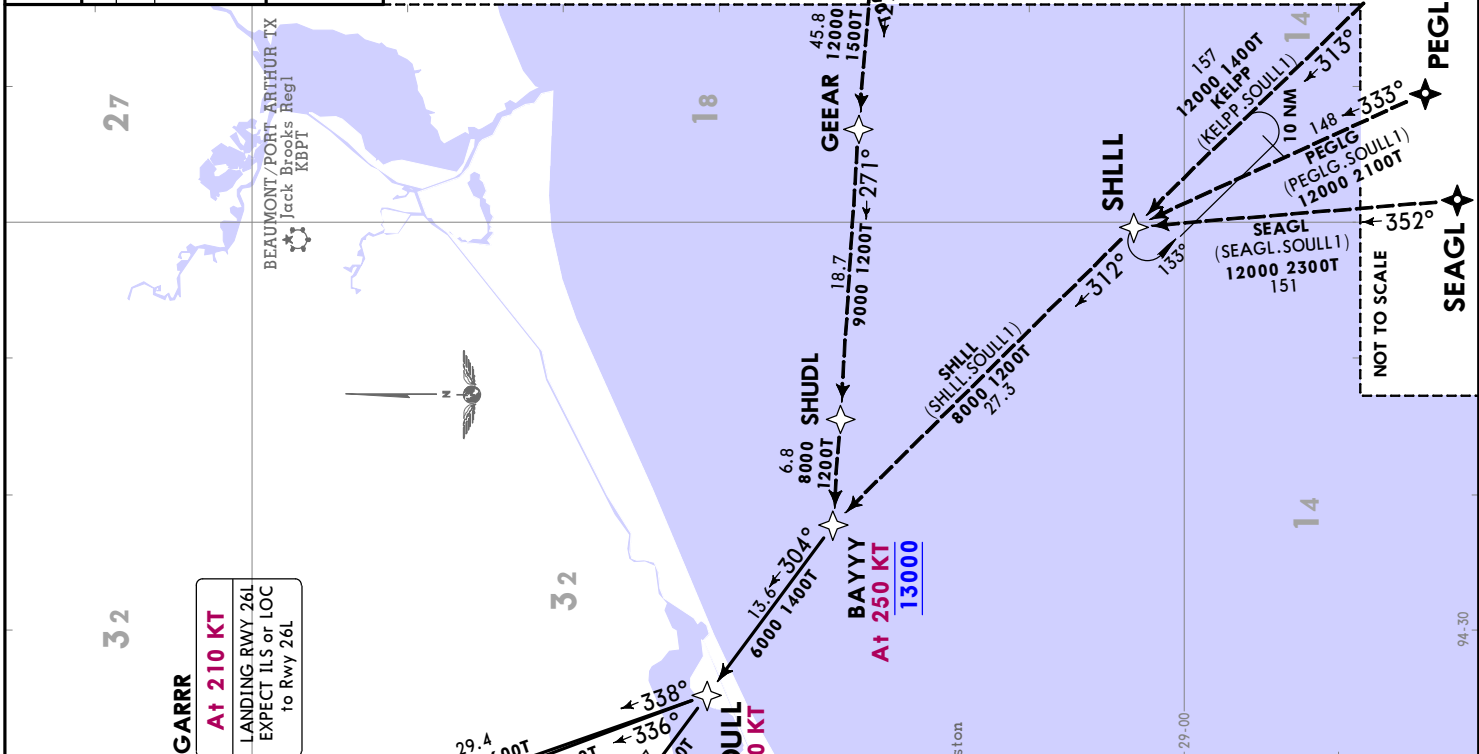
D-ATIS
124.05
 Apt Elev
96

Alt Set: INCHES Trans level: FL180

RNAV 1 DME/DME/IRU or GPS required

1. RADAR required. 2. For turbojet and turboprop aircraft capable of 280 KT or greater only. 3. ATC assigned only. 4. EXPECT runway assignment from Houston TRACON upon initial contact. 5. GPS required for KELPP, PEGLG and SEAGL Transitions.

SOULL 1 RNAV ARRIVAL
(BAYYY.SOULL1)
(RWYS 8L/R, 9, 26L/R, 27)



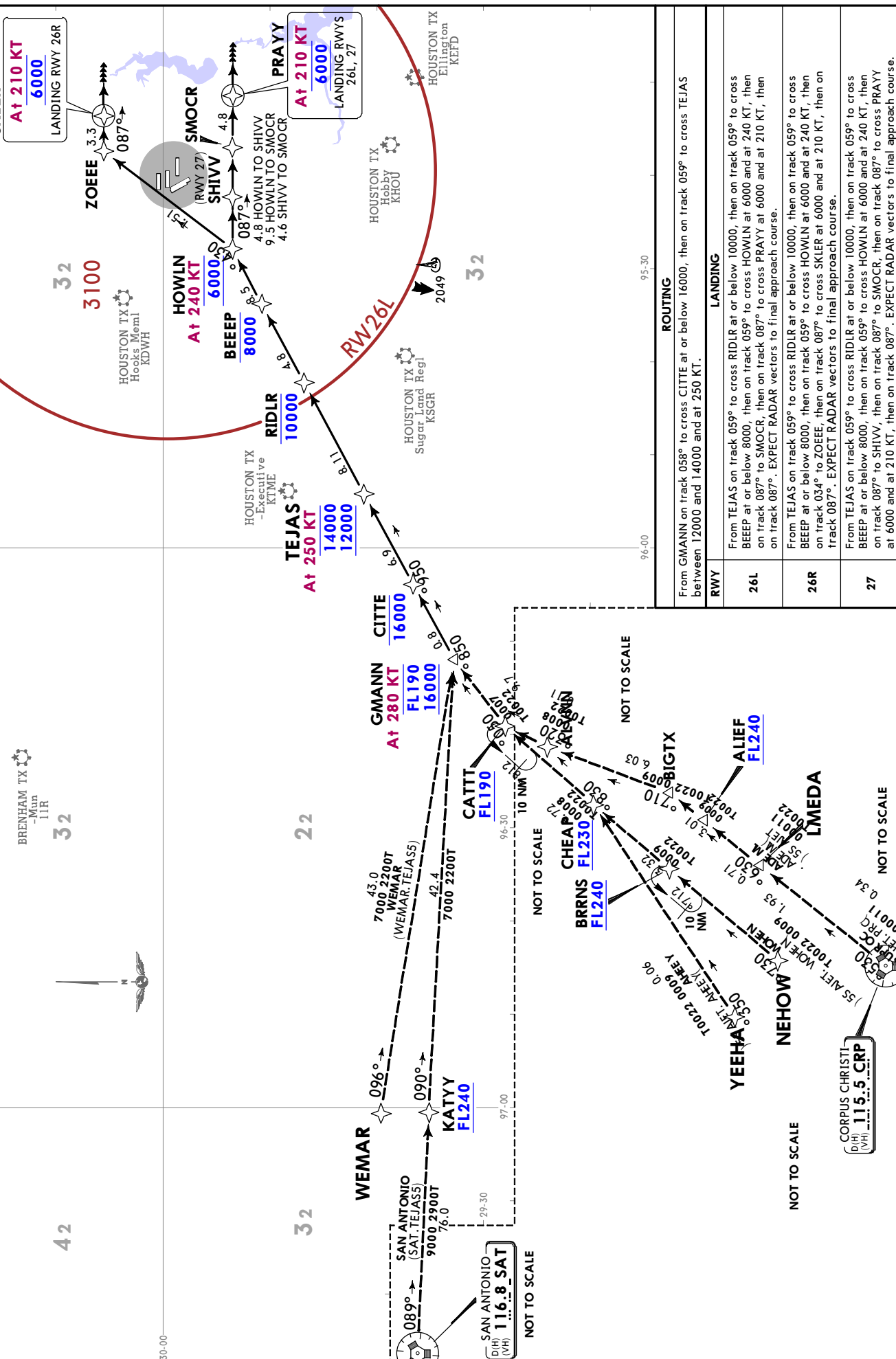
ROUTING	
RWY	LANDING
	From BAYYY on track 304° to SOULL.
8L	From SOULL on track 304° to PHILLY, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 319° to GOVW, then on track 267° to DOMNO, then on track 267°. EXPECT vectors to final approach course.
8R, 9	From SOULL on track 304° to PHILLY, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 267° to SMOCR, then on track 267° to SHIVV, then on track 267° to HOWLIN, then on track 267°. EXPECT vectors to final approach course.
26L	From SOULL on track 338° to GARRR. EXPECT ILS or LOC to Rwy 26L.
26R	From SOULL on track 338° to GARRR, then on track 290° at 210 KT. EXPECT vectors to final approach course.
27	From SOULL on track 336° to RDFS. EXPECT ILS or LOC to Rwy 27.

KIAH/IAH
 GEORGE BUSH
 INTCNL/HOUSTON

Alt Set: INCHES Trans level: FL180
 RNAV 1 - DME/DME/IRU or GPS
 1. RADAR required. 2. Jet and turboprop aircraft only. 3. Fly the runway 27 transition; Houston Approach Control may assign a different transition on initial contact. 4. Corresponding RNAV STAR is HTOWN. EXPECT HTOWN when KIAH is landing EAST.

D-ATIS 124.05
 Apt Elev 96

SPEED RESTRICTION
 Jet aircraft descend via mach number until 280 KT, if unable, advise ATC.



ROUTING	
From GMANN on track 058° to cross CITTE at or below 16000, then on track 059° to cross TEJAS between 12000 and 14000 and at 250 KT.	
LANDING	
26L	From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240 KT, then on track 087° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210 KT, then on track 087°. EXPECT RADAR vectors to final approach course.
26R	From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240 KT, then on track 034° to ZOE, then on track 087° to cross SKLER at 6000 and at 210 KT, then on track 087°. EXPECT RADAR vectors to final approach course.
27	From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240 KT, then on track 087° to SHIV, then on track 087° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210 KT, then on track 087°. EXPECT RADAR vectors to final approach course.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPIESEN HOUSTON, TEXAS
RNAV STAR

12 JUL 19 (70-2S)

D-ATIS
124.05

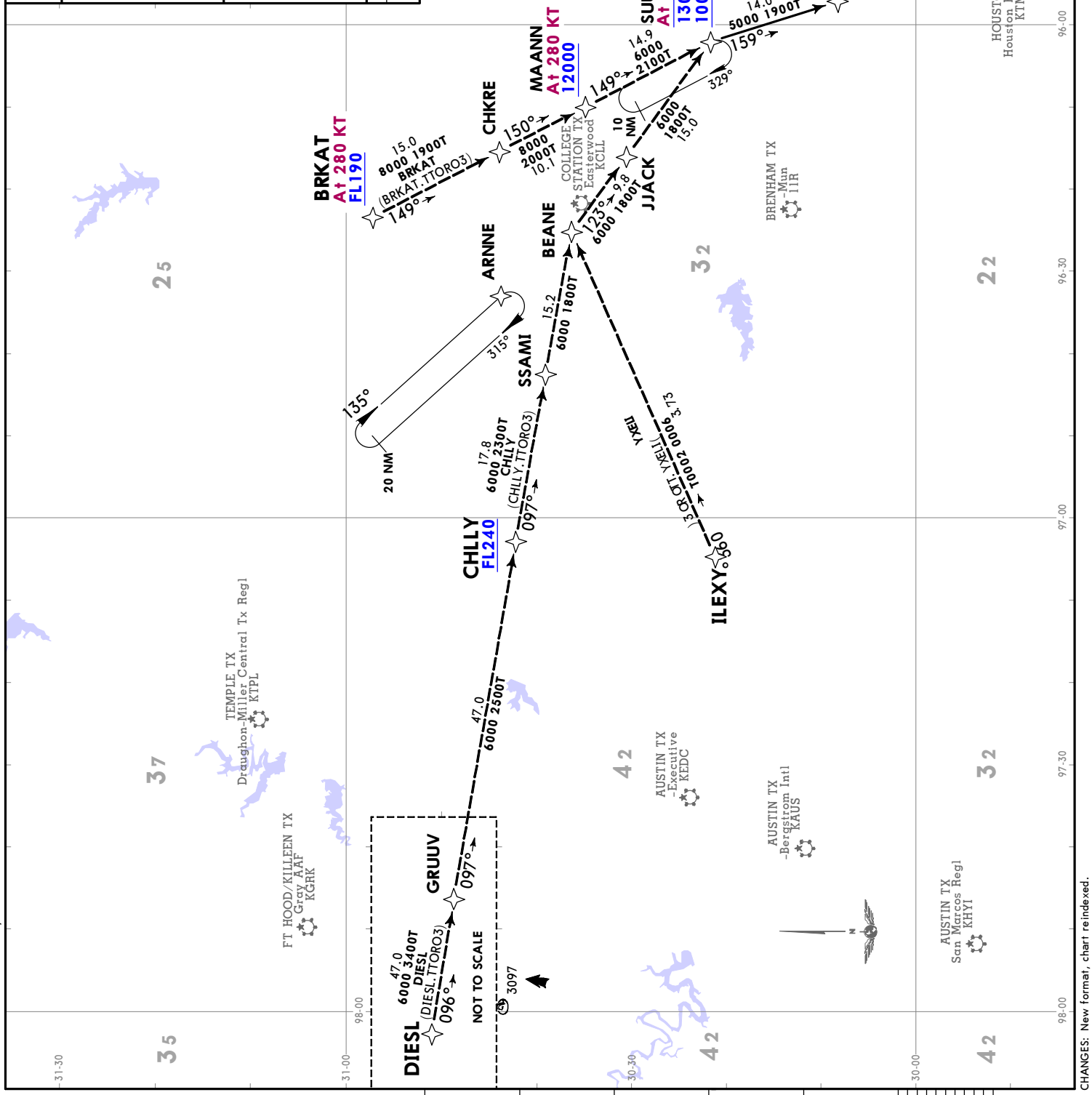
Apt Elev
96

Alt Set: INCHES Trans level: FL180
1. RADAR required. 2. RNAV 1.
3. DME/DME/IRU or GPS required.
 4. Turbojet and turboprop aircraft only. 5. EXPECT runway assignment from Houston TRACON upon initial contact. 6. Corresponding RNAV STAR is MSCOT. EXPECT MSCOT when George Bush Intercontinental/Houston is landing WEST.
 7. BRKAT Transition ATC assigned only. 8. ILEXY Transition for Austin Terminal Area departures only.

TTORO 3 RNAV ARRIVAL
(SUUNR.TTORO3)

SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT.
MAINTAIN 280 KT until slowed by the STAR.

ROUTING
 From SUUNR on track 159° to TTORO. EXPECT ILS or LOC Rwy 8R.

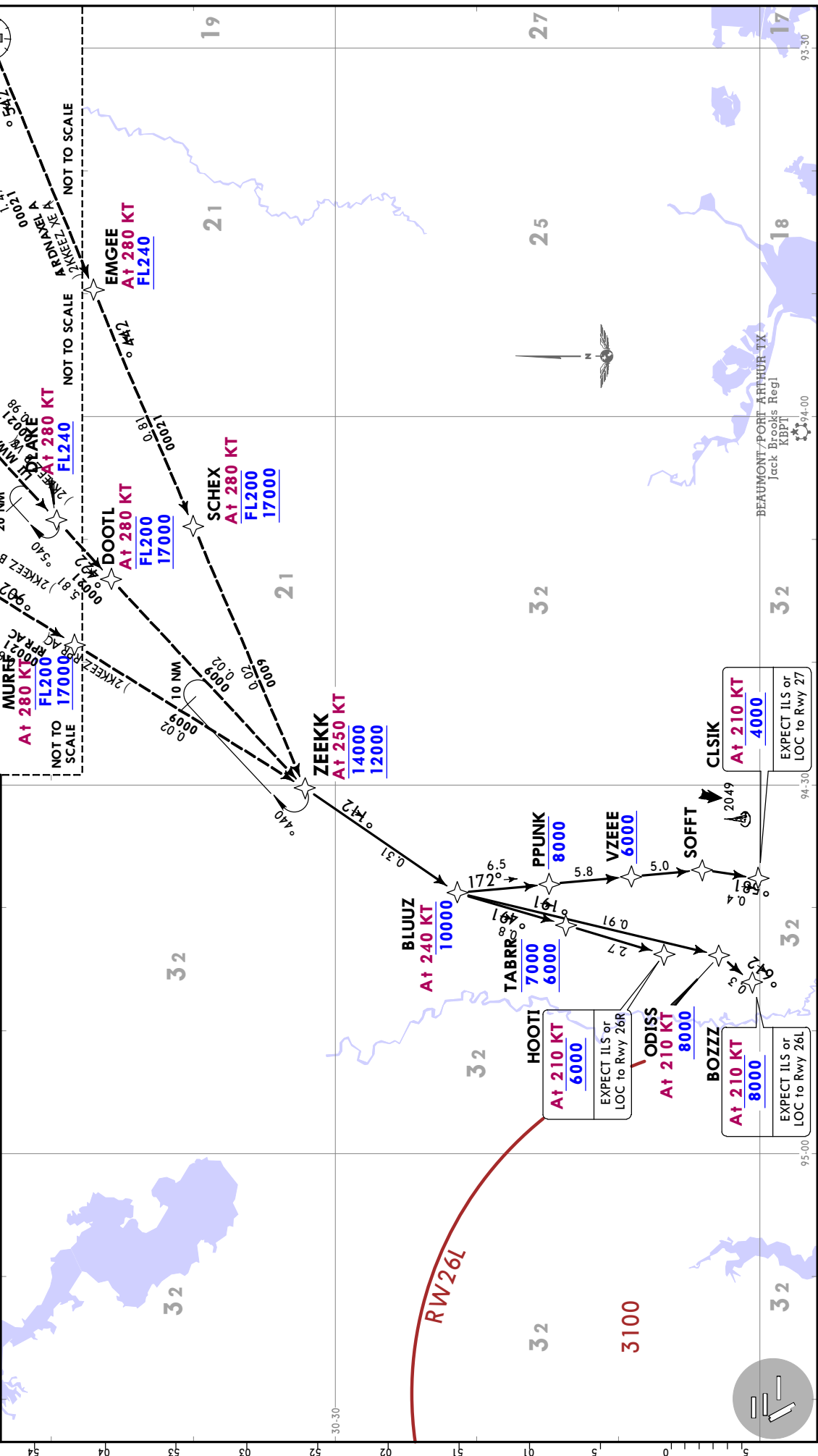


ZEEKK 2 RNAV ARRIVAL (ZEEKK.ZEEKK2)

SPEED RESTRICTION
 Turbojet aircraft descend via mach number until intercepting 280 KT.
 MAINTAIN 280 KT until slowed by STAR.

Alt Set: INCHES Trans level: FL180
 1. **RADAR required.** 2. **DME/DME/IRU or GPS required.** 3. **RNAV 1.**
 4. Turbojet or turboprop aircraft capable of 280 KT or greater only. 5. Fly the runway 26R transition; Houston Approach Control may assign a different transition on initial contact.
 6. Corresponding RNAV STAR is GESNR. EXPECT GESNR when George Bush Intercontinental/Houston is landing EAST. 7. Except for aircraft departing Shreveport Regl, PLANB transition is ATC assigned only; do not file. 8. CARPR transition is ATC assigned only; do not file.

ROUTING	
From ZEEKK on track 211° to BLUUZ.	
LANDING	
26L	From BLUUZ on track 191° to ODISS, then on track 216° to BOZZZ. EXPECT ILS or LOC Rwy 26L.
26R	From BLUUZ on track 194° to TABRR, then on track 194° to HOOTI. EXPECT ILS or LOC Rwy 26R.
27	From BLUUZ on track 172° to PPUNK, then on track 172° to VZEEE, then on track 172° to SOFFT, then on track 185° to CLSIK. EXPECT ILS or LOC Rwy 27.

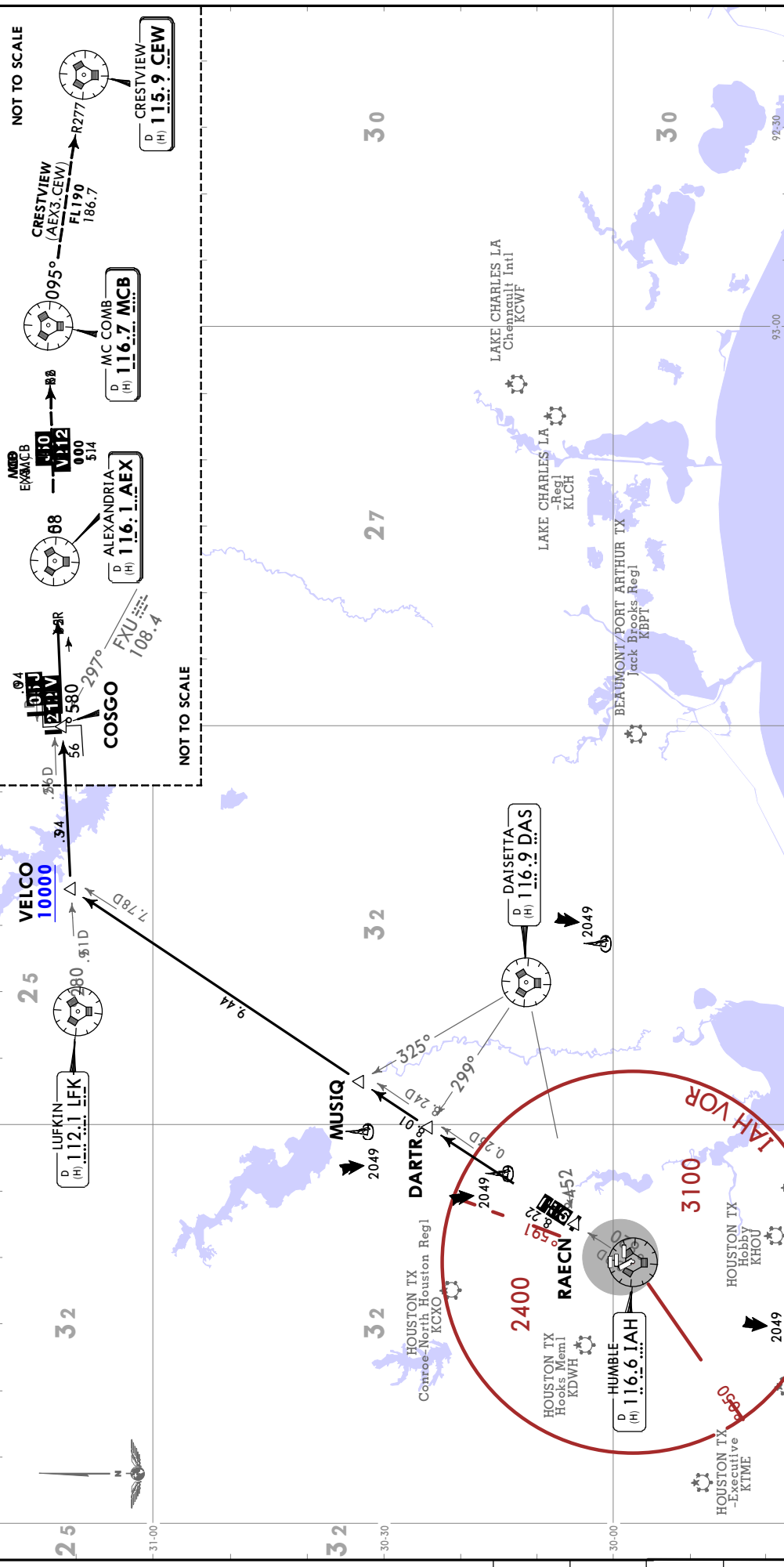


HOUSTON
 Departure (R)
132.25

Apt Elev
96

Trans alt:
 18000

ALEXANDRIA 3 DEPARTURE
 (AEX3.AEX)
 (ALL RWYS)

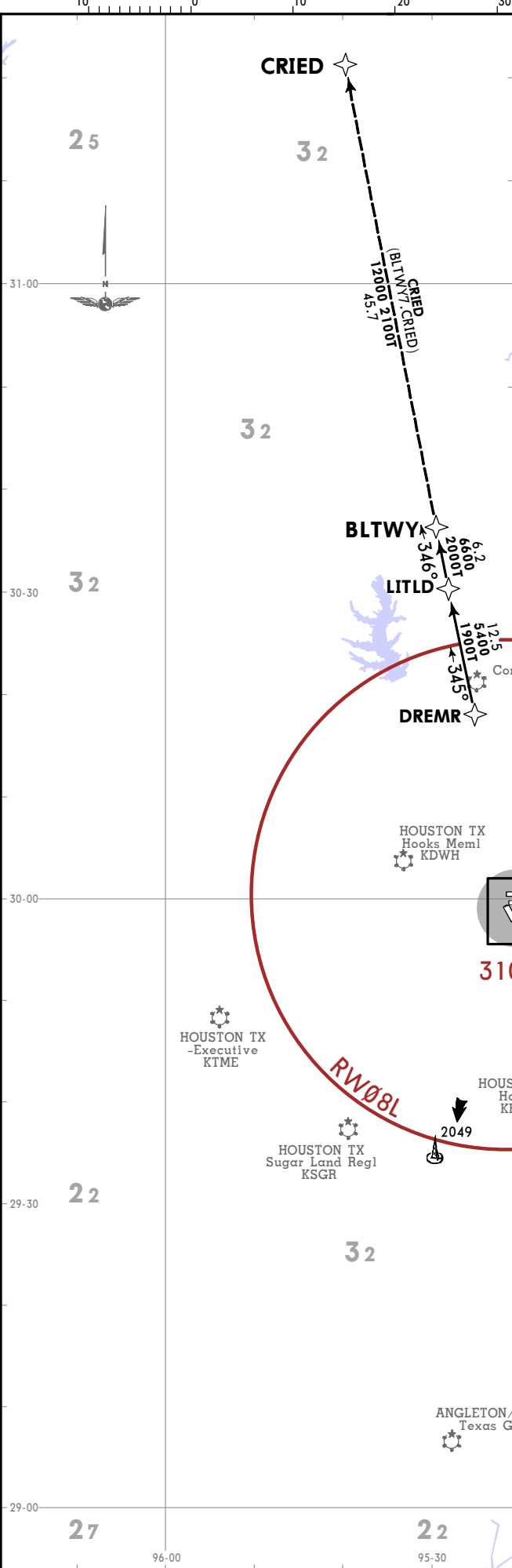


TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (70-30B).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
 Rwy 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized).

INITIAL CLIMB	TOP ALTITUDE
Climb on assigned heading for RADAR vectors to RAECN, MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure. At RAECN on IAH R028 to VELCO, cross VELCO at or above 10000, then RIGHT turn on LFK R082 and AEX R265 to AEX VOR.	16000

CHANGES: Initial climb, procedure renumbered.



HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000
		RNAV 1 DME/DME/IRU or GPS required
		RADAR required.

BLTWY 7 RNAV DEPARTURE (BLTWY7.BLTWY) (ALL RWYS)

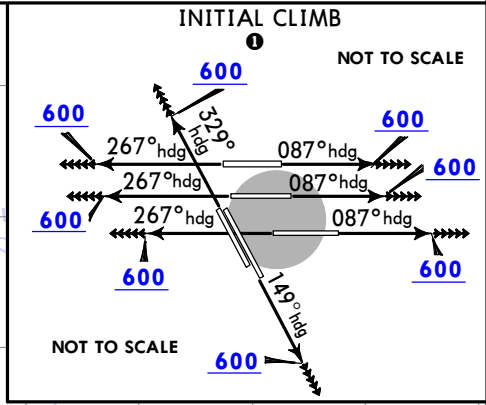
This SID requires takeoff minimums (for standard minimums, refer to airport chart):
Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.

		TAKEOFF OBSTACLE NOTES					
		See TAKEOFF OBSTACLE NOTES page (70-30B).					
Gnd speed-KT	75	100	150	200	250	300	
500 per NM	625	833	1250	1667	2083	2500	

RWY	INITIAL CLIMB	TOP ALTITUDE
8L/R, 9	Climb on heading 087° to 600 for RADAR vectors to DREMR.	16000
15L/R	Climb on heading 149° to 600 for RADAR vectors to DREMR.	
26L/R, 27	Climb on heading 267° to 600 for RADAR vectors to DREMR.	
33L/R	Climb on heading 329° to 600 for RADAR vectors to DREMR.	

ROUTING

From DREMR on track 345° to LITLD, then on track 346° to BLTWY, then on transition.
MAINTAIN 16000 or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

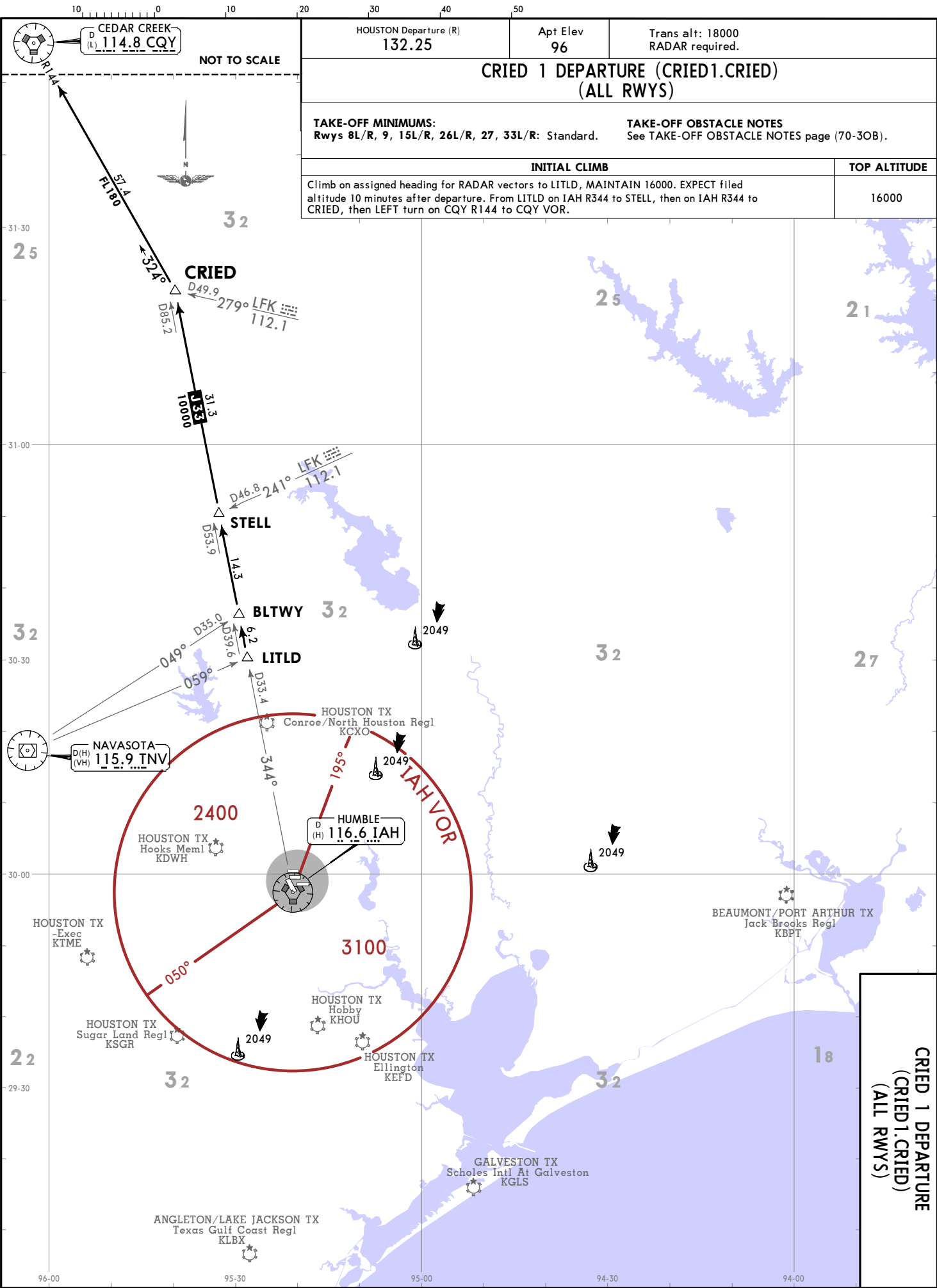


FOR INTIAL CLIMB REFER TO INSET

BLTWY 7 RNAV DEPARTURE
(BLTWY7.BLTWY)
(ALL RWYS)

KIAH/IAH
 GEORGE BUSH
 INTERCONTINENTAL/HOUSTON
 JEPPESSEN
 (70-3A)
 1 OCT 21
 EFF 7 OCT
 HOUSTON, TEXAS
 RNAV SID

CHANGE: TNV VOR service volume.



KIAH/IAH
GEORGE BUSH
INTCNL/HOUSTON

5 JUL 24 (70-3C) EFF 11 Jul
JEPPesen

HOUSTON, TEXAS
SID

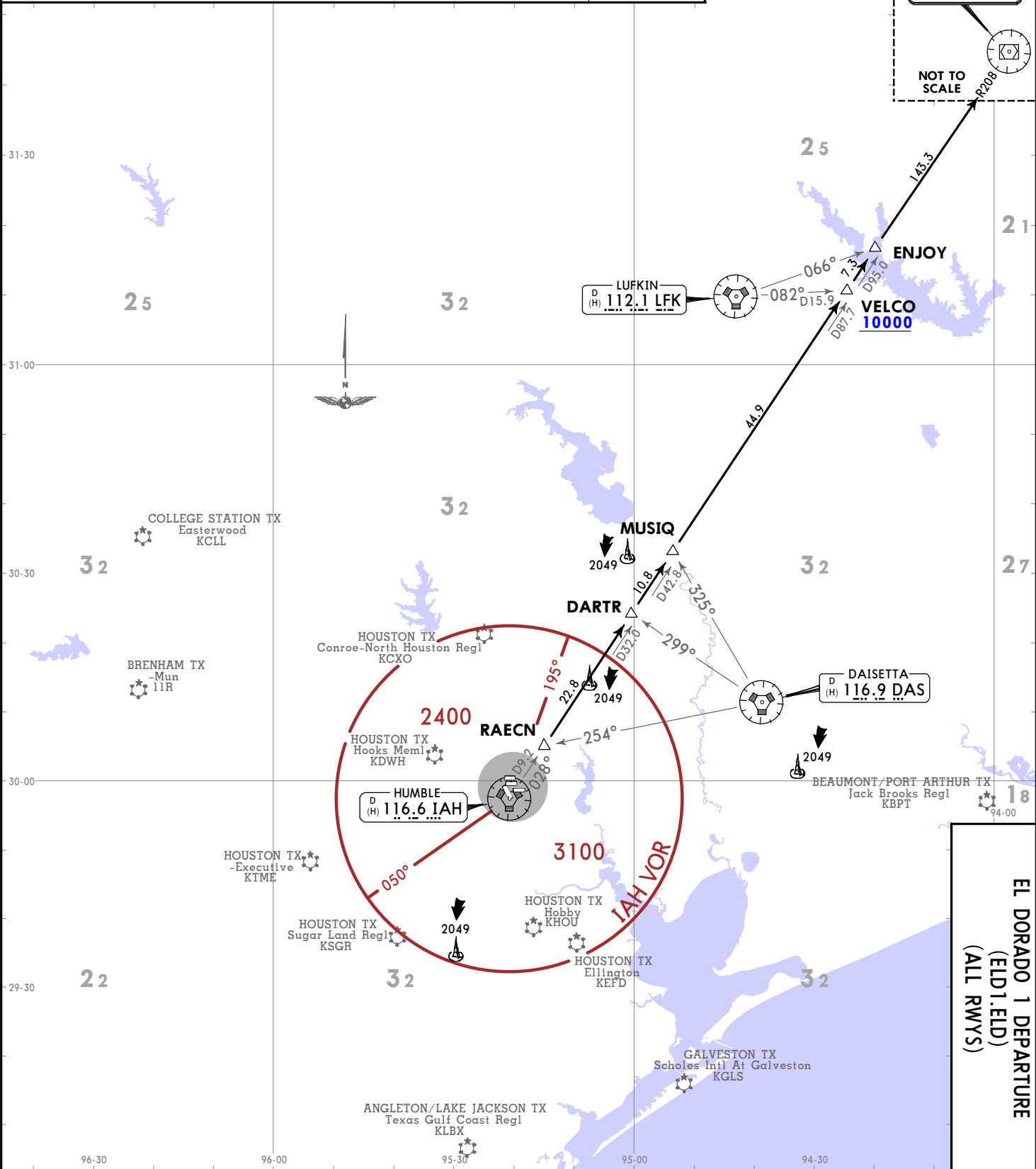
**CRIED 1 DEPARTURE
(CRIED1.CRIED)
(ALL RWYS)**

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CHANGES: Procedure renumbered.

HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000 1. RADAR required. 2. For aircraft destined Memphis Intl (MEM) or filed via Q-32 or J-42.
EL DORADO 1 DEPARTURE (ELD1.ELD) (ALL RWYS)		
This SID requires takeoff minimums (for standard minimums, refer to airport chart): Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized).		TAKEOFF OBSTACLE NOTES See TAKEOFF OBSTACLE NOTES page (70-30B).
INITIAL CLIMB Climb on assigned heading for RADAR vectors to RAECN, MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure. From RAECN on IAH R028 and the ELD R208 to ELD VOR, cross VELCO at or above 10000.		TOP ALTITUDE 16000

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON



JEPPESSENHOUSTON, TEXAS
SID
1 OCT 21 (70-3D) EFT 7 Oct 21

**EL DORADO 1 DEPARTURE
(ELD1.ELD)
(ALL RWYS)**

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HOUSTON Departure (R) **127.125** Apt Elev **96**

Trans alt: 18000
 1. RADAR required.
 2. RNAV 1.
 3. GPS required.

FLYZA 5 RNAV DEPARTURE (FLYZA5.FLYZA)

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (70-30B).

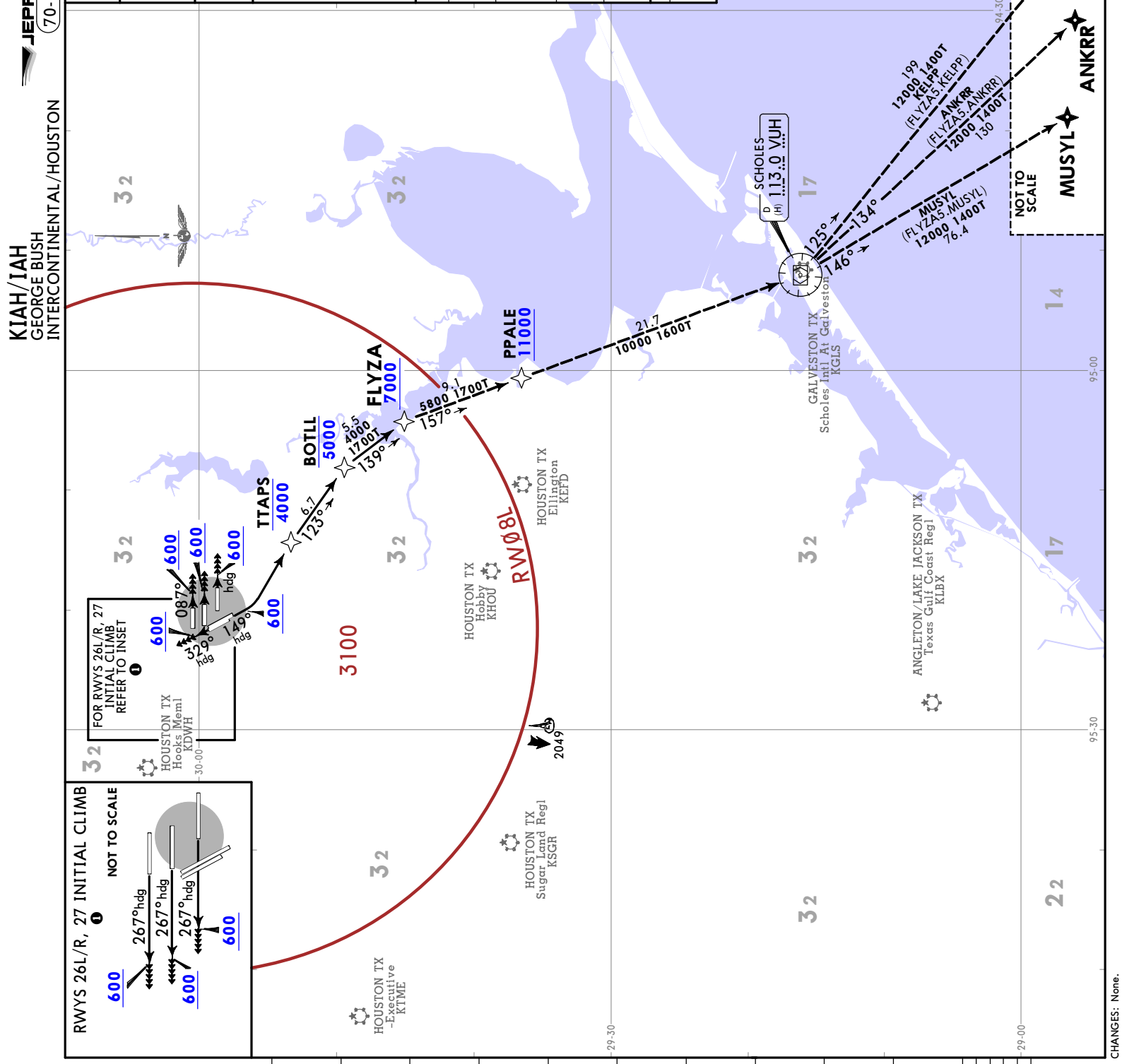
This SID requires takeoff minimums (for standard minimums, refer to airport chart):
 Rwy 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 800.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

RWY	INITIAL CLIMB	TOP ALTITUDE
8L/R 9	Climb heading 087° to 600, EXPECT RADAR vectors to cross BOTLL at or below 5000.	
15L/R	Climb heading 149° to 600, then LEFT turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000.	16000
26L/R 27	Climb heading 267° to 600, EXPECT RADAR vectors to cross BOTLL at or below 5000.	
33L/R	Climb heading 329° to 600, EXPECT RADAR vectors to cross BOTLL at or below 5000.	

ROUTING

From BOTLL on track 139° to cross FLYZA at or above 7000, then on transition. MAINTAIN 16000. EXPECT filed a altitude 10 minutes after departure.



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 8 JUL 22
70-3F Eff 14 Jul

HOUSTON, TEXAS
SID

HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000
---	-----------------------	------------------

1. RADAR required.
2. For aircraft destined for Dallas Ft Worth (DFW) terminal area only.

GIFFA 1 DEPARTURE
(GIFFA 1.GIFFA)
(ALL RWYS)



TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (70-3OB).
 This SID requires takeoff minimums (for standard minimums, refer to airport chart):
 Rwy 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized).

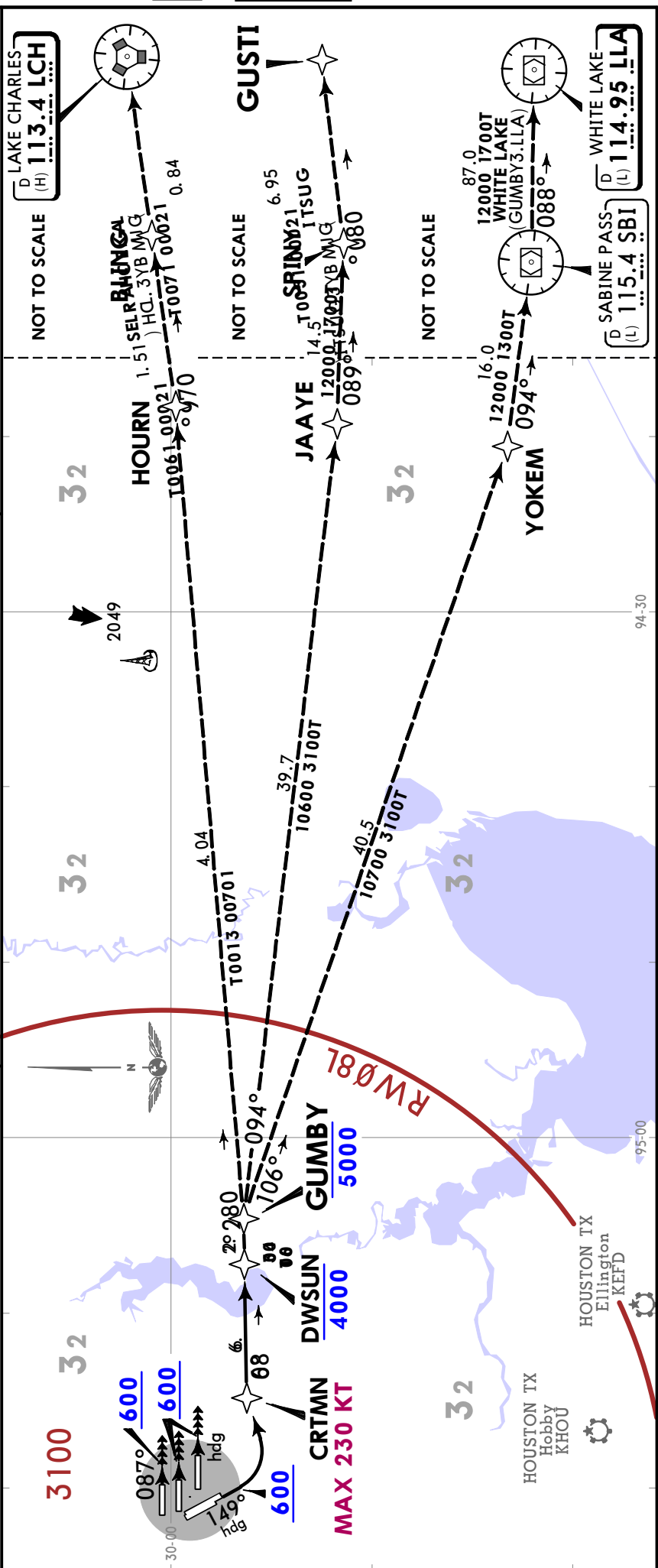
INITIAL CLIMB	TOP ALTITUDE
Climb on assigned heading for RADAR vectors to MONNT, MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure. From MONNT on IAH R358 to cross GIFFA at or above 10000.	16000

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 8 JUL 22
(70-3G) Eff 14 Jul

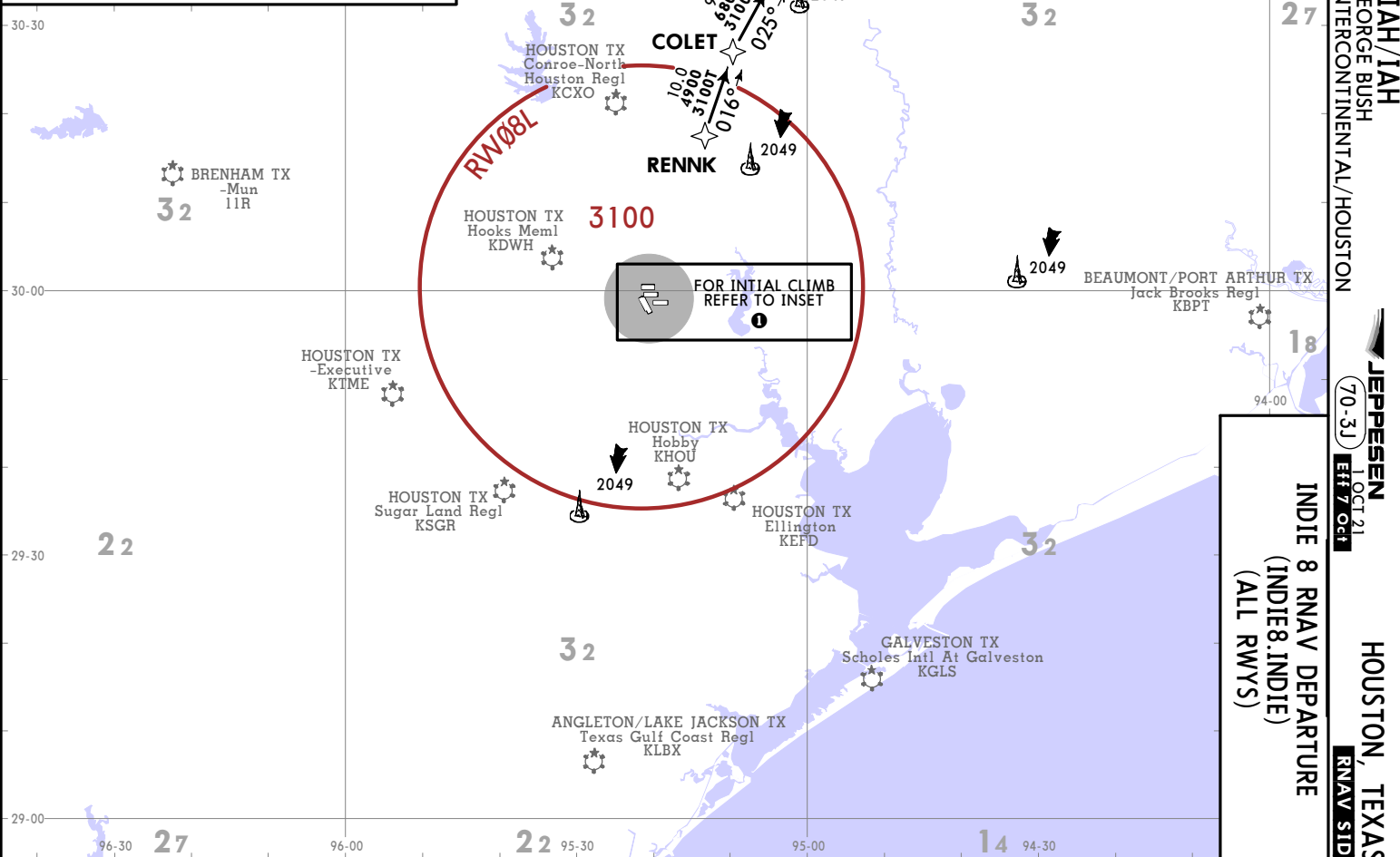
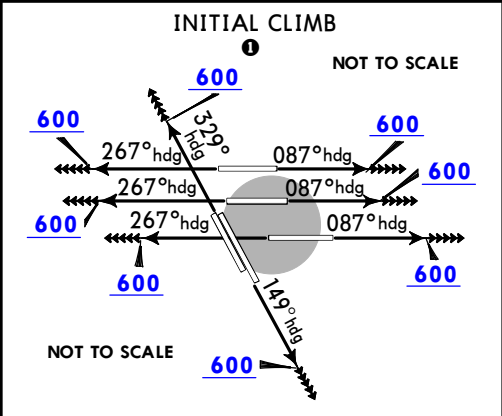
HOUSTON, TEXAS
RNAV SID

5	10	15	20	25	30	35	40	45	50														
HOUSTON Departure (R) 127.125		Apt Elev 96		<p>TAKEOFF OBSTACLE NOTES See TAKEOFF OBSTACLE NOTES page (70-30B).</p> <p>This SID requires takeoff minimums (for standard minimums, refer to airport chart): Rwy 8L/R, 9, 15L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 1700.</p> <table border="1"> <thead> <tr> <th>Gnd speed-KT</th> <th>75</th> <th>100</th> <th>150</th> <th>200</th> <th>250</th> <th>300</th> </tr> </thead> <tbody> <tr> <td>500 per NM</td> <td>625</td> <td>833</td> <td>1250</td> <td>1667</td> <td>2083</td> <td>2500</td> </tr> </tbody> </table>						Gnd speed-KT	75	100	150	200	250	300	500 per NM	625	833	1250	1667	2083	2500
Gnd speed-KT	75	100	150							200	250	300											
500 per NM	625	833	1250	1667	2083	2500																	
Trans alt: 18000 1. RADAR required. 2. RNAV 1. 3. DME/DME/IRU or GPS required.																							
<p>GUMBY 3 RNAV DEPARTURE (GUMBY3.GUMBY)</p>																							
RWY		INITIAL CLIMB		TOP ALTITUDE																			
8L/R, 9		Climb heading 087° to 600, EXPECT RADAR vectors to cross DWSUN at or below 4000.		16000																			
15L/R		Climb heading 149° to 600, then LEFT turn direct CRTMN, then on track 086° to cross DWSUN at or below 4000.																					
<p style="text-align: center;">ROUTING</p> From DWSUN on track 086° to cross GUMBY at or below 5000, then on transition. MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure.																							



CHANGES: Initial climb, procedure renumbered.

HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000 RNAV 1 DME/DME/IRU or GPS required 1. RADAR required. 2. TPAKK transition: For non-GPS equipped aircraft TNV DME must be operational.														
INDIE 8 RNAV DEPARTURE (INDIE8.INDIE) (ALL RWYS)																
This SID requires takeoff minimums (for standard minimums, refer to airport chart): Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.		TAKEOFF OBSTACLE NOTES See TAKEOFF OBSTACLE NOTES page (70-30B).														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Gnd speed-KT</th> <th>75</th> <th>100</th> <th>150</th> <th>200</th> <th>250</th> <th>300</th> </tr> </thead> <tbody> <tr> <td>500 per NM</td> <td>625</td> <td>833</td> <td>1250</td> <td>1667</td> <td>2083</td> <td>2500</td> </tr> </tbody> </table>	Gnd speed-KT	75	100	150	200	250	300	500 per NM	625	833	1250	1667	2083	2500		
Gnd speed-KT	75	100	150	200	250	300										
500 per NM	625	833	1250	1667	2083	2500										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>RWY</th> <th>INITIAL CLIMB</th> <th>TOP ALTITUDE</th> </tr> </thead> <tbody> <tr> <td>8L/R, 9</td> <td>Climb on heading 087° to 600 for RADAR vectors to RENNK.</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">16000</td> </tr> <tr> <td>15L/R</td> <td>Climb on heading 149° to 600 for RADAR vectors to RENNK.</td> </tr> <tr> <td>26L/R, 27</td> <td>Climb on heading 267° to 600 for RADAR vectors to RENNK.</td> </tr> <tr> <td>33L/R</td> <td>Climb on heading 329° to 600 for RADAR vectors to RENNK.</td> </tr> </tbody> </table>	RWY	INITIAL CLIMB	TOP ALTITUDE	8L/R, 9	Climb on heading 087° to 600 for RADAR vectors to RENNK.	16000	15L/R	Climb on heading 149° to 600 for RADAR vectors to RENNK.	26L/R, 27	Climb on heading 267° to 600 for RADAR vectors to RENNK.	33L/R	Climb on heading 329° to 600 for RADAR vectors to RENNK.				
RWY	INITIAL CLIMB	TOP ALTITUDE														
8L/R, 9	Climb on heading 087° to 600 for RADAR vectors to RENNK.	16000														
15L/R	Climb on heading 149° to 600 for RADAR vectors to RENNK.															
26L/R, 27	Climb on heading 267° to 600 for RADAR vectors to RENNK.															
33L/R	Climb on heading 329° to 600 for RADAR vectors to RENNK.															
ROUTING From RENNK on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on transition. MAINTAIN 16000 or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.																



KIAH/IAH
 GEORGE BUSH
 INTERCONTINENTAL/HOUSTON
 JEPPESSEN
 (70-33)
 1 OCT 21
 EFF 7 OCT 21
 HOUSTON, TEXAS
 RNAV SID

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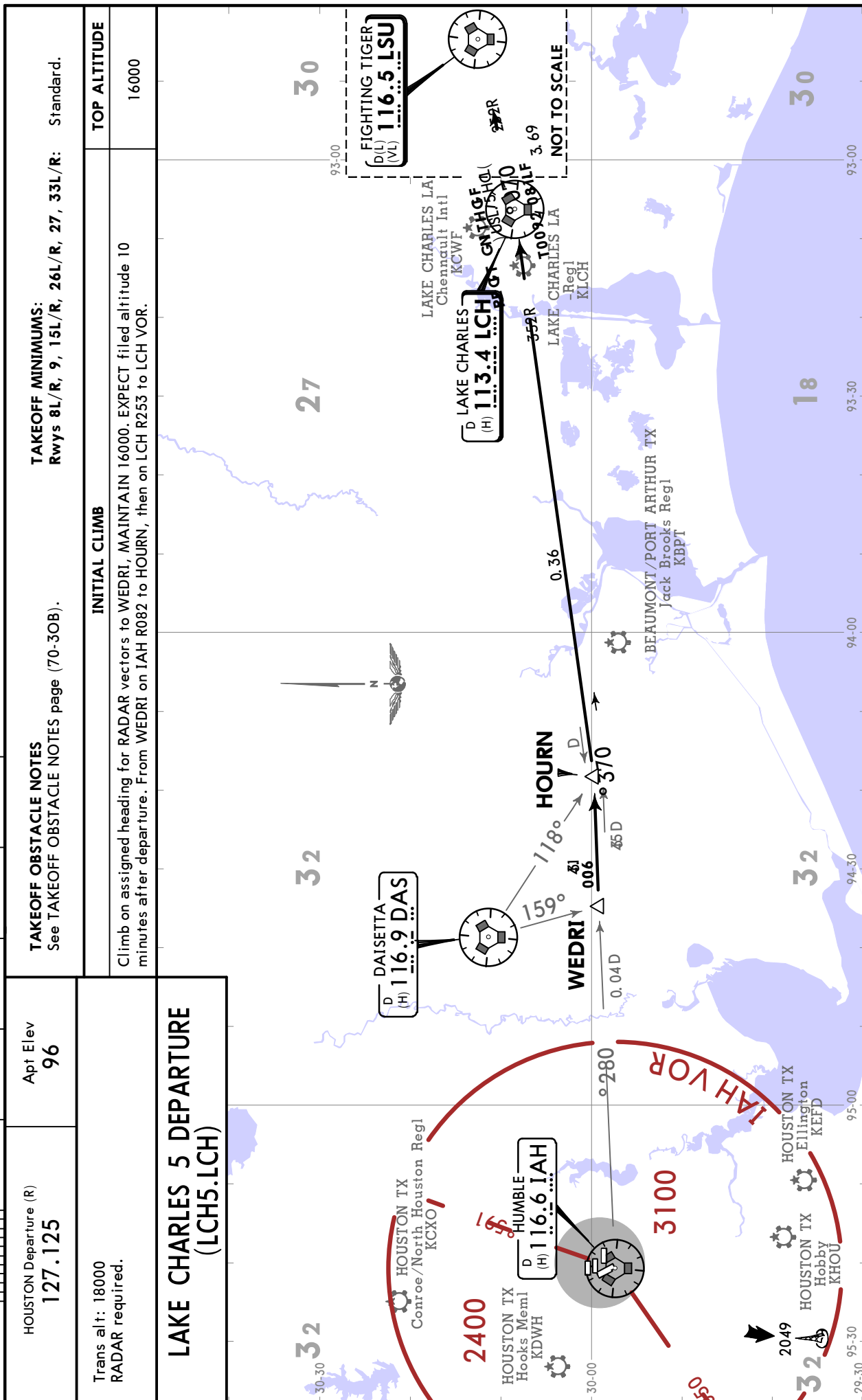
KIAH/IAH
GEORGE BUSH
INTCNTL/HOUSTON



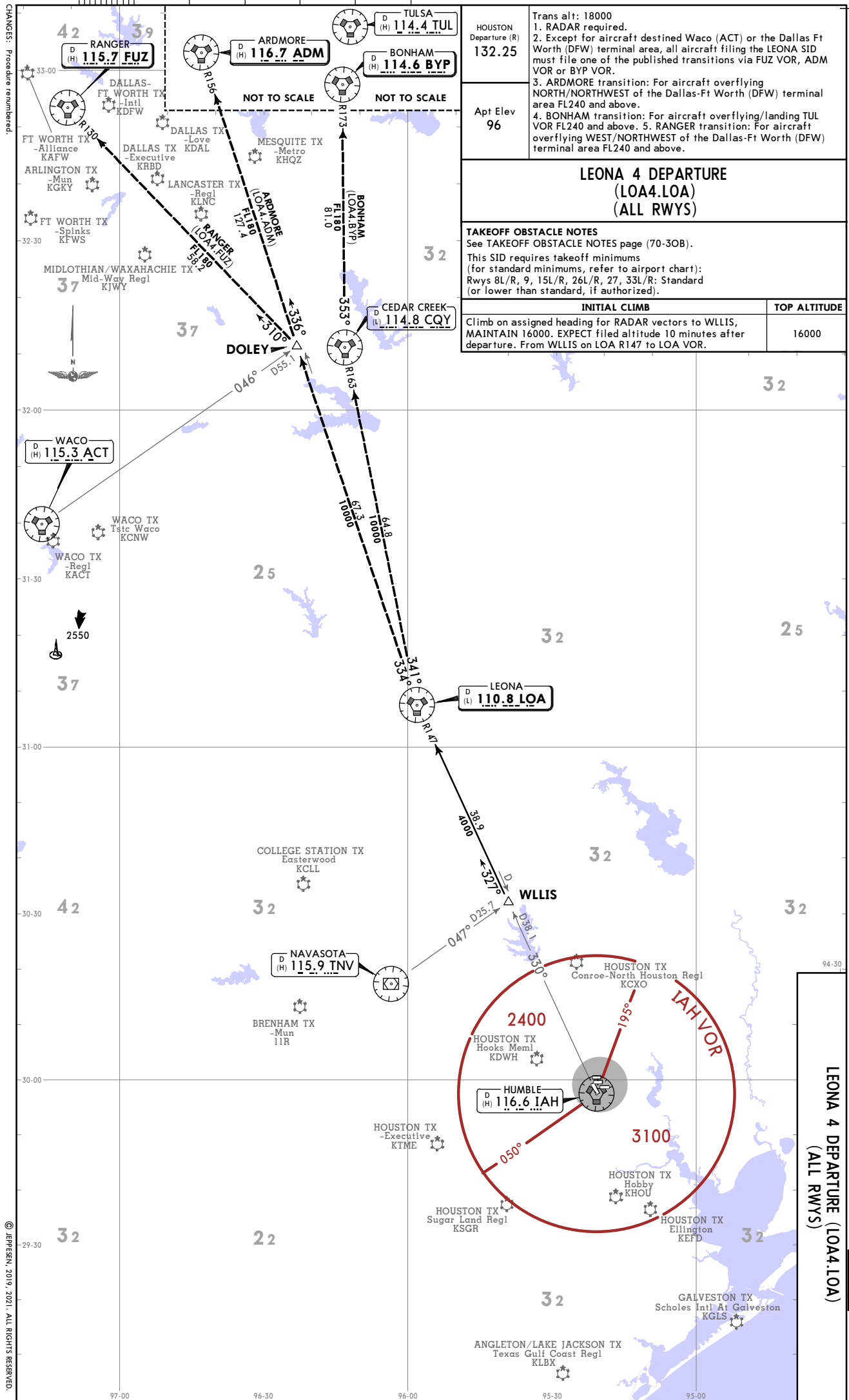
70-3M 3 MAR 23

HOUSTON, TEXAS

SID



CHANGES: LSU service volume, takeoff minimums.



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON
LEONA 4 DEPARTURE (LOA4.LOA)
(ALL RWYS)

JEPPESEN HOUSTON, TEXAS
70-3N
1 OCT 21
E17 OCT 21
SID

KIAH/IAH

 **JEPPESEN**
4 JUL 14 (70-30B)

HOUSTON, TEXAS
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

TAKEOFF OBSTACLE NOTES

◦ RWY 8L:

TREE 2866' FROM DER, 921' LEFT OF CENTERLINE, 107' AGL/201' MSL. MULTIPLE TREES BEGINNING 2750' FROM DER, 106' RIGHT OF CENTERLINE, UP TO 80' AGL/174' MSL.

◦ RWY 15L:

MULTIPLE TREES BEGINNING 2638' FROM DER, 758' RIGHT OF CENTERLINE, UP TO 76' AGL/160' MSL.

◦ RWY 15R:

TOWER 1431' FROM DER, 591' LEFT OF CENTERLINE, 48' AGL/133' MSL. ANTENNA ON GLIDESLOPE 1469' FROM DER, 621' LEFT OF CENTERLINE, 49' AGL/133' MSL.

◦ RWY 26R:

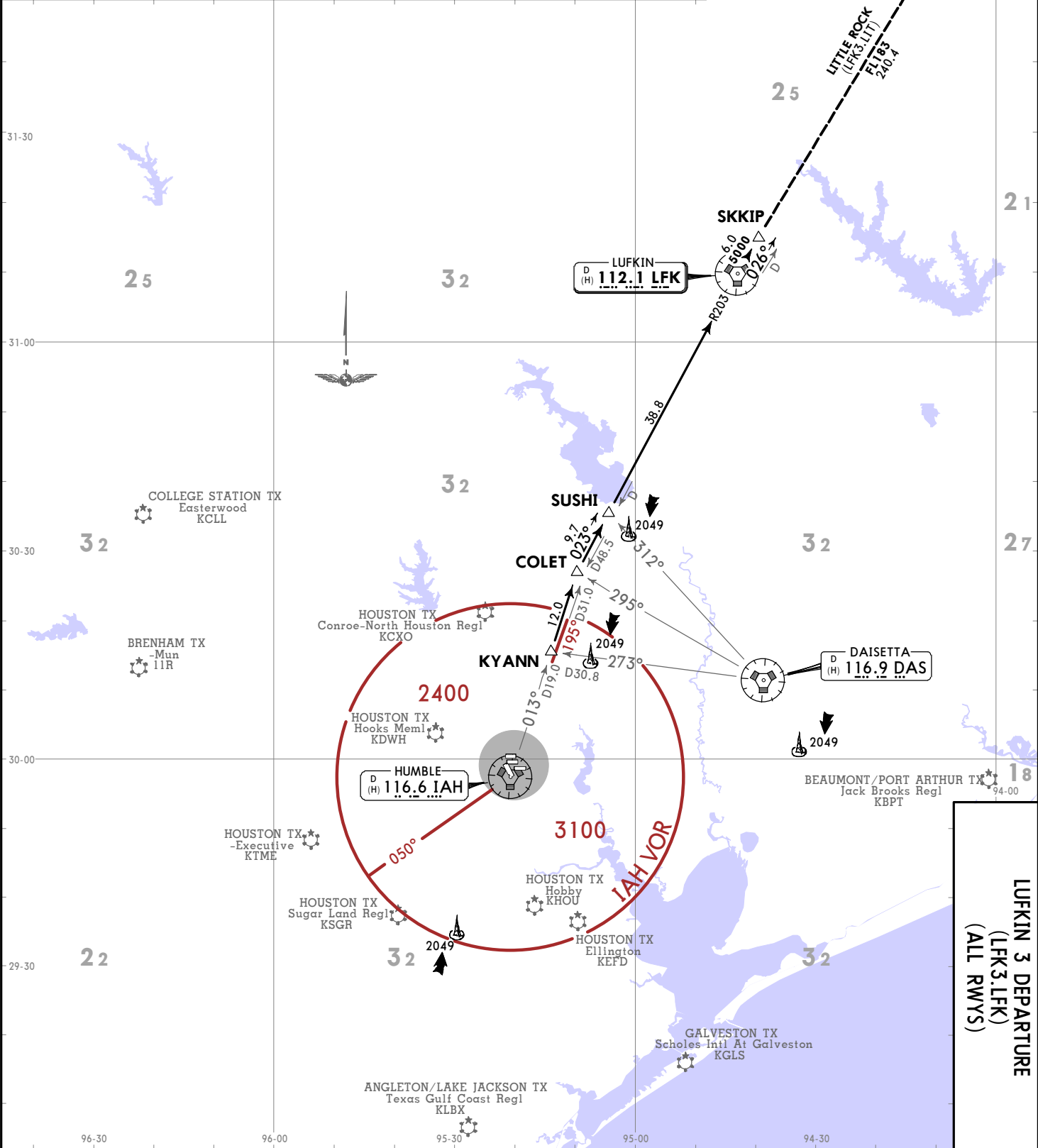
POLE 950' FROM DER, 660' RIGHT OF CENTERLINE, 40' AGL/129' MSL.

◦ RWY 33R:

TREE 2868' FROM DER, 1027' RIGHT OF CENTERLINE, 73' AGL/172' MSL.

CHANGES: Procedure renumbered.

HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000 1. RADAR and DME required. 2. For aircraft destined LIT, or overflying LIT or PXV.
LUFKIN 3 DEPARTURE (LFK3.LFK) (ALL RWYS)		
This SID requires takeoff minimums (for standard minimums, refer to airport chart): Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized).		TAKEOFF OBSTACLE NOTES See TAKEOFF OBSTACLE NOTES page (70-30B).
INITIAL CLIMB Climb on assigned heading for RADAR vectors to KYANN, MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure. From KYANN on IAH R013 to COLET, then RIGHT turn on LFK R203 to LFK VOR.		TOP ALTITUDE 16000



**LUFKIN 3 DEPARTURE
(LFK3.LFK)
(ALL RWYS)**

HOUSTON, TEXAS
SID
JEPPESSEN
70-3D
EFFECTIVE 7 OCT 21

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CHANGES: KCXO Apt name.

HOUSTON Departure (R) 132.25	Apt Elev 96	Trans alt: 18000
		RNAV 1 DME/DME/IRU or GPS required
		RADAR required.

LURIC 8 RNAV DEPARTURE (LURIC8.LURIC) (ALL RWYS)

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
 Rws 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.

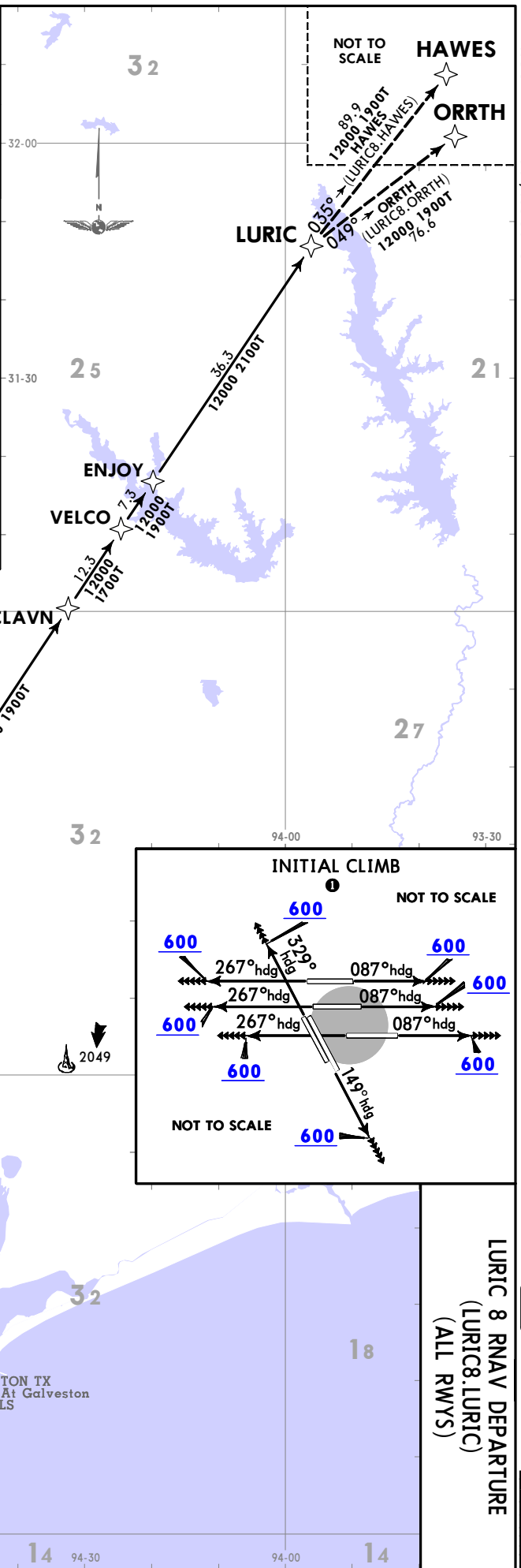
Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

RWY	INITIAL CLIMB	TOP ALTITUDE
8L/R, 9	Climb on heading 087° to 600 for RADAR vectors to KNTKY.	16000
15L/R	Climb on heading 149° to 600 for RADAR vectors to KNTKY.	
26L/R, 27	Climb on heading 267° to 600 for RADAR vectors to KNTKY.	
33L/R	Climb on heading 329° to 600 for RADAR vectors to KNTKY.	

TAKEOFF OBSTACLE NOTES
See TAKEOFF OBSTACLE NOTES page (70-30B).

ROUTING

From KNTKY on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on transition. MAINTAIN 16000 or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSENHOUSTON, TEXAS
8 JUL 22 (70-30) EFF 14 JUL
RNAV SID

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 8 JUL 22
70-35 Eff 14 JUL

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)
 127.125
 Apt Elev 96

Trans alt: 18000
 1. RADAR required. 2. RNAV 1.
 3. DME/DME/IRU or GPS required.
 4. For use during WEST flow at George Bush Intercontinental/Houston. For EAST flow file the GUMBY RNAV Departure.

