

ALEXANDRIA THREE DEPARTURE
 (AEX3.AEX) 07OCT21

ALEXANDRIA THREE DEPARTURE
 (AEX3.AEX) 21280

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 9, 26L/R, 27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

MUSIQ
 N30°33.17'
 W94°53.53'

DARTR
 N30°24.19'
 W95°00.41'

LUFKIN
 112.1 LFK
 Chan 58

COSGO
 N31°13.26'
 W93°27.16'

ALEXANDRIA
 116.1 AEX
 Chan 108
 N31°15.40'
 W92°30.06'

VELCO
 N31°10.67'
 W94°24.55'
 10000

V212
 J50

V212
 J50

POLK
 108.4 FXU

DAISETTA
 116.9 DAS
 Chan 116

MC COMB
 116.7 MCB
 Chan 114
 N31°18.27'
 W90°15.49'
 L-21-22, H-6

CRESTVIEW
 115.9 CEW
 Chan 106
 N30°49.57'
 W86°40.75'
 L-21-22, H-6

RAECN
 N30°05.08'
 W95°14.95'

HUMBLE
 116.6 IAH
 Chan 113

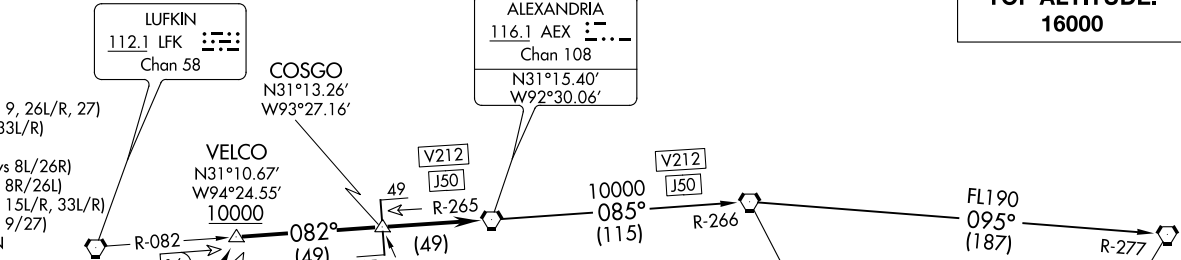


TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: RADAR required.
 NOTE: The following TRANSITIONS are ATC assigned only. Do not file.
 CRESTVIEW TRANSITION: (For aircraft being weather rerouted to join a jet route off CEW VORTAC or overflying CEW VORTAC to join a direct route).
 MC COMB TRANSITION: (For aircraft being weather rerouted to join a jet route off MCB VORTAC or overflying MCB VORTAC to join a direct route).

**TOP ALTITUDE:
 16000**



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

HOUSTON, TEXAS
 GEORGE BUSH INTLNTL/HOUSTON (IAH)

HOUSTON, TEXAS
 GEORGE BUSH INTLNTL/HOUSTON (IAH)
 AL-5461 (FAA)

ALEXANDRIA THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to RAECN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-028 to VELCO INT, cross VELCO INT at or above 10000, then right turn on LFK R-082 and AEX R-265 to AEX VORTAC.

CRESTVIEW TRANSITION (AEX3.CEW): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC, then on MCB R-095 and CEW R-277 to CEW VORTAC.

MC COMB TRANSITION (AEX3.MCB): From over AEX VORTAC on AEX R-085 and MCB R-266 to MCB VORTAC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(BLTWY7.BLTWY) 21280

GEORGE BUSH INTCNL/HOUSTON (IAH)

BLTWY SEVEN DEPARTURE (RNAV) AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

TOP ALTITUDE:
16000

NOTE: RADAR required.
 NOTE: DME/DME/IRU or GPS required.
 NOTE: RNAV 1.

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 600.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to DREMR, thence

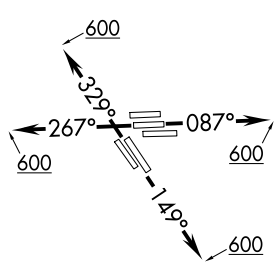
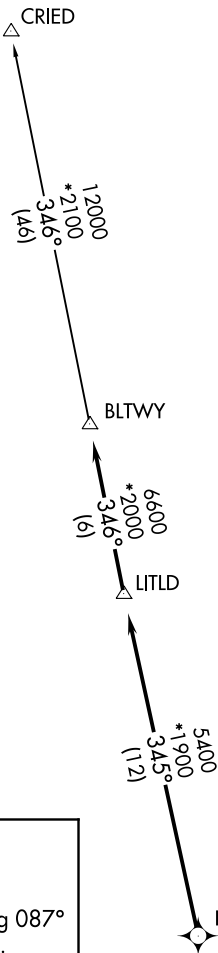
TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to DREMR, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to DREMR, thence

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to DREMR, thence

. . . . on track 345° to LITLD, then on track 346° to BLTWY, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

CRIED TRANSITION (BLTWY7.CRIED)



NOTE: Chart not to scale.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

BLTWY SEVEN DEPARTURE (RNAV)

HOUSTON, TEXAS

(BLTWY7.BLTWY) 07OCT21

GEORGE BUSH INTCNL/HOUSTON (IAH)

**TOP ALTITUDE:
16000**

TAKEOFF MINIMUMS

Rwys 15L/R, 26L/R, 27, 33L/R: Standard with minimum climb of 500' per NM to 1200.

NOTE: RADAR required.

NOTE: DME/DME/IRU or GPS required.

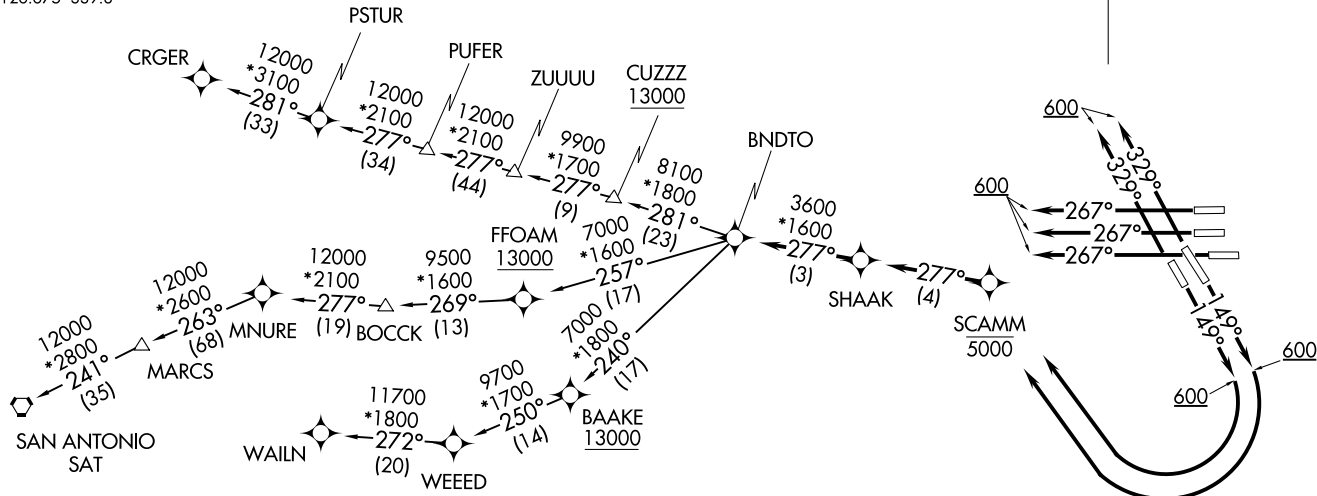
NOTE: RNAV 1.

NOTE: For use during west flow at IAH, for east flow file the PITZZ DEPARTURE.

D-ATIS
124.05
CLNIC DEL
128.1
CPDLC
GND CON
118.575 (Rwys 8L/R, 26L/R, 9, 27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER
120.725 290.2 (Rwys 8L, 26R)
125.35 290.2 (Rwys 8R, 26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9, 27)
HOUSTON DEP CON
126.675 339.8

BNDTO FIVE DEPARTURE (RNAV)
(BNDT05, BNDTO) 10DECI5

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

BNDTO FIVE DEPARTURE (RNAV)
(BNDT05, BNDTO) 21112

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then right turn direct to cross SCAMM at or below 5000, then on track 277° to SHAAK, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to SHAAK, thence

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to SHAAK, thence

. . . . on track 277° to BNDTO, then on (transition). Maintain 16000.
Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (BNDTO5.CRGER)

MNURE TRANSITION (BNDTO5.MNURE)

SAN ANTONIO TRANSITION (BNDTO5.SAT)

WAILN TRANSITION (BNDTO5.WAILN)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

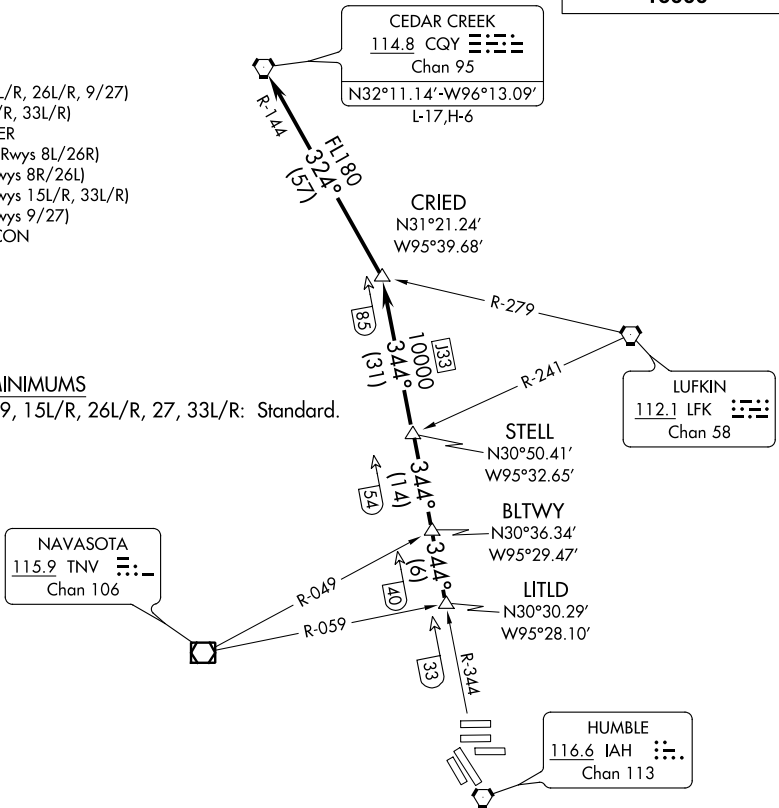
CRIED ONE DEPARTURE

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

**TOP ALTITUDE:
 16000**

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.



NOTE: RADAR required.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to LITLD INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence

. . . . on IAH R-344 to STELL INT, then on IAH R-344 to CRIED INT, then left turn on CQY R-144 to CQY VORTAC.

EL DORADO ONE DEPARTURE

AL-5461 (FAA)

HOUSTON, TEXAS

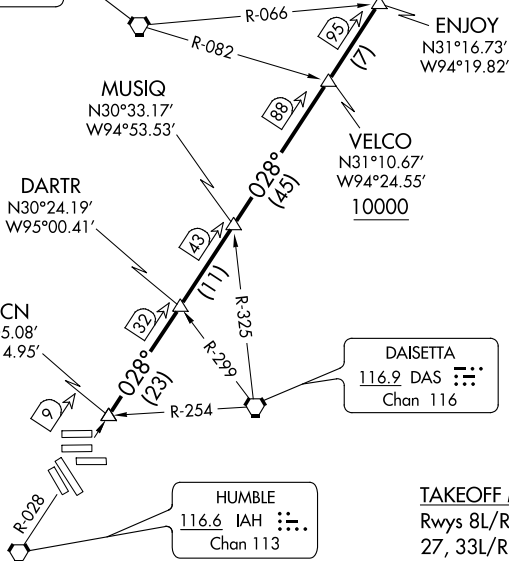
D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

**TOP ALTITUDE:
 16000**

EL DORADO
 115.5 ELD :...:
 Chan 102
 N33°15.37'-W92°44.64'
 L-17, H-6

NOTE: RADAR required.
 NOTE: For aircraft destined KMEM
 or filed via Q32 or J42.

LUFKIN
 112.1 LFK :...:
 Chan 58



DAISETTA
 116.9 DAS :...:
 Chan 116

TAKEOFF MINIMUMS
 Rwys 8L/R, 9, 15L/R, 26L/R,
 27, 33L/R: Standard.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to RAECN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . .

. . . on IAH R-028 and the ELD R-208 to ELD VOR/DME, cross VELCO INT at or above 10000.

(FLYZA5.FLYZA) 21112

FLYZA FIVE DEPARTURE (RNAV)

GEORGE BUSH INTCNL/HOUSTON (IAH)

AL-5461 (FAA)

HOUSTON, TEXAS

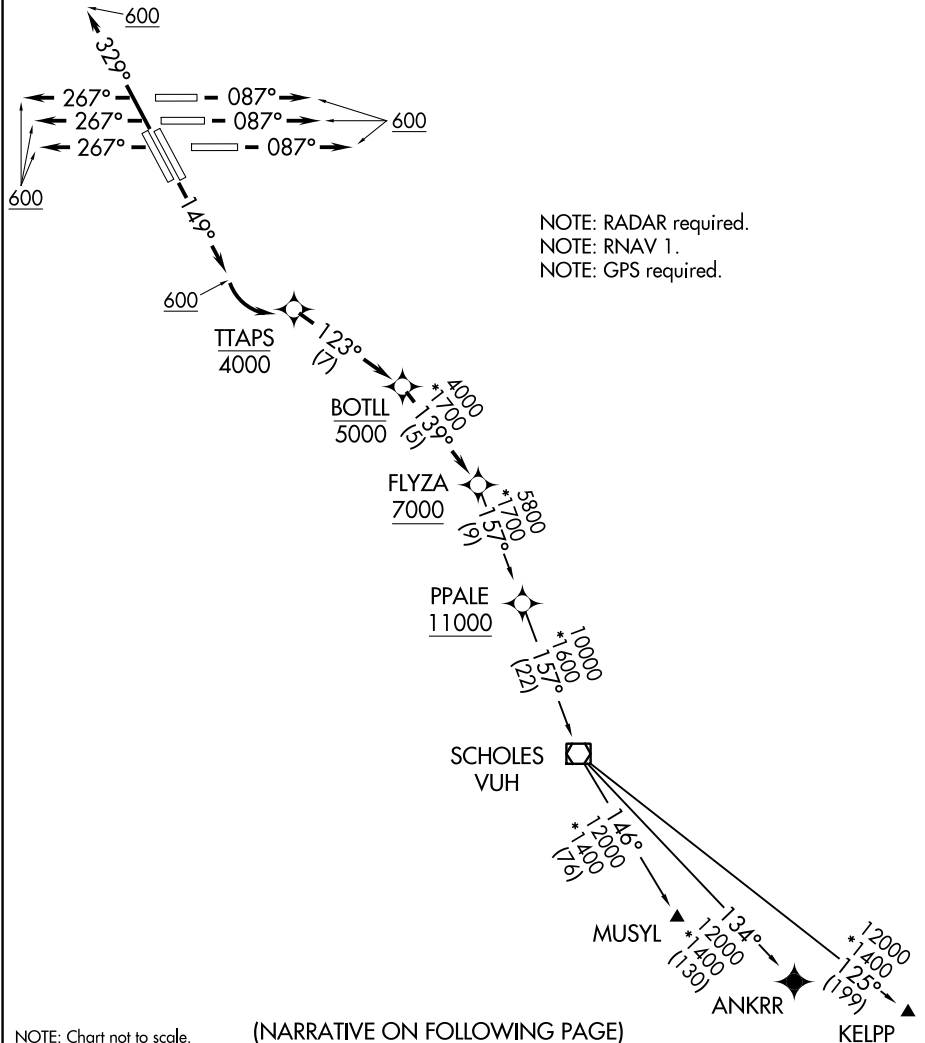
D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9, 27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L, 26R)
 125.35 290.2 (Rwys 8R, 26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9, 27)
 HOUSTON DEP CON
 127.125 269.075

**TOP ALTITUDE:
 16000**

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:

Standard with minimum climb of 500' per NM to 800.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

FLYZA FIVE DEPARTURE (RNAV)

(FLYZA5.FLYZA) 15SEP16

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 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, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence

. . . . on track 139° to cross FLYZA at or above 7000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

ANKRR TRANSITION (FLYZA5.ANKRR)

KELPP TRANSITION (FLYZA5.KELPP)

MUSYL TRANSITION (FLYZA5.MUSYL)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(GIFFA1.GIFFA) 21280

GIFFA ONE DEPARTURE

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)


HOUSTON, TEXAS

**TOP ALTITUDE:
16000**

CEDAR CREEK
114.8 CQY 
Chan 95

D-ATIS
124.05
CLNC DEL
128.1
CPDLC
GND CON
118.575 (Rwys 8L/R, 9, 26L/R, 27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER
120.725 290.2 (Rwys 8L/26R)
125.35 290.2 (Rwys 8R/26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9/27)
HOUSTON DEP CON
132.25 285.425

NOTE: RADAR required.
NOTE: For aircraft destined for the DFW terminal area only.

LEONA
110.8 LOA 
Chan 45


GIFFA
N31°22.89'
W95°15.10'
L-19-21, H-6
10000

R-059

R-121


BUMCO
N30°38.91'
W95°18.03'

MONNT
N30°28.65'
W95°18.70'
L19-21, H7

DAISETTA
116.9 DAS 
Chan 116

TAKEOFF MINIMUMS
Rwys 8L/R, 9, 15L/R, 26L/R, 27,
33L/R: Standard.



HUMBLE
116.6 IAH 
Chan 113

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to MONNT INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence . . .

. . . on IAH R-358 to cross GIFFA INT at or above 10000.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

GIFFA ONE DEPARTURE

(GIFFA1.GIFFA) 07OCT21

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

GUMBY THREE DEPARTURE (RNAV)
(GUMBY3;GUMBY) 10DEC15

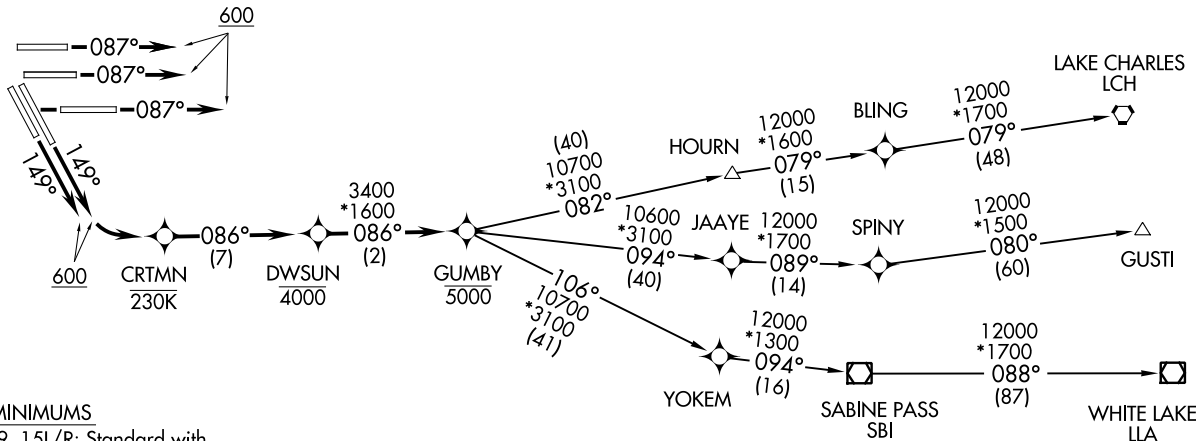
HOUSTON, TEXAS
GEORGE BUSH INTNTL/HOUSTON (IAH)

(GUMBY3;GUMBY) 21112
GUMBY THREE DEPARTURE (RNAV)

HOUSTON, TEXAS
GEORGE BUSH INTNTL/HOUSTON (IAH)
AL-5461 (FAA)

- D-ATIS 124.05
- CLNC DEL 128.1
- CPDLC
- GND CON
- 118.575 (Rwys 8L/R, 26L/R, 9, 27)
- 121.7 (Rwys 15L/R, 33L/R)
- HOUSTON TOWER
- 120.725 290.2 (Rwys 8L, 26R)
- 125.35 290.2 (Rwys 8R, 26L)
- 127.3 288.25 (Rwys 15L/R, 33L/R)
- 135.15 290.2 (Rwys 9, 27)
- HOUSTON DEP CON
- 127.125 269.075

TOP ALTITUDE:
16000



TAKEOFF MINIMUMS

Rwy 8L/R, 9, 15L/R: Standard with minimum climb of 500' per NM to 1700.

- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS Required.
- NOTE: RNAV 1.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to cross DWSUN at or below 4000, thence. . . .

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then left turn direct CRTMN, then on track 086° to cross DWSUN at or below 4000, thence. . . .

. . . .on track 086° to cross GUMBY at or below 5000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (GUMBY3.GUSTI)

LAKE CHARLES TRANSITION (GUMBY3.LCH)

WHITE LAKE TRANSITION (GUMBY3.LLA)

SC-5, 22 FEB 2024 to 21 MAR 2024

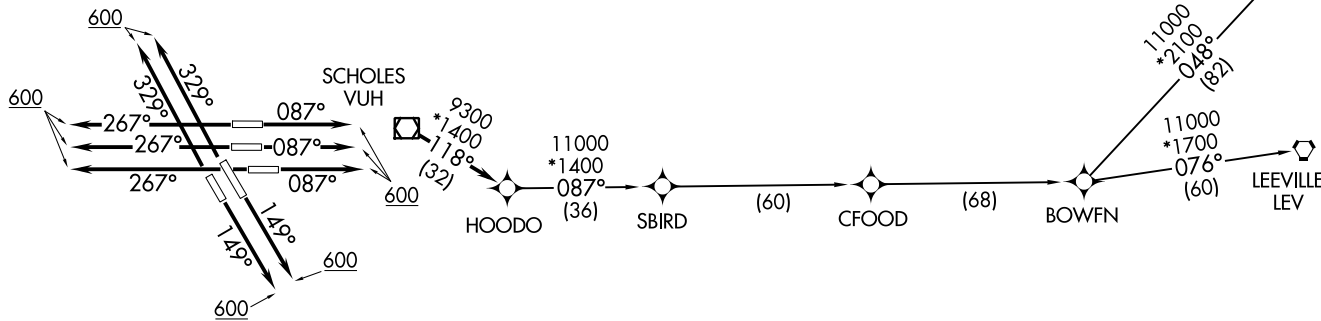
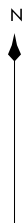
SC-5, 22 FEB 2024 to 21 MAR 2024

HOODO SEVEN DEPARTURE (RNAV)
 (HOODO07.HOODO) 07OCT21
 HOUSTON, TEXAS
 GEORGE BUSH INTCNL/HOUSTON (IAH)

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 9, 26L/R, 27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L, 26R)
 125.35 290.2 (Rwys 8R, 26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9, 27)
 HOUSTON DEP CON
 127.125 269.075

NOTE: RNAV 1.
 NOTE: RADAR required.
 NOTE: ATC assigned only.
 NOTE: DME/DME/IRU or GPS required.
 NOTE: For non-GPS equipped aircraft, LCH, LLA, TBD, and LEV DME's must be operational.

**TOP ALTITUDE:
 16000**



TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 600.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

(HOODO07.HOODO) 21280
 HOODO SEVEN DEPARTURE (RNAV)
 AL-5461 (FAA)
 HOUSTON, TEXAS
 GEORGE BUSH INTCNL/HOUSTON (IAH)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600, for RADAR vectors to VUH VOR/DME, thence

TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600, for RADAR vectors to VUH VOR/DME, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600, for RADAR vectors to VUH VOR/DME, thence

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600, for RADAR vectors to VUH VOR/DME, thence

. . . . on track 118° to HOODO, then on (transition). Maintain 16000.

Expect filed altitude 10 minutes after departure.

