KIAH (George Bush Intercontinental/H)

General Info

15 NM N of Houston TX, USA
N 29° 59.1' W 95° 20.5' Mag Var: 4.6°E
Elevation: 96'
Houston Sectional

Public, IFR, Control Tower, Rotating Beacon,
Low Level Wind Shear Alert System,
Customs available with prior permission, Jet Starting Unit available
Fuel: 100LL, Jet A
Oxygen: Low Pressure
Repairs: Major Airframe, Major Engine

Time Zone Info: Central Time GMT-6:00 uses DST

Runway Info

Runway 08L-26R 9000' x 150' concrete
Runway 08R-26L 9402' x 150' concrete
Runway 09-27 10000' x 150' asphalt
Runway 15L-33R 12001' x 150' concrete
Runway 15R-33L 10000' x 150' concrete

Runway 08L (86.9°M) TDZE 95'
  Lights: Edge, ALS, Centerline, TDZ
Runway 08R (86.9°M) TDZE 96'
  Lights: Edge, ALS, Centerline, TDZ
Runway 09 (86.9°M) TDZE 91'
  Lights: Edge, ALS, Centerline
Runway 15L (148.9°M) TDZE 95'
  Lights: Edge, Centerline
Runway 15R (148.9°M) TDZE 96'
  Lights: Edge, ALS, Centerline, TDZ
Runway 26L (266.9°M) TDZE 95'
  Lights: Edge, ALS, Centerline, TDZ
Runway 26R (266.9°M) TDZE 96'
  Lights: Edge, ALS, Centerline, TDZ
Runway 27 (266.9°M) TDZE 87'
  Lights: Edge, ALS, Centerline, TDZ
Runway 33L (328.9°M) TDZE 90'
  Lights: Edge, Centerline, TDZ
Runway 33R (328.9°M) TDZE 89'
  Lights: Edge, ALS, Centerline

Communications Info

ATIS **124.05**
Houston Tower **127.3**
Houston Tower **135.15**
Houston Tower **125.35**
Houston Tower **120.725**
Houston Ground Control **121.7**
Houston Ground Control **118.575**
Houston Ground Control **119.95** Secondary
Houston Ramp/Taxi Control **130.825**
Houston Ramp/Taxi Control **131.275**
Houston Clearance Delivery **128.1**
Houston Approach Control **124.35** (226°-315°) Initial Contact
Houston Approach Control **120.05** (46°-135°) Initial Contact
Houston Departure Control **123.8** (226°-315°)
Houston Departure Control **119.7** (316°-45°)
Houston Departure Control **133.6** (46°-135°)
Houston Unicom **122.95**
Montgomery Co Radio **122.4** RCO

Notebook Info

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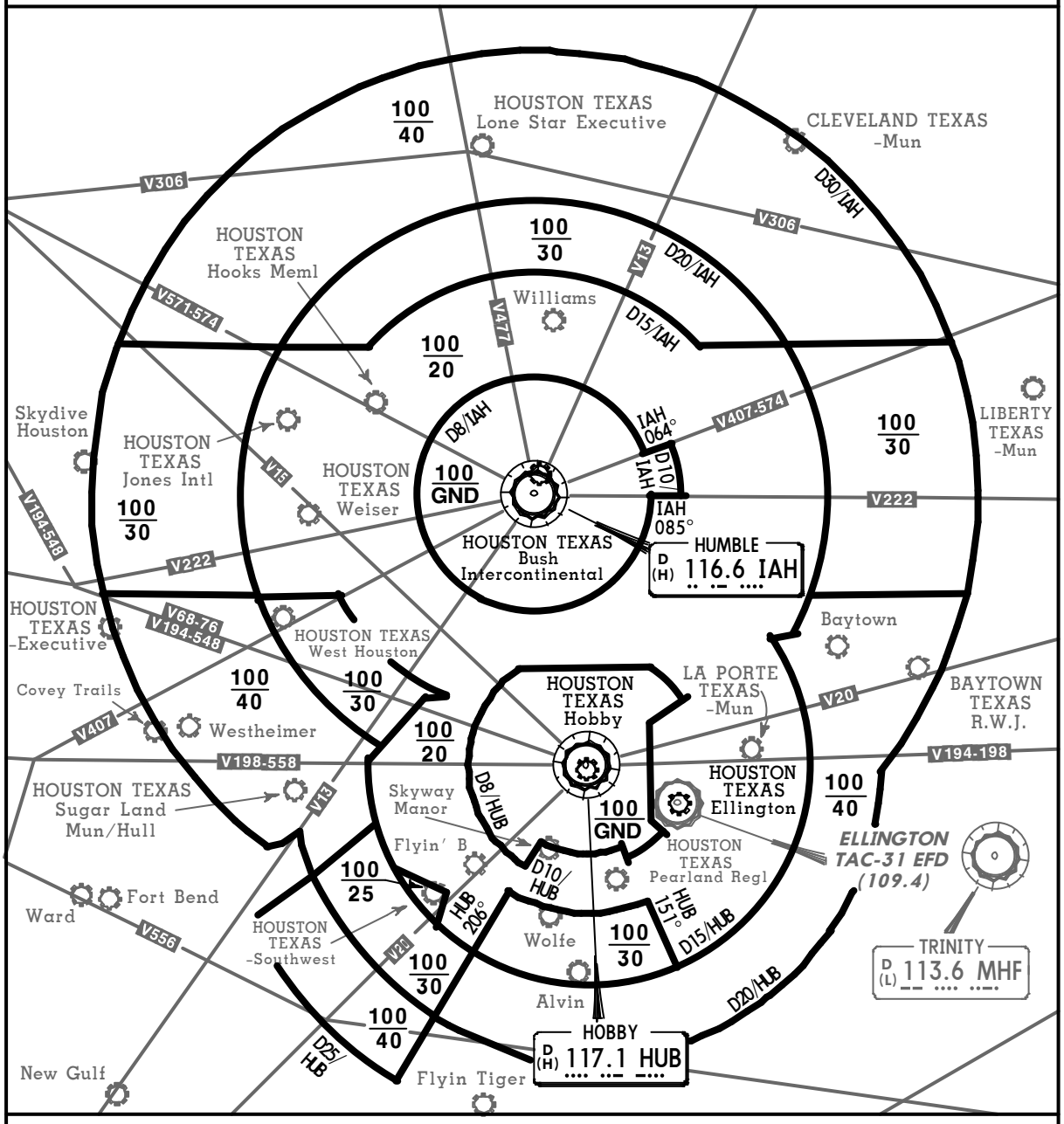
HOUSTON CLASS B AIRSPACE

CLASS B AIRSPACE VFR COMMUNICATIONS

N **Houston App** 119.7
E **Houston App** 133.6
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.

CHANGES: Reissue.

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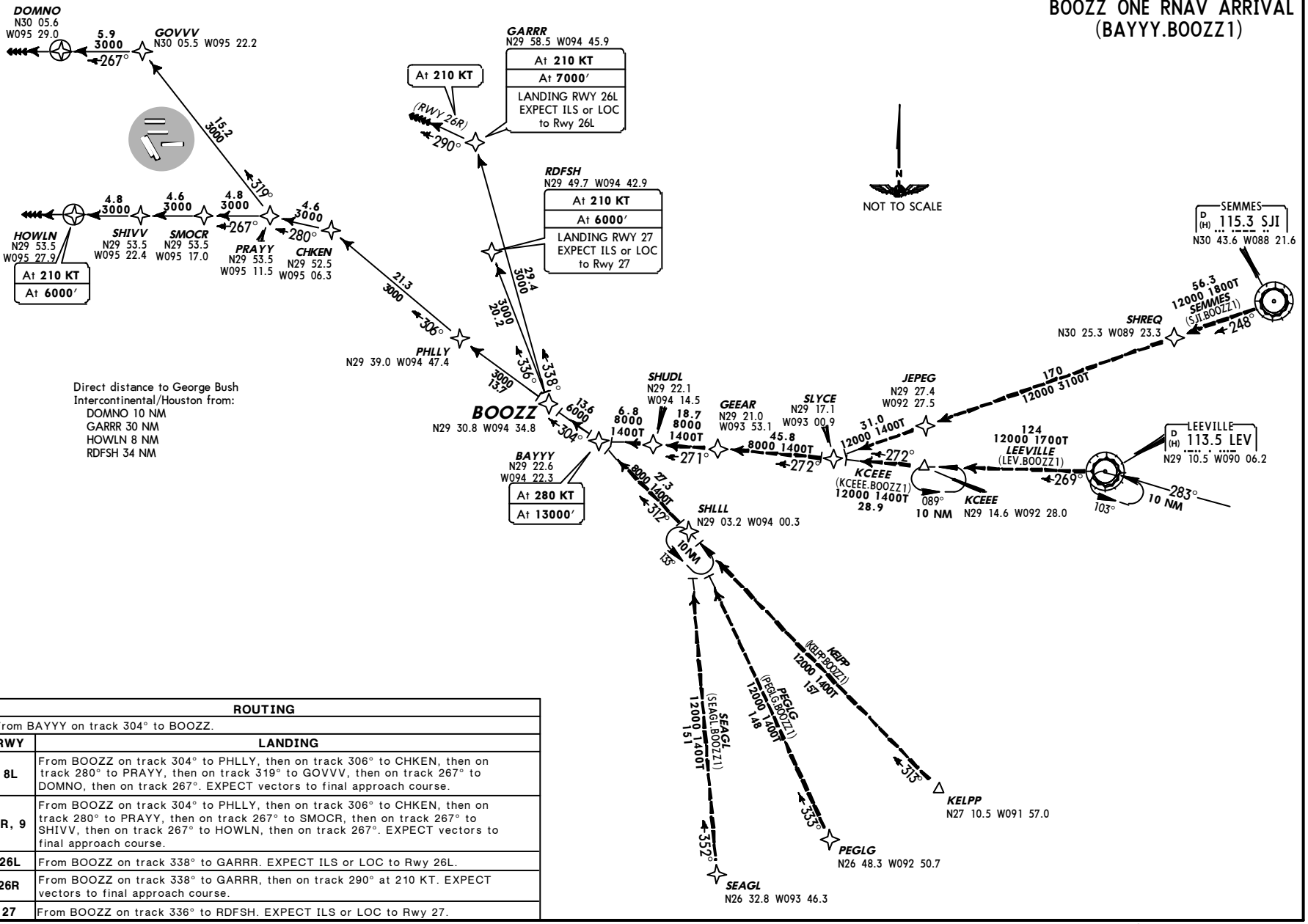
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For turbojet and turboprop aircraft capable of 280 KT or greater only.
5. ATC assigned only. Do not file.
6. EXPECT runway assignment from Houston TRACON upon initial contact.
7. GPS required for KELPP, PEGLG, and SEAGL Transitions.

BOOZZ ONE RNAV ARRIVAL
(BAYYY.BOOZZ1)



ROUTING	
From BAYYY on track 304° to BOOZZ.	
RWY	**LANDING**
8L	From BOOZZ on track 304° to PHLLY, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 319° to GOVVV, then on track 267° to DOMNO, then on track 267°. EXPECT vectors to final approach course.
8R, 9	From BOOZZ on track 304° to PHLLY, 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 HOWLN, then on track 267°. EXPECT vectors to final approach course.
26L	From BOOZZ on track 338° to GARRR. EXPECT ILS or LOC to Rwy 26L.
26R	From BOOZZ on track 338° to GARRR, then on track 290° at 210 KT. EXPECT vectors to final approach course.
27	From BOOZZ on track 336° to RDFSH. EXPECT ILS or LOC to Rwy 27.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

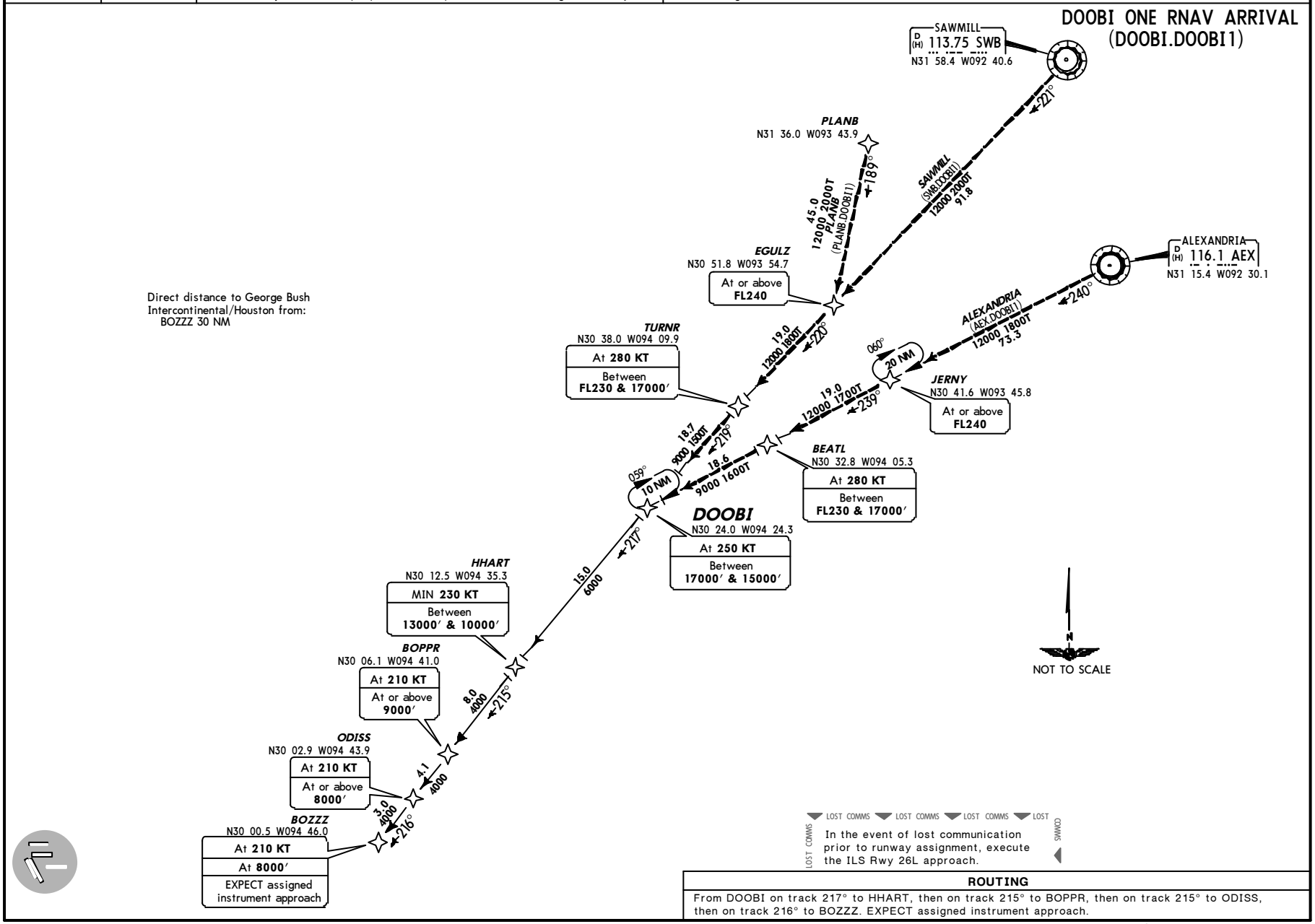
JEPPESEN 70-2A 23 MAY 14 Eff 29 May

HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 ONE RNAV ARRIVAL (DOOBI.DOOBI1)



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.

CHANGES: New procedure at this airport.

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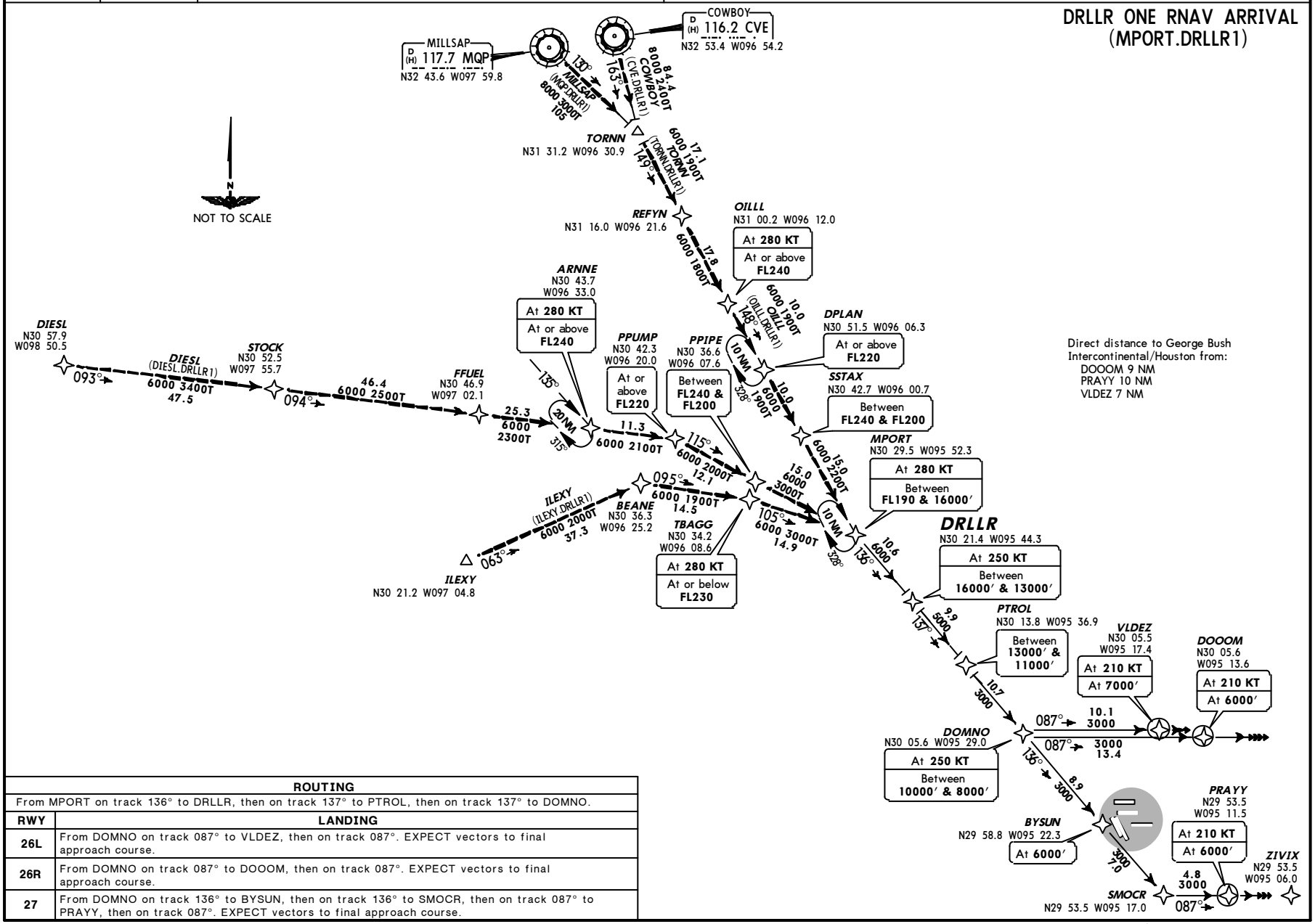
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev	
124.05	96′	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′ **1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For 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 GUSHR. EXPECT GUSHR when George Bush Intercontinental/Houston is landing EAST.

DRLLR ONE RNAV ARRIVAL (MPORT.DRLLR1)



ROUTING	
From MPORT on track 136° to DRLLR, then on track 137° to PTROL, then on track 137° to DOMNO.	
RWY	**LANDING**
26L	From DOMNO on track 087° to VLDEZ, then on track 087°. EXPECT vectors to final approach course.
26R	From DOMNO on track 087° to DOOOM, 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.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-2C

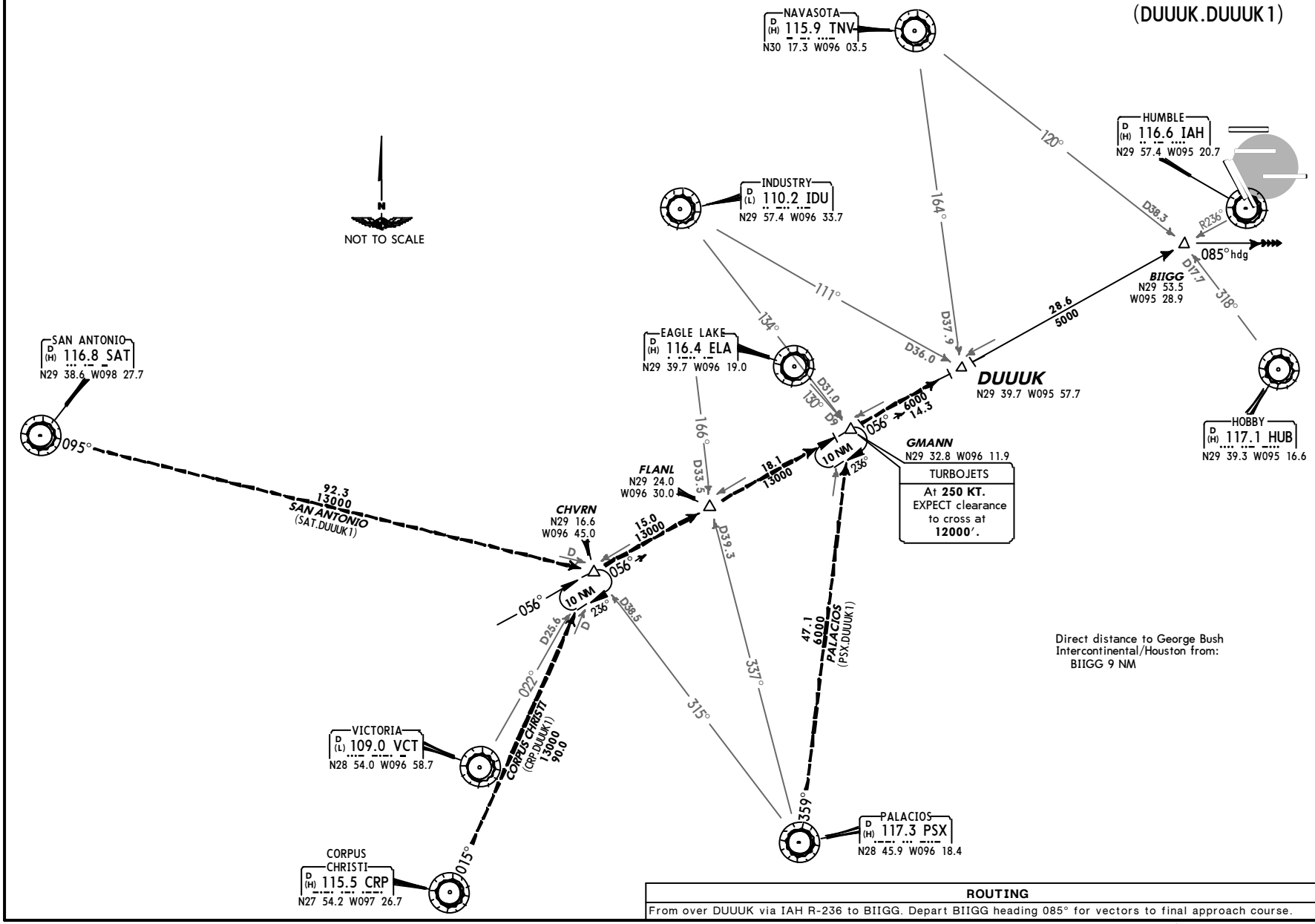
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
STAR

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
124.05	96′	

1. For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file via the HTOWN (RNAV) STAR.
2. SAN ANTONIO Transition FL240 and above only.

DUUUK ONE ARRIVAL
(DUUUK.DUUUK1)



Direct distance to George Bush Intercontinental/Houston from:
BIIGG 9 NM

ROUTING

From over DUUUK via IAH R-236 to BIIGG. Depart BIIGG heading 085° for vectors to final approach course.

CHANGES: New procedure at this airport.

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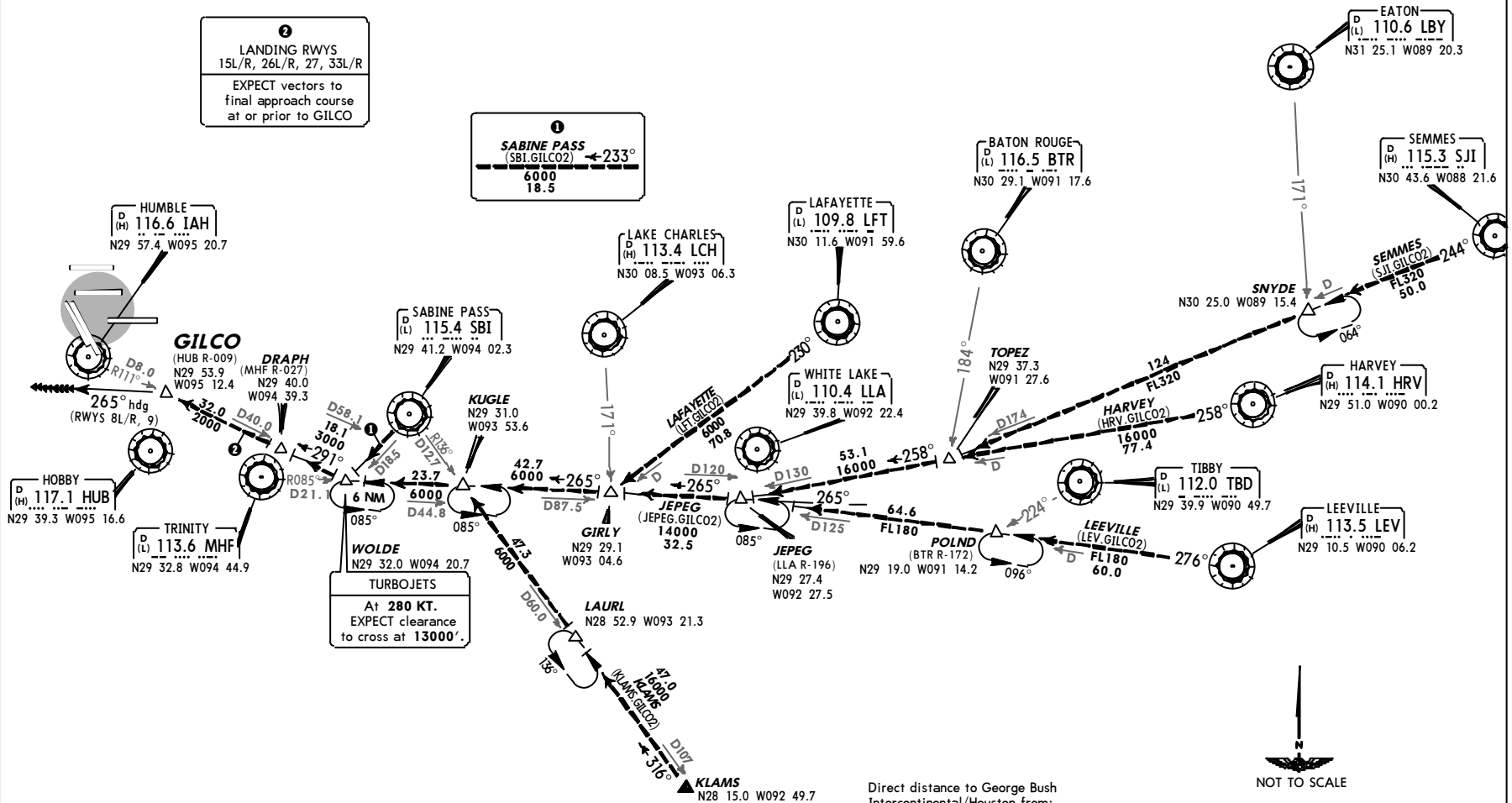
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
124.05	96′	

1. For conventional navigation aircraft only. DME/DME/IRU or GPS equipped aircraft must file via the HKORY or GILLL RNAV STAR. 2. Turbojet and turboprop aircraft only.
3. KLAMS transition: DME required.
4. SABINE PASS transition: ATC assigned only. Do not file.

GILCO TWO ARRIVAL
(WOLDE.GILCO2)



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: Procedure revised, renumbered, reindexed.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-2E 23 MAY 14 Eff 29 May

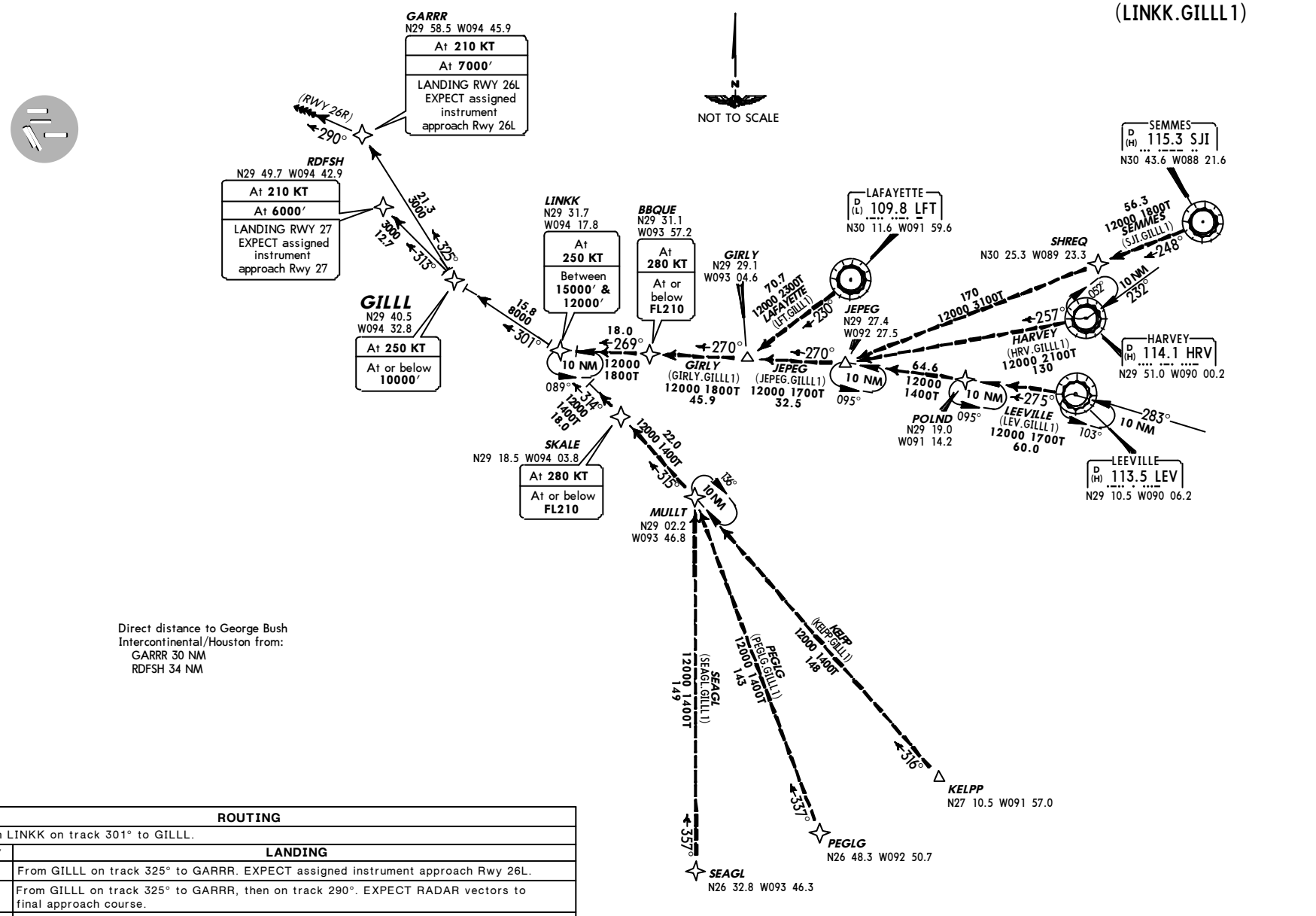
HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 HKORY. EXPECT HKORY when George Bush Intercontinental/Houston is landing EAST. 7. GPS required for KELPP, PEGLG, and SEAGL Transitions.

GILLL ONE RNAV ARRIVAL
(LINKK.GILLL1)



Direct distance to George Bush Intercontinental/Houston from:
GARRR 30 NM
RDFSH 34 NM

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

CHANGES: New procedure at this airport.

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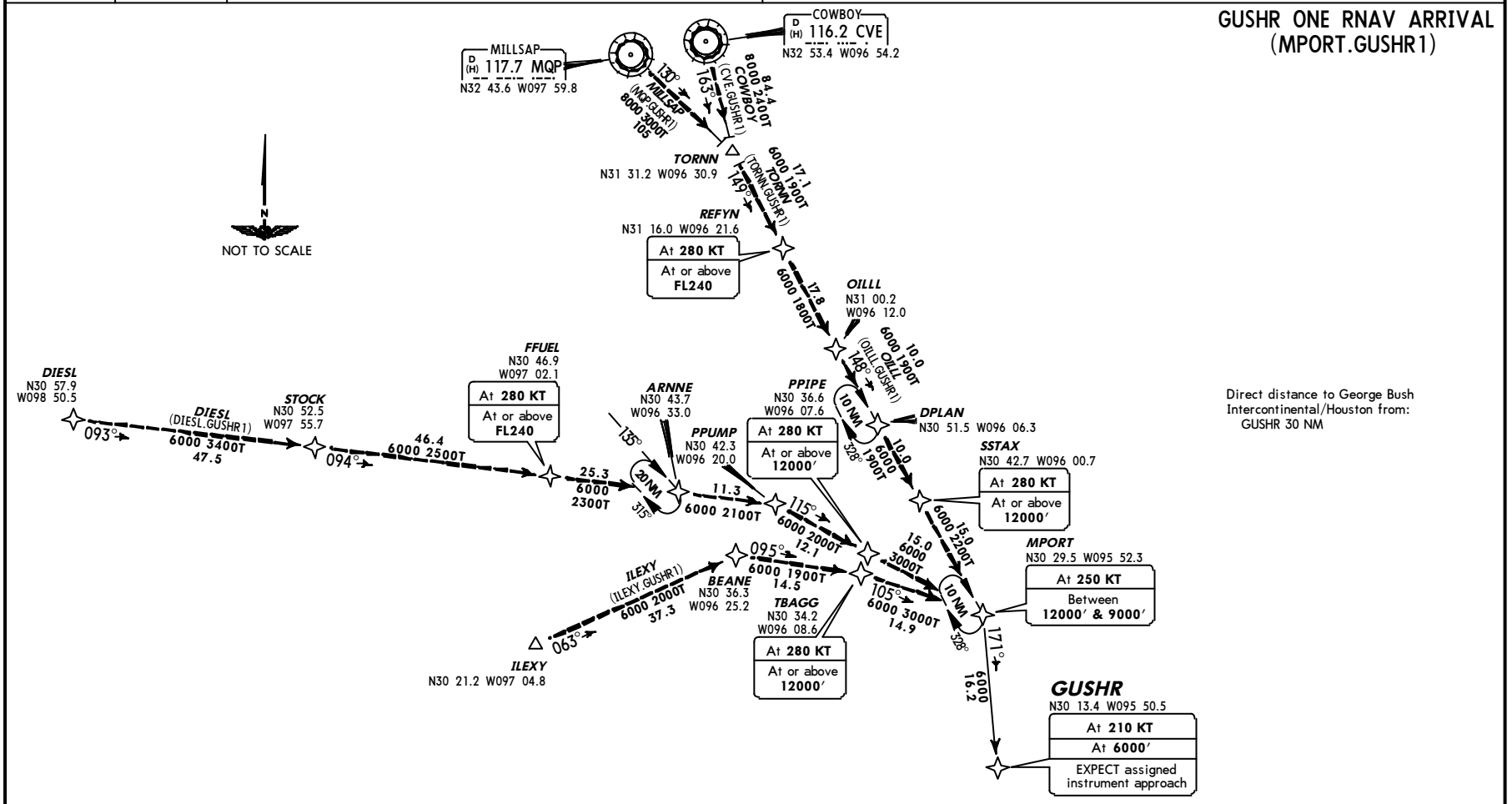
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 DRLLR. EXPECT DRLLR when George Bush Intercontinental/Houston is landing WEST.

GUSHR ONE RNAV ARRIVAL
(MPORT.GUSHR1)



ROUTING
From MPORT on track 171° to GUSHR. EXPECT assigned instrument approach.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

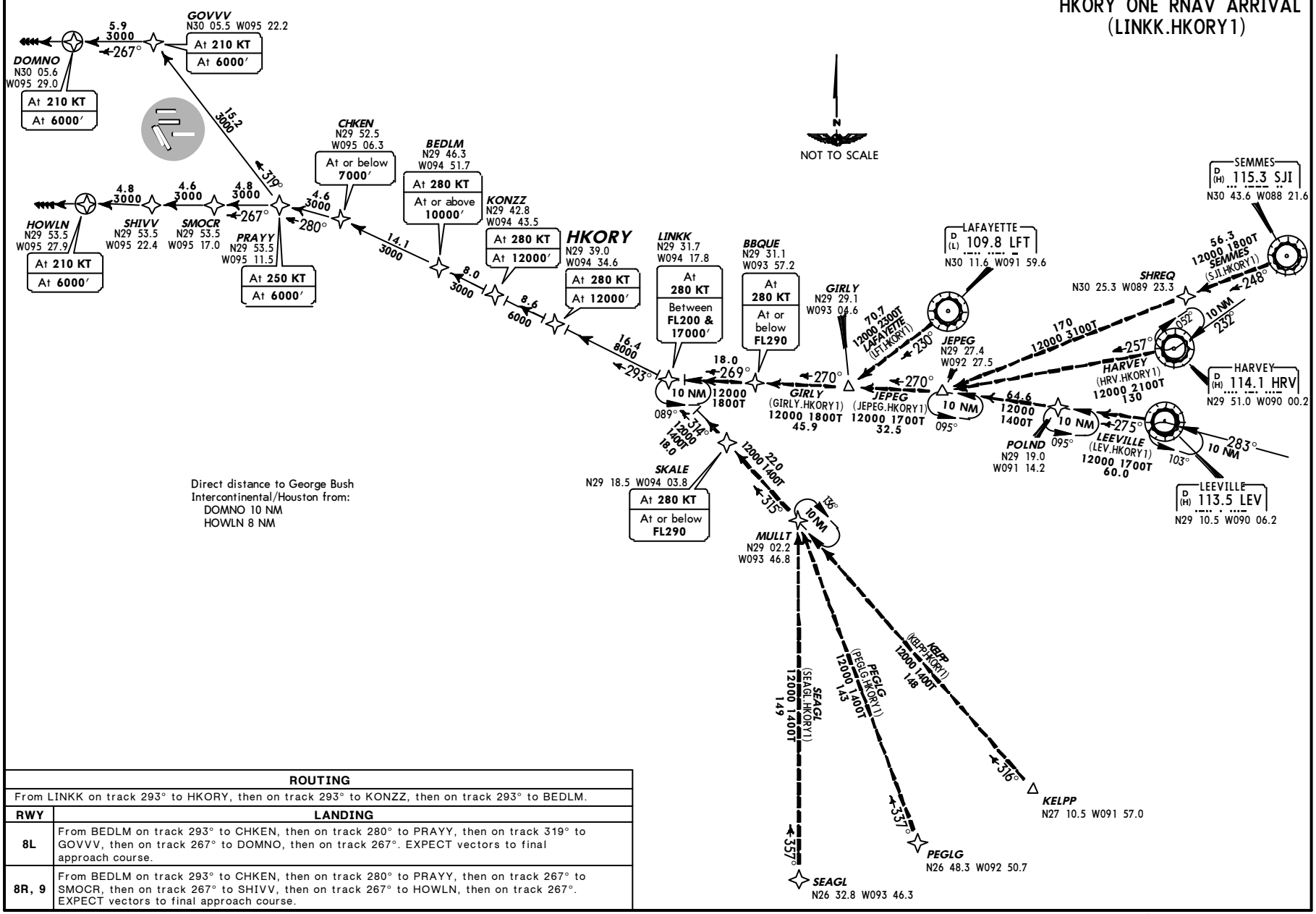
JEPPESEN 70-2G 23 MAY 14 Eff 29 May

HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 GILLL. EXPECT GILLL when George Bush Intercontinental/Houston is landing WEST. 7. GPS required for KELPP, PEGLG, and SEAGL Transitions.

HKORY ONE RNAV ARRIVAL
(LINKK.HKORY1)



Direct distance to George Bush Intercontinental/Houston from:
DOMNO 10 NM
HOWLN 8 NM

ROUTING	
From LINKK on track 293° to HKORY, then on track 293° to KONZZ, then on track 293° to BEDLM.	
RWY	**LANDING**
8L	From BEDLM on track 293° to CHKEN, then on track 280° to PRAYY, then on track 319° to GOVVV, then on track 267° to DOMNO, then on track 267°. EXPECT vectors to final approach course.
8R, 9	From BEDLM on track 293° 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 HOWLN, then on track 267°. EXPECT vectors to final approach course.

CHANGES: New procedure at this airport.

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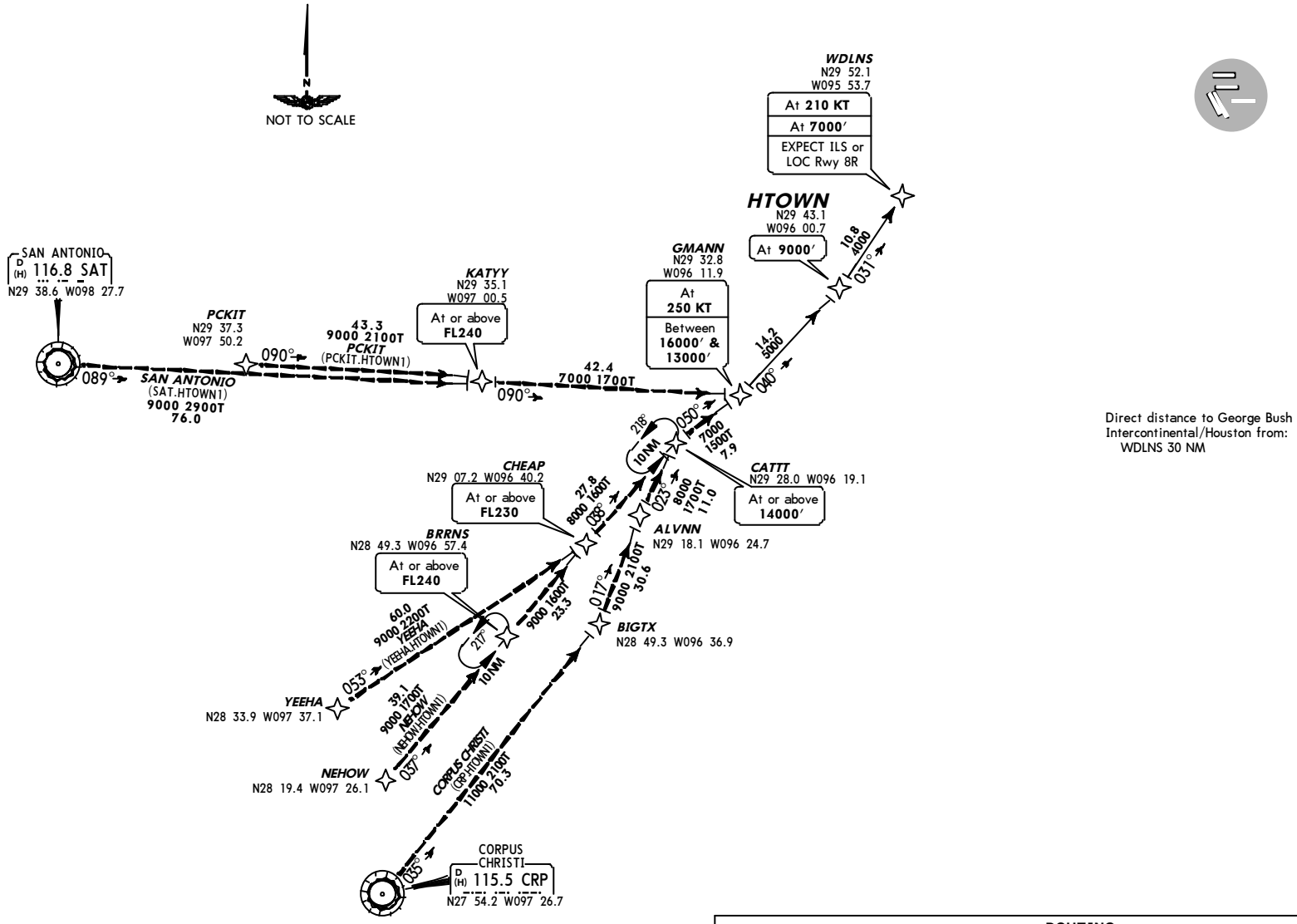
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 TEJAS. EXPECT TEJAS when George Bush Intercontinental/Houston is landing WEST.

HTOWN ONE RNAV ARRIVAL
(GMANN.HTOWN1)



Direct distance to George Bush Intercontinental/Houston from:
WDLNS 30 NM

ROUTING

From GMANN on track 040° to HTOWN, then on track 031° to WDLNS. EXPECT ILS or LOC Rwy 8R.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

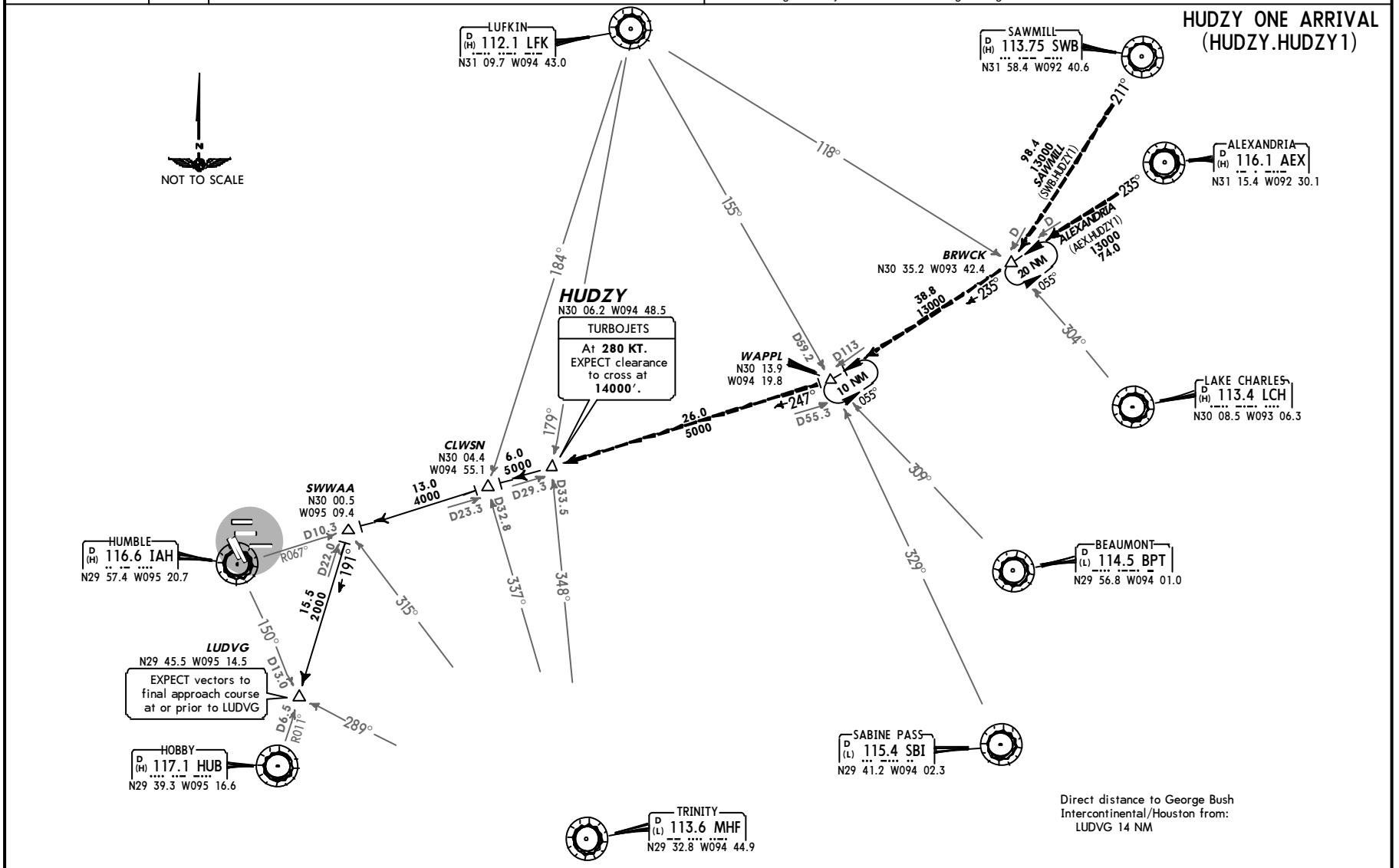
JEPPESEN 70-2J 23 MAY 14 Eff 29 May

HOUSTON, TEXAS
STAR

D-ATIS	Apt Elev	Alt Set: INCHES	Trans level: FL180	Trans alt: 18000′
124.05	96′			

1. Turbojet and turboprop aircraft only.
2. For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the WAPPL (RNAV) STAR.
3. ATC assigned only for aircraft landing George Bush Intercontinental/Houston.

HUDZY ONE ARRIVAL (HUDZY.HUDZY1)



Direct distance to George Bush Intercontinental/Houston from:
LUDVG 14 NM

ROUTING

From over HUDZY on IAH R-067 to CLWSN, on IAH R-067 to SWWAA, on HUB R-011 to LUDVG.
EXPECT vectors to final approach course at or prior to LUDVG.

CHANGES: New procedure at this airport.

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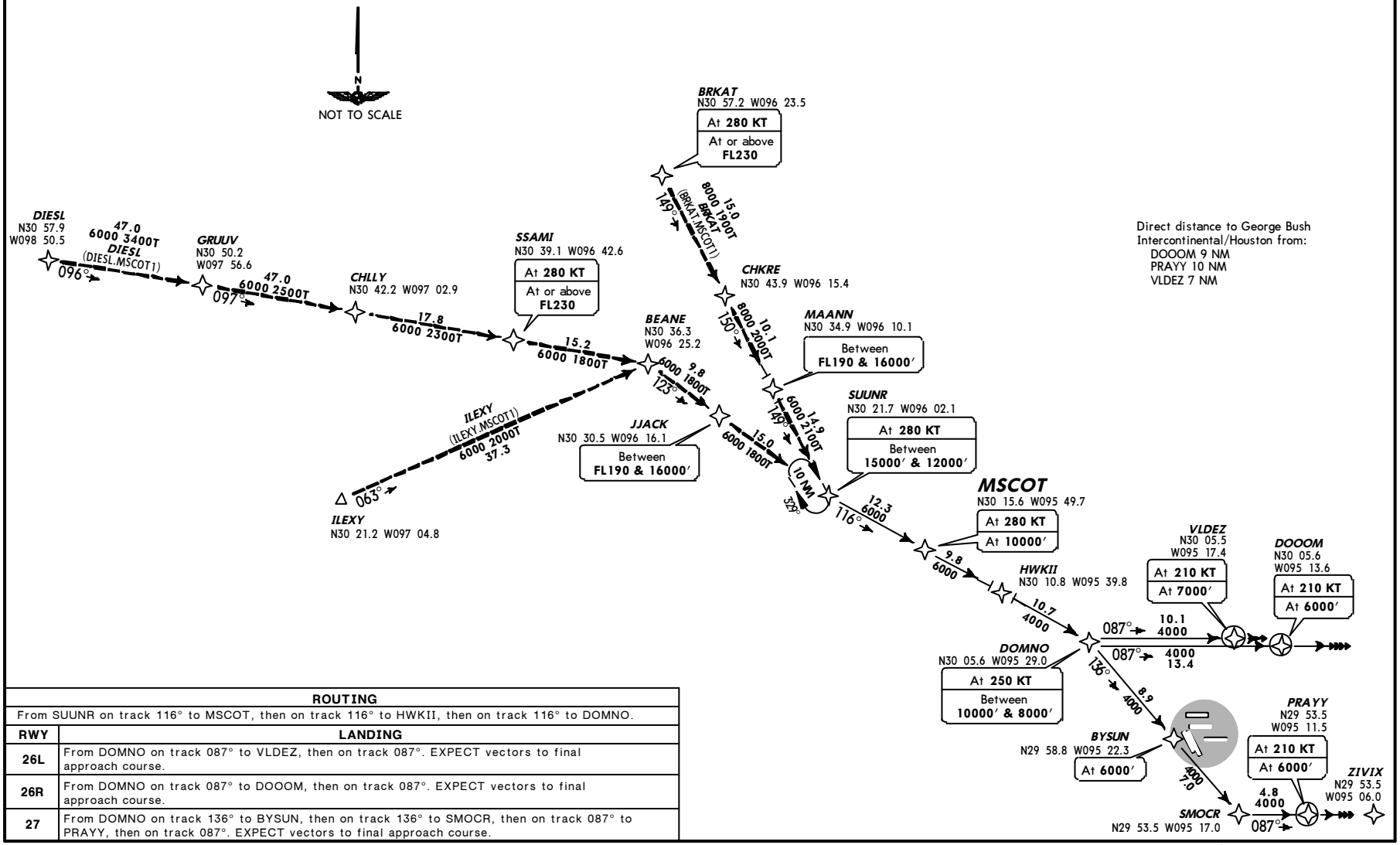
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN HOUSTON, TEXAS
23 MAY 14 (70-2K) Eff 29 May RNAV STAR

D-ATIS	Apt Elev		
124.05	96′	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′ **1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For 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 TTORO. EXPECT TTORO when George Bush Intercontinental/Houston is landing EAST. 7. BRKAT Transition ATC assigned only.

MSCOT ONE RNAV ARRIVAL
(SUUNR.MSCOT1)



ROUTING	
From SUUNR on track 116° to MSCOT, then on track 116° to HWKII, then on track 116° to DOMNO.	
RWY	**LANDING**
26L	From DOMNO on track 087° to VLDEZ, then on track 087°. EXPECT vectors to final approach course.
26R	From DOMNO on track 087° to DOOOM, 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.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-2L

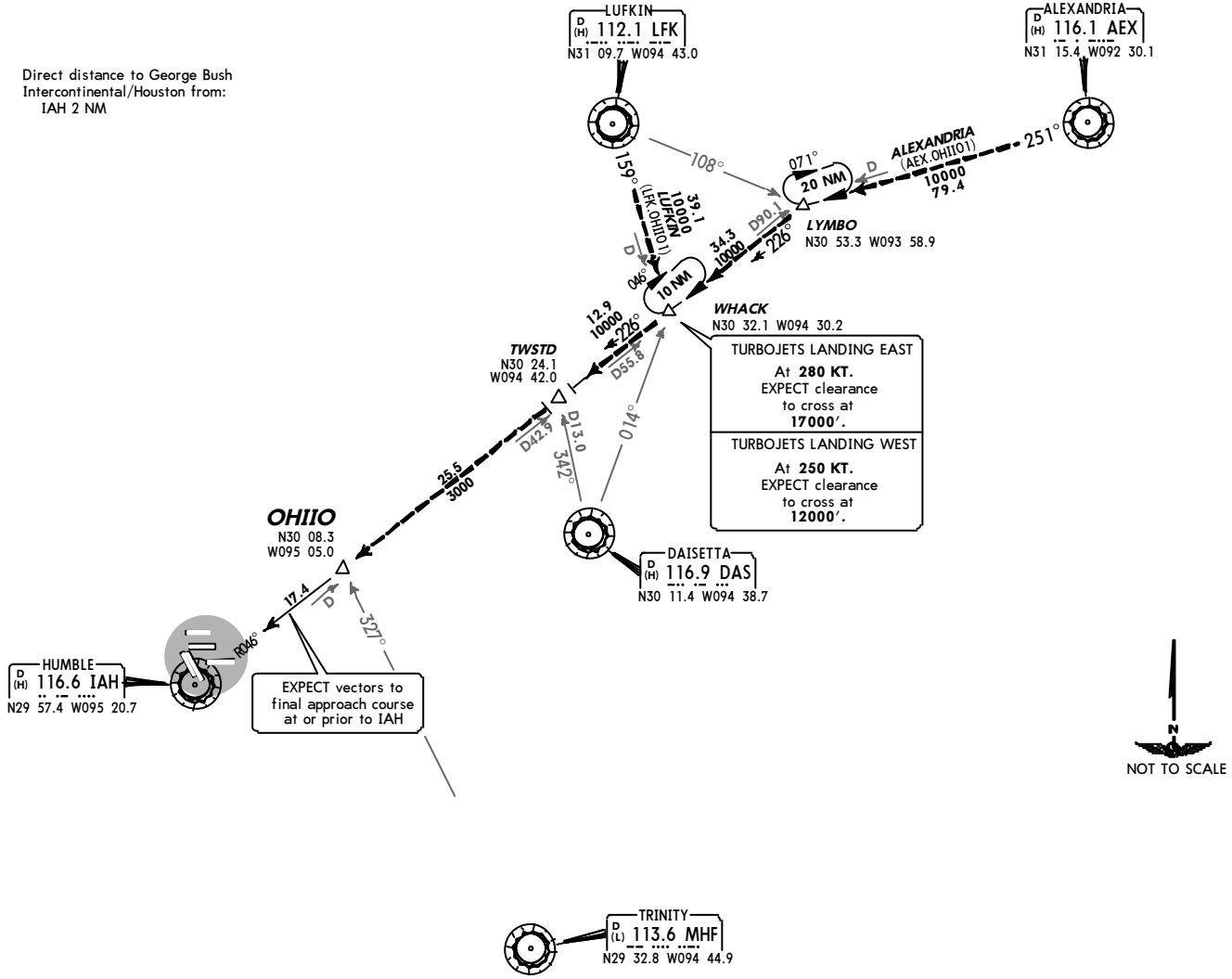
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
STAR

D-ATIS	Apt Elev		
124.05	96′	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the TWSTD/WHACK (RNAV) STAR.

OHIIO ONE ARRIVAL
(WHACK.OHII01)

Direct distance to George Bush Intercontinental/Houston from:
IAH 2 NM



ROUTING

From OHIIO via IAH R-046 to IAH. EXPECT vectors to final approach course at or prior to IAH.

CHANGES: New procedure at this airport.

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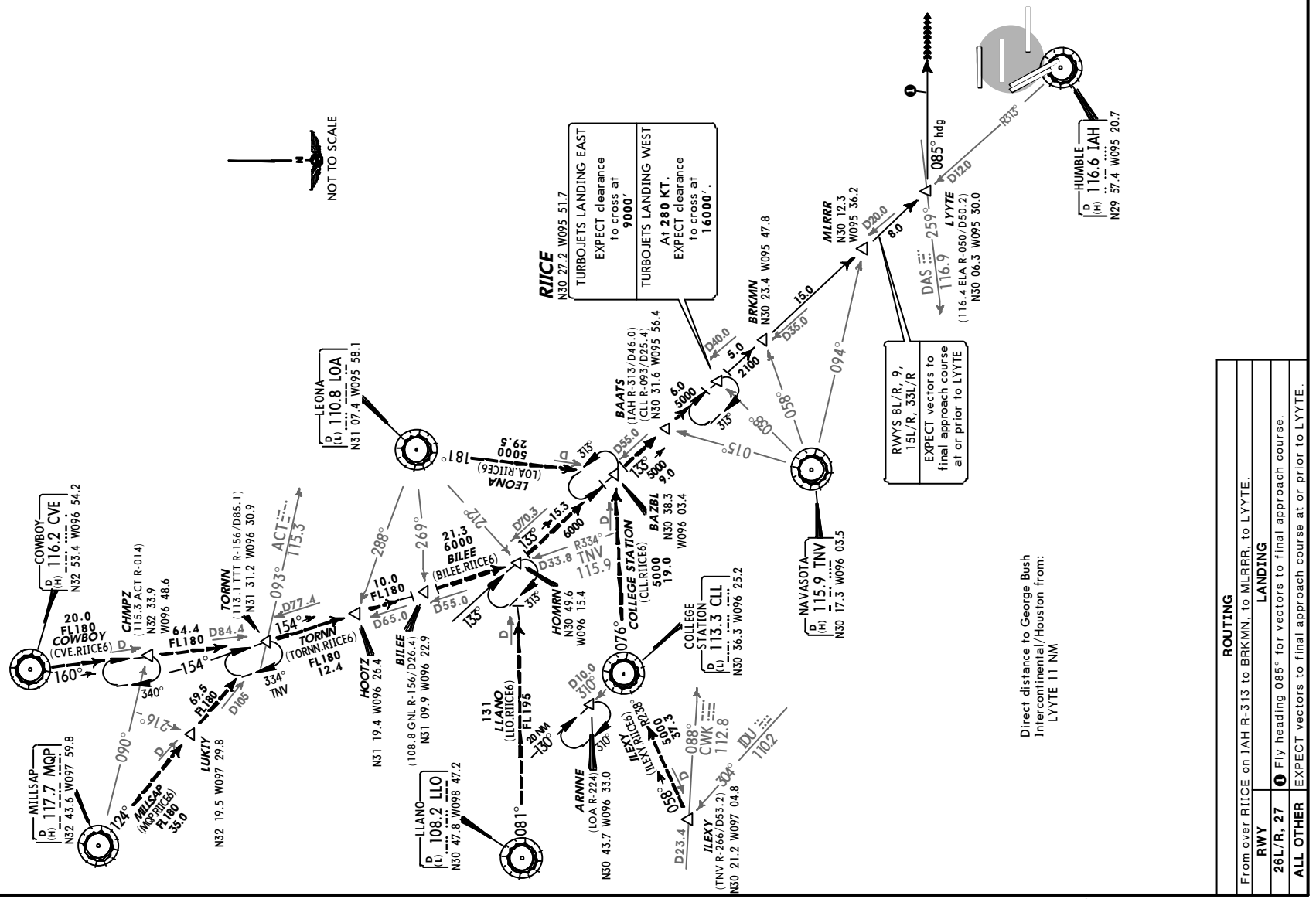
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	For piston aircraft landing George Bush Intercontinental/Houston.
124.05	96′		

RIICE SIX ARRIVAL
(BAZBL.RIICE6)



ROUTING	
From over RIICE on IAH R-313 to BRKMN, to MLRRR, to LYYTE.	
RWY	**LANDING**
26L/R, 27	❶ Fly heading 085° for vectors to final approach course.
ALL OTHER	EXPECT vectors to final approach course at or prior to LYYTE.

CHANGES: Procedure revised, renumbered, reindexed.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

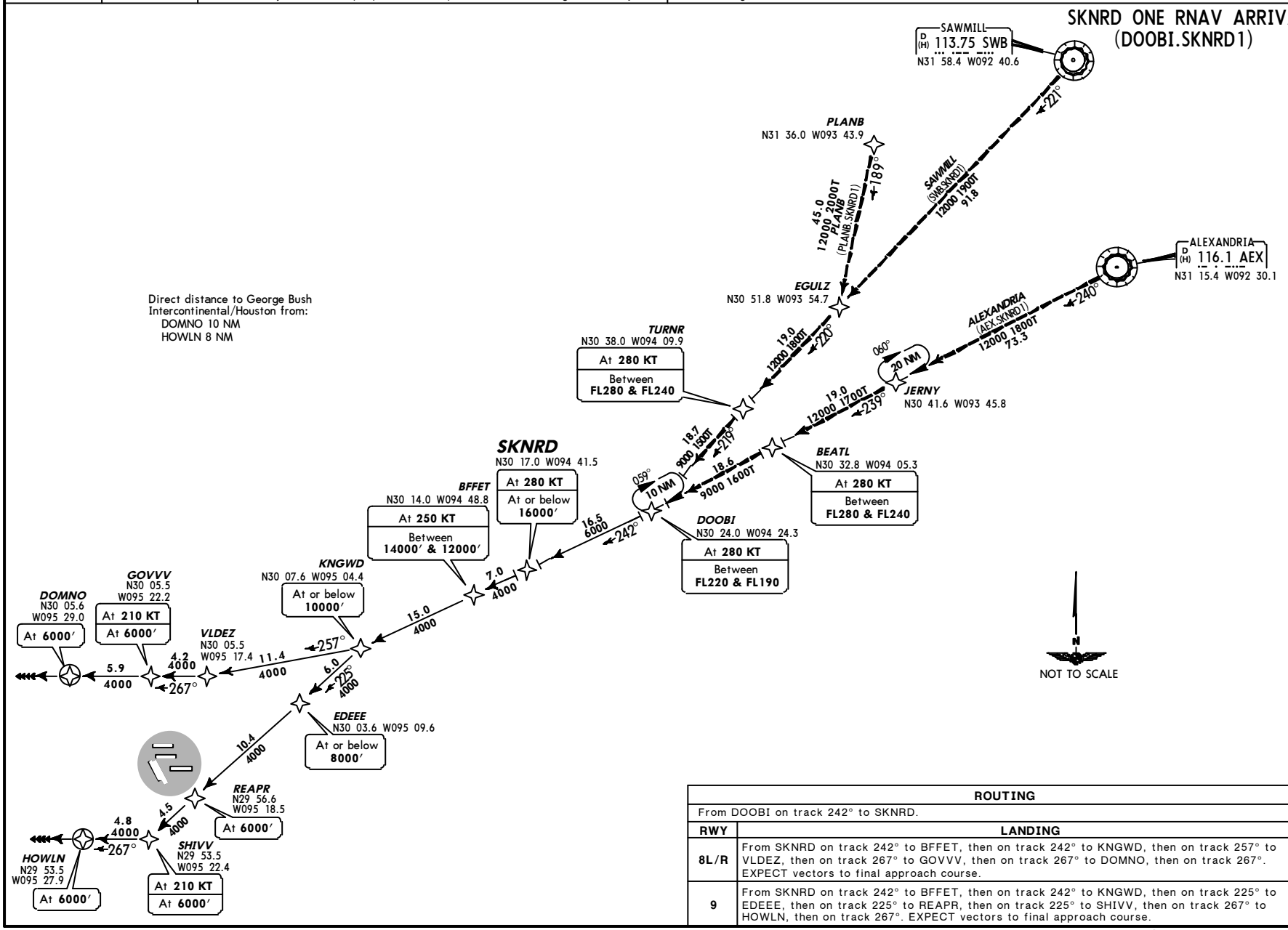
JEPPESEN 70-2N 23 MAY 14 Eff 29 May

HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
124.05	96′	**1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For 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 DOOBI. EXPECT DOOBI when George Bush Intercontinental/Houston is landing WEST.

SKNRD ONE RNAV ARRIVAL
(DOOBI.SKNRD1)



ROUTING	
From DOOBI on track 242° to SKNRD.	
RWY	**LANDING**
8L/R	From SKNRD on track 242° to BFFET, then on track 242° to KNGWD, then on track 257° to VLDEZ, then on track 267° to GOVVV, then on track 267° to DOMNO, then on track 267°. EXPECT vectors to final approach course.
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 vectors to final approach course.

CHANGES: New procedure at this airport.

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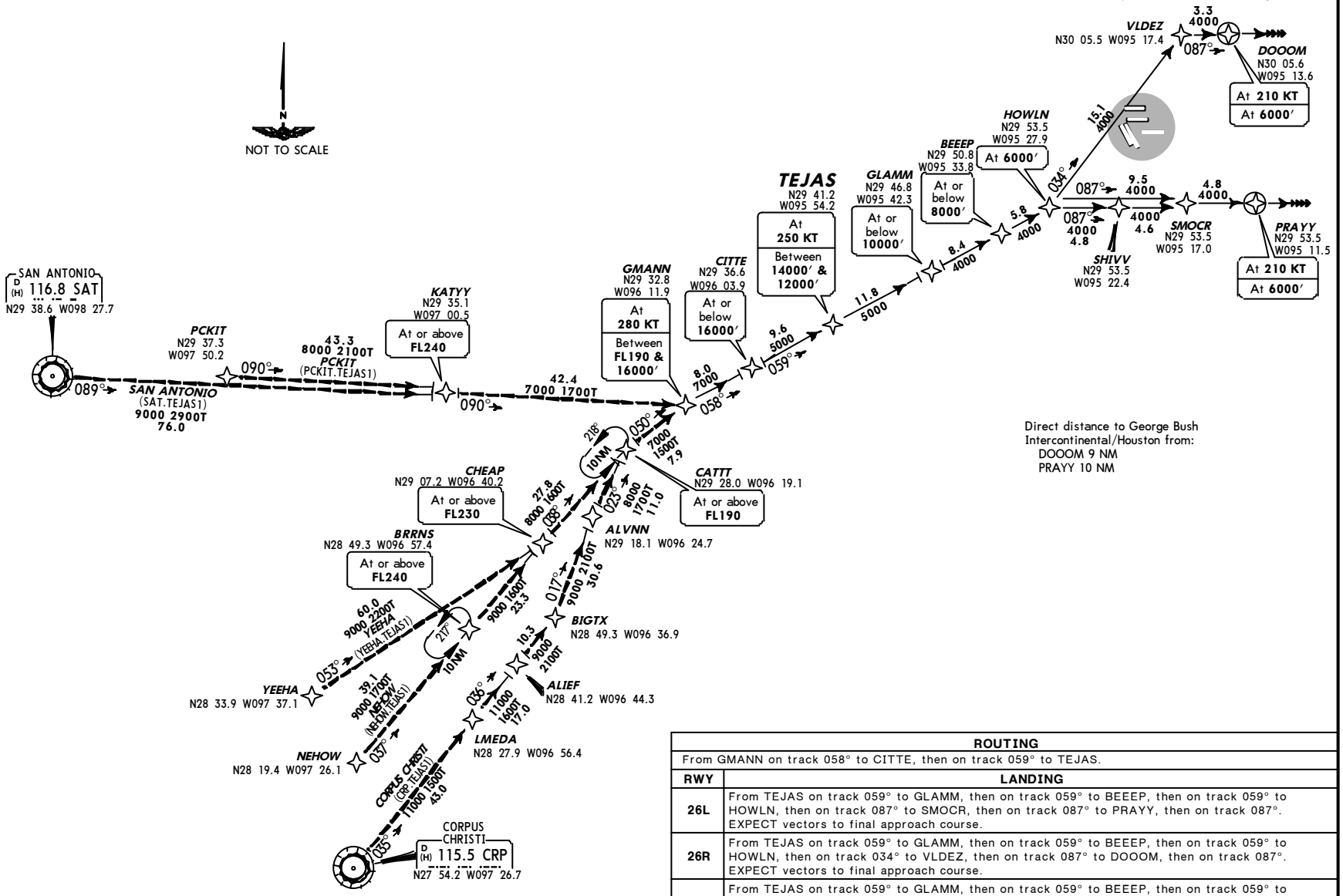
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN HOUSTON, TEXAS
23 MAY 14 (70-2P) Eff 29 May RNAV STAR

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 HTOWN. EXPECT HTOWN when George Bush Intercontinental/ Houston is landing EAST.

TEJAS ONE RNAV ARRIVAL (GMANN.TEJAS1)



Direct distance to George Bush Intercontinental/Houston from:
DOOOM 9 NM
PRAYY 10 NM

ROUTING	
From GMANN on track 058° to CITTE, then on track 059° to TEJAS.	
RWY	**LANDING**
26L	From TEJAS on track 059° to GLAMM, then on track 059° to BEEEP, then on track 059° to HOWLN, then on track 087° to SMOCR, then on track 087° to PRAYY, then on track 087°. EXPECT vectors to final approach course.
26R	From TEJAS on track 059° to GLAMM, then on track 059° to BEEEP, then on track 059° to HOWLN, then on track 034° to VLDEZ, then on track 087° to DOOOM, then on track 087°. EXPECT vectors to final approach course.
27	From TEJAS on track 059° to GLAMM, then on track 059° to BEEEP, then on track 059° to HOWLN, then on track 087° to SHIVV, then on track 087° to SMOCR, then on track 087° to PRAYY, then on track 087°. EXPECT vectors to final approach course.

CHANGES: New procedure at this airport.