MMUGS 4 RNAV DEPARTURE
(MMUGS4.MMUGS)

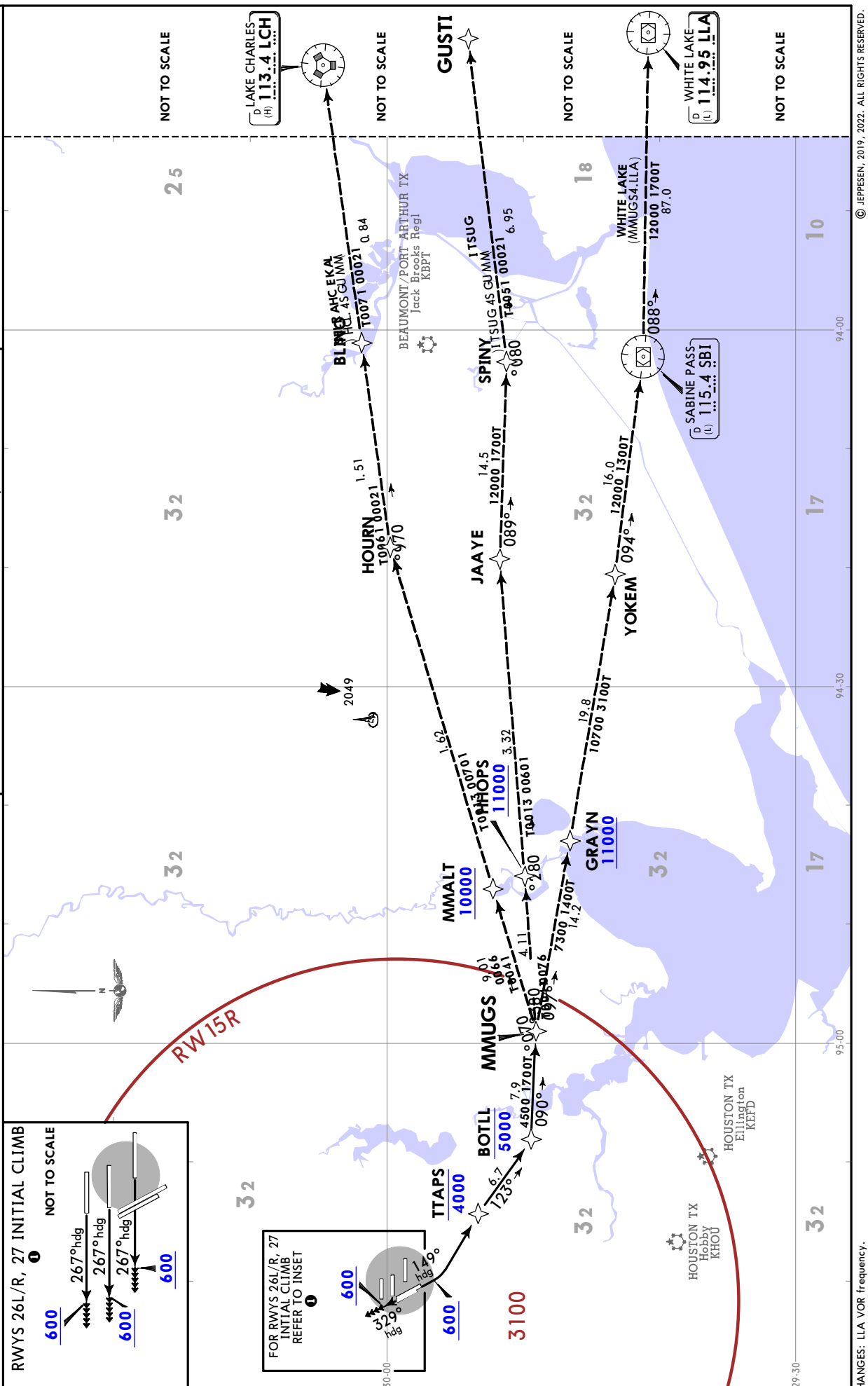
ROUTING

From BOTLL on track 090° to MMUGS, then on transition. MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure.

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
 Rwy 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 1200.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (70-30B).



RWYS 26L/R, 27 INITIAL CLIMB
 NOT TO SCALE

FOR RWYS 26L/R, 27 INITIAL CLIMB REFER TO INSET

HOUSTON TX Hobby KHOU
 HOUSTON TX Ellington KEFD

LAKE CHARLES (H) 113.4 ICH
 WHITE LAKE (MMUGS4.LLA) 114.95 LLA
 SABINE PASS (L) 115.4 SBI

BEAUMONT/PORT ARTHUR TX Jack Brooks Regl KBPT

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

KIAH/IAH
GEORGE BUSH
INTCNTL/HOUSTON

JEPPESSENHOUSTON, TEXAS
 5 JUL 24 (70-3T) **EFF 1 JUN** **SID**

HOUSTON Departure (R)
 127.125
 APT Elev 96
 Trans alt: 18000
 RADAR and DME required.

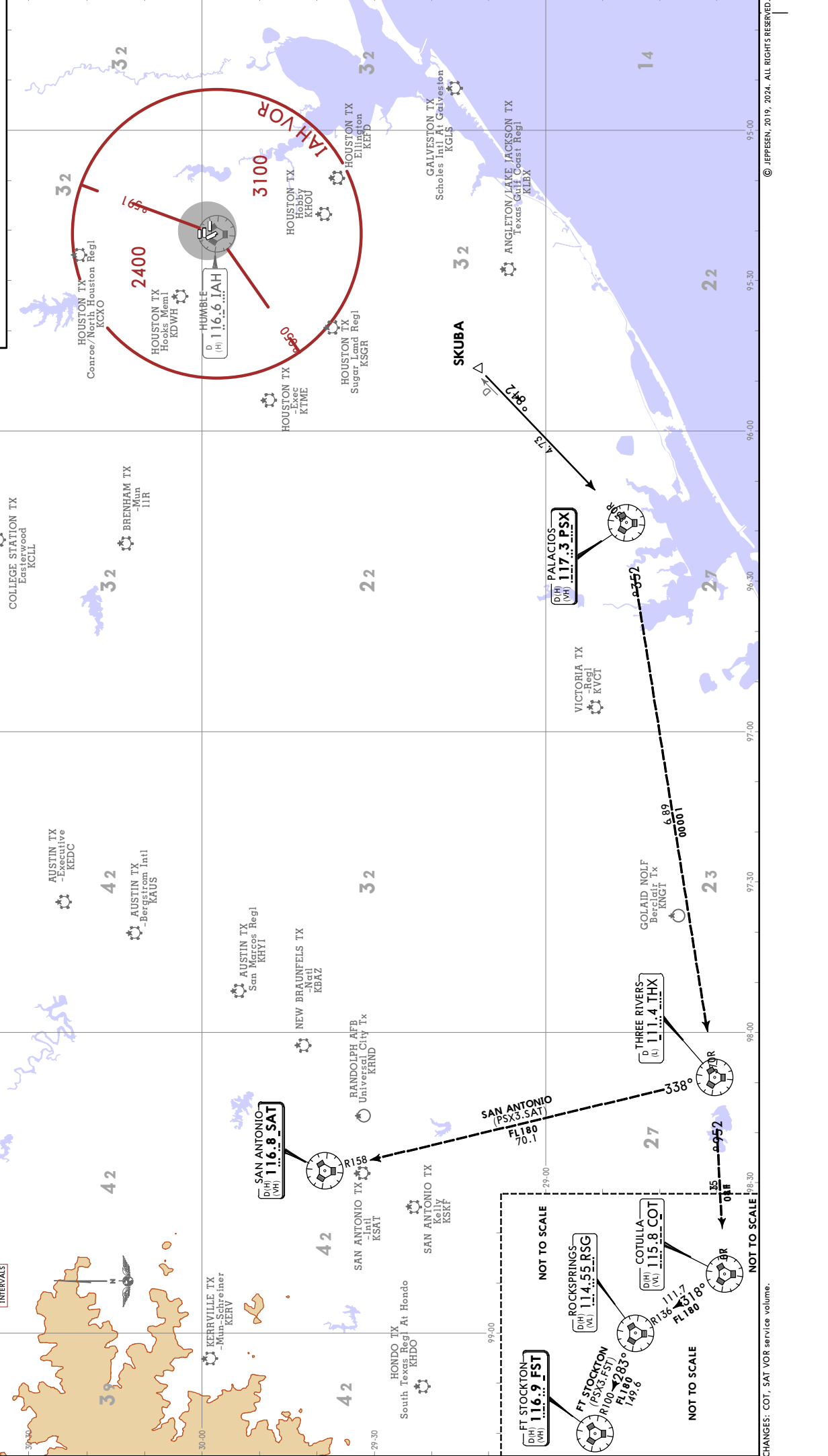
TAKE-OFF OBSTACLE NOTES
 See TAKE-OFF OBSTACLE NOTES page (70-30B).

TAKE-OFF MINIMUMS:
 Rwy 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

INITIAL CLIMB
 Climb on assigned heading for RADAR vectors to SKUBA. MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure. At SKUBA on PSX R038 to PSX VOR.

TOP ALTITUDE
 16000

PALACIOS 3 DEPARTURE
(PSX3.PSX)
(ALL RWYS)



KIAH/IAH
 GEORGE BUSH
 INTCNTL/HOUSTON

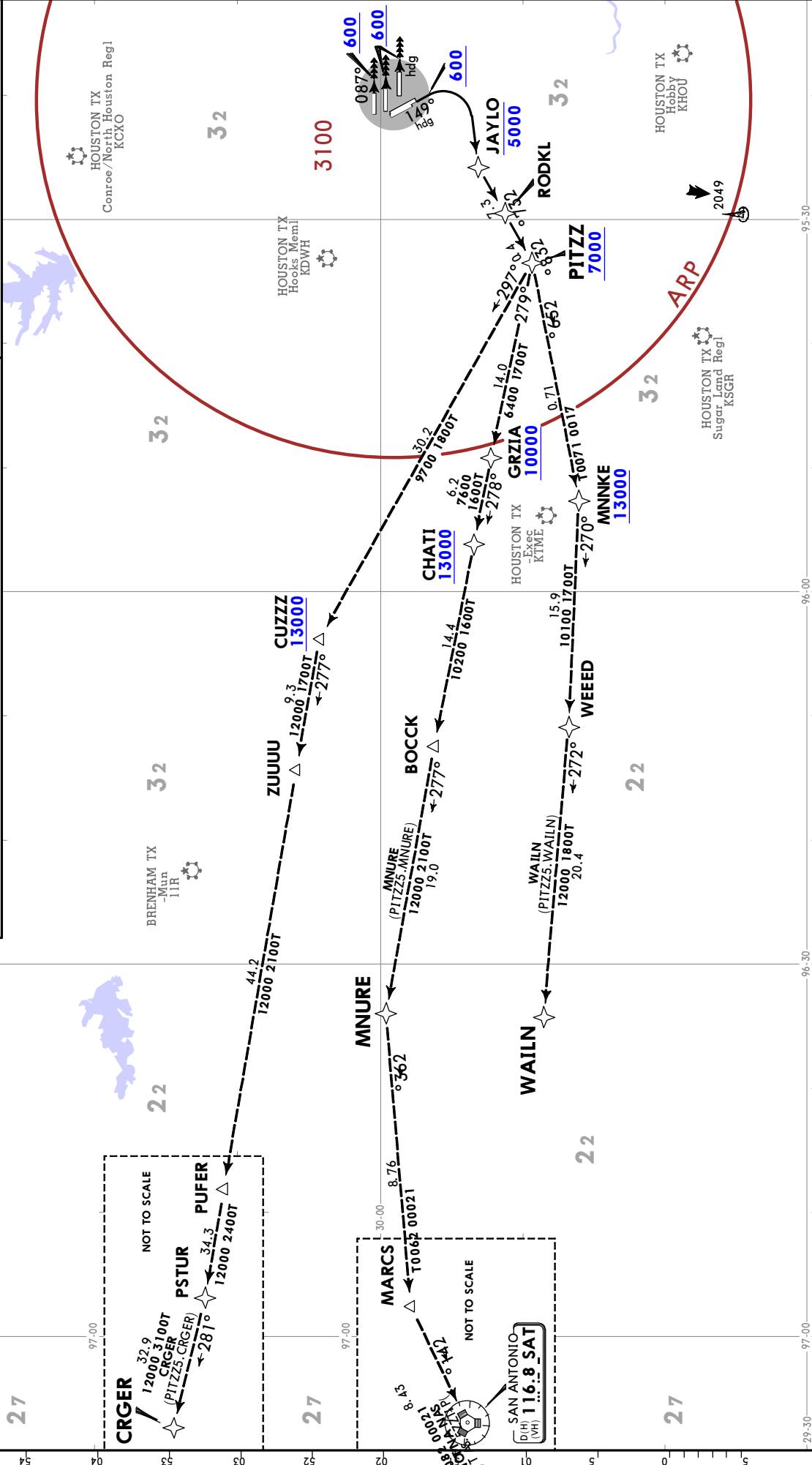
JEPPesen
 5 JUL 24 (70-3U) Eff 11 Jul

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)	126.675	Apt Elev	96
Trans alt: 18000		RNAV 1 - DME/DME/IRU or GPS required	
1. RADAR required. 2. RADAR required for non-GPS equipped aircraft. 3. For use during EAST flow at George Bush Intntl/Houston, for WEST flow file the BNDTO Houston Departure.			

PITZZ 5 RNAV DEPARTURE
 (PITZZ5.PITZZ)
 (RWYS 8L/R, 9, 15L/R)

TAKE-OFF OBSTACLE NOTES	
See TAKE-OFF OBSTACLE NOTES page (70-30B).	
TAKE-OFF MINIMUMS:	
Rwys 8L/R, 9, 15L/R: Standard with minimum climb of 500 FT/NM to 1500.	
Gnd speed-KT	75 100 150 200 250 300
500 FT/NM	625 833 1250 1667 2083 2500
INITIAL CLIMB	
8L/R, 9	Climb heading 087° to 600, EXPECT RADAR vectors to RODKL.
15L/R	Climb heading 149° to 600, then RIGHT turn direct to cross JAYLO at or below 5000, then on track 237° to RODKL.
TOP ALTITUDE	
16000	
ROUTING	
From RODKL on track 238° to cross PITZZ at or above 7000, then on transition. MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure.	



KIAH/IAH
GEORGE BUSH INTCNL/HOUSTON

HOUSTON Departure (R)
127.125

Apt Elev
96

Trans alt: 18000

RNAV 1 - DME/DME/IRU or GPS

RADAR required.

**RITAA 7 RNAV DEPARTURE
(RITAA7.RITAA)
(ALL RWYS)**

TAKEOFF OBSTACLE NOTES
See TAKEOFF OBSTACLE NOTES page (70-30B).

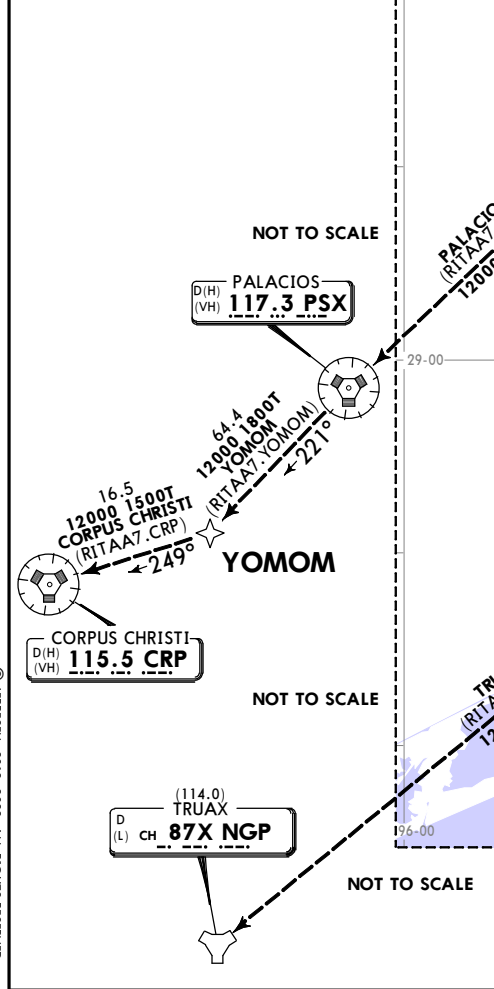
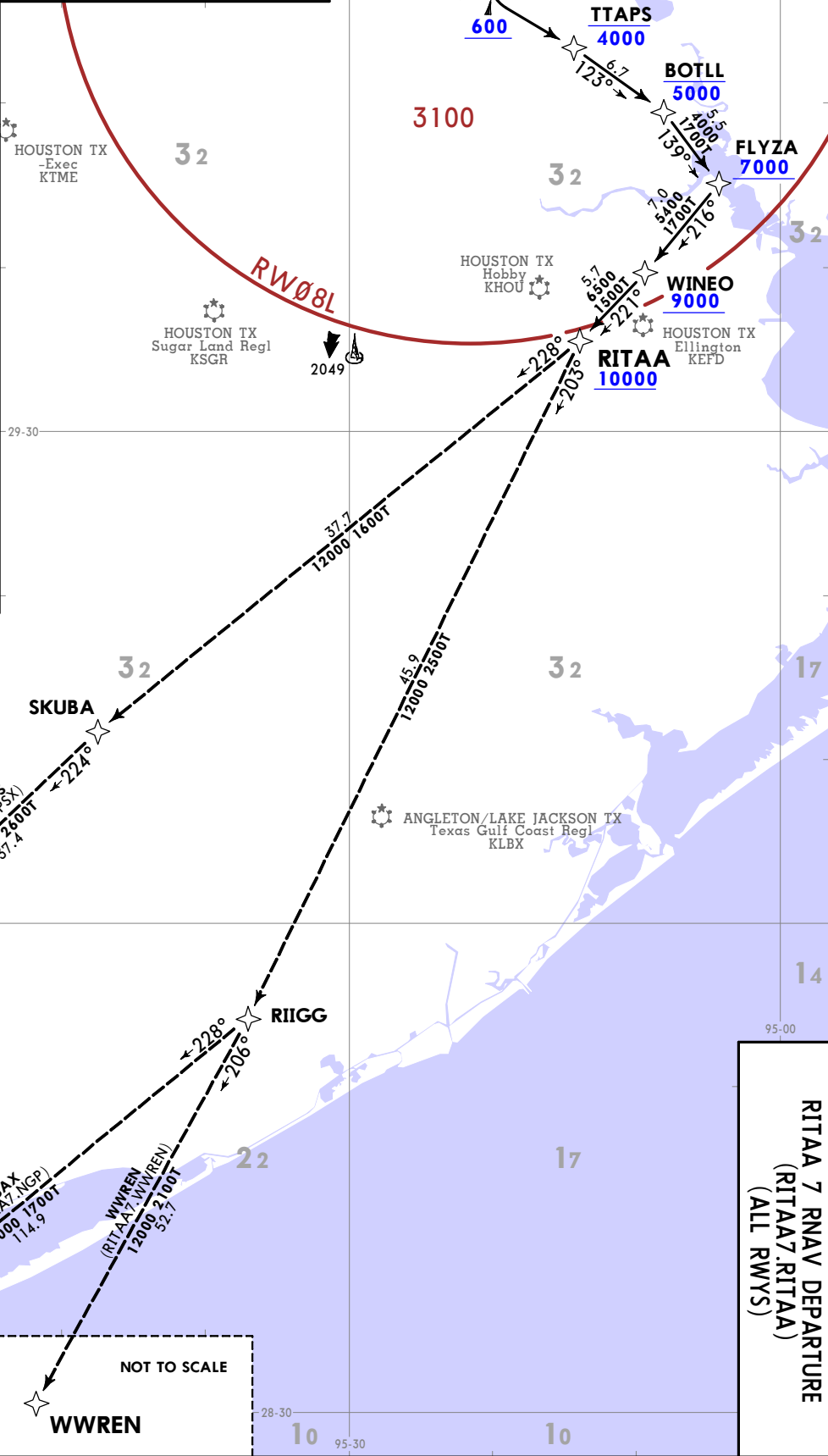
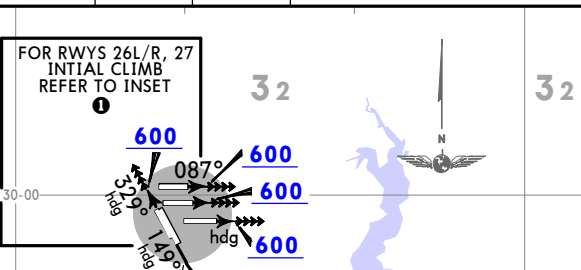
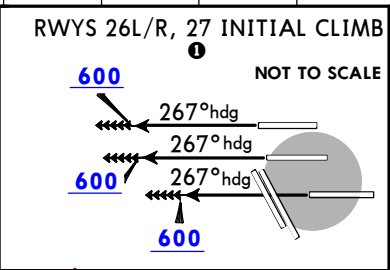
This SID requires takeoff minimums (for standard minimums, refer to airport chart):
Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 FT/NM to 800.

Gnd speed-KT	75	100	150	200	250	300
500 FT/NM	625	833	1250	1667	2083	2500

RWY	INITIAL CLIMB	TOP ALTITUDE
8L/R, 9	Climb on heading 087° to 600, for RADAR vectors to cross BOTLL at or below 5000.	16000
15L/R	Climb on heading 149° to 600, then LEFT turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000.	
26L/R, 27	Climb on heading 267° to 600, for RADAR vectors to cross BOTLL at or below 5000.	
33L/R	Climb on heading 329° to 600, for RADAR vectors to cross BOTLL at or below 5000.	

ROUTING

From BOTLL on track 139° to cross FLYZA at or above 7000, then on track 216° to cross WINEO at or above 9000, then on track 221° to cross RITAA at or above 10000, then on transition. MAINTAIN 16000. EXPECT filed altitude 10 minutes after departure.

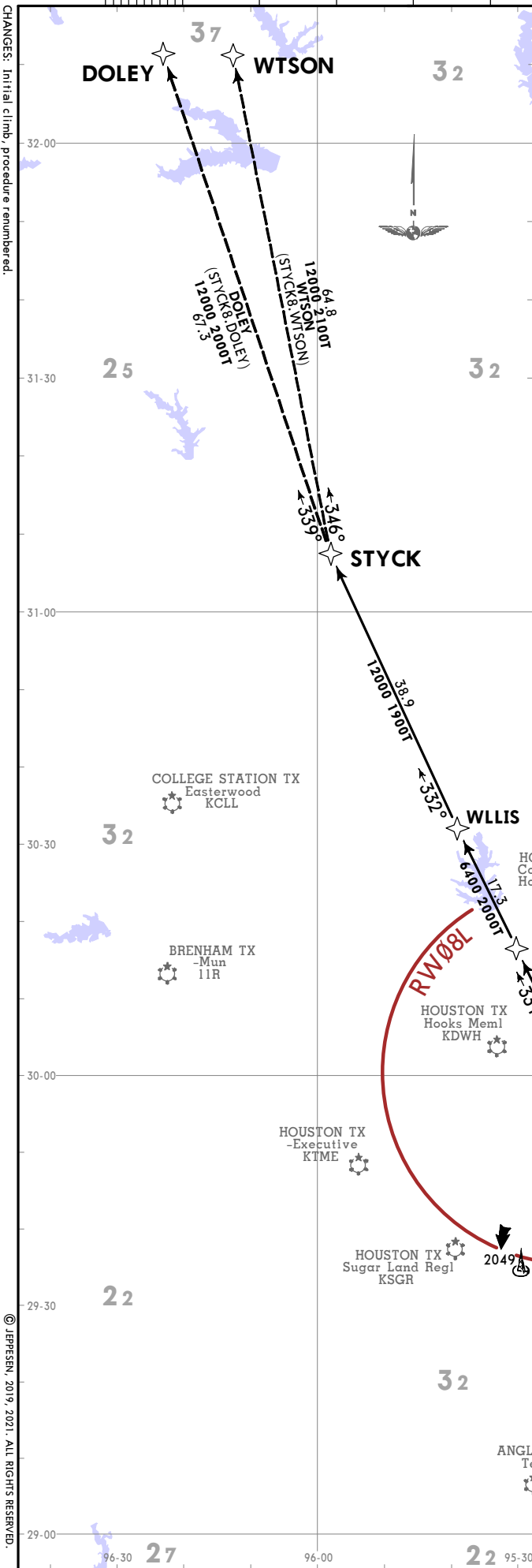


**RITAA 7 RNAV DEPARTURE
(RITAA7.RITAA)
(ALL RWYS)**

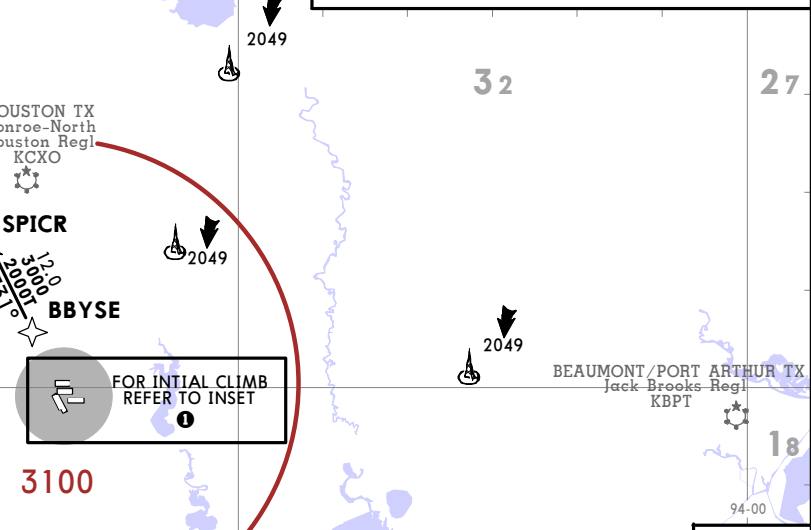
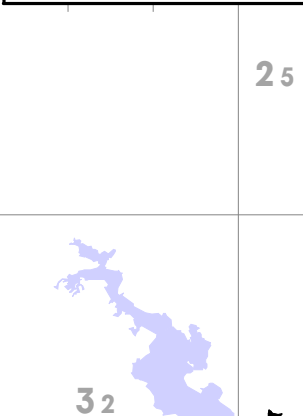
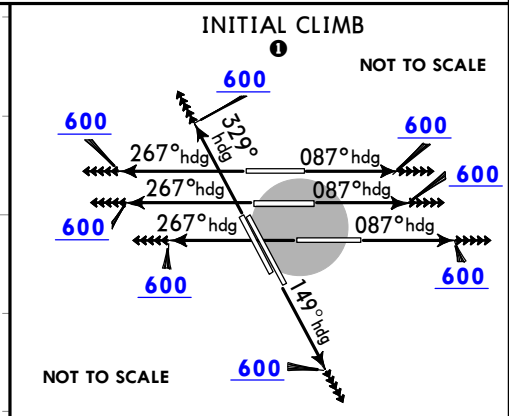
JEPPSENHOUSTON, TEXAS
2 SEP 22 (70-3V) Eff 8 Sep
RNAV SID

CHANGES: Procedure renumbered, MOCA from RITAA to RIIGG. © JEPPSEN, 2019, 2022. ALL RIGHTS RESERVED.

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GEORGE BUSH
INTERCONTINENTAL/HOUSTON



HOUSTON Departure (R) 132.25	Apt Elev 96	RNAV 1 DME/DME/IRU or GPS required RADAR required.	Trans alt: 18000														
STYCK 8 RNAV DEPARTURE (STYCK8.STYCK) (ALL RWYS)																	
This SID requires takeoff minimums (for standard minimums, refer to airport chart): Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.		TAKEOFF OBSTACLE NOTES See TAKEOFF OBSTACLE NOTES page (70-30B).															
		<table border="1"> <tr> <td>Gnd speed-KT</td> <td>75</td> <td>100</td> <td>150</td> <td>200</td> <td>250</td> <td>300</td> </tr> <tr> <td>500 per NM</td> <td>625</td> <td>833</td> <td>1250</td> <td>1667</td> <td>2083</td> <td>2500</td> </tr> </table>		Gnd speed-KT	75	100	150	200	250	300	500 per NM	625	833	1250	1667	2083	2500
Gnd speed-KT	75	100	150	200	250	300											
500 per NM	625	833	1250	1667	2083	2500											
INITIAL CLIMB		TOP ALTITUDE															
8L/R, 9	Climb on heading 087° to 600 for RADAR vectors to BBYSE.	16000															
15L/R	Climb on heading 149° to 600 for RADAR vectors to BBYSE.																
26L/R, 27	Climb on heading 267° to 600 for RADAR vectors to BBYSE.																
33L/R	Climb on heading 329° to 600 for RADAR vectors to BBYSE.																
ROUTING																	
From BBYSE on track 331° to SPICR, then on track 331° to WLLIS, then on track 332° to STYCK, then on transition. MAINTAIN 16000 or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.																	



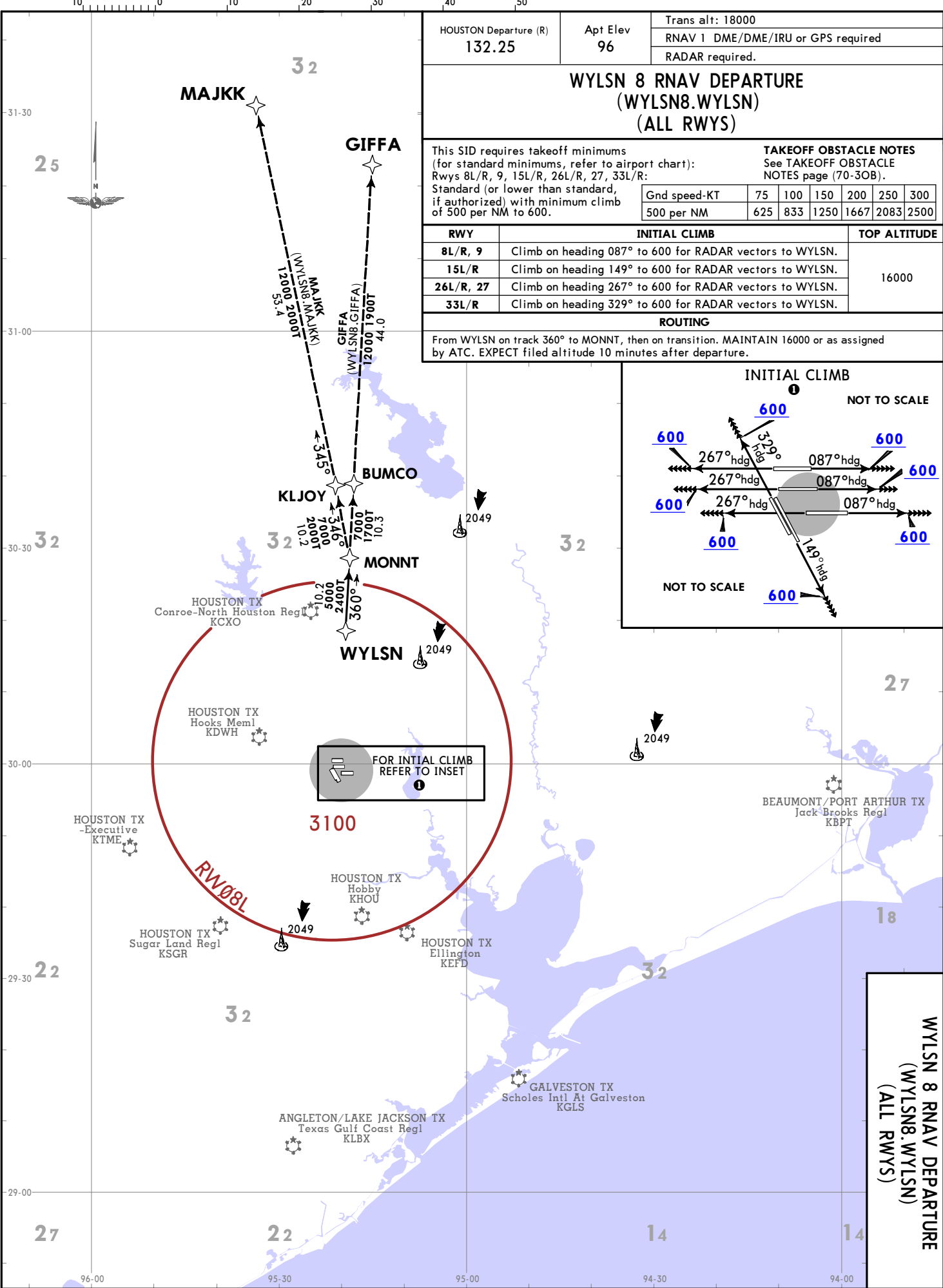
STYCK 8 RNAV DEPARTURE (STYCK8.STYCK) (ALL RWYS)	
FOR INITIAL CLIMB REFER TO INSET	

3100

1 OCT 21 (70-3X) EFF 7 Oct 1994

**JEPPesen HOUSTON, TEXAS
RNAV SID**

CHANGES: Initial climb, procedure renumbered.



KIAH/IAH
 GEORGE BUSH
 INTERCONTINENTAL/HOUSTON
 JEPPESEN
 (70-37) 1 OCT 21
 EFF 7 OCT 21
 HOUSTON, TEXAS
 RNAV SID

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KIAH/IAH

JEPPESSEN

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24

70-6

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (WEST 1 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

Runway 15L

"West 1"

Spots 1-3:

Runway 15L taxi via straight out and turn right taxiway WA, turn left taxiway WV.
Monitor tower 127.3 passing taxiway WD.

Spot 5:

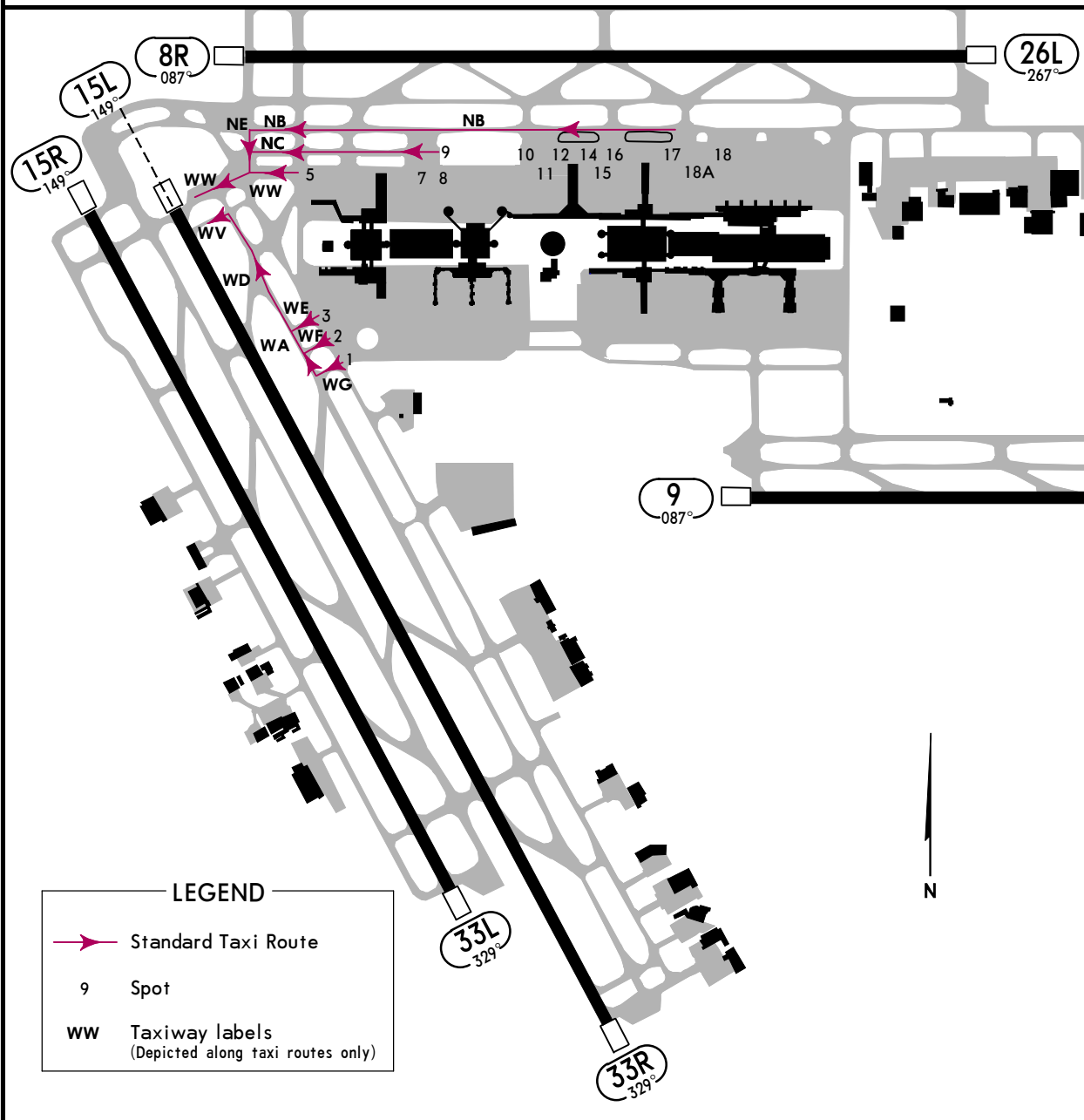
Runway 15L taxi via taxiway WW. Monitor tower 127.3 passing taxiway NE.

Spots 7-9:

Runway 15L taxi via taxiway NC. Turn left at taxiway NE, turn right on taxiway WW.
Monitor tower 127.3 on taxiway NE.

Spots 10-18A:

Runway 15L taxi via turn left taxiway NB, turn left taxiway NE, turn right taxiway WW. Monitor tower 127.3 on taxiway NE.



KIAH/IAH

JEPPESSEN

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24 (70-6A)

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (WEST 2 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

Runway 15R

"West 2"

Spots 1-3:

Runway 15R taxi via turn right taxiway WB, turn left taxiway NB, turn left taxiway WP, turn right taxiway WC. Monitor tower 127.3 on taxiway WP.

Spot 5:

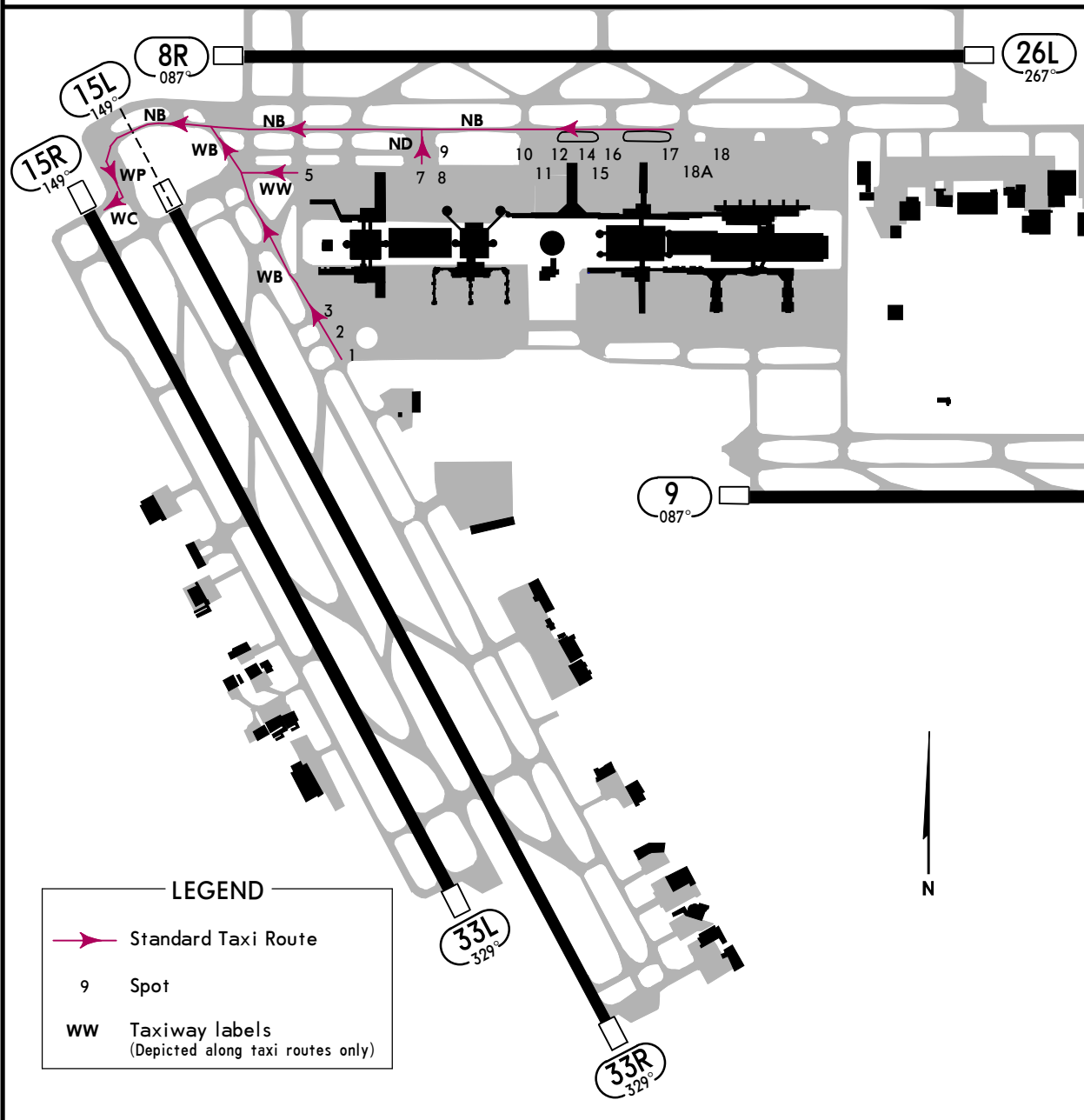
Runway 15R taxi via taxiway WW, turn right taxiway WB, turn left taxiway NB, turn left taxiway WP, turn right taxiway WC. Monitor tower 127.3 on taxiway WP.

Spots 7-9:

Runway 15R taxi via taxiway ND, turn left taxiway NB, turn left taxiway WP, turn right taxiway WC. Monitor tower 127.3 on taxiway WP.

Spots 10-18A:

Runway 15R taxi via turn left taxiway NB, turn left taxiway WP, turn right taxiway WC. Monitor tower 127.3 on taxiway WP.



KIAH/IAH

JEPPESSEN

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24

70-6B

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (SOUTH 1 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

Runway 33R

"South 1"

Spots 1-3:

Runway 33R taxi via straight out to turn left taxiway WA, turn right taxiway WN. Monitor tower 127.3 south of taxiway WL.

Spot 5:

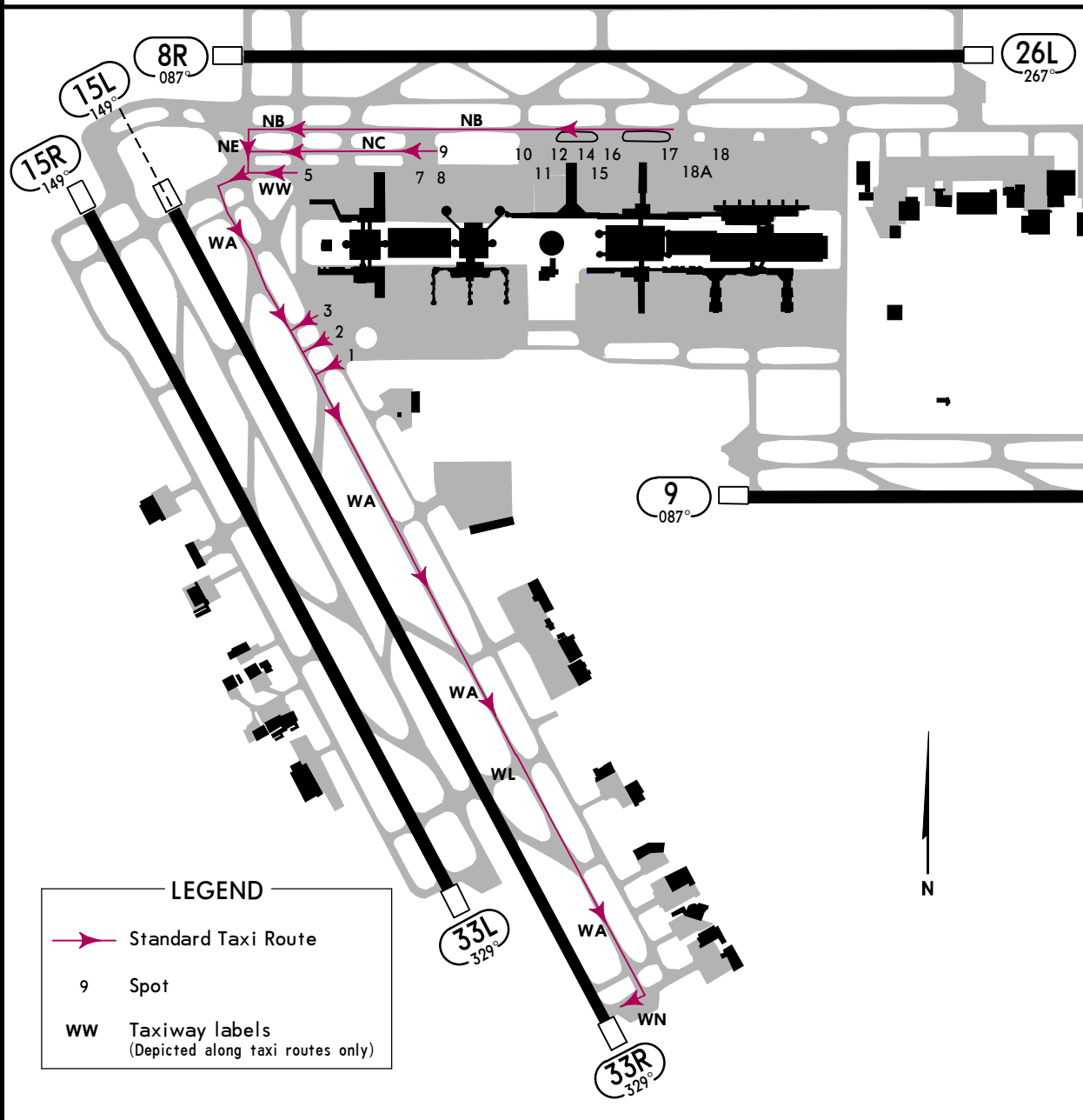
Runway 33R taxi via taxiway WW, turn left taxiway WA, turn right taxiway WN. Monitor tower 127.3 south of taxiway WL.

Spots 7-9:

Runway 33R taxi via taxiway NC, turn left taxiway NE, turn right taxiway WW, turn left taxiway WA, turn right taxiway WN. Monitor tower 127.3 south of taxiway WL.

Spots 10-18A:

Runway 33R taxi via turn left taxiway NB, turn left taxiway NE, turn right taxiway WW, turn left taxiway WA, turn right on taxiway WN. Monitor tower 127.3 south of taxiway WL.



KIAH/IAH

JEPPesen

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24 (70-6C)

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (SOUTH 2 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

Runway 33L

"South 2"

Spots 1-3:

Runway 33L taxi via turn right taxiway WB, turn left taxiway NB, turn left taxiway WP. Monitor tower 127.3 on taxiway WP.

Spot 5:

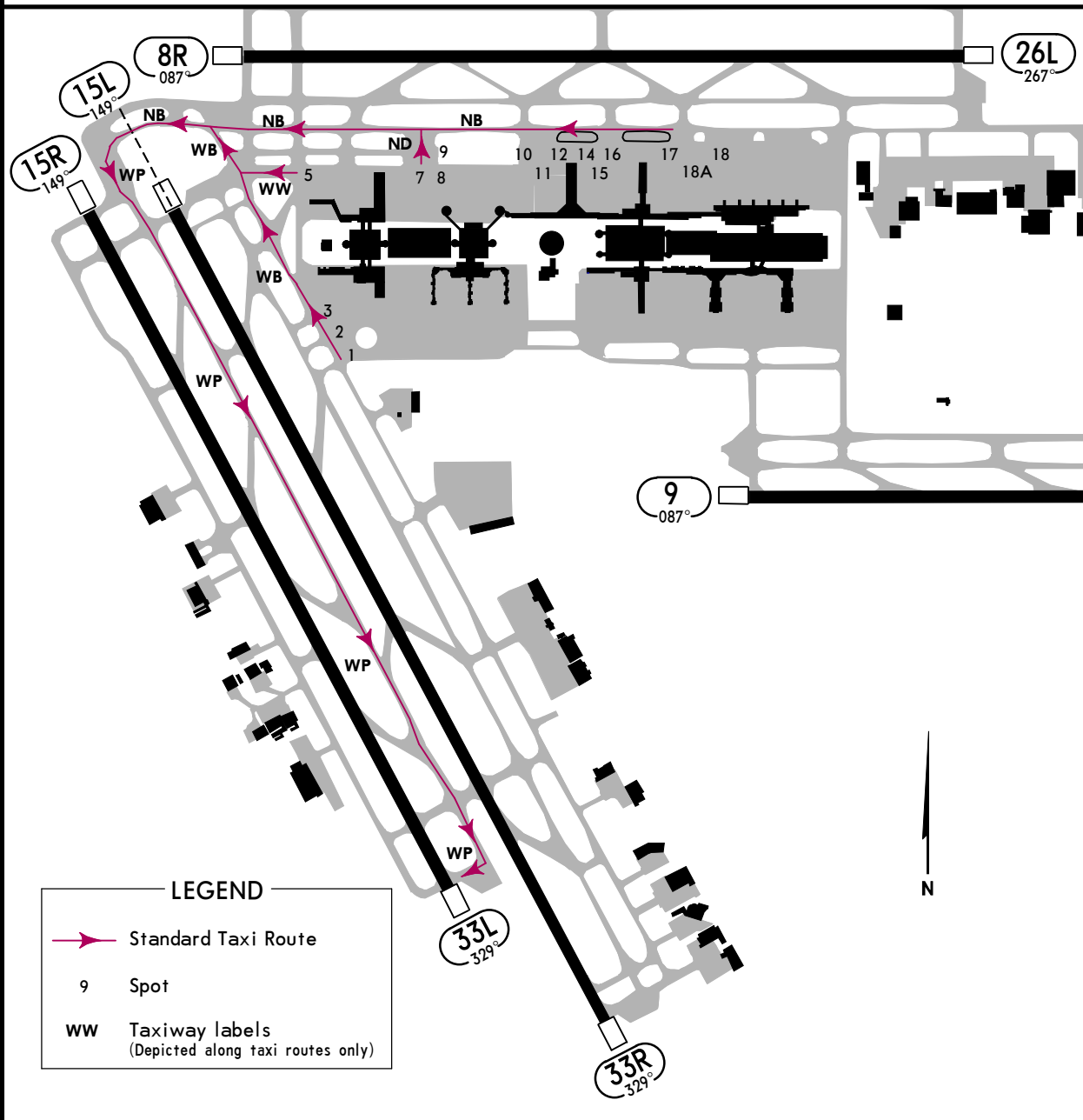
Runway 33L taxi via taxiway WW, turn right taxiway WB, turn left taxiway NB, turn left taxiway WP. Monitor tower 127.3 on taxiway WP.

Spots 7-9:

Runway 33L taxi via taxiway ND, turn left taxiway NB, turn left taxiway WP. Monitor tower 127.3 on taxiway WP.

Spots 10-18A:

Runway 33L taxi via turn left taxiway NB, turn left taxiway WP. Monitor tower 127.3 on taxiway WP.



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
5 JUL 24 (70-6D)

TAXI
HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (NORTH 1 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

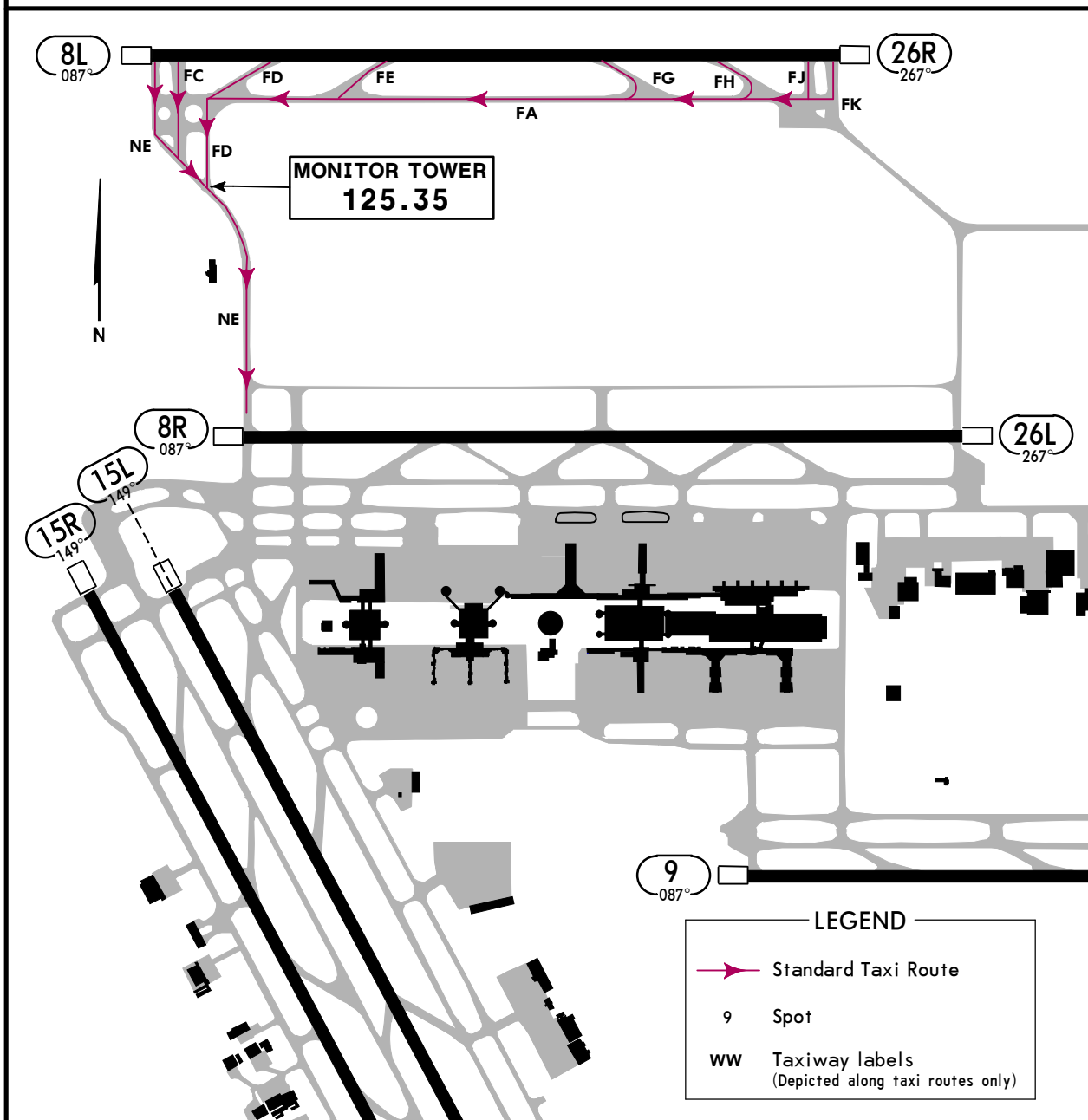
After Exiting Runway 8L/26R

"North 1, Hold Short of Runway 8R/26L"

After Exiting Runway 8L/26R

Taxi westbound on taxiway FA, turn left taxiway FD, join taxiway NE, then hold short of Rwy 8R/26L. Monitor tower 125.35 when joining taxiway NE.

READBACK OF "HOLD SHORT OF RUNWAY 8R/26L" REQUIRED



KIAH/IAH

JEPPESEN

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24

70-6E

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (NORTH 2 ROUTE)

When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

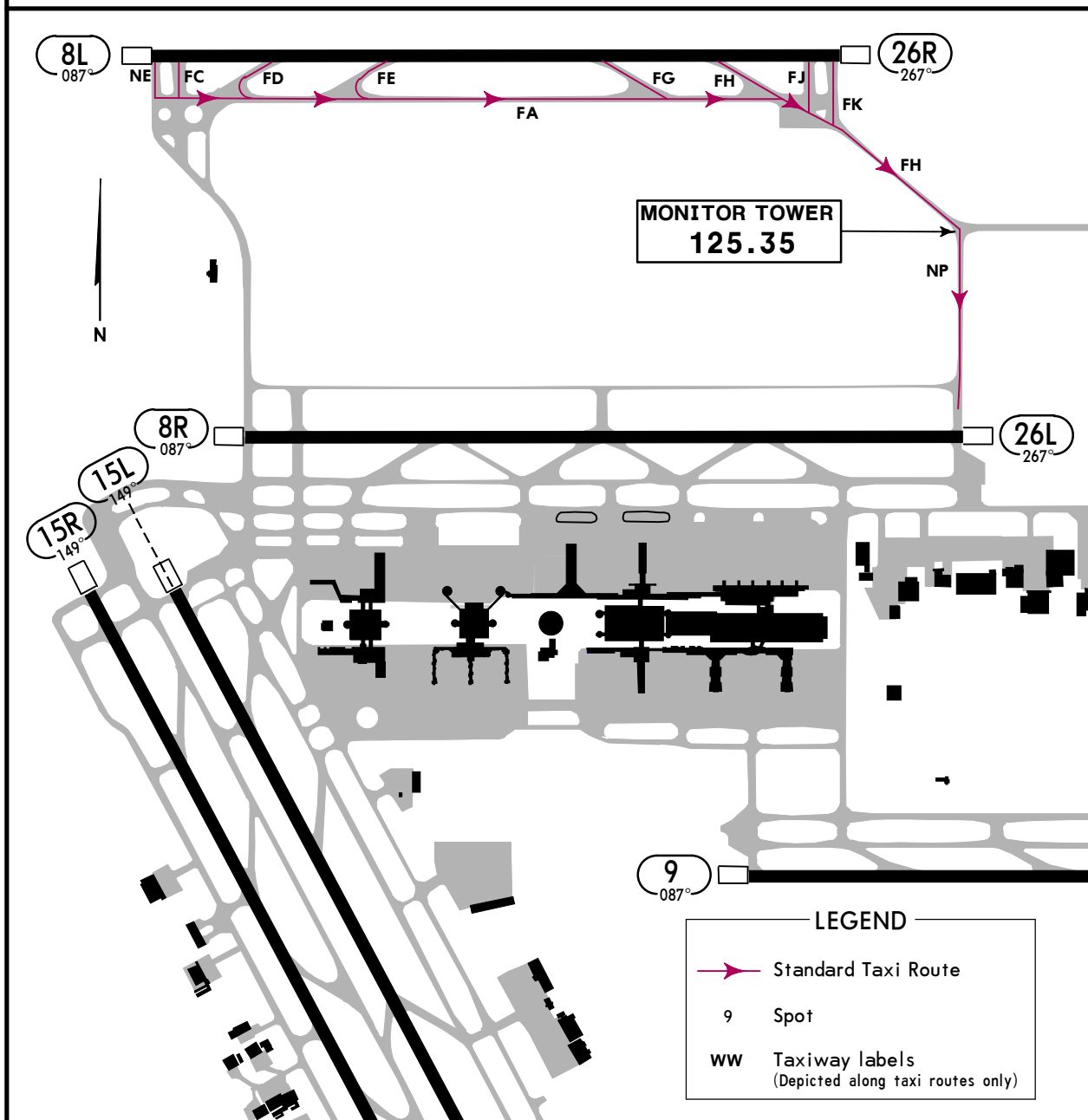
After Exiting Runway 8L/26R

"North 2, Hold Short of Runway 8R/26L"

After Exiting Runway 8L/26R

Taxi eastbound on taxiway FA, turn right taxiway FH, turn right taxiway NP, then hold short of Rwy 8R/26L. Monitor tower 125.35 when joining taxiway NP.

READBACK OF "HOLD SHORT OF RUNWAY 8R/26L" REQUIRED



KIAH/IAH

JEPPESSEN

TAXI

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

5 JUL 24

70-6F

HOUSTON, TEXAS

IAH STANDARD TAXI ROUTES (EAST CARGO ROUTE)

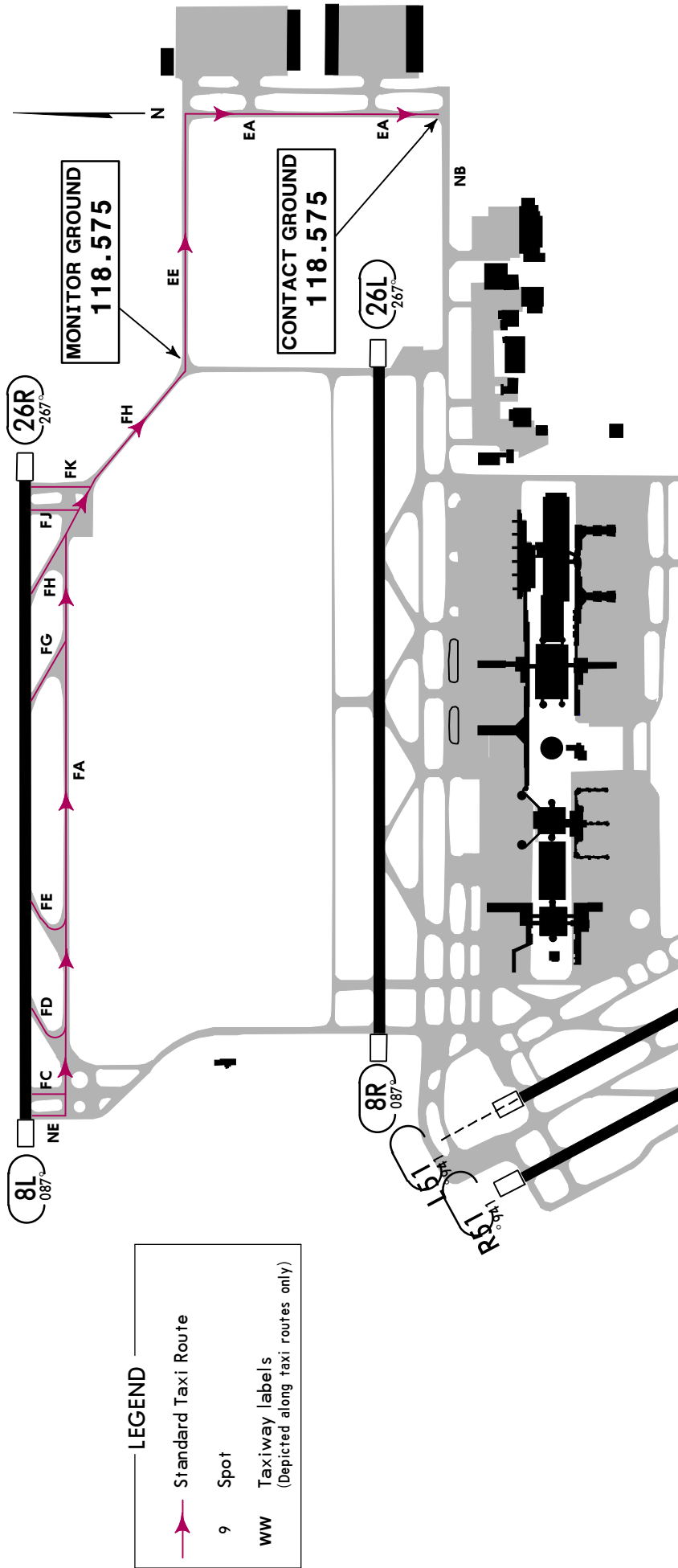
When issued standard taxi instructions by ground control, aircraft will comply with the following taxi routes unless otherwise directed by ATC.

After Exiting Runway 8L/26R

"East Cargo"

After Exiting Runway 8L/26R

Taxi eastbound on taxiway FA, turn right taxiway FH, turn left taxiway EE, turn right taxiway EA, then hold short of taxiway NB. Monitor ground 118.575 on taxiway EE, then contact ground on 118.575 when holding short of taxiway NB.



KIAH/IAH
 Apt Elev 96'
 MSL 59.1 W095.20.5

17 JAN 25 (70-9) Eff 23 Jan

HOUSTON, TEXAS
 GEORGE BUSH INTERCONTINENTAL/HOUSTON

D-ATIS 124.05	Data Com ACARS D-ATIS 124.05	HOUSTON Clearance 128.1	Ground Metering 119.95	Ground Rwy 15L/33R, 156/33L 121.7	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Tower Rwy 9/27 135.15	Rwys 15L/33R, 156/33L 127.3	HOUSTON Departure (R) North 132.25	East 133.6	South 127.125	North 130.825	East 131.275	West 121.625	International 131.300
------------------	---------------------------------------	----------------------------	---------------------------	--	-----------------------	----------------------	-----------------------------	-----------------------------------	--	---------------	------------------	------------------	-----------------	-----------------	--------------------------

CAUTION NOTES
 CAUTION: Be alert to runway crossing clearances. Readback of all runway holding instructions is required.

OPERATIONAL NOTES
 Rwy 9/27 closed to aircraft with wingspans 215' (66m) and above.
 Rwy 15L/33R magnetic anomalies may affect compass heading for take-off.
 The following movement areas are not visible from the tower:
 Portions of Twys WA & WB from Twy WH to the approach end of Rwy 33R; Twys WA & WB from Twy WD north for 400'; Twy WD from Twy WA to Twy NR; Twy NR; Twy WL from Rwy 15L to Twy WB and Twy WM.
 Helicopter hover and taxi restricted to hard surface movement areas only.

- 1 Twy NR between Twy NC and Twy WW closed to aircraft with wingspan more than 214' (65 m).
- 2 North ramp taxi lane between Twys NF & NR closed to aircraft with wingspans greater than 125' (38m).
- 3 Twy WW run up pad for Rwy 15L closed to aircraft with wingspans 135' (41m) and over.
- 4 Twy WW between Twy NR and Twy WB closed to aircraft with wingspan more than 214' (65m).
- 5 Twy NR closed to aircraft with wingspans greater than 125' (38m) between Twy WD and Twy WB.
- 6 Twy WC west of Rwy 15R/33L is restricted to aircraft with 118' (36m) wingspan and below.
- 7 Dual taxiway operations: Twy NK between NB and north ramp; West centerline restricted to aircraft with maximum wingspans of 125' (38m) and east centerline maximum wingspans of 214' (65m).
- 8 Twy NK between Twy NB and Terminal D Ramp simultaneous aircraft operations prohibited when middle taxi lane in use.
- 9 Twy NA lighting all between Twy WP and Twy NP not standard.
- 10 Twy SF between Twy NB and Taxilane RA is designated non-movement area.
- 11 Taxilanes RA, RB, RC, R2 and Twy SC North of Twy SB are designated non-movement areas operated by UAL ramp control.
- 12 Twy SF between Rwy 9/27 up to and including the East Bridge closed to aircraft with wingspan 215' (66m) and over.
- 13 Twy RC closed to aircraft with wingspans greater than 118' (35m).
- 14 Expressway lights paralleling Rwy 33R may be mistaken for Rwy lights on Rwy 15L-33R.
- 15 Twys WA and WB magnetic anomalies may affect compass heading.
- 16 Apron terminal alpha north ramp north-south taxi lane closed to aircraft with wingspans greater than 125' (38m).
- 17 Apron terminal alpha north ramp spot 5 closed to aircraft with wingspans greater than 118' (36m).
- 18 Apron terminal alpha north ramp east-west taxi lane closed to aircraft with wingspans greater than 118' (36m).
- 19 Apron terminal alpha north ramp spot 6 closed to aircraft with wingspans greater than 125' (38m).
- 20 Twy WD between Twy NR and Twy WB closed to aircraft with wingspans greater than 171' (52m).
- 21 Twy NJ between Twy NB and Terminal C Ramp simultaneous aircraft operations prohibited when middle taxi lane in use, middle taxi lane closed to aircraft wingspan more than 214' (65m).
- 22 Dual taxiway operations Twy NJ between Twy NB & Terminal C Ramp; west centerline restricted to aircraft max wing spans 118' (36m) & east centerline max wing spans 118' (36m).

TAKE-OFF OBSTACLE NOTES

Rwy 8L: Tree 2866' from DER, 921' left of centerline, 107' AGL/201' MSL. Multiple trees beginning 2750' from DER, 106' right of centerline, up to 80' AGL/174' MSL.

Rwy 15L: Multiple trees 2638' from DER, 758' right of centerline, up to 76' AGL/160' MSL.

Rwy 15R: Tower 1431' from DER, 591' left of centerline, 48' AGL/133' MSL. Antenna on glideslope 1469' from DER, 621' left of centerline, 49' AGL/133' MSL.

Rwy 26R: Pole 950' from DER, 660' right of centerline, 40' AGL/129' MSL.

Rwy 33R: Tree 2868' from DER, 1027' right of centerline, 73' AGL/172' MSL.

GENERAL

Birds on and in vicinity of airport.

Wildlife hazardous bats in vicinity of KIAH.

Terminal Doppler Weather Radar.

ASDE-X in use. Operate transponder with altitude reporting mode and ADS-B (if equipped) enabled on all airport surfaces.

Runway Status Lights are in operation.

9' AGL unmarked security fence adjacent to FBO and corporate base operator ramps and nonmovement area taxi lines.

Pilots and crews should be aware of departure turns on course in excess of 180°. Pilot read back of direction of turn is highly encouraged.

ADDITIONAL RUNWAY INFORMATION

RWY	HIRL CL ALSF-II TDZ	grooved RVR	LANDING BEYOND—		LAHSO Distance	TAKE OFF WIDTH
			Threshold	Glide Slope		
8L	HIRL CL ALSF-II TDZ	grooved RVR	7860/2396m	7860/2396m		150' 46m
8R	HIRL CL MALSR TDZ ① PAPI-L	grooved RVR	8362/2549m	8362/2549m	Twy NP 9019/2749m	150' 46m
	26L HIRL CL ALSF-II TDZ ① PAPI-R	grooved RVR	8360/2548m	8360/2548m	Twy NE 9010/2746m	
	① Angle 3.0°.					
9	HIRL CL MALSR ② PAPI-R	grooved RVR	8935/2723m	8935/2723m		150' 46m
	27 HIRL CL ALSF-II TDZ ② PAPI-L	grooved RVR	8965/2733m	8965/2733m		
	② Angle 3.0°.					
15L	HIRL CL PAPI-R (angle 3.00°)	grooved RVR				150' 46m
	33R HIRL CL MALSR	grooved RVR	10.970/3344m			
15R	HIRL CL MALSR TDZ ③ PAPI-L	grooved RVR	8874/2705m			150' 46m
	33L HIRL CL TDZ ③ PAPI-R	grooved RVR				
	③ Angle 3.0°.					