BOWFN TRANSITION (HOODO7.BOWFN)

CFOOD TRANSITION (HOODO7.CFOOD)

HARVEY TRANSITION (HOODO7.HRV)

LEEVILLE TRANSITION (HOODO7.LEV)

SBIRD TRANSITION (HOODO7.SBIRD)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(INDIE8.INDIE) 21280

AL-5461 (FAA)

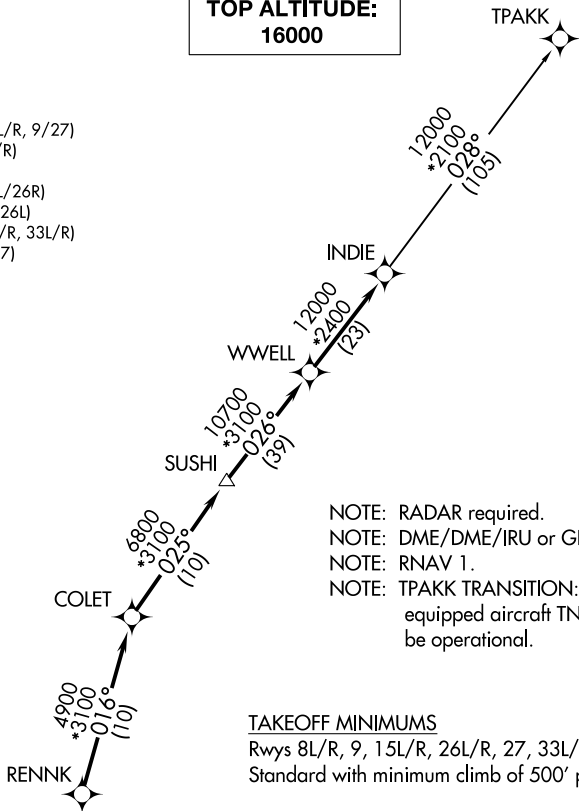
GEORGE BUSH INTCNL/HOUSTON (IAH)

INDIE EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

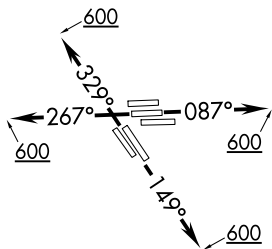
**TOP ALTITUDE:
 16000**



- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: TPAKK TRANSITION: For non GPS equipped aircraft TNV DME must be operational.

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 600.



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to RENNK, thence
TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to RENNK, thence
TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to RENNK, thence
TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to RENNK, thence
 on track 016° to COLET, then on track 025° to SUSHI, then on track 026° to WWELL, then on track 026° to INDIE, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

TPAKK TRANSITION (INDIE8.TPAKK)

INDIE EIGHT DEPARTURE (RNAV)

HOUSTON, TEXAS

(INDIE8.INDIE) 07OCT21

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

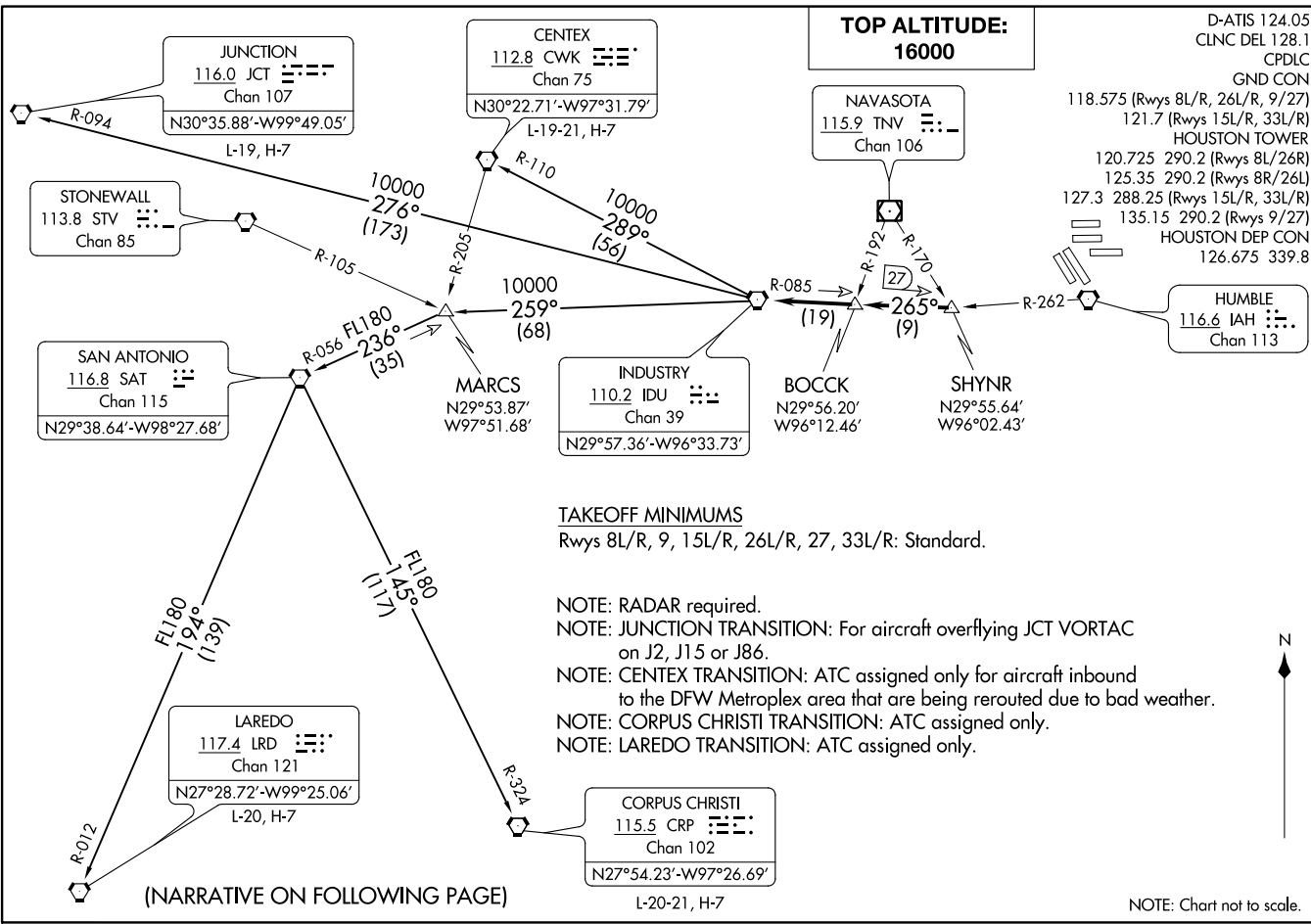
SC-5, 22 FEB 2024 to 21 MAR 2024

INDUSTRY ONE DEPARTURE
(IDU1, IDU) 07070CT1

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

(IDU1, IDU) 21280
INDUSTRY ONE DEPARTURE

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)
AL-5461 (FAA)



D-ATIS 124.05
 CLNC DEL 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26L)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 126.675 339.8

JUNCTION
 116.0 JCT
 Chan 107
 N30°35.88'-W99°49.05'
 L-19, H-7

CENTEX
 112.8 CWK
 Chan 75
 N30°22.71'-W97°31.79'
 L-19-21, H-7

NAVASOTA
 115.9 TNV
 Chan 106

STONEWALL
 113.8 STV
 Chan 85

SAN ANTONIO
 116.8 SAT
 Chan 115
 N29°38.64'-W98°27.68'

MARCS
 N29°53.87'
 W97°51.68'

INDUSTRY
 110.2 IDU
 Chan 39
 N29°57.36'-W96°33.73'

BOCKCK
 N29°56.20'
 W96°12.46'

SHYNR
 N29°55.64'
 W96°02.43'

HUMBLE
 116.6 IAH
 Chan 113

LAREDO
 117.4 LRD
 Chan 121
 N27°28.72'-W99°25.06'
 L-20, H-7

CORPUS CHRISTI
 115.5 CRP
 Chan 102
 N27°54.23'-W97°26.69'
 L-20-21, H-7



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to SHYNR INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence

. . . . on IDU R-085 to BOCK INT, then on IDU R-085 to IDU VORTAC.

CENTEX TRANSITION (IDU1.CWK): From over IDU VORTAC on IDU R-289 and CWK R-110 to CWK VORTAC.

CORPUS CHRISTI TRANSITION (IDU1.CRP): From over IDU VORTAC on IDU R-259 to MARCS INT, then on SAT R-056 to SAT VORTAC, then on SAT R-145 and CRP R-324 to CRP VORTAC.

JUNCTION TRANSITION (IDU1.JCT): From over IDU VORTAC on IDU R-276 and JCT R-094 to JCT VORTAC.

LAREDO TRANSITION (IDU1.LRD): From over IDU VORTAC on IDU R-259 to MARCS INT, then on SAT R-056 to SAT VORTAC, then on SAT R-194 and LRD R-012 to LRD VORTAC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(JCT1.JCT) 21112

GEORGE BUSH INTCNTL/HOUSTON (IAH)

JUNCTION ONE DEPARTURE

AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS 124.05
 CLNC DEL 128.1
 CPDLC
 HOUSTON DEP CON
 126.675 339.8
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)

**TOP ALTITUDE:
16000**

JUNCTION
 116.0 JCT
 Chan 107
 N30°35.88'
 W99°49.05'
 L-19, H-7

SPURS
 N30°24.32'
 W98°20.98'

PUFER
 N30°13.44'
 W97°04.53'

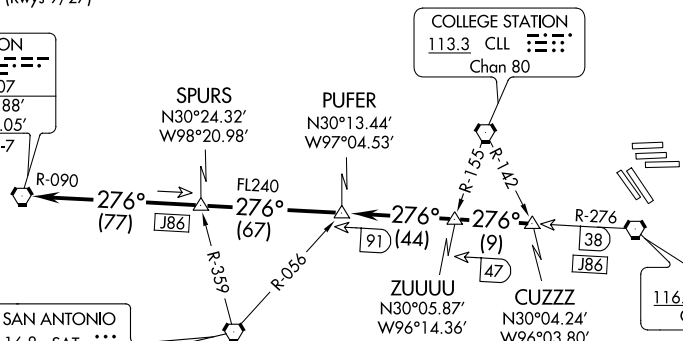
COLLEGE STATION
 113.3 CLL
 Chan 80

SAN ANTONIO
 116.8 SAT
 Chan 115

ZUUUU
 N30°05.87'
 W96°14.36'

CUZZZ
 N30°04.24'
 W96°03.80'

HUMBLE
 116.6 IAH
 Chan 113



NOTE: RADAR required.
 NOTE: For aircraft overflying JCT VORTAC
 on J86 filing FL240 or above.

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to CUZZZ INT.
 Maintain 16000. Expect filed altitude 10 minutes after departure. Thence

. . . . on IAH R-276 and JCT R-090 to JCT VORTAC.

JUNCTION ONE DEPARTURE

(JCT1.JCT) 22JUN17

HOUSTON, TEXAS

GEORGE BUSH INTCNTL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(LCH5.LCH) 21112

GEORGE BUSH INTCNTL/HOUSTON (IAH)

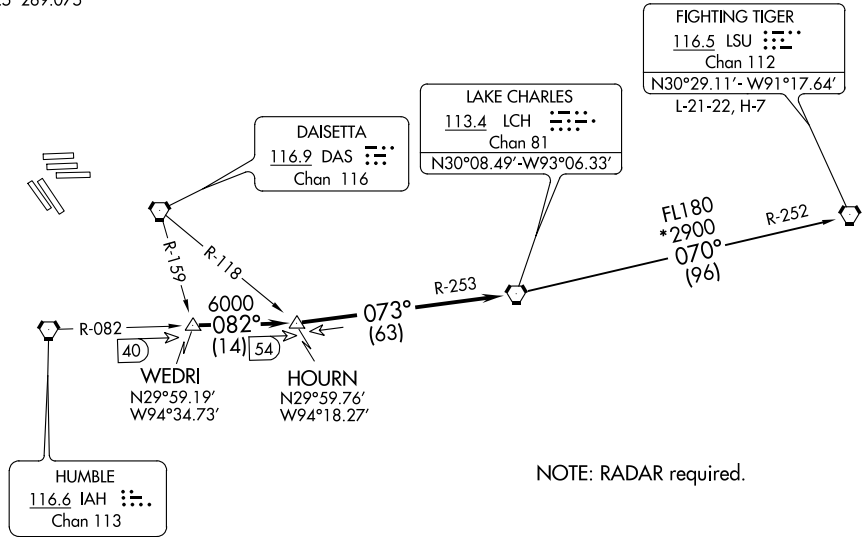
LAKE CHARLES FIVE DEPARTURE

AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS 124.05
 CLNC DEL 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 127.125 269.075

TOP ALTITUDE:
16000



NOTE: RADAR required.

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R,
 27, 33L/R Standard.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

Climb on assigned heading for RADAR vectors to WEDRI INT, maintain 16000.
 Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-082 to HOURN INT, then on LCH R-253 to LCH VORTAC.

FIGHTING TIGERS TRANSITION (LCH5.LSU): From over LCH VORTAC on LCH R-070 and LSU R-252 to LSU VORTAC.

LAKE CHARLES FIVE DEPARTURE

(LCH5.LCH) 22JUN17

HOUSTON, TEXAS

GEORGE BUSH INTCNTL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

LEONA FOUR DEPARTURE

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON, TEXAS

**TOP ALTITUDE:
16000**

D-ATIS
124.05
CLNC DEL
128.1
CPDLC
HOUSTON DEP CON
132.25 285.425
GND CON
118.575 (Rwys 8L/R, 26L/R, 9/27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER
120.725 290.2 (Rwys 8L/26R)
125.35 290.2 (Rwys 8R/26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9/27)

ARDMORE
116.7 ADM
Chan 114
N34°12.69' - W97°10.10'
L-17, H-6

TULSA
114.4 TUL
Chan 91
N36°11.78' - W95°47.29'

BONHAM
114.6 BYP
Chan 93
N33°32.25' - W96°14.05'
L-17, H-6

RANGER
115.7 FUZ
Chan 104
N32°53.37' - W97°10.77'
L-17, H-6

CEDAR CREEK
114.8 CQY
Chan 95
N32°11.14' - W96°13.09'

DOLEY
N32°11.35'
W96°23.08'

WACO
115.3 ACT
Chan 100
N31°39.74' - W97°16.14'

LEONA
110.8 LOA
Chan 45
N31°07.44' - W95°58.08'

NAVASOTA
115.9 TNV
Chan 106

WLLIS
N30°32.08'
W95°39.10'

HUMBLE
116.6 IAH
Chan 113

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: RADAR required.

NOTE: Except for aircraft destined ACT or the DFW terminal area, all aircraft filing the LEONA SID must file one of the published transitions via FUZ (LOA4.FUZ), ADM (LOA4.ADM), or BYP (LOA4.BYP).

NOTE: RANGER TRANSITION: For aircraft overflying west/northwest of the DFW terminal area FL240 and above.

NOTE: RANGER TRANSITION: For aircraft overflying north/northwest of the DFW terminal area FL240 and above.

NOTE: BONHAM TRANSITION: For aircraft overflying/landing TUL VORTAC FL240 and above.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

LEONA FOUR DEPARTURE

(LOA4.LOA) 07OCT21

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

LEONA FOUR DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to WLLIS INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence

. . . . on LOA R-147 to LOA VORTAC.

ARDMORE TRANSITION (LOA4.ADM): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on ADM R-156 to ADM VORTAC.

BONHAM TRANSITION (LOA4.BYP): From over LOA VORTAC on LOA R-341 and CQY R-163 to CQY VORTAC, then on BYP R-173 to BYP VORTAC.

RANGER TRANSITION (LOA4.FUZ): From over LOA VORTAC on LOA R-334 to DOLEY INT, then on FUZ R-130 to FUZ VORTAC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(LFK3.LFK) 21280

LUFKIN THREE DEPARTURE

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

D-ATIS
124.05
CLNC DEL
128.1
CPDLC
GND CON
118.575 (Rwys 8L/R, 26L/R, 9/27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER
120.725 290.2 (Rwys 8L/26R)
125.35 290.2 (Rwys 8R/26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9/27)
HOUSTON DEP CON
132.25 285.425

**TOP ALTITUDE:
16000**

LITTLE ROCK
113.9 LIT
Chan 86
N34°40.66'
W92°10.83'
L-18, H-6

NOTE: RADAR and DME required.
NOTE: For aircraft destined LIT or overflying LIT or PXV.

LUFKIN
112.1 LFK
Chan 58
N31°09.75'
W94°43.01'

SUSHI
N30°35.48'
W95°04.39'

COLET
N30°26.96'
W95°09.66'

KYANN
N30°15.53'
W95°13.96'

HUMBLE
116.6 IAH
Chan 113

DAISETTA
116.9 DAS
Chan 116

TAKEOFF MINIMUMS:

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R: Standard.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(LFK3.LFK) 21280

LUFKIN THREE DEPARTURE

AL-5461 (FAA)

GEORGE BUSH INTCNTL/HOUSTON (IAH)
HOUSTON, TEXAS



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to KYANN INT, maintain 16000. Expect filed altitude 10 minutes after departure, thence. . . .

. . . .on IAH R-013 to COLET INT, then right turn on LFK R-203 to LFK VORTAC.

LITTLE ROCK TRANSITION (LFK3.LIT): From over LFK VORTAC on LFK R-026 to SKKIP INT, then on LFK R-026 and LIT R-207 to LIT VORTAC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

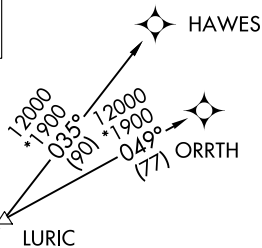
LUFKIN THREE DEPARTURE

(LFK3.LFK) 07OCT21

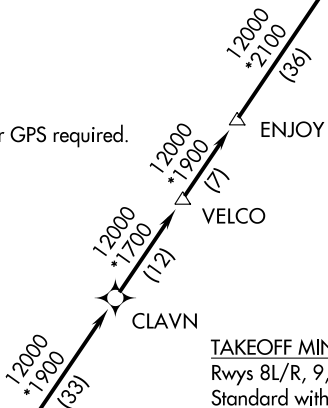
HOUSTON, TEXAS
GEORGE BUSH INTCNTL/HOUSTON (IAH)

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

**TOP ALTITUDE:
 16000**



NOTE: RADAR required.
 NOTE: DME/DME/IRU or GPS required.
 NOTE: RNAV 1.



TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 600.



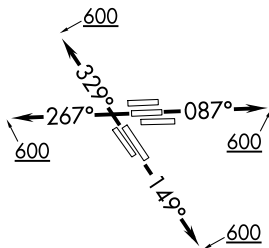
DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to KNTKY, thence . . .
TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to KNTKY, thence . . .
TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to KNTKY, thence . . .
TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to KNTKY, thence . . .

. . . on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 031° to VELCO, then on track 031° to ENJOY, then on track 031° to LURIC, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

HAWES TRANSITION (LURIC8.HAWES)

ORRTH TRANSITION (LURIC8.ORRTH)



NOTE: Chart not to scale.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

MMUGS FOUR DEPARTURE (RNAV)
(MMUGS4.MMUGS) 10 DEC 15
HOUSTON, TEXAS
GEORGE BUSH INTL/NL/HOUSTON (IAH)

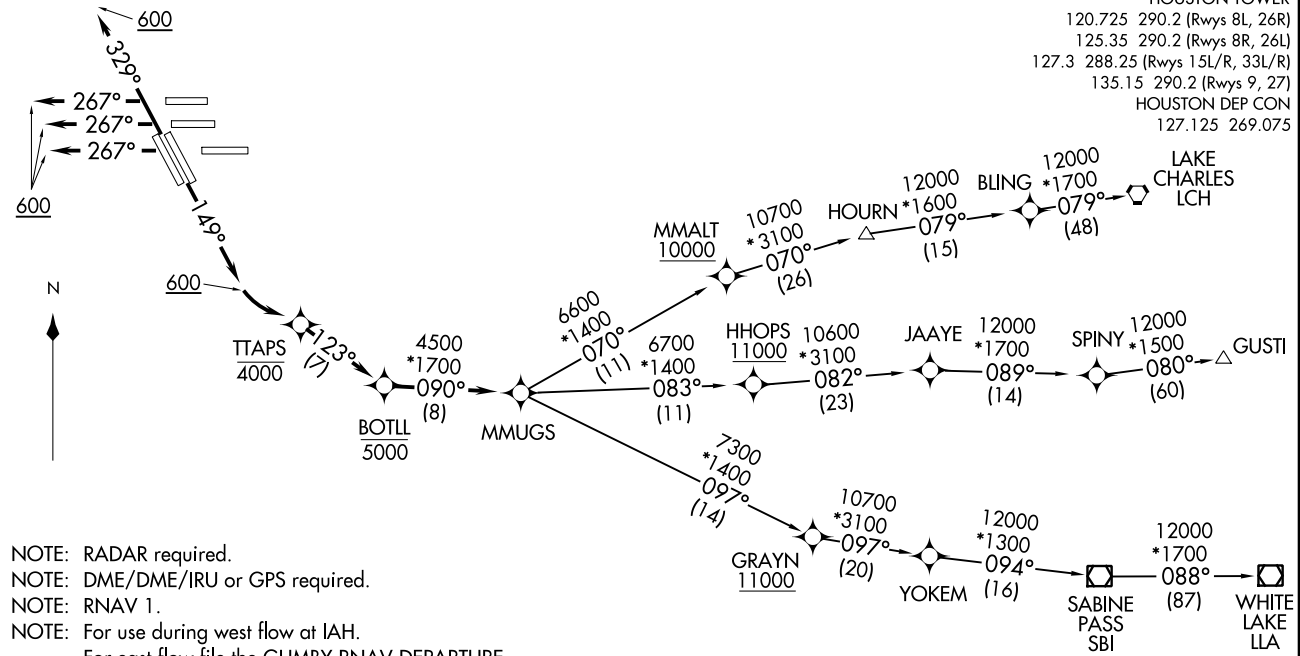
(MMUGS4.MMUGS) 21112
MMUGS FOUR DEPARTURE (RNAV)
AL-5461 (FAA)
HOUSTON, TEXAS
GEORGE BUSH INTL/NL/HOUSTON (IAH)

**TOP ALTITUDE:
16000**

TAKEOFF MINIMUMS

Rwys 15L/R, 26L/R, 27, 33L/R: Standard
with minimum climb of 500' per NM to 800.

D-ATIS 124.05
CLNC DEL 128.1
CPDLC
GND CON 118.575 (Rwys 8L/R, 26L/R, 9, 27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER 120.725 290.2 (Rwys 8L, 26R)
125.35 290.2 (Rwys 8R, 26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9, 27)
HOUSTON DEP CON 127.125 269.075



- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: For use during west flow at IAH.
For east flow file the GUMBY RNAV DEPARTURE.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 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, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb heading 267° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 33L/R: Climb heading 329° to 600, expect RADAR vectors to cross BOTLL at or below 5000, thence

. . . . on track 090° to MMUGS, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

GUSTI TRANSITION (MMUGS4.GUSTI)

LAKE CHARLES TRANSITION (MMUGS4.LCH)

WHITE LAKE TRANSITION (MMUGS4.LLA)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

RADAR and DME required.

TOP ALTITUDE:
16000

TAKEOFF MINIMUMS

Rwys 8L/R, 9, 27, 15L/R, 26L/R, 33L/R: Standard.