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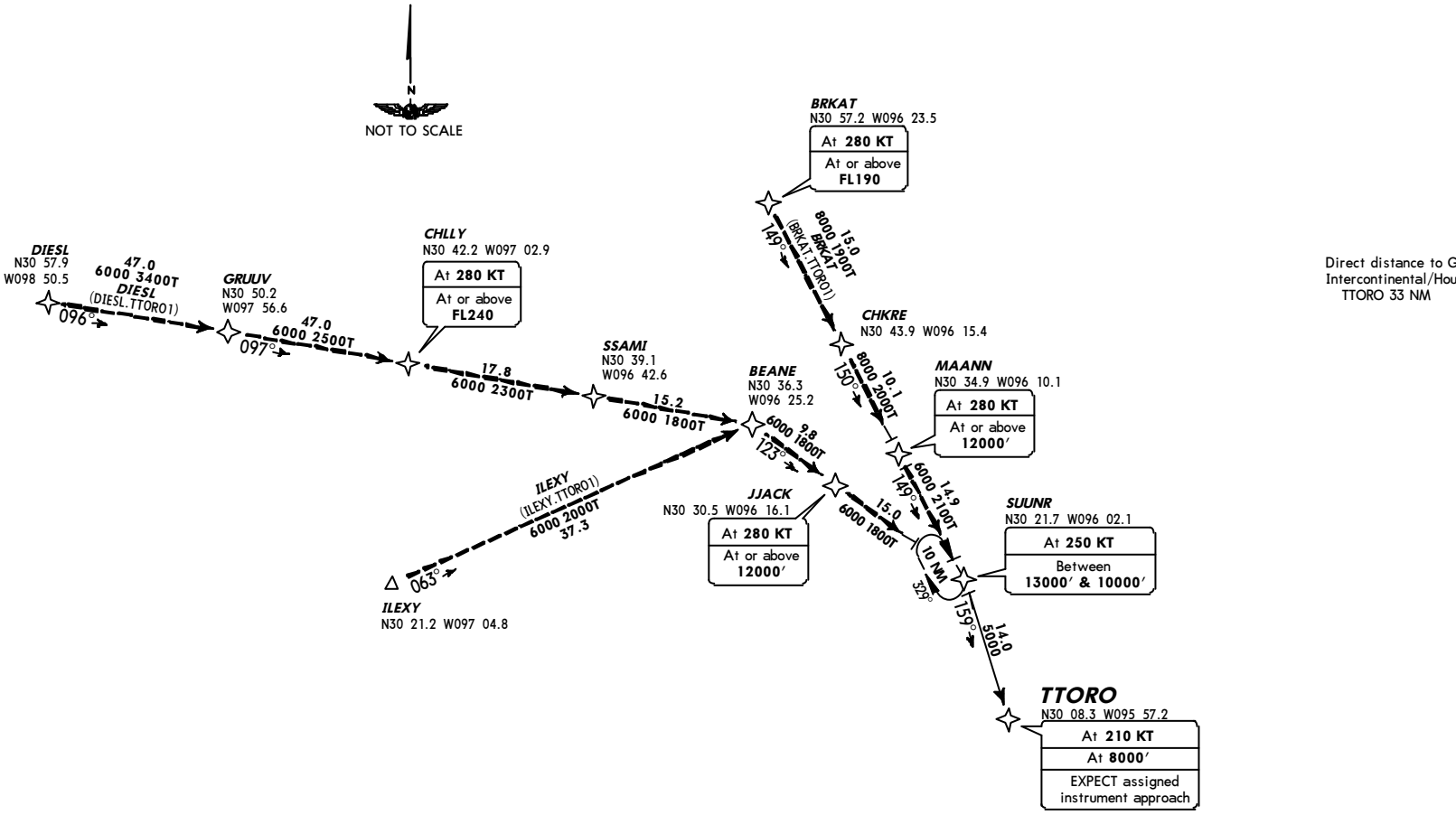
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-2Q 23 MAY 14
Eff 29 May

HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	5. EXPECT runway assignment from Houston TRACON upon initial contact.
124.05	96′	**1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For turbojet and turboprop aircraft capable of 280 KT or greater only.	6. Corresponding RNAV STAR is MSCOT. EXPECT MSCOT when George Bush Intercontinental/Houston is landing WEST. 7. BRKAT Transition ATC assigned only.

TTORO ONE RNAV ARRIVAL
(SUUNR.TTORO1)



Direct distance to George Bush Intercontinental/Houston from:
TTORO 33 NM

ROUTING
From SUUNR on track 159° to TTORO. EXPECT assigned instrument approach.

CHANGES: New procedure at this airport.

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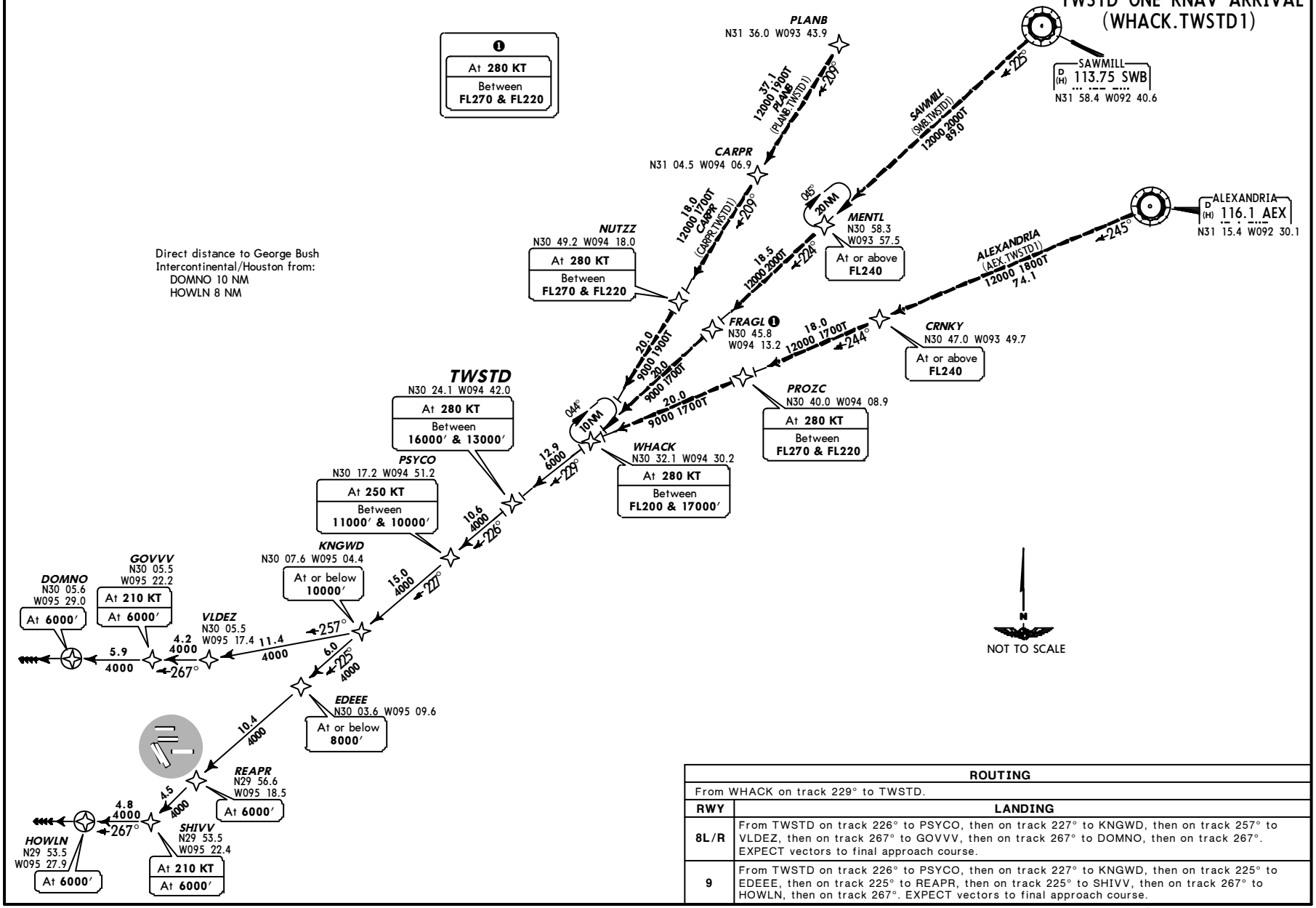
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN HOUSTON, TEXAS
23 MAY 14 (70-2S) Eff 29 May RNAV STAR

D-ATIS	Apt Elev
124.05	96′

Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For 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 WHACK. EXPECT WHACK when George Bush Intercontinental/ Houston is landing WEST.

TWSTD ONE RNAV ARRIVAL (WHACK.TWSTD1)



ROUTING	
From WHACK on track 229° to TWSTD.	
RWY	**LANDING**
8L/R	From TWSTD on track 226° to PSYCO, then on track 227° to KNGWD, then on track 257° to VLDEZ, then on track 267° to GOVVV, then on track 267° to DOMNO, then on track 267°. EXPECT vectors to final approach course.
9	From TWSTD on track 226° to PSYCO, 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 vectors to final approach course.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

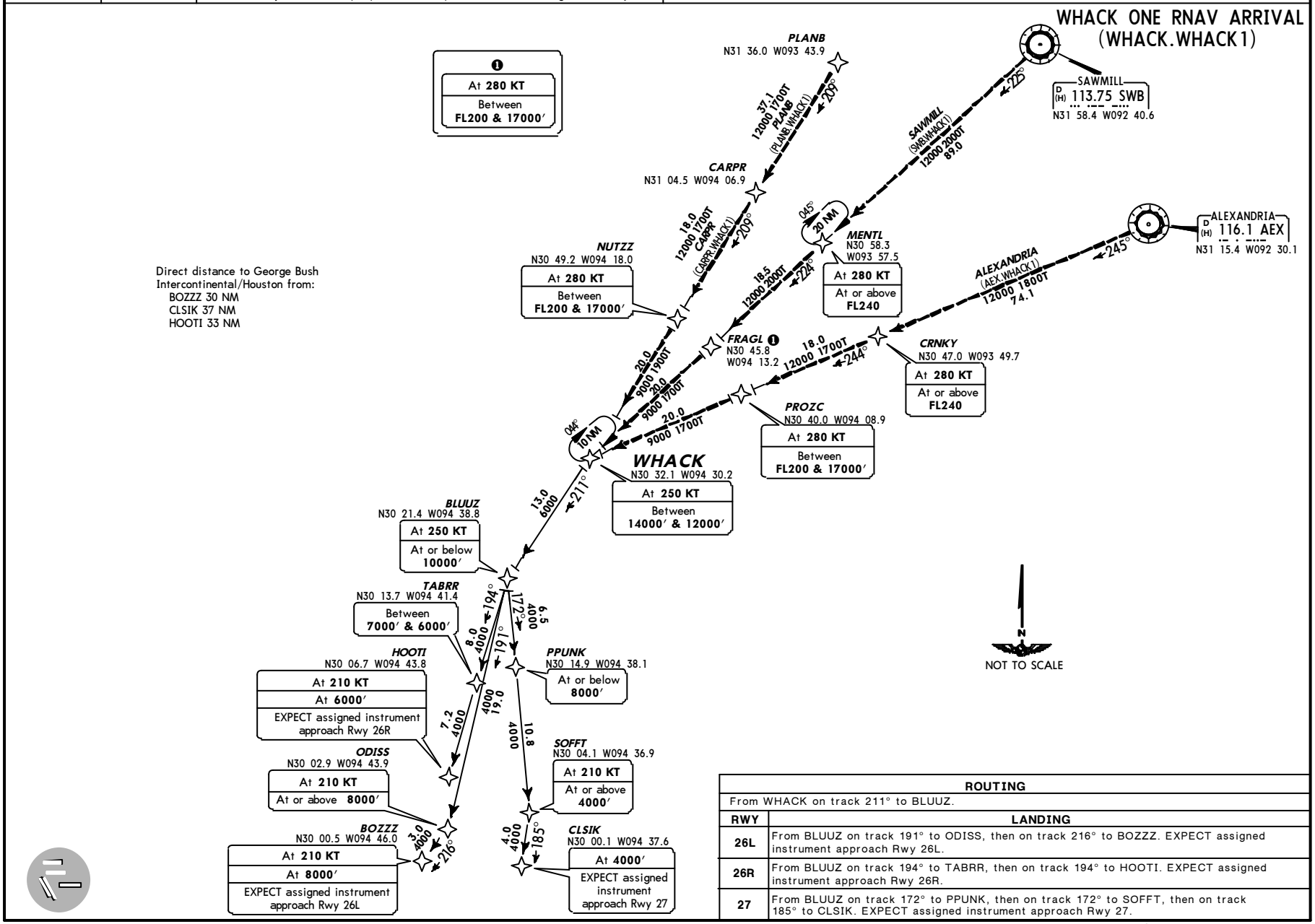
JEPPESEN 70-2T 23 MAY 14 Eff 29 May

HOUSTON, TEXAS
RNAV STAR

D-ATIS	Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
124.05	96′	**1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For 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 TWSTD. EXPECT TWSTD when George Bush Intercontinental/ Houston is landing EAST.

WHACK ONE RNAV ARRIVAL (WHACK.WHACK1)



ROUTING	
From WHACK on track 211° to BLUUZ.	
RWY	**LANDING**
26L	From BLUUZ on track 191° to ODISS, then on track 216° to BOZZZ. EXPECT assigned instrument approach Rwy 26L.
26R	From BLUUZ on track 194° to TABRR, then on track 194° to HOOTI. EXPECT assigned instrument approach Rwy 26R.
27	From BLUUZ on track 172° to PPUNK, then on track 172° to SOFFT, then on track 185° to CLSIK. EXPECT assigned instrument approach Rwy 27.

CHANGES: New procedure at this airport.

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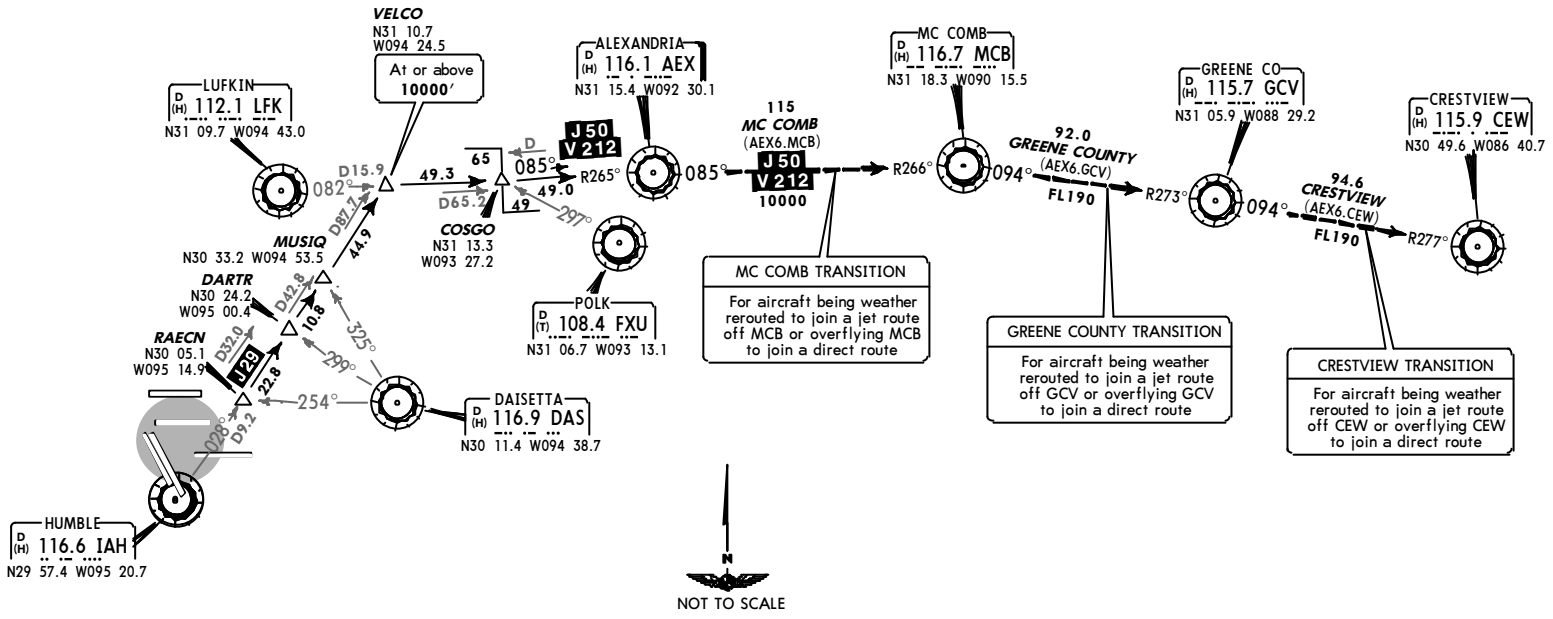
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R) North	East	South	West	Apt Elev	Trans level: FL180 Trans alt: 18000′
132.25	133.6	127.12	126.67	96′	

1. RADAR required.
2. CRESTVIEW, GREENE COUNTY and MC COMB Transitions are ATC assigned only, do not file.

ALEXANDRIA SIX DEPARTURE
(AEX6.AEX)



Direct distance from George Bush Intercontinental/Houston to:
RAECN 8 NM

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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).

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to RAECN. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At RAECN on IAH R-028 to VELCO, then RIGHT turn on LFK R-082 and AEX R-265 to AEX.

CHANGES: Also serves removed.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

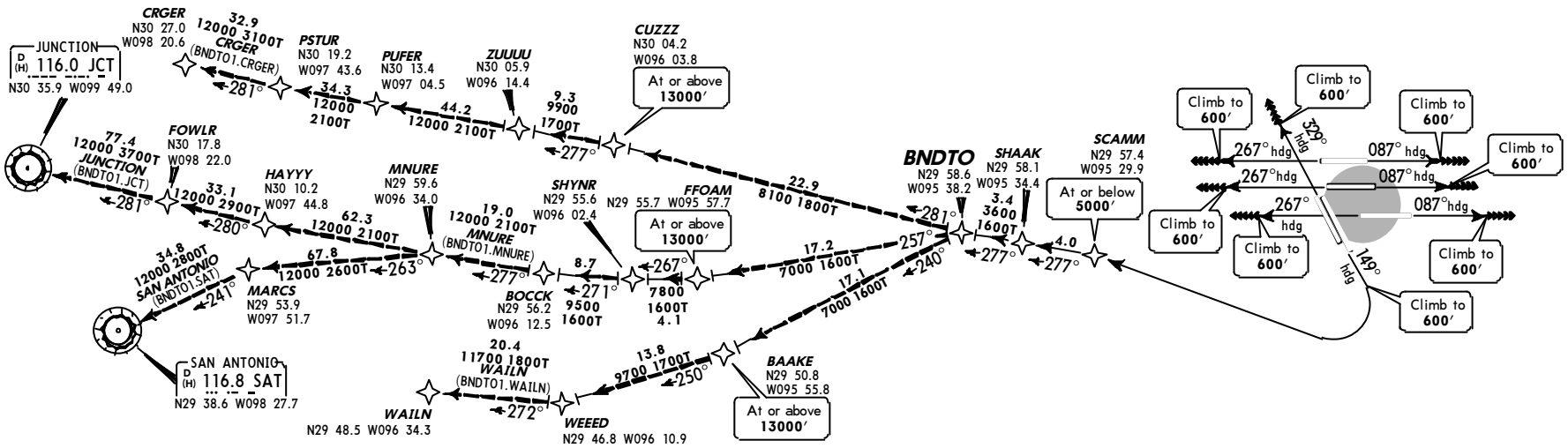
JEPPESEN 70-3A

23 MAY 14
Eff 29 May

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
North	East	South	West	96′		4. For use by turbojet and turboprop aircraft only.
132.25	133.6	127.12	126.67			5. Notify ATC if unable to comply with crossing restrictions.

BNDTO ONE RNAV DEPARTURE
(BNDTO1.BNDTO)



Direct distance from George Bush Intercontinental/Houston
(Rwys 15L/R) to: SCAMM 8 NM
(Rwys 8L/R, 9, 26L/R, 27, 33L/R) to: SHAAK 12 NM

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

N
NOT TO SCALE

This SID requires take-off 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 1200′.

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

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to SHAAK.
15L/R	Climb heading 149° to 600′, then RIGHT turn direct to cross SCAMM at or below 5000′, then on track 277° to SHAAK.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to SHAAK.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to SHAAK.
ROUTING	
From SHAAK on track 277° to BNDTO, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.	

CHANGES: New procedure at this airport.

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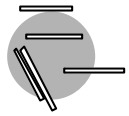
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

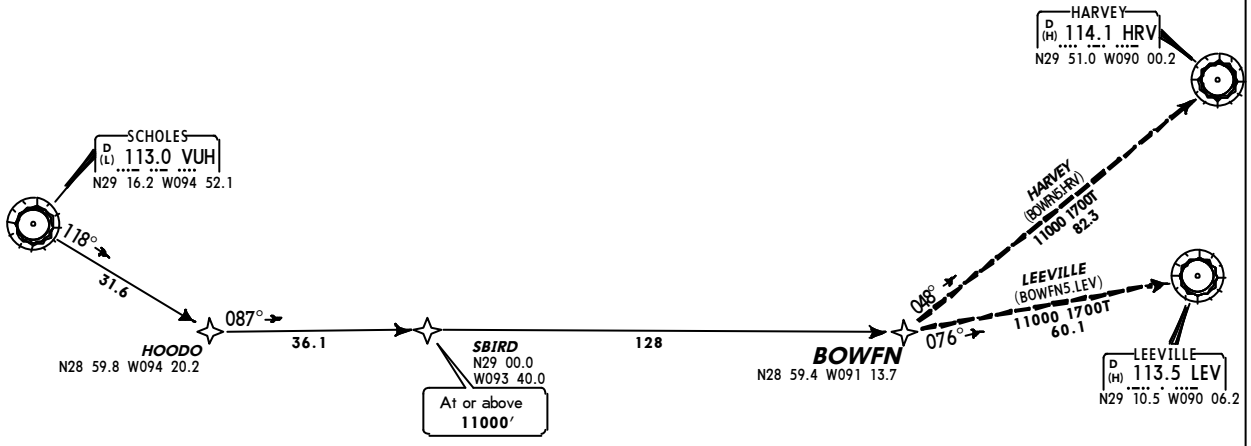
JEPPESEN HOUSTON, TEXAS
23 MAY 14 70-3B Eff 29 May RNAV SID

HOUSTON Departure (R)				Apt Elev		
North	East	South	West	96′	Trans level: FL180 Trans alt: 18000′ **1. RADAR required. 2. RNAV 1.** **3. DME/DME/IRU or GPS required.**	4. For non-GPS equipped aircraft LCH, LEV, LLA and TBD DMEs must be operational. 5. ATC assigned only. Do not file.
132.25	133.6	127.12	126.67			

BOWFN FIVE RNAV DEPARTURE
(BOWFN5.BOWFN)



Direct distance from George Bush Intercontinental/Houston to:
VUH 49 NM



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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).

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to VUH. MAINTAIN 4000′ or ATC assigned altitude on depicted route to HOODO. Then cross SBIRD at or above 11000′ on depicted route to BOWFN. Then via transition. EXPECT filed altitude 10 minutes after departure.

CHANGES: Bearings, also serves removed, procedure renumbered, reindexed.

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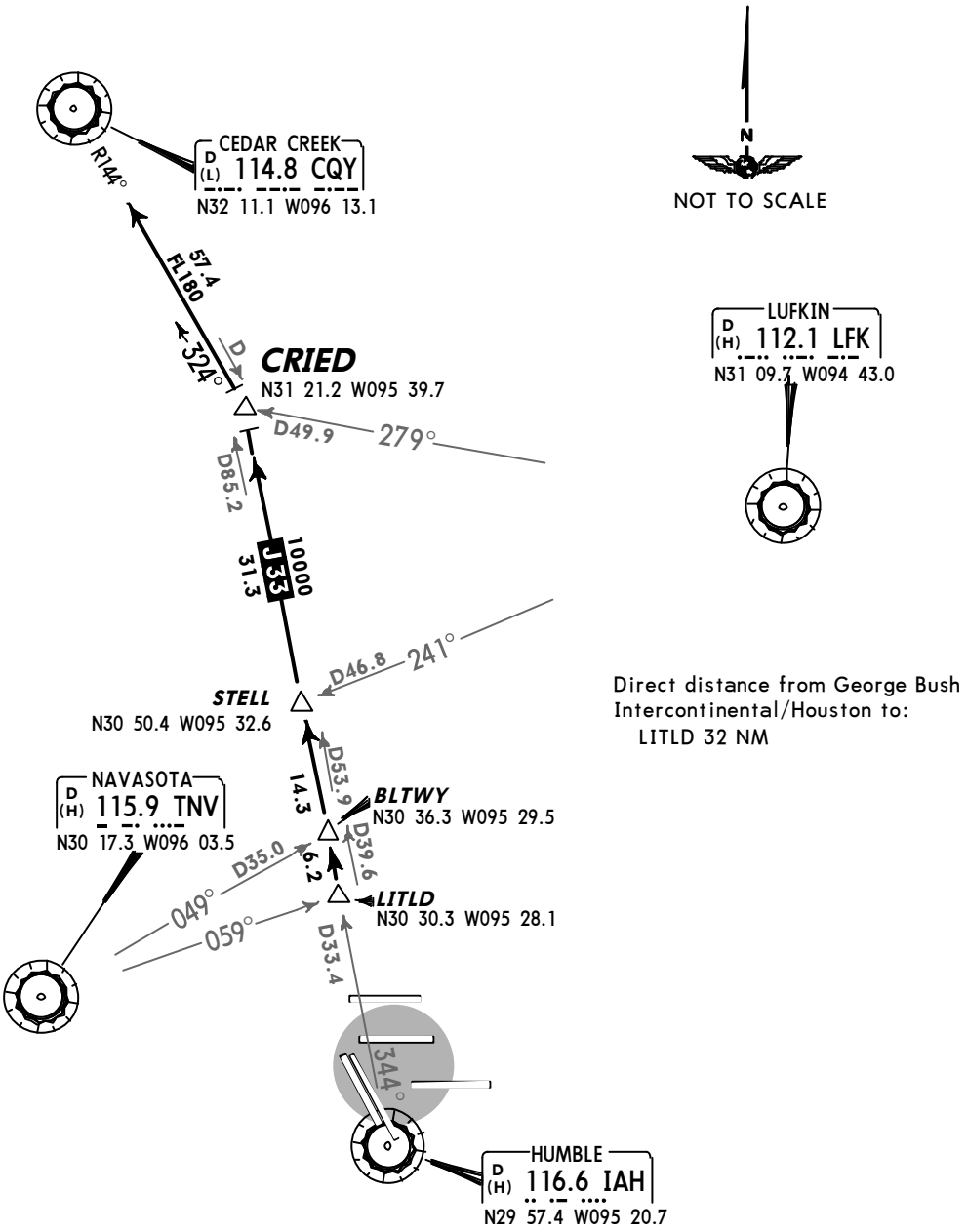
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3C
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	**RADAR required.**
132.25	133.6	127.12	126.67		

CRIED FIVE DEPARTURE (CRIED5.CRIED)



Direct distance from George Bush Intercontinental/Houston to:
LITLD 32 NM

This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to LITLD. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At LITLD, on IAH R-344 to STELL, then on IAH R-344 to CRIED, then LEFT turn on CQY R-144 to CQY.

CHANGES: Also serves removed, reindexed.

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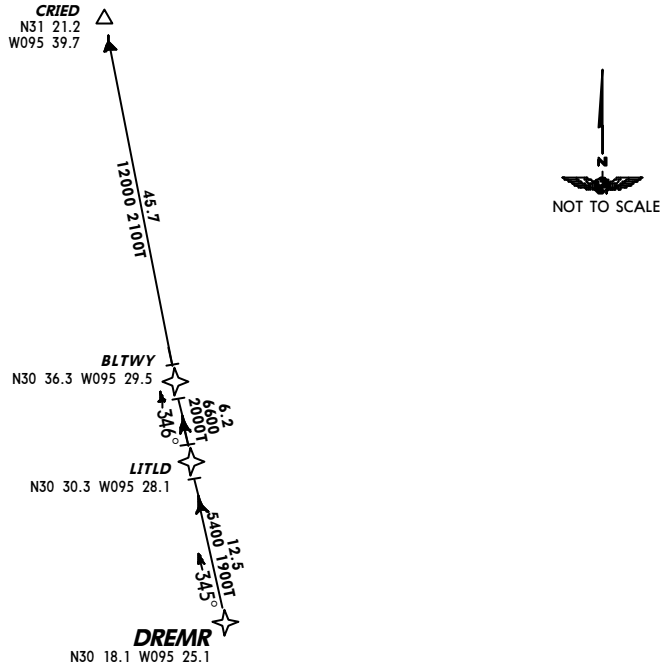
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R) North	East	South	West	Apt Elev	Trans level: FL180	Trans alt: 18000′	
132.25	133.6	127.12	126.67	96′			1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

DREMR ONE RNAV DEPARTURE
(DREMR1.DREMR)

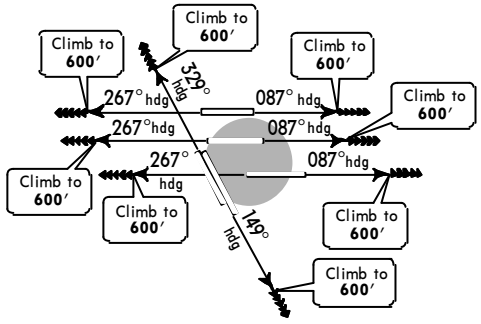


Direct distance from George Bush Intercontinental/Houston to:
DREMR 19 NM

This SID requires take-off 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′.

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

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.



RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to DREMR.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to DREMR.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to DREMR.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to DREMR.

ROUTING

From DREMR on track 345° to LITLD, then on track 346° to BLTWY, then on track 346° to CRIED. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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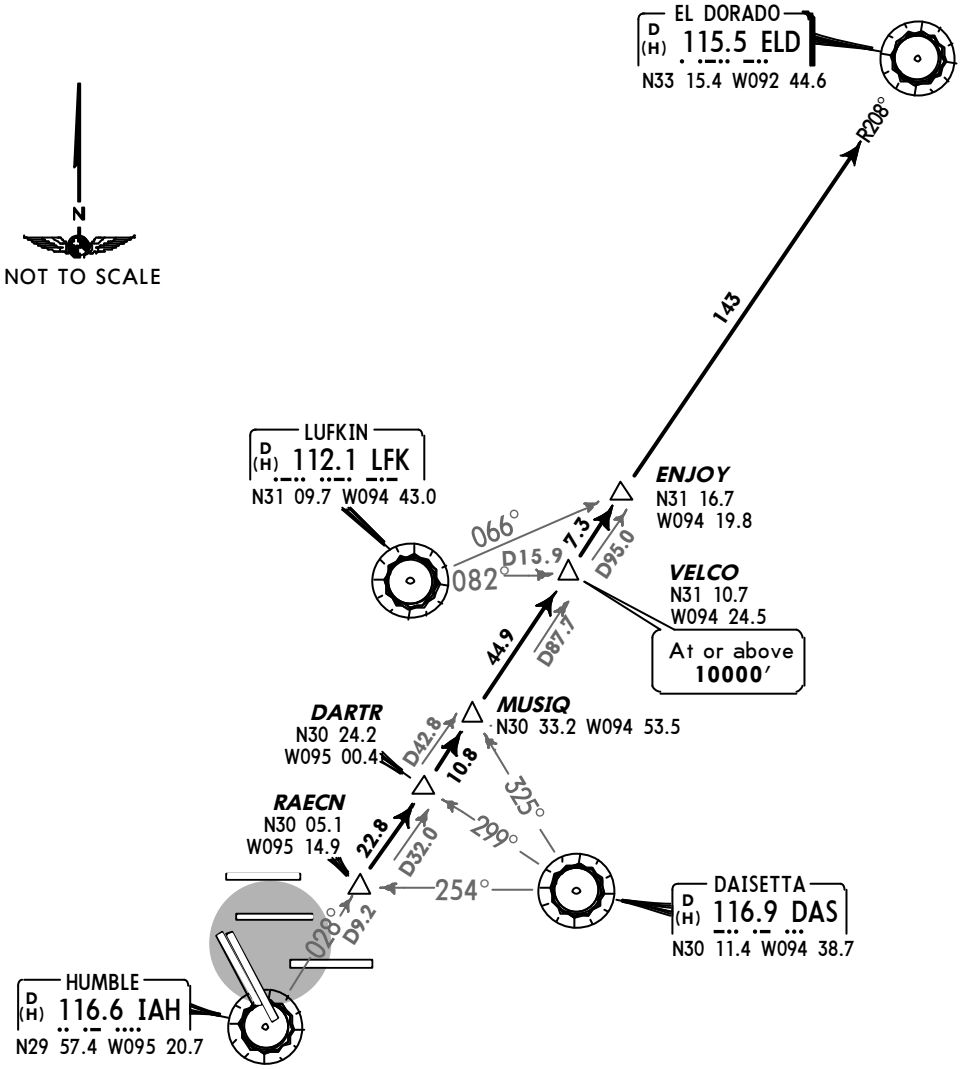
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3E
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R) 132.25	Apt Elev 96′	Trans level: FL180 Trans alt: 18000′ **1. RADAR required.** 2. For aircraft destined Memphis Intl, or filed via Q-32 or J-42.

EL DORADO FOUR DEPARTURE (ELD4.ELD)



Direct distance from George Bush Intercontinental/Houston to:
RAECN 8 NM

This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to RAECN. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At RAECN on IAH R-028 and the ELD R-208 to ELD.

CHANGES: Also serves removed, reindexed.

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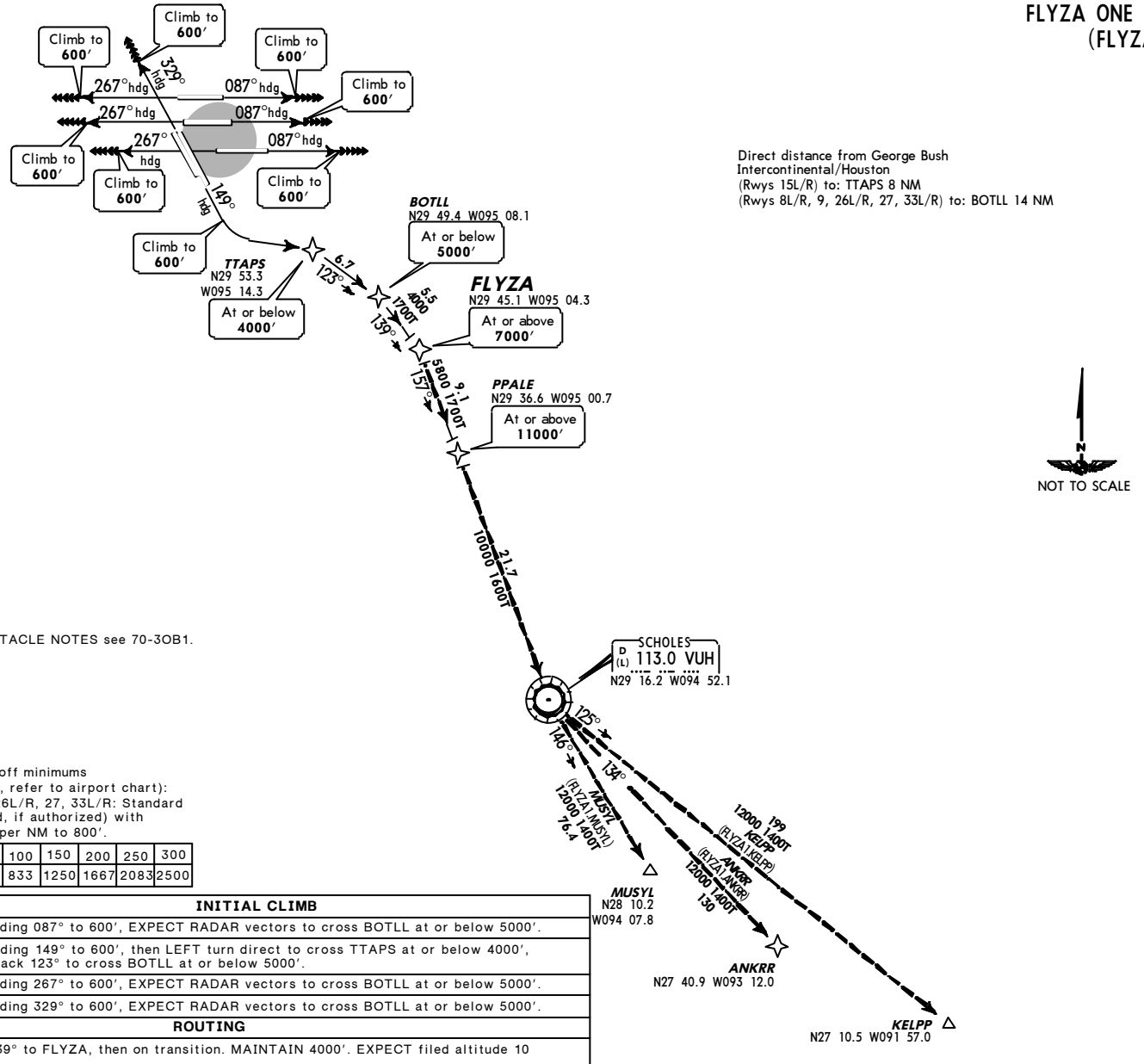
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	
132.25	133.6	127.12	126.67		

1. RADAR required. 2. GPS required. 3. RNAV 1.
4. For use by turbojet and turboprop aircraft only.
5. Notify ATC if unable to comply with crossing restrictions.

FLYZA ONE RNAV DEPARTURE
(FLYZA1.FLYZA)



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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 800′.

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

RWY	INITIAL CLIMB
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′.
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 FLYZA, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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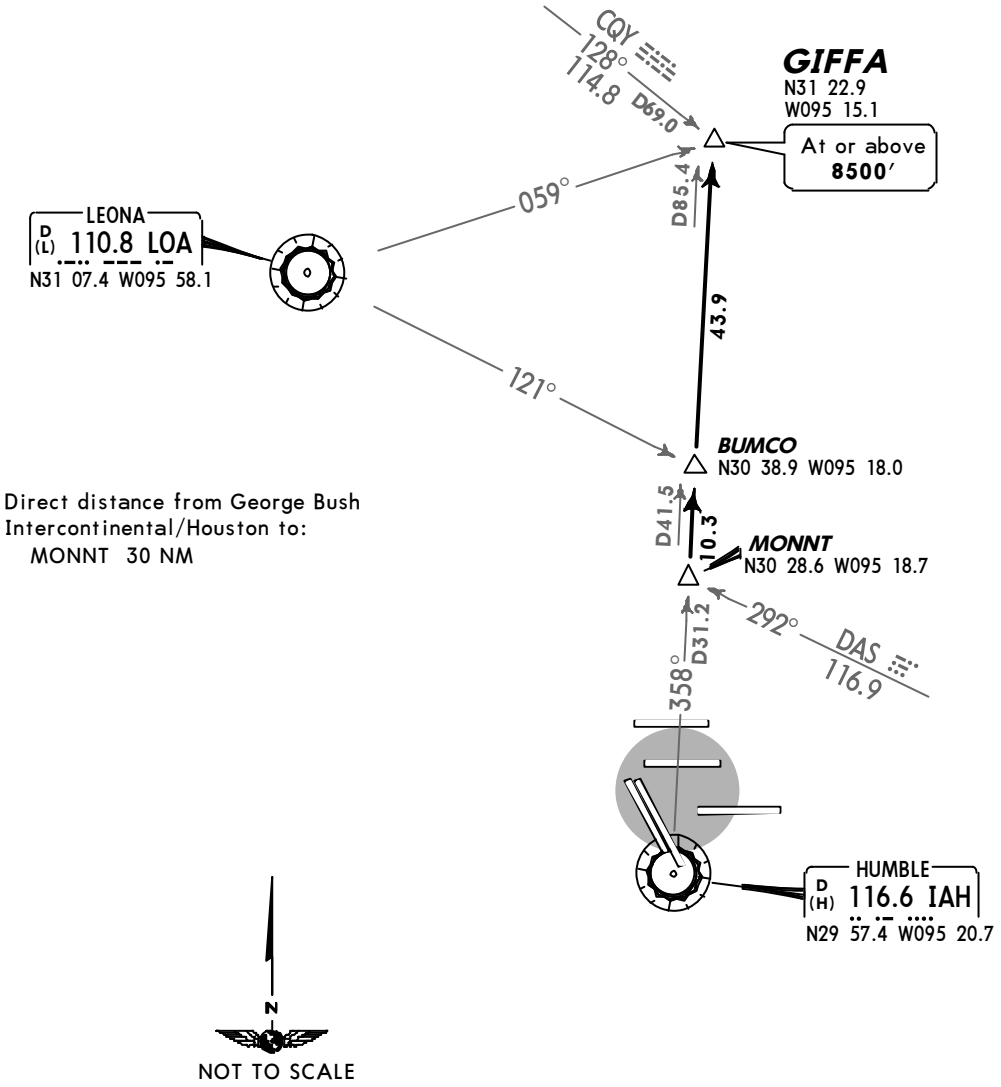
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3G
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	**1. RADAR required.**
132.25	133.6	127.12	126.67		2. For aircraft destined for Dallas Ft Worth (DFW) terminal area only.

GIFFA FIVE DEPARTURE (GIFFA5.GIFFA)



This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to MONNT. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At MONNT on IAH R-358 to GIFFA.

CHANGES: Also serves removed, reindexed.

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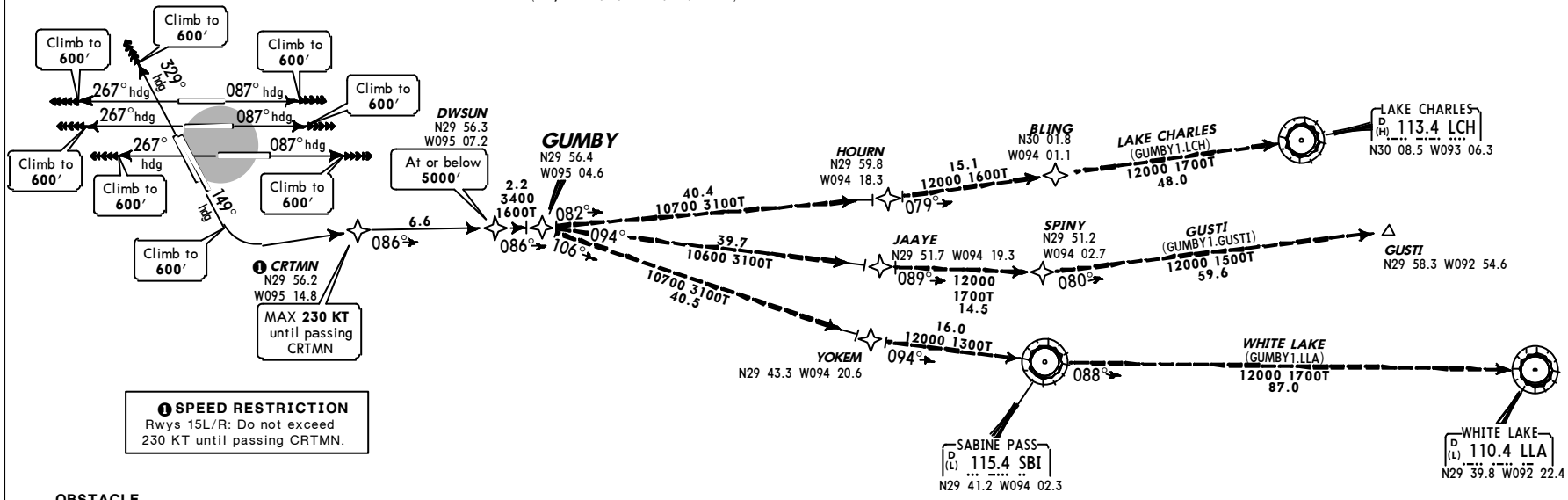
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′	5. Notify ATC if unable to comply with crossing restrictions.
North	East	South	West	96′	**1. RADAR required. 2. RNAV 1.**	6. For use during EAST flow at George Bush Intercontinental/Houston. For WEST flow file the MMUGS RNAV Departure.
132.25	133.6	127.12	126.67		**3. DME/DME/IRU or GPS required.**	
					4. For use by turbojet and turboprop aircraft only.	

GUMBY ONE RNAV DEPARTURE
(GUMBY1.GUMBY)

Direct distance from George Bush Intercontinental/Houston
(Rwys 15L/R) to: CRTMN 6 NM
(Rwys 8L/R, 9, 26L/R, 27, 33L/R) to: DWSUN 12 NM



❶ SPEED RESTRICTION
Rwys 15L/R: Do not exceed 230 KT until passing CRTMN.

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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 1700′.

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

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to cross DWSUN at or below 5000′.
15L/R	Climb heading 149° to 600′, then LEFT turn direct CRTMN, then on track 086° to cross DWSUN at or below 5000′.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to cross DWSUN at or below 5000′.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to cross DWSUN at or below 5000′.
ROUTING	
From DWSUN on track 086° to GUMBY, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.	

N
NOT TO SCALE

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-3J

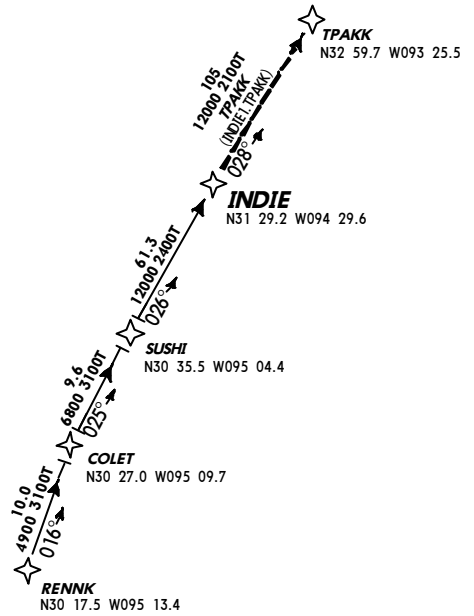
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180	Trans alt: 18000′
North	East	South	West	96′		
132.25	133.6	127.12	126.67			

1. RADAR required.
2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. TPAKK Transition: For non-GPS equipped aircraft TNV DME must be operational.

INDIE ONE RNAV DEPARTURE
(INDIE1.INDIE)

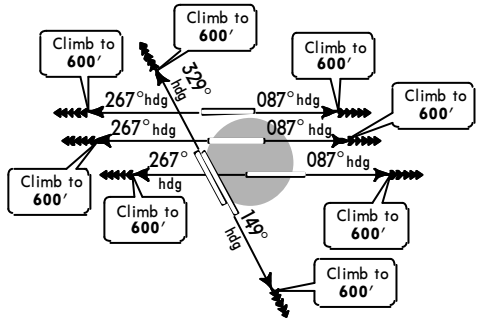


Direct distance from George Bush Intercontinental/Houston to:
RENNK 19 NM

This SID requires take-off 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′.

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

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.



RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to RENNK.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to RENNK.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to RENNK.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to RENNK.

ROUTING

From RENNK on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to INDIE, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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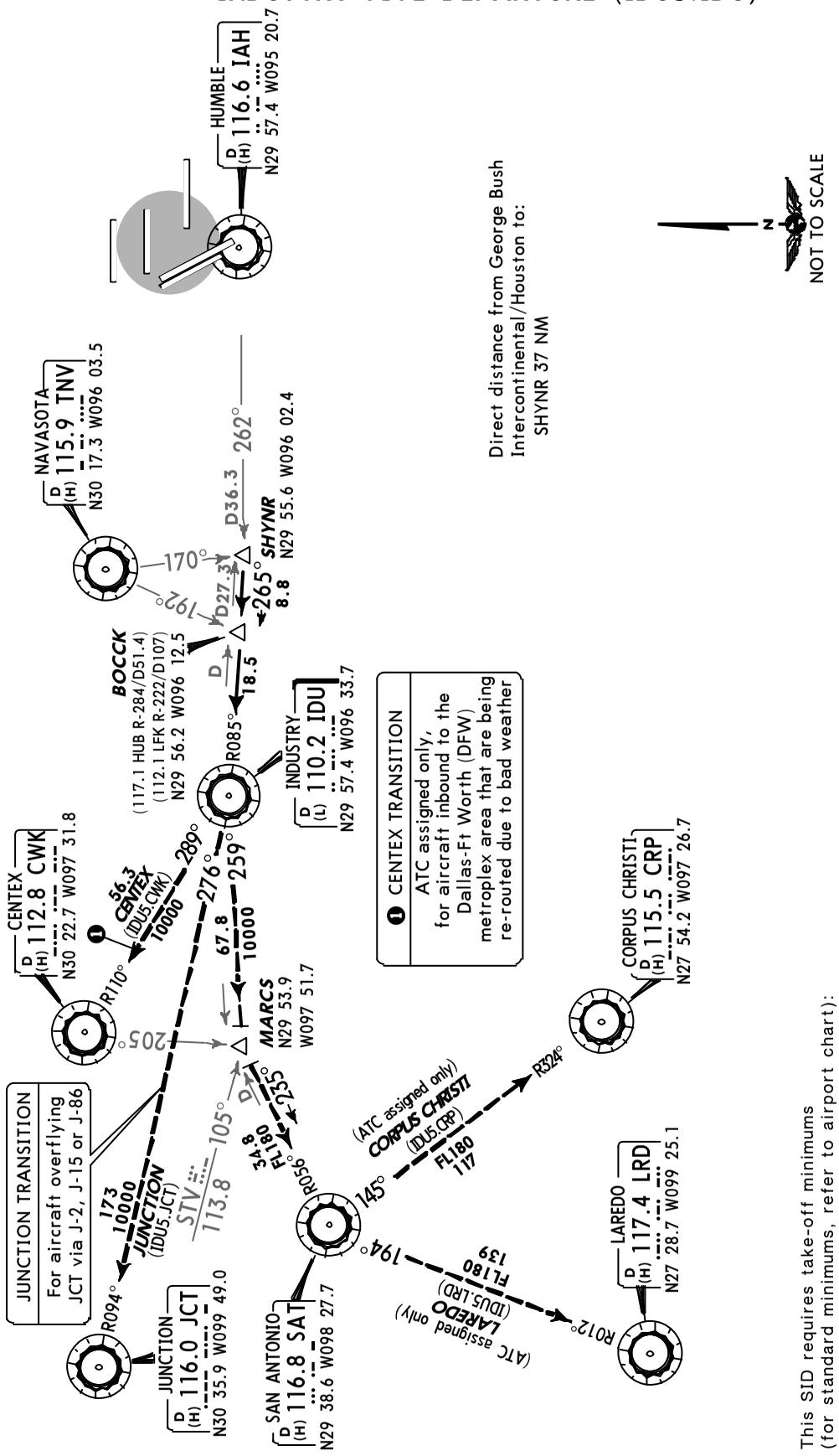
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3K
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)	Apt Elev	Trans level: FL180 Trans alt: 18000′
126.67	96′	**RADAR required.**

INDUSTRY FIVE DEPARTURE (IDU5.IDU)



CHANGES: Also serves removed, reindexed.

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JeppView 3.7.5.0

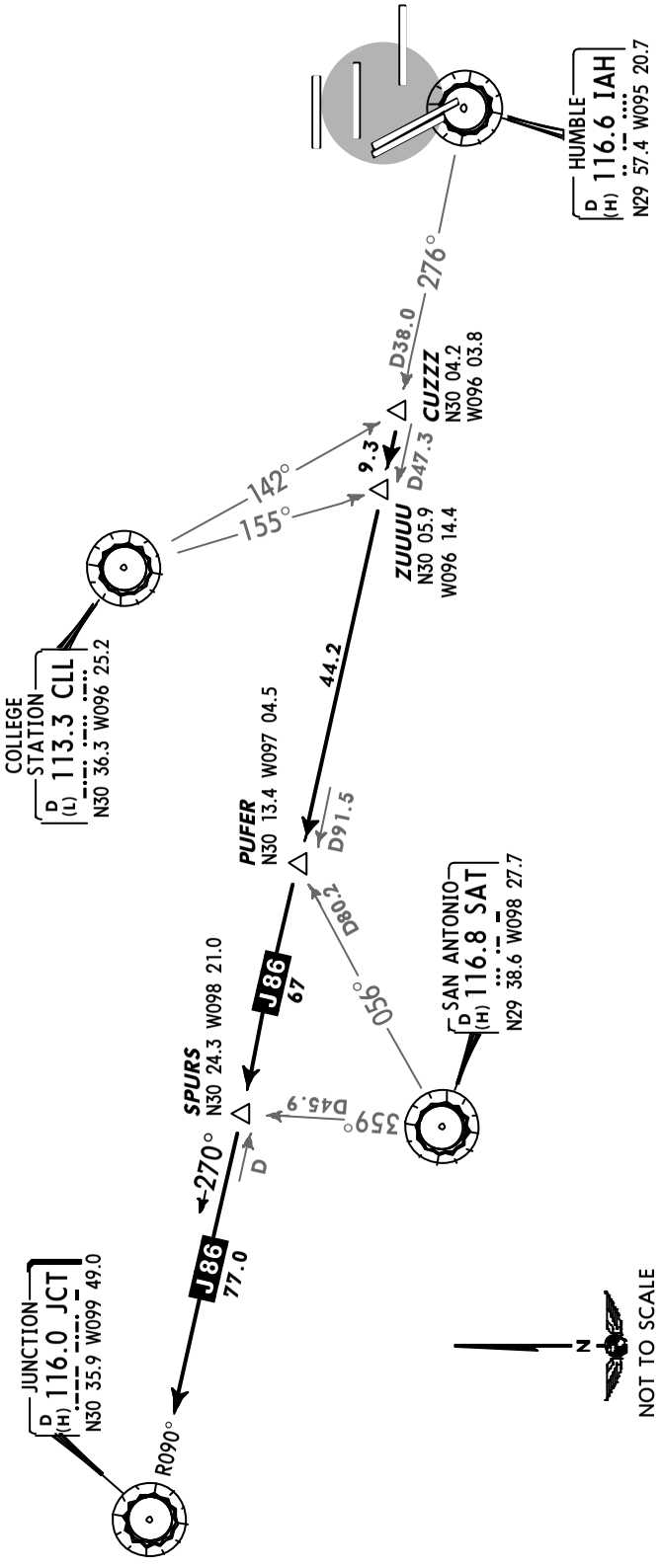
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3L
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	
North	East	South	West	96′	Trans level: FL180 Trans alt: 18000′ **1. RADAR required.** 2. For aircraft overflying JCT via J-86 filing FL240 or above.
132.25	133.6	127.12	126.67		

JUNCTION SEVEN DEPARTURE (JCT7.JCT)



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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).

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to CUZZZ. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. Then via IAH R-276 and JCT R-090 to JCT.

CHANGES: Also serves removed, reindexed.

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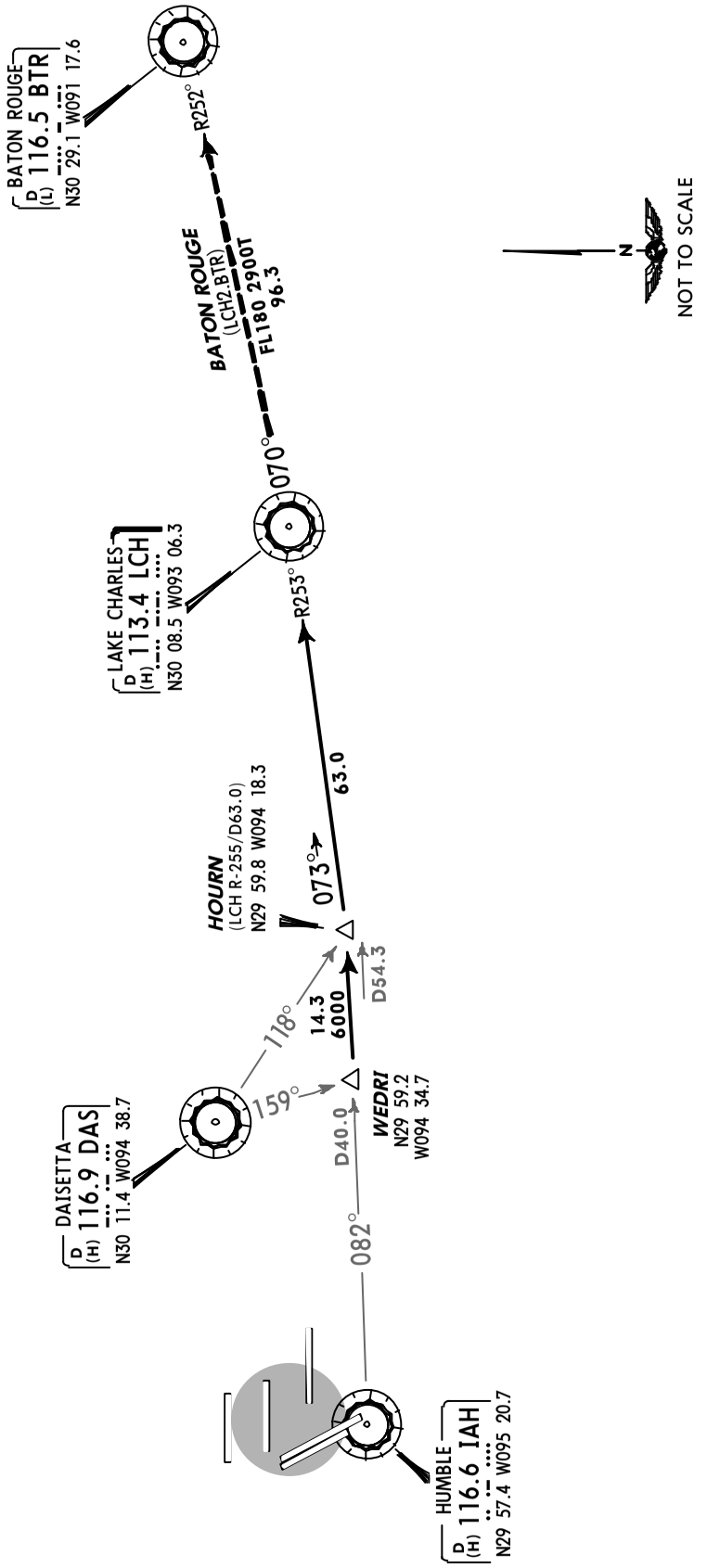
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3M
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	
North	East	South	West	96′	Trans level: FL180 Trans alt: 18000′
132.25	133.6	127.12	126.67		**RADAR required.**

LAKE CHARLES TWO DEPARTURE (LCH2.LCH)



This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to WEDRI. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. Then via IAH R-082 to HOURN, then via LCH R-253 to LCH.

CHANGES: Also serves removed, reindexed.

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JeppView 3.7.5.0

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

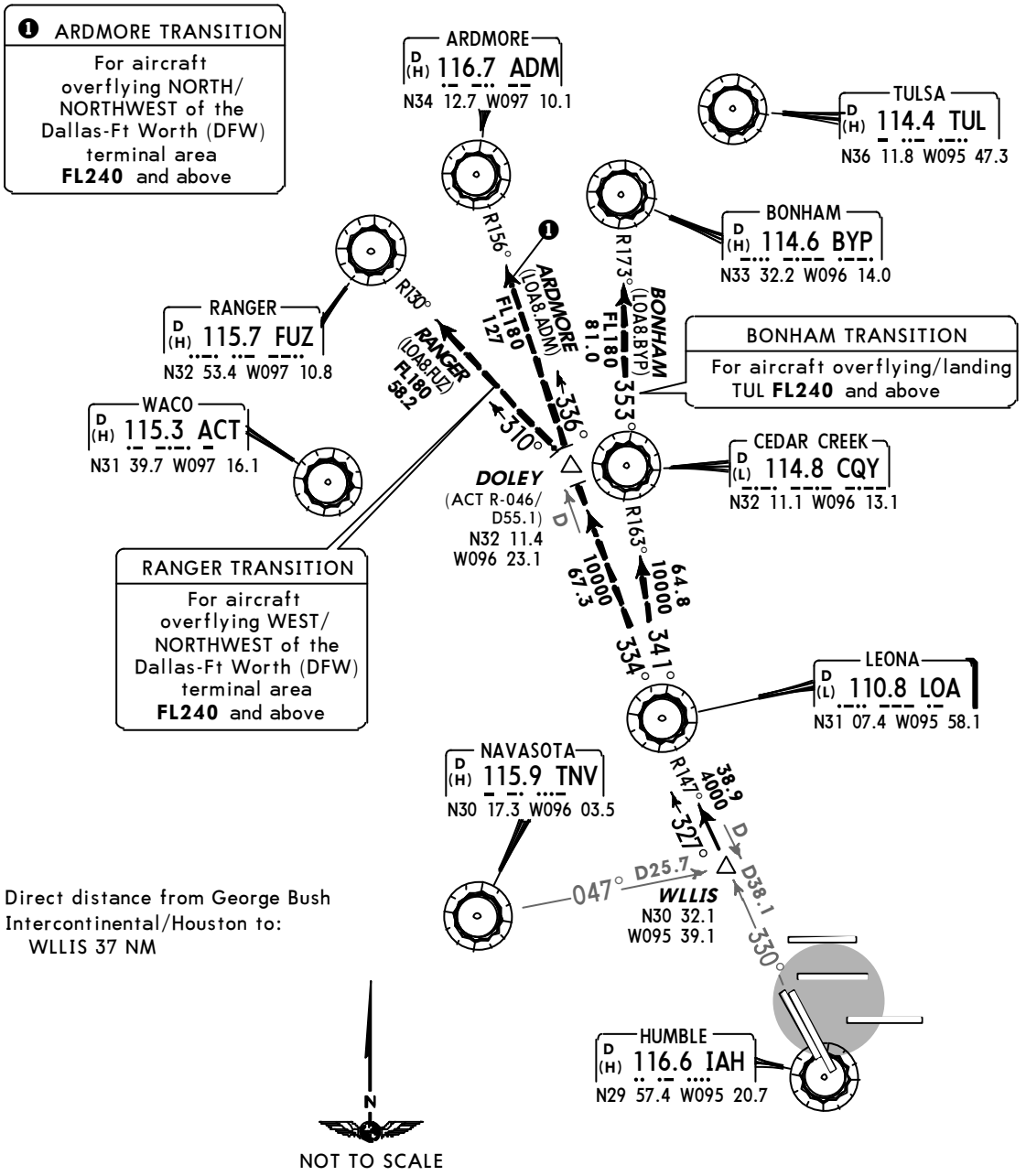
JEPPESEN
70-3N
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev
North	East	South	West	
132.25	133.6	127.12	126.67	96′

Trans level: FL180 Trans alt: 18000′
1. RADAR required.
2. Except for aircraft destined Waco (ACT) or the Dallas Ft Worth (DFW) terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ, ADM or BYP.

LEONA EIGHT DEPARTURE
(LOA8.LOA)



This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to WLLIS. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. From WLLIS on LOA R-147 to LOA.

CHANGES: Also serves removed, reindexed.

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KIAH/IAH

23 MAY 14
Eff 29 May

JEPPESEN
70-3OB1

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.

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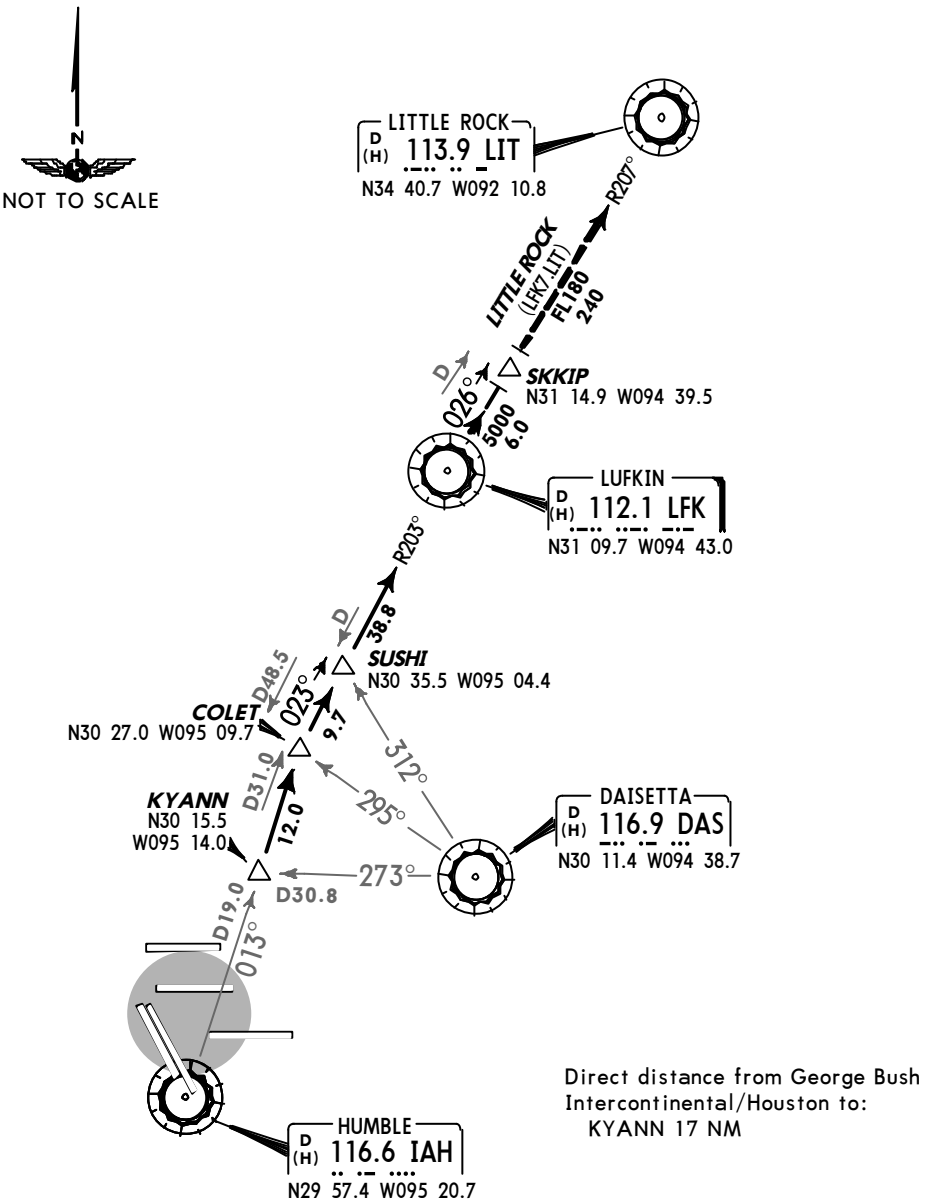
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3P
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	**1. RADAR required.**
132.25	133.6	127.12	126.67		2. For aircraft destined LIT, or overflying LIT or PXV.

LUFKIN SEVEN DEPARTURE (LFK7.LFK)



Direct distance from George Bush Intercontinental/Houston to:
KYANN 17 NM

This SID requires take-off 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).

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to KYANN. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At KYANN on IAH R-013 to COLET, then RIGHT turn on LFK R-203 to LFK.

CHANGES: Also serves removed, reindexed.

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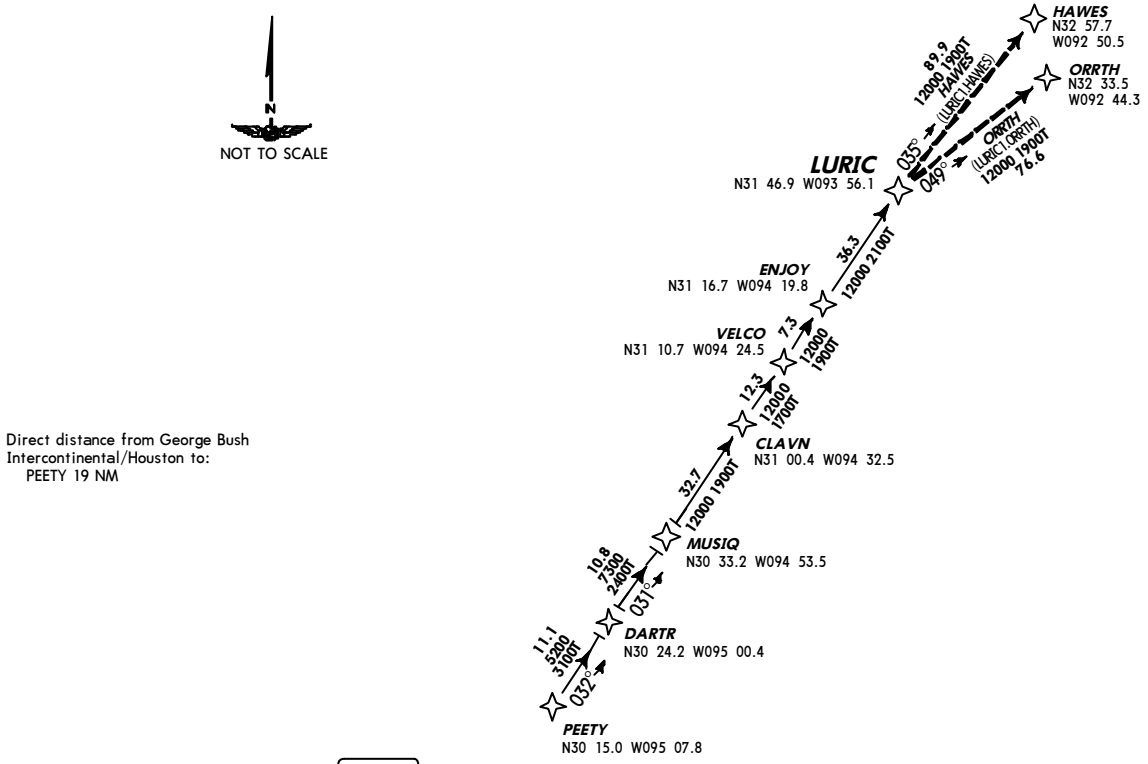
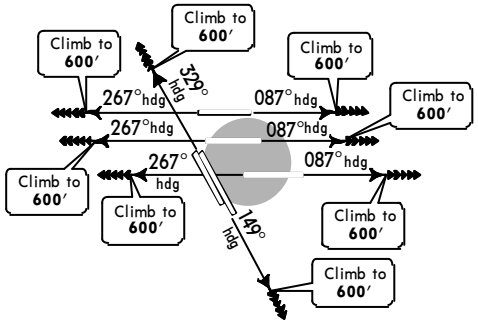
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R) North	East	South	West	Apt Elev	Trans level: FL180	Trans alt: 18000′	
132.25	133.6	127.12	126.67	96′			1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

LURIC ONE RNAV DEPARTURE
(LURIC1.LURIC)





OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 70-3OB1.

This SID requires take-off 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′.

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

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to PEETY.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to PEETY.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to PEETY.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to PEETY.

ROUTING

From PEETY on track 032° to DARTR, then on track 031° to MUSIQ, CLAVN, VELCO, ENJOY, LURIC, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-3S

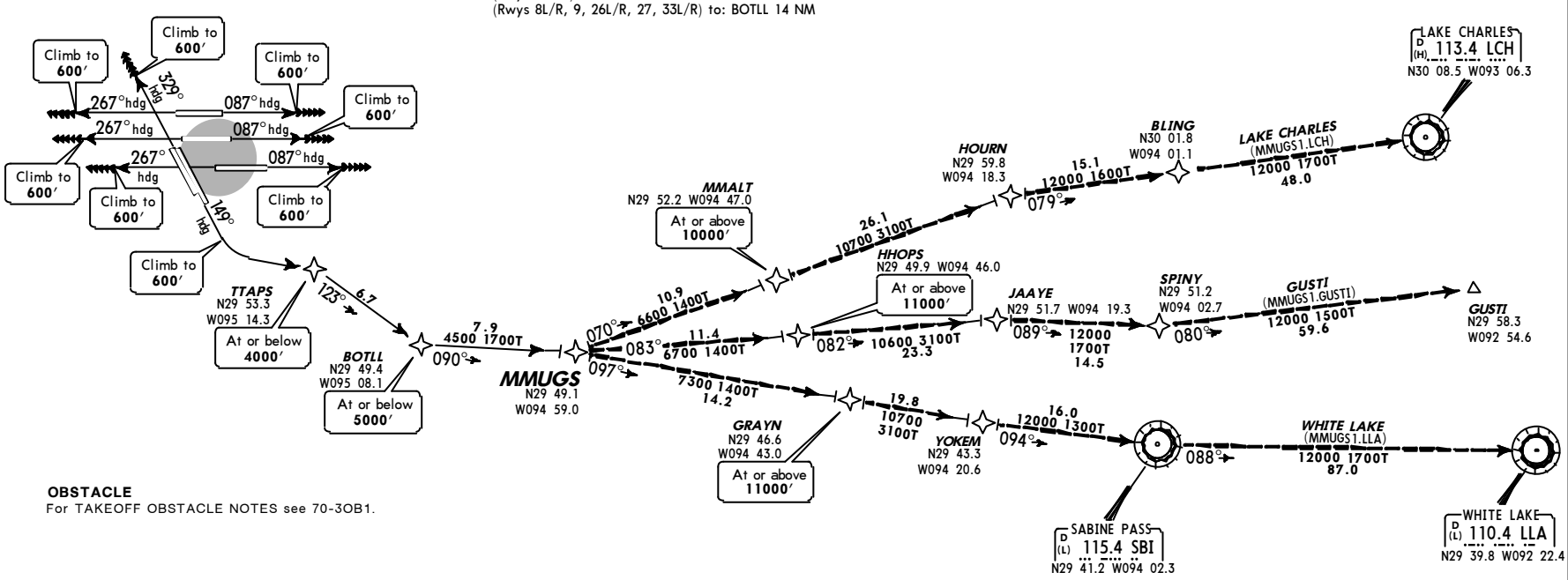
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′	4. For use by turbojet and turboprop aircraft only. 5. Notify ATC if unable to comply with crossing restrictions. 6. For use during WEST flow at George Bush Intercontinental/Houston. For EAST flow file the GUMBY RNAV Departure.
North	East	South	West	96′	**1. RADAR required. 2. RNAV 1. 3. DME/DME/IRU or GPS required.**	
132.25	133.6	127.12	126.67			

MMUGS ONE RNAV DEPARTURE
(MMUGS1.MMUGS)

Direct distance from George Bush Intercontinental/Houston
(Rwys 15L/R) to: TTAPS 8 NM
(Rwys 8L/R, 9, 26L/R, 27, 33L/R) to: BOTLL 14 NM



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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 800′.

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

RWY	INITIAL CLIMB
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′.
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 090° to MMUGS, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.	