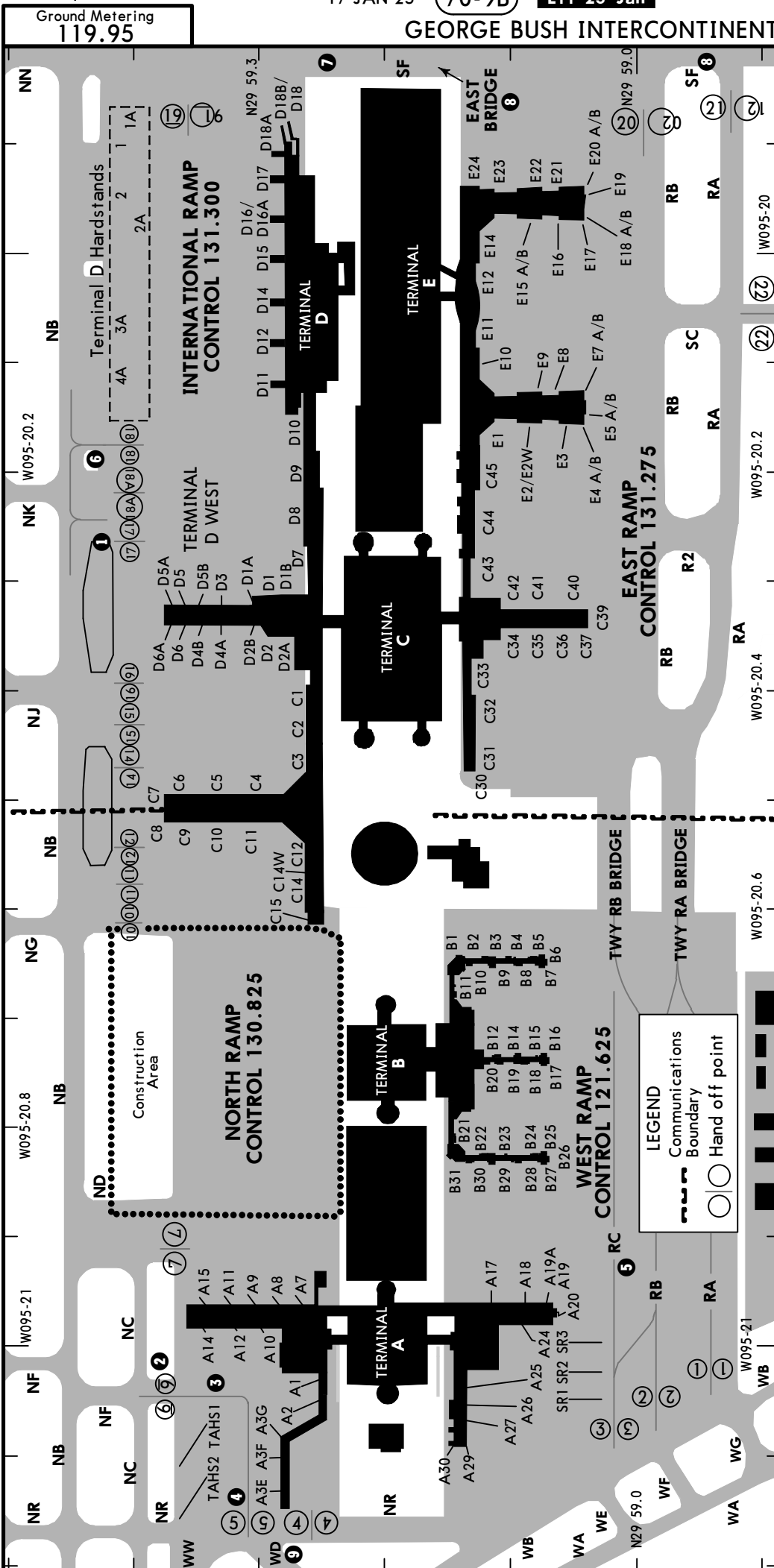
TERPS		TAKE-OFF		All Rwys	
LOWER THAN STANDARD		LOWER THAN STANDARD		STANDARD	
Op-Spec Authorization Required		Op-Spec Authorization Required		Op-Spec Authorization Required	
2 operating RVRs are required.		2 operating RVRs are required.		2 operating RVRs are required.	
All operating RVRs are controlling.		All operating RVRs are controlling.		All operating RVRs are controlling.	
CL & HIRL	RCLM & HIRL	RCLM (day/night) or CL or HIRL	Adequate Vis Ref	RCLM or CL or HIRL or Adequate Vis Ref	
TDZ RVR 5	TDZ RVR 10	TDZ RVR 12	TDZ RVR 16	3 & 4 Eng	1 & 2 Eng
Mid RVR 5	Mid RVR 10	Mid RVR 12	(if TDZ inop) MID RVR 16	RVR 24 or 1/2	RVR 50 or 1
Rollout RVR 5	Rollout RVR 10	Rollout RVR 10	or 1/4		
FOR FILING AS ALTERNATE		FOR FILING AS ALTERNATE		FOR FILING AS ALTERNATE	
ILS Rwy 8R	LOC Rwy 8R	LOC Rwy 8L	LOC Rwy 8L	LOC Rwy 8R	LOC Rwy 8R
ILS Rwy 8L	LOC Rwy 8L	ILS Rwy 8L	ILS Rwy 8L	ILS Rwy 8L	ILS Rwy 8L
ILS Rwy 9	LOC Rwy 9	ILS Rwy 9	ILS Rwy 9	ILS Rwy 9	ILS Rwy 9
ILS Rwy 15R	LOC Rwy 15R	ILS Rwy 15R	ILS Rwy 15R	ILS Rwy 15R	ILS Rwy 15R
ILS Rwy 26L	LOC Rwy 26L	ILS Rwy 26L	ILS Rwy 26L	ILS Rwy 26L	ILS Rwy 26L
ILS Rwy 26R	LOC Rwy 26R	ILS Rwy 26R	ILS Rwy 26R	ILS Rwy 26R	ILS Rwy 26R
ILS Rwy 33R	LOC Rwy 33R	ILS Rwy 33R	ILS Rwy 33R	ILS Rwy 33R	ILS Rwy 33R
RNAV (GPS) Z Rwy 8L	RNAV (GPS) Z Rwy 8L	RNAV (GPS) Z Rwy 8L	RNAV (GPS) Z Rwy 8L	RNAV (GPS) Z Rwy 8L	RNAV (GPS) Z Rwy 8L
RNAV (RNP) Y Rwy 8L	RNAV (RNP) Y Rwy 8L	RNAV (RNP) Y Rwy 8L	RNAV (RNP) Y Rwy 8L	RNAV (RNP) Y Rwy 8L	RNAV (RNP) Y Rwy 8L
RNAV (RNP) Y Rwy 8R	RNAV (RNP) Y Rwy 8R	RNAV (RNP) Y Rwy 8R	RNAV (RNP) Y Rwy 8R	RNAV (RNP) Y Rwy 8R	RNAV (RNP) Y Rwy 8R
RNAV (RNP) Y Rwy 9	RNAV (RNP) Y Rwy 9	RNAV (RNP) Y Rwy 9	RNAV (RNP) Y Rwy 9	RNAV (RNP) Y Rwy 9	RNAV (RNP) Y Rwy 9
RNAV (RNP) Y Rwy 15R	RNAV (RNP) Y Rwy 15R	RNAV (RNP) Y Rwy 15R	RNAV (RNP) Y Rwy 15R	RNAV (RNP) Y Rwy 15R	RNAV (RNP) Y Rwy 15R
RNAV (RNP) Y Rwy 26L	RNAV (RNP) Y Rwy 26L	RNAV (RNP) Y Rwy 26L	RNAV (RNP) Y Rwy 26L	RNAV (RNP) Y Rwy 26L	RNAV (RNP) Y Rwy 26L
RNAV (RNP) Y Rwy 26R	RNAV (RNP) Y Rwy 26R	RNAV (RNP) Y Rwy 26R	RNAV (RNP) Y Rwy 26R	RNAV (RNP) Y Rwy 26R	RNAV (RNP) Y Rwy 26R
RNAV (RNP) Y Rwy 33R	RNAV (RNP) Y Rwy 33R	RNAV (RNP) Y Rwy 33R	RNAV (RNP) Y Rwy 33R	RNAV (RNP) Y Rwy 33R	RNAV (RNP) Y Rwy 33R
600-2	800-2	NA	NA	NA	NA

KIAH/IAH

17 JAN 25 **70-9B** Eff 23 Jan

HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON

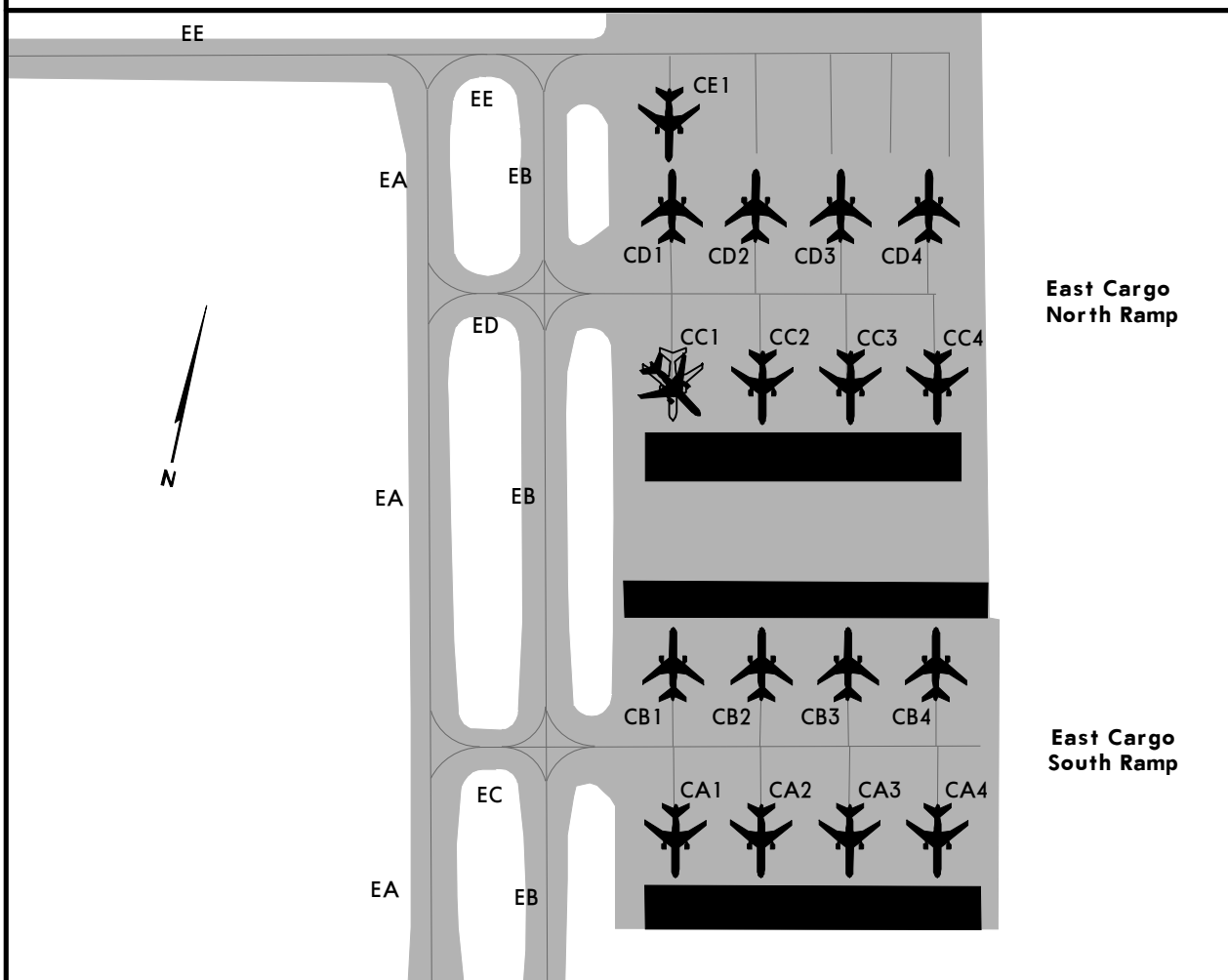
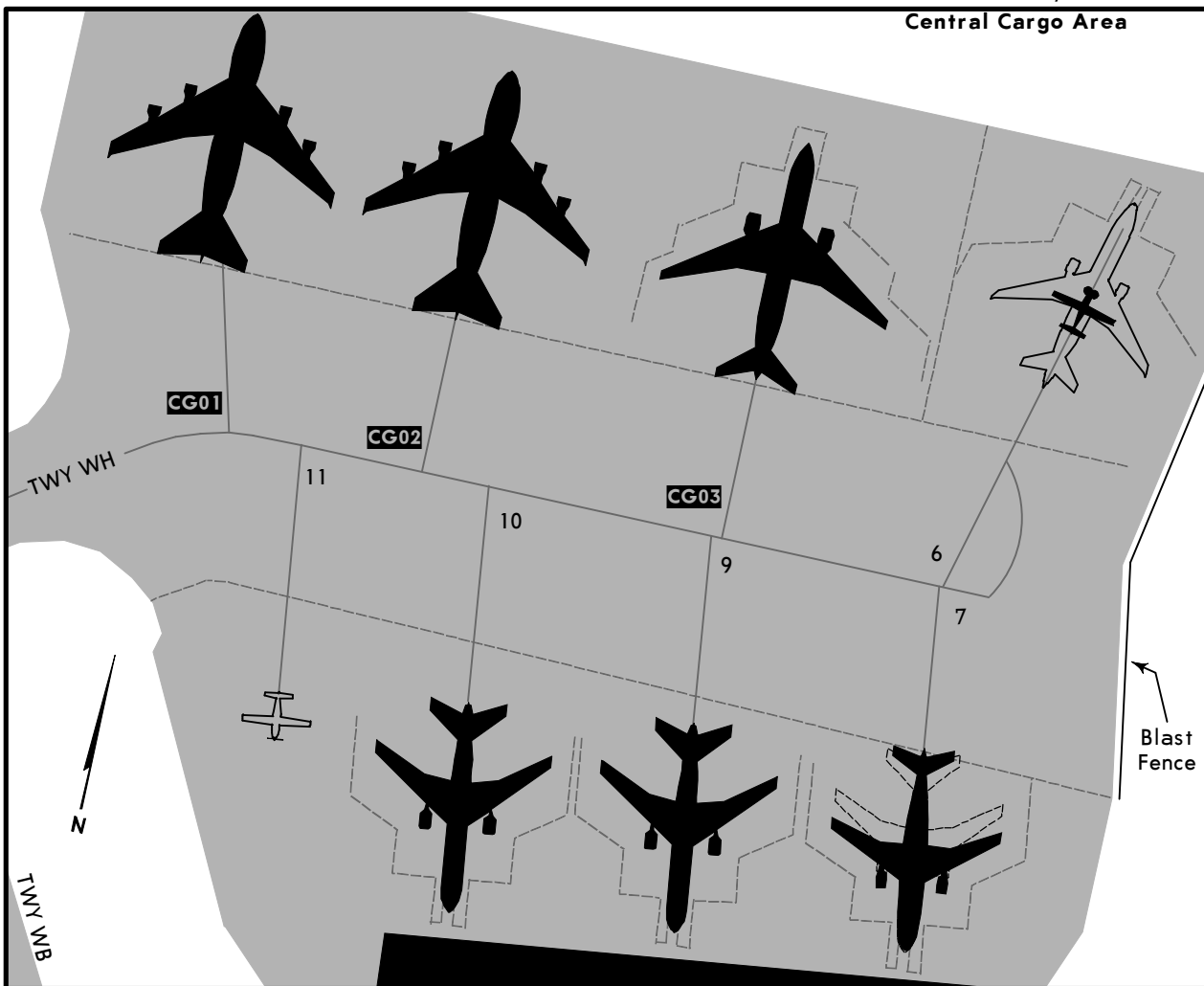


- ① Twy NK between Twy NB and Terminal D ramp is open to dual taxi operations.
- ② Twy NK between Twy NB and Terminal D Ramp simultaneous aircraft operations prohibited when middle taxi lane in use.
- ③ Twy SF between Twy NB and Taxi lane RA is designated non-movement area.
- ④ Twy SF between Rwy 9/27 up to and including the East Bridge closed to aircraft with wingspan 215' (66m) and greater.
- ⑤ Twy WD between Twy NR and Twy WB closed to aircraft wingspan more than 118' (36m).
- ⑥ Twy RC closed to aircraft with wingspans greater than 118' (36m).
- ⑦ Twy NK between Twy NB and Terminal D Ramp simultaneous aircraft operations prohibited when middle taxi lane in use.
- ⑧ Twy SF between Twy NB and Taxi lane RA is designated non-movement area.
- ⑨ Twy SF between Rwy 9/27 up to and including the East Bridge closed to aircraft with wingspan 215' (66m) and greater.
- ⑩ Twy WD between Twy NR and Twy WB closed to aircraft wingspan more than 171' (52m).

CHANGES: International ramp frequency added.

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Central Cargo Area

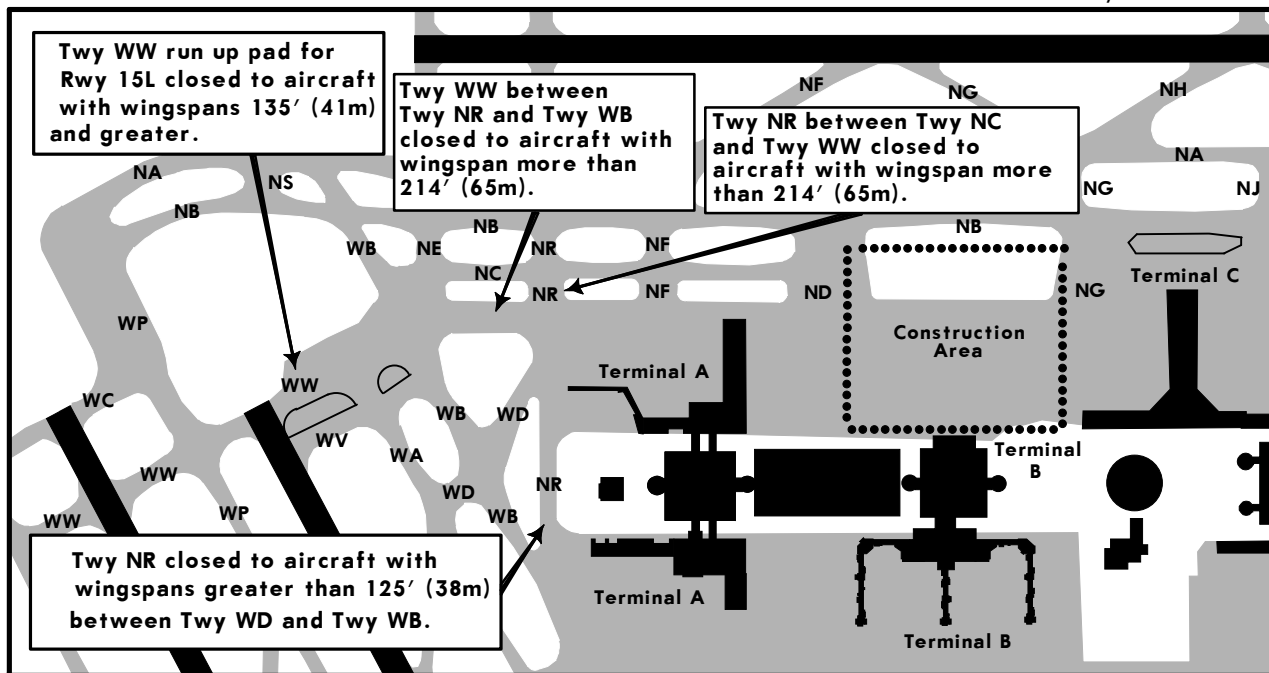


KIAH/IAH

8 NOV 24 **70-9C**

HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON



PARKING GATE COORDINATES

GATE	COORDINATES	GATE	COORDINATES
TERMINAL A		TERMINAL D WEST	
1	N29 59.3 W095 21.0	1, 1A/B	N29 59.3 W095 20.3
2, 3E, 3F, 3G	N29 59.3 W095 21.1	2, 2A	N29 59.3 W095 20.4
7 thru 12, 14, 15	N29 59.3 W095 21.0	2B, 3, 4A	N29 59.3 W095 20.3
17, 18, 19, 19A	N29 59.1 W095 21.0	4B, 5B	N29 59.3 W095 20.3
20, 24, 25	N29 59.1 W095 21.0	5, 5A, 6, 6A	N29 59.4 W095 20.3
26, 27, 29, 30	N29 59.1 W095 21.1	TERMINAL D (INTERNATIONAL)	
TAHS1, TAHS2	N29 59.3 W095 21.0	7	N29 59.3 W095 20.3
TERMINAL B		8 thru 10	N29 59.3 W095 20.2
1 thru 6	N29 59.1 W095 20.6	11, 12	N29 59.3 W095 20.1
7 thru 12	N29 59.1 W095 20.7	14 thru 16A	N29 59.3 W095 20.0
14 thru 20	N29 59.1 W095 20.7	17 thru 18A, 18B	N29 59.3 W095 19.9
21 thru 31	N29 59.1 W095 20.8	TERMINAL D HARDSTANDS	
TERMINAL C		1, 1A, 2	N29 59.4 W095 19.9
1, 2	N29 59.3 W095 20.4	2A	N29 59.4 W095 20.0
3 thru 5	N29 59.3 W095 20.5	3A, 4A	N29 59.4 W095 20.1
6 thru 9	N29 59.4 W095 20.5	TERMINAL E	
10, 11	N29 59.3 W095 20.5	1, 2 A/B, 3	N29 59.1 W095 20.2
12 thru 15	N29 59.3 W095 20.6	4 A/B	N29 59.0 W095 20.2
30, 31	N29 59.1 W095 20.5	5 A/B, 6, 7 A/B	N29 59.0 W095 20.1
32, 33	N29 59.1 W095 20.4	8, 9, 10 A/B, 11	N29 59.1 W095 20.1
34 thru 36	N29 59.1 W095 20.3	12, 14, 15 A/B, 16	N29 59.1 W095 20.0
37, 39, 40	N29 59.0 W095 20.3	17, 18 A/B	N29 59.0 W095 20.0
41 thru 43	N29 59.1 W095 20.3	19, 20 A/B	N29 59.0 W095 19.9
44, 45	N29 59.1 W095 20.2	21 thru 24	N29 59.1 W095 19.9
		SOUTH RAMP	
		SR1, SR2, SR3	N29 59.1 W095 21.0

KIAH/IAH

GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPESEN
17 JAN 25 (70-9D) Eff 23 Jan

SMGCS

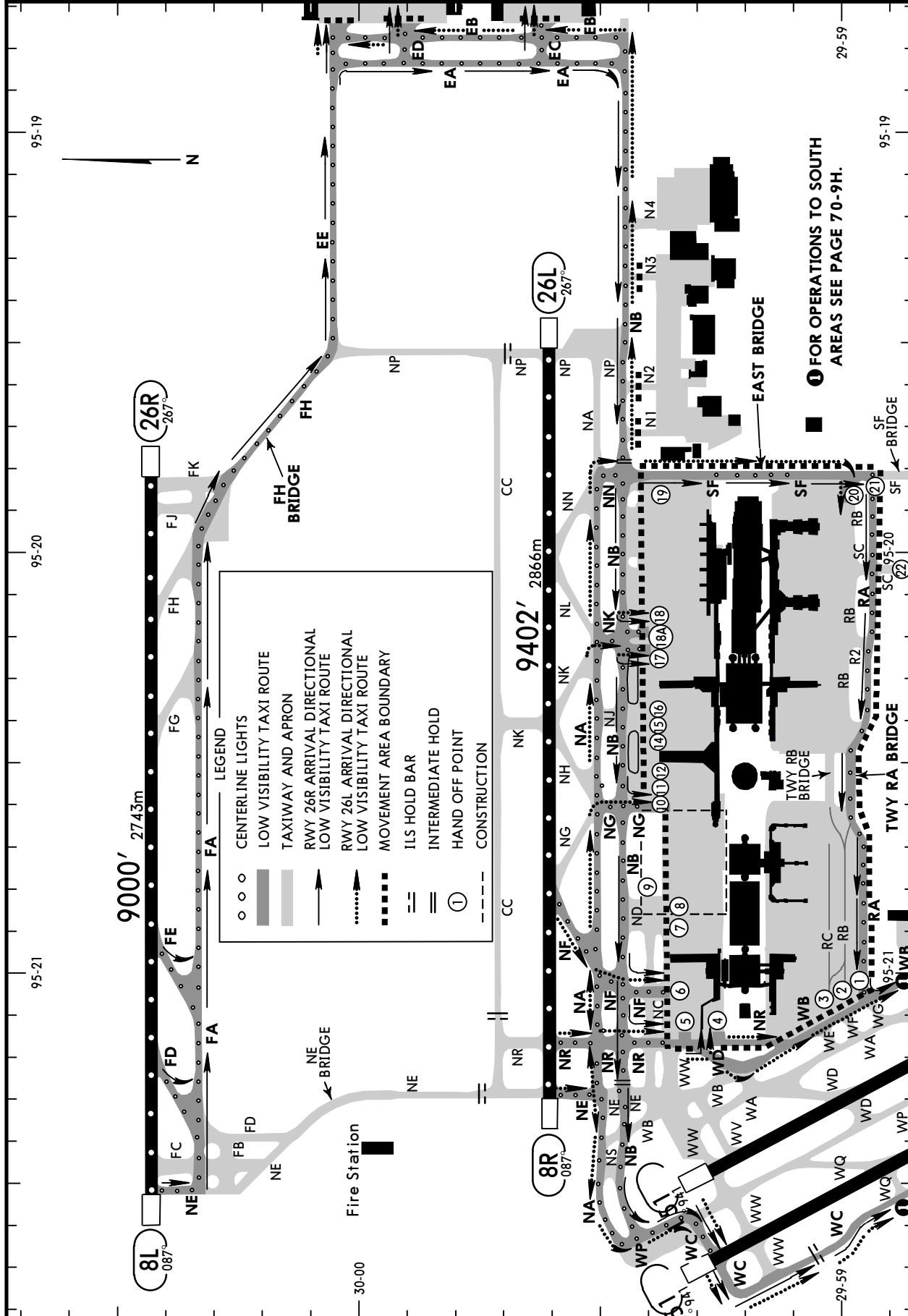
HOUSTON, TEXAS

LOW VISIBILITY TAXI ROUTES

RVR 1200 TO 600

RWY 26L & 26R ARRIVAL

D-ATIS 124.05	Data Comm ACARS: D-ATIS PDC TWIP	CPDLC: DCL	HOUSTON Approach (R) West 124.35 East 120.05		Tower			
Rwys 8L/26R 8R/26L, 9/27 118.575	Ground	Rwys 15L/33R, 15R/33L 121.7	Ground Metering 119.95	North 130.825	International 131.300	East 131.275	West 121.625	Rwys 15L/33R, 15R/33L 127.3



CHANGES: Ramp comms, Terminal B, construction.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 17 JAN 25 **(70-9F)** Eff 23 Jan

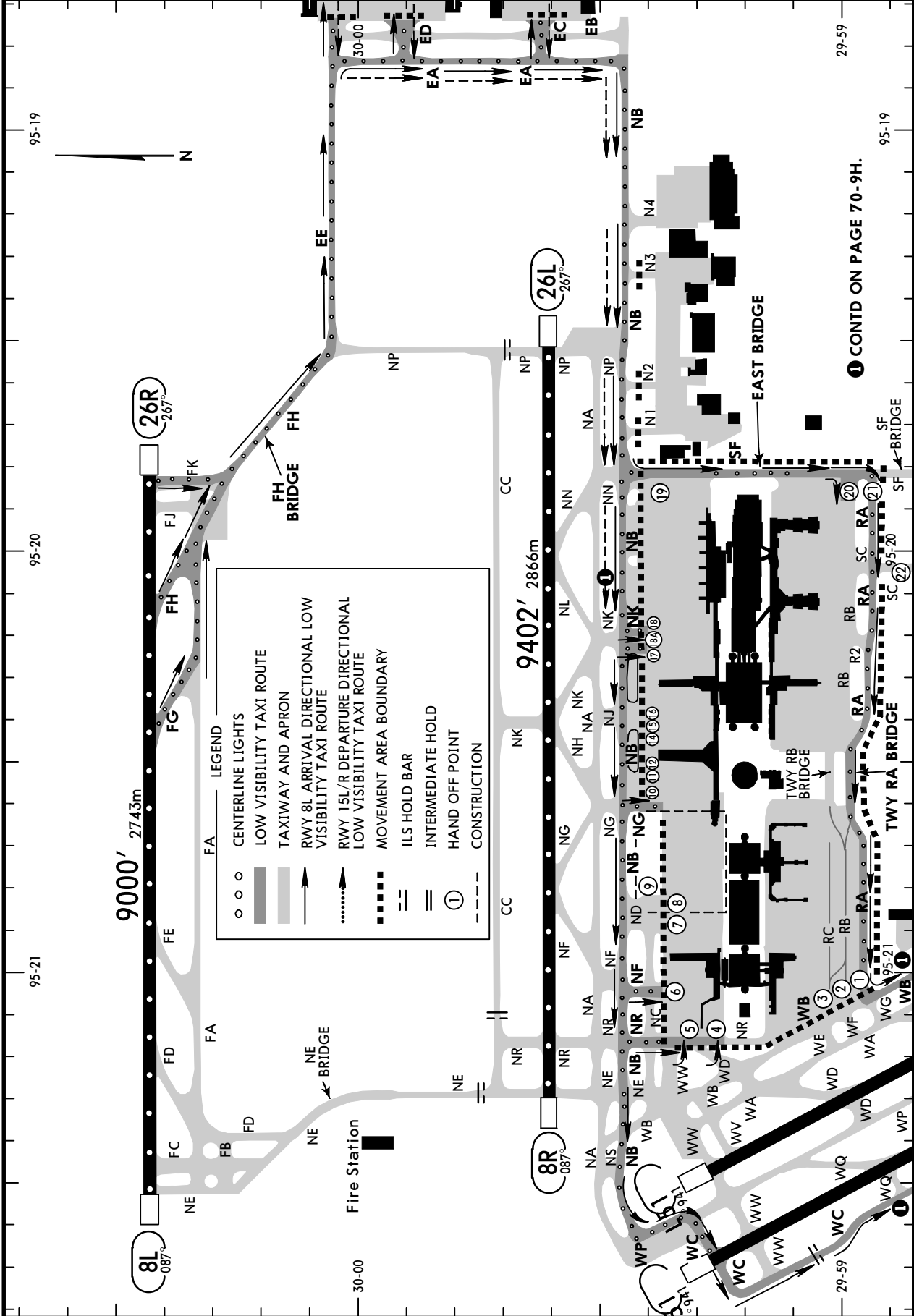
SMGCS

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

LESS THAN RVR 1200 TO 600

RWY 8L ARRIVAL

D-ATIS	Data Comm ACARS: D-ATIS PDC TWIP	CPDLC: DCL	HOUSTON Approach (R)		Tower			
124.05			West 124.35	East 120.05	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3
Ground Rwys 8L/26R, 8R/26L, 9/27			Ground Rwys 15L/33R, 15R/33L		RAMP CONTROL			
118.575			121.7		North 119.95	International 130.825	East 131.300	West 131.275 121.625



CONTD ON PAGE 70-9H.

CHANGES: Ramp comms, Terminal B, construction.

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KIAH/IAH

JEPPesen
17 JAN 25 70-9G Eff 23 Jan

SMGCS

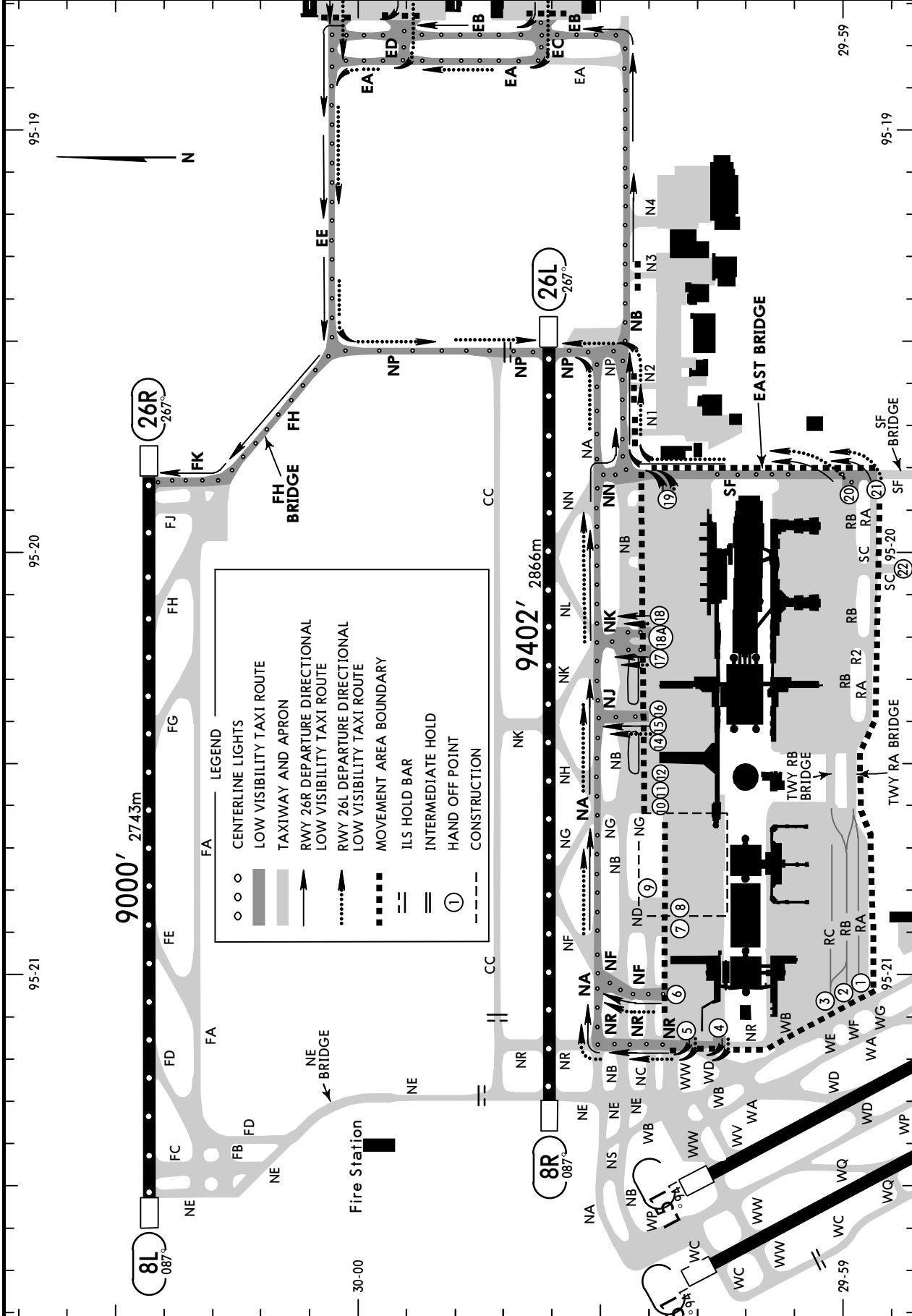
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

LESS THAN RVR 1200 TO 600

RWY 26L & 26R DEPARTURE

D-ATIS 124.05	Data Comm ACARS: D-ATIS PDC TWIP CPDLC: DCL	HOUSTON Clearance 128.1	Ground Metering 119.95	Ground Rwy 8L/26R, 8R/26L, 9/27 118.575	Ground Rwy 15L/33R, 15R/33L 121.7	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Tower Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3
HOUSTON Departure (R)		South		North		RAMP CONTROL		International	
West 126.675	North 132.25	East 133.6	127.125	130.825	131.300	131.275	131.275	121.625	121.625



CHANGES: Ramp comms, Terminal B, construction.

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KIAH/IAH

JEPPESEN
17 JAN 25 (70-9H) Eff 23 Jan

SMGCS

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

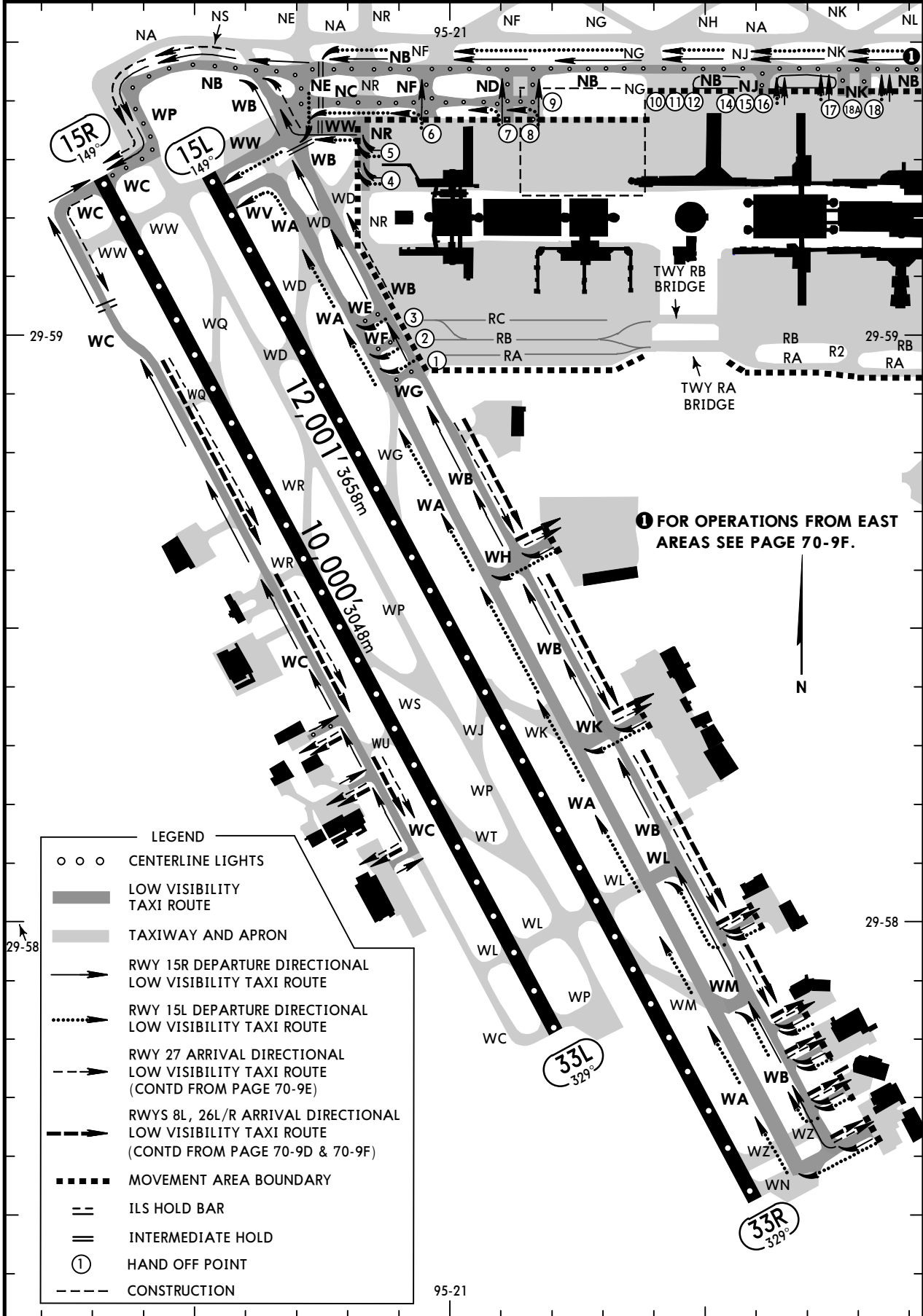
HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

ARRIVALS AND DEPARTURES
(SEE LEGEND BELOW)

LESS THAN RVR 1200 TO 600

D-ATIS 124.05	Data ACARS: D-ATIS PDC TWIP	Comm CPDLC: DCL	HOUSTON Clearance 128.1	Ground Metering 119.95	Rwys 8L/26R, 8R/26L, 9/27 118.575	Ground Rwys 15L/33R, 15R/33L 121.7	Rwy 8L/26R 120.72	Rwy 8R/26L 125.35	Tower Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3
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HOUSTON Departure (R)				RAMP CONTROL			
West	North	East	South	North	International	East	West
126.67	132.25	133.6	127.125	130.825	131.300	131.275	121.625



LEGEND

- ○ ○ CENTERLINE LIGHTS
- ▬ LOW VISIBILITY TAXI ROUTE
- ▬ TAXIWAY AND APRON
- ➔ RWY 15R DEPARTURE DIRECTIONAL LOW VISIBILITY TAXI ROUTE
- ⋯➔ RWY 15L DEPARTURE DIRECTIONAL LOW VISIBILITY TAXI ROUTE
- ➔ RWY 27 ARRIVAL DIRECTIONAL LOW VISIBILITY TAXI ROUTE (CONTD FROM PAGE 70-9E)
- ➔ RWYS 8L, 26L/R ARRIVAL DIRECTIONAL LOW VISIBILITY TAXI ROUTE (CONTD FROM PAGE 70-9D & 70-9F)
- ▬▬▬ MOVEMENT AREA BOUNDARY
- == ILS HOLD BAR
- == INTERMEDIATE HOLD
- ① HAND OFF POINT
- - - CONSTRUCTION

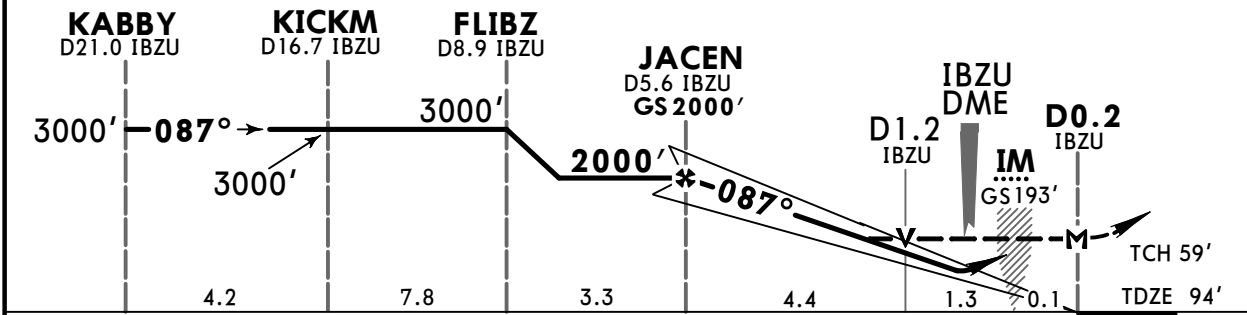
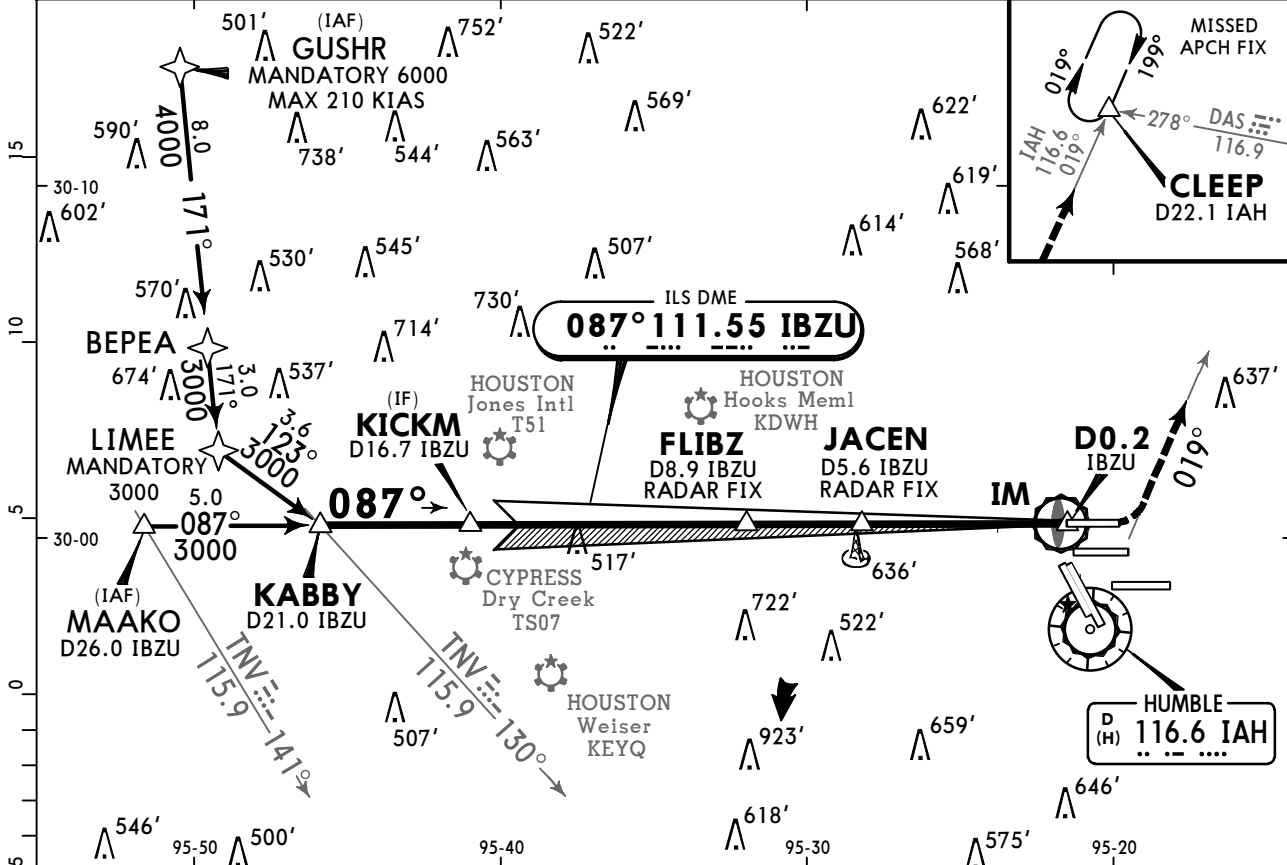
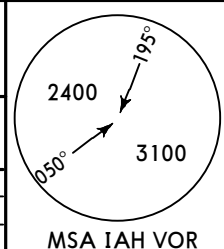
KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON



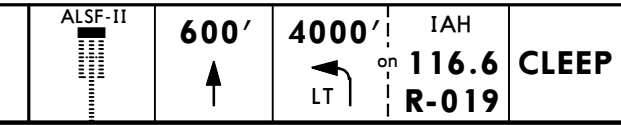
HOUSTON, TEXAS ILS or LOC Rwy 8L

14 JUN 19 (71-1) Eff 20 Jun

BRIEFING STRIP™	D-ATIS 124.05		HOUSTON Approach (R) West East 124.35 120.05		HOUSTON Tower Rwy 8L/26R Rwy 8R/26L Rwy 9/27 120.725 125.35 135.15			Ground Rwys 15L/33R, 15R/33L Rwys 8L/26R, 8R/26L, 9/27 127.3 118.575		Rwys 15L/33R, 15R/33L 121.7
	LOC IBZU 111.55		Final Apch Crs 087°		GS JACEN 2000' (1906')		ILS DA(H) 294' (200')		Apt Elev 96' TDZE 94'	
	MISSED APCH: Climb to 600' then climbing LEFT turn to 4000' outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold.									
	Alt Set: INCHES			Trans level: FL 180				Trans alt: 18000'		
DME required. From GUSHR: RNAV 1-GPS required.										
1. Simultaneous approach authorized with Rwy 8R and 9.										



Gnd speed-Kts	70	90	100	120	140	160
GS	3.00°	372	478	531	637	849
MAP at D0.2 IBZU or JACEN to MAP	5.8	4:58	3:52	3:29	2:54	2:29



TERPS				STRAIGHT-IN LANDING RWY 8L	
ILS DA(H) 294' (200')			LOC (GS out) MDA(H) 600' (506')		
FULL		TDZ/CL out	ALS out		ALS out
A					RVR 24 or 1/2
B	1				RVR 55 or 1
C	RVR 18 or 1/2	RVR 24 or 1/2	RVR 40 or 3/4		
D					RVR 55 or 1
				1/2	

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

TERPS AMEND 4E 20 JUN 2019

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 14 JUN 19
 Eff 20 Jun (71-1A)

HOUSTON, TEXAS
ILS Rwy 8L CAT II & III

D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.725	125.35	135.15	127.3	118.575	121.7

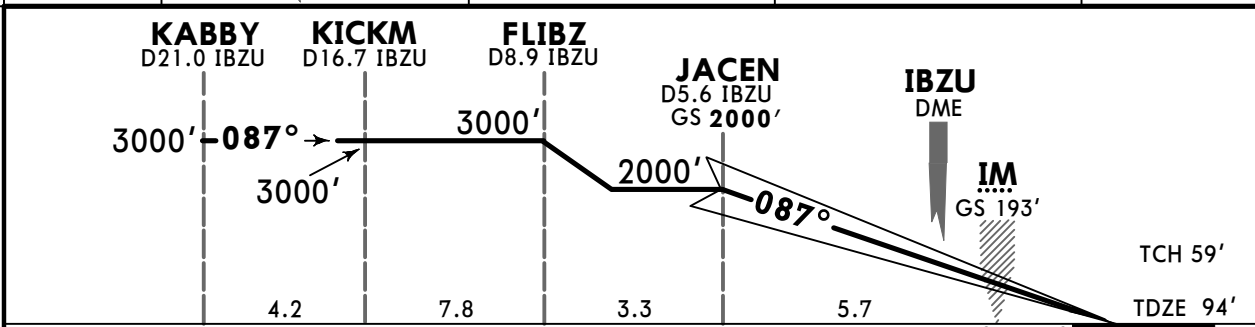
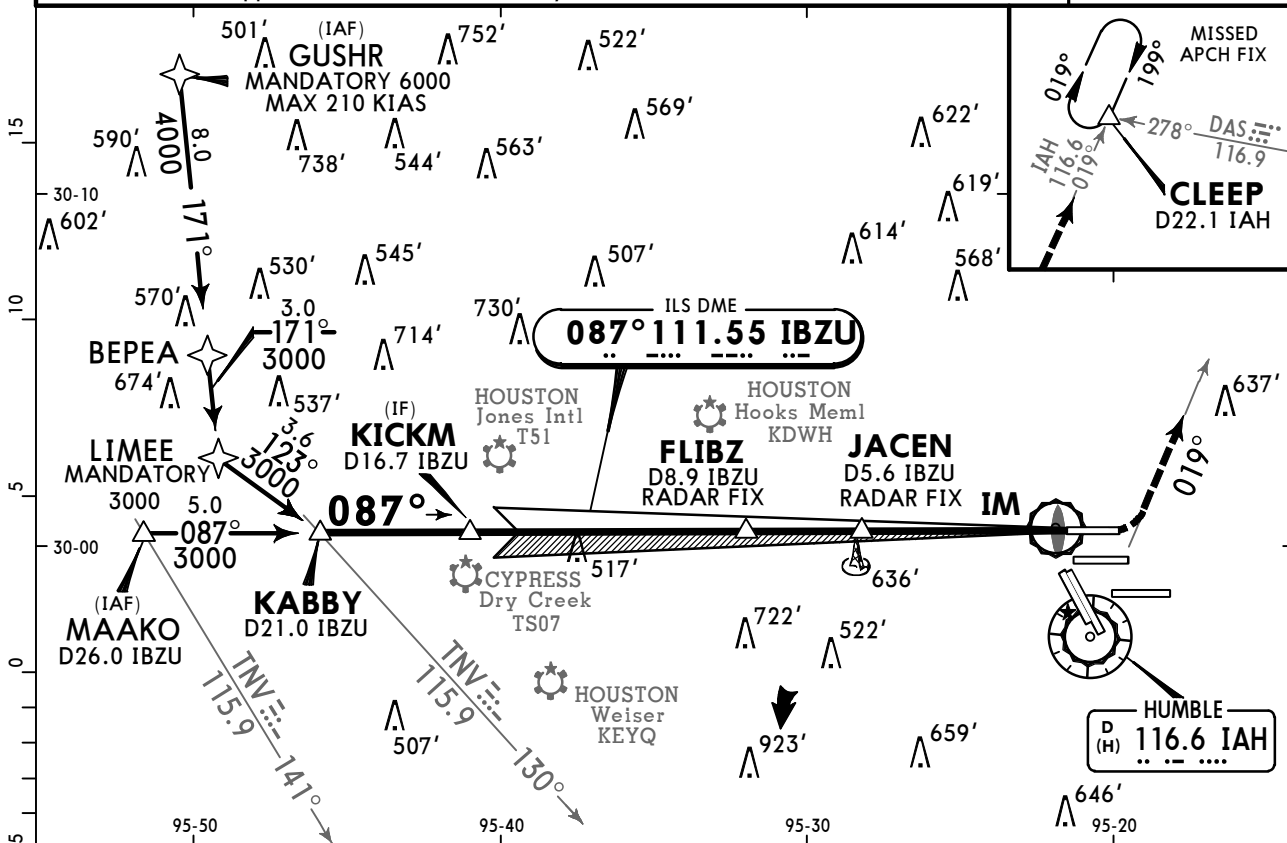
LOC IBZU	Final Apch Crs	GS JACEN	CAT III ILS Refer to Minimums	CAT II ILS RA 108'	Apt Elev 96'	Ground TDZE 94'	

MISSED APCH: Climb to 600' then climbing LEFT turn to 4000' outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold.

Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'

DME required. From GUSHR: RNAV 1-GPS required.

- Special Aircrew and Aircraft Certification Required.
- Simultaneous approach authorized with Rwys 8R and 9.



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	4000'	IAH R-019	CLEEP
GS	3.00°	372	478	531	637	743					

TERPS		STRAIGHT-IN LANDING RWY 8L	
CAT III ILS	RVR 6	CAT II ILS RA 108'	DA(H) 194'(100')
		RVR 12	

RVR 10 authorized with specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.

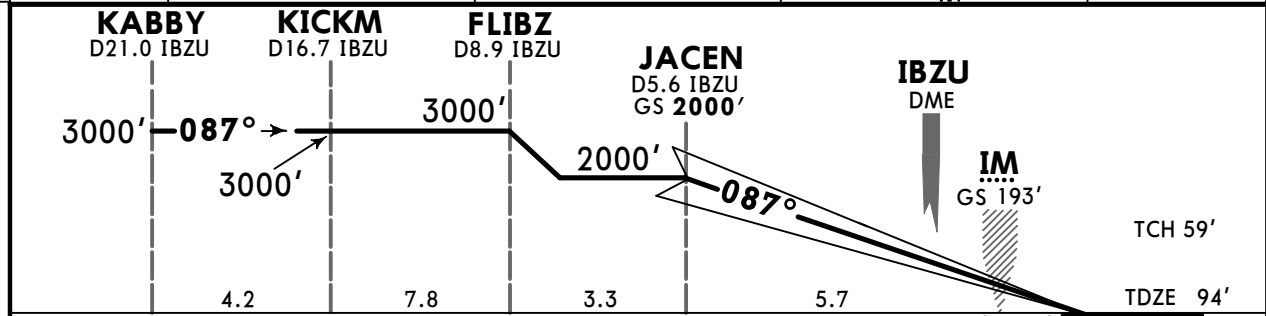
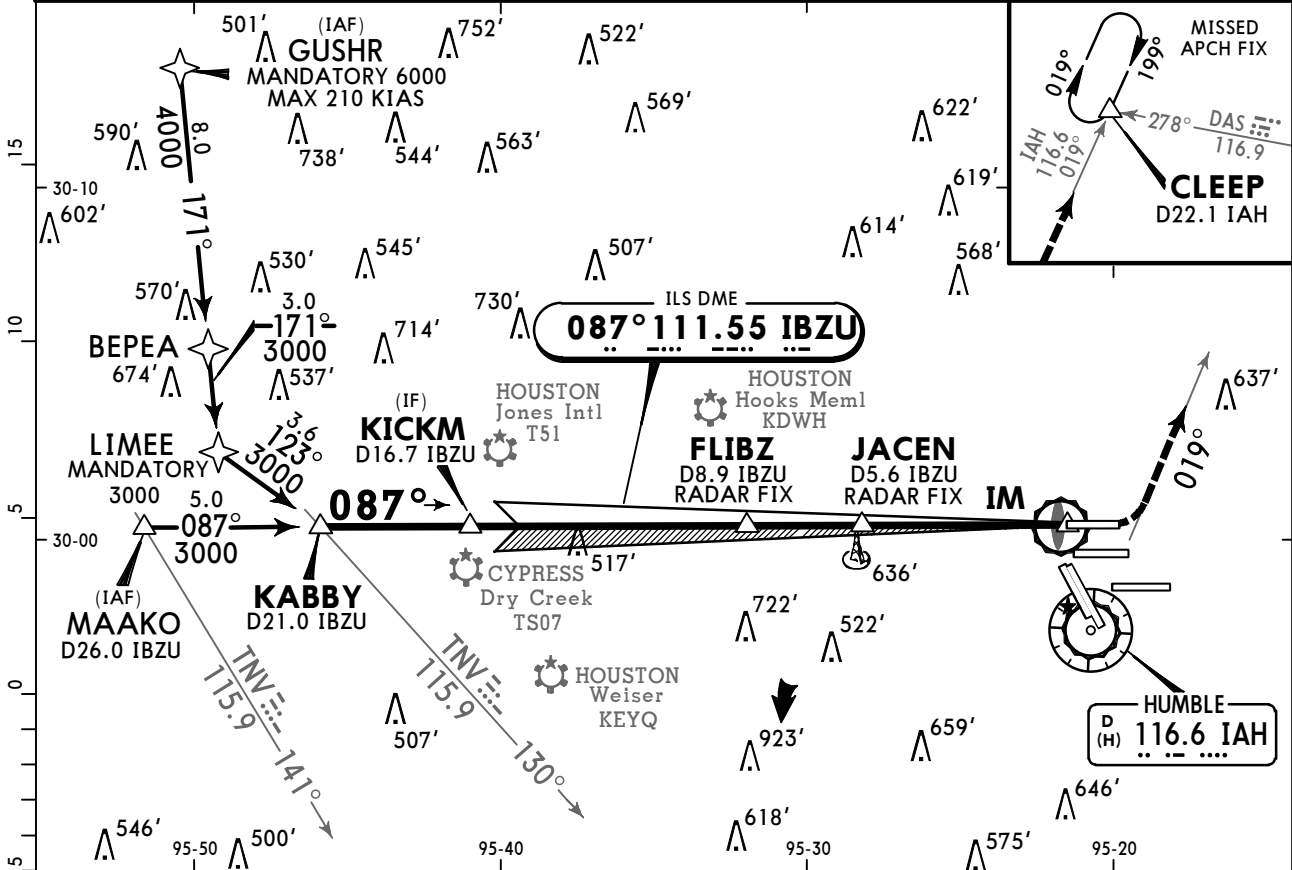
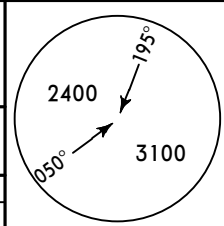
TERPS AMEND 4E 20 JUN 2019

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 14 JUN 19
 Eff 20 Jun **(71-1B)**

HOUSTON, TEXAS
ILS Rwy 8L SA CAT I

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground	
	124.05		West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
	124.35		120.05		120.725	125.35	135.15	127.3	118.575	121.7
	LOC IBZU 111.55		Final Apch Crs 087°		GS JACEN 2000' (1906')		SA CAT I ILS RA 158' DA(H) (244')(150')		Apt Elev 96' TDZE 94'	
MISSED APCH: Climb to 600' then climbing LEFT turn to 4000' outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold.										
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'										
DME required. From GUSHR: RNAV 1-GPS required.										
1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rwys 8R and 9.										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	4000'	IAH on 116.6 R-019	CLEEP
GS	3.00°	372	478	531	637	849					

TERPS STRAIGHT-IN LANDING RWY 8L
1 SA CAT I ILS
RA 158'
 DA(H) **244'** (150')

RVR 14

1 Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DA.

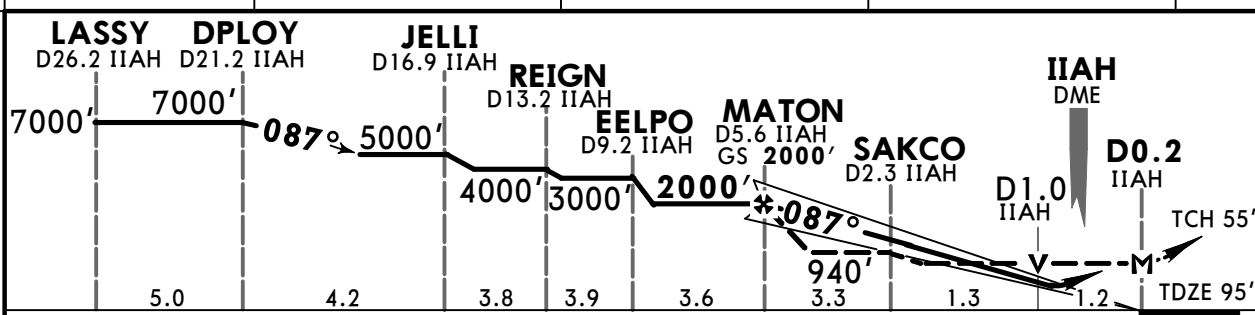
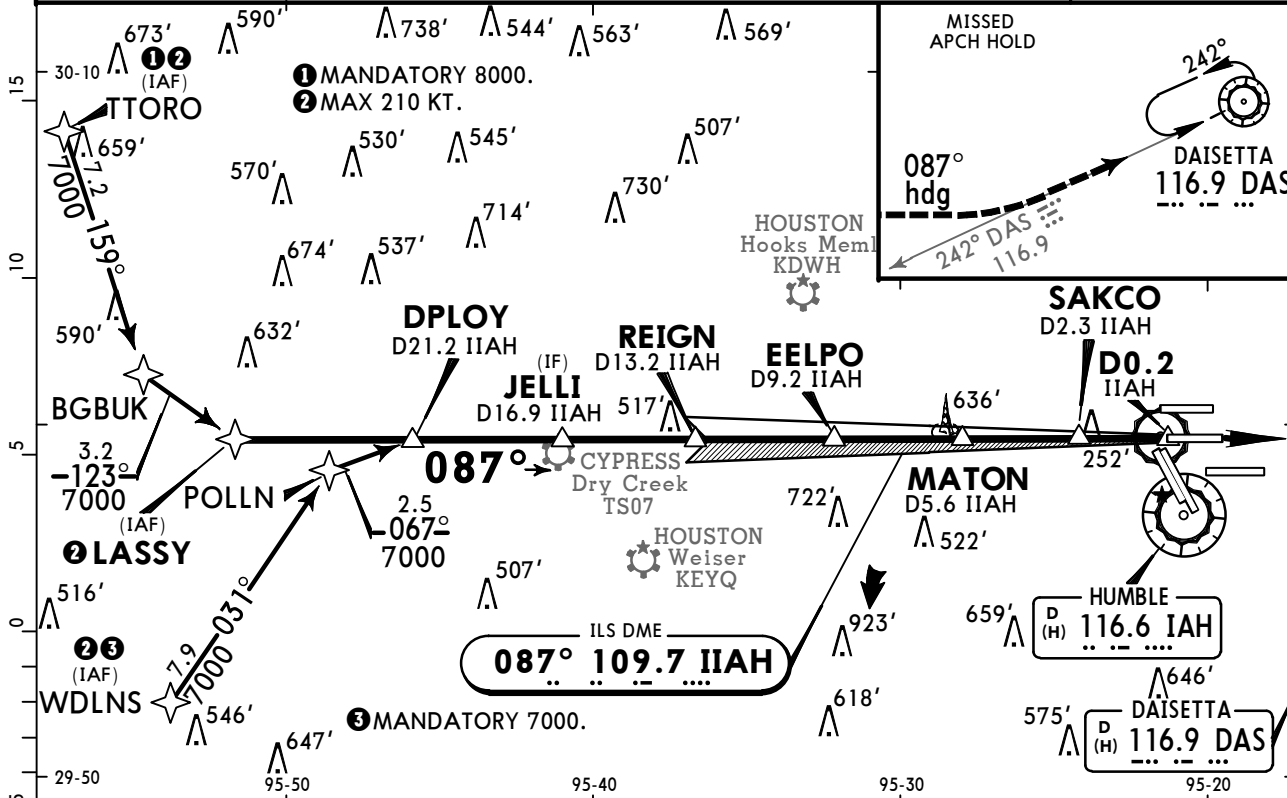
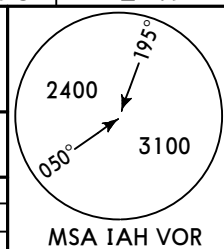
TERPS AMEND 4E 20 JUN 2019

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 28 JUN 19 **(71-2)**

HOUSTON, TEXAS
ILS or LOC Rwy 8R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)			HOUSTON Tower			Ground	
	124.05	West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
	124.35	120.05	125.35	120.725	135.15	127.3	118.575	121.7	
	LOC IIAH 109.7	Final Apch Crs 087°	GS MATON 2000' (1905')	ILS DA(H) 295' (200')	Apt Elev 96'	Ground			
MISSED APCH: Climb to 3000' on heading 087° and inbound on DAS VOR R-242 to DAS VOR and hold.									
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'			
RNAV 1-GPS or radar required for procedure entry, DME.									
1. Simultaneous approach authorized. 2. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 72').									



Gnd speed-Kts	70	90	100	120	140	160	MALSR	3000'	↑	087°	DAS
GS	3.00°	372	478	531	637	743					
MAP at D0.2 IIAH or MATON to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10	PAPI			

TERPS AMEND 26 11 OCT 2018	TERPS				STRAIGHT-IN LANDING RWY 8R			
	ILS		LOC (GS out)		ILS		LOC (GS out)	
	DA(H) 295' (200')		MDA(H) 560' (465')		DA(H) 295' (200')		MDA(H) 560' (465')	
	FULL	TDZ/CL out	RAIL/ALS out	RAIL/ALS out	FULL	TDZ/CL out	RAIL/ALS out	RAIL/ALS out
A				RVR 24		RVR 50		
B	RVR 18	RVR 24	RVR 40	or 1/2		or 1		
C	or 1/2	or 1/2	or 3/4					
D				RVR 50		1 3/8		
				or 1				

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

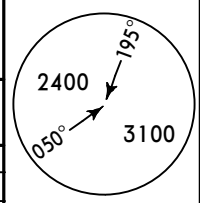
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON



HOUSTON, TEXAS
ILS Rwy 8R SA CAT I

D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.725	135.15	127.3	118.575	121.7

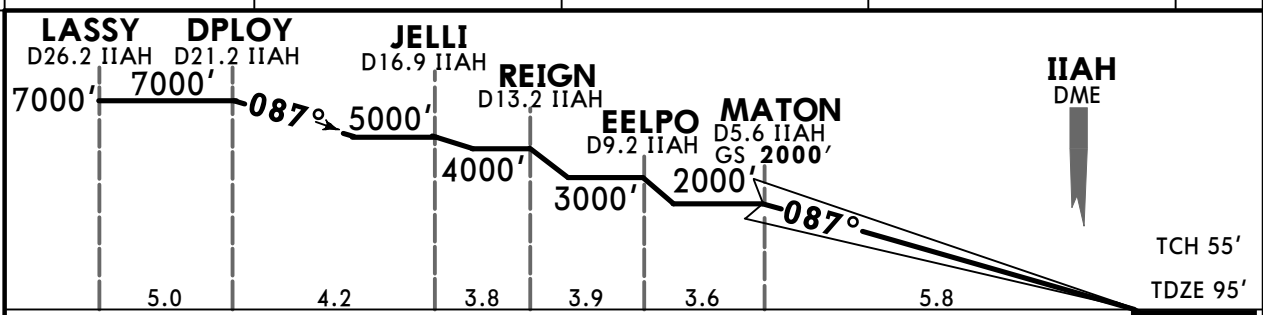
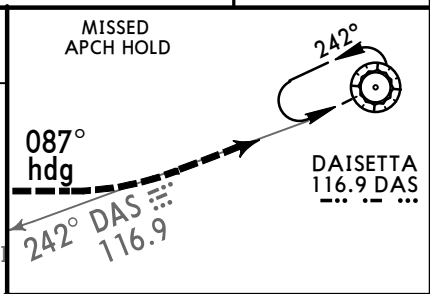
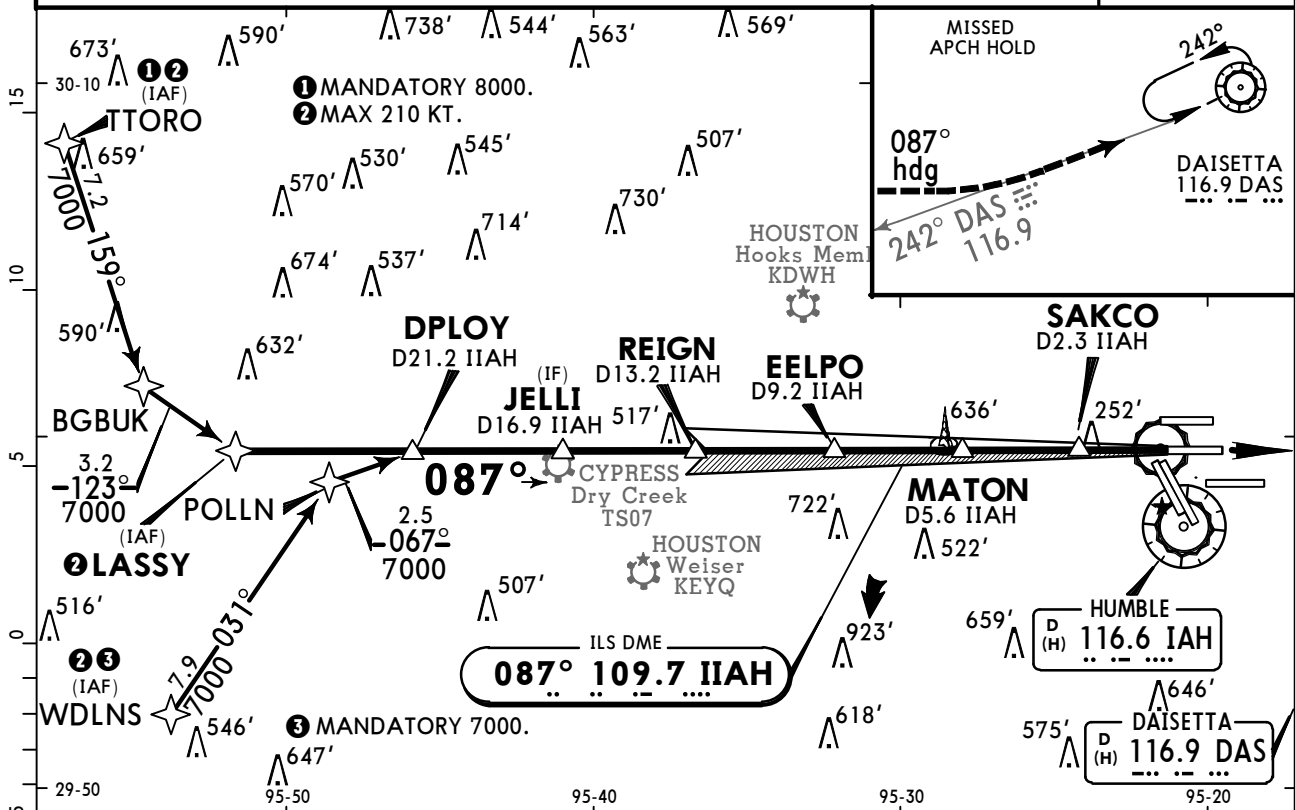
LOC IIAH 109.7	Final Apch Crs 087°	GS MATON 2000' (1905')	SA CAT I ILS RA 152' DA(H) 245' (150')	Apt Elev 96' TDZE 95'
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MISSED APCH: Climb to 3000' on heading 087° and inbound on DAS VOR R-242 to DAS VOR and hold.

Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'

RNAV 1-GPS or radar required for procedure entry, DME.
 1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized. 3. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 72').



Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI	3000'	on ↑	087°	and hdg	DAS 116.9 R-242
GS	3.00°	372	478	531	637	743						

TERPS STRAIGHT-IN LANDING RWY 8R
1 SA CAT I ILS
RA 152'
 DA(H) 245' (150')

RVR 14

1 Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

TERPS AMEND 26 11 OCT 2018

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON



28 JUN 19

71-2B

HOUSTON, TEXAS

ILS Rwy 8R SA CAT II

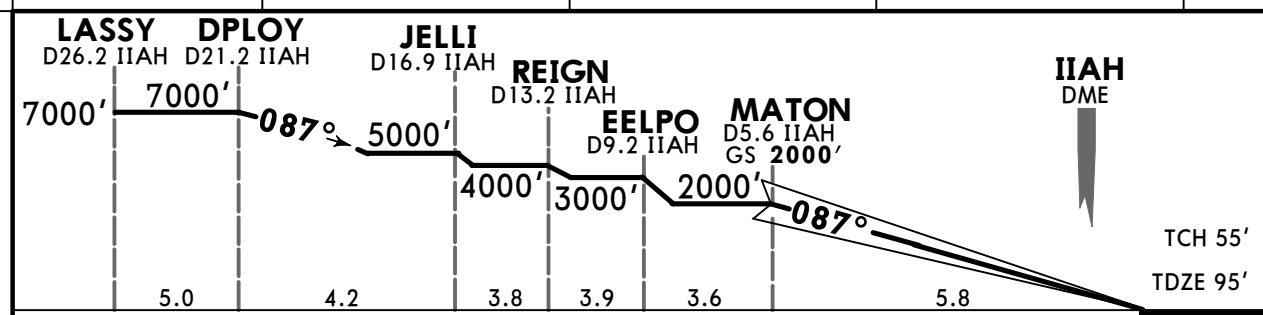
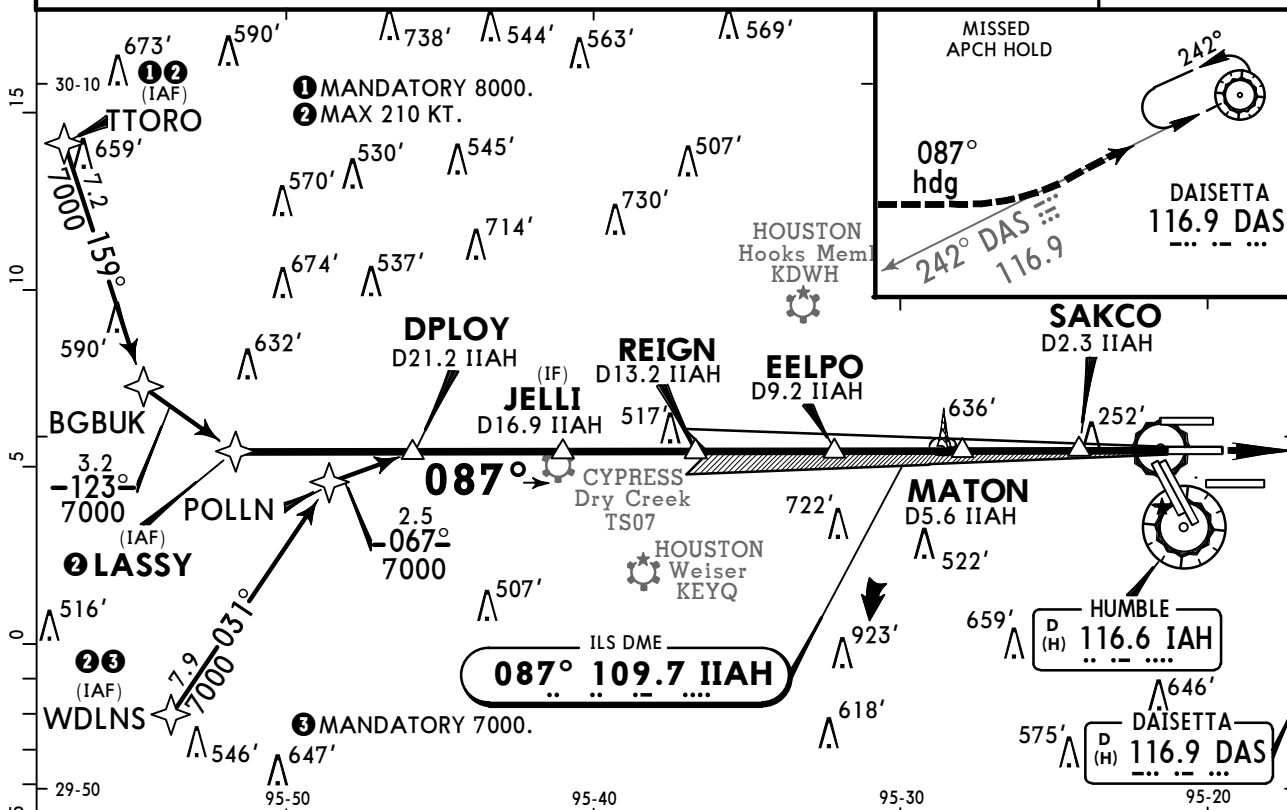
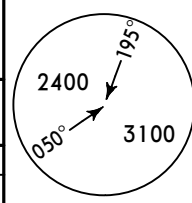
BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Ground Rwys 15L/33R, 15R/33L
	124.05	West 124.35	East 120.05	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwy 9/27 135.15	127.3	118.575	121.7
	LOC IIAH 109.7	Final Apch Crs 087°		GS MATON 2000' (1905')		SA CAT II ILS RA 102' DA(H) 195' (100')		Apt Elev 96'	TDZE 95'

MISSED APCH: Climb to 3000' on heading 087° and inbound on DAS VOR R-242 to DAS VOR and hold.

Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'

RNAV 1-GPS or radar required for procedure entry, DME.

1. **Special Aircrew and Aircraft Certification Required.** 2. Simultaneous approach authorized. 3. VGSI and ILS glidepath no coincident (VGSI angle 3.00°/TCH 72').



Gnd speed-Kts	70	90	100	120	140	160	MALSR	3000'	087°	DAS 116.9
GS	3.00°	372	478	531	637	849				

TERPS STRAIGHT-IN LANDING RWY 8R

SA CAT II ILS
RA 102'
 DA(H) 195' (100')

RVR 12

Reduced lighting: Requires specific OPSPEC, MSPEC, or LOA approval and use of AUTOLAND or HUD to touchdown.

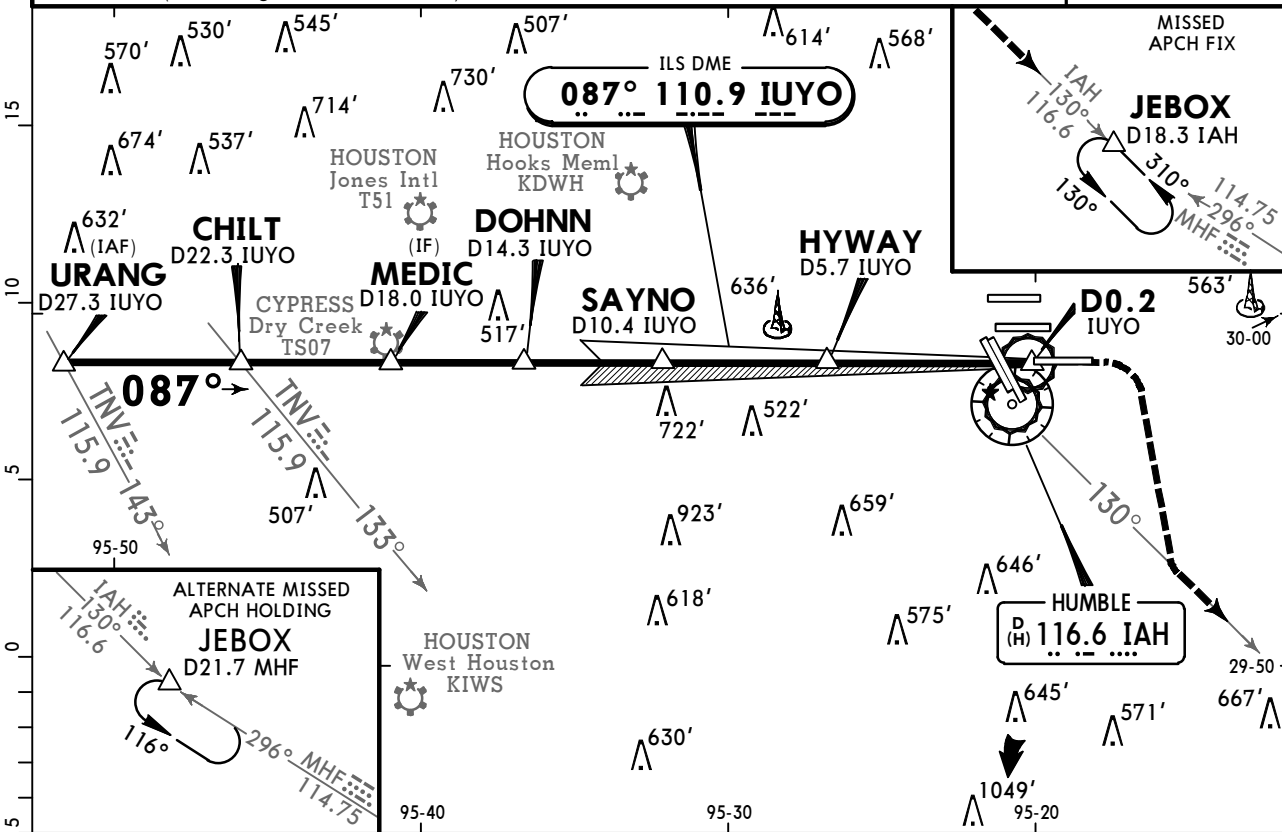
TERPS AMEND 26 11 OCT 2018

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPesen
17 FEB 23 **(71-3)** **Eff 23 Feb**

HOUSTON, TEXAS ILS or LOC Rwy 9

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground		
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	LOC IUYO 110.9	Final Apch Crs 087°		HYWAY 2000' (1910')		ILS DA(H) 290' (200')	Apt Elev 96' TDZE 90'		
	MISSED APCH: Climb to 580' then climbing RIGHT turn to 3000' outbound on IAH VOR R-130 to JEBOX/D18.3 IAH and hold.								<p>MSA IAH VOR</p>
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'			
DME required. RADAR required for procedure entry.									
1. Simultaneous approach authorized with Rws 8L/R. 2. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').									



URANG D27.3 IUYO	CHILT D22.3 IUYO	MEDIC D18.0 IUYO	DOHNN D14.3 IUYO	SAYNO D10.4 IUYO	HYWAY D5.7 IUYO GS 2000'	IUYO DME D1.2 IUYO D0.2 IUYO	
5000'	4000'	4000'	3000'	2000'	2000'	580'	
5.0	4.3	3.8	3.9	4.7	4.5	1.3	
						TCH 50'	TDZE 90'

Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI	580'	3000'	IAH R-130	JEBOX
GS	3.00°	372	478	531	637	849					
MAP at D0.2 IUYO or HYWAYS to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10				

TERPS				STRAIGHT-IN LANDING RWY 9			
ILS		LOC (GS out)		ILS		LOC (GS out)	
DA(H) 290' (200')		MDA(H) 580' (490')		DA(H) 290' (200')		MDA(H) 580' (490')	
RAIL/ALS out		RAIL/ALS out		RAIL/ALS out		RAIL/ALS out	
A				RVR 24 or 1/2		RVR 55 or 1	
B							
C	1 RVR 24 or 1/2		RVR 40 or 3/4				
D				RVR 50 or 1			1/2

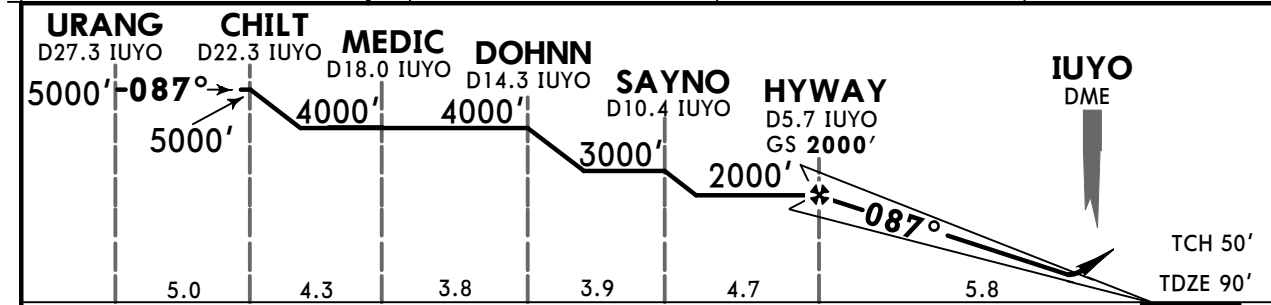
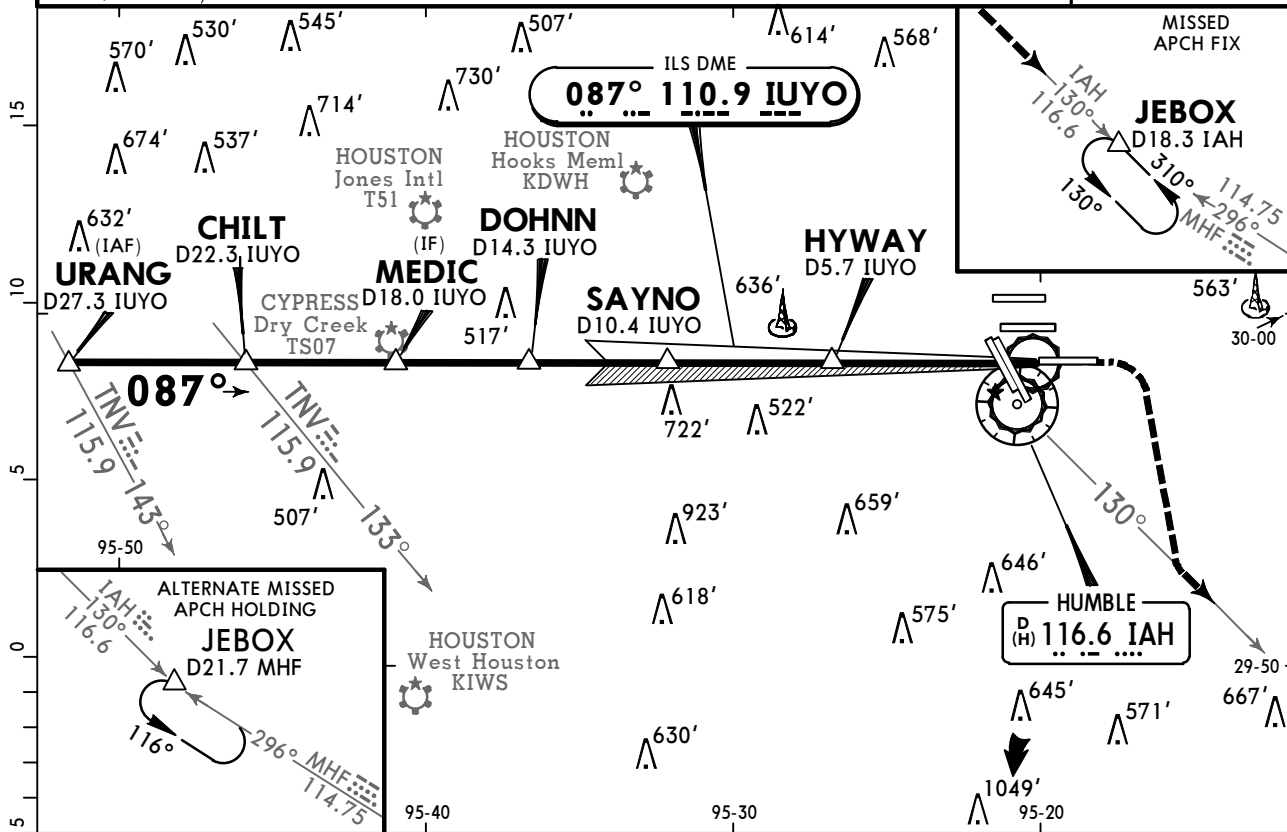
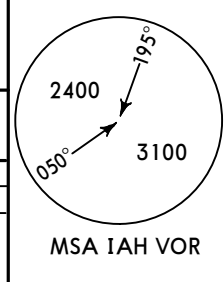
1 RVR 18 with Flight Director or Autopilot or HUD to DA.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 17 FEB 23 **71-3A** Eff 23 Feb

HOUSTON, TEXAS
ILS Rwy 9 SA CAT I

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground		
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	LOC IUYO 110.9	Final Apch Crs 087°		HYWAY 2000' (1910')		SA CAT I ILS RA 148' DA(H) 240'(150')		Apt Elev 96' TDZE 90'	
MISSED APCH: Climb to 580' then climbing RIGHT turn to 3000' outbound on IAH VOR R-130 to JEBOX/D18.3 IAH and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'									
DME required. RADAR required for procedure entry.									
1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rwys 8L/R. 3. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').									



Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI	580'	3000'	IAH	JEBOX R-130
GS	3.00°	372	478	531	637	849		↑	RT on	116.6	

TERPS STRAIGHT-IN LANDING RWY 9
SA CAT I ILS
RA 148'
 DA(H) 240' (150')

RVR 14

Requires specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

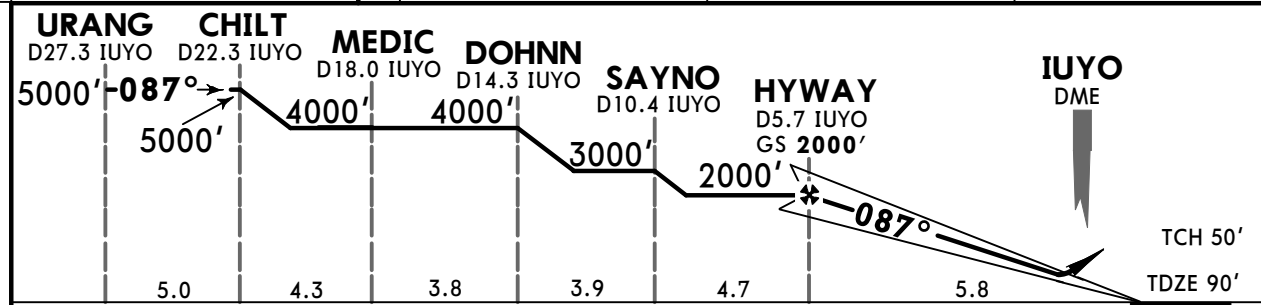
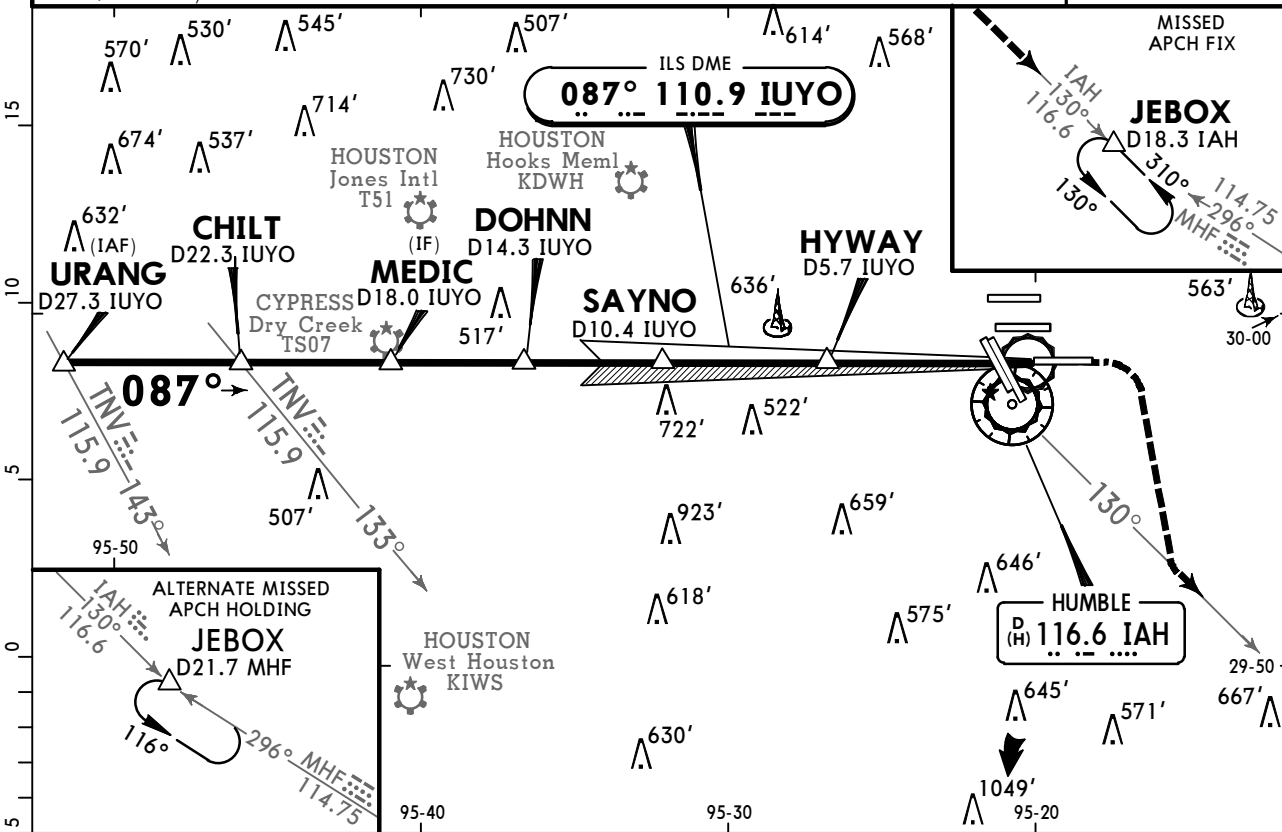
TERPS AMEND 10B 25 APR 2019

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 17 FEB 23 **(71-3B)** **Eff 23 Feb**

HOUSTON, TEXAS
ILS Rwy 9 SA CAT II

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground				
		West	East	Rwy 9/27	Rwy 8L/26R	Rwy 8R/26L	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L		
	124.05	124.35	120.05	135.15	120.725	125.35	127.3	118.575	121.7		
	LOC IUYO	Final Apch Crs		HYWAY		SA CAT II ILS		Apt Elev 96'			
110.9	087°		2000' (1910')		RA 98'		TDZE 90'				
MISSED APCH: Climb to 580' then climbing RIGHT turn to 3000' outbound on IAH VOR R-130 to JEBOX/D18.3 IAH and hold.								<p>MSA IAH VOR</p>			
Alt Set: INCHES				Trans level: FL 180		Trans alt: 18000'					
DME required. RADAR required for procedure entry.											
1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rwys 8L/R. 3. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').											



Gnd speed-Kts	70	90	100	120	140	160	MALSR	580'	3000'	IAH	JEBOX
GS	3.00°	372	478	531	637	849					

TERPS STRAIGHT-IN LANDING RWY 9
SA CAT II ILS
RA 98'
 DA(H) 190' (100')

RVR 12

1 Reduced Lighting: Requires specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.

TERPS AMEND 10B 25 APR 2019

KIAH/IAH

GEORGE BUSH

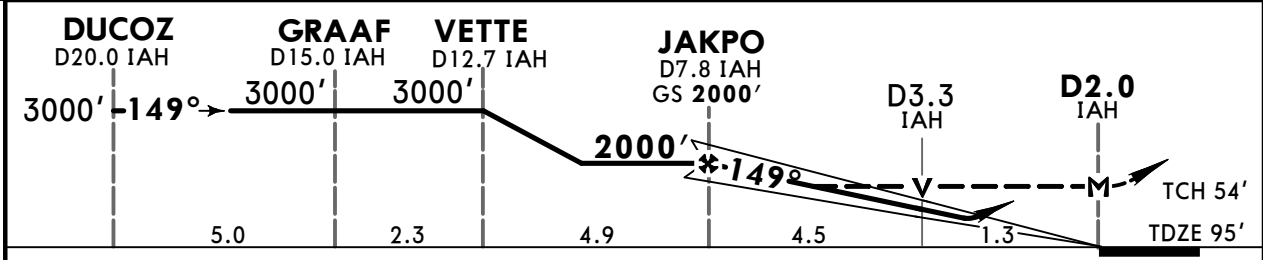
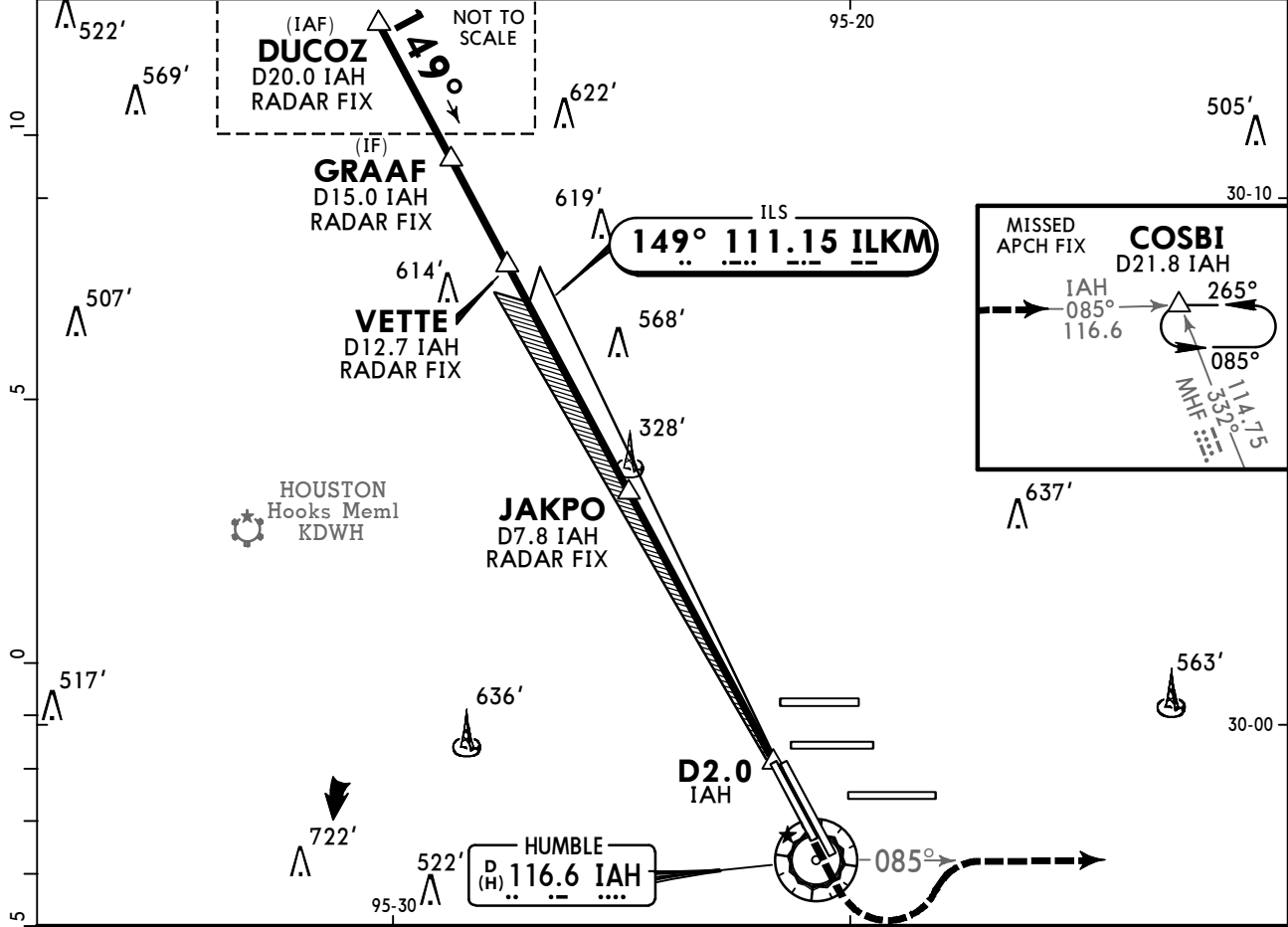
INTERCONTINENTAL/HOUSTON

JEPPESSEN
17 FEB 23 **(71-4)** Eff 23 Feb

HOUSTON, TEXAS

ILS or LOC Rwy 15R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
		West	East	Rwys 15R/33L, 15L/33R	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15R/33L, 15L/33R	Rwys 8L/26R, 8R/26L, 9/27
	124.05	124.35	120.05	127.3	120.725	125.35	135.15	121.7	118.575
	LOC ILKM 111.15	Final Apch Crs 149°	JAKPO 2000' (1905')	ILS DA(H) 295' (200')	Apt Elev 96' TDZE 95'				
MISSED APCH: Climb to 1000' then climbing LEFT turn to 2000' outbound on IAH VOR R-085 to COSBI INT/D21.8 IAH and hold.									
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'			
DME or Radar required. Radar required for procedure entry.									
1. DME from IAH VOR, simultaneous reception of ILKM and IAH DME required. 2. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').									
MSA IAH VOR									



Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI 1000' 2000' IAH ↑ LT on 116.6 R-085 COSBI	
GS	3.00°	372	478	531	637	743		849
MAP at D2.0 IAH or JAKPO to MAP	5.8	4:58	3:52	3:29	2:54	2:29		2:10

TERPS				STRAIGHT-IN LANDING RWY15R	
ILS DA(H) 295' (200')		LOC (GS out) MDA(H) 580' (485')			
TDZ/CL out		RAIL/ALS out		RAIL/ALS out	
A				RVR 24 or 1/2	RVR 55 or 1
B		1			
C	RVR 18 or 1/2	RVR 24 or 1/2	RVR 40 or 3/4		
D				RVR 50 or 1	1 3/8

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

TERPS AMEND 2B 25 APR 2019

KIAH/IAH

GEORGE BUSH

INTERCONTINENTAL/HOUSTON

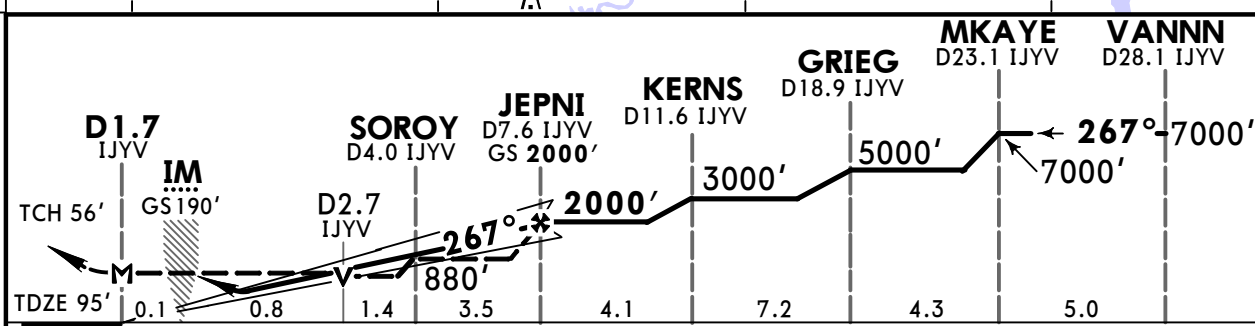
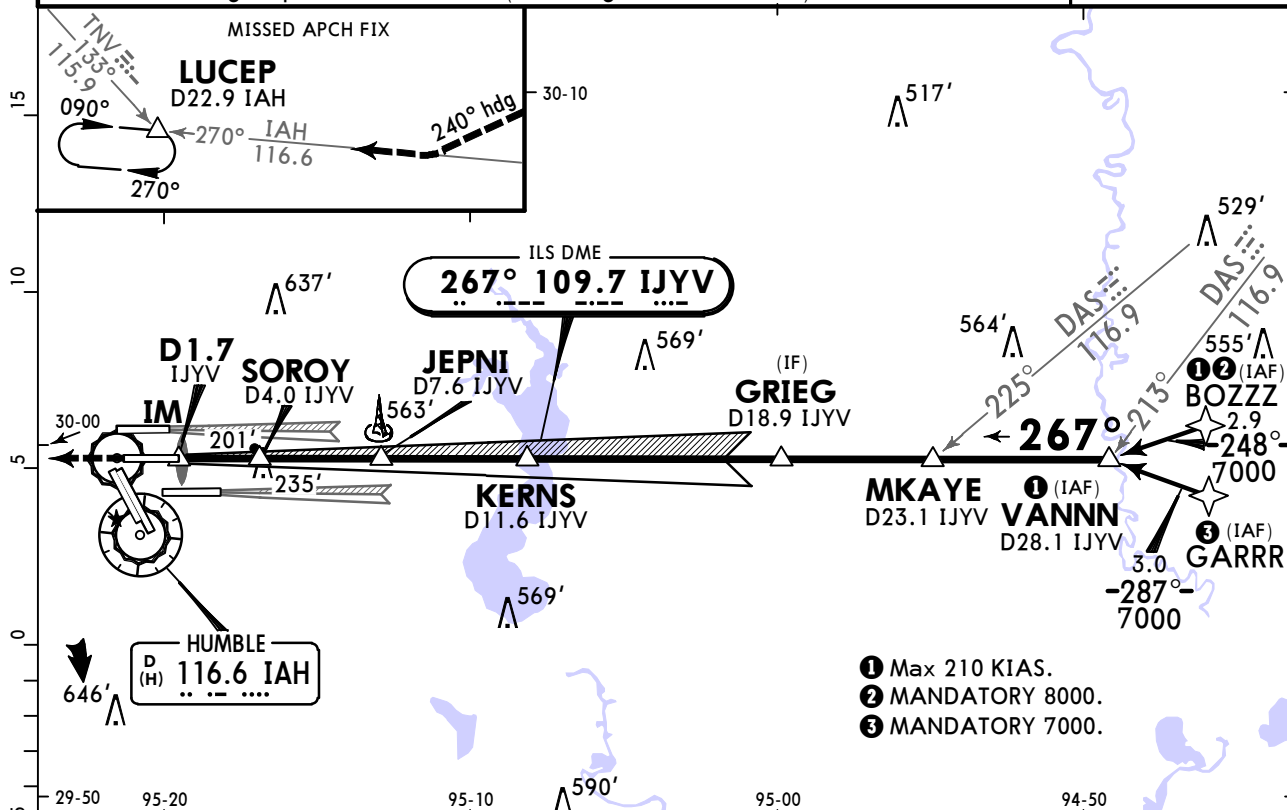


HOUSTON, TEXAS

19 APR 19
Eff 25 Apr (71-5)

ILS or LOC Rwy 26L

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground	
		West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L	
	124.05	124.35	120.05	125.35	120.725	135.15	127.3	118.575	121.7	
	LOC IJYV 109.7	Final Apch Crs 267°		GS JEPNI 2000' (1905')	ILS DA(H) 295' (200')		Apt Elev 96' TDZE 95'		<p>MSA IAH VOR</p>	
MISSED APCH: Climb to 3000' then LEFT turn heading 240° and outbound on IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold.										
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'				
DME required. From BOZZZ, GARRR: RNAV 1-GPS required.										
1. Simultaneous approach authorized with Rws 26R & 27. 2. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI	3000'	LT	240° hdg and 116.6 R-270
GS 3.00°	372	478	531	637	743	849				
MAP at D1.7 IJYV or JEPNI to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10			

TERPS					STRAIGHT-IN LANDING RWY 26L					
ILS DA(H) 295' (200')			LOC (GS out) MDA(H) 460' (365')							
FULL		TDZ/CL out	ALS out		ALS out					
A					RVR 24 or 1/2		RVR 55 or 1			
B										
C	RVR 18 or 1/2	1 RVR 24 or 1/2	RVR 40 or 3/4							
D					RVR 35 or 5/8		RVR 50 or 1			

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

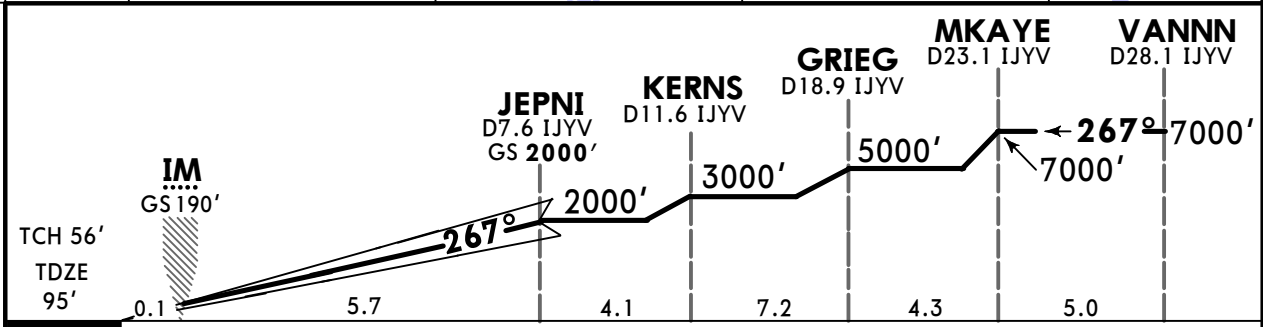
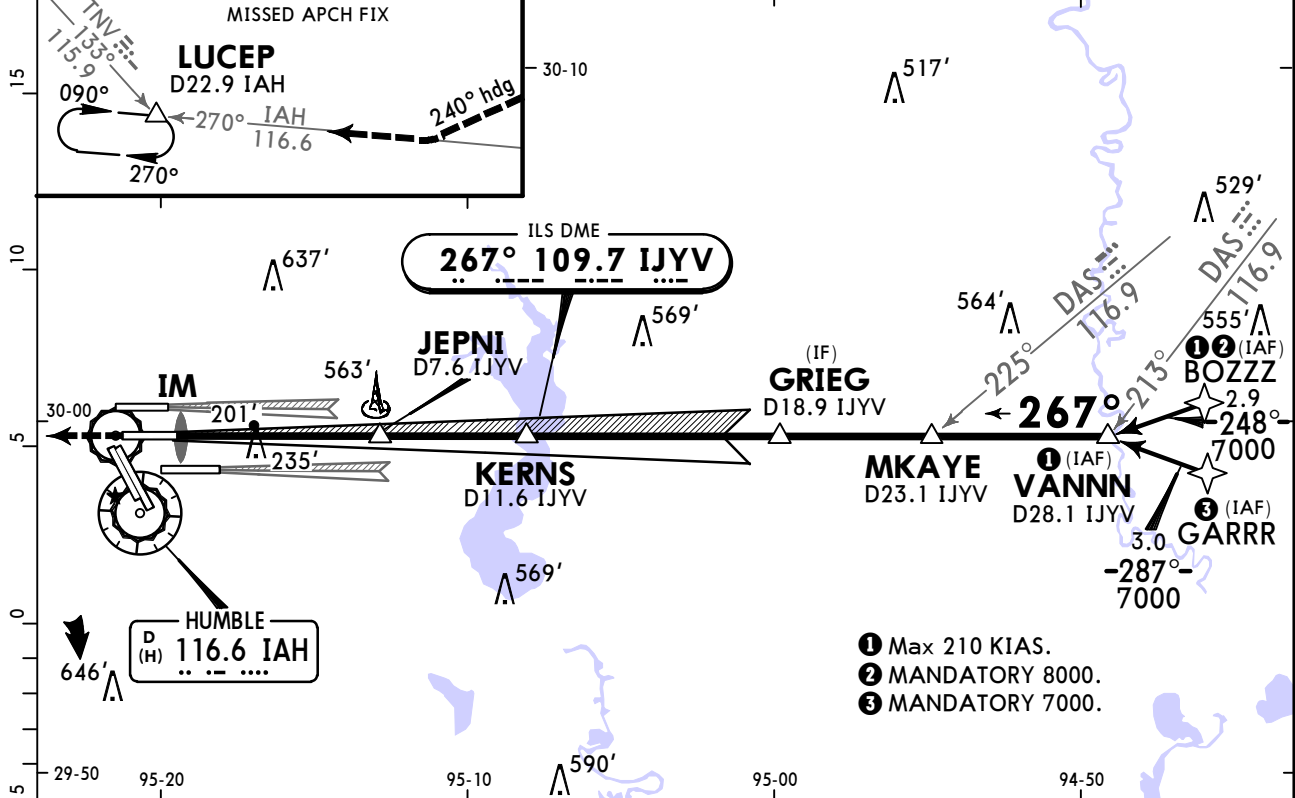
TERPS AMEND 21D 25 APR 2019

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INTERCONTINENTAL/HOUSTON

JEPPESEN
 19 APR 19
Eff 25 Apr (71-5A)

HOUSTON, TEXAS
ILS Rwy 26L CAT II & III

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground	
		West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L	
	124.05	124.35	120.05	125.35	120.725	135.15	127.3	118.575	121.7	
	LOC IJYV 109.7	Final Apch Crs 267°	GS JEPNI 2000' (1905')	CAT III ILS Refer to Minimums	CAT II ILS RA 100' DA(H) 195' (100')	Apt Elev 96' TDZE 95'				
MISSED APCH: Climb to 3000' then LEFT turn heading 240° and outbound on IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold.										
Alt Set: INCHES				Trans level: FL 180		Trans alt: 18000'				
DME required. From BOZZZ, GARRR: RNAV 1-GPS required.										
1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rwys 26R & 27. 3. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI	3000'	LT	240° hdg and 116.6 R-270
GS	3.00°	372	478	531	637	849				

TERPS		STRAIGHT-IN LANDING RWY26L	
CAT III ILS		CAT II ILS RA 100' DA(H) 195' (100')	
RVR 6		RVR 12	

1 RVR 10 authorized with specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.
 CHANGES: HUB formations and altn missed apch removed, notes, minimums. © JEPPESEN, 1997, 2019. ALL RIGHTS RESERVED.

TERPS AMEND 21D 25 APR 2019

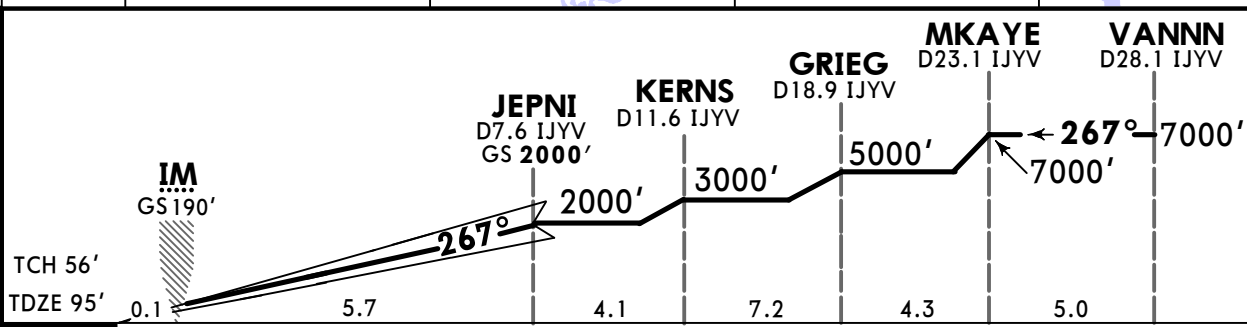
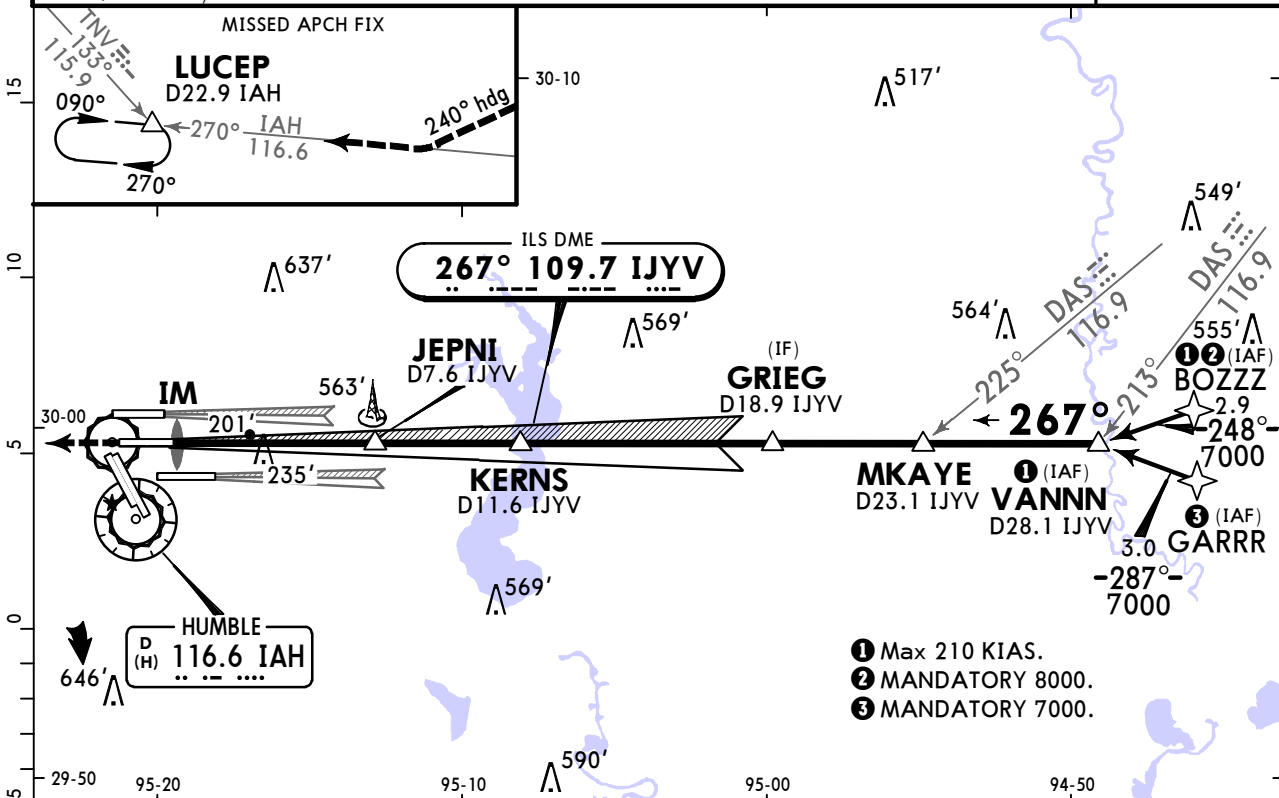
KIAH/IAH HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON

19 APR 19 Eff 25 Apr **71-5B** ILS Rwy 26L SA CAT I



BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground		
			West	East		Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
	124.05		124.35	120.05		125.35	120.725	135.15	127.3	118.575	121.7
	LOC IJYV 109.7		Final Apch Crs 267°		GS JEPNI 2000' (1905')		SA CAT I ILS RA 152' DA(H) 245' (150')		Apt Elev 96' TDZE 95'		<p>MSA IAH VOR</p>
<p>MISSED APCH: Climb to 3000' then LEFT turn heading 240° and outbound on IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold.</p>											
Alt Set: INCHES					Trans level: FL 180						
DME required. From BOZZZ, GARRR: RNAV 1-GPS required.											
<p>1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rws 26R & 27. 3. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 71').</p>											



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI	3000'	LT	IAH 240° and 116.6 R-270
GS	3.00°	372	478	531	637	743				

TERPS STRAIGHT-IN LANDING RWY 26L

SA CAT I ILS
RA 152'
DA(H) 245' (150')

RVR 14

Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

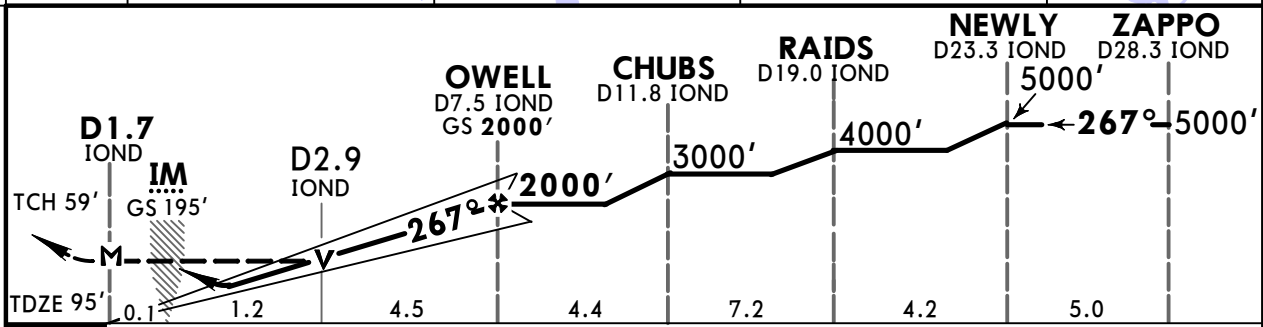
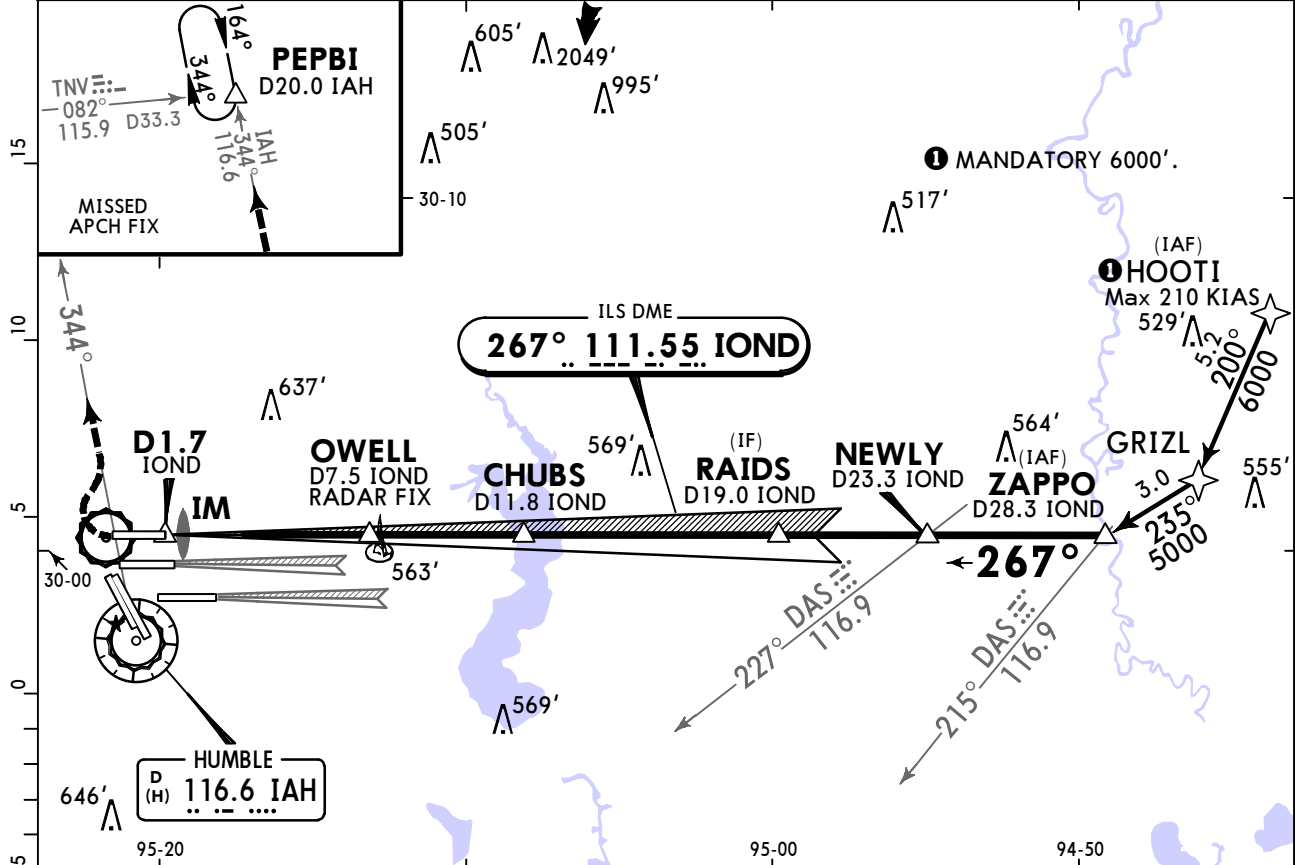
TERPS AMEND 2 ID 25 APR 2019

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPesen
19 APR 19
Eff 25 Apr **71-6**

HOUSTON, TEXAS ILS or LOC Rwy 26R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground			
	124.05	West 124.35	East 120.05	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 8L/26R, 8R/26L, 9/27 118.575	Rwys 15L/33R, 15R/33L 121.7	
	LOC IOND 111.55	Final Apch Crs 267°		GS OWELL 2000' (1905')	ILS DA(H) 295' (200')	Apt Elev 96'				
	MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' outbound on IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold.									
	Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'			
DME required. From HOOTI: RNAV 1-GPS required.								MSA IAH VOR		
1. Simultaneous approach authorized with Rwys 26L and 27.										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	3000'	IAH on 116.6 R-344	PEPBI
GS	3.00°	372	478	531	637	849					
MAP at D1.7 IOND or OWELL to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10				

TERPS					STRAIGHT-IN LANDING RWY 26R	
ILS			LOC (GS out)			
DA(H) 295' (200')			MDA(H) 580' (485')			
FULL		TDZ/CL out	ALS out		ALS out	
A					RVR 24 or 1/2	RVR 55 or 1
B						
C	RVR 18 or 1/2	1 RVR 24 or 1/2	RVR 40 or 3/4			
D					RVR 50 or 1	1 3/8

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

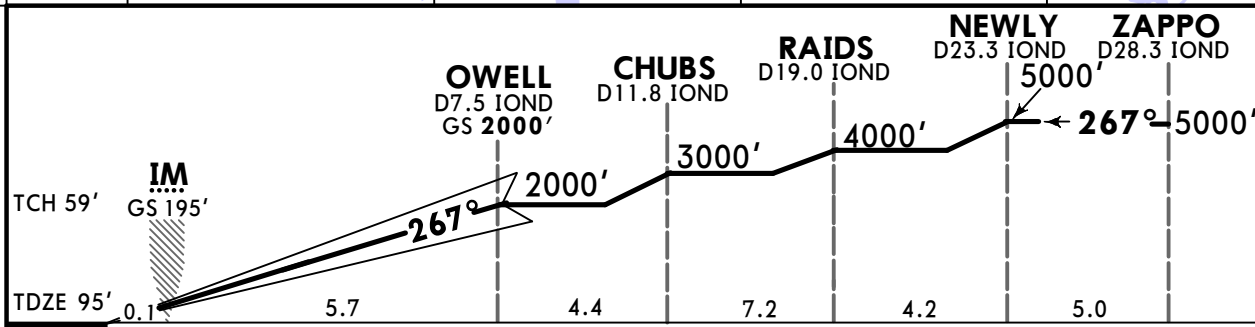
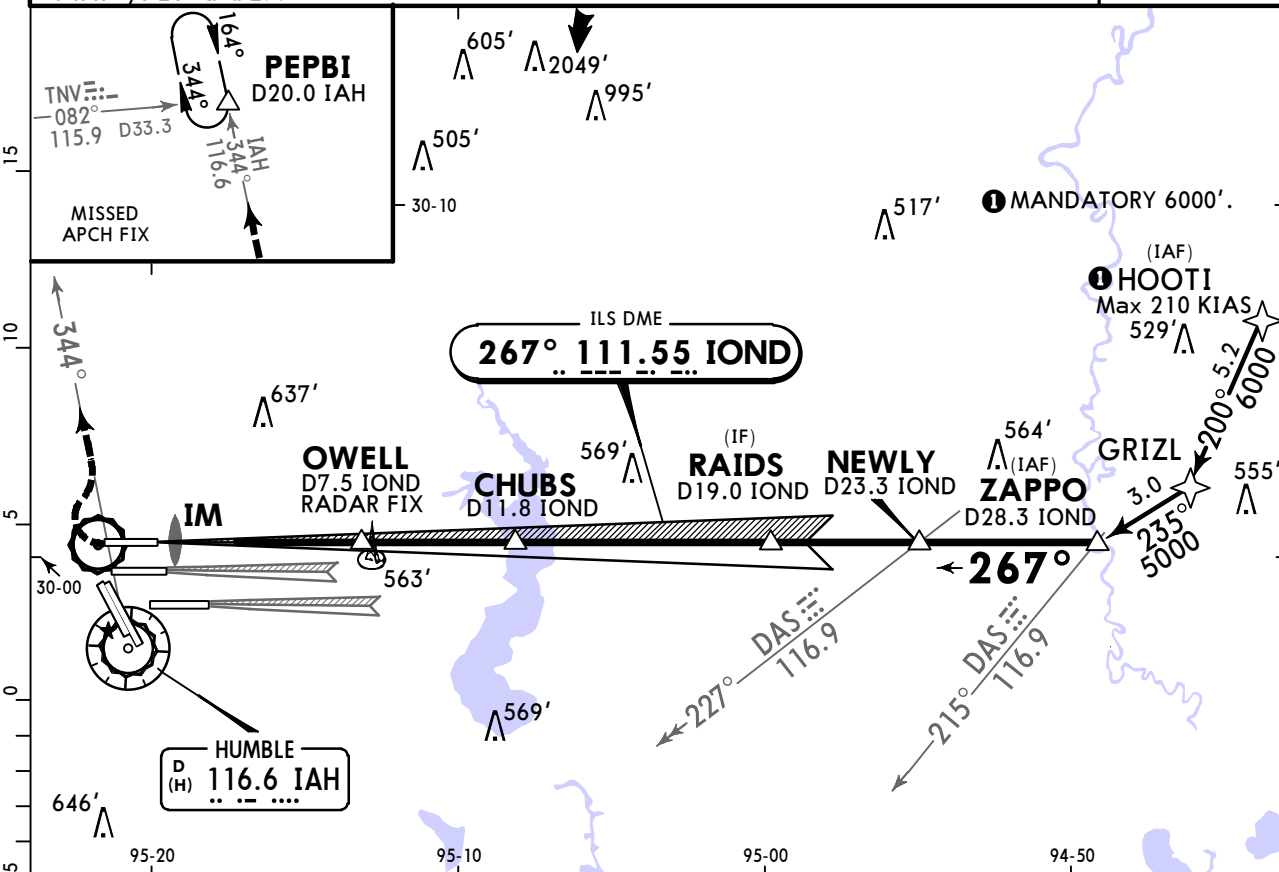
TERPS AMEND 4B 25 APR 2019

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 19 APR 19
 Eff 25 Apr **(71-6A)**

HOUSTON, TEXAS
ILS Rwy 26R CAT II & III

BRIEFING STRIP™	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
	124.05	124.35 120.05	120.725	125.35	135.15	127.3	118.575	121.7
	LOC IOND 111.55	Final Apch Crs 267°	GS OWELL 2000' (1905')	CAT III ILS Refer to Minimums	CAT II ILS RA 99' DA(H) 195' (100')	Apt Elev 96'	TDZE 95'	<p>MSA IAH VOR</p>
MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' outbound on IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold.								
Alt Set: INCHES		Trans level: FL 180			Trans alt: 18000'			
DME required. From HOOTI: RNAV 1-GPS required.								
1. Special Aircrew and Acft Certification Required. 2. Simultaneous approach authorized with Rwy 26L and 27.								



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	3000'	IAH on 116.6 R-344	PEPBI
GS	3.00°	372	478	531	637	849					

TERPS		STRAIGHT-IN LANDING RWY 26R	
CAT III ILS	RVR 6	CAT II ILS RA 99' DA(H) 195' (100')	RVR 12

1 RVR 10 authorized with specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.

TERPS AMEND 4B 25 APR 2019

KIAH/IAH GEORGE BUSH

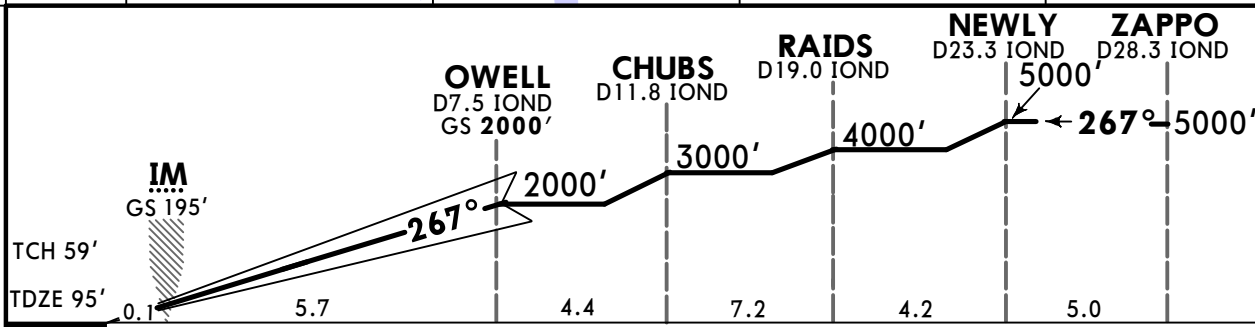
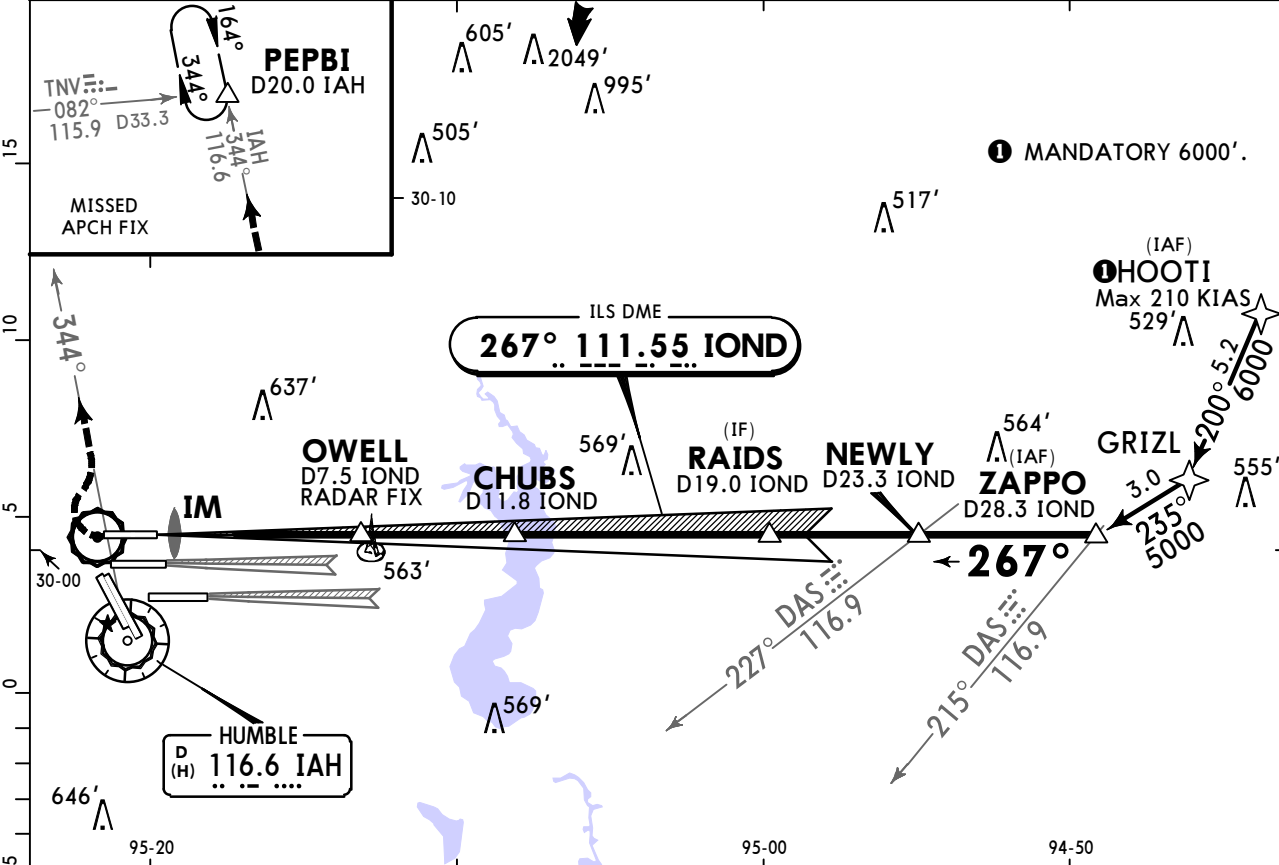
19 APR 19
Eff 25 Apr **71-6B**

HOUSTON, TEXAS

INTERCONTINENTAL/HOUSTON

ILS Rwy 26R SA CAT I

BRIEFING STRIP	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground		
		West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
	124.05	124.35	120.05	120.725	125.35	135.15	127.3	118.575	121.7
	LOC IOND 111.55	Final Apch Crs 267°		GS OWELL 2000' (1905')	SA CAT I ILS RA 157' DA(H) 245'(150')		Apt Elev 96' TDZE 95'		<p>MSA IAH VOR</p>
MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' outbound on IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold.									
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'			
DME required. From HOOTI: RNAV 1-GPS required.									
1. Special Aircrew and Aircraft Certification Required. 2. Simultaneous approach authorized with Rwys 26L and 27.									



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	3000'	IAH on 116.6 R-344	PEPBI
GS	3.00°	372	478	531	637	849					

TERPS STRAIGHT-IN LANDING RWY 26R

**SA CAT I ILS
RA 157'**
DA(H) 245'(150')

RVR 14

Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

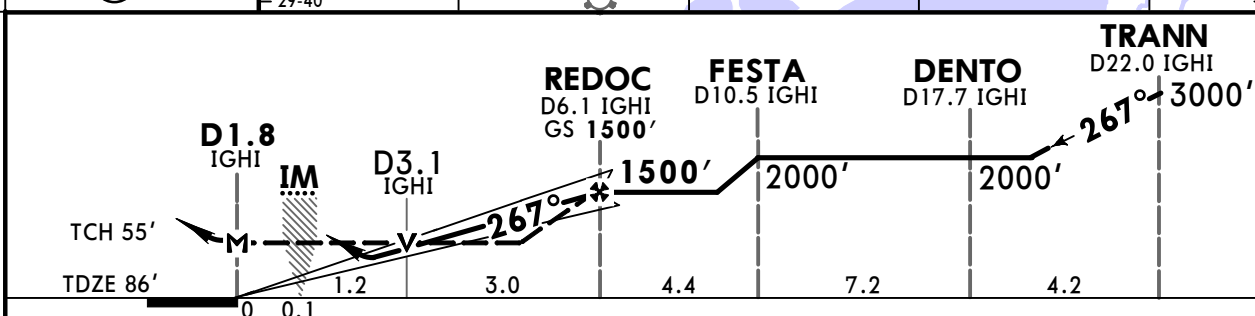
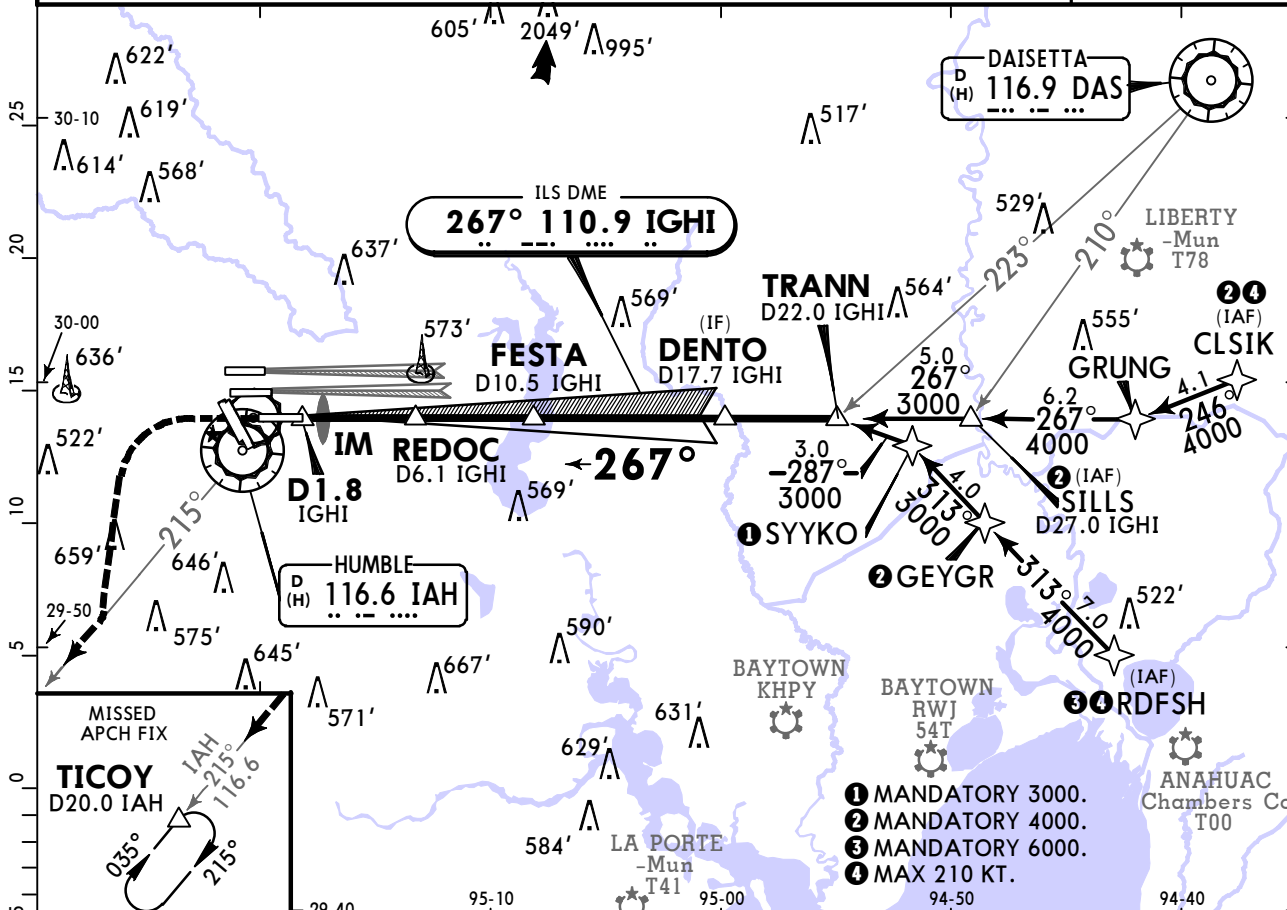
TERPS AMEND 4B 25 APR 2019

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESSEN
6 AUG 21 **(71-7)** Eff 12 Aug

HOUSTON, TEXAS ILS or LOC Rwy 27

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground	
	West		East		Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
	124.05	124.35	120.05	135.15	125.35	120.725	127.3	118.575	121.7	
	LOC IGHI	Final Apch Crs	REDOC	ILS DA(H)	Apt Elev 96' TDZE 86'					
110.9	267°	1500' (1414')	286' (200')							
MISSED APCH: Climb to 560' then climbing LEFT turn to 3000' outbound on IAH VOR R-215 to TICOY/D20.0 IAH and hold.										
Alt Set: INCHES			Trans level: FL 180				Trans alt: 18000'			
1. RNAV 1-GPS or RADAR required for procedure entry. 2. DME required. 3. Simultaneous approach authorized. 4. Use of FD or AP required during simultaneous operations. 5. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 70').										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II 	560' 	3000' 	IAH R-215	TICOY
GS	3.00°	372	478	531	637	743					
MAP at D1.8 IGH											

TERPS AMEND 11D 12 AUG 2021	TERPS									
	STRAIGHT-IN LANDING RWY 27					LOC (GS out)				
	ILS					LOC (GS out)				
	DA(H) 286' (200')					MDA(H) 560' (474')				
	FULL		TDZ/CL out		ALS out		ALS out		ALS out	
A						RVR 24 or 1/2			RVR 50 or 1	
B										
C	RVR 18 or 1/2	1 RVR 24 or 1/2		RVR 40 or 3/4						
D						RVR 50 or 1			1 3/8	
1 RVR 18 with Flight Director or Autopilot or HUD to DA.										