PALACIOS THREE DEPARTURE
 (PSX3.PSX) 03NOV22
 HOUSTON, TEXAS
 GEORGE BUSH INTCNL/HOUSTON (IAH)

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 127.125 269.075

FORT STOCKTON
 116.9 FST
 Chan 116
 N30°57.13'
 W102°58.54'
 L-19, H-6

SAN ANTONIO
 116.8 SAT
 Chan 115
 N29°38.64'-W98°27.68'
 L-19, H-7

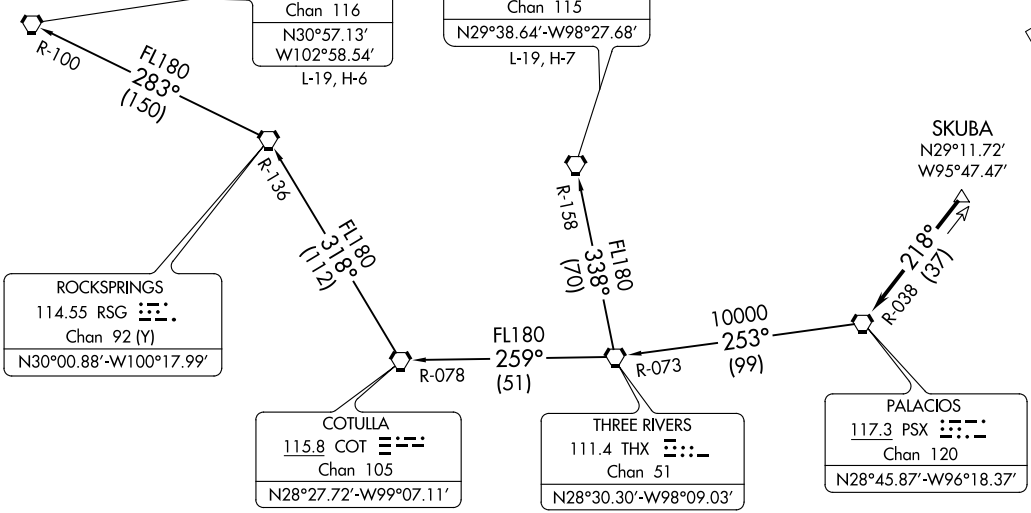
SKUBA
 N29°11.72'
 W95°47.47'

ROCKSPRINGS
 114.55 RSG
 Chan 92 (Y)
 N30°00.88'-W100°17.99'

COTULLA
 115.8 COT
 Chan 105
 N28°27.72'-W99°07.11'

THREE RIVERS
 111.4 THX
 Chan 51
 N28°30.30'-W98°09.03'

PALACIOS
 117.3 PSX
 Chan 120
 N28°45.87'-W96°18.37'



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

(PSX3.PSX) 22307
 PALACIOS THREE DEPARTURE
 AL-5461 (FAA)
 GEORGE BUSH INTCNL/HOUSTON (IAH)
 HOUSTON, TEXAS

PALACIOS THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF ALL RUNWAYS: Climb on assigned heading for RADAR vectors to SKUBA, maintain 16000.

Expect filed altitude 10 minutes after departure, thence

. . . . on PSX R-038 to PSX VORTAC.

FORT STOCKTON TRANSITION (PSX3.FST): From over PSX VORTAC on PSX R-253 and THX R-073 to THX VORTAC, then on THX R-259 and COT R-078 to COT VORTAC, then on COT R-318 and RSG R-136 to RSG VORTAC, then on RSG R-283 and FST R-100 to FST VORTAC.

SAN ANTONIO TRANSITION (PSX3.SAT): From over PSX VORTAC on PSX R-253 and THX R-073 to THX VORTAC, then on SAT R-158 to SAT VORTAC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

PITZZ FOUR DEPARTURE (RNAV)
(PITZZ4.PITZZ) 10DECI5

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

D-ATIS
124.05
CLNC DEL
128.1
CPDLC
GND CON
118.575 (Rwys 8L/R, 26L/R, 9/27)
121.7 (Rwys 15L/R, 33L/R)
HOUSTON TOWER
120.725 290.2 (Rwys 8L/26R)
125.35 290.2 (Rwys 8R/26L)
127.3 288.25 (Rwys 15L/R, 33L/R)
135.15 290.2 (Rwys 9/27)
HOUSTON DEP CON
126.675 339.8

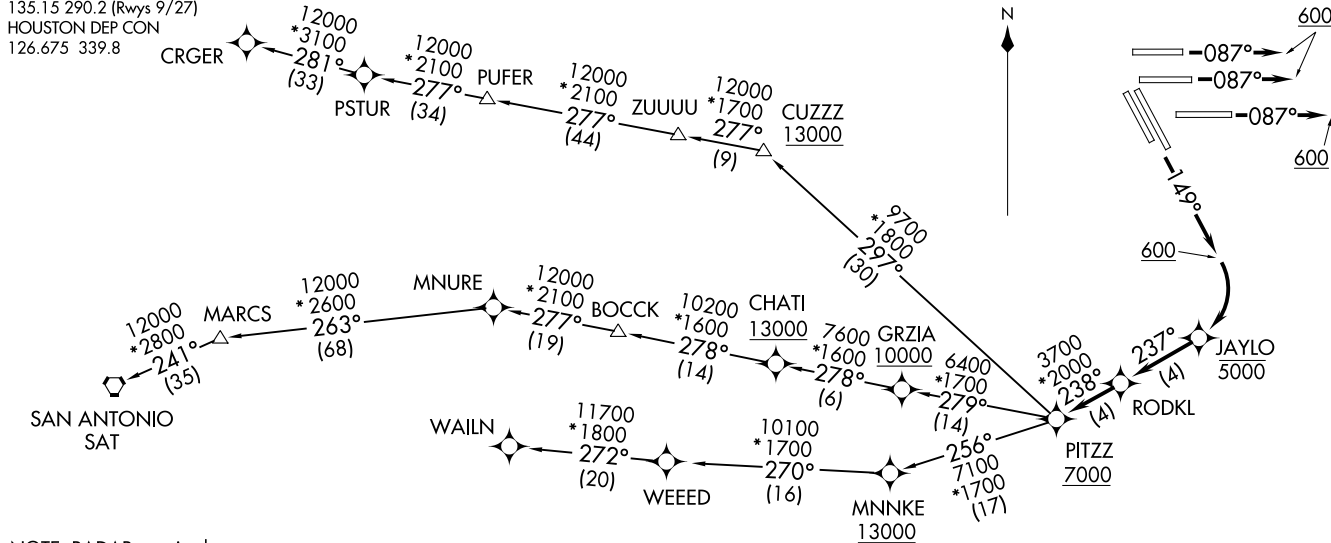
TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R: Standard with minimum climb of 500' per NM to 1500.

TOP ALTITUDE:
16000

(PITZZ4.PITZZ) 21112
PITZZ FOUR DEPARTURE (RNAV)

GEORGE BUSH INTCNL/HOUSTON (IAH)
AL-5461 (FAA)
HOUSTON, TEXAS



NOTE: RADAR required.
NOTE: DME/DME/IRU or GPS required.
NOTE: RNAV 1.
NOTE: For use during east flow at IAH.
For west flow file the BNDTO RNAV departure.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb heading 087° to 600, expect RADAR vectors to RODKL, thence. . . .

TAKEOFF RUNWAYS 15L/R: Climb heading 149° to 600, then right turn direct to cross JAYLO at or below 5000, then on track 237° to RODKL, thence. . . .

. . . .on track 238° to cross PITZZ at or above 7000, then on (transition).
Maintain 16000. Expect filed altitude 10 minutes after departure.

CRGER TRANSITION (PITZZ4.CRGER)

MNURE TRANSITION (PITZZ4.MNURE)

SAN ANTONIO TRANSITION (PITZZ4.SAT)

WALIN TRANSITION (PITZZ4.WALIN)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

RITAA SEVEN DEPARTURE (RNAV)

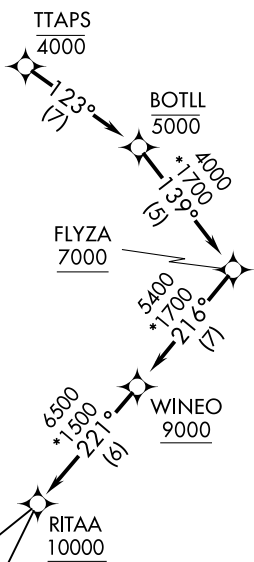
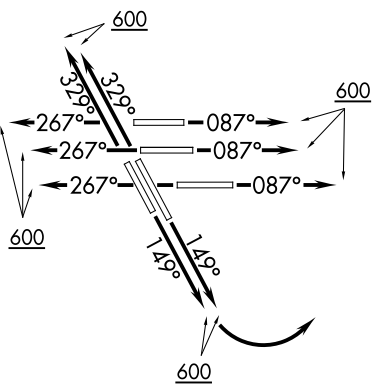
AL-5461 (FAA)

HOUSTON, TEXAS

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9, 27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L, 26R)
 125.35 290.2 (Rwys 8R, 26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9, 27)
 HOUSTON DEP CON
 127.125 269.075

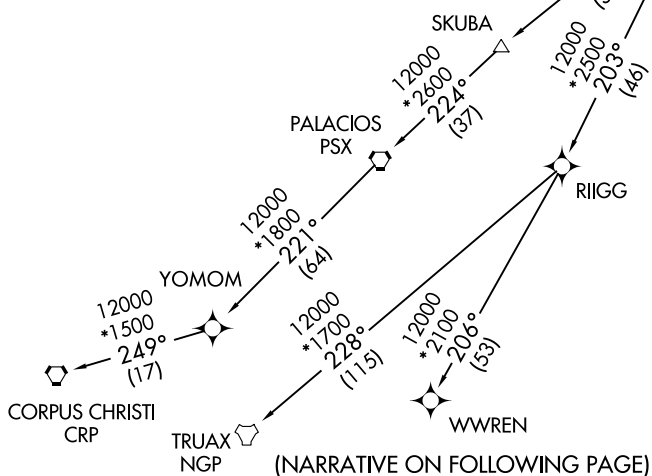
RNAV - 1 DME/DME/IRU or GPS.
 RADAR required.

**TOP ALTITUDE:
 16000**



TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 800.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600, then left turn direct to cross TTAPS at or below 4000, then on track 123° to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence

TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600, for RADAR vectors to cross BOTLL at or below 5000, thence

. . . . on track 139° to cross FLYZA at or above 7000, then on track 216° to cross WINEO at or above 9000, then on track 221° to cross RITAA at or above 10000, then on (transition). Maintain 16000. Expect filed altitude 10 minutes after departure.

CORPUS CHRISTI TRANSITION (RITAA7.CRP)

PALACIOS TRANSITION (RITAA7.PSX)

TRUAX TRANSITION (RITAA7.NGP)

WWREN TRANSITION (RITAA7.WWREN)

YOMOM TRANSITION (RITAA7.YOMOM)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

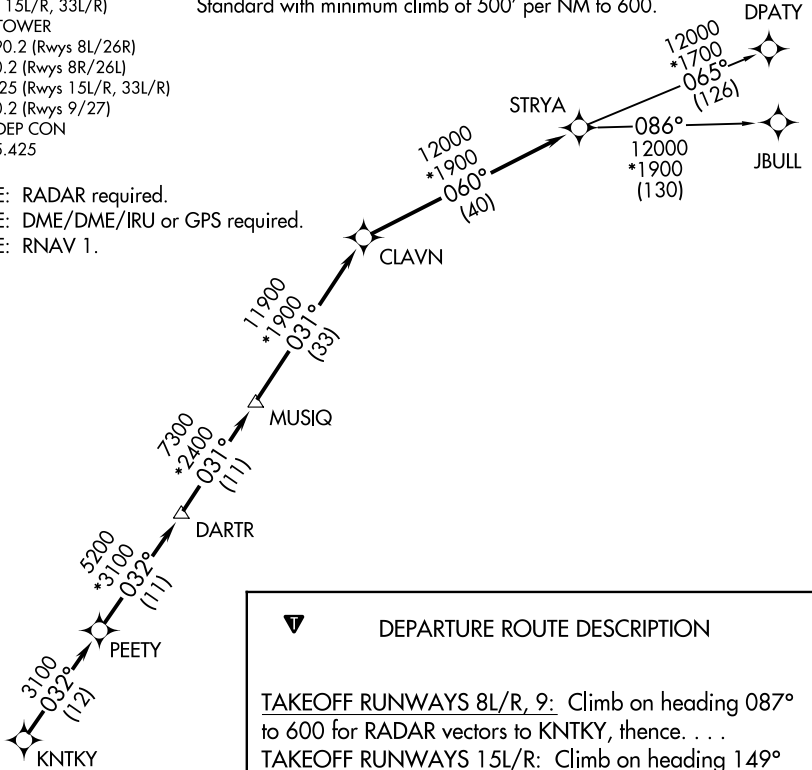
TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:

Standard with minimum climb of 500' per NM to 600.

**TOP ALTITUDE:
 16000**

- NOTE: RADAR required.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.

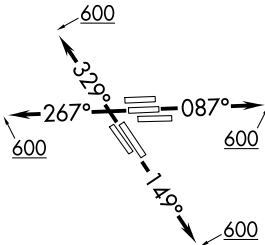


DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to KNTKY, thence. . . .
TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to KNTKY, thence. . . .
TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to KNTKY, thence. . . .
TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to KNTKY, thence. . . .

. . . .on track 032° to PEETY, then on track 032° to DARTR, then on track 031° to MUSIQ, then on track 031° to CLAVN, then on track 060° to STRYA, then on (transition). Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

DPATY TRANSITION (STRYA8.DPATY)
JBULL TRANSITION (STRYA8.JBULL)



NOTE: Chart not to scale.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

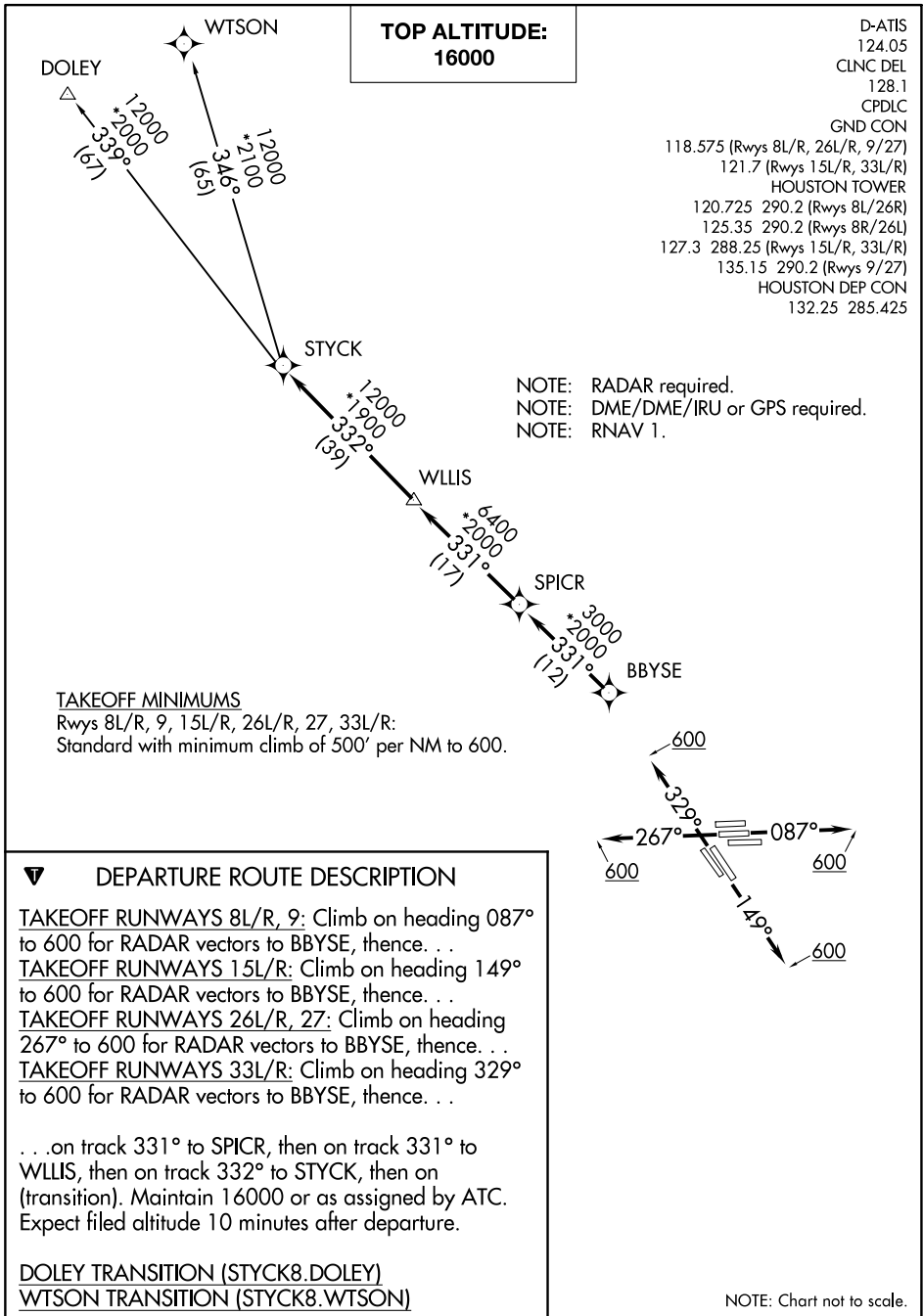
(STYCK8.STYCK) 21280

STYCK EIGHT DEPARTURE (RNAV)

GEORGE BUSH INTCNL/HOUSTON (IAH)

AL-5461 (FAA)

HOUSTON, TEXAS



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

STYCK EIGHT DEPARTURE (RNAV)

(STYCK8.STYCK) 07OCT21

HOUSTON, TEXAS

GEORGE BUSH INTCNL/HOUSTON (IAH)

D-ATIS
 124.05
 CLNC DEL
 128.1
 CPDLC
 GND CON
 118.575 (Rwys 8L/R, 26L/R, 9/27)
 121.7 (Rwys 15L/R, 33L/R)
 HOUSTON TOWER
 120.725 290.2 (Rwys 8L/26R)
 125.35 290.2 (Rwys 8R/26L)
 127.3 288.25 (Rwys 15L/R, 33L/R)
 135.15 290.2 (Rwys 9/27)
 HOUSTON DEP CON
 132.25 285.425

**TOP ALTITUDE:
 16000**

NOTE: RADAR required.
 NOTE: DME/DME/IRU or GPS required.
 NOTE: RNAV 1.

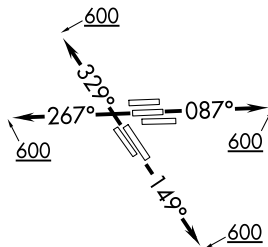
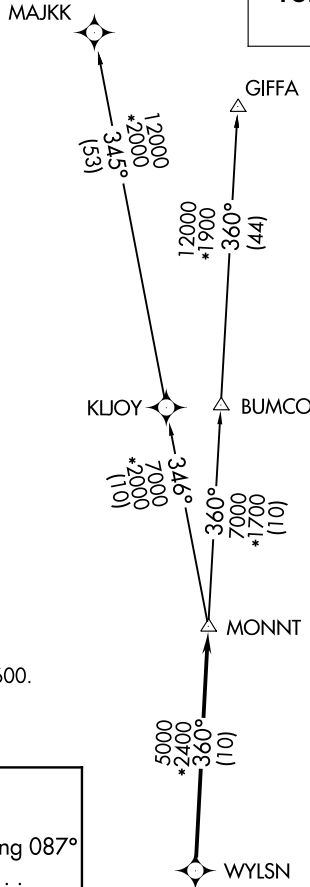
TAKEOFF MINIMUMS

Rwys 8L/R, 9, 15L/R, 26L/R, 27, 33L/R:
 Standard with minimum climb of 500' per NM to 600.

▼ DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAYS 8L/R, 9: Climb on heading 087° to 600 for RADAR vectors to WYLSN, then...
TAKEOFF RUNWAYS 15L/R: Climb on heading 149° to 600 for RADAR vectors to WYLSN, then...
TAKEOFF RUNWAYS 26L/R, 27: Climb on heading 267° to 600 for RADAR vectors to WYLSN, then...
TAKEOFF RUNWAYS 33L/R: Climb on heading 329° to 600 for RADAR vectors to WYLSN, then...
 ...on track 360° to MONNT, then on (transition).
 Maintain 16000 or as assigned by ATC. Expect filed altitude 10 minutes after departure.

GIFFA TRANSITION (WYLSN8.GIFFA)
MAJKK TRANSITION (WYLSN8.MAJKK)



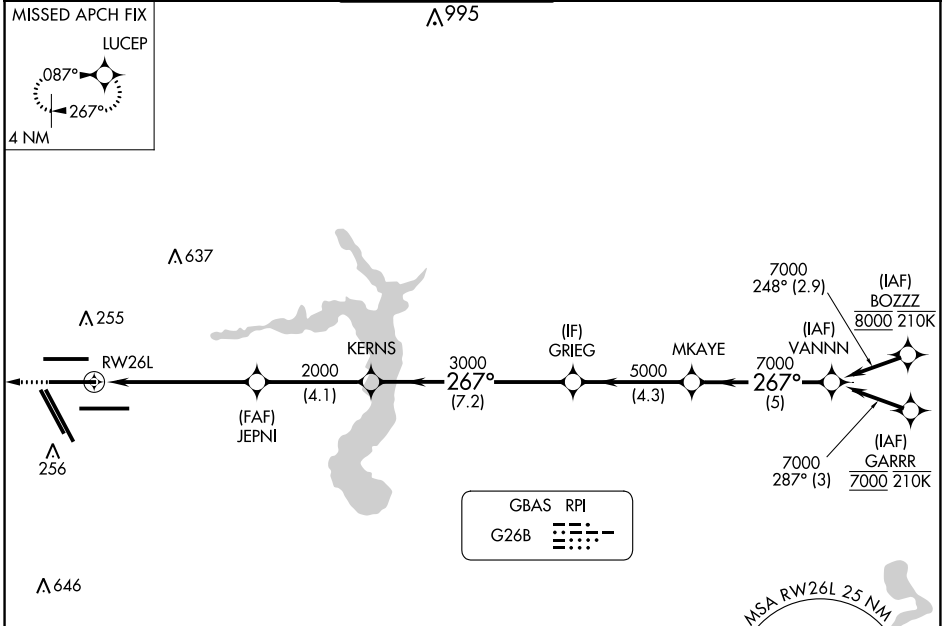
NOTE: Chart not to scale.