N
NOT TO SCALE

CHANGES: New procedure at this airport.

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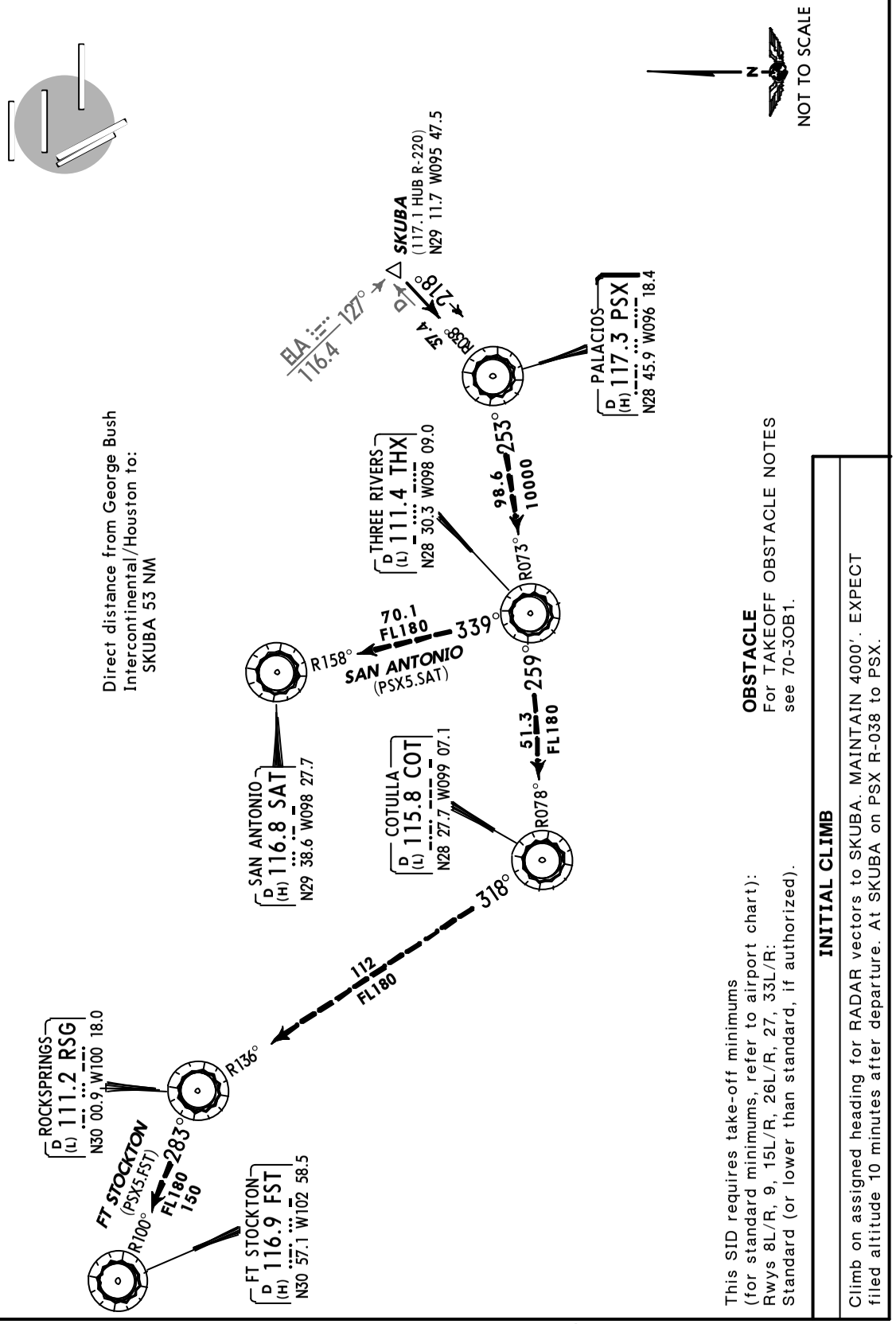
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3T
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	**RADAR required.**
132.25	133.6	127.12	126.67		

PALACIOS FIVE DEPARTURE (PSX5.PSX)



OBSTACLE
For TAKEOFF OBSTACLE NOTES
see 70-3OB1.

This SID requires take-off 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).

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to SKUBA. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At SKUBA on PSX R-038 to PSX.

CHANGES: Also serves removed, reindexed.

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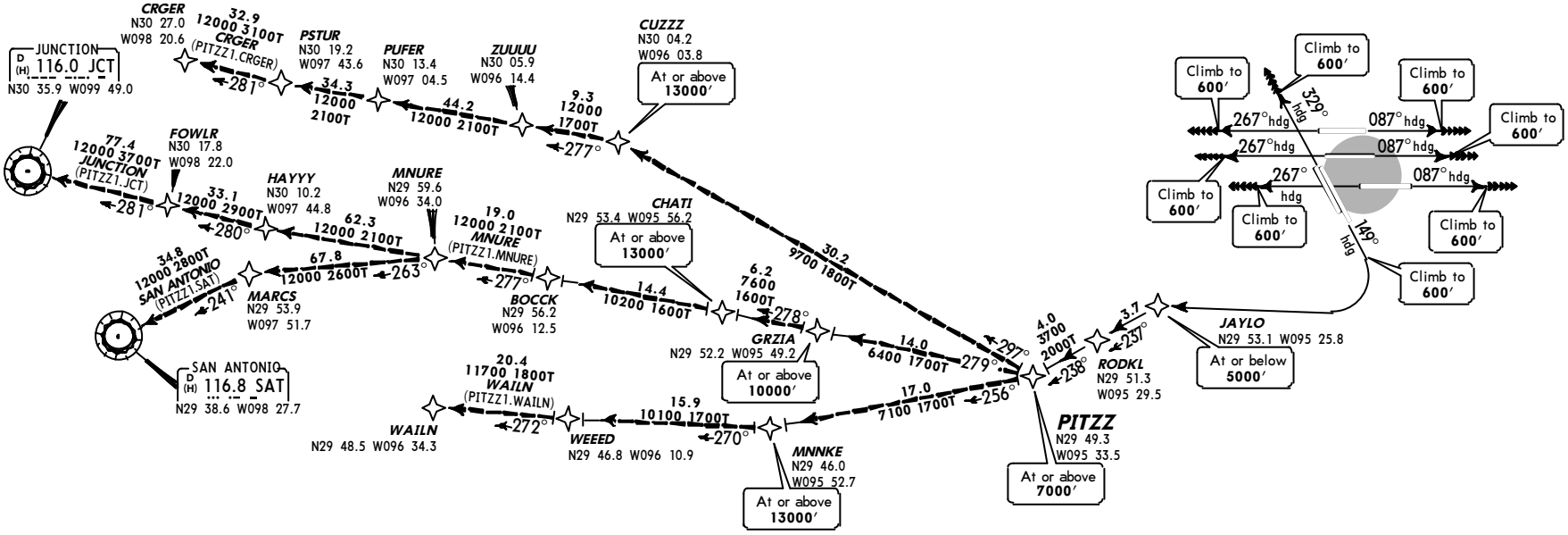
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′	4. For use by turbojet and turboprop aircraft only. 5. Notify ATC if unable to comply with crossing restrictions. 6. For use during EAST flow at George Bush Intercontinental/Houston. For WEST flow file the BNDTO RNAV Departure.
North	East	South	West			
132.25	133.6	127.12	126.67	96′	**1. RADAR required. 2. RNAV 1. 3. DME/DME/IRU or GPS required.**	

PITZZ ONE RNAV DEPARTURE (PITZZ1.PITZZ)



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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 1500′.

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

RWY	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.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to RODKL.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to RODKL.
ROUTING	
From RODKL on track 238° to PITZZ, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.	

N
NOT TO SCALE

Direct distance from George Bush Intercontinental/Houston
(Rwys 15L/R) to: JAYLO 8 NM
(Rwys 8L/R, 9, 26L/R, 27, 33L/R) to: RODKL 11 NM

CHANGES: New procedure at this airport.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-3V

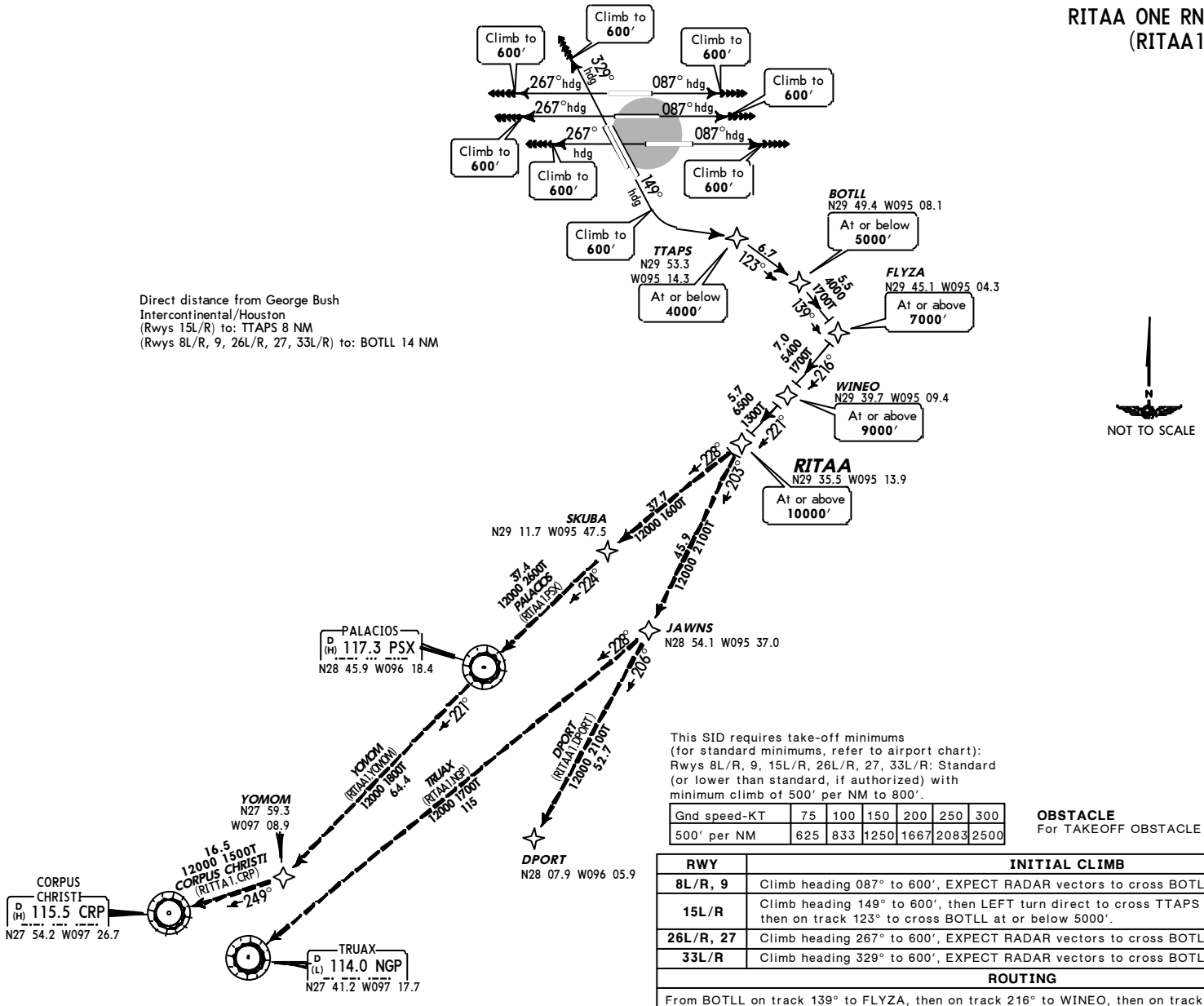
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	
132.25	133.6	127.12	126.67		

1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. For use by turbojet and turboprop aircraft only.
5. Notify ATC if unable to comply with crossing restrictions.

RITAA ONE RNAV DEPARTURE
(RITAA1.RITAA)



Direct distance from George Bush Intercontinental/Houston
(Rwys 15L/R) to: TTAPS 8 NM
(Rwys 8L/R, 9, 26L/R, 27, 33L/R) to: BOTLL 14 NM

This SID requires take-off 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 800′.

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

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

RWY	INITIAL CLIMB
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′.
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 FLYZA, then on track 216° to WINEO, then on track 221° to RITAA, then on transition. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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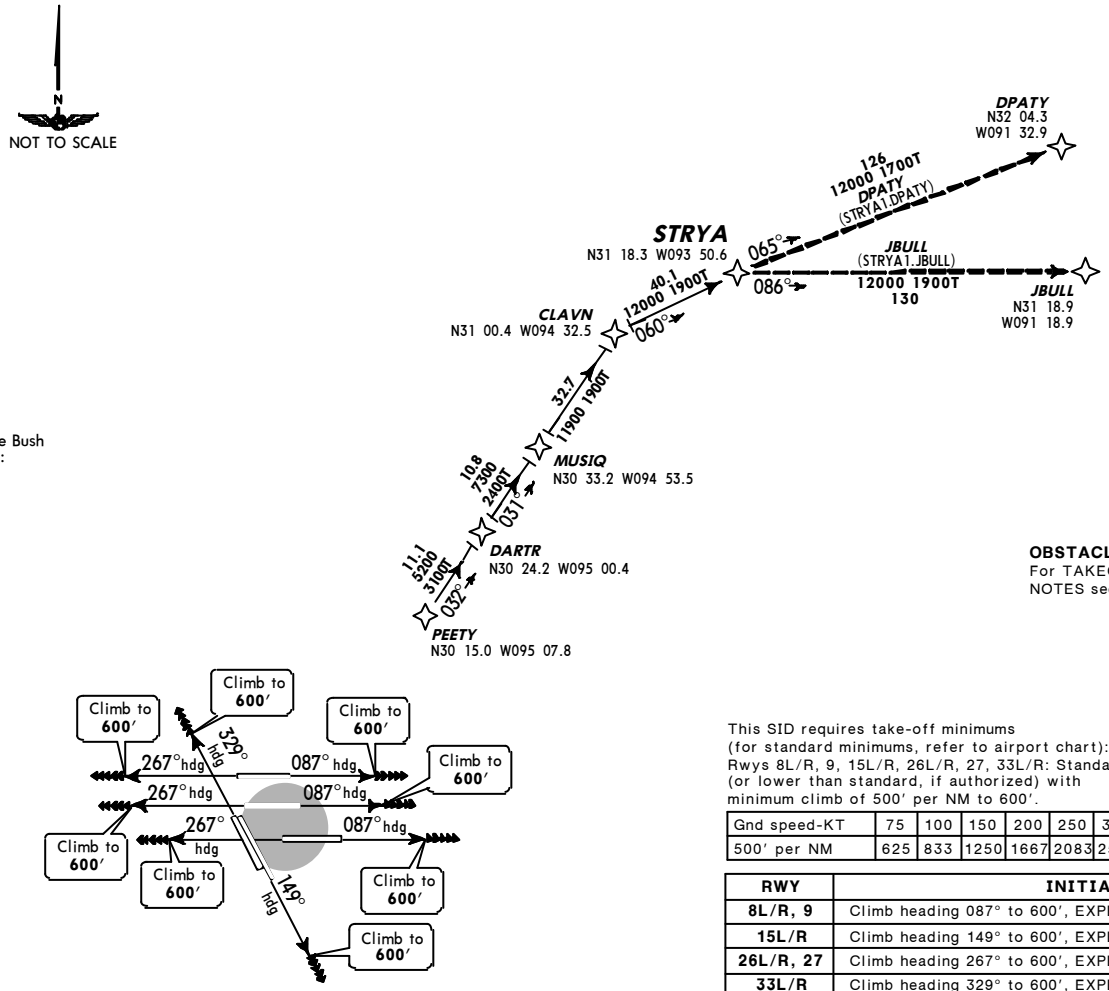
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

HOUSTON Departure (R)				Apt Elev		
North	East	South	West	96′	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
132.25	133.6	127.12	126.67			

STRYA ONE RNAV DEPARTURE
(STRYA1.STRYA)



Direct distance from George Bush Intercontinental/Houston to:
PEETY 19 NM

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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′.

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

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to PEETY.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to PEETY.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to PEETY.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to PEETY.

ROUTING

From PEETY on track 032° to DARTR, then on track 031° to MUSIQ and CLAVN, then on track 060° to STRYA, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

CHANGES: New procedure at this airport.

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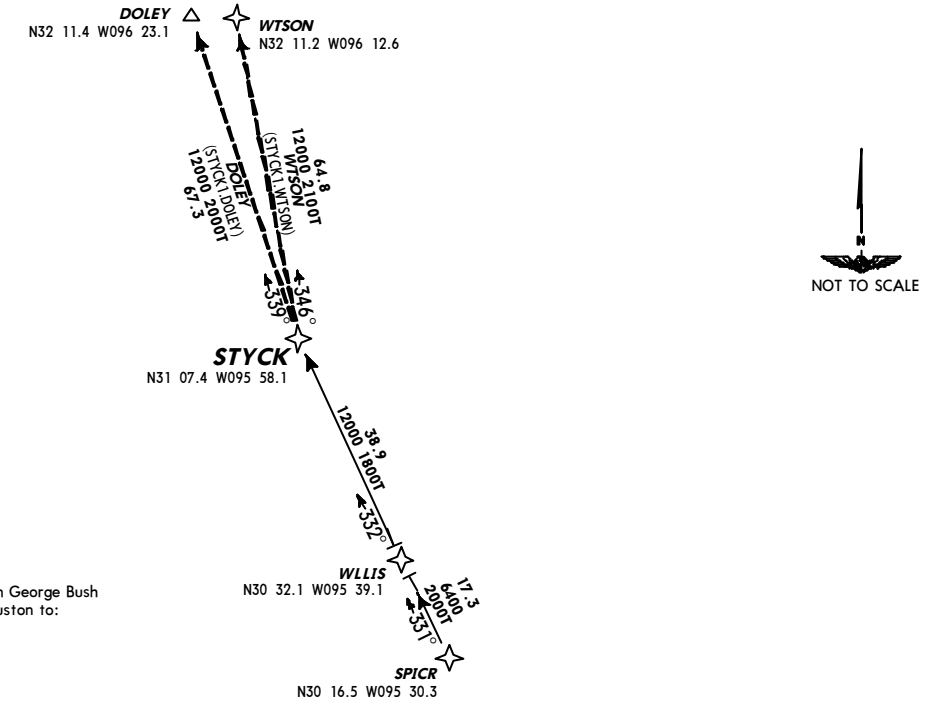
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 70-3X 23 MAY 14 Eff 29 May

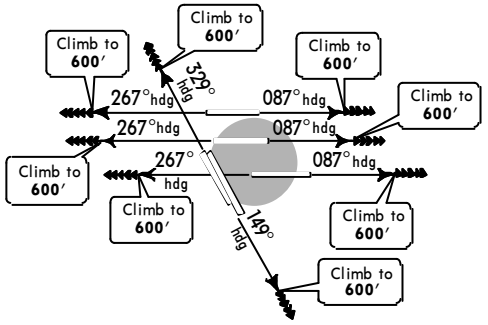
HOUSTON, TEXAS
RNAV SID

HOUSTON Departure (R)				Apt Elev		
North	East	South	West	96′	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
132.25	133.6	127.12	126.67			

STYCK ONE RNAV DEPARTURE
(STYCK1.STYCK)



Direct distance from George Bush Intercontinental/Houston to:
SPICR 19 NM



This SID requires take-off 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′.

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

OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 70-3OB1.

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to SPICR.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to SPICR.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to SPICR.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to SPICR.
ROUTING	
From SPICR on track 331° to WLLIS, then on track 332° to STYCK, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.	

CHANGES: New procedure at this airport.

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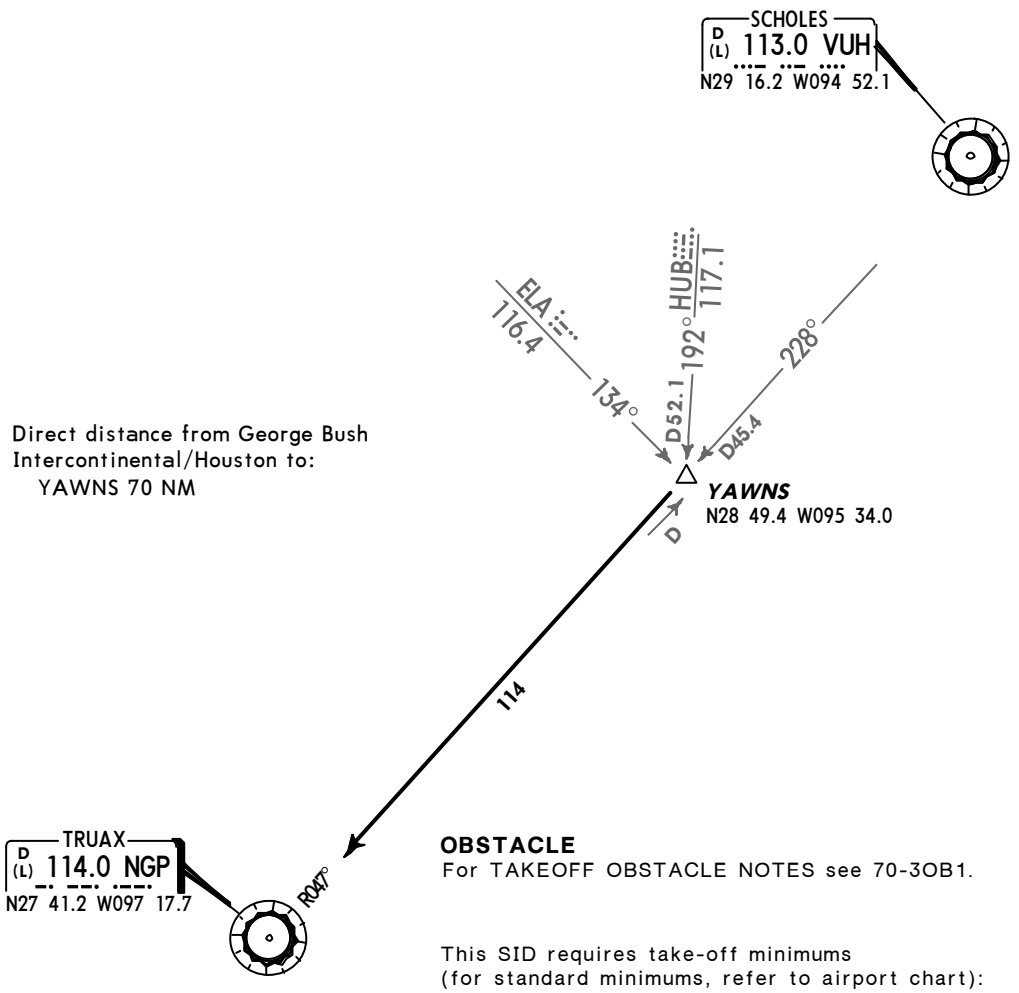
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
70-3Y
23 MAY 14
Eff 29 May

HOUSTON, TEXAS
SID

HOUSTON Departure (R)				Apt Elev	Trans level: FL180 Trans alt: 18000′
North	East	South	West	96′	**1. RADAR required.** 2. For aircraft filed FL180 and above to Rio Grande Valley area or for aircraft filed FL180 and above overflying NGP to international destinations.
132.25	133.6	127.12	126.67		

TRUAX THREE DEPARTURE (NGP3.NGP)



Direct distance from George Bush Intercontinental/Houston to:
YAWNS 70 NM

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 70-3OB1.

This SID requires take-off 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).

INITIAL CLIMB

Climb on assigned heading for RADAR vectors to YAWNS. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. Then on VUH R-228 and NGP R-047 to NGP.

CHANGES: Also serves removed, reindexed.

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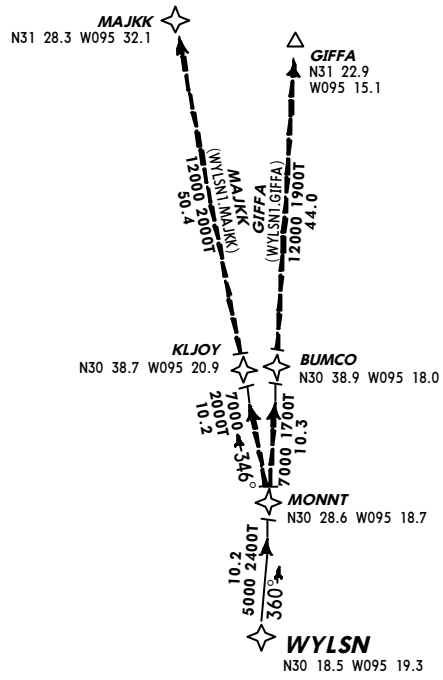
KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

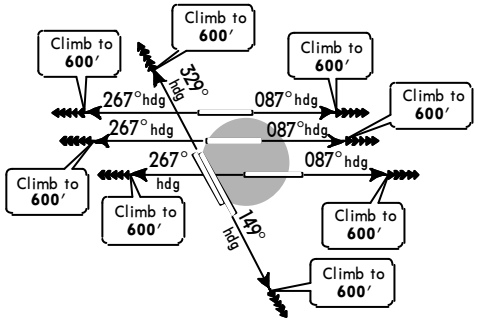
HOUSTON Departure (R) North	East	South	West	Apt Elev	Trans level: FL180	Trans alt: 18000′
132.25	133.6	127.12	126.67	96′		

1. RADAR required.
2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. MAJKK Transition ATC assigned only.

WYLSN ONE RNAV DEPARTURE
(WYLSN1.WYLSN)

Direct distance from George Bush Intercontinental/Houston to:
WYLSN 19 NM





This SID requires take-off 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′.

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

OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 70-3OB1.

RWY	INITIAL CLIMB
8L/R, 9	Climb heading 087° to 600′, EXPECT RADAR vectors to WYLSN.
15L/R	Climb heading 149° to 600′, EXPECT RADAR vectors to WYLSN.
26L/R, 27	Climb heading 267° to 600′, EXPECT RADAR vectors to WYLSN.
33L/R	Climb heading 329° to 600′, EXPECT RADAR vectors to WYLSN.
ROUTING	
From WYLSN on track 360° to MONNT, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.	

CHANGES: New procedure at this airport.

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KIAH/IAH

Apt Elev 96′
N29 59.1 W095 20.5

JEPPESEN
23 MAY 14 (70-9) Eff 29 May

HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON

D-ATIS	ACARS: D-ATIS TWIP PDC	HOUSTON Clearance	Ground: Rwys 15L/33R, 15R/33L	Ground: Rwys 8L/26R, 8R/26L, 9/27
124.05		128.1	121.7	118.575

Tower: Rwy 8L/26R	Tower: Rwy 8R/26L	Tower: Rwy 9/27	Tower: Rwys 15L/33R, 15R/33L	HOUSTON Departure (R): West	HOUSTON Departure (R): North	HOUSTON Departure (R): East	HOUSTON Departure (R): South	RAMP CONTROL: North/West	RAMP CONTROL: East
120.72	125.35	135.15	127.3	126.67	132.25	133.6	127.12	130.82	131.27

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

Rwy 8L closed to arrivals and departures 2200-0600.
Rwy 26R closed to departures 2200-0600.

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).

AIRCRAFT RESCUE & FIRE FIGHTING

NJ Taxilane between Spot 10 and the North Ramp connector closed to wingspans over 135′ (41m).

North ramp north AND south taxilanes closed to aircraft with wingspans greater than 125′ (38m).

North ramp taxilane between Twys NF & NR closed to aircraft with wingspans greater than 125′ (38m).

Twy WW run up pad for Rwy 15L closed to aircraft with wingspans 135′ (41m) and greater.

NORTH RAMP CONNECTOR
North ramp connector closed to aircraft with wingspans greater than 125′ (38m).

EAST BRIDGE

Twy SF between the south ramp and Twy NB is designated a non-movement area.

Twys RA, R2 & SC North of Twy SB are designated non-movement areas operated by COA ramp control.

Twy SF between Rwy 9/27 up to and including the East Bridge closed to aircraft with wingspan 215′ (66m) and greater.

TWY RA BRIDGE

TWY RB BRIDGE

AIRCRAFT RESCUE & FIRE FIGHTING

Twy NR closed to aircraft with wingspans greater than 125′ (38m) between Twy WD and Twy WB.

AIRCRAFT RESCUE & FIRE FIGHTING

Twy WC is restricted to aircraft with a wingspan of 118′ (36m) and below.

Twy SC closed to aircraft with wingspans 215′ (66m) and greater.

Twy RC closed to aircraft with wingspans greater than 135′ (41m).

Rwy 9/27 closed to aircraft with wingspans 215′ (66m) and greater.

Expressway lights paralleling Rwy 33R may be mistaken for Rwy lights on Rwy 15L-33R.

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 WL from Rwy 15L to Twy WB. Twy WM.

Rwy 15L/33R magnetic anomalies may affect compass heading for take-off.

Twys WA and WB magnetic anomalies may affect compass heading.

Feet 0 1000 2000 3000 4000 5000
Meters 0 500 1000 1500

CHANGES: Ramp frequencies, ground frequencies, airport elev.

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GENERAL

CAUTION: Bright lights 1 NM from threshold and 900' south of centerline Rwy 26L.
Birds in vicinity of airport.
Terminal Doppler Weather Radar.
ASDE-X surveillance system in use. Pilots should operate transponders with Mode C on all taxiways and runways.
Runway Status Lights are in operation.

ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS — LANDING BEYOND — Threshold	Glide Slope	LAHSO Distance	TAKE-OFF	WIDTH
8L ❶ 26R	HIRL CL ALSF-II TDZ RVR		7861'*2396m* 7860'*2396m*			150' *46m*
8R ❶ 26L	HIRL CL MALSR TDZ PAPI-L (angle 3.0°) RVR HIRL CL ALSF-II TDZ PAPI-R (angle 3.0°) RVR		8362'*2549m* 8360'*2548m*	Twy NP 9019'*2749m* Twy NE 9010'*2746m*		150' *46m*
9 ❶ 27	HIRL CL MALSR PAPI-R (angle 3.0°) RVR HIRL CL ALSF-II TDZ PAPI-L (angle 3.0°) RVR		8936'*2724m* 8965'*2733m*			150' *46m*
15L ❶ 33R	HIRL CL PAPI-R (angle 3.0°) RVR HIRL CL MALSR RVR		 10,971'*3344m*			150' *46m*
15R ❶ 33L	HIRL CL MALSR TDZ PAPI-L (angle 3.0°) RVR HIRL CL TDZ PAPI-R (angle 3.0°) RVR		8874'*2705m* 			150' *46m*

❶ Grooved.

TAKE-OFF

All Rwys

2 operating RVRs are required All operating RVRs are controlling		Adequate Vis Ref	STD	
CL & HIRL	CL, or RCLM & HIRL		3 & 4 Eng	1 & 2 Eng
TDZ RVR 5 Mid RVR 5 Rollout RVR 5	TDZ RVR 10 Mid RVR 10 Rollout RVR 10	RVR 16 or 1/4	RVR 24 or 1/2	RVR 50 or 1

FOR FILING AS ALTERNATE

	ILS Rwy 8L ILS Rwy 9 ILS Rwy 15R ILS Rwy 26R ILS Rwy 27 ILS Rwy 33R	LOC Rwy 8L LOC Rwy 9 LOC Rwy 15R LOC Rwy 26R LOC Rwy 27 LOC Rwy 33R RNAV (GPS) Z Rwy 8L RNAV (GPS) Z Rwy 8R RNAV (GPS) Z Rwy 9 RNAV (GPS) Rwy 15R	RNAV (GPS) Z Rwy 26L RNAV (GPS) Z Rwy 26R RNAV (GPS) Z Rwy 27 RNAV (GPS) Rwy 33R RNAV (RNP) Y Rwy 8L RNAV (RNP) Y Rwy 8R RNAV (RNP) Y Rwy 9 RNAV (RNP) Y Rwy 26L RNAV (RNP) Y Rwy 26R RNAV (RNP) Y Rwy 27	ILS Rwy 26L LOC Rwy 26L	ILS Rwy 8R LOC Rwy 8R	GLS Rwy 8L GLS Rwy 8R GLS Rwy 9 GLS Rwy 26L GLS Rwy 26R GLS Rwy 27
A	600-2	800-2		800-2	900-2	NA
B						
C				800-2½	900-2½	
D						

AMEND 2

CHANGES: Usable lengths, alternate minimums.

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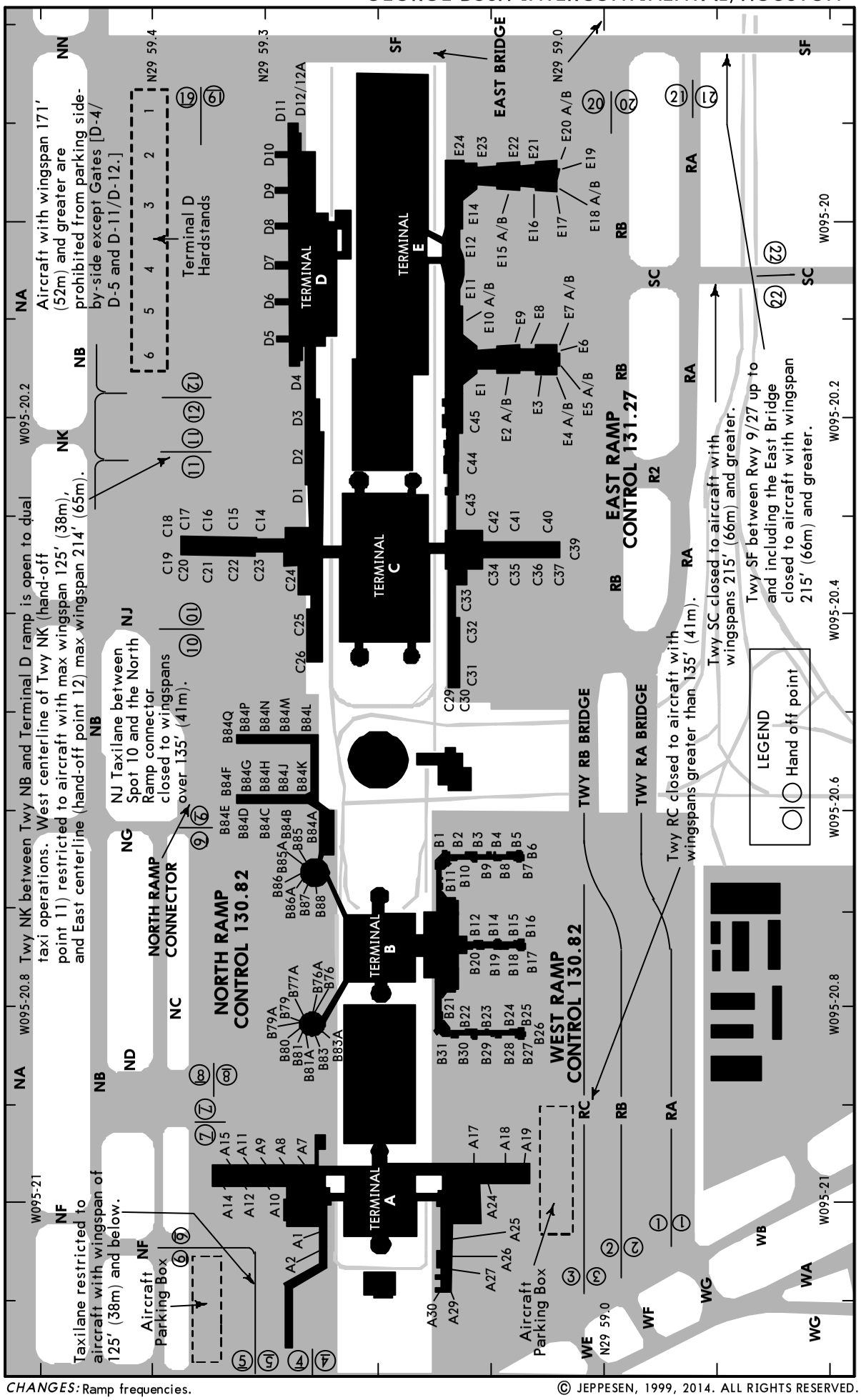
KIAH/IAH

JEPPESEN
23 MAY 14 (70-9B)

HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON



CHANGES: Ramp frequencies.

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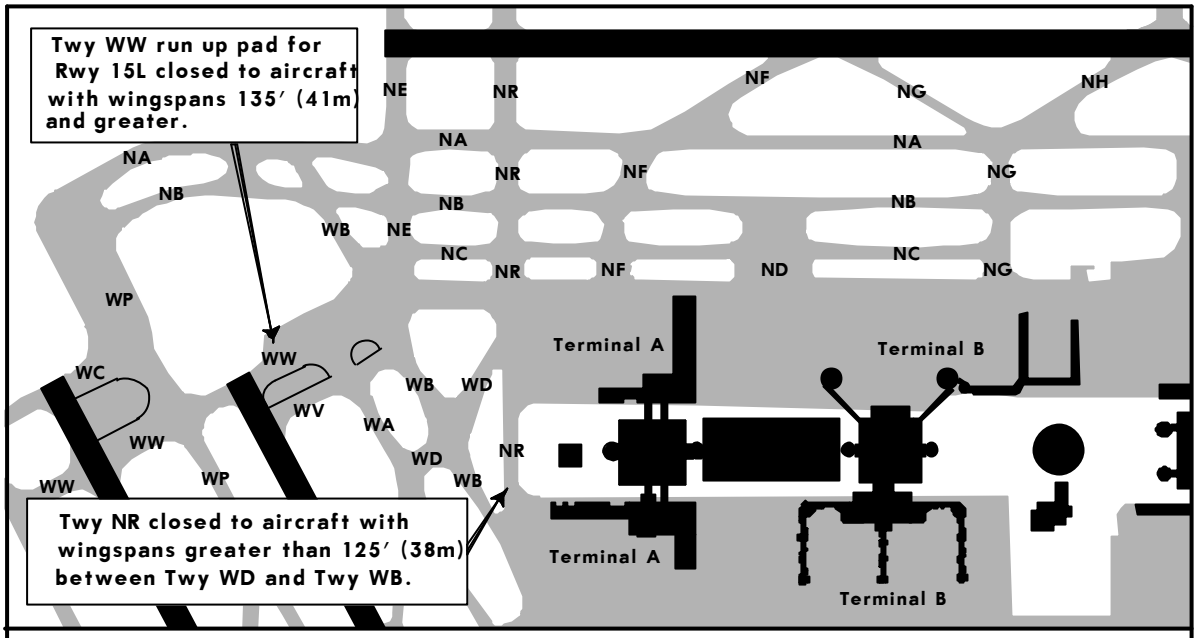
KIAH/IAH

JEPPESEN
23 MAY 14 (70-9C)

HOUSTON, TEXAS

GEORGE BUSH INTERCONTINENTAL/HOUSTON



PARKING GATE COORDINATES

GATE	COORDINATES
TERMINAL A	
1	N29 59.3 W095 21.0
2	N29 59.3 W095 21.1
7 thru 12, 14, 15	N29 59.3 W095 21.0
17 thru 19, 24, 25	N29 59.1 W095 21.0
26, 27, 29, 30	N29 59.1 W095 21.1
TERMINAL B	
1 thru 6	N29 59.1 W095 20.6
7 thru 12	N29 59.1 W095 20.7
14 thru 20	N29 59.1 W095 20.7
21 thru 31	N29 59.1 W095 20.8
76	N29 59.2 W095 20.8
76A, 77A	N29 59.3 W095 20.8
79, 79A	N29 59.3 W095 20.8
80, 81, 81A, 83	N29 59.3 W095 20.8
83A	N29 59.2 W095 20.8
85, 85A	N29 59.3 W095 20.6
86, 86A, 87, 88	N29 59.3 W095 20.7
84A thru 84H	N29 59.3 W095 20.6
84J, 84K	N29 59.3 W095 20.6
84L thru 84N	N29 59.3 W095 20.5
84P, 84Q	N29 59.3 W095 20.5
TERMINAL C	
14, 15	N29 59.3 W095 20.3
16 thru 21	N29 59.4 W095 20.3
22, 23	N29 59.3 W095 20.3
24 thru 26	N29 59.3 W095 20.4
29 thru 31	N29 59.1 W095 20.5
32, 33	N29 59.1 W095 20.4
34 thru 36	N29 59.1 W095 20.3
37, 39, 40	N29 59.0 W095 20.3
41 thru 43	N29 59.1 W095 20.3
44, 45	N29 59.1 W095 20.2

GATE	COORDINATES
TERMINAL D (INTERNATIONAL)	
1	N29 59.3 W095 20.3
2 thru 4	N29 59.3 W095 20.2
5, 6	N29 59.3 W095 20.1
7 thru 9	N29 59.3 W095 20.0
10 thru 12, 12A	N29 59.3 W095 19.9
TERMINAL D HARDSTANDS	
1, 2	N29 59.4 W095 19.9
3, 4	N29 59.4 W095 20.0
5,6	N29 59.4 W095 20.1
TERMINAL E	
1, 2 A/B, 3	N29 59.1 W095 20.2
4 A/B	N29 59.0 W095 20.2
5 A/B, 6, 7 A/B	N29 59.0 W095 20.1
8, 9, 10 A/B, 11	N29 59.1 W095 20.1
12, 14, 15 A/B, 16	N29 59.1 W095 20.0
17, 18 A/B	N29 59.0 W095 20.0
19, 20 A/B	N29 59.0 W095 19.9
21 thru 24	N29 59.1 W095 19.9

CHANGES: None.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

RVR 1200 TO 600

JEPPESEN
23 MAY 14 (70-9D)

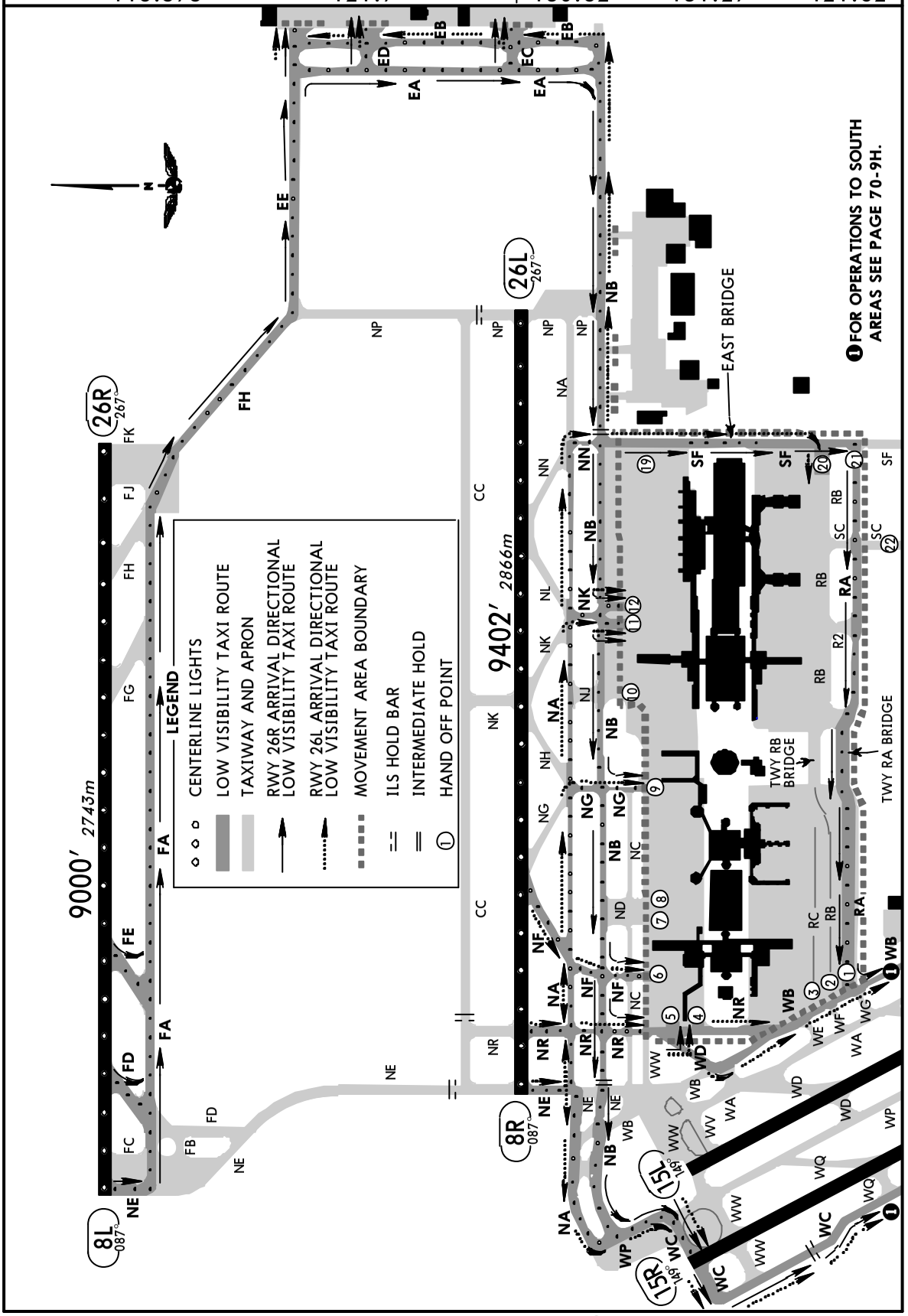
SMGCS

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

RWY 26L & 26R ARRIVAL

D-ATIS	HOUSTON Approach (R)		Tower			
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3

Ground		RAMP CONTROL		
Rwys 8L/26R 8R/26L, 9/27	Rwys 15L/33R, 15R/33L	North	East	West
118.575	121.7	130.82	131.27	121.62



CHANGES: Ground frequencies.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

RVR 1200 TO 600

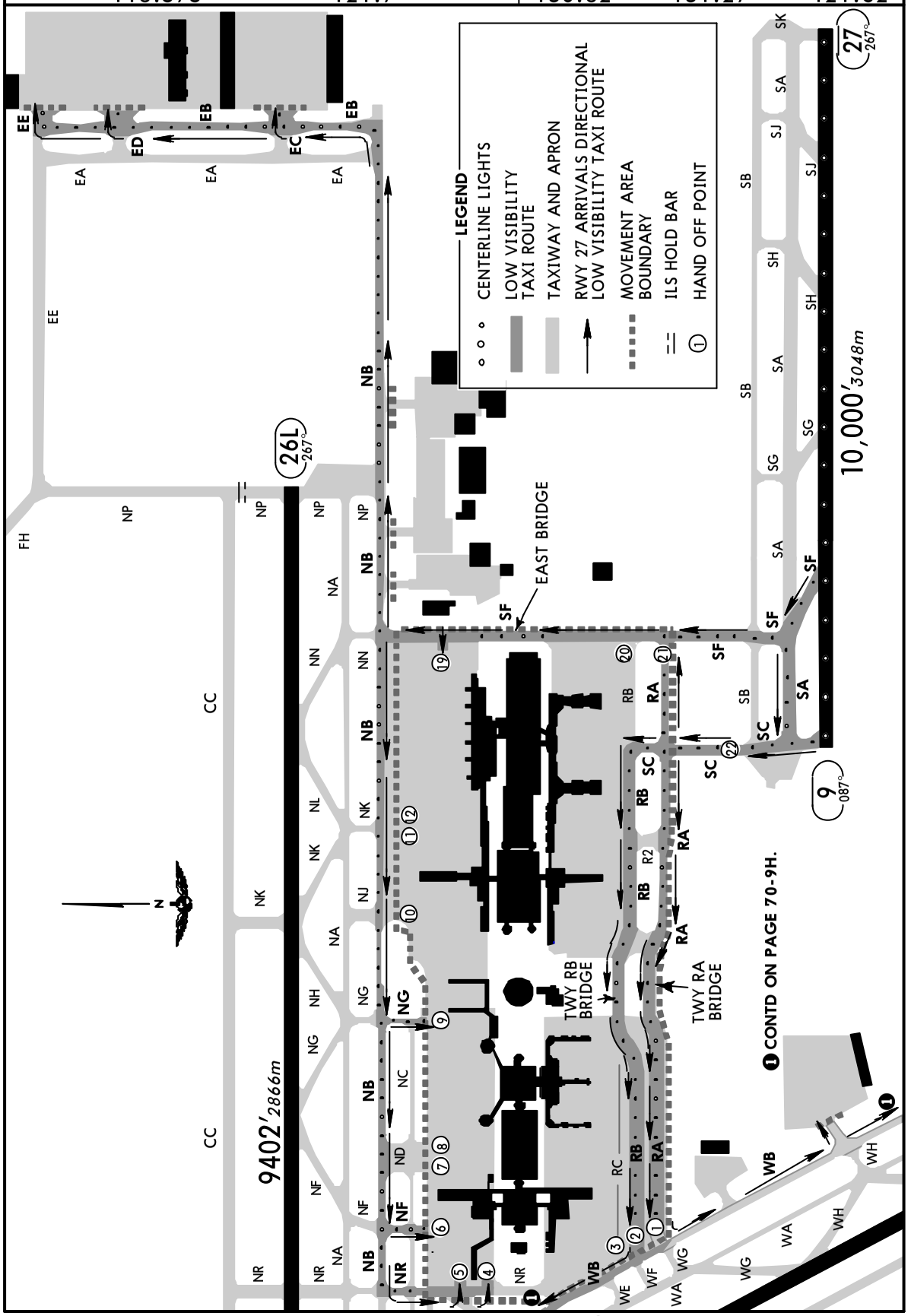
JEPPESEN
23 MAY 14 (70-9E)

SMGCS

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES
RWY 27 ARRIVAL

D-ATIS	HOUSTON Approach (R)		Tower			
	West	East	Rwy 9/27	Rwy 8L/26R	Rwy 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	120.72	125.35	127.3

Ground		RAMP CONTROL		
Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L	North	East	West
118.575	121.7	130.82	131.27	121.62



CHANGES: Ground frequencies.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (70-9F)

SMGCS

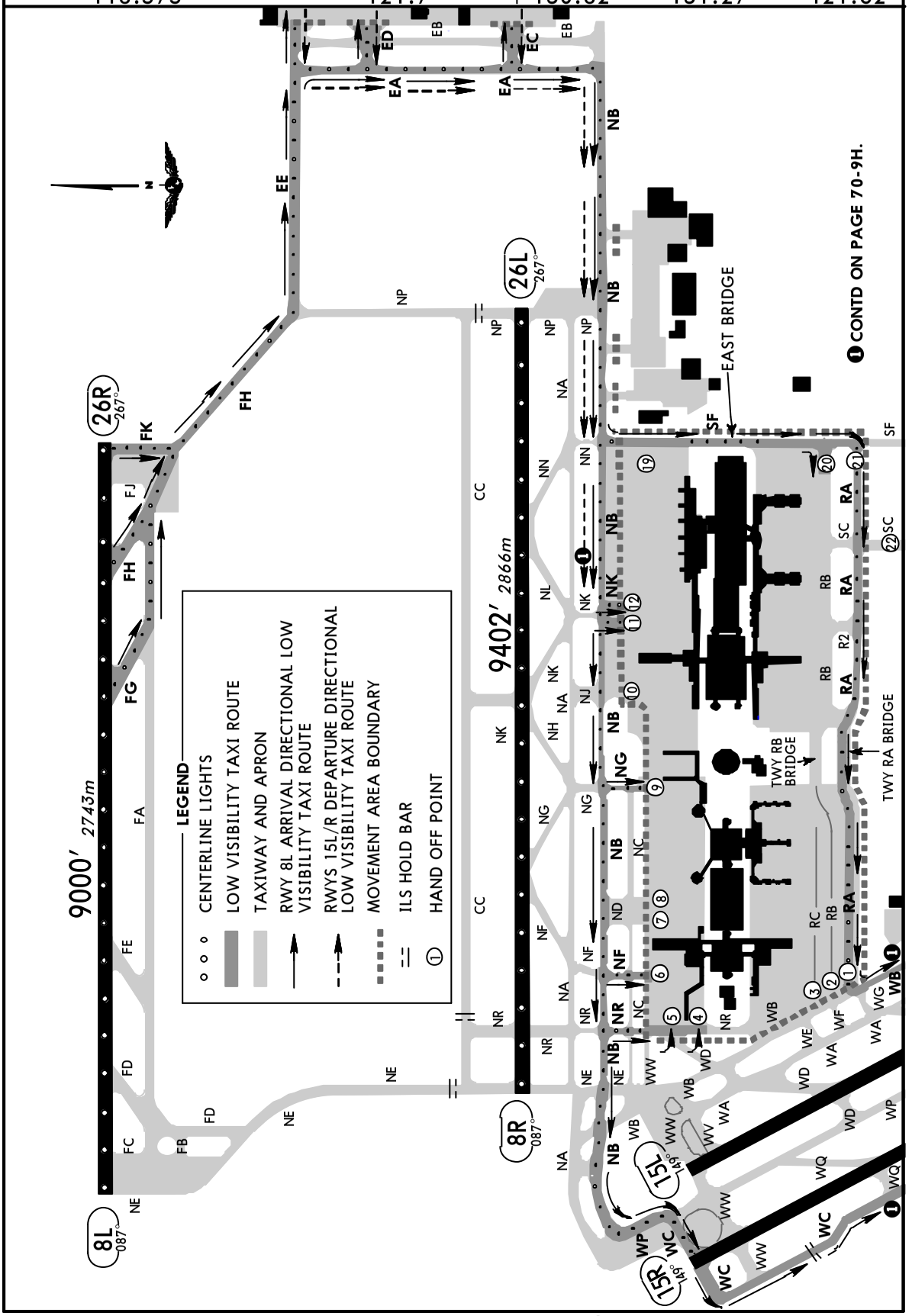
HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

RVR 1200 TO 600

RWY 8L ARRIVAL

D-ATIS	HOUSTON Approach (R)		Tower			
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3

Ground		RAMP CONTROL		
Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L	North	East	West
118.575	121.7	130.82	131.27	121.62



CHANGES: Ground frequencies.

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KIAH/IAH

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

RVR 1200 TO 600

JEPPESEN
23 MAY 14 (70-9G)

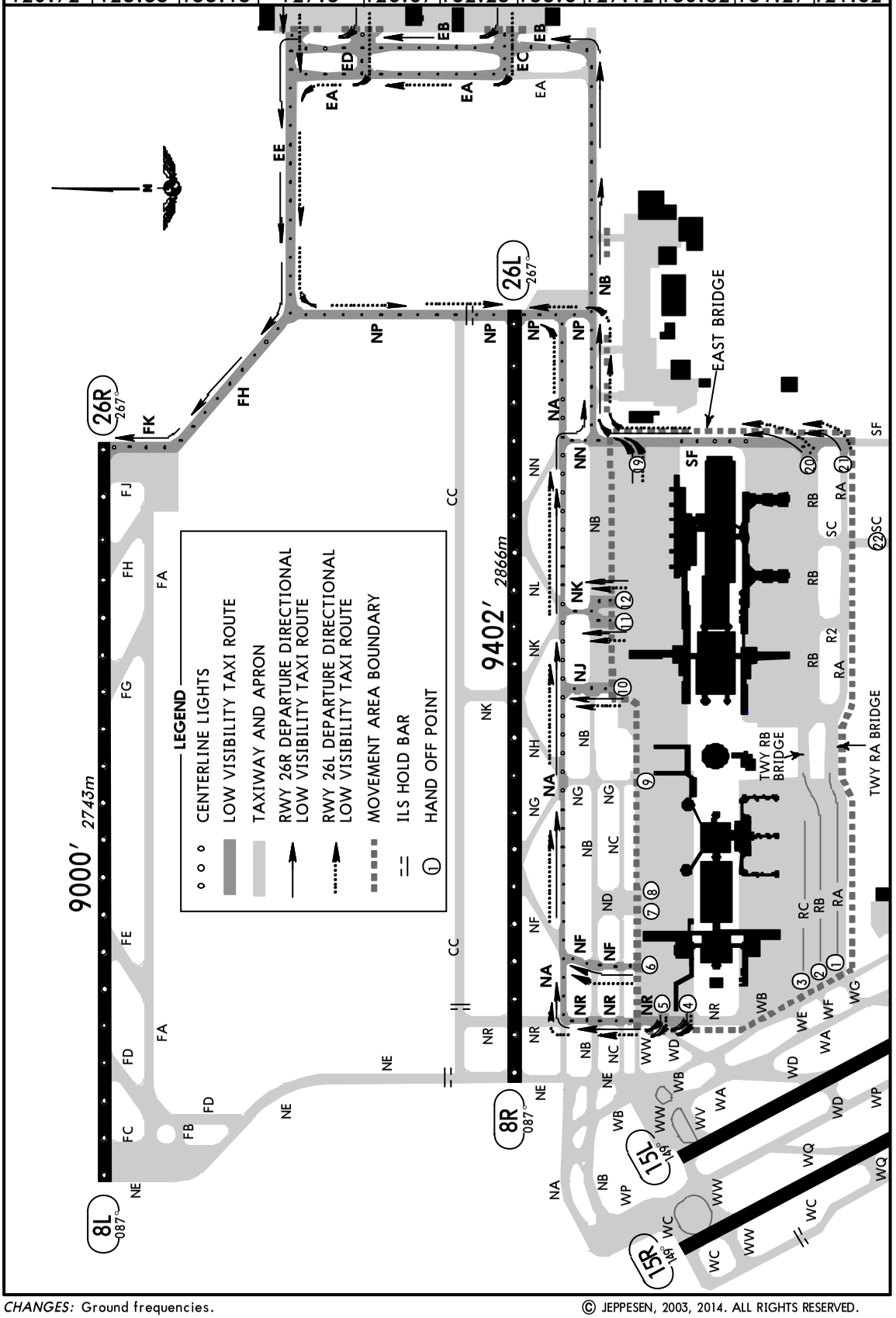
SMGCS

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

RWY 26L & 26R DEPARTURE

D-ATIS	ACARS: D-ATIS TWIP PDC	HOUSTON Clearance	Rwys 8L/26R, 8R/26L, 9/27	Ground	Rwys 15L/33R, 15R/33L
124.05		128.1	118.575		121.7

Tower			Rwys 15L/33R, 15R/33L	HOUSTON Departure (R)				RAMP CONTROL		
Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27		West	North	East	South	North	East	West
120.72	125.35	135.15	127.3	126.67	132.25	133.6	127.12	130.82	131.27	121.62



CHANGES: Ground frequencies.

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KIAH/IAH

GEORGE BUSH
INTERCONTINENTAL/HOUSTON

RVR 1200 TO 600

JEPPESEN
23 MAY 14 (70-9H)

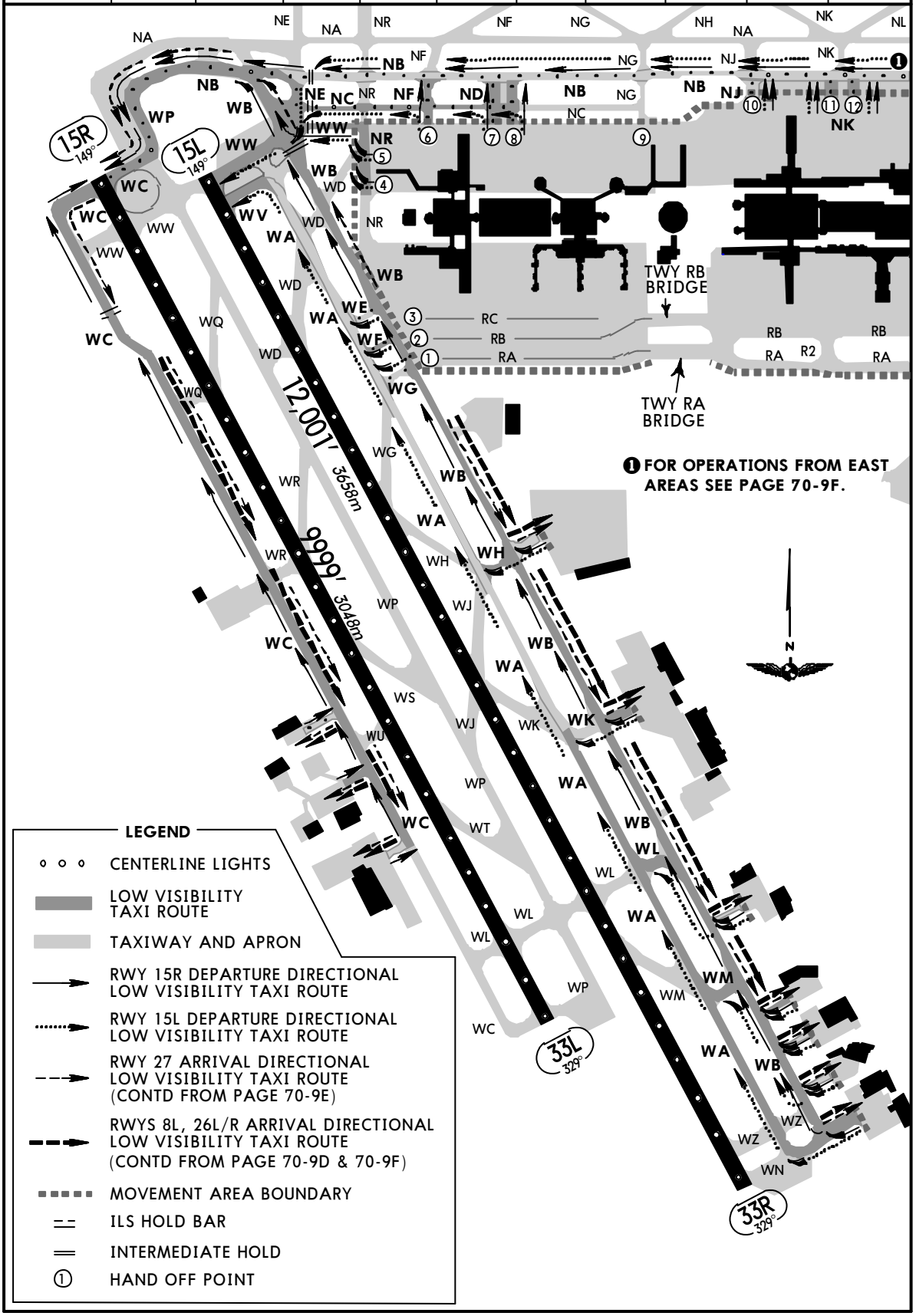
SMGCS

HOUSTON, TEXAS
LOW VISIBILITY TAXI ROUTES

ARRIVALS AND DEPARTURES (SEE LEGEND BELOW)

D-ATIS	ACARS: D-ATIS TWIP PDC	HOUSTON Clearance	Ground Rwys 15L/33R, 15R/33L	Ground Rwys 8L/26R, 8R/26L, 9/27
124.05		128.1	121.7	118.575

Tower Rwys 15L/33R, 15R/33L	Tower Rwy 8L/26R	Tower Rwy 8R/26L	Tower Rwy 9/27	HOUSTON Departure (R) West	HOUSTON Departure (R) North	HOUSTON Departure (R) East	HOUSTON Departure (R) South	RAMP CONTROL North	RAMP CONTROL East	RAMP CONTROL West
127.3	120.72	125.35	135.15	126.67	132.25	133.6	127.12	130.82	131.27	121.62



CHANGES: Ground frequencies.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14 (71-1) Eff 29 May

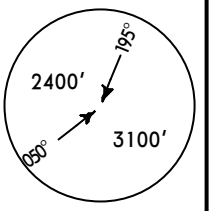
HOUSTON, TEXAS
ILS or LOC Rwy 8L

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

LOC IBZU	Final Apch Crs	GS JACEN	ILS DA(H)	Apt Elev 96′
111.55	087°	2000′ (1909′)	291′ (200′)	Rwy 8L 91′

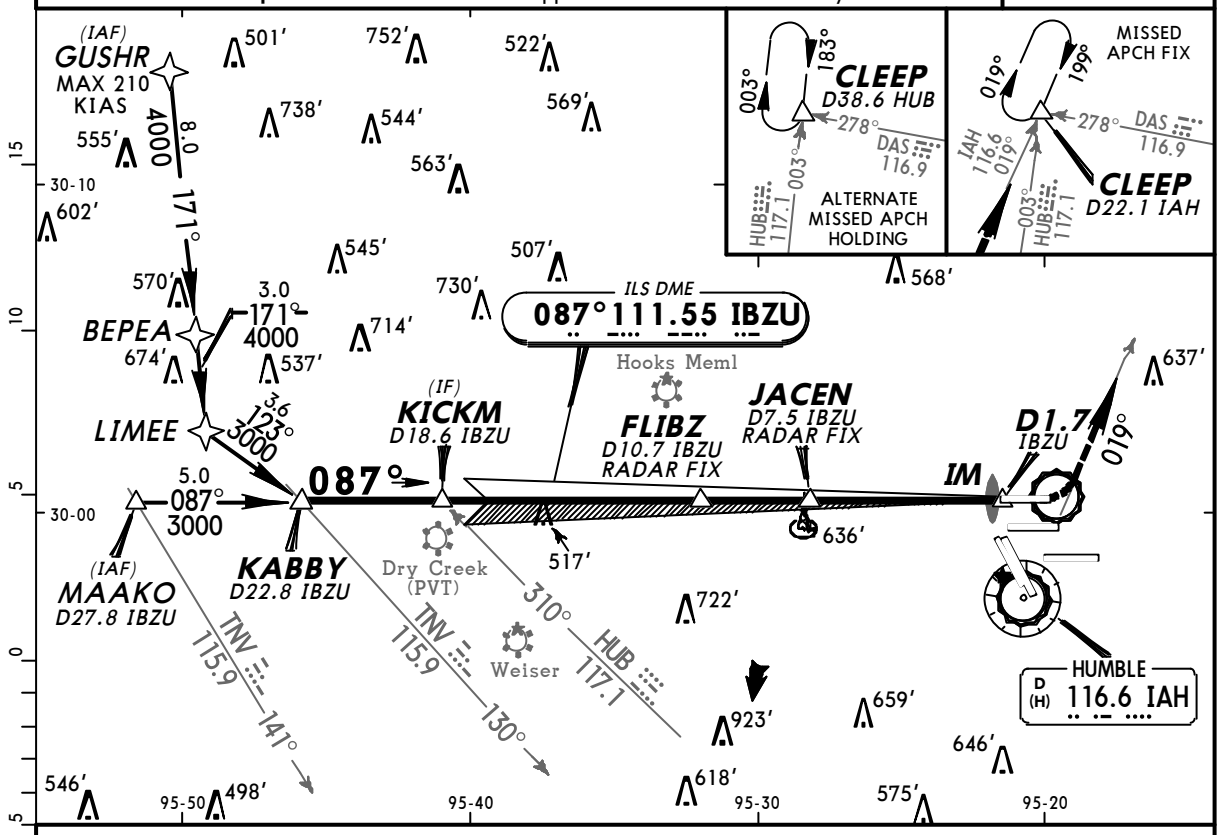
MISSED APCH: Climb to 600′ then climbing LEFT turn to 4000′ outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold, or as directed by ATC.

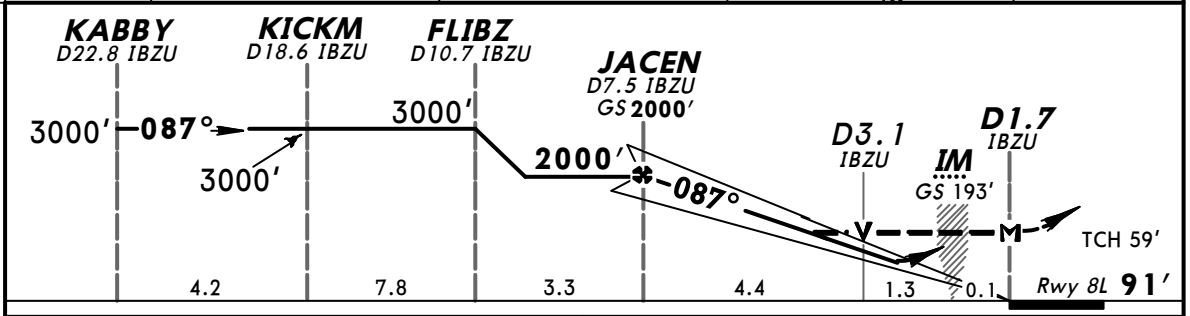


MSA IAH VOR

Alt Set: INCHES | Trans level: FL 180 | Trans alt: 18000′

1. GPS or Radar required. 2. Simultaneous approach authorized with Rwys 8R and 9.





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849
MAP at D1.7 IBZU or JACEN to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10

ALSF-II | 600′ | 4000′ LT on IAH 116.6 R-019 | CLEEP

TERPS STRAIGHT-IN LANDING RWY **8L**

TERPS AMEND 4 29 MAY 2014

	ILS DA(H) 291′ (200′)			LOC (GS out) MDA(H) 600′ (509′)	
	FULL	TDZ or CL out	ALS out		ALS out
A B	RVR 18 or 3/8	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 55 or 1
C D				RVR 55 or 1	1 3/8

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

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14
Eff 29 May
71-1A

HOUSTON, TEXAS
ILS Rwy 8L CAT II & III

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

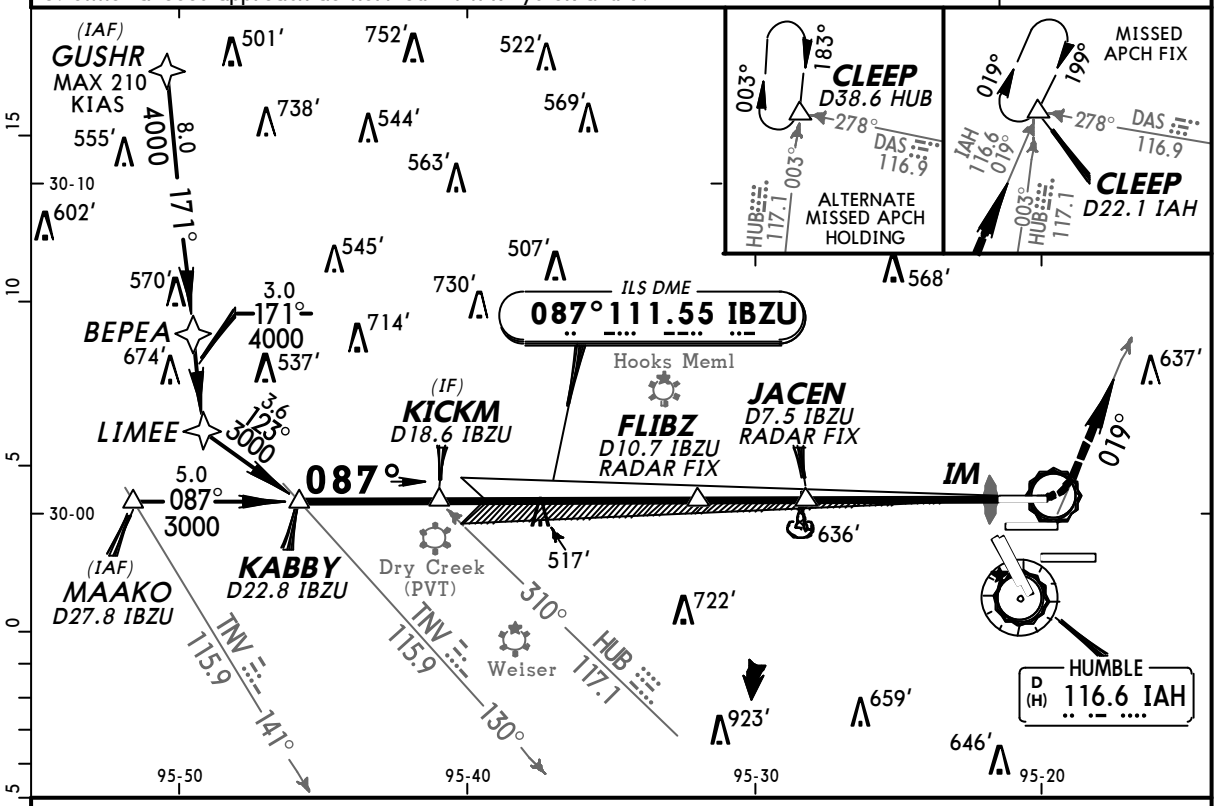
LOC	Final Apch Crs	GS JACEN	CAT IIIC	CAT IIIB	CAT IIIA	CAT II ILS	Apt Elev
IBZU 111.55	087°	2000′ (1909′)	NA	Refer to Minimums		RA 104′ DA(H) 191′(100′)	96′ Rwy 8L 91′

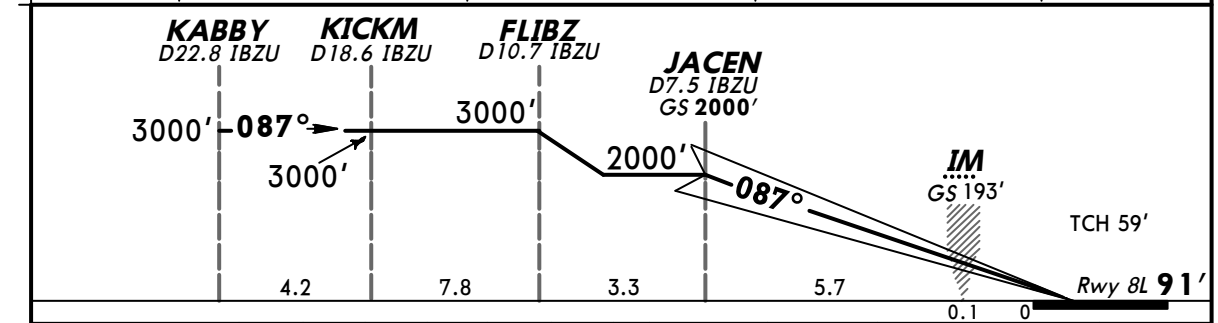
MISSED APCH: Climb to 600′ then climbing LEFT turn to 4000′ outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold, or as directed by ATC.