KIAH/IAH

GEORGE BUSH

INTERCONTINENTAL/HOUSTON



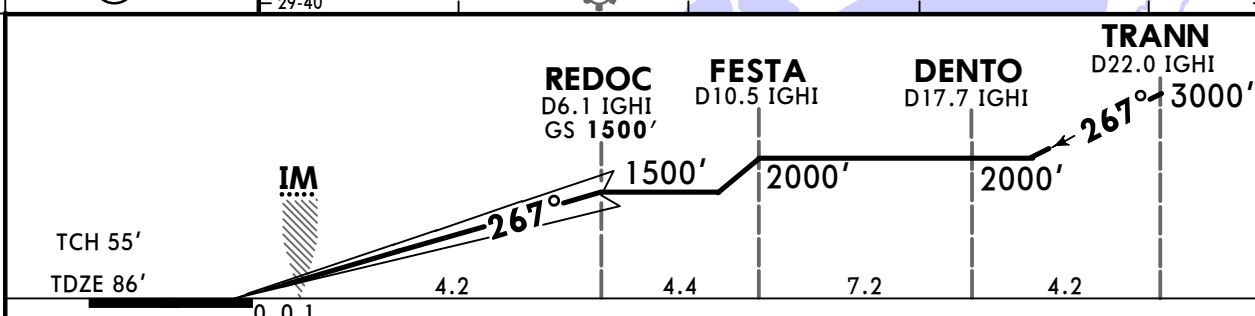
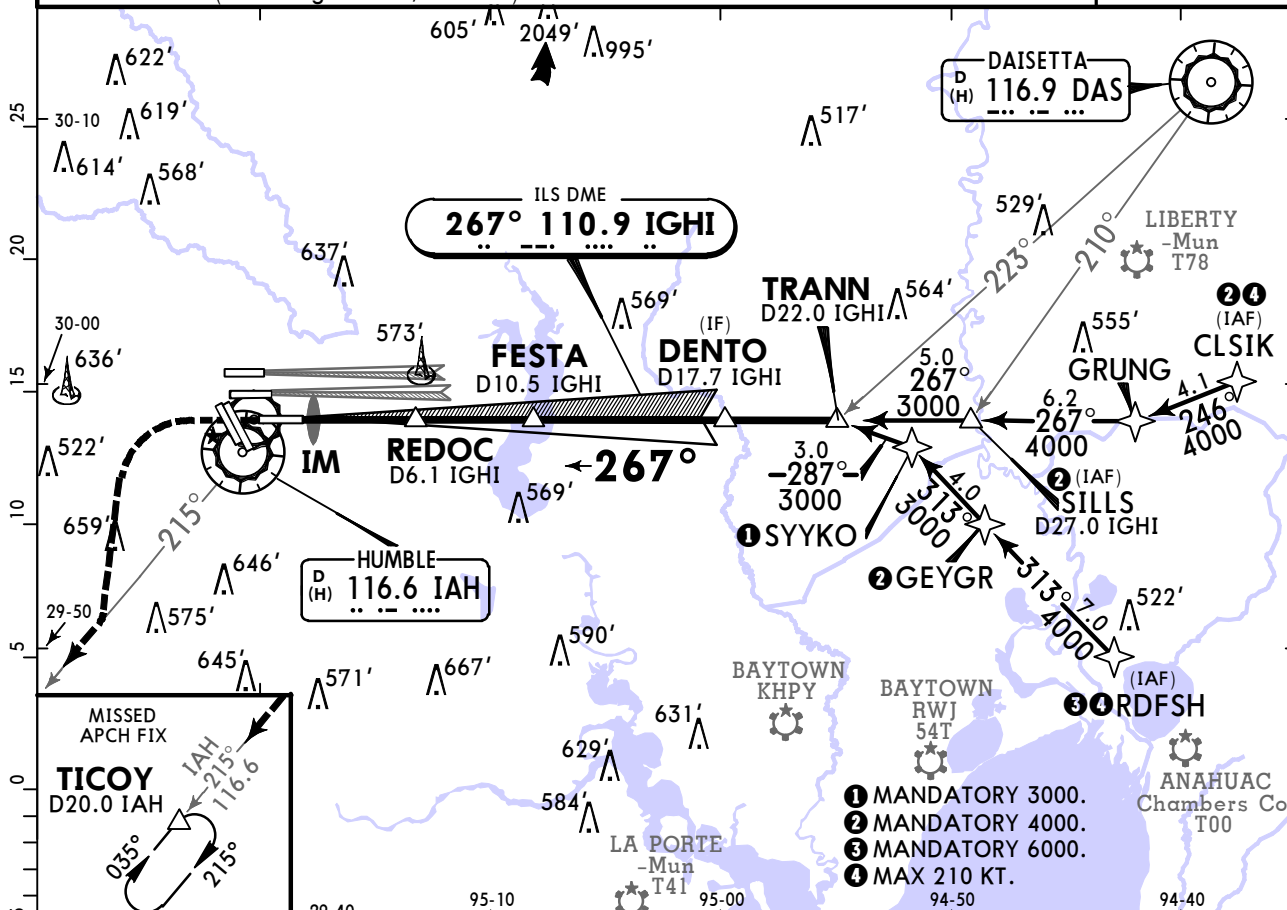
6 AUG 21
Eff 12 Aug

71-7A

HOUSTON, TEXAS

ILS Rwy 27 CAT II & III

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	LOC IGHI 110.9	Final Apch Crs 267°	REDOC 1500' (1414')	CAT III ILS Refer to Minimums	CAT II ILS RA 101' DA(H)186' (100')		Apt Elev 96' TDZE 86'		
<p>MISSED APCH: Climb to 560' then climbing LEFT turn to 3000' outbound on IAH VOR R-215 to TICOY/D20.0 IAH and hold.</p> <p>Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'</p> <p>1. Special Aircrew and Aircraft Certification Required. 2. RNAV 1-GPS or RADAR required for procedure entry. 3. DME required. 4. Simultaneous approach authorized. 5. Use of FD or AP required during simultaneous operations. 6. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 70').</p>									
									<p>MSA IAH VOR</p>



Gnd speed-Kts	70	90	100	120	140	160	ALSIF-II PAPI	560'	3000'	IAH R-215	TICOY
Gs	3.00°	372	478	531	637	743					

TERPS	STRAIGHT-IN LANDING RWY 27	
	CAT III ILS	CAT II ILS RA 101' DA(H) 186' (100')
	RVR 6	1 RVR 12

1 RVR 10 authorized with specific OPSPEC, MSPEC, or LOA approval and use of Autoland or HUD to touchdown.

TERPS AMEND 1.D 12 AUG 2021

KIAH/IAH

GEORGE BUSH

INTERCONTINENTAL/HOUSTON



6 AUG 21

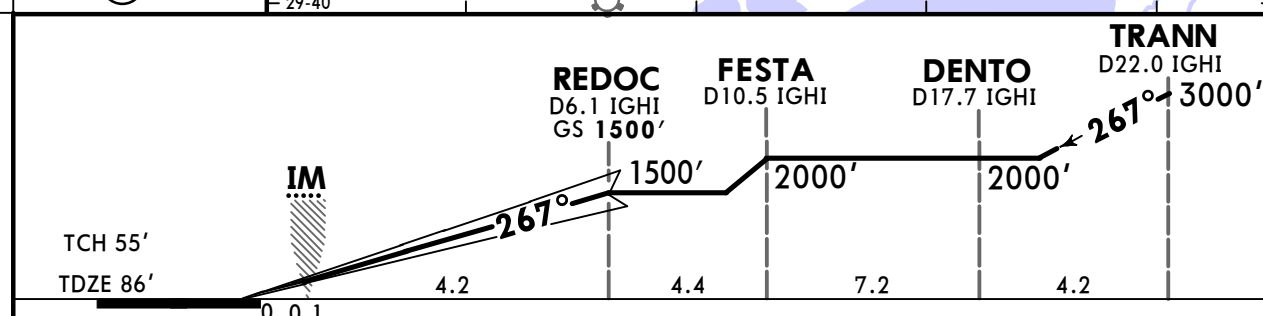
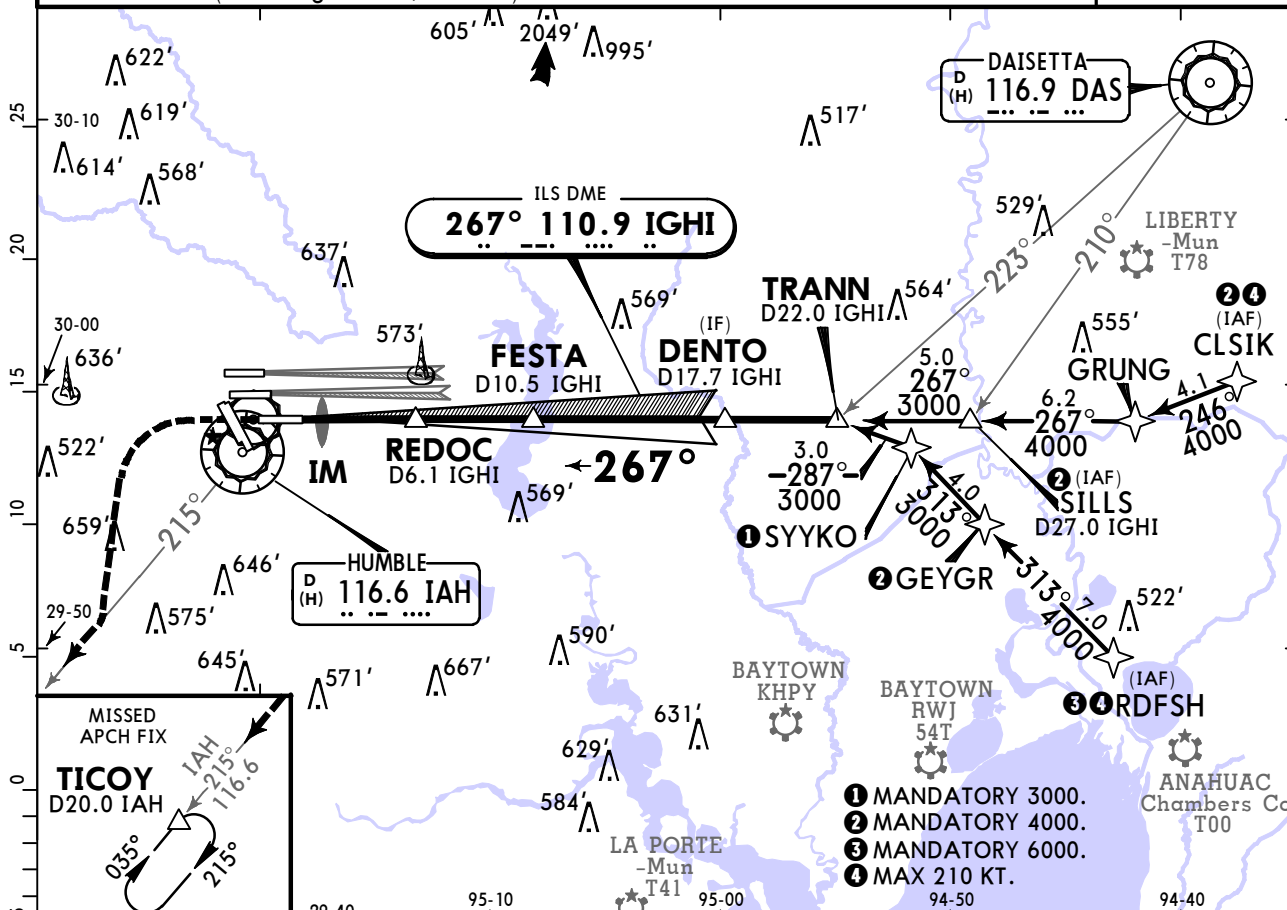
Eff 12 Aug

71-7B

HOUSTON, TEXAS

ILS Rwy 27 SA CAT I

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
		West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
	124.05	124.35	120.05	135.15	125.35	120.725	127.3	118.575	121.7
	LOC IGH I	Final Apch Crs		REDOC		SA CAT I ILS		Apt Elev 96'	
	110.9	267°		1500' (1414')		RA 157'		TDZE 86'	
<p>MISSED APCH: Climb to 560' then climbing LEFT turn to 3000' outbound on IAH VOR R-215 to TICOY/D20.0 IAH and hold.</p> <p>Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'</p> <p>1. Special Aircrew and Aircraft Certification Required. 2. RNAV 1-GPS or RADAR required for procedure entry. 3. DME required. 4. Simultaneous approach authorized. 5. Use of FD or AP required during simultaneous operations. 6. VGSI and ILS glidepath not coincident (VGSI angle 3.00°/TCH 70').</p>									
								<p>MSA IAH VOR</p>	



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	560'	3000'	IAH	TICOY
GS	3.00°	372	478	531	637	743					

TERPS STRAIGHT-IN LANDING RWY 27
SA CAT I ILS
RA 157'
 DA(H) **236'** (150')

RVR 14

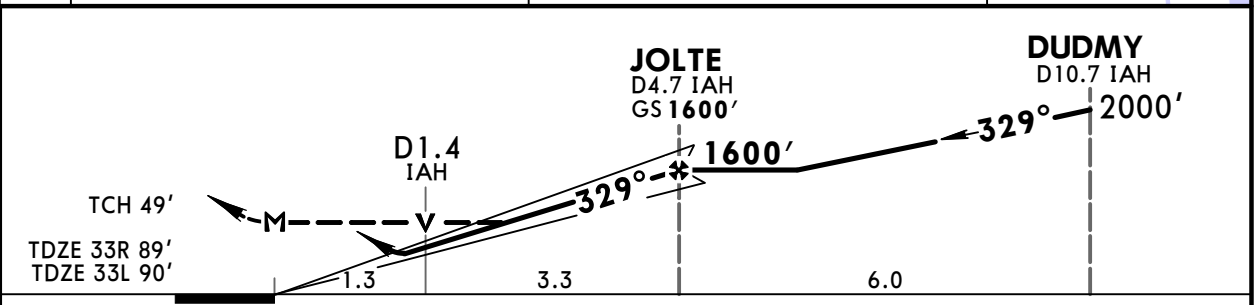
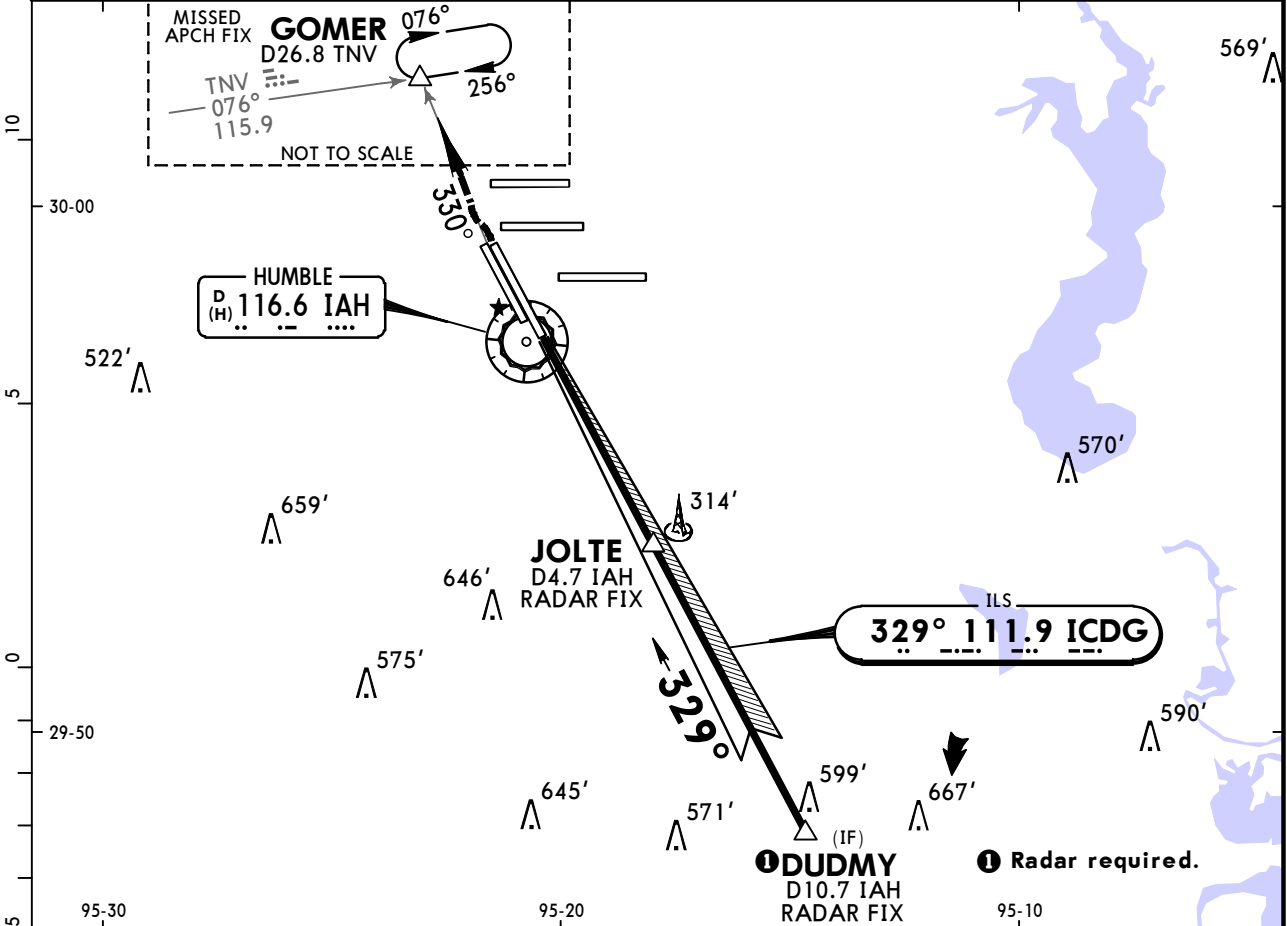
Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 17 JUN 16 (71-8)

HOUSTON, TEXAS
ILS or LOC Rwy 33R

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)		HOUSTON Tower				Ground	
		West	East	Rwys 15L/33R, 15R/33L	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	
	124.05	124.35	120.05	127.3	125.35	120.72	135.15	121.7	118.575	
	LOC ICDG 111.9	Final Apch Crs 329°	GS JOLTE 1600' (1511')	ILS DA(H) 289' (200')	Apt Elev 96' TDZE 89'					
MISSED APCH: Climb to 2000' outbound on IAH VOR R-330 to GOMER INT/D26.8 TNV and hold.										
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. DME or Radar required. 2. DME from IAH VOR. Simultaneous reception of ICDG and IAH DME required. 3. PAPI-R on Rwy 33L.										



Gnd speed-Kts	70	90	100	120	140	160	MALSR	2000'	IAH on 116.6 R-330	GOMER
GS	3.00°	372	478	531	637	743				
JOLTE to MAP	4.6	3:57	3:04	2:46	2:18	1:58	1:43			

TERPS	STRAIGHT-IN LANDING RWY 33R				SIDESTEP LANDING RWY 33L	
	ILS DA(H) 289' (200')		LOC (GS out) MDA(H) 540' (451')		MDA(H) 540' (450')	
	FULL		RAIL/ALS out		RAIL/ALS out	
	A			RVR 24 or 1/2	RVR 50 or 1	1
	B					
C	1 RVR 24 or 1/2	RVR 40 or 3/4		RVR 45 or 7/8	1 1/2	
D				1 3/8	2	

1 RVR 18 authorized with the use of Flight Director or Autopilot or HUD to DA.

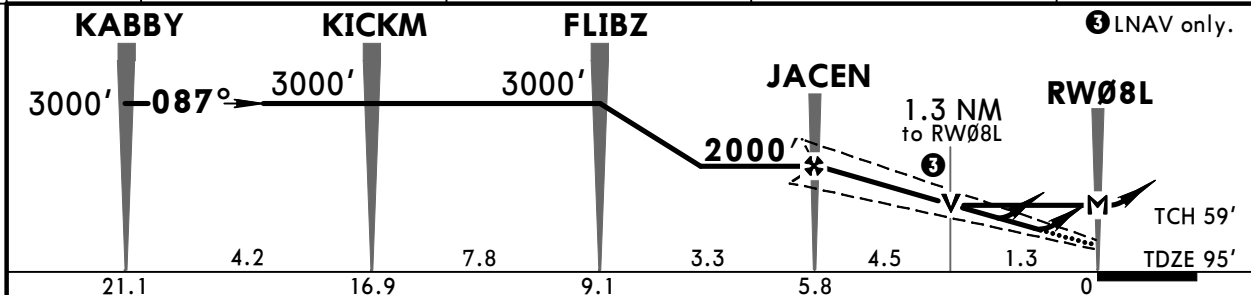
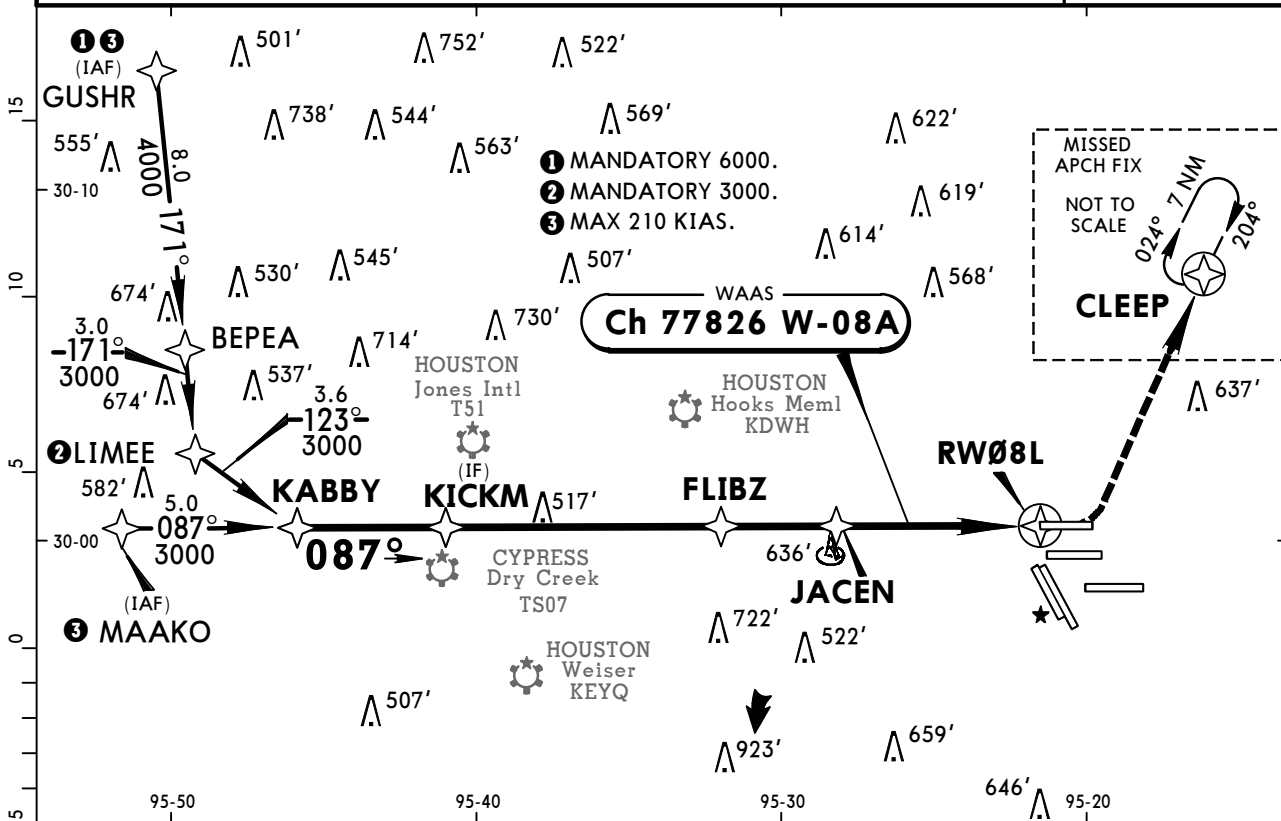
TERPS AMEND 13A 23 JUN 2016

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 16 NOV 18 **(72-1)**

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 8L

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
		West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
	124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7
	WAAS Ch 77826 W-08A	Final Apch Crs 087°	Minimum Alt JACEN 2000' (1905')	LPV DA(H) 295' (200')	Apt Elev 96' TDZE 95'				
MISSED APCH: Climb to 580', then climbing LEFT turn to 4000' direct CLEEP and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Radar required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. Simultaneous approach authorized with Rwy 8R and Rwy 9. 5. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations.									



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	580'	4000'	D →	CLEEP
Glide Path Angle	3.00°	372	478	531	637	743					
LPV, LNAV/VNAV: MAP at DA											
LNAV: MAP at RW08L											

TERPS AMEND 5C 17 AUG 2017	TERPS						STRAIGHT-IN LANDING RWY 8L					
	LPV DA(H) 295' (200')			LNAV/VNAV DA(H) 486' (391')			LNAV MDA(H) 580' (485')					
	TDZ/CL out		ALS out		ALS out		ALS out		ALS out			
	A									RVR 24 or 1/2	RVR 50 or 1	
B												
C	RVR 18 or 1/2	RVR 24 or 1/2	RVR 40 or 3/4		RVR 40 or 3/4		RVR 60 or 1/4			RVR 50 or 1	1 3/8	
D												

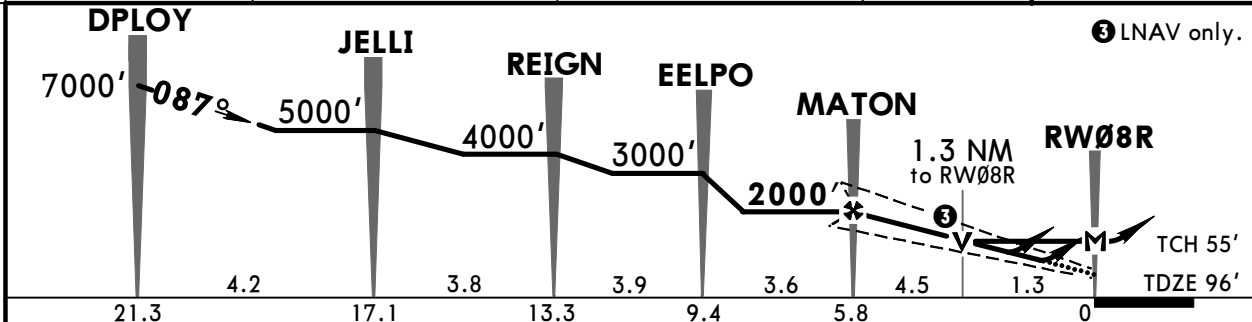
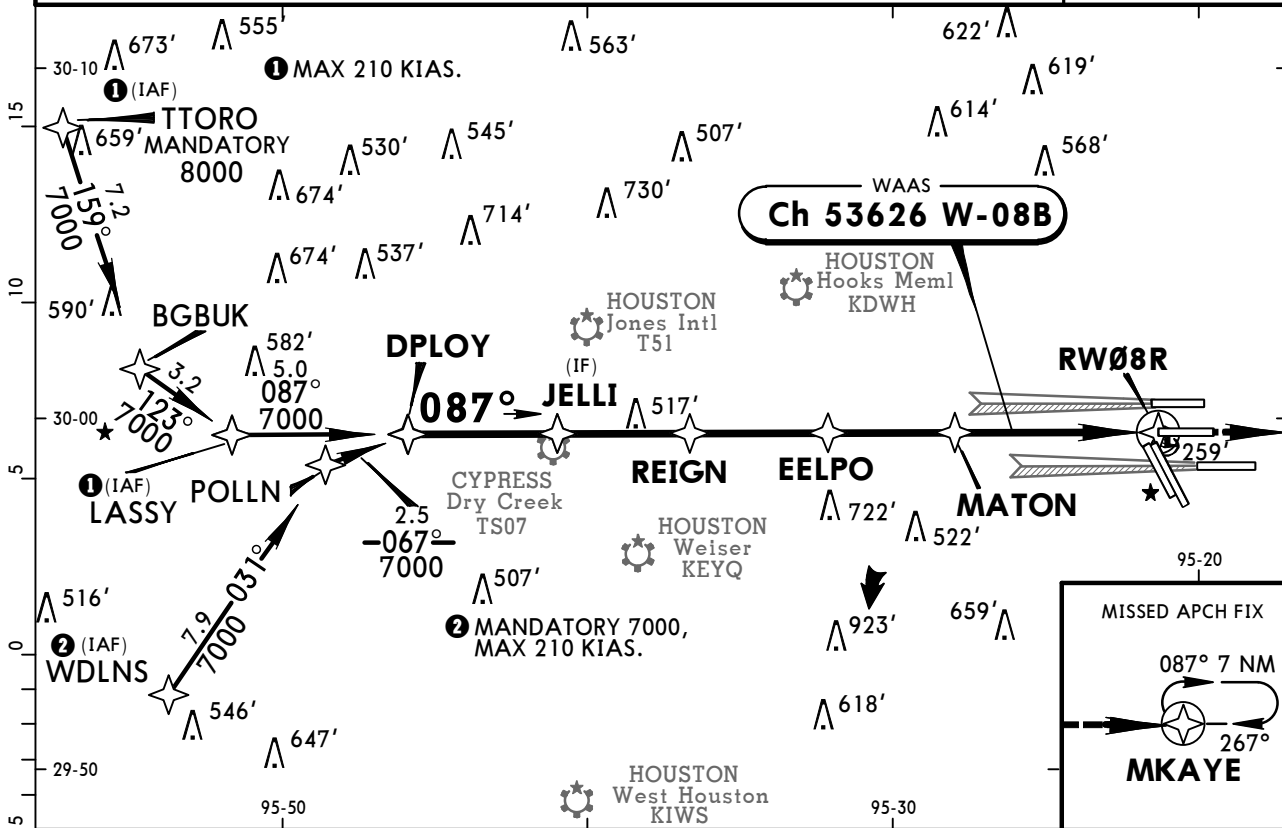
1 Not authorized during simultaneous operations.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 16 NOV 18 **(72-2)**

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 8R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 8R/26L 125.35	Rwy 8L/26R 120.72	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 8R/26L, 8L/26R, 9/27 118.575	Rwys 15L/33R, 15R/33L 121.7
	WAAS Ch 53626 W-08B	Final Apch Crs 087°	Minimum Alt MATON 2000' (1904')	LPV DA(H) 296' (200')	Apt Elev 96'	Ground			
MISSED APCH: Climb to 3000' direct MKAYE and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Radar required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. VGSI and RNAV glidepath not coincident. 5. Simultaneous approach authorized with Rwy 8L and Rwy 9. 6. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations.									
								3100	
								MSA RW08R	



Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI	3000'	D → MKAYE
Glide Path Angle 3.00°	372	478	531	637	743	849			
LPV, LNAV/VNAV: MAP at DA									
LNAV: MAP at RW08R									

TERPS	STRAIGHT-IN LANDING RWY 8R				1 LNAV
	LPV DA(H) 296'(200')	LNAV/VNAV DA(H) 421'(325')		MDA(H) 580'(484')	
	TDZ/CL out	RAIL/ALS out		RAIL/ALS out	RAIL/ALS out
A					RVR 24 or 1/2
B	RVR 18 or 1/2	RVR 24 or 1/2	RVR 40 or 3/4	RVR 32 or 5/8	RVR 50 or 1
C					RVR 50 or 1
D					1 3/8

1 Not authorized during simultaneous operations.

CHANGES: MKAYE holding length.

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TERPS AMEND 4C 17 AUG 2017

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GEORGE BUSH
INTERCONTINENTAL/HOUSTON

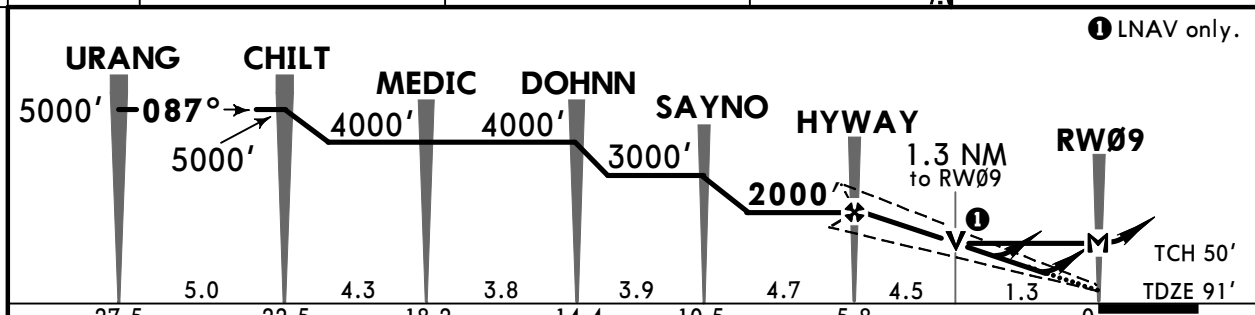
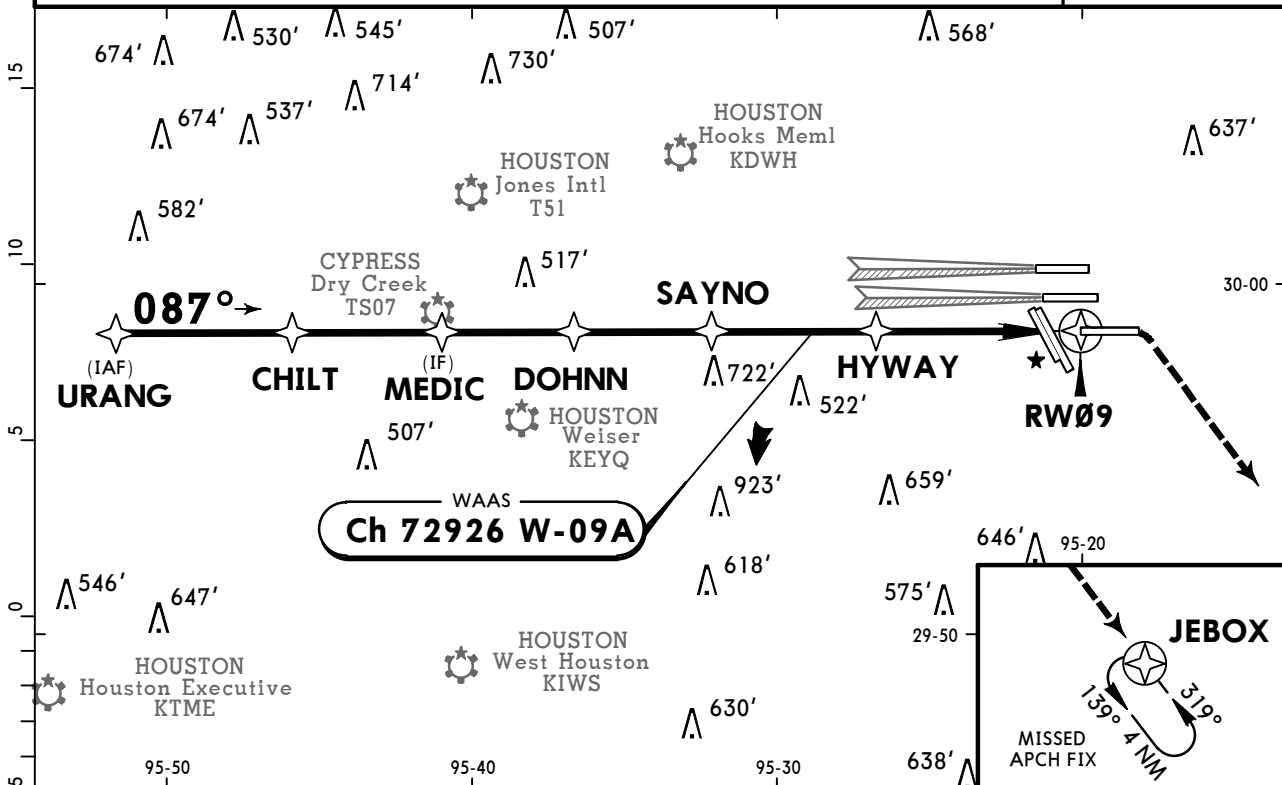


HOUSTON, TEXAS

24 JAN 20 **(72-3)** Eff 30 Jan

RNAV (GPS) Z Rwy 9

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8R/26L 125.35	Rwy 8L/26R 120.72	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	WAAS Ch 72926 W-09A	Final Apch Crs 087°		HYWAY 2000' (1909')	LPV DA(H) 291' (200')		Apt Elev 96' TDZE 91'		<p>3100 MSA RW09</p>
MISSED APCH: Climb to 580', then climbing RIGHT turn to 3000' direct JEBOX and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Radar required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. VGSI and RNAV glidepath not coincident. 5. Simultaneous approach authorized with Rwy 8L/R. 6. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations.									



Gnd speed-Kts	70	90	100	120	140	160	MALSR	580'	3000'	D → JEBOX
Glide Path Angle	3.00°	372	478	531	637	849	PAPI	↑	RT	
LPV, LNAV/VNAV: MAP at DA										
LNAV: MAP at RW09										

TERPS						STRAIGHT-IN LANDING RWY 9					
LPV DA(H) 291' (200')		LNAV/VNAV DA(H) 525' (434')		LNAV MDA(H) 580' (489')		RAIL/ALS out		RAIL/ALS out		RAIL/ALS out	
A	1 RVR 24 or 1/2	RVR 40 or 3/4		RVR 50 or 1		1 1/2		RVR 24 or 1/2		RVR 50 or 1	
B											
C											
D											

1 RVR 18 with Flight Director or Autopilot or HUD to DA. **2** Not authorized during simultaneous operations.

TERPS AMEND 5B 07 DEC 2017

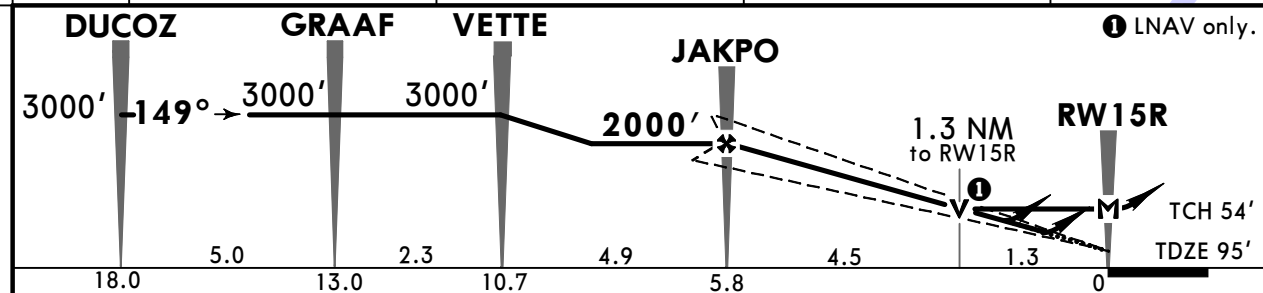
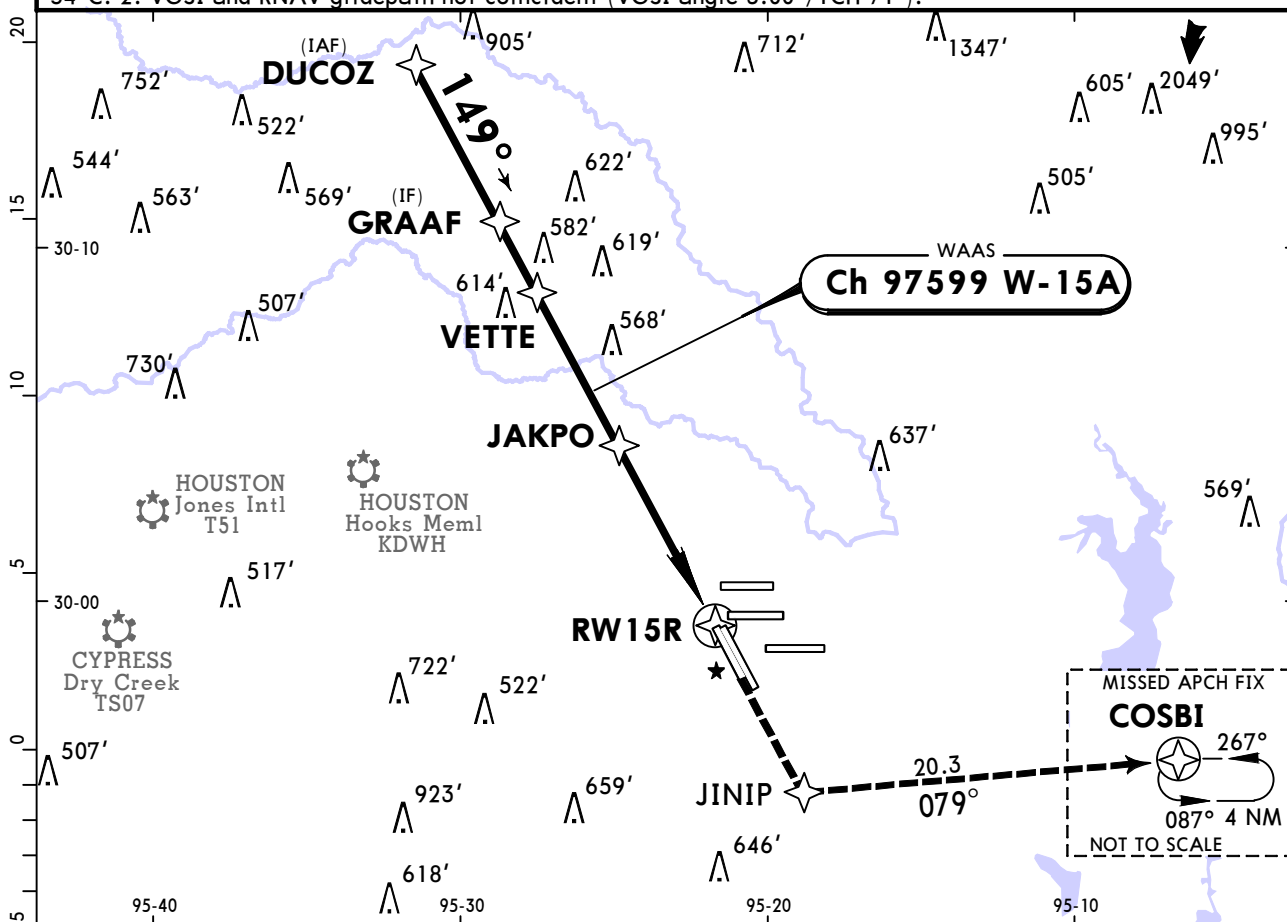
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON



24 JAN 20 **(72-4)** **Eff 30 Jan**

HOUSTON, TEXAS
RNAV (GPS) Rwy 15R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwys 15R/33L, 15L/33R	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15R/33L, 15L/33R	Rwys 8L/26R, 8R/26L, 9/27
				127.3	120.72	125.35	135.15	121.7	118.575
	WAAS Ch 97599 W-15A	Final Apch Crs 149°	JAKPO 2000' (1905')		LPV DA(H) 295' (200')	Apt Elev 96' TDZE 95'		3100 MSA RW15R	
MISSED APCH: Climb to 2000' direct JINIP and LEFT turn on track 079° to COSBI and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'									
RADAR required for procedure entry. RNP Apch.									
1. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C or above 54°C. 2. VGSI and RNAV glidepath not coincident (VGSI angle 3.00°/TCH 71').									



Gnd speed-Kts	70	90	100	120	140	160	MALSR 2000'	PAPI D	JINIP
Glide Path Angle 3.00°	372	478	531	637	743	849			
LPV, LNAV/VNAV: MAP at DA									
LNAV: MAP at RW15R									

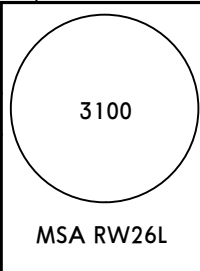
TERPS		STRAIGHT-IN LANDING RWY 15R			LNAV		
LPV		LNAV/VNAV			LNAV		
DA(H) 295' (200')		DA(H) 460' (365')			MDA(H) 580' (485')		
TDZ/CL out		RAIL/ALS out		RAIL/ALS out		RAIL/ALS out	
A							
B	RVR 18	RVR 24	RVR 40	RVR 35	RVR 55	RVR 24	RVR 50
C	or 1/2	or 1/2	or 3/4	or 5/8	or 1	or 1/2	or 1
D						RVR 50	1 3/8
						or 1	

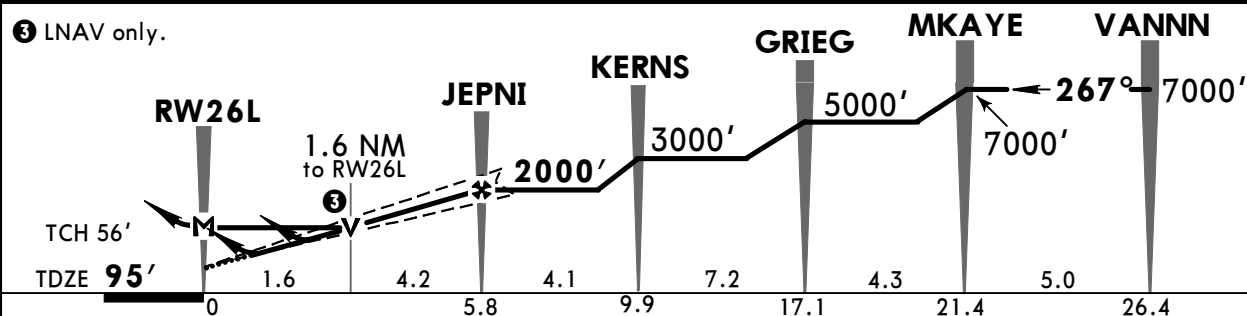
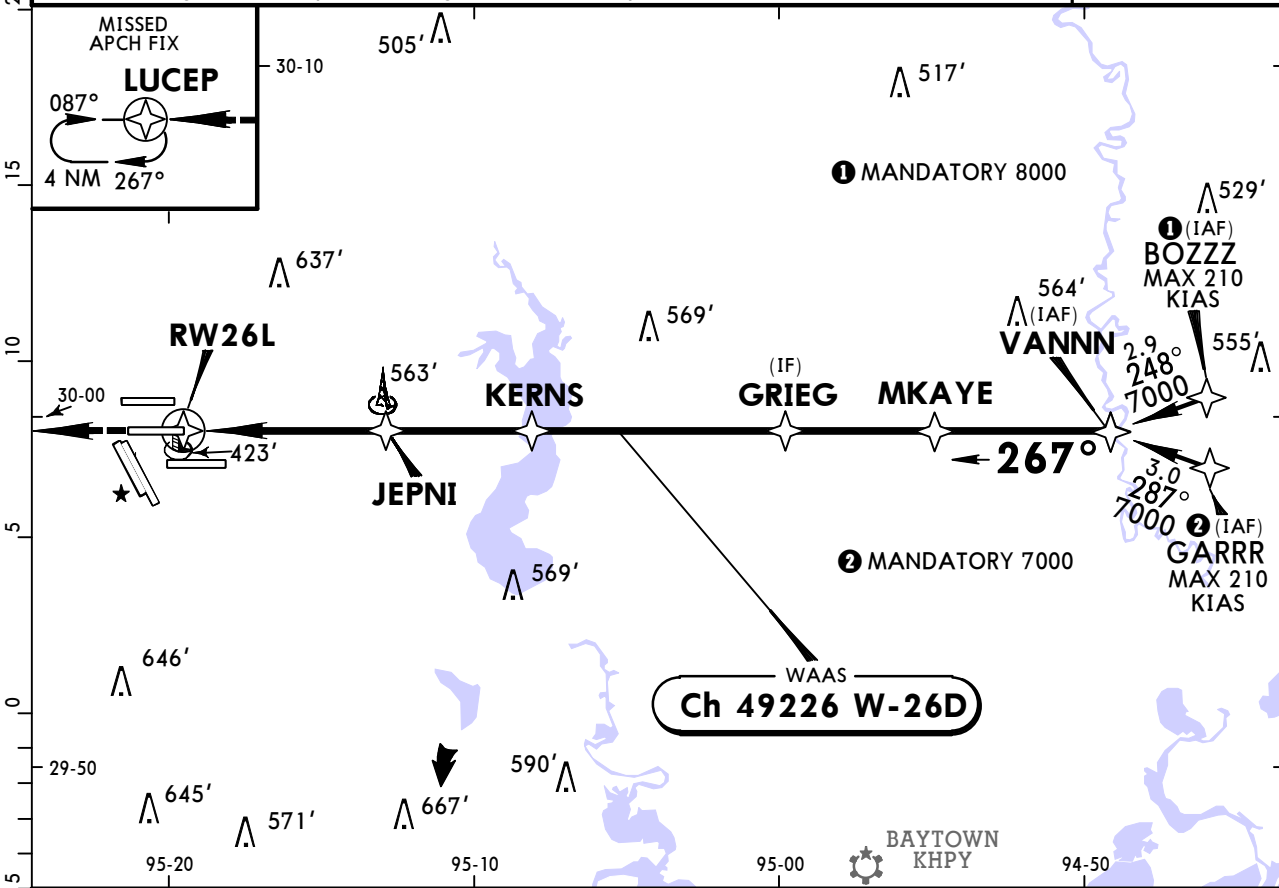
1 RVR 18 with Flight Director or Autopilot or HUD to DA.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 11 AUG 17 **(72-5)**

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 26L

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)			HOUSTON Tower			Ground		
			West	East		Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
	124.05		124.35	120.05		125.35	120.72	135.15	127.3	118.575	121.7
	WAAS Ch 49226 W-26D		Final Apch Crs 267°		Minimum Alt JEPNI 2000' (1905')		LPV DA(H) 295' (200')		Apt Elev 96' TDZE 95'		
MISSED APCH: Climb to 3000' direct LUCEP and hold.											
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'											
1. Radar required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. VGS and RNAV glidepath not coincident. 5. Simultaneous approach authorized with Rwy 26R and Rwy 27. 6. Use of flight director or autopilot providing RNAV track guidance required during simultaneous operations.											



Gnd speed-Kts	70	90	100	120	140	160	ALSIF-II PAPI	3000'	D →	LUCERP
Glide Path Angle	3.00°									
LPV, LNAV/VNAV: MAP at DA	372	478	531	637	743	849				
LNAV: MAP at RW26L										

TERPS							STRAIGHT-IN LANDING RWY 26L	
LPV			LNAV/VNAV			LNAV		
DA(H) 295' (200')			DA(H) 586' (491')			MDA(H) 680' (585')		
TDZ/CL out		ALS out			ALS out			
A	RVR 18	RVR 24	RVR 40	RVR 60	1 5/8	RVR 24	RVR 55	
B	or 1/2	or 1/2	or 3/4	or 1 1/8		or 1/2	or 1	
C						1 1/4	1 3/4	
D								

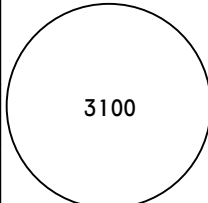
L Procedure not authorized during simultaneous operations.

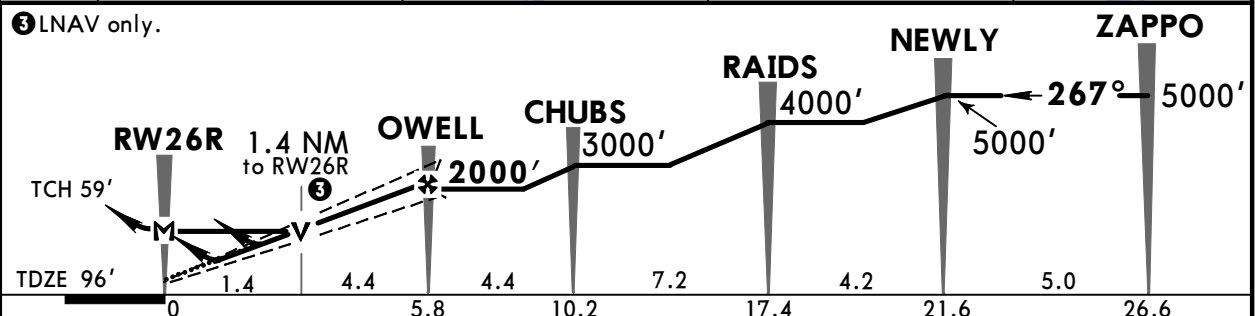
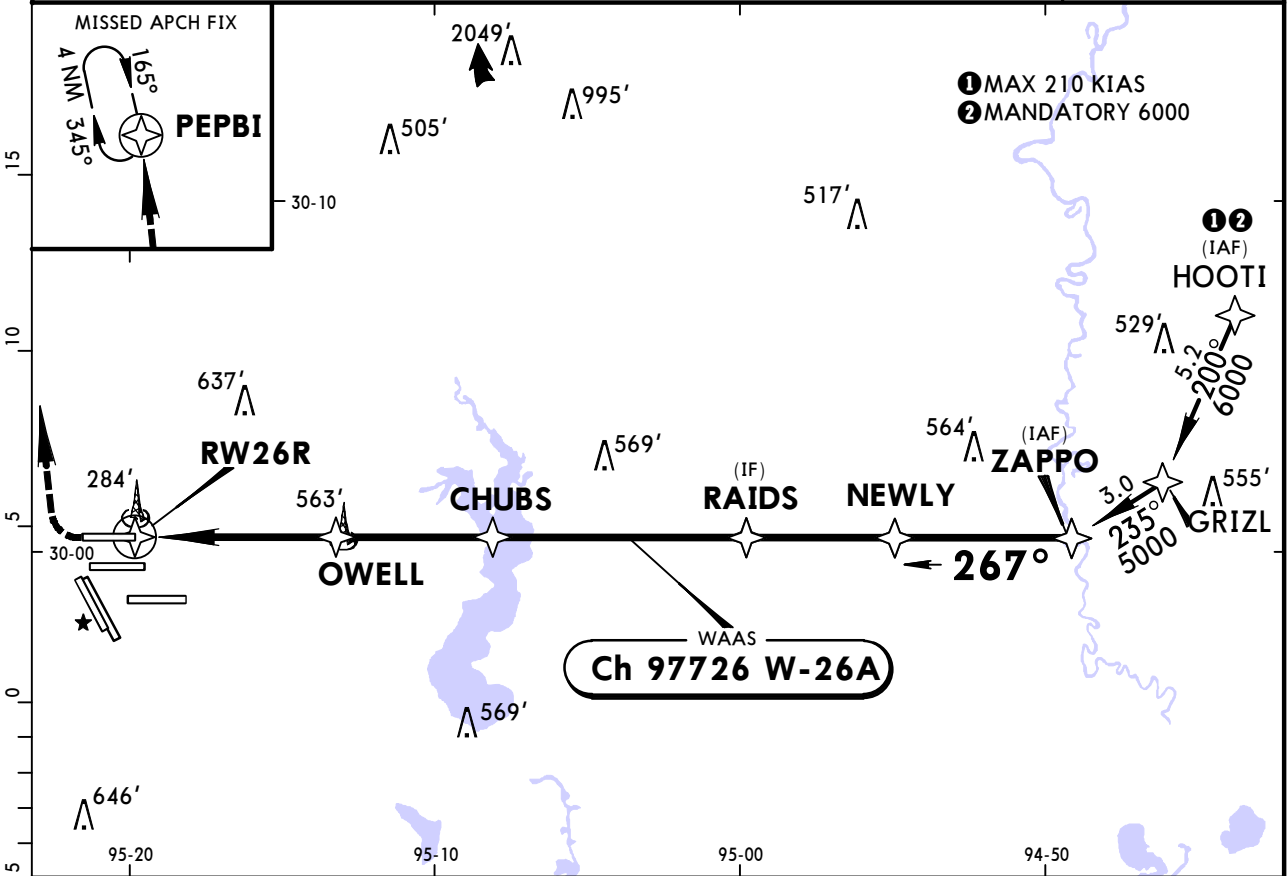
TERPS AMEND 4B 17 AUG 2017

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 11 AUG 17 **(72-6)**

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 26R

BRIEFING STRIP™	D-ATIS		HOUSTON Approach (R)		HOUSTON Tower			Ground		
			West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
	124.05		124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7
WAAS Ch 97726 W-26A		Final Apch Crs 267°		Minimum Alt OWELL 2000' (1904')		LPV DA(H) 296' (200')		Apt Elev 96' TDZE 96'		 3100 MSA RW26R
MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' direct PEPBI and hold.										
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Radar required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. Simultaneous approach authorized with Rwy 26L and Rwy 27. 5. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations.										



Gnd speed-Kts	70	90	100	120	140	160	ALSIF-II	600'	3000'	PEPBI
Glide Path Angle	3.00°							↑	RT	→
LPV, LNAV/VNAV: MAP at DA										
LNAV: MAP at RW26R										

TERPS							STRAIGHT-IN LANDING RWY 26R		
LPV			LNAV/VNAV			LNAV			
DA(H) 296' (200')			DA(H) 496' (400')			MDA(H) 600' (504')			
TDZ/CL out		ALS out			ALS out				
A									
B	RVR 18	RVR 24	RVR 40	RVR 42	1 1/4	RVR 24	RVR 55		
C	or 1/2	or 1/2	or 3/4	or 3/4		or 1/2	or 1		
D						RVR 55	1 3/8		
						or 1			

L Procedure not authorized during simultaneous operations.

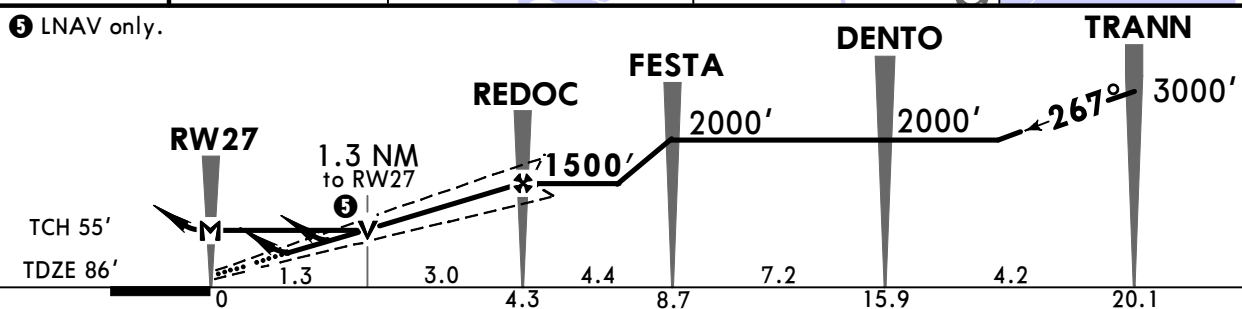
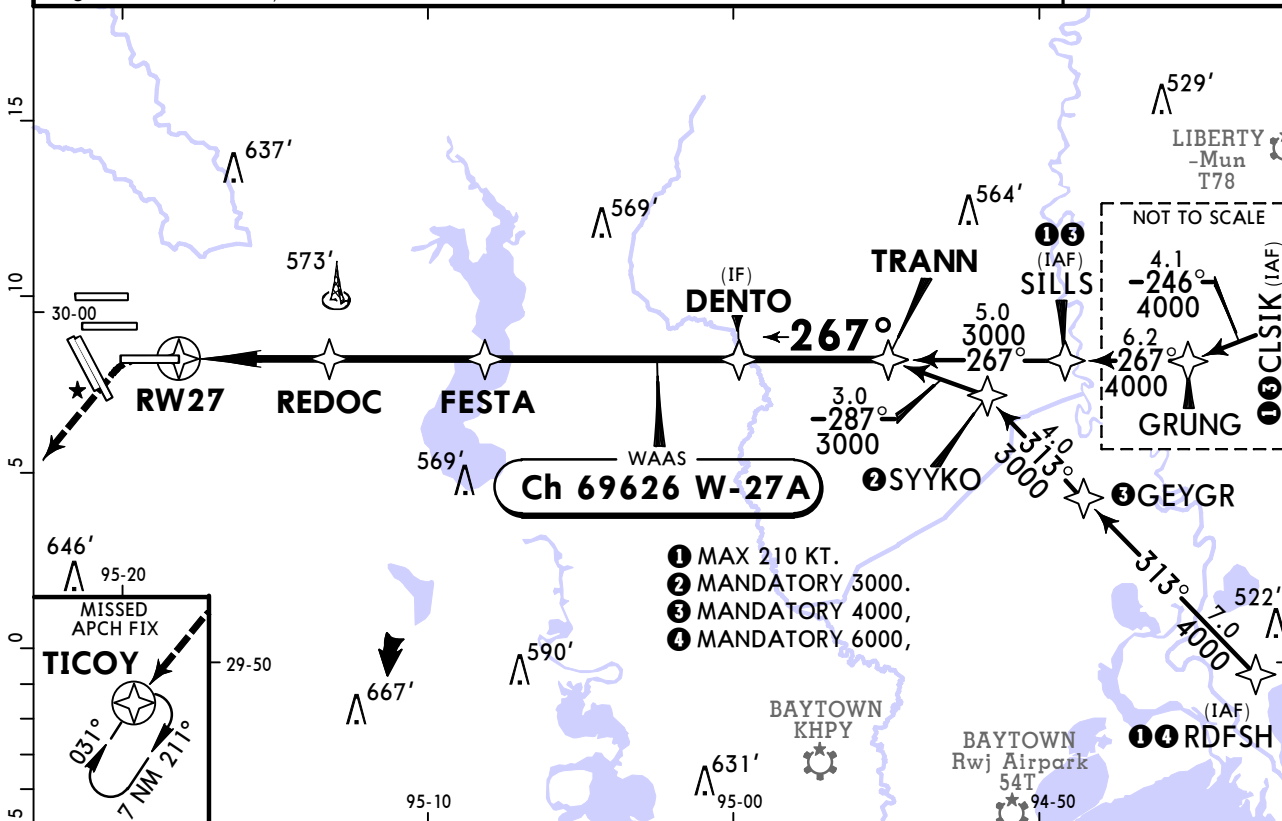
TERPS AMEND 4B 17 AUG 2017

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 16 APR 21 **72-7** Eff 22 Apr

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 27

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	WAAS Ch 69626 W-27A	Final Apch Crs 267°		REDOC 1500' (1414')		LPV DA(H) 286' (200')		Apt Elev 96' TDZE 86'	
	MISSED APCH: Climb to 560' then climbing LEFT turn to 3100' direct TICOY and hold.								 MSA RW27
RNP Apch	Alt Set: INCHES		Trans level: FL 180		Trans alt: 18000'				
1. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -2°C or above 54°C. 2. Simultaneous approach authorized. 3. Use of Flight Director or Autopilot required during simultaneous operations. 4. LNAV procedure not authorized during simultaneous operations. 5. VGSI and RNAV glidepath not coincident (VGSI angle 3.00°/TCH 70').									



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI 	560'	3100'		
Glide Path Angle	3.00°	372	478	531	637	743		849	↑		LT
LPV, LNAV/VNAV: MAP at DA											
LNAV: MAP at RW27											

TERPS	STRAIGHT-IN LANDING RWY 27					
	LPV		LNAV/VNAV		LNAV	
	DA(H) 286' (200')		DA(H) 476' (390')		MDA(H) 560' (474')	
	TDZ/CL out	ALS out		ALS out		ALS out
A						
B	RVR 18	1 RVR 24	RVR 40	RVR 35	RVR 60	RVR 24 or 1/2
C	or 1/2	or 1/2	or 3/4	or 5/8	or 1 1/8	or 1
D						RVR 50 or 1

1 RVR 18 with Flight Director or Autopilot or HUD to DA.

TERPS AMEND 5B 22 APR 2021

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

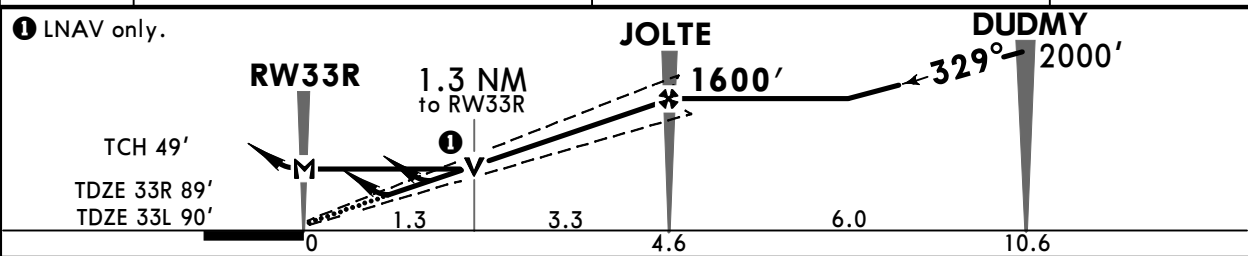
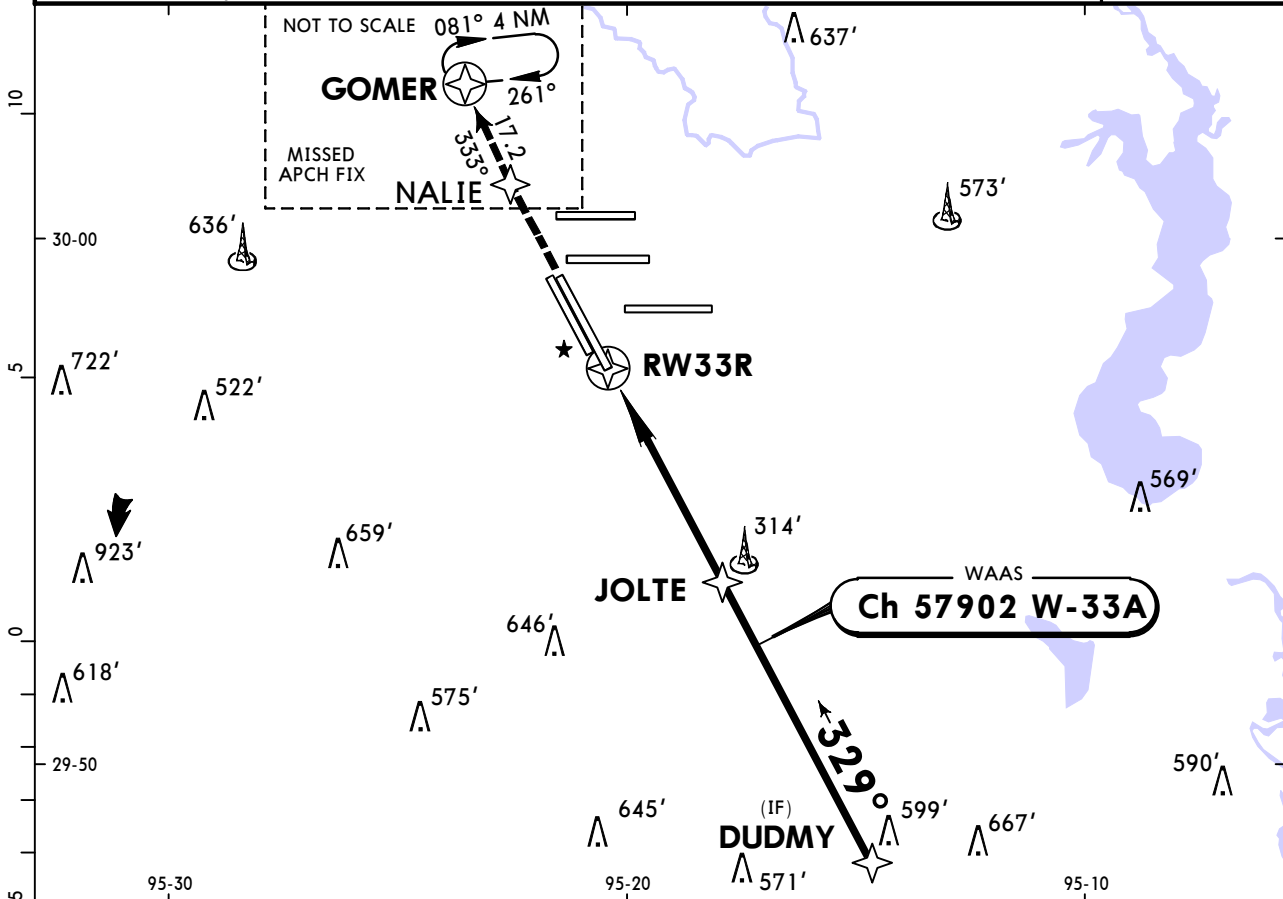


HOUSTON, TEXAS

16 APR 21 **72-8** Eff 22 Apr

RNAV (GPS) Rwy 33R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
		West	East	Rwys 15L/33R, 15R/33L	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27
	124.05	124.35	120.05	127.3	125.35	120.725	135.15	121.7	118.575
	WAAS Ch 57902 W-33A	Final Apch Crs 329°		JOLTE 1600' (1511')		LPV DA(H) 289' (200')		Apt Elev 96' TDZE 89'	
MISSED APCH: Climb to 2000' direct NALIE and on track 333° to GOMER and hold.								<div style="border: 1px solid black; border-radius: 50%; width: 60px; height: 60px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">3100</div> MSA RW33R	
Alt Set: INCHES		Trans level: FL 180			Trans alt: 18000'				
1. RADAR required. 2. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 3. DME/DME RNP-0.30 not authorized. 4. PAPI-R on Rwy 33L.									



Gnd speed-Kts	70	90	100	120	140	160	MALSR 2000'	D → NALIE
Glide Path Angle	3.00°	372	478	531	637	743		
LPV, LNAV/VNAV: MAP at DA								
LNAV: MAP at RW33R								

	STRAIGHT-IN LANDING RWY 33R				SIDESTEP LANDING RWY 33L MDA(H) 540'(450')
	LPV DA(H) 289'(200')	LNAV/VNAV DA(H) 490'(401')		LNAV MDA(H) 540'(451')	
	RAIL/ALS out		RAIL/ALS out		RAIL/ALS out
A					
B	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 45 or 7/8	1 3/8	RVR 24 or 1/2
C					RVR 45 or 7/8
D					1 3/8

1 RVR 18 with use of Flight Director or Autopilot or HUD to DA.

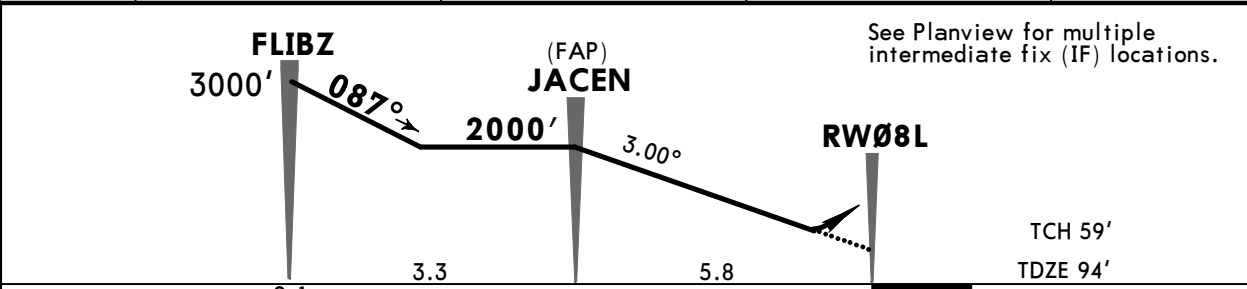
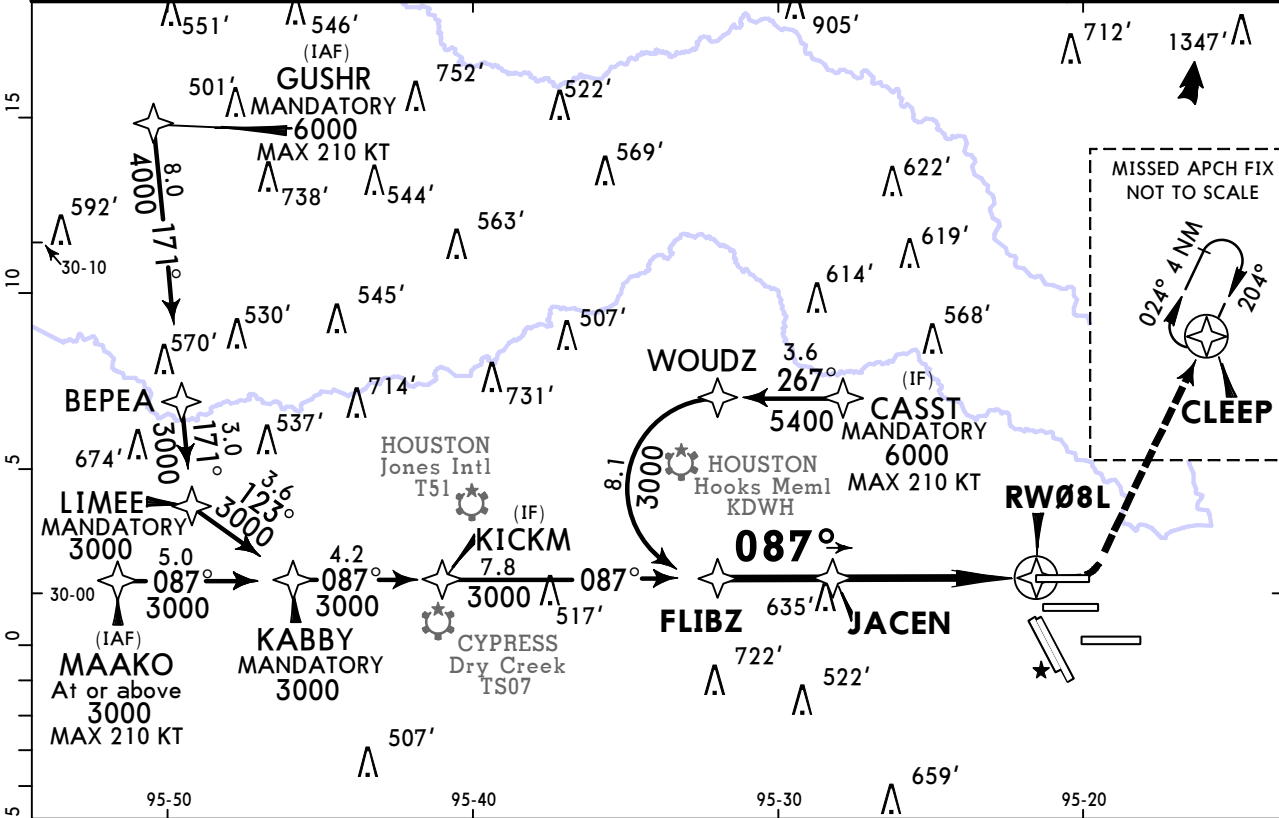
TERPS AMEND 2B 7 DEC 2017

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 13 MAY 22 **72-20** Eff 19 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 8L

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground	
	124.05	West 124.35	East 120.05	Rwy 8L/26R 120.725	Rwy 8R/26L 125.35	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 8L/26R, 8R/26L, 9/27 118.575
	RNAV	Final Apch Crs 087°		JACEN 2000' (1906')		RNP 0.30 DA(H) 465' (371')	Apt Elev 96'	
MISSED APCH: Climb to 580' then climbing LEFT turn to 4000' direct CLEEP and hold.								
RNP AR Apch - GPS Alt Set: INCHES Trans level: FL 180 Trans alt: 18000'								
1. Authorization required. 2. Simultaneous approach authorized. 3. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 4. For uncompensated Baro-VNAV systems, procedure not authorized below -2°C or above 54°C.								