GBAS CH 20662 G26B	APP CRS 267°	Rwy Idg TDZE 95 Apt Elev 96	9402
--	------------------------	---	-------------

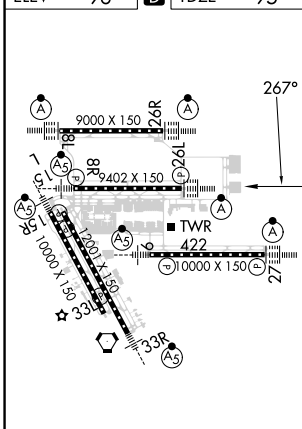
GLS RWY 26L

GEORGE BUSH INTCNL/HOUSTON (IAH)

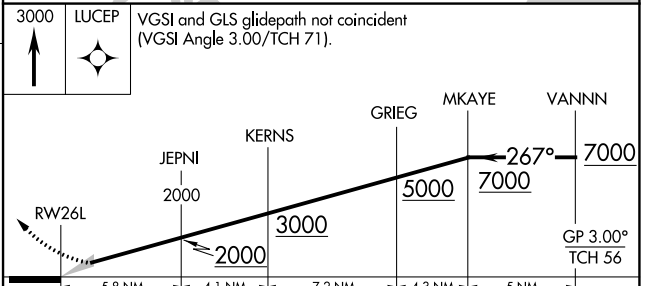
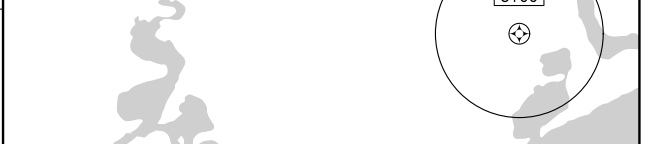
RNP APCH - GPS.		ALSF-2		MISSED APPROACH: Climb to 3000 direct LUCEP and hold.	
<p>Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.</p> <p>NA</p>					
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC



ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



CATEGORY	A	B	C	D
GLS	DA	295/18		200 (200-1/2)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

HOUSTON, TEXAS

AL-5461 (FAA)

23110

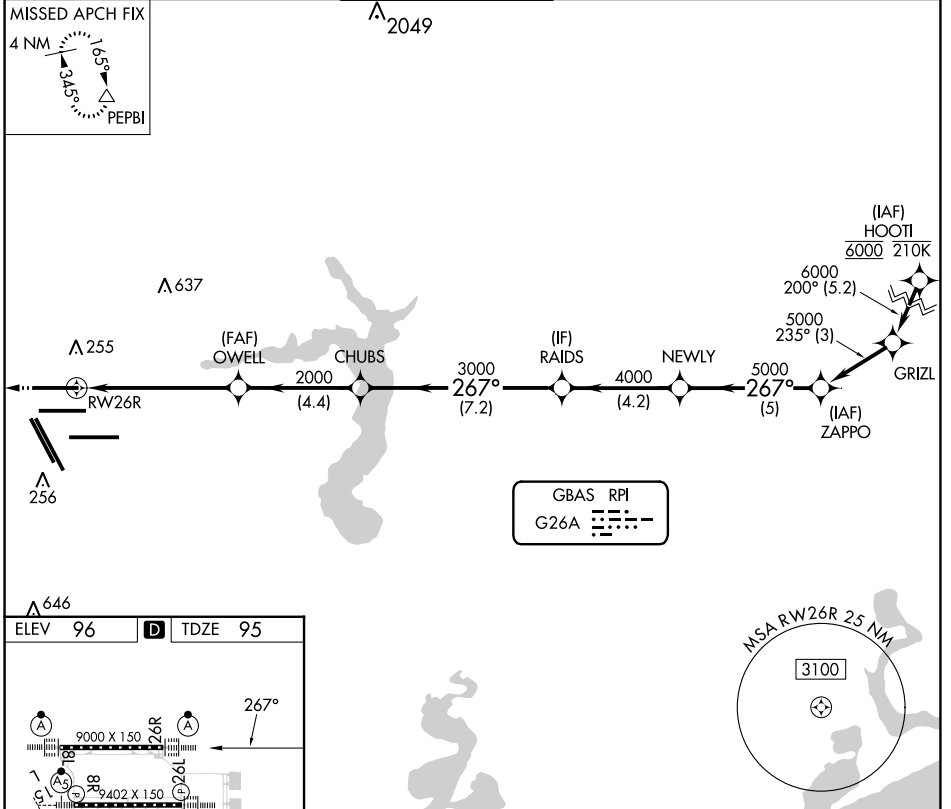
GBAS CH 21484 G26A	APP CRS 267°	Rwy Idg TDZE Apt Elev	9000 95 96
--	------------------------	-----------------------------	---------------------------------------

GLS RWY 26R

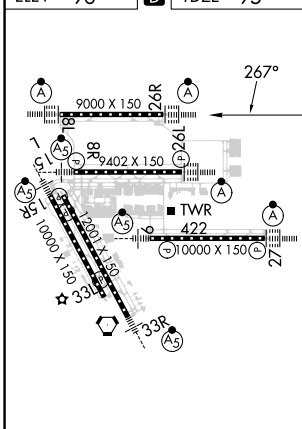
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSIF-2	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.		
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.					

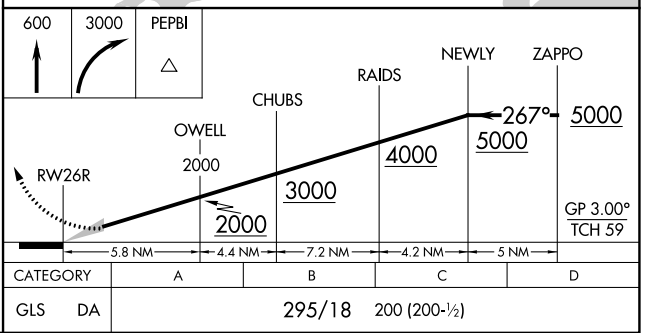
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118,575	CLNC DEL 128.1	CPDLC
-------------------------	--	---------------------------------------	---------------------------	--------------------------	-------



ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



HOUSTON, TEXAS
Amdt 2A 20APR23

29°59'N-95°20'W

GLS RWY 26R

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

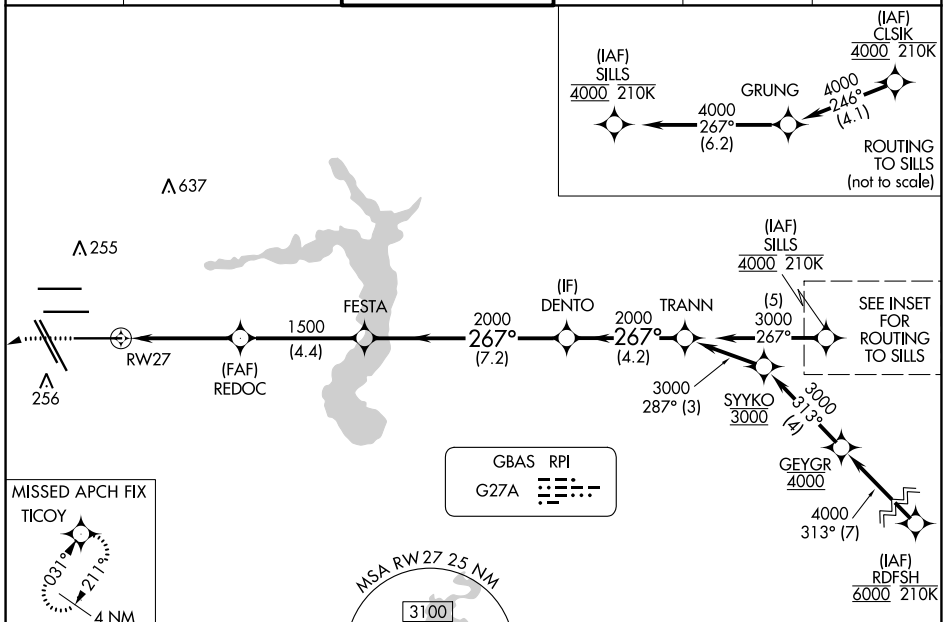
GBAS CH 22306 G27A	APP CRS 267°	Rwy Idg TDZE Apt Elev	10000 86 96
--	------------------------	-----------------------------	--

GLS RWY 27

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		ALSF-2 	MISSED APPROACH: Climb to 560 then climbing left turn to 3100 direct TICOY and hold.
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 286.			

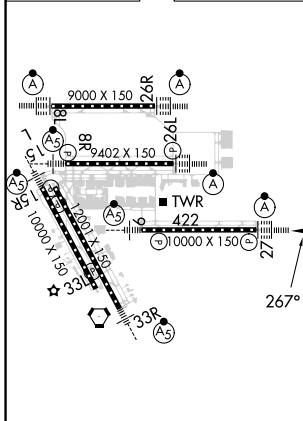
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



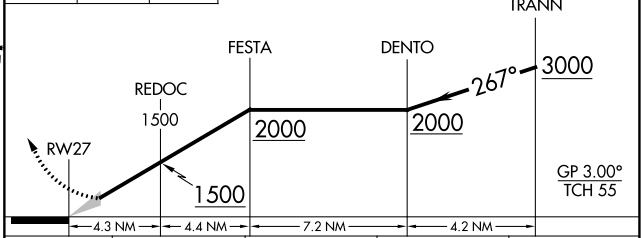
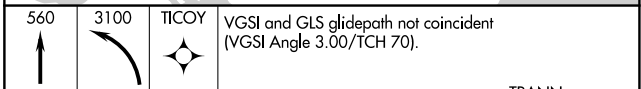
SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

ELEV 96	D	TDZE 86
---------	----------	---------



TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



CATEGORY	A	B	C	D
GLS DA	286/18 200 (200-1/2)			

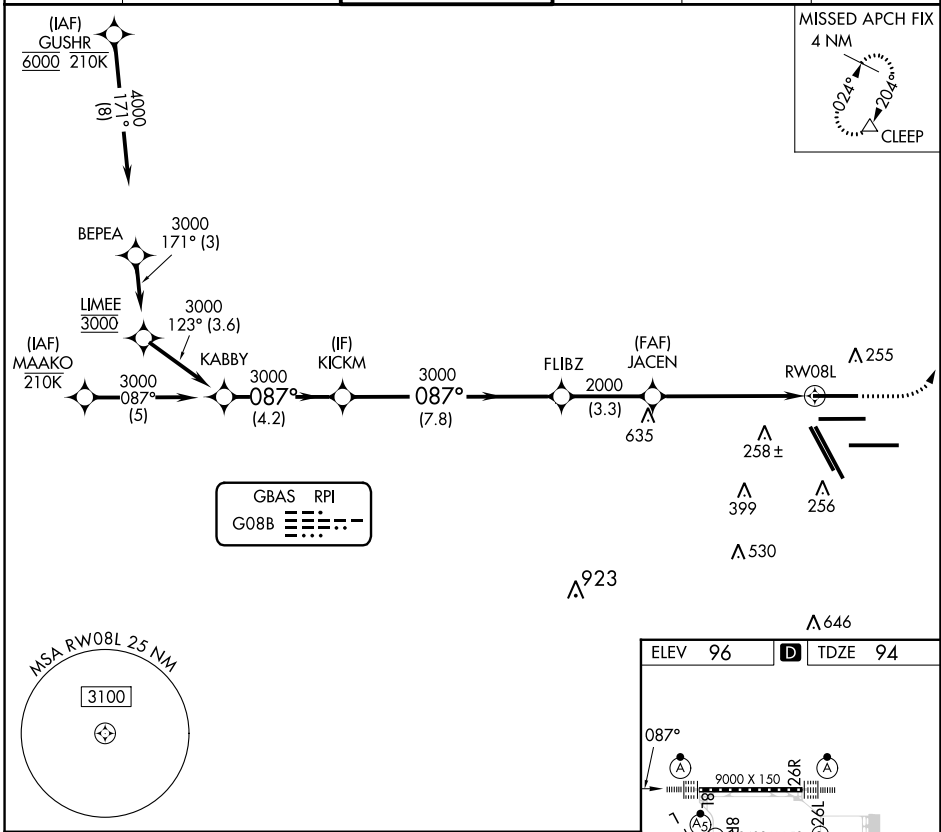
GBAS CH 21073 G08B	APP CRS 087°	Rwy Idg TDZE Apt Elev	9000 94 96
--	------------------------	-----------------------------	---------------------------------------

GLS RWY 8L

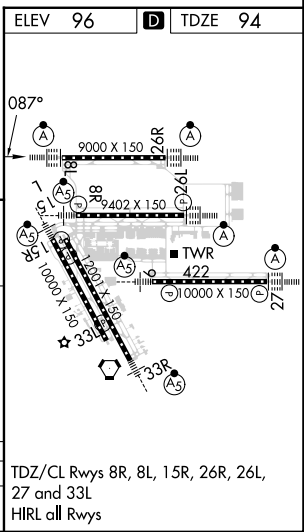
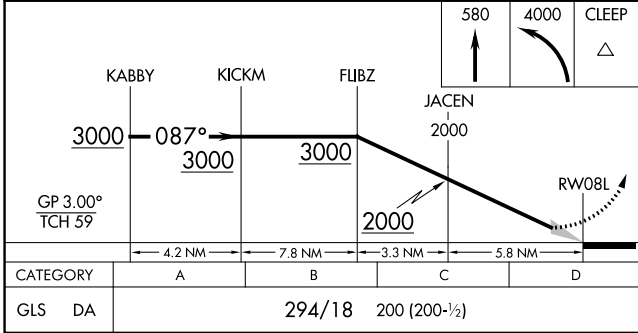
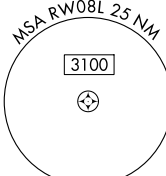
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPs.	ALSF-2	MISSED APPROACH: Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.
▼ Use of FD or AP required during simultaneous operations. Autopilot coupled ▲ NA approach NA below 294. Simultaneous approach authorized.		

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	---------------------------------------	---------------------------	--------------------------	-------



GBAS RPI
G08B



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

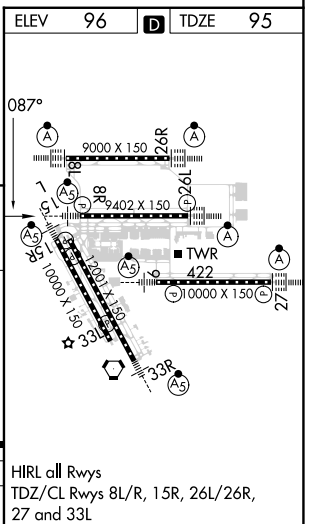
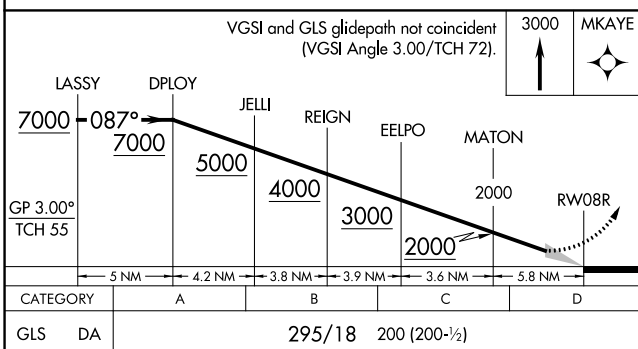
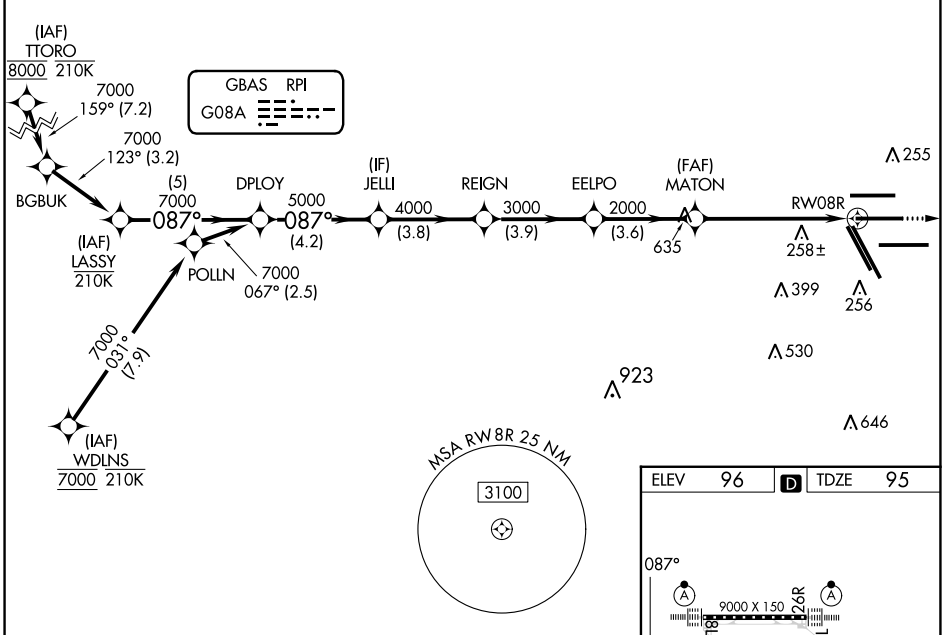
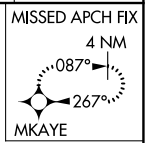
GBAS CH 20251 G08A	APP CRS 087°	Rwy Idg TDZE Apt Elev	9402 95 96
--	------------------------	-----------------------------	---------------------------------------

GLS RWY 8R

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		MALS R	MISSED APPROACH: Climb to 3000 direct MKAYE and hold.		
<p>Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 295.</p>					

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

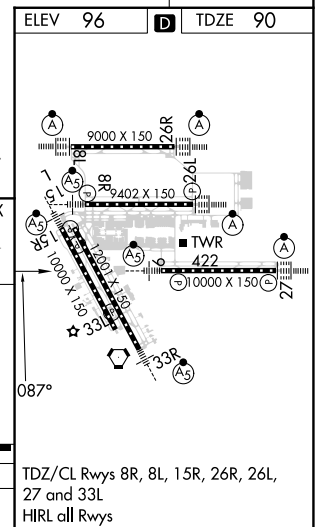
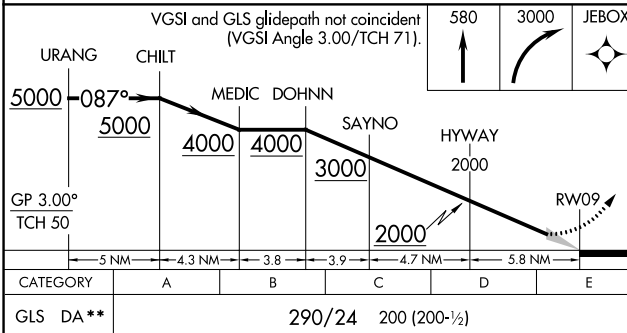
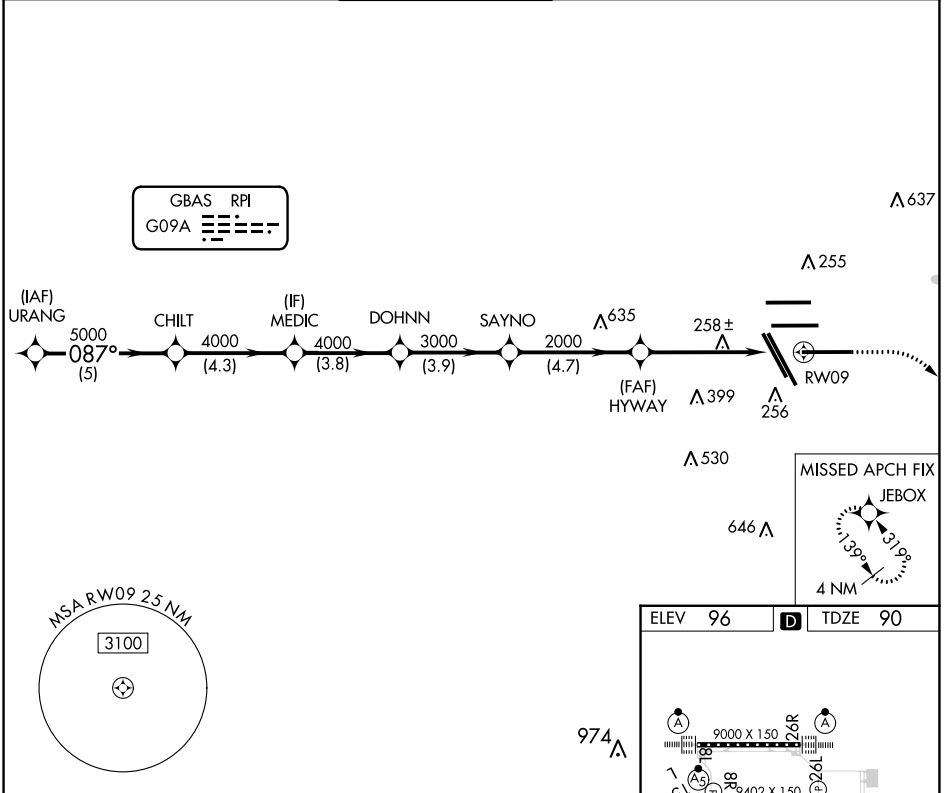
GBAS	APP CRS	Rwy Idg	10000
CH 21895	087°	TDZE	90
RPI G09A		Apt Elev	96

GLS RWY 9

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH - GPS.		MALSR	MISSED APPROACH: Climb to 580 then climbing right turn to 3000 direct JEBOX and hold.
<p>Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Autopilot coupled approach NA below 290. ** RVR 1800 authorized with use of FD or AP or HUD to DA.</p>			

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

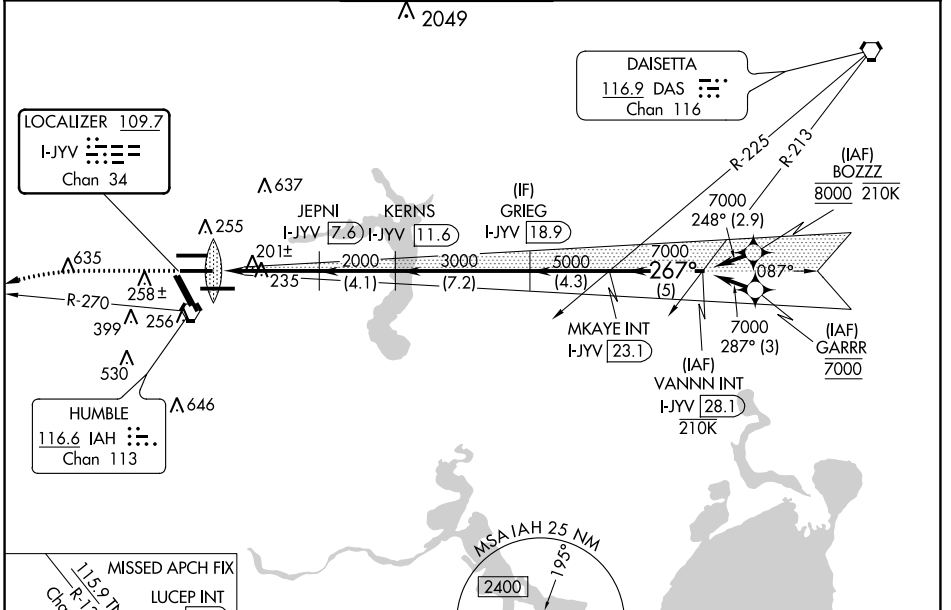
LOC/DME I-JYV 109.7 Chan 34	APP CRS 267°	Rwy Idg TDZE Apt Elev	9402 95 96
---	------------------------	-----------------------------	---------------------------------------

ILS RWY 26L (CAT II & III)

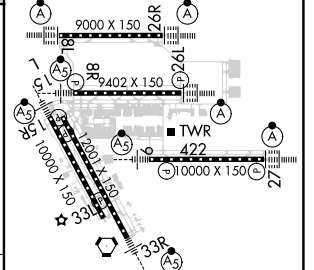
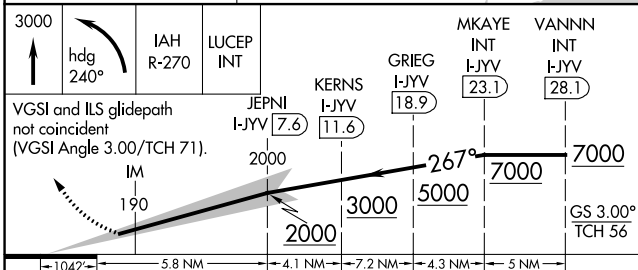
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From BOZZZ, GARRR: RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.
Simultaneous approach authorized with Rwy 26R and Rwy 27. Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.			