MSA IAH VOR: 195° 2400′ 3100′ 050°

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

1. Special Aircrew & Aircraft Certification Required. 2. GPS or Radar required.
3. Simultaneous approach authorized with Rwys 8R and 9.





Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849

ALSF-II | 600′ | 4000′ LT | IAH on 116.6 R-019 | CLEEP

TERPS STRAIGHT-IN LANDING RWY**8L**

CAT IIIC ILS	CAT IIIB ILS	CAT IIIA ILS	CAT II ILS RA 104′ DA(H) 191′(100′)
NA	RVR 6	RVR 7	1 RVR 12

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

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14
Eff 29 May
71-1B

HOUSTON, TEXAS
ILS Rwy 8L SA CAT I

BRIEFING STRIP ™

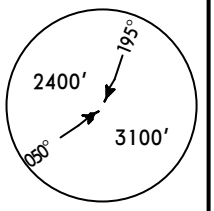
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7

LOC	Final	GS	SA CAT I ILS	
IBZU	Apch Crs	JACEN	RA 157′	Apt Elev 96′
111.55	087°	2000′ (1909′)	DA(H) (241′) (150′)	Rwy 8L 91′

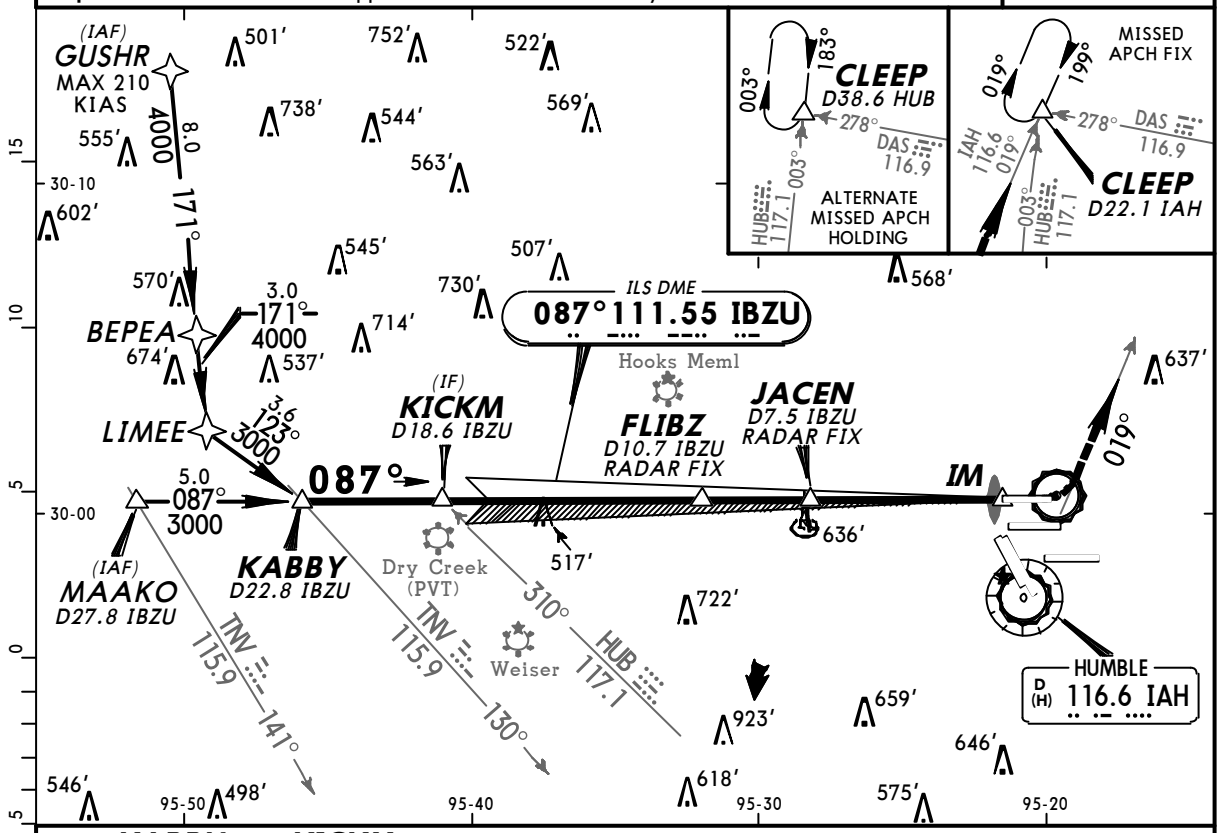
MISSED APCH: Climb to 600′ then climbing LEFT turn to 4000′ outbound on IAH VOR R-019 to CLEEP INT/D22.1 IAH and hold, or as directed by ATC.

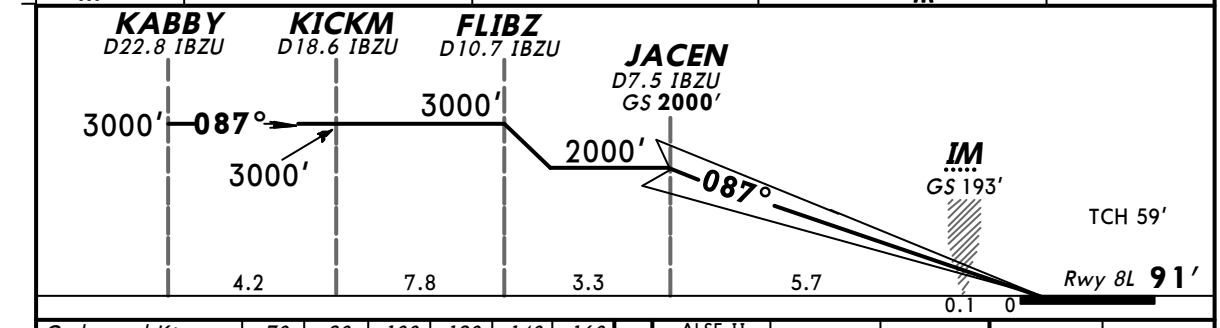
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew and Aircraft Certification Required. 2. GPS or Radar required. 3. Simultaneous approach authorized with Rwys 8R and 9.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

ALSF-II

600′

4000′ LT on IAH 116.6 R-019

CLEEP

TERPS

STRAIGHT-IN LANDING RWY **8L**
1 **SA CAT I ILS**
RA 157′
DA(H) **241′** (150′)

RVR 14

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

TERPS AMEND 4 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (71-2) Eff 29 May

HOUSTON, TEXAS
ILS or LOC Rwy 8R

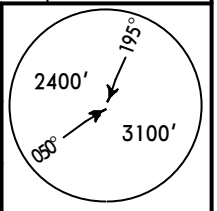
BRIEFING STRIP ™

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

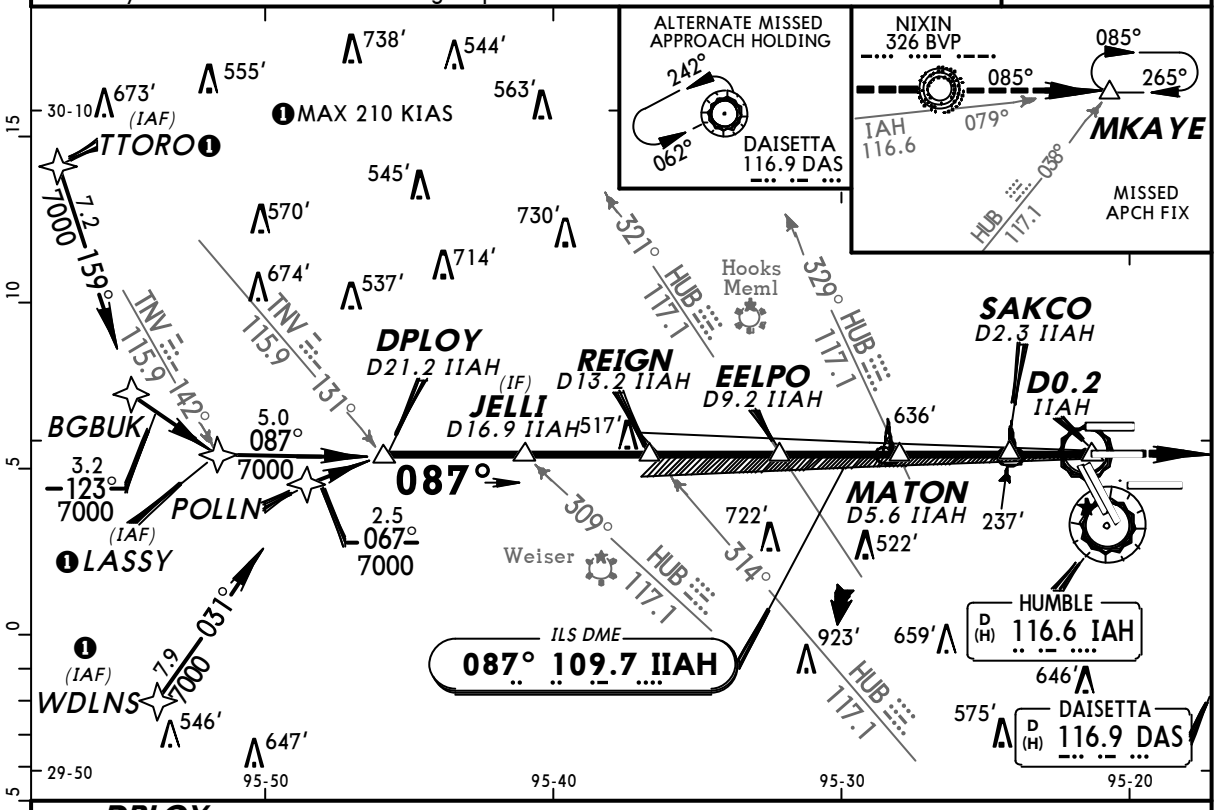
LOC	Final	GS	ILS	
IIAH	Apch Crs	MATON	DA(H)	Apt Elev 96′
109.7	087°	2000′ (1905′)	295′ (200′)	Rwy 8R 95′

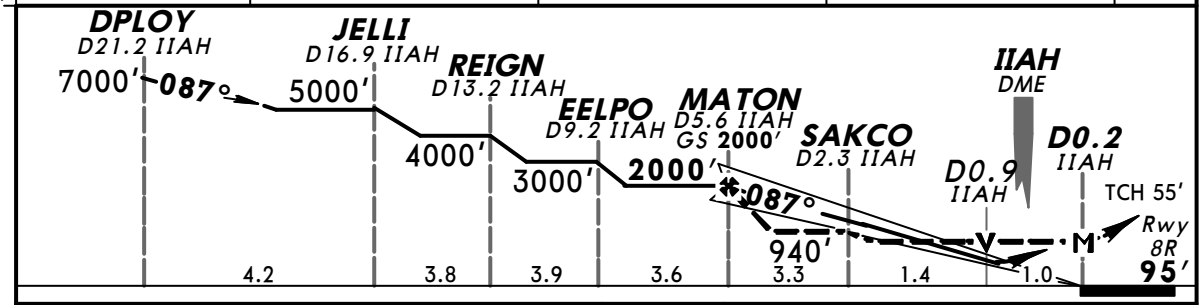
MISSED APCH: Climb to 3000′ on BVP NDB bearing 085° to MKAYE INT and hold, or as directed by ATC.

Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′
1. ADF required. 2. GPS or Radar required. 3. Simultaneous approach authorized with Rwys 8L and 9. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849
MAP at D0.2 IIAH or							
MATON to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10

MALSR
PAPI
3000′ on BVP 326 085°
MKAYE

TERPS

STRAIGHT-IN LANDING RWY 8R

	ILS DA(H) 295′ (200′)			LOC (GS out) MDA(H) 500′ (405′) 2 With SAKCO			LOC (GS out) MDA(H) 940′ (845′) Without SAKCO		
	FULL	TDZ or CL out	RAIL or ALS out		RAIL out	ALS out		RAIL out	ALS out
A	RVR 18 or 3/8	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1
B							RVR 40 or 3/4	RVR 55 or 1	RVR 60 or 1 1/4
C				RVR 40 or 3/4	RVR 50 or 1	RVR 60 or 1 1/8	1 7/8	2	2 1/2
D									

TERPS AMEND 25 29 MAY 2014

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

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14
Eff 29 May
71-2A

HOUSTON, TEXAS
ILS Rwy 8R SA CAT I

BRIEFING STRIP TM

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

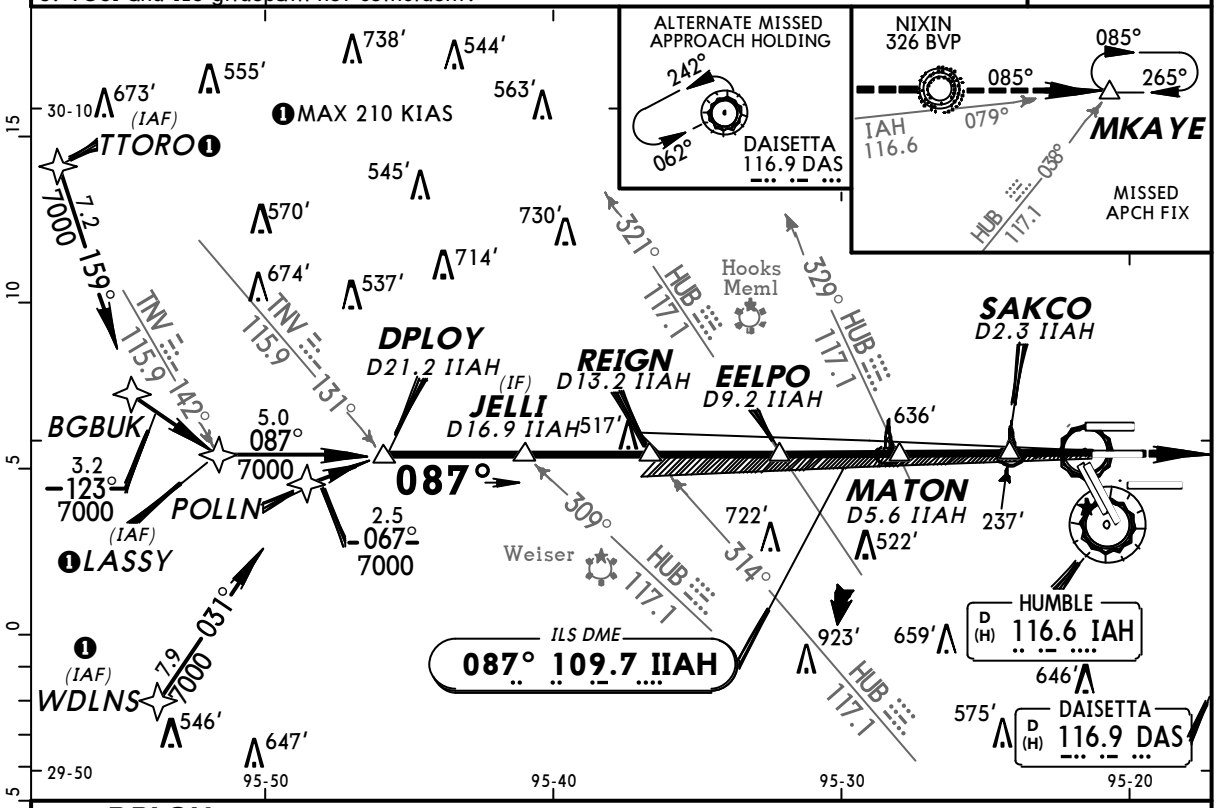
LOC	Final	GS	SA CAT I ILS	Apt Elev 96′
IIAH	Apch Crs	MATON	RA 152′	Rwy 8R 95′
109.7	087°	2000′ (1905′)	DA(H)245′ (150′)	

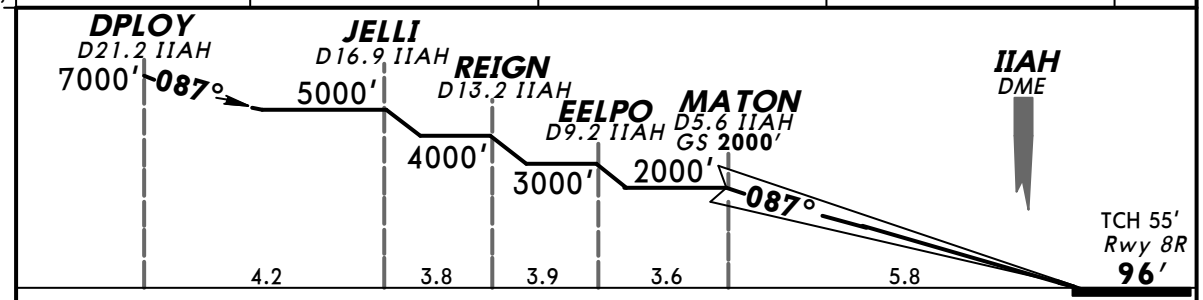
MISSED APCH: Climb to 3000′ on BVP NDB bearing 085° to MKAYE INT and hold, or as directed by ATC.

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

1. Special Aircrew and Aircraft Certification Required. 2. ADF required.
3. GPS or Radar Required. 4. Simultaneous approach authorized with Rwys 8L and 9.
5. VGSI and ILS glidepath not coincident.

MSA IAH VOR
195° 2400′ 3100′ 050°





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

MALSR
PAPI
3000′ on
BVP 326 085°
MKAYE

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 25 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14
Eff 29 May
71-2B

HOUSTON, TEXAS
ILS Rwy 8R SA CAT II

BRIEFING STRIP TM

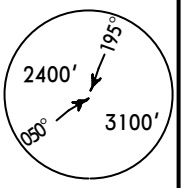
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.72	135.15	127.3	118.575	121.7

LOC	Final	GS	SA CAT II ILS	Apt Elev 96′
IIAH	Apch Crs	MATON	RA 102′	Rwy 8R 95′
109.7	087°	2000′ (1905′)	DA(H)195′(100′)	

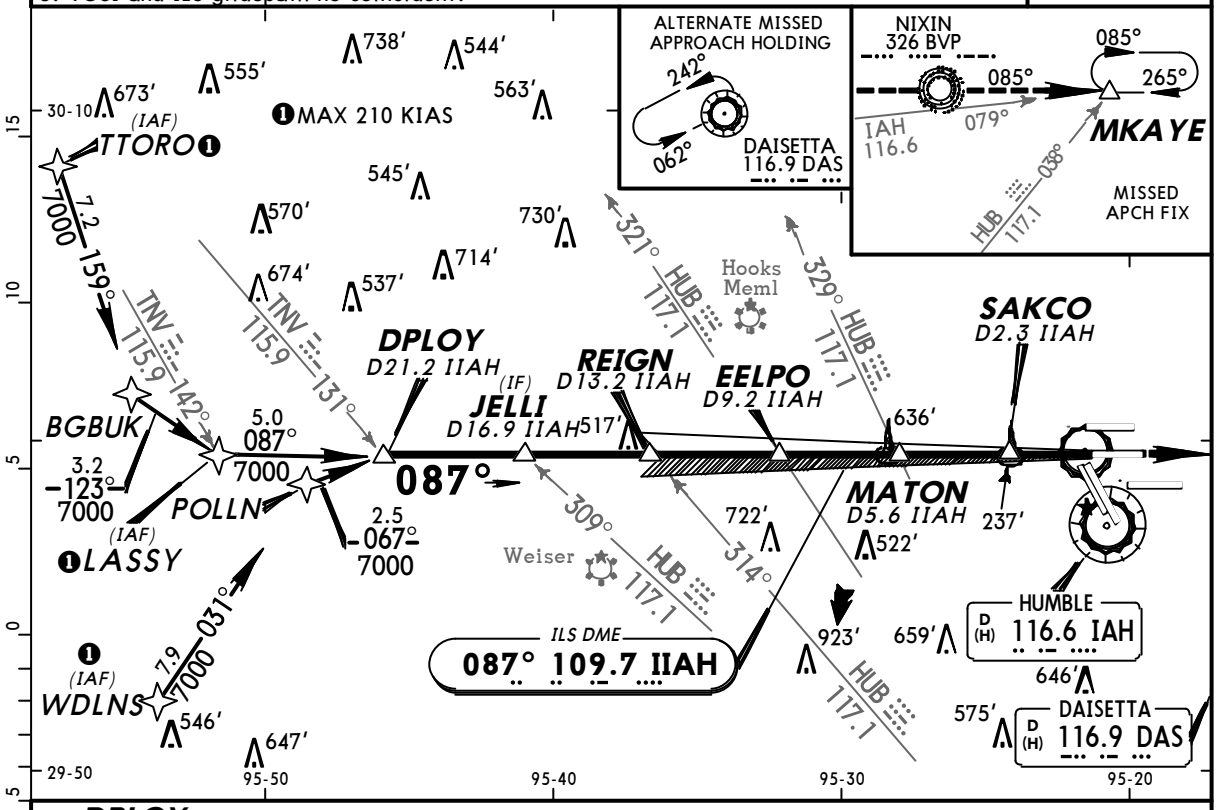
MISSED APCH: Climb to 3000′ on BVP NDB bearing 085° to MKAYE INT and hold, or as directed by ATC.

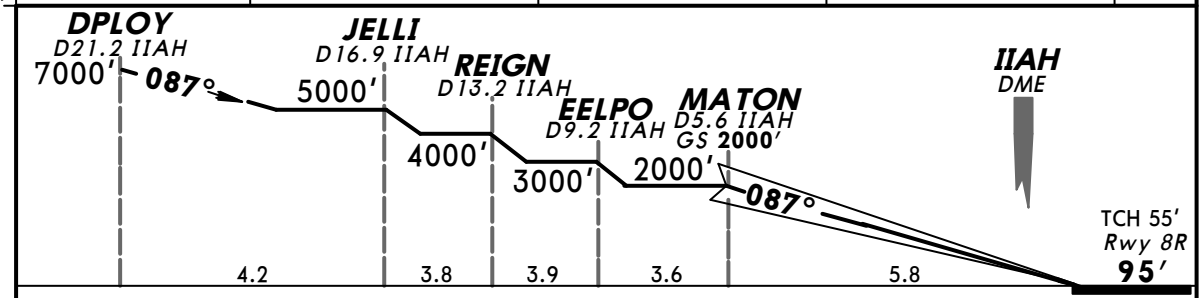
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew and Aircraft Certification Required. 2. ADF required.
3. GPS or Radar required. 4. Simultaneous approach authorized with Rwys 8L and 9.
5. VGSI and ILS glidepath no coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

MALSR
PAPI
3000′ on
BVP 326 085°
MKAYE

TERPS

STRAIGHT-IN LANDING RWY **8R**

1 SA CAT II ILS
RA 102′
DA(H)**195′**(100′)

RVR 12

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

TERPS AMEND 25 29 MAY 2014

CHANGES: Chart reindexed, notes, transitions, elevations.

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JEPPESEN
JeppView 3.7.5.0

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (71-3) Eff 29 May

HOUSTON, TEXAS
ILS or LOC Rwy 9

BRIEFING STRIP TM

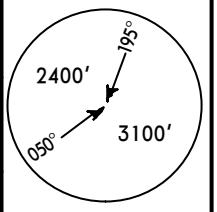
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8L/26R	Rwy 8R/26L	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	120.72	125.35	127.3	118.575	121.7

LOC IUYO	Final Apch Crs	GS HYWAY	ILS DA(H)	Apt Elev 96′
110.9	087°	2000′ (1909′)	291′ (200′)	Rwy 9 91′

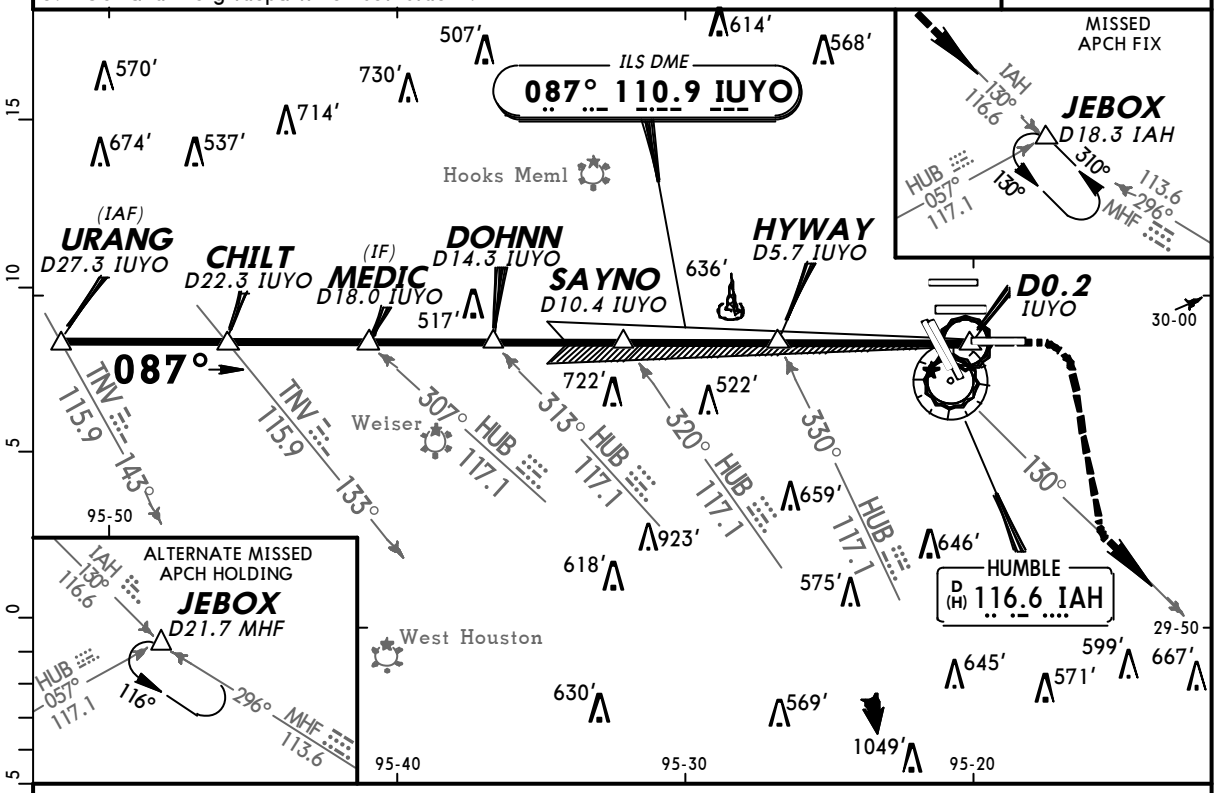
MISSED APCH: Climb to 580′ then climbing RIGHT turn to 3000′ outbound on IAH VOR R-130 to JEBOX INT/D18.3 IAH and hold, or as directed by ATC.

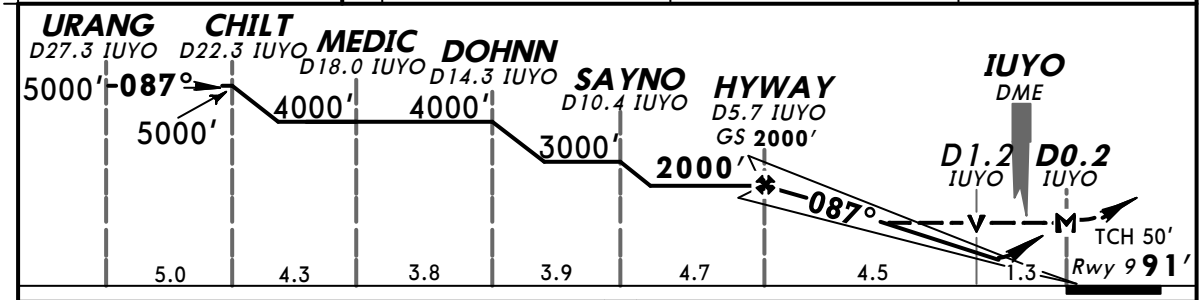
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Radar required. 2. Simultaneous approach authorized with Rwys 8L/R.
3. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849
MAP at D0.2 IUYO or HYWAY to MAP	5.8	4:58	3:52	3:29	2:54	2:29	2:10

MALSR
PAPI

580′

3000′ on RT

IAH 116.6 R-130

JEBOX

TERPS

STRAIGHT-IN LANDING RWY 9

ILS DA(H) 291′ (200′)		LOC (GS out) MDA(H) 580′ (489′)		
FULL	RAIL or ALS out		RAIL out	ALS out
A	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1
B					
C			RVR 50 or 1	RVR 60 or 1 1/8	1 3/8
D					

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

TERPS AMEND 10 29 MAY 2014

CHANGES: Apt elevation, rwy elevation.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14 (71-3A) **Eff 29 May**

HOUSTON, TEXAS
ILS Rwy 9 SA CAT I

BRIEFING STRIP ™

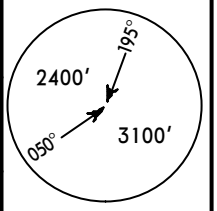
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8L/26R	Rwy 8R/26L	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	120.72	125.35	127.3	118.575	121.7

LOC	Final Apch Crs	GS	SA CAT I ILS	
IUYO		HYWAY	RA 149′	Apt Elev 96′
110.9	087°	2000′ (1909′)	DA(H) 241′ (150′)	Rwy 9 91′

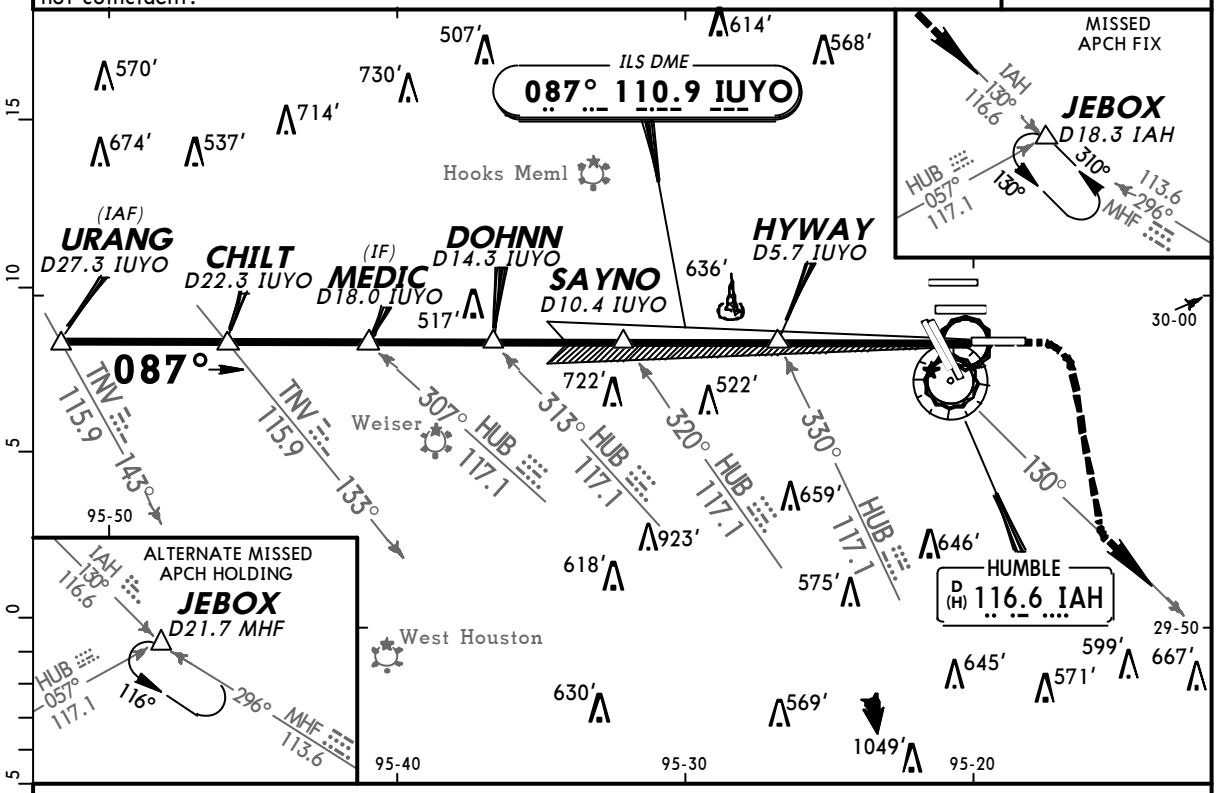
MISSED APCH: Climb to 580′ then climbing RIGHT turn to 3000′ outbound on IAH VOR R-130 to JEBOX INT/D18.3 IAH and hold, or as directed by ATC.

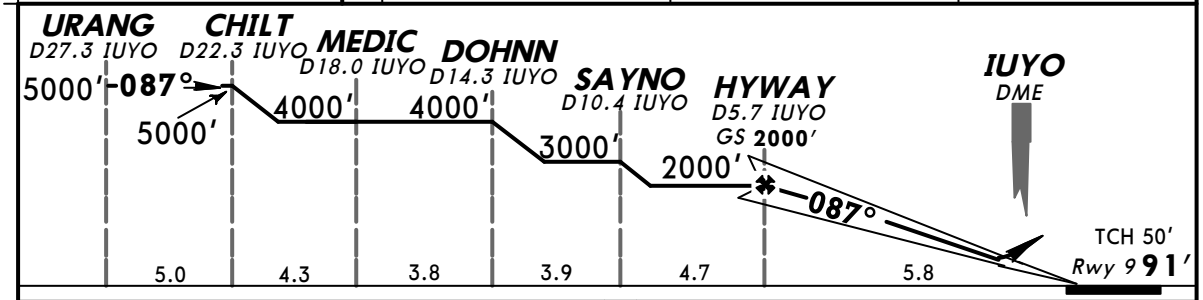
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special aircrew and aircraft certification required. 2. Radar required.
3. Simultaneous approach authorized with Rwys 8L/8R. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

MALSR
PAPI

580′

3000′ RT on IAH 116.6 R-130

JEBOX

TERPS

STRAIGHT-IN LANDING RWY 9
1 SA CAT I ILS

RA 149′
DA(H) **241′** (150′)

RVR 14

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

TERPS AMEND 10 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14 (71-3B) Eff 29 May

HOUSTON, TEXAS
ILS Rwy 9 SA CAT II

BRIEFING STRIP ™

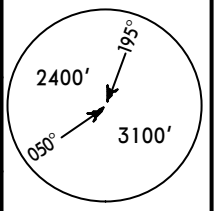
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8L/26R	Rwy 8R/26L	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	120.72	125.35	127.3	118.575	121.7

LOC	Final Apch Crs	GS	SA CAT II ILS	Apt Elev 96′
IUYO	087°	HYWAY 2000′ (1909′)	RA 99′ DA(H) 191′ (100′)	Rwy 9 91′

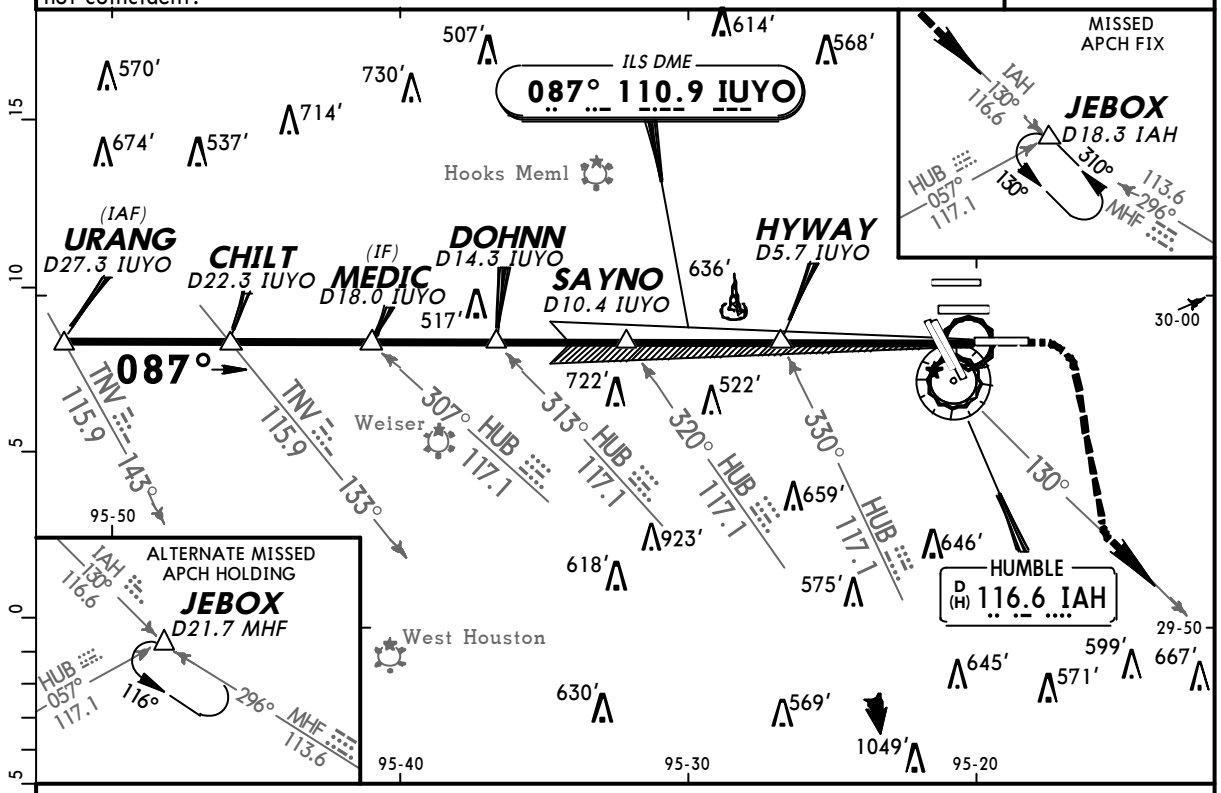
MISSED APCH: Climb to 580′ then climbing RIGHT turn to 3000′ outbound on IAH VOR R-130 to JEBOX INT/D18.3 IAH and hold, or as directed by ATC.

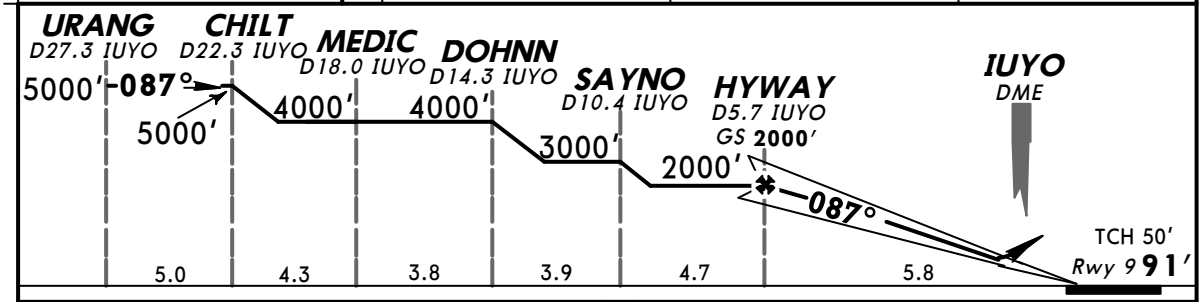
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special aircrew and aircraft certification required. 2. Radar required.
3. Simultaneous approach authorized with Rwys 8L & 8R. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

MALSR
PAPI

580′

3000′ RT on IAH 116.6 R-130 JEBOX

TERPS

STRAIGHT-IN LANDING RWY 9
1 SA CAT II ILS

RA 99′
DA(H) **191′** (100′)

RVR 12

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

TERPS AMEND 10 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (71-4) Eff 29 May

HOUSTON, TEXAS
ILS or LOC Rwy 15R

BRIEFING STRIP™

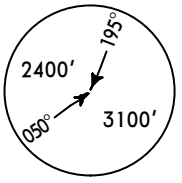
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwys 15R/33L, 15L/33R	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15R/33L, 15L/33R	Rwys 8L/26R, 8R/26L, 9/27
124.05	124.35	120.05	127.3	120.72	125.35	135.15	121.7	118.575

LOC	Final	GS	ILS	
ILKM	Apch Crs	JAKPO	DA(H)	Apt Elev 96′
111.15	149°	2000′ (1904′)	296′ (200′)	Rwy 15R 96′

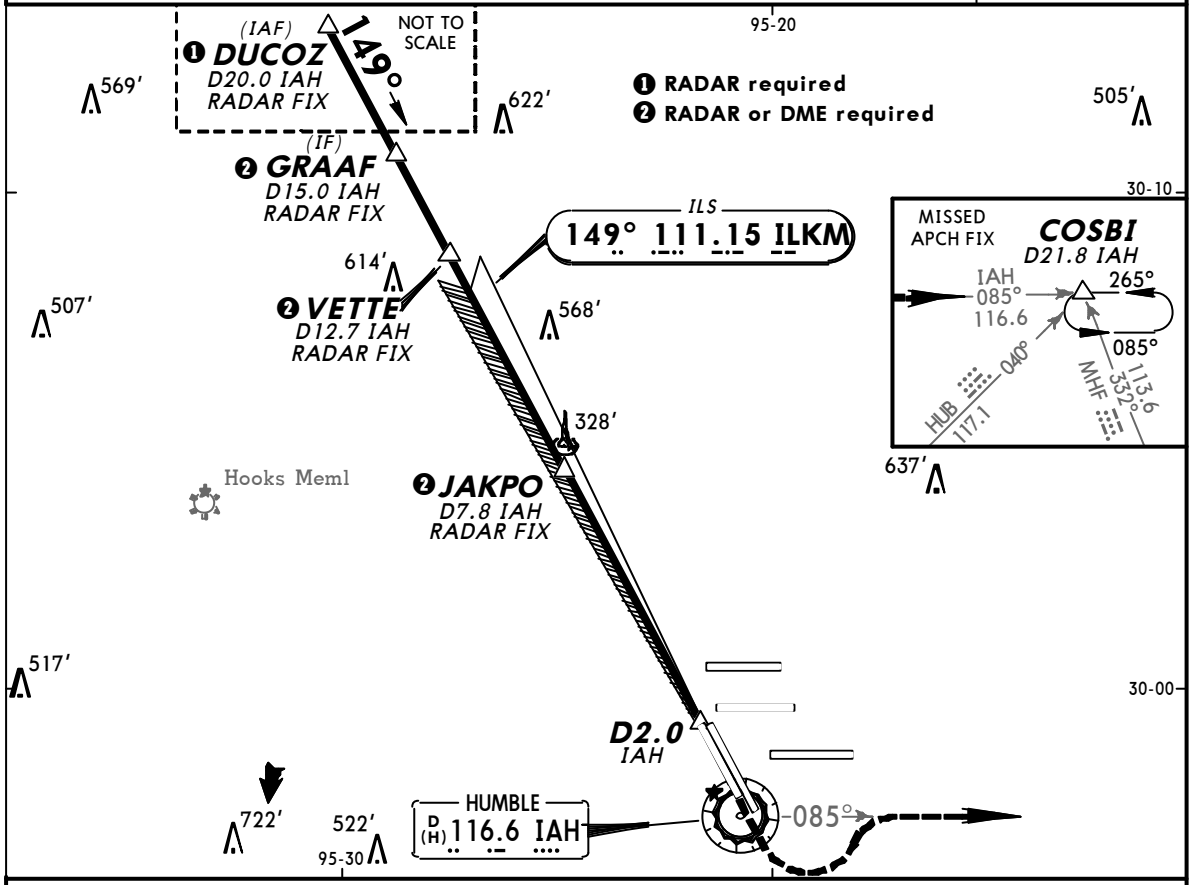
MISSED APCH: Climb to 1000′ then climbing LEFT turn to 2000′ outbound on IAH VOR R-085 to COSBI INT/D21.8 IAH and hold.

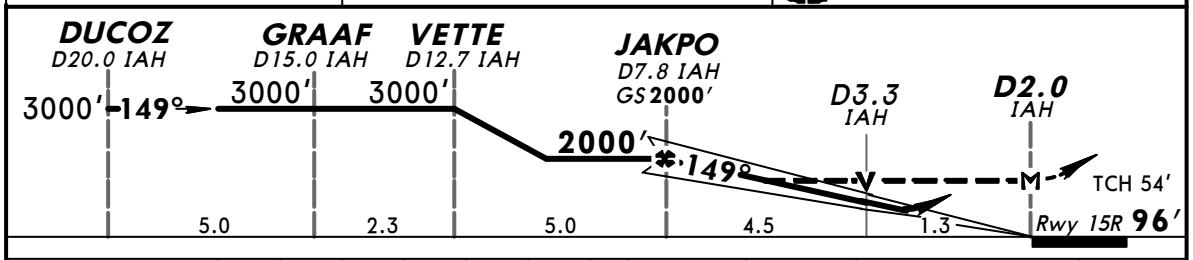
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. DME or Radar required. 2. DME from IAH VOR, simultaneous reception of ILKM and IAH DME required. 3. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts	70	90	100	120	140	160
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

MALSR PAPI | 1000′ | 2000′ LT on IAH 116.6 R-085 | COSBI

TERPS STRAIGHT-IN LANDING RWY 15R

TERPS AMEND 2 29 MAY 2014

	ILS DA(H) 296′ (200′)			LOC (GS out) MDA(H) 580′ (484′)		
	FULL	TDZ or CL out	RAIL or ALS out		RAIL out	ALS out
A	RVR 18 or 3/8	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1
B						
C				RVR 50 or 1	RVR 60 or 1 1/8	1 3/8
D						

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

CHANGES Procedure modified.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14
Eff 29 May

71-5

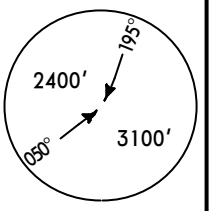
HOUSTON, TEXAS
ILS or LOC Rwy 26L

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	120.72	135.15	127.3	118.575	121.7

LOC IJYV	Final Apch Crs	GS JEPNI	ILS DA(H)	Apt Elev 96′
109.7	267°	2000′ (1907′)	293′ (200′)	Rwy 26L 93′

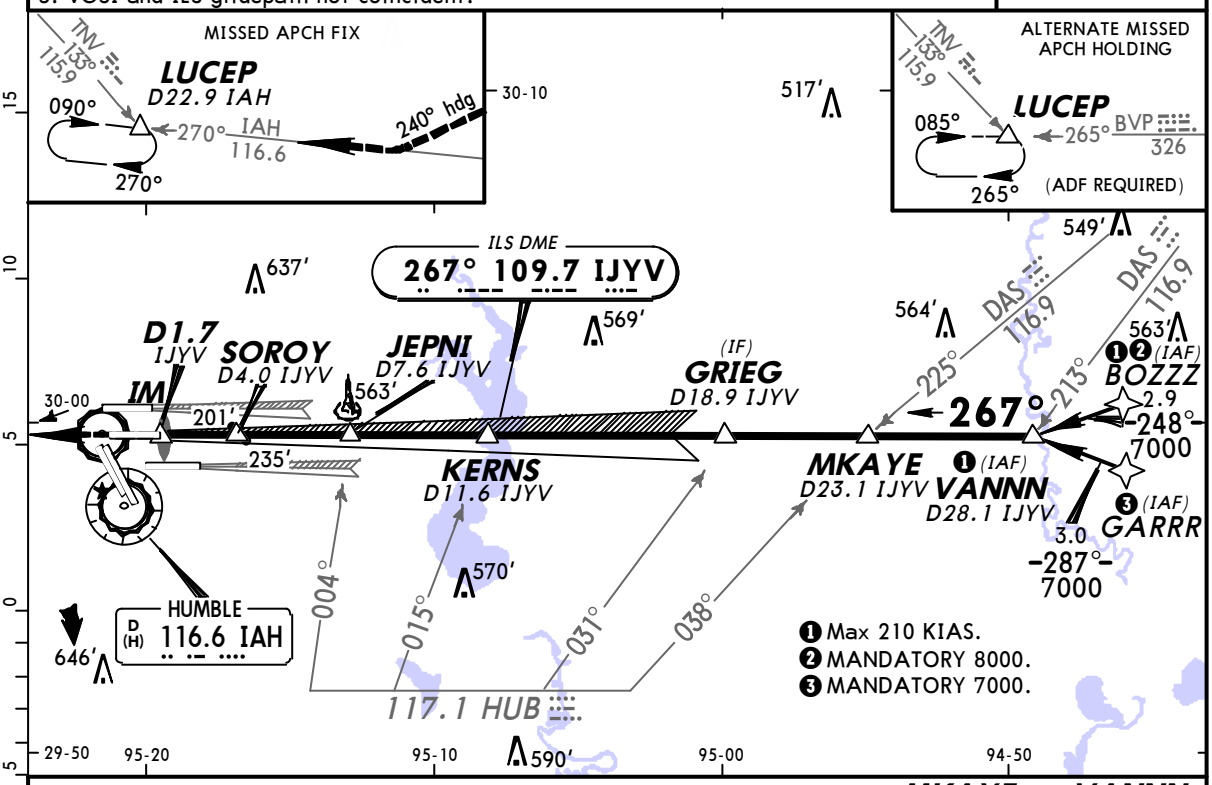
MISSED APCH: Climb to 3000′ then LEFT turn heading 240° and outbound IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold, or as directed by ATC.

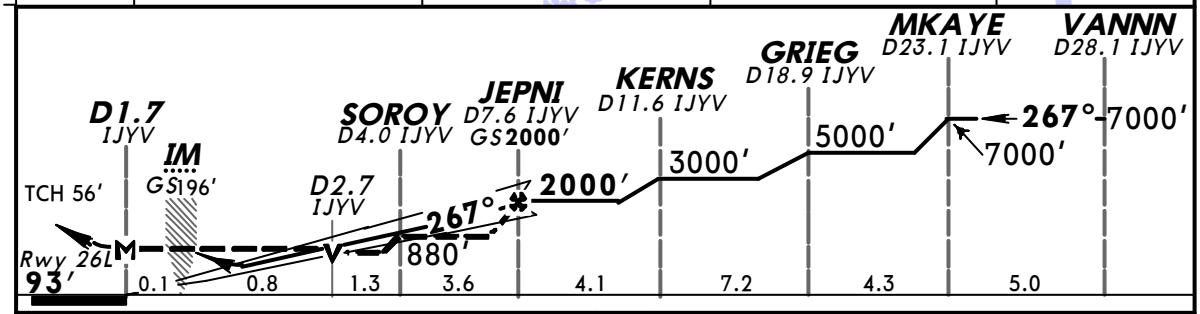


MSA IAH VOR

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

1. GPS or Radar required. 2. Simultaneous approach authorized with Rwys 26R & 27.
3. VGSI and ILS glidepath not coincident.





Gnd speed-Kts	70	90	100	120	140	160
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

ALSF-II PAPI | 3000′ | LT | 240° hdg and IAH 116.6 R-270

TERPS STRAIGHT-IN LANDING RWY26L

	ILS DA(H) 293′(200′)			LOC (GS out) MDA(H) 460′(367′) ❷ With SOROY		LOC (GS out) MDA(H) 880′(787′) Without SOROY	
	FULL	TDZ or CL out	ALS out		ALS out		ALS out
A	RVR 18 or 3/8	❶ RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 55 or 1	RVR 24 or 1/2	RVR 55 or 1
B						RVR 40 or 3/4	RVR 60 or 1 1/4
C				RVR 35 or 5/8	RVR 50 or 1	1 3/4	2 1/2
D							

TERPS AMEND 21 29 MAY 2014

❶ RVR 18 with Flight Director or Autopilot or HUD to DA.
❷ DME Required.

CHANGES: Procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN

HOUSTON, TEXAS

71-5A 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	120.72	135.15	127.3	118.575	121.7

LOC	Final Apch Crs	GS	CAT IIIC	CAT IIIB	CAT IIIA	CAT II	
IJYV 109.7	267°	JEPNI 2000′ (1907′)	NA	Refer to Minimums		RA 100′ DA(H) 193′ (100′)	Apt Elev 96′ Rwy 26L 93′

MISSED APCH: Climb to 3000′ then LEFT turn heading 240° and outbound IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold, or as directed by ATC.

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

1. Special Aircrew & Acft Certification Required. 2. GPS or Radar required.
3. Simultaneous approach authorized with Rwys 26R & 27. 4. VGSI and ILS glidepath not coincident.

MSA IAH VOR
2400′ 195° 350° 3100′

MISSED APCH FIX
LUCEP D22.9 IAH
090° 270° IAH 116.6 240° hdg
TW 133° 115.9
30-10

ALTERNATE MISSED APCH HOLDING
LUCEP
085° 265° BVP 326
265° (ADF REQUIRED)
TW 133° 115.9

ILS DME 267° 109.7 IJYV

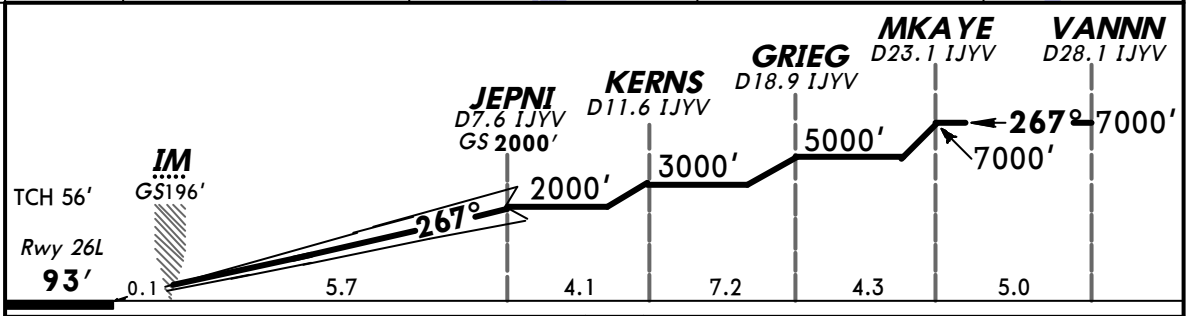
637′ 569′ 517′ 549′ 564′ 563′

JEPNI D7.6 IJYV
GRIEG (IF) D18.9 IJYV
IM 563′ 201′ 30-00 235′
KERNS D11.6 IJYV
MKAYE (IAF) D23.1 IJYV
VANNN D28.1 IJYV
BOZZZ (IAF) 2.9 248° 7000
GARRR (IAF) 3.0 287° 7000
DAS 116.9 225° 213°
267°

HUMBLE D (H) 116.6 IAH
646′ 570′ 590′
004° 015° 031° 038°
117.1 HUB

❶ Max 210 KIAS.
❷ MANDATORY 8000.
❸ MANDATORY 7000.

29-50 95-20 95-10 95-00 94-50



Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849

ALSF-II PAPI | 3000′ | LT | 240° hdg and IAH 116.6 R-270

TERPS STRAIGHT-IN LANDING RWY 26L

CAT IIIC ILS	CAT IIIB ILS	CAT IIIA ILS	CAT II ILS RA 100′ DA(H) 193′ (100′)
NA	RVR 6	RVR 7	❶ RVR 12

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

TERPS AMEND 21 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14
Eff 29 May

71-5B

HOUSTON, TEXAS
ILS Rwy 26L SA CAT I

BRIEFING STRIP ™

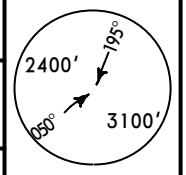
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.72	135.15	127.3	118.575	121.7

LOC	Final Apch Crs	GS	SA CAT I ILS	
IJYV		JEPNI	RA 152′	Apt Elev 96′
109.7	267°	2000′ (1907′)	DA(H) 243′ (150′)	Rwy 26L 93′

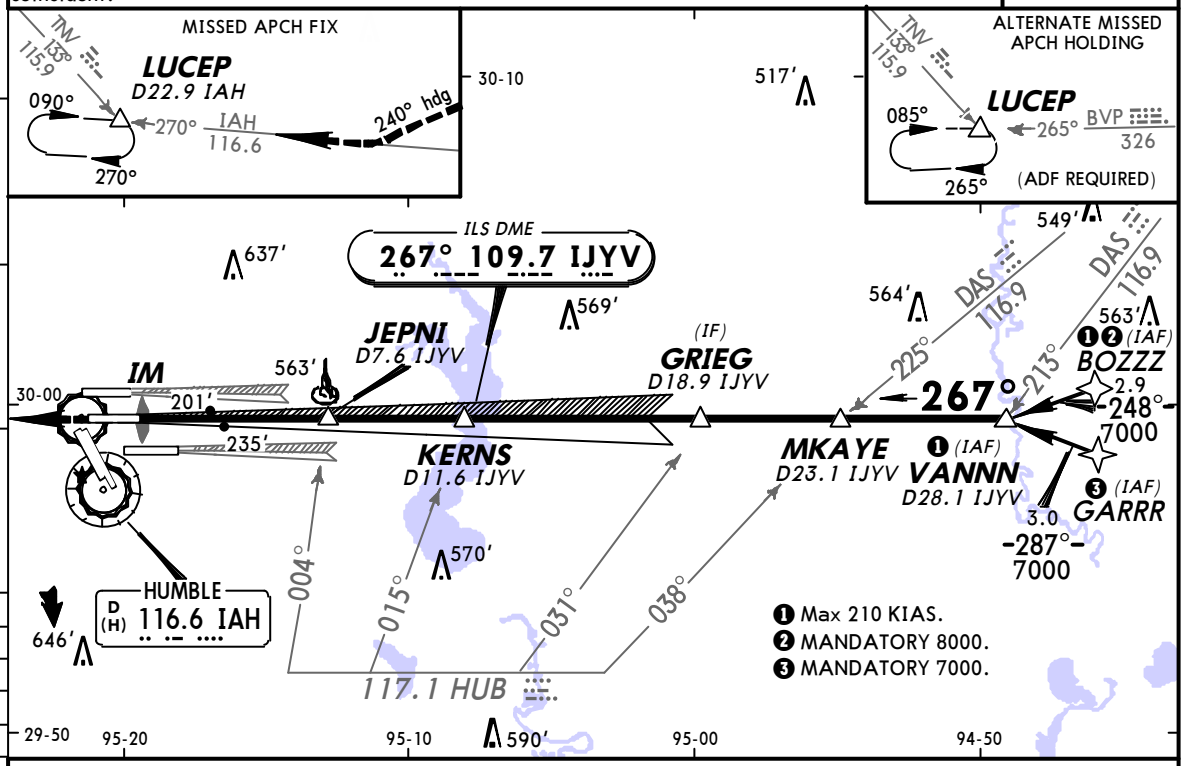
MISSED APCH: Climb to 3000′ then LEFT turn heading 240° and outbound IAH VOR R-270 to LUCEP INT/D22.9 IAH and hold, or as directed by ATC.

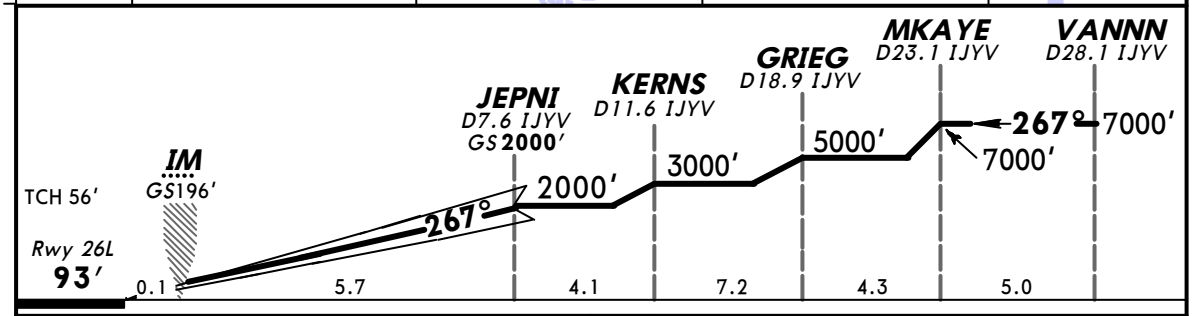
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew & Acft Certification Required. 2. GPS or Radar required.
3. Simultaneous approach authorized with Rwys 26R & 27. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

ALSF-II
PAPI
3000′
LT
240° hdg and IAH 116.6 R-270

TERPS

STRAIGHT-IN LANDING RWY **26L**

❶ SA CAT I ILS
RA 152′
DA(H) **243′** (150′)

RVR 14

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

TERPS AMEND 21 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14
Eff 29 May
71-6

HOUSTON, TEXAS
ILS or LOC Rwy 26R

BRIEFING STRIP™

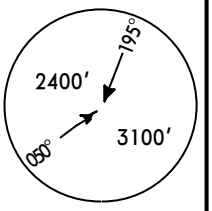
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7

LOC	Final	GS	ILS	
IOND	Apch Crs	OWELL	DA(H)	Apt Elev 96′
111.55	267°	2000′ (1905′)	295′ (200′)	Rwy 26R 95′

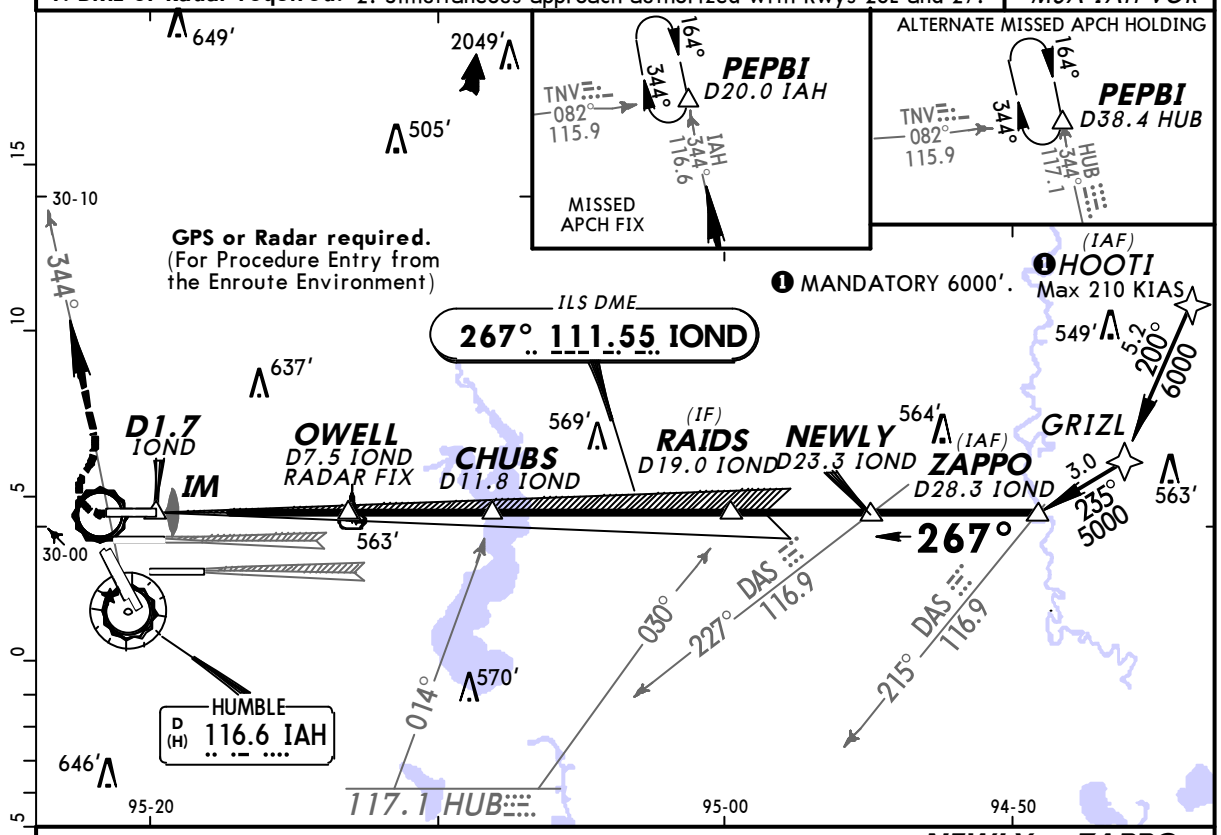
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ outbound on IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold, or as directed by ATC.

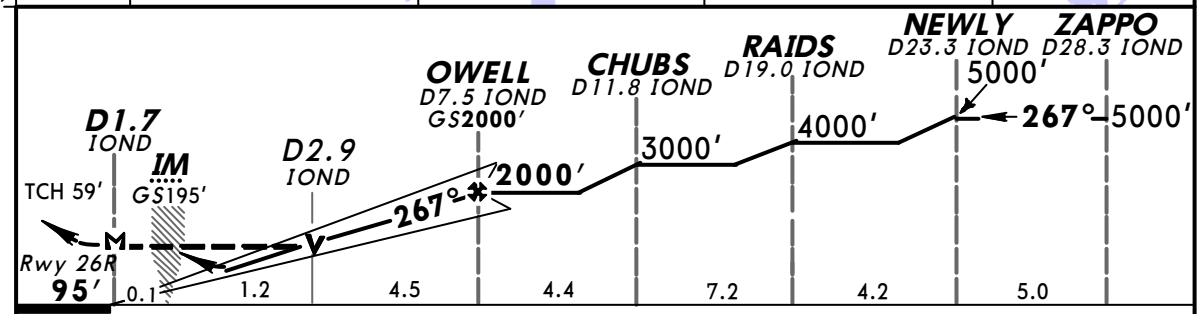
Alt Set: INCHES | Trans level: FL 180 | Trans alt: 18000′

1. DME or Radar required. 2. Simultaneous approach authorized with Rwys 26L and 27.



MSA IAH VOR





Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849
MAP at D1.7 IOND or OWELL to MAP 5.8	4:58	3:52	3:29	2:54	2:29	2:10

ALSF-II | 600′ | 3000′ RT on IAH 116.6 R-344 | PEPBI

TERPS STRAIGHT-IN LANDING RWY **26R**

	ILS DA(H) 295′ (200′)			LOC (GS out) MDA(H) 560′ (465′)	
	FULL	TDZ or CL out	ALS out		ALS out
A	RVR 18 or 3/8	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 55 or 1
B					
C				RVR 50 or 1	1 3/8
D					

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

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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JEPPESEN
JeppView 3.7.5.0

KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN
71-6A

HOUSTON, TEXAS
ILS Rwy 26R 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	120.72	125.35	135.15	127.3	118.575	121.7

LOC IOND 111.55	Final Apch Crs 267°	GS OWELL 2000′ (1905′)	CAT IIIC	CAT IIIB	CAT IIIA	CAT II RA 99′ DA(H) 195′ (100′)	Apt Elev 96′ Rwy 26R 95′
			NA	Refer to Minimums			

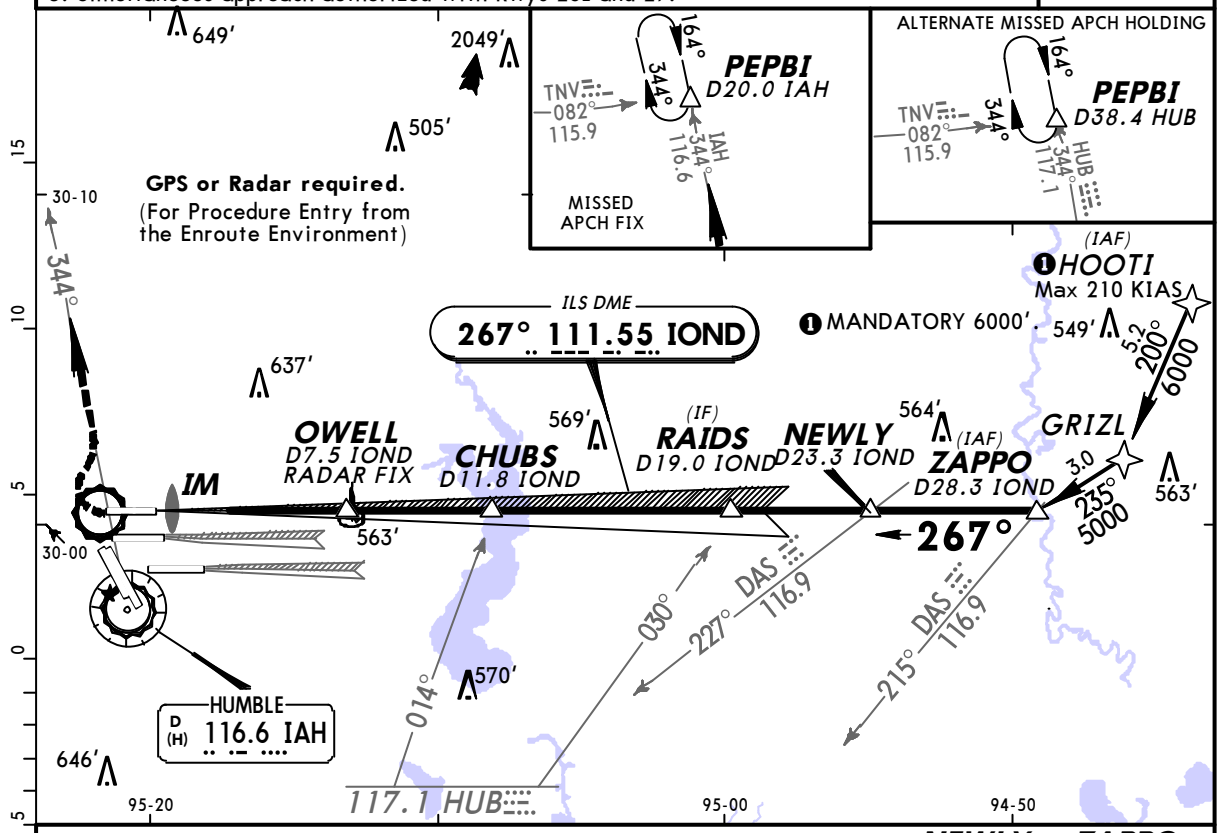
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ outbound on IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold, or as directed by ATC.

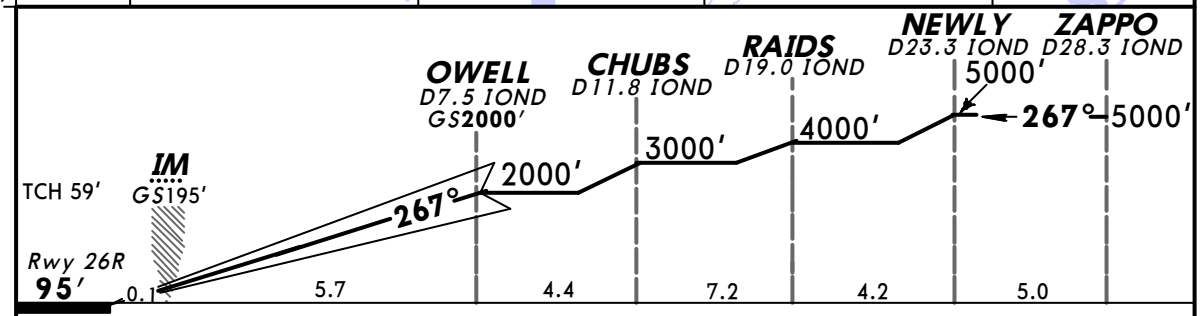
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew and Aircraft Certification Required. 2. DME or Radar required.
3. Simultaneous approach authorized with Rwys 26L and 27.