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	580'	4000'	D →	CLEEP
Glide Path Angle	3.00°	372	478	531	637	743					

TERPS STRAIGHT-IN LANDING RWY 8L
 RNP 0.30
 DA(H) **465'** (371')

		ALS out
A		
B		
C	RVR 35 or 5/8	RVR 55 or 1
D		

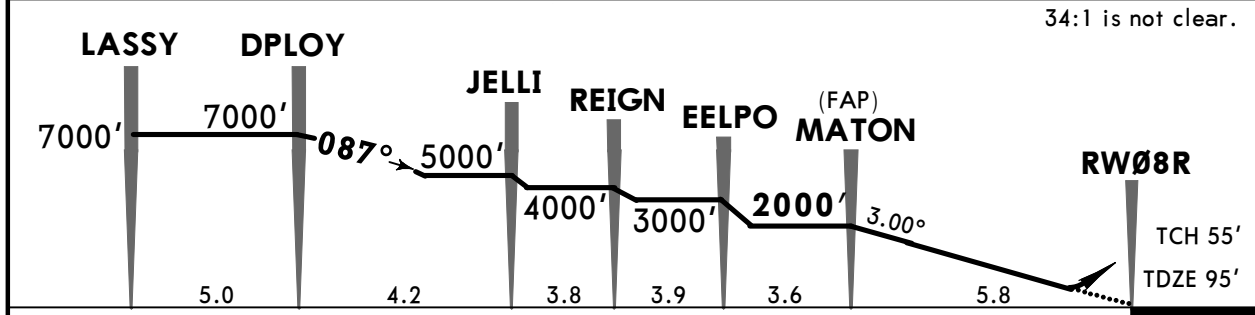
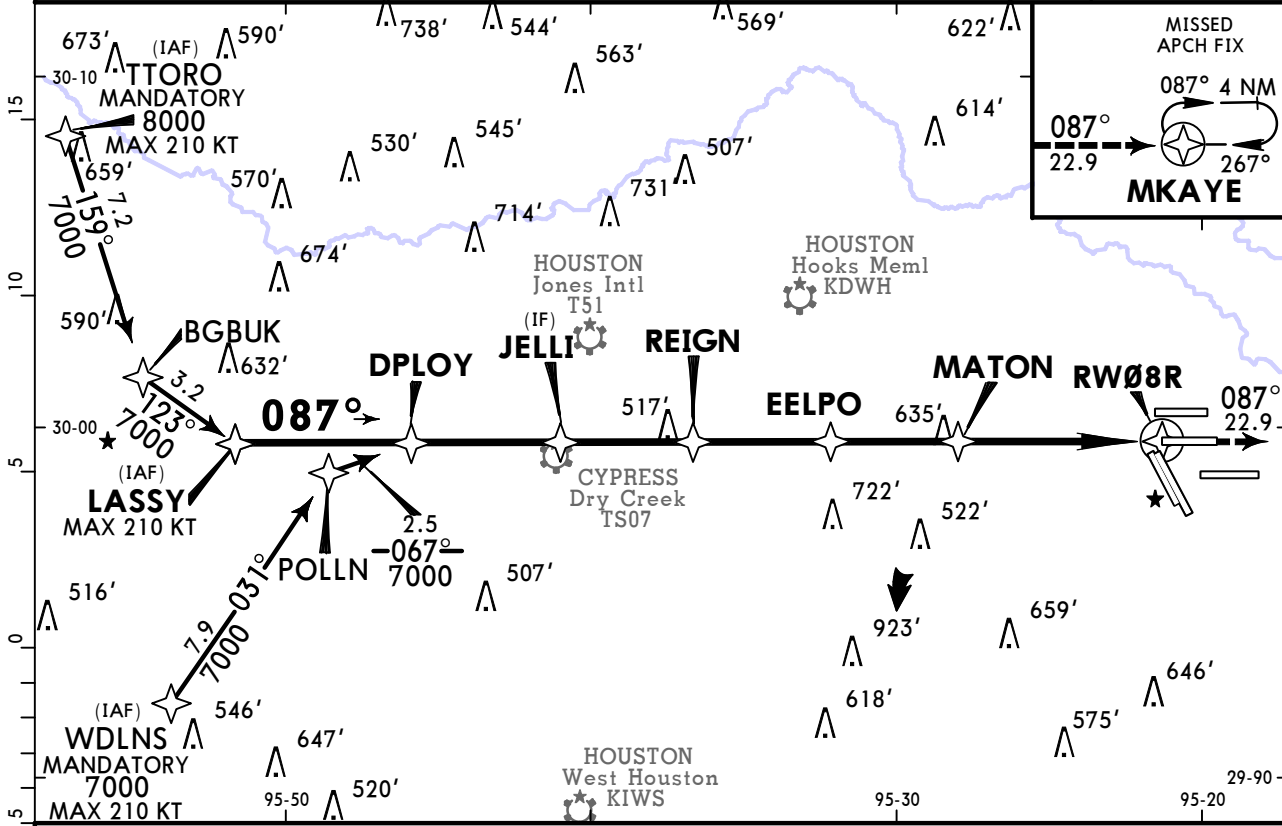
TERPS AMEND 1 19 MAY 2022

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 13 MAY 22 **(72-21)** Eff 19 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 8R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower			Ground	
	124.05	West 124.35	East 120.05	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 8R/26L, 8L/26R, 9/27 118.575
	RNAV	Final Apch Crs 087°		MATON 2000' (1905')		RNP 0.13 DA(H) 383' (288')	Apt Elev 96' TDZE 95'	
MISSED APCH: Climb to 3000' on track 087° to MKAYE and hold. Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' RNP AR Apch 1. Authorization required. 2. Simultaneous approach authorized. 3. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C or above 54°C. 4. VGSI and RNAV glidepath not coincident (VGSI angle 3.00°/TCH 72').								3100 MSA RW08R



Gnd speed-Kts	70	90	100	120	140	160	MALSR PAPI	3000' on 087°	MKAYE
Glide Path Angle	3.00°	372	478	531	637	849			

TERPS	STRAIGHT-IN LANDING RWY 8R					
	RNP 0.13 DA(H) 383' (288')		RNP 0.14 DA(H) 441' (346')		RNP 0.30 DA(H) 492' (397')	
	RAIL/ALS out		RAIL/ALS out		RAIL/ALS out	
	A					
B	RVR 40 or 3/4	RVR 45 or 7/8	RVR 40 or 3/4	RVR 56 or 1 1/4	RVR 45 or 7/8	1 1/4
C						
D						

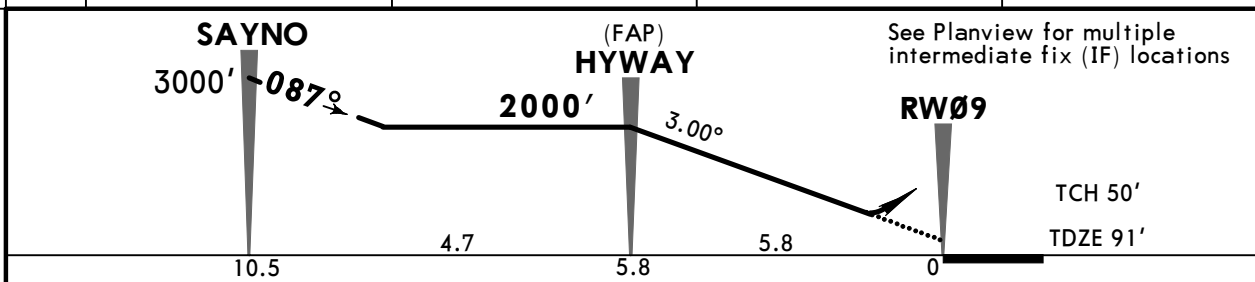
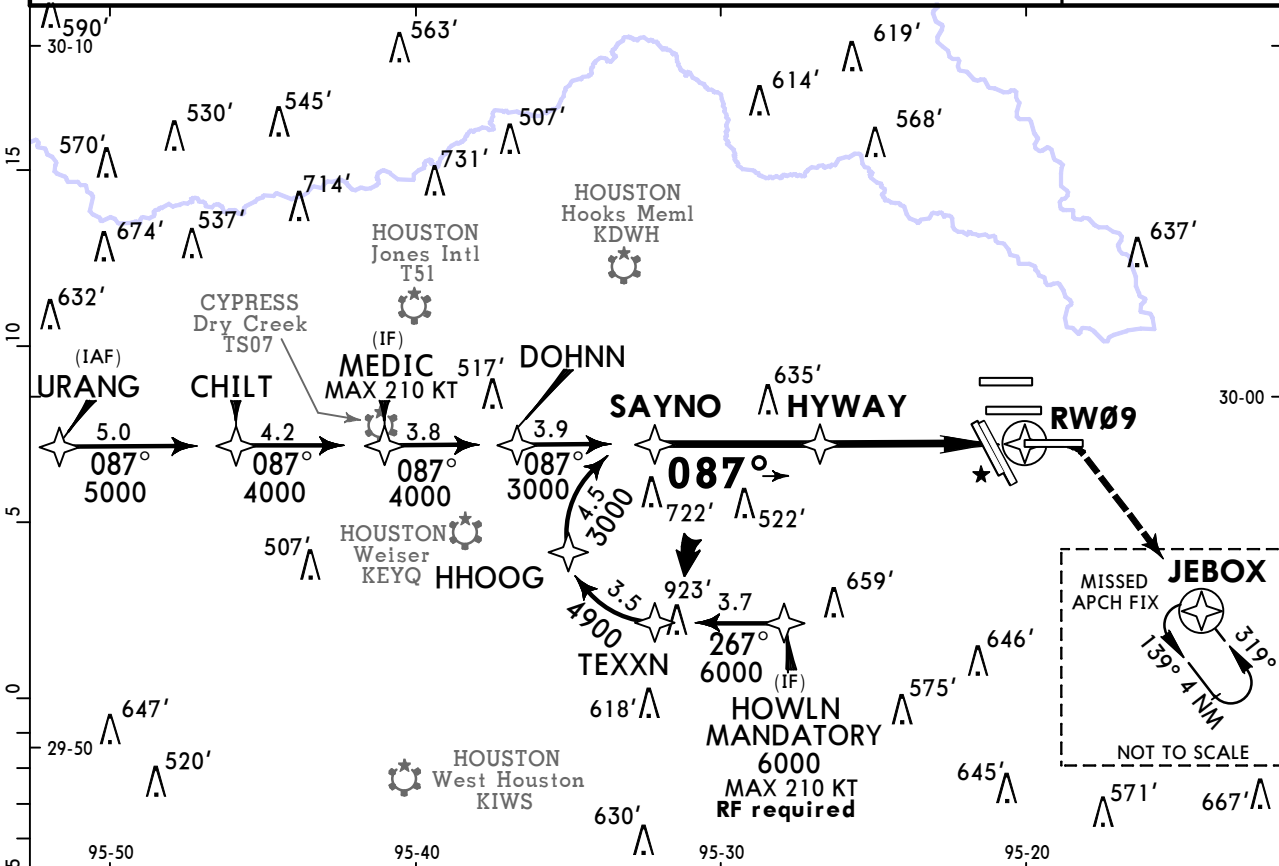
TERPS AMEND 1B 11 OCT 2018

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
 13 MAY 22 (72-22) Eff 19 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 9

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	RNAV	Final Apch Crs 087°		HYWAY 2000' (1909')		RNP 0.30 DA(H) 516' (425')		Apt Elev 96' TDZE 91'	
MISSED APCH: Climb to 580' then climbing RIGHT turn to 3000' direct JEBOX and hold.									
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000' 1. Authorization required. 2. GPS required. 3. Simultaneous approach authorized. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C (27°F) or above 54°C (130°F). 6. VGSI and RNAV glidepath not coincident.									
								3100	
								MSA RW09	



Gnd speed-Kts	70	90	100	120	140	160	MALSR	580'	3000'	→	JEBOX
Glide Path Angle	3.00°	372	478	531	637	743	PAPI	↑	↘ RT	→	

TERPS STRAIGHT-IN LANDING RWY 9
 RNP 0.30
 DA(H) 516' (425')

	RAIL/ALS out	
A		
B		
C	RVR 49 or 1	1 3/8
D		

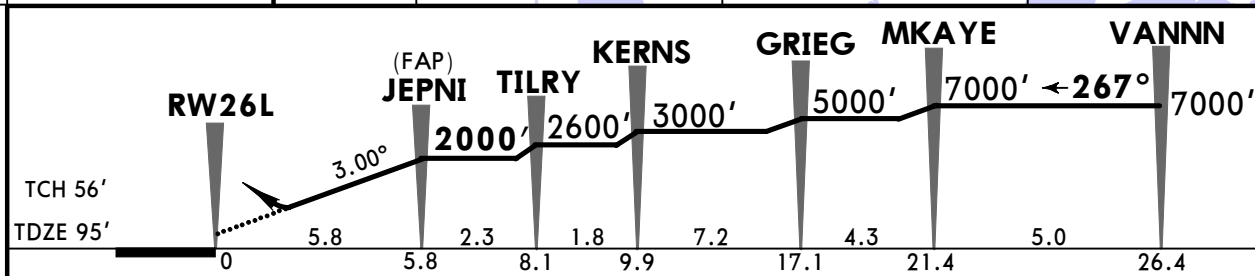
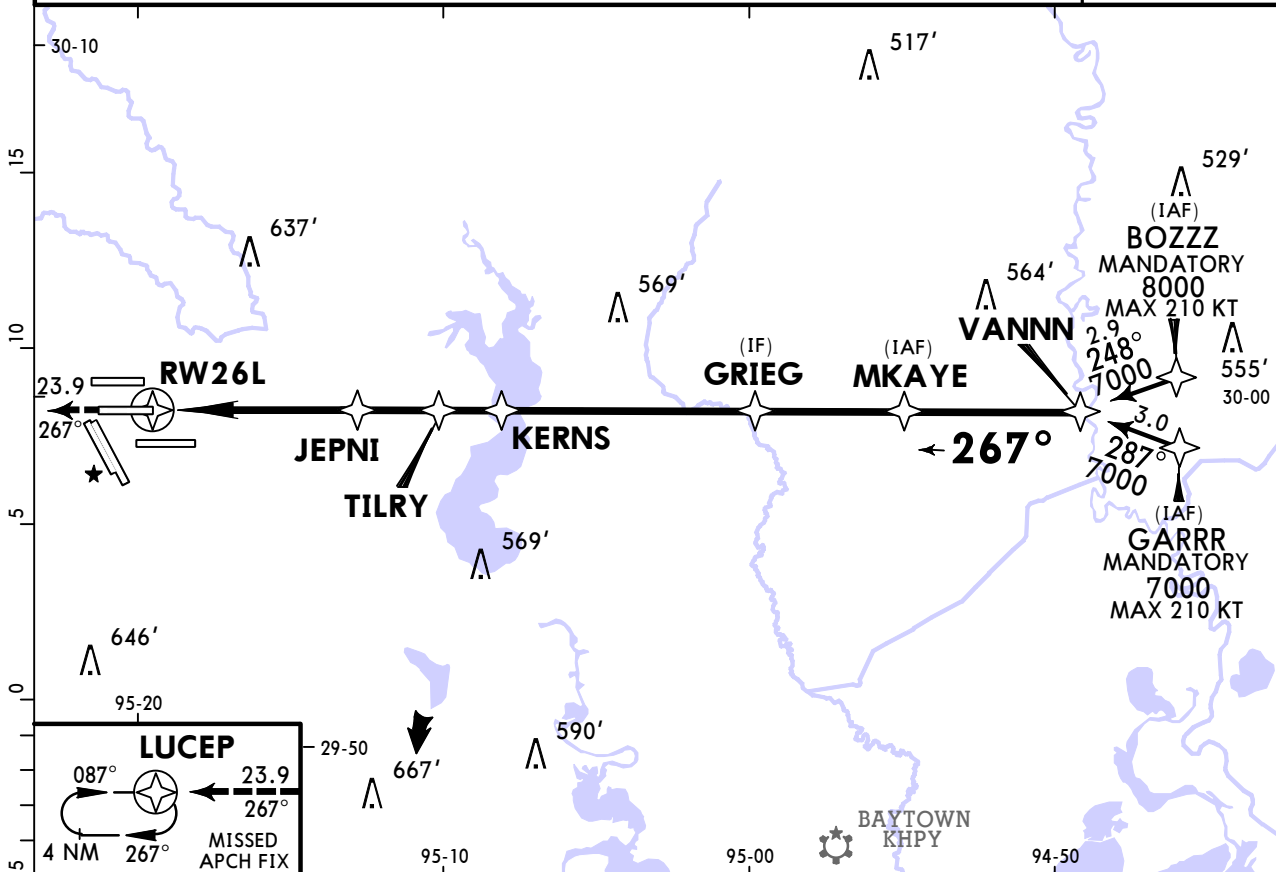
TERPS AMEND 08 13 SEP 2018

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPesen
 13 MAY 22 **72-23** Eff 19 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 26L

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	RNAV	Final Apch Crs 267°		JEPNI 2000' (1905')		RNP 0.13 DA(H) 414' (319')		Apt Elev 96' TDZE 95'	
	MISSED APCH: Climb to 3000' on track 267° to LUCEP and hold.								3100
	Alt Set: INCHES		Trans level: FL 180			Trans alt: 18000'			
RNP AR Apch - GPS									
1. Authorization required. 2. Simultaneous approach authorized. 3. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C or above 54°C. 4. VGSI and RNAV glidepath not coincident (VGSI angle 3.00°/TCH 71').								MSA RW26L	



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II PAPI 3000' ↑ on 267° LUCEP
Glide Path Angle 3.00°	372	478	531	637	743	849	

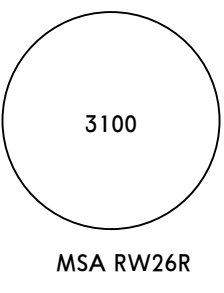
TERPS ORIG-E 19 MAY 2022	TERPS				STRAIGHT-IN LANDING RWY 26L			
	RNP 0.13		RNP 0.30		RNP 0.13		RNP 0.30	
	DA(H) 414' (319')		DA(H) 549' (454')		DA(H) 414' (319')		DA(H) 549' (454')	
	ALS out		ALS out		ALS out		ALS out	
	A	RVR 40 or $\frac{3}{4}$		RVR 51 or 1		RVR 55 or 1		1½
B								
C								
D								

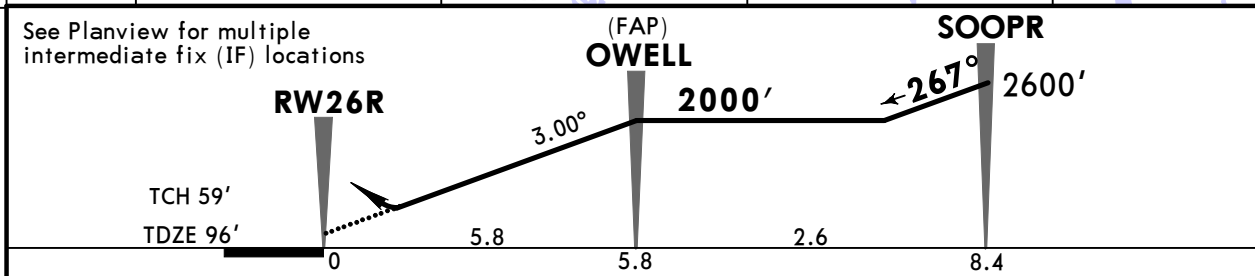
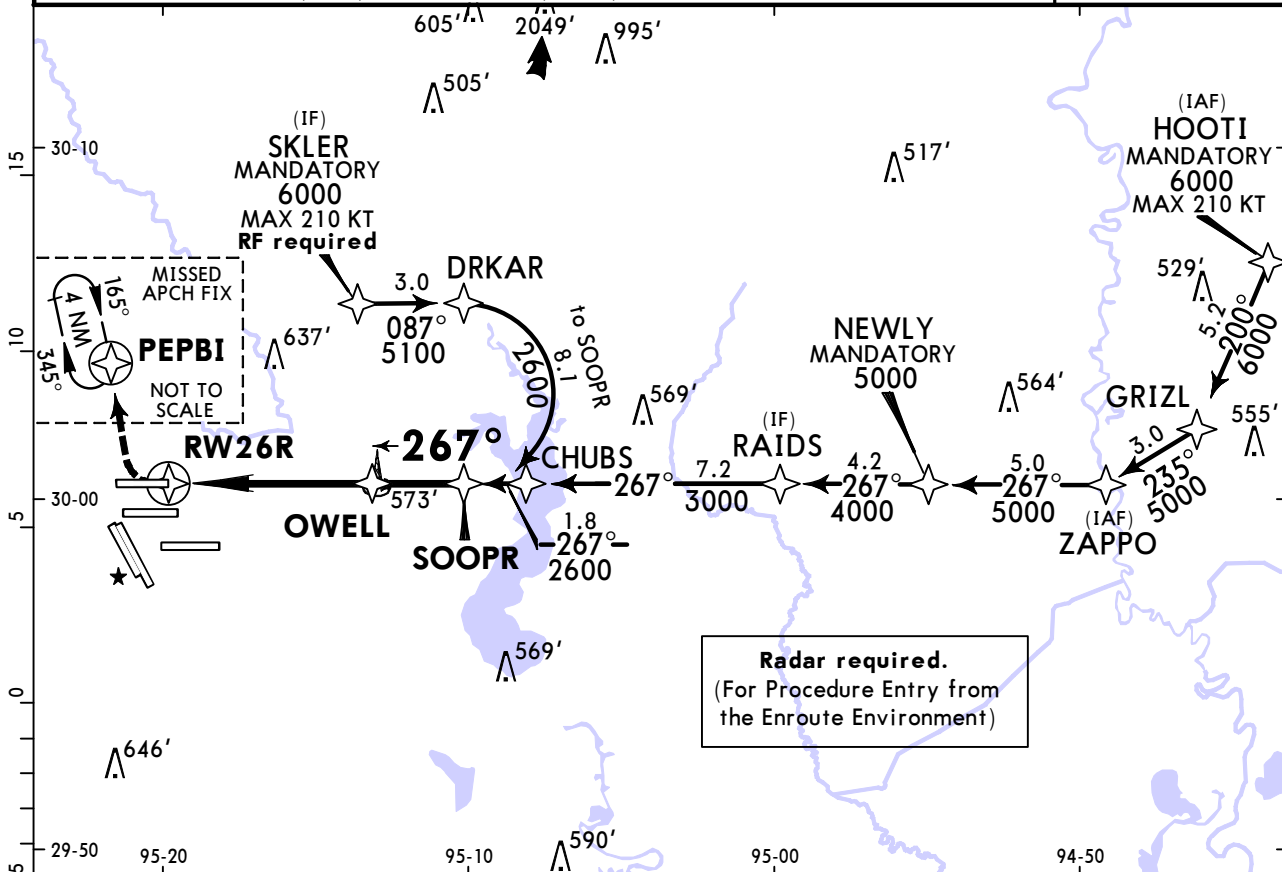
CHANGES: NEEKO renamed TILRY, note.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESSEN
 13 MAY 22 **72-24** **Eff 19 May**

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 26R

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground		
	124.05	West 124.35	East 120.05	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwy 9/27 135.15	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7	
	RNAV	Final Apch Crs 267°		OWELL 2000' (1904')		RNP 0.11 DA(H) 429' (333')	Apt Elev 96' TDZE 96'			
	MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' direct PEPBI and hold.									
Alt Set: INCHES			Trans level: FL 180			Trans alt: 18000'				
1. Authorization required. 2. GPS required. 3. Simultaneous approach authorized. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C (27°F) or above 54°C (130°F).										



Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600'	3000'	D →	PEPBI
Glide Path Angle	3.00°	372	478	531	637	849		↑	RT		

TERPS ORIG-D 13 SEP 2018	TERPS						STRAIGHT-IN LANDING RWY 26R		
	RNP 0.11 DA(H) 429' (333')		RNP 0.15 DA(H) 496' (400')		RNP 0.30 DA(H) 554' (458')				
	ALS out		ALS out		ALS out				
	A	RVR 40 or 3/4	RVR 50 or 1	RVR 45 or 7/8	1 1/4	RVR 50 or 1	1 1/2		
B									
C									
D									

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INTERCONTINENTAL/HOUSTON



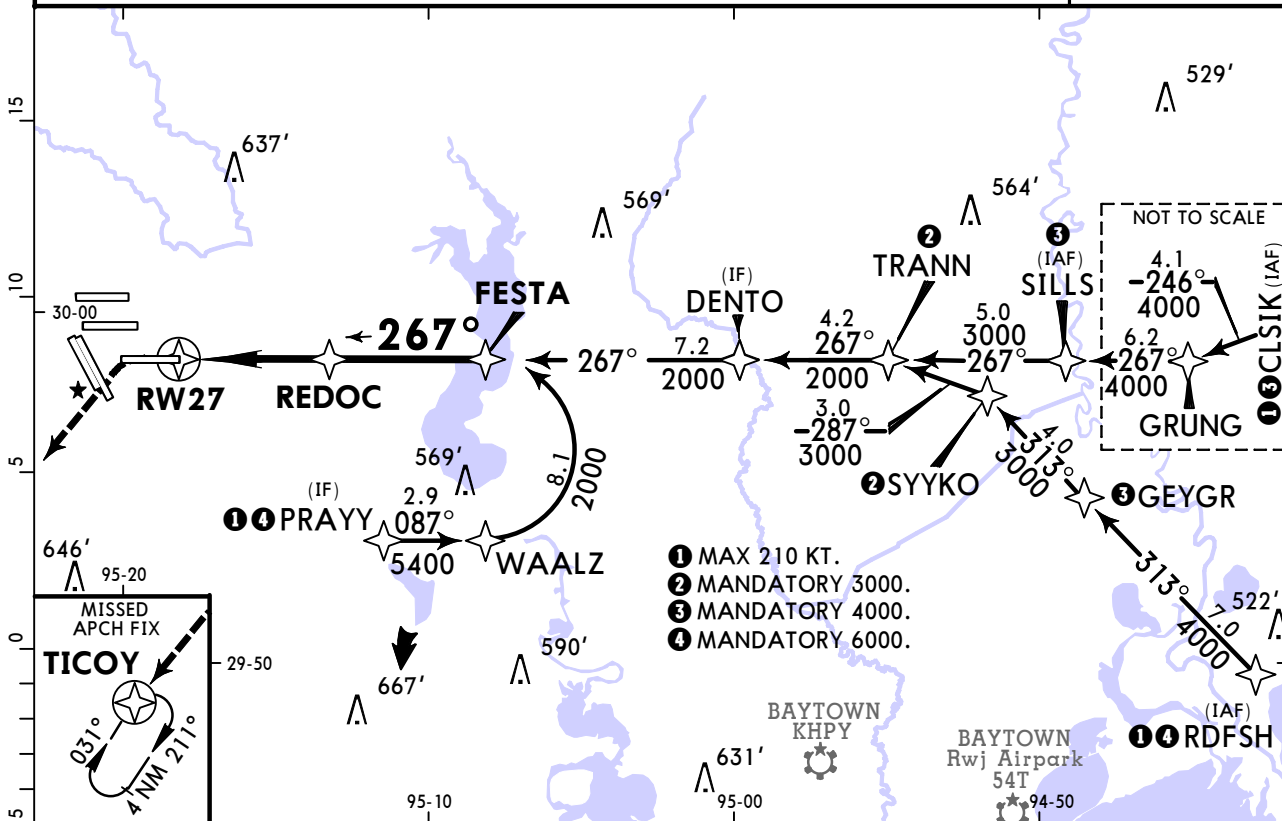
13 MAY 22

72-25 Eff 19 May

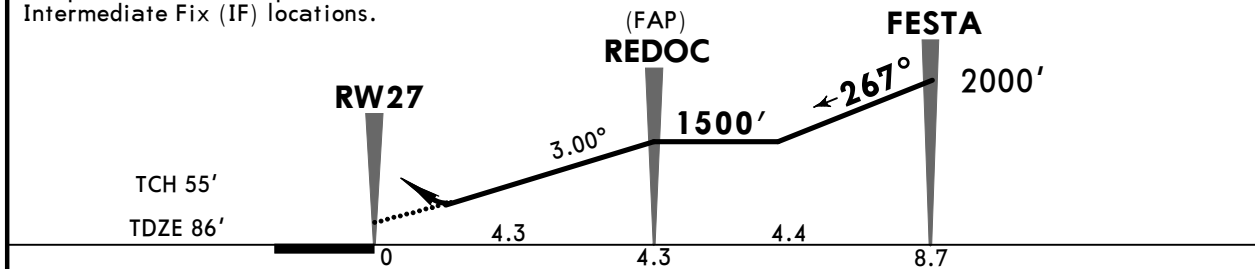
HOUSTON, TEXAS

RNAV (RNP) Y Rwy 27

BRIEFING STRIP™	D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	124.05	West 124.35	East 120.05	Rwy 9/27 135.15	Rwy 8R/26L 125.35	Rwy 8L/26R 120.725	Rwys 15L/33R, 15R/33L 127.3	Rwys 9/27, 8L/26R, 8R/26L 118.575	Rwys 15L/33R, 15R/33L 121.7
	RNAV	Final Apch Crs 267°		REDOC		RNP 0.30 DA(H) 380' (294')		Apt Elev 96' TDZE 86'	
	MISSED APCH: Climb to 560' then climbing LEFT turn to 3000' direct TICOY and hold.								<div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">3100</div> MSA RW27
RNP AR Apch - GPS		Alt Set: INCHES		Trans level: FL 180		Trans alt: 18000'			
1. Authorization required. 2. Simultaneous approach authorized. 3. Use of Flight Director or Autopilot required during simultaneous operations. 4. For uncompensated Baro-VNAV systems, procedure not authorized below -2°C or above 54°C. 5. VGSI and RNAV glidepath not coincident (VGSI angle 3.00°/TCH 70').									



See planview for multiple Intermediate Fix (IF) locations.



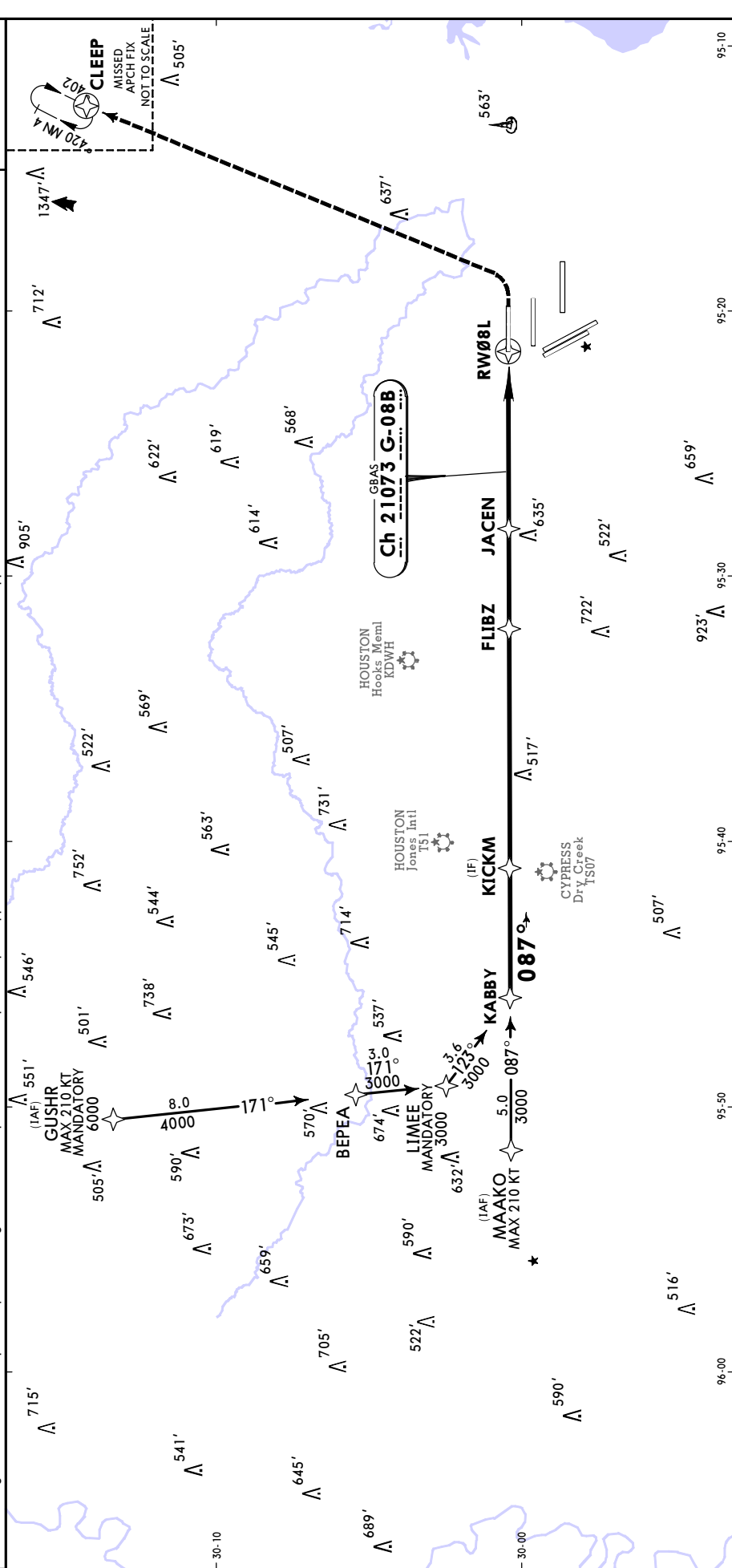
Gnd speed-Kts	70	90	100	120	140	160	ALSF-II 560'	PAPI 3000'	D → TICOY
Glide Path Angle	3.00°	372	478	531	637	849			

TERPS STRAIGHT-IN LANDING RWY 27
 RNP 0.30
 DA(H) **380'** (294')

ALS out	
A	
B	
C	RVR 24 or 1/2
D	RVR 45 or 7/8

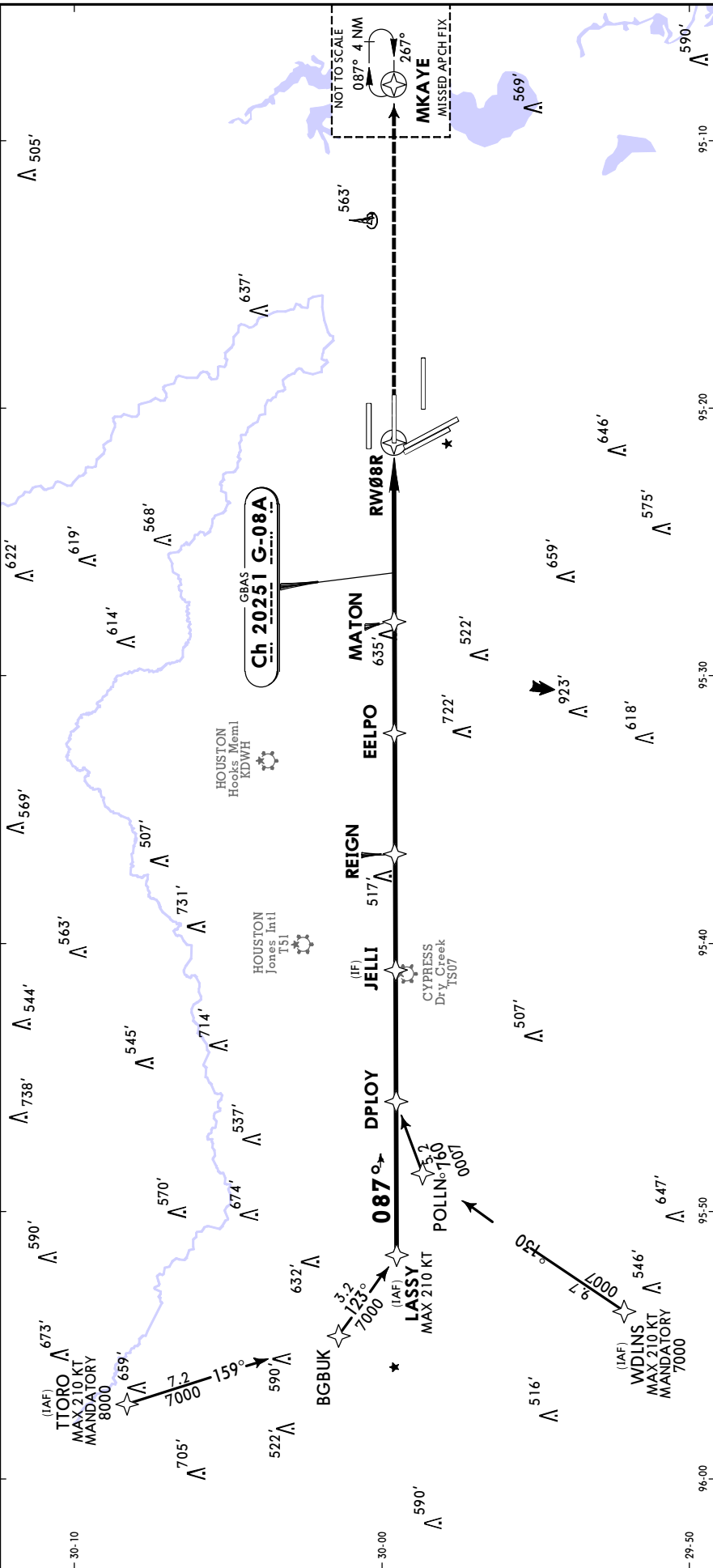
TERPS AMEND 3 19 MAY 2022

D-ATIS	HOUSTON Approach (R)	East	HOUSTON Tower	Ground
124.05	124.35	120.05	Rwy 8L/26R 120.725	Rwy 8L/26R 118.575
			Rwy 9/27 135.15	Rwy 15L/33R 121.7
GBAS	Final	JACEN	GLS	Apt Elev 96'
Ch 21073	Apch Crs	2000' (1906')	DA(H)	TDZE 94'
G-08B			294' (200')	
MISSED APCH: Climb to 580' then climbing LEFT turn to 4000' direct CLEEP and hold.				
RNP Apch - GPS	Alt Set: INCHES	Trans level: FL 180	Trans alt: 18000'	
1. Use of Flight Director or Autopilot required during simultaneous operations. 2. Autopilot coupled approach not authorized below 294'. 3. Simultaneous approach authorized.				



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON
 17 FEB 23 (72-41) **EFF 23 FEB** **GLS RWY 8R**

D-ATIS	HOUSTON Approach (R)		HOUSTON Tower	Ground
124.05	West 124.35	East 120.05	Rwy 8R/24L 125.35	Rwy 15L/33R, 15R/33L 118.575
GBAS	Final Apch Crs 087°		Rwy 9/27 135.15	Rwy 15L/33R, 15R/33L 121.7
Ch 20251 G-08A	MATON 2000' (1905')		GLS DA(H) 295' (200')	Apt Elev 96'
MISSED APCH: Climb to 3000' direct MKAYE and hold.				
RNP Apch - GPS Alt Set: INCHES Trans level: FL 180				
1. Use of Flight Director or Autopilot required during simultaneous operations. 2. Autopilot coupled approach not authorized below 295'. 3. Simultaneous approach authorized. 4. VGSI and GLS glidepath not coincident (VGSI angle 3.00°/TCH 72').				

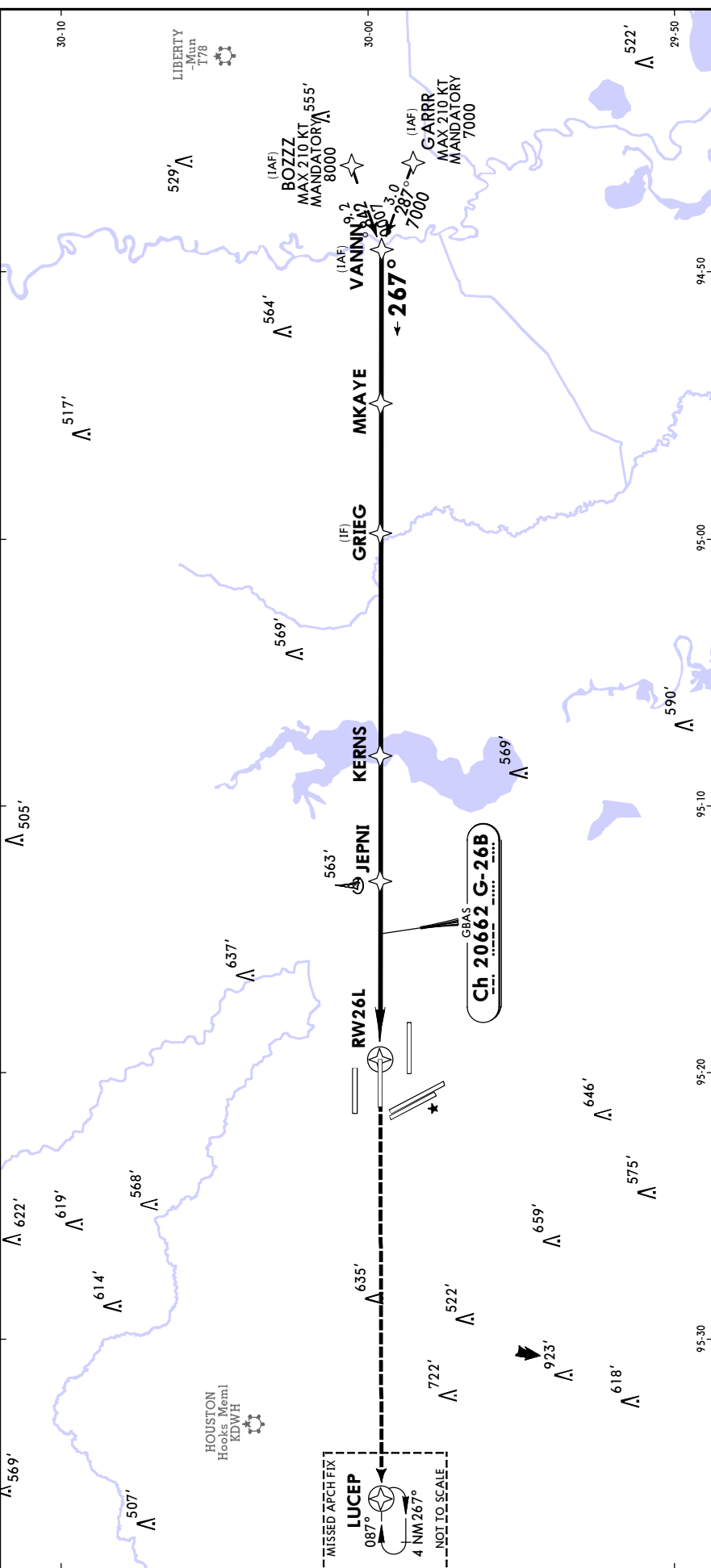


LASSY		DPLY		JELLI		REIGN		EELPO		MATON		RWY 8R			
7000'	→	087°	→	5000'	→	4000'	→	3000'	→	2000'	→	0	→		
26.4	5.0	21.4	4.2	17.1	3.8	9.4	3.9	3.6	5.8	5.8	5.8	0	→		
70	90	100	120	140	160										
Glide Path Angle	3.00°	3.72	4.78	5.31	6.37	7.43	8.49								
												MALS	3000'	→	MKAYE
												PAPI			
												TDZ			
												RAIL/ALS			
												DA(H)	295' (200')		RVR 40 or 3/4
												TDZ/CLS			RVR 24 or 1/2
												A			RVR 18 or 1/2
												B			
												C			
												D			

CHANGES: Chart size, notes, transitions added, GBAS navaid box label, reference path identifier, MKAYE holding length, minimums, TDZE, format.

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON
 17 FEB 23 **72-43** **EFF 23 Feb** **GLS Rwy 26L**

D-ATIS	HOUSTON Approach (R)		HOUSTON Tower		Ground	
124.05	West	120.05	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 15L/33R
124.35		120.725		Rwy 9/27	Rwy 26R/27L	Rwy 15R/33L
124.35		120.725		135.15	118.575	121.7
GBAS	Final		GLS		Apt Elev 96'	
Ch 20662	Apch Crs		DA(H)		TDZE 95'	
G-26B	267°		295' (200')			
MISSED APCH: Climb to 3000' direct LUCEP and hold.						
RNP Apch - GPS Alt Set: INCHES Trans level: FL 180						
1. Use of Flight Director or Autopilot required during simultaneous operations. 2. Autopilot coupled approach not authorized below 295'. 3. Simultaneous approach authorized. 4. VGSI and GLS glidepath not coincident (VGSI angle 3.00°/TCH 71').						



TERPS		STRAIGHT-IN LANDING RWY26L				
GLS		DA(H) 295' (200')				
TDZ/CL out		ALS out				
A	RVR 18 or 1/2	B	RVR 24 or 1/2			
C		D	RVR 40 or 3/4			
E RVR 18 with Flight Director or Autopilot or HUD to DA.						
ALS-I		PAPI				
3000'		D				
LUCEP						
Grid speed-Kts	70	90	100	120	140	160
Glide Path Angle	3.00°	3.72	4.78	5.31	6.37	7.43
						8.49

CHANGES: Chart size, notes, transitions added, GBAS navaid box label, reference path identifier, minimums, format.

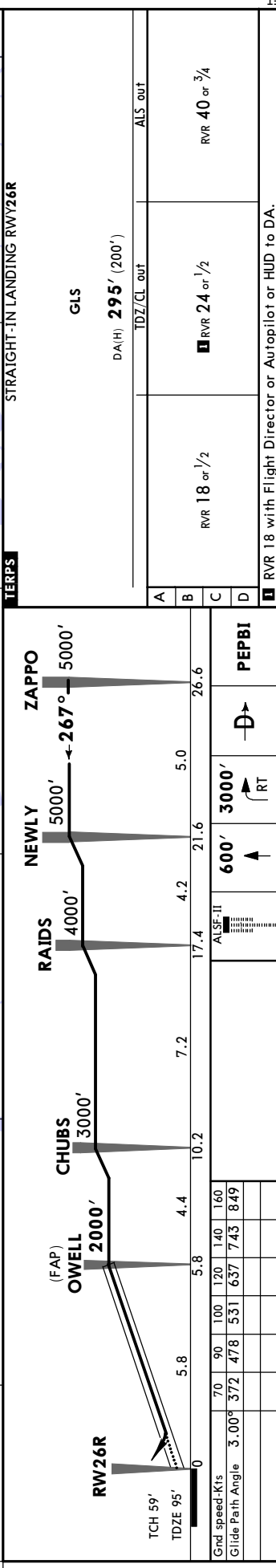
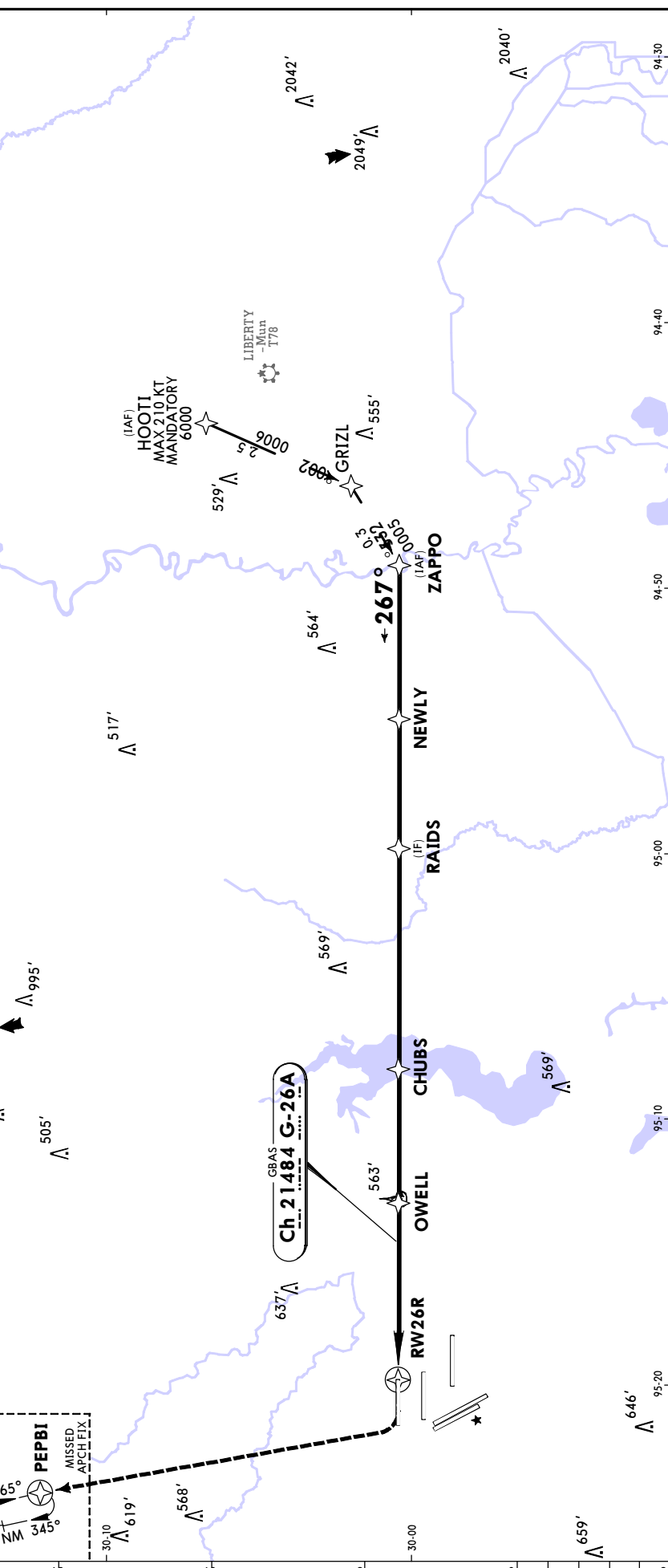
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON
 14 APR 23 **(72-44)** **Eff 20 Apr** **GLS Rwy 26R**

D-ATIS	HOUSTON Approach (R)	HOUSTON Tower	Ground
124.05	West 124.35 East 120.05	Rwy 8L/26R 120.725 Rwy 8R/26L 125.35 Rwy 9/27 135.15	Rwy 15L/33R 118.575 Rwy 15R/35L 121.7
GBAS	Final Apch Crs	GLS DA(H)	Apt Elev 96'
Ch 21484 G-26A	267°	295' (200')	TDZE 95'

MISSED APCH: Climb to 600' then climbing RIGHT turn to 3000' direct PEPBI and hold.

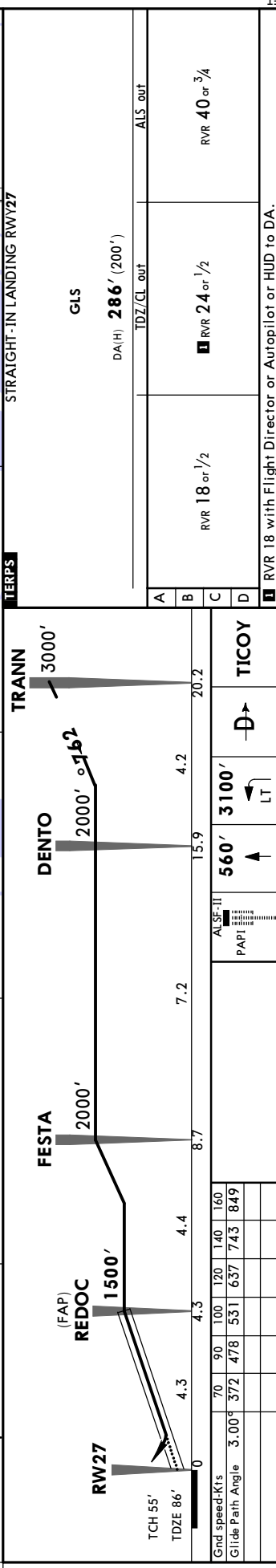
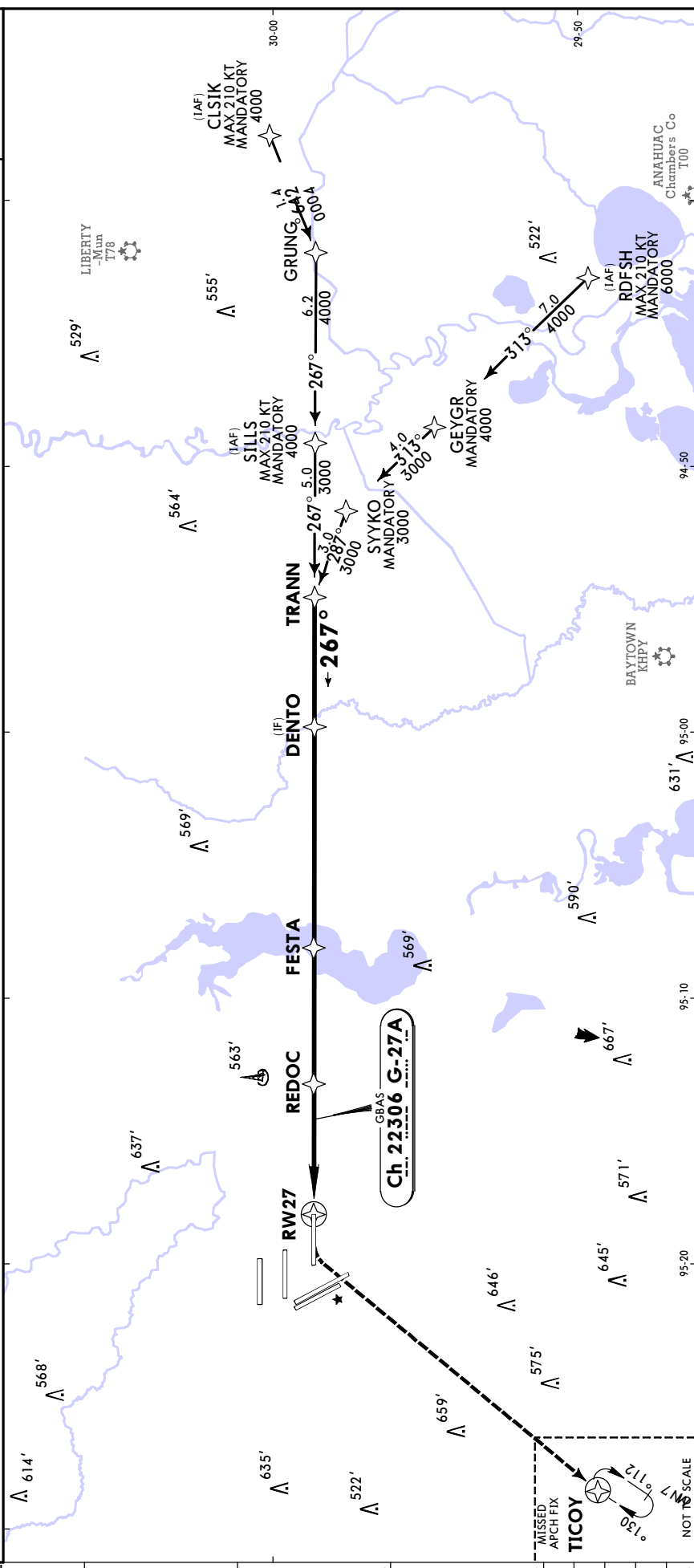
RNP Apch - GPS	Alt Set: INCHES	Trans level: FL 180	Trans alt: 18000'
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1. Use of Flight Director or Autopilot required during simultaneous operations. 2. Autopilot coupled approach not authorized below 295'. 3. Simultaneous approach authorized.



KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON
 17 FEB 23 **72-45** **EFF 23 Feb** **GLS RWY 27**

D-ATIS	HOUSTON Approach (R)	HOUSTON Tower	Ground
124.05	West 124.35 East 120.05	Rwy 9/27 135.15 Rwy 8L/26R 120.725 Rwy 8R/26L 125.35 Rwys 15L/33R, 15R/33L 127.3 Rwys 8L/26R, 8R/26L, 9/27 118.575	Rwys 15L/33R, 15R/33L 121.7
GBAS Ch 22306 G-27A	Final Apch Crs 267°	REDOC 1500' (1414')	Apch Crs Apt Elev 96' TDZE 86'
MISSED APCH: Climb to 560' then climbing LEFT turn to 3100' direct TICOOY and hold.			
RNP Apch - GPS AIT Set: INCHES Trans level: FL 180			
1. Use of Flight Director or Autopilot required during simultaneous operations. 2. Autopilot coupled approach not authorized below 286'. 3. Simultaneous approach authorized. 4. VGSI and GLS glidepath not coincident (VGSI angle 3.00°/TCH 70').			



TERPS
 STRAIGHT-IN LANDING RWY27
 DA(H) **286' (200')**
 TDZ/CL OUT
 ALS OUT
 RVR 18 or 1/2
 RVR 24 or 1/2
 RVR 40 or 3/4
 RVR 18 with Flight Director or Autopilot or HUD to DA.
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Apt Elev
See Graphic

Alt Set: INCHES Trans level: FL180

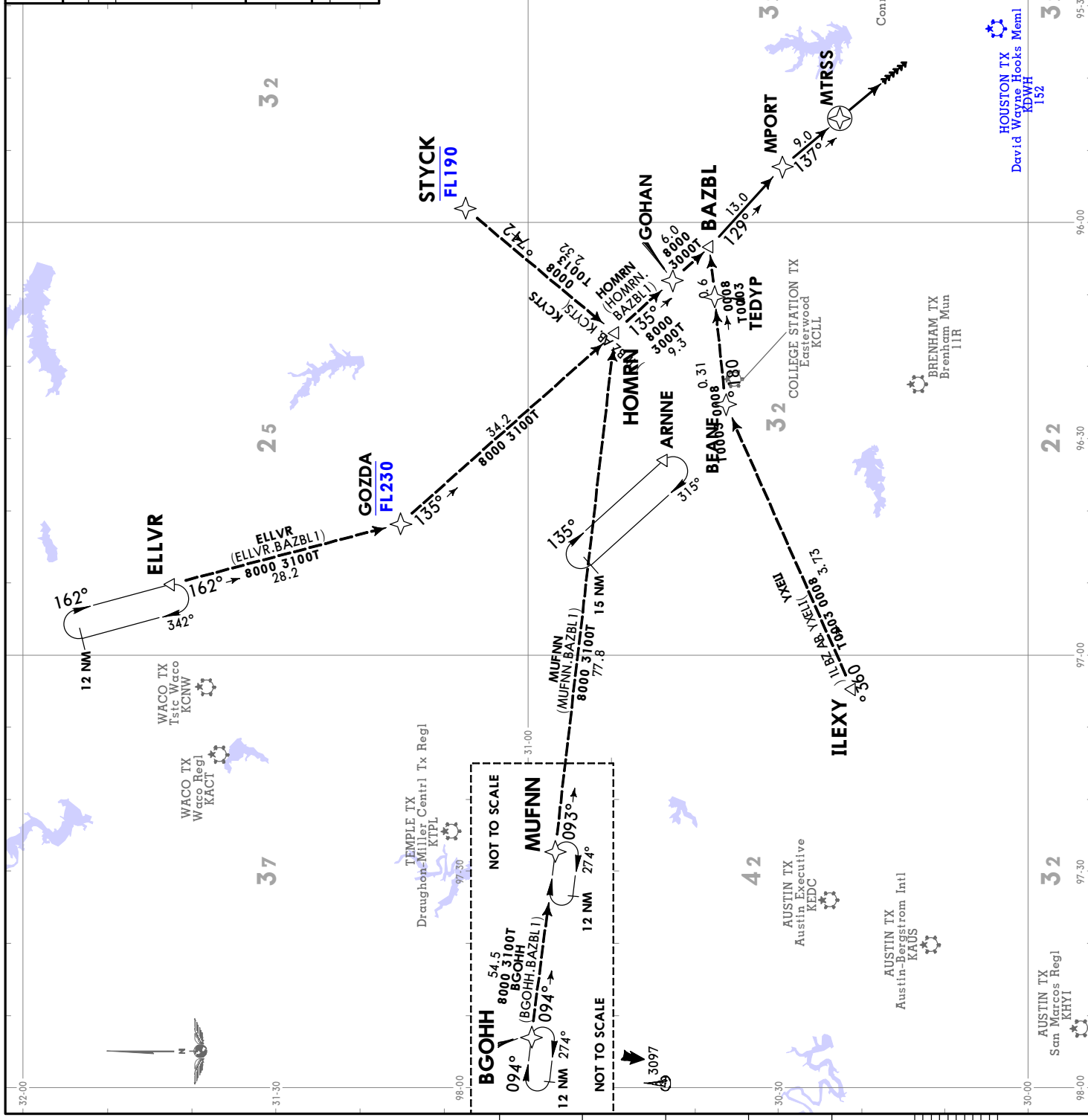
RNAV 1 - DME/DME/IRU or GPS

1. RADAR required.
2. MUFNN Transition: Do not file - to be assigned by ATC.
3. HOMRN Transition: Do not file - to be assigned by ATC.
4. Airports served: 6R3, KDWH, T78.

BAZBL 1 RNAV ARRIVAL (BAZBL.BAZBL1)

ROUTING

From BAZBL on track 129° to MPORT, then on track 137° to MTRSS, then on track 137° EXPECT RADAR vectors to final approach course.



HOUSTON METROPLEX TEXAS

JEPPESEN
25 OCT 24 (90-2A) EFF 31 Oct

AREA STAR

RNAV STAR

Apt Elev
See Graphic

Alt Set: INCHES Trans level: FL180

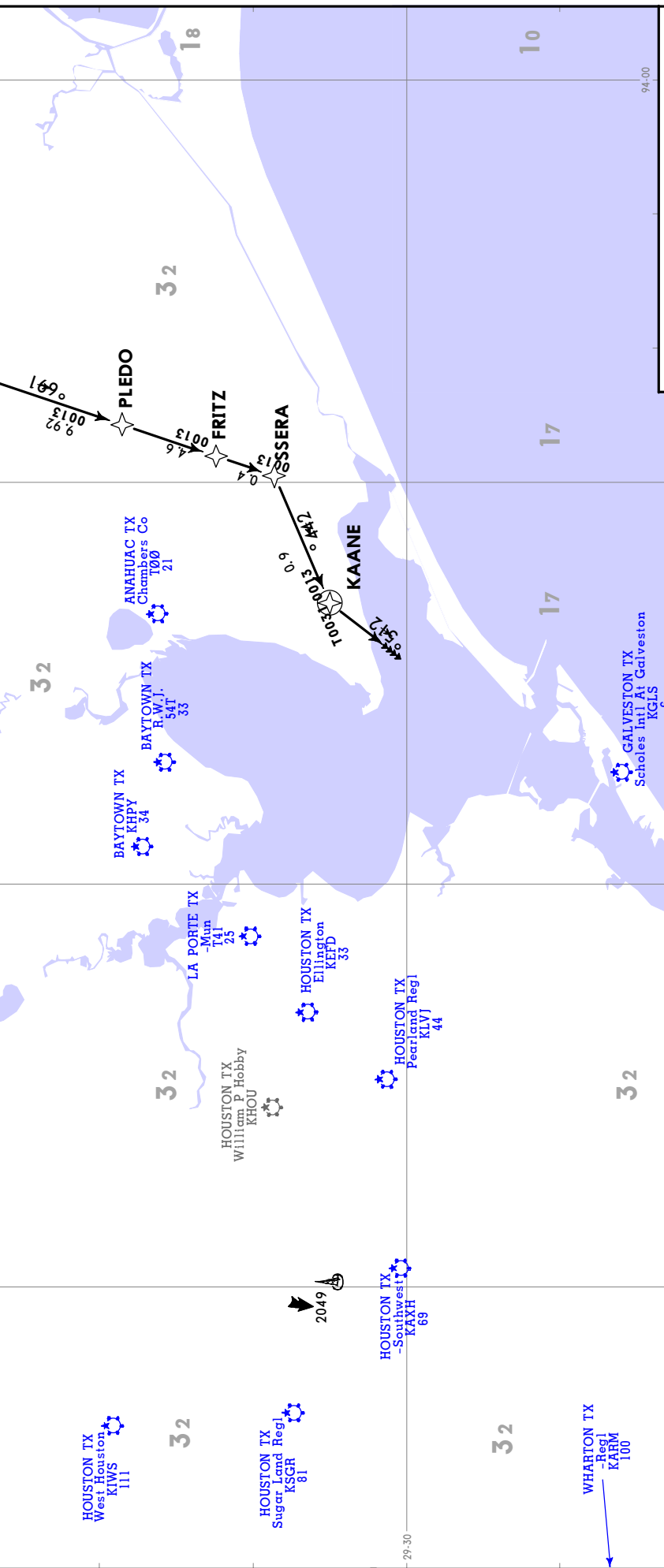
RNAV 1 DME/DME/IRU or GPS required

1. RADAR required.
2. DME/DME/IRU or GPS equipped turbojet and turboprop aircraft capable of 280 KT or greater must file the WAPPL RNAV STAR
3. Airports served: 54T, KARM, KAXH, KBYY, KEFD, KGLS, KHPY, KIWS, KLBX, KLVJ, KSGR, T00, T41.

CESAN 4 RNAV ARRIVAL (CESAN.CESAN4)

CESAN EXPECT 11000

CREPO NOT TO SCALE



ROUTING

From CESAN on track 185° to CREPO, then on track 196° to PLEDO, then on track 196° to FRITZ, then on track 196° to SSERA, then on track 244° to KAANE, then on track 215°. EXPECT vectors to final approach course.

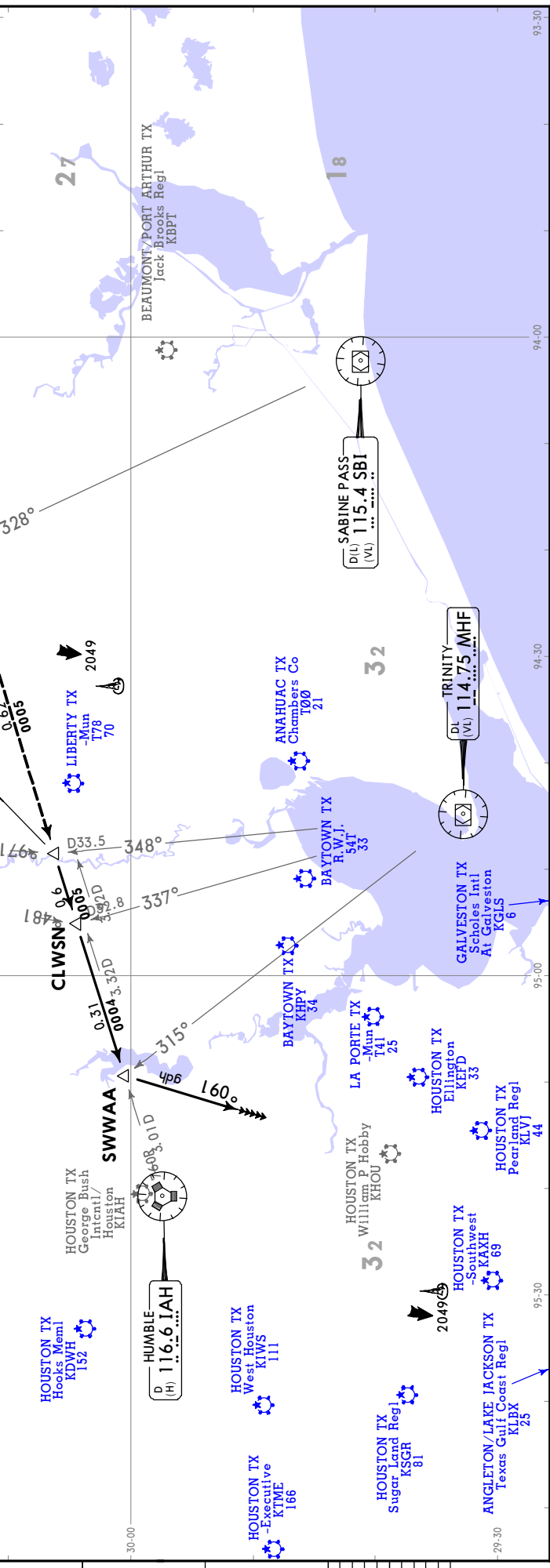
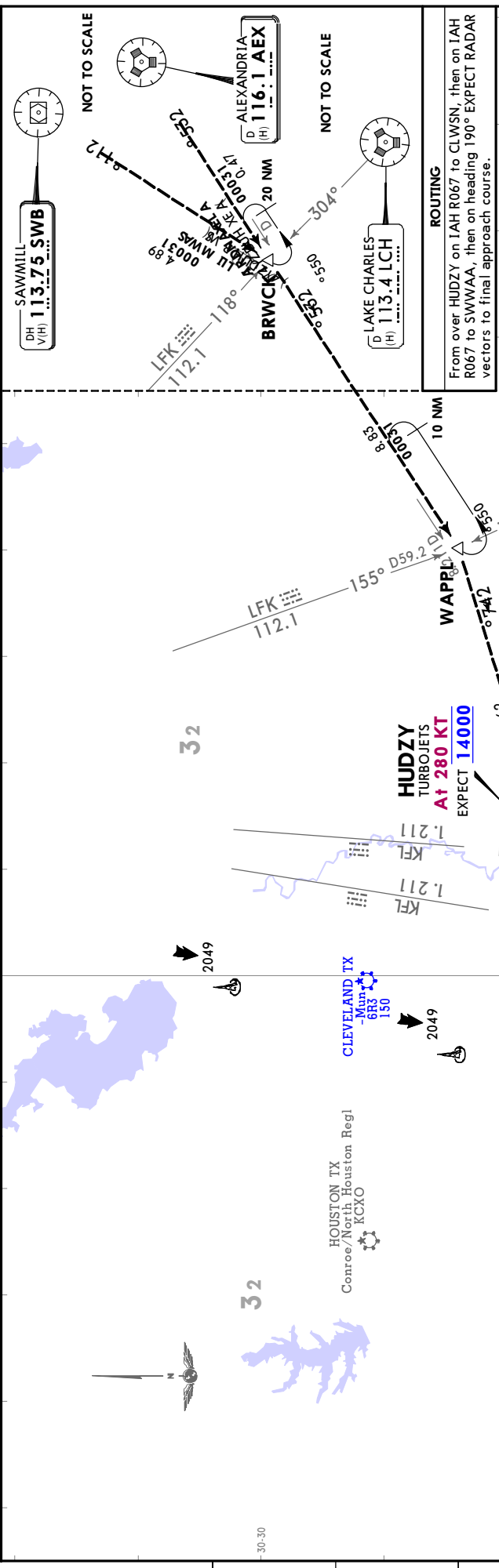
AREA STAR

Apt Elev See Graphic

Alt Set: INCHES Trans level: FL180

1. RADAR required.
2. For use by turboprop and turboprop aircraft capable of 280 KT or greater only.
3. DME/DME/IRU or GPS equipped aircraft must file the WAPPLE (RNAV) STAR.
4. ATIS assigned only for aircraft landing KDWH, T78 and 6R3.
5. Airports served: 54T, 6R3, KAXH, KDWH, KEFD, KGLS, KHPY, KIWS, KLBX, KLVJ, KSGR, KTIME, T00, T41, T78.

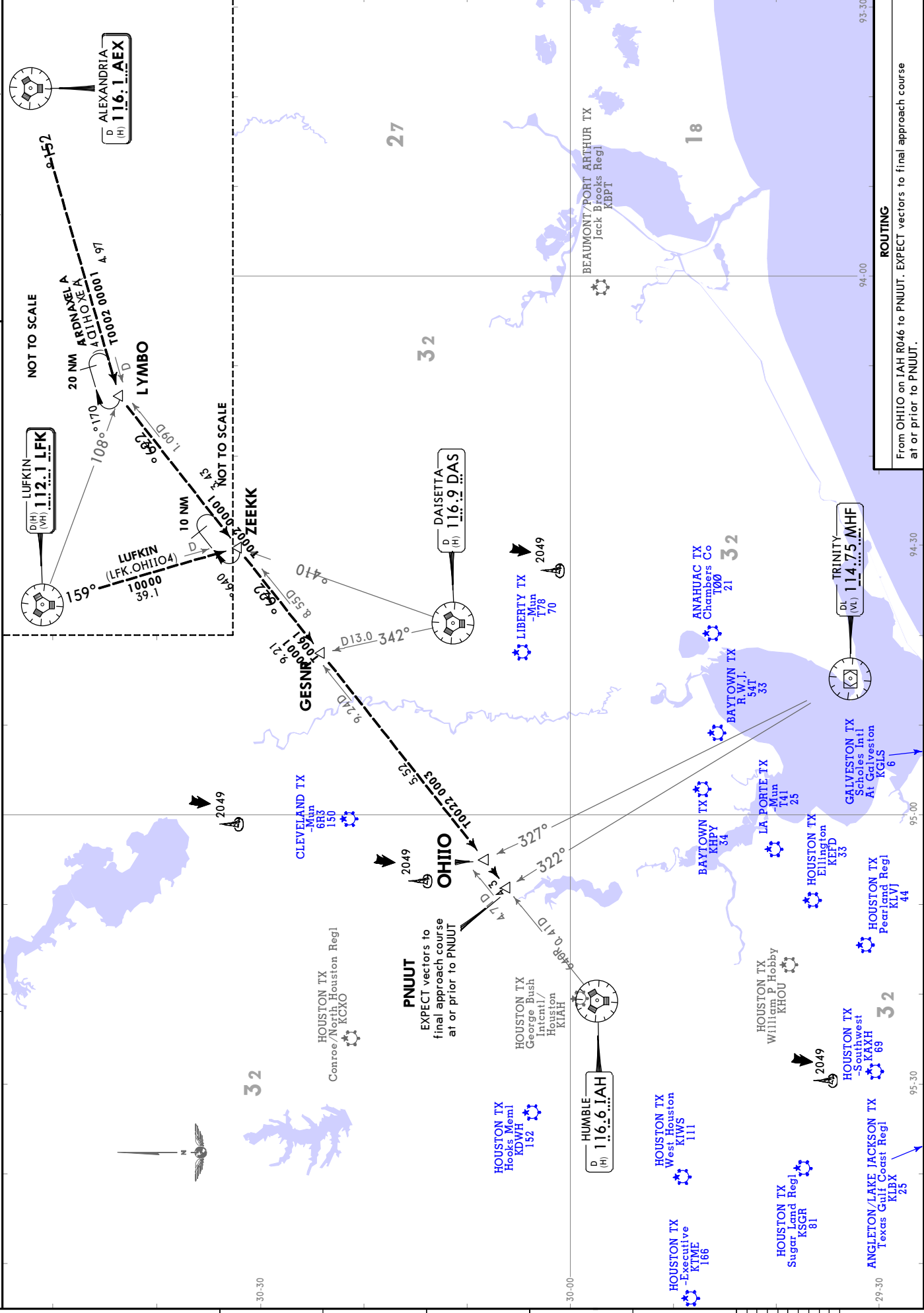
HUDZY 4 ARRIVAL (HUDZY.HUDZY4)



AREA STAR
OHIO 4 ARRIVAL
(OHIO.OH1104)

Alt Set: INCHES Trans level: FL180
1. ATC assigned only for airports other than KDWH, T78 and 6R3.
2. Airports served: 54T, 6R3, KAXH, KDWH, KEFD, KGLS, KDWH, KFTM, T00, T41, T78.

Apt Elev See Graphic



ROUTING
From OHIO on IAH R046 to PNUUT. EXPECT vectors to final approach course at or prior to PNUUT.