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



ELEV 96	D TDZE 95
---------	------------------



CATEGORY	A	B	C	D
S-ILS 26L	CAT II RA 100/12		100 DA 195	
S-ILS 26L	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwsy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwsy

SC-5, 22 FEB 2024 to 21 MAR 2024

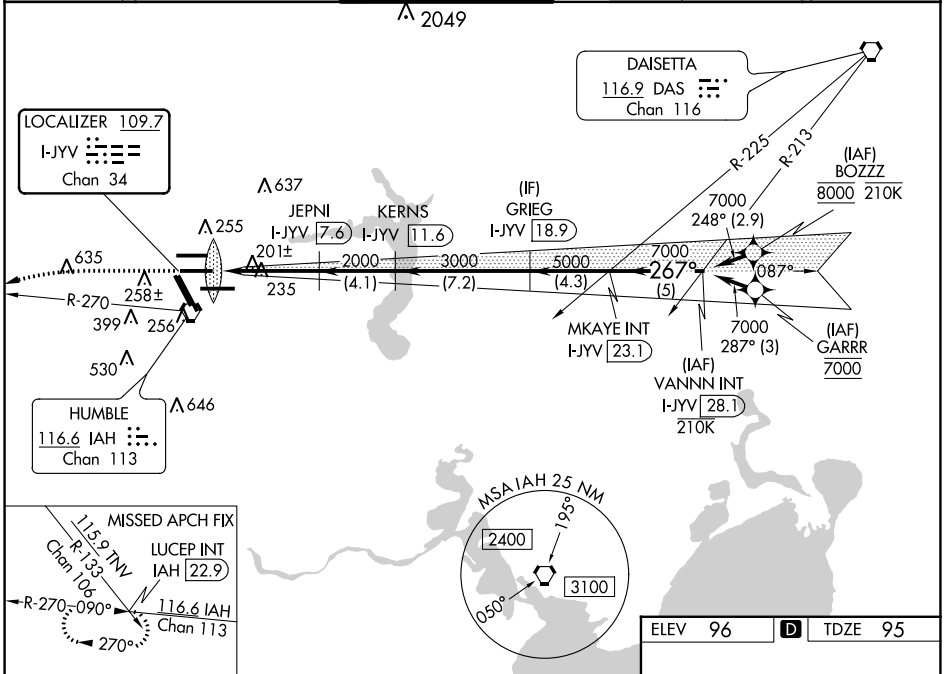
SC-5, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-JYV 109.7 Chan 34	APP CRS 267°	Rwy Idg 9402 TDZE 95 Apt Elev 96
---	------------------------	---

ILS RWY 26L (SA CAT I)

GEORGE BUSH INTCNL/HOUSTON (IAH)

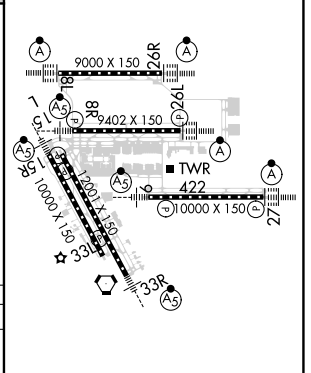
DME required. From BOZZZ, GARRR: RNAV 1-GPS required.			ALSF-2	MISSED APPROACH: Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.	
Simultaneous approach authorized with Rwy 26R and Rwy 27. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.					
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

ELEV 96	D TDZE 95																		
3000 hdg 240°	IAH R-270																		
VGSi and ILS glidepath not coincident (VGSi Angle 3.00/TCH 71).																			
<table border="1"> <tr> <td>IM</td> <td>JEPNI I-JYV 7.6</td> <td>KERN5 I-JYV 11.6</td> <td>GRIEG I-JYV 18.9</td> <td>MKAYE INT I-JYV 23.1</td> <td>VANNN INT I-JYV 28.1</td> </tr> <tr> <td>2000</td> <td>2000</td> <td>3000</td> <td>5000</td> <td>7000</td> <td>7000</td> </tr> <tr> <td>5.8 NM</td> <td>4.1 NM</td> <td>7.2 NM</td> <td>4.3 NM</td> <td>5 NM</td> <td></td> </tr> </table>		IM	JEPNI I-JYV 7.6	KERN5 I-JYV 11.6	GRIEG I-JYV 18.9	MKAYE INT I-JYV 23.1	VANNN INT I-JYV 28.1	2000	2000	3000	5000	7000	7000	5.8 NM	4.1 NM	7.2 NM	4.3 NM	5 NM	
IM	JEPNI I-JYV 7.6	KERN5 I-JYV 11.6	GRIEG I-JYV 18.9	MKAYE INT I-JYV 23.1	VANNN INT I-JYV 28.1														
2000	2000	3000	5000	7000	7000														
5.8 NM	4.1 NM	7.2 NM	4.3 NM	5 NM															
CATEGORY A	B C D																		
S-ILS 26L	RA 152/14 150 DA 245																		



SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

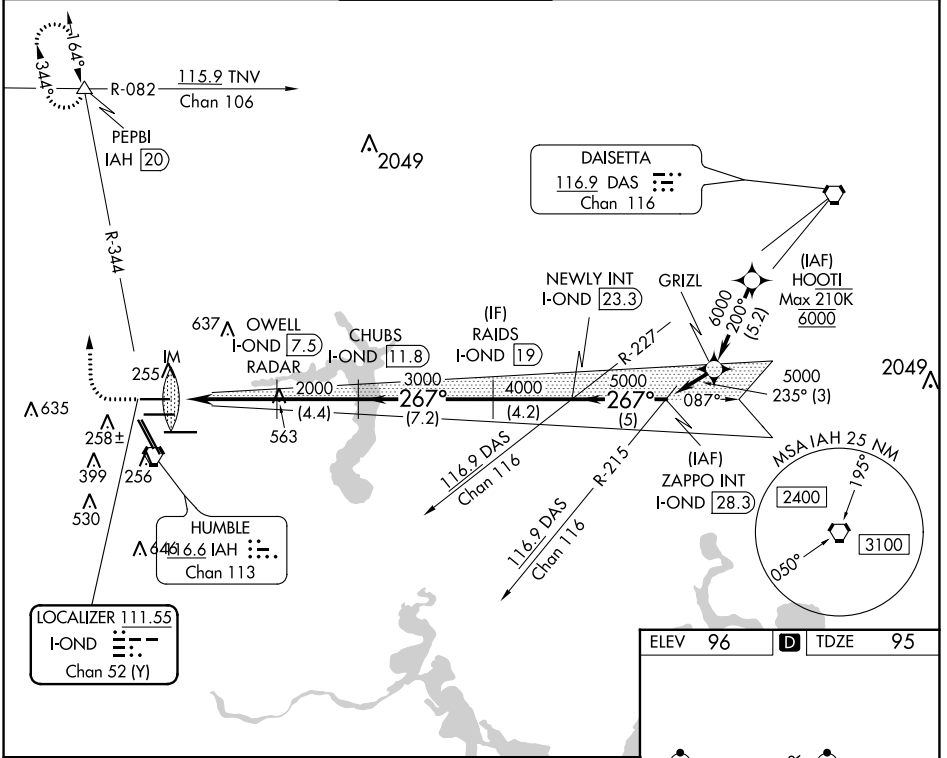
TDZ/CL Rwsys 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwsys

LOC/DME I-OND 111.55 Chan 52 (Y)	APP CRS 267°	Rwy Idg TDZE 95 Apt Elev 96	9000
--	------------------------	---	-------------

ILS RWY 26R (CAT II & III)

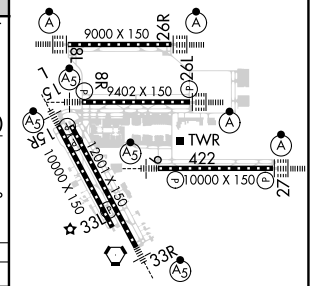
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME equipped. From HOOIT: RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.		
<p>Simultaneous approach authorized with Rwy 26L and Rwy 27. Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC or LOA approval and use of autoland or HUD to touchdown.</p>					
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC



ELEV 96	D TDZE 95
---------	------------------

600	3000	PEPBI	OWELL I-OND 7.5	CHUBS I-OND 11.8	RAIDS I-OND 19	NEWLY INT I-OND 23.3	ZAPPO INT I-OND 28.3
		IAH R-344	RADAR				
	IM 195		2000	3000	4000	5000	GS 3.00° TCH 59
	5.8 NM	4.4 NM	7.2 NM	4.2 NM	5 NM		
CATEGORY	A	B	C	D			
S-ILS-26R	CAT II RA 99/12			100 DA 195			
S-ILS-26R	CAT III RVR 06						



CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

SC-5, 22 FEB 2024 to 21 MAR 2024

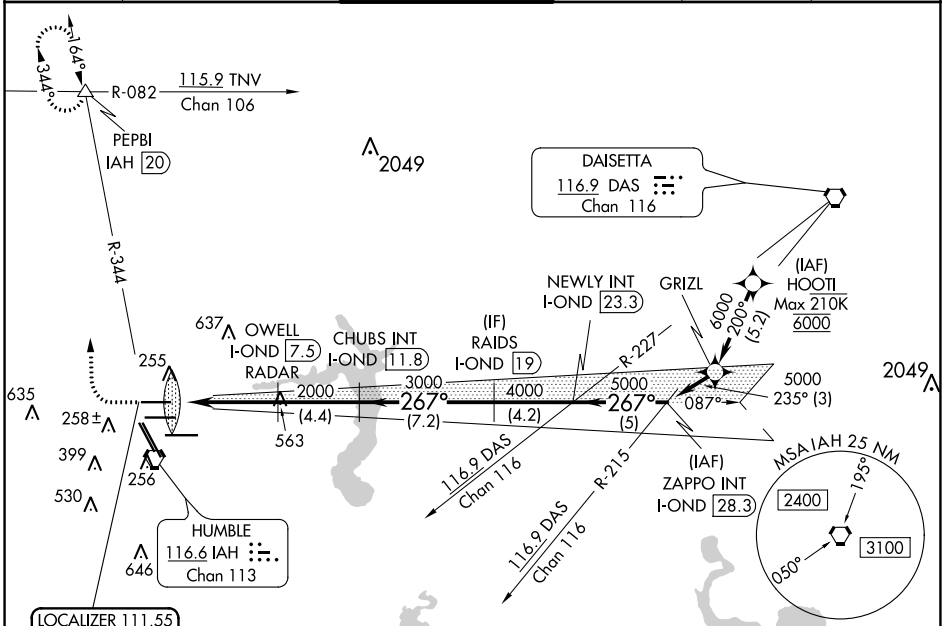
SC-5, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-OND 111.55 Chan 52 (Y)	APP CRS 267°	Rwy Idg 9000 TDZE 95 Apt Elev 96
--	------------------------	---

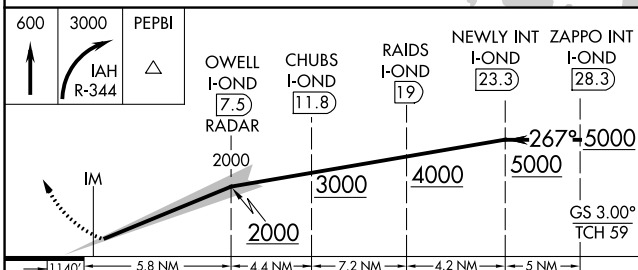
ILS RWY 26R(SA CAT I)

GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From HOOI: RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.				
Simultaneous approach authorized with Rwy 26L and Rwy 27. Requires specific OPSPEC, MSPEC or LOA approval and use of HUDs to DH.		D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC

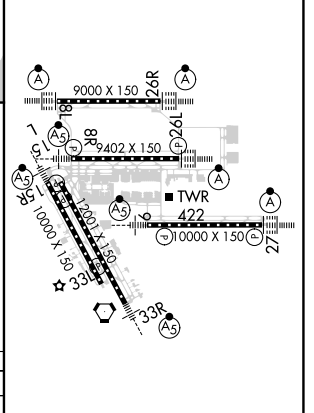


LOCALIZER 111.55 I-OND Chan 52 (Y)	HUMBLE 116.6 IAH Chan 113	DAISETTA 116.9 DAS Chan 116
--	---------------------------------	-----------------------------------



CATEGORY	A	B	C	D
S-ILS-26R	RA 157/14 150 DA 245			

ELEV 96	TDZE 95
---------	---------



SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

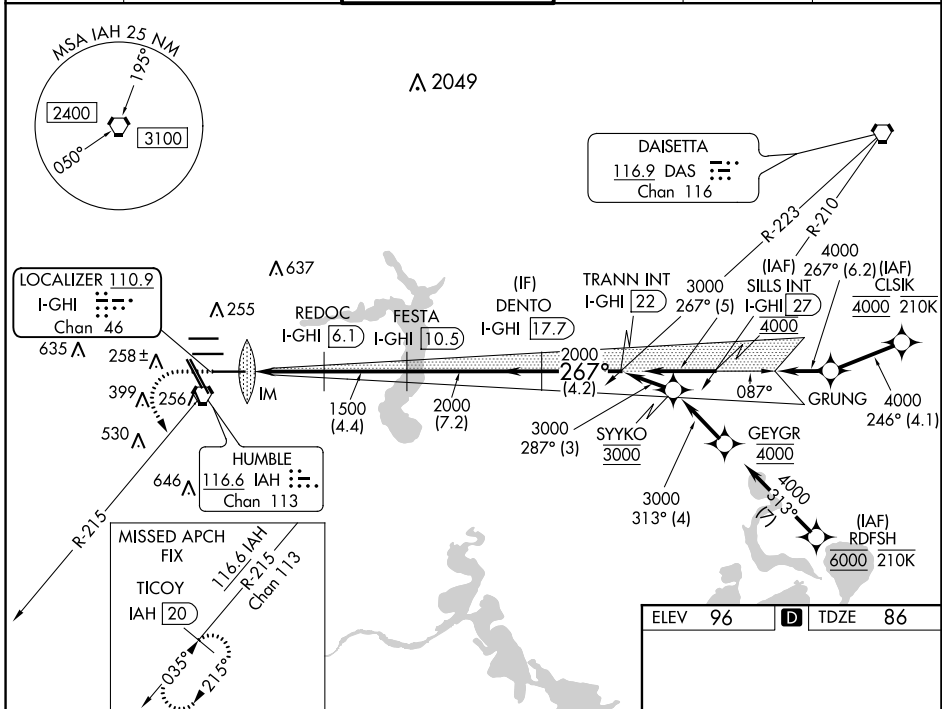
LOC/DME I-GHI 110.9 Chan 46	APP CRS 267°	Rwy Idg 10000 TDZE 86 Apt Elev 96
---	------------------------	--

ILS RWY 27 (CAT II & III)

GEORGE BUSH INTCNL/HOUSTON (IAH)

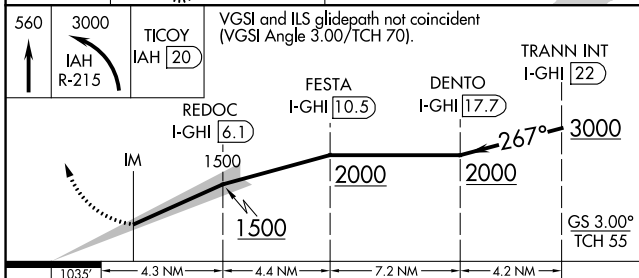
RNAV 1-GPS or RADAR required for procedure entry. DME required.		ALSF-2 	MISSED APPROACH: Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICOO/IAH 20 DME and hold.
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Cat II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.			

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------

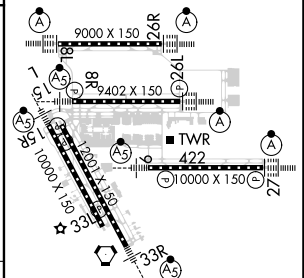


SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



ELEV 96	D TDZE 86
---------	------------------



CATEGORY	A	B	C	D
S-ILS 27	CAT II RA 101/12 100 DA 186			
S-ILS 27	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwws 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwws

LOC/DME I-GHI	APP CRS	Rwy Idg	10000
110.9	267°	TDZE	86
Chan 46		Apt Elev	96

ILS RWY 27 (SA CAT I)

GEORGE BUSH INTCNTL/HOUSTON (IAH)

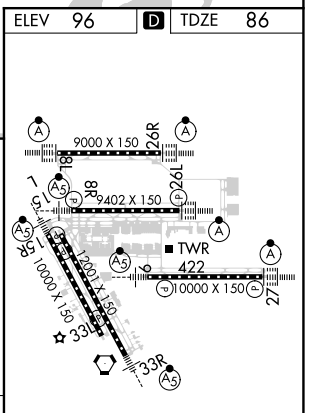
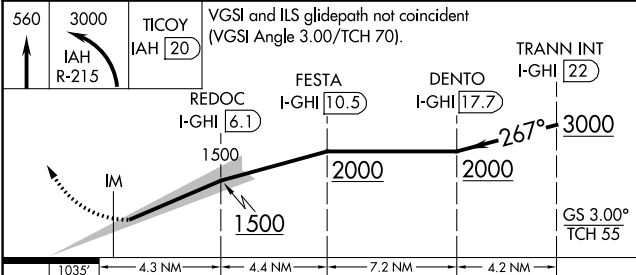
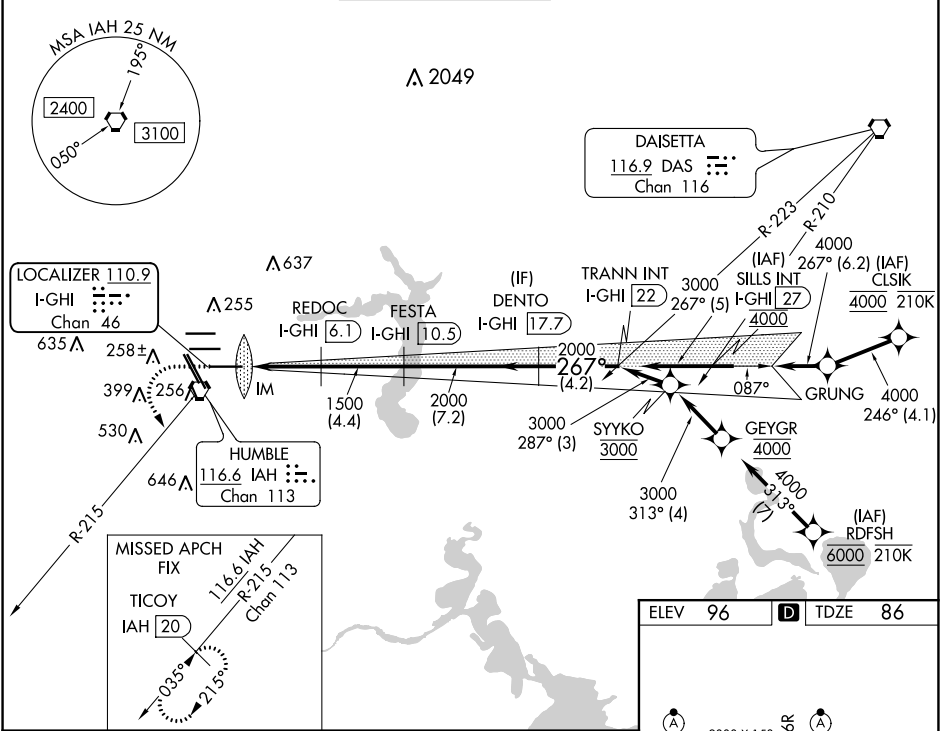
RNAV 1-GPS or RADAR required for procedure entry. DME required.

▼ Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

ALSF-2

MISSED APPROACH: Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICOY/IAH 20 DME and hold.

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	135.15 290.2	118.575	128.1	



CATEGORY	A	B	C	D
S-ILS 27	RA 157/14 150 DA 236			

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

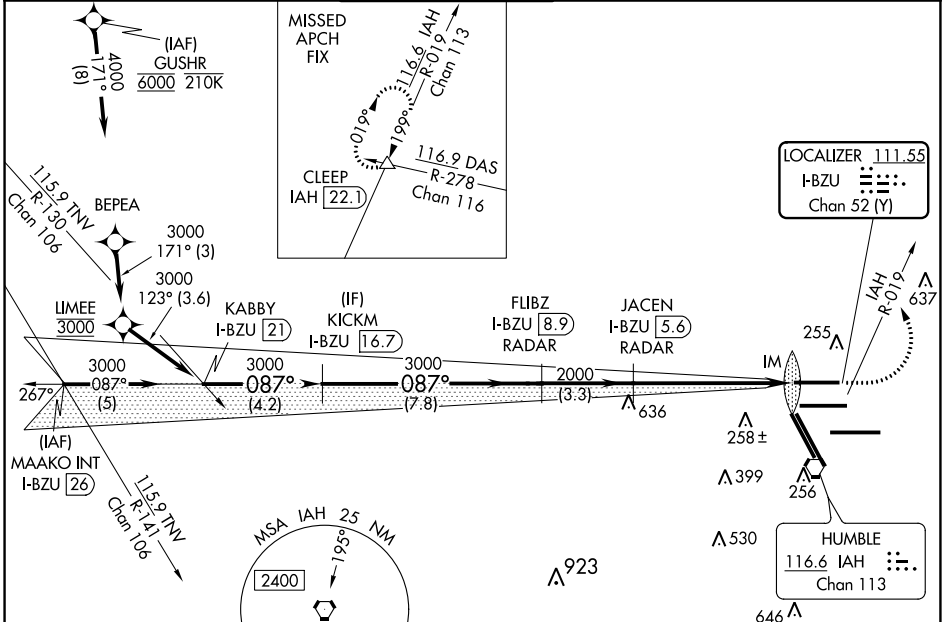
SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

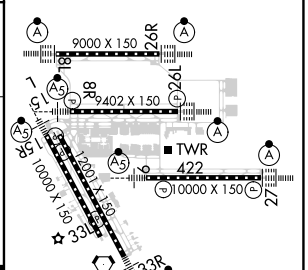
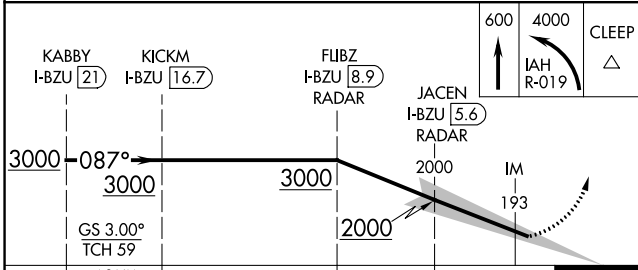
LOC/DME I-BZU 111.55 Chan 52 (Y)	APP CRS 087°	Rwy Idg TDZE Apt Elev	9000 94 96
--	------------------------	-----------------------------	---------------------------------------

ILS RWY 8L (CAT II & III)
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From GUSHR: RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 600 then climbing left turn to 4000 on IAH VORTAC R-019 to CLEEP INT/IAH 22.1 DME and hold.				
Simultaneous approach authorized with Rwy 8R and Rwy 9. CAT II: RVR 1000 authorized with specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.			ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1



ELEV 96	D TDZE 94
---------	------------------



CATEGORY	A	B	C	D
S-ILS 8L	CAT II RA 108/12 100 DA 194			
S-ILS 8L	CAT III RVR 06			

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-BZU 111.55 Chan 52 (Y)	APP CRS 087°	Rwy Idg TDZE Apt Elev	9000 94 96
---	------------------------	-----------------------------	---------------------------------------

ILS RWY 8L (SA CAT I)

GEORGE BUSH INTCNL/HOUSTON (IAH)

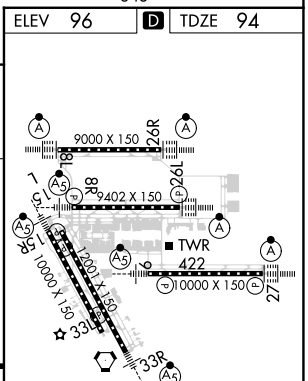
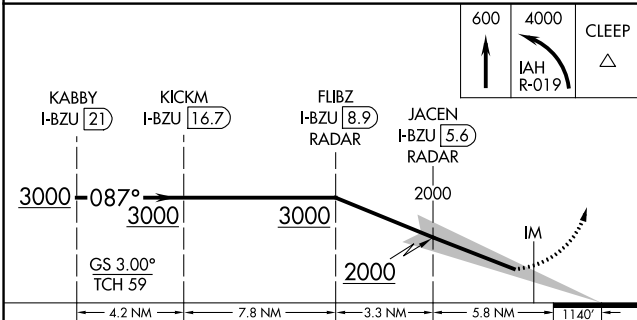
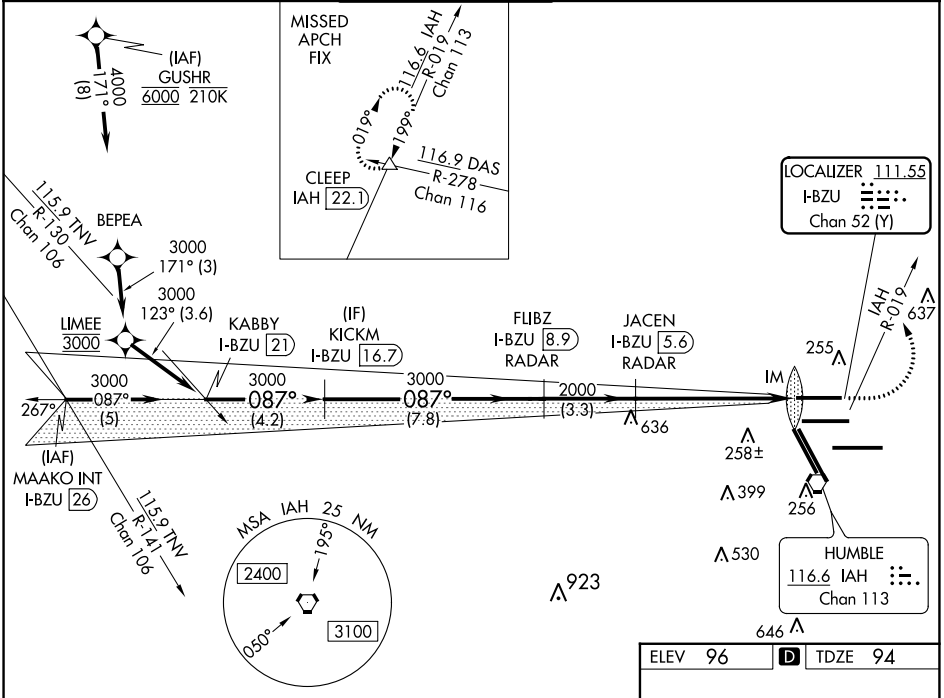
DME required. From GUSHR: RNAV 1-GPS required.