MSA IAH VOR
2400′ 195° 050° 3100′

BRIEFING STRIP ™





Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849

ALSF-II | 600′ | 3000′ RT on IAH 116.6 R-344 | PEPBI

TERPS STRAIGHT-IN LANDING RWY **26R**

CAT IIIC ILS	CAT IIIB ILS	CAT IIIA ILS	CAT II ILS RA 99′ DA(H) 195′ (100′)
NA	RVR 6	RVR 7	1 RVR 12

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

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN
71-6B

HOUSTON, TEXAS
ILS Rwy 26R SA CAT I

BRIEFING STRIP ™

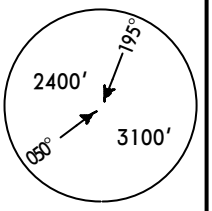
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7

LOC	Final	GS	SA CAT I	
IOND	Apch Crs	OWELL	RA 157′	Apt Elev 96′
111.55	267°	2000′ (1905′)	DA(H) 245′ (150′)	Rwy 26R 95′

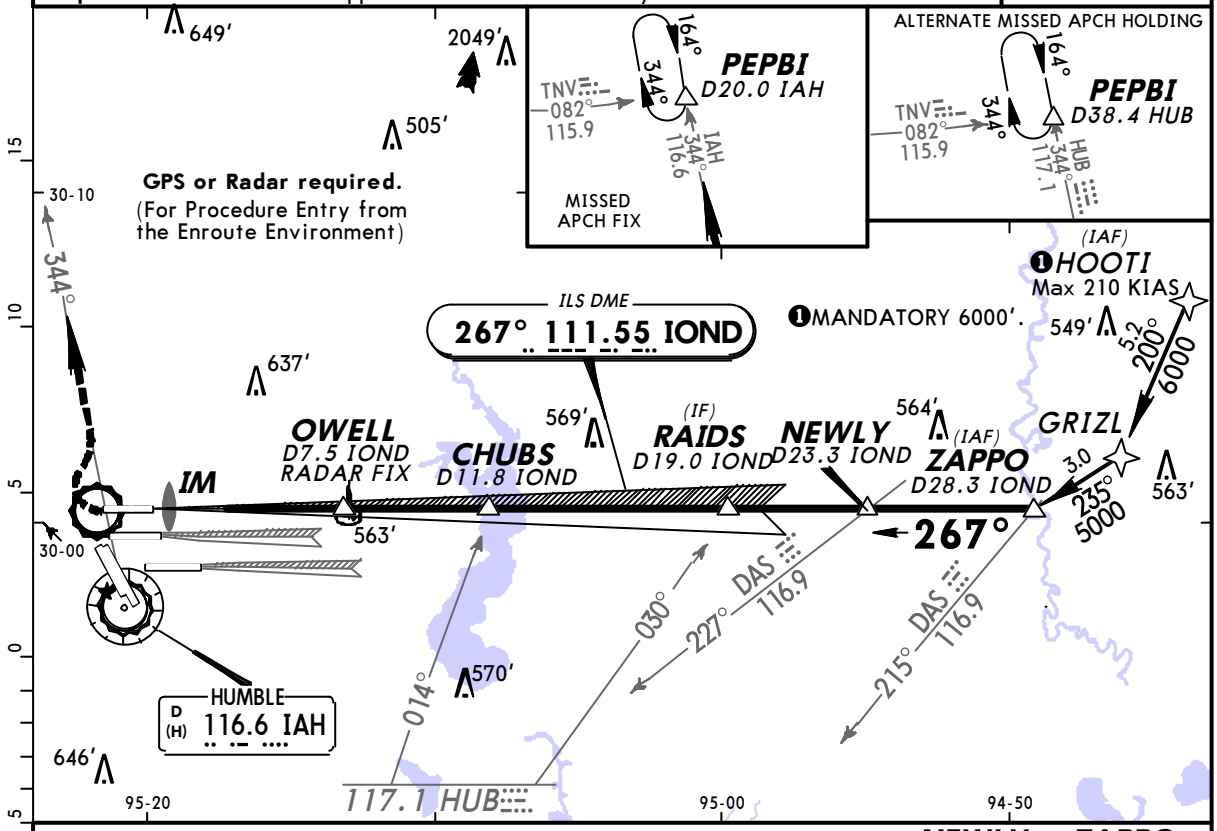
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ outbound via IAH VOR R-344 to PEPBI INT/D20.0 IAH and hold, or as directed by ATC.

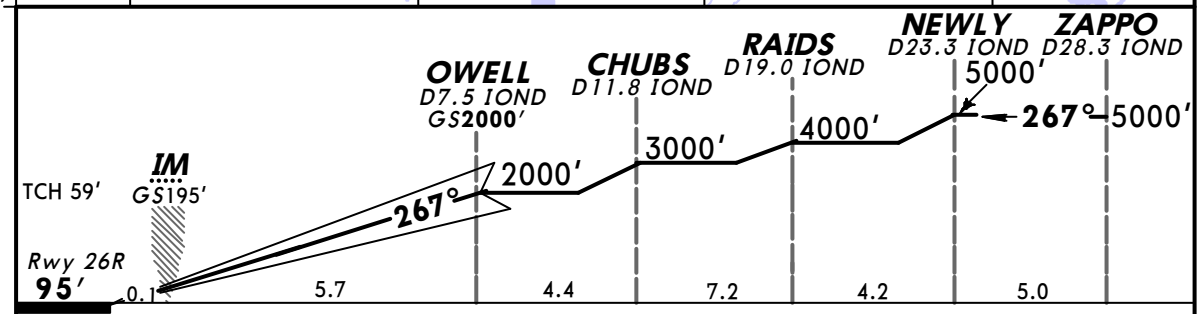
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew and Aircraft Certification Required. 2. DME or Radar required. 3. Simultaneous approach authorized with Rwy 26L and 27.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

ALSF-II | 600′ | 3000′ RT on IAH 116.6 R-344 | PEPBI

TERPS

STRAIGHT-IN LANDING RWY26R

1 SA CAT I ILS

RA 157′
DA(H) 245′ (150′)

RVR 14

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

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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JeppView 3.7.5.0

KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (71-7)
Eff 29 May

HOUSTON, TEXAS
ILS or LOC Rwy 27

BRIEFING STRIP ™

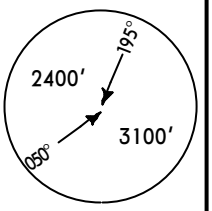
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

LOC IGHI	Final Apch Crs	GS REDOC	ILS DA(H)	Apt Elev 96′
110.9	267°	1500′ (1415′)	285′ (200′)	Rwy 27 85′

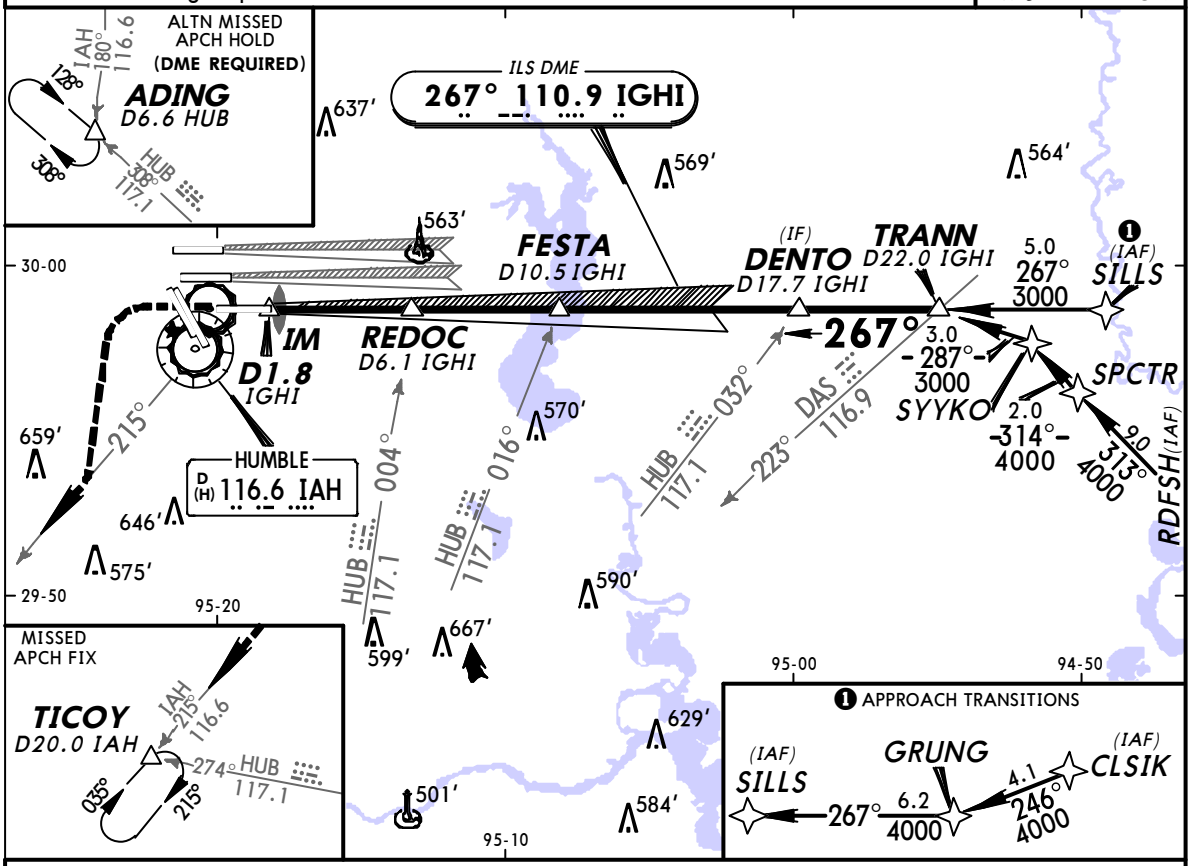
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3000′ outbound on IAH VOR R-215 to TICOY INT/D20.0 IAH and hold, or as directed by ATC.

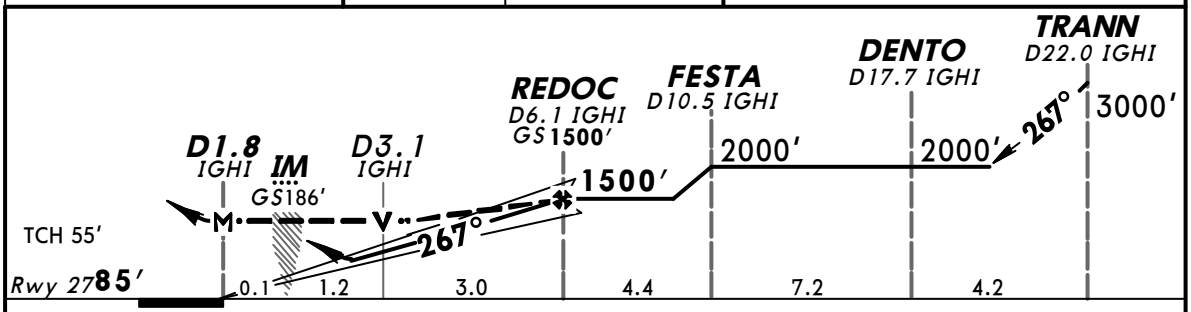
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. GPS or Radar required. 2. Simultaneous approach authorized with Rwy 26L/R.
3. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849
MAP at D1.8 IGHI or REDOC to MAP	4.3	3:41	2:52	2:35	2:09	1:51	1:37

ALSF-II
PAPI
560′
3000′ LT
IAH on 116.6 R-215
TICOY

TERPS STRAIGHT-IN LANDING RWY 27

	ILS DA(H) 285′ (200′)			LOC (GS out) MDA(H) 560′ (475′)	
	FULL	TDZ or CL out	ALS out		ALS out
A	RVR 18 or 3/8	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 55 or 1
B					
C				RVR 50 or 1	1 3/8
D					

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

TERPS AMEND 10 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN
71-7A

HOUSTON, TEXAS
ILS Rwy 27 CAT II & III

BRIEFING STRIP™

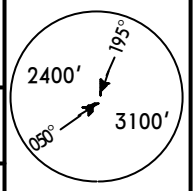
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

LOC	Final	GS	CAT IIIC	CAT IIIB	CAT IIIA	CAT II	Apt Elev
IGHI	Apch Crs	REDOC		Refer to Minimums		RA 101′	96′
110.9	267°	1500′ (1415′)	NA			DA(H) 185′ (100′)	Rwy 27 85′

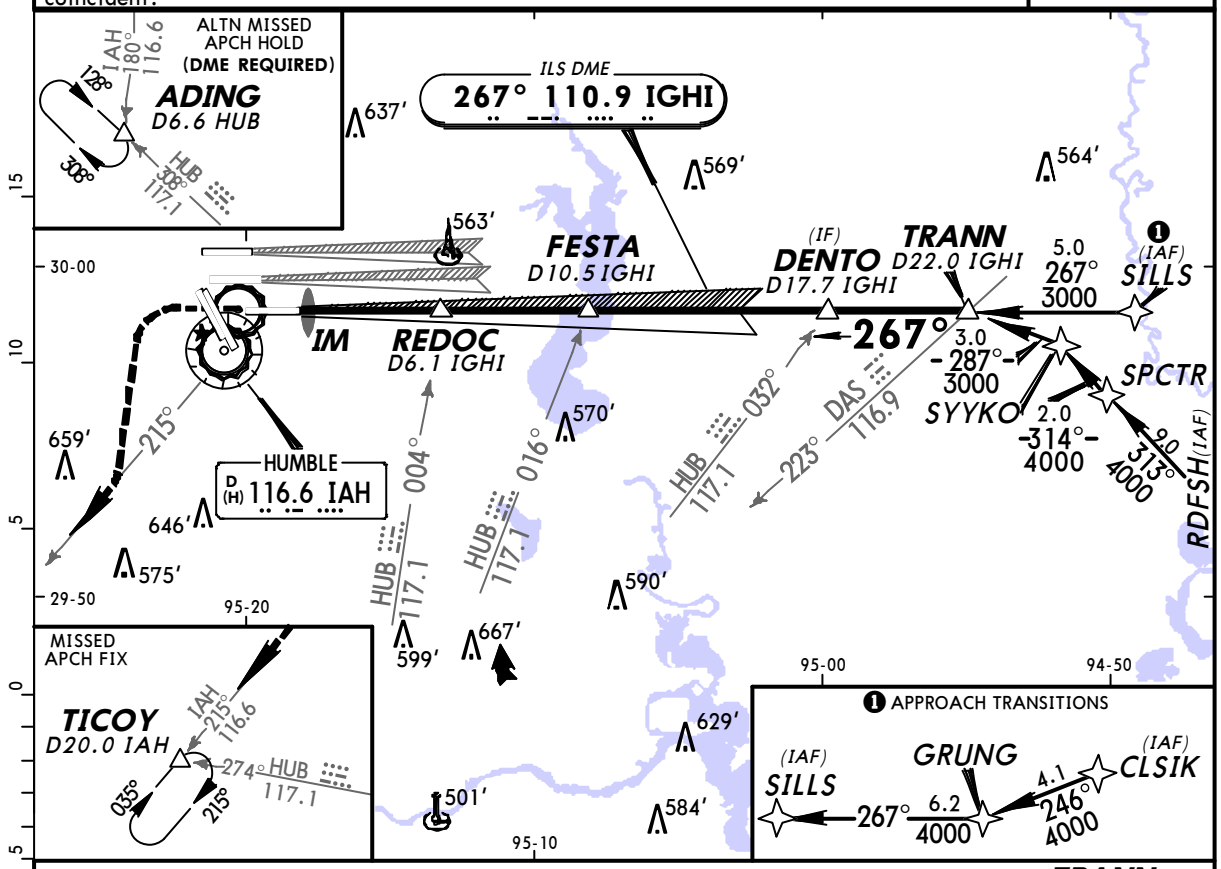
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3000′ outbound on IAH VOR R-215 to TICOY INT/D20.0 IAH and hold, or as directed by ATC.

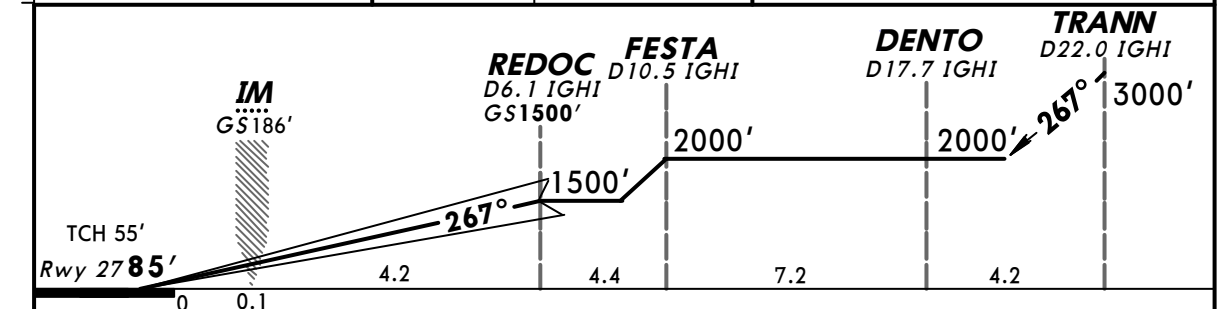
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew & Acft Certification Required. 2. GPS or Radar required.
3. Simultaneous approach authorized with Rwy 26L/R. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

ALSF-II
PAPI

560′

3000′ on LT

IAH 116.6 R-215

TICOY

TERPS STRAIGHT-IN LANDING RWY27

CAT IIIC ILS	CAT IIIB ILS	CAT IIIA ILS	CAT II ILS RA 101′ DA(H) 185′ (100′)
NA	RVR 6	RVR 7	1 RVR 12

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

TERPS AMEND 10 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN
71-7B

HOUSTON, TEXAS
ILS Rwy 27 SA CAT I

BRIEFING STRIP

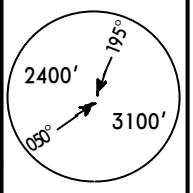
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

LOC IGHI	Final Apch Crs	GS REDOC	SA CAT I ILS	Apt Elev / Rwy
110.9	267°	1500′ (1415′)	RA 104′ DA(H) 235′ (150′)	96′ / 85′

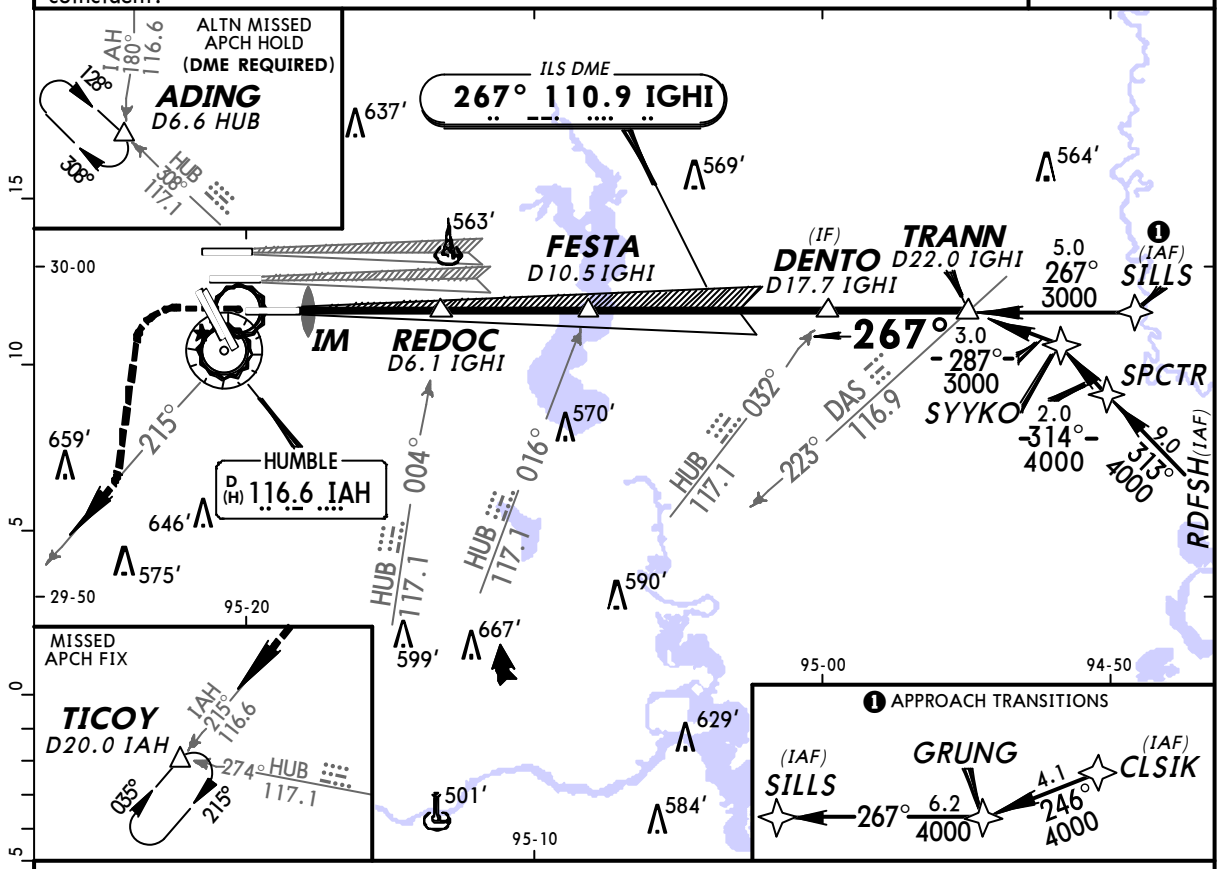
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3000′ outbound on IAH VOR R-215 to TICOY INT/D20.0 IAH and hold, or as directed by ATC.

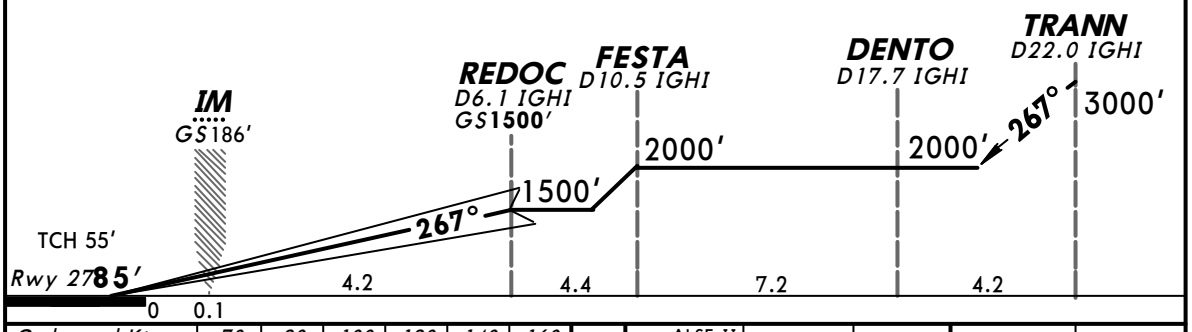
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. Special Aircrew & Acft Certification Required. 2. GPS or Radar required.
3. Simultaneous approach authorized with Rwy 26L/R. 4. VGSI and ILS glidepath not coincident.



MSA IAH VOR





Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

ALSF-II
PAPI

560′

3000′ LT on

IAH 116.6 R-215

TICOY

TERPS

STRAIGHT-IN LANDING RWY27
1 SA CAT I ILS
RA 104′
DA(H) 235′ (150′)

RVR 14

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

TERPS AMEND 10 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

23 MAY 14
Eff 29 May

JEPPESEN
71-8

HOUSTON, TEXAS
ILS or LOC Rwy 33R

BRIEFING STRIP ™

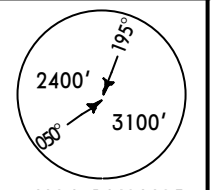
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwys 15L/33R, 15R/33L	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27
124.05	124.35	120.05	127.3	125.35	120.72	135.15	121.7	118.575

LOC	Final	GS	ILS	
ICDG	Apch Crs	JOLTE	DA(H)	Apt Elev 96′
111.9	329°	1600′ (1514′)	286′ (200′)	Rwy 33R 86′

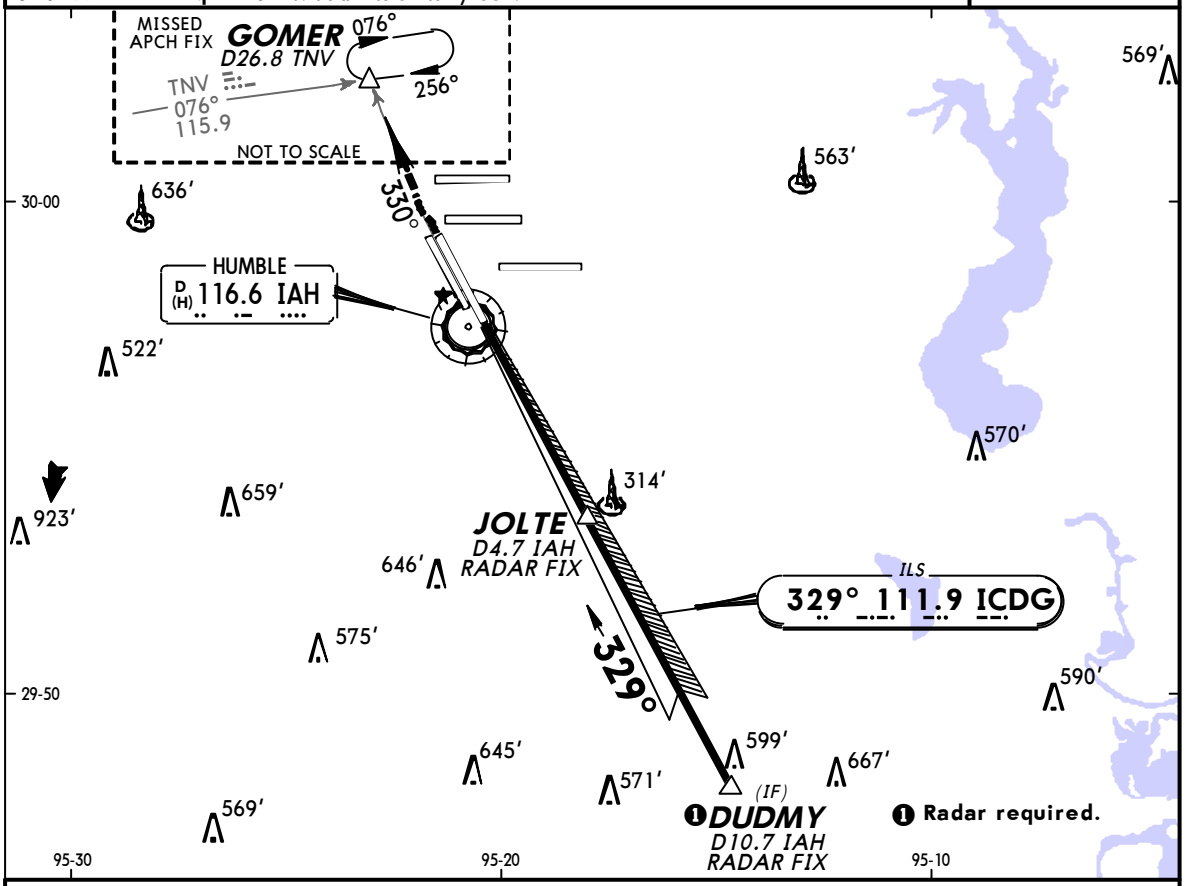
MISSED APCH: Climb to 2000′ outbound on IAH VOR R-330 to GOMER INT/D26.8 TNV and hold.

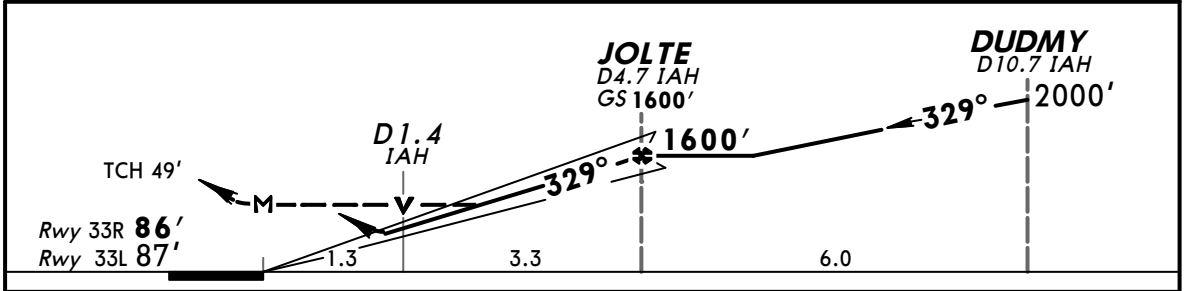
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. DME or Radar required. 2. DME from IAH VOR. Simultaneous reception of ICDG and IAH DME required. 4. PAPI-R on Rwy 33L.



MSA IAH VOR





Gnd speed-Kts	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849
JOLTE to MAP 4.6	3:57	3:04	2:46	2:18	1:58	1:43

MALSR

2000′ on IAH 116.6 R-330 — GOMER

TERPS

	STRAIGHT-IN LANDING RWY 33R					SIDESTEP LANDING RWY 33L
	ILS DA(H) 286′ (200′)		LOC (GS out) MDA(H) 540′ (454′)			MDA(H) 540′ (453′)
	FULL	RAIL or ALS out		RAIL out	ALS out	
A	1 RVR 24 or 1/2	RVR 40 or 3/4	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1	RVR 50 or 1
B						
C			RVR 45 or 7/8	RVR 55 or 1	1 3/8	1 1/2
D						2

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

TERPS AMEND 13 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-1) Eff 29 May

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 8L

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

BRIEFING STRIP ™

WAAS	Final Apch Crs	Minimum Alt	LPV DA(H)	Apt Elev 96′
Ch 77826 W-08A	087°	JACEN 2000′ (1909′)	291′ (200′)	Rwy 8L 91′

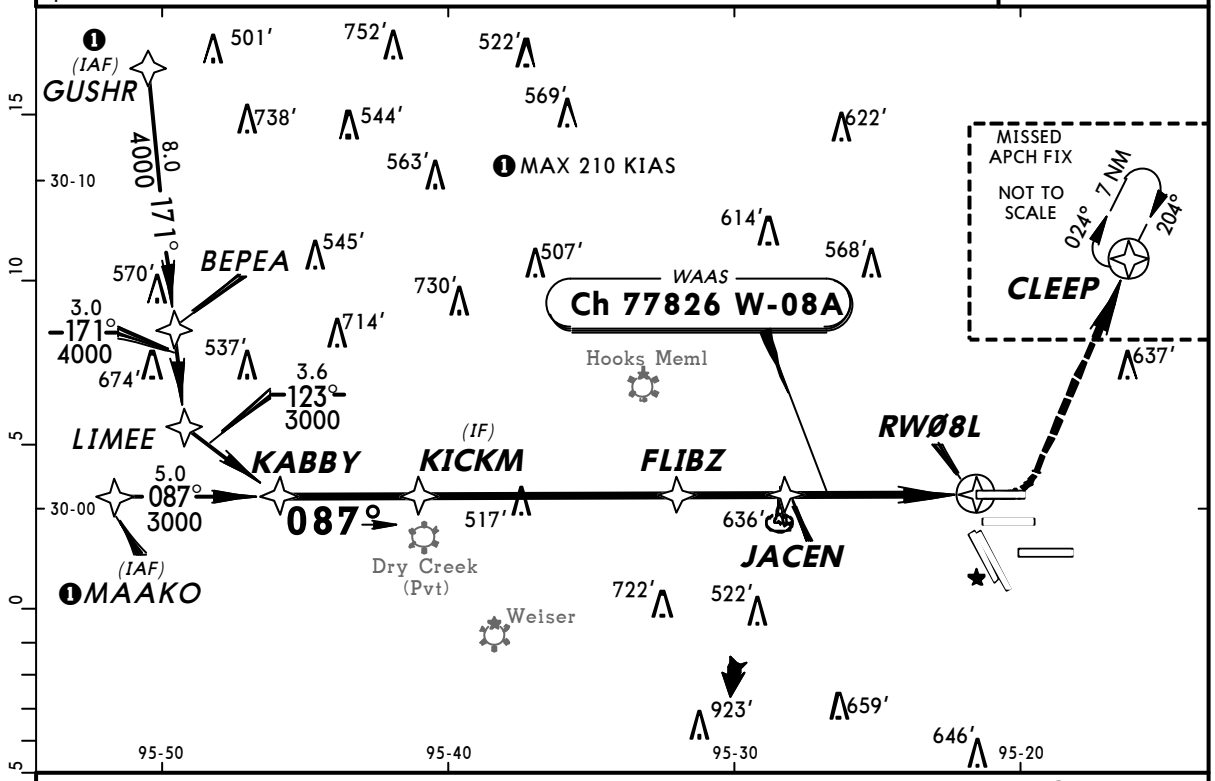
MISSED APCH: Climb to 580′, then climbing LEFT turn to 4000′ direct CLEEP and hold.

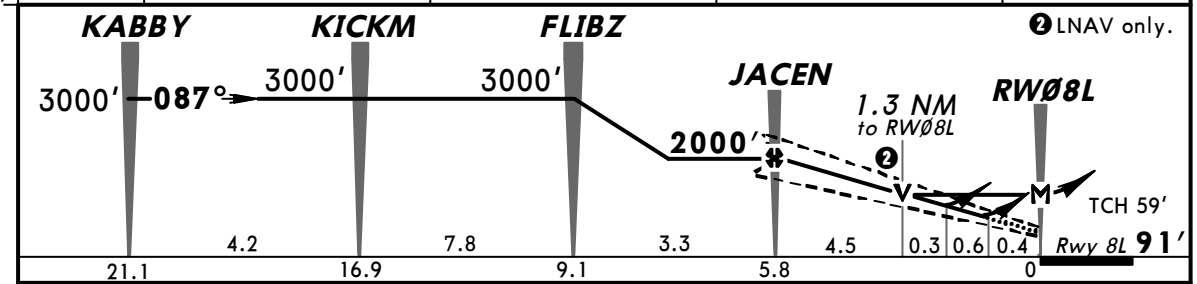
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

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.

3100′

MSA RWØ8L





Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RWØ8L							

ALSF-II | 580′ | 4000′ LT | D | CLEEP

TERPS STRAIGHT-IN LANDING RWY 8L

	LPV DA(H) 291′ (200′)		LNAV/VNAV DA(H) 482′ (391′)		[1]LNAV MDA(H) 580′ (489′)	
		ALS out		ALS out		ALS out
A	RVR 24 or 1/2	RVR 40 or 3/4	RVR 40 or 3/4	1 1/4	RVR 24 or 1/2	RVR 55 or 1
B						
C					RVR 50 or 1	1 3/8
D						

[1] Not authorized during simultaneous operations.

TERPS AMEND 5 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-2) Eff 29 May

HOUSTON, TEXAS RNAV (GPS) Z Rwy 8R

BRIEFING STRIP TM

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	Final Apch Crs	Minimum Alt	LPV DA(H)	Apt Elev 96′
Ch 53626 W-08B	087°	MATON 2000′ (1905′)	295′ (200′)	Rwy 8R 95′

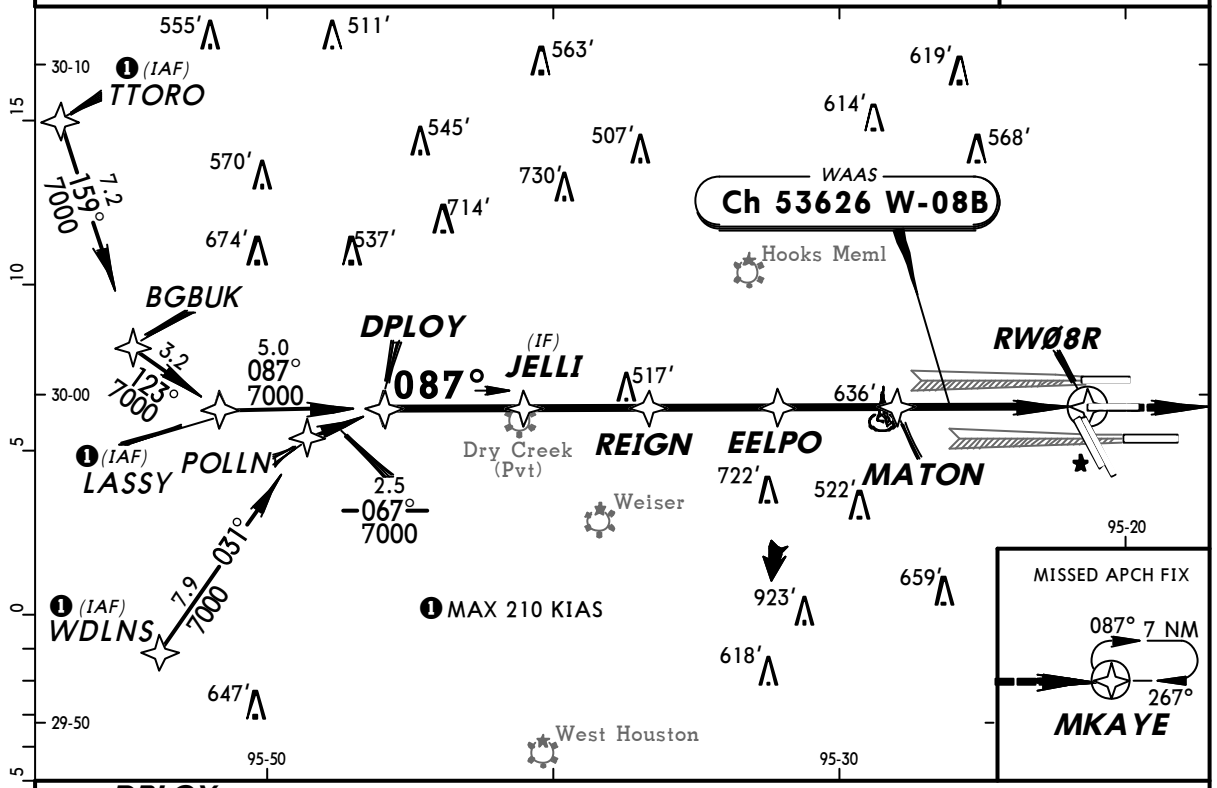
MISSED APCH: Climb to 3000′ direct MKAYE and hold.

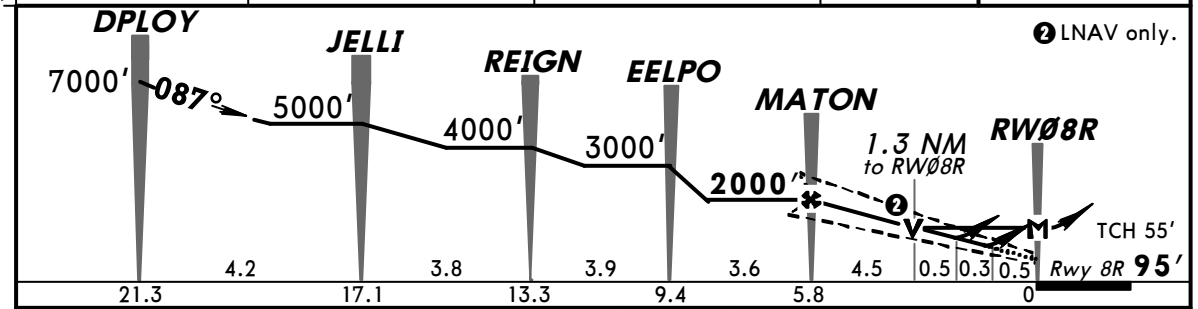
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

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 during simultaneous operations.

3100′

MSA RWØ8R





Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RWØ8R							

MALSR PAPI 3000′ D MKAYE

TERPS STRAIGHT-IN LANDING RWY 8R

	LPV DA(H) 295′ (200′)		LNAV/VNAV DA(H) 420′ (325′)			1 LNAV MDA(H) 580′ (485′)		
		RAIL out	ALS out	RAIL out	ALS out		RAIL out	ALS out
A	RVR 24 or 1/2	RVR 40 or 3/4		RVR 32 or 5/8	RVR 40 or 3/4	RVR 60 or 1 1/8	RVR 24 or 1/2	RVR 40 or 3/4	RVR 55 or 1
B								
C							RVR 50 or 1	RVR 60 or 1 1/8	1 3/8
D								

1 Not authorized during simultaneous operations.

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-3) Eff 29 May

HOUSTON, TEXAS
RNAV (GPS) Z Rwy 9

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	120.72	127.3	118.575	121.7

WAAS	Final Apch Crs	Minimum Alt HYWAY	LPV DA(H)	Apt Elev 96′
Ch 72926 W-09A	087°	2000′ (1909′)	291′ (200′)	Rwy 9 91′

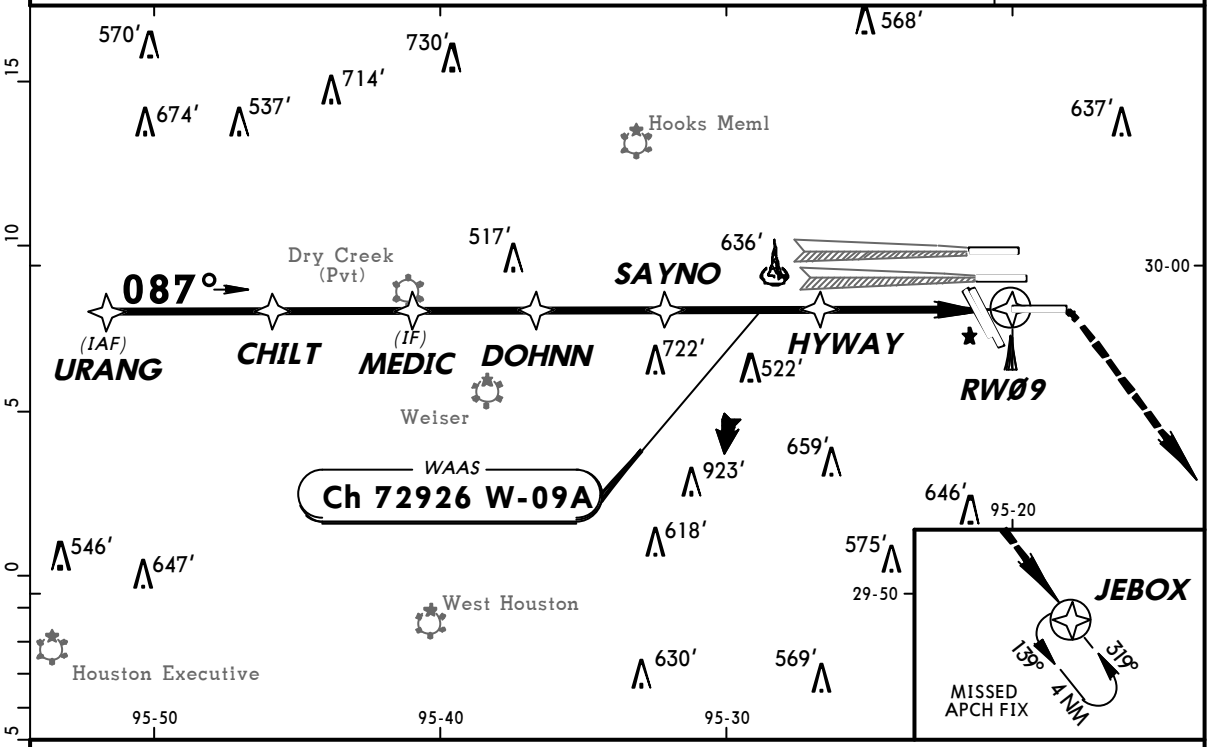
MISSED APCH: Climb to 580′, then climbing RIGHT turn to 3000′ direct JEBOX and hold.

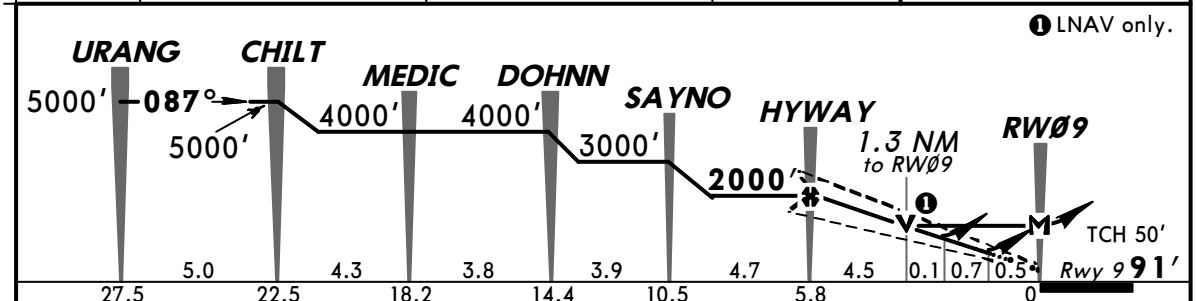
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. 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.

3100′

MSA RWØ9





Gnd speed-Kts	70	90	100	120	140	160	MALSR	580′	3000′	D	JEBOX
Glide Path Angle 3.00°	372	478	531	637	743	849	PAPI		RT		
MAP at RWØ9											

TERPS STRAIGHT-IN LANDING RWY 9

	LPV DA(H) 291′ (200′)		LNAV/VNAV DA(H) 525′ (434′)		1 LNAV MDA(H) 580′ (489′)		
	RAIL out	ALS out	RAIL out	ALS out		RAIL out	ALS out
A	RVR 24 or ½	RVR 40 or ¾	RVR 50 or 1	1⅜	RVR 24 or ½	RVR 40 or ¾	RVR 55 or 1
B							
C					RVR 50 or 1	RVR 60 or 1⅛	1⅜
D							

1 Not authorized during simultaneous operations.

TERPS AMEND 5 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN

23 MAY 14 (72-4) Eff 29 May

HOUSTON, TEXAS
RNAV (GPS) 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	120.72	125.35	135.15	121.7	118.575

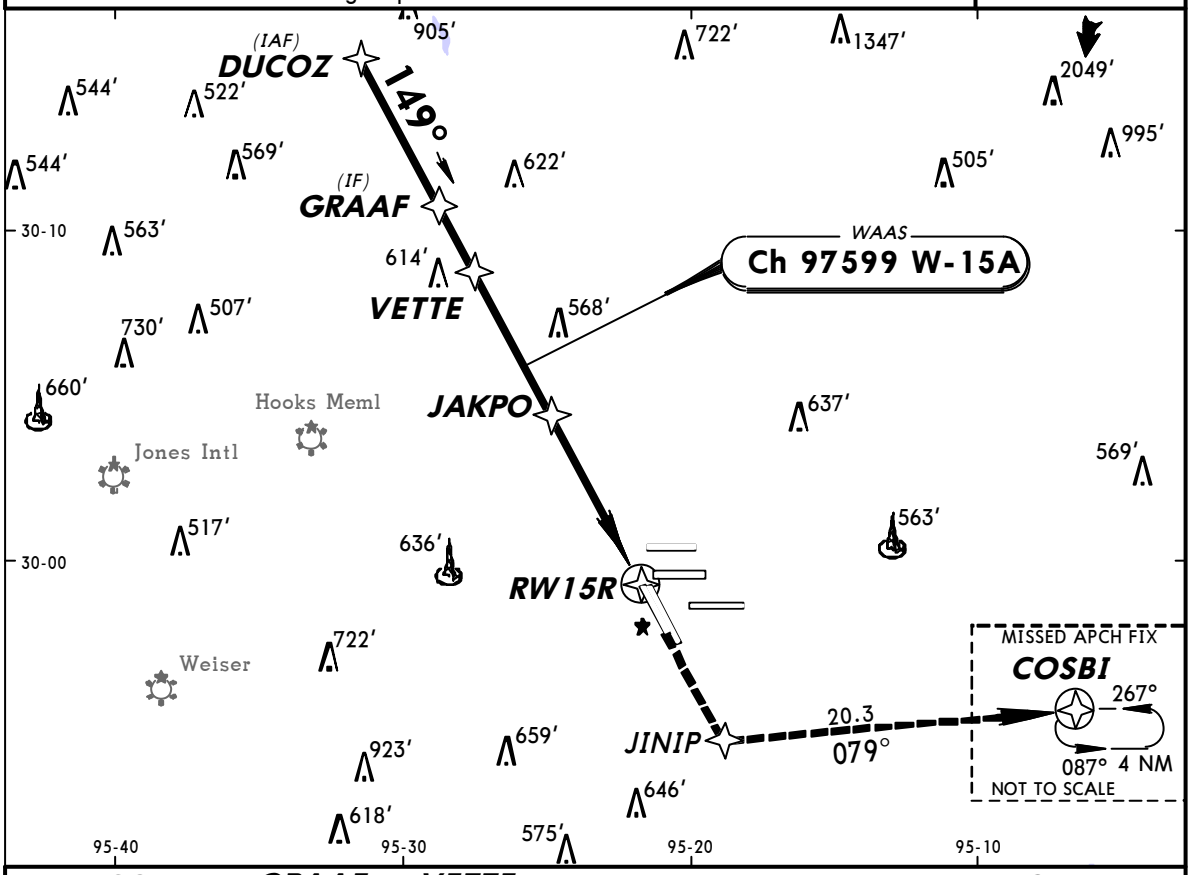
WAAS	Final Apch Crs	Minimum Alt JAKPO	LPV DA(H)	Apt Elev 96′
Ch 97599 W-15A	149°	2000′ (1904′)	296′ (200′)	Rwy 15R 96′

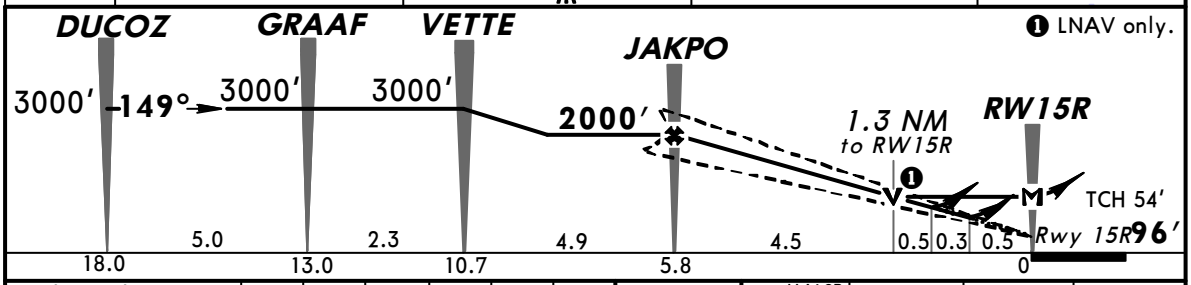
3100′
MSA RW15R

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′

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.





Gnd speed-Kts	70	90	100	120	140	160
Glide Path Angle 3.00°	372	478	531	637	743	849
MAP at RW15R						

MALSR
PAPI
2000′
D
JINIP

TERPS STRAIGHT-IN LANDING RWY **15R**

	LPV DA(H) 296′ (200′)		LNAV/VNAV DA(H) 420′ (324′)			LNAV MDA(H) 580′ (484′)		
		RAIL out	ALS out		RAIL out	ALS out		RAIL out	ALS out
A	RVR 24 or ½	RVR 40 or ¾		RVR 28 or ½	RVR 40 or ¾	RVR 50 or 1	RVR 24 or ½	RVR 40 or ¾	RVR 55 or 1
B									
C							RVR 50 or 1	RVR 60 or 1⅛	1⅜
D									

TERPS AMEND 2 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-5) Eff 29 May

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	Final Apch Crs	Minimum Alt	LPV DA(H)	Apt Elev 96′
Ch 49226 W-26D	267°	JEPNI 2000′ (1907′)	293′ (200′)	Rwy 26L 93′

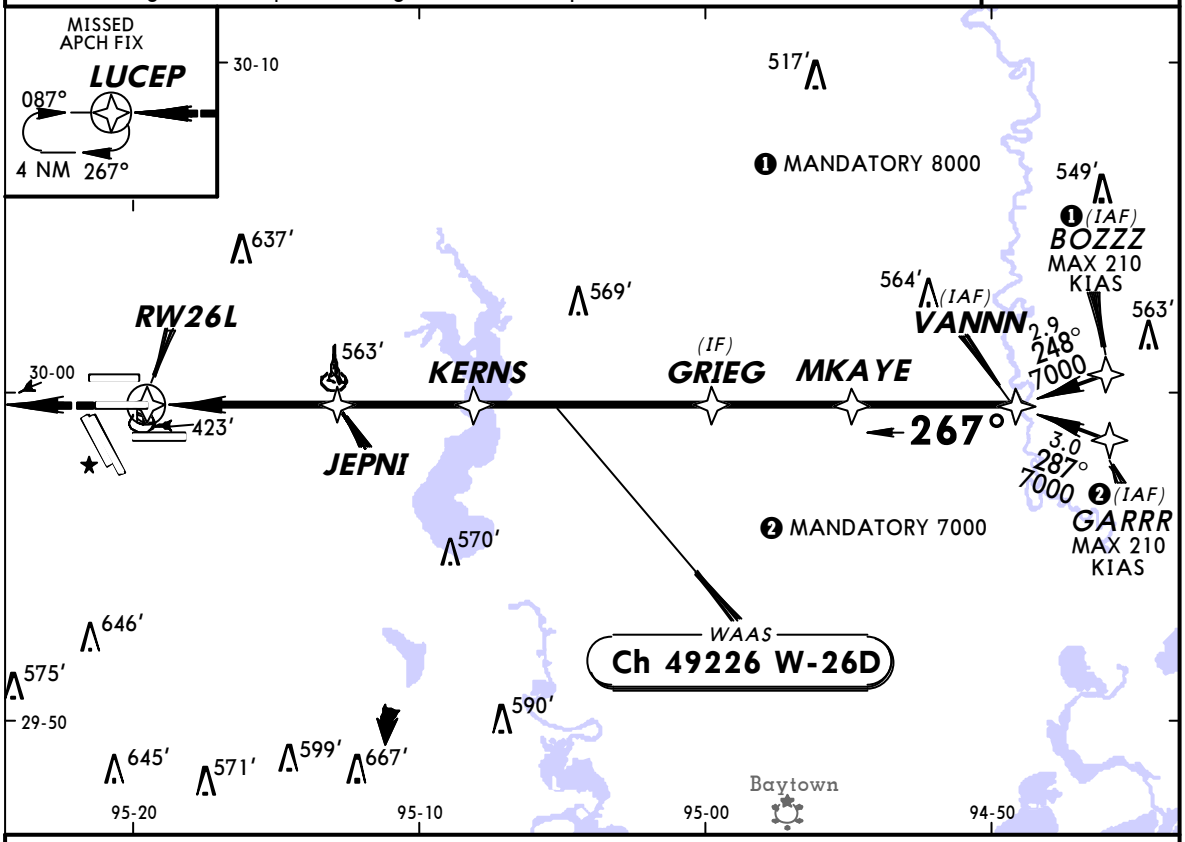
MISSED APCH: Climb to 3000′ direct LUCEP and hold.

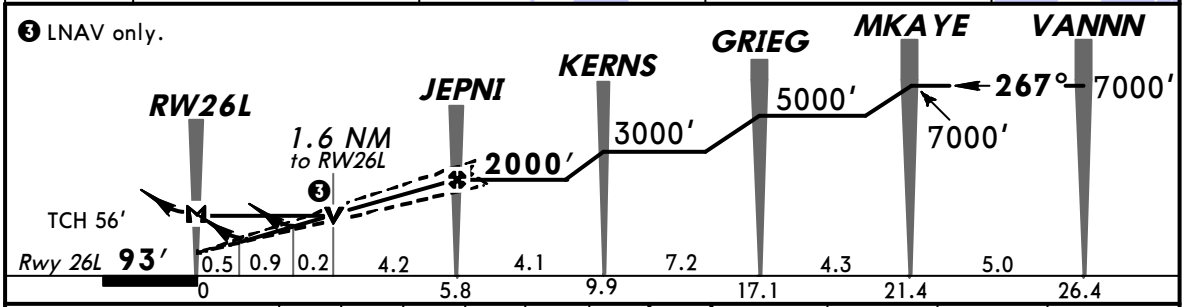
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

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. VGSI 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.

3100′

MSA RW26L





Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW26L							

ALSF-II PAPI 3000′ LUCEP

TERPS STRAIGHT-IN LANDING RWY **26L**

	LPV DA(H) 293′ (200′)		LNAV/VNAV DA(H) 584′ (491′)		❶ LNAV MDA(H) 680′ (587′)	
		ALS out		ALS out		ALS out
A	RVR 24 or 1/2	RVR 40 or 3/4	RVR 60 or 1 1/8	1 5/8	RVR 24 or 1/2	RVR 55 or 1
B						
C					1 1/4	1 3/4
D						

❶ Procedure not authorized during simultaneous operations.

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-6) Eff 29 May

HOUSTON, TEXAS RNAV (GPS) Z Rwy 26R

BRIEFING STRIP ™

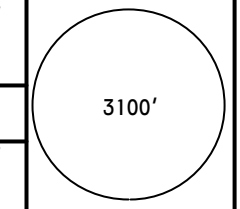
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7

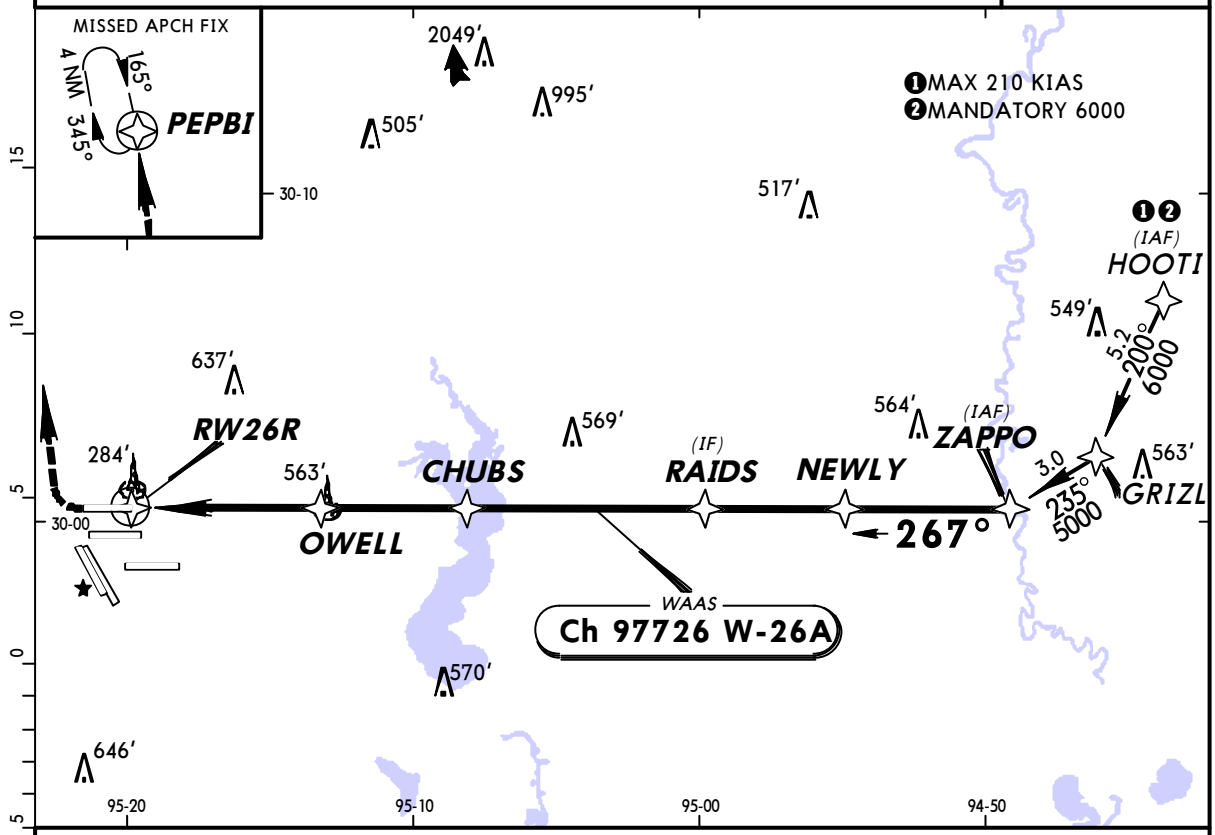
WAAS	Final Apch Crs	Minimum Alt OWELL	LPV DA(H)	Apt Elev / Rwy 26R
Ch 97726 W-26A	267°	2000′ (1905′)	295′ (200′)	96′ / 95′

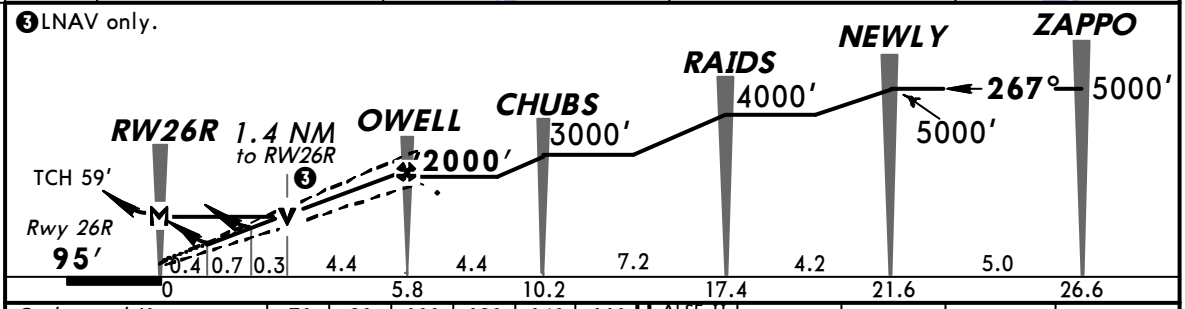
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ direct PEPBI and hold.

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
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW26R							

ALSF-II | 600′ | 3000′ RT | D | PEPBI

TERPS STRAIGHT-IN LANDING RWY **26R**

	LPV DA(H) 295′ (200′)		LNAV/VNAV DA(H) 495′ (400′)		❶ LNAV MDA(H) 600′ (505′)	
		ALS out		ALS out		ALS out
A	RVR 24 or ½	RVR 40 or ¾	RVR 42 or ¾	1¼	RVR 24 or ½	RVR 55 or 1
B						
C					RVR 55 or 1	1⅜
D						

❶ Procedure not authorized during simultaneous operations.

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-7) Eff 29 May

HOUSTON, TEXAS RNAV (GPS) Z Rwy 27

BRIEFING STRIP™

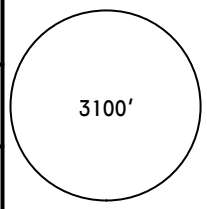
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

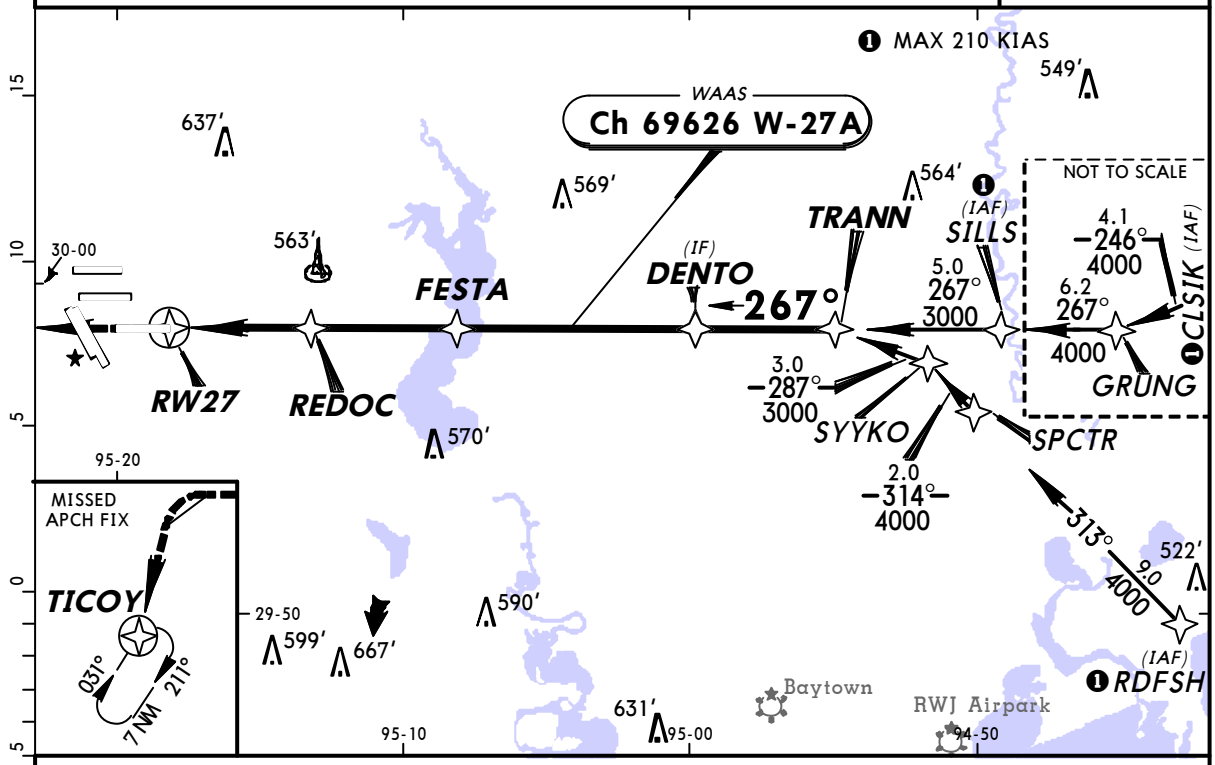
WAAS	Final Apch Crs	Minimum Alt REDOC	LPV DA(H)	Apt Elev 96′
Ch 69626 W-27A	267°	1500′ (1415′)	285′ (200′)	Rwy 27 85′

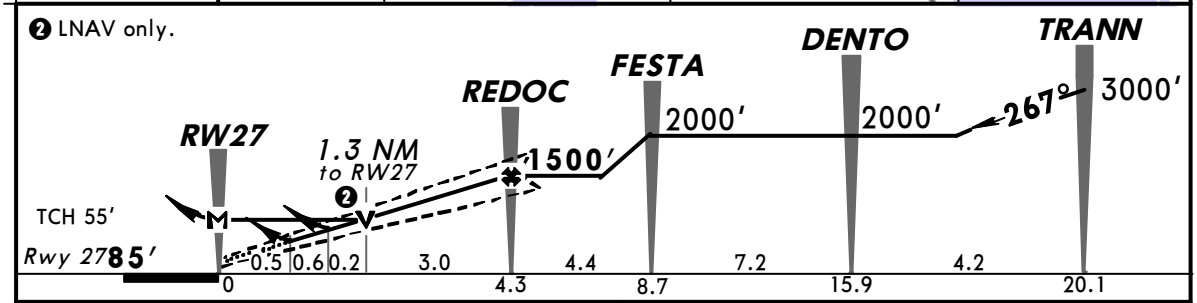
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3100′ direct TICOY and hold.

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

1. For uncompensated Baro-VNAV systems, LNAV/VNAV not authorized below -3°C (27°F) or above 54°C (130°F). 2. DME/DME RNP-0.30 not authorized. 3. VGSI and RNAV glidepath not coincident. 4. Simultaneous approach authorized with Rwy 26L/R. 5. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations.







Gnd speed-Kts	70	90	100	120	140	160
Glide Path Angle 3.00°	372	478	531	637	743	849
MAP at RW27						

ALSF-II PAPI | 560′ | 3100′ LT | TICOY

TERPS STRAIGHT-IN LANDING RWY 27

	LPV DA(H) 285′ (200′)		LNAV/VNAV DA(H) 475′ (390′)		1 LNAV MDA(H) 560′ (475′)	
		ALS out		ALS out		ALS out
A	RVR 24 or 1/2	RVR 40 or 3/4	RVR 40 or 3/4	1 1/4	RVR 24 or 1/2	RVR 55 or 1
B						
C					RVR 50 or 1	1 3/8
D						

1 Not authorized during simultaneous operations.

TERPS AMEND 4 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-8) Eff 29 May

HOUSTON, TEXAS
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	120.72	135.15	121.7	118.575

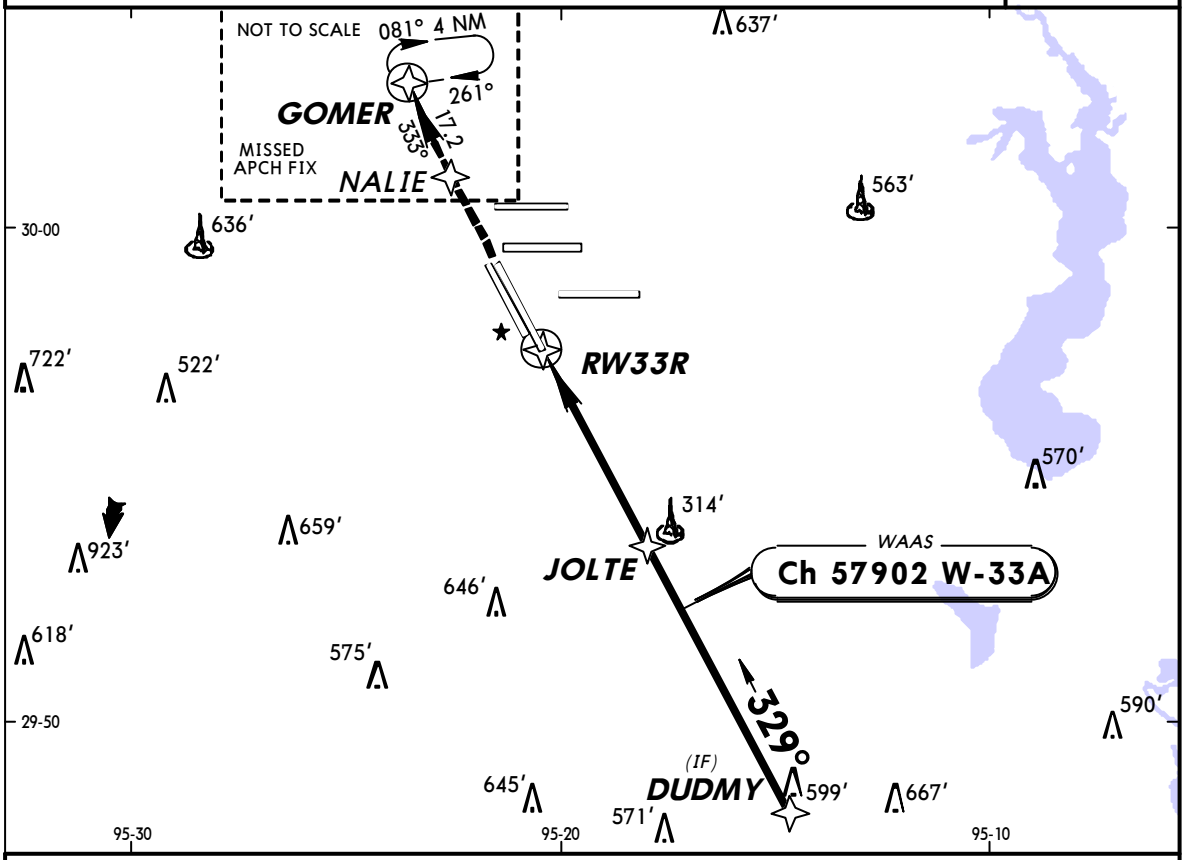
WAAS	Final Apch Crs	Minimum Alt JOLTE	LPV DA(H)	Apt Elev 96′
Ch 57902 W-33A	329°	1600′ (1514′)	286′ (200′)	Rwy 33R 86′

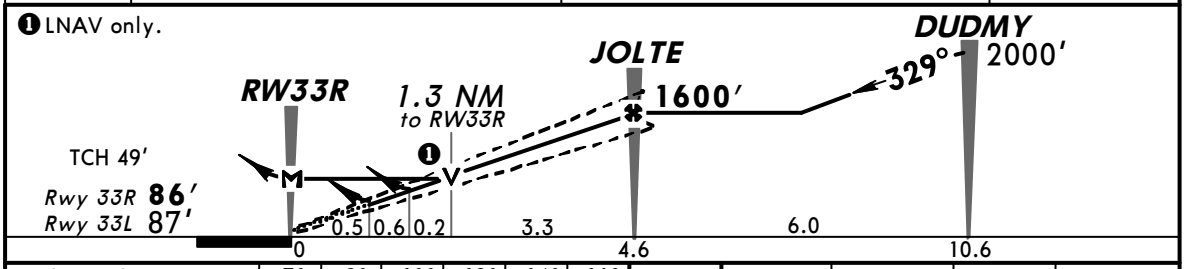
MISSED APCH: Climb to 2000′ direct NALIE and on track 333° to GOMER and hold.

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. PAPI-R on Rwy 33L.

3100′
MSA RW33R





Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW33R							

MALSR 2000′ D NALIE

TERPS STRAIGHT-IN LANDING RWY **33R**

	LPV DA(H) 286′ (200′)		LNAV/VNAV DA(H) 487′ (401′)			LNAV MDA(H) 540′ (454′)			SIDESTEP LANDING RWY 33L MDA(H) 540′ (453′)
		RAIL or ALS out		RAIL out	ALS out		RAIL out	ALS out	
A	RVR 24 or ½	RVR 40 or ¾	RVR 45 or ⅞	RVR 50 or 1	1¼	RVR 24 or ½	RVR 40 or ¾	RVR 55 or 1	1
B									
C						RVR 45 or ⅞	RVR 55 or 1	1⅜	1½
D									2

TERPS AMEND 2 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-20) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y 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

RNAV	Final Apch Crs	Minimum Alt	RNP 0.30 DA(H)	Apt Elev / Rwy 8L
	087°	JACEN 2000′ (1909′)	506′ (415′)	96′ / 91′

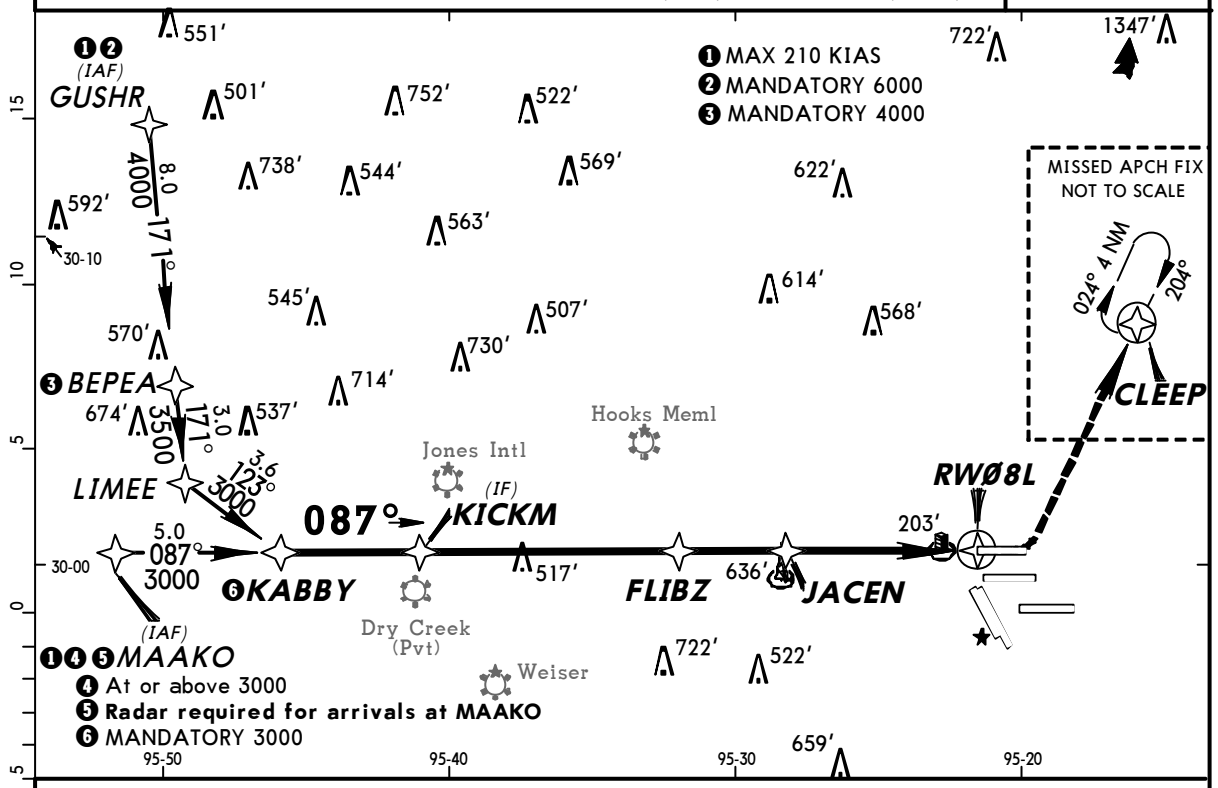
MISSED APCH: Climb to 580′ then climbing LEFT turn to 4000′ direct CLEEP and hold.