HOUSTON METROPLEX, TEXAS



AREA STAR

25 OCT 24

90-2C2

Eff 31 Oct

RNAV STAR

Alt Set: INCHES Trans level: FL180

RNAV 1 - DME/DME/IRU or GPS

1. RADAR required.

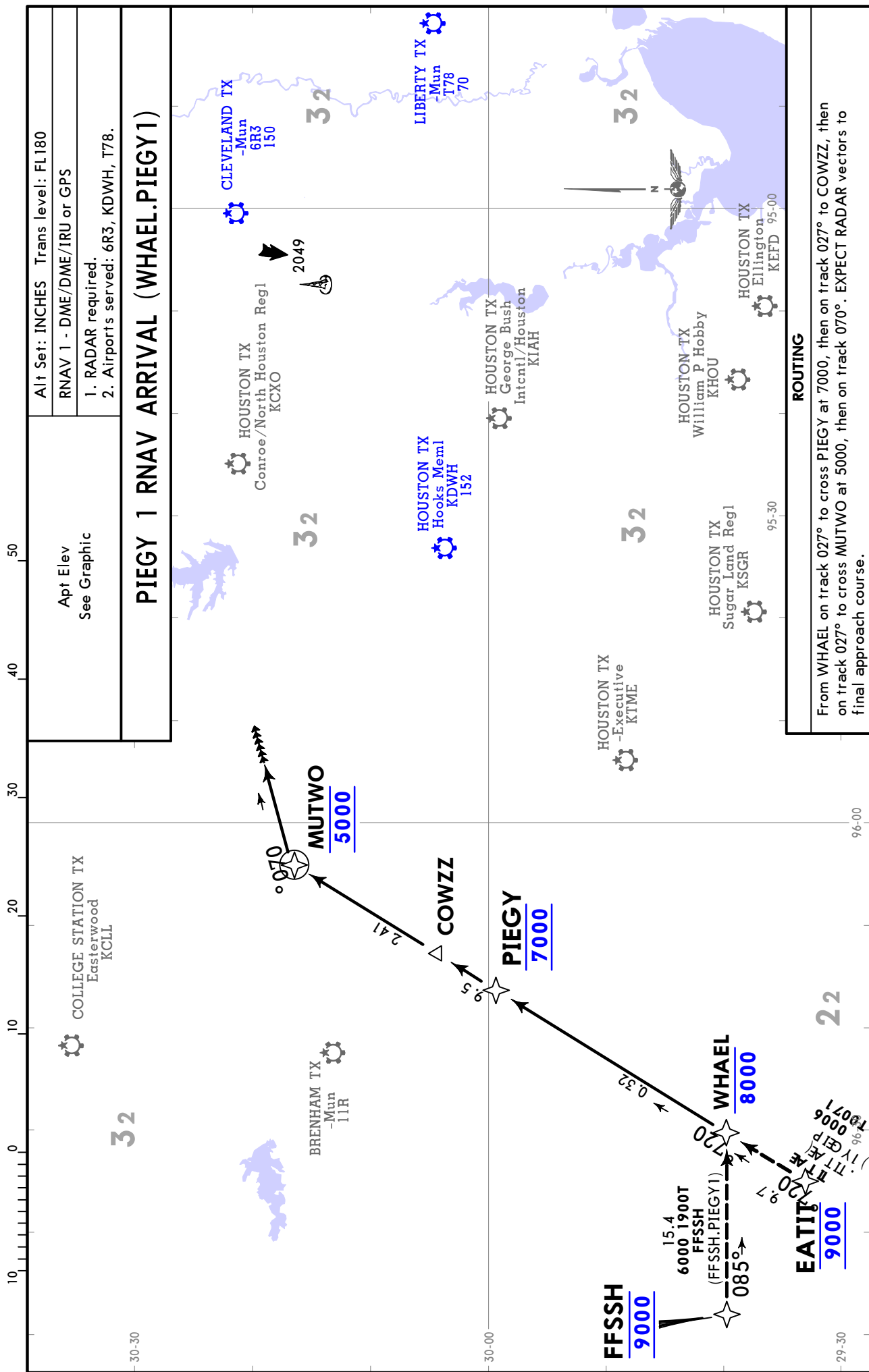
2. Airports served: 6R3, KDWH, T78.

PIEGY 1 RNAV ARRIVAL (WHAEL.PIEGY1)

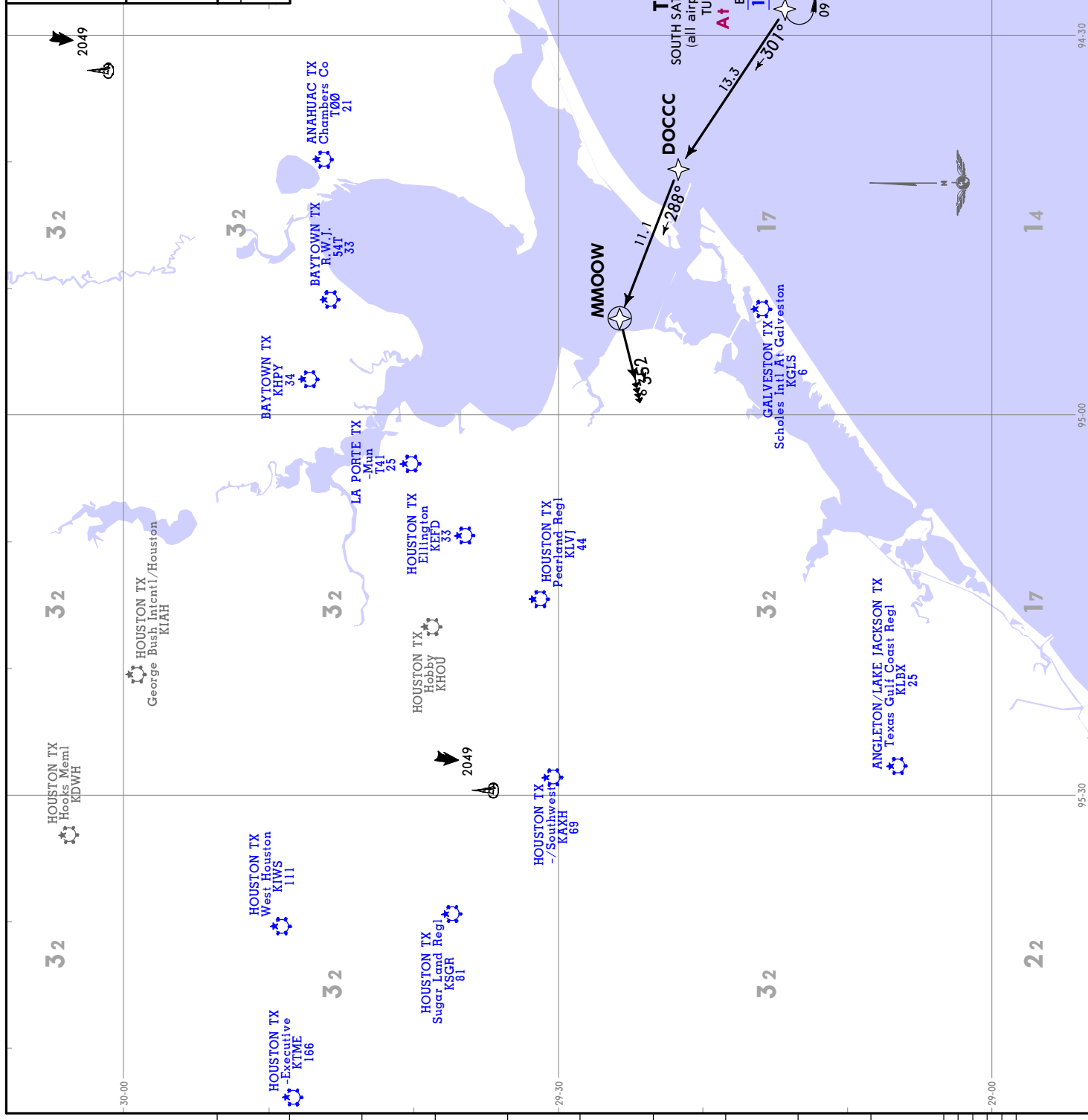
Apt Elev See Graphic

ROUTING

From WHAEL on track 027° to cross PIEGY at 7000, then on track 027° to COWZZ, then on track 027° to cross MUTWO at 5000, then on track 027° to cross PIEGY at 7000, then on track 027° to COWZZ, then on track 027° to cross MUTWO at 5000, then on track 070°. EXPECT RADAR vectors to final approach course.



Alt Set: INCHES Trans level: FL180
RNAV 1 - DME/DME/IRU/or GPS
Apt Elev See Graphic
1. RADAR required, 2. Turbojet and turboprop aircraft only, 3. Airports served: 54T, KAXH, KGLS, KEFD, KHPY, KIWS, KLBX, KLVJ, KSGR, KTME, T00, T41.
TKNIQ 3 RNAV ARRIVAL (TKNIQ.TKNIQ3)
ROUTING
From TKNIQ on track 301° to DOCCC. From DOCCC on track 288° to MMOOW. Then on track 253°. EXPECT RADAR vectors to final approach course.



AREA STAR

HOUSTON METROPLEX TEXAS STAR

28 OCT 22 90-2G Eff 3 Nov

AREA STAR

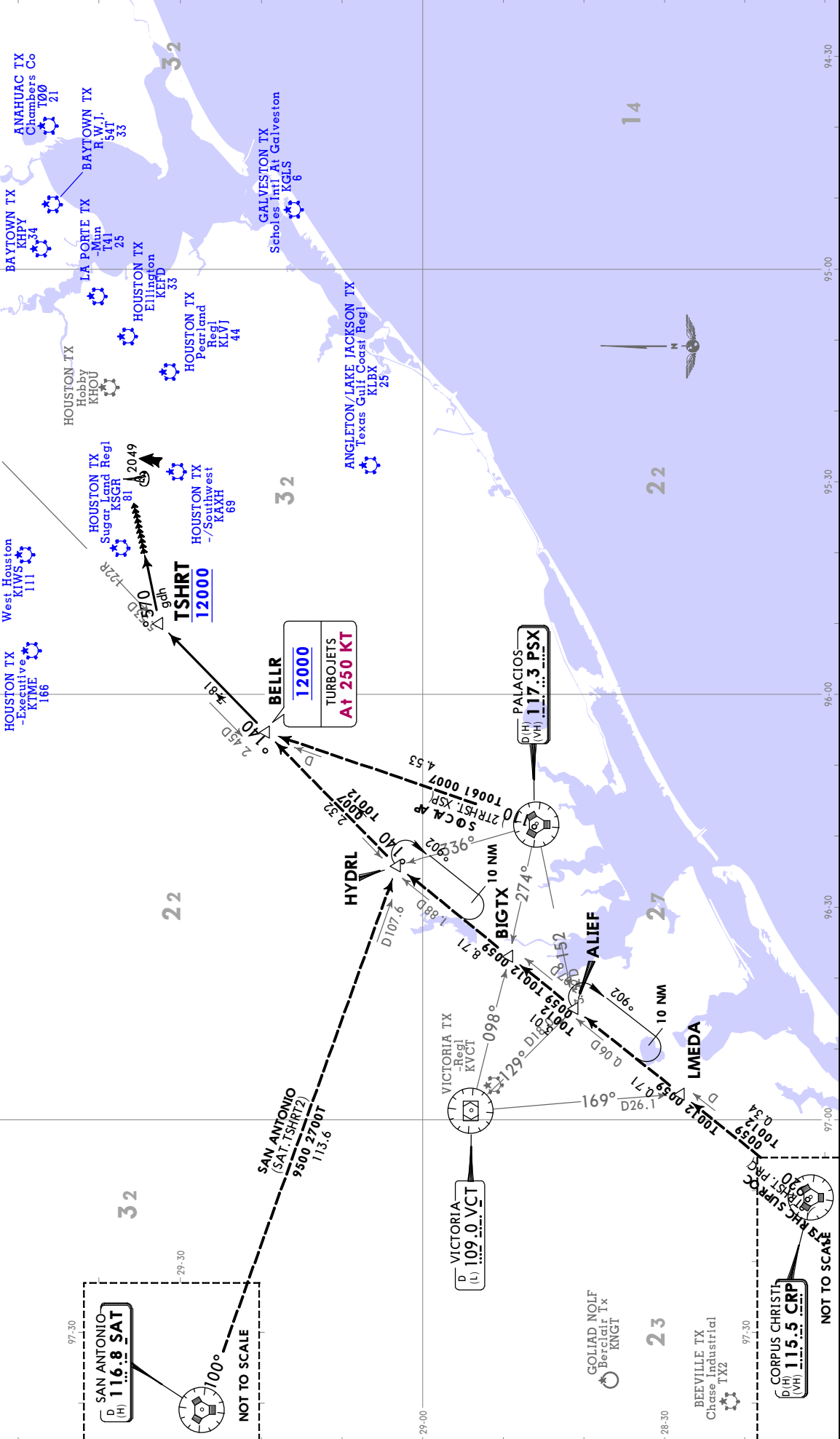
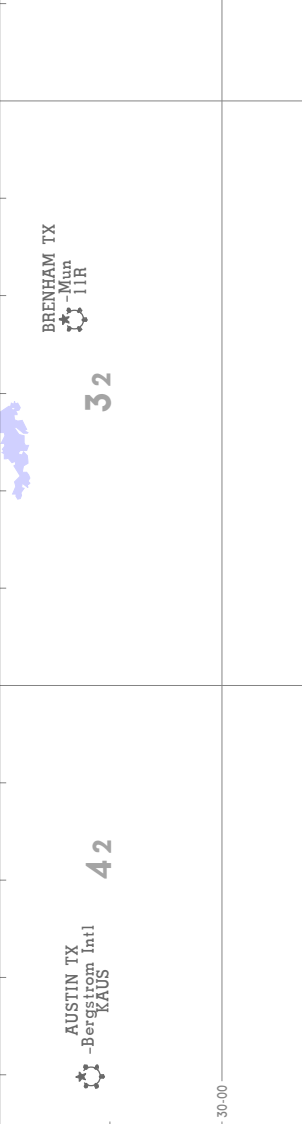
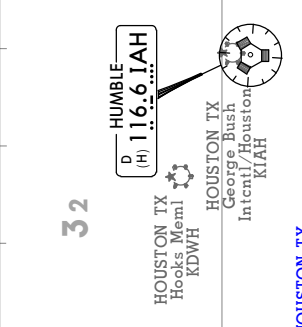
STAR

Alt Set: INCHES Trans level: FL180
 1. RADAR required. 2. DME required.
 3. DME required for holding at HYDRL.
 4. Airports served: 54T, KAXH, KEFD, KGLS, KHPY, KIWS, KLBX, KLVJ, KSGR, KTME, T00, T41.

TSHRT 2 ARRIVAL (BELLR.TSHRT2)

ROUTING

From over BELLR on IAH R221 to cross TSHRT at 12000.
 From TSHRT fly heading 075° for vectors to final approach course.



HOUSTON METROPLEX TEXAS

JEPPESEN

23 DEC 22 (90-2H) EFF 29 Dec

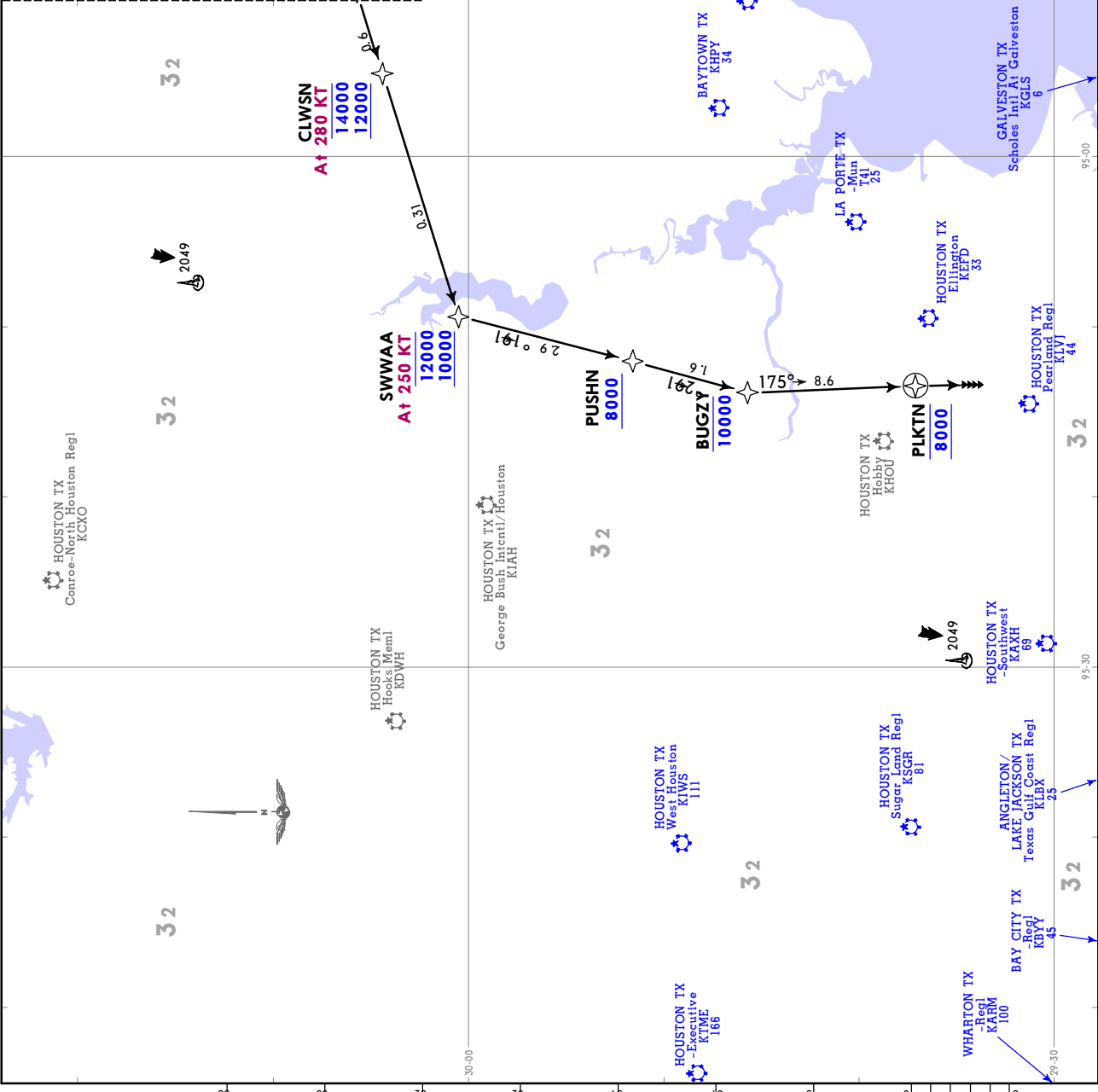
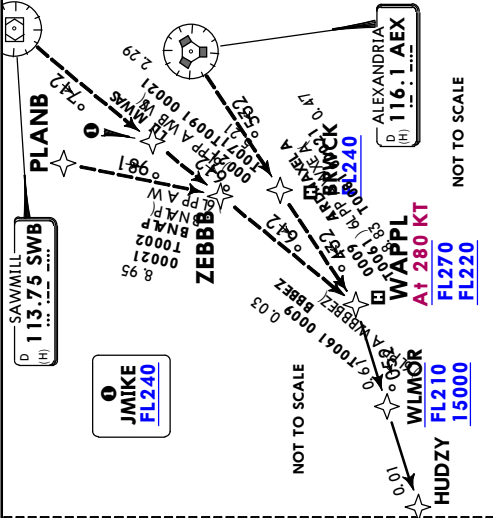
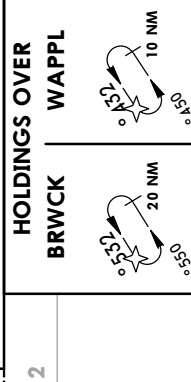
AREA STAR

RNAV STAR

Apt Elev See Graphic	Alt Set: INCHES Trans level: FL180
RNAV 1 - DME/DME/IRU or GPS	
<ol style="list-style-type: none"> 1. RADAR required. 2. For turbojet and turboprop aircraft capable of 280 KT or greater only. 3. EXPECT runway assignment from Houston TRACON upon initial contact. 4. ZEBBB transition ATC assigned only. 5. Except for aircraft departing Shreveport Regl, PLANB transition is ATC assigned only. Do not file. 6. Airports served: 54T, KARM, KAXH, KBYV, KEFD, KGLS, KHPY, KIWS, KLBX, KLVJ, KSGR, KTME, T00, T41. 	

WAPL 6 RNAV ARRIVAL (WAPL.WAPL6)

SPEED RESTRICTION
Turbojet aircraft descend via mach number until intercepting 280 KT. MAINTAIN 280 KT until slowed by STAR.



ROUTING
From WAPL on track 250° to cross WLMOR between FL210 and 15000, then on track 250° to HUDZY, then on track 250° to cross CLWSN between 14000 and 12000, then on track 250° to cross SWWAA between 12000 and 10000, then on track 191° to cross PUSHN at or above 8000, then on track 192° to cross BUCZY at or below 10000, then on track 175° to cross PLKTN at 8000, then on track 175° to final approach course.

**ALEXANDRIA 3 DEPARTURE
 (AEX3.AEX)**

For Procedure Graphic see 90-3
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

AIRPORTS SERVED	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to RAECN.	
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
HOUSTON -SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	Assigned by ATC
SCHOLES INTL AT GALVESTON	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
ROUTING		
MAINTAIN ATc assigned altitude. EXPECT filed altitude 10 minutes after departure. From RAECN on IAH R028 to cross VELCO at or above 10000, then RIGHT turn on LFK R082 and AEX R265 to AEX VOR.		
ALL RWYS	ALL OTHER AIRPORTS	TOP ALTITUDE
When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From RAECN on IAH R028 to VELCO, cross VELCO at or above 10000, then RIGHT turn on LFK R082 and AEX R265 to AEX VOR.		Assigned by ATC

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
ELLINGTON: Rwys 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 per NM to 300, or alternatively, with standard (or lower than standard, if authorized) takeoff minimums and a normal 200 per NM climb gradient, takeoff must occur no later than 1400 prior to DER.
HOOKS MEML: Rwys 17L, 35R: Not Authorized- environmental.
 Rwy 17R, 35L: Standard (or lower than standard, if authorized).
 Waterways 17, 35: Not Authorized-air traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized).
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized).
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized).
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

BLTWY 7 RNAV DEPARTURE (BLTWY7.BLTWY)

For Procedure Graphic see 90-3A PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):

- BAY CITY REGL:** Rwys 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
- BAYTOWN:** Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- CHAMBERS CO:** Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- Rwys 17, 35:** Not authorized - Environmental.
- CLEVELAND MUN:** Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
- ELLINGTON:** Rwys 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- HOOKS MEML:** Rwys 17L, 35R: Not authorized - Environmental.
- Rwys 17R, 35L:** Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
- Waterways 17, 35:** Not authorized - Air Traffic.
- HOUSTON EXECUTIVE:** Rwys 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
- HOUSTON-SOUTHWEST:** Rwys 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
- LA PORTE MUN:** Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- LIBERTY MUN:** Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
- PEARLAND REGL:** Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
- R.W.J.:** Rwys 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- Rwys 14, 32:** Not authorized - Environmental.
- SCHOLES INTL AT GALVESTON:** Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 520.
- SUGAR LAND REGL:** Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
- TEXAS GULF COAST REGL:** Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- WEST HOUSTON:** Rwys 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
- WHARTON REGL:** Rwys 14, 32: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° or as assigned by ATC for RADAR vectors to DREMR. Rwy 31: Climb on heading 311° or as assigned by ATC for RADAR vectors to DREMR.	Assigned by ATC
BAYTOWN	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to DREMR. Rwy 32: Climb on heading 320° to 540 for RADAR vectors to DREMR.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to DREMR. Rwy 30: Climb on heading 304° to 540 for RADAR vectors to DREMR.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to DREMR. Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to DREMR.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to DREMR. Rwys 17L/R: Climb on heading 174° to 540 for RADAR vectors to DREMR. Rwy 22: Climb on heading 219° to 540 for RADAR vectors to DREMR. Rwys 35L/R: Climb on heading 354° to 540 for RADAR vectors to DREMR. Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to DREMR. Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to DREMR.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to DREMR. Rwy 36: Climb on heading 355° to 680 for RADAR vectors to DREMR.	
HOUSTON-SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to DREMR. Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to DREMR.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to DREMR. Rwy 12: Climb on heading 121° to 540 for RADAR vectors to DREMR. Rwy 23: Climb on heading 226° to 540 for RADAR vectors to DREMR. Rwy 30: Climb on heading 301° to 540 for RADAR vectors to DREMR.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to DREMR. Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to DREMR.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to DREMR. Rwy 32: Climb on heading 322° to 700 for RADAR vectors to DREMR.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to DREMR. Rwy 26: Climb on heading 264° to 540 for RADAR vectors to DREMR.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to DREMR. Rwy 18: Climb on heading 179° to 520 for RADAR vectors to DREMR. Rwy 32: Climb on heading 318° to 520 for RADAR vectors to DREMR. Rwy 36: Climb on heading 359° to 520 for RADAR vectors to DREMR.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to DREMR. Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to DREMR.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to DREMR. Rwy 35: Climb on heading 355° to 540 for RADAR vectors to DREMR.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to DREMR. Rwy 33: Climb on heading 330° to 620 for RADAR vectors to DREMR.	
WHARTON REGL	Rwy 14: Climb on heading 148° or as assigned by ATC for RADAR vectors to DREMR. Rwy 32: Climb on heading 328° or as assigned by ATC for RADAR vectors to DREMR.	

ROUTING
From DREMR on track 345° to LITLD, then on track 346° to BLTWY, then on transition. MAINTAIN ATC assigned altitude. EXPECT filled altitude 10 minutes after departure.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

BORRN 6 RNAV DEPARTURE
(BORRN6.BORRN)
 For Procedure Graphic see 90-3B
 PROCEDURE TEXT

TAKE-OFF OBSTACLE NOTES
 See TAKE-OFF OBSTACLE NOTES page (90-30B1).

AIRPORTS SERVED	INITIAL CLIMB	TOP ALTITUDE
BAYTOWN	Rwy 14: Climb on heading 140° to 540, for RADAR vectors to BORRN. Rwy 32: Climb on heading 320° to 540, for RADAR vectors to BORRN.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540, for RADAR vectors to BORRN. Rwy 30: Climb on heading 304° to 540, for RADAR vectors to BORRN.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400, for RADAR vectors to BORRN. Rwy 34: Climb on heading 337° to 2000, for RADAR vectors to BORRN.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540, for RADAR vectors to BORRN. Rwys 17L/R: Climb on heading 174° to 540, for RADAR vectors to BORRN. Rwy 22: Climb on heading 219° to 540, for RADAR vectors to BORRN. Rwys 35L/R: Climb on heading 354° to 540, for RADAR vectors to BORRN.	
DAVID WAYNE HOOKS MEML	Rwy 17R: Climb on heading 168° to 660, for RADAR vectors to BORRN. Rwy 35L: Climb on heading 348° to 660, for RADAR vectors to BORRN.	
HOUSTON EXEC	Rwy 18: Climb on heading 175° to 680, for RADAR vectors to BORRN. Rwy 36: Climb on heading 355° to 680, for RADAR vectors to BORRN.	
HOUSTON /SOUTHWEST	Rwy 9: Climb heading 089° to 2000, for RADAR vectors to BORRN. Rwy 27: Climb heading 269° to 2200, for RADAR vectors to BORRN.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540, for RADAR vectors to BORRN. Rwy 12: Climb on heading 121° to 540, for RADAR vectors to BORRN. Rwy 23: Climb on heading 226° to 540, for RADAR vectors to BORRN. Rwy 30: Climb on heading 301° to 540, for RADAR vectors to BORRN.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700, for RADAR vectors to BORRN. Rwy 34: Climb on heading 341° to 1000, for RADAR vectors to BORRN.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600, for RADAR vectors to BORRN. Rwy 32: Climb on heading 322° to 900, for RADAR vectors to BORRN.	
RWJ	Rwy 8: Climb on heading 084° to 540, for RADAR vectors to BORRN. Rwy 26: Climb on heading 264° to 540, for RADAR vectors to BORRN.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520, for RADAR vectors to BORRN. Rwy 18: Climb on heading 179° to 520, for RADAR vectors to BORRN. Rwy 32: Climb on heading 318° to 520, for RADAR vectors to BORRN. Rwy 36: Climb on heading 359° to 520, for RADAR vectors to BORRN.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500, for RADAR vectors to BORRN. Rwy 35: Climb on heading 350° to 1100, for RADAR vectors to BORRN.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540, for RADAR vectors to BORRN. Rwy 35: Climb on heading 355° to 540, for RADAR vectors to BORRN.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620, for RADAR vectors to BORRN. Rwy 33: Climb on heading 330° to 620, for RADAR vectors to BORRN.	

TAKE-OFF MINIMUMS:
BAYTOWN: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard with minimum climb of 500 FT/NM to 540.
CLEVELAND MUN: Rwy 16: Standard with minimum climb of 500 FT/NM to 1000.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard with minimum climb of 500 FT/NM to 540.
DAVID WAYNE HOOKS MEML: Rwys 17L, 35R: NA - Environmental.
Rwys 17R, 35L: Standard with minimum climb of 500 FT/NM to 660.
Waterways 17, 35: NA - Air Traffic.
HOUSTON EXEC: Rwys 18, 36: Standard with minimum climb of 500 FT/NM to 680.
HOUSTON/SOUTHWEST: Rwys 9, 27: Standard with minimum climb of 500 FT/NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard with minimum climb of 500 FT/NM to 540.
LIBERTY MUN: Rwys 16, 34: Standard with minimum climb of 500 FT/NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 560.
RWJ: Rwys 8, 26: Standard with minimum climb of 500 FT/NM to 540.
Rwys 14, 32: NA - Environmental.
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard with minimum climb of 500 FT/NM to 520.
SUGAR LAND REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 600.
TEXAS GULF COAST REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard with minimum climb of 500 FT/NM to 620.

Grnd speed-KT	75	100	150	200	250	300
500 FT/NM	625	833	1250	1667	2083	2500

From BORRN on track 267° to DILRE, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

CHANGES: Procedure renumbered.

AREA SID

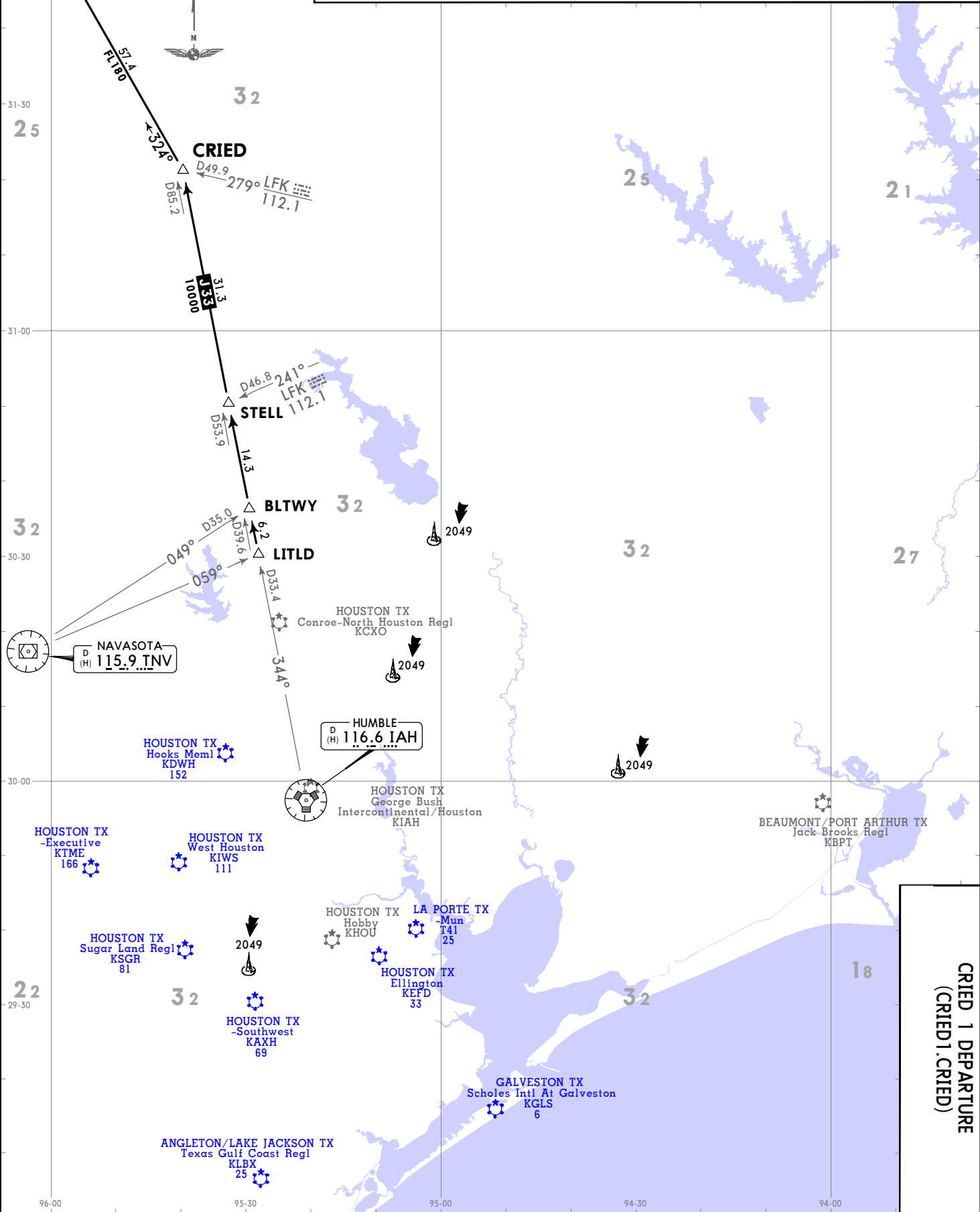
CDAR CREEK
 (L) **114.8 CQY**

Apt Elev
See Graphic

Trans alt: 18000
 1. RADAR required.
 2. Also serves KEFD, KDWH, KTME, KAXH, T41, KGLS, KSGR, KLBX, KIWS.

NOT TO SCALE

CRIED 1 DEPARTURE (CRIED1.CRIED)
 For Procedure Text and Takeoff Minimums see 90-3C1
 PROCEDURE GRAPHIC



CRIED 1 DEPARTURE
 (CRIED1.CRIED)

HOUSTON METROPLEX
 TEXAS
 SID
 1 OCT 21 (90-3C) EFF 7 Oct
 JEPPESEN

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**CRIED 1 DEPARTURE
 (CRIED1.CRIED)**

For Procedure Graphic see 90-3C
 PROCEDURE TEXT

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
ELLINGTON: Rwy 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 per NM to 300 or alternatively, with standard (or lower than standard, if authorized) takeoff minimums and a normal 200 per NM climb gradient, takeoff must occur no later than 1400 prior to DER.
HOOKS MEML: Rwys 17L, 35R: Not Authorized-environmental.
 Rwys 17R, 35L: Standard (or lower than standard, if authorized).
 Waterways 17, 35: Not Authorized-air traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized).
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized).
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized).
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized).

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to LITLD. Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.	
HOUSTON EXECUTIVE	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.	
HOUSTON -SOUTHWEST	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.	Assigned by ATC
LA PORTE MUN	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.	
SCHOLES INTL AT GALVESTON	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.	
SUGAR LAND REGL		
ROUTING		
MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From LITLD on IAH R344 to STELL, then on IAH R344 to CRIED, then LEFT turn on CQY R144 to CQY VOR.		
ALL OTHER AIRPORTS		
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From LITLD on IAH R344, to STELL, then on IAH R344 to CRIED, then LEFT turn on CQY R144 to CQY VOR.	Assigned by ATC

EL DORADO 1 DEPARTURE
(ELD1.ELD)

For Procedure Graphic see 90-3D
PROCEDURE TEXT

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
ELLINGTON: Rwy 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 per NM to 300 or alternatively with standard (or lower than standard, if authorized) take-off minimums and a normal 200 per NM climb gradient. Take-off must occur no later than 1400 prior to DER.

HOOKS MEML: Rwys 17L, 35R: Not Authorized - environmental.
 Rwy 17R, 35L: Standard (or lower than standard, if authorized).
 Waterways 17, 35: Not Authorized - air traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized).
HOUSTON-SOUTHWEST: Rwy 9, 27: Standard (or lower than standard, if authorized).
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized).

SCHOLES INTL AT GALVESTON:
 Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).
SUGAR LAND REGL: Rwy 17, 35: Standard (or lower than standard, if authorized).
TEXAS GULF COAST REGL: Rwy 17, 35: Standard (or lower than standard, if authorized).
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to RAECN.	
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
HOUSTON -SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	Assigned by ATC
SCHOLES INTL AT GALVESTON	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.	
ROUTING		
MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From RAECN on IAH R028 and the ELD R208 to ELD VOR, cross VELCO at or above 10000.		
ALL OTHER AIRPORTS		
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From RAECN on IAH R028 and the ELD R208 to ELD VOR, cross VELCO at or above 10000.	Assigned by ATC

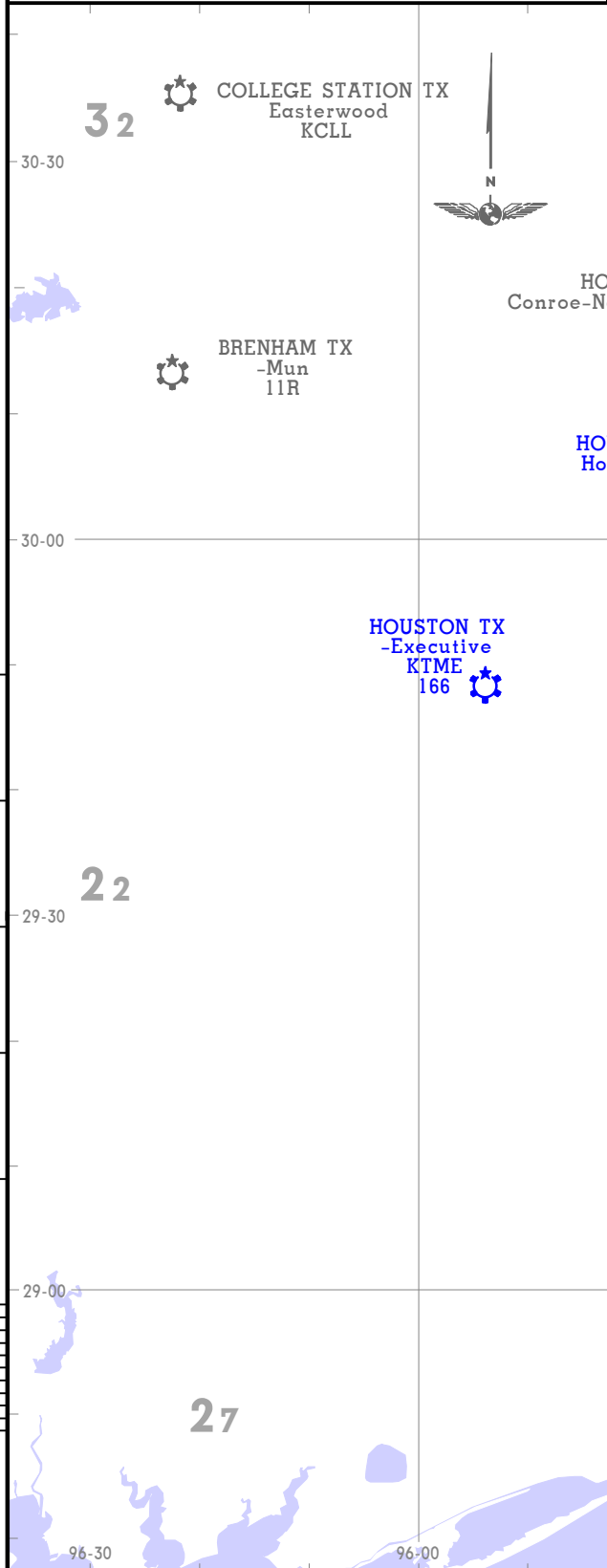
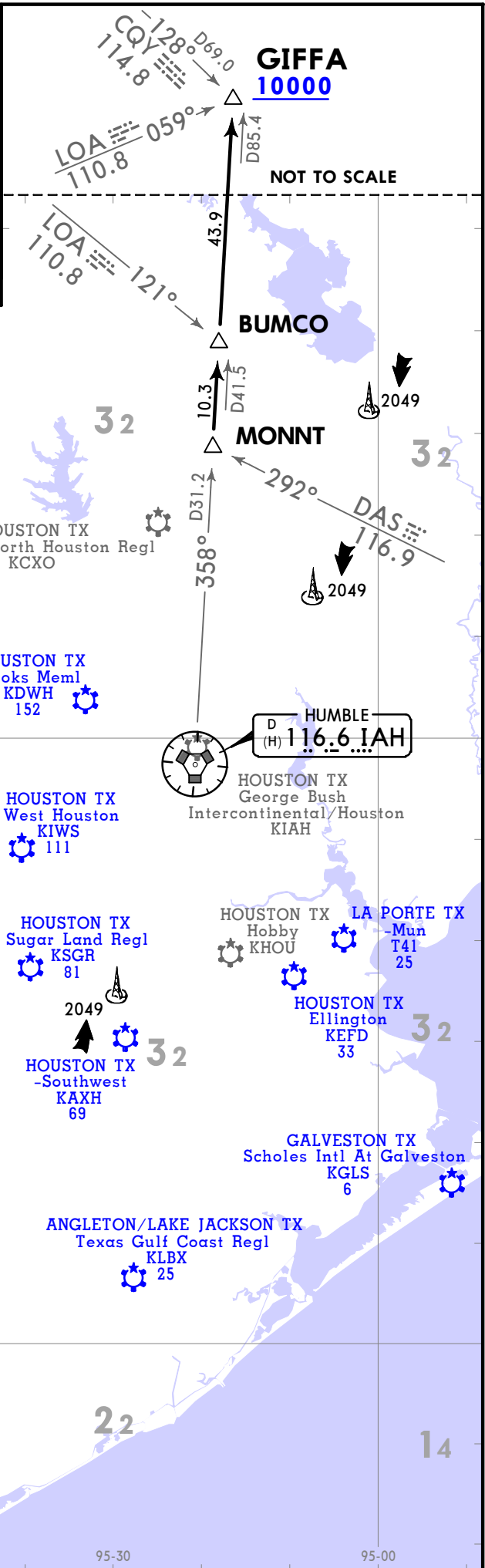
HOUSTON METROPLEX, TEXAS

JEPPESEN
1 OCT 21 **(90-3E)** Eff 7 Oct

AREA SID

SID

Apt Elev See Graphic	Trans alt: 18000
1. RADAR required. 2. For aircraft destined for Dallas Ft Worth (DFW) terminal area only. 3. Also serves KEFD, KDWH, KTME, KAXH, T41, KGLS, KSGR, KLBX, KIWS.	
GIFFA 1 DEPARTURE (GIFFA1.GIFFA) For Procedure Text and Takeoff Minimums see 90-3E1 PROCEDURE GRAPHIC	



CHANGES: Procedure renumbered.

AREA SID

**GIFFA 1 DEPARTURE
(GIFFA1.GIFFA)**

**For Procedure Graphic see 90-3E
PROCEDURE TEXT**

This SID requires takeoff minimums
(for standard minimums, refer to airport chart):

ELLINGTON: Rwys 4, 17L/R, 35L/R: Standard
(or lower than standard, if authorized).

Rwy 22: 200-1 1/4 or standard (or lower than
standard, if authorized) with minimum climb of
214 per NM to 300 or alternatively with
standard (or lower than standard, if authorized)
takeoff minimums and a normal 200 per NM
climb gradient, takeoff must occur no later
than 1400 prior to DER.

HOOKS MEML: Rwys 17L, 35R: Not Authorized-
environmental.

Rwys 17R, 35L: Standard (or lower than standard,
if authorized).

Waterways 17, 35: Not Authorized - air traffic.

HOUSTON EXECUTIVE: Rwys 18, 36: Standard
(or lower than standard, if authorized).

HOUSTON-SOUTHWEST: Rwys 9, 27: Standard
(or lower than standard, if authorized).

LA PORTE MUN: Rwys 5, 12, 23, 30: Standard
(or lower than standard, if authorized).

SCHOLES INTL AT GALVESTON:
Rwys 14, 18, 32, 36: Standard (or lower than
standard, if authorized).

SUGAR LAND REGL: Rwys 17, 35: Standard
(or lower than standard, if authorized).

TEXAS GULF COAST REGL: Rwys 17, 35:
Standard (or lower than standard, if authorized).

WEST HOUSTON: Rwys 15, 33: Standard
(or lower than standard, if authorized).

TAKEOFF OBSTACLE NOTES

See TAKEOFF OBSTACLE NOTES page (90-30B1).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to MONNT.	Assigned by ATC
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to MMONT. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.	
HOUSTON -SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.	
SCHOLES INTL AT GALVESTON	Rwys 14,18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to MMONT. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.	

ROUTING

MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From MONNT on IAH R358 to cross GIFFA at or above 10000.

ALL OTHER AIRPORTS	TOP ALTITUDE
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to MMONT. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From MONNT on IAH R358 to cross GIFFA at or above 10000.

HOUSTON METROPLEX TEXAS

1 OCT 21 (90-3F) Eff 7 Oct

RNAV SID

Apt Elev
See Graphic

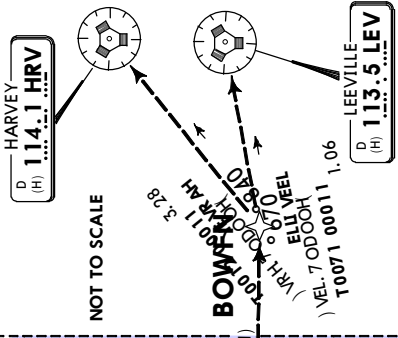
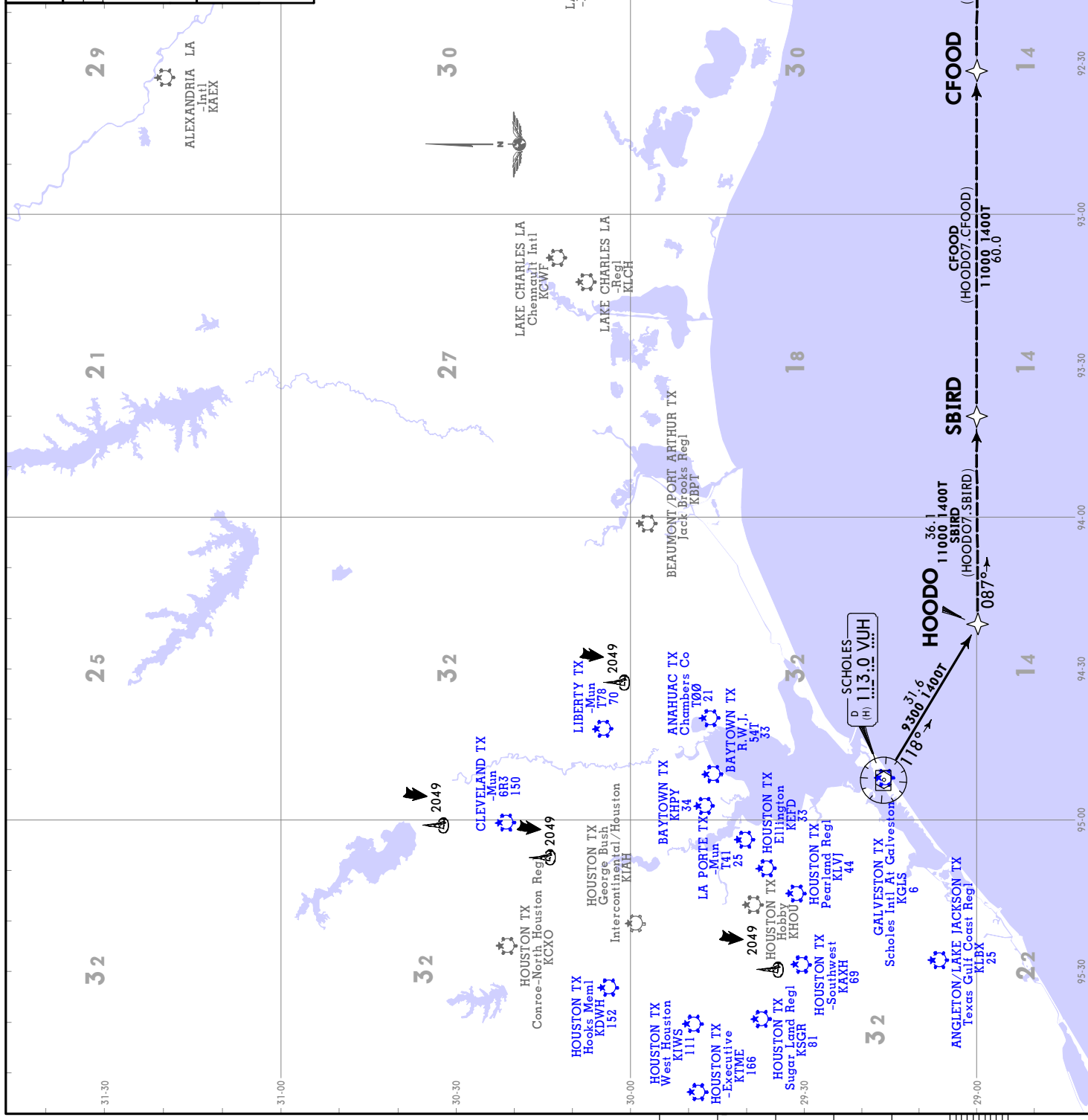
Trans alt: 18000

RNAV 1 DME/DME/IRU or GPS required

1. RADAR required. 2. ATC assigned only. 3. For non-GPS equipped aircraft, LCH, LEV, LLA, and TBD DMEs must be operational. 4. Also serves KHPY, T00, 6R3, KEFD, KDWH, KTME, KAXH, T41, T78, KLVJ, 54T, KGLS, KSGR, KLBX, KIWS.

HOODO 7 RNAV DEPARTURE (HOODO7.HOODO)

For Procedure Text and Takeoff Minimums see 90-3F1 PROCEDURE GRAPHIC



AREA SID

**HOODO 7 RNAV DEPARTURE
 (HOODO7.HOODO)**

For Procedure Graphic see 90-3F
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAYTOWN: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CLEVELAND MUN: Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
HOOKS MEML: Rwys 17L, 33R: Not authorized - Environmental.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 680.
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 540.
LIBERTY MUN: Rwy 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
R.W.J.: Rwys 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.
TEXAS GULF COAST REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 620.

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAYTOWN	Rwy 14: Climb on heading 140° to 540.	
	Rwy 32: Climb on heading 320° to 540.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540.	
	Rwy 30: Climb on heading 304° to 540.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400.	
	Rwy 34: Climb on heading 312° to 2000.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540.	
	Rwys 17L/R: Climb on heading 174° to 540.	
	Rwy 22: Climb on heading 219° to 540. Rwys 35L/R: Climb on heading 354° to 540.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660. Rwy 35L: Climb on heading 348° to 660.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680.	
	Rwy 36: Climb on heading 355° to 700.	
HOUSTON-SOUTHWEST	Rwy 9: Climb on heading 089° to 2000.	
	Rwy 27: Climb on heading 269° to 2200.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540.	Assigned by ATC
	Rwy 12: Climb on heading 121° to 540.	
	Rwy 23: Climb on heading 226° to 540.	
	Rwy 30: Climb on heading 301° to 540.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700.	
	Rwy 34: Climb on heading 341° to 1000.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600.	
	Rwy 32: Climb on heading 322° to 700.	
R.W.J.	Rwy 8: Climb on heading 084° to 540.	
	Rwy 26: Climb on heading 264° to 540.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520.	
	Rwy 18: Climb on heading 179° to 520.	
	Rwy 32: Climb on heading 318° to 520.	
	Rwy 36: Climb on heading 359° to 520.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500.	
	Rwy 35: Climb on heading 350° to 1100.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540.	
	Rwy 35: Climb on heading 355° to 540.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620.	
	Rwy 33: Climb on heading 330° to 620.	

ROUTING						
Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

For RADAR vectors to VUH VOR, then on track 118° to HOODO, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

CHANGES: Initial climb, procedure renumbered.

AREA SID

INDIE 8 RNAV DEPARTURE (INDIE8.INDIE)

For Procedure Graphic see 90-3G PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

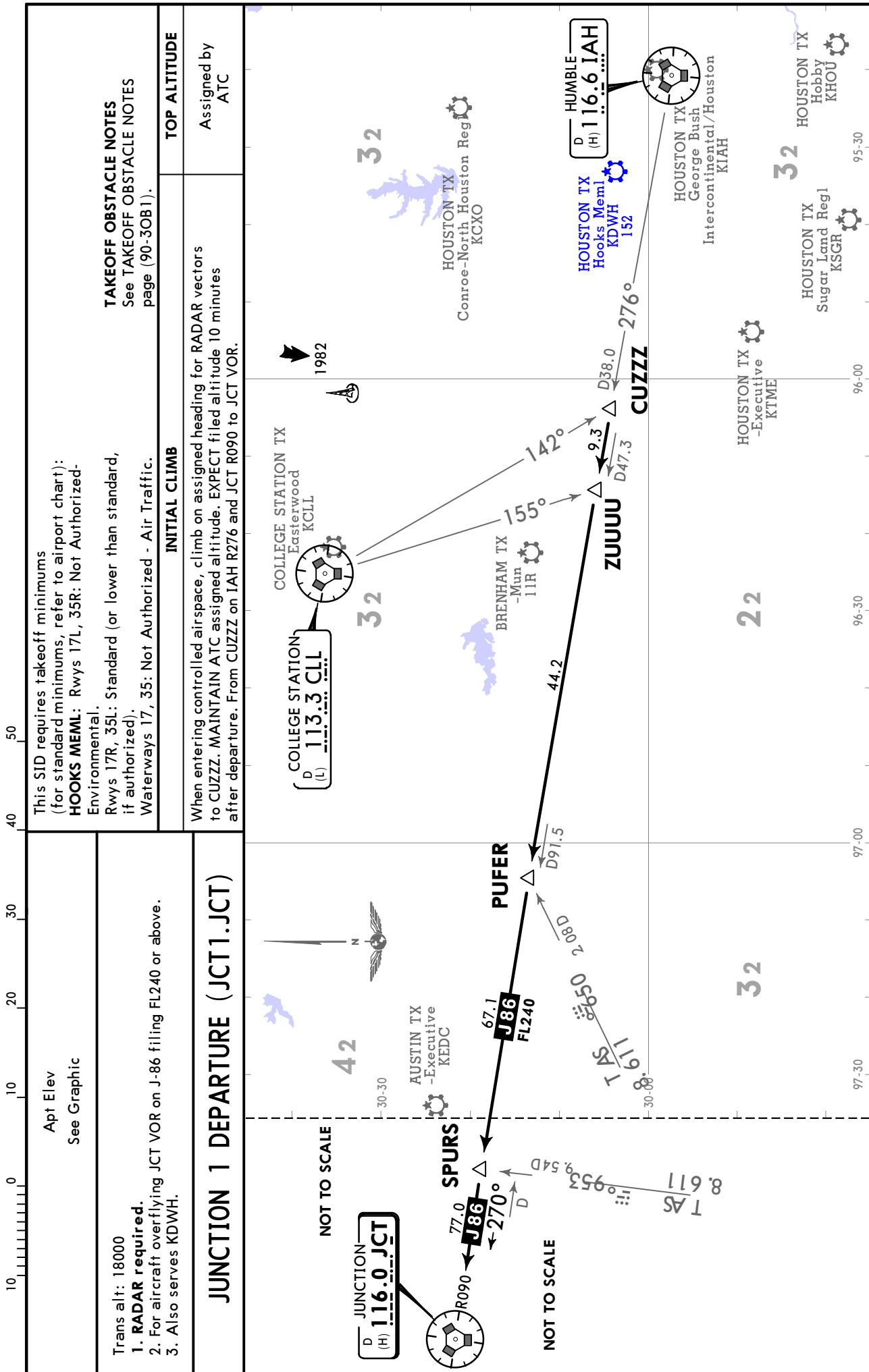
This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAY CITY REGL: Rwy 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
BAYTOWN: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CLEVELAND MUN: Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
HOOKS MEML: Rwys 17L, 35R: Not authorized - Environmental.
Rwys 17R, 35L: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
Waterways 17, 35: Not authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
LIBERTY MUN: Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
R.W.J.: Rwys 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
Rwys 14, 32: Not authorized - Environmental.
SCHOLES INTL AT GALVESTON:
Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 570.
SUGAR LAND REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
WHARTON REGL: Rwys 14, 32: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° to 560 for RADAR vectors to RENNIK.	
	Rwy 31: Climb on heading 311° to 560 for RADAR vectors to RENNIK.	
BAYTOWN	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to RENNIK.	
	Rwy 32: Climb on heading 320° to 540 for RADAR vectors to RENNIK.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to RENNIK.	
	Rwy 30: Climb on heading 304° to 540 for RADAR vectors to RENNIK.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to RENNIK.	
	Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to RENNIK.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to RENNIK.	
	Rwys 17L/R: Climb on heading 174° to 540 for RADAR vectors to RENNIK.	
	Rwy 22: Climb on heading 219° to 540 for RADAR vectors to RENNIK.	
	Rwys 35L/R: Climb on heading 354° to 540 for RADAR vectors to RENNIK.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to RENNIK.	
	Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to RENNIK.	
	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to RENNIK.	
HOUSTON EXECUTIVE	Rwy 36: Climb on heading 355° to 680 for RADAR vectors to RENNIK.	
	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to RENNIK.	
HOUSTON-SOUTHWEST	Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to RENNIK.	
	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to RENNIK.	
LA PORTE MUN	Rwy 12: Climb on heading 121° to 540 for RADAR vectors to RENNIK.	Assigned by ATC
	Rwy 23: Climb on heading 226° to 540 for RADAR vectors to RENNIK.	
	Rwy 30: Climb on heading 301° to 540 for RADAR vectors to RENNIK.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to RENNIK.	
	Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to RENNIK.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to RENNIK.	
	Rwy 32: Climb on heading 322° to 700 for RADAR vectors to RENNIK.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to RENNIK.	
	Rwy 26: Climb on heading 264° to 540 for RADAR vectors to RENNIK.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to RENNIK.	
	Rwy 18: Climb on heading 179° to 520 for RADAR vectors to RENNIK.	
	Rwy 32: Climb on heading 318° to 520 for RADAR vectors to RENNIK.	
	Rwy 36: Climb on heading 359° to 520 for RADAR vectors to RENNIK.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to RENNIK.	
	Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to RENNIK.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to RENNIK.	
	Rwy 35: Climb on heading 355° to 540 for RADAR vectors to RENNIK.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to RENNIK.	
	Rwy 33: Climb on heading 330° to 620 for RADAR vectors to RENNIK.	
WHARTON REGL	Rwy 14: Climb on heading 148° to 600 for RADAR vectors to RENNIK.	
	Rwy 32: Climb on heading 328° to 600 for RADAR vectors to RENNIK.	

ROUTING
 From RENNIK on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

AREA SID



This SID requires takeoff minimums (for standard minimums, refer to airport chart):
HOOKS MEML: Rwy 17L, 35R: Not Authorized- Environmental.
 Rwy 17R, 35L: Standard (or lower than standard, if authorized).
 Waterways 17, 35: Not Authorized - Air Traffic.

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

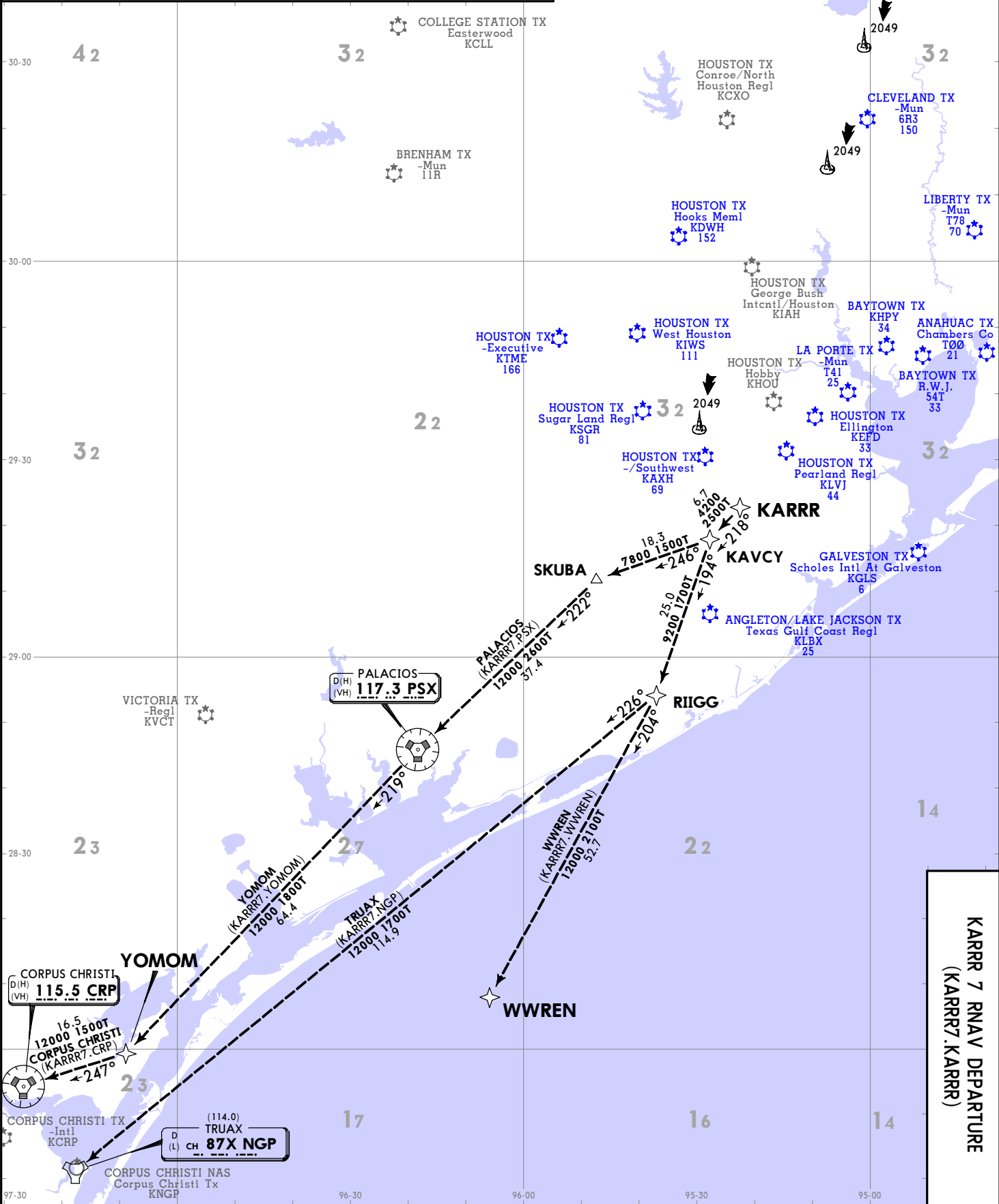
INITIAL CLIMB
 When entering controlled airspace, climb on assigned heading for RADAR vectors to CUZZ. MAINTAIN ATC assigned altitude. EXPECT filled altitude 10 minutes after departure. From CUZZ on IAH R276 and JCT R090 to JCT VOR.

TOP ALTITUDE
 Assigned by ATC

JUNCTION 1 DEPARTURE (JCT1.JCT)

CHANGES: Procedure renumbered. KARRR to KAVCY MOCA.

Apt Elev See Graphic	Trans alt: 18000	RNAV-1 DME/DME/IRU or GPS
		1. RADAR required. 2. Also serves KHPY, T00, 6R3, KEFD, KDWH, KTME, KAXH, T41, T78, KLVJ, 54T, KGLS, KSGR, KLBX, KIWS.
KARRR 7 RNAV DEPARTURE (KARRR7.KARRR)		
For Procedure Text and Takeoff Minimums see 90-3K1 PROCEDURE GRAPHIC		



AREA SID

KARRR 7 RNAV DEPARTURE
(KARRR7.KARRR)

HOUSTON METROPLEX, TEXAS
JEPPESSEN
23 DEC 22 (90-3K) EFF 29 Dec
RNAV SID

KARRR 7 RNAV DEPARTURE
(KARRR7.KARRR)
 For Procedure Graphic see 90-3K
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

AIRPORTS SERVED	INITIAL CLIMB	TOP ALTITUDE
BAYTOWN	Rwy 14: Climb on heading 140° to 540, for RADAR vectors to KARRR. Rwy 32: Climb on heading 320° to 540, for RADAR vectors to KARRR.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540, for RADAR vectors to KARRR. Rwy 30: Climb on heading 304° to 540, for RADAR vectors to KARRR.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400, for RADAR vectors to KARRR. Rwy 34: Climb on heading 337° to 2000, for RADAR vectors to KARRR.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540, for RADAR vectors to KARRR. Rwys 17L/R: Climb on heading 174° to 540, for RADAR vectors to KARRR. Rwy 22: Climb on heading 219° to 540, for RADAR vectors to KARRR. Rwys 35L/R: Climb on heading 354° to 540, for RADAR vectors to KARRR.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660, for RADAR vectors to KARRR. Rwy 35L: Climb on heading 348° to 660, for RADAR vectors to KARRR.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680, for RADAR vectors to KARRR. Rwy 36: Climb on heading 355° to 680, for RADAR vectors to KARRR.	
HOUSTON/SOUTHWEST	Rwy 9: Climb on heading 089° to 2000, for RADAR vectors to KARRR. Rwy 27: Climb on heading 269° to 2200, for RADAR vectors to KARRR.	Assigned by ATC
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540, for RADAR vectors to KARRR. Rwy 12: Climb on heading 121° to 540, for RADAR vectors to KARRR. Rwy 23: Climb on heading 226° to 540, for RADAR vectors to KARRR. Rwy 30: Climb on heading 301° to 540, for RADAR vectors to KARRR.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700, for RADAR vectors to KARRR. Rwy 34: Climb on heading 341° to 1000, for RADAR vectors to KARRR.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600, for RADAR vectors to KARRR. Rwy 32: Climb on heading 322° to 900, for RADAR vectors to KARRR.	
R.W.J.	Rwy 8: Climb on heading 084° to 540, for RADAR vectors to KARRR. Rwy 26: Climb on heading 264° to 540, for RADAR vectors to KARRR.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520, for RADAR vectors to KARRR. Rwy 18: Climb on heading 179° to 520, for RADAR vectors to KARRR. Rwy 32: Climb on heading 318° to 520, for RADAR vectors to KARRR. Rwy 36: Climb on heading 359° to 520, for RADAR vectors to KARRR.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500, for RADAR vectors to KARRR. Rwy 35: Climb on heading 350° to 1100, for RADAR vectors to KARRR.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540, for RADAR vectors to KARRR. Rwy 35: Climb on heading 355° to 540, for RADAR vectors to KARRR.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620, for RADAR vectors to KARRR. Rwy 33: Climb on heading 330° to 620, for RADAR vectors to KARRR.	

ROUTING

From KARRR on track 218° to KAVCY, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

TAKEOFF MINIMUMS:

BAYTOWN:
 Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 540.

CHAMBERS CO:
 Rwys 12, 30: Standard with minimum climb of 500 FT/NM to 540.
 Rwys 17, 35: Not Authorized - Environmental.

CLEVELAND MUN:
 Rwy 16: Standard with minimum climb of 500 FT/NM to 660.
 Rwy 34: Standard with minimum climb of 500 FT/NM to 1000.

ELLINGTON:
 Rwys 4, 17L/R, 22, 35L/R: Standard with minimum climb of 500 FT/NM to 540.

HOOKS MEML:
 Rwys 17L, 35R: Not Authorized - Environmental.
 Rwys 17R, 35L: Standard with minimum climb of 500 FT/NM to 660.
 Waterways 17, 35: Not Authorized - Air Traffic.

HOUSTON EXECUTIVE:
 Rwys 18, 36: Standard with minimum climb of 500 FT/NM to 680.

HOUSTON/SOUTHWEST:
 Rwys 9, 27: Standard with minimum climb of 500 FT/NM to 580.

LA PORTE MUN:
 Rwys 5, 12, 23, 30: Standard with minimum climb of 500 FT/NM to 540.

LIBERTY MUN:
 Rwys 16, 34: Standard with minimum climb of 500 FT/NM to 580.

PEARLAND REGL:
 Rwys 14, 32: Standard with minimum climb of 500 FT/ NM to 560.
 R.W.J.:
 Rwys 8, 26: Standard with minimum climb of 500 FT/NM to 540.
 Rwys 14, 32: Not authorized - Environmental.

SCHOLES INTL AT GALVESTON:
 Rwys 14, 18, 32, 36: Standard with minimum climb of 500 FT/NM to 520.

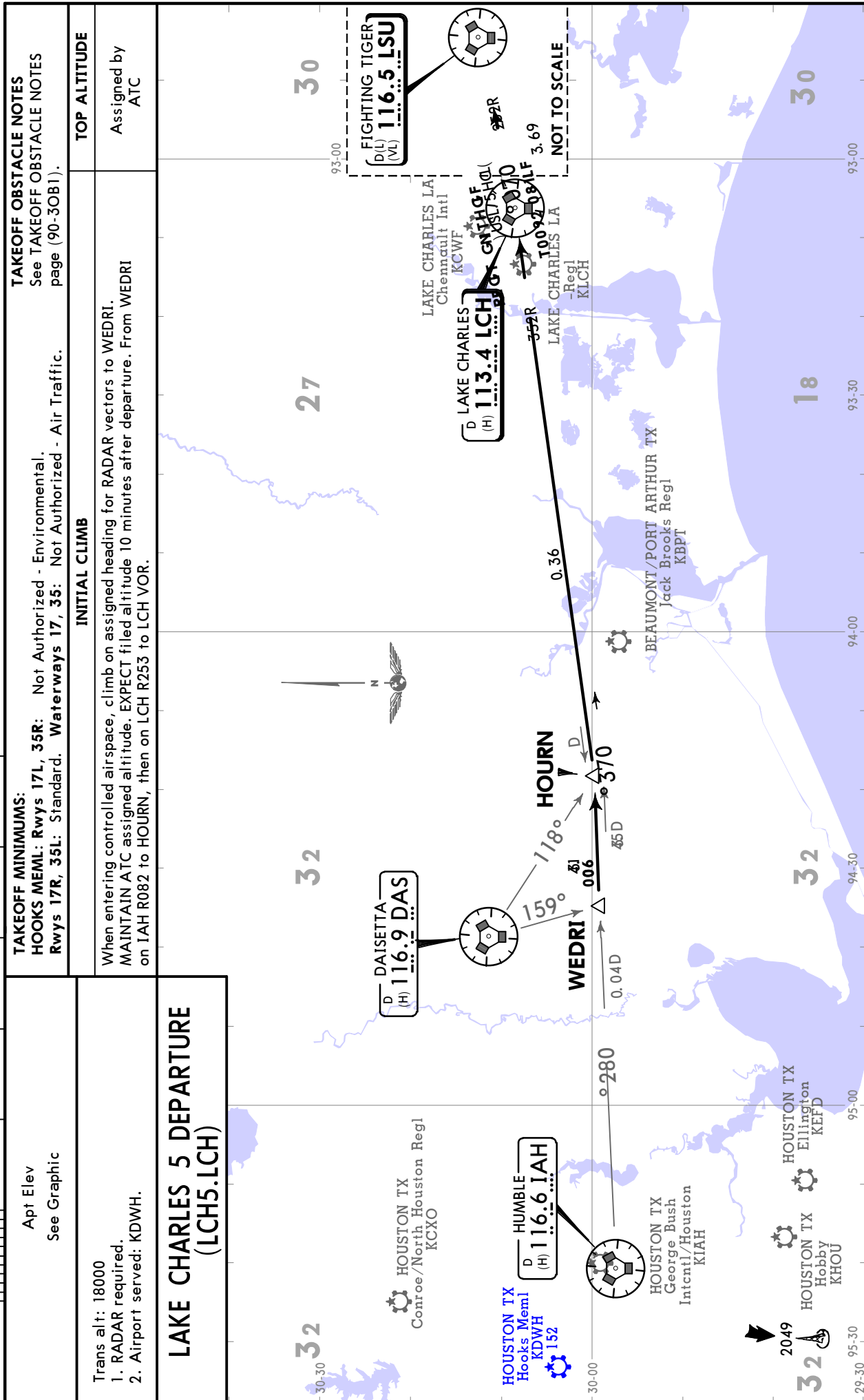
SUGAR LAND REGL:
 Rwy 17, 35: Standard with minimum climb of 500 FT/NM to 600.

TEXAS GULF COAST REGL:
 Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 540.

WEST HOUSTON:
 Rwys 15, 33: Standard with minimum climb of 500 FT/NM to 620.

Grnd speed-KT	75	100	200	250	300
500 FT/NM	625	833	1250	1667	2083
				2500	

AREA SID



TAKEOFF MINIMUMS:
 HOOKS MEML: Rwy 17L, 35R: Not Authorized - Environmental.
 Rwy 17R, 35L: Standard. Waterways 17, 35: Not Authorized - Air Traffic.

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

INITIAL CLIMB
 When entering controlled airspace, climb on assigned heading for RADAR vectors to WEDRI. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From WEDRI on IAH R082 to HURN, then on LCH R253 to LCH VOR.

TOP ALTITUDE
 Assigned by ATC

**LEONA 4 DEPARTURE
 (LOA4.LOA)**

For Procedure Graphic see 90-3M
 PROCEDURE TEXT

This SID requires takeoff minimums for standard minimums, refer to airport chart):
ELLINGTON: Rwy 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 per NM to 300 or alternatively with standard (or lower than standard, if authorized) takeoff minimums and a normal 200 per NM climb gradient, takeoff must occur no later than 1400 prior to DER.