Simultaneous approach authorized with Rwy 8R and Rwy 9. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

ALSF-2

MISSED APPROACH: Climb to 600 then climbing left turn to 4000 on IAH VORTAC R-019 to CLEEP INT/IAH 22.1 DME and hold.

ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-----------------------	--	---------------------------------------	---------------------------	--------------------------	-------



CATEGORY	A	B	C	D
S-ILS 8L	RA 158/14		150 DA 244	

SA CATEGORY I ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

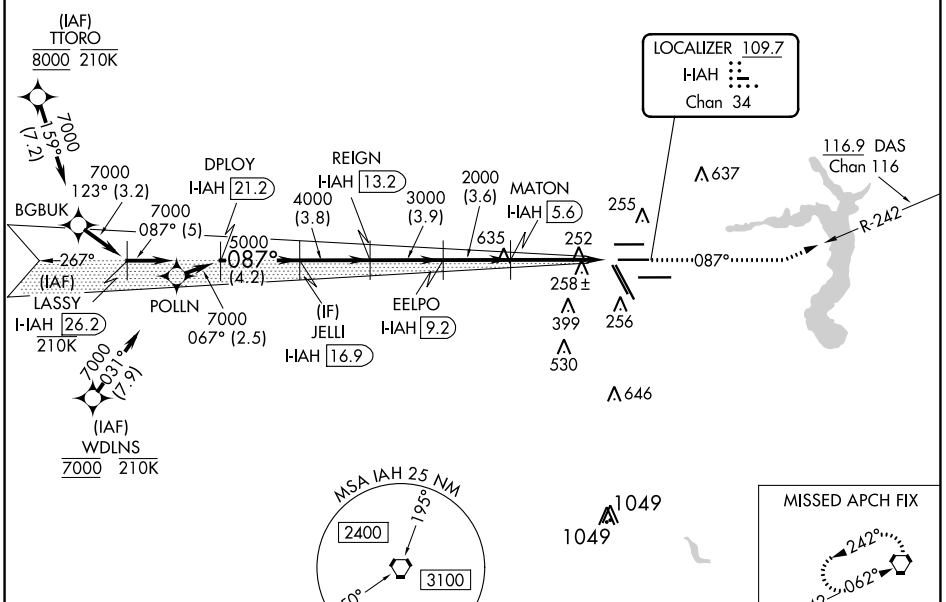
LOC/DME I-IAH 109.7 Chan 34	APP CRS 087°	Rwy Idg 9402 TDZE 95 Apt Elev 96
---	------------------------	---

ILS RWY 8R (SA CAT I & II)

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNAV 1-GPS or RADAR required for procedure entry, DME.		MALSR 	MISSED APPROACH: Climb to 3000 on heading 087° and on DAS VORTAC R-242 to DAS VORTAC and hold.
Simultaneous approach authorized. SA CAT I: Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH. SA CAT II: Reduced lighting: requires specific OPSPEC, MSPEC, or LOA approval and use of autoland or HUD to touchdown.			

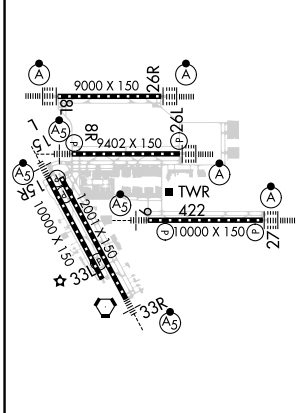
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC ▲2049
-------------------------	--	--------------------------------------	---------------------------	--------------------------	----------------



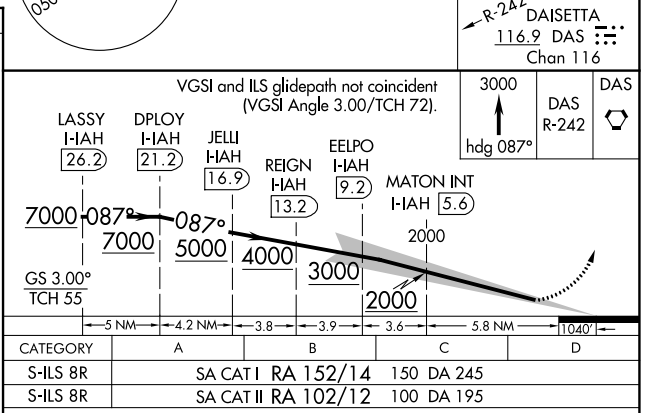
SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



SA CATEGORY I and II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

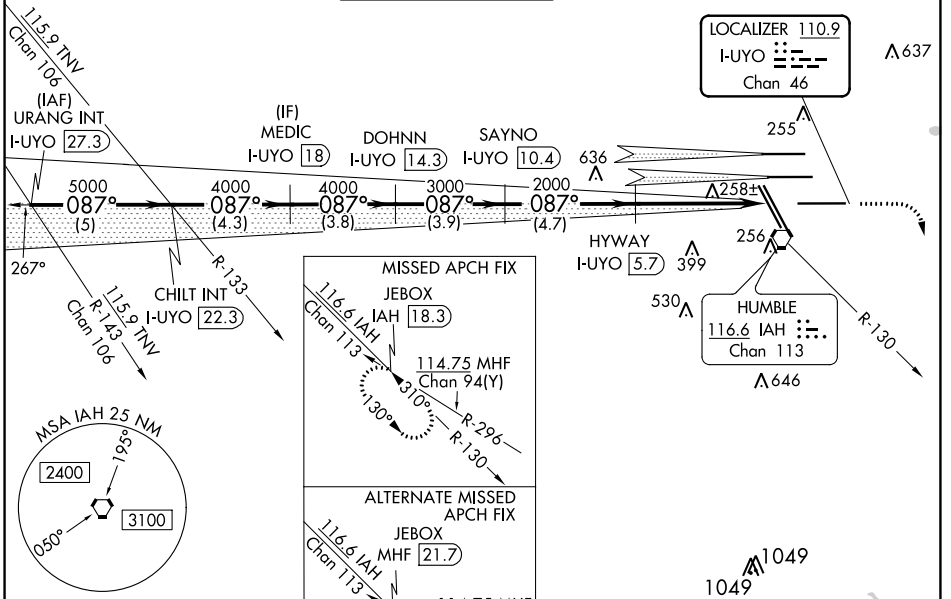
LOC/DME I-UYO 110.9 Chan 46	APP CRS 087°	Rwy Idg 10000 TDZE 90 Apt Elev 96
---	------------------------	--

ILS RWY 9 (SA CAT I & II)

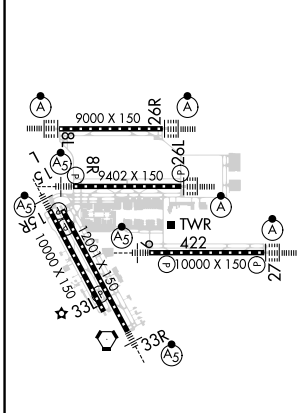
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. RADAR required for procedure entry.	MALS R	MISSED APPROACH: Climb to 580 then climbing right turn to 3000 on IAH VORTAC R-130 to JEBOX/IAH 18.3 DME and hold.
<p>Simultaneous approach authorized with Rwy 8L/R. SA CAT I: Requires specific OPSPEC, MSPEC, or LOA approval and use of AUTOLAND or HUD to touchdown. SA CAT II: Reduced lighting: requires specific OPSPEC, MSPEC, or LOA approval and use of AUTOLAND or HUD to touchdown.</p>		

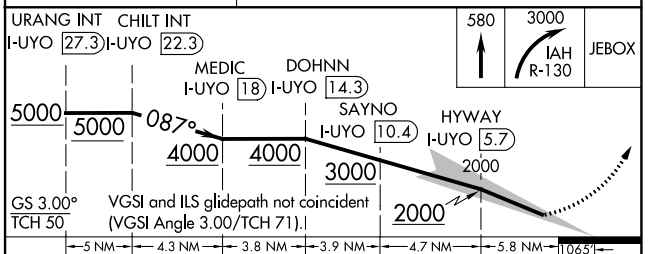
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



ELEV 96	D TDZE 90
---------	------------------



TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



CATEGORY	A	B	C	D
S-ILS 9	SA CAT I RA 148/14	150	DA 240	
S-ILS 9	SA CAT II RA 98/12	100	DA 190	

SA CATEGORY I and II ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

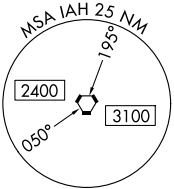
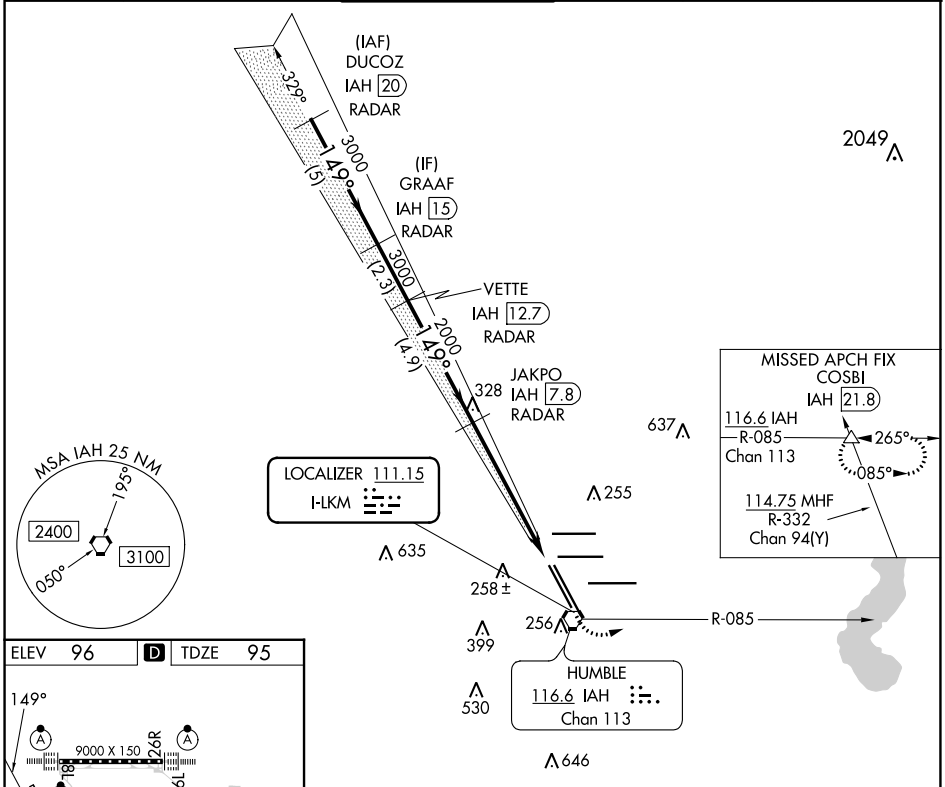
LOC I-LKM 111.15	APP CRS 149°	Rwy Idg 10000 TDZE 95 Apt Elev 96
----------------------------	------------------------	--

ILS or LOC RWY 15R

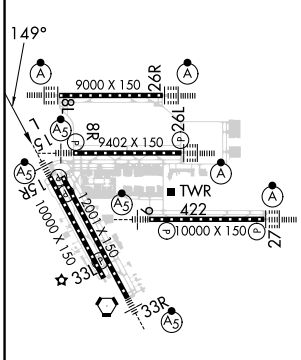
GEORGE BUSH INTCNL/HOUSTON (IAH)

RADAR required for procedure entry. DME or RADAR required.		MALS/R	MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 on IAH VORTAC R-085 to COSBI INT/IAH 21.8 DME and hold.
DME from IAH VORTAC. Simultaneous reception of I-LKM and IAH DME required. For inop ALS, increase S-LS 15R Cat E visibility to RVR 4000, and S-LOC 15R Cat C/D/E visibility to 1 3/8 SM.			

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 127.3 288.25	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------



ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8R, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

VGSi and ILS glidepath not coincident (VGSi Angle 3.00/TCH 71).		1000	2000	COSBI
DUCOZ IAH 20 RADAR	GRAAF IAH 15 RADAR	VETTE IAH 12.7 RADAR	JAKPO IAH 7.8 RADAR	IAH R-085
3000	3000	3000	2000	* IAH 3.3
GS 3.00° TCH 54	149°	149°	2000	IAH 2
	5 NM	2.3 NM	4.9 NM	4.5 NM
CATEGORY	A	B	C	D
S-ILS 15R	295/18 200 (200-1/2)			
S-LOC 15R	580/24	485 (500-1/2)	580/50	485 (500-1)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

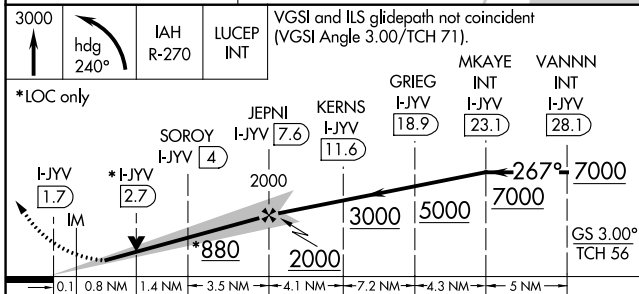
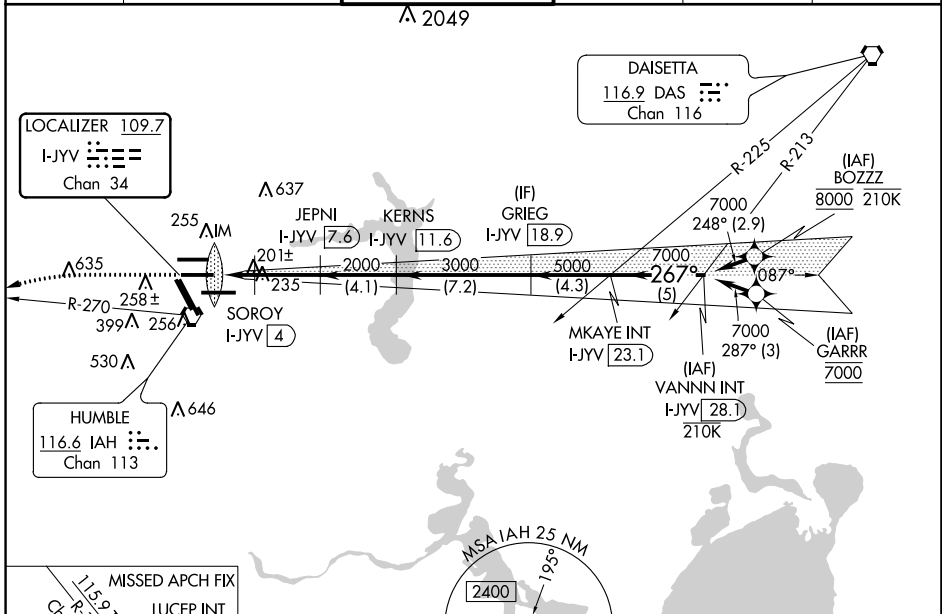
LOC/DME I-JYV 109.7 Chan 34	APP CRS 267°	Rwy Idg 9402 TDZE 95 Apt Elev 96
---	------------------------	---

ILS or LOC RWY 26L

GEORGE BUSH INTCNL/HOUSTON (IAH)

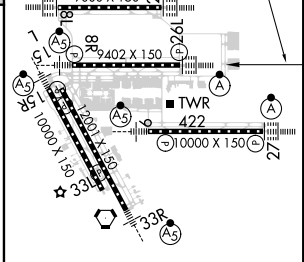
DME required. From BOZZZ, GARRR: RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 3000 then left turn heading 240° and IAH VORTAC R-270 to LUCEP INT/IAH 22.9 DME and hold.
Simultaneous approach authorized with Rwy 26R and Rwy 27. For inop ALS, increase S-ILS 26L Cat E visibility to RVR 4000, S-LOC 26L Cat C/D/E visibility to RVR 5000.			

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



3000	↑	hdg 240°	IAH R-270	LUCEP INT	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 71).
*LOC only					
I-JYV (1.7)	*I-JYV (2.7)	SOROY I-JYV (4)	JEPNI I-JYV (7.6)	KERN I-JYV (11.6)	GRIEG I-JYV (18.9)
					MKAYE INT I-JYV (23.1)
					VANNIN INT I-JYV (28.1)
					267° 7000
					3000 5000 7000
					GS 3.00° TCH 56
					0.1 0.8 NM 1.4 NM 3.5 NM 4.1 NM 7.2 NM 4.3 NM 5 NM
CATEGORY	A	B	C	D	E
S-ILS 26L	295/18		200 (200-½)		
S-LOC 26L	460/24	365 (400-½)		460/35	365 (400-¾)

ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwys

FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

SC-5, 22 FEB 2024 to 21 MAR 2024

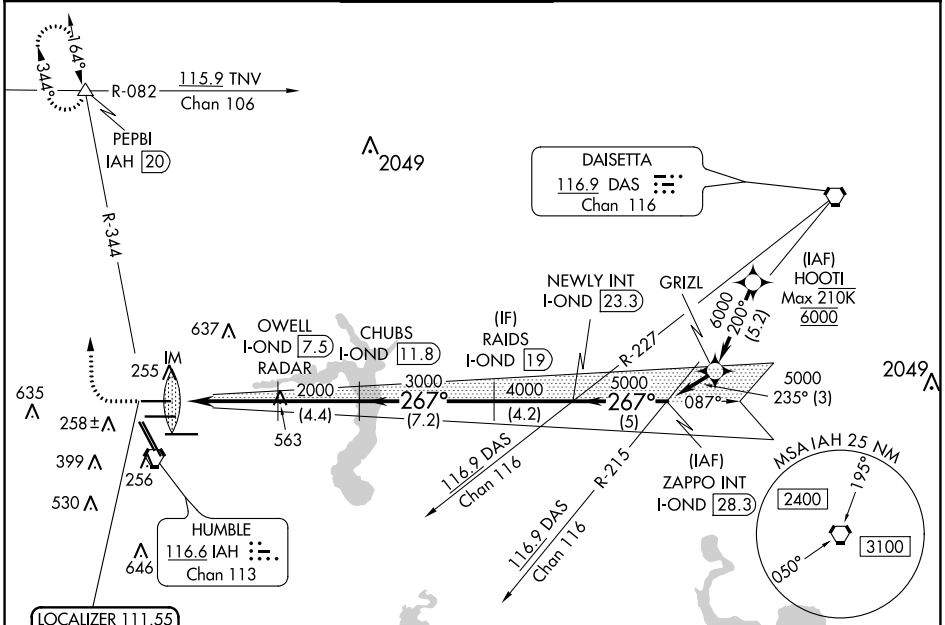
SC-5, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-OND 111.55 Chan 52 (Y)	APP CRS 267°	Rwy Idg 9000 TDZE 95 Apt Elev 96
--	------------------------	---

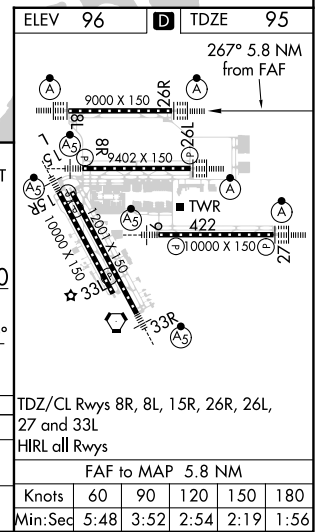
ILS or LOC RWY 26R

GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. From HOOTI: RNAV 1-GPS required.		ALSIF-2 	MISSED APPROACH: Climb to 600 then climbing right turn to 3000 on IAH VORTAC R-344 to PEPBI INT/IAH 20 DME and hold.				
Simultaneous approach authorized with Rwy 26L and Rwy 27. For inop ALS, increase S-ILS 26R Cat E visibility to RVR 4000, and S-LOC 26R Cat C/D/E visibility to 1 1/8 SM.		D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC



ELEV 96	TDZE 95						
600	3000	PEPBI	OWELL I-OND 7.5	CHUBS I-OND 11.8	RAIDS I-OND 19	NEWLY INT I-OND 23.3	ZAPPO INT I-OND 28.3
* LOC only			RADAR				
			2000	3000	4000	5000	GS 3.00°
			2000				TCH 59
CATEGORY	A	B	C	D	E		
S-ILS 26R	295/18		200 (200-1/2)				
S-LOC 26R	580/24	485 (500-1/2)		580/50	485 (500-1)		



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-GHI 110.9 Chan 46	APP CRS 267°	Rwy Idg 10000 TDZE 86 Apt Elev 96
---	------------------------	--

ILS or LOC RWY 27
GEORGE BUSH INTCNL/HOUSTON (IAH)

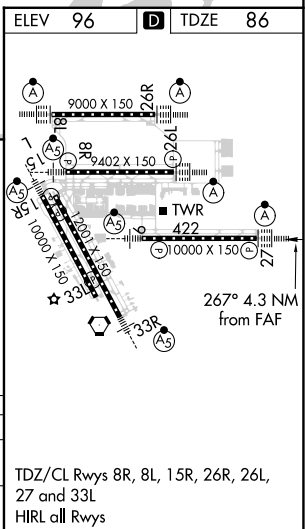
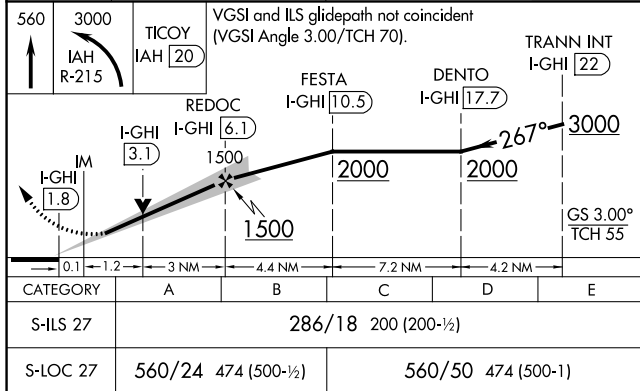
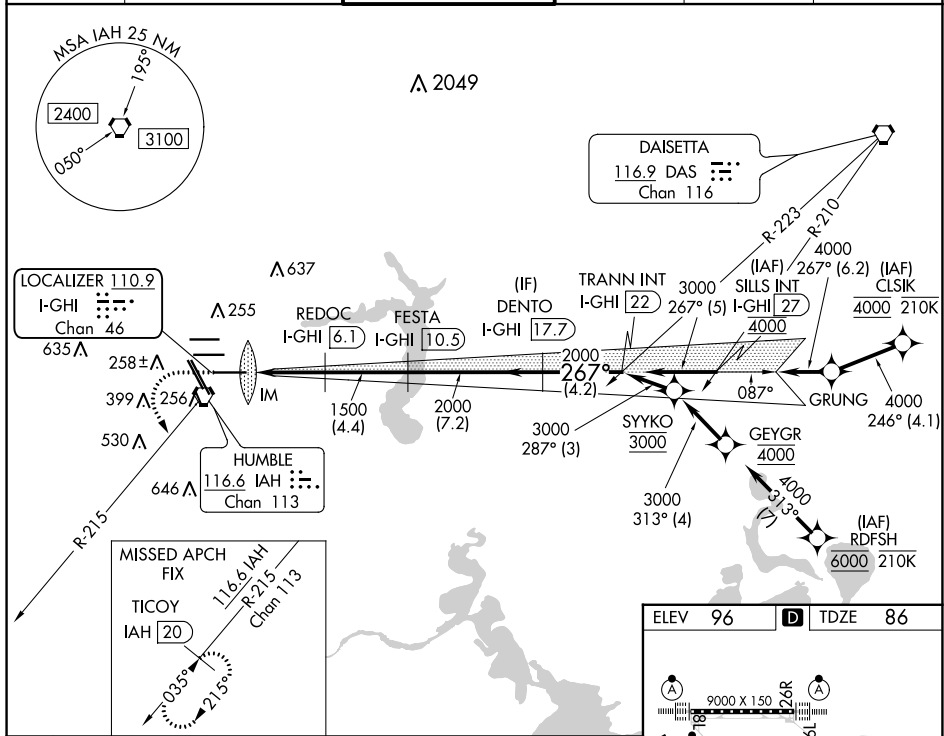
RNAV 1-GPS or RADAR required for procedure entry.
DME required.

Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For inop ALS, increase S-ILS 27 Cat E visibility to RVR 4000 and S-LOC 27 Cat C-E visibility to 1 1/2 SM.

ALSF-2

MISSED APPROACH: Climb to 560 then climbing left turn to 3000 on IAH VORTAC R-215 to TICCOY/IAH 20 DME and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

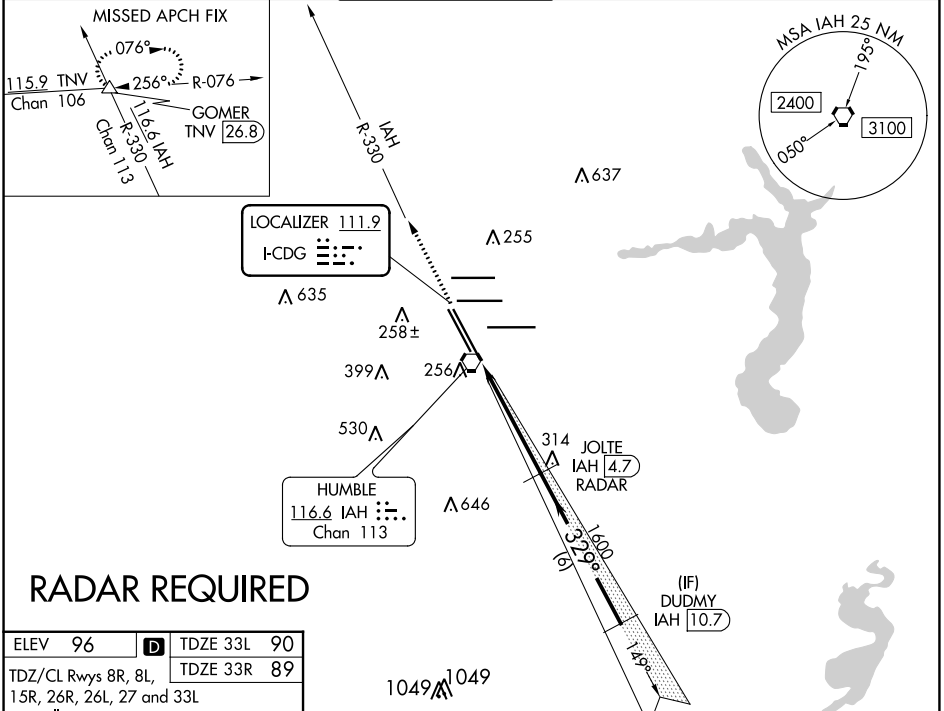
TDZ/CL Rwys 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwys

LOC I-CDG 111.9	APP CRS 329°	Rwy 33R Idg 12001 TDZE 89 Apt Elev 96	Rwy 33L Idg 10000 TDZE 90 Apt Elev 96
---------------------------	------------------------	--	--

ILS or LOC RWY 33R

GEORGE BUSH INTCNL/HOUSTON (IAH)

<p>▼ DME from IAH VORTAC. Simultaneous reception of I-CDG and IAH DME Required. For inop MALS R, increase S-ILS 33R Cat E visibility to RVR 4000 and S-LOC 33R Cat E visibility to 1 1/2 mile. DME or RADAR Required. #RVR 1800 authorized with the use of FD or AP or HUD to DA.</p>		<p>MALS R </p>	<p>MISSED APPROACH: Climb to 2000 on IAH VORTAC R-330 to GOMER INT/TNV 26.8 DME and hold.</p>		
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 127.3 288.25	GND CON 121.7	CLNC DEL 128.1	CPDLC



RADAR REQUIRED

ELEV 96	D	TDZE 33L 90			
TDZ/CL Rws 8R, 8L, 15R, 26R, 26L, 27 and 33L		TDZE 33R 89			
HIRL all Rws					
329° 4.6 NM from FAF					
FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

<p>2000 IAH R-330 *LOC only.</p>	<p>GOMER IAH Δ</p>		<p>JOLTE IAH 4.7 RADAR</p>		<p>DUDMY IAH 10.7</p>	
	<p>1600 *IAH 1.4</p>		<p>1600</p>		<p>2000</p>	
<p>1.3 NM</p>		<p>3.3 NM</p>		<p>6 NM</p>		
CATEGORY	A	B	C	D	E	
S-ILS 33R	# 289/24 200 (200-1/2)					
S-LOC 33R	540/24	451 (500-1/2)	540/45 451 (500-7/8)			
SIDESTEP Rwy 33L	540-1	450 (500-1)	540-1 1/2 450 (500-1 1/2)	540-2 450 (500-2)	NA	

GS 3.00°
TCH 49

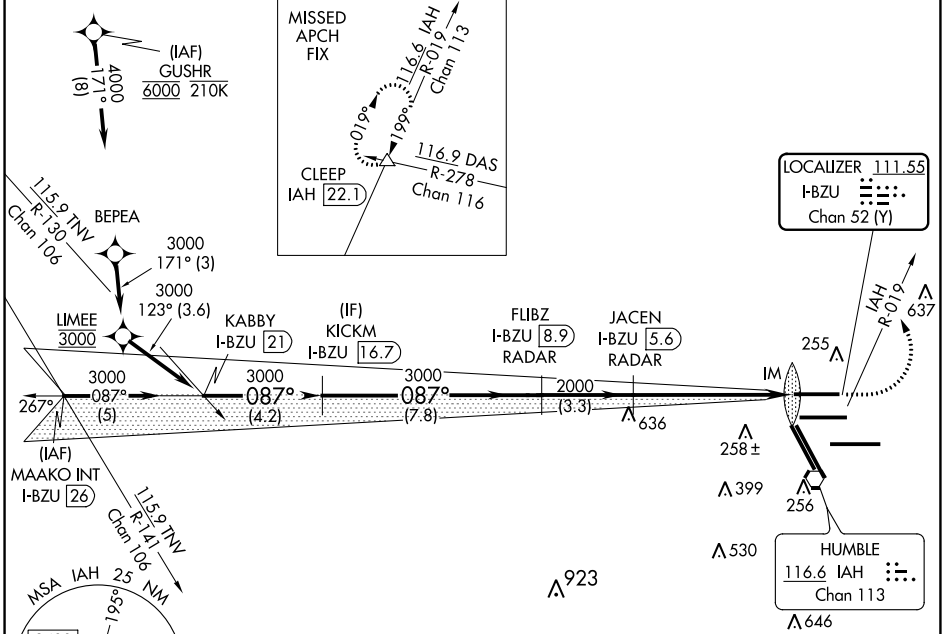
LOC/DME I-BZU 111.55 Chan 52 (Y)	APP CRS 087°	Rwy Idg TDZE Apt Elev	9000 94 96
---	------------------------	-----------------------------	---------------------------------------

ILS or LOC RWY 8L

GEORGE BUSH INTCNL/HOUSTON (IAH)

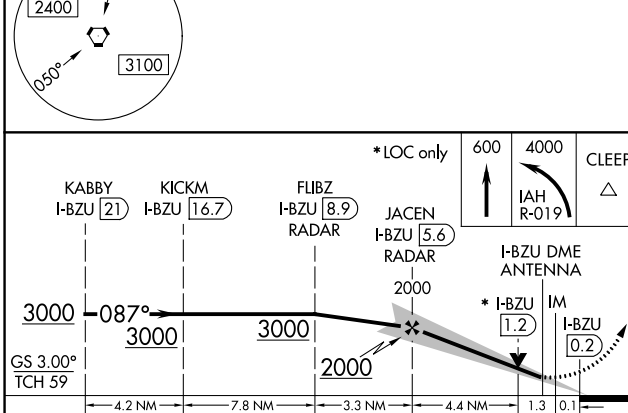
DME required. From GUSHR. RNAV 1-GPS required.		ALSF-2 	MISSED APPROACH: Climb to 600 then climbing left turn to 4000 on IAH VORTAC R-019 to CLEEP INT/IAH 22.1 DME and hold.
Simultaneous approach authorized with Rwy 8R and Rwy 9.			

ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.725 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-----------------------	--	---------------------------------------	---------------------------	--------------------------	-------

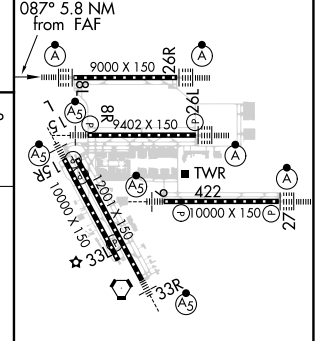


SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



ELEV 96	TDZE 94
---------	---------



TDZ/CL Rwys 8R, 8L, 15R, 26R, 26L, 27 and 33L					
HIRL all Rwys					
FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

LOC/DME I-IAH 109.7 Chan 34	APP CRS 087°	Rwy Idg 9402 TDZE 95 Apt Elev 96
---	------------------------	---

ILS or LOC RWY 8R

GEORGE BUSH INTCNL/HOUSTON (IAH)

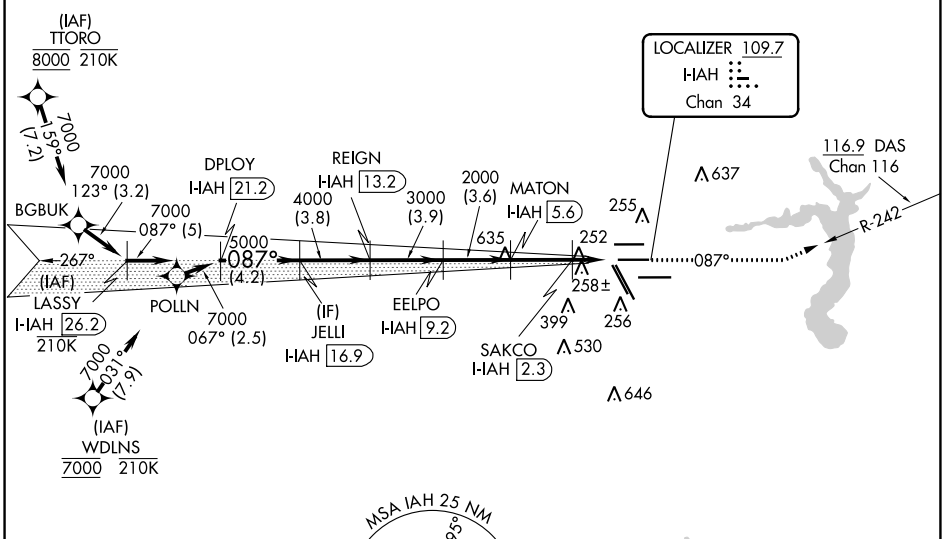
RNAV 1-GPS or RADAR required for procedure entry, DME.

Simultaneous approach authorized. For inop ALS, increase S-LOC 8R Cat C/D/E visibility to 1 $\frac{1}{2}$ SM. For inop ALS, increase S-ILS 8R Cat E visibility to RVR 4000.

MALSRS

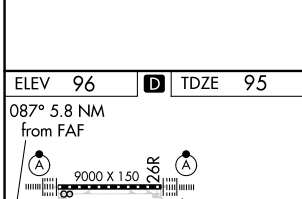
MISSED APPROACH: Climb to 3000 on heading 087° and on DAS VORTAC R-242 to DAS VORTAC and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC Δ 2049
-------------------------	--	--------------------------------------	---------------------------	--------------------------	------------------------



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



ELEV 96		D		TDZE 95																			
<p>7000-087° 7000 5000 4000 3000 2000 *940</p> <p>GS 3.00° TCH 55</p> <p>5 NM 4.2 NM 3.8 3.9 3.6 3.3 NM 1.3 NM 1.2 NM</p>																							
LASSY I-IAH 26.2		DPLOY I-IAH 21.2		JELLI I-IAH 16.9																			
REIGN I-IAH 13.2		EELPO I-IAH 9.2		MATHON I-IAH 5.6																			
SAKCO I-IAH 2.3		I-IAH DME ANTENNA		I-IAH 0.2																			
*LOC only.																							
<p>VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 72).</p>																							
<table border="1"> <tr> <th>CATEGORY</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> <tr> <td>S-ILS 8R</td> <td colspan="2">295/18</td> <td colspan="3">200 (200-$\frac{1}{2}$)</td> </tr> <tr> <td>S-LOC 8R</td> <td>560/24</td> <td>465 (500-$\frac{1}{2}$)</td> <td colspan="2">560/50</td> <td>465 (500-1)</td> </tr> </table>						CATEGORY	A	B	C	D	E	S-ILS 8R	295/18		200 (200- $\frac{1}{2}$)			S-LOC 8R	560/24	465 (500- $\frac{1}{2}$)	560/50		465 (500-1)
CATEGORY	A	B	C	D	E																		
S-ILS 8R	295/18		200 (200- $\frac{1}{2}$)																				
S-LOC 8R	560/24	465 (500- $\frac{1}{2}$)	560/50		465 (500-1)																		

HOUSTON, TEXAS
Amdt 26A 10OCT19

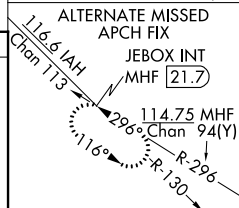
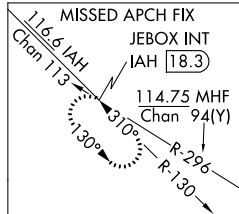
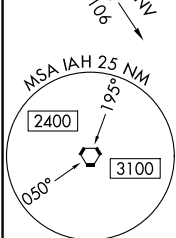
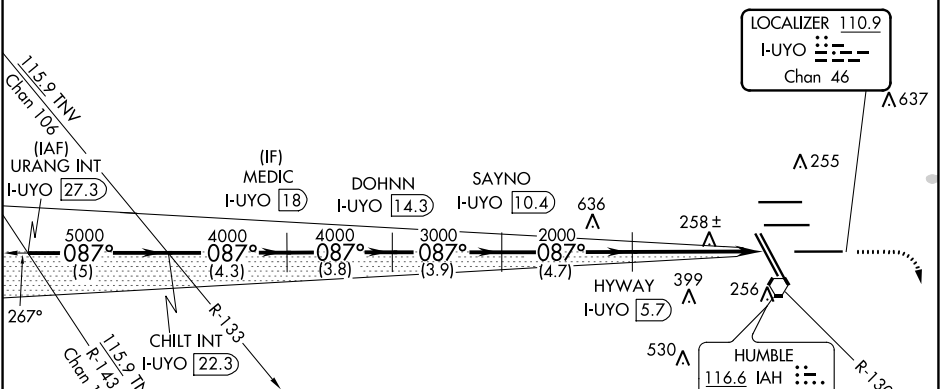
GEORGE BUSH INTCNL/HOUSTON (IAH)
29°59'N-95°20'W
ILS or LOC RWY 8R

LOC/DME I-UYO 110.9 Chan 46	APP CRS 087°	Rwy Idg 10000 TDZE 90 Apt Elev 96
---	------------------------	--

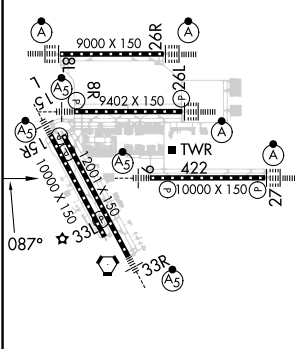
ILS or LOC RWY 9
GEORGE BUSH INTCNL/HOUSTON (IAH)

DME required. RADAR required for procedure entry.	MALSR 	MISSED APPROACH: Climb to 580 then climbing right turn to 3000 on IAH VORTAC R-130 to JEBOX/IAH 18.3 DME and hold.
Simultaneous approach authorized with Rwy 8L/R. # RVR 1800 authorized with the use of FD or AP or HUD to DA.		

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------

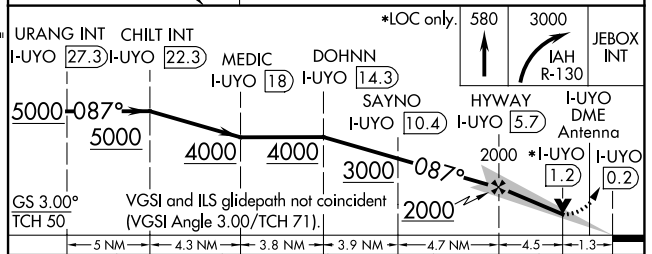


ELEV 96	D	TDZE 90
---------	----------	---------



TDZ/Cl Rws 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rws

FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56



CATEGORY	A	B	C	D	E
S-ILS 9 #	290/24				
S-LOC 9	580/24	490 (500-1/2)	580/50 490 (500-1)		

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

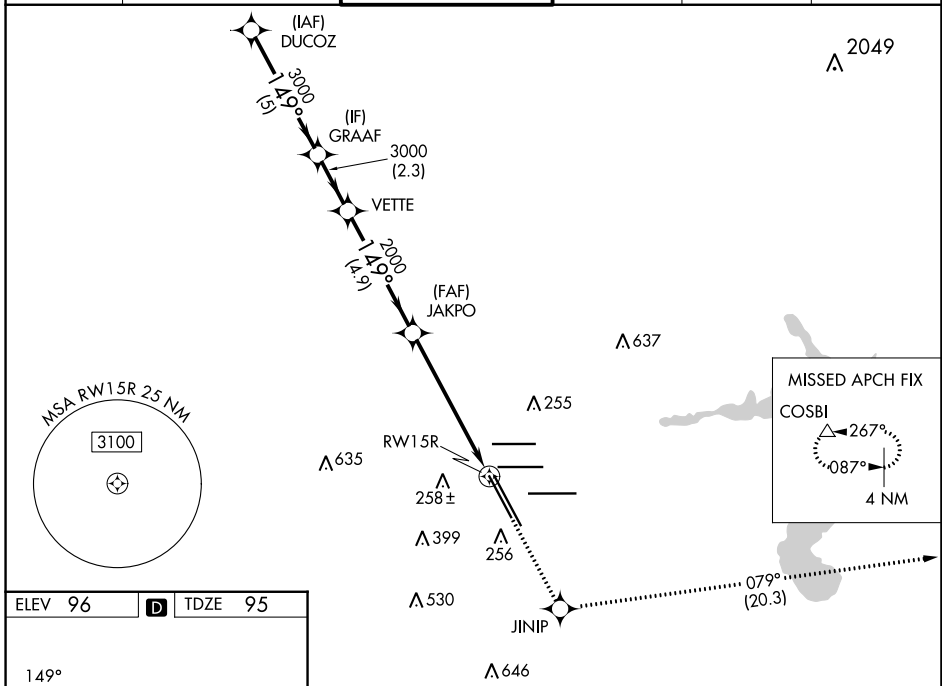
WAAS CH 97599	APP CRS 149°	Rwy Idg 10000 TDZE 95 Apt Elev 96
-------------------------	------------------------	--

RNAV (GPS) RWY 15R

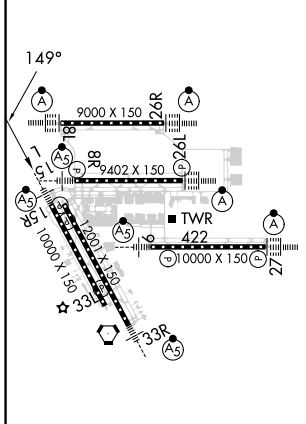
GEORGE BUSH INTCNL/HOUSTON (IAH)

RADAR required for procedure entry. RNP APCH.		MALSR 	MISSED APPROACH: Climb to 2000 direct JINIP and left turn on track 079° to COSBI and hold.
<p>⚠ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C or above 54°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 5500, and LNAV Cat C/D/E visibility to 1 3/8 SM.</p>			

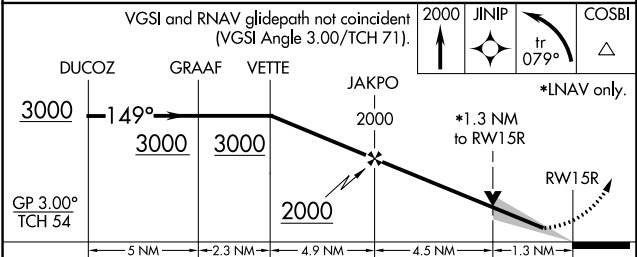
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 127.3 288.25	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------



ELEV 96	D	TDZE 95
---------	----------	---------



TDZ/CL Rwy 8R, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy



CATEGORY	A	B	C	D	E
LPV DA		295/18	200 (200-1/2)		
LNAV/VNAV DA		460/35	365 (400-3/4)		
LNAV MDA	580/24	485 (500-1/2)		580/50	485 (500-1)

WAAS CH 57902 W33A	APP CRS 329°	Rwy 33R Rwy ldg 12001 TDZE 89 Apt Elev 96	Rwy 33L Rwy ldg 10000 TDZE 90 Apt Elev 96
--	------------------------	---	---

RNAV (GPS) RWY 33R

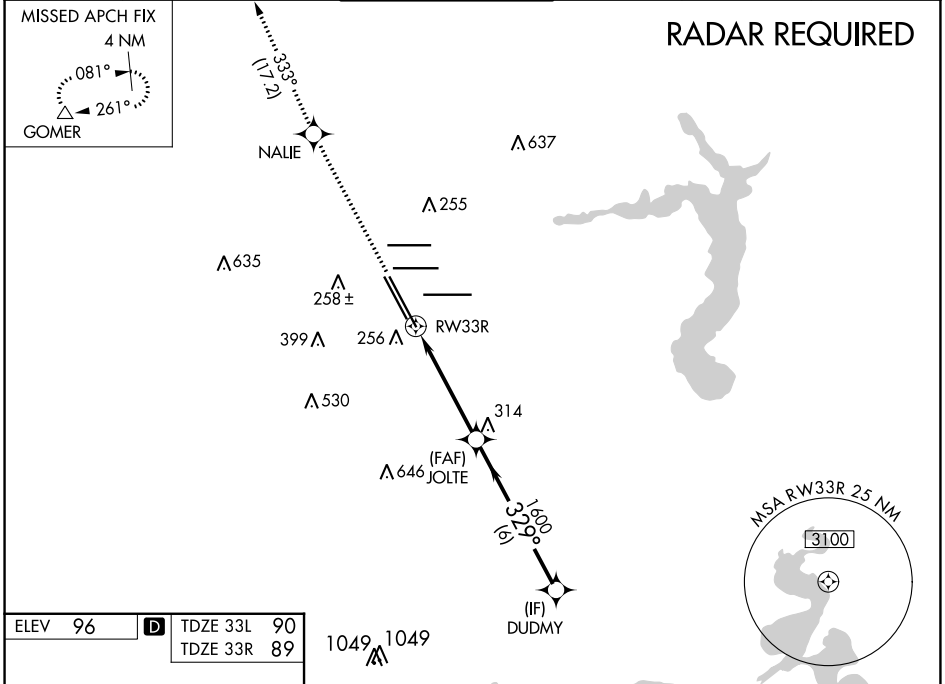
GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½, and LNAV Cat E visibility to 1½. DME/DME RNP-0.3 NA. **RVR 1800 authorized with use of FD or AP or HUD to DA.