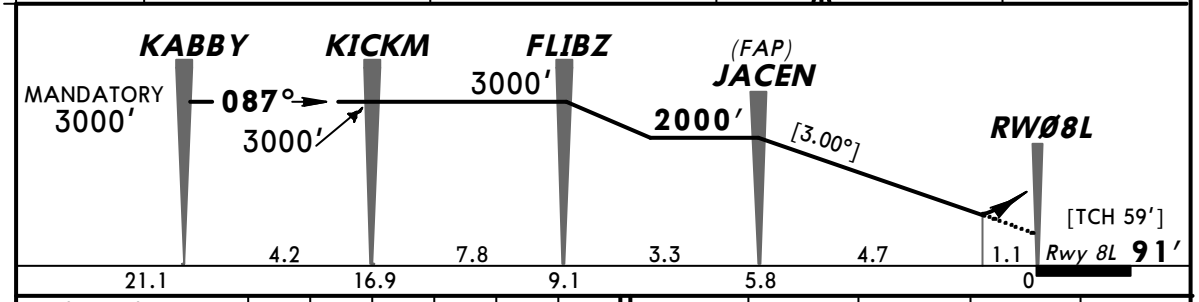
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. AUTHORIZATION REQUIRED. 2. GPS required. 3. Simultaneous approach authorized with Rwy 8R and Rwy 9. 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).

3100′

MSA RWØ8L





Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.00°]	372	478	531	637	743	849
MAP at DA						

ALSF-II | 580′ | 4000′ LT | D | CLEEP

TERPS

STRAIGHT-IN LANDING RWY **8L**
RNP 0.30
DA(H) **506′** (415′)

	ALS out
A	
B	RVR 45 or 7/8
C	
D	1 3/8

TERPS AMEND 0 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-21) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 8R

BRIEFING STRIP TM

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

RNAV	Final Apch Crs	Minimum Alt	RNP 0.13 DA(H)	Apt Elev / Rwy 8R
	087°	MATON 2000′ (1905′)	383′ (288′)	96′ / 95′

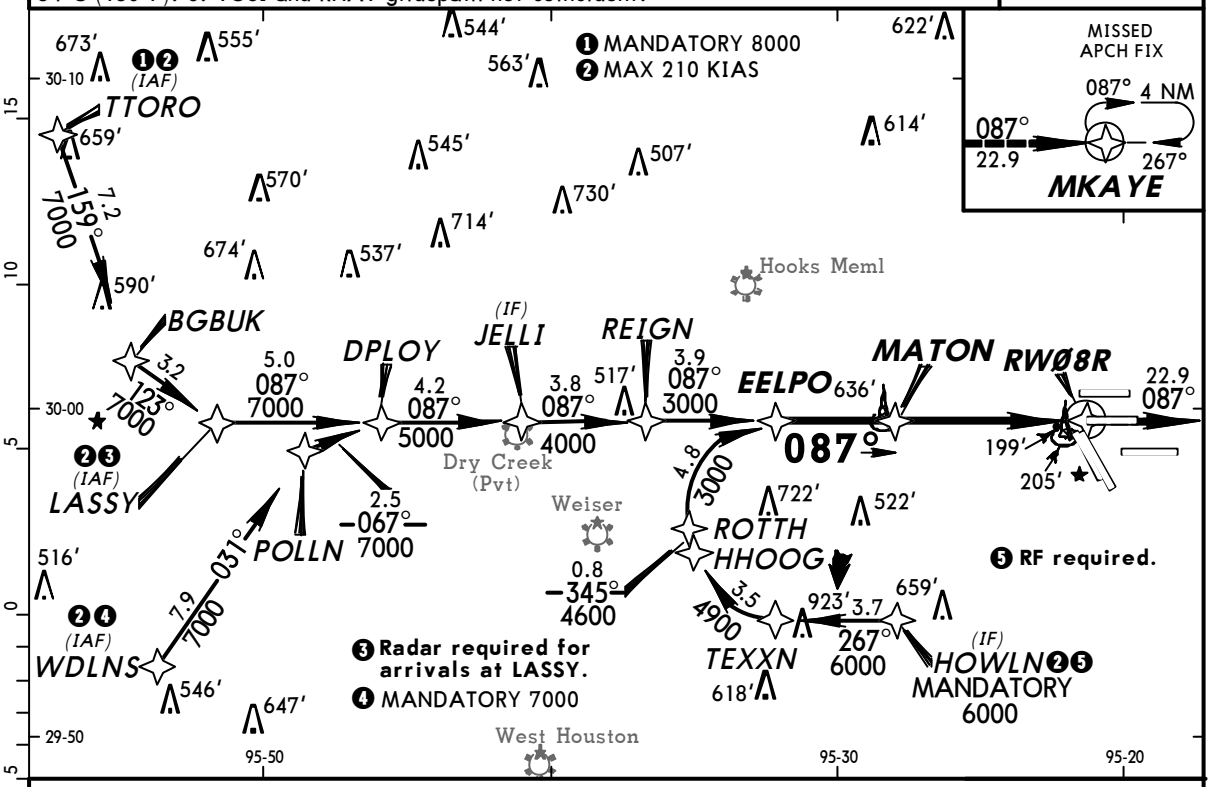
MISSED APCH: Climb to 3000′ on track 087° to MKAYE and hold.

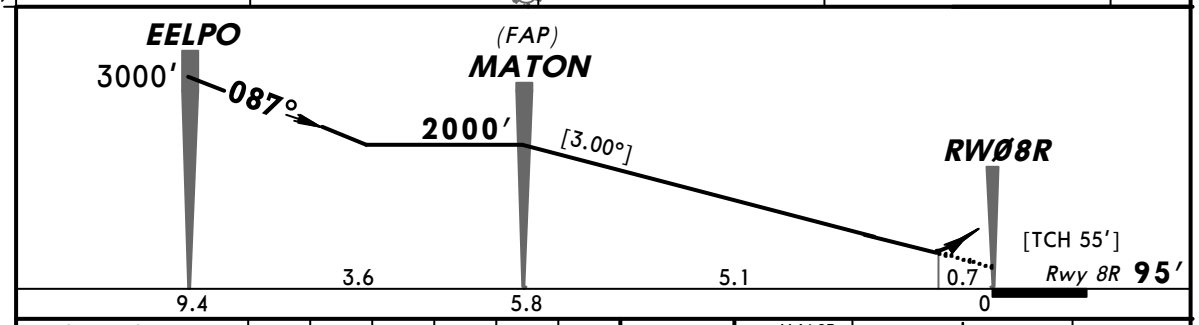
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. AUTHORIZATION REQUIRED. 2. GPS required. 3. Simultaneous approach authorized with Rwy 8L and Rwy 9. 4. Use of Flight Director or Autopilot or HUD 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 RWØ8R





Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.00°]	372	478	531	637	743	849
MAP at DA						

MALSR PAPI 3000′ on 087° MKAYE

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 out	ALS out	RAIL out	ALS out		RAIL out	ALS out
A	RVR 40 or ¾	RVR 45 or ⅞	RVR 40 or ¾	RVR 56 or 1	RVR 42 or ¾	RVR 45 or ⅞	1¼
B							
C							
D							

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-22) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 9

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	120.72	127.3	118.575	121.7

RNAV	Final Apch Crs	Minimum Alt HYWAY	RNP 0.30 DA(H)	Apt Elev / Rwy 9
	087°	2000′ (1909′)	516′ (425′)	96′ / 91′

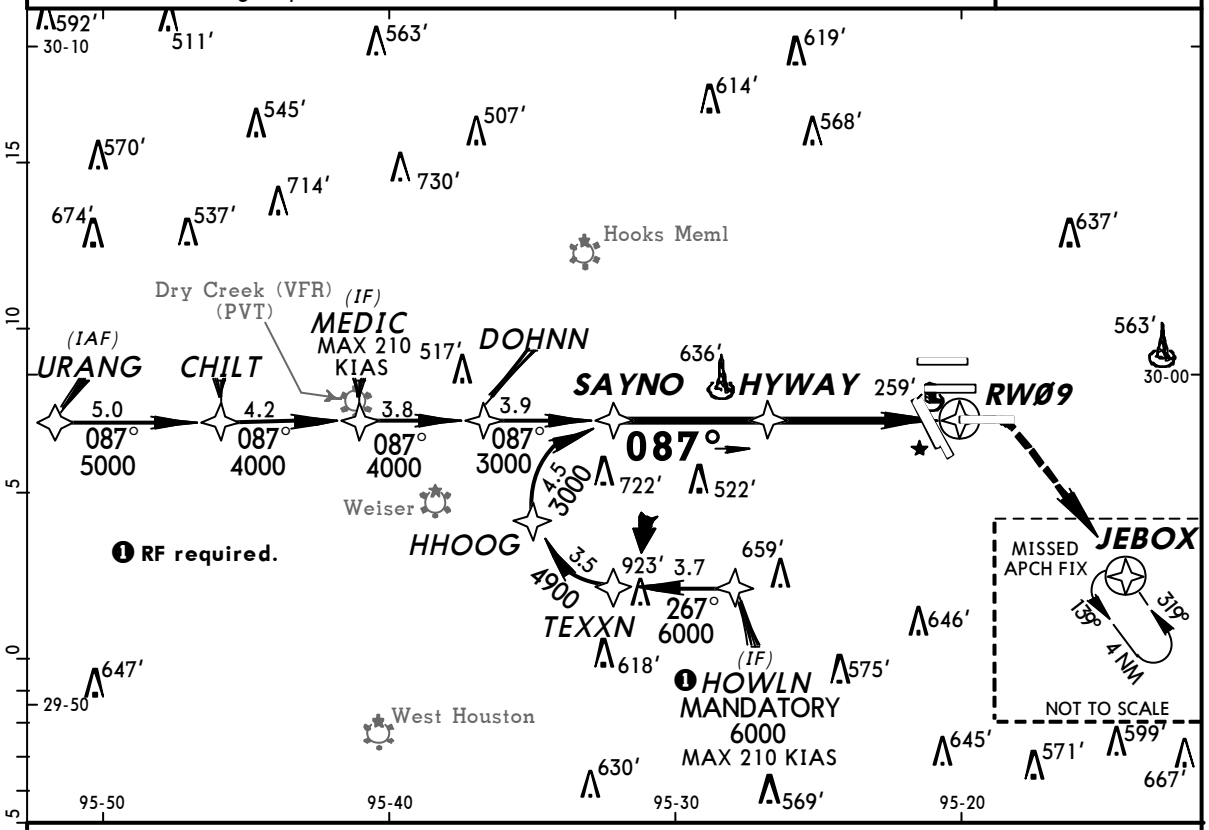
MISSED APCH: Climb to 580′ then climbing RIGHT turn to 3000′ direct JEBOX and hold.

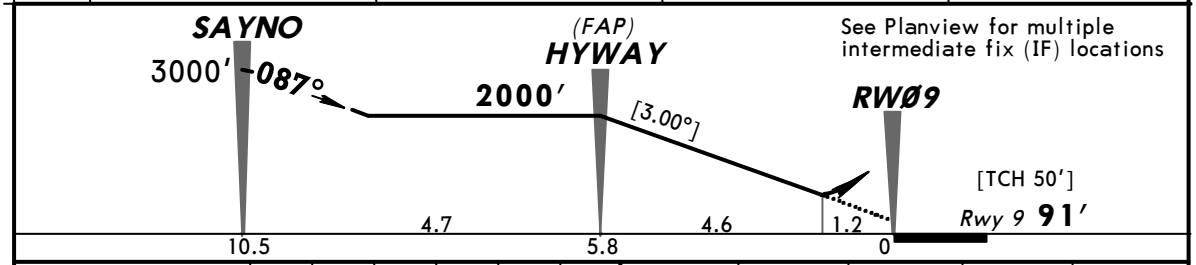
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. AUTHORIZATION REQUIRED. 2. GPS required. 3. Simultaneous approach authorized with Rwy 8L and Rwy 9. 4. Use of Flight Director or Autopilot or HUD 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 RWØ9





Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.00°]	372	478	531	637	743	849
MAP at DA						

MALSR PAPI | 580′ | 3000′ RT | D | JEBOX

TERPS

STRAIGHT-IN LANDING RWY **9**
RNP 0.30
DA(H) **516′** (425′)

	RAIL out	ALS out
A	RVR 49 or 7/8	RVR 50 or 1
B		
C		1 3/8
D		

TERPS AMEND 0 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-23) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y 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 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.72	135.15	127.3	118.575	121.7

RNAV	Final Apch Crs	Minimum Alt JEPNI	RNP 0.13 DA(H)	Apt Elev / Rwy 26L
	267°	2000′ (1907′)	412′ (319′)	96′ / 93′

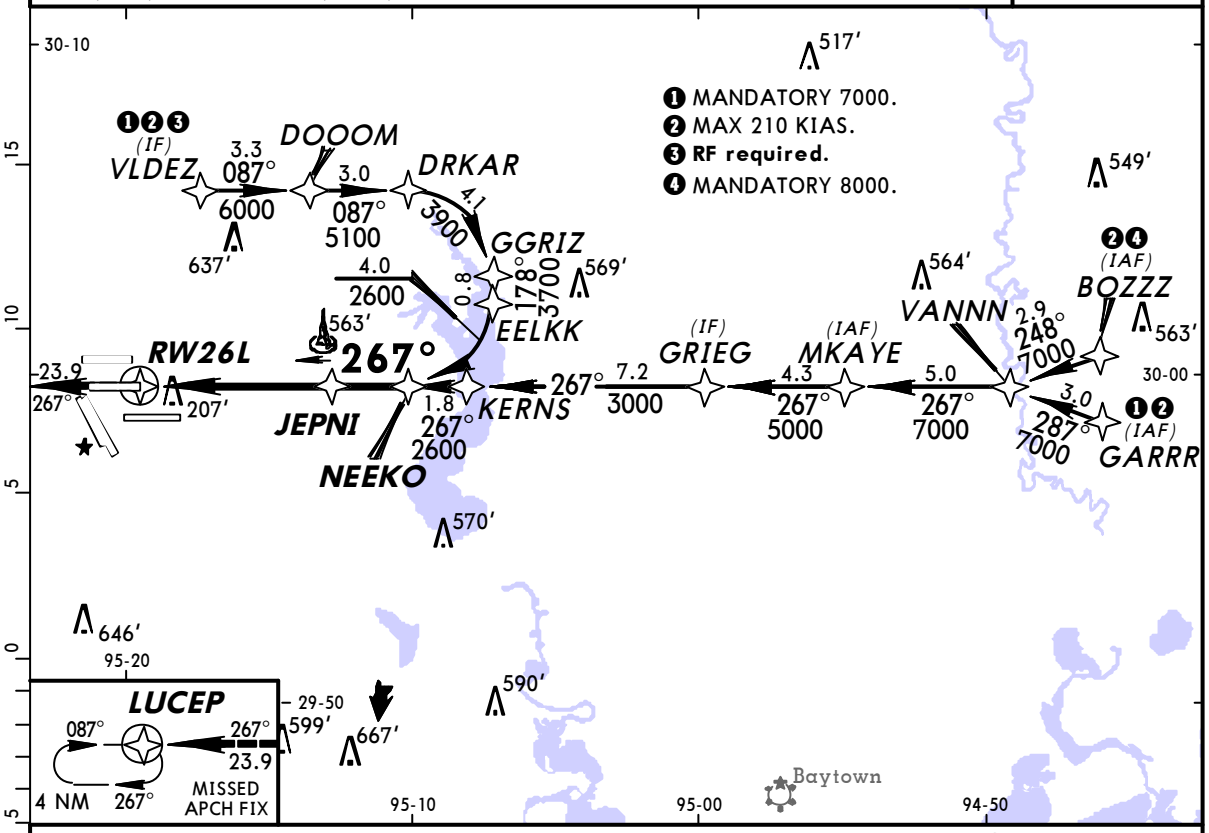
MISSED APCH: Climb to 3000′ on track 267° to LUCEP and hold.

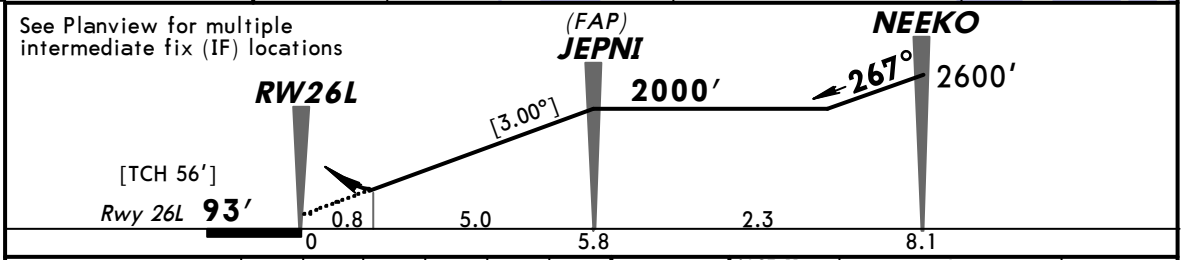
3100′

MSA RW26L

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

1. AUTHORIZATION REQUIRED. 2. GPS required 3. Radar required. 4. Simultaneous approach authorized with Rwy 26R and Rwy 27, except for arrivals at VLDEZ. 5. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 6. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C (27°F) or above 54°C (130°F). 7. VGSI and RNAV glidepath not coincident.





Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.00°]	372	478	531	637	743	849
MAP at DA						

ALSF-II PAPI

3000′ on 267° LUCEP

TERPS STRAIGHT-IN LANDING RWY 26L

	RNP 0.13 DA(H) 412′ (319′)		RNP 0.30 DA(H) 547′ (454′)	
		ALS out		ALS out
A	RVR 40 or ¾	RVR 51 or 1	RVR 53 or 1	1½
B				
C				
D				

TERPS AMEND 0 29 MAY 2014

CHANGES: New procedure.

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JeppView 3.7.5.0

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-24) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y Rwy 26R

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 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.72	135.15	127.3	118.575	121.7

RNAV	Final Apch Crs	Minimum Alt	RNP 0.11 DA(H)	Apt Elev 96′
	267°	OWELL 2000′ (1905′)	428′ (333′)	Rwy 26R 95′

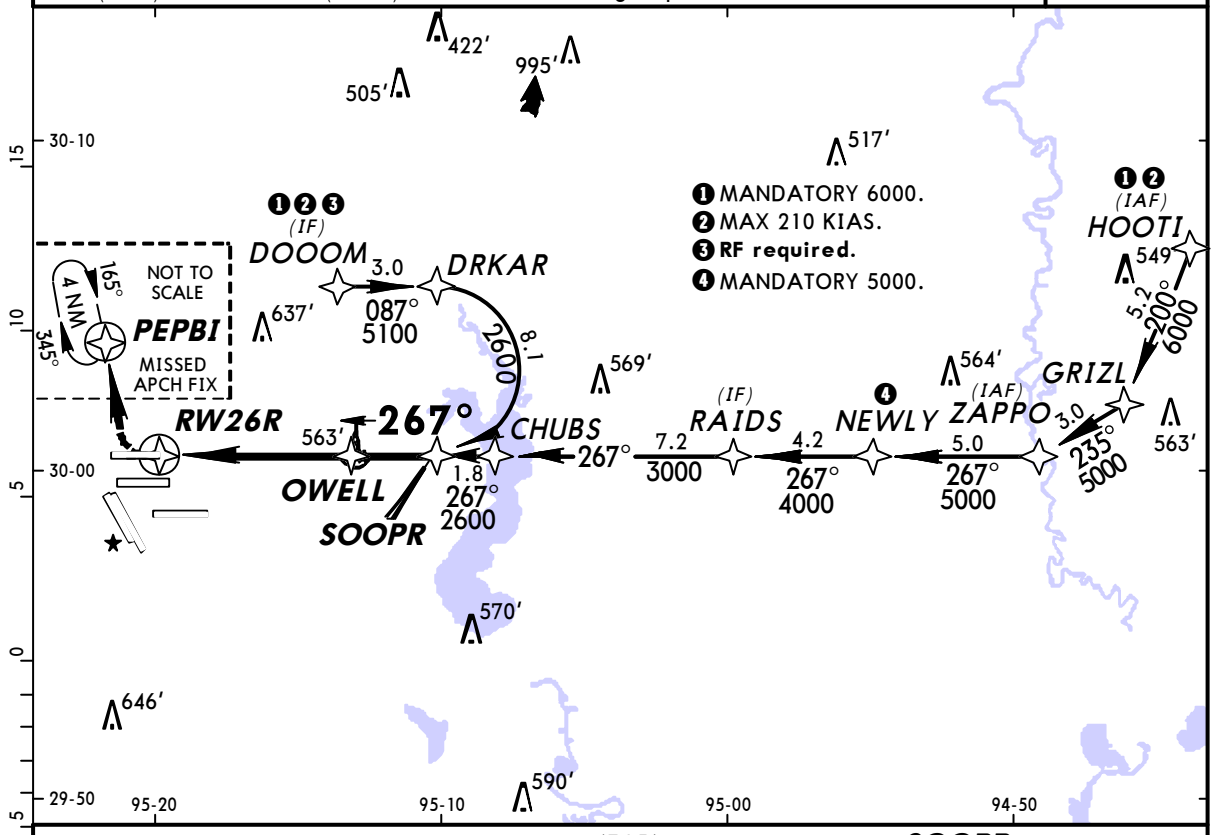
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ direct PEPBI and hold.

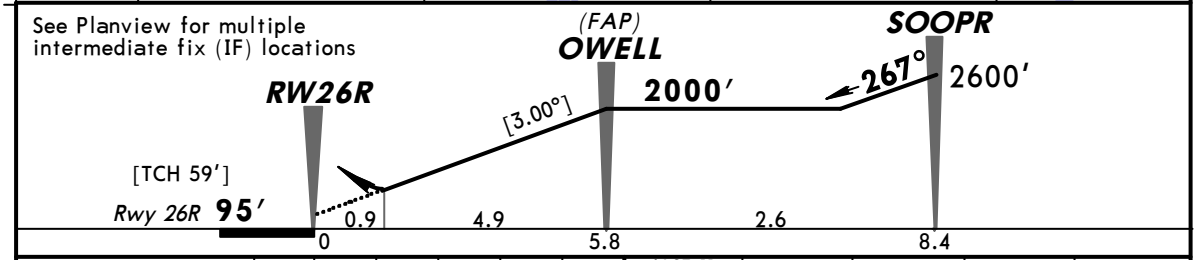
3100′

MSA RW26R

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

1. AUTHORIZATION REQUIRED. 2. GPS required 3. Radar required. 4. Simultaneous approach authorized with Rwys 26L and Rwy 27, except for arrivals at DOOOM. 5. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 6. For uncompensated Baro-VNAV systems, procedure not authorized below -3°C (27°F) or above 54°C (130°F). 7. VGSI and RNAV glidepath not coincident.





Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600′	3000′ RT		PEPBI
Descent Angle [3.00°]	372	478	531	637	743	849					
MAP at DA											

TERPS STRAIGHT-IN LANDING RWY **26R**

	RNP 0.11 DA(H) 428′ (333′)		RNP 0.15 DA(H) 495′ (400′)		RNP 0.30 DA(H) 553′ (458′)	
		ALS out		ALS out		ALS out
A	RVR 40 or ¾	RVR 53 or 1	RVR 42 or ¾	1¼	RVR 53 or 1	1½
B						
C						
D						

TERPS AMEND 0 29 MAY 2014

CHANGES: New procedure.

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KIAH/IAH GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-25) Eff 29 May

HOUSTON, TEXAS
RNAV (RNP) Y 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	120.72	127.3	118.575	121.7

RNAV	Final Apch Crs	Minimum Alt	RNP 0.30 DA(H)	Apt Elev 96′
	267°	REDOC 1500′ (1415′)	387′ (302′)	Rwy 27 85′

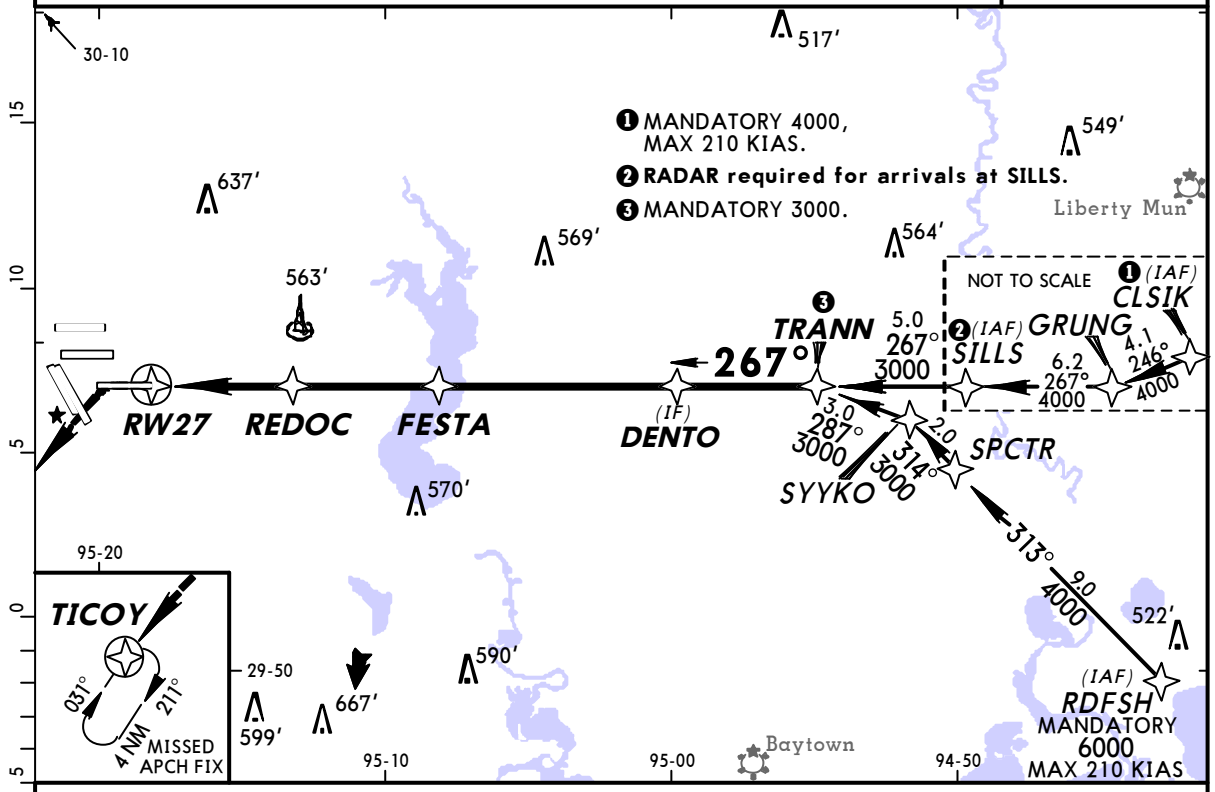
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3000′ direct TICOY and hold.

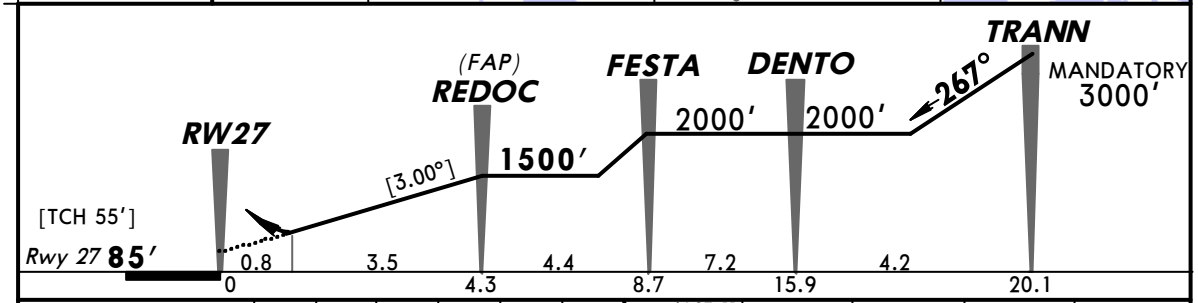
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. AUTHORIZATION REQUIRED. 2. GPS required. 3. Simultaneous approach authorized with Rwys 26L/R. 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 RW27





Gnd speed-Kts	70	90	100	120	140	160
Descent Angle [3.00°]	372	478	531	637	743	849
MAP at DA						

ALSF-II PAPI 560′ 3000′ LT D TICOY

TERPS

STRAIGHT-IN LANDING RWY **27**
RNP 0.30
DA(H) **387′** (302′)

	ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 48 or 7/8

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN 23 MAY 14 (72-40) Eff 29 May

HOUSTON, TEXAS
GLS Rwy 8L

BRIEFING STRIP ™

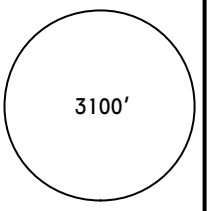
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8L/26R	Rwy 8R/26L	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8L/26R, 8R/26L, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	120.72	125.35	135.15	127.3	118.575	121.7

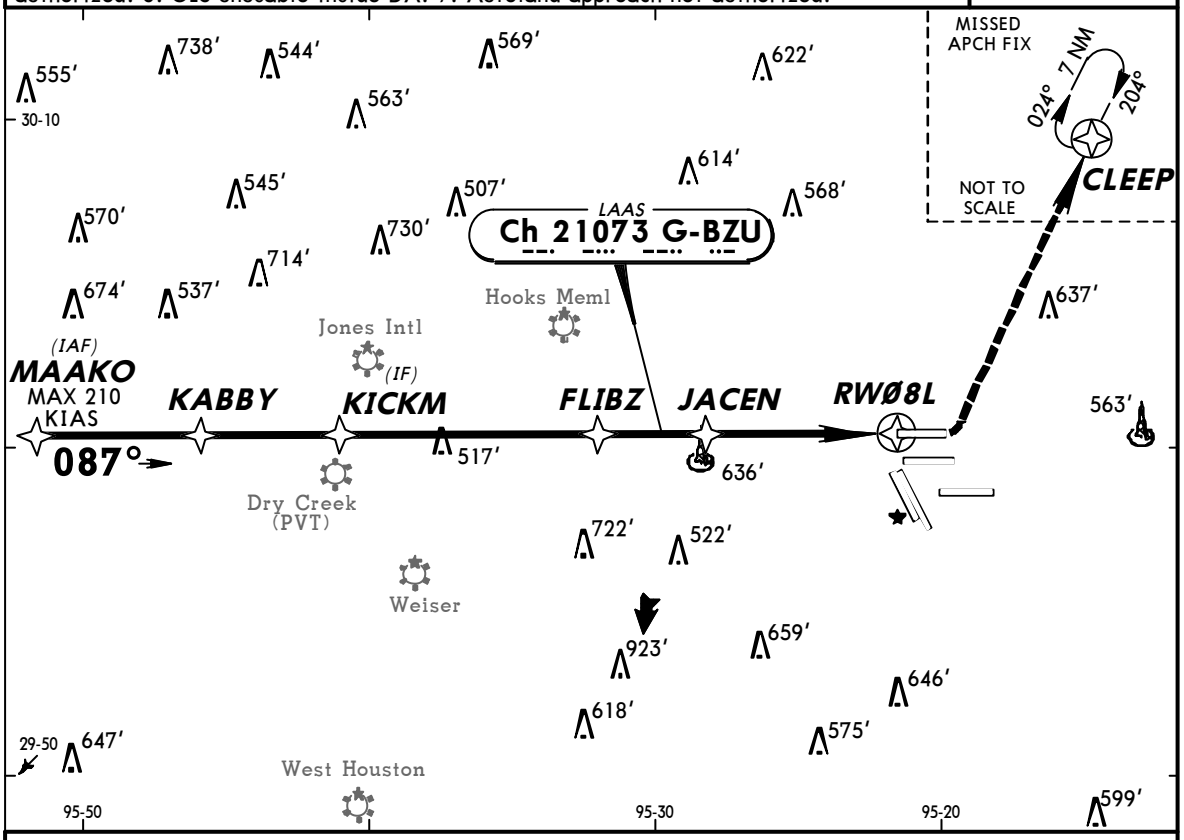
LAAS	Final Apch Crs	Minimum Alt	GLS DA(H)	Apt Elev / Rwy 8L
Ch 21073 G-BZU	087°	JACEN 2000′ (1909′)	291′ (200′)	Apt Elev 96′ / Rwy 8L 91′

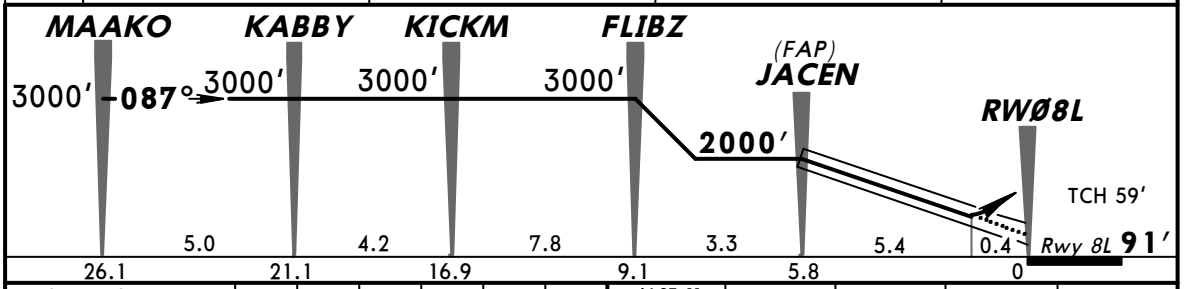
MISSED APCH: Climb to 580′ then climbing LEFT turn to 4000′ direct CLEEP and hold.

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

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 8R and Rwy 9. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. GLS unusable inside DA. 7. Autoland approach not authorized.







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	849			LT		
MAP at DA											

TERPS

STRAIGHT-IN LANDING RWY **8L**
GLS
DA(H) **291′** (200′)

	ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 40 or 3/4

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH
INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-41) Eff 29 May

HOUSTON, TEXAS
GLS Rwy 8R

BRIEFING STRIP TM

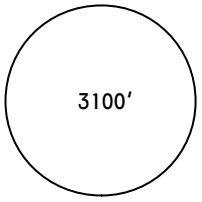
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 8R/26L	Rwy 8L/26R	Rwy 9/27	Rwys 15L/33R, 15R/33L	Rwys 8R/26L, 8L/26R, 9/27	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	125.35	120.72	135.15	127.3	118.575	121.7

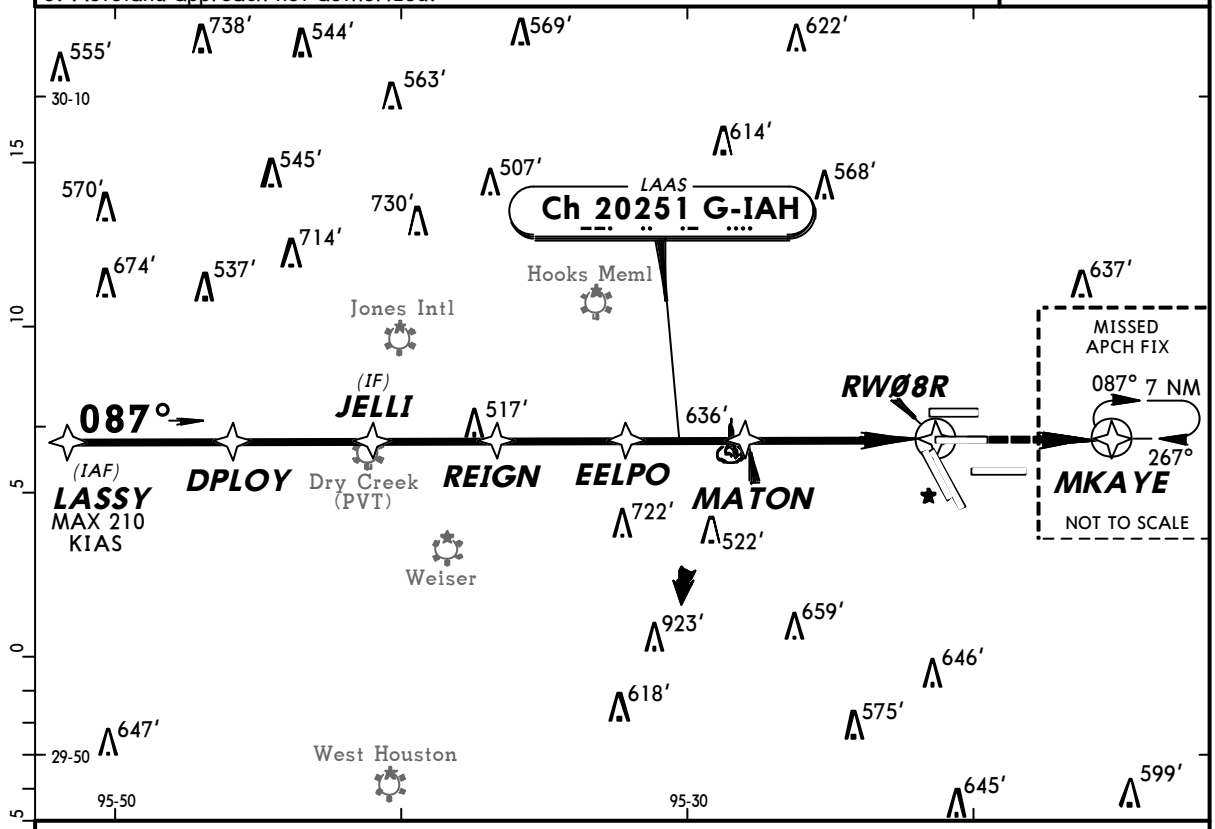
LAAS	Final Apch Crs	Minimum Alt	GLS DA(H)	Apt Elev / Rwy 8R
Ch 20251 G-IAH	087°	MATON 2000′ (1905′)	295′ (200′)	Apt Elev 96′ / Rwy 8R 95′

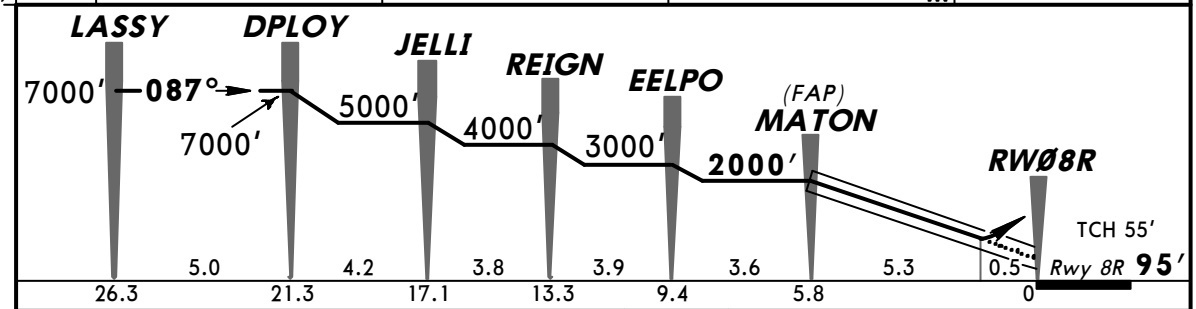
MISSED APCH: Climb to 3000′ direct MKAYE and hold.

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

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 8L and Rwy 9. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. VGSI and GLS glidepath not coincident. 7. GLS unusable inside DA. 8. Autoland approach not authorized.







Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at DA							

MALSR
PAPI
3000′
D
MKAYE

TERPS

STRAIGHT-IN LANDING RWY **8R**
GLS
DA(H) **295′** (200′)

	RAIL or ALS out
A	RVR 24 or ½
B	
C	
D	RVR 40 or ¾

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-42) Eff 29 May

HOUSTON, TEXAS
GLS Rwy 9

BRIEFING STRIP™

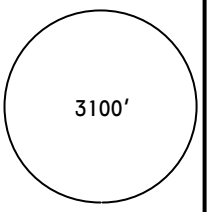
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

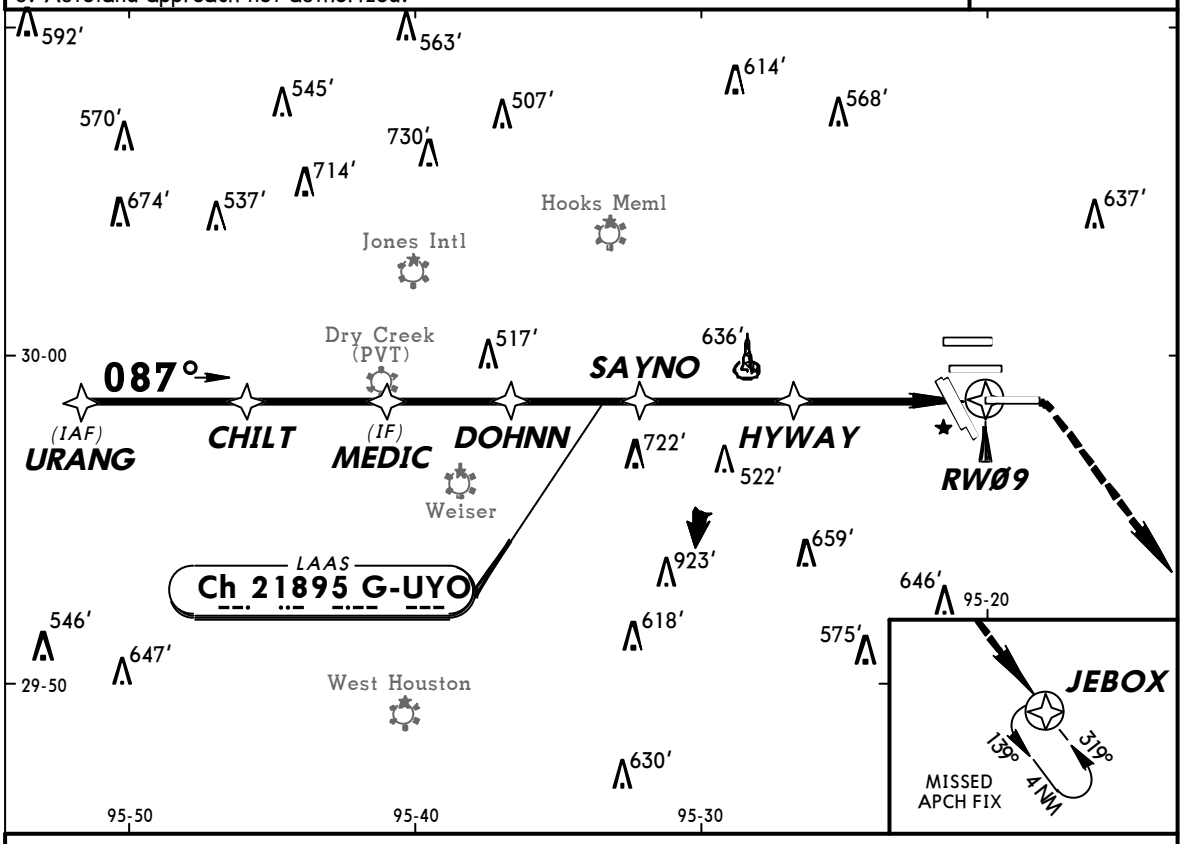
LAAS	Final Apch Crs	Minimum Alt HYWAY	GLS DA(H)	Apt Elev 96′
Ch 21895 G-UYO	087°	2000′ (1909′)	291′ (200′)	Rwy 9 91′

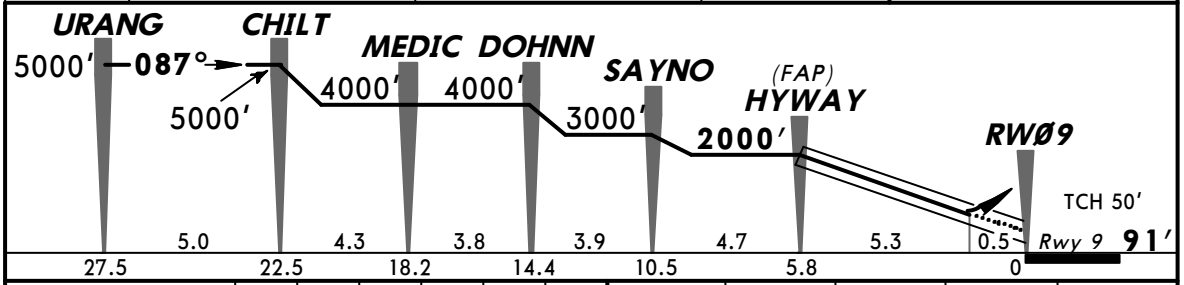
MISSED APCH: Climb to 580′ then climbing RIGHT turn to 3000′ direct JEBOX and hold.

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

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 8L and Rwy 8R. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. VGSI and GLS glidepath not coincident. 7. GLS unusable inside DA. 8. Autoland approach not authorized.







Gnd speed-Kts	70	90	100	120	140	160	MALSR	580′	3000′	D	JEBOX
Glide Path Angle 3.00°	372	478	531	637	743	849	PAPI		RT		
MAP at DA											

TERPS

STRAIGHT-IN LANDING RWY 9
GLS
DA(H) 291′ (200′)

	RAIL or ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 40 or 3/4

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-43) Eff 29 May

HOUSTON, TEXAS
GLS 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

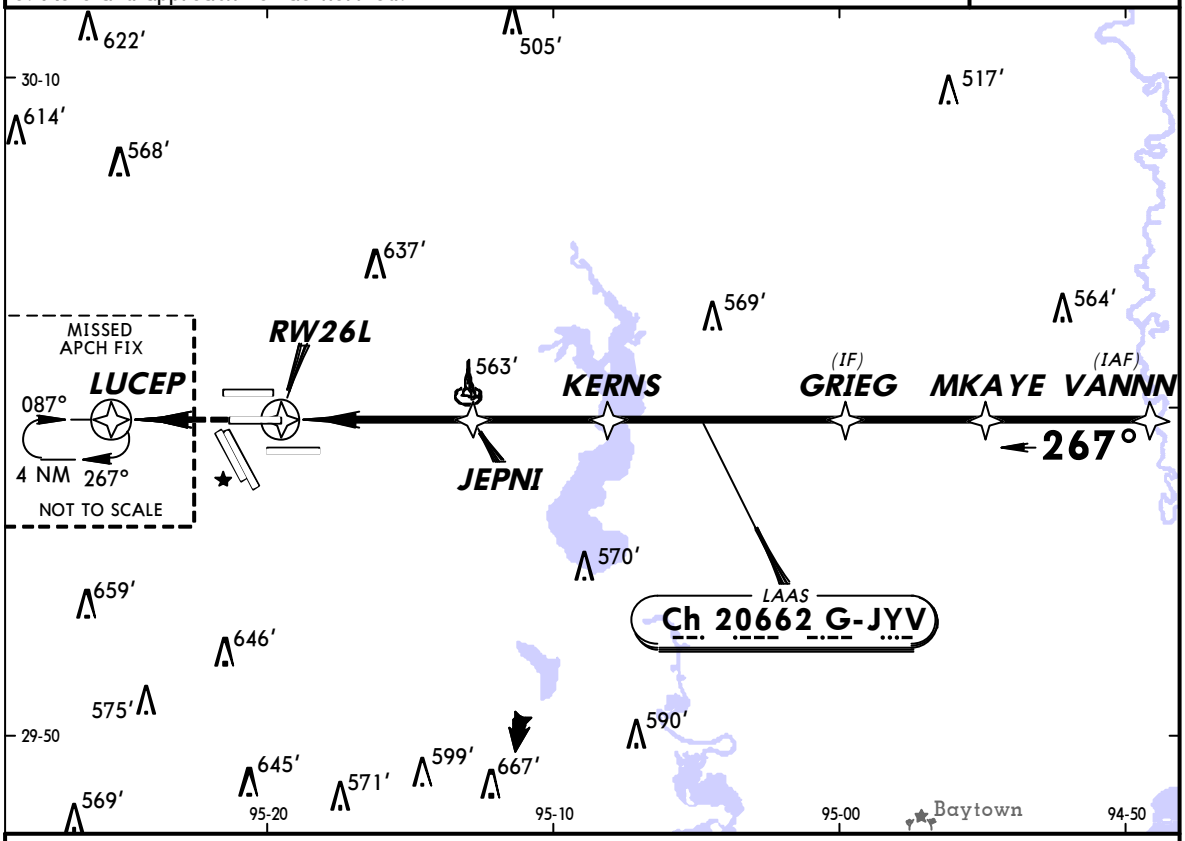
LAAS	Final Apch Crs	Minimum Alt JEPNI	GLS DA(H)	Apt Elev 96′
Ch 20662 G-JYV	267°	2000′ (1907′)	293′ (200′)	Rwy 26L 93′

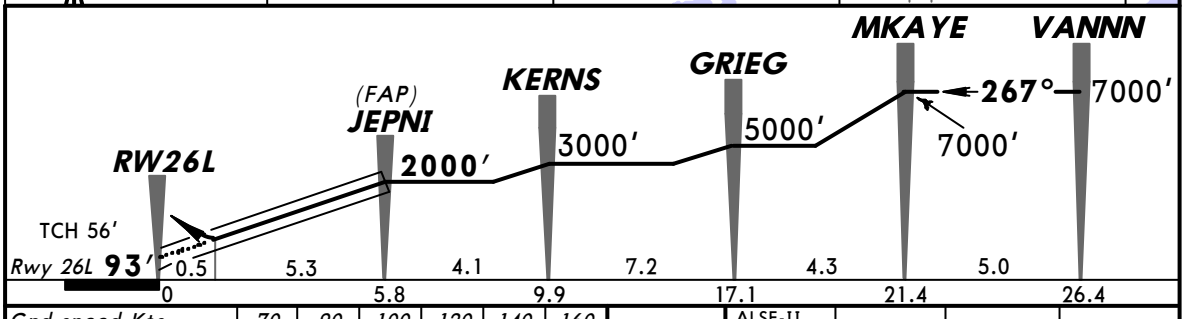
MISSED APCH: Climb to 3000′ direct LUCEP and hold.

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

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 26R and Rwy 27. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. VGSI and GLS glidepath not coincident. 7. GLS unusable inside DA. 8. Autoland approach not authorized.

3100′
MSA RW26L





Gnd speed-Kts	70	90	100	120	140	160
Glide Path Angle 3.00°	372	478	531	637	743	849
MAP at DA						

ALSF-II PAPI | 3000′ | D | LUCEP

TERPS

STRAIGHT-IN LANDING RWY **26L**
GLS
DA(H) **293′** (200′)

	ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 40 or 3/4

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-44) Eff 29 May

HOUSTON, TEXAS
GLS 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

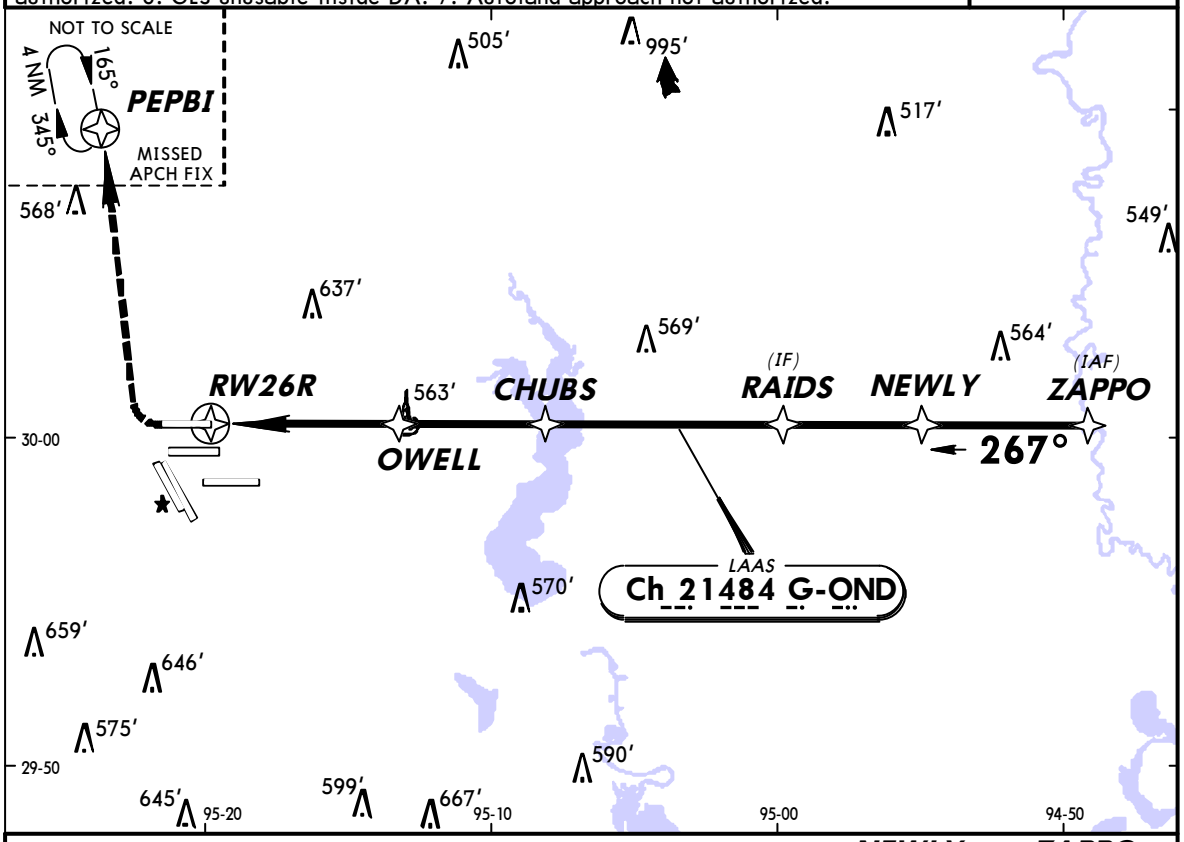
LAAS	Final Apch Crs	Minimum Alt	GLS DA(H)	Apt Elev / Rwy 26R
Ch 21484 G-OND	267°	OWELL 2000′ (1905′)	295′ (200′)	Apt Elev 96′ / Rwy 26R 95′

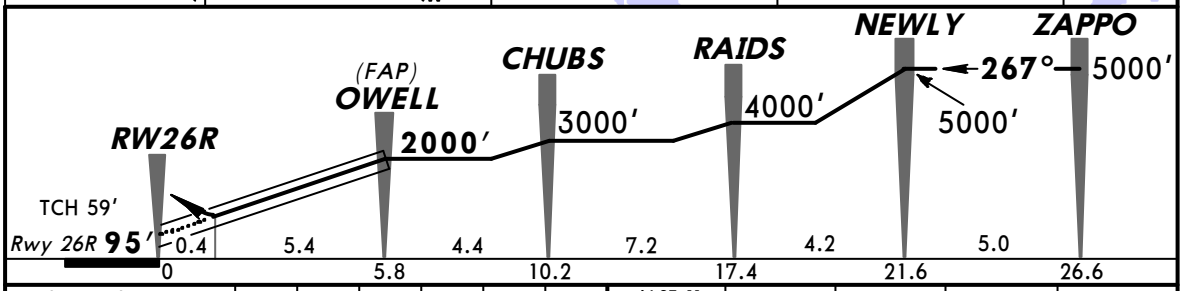
MISSED APCH: Climb to 600′ then climbing RIGHT turn to 3000′ direct PEPBI and hold.

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

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 26L and Rwy 27. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. GLS unusable inside DA. 7. Autoland approach not authorized.

3100′
MSA RW26R





Gnd speed-Kts	70	90	100	120	140	160	ALSF-II	600′	3000′ RT	D	PEPBI
Glide Path Angle 3.00°	372	478	531	637	743	849					
MAP at DA											

TERPS

STRAIGHT-IN LANDING RWY **26R**
GLS
DA(H) **295′** (200′)

TERPS AMEND 1 29 MAY 2014

	ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 40 or 3/4

CHANGES: Procedure.

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KIAH/IAH
GEORGE BUSH INTERCONTINENTAL/HOUSTON

JEPPESEN
23 MAY 14 (72-45) Eff 29 May

HOUSTON, TEXAS
GLS Rwy 27

BRIEFING STRIP ™

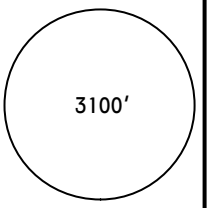
D-ATIS	HOUSTON Approach (R)		HOUSTON Tower				Ground	
	West	East	Rwy 9/27	Rwy 8R/26L	Rwy 8L/26R	Rwys 15L/33R, 15R/33L	Rwys 9/27, 8L/26R, 8R/26L	Rwys 15L/33R, 15R/33L
124.05	124.35	120.05	135.15	125.35	120.72	127.3	118.575	121.7

LAAS	Final Apch Crs	Minimum Alt	GLS DA(H)	Apt Elev / Rwy 27
Ch 22306 G-GHI	267°	REDOC 1500′ (1415′)	285′ (200′)	Apt Elev 96′ / Rwy 27 85′

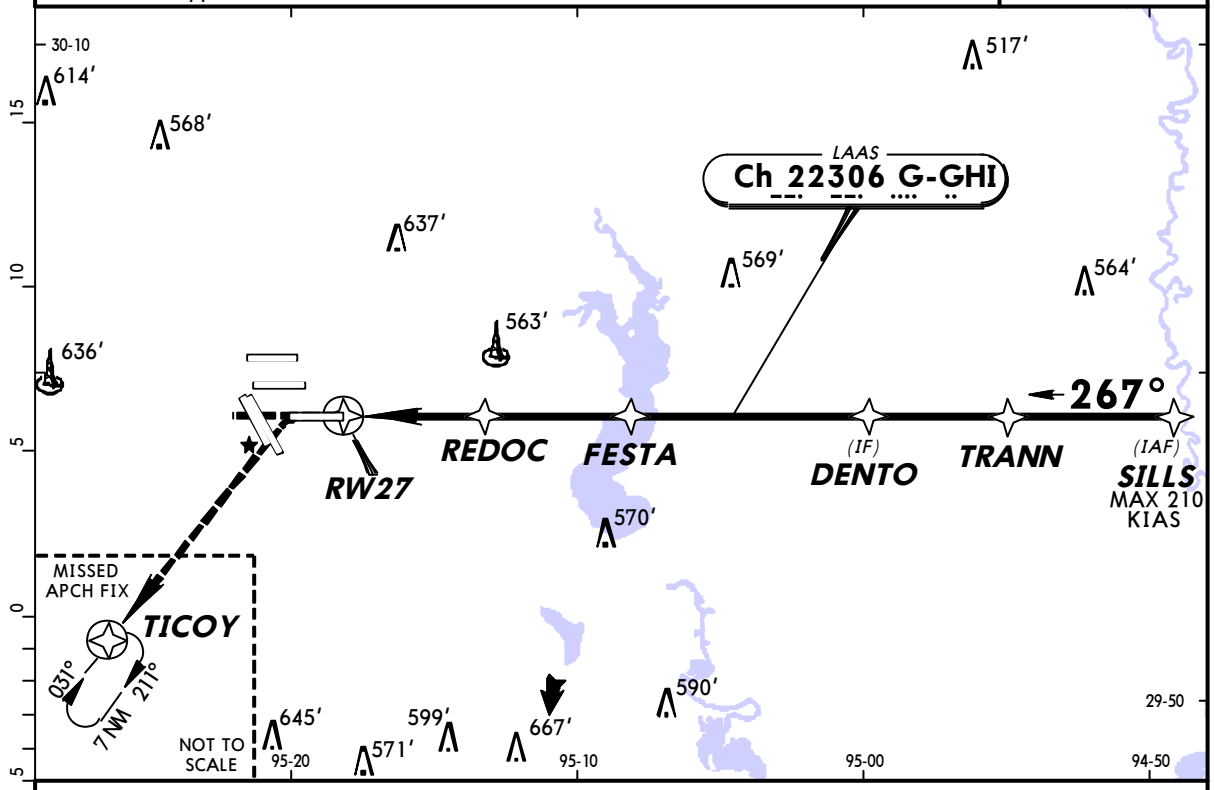
MISSED APCH: Climb to 560′ then climbing LEFT turn to 3100′ direct TICOY and hold.

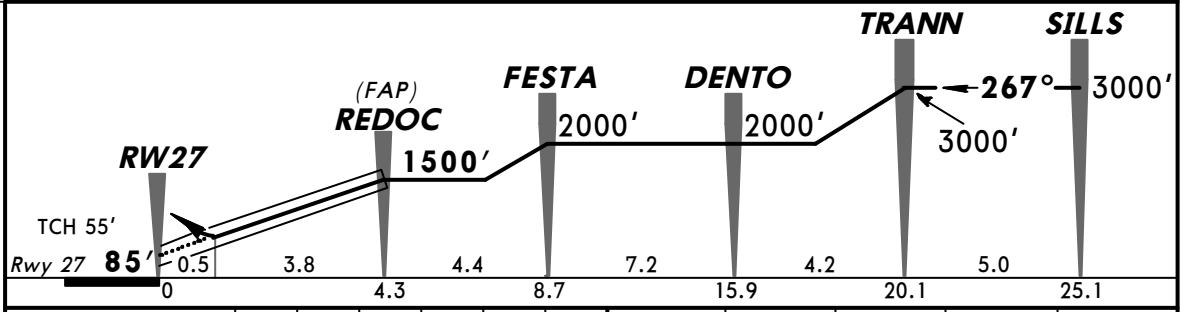
Alt Set: INCHES Trans level: FL 180 Trans alt: 18000′

1. GPS required. 2. Radar required. 3. Simultaneous approach authorized with Rwy 26L and Rwy 26R. 4. Use of Flight Director or Autopilot providing RNAV track guidance required during simultaneous operations. 5. DME/DME RNP-0.30 not authorized. 6. VGSI and GLS glidepath not coincident. 7. GLS unusable inside DA. 8. Autoland approach not authorized.



MSA RW27





Gnd speed-Kts	70	90	100	120	140	160
Glide Path Angle 3.00°	372	478	531	637	743	849
MAP at DA						

ALSF-II PAPI | 560′ | 3100′ LT | D | TICOY

TERPS

STRAIGHT-IN LANDING RWY **27**
GLS
DA(H) **285′** (200′)

	ALS out
A	RVR 24 or 1/2
B	
C	
D	RVR 40 or 3/4

TERPS AMEND 1 29 MAY 2014

CHANGES: Procedure.

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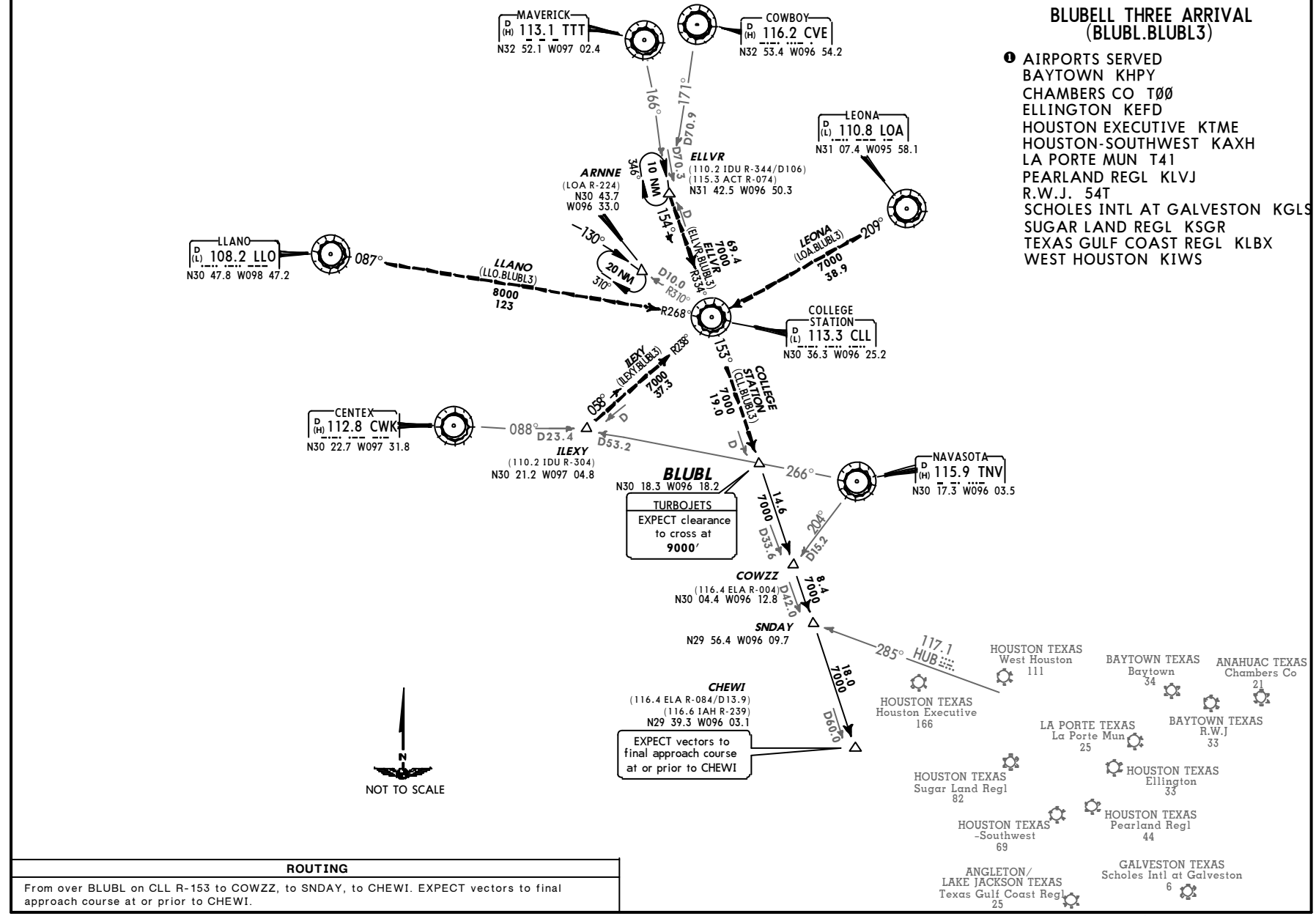
AREA STAR
SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-2) Eff 29 May
STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	ILEXY transition for Austin terminal area departures only.



BLUBELL THREE ARRIVAL (BLUBL.BLUBL3)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
ELLINGTON KEFD
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

ROUTING

From over BLUBL on CLL R-153 to COWZZ, to SNDAY, to CHEWI. EXPECT vectors to final approach course at or prior to CHEWI.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA STAR
SERVES ONLY: ❶

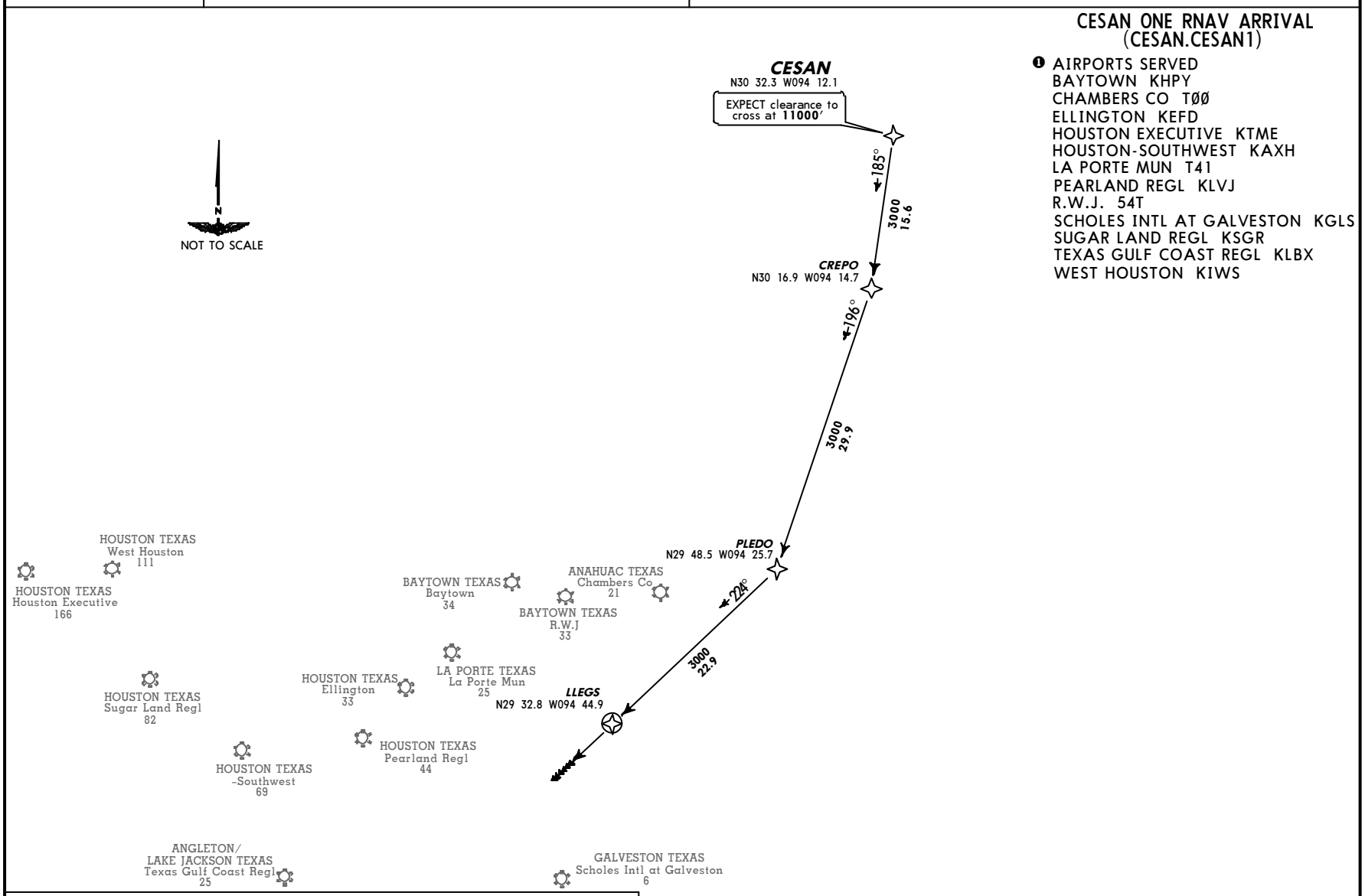
JEPPESEN 23 MAY 14 (90-2A) Eff 29 May

RNAV STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

CESAN ONE RNAV ARRIVAL
(CESAN.CESAN1)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
ELLINGTON KEFD
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



ROUTING

From CESAN on track 185° to CREPO, then on track 196° to PLEDO, then on track 224° to LLEGS, then on track 224°. EXPECT vectors to final approach course.

CHANGES: New chart.