HOOKS MEML: Rwy 17L, 35R: Not Authorized-Environmental.

Rwys 17R, 35L: Standard (or lower than standard, if authorized).

Waterways 17, 35: Not Authorized - Air Traffic.

HOUSTON EXECUTIVE: Rwy 18, 36: Standard (or lower than standard, if authorized).

HOUSTON-SOUTHWEST: Rwy 9, 27: Standard (or lower than standard, if authorized).

LA PORTE MUN: Rwy 5, 12, 23, 30: Standard (or lower than standard, if authorized).

SCHOLES INTL AT GALVESTON:

Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).

SUGAR LAND REGL: Rwy 17, 35: Standard (or lower than standard, if authorized).

TEXAS GULF COAST REGL: Rwy 17, 35: Standard (or lower than standard, if authorized).

WEST HOUSTON: Rwy 15, 33: Standard (or lower than standard, if authorized).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

TAKEOFF OBSTACLE NOTES

See TAKEOFF OBSTACLE NOTES page (90-30B1).

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to WLLIS.	
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.	
HOUSTON -SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.	Assigned by ATC
SCHOLES INTL AT GALVESTON	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.	
ROUTING		
MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From WLLIS on LOA R147 to LOA VOR.		
ALL OTHER AIRPORTS		
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From WLLIS on LOA R147 to LOA VOR.	Assigned by ATC

LUFKIN 3 DEPARTURE
 (LFK3.LFK)

For Procedure Graphic see 90-3N
 PROCEDURE TEXT

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
ELLINGTON: Rwy 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 per NM to 300 or alternatively with standard (or lower than standard, if authorized) takeoff minimums and a normal 200 per NM climb gradient, takeoff must occur no later than 1400 prior to DER.
HOOKS MEML: Rwys 17L, 35R: Not Authorized-Environmental.
 Rwys 17R, 35L: Standard (or lower than standard, if authorized).
 Waterways 17, 35: Not Authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized).
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized).
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized).
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized).

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

Gnd speed-KT	75	100	150	200	250	300
200 per NM	250	333	500	667	833	1000
214 per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to KYANN.	
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.	
HOUSTON -SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.	Assigned by ATC
SCHOLES INTL AT GALVESTON	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.	
ROUTING		
MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From KYANN on IAH R013 to COLET, then RIGHT turn on LFK R203 to LFK VOR.		
ALL OTHER AIRPORTS		
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From KYANN on IAH R013 to COLET, then RIGHT turn on LFK R203 to LFK VOR.	Assigned by ATC

<p style="text-align: center;">TAKE-OFF OBSTACLE NOTES - DEPs</p>
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BAY CITY REGL

- RWY 13:
Trees and poles beginning 51 from DER, 306 left of centerline, up to 91 MSL. Tree 337 from DER, 442 right of centerline, 79 MSL. Tree 478 from DER, 473 right of centerline, 83 MSL. Trees beginning 714 from DER, 496 right of centerline, up to 86 MSL.
- RWY 31:
Tree 102 from DER, 340 right of centerline, 61 MSL. Tree 548 from DER, 272 left of centerline, 59 MSL. Tree 944 from DER, 272 right of centerline, 70 MSL. Trees beginning 1002 from DER, 255 right of centerline, up to 78 MSL. Tree 1139 from DER, 750 right of centerline, 80 MSL.

BAYTOWN

- RWY 14:
Tree 9 from DER, 214 left of centerline, 47 MSL. Trees, poles, traverse way beginning 11 from DER, 33 right of centerline, up to 54 MSL. Tree 89 from DER, 413 left of centerline, 51 MSL. Poles, building, trees, traverse way beginning 122 from DER, 9 left of centerline, up to 58 MSL. Trees, poles beginning 316 from DER, 158 left of centerline, up to 66 MSL. Poles, trees beginning 462 from DER, 237 left of centerline, up to 67 MSL. Tree 977 from DER, 447 left of centerline, 68 MSL. Tree 1223 from DER, 90 left of centerline, 70 MSL. Tree 1356 from DER, 427 left of centerline, 72 MSL. Tree 1467 from DER, 531 right of centerline, 80 MSL. Tree 1886 from DER, 558 left of centerline, 91 MSL. Tower 4066 from DER, 1217 right of centerline, 156 AGL/180 MSL.
- RWY 32:
Trees, building, fence, poles beginning 131 from DER, 6 right of centerline, up to 76 MSL. Buildings beginning 251 from DER, 38 left of centerline, up to 42 MSL. Poles, building, trees, traverse way beginning 289 from DER, 4 left of centerline, up to 38 AGL/71 MSL. Poles, trees beginning 688 from DER, 70 right of centerline, up to 48 AGL/80 MSL.

CHAMBERS CO

- RWY 12:
Vehicles on roadway beginning 19 from DER, left and right of centerline, up to 15 AGL/34 MSL. Trees beginning 986 from DER, 732 left of centerline, up to 100 AGL/119 MSL.
- RWY 30:
Trees beginning 60 from DER, left and right of centerline, up to 100 AGL/124 MSL. Vehicles on roadway 121 from DER, 512 right of centerline, up to 17 AGL/36 MSL. Tower 2152 from DER, 593 right of centerline, 60 AGL/83 MSL.

CLEVELAND MUN

- RWY 16:
Trees beginning abeam DER, right and left of centerline, up to 100 AGL/239 MSL.
- RWY 34:
Trees beginning 120 from DER, 243 left of centerline, up to 100 AGL/259 MSL. Trees and poles beginning 225 from DER, 363 right of centerline, up to 100 AGL/220 MSL. Vehicles on road 738 from DER, right and left of centerline, up to 19 AGL/169 MSL.

TAKE-OFF OBSTACLE NOTES - DEPs (CONTD)

ELLINGTON

- RWY 4:
Tree 1526 from DER, 737 right of centerline, 39 AGL/69 MSL.
- RWY 17R:
Pole 1488 from DER, 817 right of centerline, 40 AGL/74 MSL.
- RWY 22:
Obstruction light on glideslope and equipment 321 from DER, 544 left of centerline, 39 AGL/68 MSL. Sign 213 from DER, 472 right of centerline, 6 AGL/32 MSL.
Antenna on building 1998 from DER, 598 right of centerline, 54 AGL/83 MSL.
Obstruction light on comm equipment and antenna 1626 from DER, 837 right centerline, 88 AGL/114 MSL. Obstruction light on water tower and tank 6114 from DER, 1635 right of centerline, 159 AGL/192 MSL.
- RWY 35L:
Trees beginning 1119 from DER, 679 right of centerline, up to 37 AGL/77 MSL.
Crane 2353 from DER, 1024 left of centerline, 58 AGL/97 MSL.
- RWY 35R:
Tree 1597 from DER, 32 left of centerline, 50 AGL/80 MSL. Tank 2639 from DER, 1157 right of centerline, 77 AGL/109 MSL.

HOOKS MEML

- RWY 17R:
Trees, pole beginning 84 from DER, 294 right of centerline, up to 189 MSL.
Building 432 from DER, 526 left of centerline, 27 AGL/172 MSL. Building, navaid beginning 643 from DER, 256 left of centerline, up to 29 AGL/173 MSL. Trees beginning 708 from DER, 430 left of centerline, up to 188 MSL. Tree 1383 from DER, 860 right of centerline, 190 MSL. Tree 1514 from DER, 164 left of centerline, 189 MSL. Trees beginning 1648 from DER, 394 left of centerline, up to 197 MSL. Trees beginning 2100 from DER, 67 left of centerline, up to 214 MSL. Tree 2407 from DER, 188 left of centerline, 215 MSL. Tree 2469 from DER, 81 left of centerline, 217 MSL. Trees beginning 2743 from DER, 163 left of centerline, up to 220 MSL.
- RWY 35L:
Building, pole, tree beginning 85 from DER, 68 left of centerline, up to 48 AGL/202 MSL.
Tree, vehicle on road beginning 100 from DER, on centerline, up to 175 MSL. Tree 487 from DER, 488 right of centerline, 200 MSL. Trees beginning 750 from DER, 123 right of centerline, up to 203 MSL. Tree, building, pole beginning 797 from DER, 42 left of centerline, up to 211 MSL. Tree, pole beginning 868 from DER, 144 right of centerline, up to 228 MSL. Tree 898 from DER, 283 left of centerline, 223 MSL. Tree, pole beginning 930 from DER, 31 left of centerline, up to 226 MSL. Trees beginning 1190 from DER, 613 right of centerline, up to 233 MSL. Tree 1266 from DER, 330 left of centerline, 228 MSL. Tree 1333 from DER, 76 left of centerline, 231 MSL. Tree, building, transmission line beginning 1342 from DER, 152 left of centerline, up to 233 MSL. Transmission line, tree beginning 1428 from DER, 245 right of centerline, up to 107 AGL/254 MSL. Building 1649 from DER, 252 left of centerline, 48 AGL/199 MSL. Tree, transmission line beginning 2084 from DER, 569 left of centerline, up to 238 MSL.

HOUSTON EXECUTIVE

- RWY 36:
Power poles from left to right beginning 703 from DER, 623 left to 685 right of centerline, up to 32 AGL/196 MSL.

AREA SID



 14 APR 23 **90-30B3** Eff 20 Apr
HOUSTON METROPLEX,
TEXAS

SID

TAKE-OFF OBSTACLE NOTES - DEPs (CONTD 1)
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HOUSTON-SOUTHWEST

- RWY 9:
Multiple hangars beginning 239 from DER, 360 right of centerline, up to 42 AGL/106 MSL. Multiple trees beginning 501 from DER, 355 right of centerline, up to 43 AGL/111 MSL. Multiple hangars beginning 119 from DER, 498 left of centerline, up to 41 AGL/105 MSL. Pole 332 from DER, 299 left of centerline, 43 AGL/97 MSL. Antenna 1172 from DER, 658 left of centerline, 51 AGL/115 MSL. Multiple trees beginning 558 from DER, 68 left of centerline, up to 58 AGL/122 MSL.
- RWY 27:
Multiple trees beginning 1050 from DER, 40 left of centerline, up to 71 AGL/140 MSL. Vehicle on road 99 from DER, 291 right of centerline, 15 AGL/83 MSL. Multiple trees beginning 873 from DER, 514 right of centerline, up to 59 AGL/130 MSL. Multiple transmission poles beginning 1304 from DER, 131 right of centerline, up to 41 AGL/110 MSL.

LA PORTE MUN

- RWY 5:
TREES BEGINNING 334 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67 AGL/91 MSL. POLES BEGINNING 973 FROM DER, 387 LEFT OF CENTERLINE, UP TO 40 AGL/64 MSL. BUILDINGS BEGINNING 319 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 AGL/54MSL. STACK 2.3 NM FROM DER, 3296 LEFT OF CENTERLINE, 300 AGL/334 MSL.
- RWY 12:
POLES BEGINNING 127 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 54 AGL/74 MSL. TREES BEGINNING 183 FROM DER, 446 RIGHT OF CENTERLINE, UP TO 40 AGL/60 MSL. BUILDING 675 FROM DER, 411 RIGHT OF CENTERLINE, UP TO 32 AGL/55 MSL. TREES BEGINNING 888 FROM DER, 113 RIGHT OF CENTERLINE, UP TO 43 AGL/63 MSL.
- RWY 23:
BUILDINGS BEGINNING 30 FROM DER, 242 LEFT OF CENTERLINE, UP TO 30 AGL/54 MSL. BUILDINGS BEGINNING 231 FROM DER, 134 RIGHT OF CENTERLINE, UP TO 30 AGL/54 MSL. TREES BEGINNING 243 FROM DER, 494 RIGHT OF CENTERLINE, UP TO 67 AGL/91 MSL. POLES BEGINNING 363 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 40 AGL/64 MSL. VEHICLE ON ROAD BEGINNING 493 FROM DER, 562 LEFT OF CENTERLINE, UP TO 15 AGL/39 MSL. TREES BEGINNING 573 FROM DER, 292 LEFT OF CENTERLINE, UP TO 67 AGL/91 MSL. TREES BEGINNING 1123 FROM DER, 69 RIGHT OF CENTERLINE, UP TO 67 AGL/91 MSL.
- RWY 30:
TREES BEGINNING 44 FROM DER, 331 RIGHT OF CENTERLINE, UP TO 51 AGL/71 MSL. POLE 114 FROM DER, 500 LEFT OF CENTERLINE, 37 AGL/60 MSL. BUILDINGS BEGINNING 334 FROM DER, 355 LEFT OF CENTERLINE, UP TO 25 AGL/50 MSL. TREES BEGINNING 367 FROM DER, 471 LEFT OF CENTERLINE, UP TO 37 AGL/57 MSL. BUILDING 669 FROM DER, 415 RIGHT OF CENTERLINE, 30 AGL/55 MSL. POLES BEGINNING 768 FROM DER, 427 RIGHT OF CENTERLINE, UP TO 50 AGL/74 MSL. TREES BEGINNING 1048 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67 AGL/87 MSL.

TAKE-OFF OBSTACLE NOTES - DEPs (CONTD 2)

LIBERTY MUN

- RWY 16:
HANGARS BEGINNING 4 FROM DER, 340 RIGHT OF CENTERLINE, UP TO 21 AGL/91 MSL. TREE 273 FROM DER, 401 RIGHT OF CENTERLINE, 28 AGL/96 MSL. TREES BEGINNING 1067 FROM DER, 122 LEFT OF CENTERLINE, UP TO 76 AGL/146 MSL. TREES AND POLES BEGINNING 1166 FROM DER, 48 RIGHT OF CENTERLINE, UP TO 85 AGL/155 MSL.
- RWY 34:
TREES BEGINNING 176 FROM DER, 262 LEFT OF CENTERLINE, UP TO 52 AGL/117 MSL. POLES BEGINNING 427 FROM DER, 318 RIGHT OF CENTERLINE, UP TO 40 AGL/105 MSL. POLES BEGINNING 451 FROM DER, 236 LEFT OF CENTERLINE, UP TO 39 AGL/106 MSL. TREES BEGINNING 758 FROM DER, 101 RIGHT OF CENTERLINE, UP TO 101 AGL/166 MSL. TREES BEGINNING 1953 FROM DER, 40 LEFT OF CENTERLINE, UP TO 96 AGL/161 MSL.

PEARLAND REGL

- RWY 14:
VEHICLES ON ROAD BEGINNING 11 FROM DER, 450 RIGHT OF CENTERLINE, UP TO 15 AGL/54 MSL. HANGARS 99 FROM DER, 521 LEFT OF CENTERLINE, UP TO 13 AGL/53 MSL. TREES BEGINNING 102 FROM DER, 328 LEFT OF CENTERLINE, UP TO 27 AGL/71 MSL. TREES BEGINNING 199 FROM DER, 307 RIGHT OF CENTERLINE, UP TO 64 AGL/98 MSL. VEHICLES ON ROAD BEGINNING 364 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 AGL/59 MSL. TREES BEGINNING 618 FROM DER, 331 LEFT OF CENTERLINE, UP TO 32 AGL/71 MSL. TREES BEGINNING 983 FROM DER, 94 RIGHT OF CENTERLINE, UP TO 20 AGL/90 MSL. TREES BEGINNING 1251 FROM DER, 72 LEFT OF CENTERLINE, UP TO 60 AGL/94 MSL.
- RWY 32:
MULTIPLE TREES BEGINNING 30 FROM DER, 142 RIGHT OF CENTERLINE, UP TO 59 AGL/100 MSL. MULTIPLE TREES BEGINNING 41 FROM DER, 200 LEFT OF CENTERLINE, UP TO 74 AGL/118 MSL. POLE 68 FROM DER, 107 RIGHT OF CENTERLINE, 26 AGL/70 MSL. MULTIPLE BUILDINGS AND POLES BEGINNING 103 FROM DER, 235 RIGHT OF CENTERLINE, UP TO 34 AGL/78 MSL. VEHICLES ON ROAD 513 FROM DER, LEFT AND RIGHT OF CENTERLINE, 15 AGL/59 MSL. MULTIPLE POLES AND TREES BEGINNING 605 FROM DER, LEFT AND RIGHT OF CENTERLINE UP TO 84 AGL/128 MSL.

R.W.J.

- RWY 8:
TREES BEGINNING 21 FROM DER, 152 LEFT OF CENTERLINE, UP TO 100 AGL/129 MSL. VEHICLE ON ROAD BEGINNING 100 FROM DER, CROSSING CENTERLINE, UP TO 15 AGL/44 MSL. FENCE BEGINNING ABEAM DER, 115 RIGHT OF CENTERLINE, UP TO 6 AGL/35 MSL. TREES BEGINNING 133 FROM DER, 333 RIGHT OF CENTERLINE, UP TO 100 AGL/129 MSL. BUILDINGS BEGINNING 266 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30 AGL/59 MSL. POWER LINES BEGINNING 356 FROM DER, 460 LEFT OF CENTERLINE, UP TO 32 AGL/61 MSL. POLE 663 FROM DER, 188 RIGHT OF CENTERLINE, 100 AGL/129 MSL.
- RWY 26:
BUILDINGS BEGINNING 47 FROM DER, 118 RIGHT OF CENTERLINE, UP TO 30 AGL/64 MSL. BUILDINGS BEGINNING 187 FROM DER, 85 LEFT OF CENTERLINE, UP TO 30 AGL/64 MSL. POWER LINES BEGINNING 407 FROM DER, CROSSING CENTERLINE, UP TO 32 AGL/66 MSL. VEHICLE ON ROAD BEGINNING 448 FROM DER, CROSSING CENTERLINE, UP TO 15 AGL/49 MSL. TREES BEGINNING 619 FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 AGL/134 MSL. QUARRY EQUIPMENT 2800 FROM DER, 193 RIGHT OF CENTERLINE, UP TO 100 AGL/134 MSL.

TAKEOFF OBSTACLE NOTES - DEPs (CONTD 3)
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SCHOLES INTL AT GALVESTON

- RWY 14:
BUILDING 2614' FROM DER, 376' RIGHT OF CENTERLINE, 76' AGL/81' MSL.
- RWY 18:
BUILDINGS BEGINNING 2560' FROM DER, 284' LEFT OF CENTERLINE, UP TO 121' AGL/
178' MSL. T-L TOWER 636' FROM DER, 551' RIGHT OF CENTERLINE, 55' AGL/60' MSL.
TREES AND POLES BEGINNING 50' FROM DER, 75' RIGHT OF CENTERLINE, UP TO 60'
AGL/65' MSL.
- RWY 32:
CRANE 4434' FROM DER, 1081' LEFT OF CENTERLINE, 131' AGL/131' MSL.
- RWY 36:
BUSH 419' FROM DER, 577' LEFT OF CENTERLINE, 12' AGL/17' MSL. TREE 526' FROM
DER, 371' LEFT OF CENTERLINE, 14' AGL/19' MSL. TREES BEGINNING 713' FROM DER,
383' RIGHT OF CENTERLINE, UP TO 27' AGL/32' MSL.

SUGAR LAND REGL

- RWY 17:
MULTIPLE POLES BEGINNING 436' FROM DER, 172' RIGHT OF CENTERLINE, UP TO 44'
AGL/124' MSL. RAILROAD 110' FROM DER, 10' LEFT OF CENTERLINE, 23' AGL/104'
MSL. MULTIPLE POLES BEGINNING 135' FROM DER, 270' LEFT OF CENTERLINE, UP TO
44' AGL/111' MSL. BUILDING 1036' FROM DER, 743' RIGHT OF CENTERLINE, 26'
AGL/102' MSL.
- RWY 35:
VEHICLE AND ROAD 65' FROM DER, 2' RIGHT OF CENTERLINE, 15' AGL/96' MSL.
MULTIPLE TREES BEGINNING 37' FROM DER, 275' RIGHT OF CENTERLINE, UP TO 81'
AGL/164' MSL. DME ANTENNA 380' FROM DER, 253' RIGHT OF CENTERLINE, 24'
AGL/100' MSL. MULTIPLE TREES BEGINNING 83' FROM DER, 65' LEFT OF CENTERLINE,
UP TO 81' AGL/155' MSL.

TEXAS GULF COAST REGL

- RWY 35:
TREE 1330' FROM DER, 797' LEFT OF CENTERLINE, 71' MSL. TREE 1404' FROM DER,
796' LEFT OF CENTERLINE, 73' MSL. TREES BEGINNING 1467' FROM DER, 788'
LEFT OF CENTERLINE, UP TO 75' MSL. TREE 1474' FROM DER, 670' RIGHT OF
CENTERLINE, 72' MSL. TREE 1516' FROM DER, 684' RIGHT OF CENTERLINE, 73' MSL.
TREE 1578' FROM DER, 759' RIGHT OF CENTERLINE, 74' MSL.

AREA SID

 **JEPPESEN**
19 APR 19 **90-30B6** Eff 25 AprHOUSTON METROPLEX,
TEXAS**SID****TAKEOFF OBSTACLE NOTES - DEPs (CONTD 4)****WEST HOUSTON**

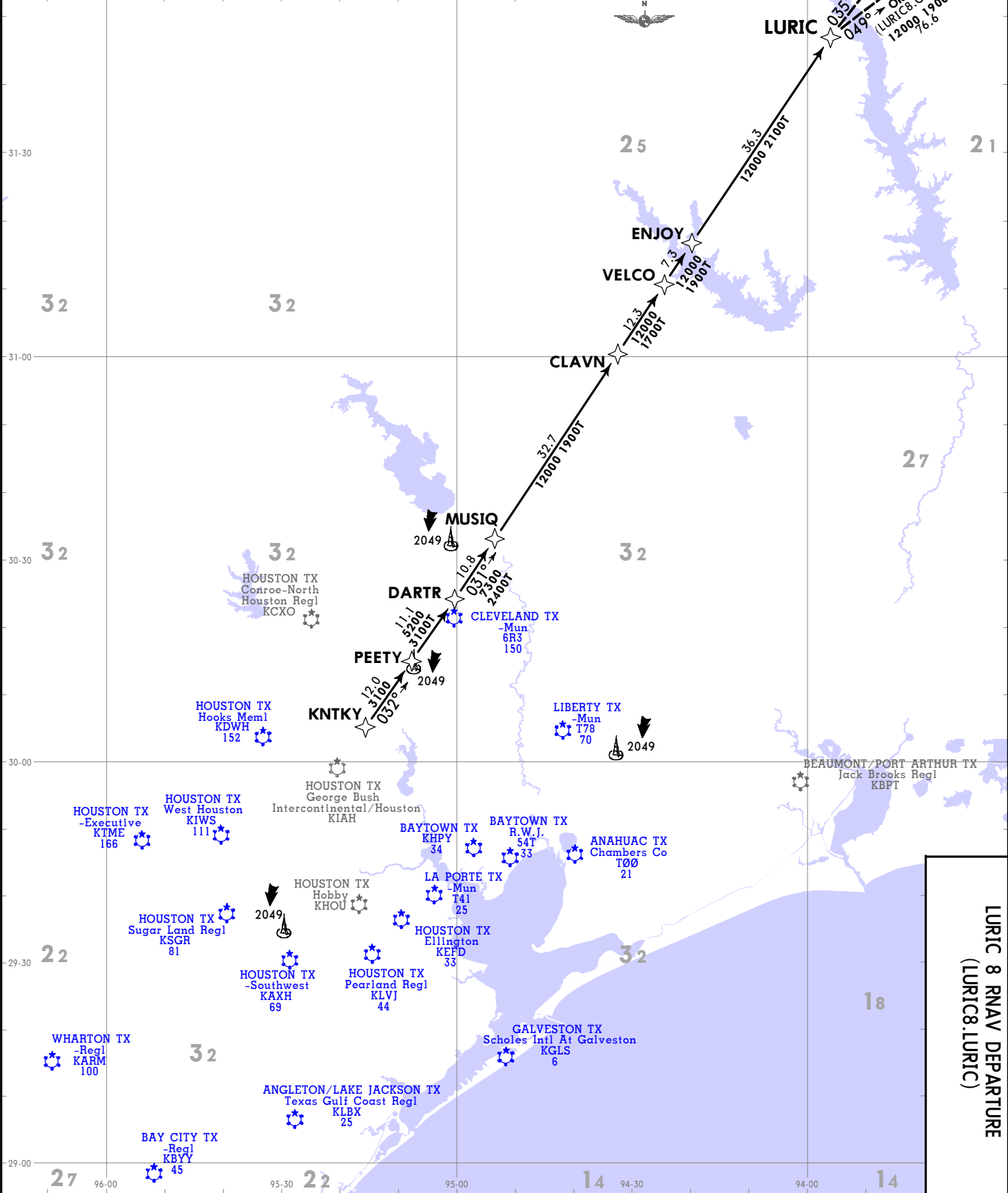
- RWY 15:
ROAD AND VEHICLE BEGINNING 74' FROM DER, 60' LEFT OF CENTERLINE, UP TO 15' AGL/123' MSL. ROAD AND VEHICLE BEGINNING 342' FROM DER, 6' RIGHT OF CENTERLINE, UP TO 15' AGL/123' MSL. BUILDING 177' FROM DER, 398' LEFT OF CENTERLINE, 18' AGL/126' MSL. LIGHT POLE 942' FROM DER, 453' RIGHT OF CENTERLINE, 39' AGL/145' MSL. TREES BEGINNING 307' FROM DER, 26' LEFT OF CENTERLINE, UP TO 58' AGL/165' MSL. TREES BEGINNING 130' FROM DER, 117' RIGHT OF CENTERLINE, UP TO 100' AGL/208' MSL.
- RWY 33:
TREES BEGINNING 168' FROM DER, 9' LEFT OF CENTERLINE, UP TO 70' AGL/179' MSL.
TREES BEGINNING 66' FROM DER, 3' RIGHT OF CENTERLINE, UP TO 75' AGL/184' MSL.

WHARTON RGNL

- RWY 32:
VEHICLE ON ROADS BEGINNING 26' FROM DER, 312' RIGHT OF CENTERLINE, UP TO 17' AGL/113' MSL. BUILDINGS BEGINNING 40' FROM DER, 338' RIGHT OF CENTERLINE, UP TO 26' AGL/125' MSL. POLES BEGINNING 140' FROM DER, 467' RIGHT OF CENTERLINE, UP TO 43' AGL/142' MSL. TREE 828' FROM DER, 509' RIGHT OF CENTERLINE, 28' AGL/127' MSL. FENCE 24' FROM DER, 288' LEFT OF CENTERLINE, 4' AGL/103' MSL. TREE 1147' FROM DER, 425' LEFT OF CENTERLINE, 41' AGL/140' MSL.

CHANGES: Procedure renumbered.

Apt Elev See Graphic	Trans alt: 18000
	RNAV 1 DME/DME/IRU or GPS required
	1. RADAR required. 2. Also serves KBYY, KHPY, T00, 6R3, KEFD, KDWH,KTME,KAXH,T41, T78, KLVJ, 54T, KGLS, KSGR,KLBX,KIWS,KARM.
LURIC 8 RNAV DEPARTURE (LURIC8.LURIC) For Procedure Text and Takeoff Minimums see 90-3P1 PROCEDURE GRAPHIC	



AREA SID

HOUSTON METROPLEX, TEXAS
 JEPPESSEN
 1 OCT 21 (90-3P) EFF 7 Oct
 RNAV SID

**LURIC 8 RNAV DEPARTURE
(LURIC8.LURIC)**

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AREA SID

LURIC 8 RNAV DEPARTURE
(LURIC8.LURIC)

For Procedure Graphic see 90-3P
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAY CITY REGL: Rwy 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
BAYTOWN: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CLEVELAND MUN: Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
HOOKS MEML: Rwys 17L, 35R: Not authorized - Environmental.
Rwys 17R, 35L: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
Waterways 17, 35: Not authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
HOUSTON-SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
LIBERTY MUN: Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
R.W.J.: Rwys 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
Rwys 14, 32: Not authorized - Environmental
SCHOLES INTL AT GALVESTON:
Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 520.
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
WHARTON REGL: Rwys 14, 32: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° to 560 for RADAR vectors to KNTKY. Rwy 31: Climb on heading 311° to 560 for RADAR vectors to KNTKY.	
BAYTOWN	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to KNTKY. Rwy 32: Climb on heading 320° to 540 for RADAR vectors to KNTKY.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to KNTKY. Rwy 30: Climb on heading 304° to 540 for RADAR vectors to KNTKY.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to KNTKY. Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to KNTKY.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to KNTKY. Rwys 17L/R: Climb on heading 174° to 540 for RADAR vectors to KNTKY. Rwy 22: Climb on heading 219° to 540 for RADAR vectors to KNTKY. Rwys 35L/R: Climb on heading 354° to 540 for RADAR vectors to KNTKY.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to KNTKY. Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to KNTKY.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to KNTKY. Rwy 36: Climb on heading 355° to 680 for RADAR vectors to KNTKY.	
HOUSTON-SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to KNTKY. Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to KNTKY.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to KNTKY. Rwy 12: Climb on heading 121° to 540 for RADAR vectors to KNTKY. Rwy 23: Climb on heading 226° to 540 for RADAR vectors to KNTKY. Rwy 30: Climb on heading 301° to 540 for RADAR vectors to KNTKY.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to KNTKY. Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to KNTKY.	Assigned by ATC
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to KNTKY. Rwy 32: Climb on heading 322° to 700 for RADAR vectors to KNTKY.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to KNTKY. Rwy 26: Climb on heading 264° to 540 for RADAR vectors to KNTKY.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to KNTKY. Rwy 18: Climb on heading 179° to 520 for RADAR vectors to KNTKY. Rwy 32: Climb on heading 318° to 520 for RADAR vectors to KNTKY. Rwy 36: Climb on heading 359° to 520 for RADAR vectors to KNTKY.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to KNTKY. Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to KNTKY.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to KNTKY. Rwy 35: Climb on heading 355° to 540 for RADAR vectors to KNTKY.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to KNTKY. Rwy 33: Climb on heading 330° to 620 for RADAR vectors to KNTKY.	
WHARTON REGL	Rwy 14: Climb on heading 148° to 600 for RADAR vectors to KNTKY. Rwy 32: Climb on heading 328° to 600 for RADAR vectors to KNTKY.	

ROUTING
 From KNTKY on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

MMALT 7 RNAV DEPARTURE
(MMALT7.MMALT)

For Procedure Graphic see 90-3Q
PROCEDURE TEXT

TAKE-OFF OBSTACLE NOTES
See TAKE-OFF OBSTACLE NOTES page (90-30B1).

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb heading 131° to 560 for RADAR vectors to MMALT. Rwy 31: Climb heading 311° to 560 for RADAR vectors to MMALT.	
BAYTOWN	Rwy 14: Climb on heading 140° to 540, for RADAR vectors to MMALT. Rwy 32: Climb on heading 320° to 540, for RADAR vectors to MMALT.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540, for RADAR vectors to MMALT. Rwy 30: Climb on heading 304° to 540, for RADAR vectors to MMALT.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400, for RADAR vectors to MMALT. Rwy 34: Climb on heading 337° to 2000, for RADAR vectors to MMALT.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540, for RADAR vectors to MMALT. Rwys 17L/R: Climb on heading 174° to 540, for RADAR vectors to MMALT. Rwy 22: Climb on heading 219° to 540, for RADAR vectors to MMALT. Rwys 35L/R: Climb on heading 354° to 540, for RADAR vectors to MMALT.	
DAVID WAYNE HOOKS MEML	Rwy 17R: Climb on heading 168° to 660, for RADAR vectors to MMALT. Rwy 35L: Climb on heading 348° to 660, for RADAR vectors to MMALT.	
HOUSTON EXEC	Rwy 18: Climb on heading 175° to 680, for RADAR vectors to MMALT. Rwy 36: Climb on heading 355° to 680, for RADAR vectors to MMALT.	
HOUSTON /SOUTHWEST	Rwy 9: Climb on heading 089° to 2000, for RADAR vectors to MMALT. Rwy 27: Climb on heading 269° to 2200, for RADAR vectors to MMALT.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540, for RADAR vectors to MMALT. Rwy 12: Climb on heading 121° to 540, for RADAR vectors to MMALT. Rwy 23: Climb on heading 226° to 540, for RADAR vectors to MMALT. Rwy 30: Climb on heading 301° to 540, for RADAR vectors to MMALT.	Assigned by ATC
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700, for RADAR vectors to MMALT. Rwy 34: Climb on heading 341° to 1000, for RADAR vectors to MMALT.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600, for RADAR vectors to MMALT. Rwy 32: Climb on heading 322° to 900, for RADAR vectors to MMALT.	
RWJ	Rwy 8: Climb on heading 084° to 540, for RADAR vectors to MMALT. Rwy 26: Climb on heading 264° to 540, for RADAR vectors to MMALT.	
SCHOLLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520, for RADAR vectors to MMALT. Rwy 18: Climb on heading 179° to 520, for RADAR vectors to MMALT. Rwy 32: Climb on heading 318° to 520, for RADAR vectors to MMALT. Rwy 36: Climb on heading 359° to 520, for RADAR vectors to MMALT.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500, for RADAR vectors to MMALT. Rwy 35: Climb on heading 350° to 1100, for RADAR vectors to MMALT.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540, for RADAR vectors to MMALT. Rwy 35: Climb on heading 355° to 540, for RADAR vectors to MMALT.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620, for RADAR vectors to MMALT. Rwy 33: Climb on heading 330° to 620, for RADAR vectors to MMALT.	
WHARTON REGL	Rwy 14: Climb heading 148° to 600 for RADAR vectors to MMALT. Rwy 32: Climb heading 328° to 600 for RADAR vectors to MMALT.	

ROUTING
From MMALT on track 086° to MOOKI, then on transition. MAINTAIN ATC assigned altitude.
EXPECT FILED altitude 10 minutes after departure.

TAKE-OFF MINIMUMS:
BAY CITY REGL: Rwys 13, 31: Standard with minimum climb of 500 FT/NM to 560.
BAYTOWN: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard with minimum climb of 500 FT/NM to 540.
Rwys 17, 35: NA - Environmental.
CLEVELAND MUN: Rwy 16: Standard with minimum climb of 500 FT/NM to 660.
Rwy 34: Standard with minimum climb of 500 FT/NM to 1000.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard with minimum climb of 500 FT/NM to 540.
DAVID WAYNE HOOKS MEML: Rwys 17L, 35R: NA - Environmental.
Rwys 17R, 35L: Standard with minimum climb of 500 FT/NM to 660.
Waterways 17, 35: NA - Air Traffic.
HOUSTON EXEC: Rwys 18, 36: Standard with minimum climb of 500 FT/NM to 680.
HOUSTON/SOUTHWEST: Rwys 9, 27: Standard with minimum climb of 500 FT/NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard with minimum climb of 500 FT/NM to 540.
LIBERTY MUN: Rwys 16, 34: Standard with minimum climb of 500 FT/NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 560.
RWJ: Rwys 8, 26: Standard with minimum climb of 500 FT/NM to 540.
Rwys 14, 32: NA - Environmental.
SCHOLLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard with minimum climb of 500 FT/NM to 520.
SUGAR LAND REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 600.
TEXAS GULF COAST REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard with minimum climb of 500 FT/NM to 620.
WHARTON REGL: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 600.

Grd speed-KT	75	100	150	200	250	300
500 FT/NM	625	833	1250	1667	2083	2500

PALACIOS 3 DEPARTURE (PSX3.PSX)

For Procedure Graphic see 90-35 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAYTOWN:
 Rwy 14: 300-1 or standard (or lower than standard, if authorized) with a minimum climb of 420 FT/NM to 300.
 Rwy 32: Standard (or lower than standard, if authorized).
CHAMBERS CO: Rwys 12, 30: Standard (or lower than standard, if authorized).
CLEVELAND MUN: Rwys 16, 34: Standard (or lower than standard, if authorized).
ELLINGTON: Rwys 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
 Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214 FT/NM to 300 or alternatively with standard (or lower than standard, if authorized) takeoff minimums and a normal 200 FT/NM climb gradient; takeoff must occur not later than 1400 prior to DER.
HOOKS MEML: Rwys 17L, 35R: Not authorized - Environmental.
 Rwys 17R, 35L: Standard (or lower than standard, if authorized).
Waterways 17, 35: Not authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard (or lower than standard, if authorized).
HOUSTON/SOUTHWEST: Rwys 9, 27: Standard (or lower than standard, if authorized).
LIBERTY MUN: Rwys 16, 34: Standard (or lower than standard, if authorized).
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized).
PEARLAND REGL: Rwys 14, 32: Standard (or lower than standard, if authorized).
R.W.J.: Rwys 8, 26: Standard (or lower than standard, if authorized).
 Rwy 14, 32: Standard (or lower than standard, if authorized).
SCHOLLES INTL AT GALVESTON:
 Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized).
SUGAR LAND REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
TEXAS GULF COAST REGL: Rwys 17, 35: Standard (or lower than standard, if authorized).
WEST HOUSTON: Rwys 15, 33: Standard (or lower than standard, if authorized).

Gnd speed-KT	75	100	150	200	250	300
200 FT/NM	250	333	500	667	833	1000
214 FT/NM	268	357	535	713	892	1070
420 FT/NM	525	700	1050	1400	1750	2100

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 34: Climb on heading 312° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
ELLINGTON	All Rwys: Climb on assigned heading for RADAR vectors to SKUBA.	
HOUSTON EXECUTIVE	Rwy 18: When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 36: Climb on heading 355° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
HOUSTON /SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 27: Climb on heading 269° to 2200 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 12: Climb on heading 121° to 500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 23: When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 30: Climb on heading 301° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	Assigned by ATC
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 34: Climb on heading 341° to 1000 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 32: Climb on heading 322° to 700 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
SCHOLLES INTL AT GALVESTON	Rwys 14, 18, 36: When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 32: Climb on heading 318° to 800 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. Rwy 35: Climb on heading 350° to 1100 before turning. When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.	
ROUTING		
MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From SKUBA on PSX R038 to PSX VOR.		
ALL OTHER AIRPORTS		
ALL RWYS	When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure. From SKUBA on PSX R038 to PSX VOR.	TOP ALTITUDE Assigned by ATC

AREA SID

STRYA 8 RNAV DEPARTURE (STRYA8.STRYA)

For Procedure Graphic see 90-3T
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAY CITY REGL: Rwy 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
BAYTOWN: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CHAMBERS CO: Rwy 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
Rwys 17, 35: Not authorized - Environmental.
CLEVELAND MUN: Rwy 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
ELLINGTON: Rwy 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
HOOKS MEML: Rwy 17L, 35R: Not authorized - Environmental.
Rwy 17R, 35L: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
Waterways 17, 35: Not authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwy 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
HOUSTON-SOUTHWEST: Rwy 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
LA PORTE MUN: Rwy 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
LIBERTY MUN: Rwy 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
PEARLAND REGL: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
R.W.J.: Rwy 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
Rwys 14, 32: Not authorized - Environmental.
SCHOLIES INTL AT GALVESTON: Rwy 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 520.
SUGAR LAND REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
TEXAS GULF COAST REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
WEST HOUSTON: Rwy 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
WHARTON REGL: Rwy 14, 32: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.

Grnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° to 560 for RADAR vectors to KNTKY.	
	Rwy 31: Climb on heading 311° to 560 for RADAR vectors to KNTKY.	
BAYTOWN	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to KNTKY.	
	Rwy 32: Climb on heading 320° to 540 for RADAR vectors to KNTKY.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to KNTKY.	
	Rwy 30: Climb on heading 304° to 540 for RADAR vectors to KNTKY.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to KNTKY.	
	Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to KNTKY.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to KNTKY.	
	Rwys 17L/R: Climb on heading 174° to 540 for RADAR vectors to KNTKY.	
	Rwy 22: Climb on heading 219° to 540 for RADAR vectors to KNTKY.	
	Rwys 35L/R: Climb on heading 354° to 540 for RADAR vectors to KNTKY.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to KNTKY.	
	Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to KNTKY.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to KNTKY.	
	Rwy 36: Climb on heading 355° to 680 for RADAR vectors to KNTKY.	
HOUSTON-SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to KNTKY.	
	Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to KNTKY.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to KNTKY.	
	Rwy 12: Climb on heading 121° to 540 for RADAR vectors to KNTKY.	
	Rwy 23: Climb on heading 226° to 540 for RADAR vectors to KNTKY.	
	Rwy 30: Climb on heading 301° to 540 for RADAR vectors to KNTKY.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to KNTKY.	
	Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to KNTKY.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to KNTKY.	
	Rwy 32: Climb on heading 322° to 700 for RADAR vectors to KNTKY.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to KNTKY.	
	Rwy 26: Climb on heading 264° to 540 for RADAR vectors to KNTKY.	
SCHOLIES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to KNTKY.	
	Rwy 18: Climb on heading 179° to 520 for RADAR vectors to KNTKY.	
	Rwy 32: Climb on heading 318° to 520 for RADAR vectors to KNTKY.	
	Rwy 36: Climb on heading 359° to 520 for RADAR vectors to KNTKY.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to KNTKY.	
	Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to KNTKY.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to KNTKY.	
	Rwy 35: Climb on heading 355° to 540 for RADAR vectors to KNTKY.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to KNTKY.	
	Rwy 33: Climb on heading 330° to 620 for RADAR vectors to KNTKY.	
WHARTON REGL	Rwy 14: Climb on heading 148° to 600 for RADAR vectors to KNTKY.	
	Rwy 32: Climb on heading 328° to 600 for RADAR vectors to KNTKY.	

Assigned by ATC

ROUTING

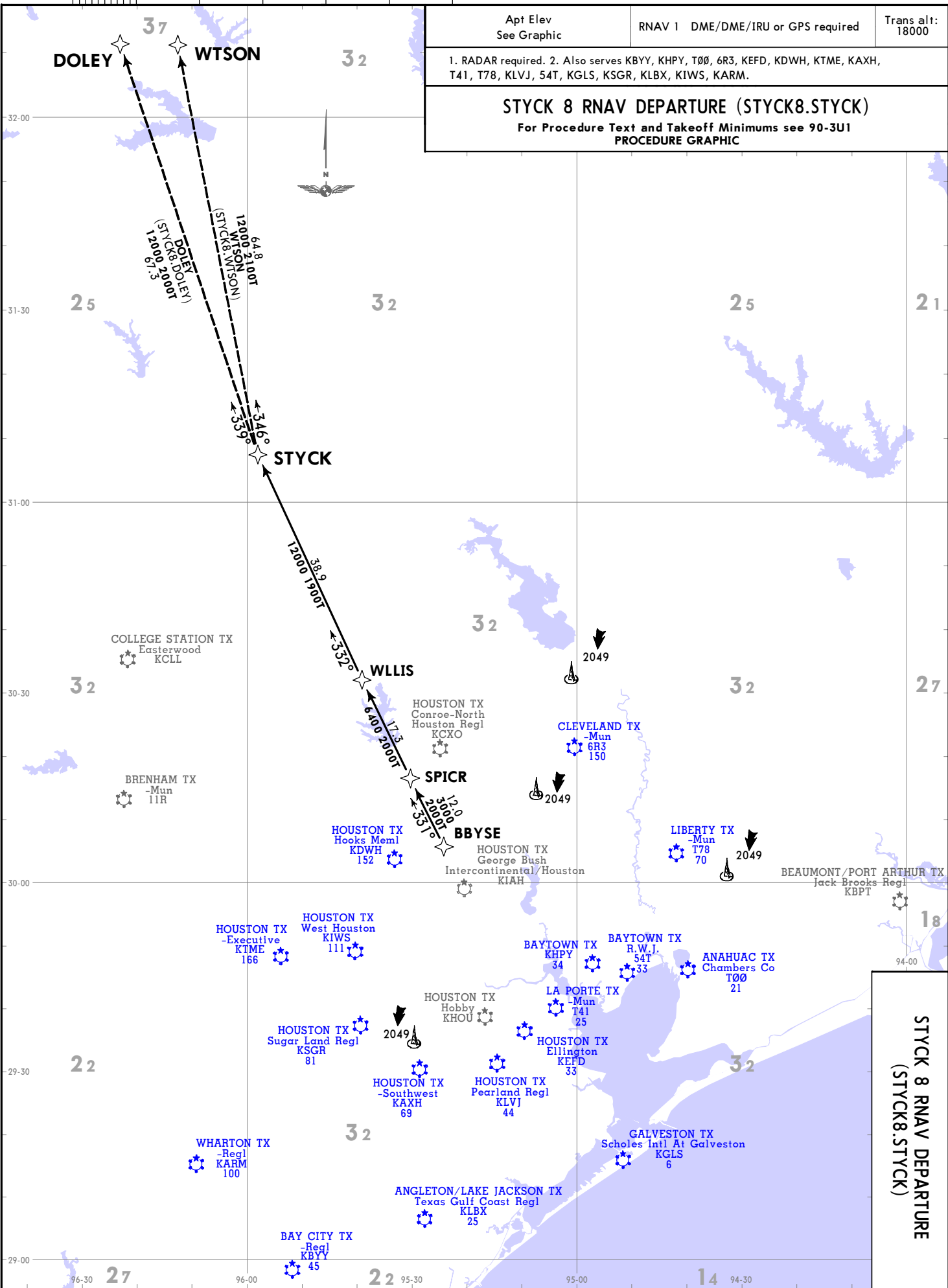
From KNTKY on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

CHANGES: Initial climb, procedure renumbered.

CHANGES: Procedure renumbered.

AREA SID

Apt Elev See Graphic	RNAV 1 DME/DME/IRU or GPS required	Trans alt: 18000
1. RADAR required. 2. Also serves KBYY, KHPY, T00, 6R3, KEFD, KDWH, KTME, KAXH, T41, T78, KLVJ, 54T, KGLS, KSGR, KLBX, KIWS, KARM.		
STYCK 8 RNAV DEPARTURE (STYCK8.STYCK)		
For Procedure Text and Takeoff Minimums see 90-3U1 PROCEDURE GRAPHIC		



STYCK 8 RNAV DEPARTURE
(STYCK8.STYCK)

HOUSTON METROPLEX, TEXAS
JEPPESSEN
 1 OCT 21 (90-3U) EFF 7 OCT
RNAV SID

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AREA SID

STYCK 8 RNAV DEPARTURE (STYCK8.STYCK)

For Procedure Graphic see 90-3U
PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):

- BAY CITY REGL:** Rwys 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
- BAYTOWN:** Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- CHAMBERS CO:** Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- Rwys 17, 35:** Not authorized - Environmental.
- CLEVELAND MUN:** Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
- ELLINGTON:** Rwys 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- HOOKS MEML:** Rwys 17L, 35R: Not authorized - Environmental.
- Rwys 17R, 35L:** Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
- Waterways 17, 35:** Not authorized - Air Traffic.
- HOUSTON EXECUTIVE:** Rwys 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
- HOUSTON-SOUTHWEST:** Rwys 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
- LA PORTE MUN:** Rwys 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- LIBERTY MUN:** Rwys 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
- PEARLAND REGL:** Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
- R.W.J.:** Rwys 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- Rwys 14, 32:** Not authorized - Environmental.
- SCHOLES INTL AT GALVESTON:** Rwys 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 520.
- SUGAR LAND REGL:** Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
- TEXAS GULF COAST REGL:** Rwys 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
- WEST HOUSTON:** Rwys 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
- WHARTON REGL:** Rwys 14, 32: Standard (or lower than standard, if authorized) with a minimum climb of 500 per NM to 600.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° to 560 for RADAR vectors to BBYSE. Rwy 31: Climb on heading 311° to 560 for RADAR vectors to BBYSE.	Assigned by ATC
BAYTOWN	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to BBYSE. Rwy 32: Climb on heading 320° to 540 for RADAR vectors to BBYSE.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to BBYSE. Rwy 30: Climb on heading 304° to 540 for RADAR vectors to BBYSE.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to BBYSE. Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to BBYSE.	
ELLINGTON	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to BBYSE. Rwys 17L/R: Climb on heading 174° to 540 for RADAR vectors to BBYSE. Rwy 22: Climb on heading 219° to 540 for RADAR vectors to BBYSE. Rwys 35L/R: Climb on heading 354° to 540 for RADAR vectors to BBYSE.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to BBYSE. Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to BBYSE.	
HOUSTON EXECUTIVE	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to BBYSE. Rwy 36: Climb on heading 355° to 680 for RADAR vectors to BBYSE.	
HOUSTON-SOUTHWEST	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to BBYSE. Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to BBYSE.	
LA PORTE MUN	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to BBYSE. Rwy 12: Climb on heading 121° to 540 for RADAR vectors to BBYSE. Rwy 23: Climb on heading 226° to 540 for RADAR vectors to BBYSE. Rwy 30: Climb on heading 301° to 540 for RADAR vectors to BBYSE.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to BBYSE. Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to BBYSE.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to BBYSE. Rwy 32: Climb on heading 322° to 700 for RADAR vectors to BBYSE.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to BBYSE. Rwy 26: Climb on heading 264° to 540 for RADAR vectors to BBYSE.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to BBYSE. Rwy 18: Climb on heading 179° to 520 for RADAR vectors to BBYSE. Rwy 32: Climb on heading 318° to 520 for RADAR vectors to BBYSE. Rwy 36: Climb on heading 359° to 520 for RADAR vectors to BBYSE.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to BBYSE. Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to BBYSE.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to BBYSE. Rwy 35: Climb on heading 355° to 540 for RADAR vectors to BBYSE.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to BBYSE. Rwy 33: Climb on heading 330° to 620 for RADAR vectors to BBYSE.	
WHARTON REGL	Rwy 14: Climb on heading 148° to 600 for RADAR vectors to BBYSE. Rwy 32: Climb on heading 328° to 600 for RADAR vectors to BBYSE.	

ROUTING

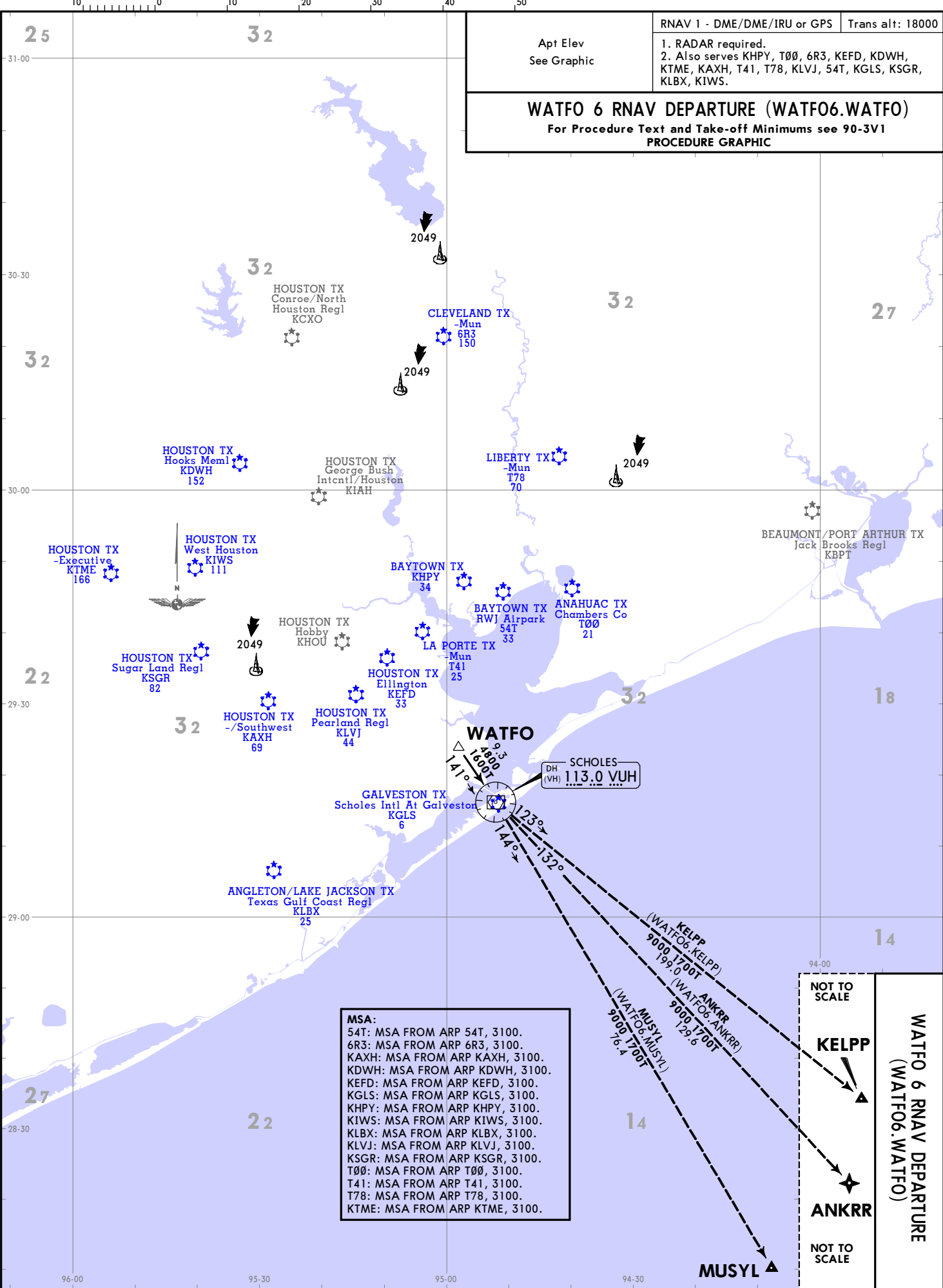
From BBYSE on track 331° to SPICR, then on track 331° to WILLIS, then on track 332° to STYCK, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

CHANGES: Initial climb, procedure renumbered.

CHANGES: Procedure renumbered, revised.

AREA SID

Apt Elev See Graphic	RNAV 1 - DME/DME/IRU or GPS	Trans alt: 18000
	1. RADAR required. 2. Also serves KHPY, T00, 6R3, KEFD, KDWH, KTME, KAXH, T41, T78, KLVJ, 54T, KGLS, KSGR, KLBX, KIWS.	
WATFO 6 RNAV DEPARTURE (WATFO6.WATFO)		
For Procedure Text and Take-off Minimums see 90-3V1 PROCEDURE GRAPHIC		



MSA:
 54T: MSA FROM ARP 54T, 3100.
 6R3: MSA FROM ARP 6R3, 3100.
 KAXH: MSA FROM ARP KAXH, 3100.
 KDWH: MSA FROM ARP KDWH, 3100.
 KEFD: MSA FROM ARP KEFD, 3100.
 KGLS: MSA FROM ARP KGLS, 3100.
 KHPY: MSA FROM ARP KHPY, 3100.
 KIWS: MSA FROM ARP KIWS, 3100.
 KLBX: MSA FROM ARP KLBX, 3100.
 KLVJ: MSA FROM ARP KLVJ, 3100.
 KSGR: MSA FROM ARP KSGR, 3100.
 T00: MSA FROM ARP T00, 3100.
 T41: MSA FROM ARP T41, 3100.
 T78: MSA FROM ARP T78, 3100.
 KTME: MSA FROM ARP KTME, 3100.

WATFO 6 RNAV DEPARTURE
(WATFO6.WATFO)

NOT TO SCALE

KELPP

NOT TO SCALE

ANKRR

NOT TO SCALE

MUSYL

HOUSTON METROPLEX, TEXAS
 JEPPesen
 4 AUG 23 (90-3V1) EFF 10 AUG
 RNAV SID

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WATFO 6 RNAV DEPARTURE
(WATFO6.WATFO)
For Procedure Graphic see 90-3V
PROCEDURE TEXT

TAKE-OFF OBSTACLE NOTES
See TAKE-OFF OBSTACLE NOTES page (90-30B1).

TAKE-OFF MINIMUMS:
BAYTOWN: Rwy 14, 32: Standard with minimum climb of 500 FT/NM to 540.
CHAMBERS CO: Rwys 12, 30: Standard with minimum climb of 500 FT/NM to 540.
 Rwys 17, 35: NA - Environmental.
CLEVELAND MUN: Rwy 16: Standard with minimum climb of 500 FT/NM to 660.
 Rwy 34: Standard with minimum climb of 500 FT/NM to 1000.
ELLINGTON: Rwys 4, 17L/R, 22, 35L/R: Standard with minimum climb of 500 FT/NM to 540.
DAVID WAYNE HOOKS MEML: Rwys 17L, 35R: NA - Environmental.
 Rwy 17R, 35L: Standard with minimum climb of 500 FT/NM to 660.
HOUSTON EXECUTIVE: Rwys 18, 36: Standard with minimum climb of 500 FT/NM to 680.
HOUSTON/SOUTHWEST: Rwys 9, 27: Standard with minimum climb of 500 FT/NM to 580.
LA PORTE MUN: Rwys 5, 12, 23, 30: Standard with minimum climb of 500 FT/NM to 540.
LIBERTY MUN: Rwys 16, 34: Standard with minimum climb of 500 FT/NM to 580.
PEARLAND REGL: Rwys 14, 32: Standard with minimum climb of 500 FT/NM to 560.
RWJ: Rwys 8, 26: Standard with minimum climb of 500 FT/NM to 540.
Rwys 14, 32: NA - Environmental.
SCHOLES INTL AT GALVESTON: Rwys 14, 18, 32, 36: Standard with minimum climb of 500 FT/NM to 520.
SUGAR LAND REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 600.
TEXAS GULF COAST REGL: Rwys 17, 35: Standard with minimum climb of 500 FT/NM to 540.
WEST HOUSTON: Rwys 15, 33: Standard with minimum climb of 500 FT/NM to 620.

Gnd speed-KT	75	100	150	200	250	300
500 FT/NM	625	833	1250	1667	2083	2500

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAYTOWN	Rwy 14: Climb on heading 140° to 540, for RADAR vectors to WATFO.	
	Rwy 32: Climb on heading 320° to 540, for RADAR vectors to WATFO.	
CHAMBERS CO	Rwy 12: Climb on heading 124° to 540, for RADAR vectors to WATFO.	
	Rwy 30: Climb on heading 304° to 540, for RADAR vectors to WATFO.	
CLEVELAND MUN	Rwy 16: Climb on heading 157° to 1400, for RADAR vectors to WATFO.	
	Rwy 34: Climb on heading 337° to 2000, for RADAR vectors to WATFO.	
	Rwy 4: Climb on heading 039° to 540, for RADAR vectors to WATFO.	
	Rwys 17L/R: Climb on heading 174° to 540, for RADAR vectors to WATFO.	
ELLINGTON	Rwy 22: Climb on heading 219° to 540, for RADAR vectors to WATFO.	
	Rwys 35L/R: Climb on heading 354° to 540, for RADAR vectors to WATFO.	
	Rwy 17R: Climb on heading 168° to 660, for RADAR vectors to WATFO.	
DAVID WAYNE HOOKS MEML	Rwy 35L: Climb on heading 348° to 660, for RADAR vectors to WATFO.	
	Rwy 18: Climb on heading 176° to 680, for RADAR vectors to WATFO.	
HOUSTON EXECUTIVE	Rwy 36: Climb on heading 355° to 680, for RADAR vectors to WATFO.	
	Rwy 9: Climb on heading 089° to 2000, for RADAR vectors to WATFO.	
HOUSTON /SOUTHWEST	Rwy 27: Climb on heading 269° to 2200, for RADAR vectors to WATFO.	
	Rwy 5: Climb on heading 046° to 540, for RADAR vectors to WATFO.	
LA PORTE MUN	Rwy 12: Climb on heading 121° to 540, for RADAR vectors to WATFO.	
	Rwy 23: Climb on heading 226° to 540, for RADAR vectors to WATFO.	
	Rwy 30: Climb on heading 301° to 540, for RADAR vectors to WATFO.	
LIBERTY MUN	Rwy 16: Climb on heading 161° to 1700, for RADAR vectors to WATFO.	
	Rwy 34: Climb on heading 341° to 1000, for RADAR vectors to WATFO.	
PEARLAND REGL	Rwy 14: Climb on heading 142° to 1600, for RADAR vectors to WATFO.	
	Rwy 32: Climb on heading 322° to 900, for RADAR vectors to WATFO.	
RWJ	Rwy 8: Climb on heading 084° to 540, for RADAR vectors to WATFO.	
	Rwy 26: Climb on heading 264° to 540, for RADAR vectors to WATFO.	
SCHOLES INTL AT GALVESTON	Rwy 14: Climb on heading 138° to 520, for RADAR vectors to WATFO.	
	Rwy 18: Climb on heading 179° to 520, for RADAR vectors to WATFO.	
	Rwy 32: Climb on heading 318° to 520, for RADAR vectors to WATFO.	
	Rwy 36: Climb on heading 359° to 520, for RADAR vectors to WATFO.	
SUGAR LAND REGL	Rwy 17: Climb on heading 170° to 1500, for RADAR vectors to WATFO.	
	Rwy 35: Climb on heading 350° to 1100, for RADAR vectors to WATFO.	
TEXAS GULF COAST REGL	Rwy 17: Climb on heading 175° to 540, for RADAR vectors to WATFO.	
	Rwy 35: Climb on heading 355° to 540, for RADAR vectors to WATFO.	
WEST HOUSTON	Rwy 15: Climb on heading 150° to 620, for RADAR vectors to WATFO.	
	Rwy 33: Climb on heading 330° to 620, for RADAR vectors to WATFO.	

Assigned by
ATC

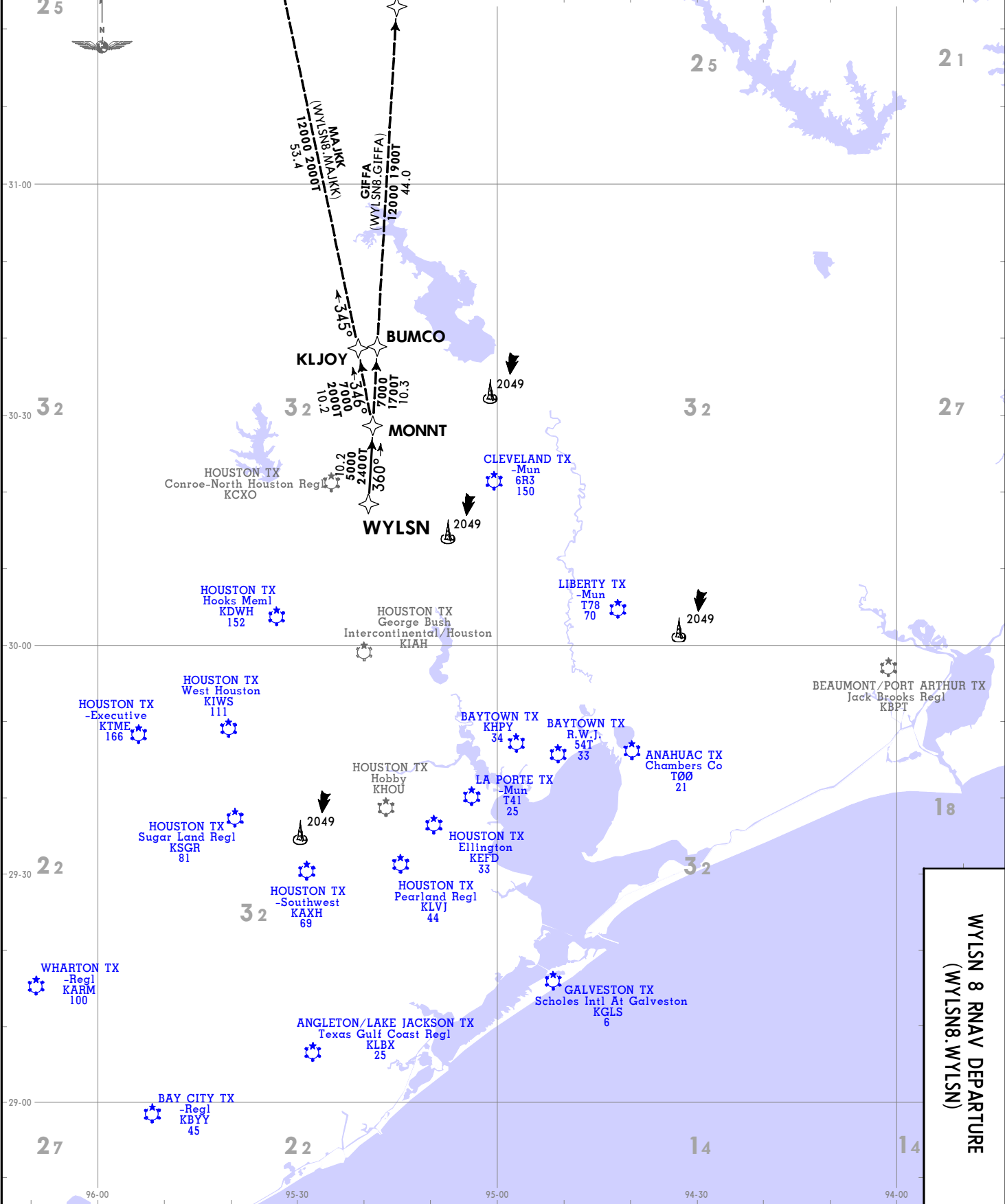
ROUTING

From WATFO on track 141° to VUH VOR, then on transition, MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

CHANGES: Procedure renumbered.

AREA SID

Apt Elev See Graphic	Trans alt: 18000 RNAV 1 DME/DME/IRU or GPS required
1. RADAR required. 2. Also serves KBYY, KHPY, T00, 6R3, KEFD, KDWH, KTME, KAXH, T41, T78, KLVJ, 54T, KGLS, KSGR, KLBX, KIWS, KARM.	
WYLSN 8 RNAV DEPARTURE (WYLSN8.WYLSN) For Procedure Text and Takeoff Minimums see 90-3W1 PROCEDURE GRAPHIC	



WYLSN 8 RNAV DEPARTURE
(WYLSN8.WYLSN)

HOUSTON METROPLEX TEXAS
 JEPPESEN
 1 OCT 21 (90-3W) EFF 7 Oct
 RNAV SID

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AREA SID

WYLSN 8 RNAV DEPARTURE
 (WYLSN8.WYLSN)

For Procedure Graphic see 90-3W
 PROCEDURE TEXT

TAKEOFF OBSTACLE NOTES
 See TAKEOFF OBSTACLE NOTES page (90-30B1).

This SID requires takeoff minimums (for standard minimums, refer to airport chart):
BAY CITY REGL: Rwy 13, 31: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
BAYTOWN: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CHAMBERS CO: Rwy 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
CLEVELAND MUN: Rwy 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
ELLINGTON: Rwy 4, 17L/R, 22, 35L/R: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
HOOKS MEML: Rwy 17L, 35R: Not authorized - Environmental.
Rwy 17R, 35L: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 660.
Waterways 17, 35: Not authorized - Air Traffic.
HOUSTON EXECUTIVE: Rwy 18, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 680.
HOUSTON-SOUTHWEST: Rwy 9, 27: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
LA PORTE MUN: Rwy 5, 12, 23, 30: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
LIBERTY MUN: Rwy 16, 34: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 580.
PEARLAND REGL: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 560.
R.W.J.: Rwy 8, 26: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
Rwy 14, 32: Not authorized - Environmental.
SCHOLES INTL AT GALVESTON: Rwy 14, 18, 32, 36: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 520.
SUGAR LAND REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.
TEXAS GULF COAST REGL: Rwy 17, 35: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 540.
WEST HOUSTON: Rwy 15, 33: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 620.
WHARTON REGL: Rwy 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500 per NM to 600.

AIRPORT	INITIAL CLIMB	TOP ALTITUDE
BAY CITY REGL	Rwy 13: Climb on heading 131° to 560 for RADAR vectors to WYLSN.	
	Rwy 31: Climb on heading 311° to 560 for RADAR vectors to WYLSN.	
	Rwy 14: Climb on heading 140° to 540 for RADAR vectors to WYLSN.	
BAYTOWN	Rwy 32: Climb on heading 320° to 540 for RADAR vectors to WYLSN.	
	Rwy 12: Climb on heading 124° to 540 for RADAR vectors to WYLSN.	
CHAMBERS CO	Rwy 30: Climb on heading 304° to 540 for RADAR vectors to WYLSN.	
	Rwy 16: Climb on heading 157° to 1400 for RADAR vectors to WYLSN.	
CLEVELAND MUN	Rwy 34: Climb on heading 312° to 2000 for RADAR vectors to WYLSN.	
	Rwy 4: Climb on heading 039° to 540 for RADAR vectors to WYLSN.	
ELLINGTON	Rwy 17L/R: Climb on heading 174° to 540 for RADAR vectors to WYLSN.	
	Rwy 22: Climb on heading 219° to 540 for RADAR vectors to WYLSN.	
	Rwy 35L/R: Climb on heading 354° to 540 for RADAR vectors to WYLSN.	
HOOKS MEML	Rwy 17R: Climb on heading 168° to 660 for RADAR vectors to WYLSN.	
HOUSTON EXECUTIVE	Rwy 35L: Climb on heading 348° to 660 for RADAR vectors to WYLSN.	
	Rwy 18: Climb on heading 175° to 680 for RADAR vectors to WYLSN.	
HOUSTON -SOUTHWEST	Rwy 36: Climb on heading 355° to 680 for RADAR vectors to WYLSN.	
	Rwy 9: Climb on heading 089° to 2000 for RADAR vectors to WYLSN.	
LA PORTE MUN	Rwy 27: Climb on heading 269° to 2200 for RADAR vectors to WYLSN.	
	Rwy 5: Climb on heading 046° to 540 for RADAR vectors to WYLSN.	
	Rwy 12: Climb on heading 121° to 540 for RADAR vectors to WYLSN.	
LIBERTY MUN	Rwy 23: Climb on heading 226° to 540 for RADAR vectors to WYLSN.	
	Rwy 30: Climb on heading 301° to 540 for RADAR vectors to WYLSN.	
	Rwy 16: Climb on heading 161° to 1700 for RADAR vectors to WYLSN.	
PEARLAND REGL	Rwy 34: Climb on heading 341° to 1000 for RADAR vectors to WYLSN.	
	Rwy 14: Climb on heading 142° to 1600 for RADAR vectors to WYLSN.	
	Rwy 32: Climb on heading 322° to 700 for RADAR vectors to WYLSN.	
R.W.J.	Rwy 8: Climb on heading 084° to 540 for RADAR vectors to WYLSN.	
SCHOLES INTL AT GALVESTON	Rwy 26: Climb on heading 264° to 540 for RADAR vectors to WYLSN.	
	Rwy 14: Climb on heading 138° to 520 for RADAR vectors to WYLSN.	
	Rwy 18: Climb on heading 179° to 520 for RADAR vectors to WYLSN.	
	Rwy 32: Climb on heading 318° to 520 for RADAR vectors to WYLSN.	
SUGAR LAND REGL	Rwy 36: Climb on heading 359° to 520 for RADAR vectors to WYLSN.	
	Rwy 17: Climb on heading 170° to 1500 for RADAR vectors to WYLSN.	
TEXAS GULF COAST REGL	Rwy 35: Climb on heading 350° to 1100 for RADAR vectors to WYLSN.	
	Rwy 17: Climb on heading 175° to 540 for RADAR vectors to WYLSN.	
WEST HOUSTON	Rwy 35: Climb on heading 355° to 540 for RADAR vectors to WYLSN.	
	Rwy 15: Climb on heading 150° to 620 for RADAR vectors to WYLSN.	
WHARTON REGL	Rwy 33: Climb on heading 330° to 620 for RADAR vectors to WYLSN.	
	Rwy 14: Climb on heading 148° to 600 for RADAR vectors to WYLSN.	

Assigned by ATC

ROUTING

From WYLSN on track 360° to MONNT, then on transition. MAINTAIN ATC assigned altitude. EXPECT filed altitude 10 minutes after departure.

Gnd speed-KT	75	100	150	200	250	300
500 per NM	625	833	1250	1667	2083	2500

Chart changes since cycle 04-2025

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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HOUSTON, TX (GEORGE BUSH INTCNTL/HOUSTON - KIAH)

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport KIAH

Type: Terminal

Effectivity: Temporary

Begin Date: 20191010

End Date: Until Further Notice

(71-2) ILS or LOC RWY 8R, (71-2A) ILS RWY 8R SA CAT I, and (71-2B) ILS RWY 8R SA CAT II - Amend number 26A.

Chart Change Notices for Country USA

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

Due to a change of the FAA's statute mile equivalent value for RVR, approach charts with a visibility of RVR 55 or 1 1/4 should be RVR 55 or 1.

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

ILS Procedures RVR 1800 Statute Mile Equivalent-U.S. FAA Airports On a number of ILS approach procedures at U.S. FAA airports, the published landing visibility value of RVR 1800 depicts a Statute Mile equivalent value of 3/8 Statute Mile. According to FAA FAR and AIM publications, the Statute Mile equivalent for RVR 1800 should be 1/2 Statute Mile Beginning with the revision dated 20 May 2016 affected U.S. ILS approach charts will be updated to depict the appropriate Statute Mile equivalent visibility of 1/2 Statute Mile.

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

MALSR & SSALR RAIL out Lighting Condition - U.S. FAA Locations The FAA has confirmed that for MALSR and SSALR approach light systems, the RAIL out, or partial system condition, is not applicable when determining landing visibilities When any component of a MALSR or SSALR approach light system is inoperative, such as RAIL out, the landing visibilities should be determined as if the entire lighting system were inoperative (ALS out). Therefore, the RAIL out visibility column should be disregarded.