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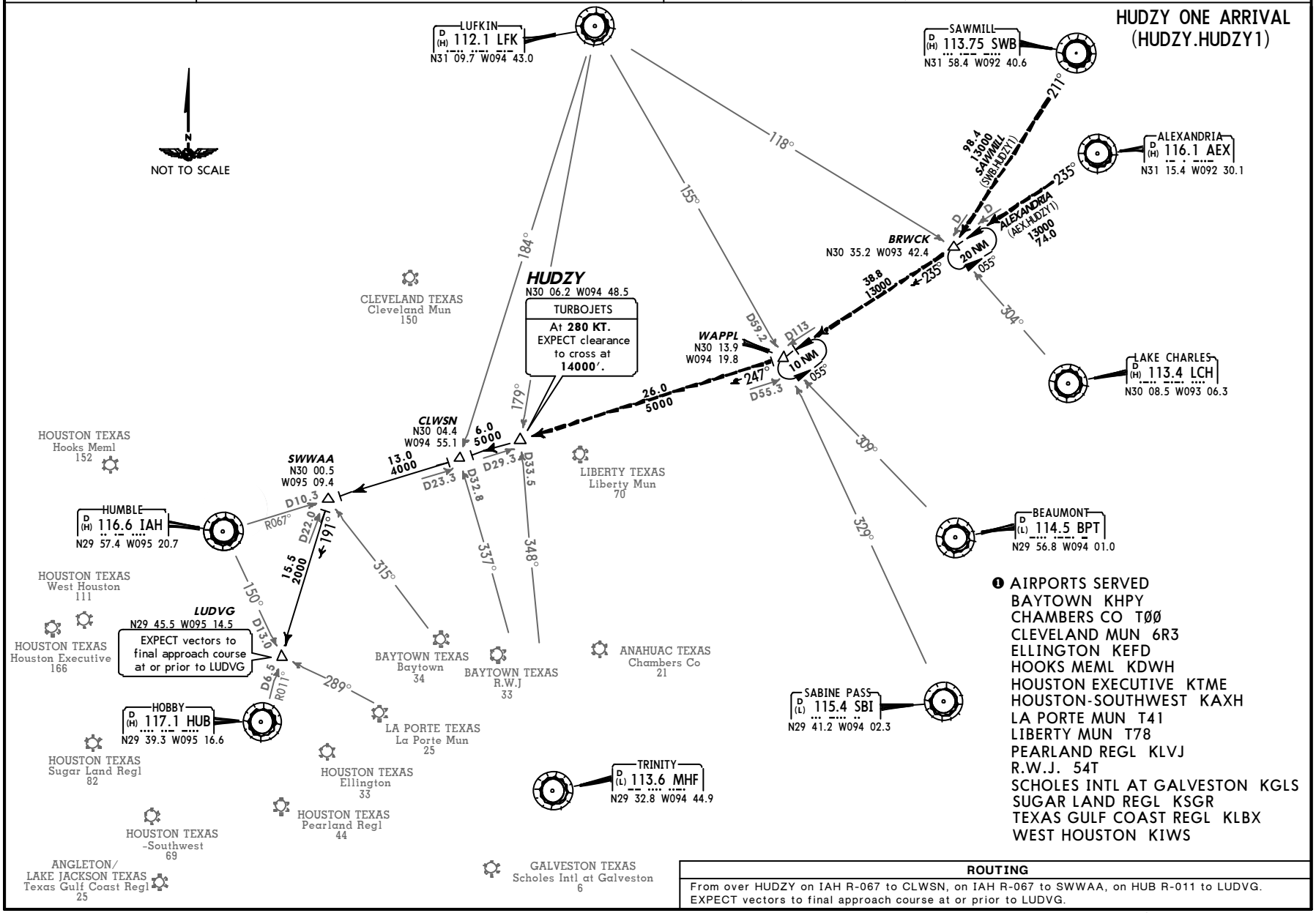
AREA STAR
SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-2B) Eff 29 May
STAR

Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	1. Turbojet and turboprop aircraft only. 2. For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the WAPPL (RNAV) STAR. 3. ATC assigned only for aircraft landing Hooks Meml, Liberty Mun, Cleveland Mun.
See graphic		

HUDZY ONE ARRIVAL (HUDZY.HUDZY1)



❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

ROUTING

From over HUDZY on IAH R-067 to CLWSN, on IAH R-067 to SWWAA, on HUB R-011 to LUDVG.
EXPECT vectors to final approach course at or prior to LUDVG.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA STAR
SERVES ONLY: ❶

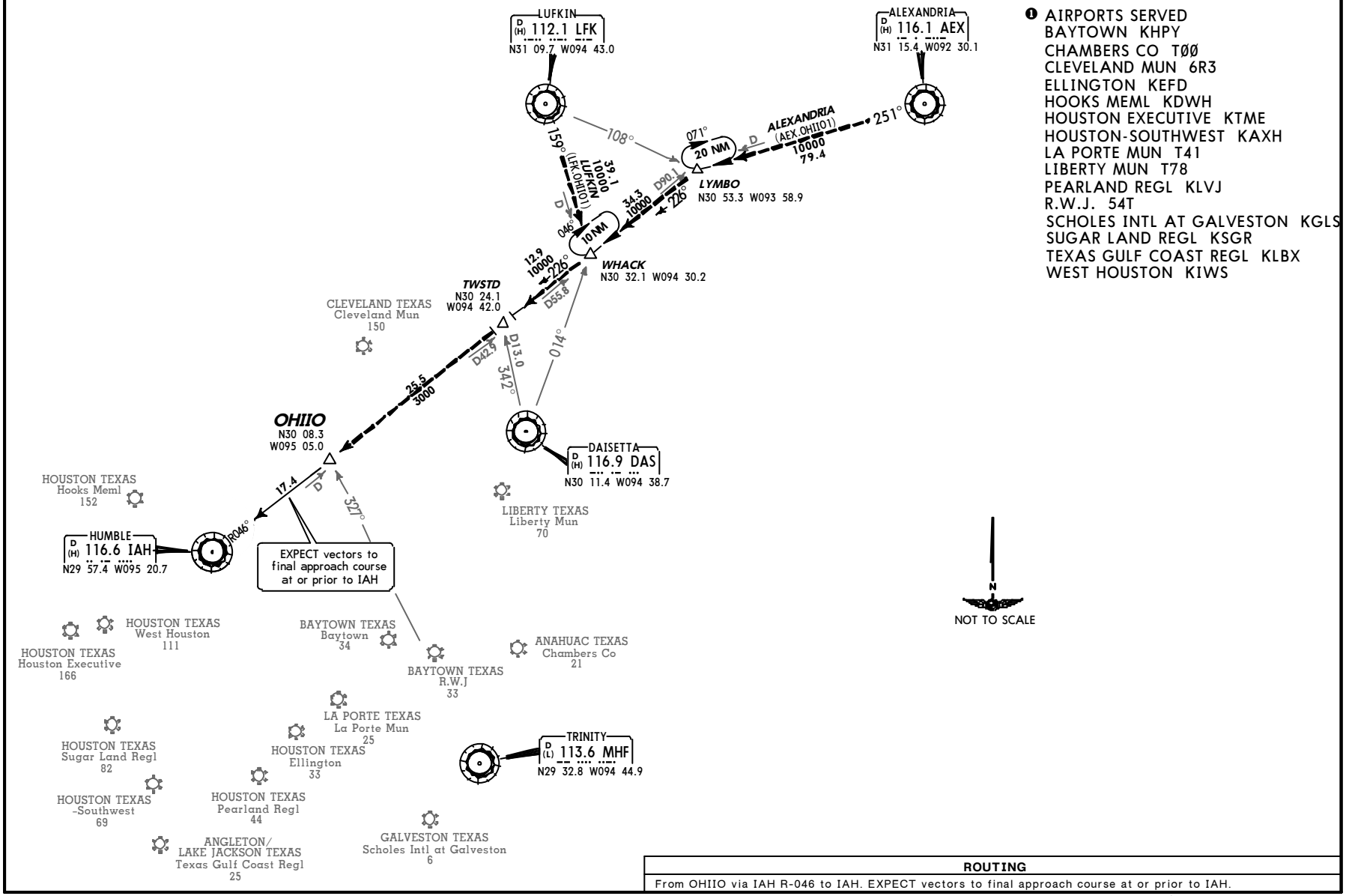
JEPPESEN
23 MAY 14 (90-2C) Eff 29 May
STAR

Apt Elev	Alt Set: INCHES	Trans level: FL180	Trans alt: 18000′
See graphic			

1. For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the TWSTD/WHACK (RNAV) STAR.
2. ATC assigned only for airports other than Hooks Meml, Liberty Mun, Cleveland Mun.

OHIIO ONE ARRIVAL
(WHACK.OHII01)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



ROUTING

From OHIIO via IAH R-046 to IAH. EXPECT vectors to final approach course at or prior to IAH.

CHANGES: New chart.

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AREA STAR
SERVES ONLY: ❶

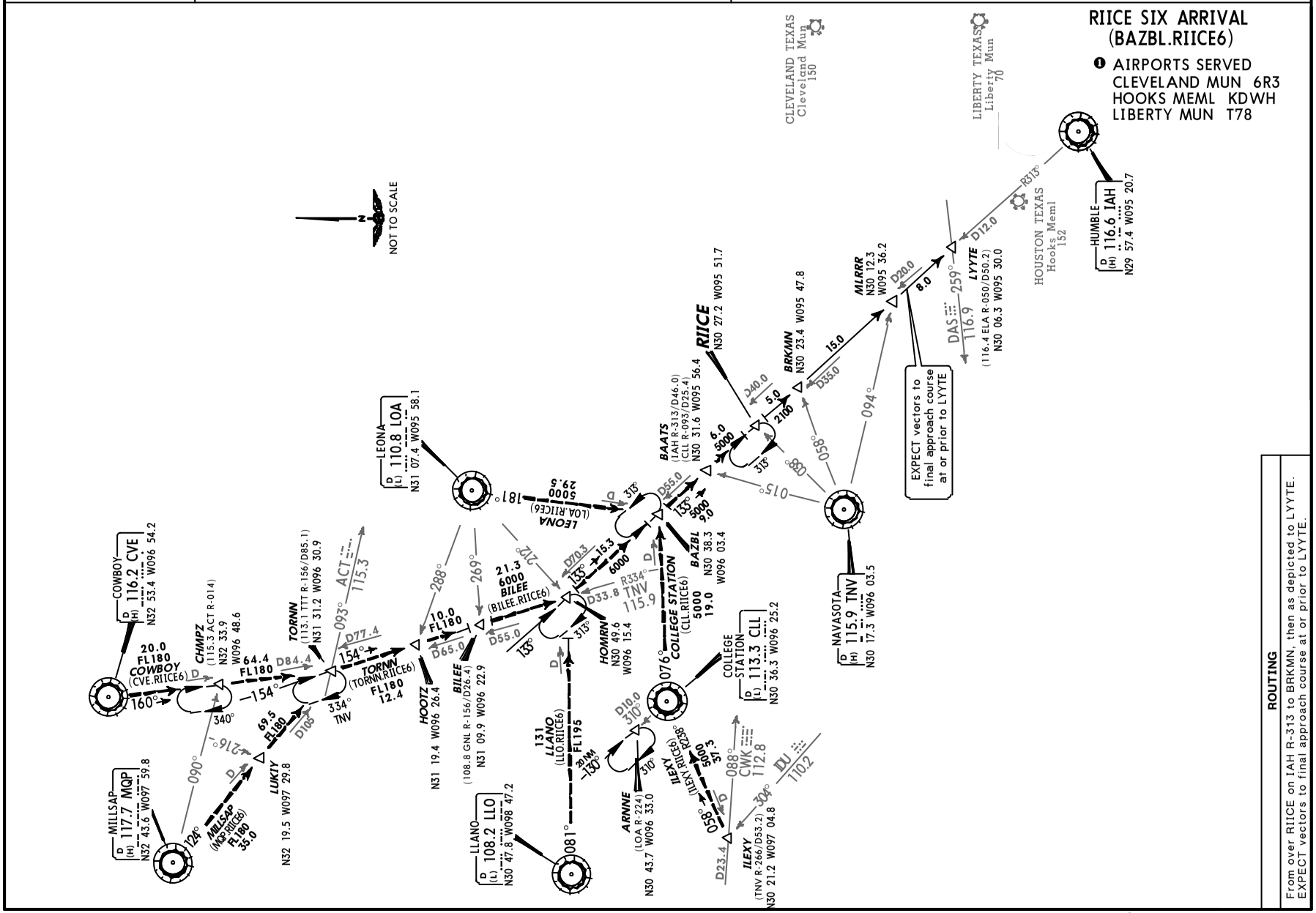
HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-2D) Eff 29 May
STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000'	For all aircraft landing Hooks Meml, Liberty Mun and Cleveland Mun.

RIICE SIX ARRIVAL
(BAZBL.RIICE6)

❶ AIRPORTS SERVED
CLEVELAND MUN 6R3
HOOKS MEML KDWH
LIBERTY MUN T78



CHANGES: New chart.

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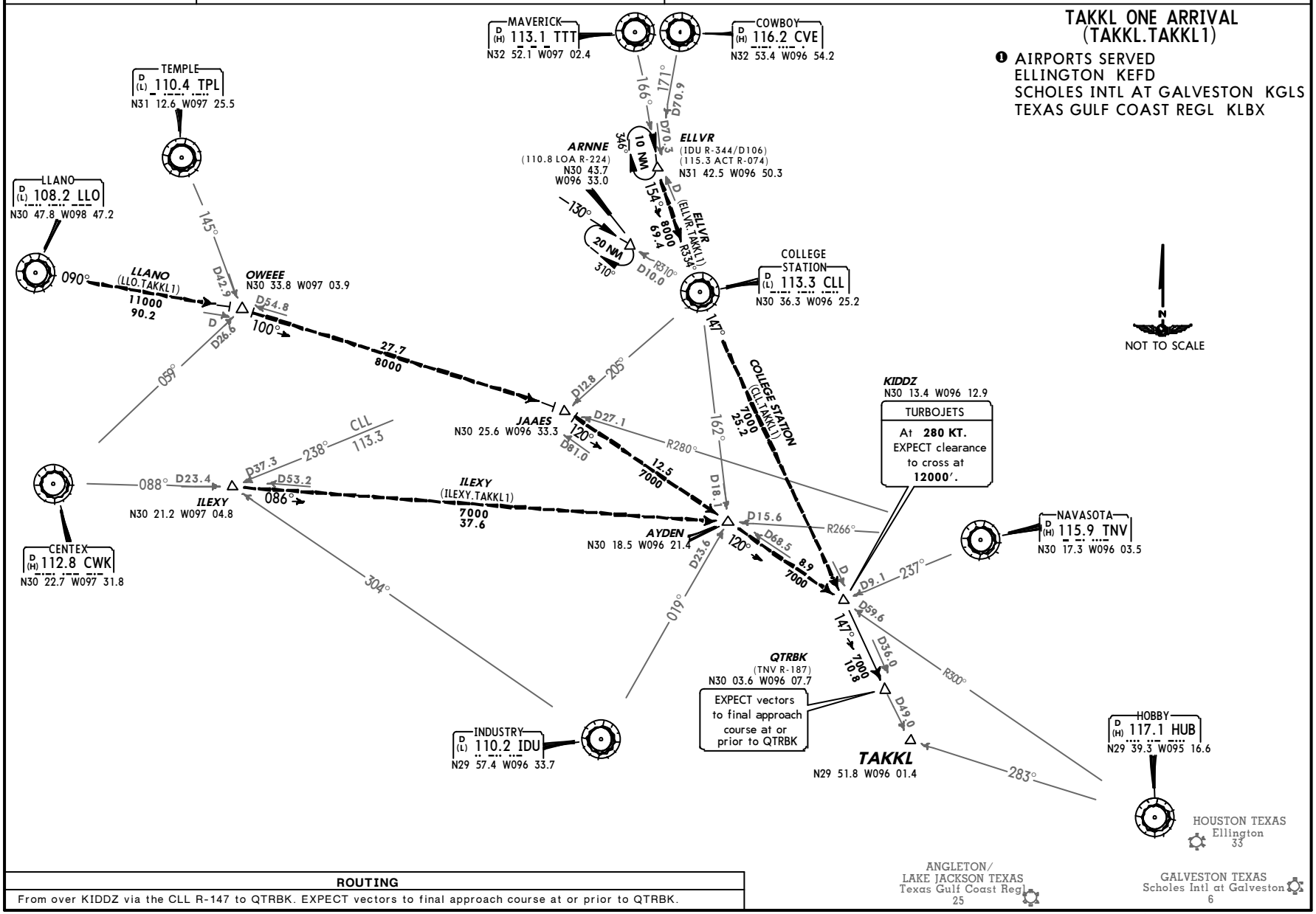
HOUSTON METROPLEX, TEXAS

AREA STAR
SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-2E) Eff 29 May

STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	1. For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the KIDDZ RNAV STAR. 2. Turbojet aircraft only. 3. ILEXY transition for Austin terminal area departures only.



ROUTING

From over KIDDZ via the CLL R-147 to QTRBK. EXPECT vectors to final approach course at or prior to QTRBK.

CHANGES: New chart.

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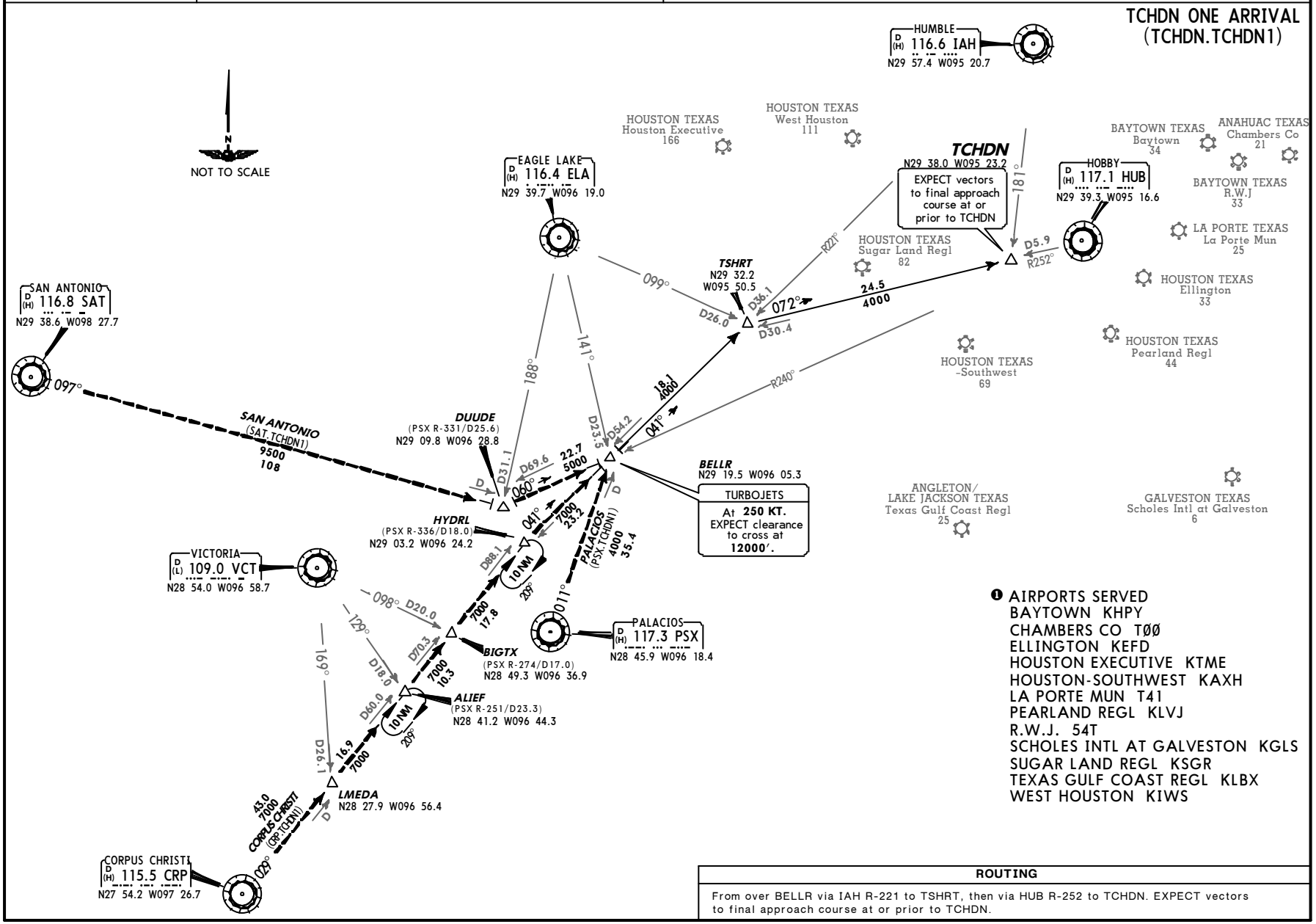
AREA STAR
SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-2F) Eff 29 May
STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	For conventional navigation equipped aircraft only. DME/DME/IRU or GPS equipped aircraft must file the BELLR RNAV STAR.

TCHDN ONE ARRIVAL (TCHDN.TCHDN1)



❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
ELLINGTON KEFD
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

ROUTING

From over BELLR via IAH R-221 to TSHRT, then via HUB R-252 to TCHDN. EXPECT vectors to final approach course at or prior to TCHDN.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA STAR

SERVES ONLY: ❶

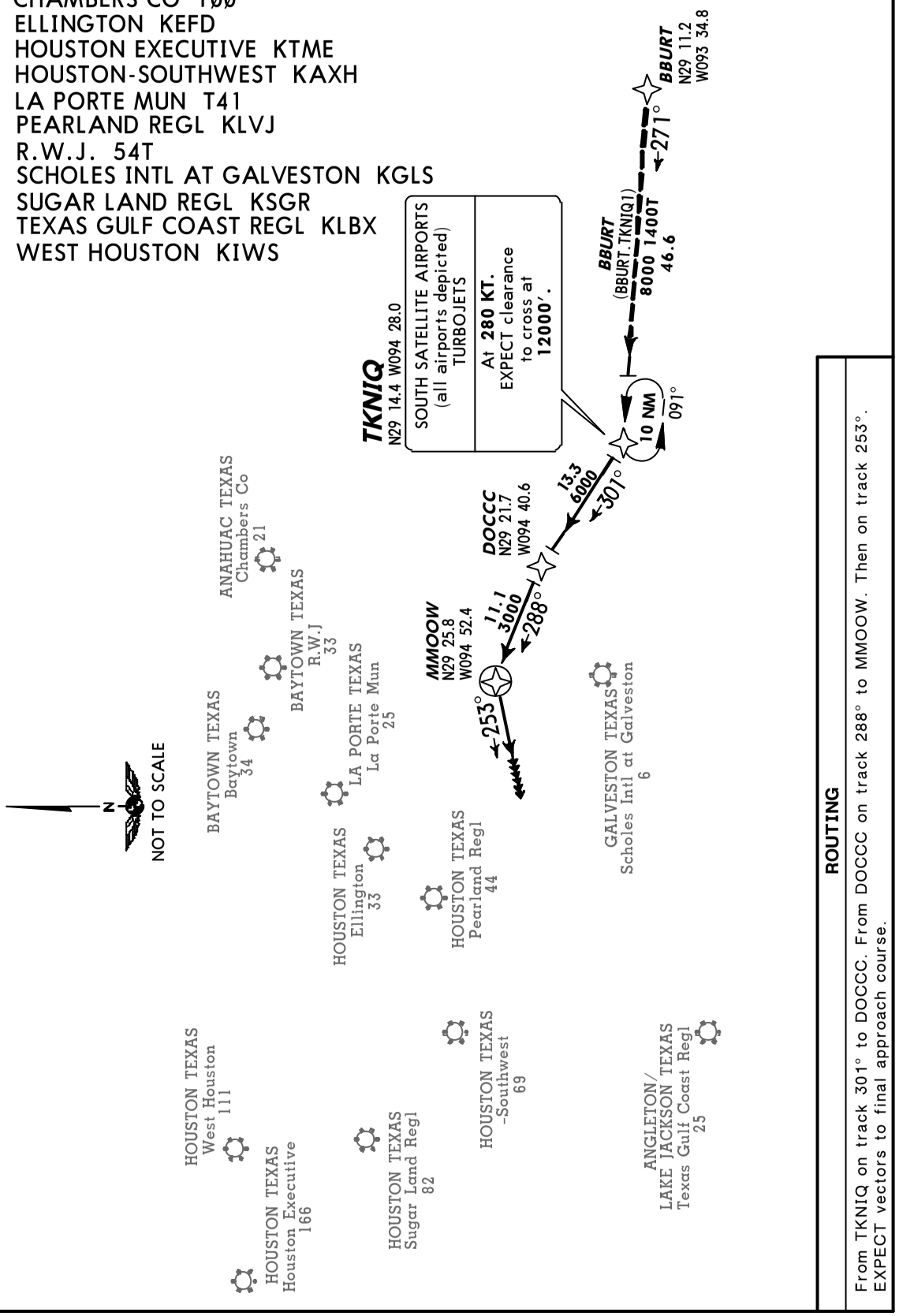
JEPPESEN
23 MAY 14 (90-2G) Eff 29 May

RNAV STAR

Apt Elev	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′
See graphic	**1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.**
	4. Turbojet and turboprop aircraft only.

TKNIQ ONE RNAV ARRIVAL (TKNIQ.TKNIQ1)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
ELLINGTON KEFD
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



ROUTING

From TKNIQ on track 301° to DOCCC. From DOCCC on track 288° to MMOOW. Then on track 253°.
EXPECT vectors to final approach course.

CHANGES: New chart.

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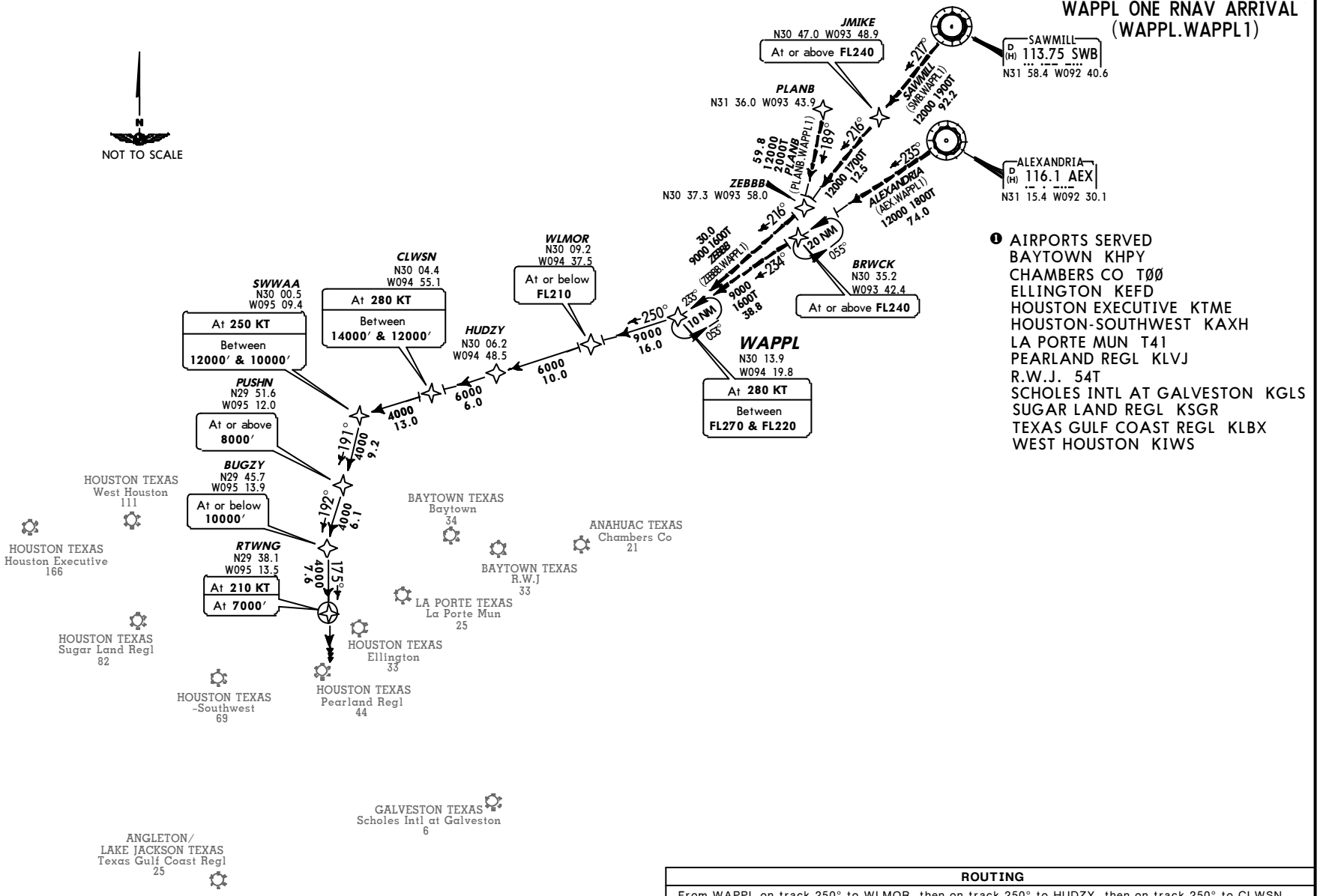
AREA STAR
SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-2H) Eff 29 May RNAV STAR

Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′	**1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.** 4. For turbojet and turboprop aircraft capable of 280 KT or greater only. 5. EXPECT runway assignment from Houston TRACON upon initial contact.

WAPPL ONE RNAV ARRIVAL (WAPPL.WAPPL1)



❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
ELLINGTON KEFD
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

ROUTING

From WAPPL on track 250° to WLMOR, then on track 250° to HUDZY, then on track 250° to CLWSN, then on track 250° to SWWAA, then on track 191° to PUSHN. From PUSHN on track 192° to BUGZY, then on track 175° to RTWNG, then on track 175°. EXPECT vectors to final approach course.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA STAR

SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-2J) Eff 29 May

STAR

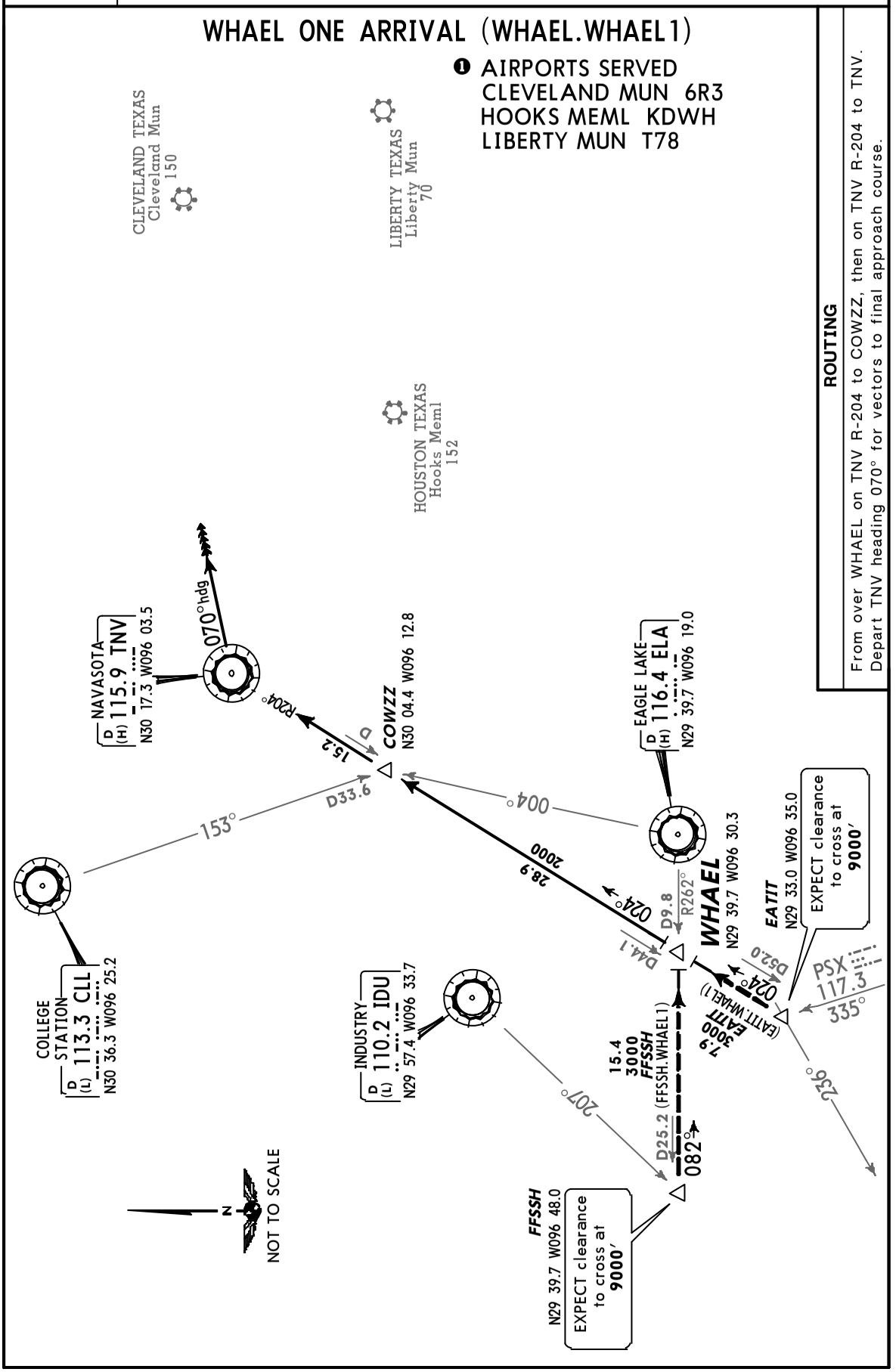
Apt Elev See graphic	Alt Set: INCHES Trans level: FL180 Trans alt: 18000′ **RADAR required.**

WHAEL ONE ARRIVAL (WHAEL.WHAEL1)

❶ AIRPORTS SERVED
CLEVELAND MUN 6R3
HOOKS MEML KDWH
LIBERTY MUN T78

ROUTING

From over WHAEL on TNV R-204 to COWZZ, then on TNV R-204 to TNV. Depart TNV heading 070° for vectors to final approach course.



CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

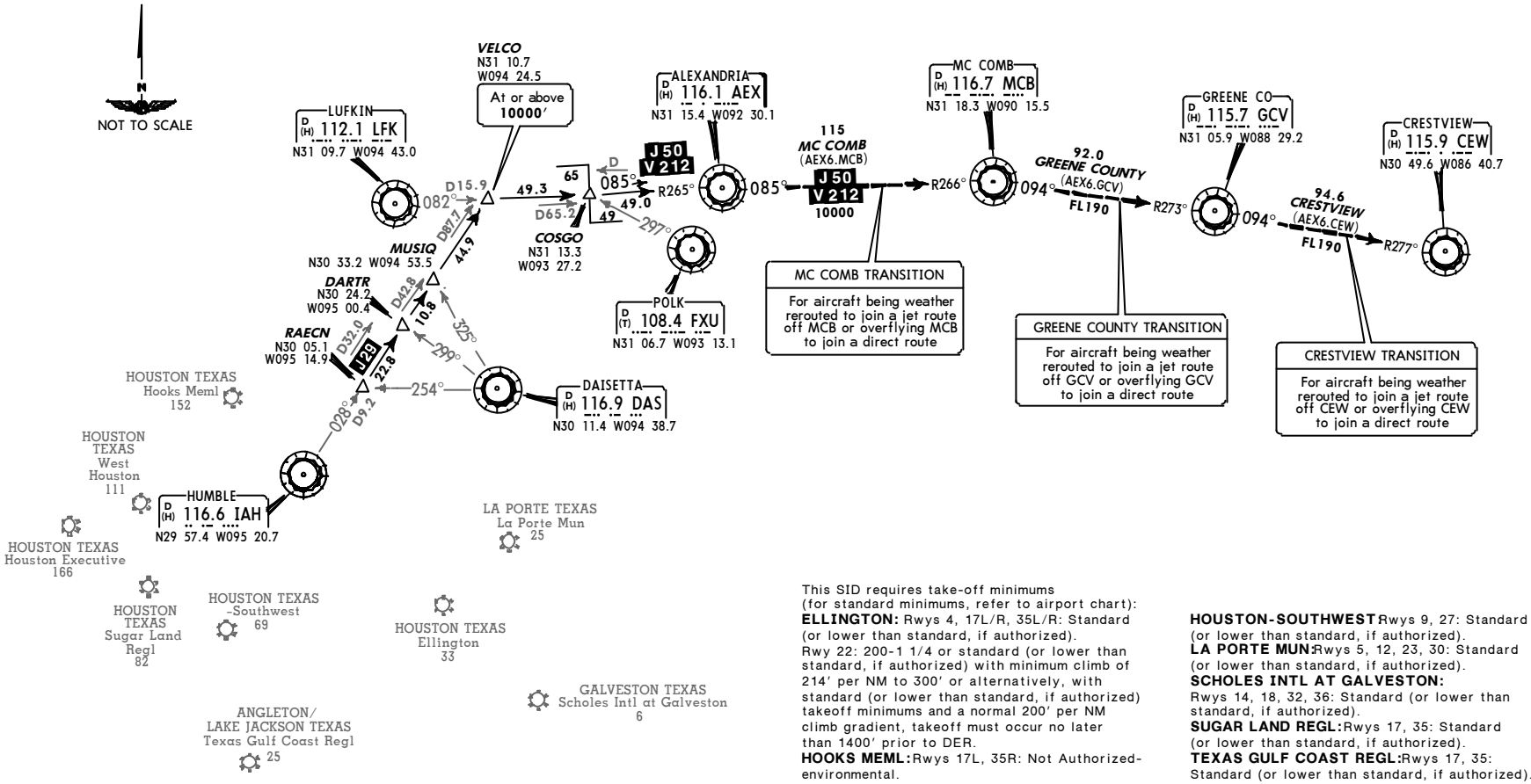
JEPPESEN
23 MAY 14 (90-3) Eff 29 May
SID

AREA SID

SERVES ONLY: ❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** 2. CRESTVIEW, GREENE COUNTY and MC COMB Transitions are ATC assigned only, do not file.

ALEXANDRIA SIX DEPARTURE (AEX6.AEX)



❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to RAECN.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At RAECN, on IAH R-028 to VELCO, then RIGHT turn on LFK R-082 and AEX R-265 to AEX.	

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-3A) Eff 29 May RNAV SID

AREA SID
SERVES ONLY: ❶

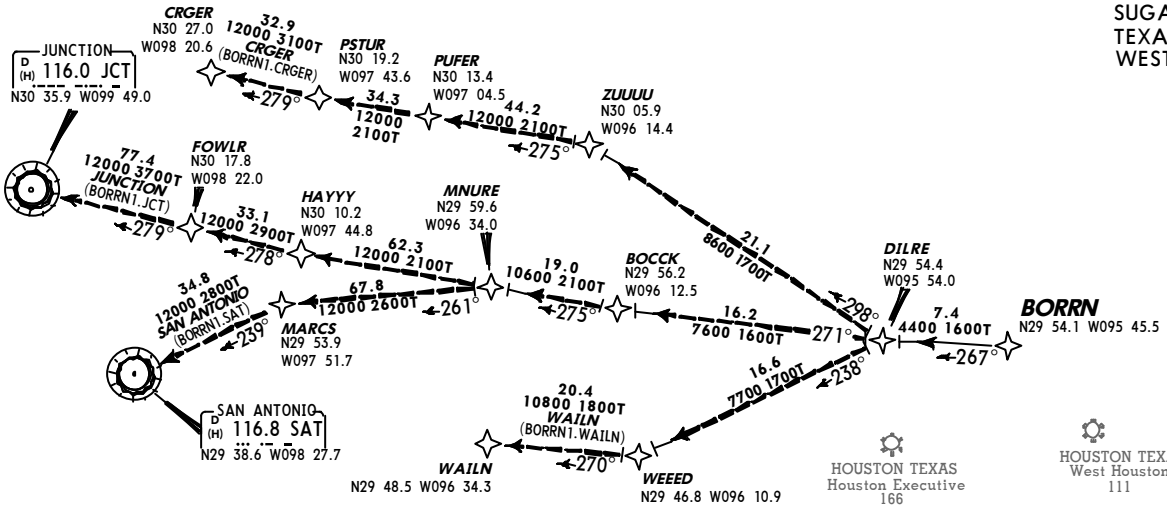
Apt Elev		
See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** **2. DME/DME/IRU or GPS required.** **3. RNAV 1.**

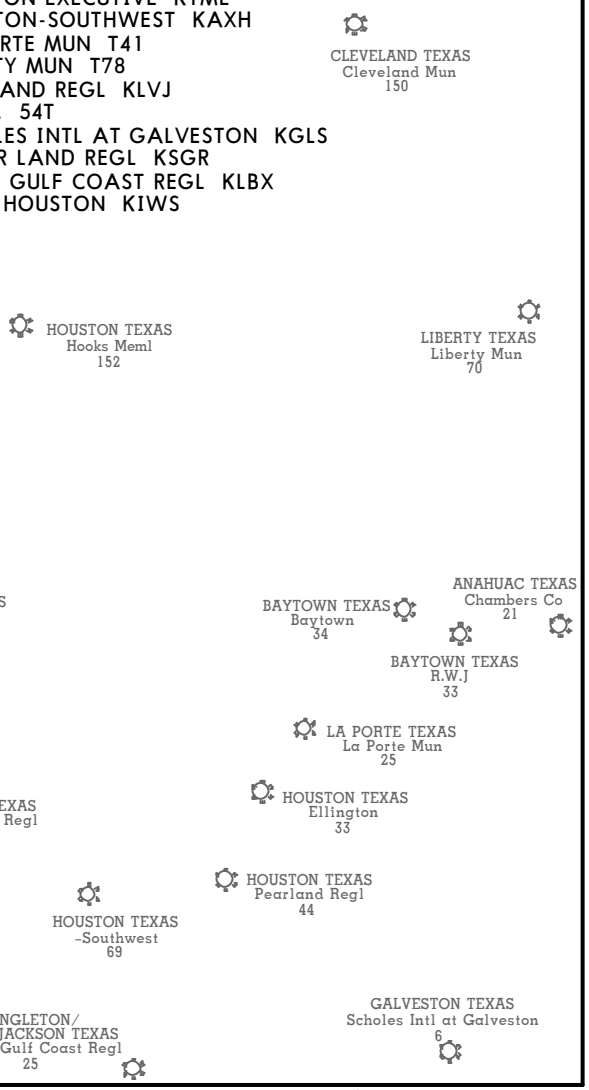
❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

BORRN ONE RNAV DEPARTURE (BORRN1.BORRN)

For Procedure Text and Takeoff Minimums see 90-3A1 PROCEDURE GRAPHIC

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.





CHANGES: New chart.

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AREA SID
SERVES ONLY: ❶

BORRN ONE RNAV DEPARTURE (BORRN1.BORRN)

For Procedure Graphic see 90-3A

PROCEDURE TEXT

❶ AIRPORTS SERVED	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 138° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 32:** Climb on heading 318° to 540′, EXPECT RADAR vectors to BORRN.
CHAMBERS CO	**Rwy 12:** Climb on heading 124° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 30:** Climb on heading 304° to 540′, EXPECT RADAR vectors to BORRN.
CLEVELAND MUN	**Rwy 16:** Climb on heading 157° to 1400′, EXPECT RADAR vectors to BORRN. **Rwy 34:** Climb on heading 337° to 2000′, EXPECT RADAR vectors to BORRN.
ELLINGTON	**Rwy 4:** Climb on heading 039° to 540′, EXPECT RADAR vectors to BORRN. **Rwys 17L/R:** Climb on heading 174° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 22:** Climb on heading 219° to 540′, EXPECT RADAR vectors to BORRN. **Rwys 35L/R:** Climb on heading 354° to 540′, EXPECT RADAR vectors to BORRN.
HOOKS MEML	**Rwy 17R:** Climb on heading 168° to 660′, EXPECT RADAR vectors to BORRN. **Rwy 35L:** Climb on heading 348° to 660′, EXPECT RADAR vectors to BORRN.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 174° to 680′, EXPECT RADAR vectors to BORRN. **Rwy 36:** Climb on heading 354° to 680′, EXPECT RADAR vectors to BORRN.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb heading 089° to 2000′, EXPECT RADAR vectors to BORRN. **Rwy 27:** Climb heading 269° to 2200′, EXPECT RADAR vectors to BORRN.
LA PORTE MUN	**Rwy 5:** Climb on heading 046° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 12:** Climb on heading 121° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 23:** Climb on heading 226° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 30:** Climb on heading 301° to 540′, EXPECT RADAR vectors to BORRN.
LIBERTY MUN	**Rwy 16:** Climb on heading 161° to 1700′, EXPECT RADAR vectors to BORRN. **Rwy 34:** Climb on heading 341° to 1000′, EXPECT RADAR vectors to BORRN.
PEARLAND REGL	**Rwy 14:** Climb on heading 140° to 1600′, EXPECT RADAR vectors to BORRN. **Rwy 32:** Climb on heading 320° to 900′, EXPECT RADAR vectors to BORRN.
R.W.J.	**Rwy 8:** Climb on heading 084° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 14:** Climb on heading 143° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 26:** Climb on heading 264° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 32:** Climb on heading 323° to 540′, EXPECT RADAR vectors to BORRN.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 135° to 520′, EXPECT RADAR vectors to BORRN. **Rwy 18:** Climb on heading 176° to 520′, EXPECT RADAR vectors to BORRN. **Rwy 32:** Climb on heading 315° to 520′, EXPECT RADAR vectors to BORRN. **Rwy 36:** Climb on heading 356° to 520′, EXPECT RADAR vectors to BORRN.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 170° to 1500′, EXPECT RADAR vectors to BORRN. **Rwy 35:** Climb on heading 350° to 1100′, EXPECT RADAR vectors to BORRN.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 175° to 540′, EXPECT RADAR vectors to BORRN. **Rwy 35:** Climb on heading 355° to 540′, EXPECT RADAR vectors to BORRN.
WEST HOUSTON	**Rwy 15:** Climb on heading 150° to 620′, EXPECT RADAR vectors to BORRN. **Rwy 33:** Climb on heading 330° to 620′, EXPECT RADAR vectors to BORRN.
ROUTING	
From BORRN on track 267° to DILRE, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.	

This SID requires take-off minimums
(for standard minimums, refer to airport chart):
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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

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

CHANGES: New chart.

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AREA SID

SERVES ONLY: ❶

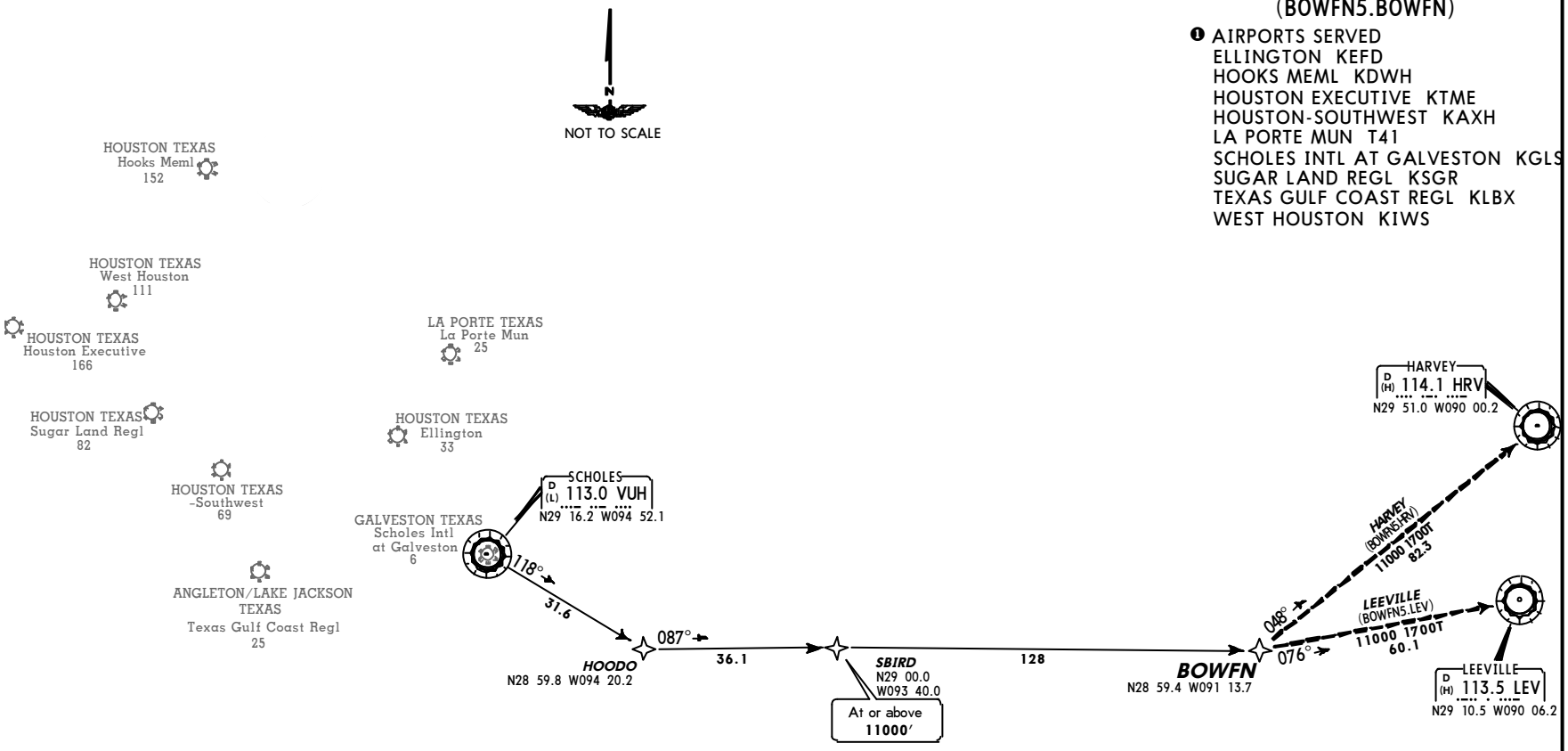
HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-3B) Eff 29 May RNAV SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′ **1. RADAR required. 2. RNAV 1.** **3. DME/DME/IRU or GPS required.**	4. For non-GPS equipped aircraft LCH, LEV, LLA and TBD DMEs must be operational. 5. ATC assigned only. Do not file.

BOWFN FIVE RNAV DEPARTURE
(BOWFN5.BOWFN)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to VUH.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to VUH.
ROUTING	
MAINTAIN 4000′ or ATC assigned altitude on depicted route to HOODO. Then cross SBIRD at or above 11000′ on depicted route to BOWFN. Then via transition. EXPECT filed altitude 10 minutes after departure.	

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

SID

AREA SID
SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3C) Eff 29 May

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**RADAR required.**

NOT TO SCALE

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

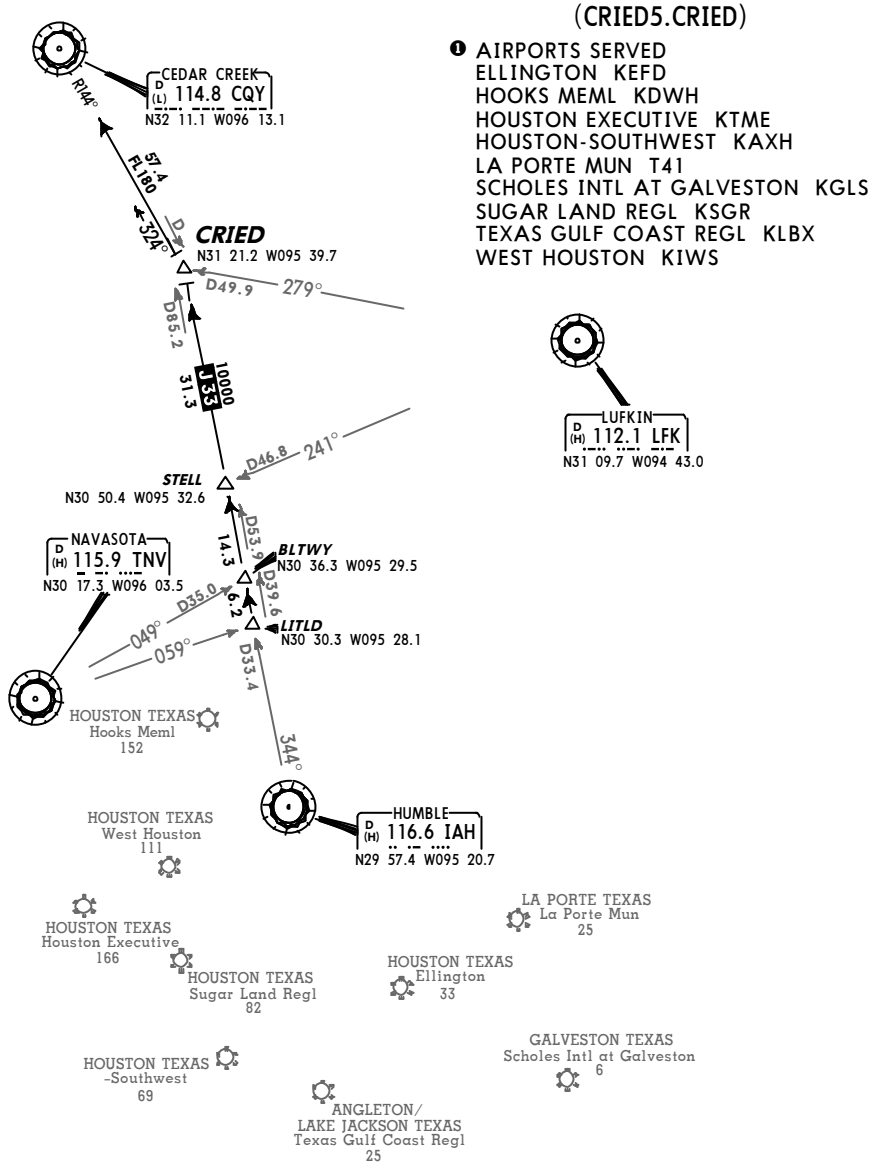
This SID requires take-off minimums (for standard minimums, refer to airport chart):
ELLINGTON: Rwys 4, 17L/R, 35L/R: Standard (or lower than standard, if authorized).
Rwy 22: 200-1 1/4 or standard (or lower than standard, if authorized) with minimum climb of 214′ per NM to 300′ or alternatively, with 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to LITLD.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to LITLD.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At LITLD, on IAH R-344 to STELL, then on IAH R-344 to CRIED, then LEFT turn on CQY R-144 to CQY.	

CRIED FIVE DEPARTURE
(CRIED5.CRIED)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



CHANGES: New chart.

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JEPPESEN
23 MAY 14
Eff 29 May
90-3D

HOUSTON METROPLEX, TE

RNAV

AREA SID

SERVES ONLY:❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to DREMR.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to DREMR.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to DREMR. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to DREMR.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to DREMR. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to DREMR. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to DREMR.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to DREMR. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to DREMR.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to DREMR. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to DREMR.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to DREMR. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to DREMR.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to DREMR.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to DREMR. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to DREMR.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to DREMR. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to DREMR.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to DREMR.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to DREMR. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to DREMR. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to DREMR. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to DREMR.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to DREMR. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to DREMR.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to DREMR. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to DREMR.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to DREMR. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to DREMR.

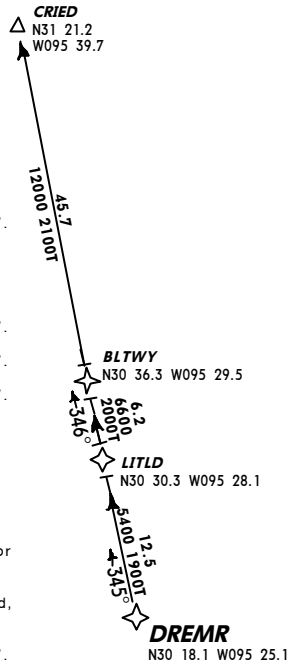
ROUTING

From DREMR on track 345° to LITLD, then on track 346° to BLTWY, then on track 346° to CRIED.
MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 90-3OB1.

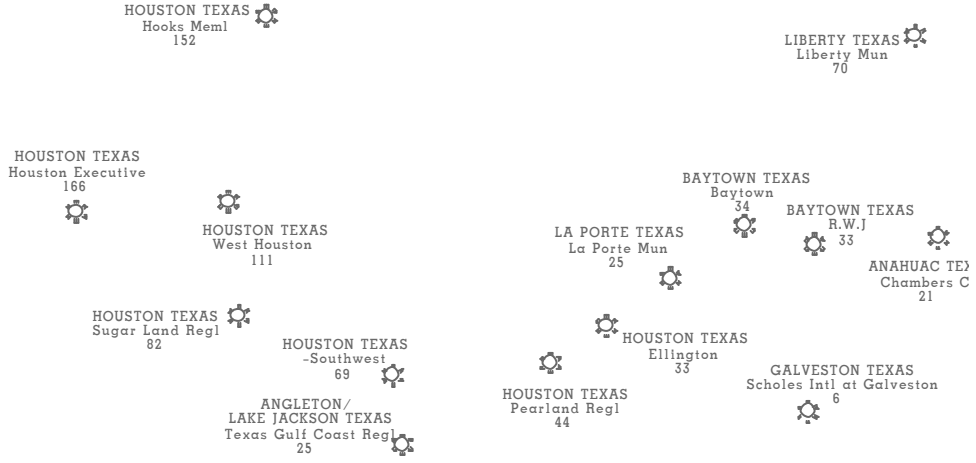
This SID requires take-off minimums
(for standard minimums, refer to airport chart):
BAYTOWN: Rwys 14, 32: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′.
CHAMBERS CO: Rwys 12, 30: Standard (or lower than standard, if authorized) with minimum climb of 500′ 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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

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



DREMR ONE RNAV DEPARTURE
(DREMR1.DREMR)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID
SERVES ONLY: ❶

JEPPESEN 23 MAY 14 (90-3E) Eff 29 May

SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** 2. For aircraft destined Memphis Intl, or filed via Q-32 or J-42.

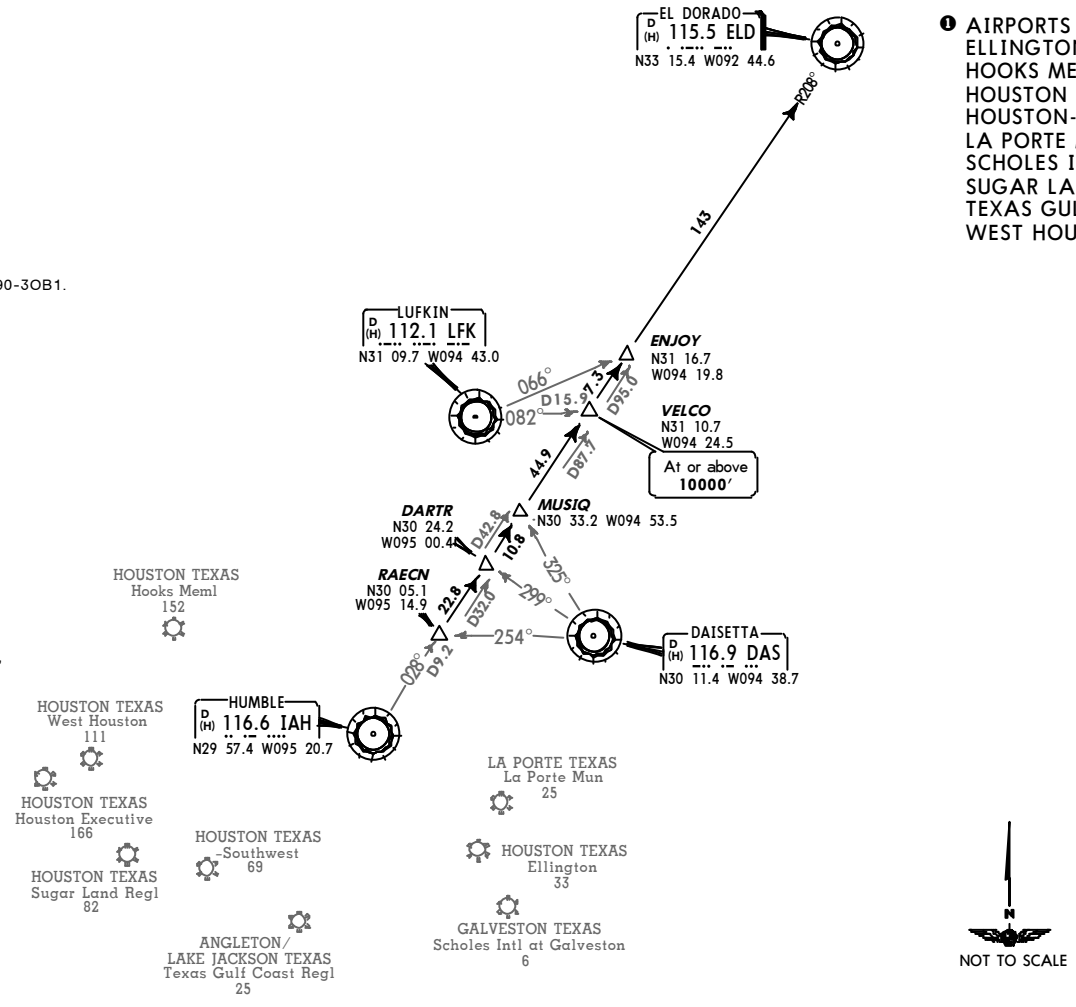
EL DORADO FOUR DEPARTURE (ELD4.ELD)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070



AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to RAECN.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to RAECN.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At RAECN on IAH R-028 and the ELD R-208 to ELD.	

CHANGES: New chart.

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AREA SID
SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

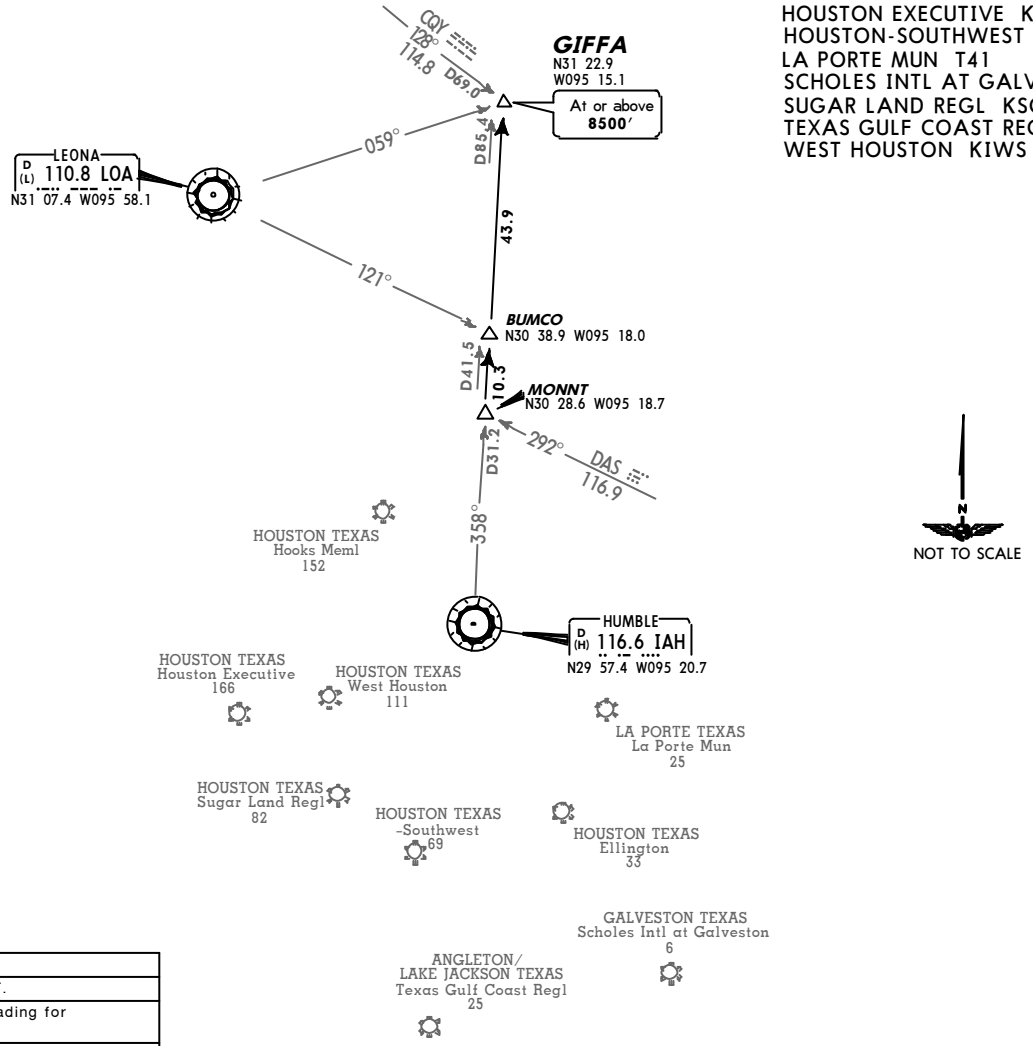
JEPPESEN
23 MAY 14 (90-3F) Eff 29 May
SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** 2. For aircraft destined for Dallas Ft Worth (DFW) terminal area only.

GIFFA FIVE DEPARTURE
(GIFFA5.GIFFA)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to MONNT.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to MONNT.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At MONNT on IAH R-358 to GIFFA.	

CHANGES: New chart.

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JEPPESEN
23 MAY 14
Eff 29 May
90-3G

HOUSTON METROPLEX, TE

RNAV

AREA SID

SERVES ONLY:❶

Apt Elev See graphic	Trans level: FL180	Trans alt: 18000′

1. RADAR required.
2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. TPAKK Transition: For non-GPS equipped aircraft TNV DME must be operational.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to RENNK.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to RENNK.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to RENNK. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to RENNK.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to RENNK. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to RENNK. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to RENNK.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to RENNK. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to RENNK.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to RENNK. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to RENNK.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to RENNK. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to RENNK.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to RENNK.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to RENNK. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to RENNK.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to RENNK. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to RENNK.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to RENNK.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to RENNK. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to RENNK. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to RENNK. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to RENNK.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to RENNK. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to RENNK.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to RENNK. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to RENNK.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to RENNK. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to RENNK.

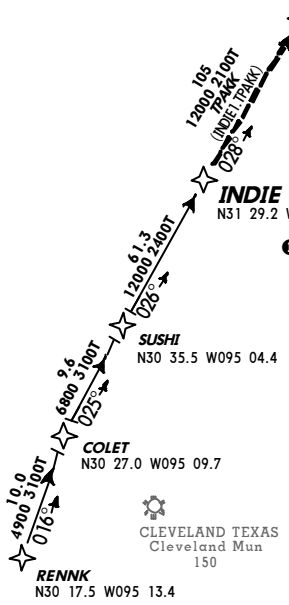
ROUTING

From RENNK on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to INDIE, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

This SID requires take-off minimums
(for standard minimums, refer to airport chart):
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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

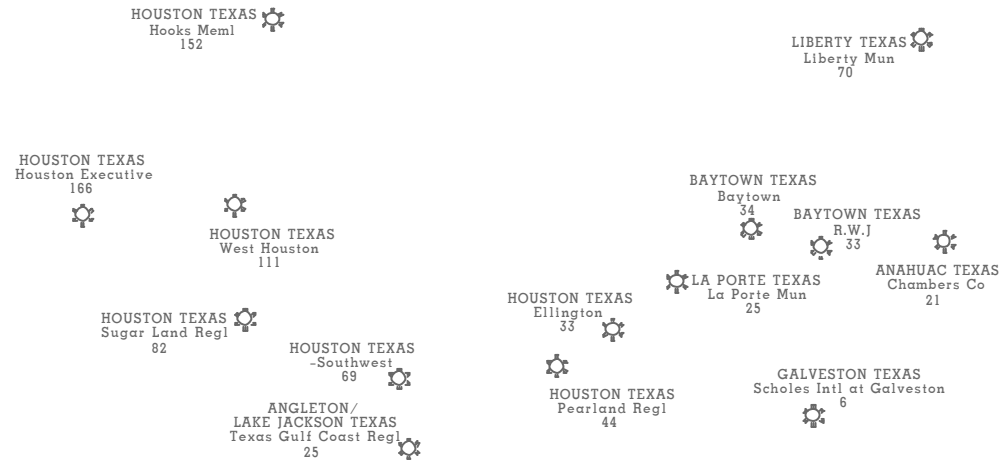
Gnd speed-KT	75	100	150	200	250	300
500′ per NM	625	833	1250	1667	2083	2500

INDIE ONE RNAV DEPARTURE
(INDIE1.INDIE)



❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO T00
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON K
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 90-3OB1.



CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID
SERVES ONLY: ❶

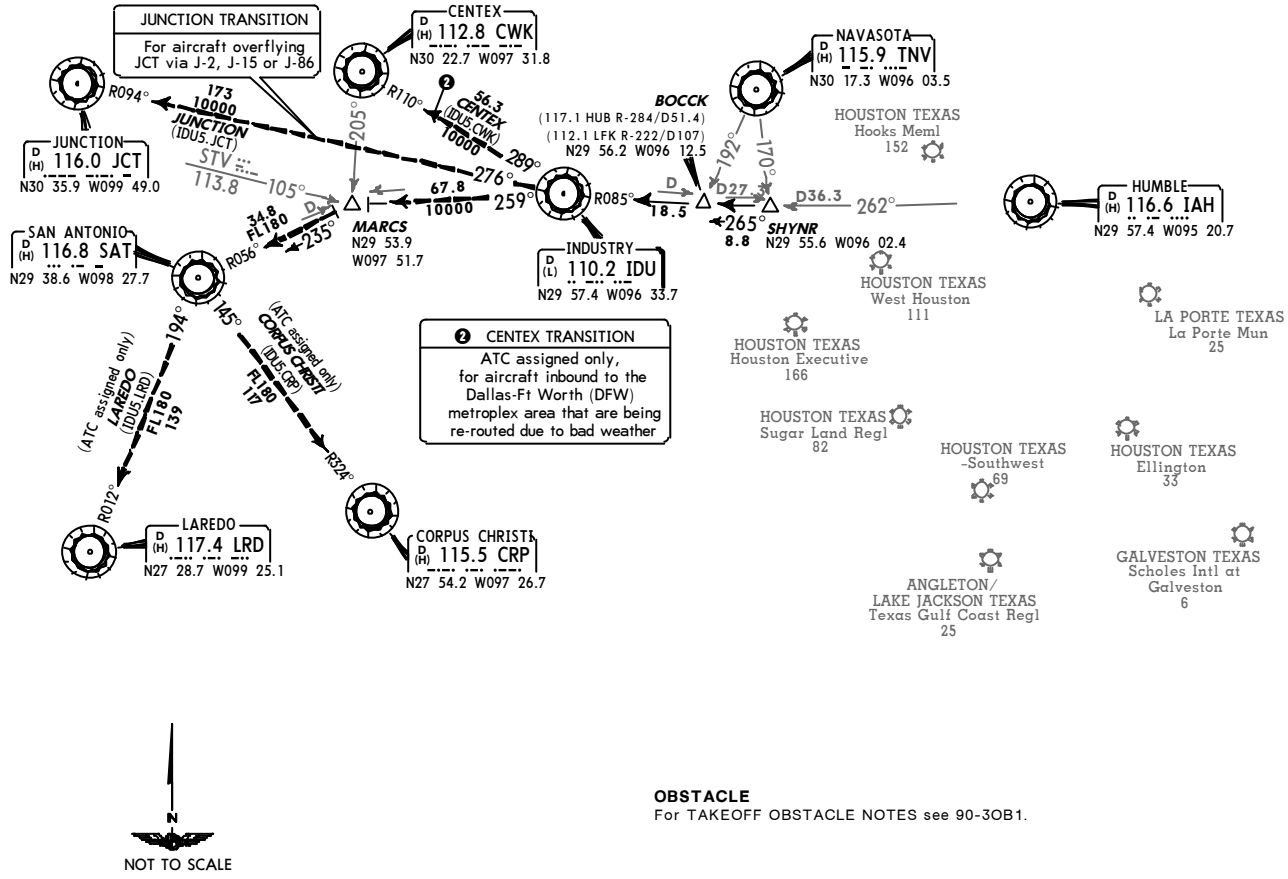
JEPPESEN
23 MAY 14 (90-3H) Eff 29 May

SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**RADAR required.**

INDUSTRY FIVE DEPARTURE (IDU5.IDU)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to SHYNR.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to SHYNR.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At SHYNR on IDU R-085 to BOCCK, then on IDU R-085 to IDU.	

This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID

SERVES ONLY: ❶

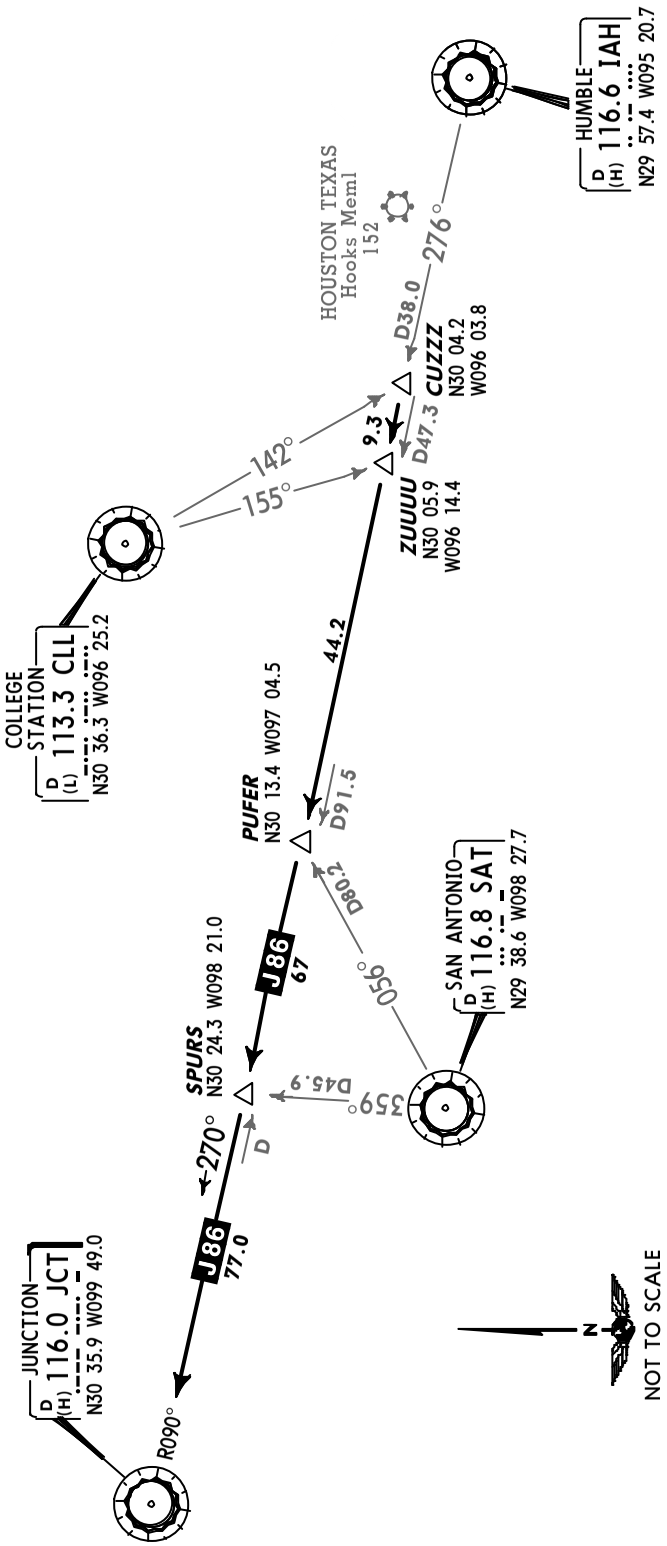
JEPPESEN 23 MAY 14 (90-3J) Eff 29 May

SID

Apt Elev	Trans level: FL180 Trans alt: 18000′
See graphic	**1. RADAR required.**
	2. For aircraft overflying JCT via J-86 filing FL240 or above.

JUNCTION SEVEN DEPARTURE (JCT7.JCT)

❶ AIRPORT SERVED
HOOKS MEML KDWH



This SID requires take-off minimums (for standard minimums, refer to airport chart):
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.

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

INITIAL CLIMB

When entering controlled airspace, climb on assigned heading for RADAR vectors to CUZZZ. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. Then via IAH R-276 and JCT R-090 to JCT.

CHANGES: New chart.

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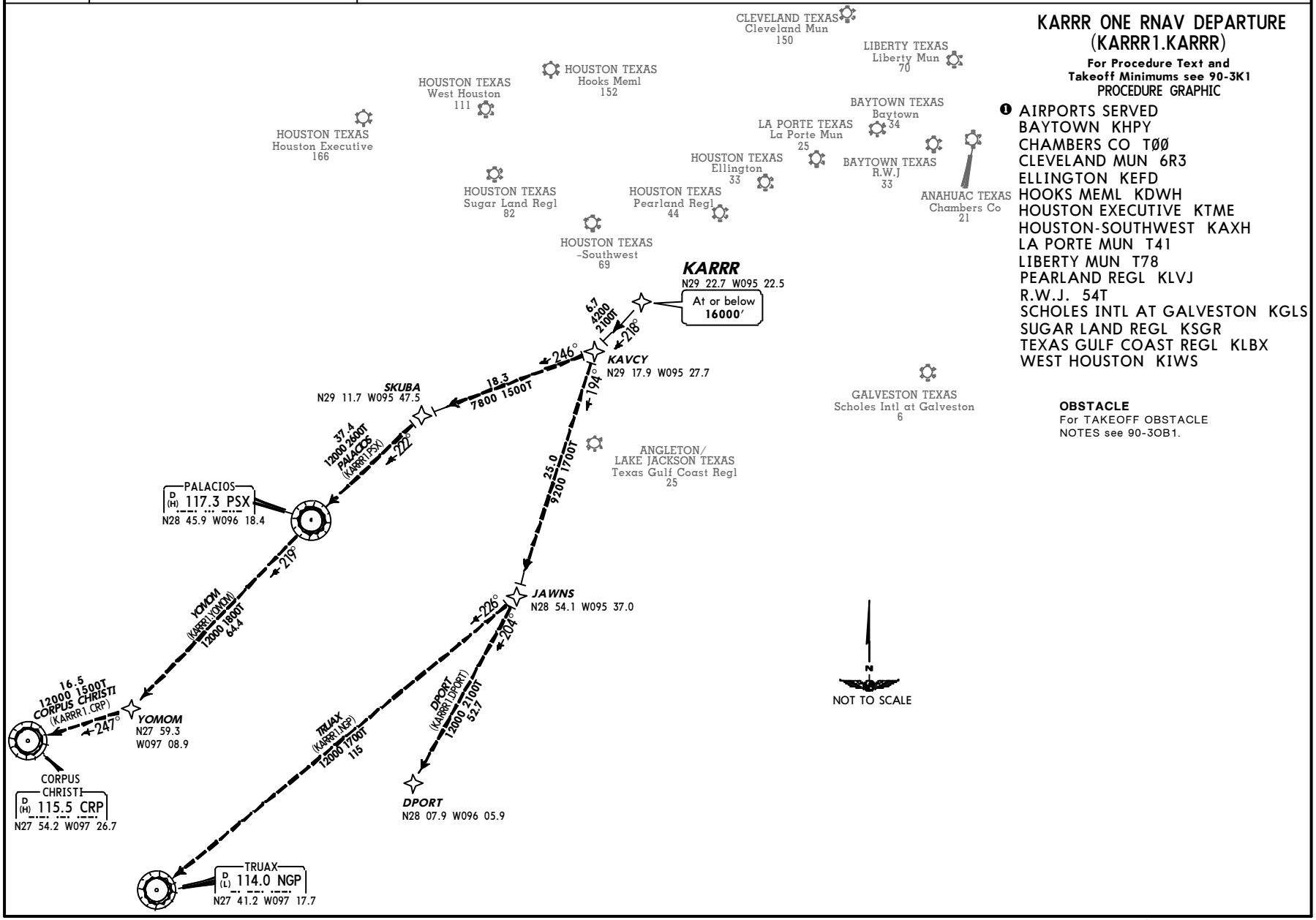
AREA SID

SERVES ONLY: ❶

HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-3K) Eff 29 May
RNAV SID

Apt Elev	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.
See graphic		



KARRR ONE RNAV DEPARTURE
(KARRR1.KARRR)

For Procedure Text and Takeoff Minimums see 90-3K1 PROCEDURE GRAPHIC

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO T00
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

CHANGES: New chart.

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AREA SID
SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3K1) Eff 29 May

KARRR ONE RNAV DEPARTURE (KARRR1.KARRR)

For Procedure Graphic see 90-3K

PROCEDURE TEXT

❶ AIRPORTS SERVED	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 138° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 32:** Climb on heading 318° to 540′, EXPECT RADAR vectors to KARRR.
CHAMBERS CO	**Rwy 12:** Climb on heading 124° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 30:** Climb on heading 304° to 540′, EXPECT RADAR vectors to KARRR.
CLEVELAND MUN	**Rwy 16:** Climb on heading 157° to 1400′, EXPECT RADAR vectors to KARRR. **Rwy 34:** Climb on heading 337° to 2000′, EXPECT RADAR vectors to KARRR.
ELLINGTON	**Rwy 4:** Climb on heading 039° to 540′, EXPECT RADAR vectors to KARRR. **Rwys 17L/R:** Climb on heading 174° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 22:** Climb on heading 219° to 540′, EXPECT RADAR vectors to KARRR. **Rwys 35L/R:** Climb on heading 354° to 540′, EXPECT RADAR vectors to KARRR.
HOOKS MEML	**Rwy 17R:** Climb on heading 168° to 660′, EXPECT RADAR vectors to KARRR. **Rwy 35L:** Climb on heading 348° to 660′, EXPECT RADAR vectors to KARRR.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 174° to 680′, EXPECT RADAR vectors to KARRR. **Rwy 36:** Climb on heading 354° to 680′, EXPECT RADAR vectors to KARRR.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 089° to 2000′, EXPECT RADAR vectors to KARRR. **Rwy 27:** Climb on heading 269° to 2200′, EXPECT RADAR vectors to KARRR.
LA PORTE MUN	**Rwy 5:** Climb on heading 046° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 12:** Climb on heading 121° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 23:** Climb on heading 226° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 30:** Climb on heading 301° to 540′, EXPECT RADAR vectors to KARRR.
LIBERTY MUN	**Rwy 16:** Climb on heading 161° to 1700′, EXPECT RADAR vectors to KARRR. **Rwy 34:** Climb on heading 341° to 1000′, EXPECT RADAR vectors to KARRR.
PEARLAND REGL	**Rwy 14:** Climb on heading 140° to 1600′, EXPECT RADAR vectors to KARRR. **Rwy 32:** Climb on heading 320° to 900′, EXPECT RADAR vectors to KARRR.
R.W.J.	**Rwy 8:** Climb on heading 084° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 14:** Climb on heading 143° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 26:** Climb on heading 264° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 32:** Climb on heading 323° to 540′, EXPECT RADAR vectors to KARRR.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 135° to 520′, EXPECT RADAR vectors to KARRR. **Rwy 18:** Climb on heading 176° to 520′, EXPECT RADAR vectors to KARRR. **Rwy 32:** Climb on heading 315° to 520′, EXPECT RADAR vectors to KARRR. **Rwy 36:** Climb on heading 356° to 520′, EXPECT RADAR vectors to KARRR.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 170° to 1500′, EXPECT RADAR vectors to KARRR. **Rwy 35:** Climb on heading 350° to 1100′, EXPECT RADAR vectors to KARRR.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 175° to 540′, EXPECT RADAR vectors to KARRR. **Rwy 35:** Climb on heading 355° to 540′, EXPECT RADAR vectors to KARRR.
WEST HOUSTON	**Rwy 15:** Climb on heading 150° to 620′, EXPECT RADAR vectors to KARRR. **Rwy 33:** Climb on heading 330° to 620′, EXPECT RADAR vectors to KARRR.

ROUTING

Cross KARRR at or below 16000′. From KARRR on track 218° to KAVCY, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

This SID requires take-off minimums
(for standard minimums, refer to airport chart):
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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

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

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID

SERVES ONLY: ❶

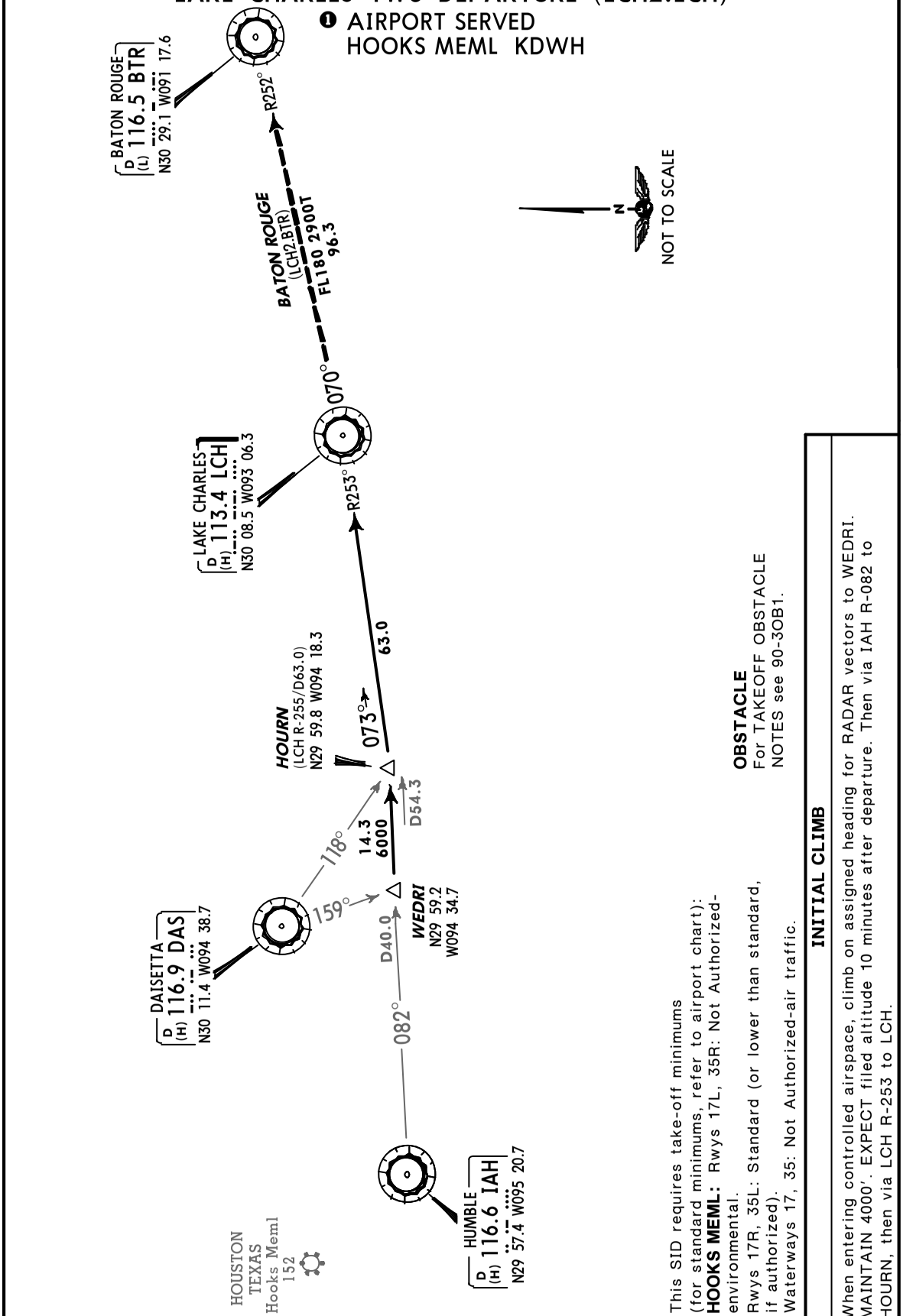
JEPPESEN
23 MAY 14 (90-3L) Eff 29 May

SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′ **RADAR required.**

LAKE CHARLES TWO DEPARTURE (LCH2.LCH)

❶ AIRPORT SERVED
HOOKS MEML KDWH



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

This SID requires take-off minimums (for standard minimums, refer to airport chart):
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.

INITIAL CLIMB

When entering controlled airspace, climb on assigned heading for RADAR vectors to WEDRI. MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. Then via IAH R-082 to HOURN, then via LCH R-253 to LCH.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-3M) Eff 29 May
SID

AREA SID

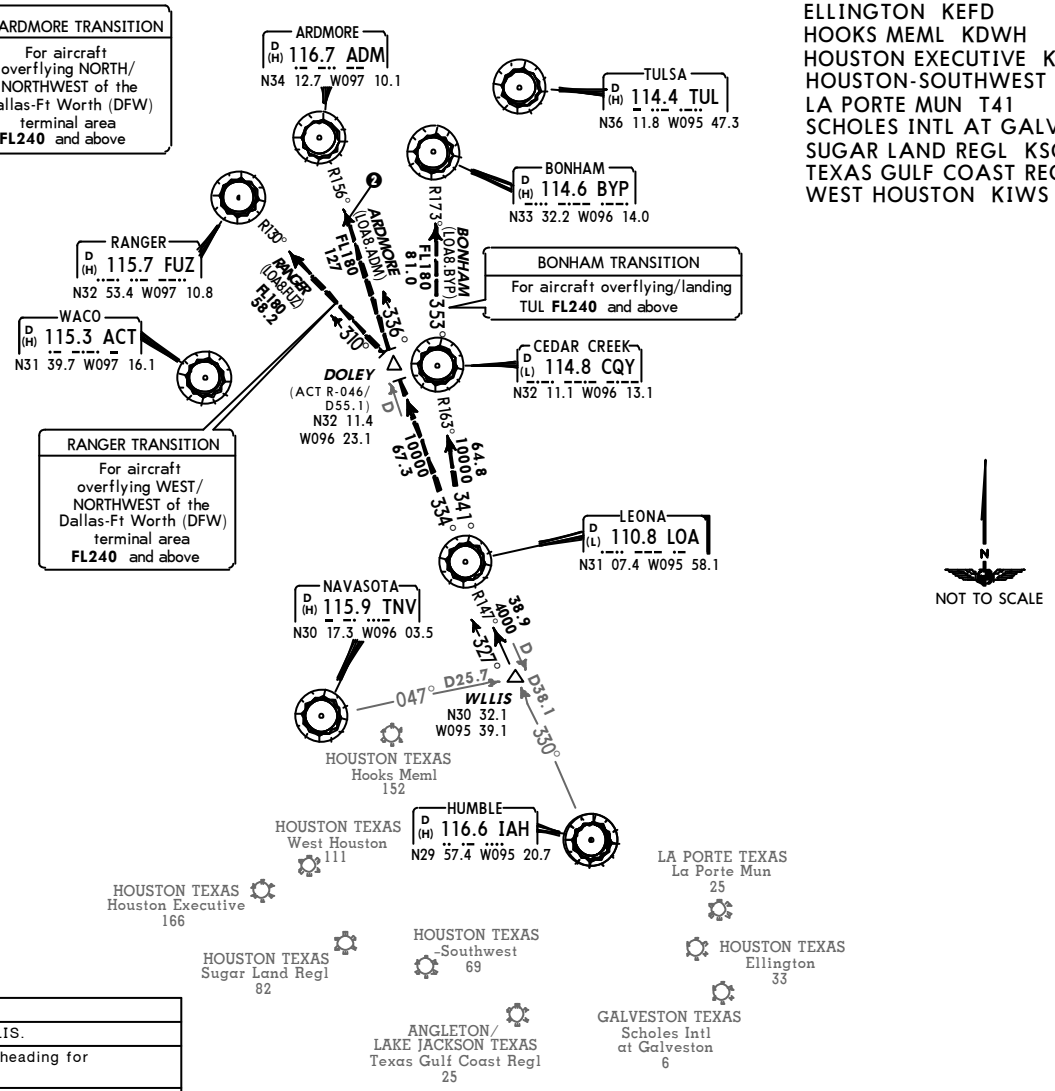
SERVES ONLY: ❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** 2. Except for aircraft destined Waco (ACT) or the Dallas Ft Worth (DFW) terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ, ADM or BYP.

LEONA EIGHT DEPARTURE
(LOA8.LOA)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to WLLIS.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to WLLIS.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. From WLLIS on LOA R-147 to LOA.	

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID
SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3N) Eff 29 May

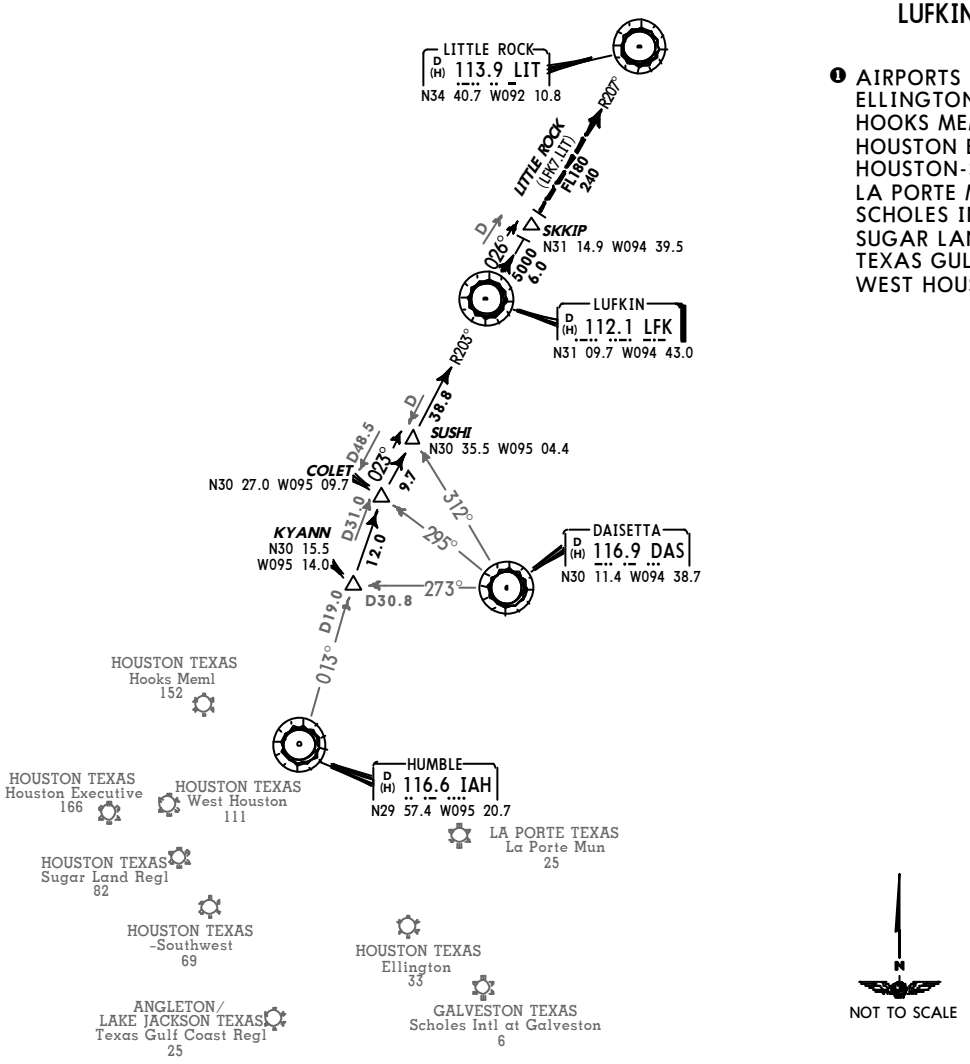
SID

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** 2. For aircraft destined LIT, or overflying LIT or PXV.

LUFKIN SEVEN DEPARTURE
(LFK7.LFK)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to KYANN.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to KYANN.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At KYANN on IAH R-013 to COLET, then RIGHT turn on LFK R-203 to LFK.	

CHANGES: New chart.

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TAKEOFF OBSTACLE NOTES

BAYTOWN

◦ RWY 14:
MULTIPLE TREES, POWER POLES AND HOUSES BEGINNING AT DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60' AGL/89' MSL. VEHICLE 187' FROM DER, 47' RIGHT OF CENTERLINE, 15' AGL/44' MSL. TOWER 4066' FROM DER, 1217' RIGHT OF CENTERLINE, 156' AGL/180' MSL.

◦ RWY 32:
VEHICLE 53' FROM DER, 23' RIGHT OF CENTERLINE, 15' AGL/49' MSL. BUILDINGS BEGINNING 104' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/59' MSL. TREES BEGINNING 116' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 60' AGL/94' 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.

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:
OBSTACLE 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 OF 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.

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TAKEOFF OBSTACLE NOTES (CONTD 1)

ELLINGTON (CONTD)

◦ 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:
MULTIPLE TREES BEGINNING 708' FROM DER, 68' LEFT OF CENTERLINE, UP TO 71' AGL/220' MSL. MULTIPLE HANGARS BEGINNING 433' FROM DER, 515' LEFT OF CENTERLINE, UP TO 37' AGL/182' MSL. DME ANTENNA 653' FROM DER, 256' LEFT OF CENTERLINE, 13' AGL/162' MSL. MULTIPLE TREES AND POLE BEGINNING 85' FROM DER, 294' RIGHT OF CENTERLINE, UP TO 45' AGL/189' MSL.

◦ RWY 35L:
MULTIPLE TREES AND POLES BEGINNING 144' FROM DER, 32' LEFT OF CENTERLINE, UP TO 79' AGL/238' MSL. MULTIPLE HANGARS AND BUILDINGS BEGINNING 85' FROM DER, 9' LEFT OF CENTERLINE, UP TO 53' AGL/202' MSL. MULTIPLE TREES, TOWERS AND POLES BEGINNING 100' FROM DER, 124' RIGHT OF CENTERLINE, UP TO 93' AGL/247' MSL. VEHICLE AND ROAD 315' FROM DER, ON CENTERLINE, 15' AGL/166' MSL. BUILDING 894' FROM DER, 231' RIGHT OF CENTERLINE, 23' AGL/173' 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.

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
(ALEXANDRIA, BOWFN, CRIED, EL DORADO, GIFFA, INDUSTRY, JUNCTION, LAKE CHARLES, LEONA, LUFKIN, PALACIOS DEPARTURES)

◦ RWY 12:
TREES AND POLES BEGINNING 128' FROM DER, 42' LEFT OF CENTERLINE, UP TO 50' AGL/74' MSL. TREES AND POLES BEGINNING 131' FROM DER, 114' RIGHT OF CENTERLINE, UP TO 39' AGL/63' MSL. CHIMNEY 676' FROM DER, 412' RIGHT OF CENTERLINE, 31' AGL/55' MSL.

◦ RWY 23:
TREES BEGINNING 1320' FROM DER, 43' LEFT OF CENTERLINE, UP TO 63' AGL/87' MSL. HANGARS BEGINNING 233' FROM DER, 288' RIGHT OF CENTERLINE, UP TO 35'

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TAKEOFF OBSTACLE NOTES (CONTD 2)

LA PORTE MUN (CONTD)

◦ RWY 23 (CONTD):
AGL/59' MSL. VEHICLE ON ROAD 594' FROM DER, 513' LEFT OF CENTERLINE, 15' AGL/39' MSL. TREES 1010' FROM DER, 1010' RIGHT OF CENTERLINE, UP TO 63' AGL/87' MSL.

◦ RWY 30:
TREES AND POLES BEGINNING 114' FROM DER, 67' LEFT OF CENTERLINE, UP TO 63' AGL/87' MSL. BUILDINGS 335' FROM DER, 356' LEFT OF CENTERLINE, 25' AGL/50' MSL. TREES AND POLES BEGINNING 44' FROM DER, 35' RIGHT OF CENTERLINE, UP TO 52' AGL/76' MSL.

LA PORTE MUN (BORRN, DREMR, INDIE, KARRR, LURIC, MMALT, STRYA, STYCK, WATFO, WYLSN DEPARTURES)

◦ 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/54'MSL. 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. BUILDINGS 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.

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.

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TAKEOFF OBSTACLE NOTES (CONTD 3)

LIBERTY MUN (CONTD)

◦ 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:
MULTIPLE TREES BEGINNING 199' FROM DER, 226' RIGHT OF CENTERLINE, UP TO 66' AGL/100' MSL. VEHICLE ON ROAD 398' FROM DER, 405' LEFT OF CENTERLINE, 9' AGL/55' MSL. TREES 1287' FROM DER, 453' LEFT OF CENTERLINE, UP TO 56' AGL/90' MSL.

◦ RWY 32:
MULTIPLE TREES BEGINNING 690' FROM DER, 81' LEFT OF CENTERLINE, UP TO 79' AGL/128' MSL. MULTIPLE POLES BEGINNING 745' FROM DER, 24' LEFT OF CENTERLINE, UP TO 40' AGL/80' MSL. MULTIPLE TREES AND POLES BEGINNING 29' FROM DER, 11' RIGHT OF CENTERLINE, UP TO 64' AGL/104' MSL. BUILDING 237' FROM DER, 520' RIGHT OF CENTERLINE, 32' AGL/72' 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 14:
VEHICLE ON ROAD BEGINNING 10' FROM DER, CROSSING CENTERLINE, UP TO 15' AGL/44' MSL. BUILDINGS BEGINNING 35' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 30' AGL/59' MSL. TREES BEGINNING 30' FROM DER, CROSSING CENTERLINE, UP TO 100' AGL/129' MSL. POWER LINES BEGINNING 341' FROM DER, CROSSING CENTERLINE, UP TO 32' AGL/61' 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.

◦ RWY 32:
VEHICLE ON ROAD BEGINNING 10' FROM DER, CROSSING CENTERLINE, UP TO 15' AGL/49' MSL. FENCE BEGINNING 30' FROM DER, CROSSING CENTERLINE, UP TO 6' AGL/40' MSL. BUILDINGS BEGINNING 29' FROM DER, 223' LEFT OF CENTERLINE, UP TO 30' AGL/64' MSL. BUILDINGS BEGINNING 31' FROM DER, 146' RIGHT OF CENTERLINE, UP TO 30' AGL/64' MSL. POWER LINES BEGINNING 259' FROM DER, 139' LEFT OF CENTERLINE, UP TO 32' AGL/66' MSL. TREES BEGINNING 620' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/139' MSL.

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TAKEOFF OBSTACLE NOTES (CONTD 4)

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 1510' FROM DER, 721' LEFT OF CENTERLINE, 48' AGL/68' MSL.

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.

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JEPPESEN
23 MAY 14
Eff 29 May
(90-3P)

HOUSTON METROPLEX, TE

RNAV

AREA SID

SERVES ONLY:❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

This SID requires take-off minimums (for standard minimums, refer to airport chart):
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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

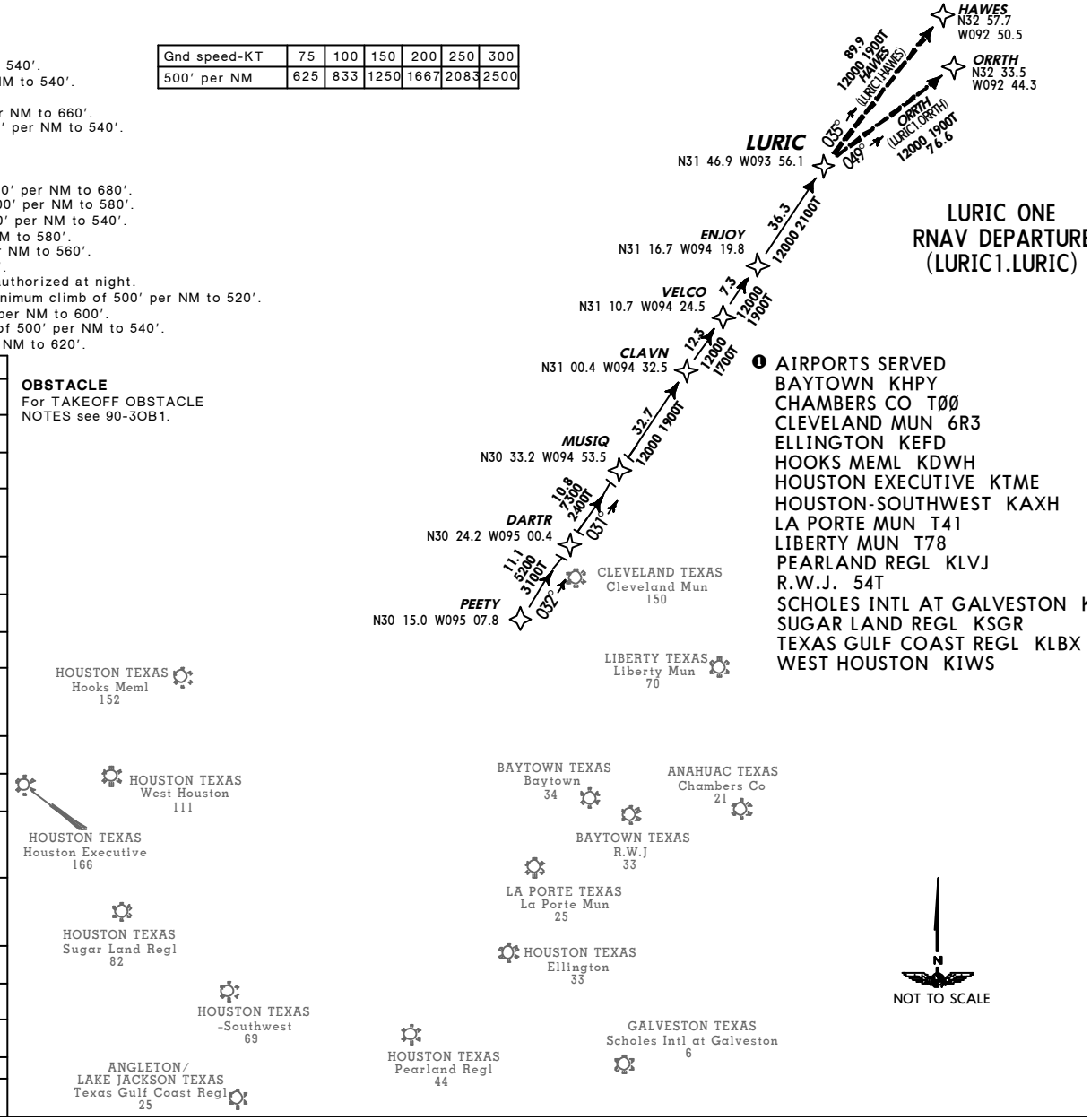
Gnd speed-KT	75	100	150	200	250	300
500′ per NM	625	833	1250	1667	2083	2500

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to PEETY.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to PEETY.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to PEETY. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to PEETY.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to PEETY. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to PEETY. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to PEETY.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to PEETY. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to PEETY.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to PEETY. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to PEETY.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to PEETY. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to PEETY.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to PEETY.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to PEETY. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to PEETY.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to PEETY.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to PEETY.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to PEETY.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to PEETY. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to PEETY.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to PEETY.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to PEETY. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to PEETY.

ROUTING

From PEETY on track 032° to DARTR, then on track 031° to MUSIQ, CLAVN, VELCO, ENJOY and LURIC, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



LURIC ONE RNAV DEPARTURE (LURIC1.LURIC)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON K
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

JEPPESEN
23 MAY 14 (90-3Q) Eff 29 May

RNAV SID

AREA SID
SERVES ONLY: ❶

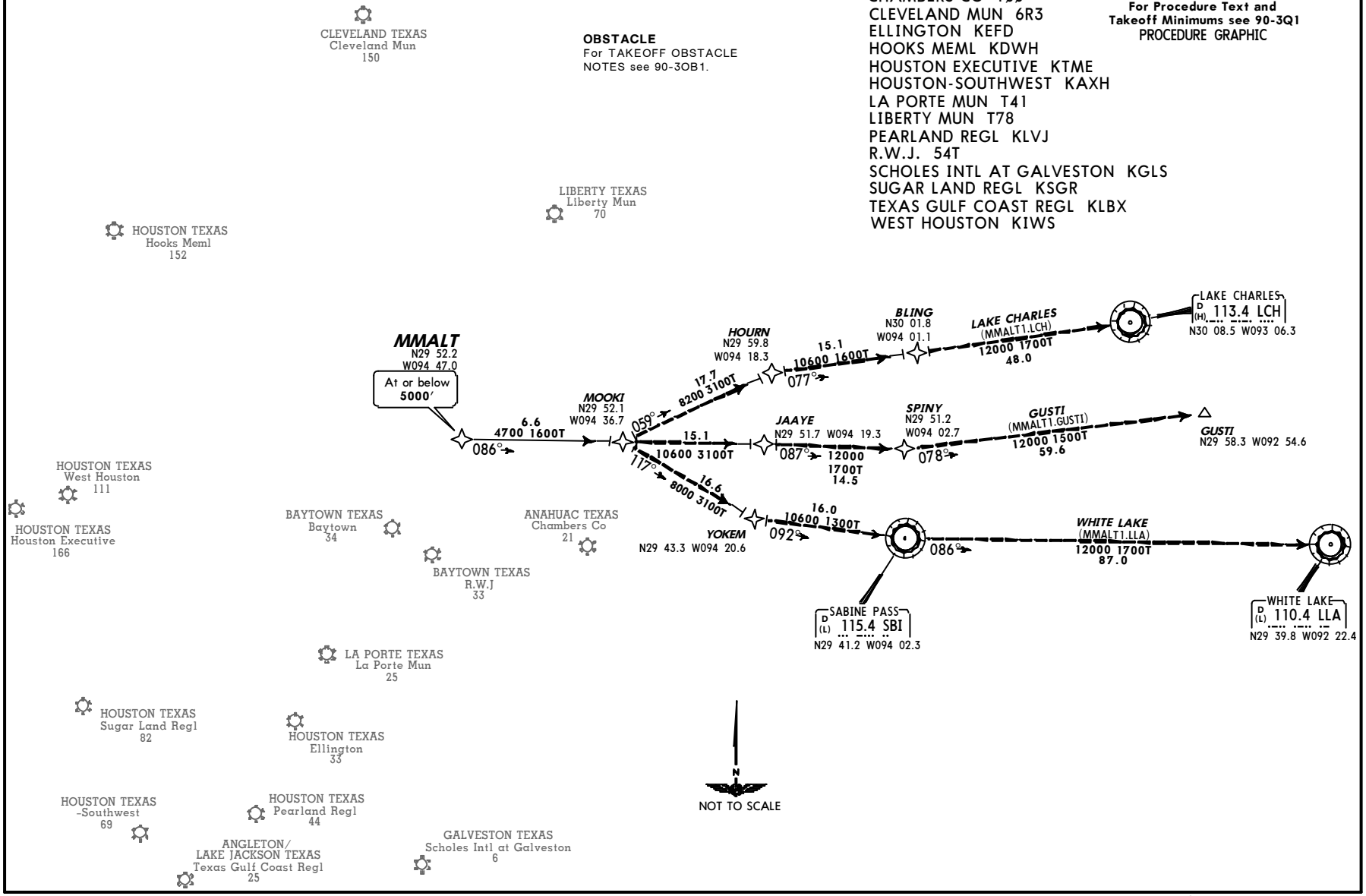
Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. DME/DME/IRU or GPS required. 3. RNAV 1.

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

MMALT ONE RNAV DEPARTURE (MMALT1.MMALT)

For Procedure Text and Takeoff Minimums see 90-3Q1 PROCEDURE GRAPHIC

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



CHANGES: New chart.

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AREA SID
SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3Q1) Eff 29 May

MMALT ONE RNAV DEPARTURE (MMALT1.MMALT)

For Procedure Graphic see 90-3Q
PROCEDURE TEXT

❶ AIRPORTS SERVED	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 138° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 32:** Climb on heading 318° to 540′, EXPECT RADAR vectors to MMALT.
CHAMBERS CO	**Rwy 12:** Climb on heading 124° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 30:** Climb on heading 304° to 540′, EXPECT RADAR vectors to MMALT.
CLEVELAND MUN	**Rwy 16:** Climb on heading 157° to 1400′, EXPECT RADAR vectors to MMALT. **Rwy 34:** Climb on heading 337° to 2000′, EXPECT RADAR vectors to MMALT.
ELLINGTON	**Rwy 4:** Climb on heading 039° to 540′, EXPECT RADAR vectors to MMALT. **Rwys 17L/R:** Climb on heading 174° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 22:** Climb on heading 219° to 540′, EXPECT RADAR vectors to MMALT. **Rwys 35L/R:** Climb on heading 354° to 540′, EXPECT RADAR vectors to MMALT.
HOOKS MEML	**Rwy 17R:** Climb on heading 168° to 660′, EXPECT RADAR vectors to MMALT. **Rwy 35L:** Climb on heading 348° to 660′, EXPECT RADAR vectors to MMALT.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 174° to 680′, EXPECT RADAR vectors to MMALT. **Rwy 36:** Climb on heading 354° to 680′, EXPECT RADAR vectors to MMALT.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 089° to 2000′, EXPECT RADAR vectors to MMALT. **Rwy 27:** Climb on heading 269° to 2200′, EXPECT RADAR vectors to MMALT.
LA PORTE MUN	**Rwy 5:** Climb on heading 046° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 12:** Climb on heading 121° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 23:** Climb on heading 226° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 30:** Climb on heading 301° to 540′, EXPECT RADAR vectors to MMALT.
LIBERTY MUN	**Rwy 16:** Climb on heading 161° to 1700′, EXPECT RADAR vectors to MMALT. **Rwy 34:** Climb on heading 341° to 1000′, EXPECT RADAR vectors to MMALT.
PEARLAND REGL	**Rwy 14:** Climb on heading 140° to 1600′, EXPECT RADAR vectors to MMALT. **Rwy 32:** Climb on heading 320° to 900′, EXPECT RADAR vectors to MMALT.
R.W.J.	**Rwy 8:** Climb on heading 084° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 14:** Climb on heading 143° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 26:** Climb on heading 264° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 32:** Climb on heading 323° to 540′, EXPECT RADAR vectors to MMALT.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 135° to 520′, EXPECT RADAR vectors to MMALT. **Rwy 18:** Climb on heading 176° to 520′, EXPECT RADAR vectors to MMALT. **Rwy 32:** Climb on heading 315° to 520′, EXPECT RADAR vectors to MMALT. **Rwy 36:** Climb on heading 356° to 520′, EXPECT RADAR vectors to MMALT.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 170° to 1500′, EXPECT RADAR vectors to MMALT. **Rwy 35:** Climb on heading 350° to 1100′, EXPECT RADAR vectors to MMALT.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 175° to 540′, EXPECT RADAR vectors to MMALT. **Rwy 35:** Climb on heading 355° to 540′, EXPECT RADAR vectors to MMALT.
WEST HOUSTON	**Rwy 15:** Climb on heading 150° to 620′, EXPECT RADAR vectors to MMALT. **Rwy 33:** Climb on heading 330° to 620′, EXPECT RADAR vectors to MMALT.

ROUTING

Cross MMALT at or below 5000′. From MMALT on track 086° to MOOKI, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

This SID requires take-off minimums
(for standard minimums, refer to airport chart):
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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

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

CHANGES: New chart.

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AREA SID

SERVES ONLY: ❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**RADAR required.**

PALACIOS FIVE DEPARTURE (PSX5.PSX)

❶ AIRPORTS SERVED
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

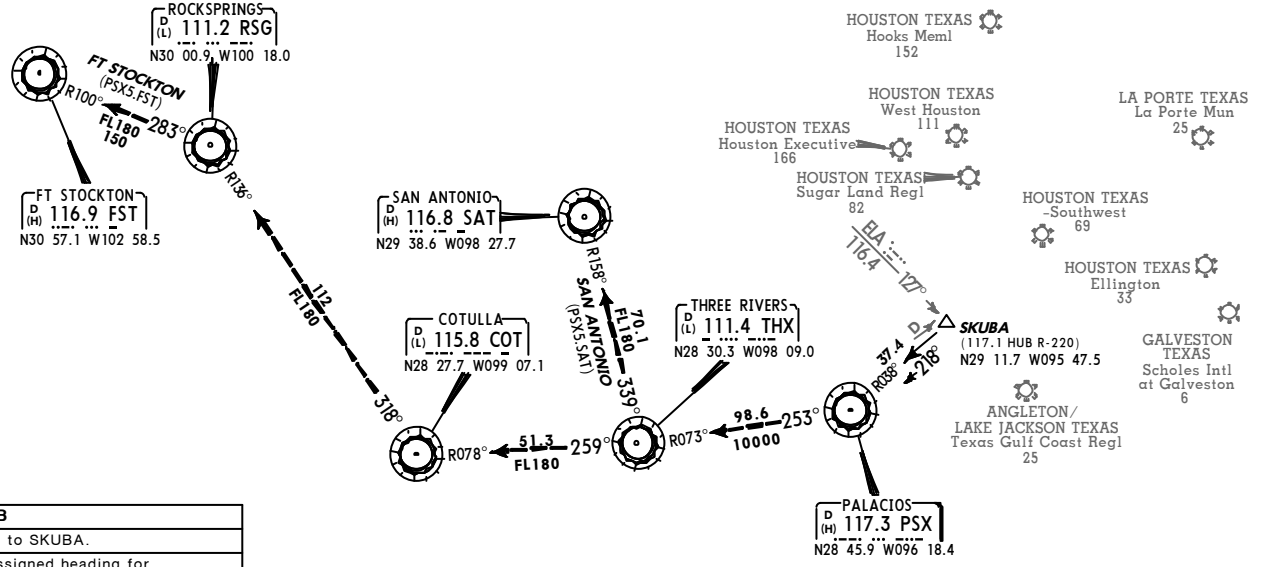
OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

NOT TO SCALE

This SID requires take-off 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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to SKUBA.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to SKUBA.
ROUTING	
MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At SKUBA on PSX R-038 to PSX.	



CHANGES: New chart.

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JEPPESEN
23 MAY 14
Eff 29 May
90-3T

AREA SID

SERVES ONLY:❶

HOUSTON METROPLEX, TE

RNAV

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	**1. RADAR required.** **2. DME/DME/IRU or GPS required.** **3. RNAV 1.**

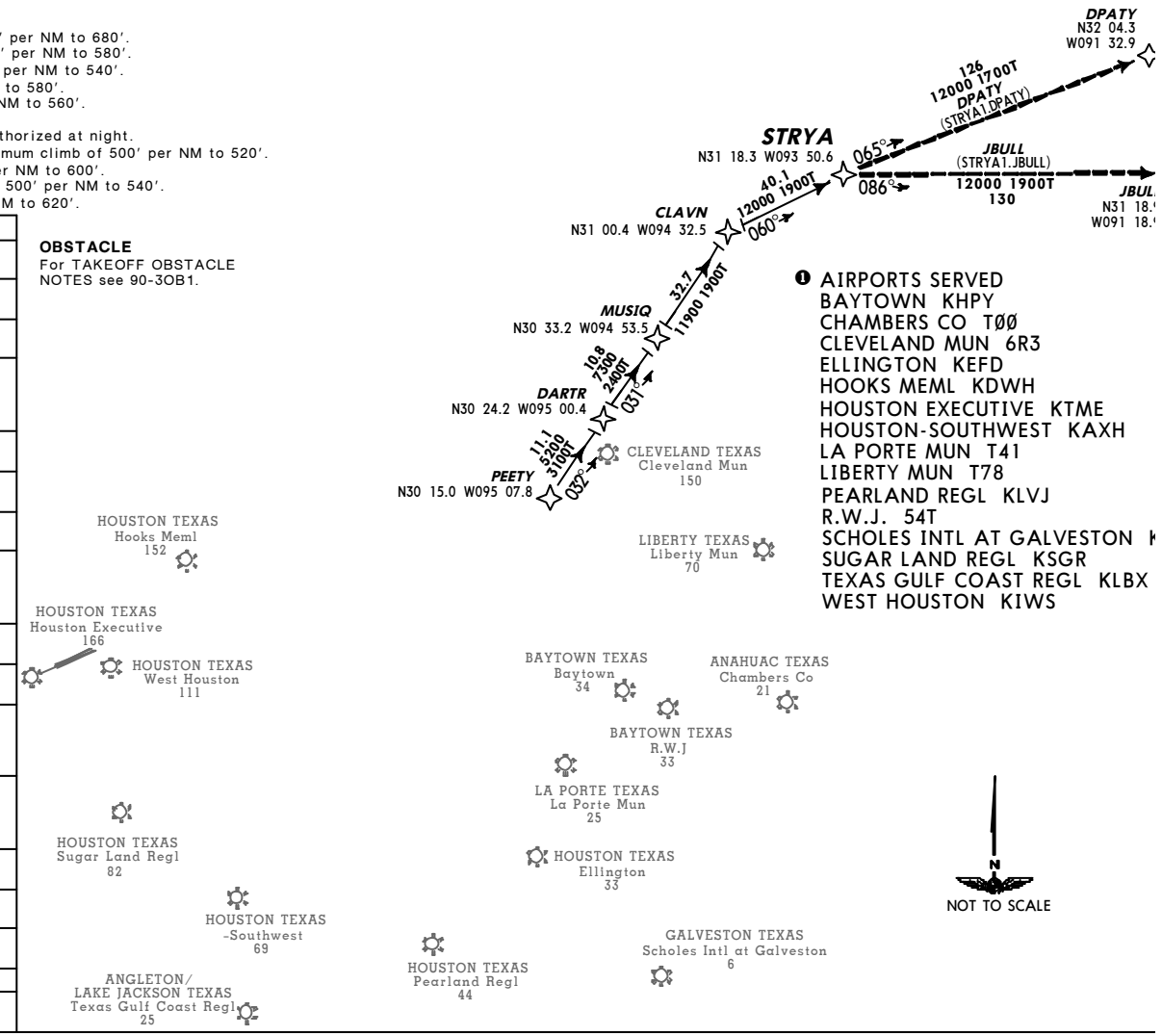
STRYA ONE RNAV DEPARTURE
(STRYA1.STRYA)

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

This SID requires take-off minimums (for standard minimums, refer to airport chart):
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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to PEETY.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to PEETY.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to PEETY. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to PEETY.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to PEETY. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to PEETY. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to PEETY.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to PEETY. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to PEETY.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to PEETY. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to PEETY.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to PEETY. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to PEETY.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to PEETY.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to PEETY. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to PEETY.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to PEETY.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to PEETY.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to PEETY. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to PEETY.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to PEETY. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to PEETY.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to PEETY. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to PEETY.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to PEETY. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to PEETY.
ROUTING	
From PEETY on track 032° to DARTR, then on track 031° to MUSIQ, CLAVN, then on track 061° to STRYA, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.	

OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.



❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO T00
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON K
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID

SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3U) Eff 29 May

SID

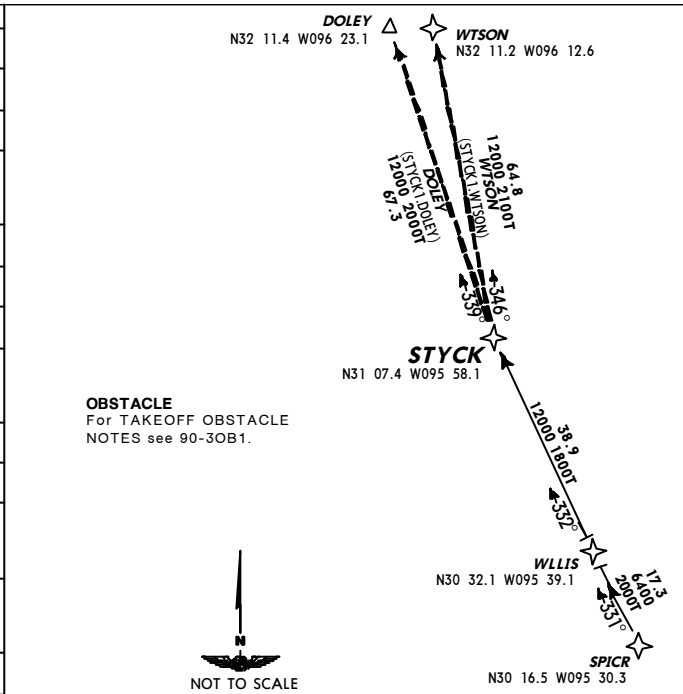
Apt Elev See graphic	Trans level: FL180	Trans alt: 18000′

1. RADAR required.
2. DME/DME/IRU or GPS required.
3. RNAV 1.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to SPICR.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to SPICR.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to SPICR. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to SPICR.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to SPICR. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to SPICR. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to SPICR.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to SPICR. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to SPICR.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to SPICR. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to SPICR.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to SPICR. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to SPICR.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to SPICR.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to SPICR. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to SPICR.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to SPICR. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to SPICR.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to SPICR.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to SPICR. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to SPICR. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to SPICR. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to SPICR.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to SPICR. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to SPICR.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to SPICR. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to SPICR.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to SPICR. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to SPICR.

ROUTING

From SPICR on track 331° to WLLIS, then on track 332° to STYCK, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.

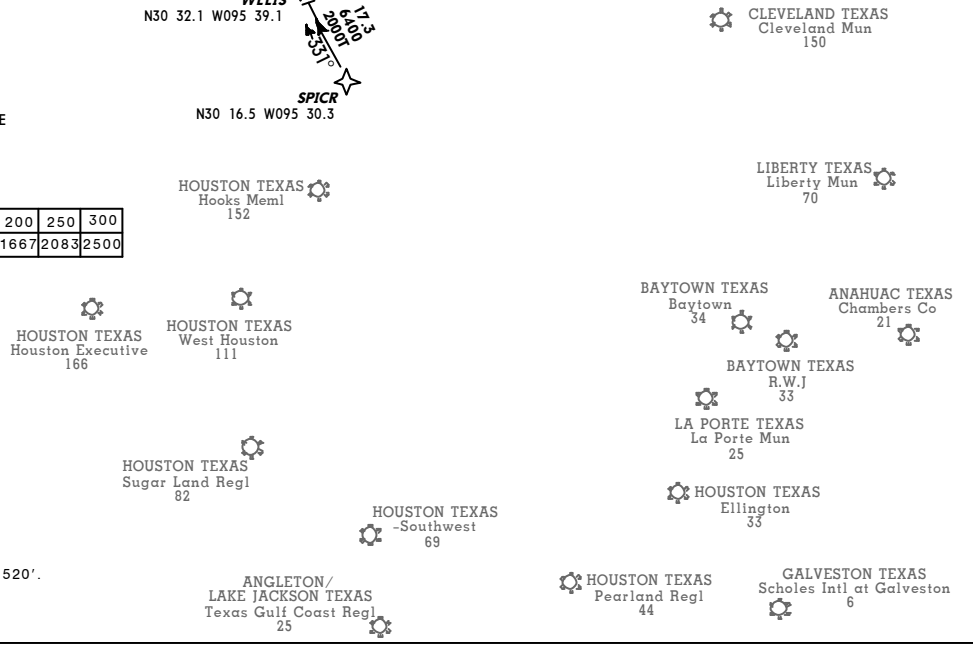


OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

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

STYCK ONE RNAV DEPARTURE (STYCK1.STYCK)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS



This SID requires take-off minimums (for standard minimums, refer to airport chart):
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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

SID

AREA SID

SERVES ONLY: ❶

JEPPESEN

23 MAY 14 (90-3V) Eff 29 May

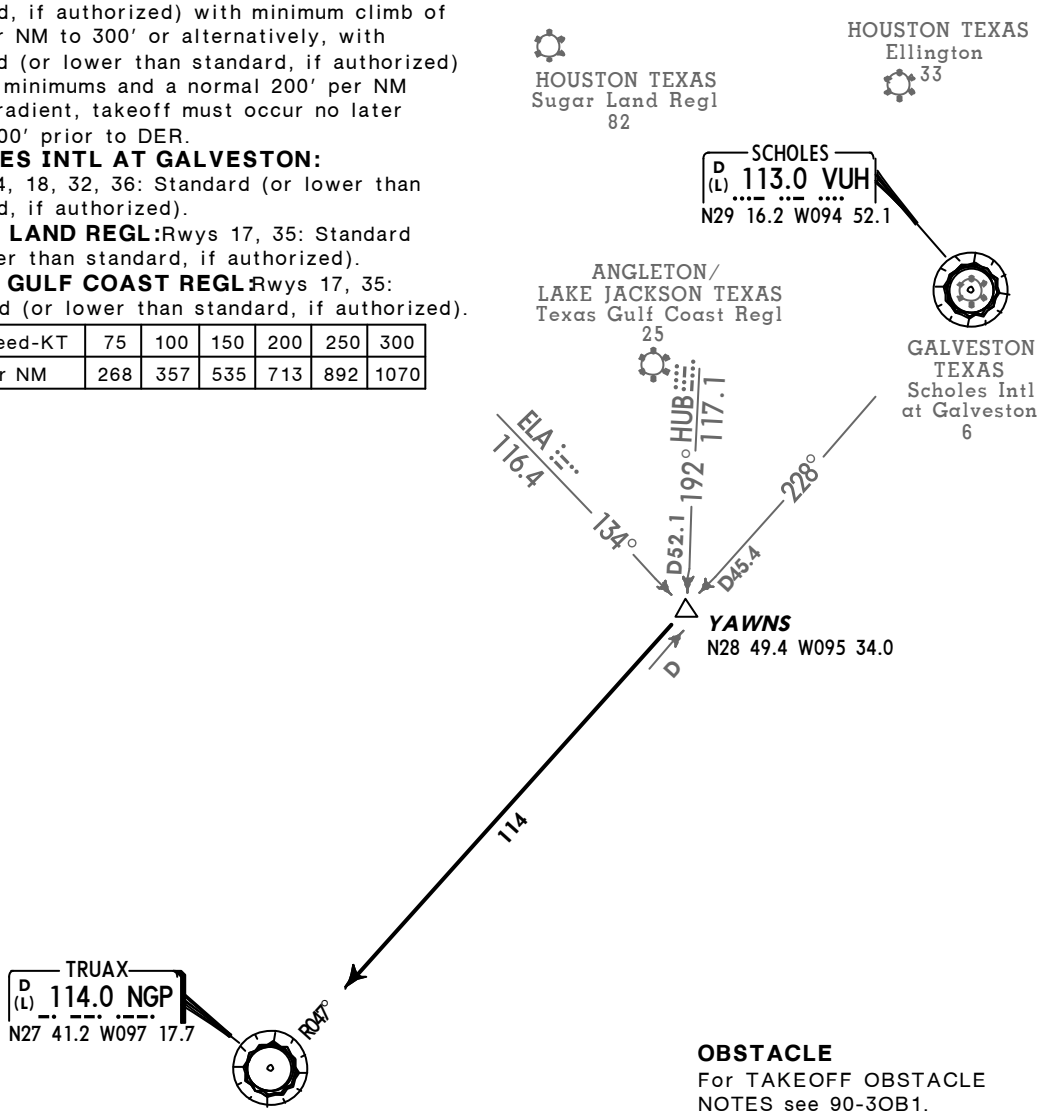
Apt Elev *See graphic*	Trans level: FL180 Trans alt: 18000′ **1. RADAR required.** 2. For aircraft filed FL180 and above to Rio Grande Valley area or for aircraft filed FL180 and above overflying NGP to international destinations.

TRUAX THREE DEPARTURE (NGP3.NGP)

❶ AIRPORTS SERVED
ELLINGTON KEFD
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX

This SID requires take-off 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.
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).

Gnd speed-KT	75	100	150	200	250	300
214′ per NM	268	357	535	713	892	1070



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

AIRPORT	INITIAL CLIMB
ELLINGTON	Climb on assigned heading for RADAR vectors to YAWNS.
ALL OTHER AIRPORTS	When entering controlled airspace, climb on assigned heading for RADAR vectors to YAWNS.

ROUTING

MAINTAIN 4000′. EXPECT filed altitude 10 minutes after departure. At YAWNS, on VUH R-228 and NGP R-047 to NGP.

CHANGES: New chart.

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JEPPESEN
23 MAY 14
Eff 29 May
90-3W

HOUSTON METROPLEX, TE

RNAV

AREA SID

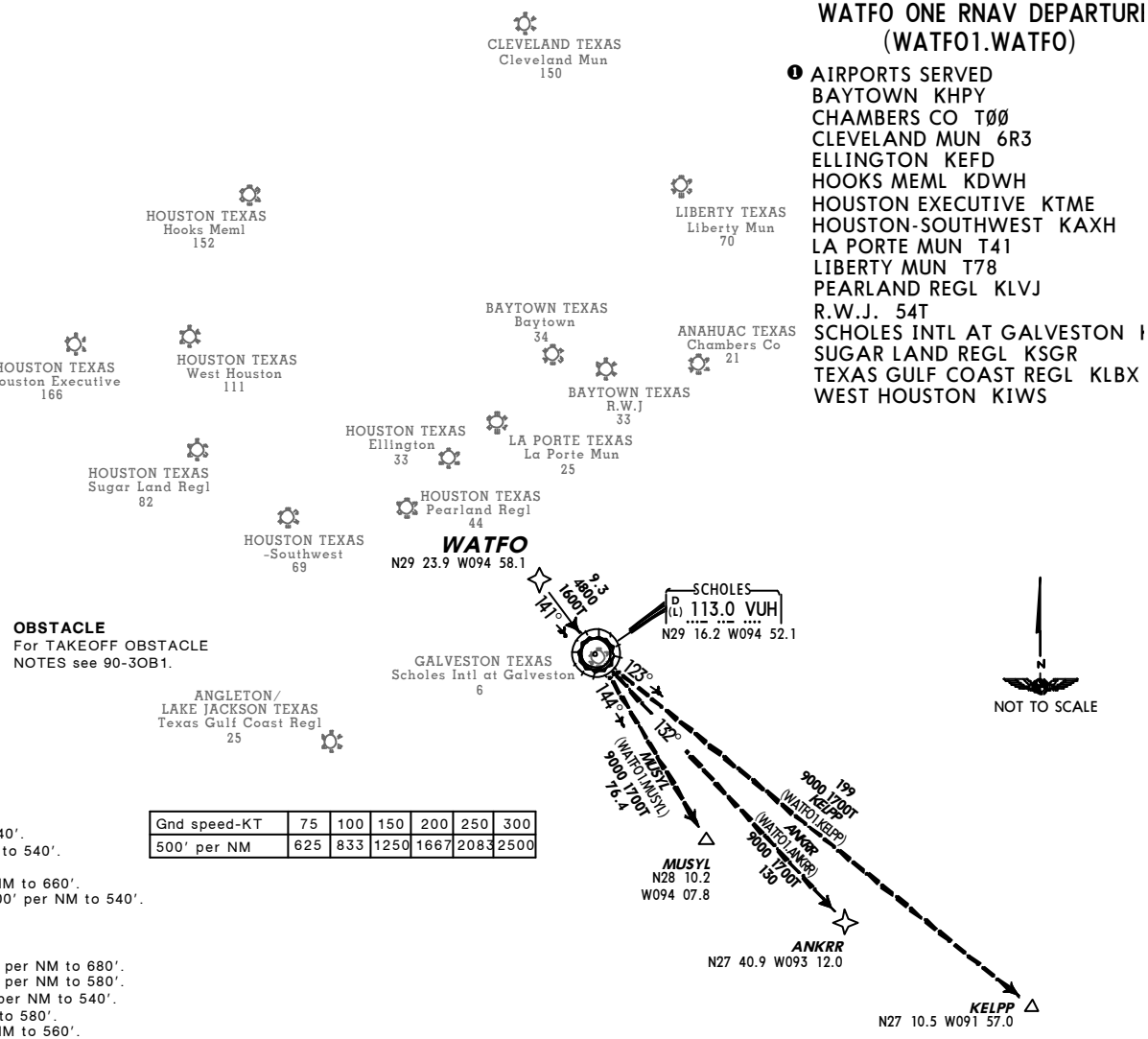
SERVES ONLY:❶

Apt Elev See graphic	Trans level: FL180 Trans alt: 18000′	1. RADAR required. 2. GPS required. 3. RNAV 1.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 138° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 32:** Climb on heading 318° to 540′, EXPECT RADAR vectors to WATFO.
CHAMBERS CO	**Rwy 12:** Climb on heading 124° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 30:** Climb on heading 304° to 540′, EXPECT RADAR vectors to WATFO.
CLEVELAND MUN	**Rwy 16:** Climb on heading 157° to 1400′, EXPECT RADAR vectors to WATFO. **Rwy 34:** Climb on heading 337° to 2000′, EXPECT RADAR vectors to WATFO.
ELLINGTON	**Rwy 4:** Climb on heading 039° to 540′, EXPECT RADAR vectors to WATFO. **Rwys 17L/R:** Climb on heading 174° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 22:** Climb on heading 219° to 540′, EXPECT RADAR vectors to WATFO. **Rwys 35L/R:** Climb on heading 354° to 540′, EXPECT RADAR vectors to WATFO.
HOOKS MEML	**Rwy 17R:** Climb on heading 168° to 660′, EXPECT RADAR vectors to WATFO. **Rwy 35L:** Climb on heading 348° to 660′, EXPECT RADAR vectors to WATFO.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 174° to 680′, EXPECT RADAR vectors to WATFO. **Rwy 36:** Climb on heading 354° to 680′, EXPECT RADAR vectors to WATFO.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 089° to 2000′, EXPECT RADAR vectors to WATFO. **Rwy 27:** Climb on heading 269° to 2200′, EXPECT RADAR vectors to WATFO.
LA PORTE MUN	**Rwy 5:** Climb on heading 046° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 12:** Climb on heading 121° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 23:** Climb on heading 226° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 30:** Climb on heading 301° to 540′, EXPECT RADAR vectors to WATFO.
LIBERTY MUN	**Rwy 16:** Climb on heading 161° to 1700′, EXPECT RADAR vectors to WATFO. **Rwy 34:** Climb on heading 341° to 1000′, EXPECT RADAR vectors to WATFO.
PEARLAND REGL	**Rwy 14:** Climb on heading 140° to 1600′, EXPECT RADAR vectors to WATFO. **Rwy 32:** Climb on heading 320° to 900′, EXPECT RADAR vectors to WATFO.
R.W.J.	**Rwy 8:** Climb on heading 084° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 14:** Climb on heading 143° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 26:** Climb on heading 264° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 32:** Climb on heading 323° to 540′, EXPECT RADAR vectors to WATFO.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 135° to 520′, EXPECT RADAR vectors to WATFO. **Rwy 18:** Climb on heading 176° to 520′, EXPECT RADAR vectors to WATFO. **Rwy 32:** Climb on heading 315° to 520′, EXPECT RADAR vectors to WATFO. **Rwy 36:** Climb on heading 356° to 520′, EXPECT RADAR vectors to WATFO.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 170° to 1500′, EXPECT RADAR vectors to WATFO. **Rwy 35:** Climb on heading 350° to 1100′, EXPECT RADAR vectors to WATFO.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 175° to 540′, EXPECT RADAR vectors to WATFO. **Rwy 35:** Climb on heading 355° to 540′, EXPECT RADAR vectors to WATFO.
WEST HOUSTON	**Rwy 15:** Climb on heading 150° to 620′, EXPECT RADAR vectors to WATFO. **Rwy 33:** Climb on heading 330° to 620′, EXPECT RADAR vectors to WATFO.

ROUTING

From WATFO on track 141° to VUH, then on transition. MAINTAIN 4000′ or as assigned by ATC. EXPECT filed altitude 10 minutes after departure.



OBSTACLE
For TAKEOFF OBSTACLE NOTES see 90-3OB1.

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

WATFO ONE RNAV DEPARTURE (WATFO1.WATFO)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON K
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

This SID requires take-off minimums (for standard minimums, refer to airport chart):
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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

CHANGES: New chart.

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HOUSTON METROPLEX, TEXAS

AREA SID

SERVES ONLY: ❶

JEPPESEN
23 MAY 14 (90-3X) Eff 29 May

RNAV SID

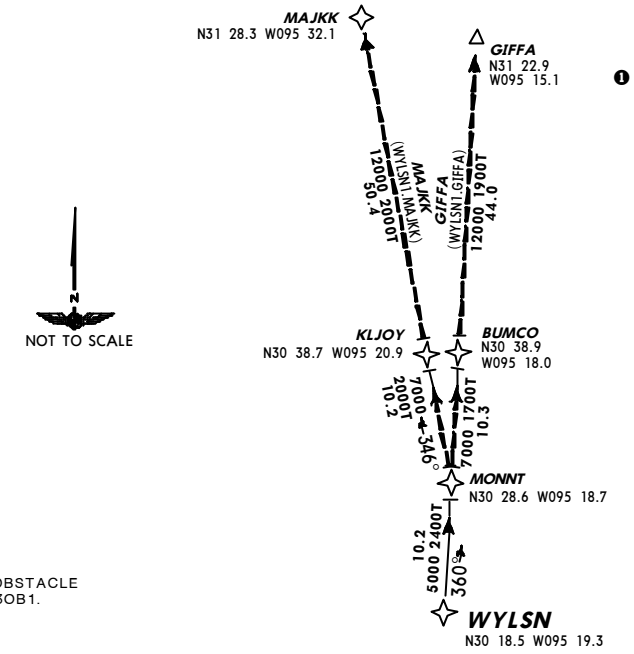
Apt Elev See graphic	Trans level: FL180	Trans alt: 18000′

1. RADAR required.
2. DME/DME/IRU or GPS required. 3. RNAV 1.
4. MAJKK Transition ATC assigned only.

AIRPORT	INITIAL CLIMB
BAYTOWN	**Rwy 14:** Climb on heading 140° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 32:** Climb on heading 320° to 540′, EXPECT RADAR vectors to WYLSN.
CHAMBERS CO	**Rwy 12:** Climb on heading 126° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 30:** Climb on heading 306° to 540′, EXPECT RADAR vectors to WYLSN.
CLEVELAND MUN	**Rwy 16:** Climb on heading 159° to 1400′, EXPECT RADAR vectors to WYLSN. **Rwy 34:** Climb on heading 339° to 2000′, EXPECT RADAR vectors to WYLSN.
ELLINGTON	**Rwy 4:** Climb on heading 041° to 540′, EXPECT RADAR vectors to WYLSN. **Rwys 17L/R:** Climb on heading 176° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 22:** Climb on heading 221° to 540′, EXPECT RADAR vectors to WYLSN. **Rwys 35L/R:** Climb on heading 356° to 540′, EXPECT RADAR vectors to WYLSN.
HOOKS MEML	**Rwy 17R:** Climb on heading 170° to 660′, EXPECT RADAR vectors to WYLSN. **Rwy 35L:** Climb on heading 350° to 660′, EXPECT RADAR vectors to WYLSN.
HOUSTON EXECUTIVE	**Rwy 18:** Climb on heading 176° to 680′, EXPECT RADAR vectors to WYLSN. **Rwy 36:** Climb on heading 356° to 680′, EXPECT RADAR vectors to WYLSN.
HOUSTON -SOUTHWEST	**Rwy 9:** Climb on heading 091° to 2000′, EXPECT RADAR vectors to WYLSN. **Rwy 27:** Climb on heading 271° to 2200′, EXPECT RADAR vectors to WYLSN.
LA PORTE MUN	**Rwy 5:** Climb on heading 048° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 12:** Climb on heading 123° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 23:** Climb on heading 228° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 30:** Climb on heading 303° to 540′, EXPECT RADAR vectors to WYLSN.
LIBERTY MUN	**Rwy 16:** Climb on heading 163° to 1700′, EXPECT RADAR vectors to WYLSN. **Rwy 34:** Climb on heading 343° to 1000′, EXPECT RADAR vectors to WYLSN.
PEARLAND REGL	**Rwy 14:** Climb on heading 142° to 1600′, EXPECT RADAR vectors to WYLSN. **Rwy 32:** Climb on heading 322° to 900′, EXPECT RADAR vectors to WYLSN.
R.W.J.	**Rwy 8:** Climb on heading 086° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 14:** Climb on heading 145° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 26:** Climb on heading 266° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 32:** Climb on heading 325° to 540′, EXPECT RADAR vectors to WYLSN.
SCHOLES INTL AT GALVESTON	**Rwy 14:** Climb on heading 137° to 520′, EXPECT RADAR vectors to WYLSN. **Rwy 18:** Climb on heading 178° to 520′, EXPECT RADAR vectors to WYLSN. **Rwy 32:** Climb on heading 317° to 520′, EXPECT RADAR vectors to WYLSN. **Rwy 36:** Climb on heading 358° to 520′, EXPECT RADAR vectors to WYLSN.
SUGAR LAND REGL	**Rwy 17:** Climb on heading 172° to 1500′, EXPECT RADAR vectors to WYLSN. **Rwy 35:** Climb on heading 352° to 1100′, EXPECT RADAR vectors to WYLSN.
TEXAS GULF COAST REGL	**Rwy 17:** Climb on heading 177° to 540′, EXPECT RADAR vectors to WYLSN. **Rwy 35:** Climb on heading 357° to 540′, EXPECT RADAR vectors to WYLSN.
WEST HOUSTON	**Rwy 15:** Climb on heading 152° to 620′, EXPECT RADAR vectors to WYLSN. **Rwy 33:** Climb on heading 332° to 620′, EXPECT RADAR vectors to WYLSN.

ROUTING

From WYLSN on track 360° to MONNT, then on transition. MAINTAIN 4000′ or as assigned by ATC.
EXPECT filed altitude 10 minutes after departure.

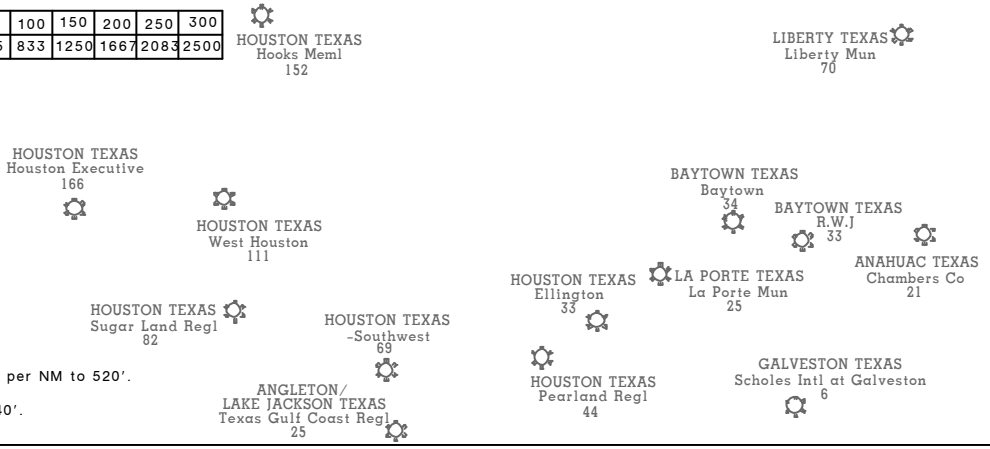


OBSTACLE
For TAKEOFF OBSTACLE
NOTES see 90-3OB1.

WYLSN ONE RNAV DEPARTURE
(WYLSN1.WYLSN)

❶ AIRPORTS SERVED
BAYTOWN KHPY
CHAMBERS CO TØØ
CLEVELAND MUN 6R3
ELLINGTON KEFD
HOOKS MEML KDWH
HOUSTON EXECUTIVE KTME
HOUSTON-SOUTHWEST KAXH
LA PORTE MUN T41
LIBERTY MUN T78
PEARLAND REGL KLVJ
R.W.J. 54T
SCHOLES INTL AT GALVESTON KGLS
SUGAR LAND REGL KSGR
TEXAS GULF COAST REGL KLBX
WEST HOUSTON KIWS

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



This SID requires take-off minimums (for standard minimums, refer to airport chart):
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, 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: Standard (or lower than standard, if authorized) with minimum climb of 500′ per NM to 540′. Not authorized at night.
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′.

CHANGES: New chart.

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