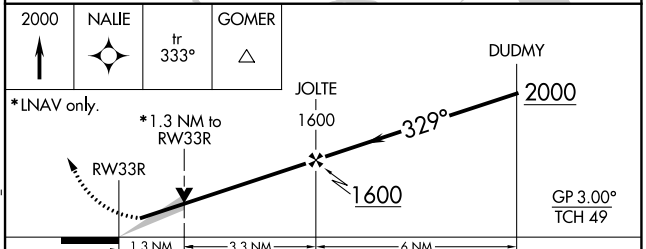
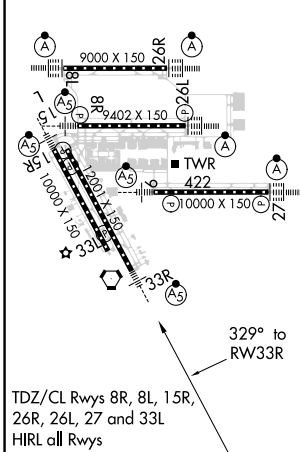
MISSED APPROACH: Climb to 2000 direct NALIE and on track 333° to GOMER and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 127.3 288.25	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------



RADAR REQUIRED

ELEV 96	D	TDZE 33L 90
		TDZE 33R 89



CATEGORY	A	B	C	D	E
LPV DA**	289/24		200 (200-½)		
LNAV/VNAV DA	490/45		401 (400-¾)		
LNAV MDA	540/24	451 (500-½)	540/45		451 (500-¾)
SIDESTEP 33L	540-1	450 (500-1)	540-1½ 450 (500-1½)	540-2 450 (500-2)	NA

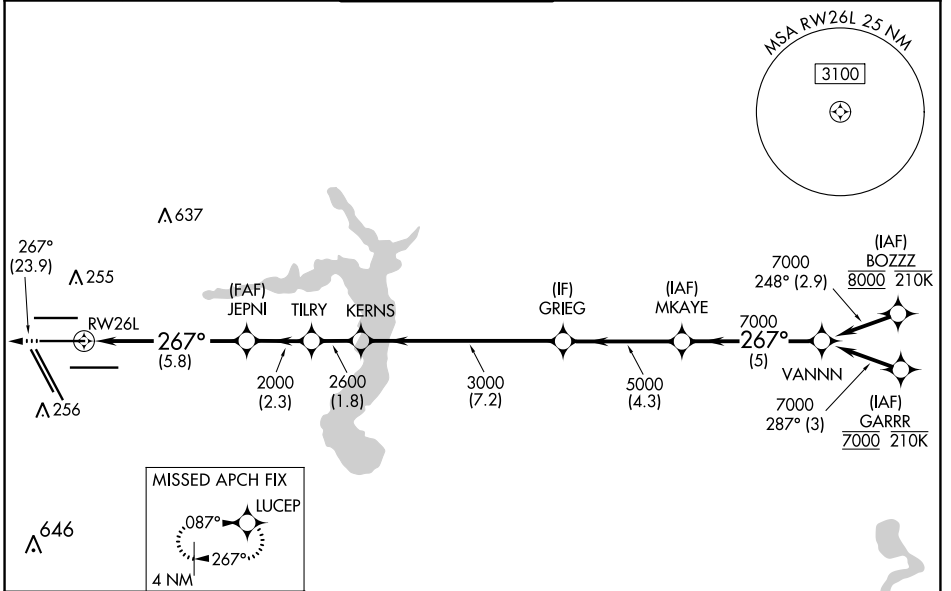
APP CRS	Rwy Idg	9402
267°	TDZE	95
	Apt Elev	96

RNAV (RNP) Y RWY 26L

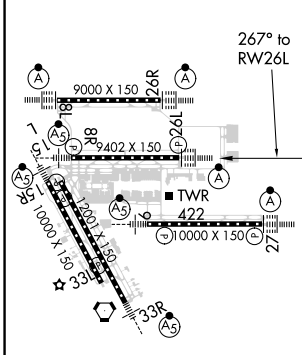
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP AR APCH - GPS.		ALSF-2 	MISSED APPROACH: Climb to 3000 on track 267° to LUCEP and hold.		
For uncompensated Baro-VNAV systems, procedure NA below -3°C or above 54°C. Simultaneous approach authorized. For inop ALS, increase RNP 0.13 all Cats visibility to RVR 5100, and RNP 0.30 all Cats visibility to 1½ SM.					

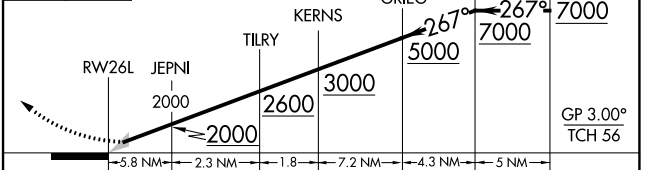
D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	125.35 290.2	118.575	128.1	



ELEV	96	D	TDZE	95
------	-----------	----------	------	-----------



3000	LUCEP	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00°/TCH 71°).
fr 267°		



CATEGORY	A	B	C	D
RNP 0.13 DA		414/40	319 (400-¾)	
RNP 0.30 DA		549/55	454 (500-1)	

TDZ/CL Rwy 8, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy

AUTHORIZATION REQUIRED

SC-5, 22 FEB 2024 to 21 MAR 2024


SC-5, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy Idg	9000
267°	TDZE	96
	Apt Elev	96

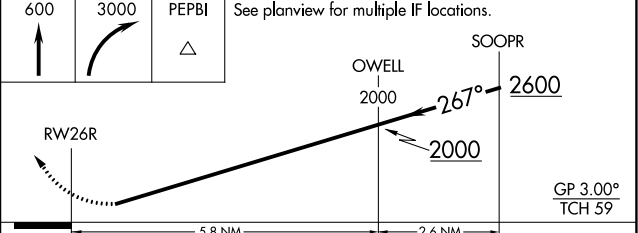
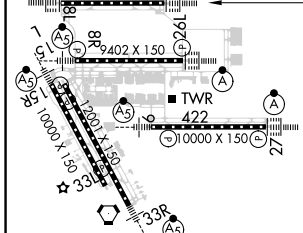
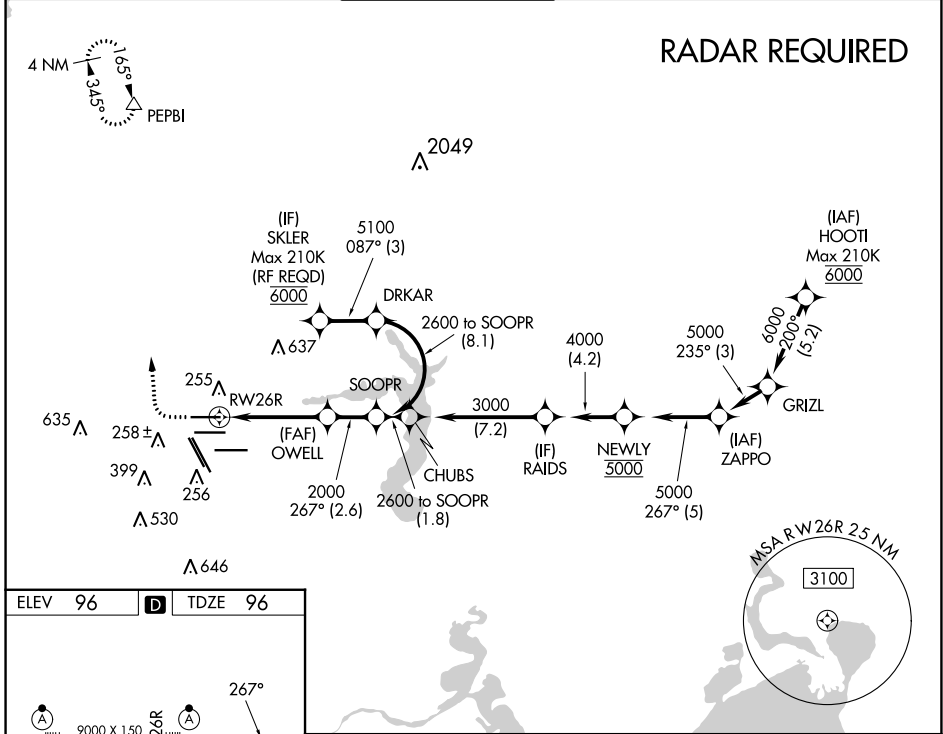
RNAV (RNP) Y RWY 26R

GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, procedure NA below -3°C (27°F) or above 54°C (130°F). GPS required. Simultaneous approach authorized. For inop ALS, increase RNP 0.11 all Cats visibility to RVR 5000 and increase RNP 0.15 all Cats visibility to 1½ SM. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.72 290.2	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------



TDZ/CL Rwy	8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL	all Rwy

CATEGORY	A	B	C	D
RNP 0.11 DA		429/40	333 (400-¾)	
RNP 0.15 DA		496/45	400 (400-¾)	
RNP 0.30 DA		554/50	458 (500-1½)	

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

AUTHORIZATION REQUIRED

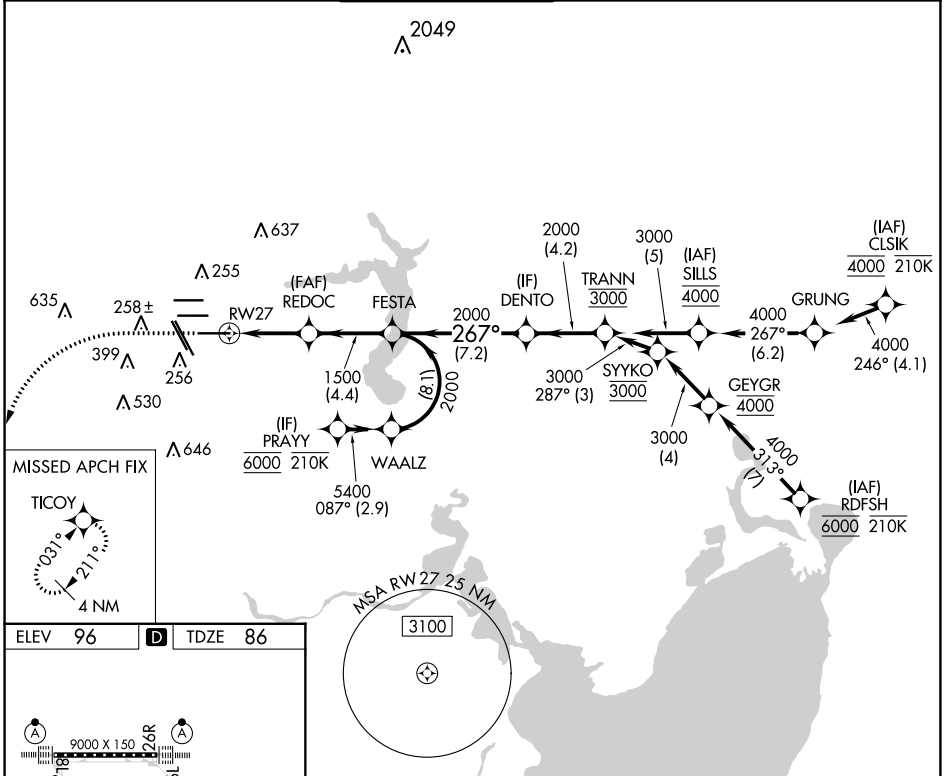
APP CRS	Rwy Idg	10000
267°	TDZE	86
	Apt Elev	96

RNAV (RNP) Y RWY 27

GEORGE BUSH INTCNL/HOUSTON (IAH)

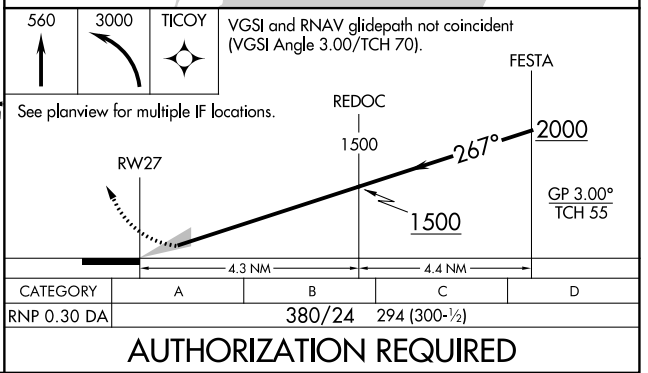
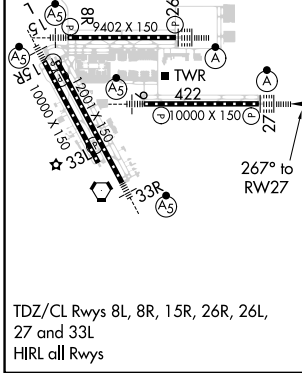
RNP AR APCH - GPS.		ALSF-2	MISSED APPROACH: Climb to 560 then climbing left turn to 3000 direct TICOY and hold.		
Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 4500.					

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	135.15 290.2	118.575	128.1	



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



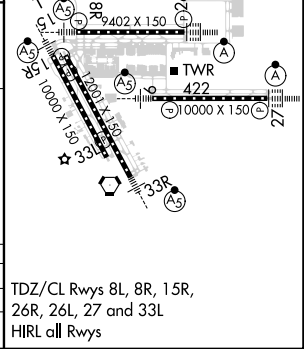
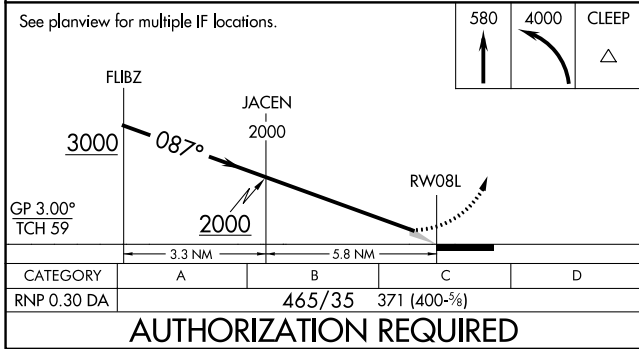
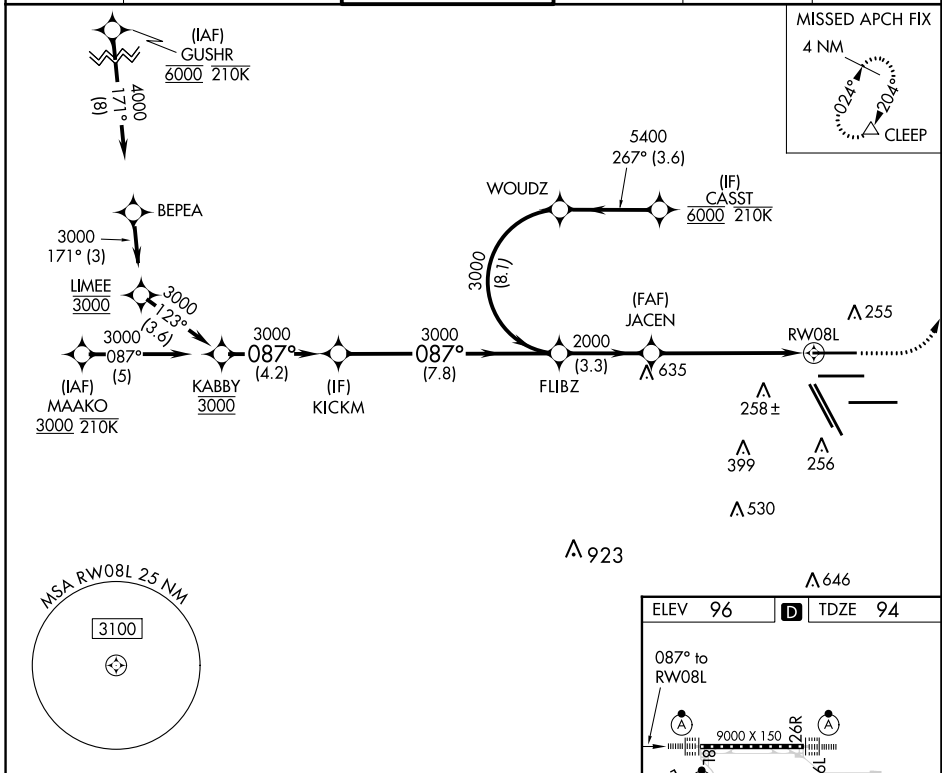
APP CRS	Rwy Idg	9000
087°	TDZE	94
	Apt Elev	96

RNAV (RNP) Y RWY 8L

GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP AR APCH-GPS.		ALSF-2	MISSED APPROACH: Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.
<p>Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -2°C or above 54°C. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For inop ALS, increase RNP 0.30 all Cats visibility to RVR 5500.</p>			

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	120.72 290.2	121.7	128.1	



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

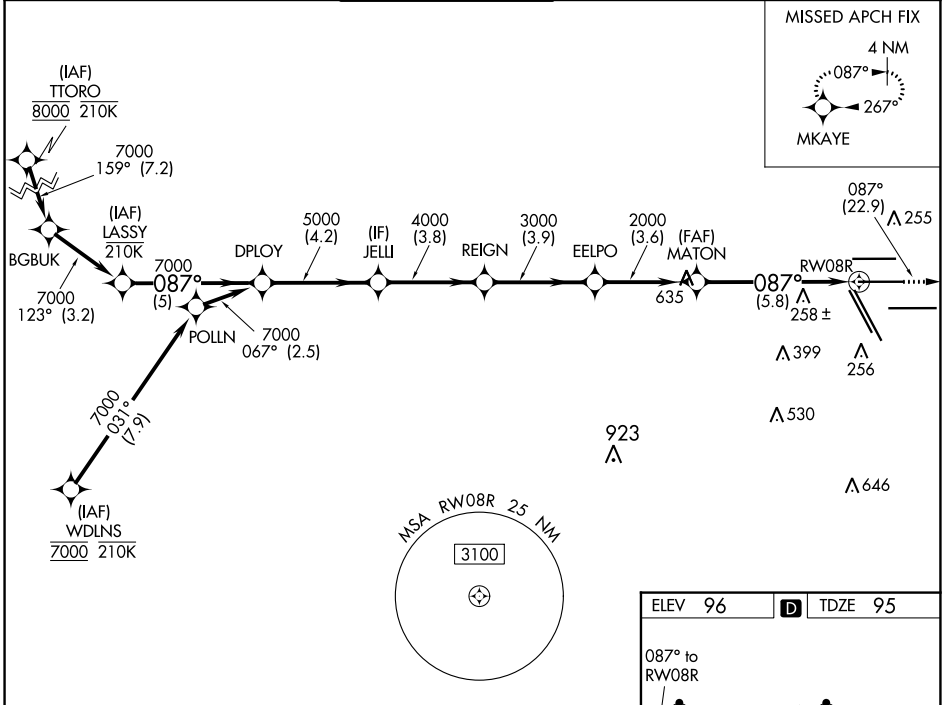
APP CRS	Rwy Idg	9402
087°	TDZE	95
	Apt Elev	96

RNAV (RNP) Y RWY 8R

GEORGE BUSH INTCNL/HOUSTON (IAH)

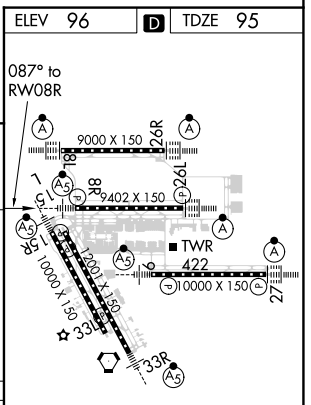
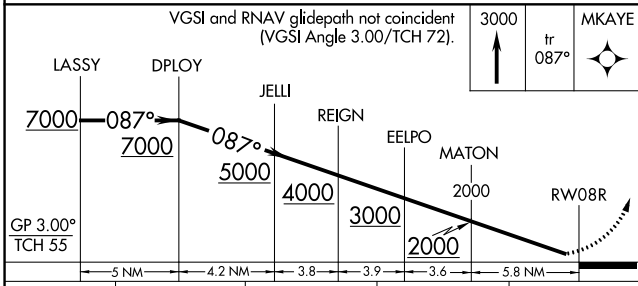
RNP AR APCH.		MALSRL	MISSED APPROACH: Climb to 3000 on track 087° to MKAYE and hold.	
<p>For uncompensated Baro-VNAV systems, procedure NA below -3°C or above 54°C. For inop ALS increase RNP 0.13 all Cats visibility to RVR 4500, RNP 0.14 all Cats visibility to RVR 5600, RNP 0.30 all Cats visibility to 1¼ SM. Simultaneous approach authorized.</p>				

D-ATIS	HOUSTON APP CON	HOUSTON TOWER	GND CON	CLNC DEL	CPDLC
124.05	120.05 379.1 EAST 124.35 316.15 WEST	125.35 290.2	118.575	128.1	



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



CATEGORY	A	B	C	D
RNP 0.13 DA		383/40	288 (300-¾)	
RNP 0.14 DA		441/40	346 (400-¾)	
RNP 0.30 DA		492/45	397 (400-¾)	

AUTHORIZATION REQUIRED

TDZ/CL Rwy 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

APP CRS	Rwy Idg	10000
087°	TDZE	91
	Apt Elev	96

RNAV (RNP) Y RWY 9

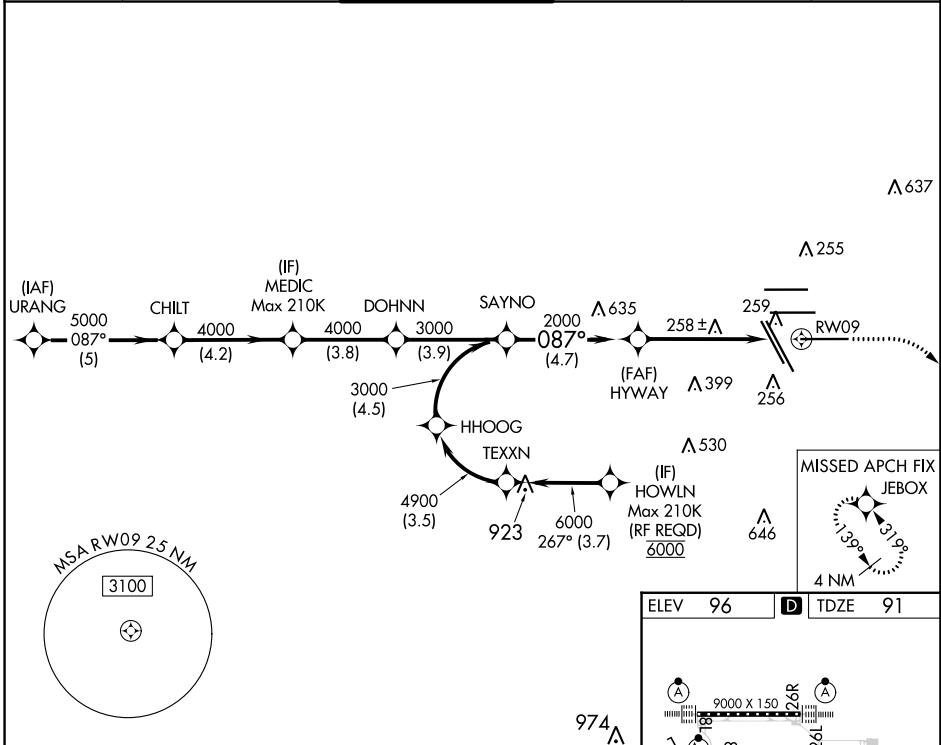
GEORGE BUSH INTCNL/HOUSTON (IAH)

▽ For uncompensated Baro-VNAV systems, procedure NA below -3°C (27°F) or above 54°C (130°F). GPS required. For inop MALSRL, increase all Cats visibility to 1 $\frac{3}{8}$ mile. Simultaneous approach authorized. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

MALSRL

MISSED APPROACH: Climb to 580 then climbing right turn to 3000 direct JEBOX and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

<p>VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 71).</p>	<table border="1" style="width: 100%;"> <tr> <td>ELEV</td> <td>96</td> <td>D</td> <td>TDZE</td> <td>91</td> </tr> </table>	ELEV	96	D	TDZE	91					
ELEV	96	D	TDZE	91							
AUTHORIZATION REQUIRED											
<table border="1" style="width: 100%;"> <tr> <td>CATEGORY</td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> </tr> <tr> <td>RNP 0.30 DA</td> <td colspan="4" style="text-align: center;">51.6 / 49 425 (500-1)</td> </tr> </table>		CATEGORY	A	B	C	D	RNP 0.30 DA	51.6 / 49 425 (500-1)			
CATEGORY	A	B	C	D							
RNP 0.30 DA	51.6 / 49 425 (500-1)										
<p>TDZ/CL Rwwys 8R, 8L, 15R, 26R, 26L, 27 and 33L HIRL all Rwwys</p>											

WAAS CH 49226 W26D	APP CRS 267°	Rwy Idg 9402 TDZE 95 Apt Elev 96
--	------------------------	---

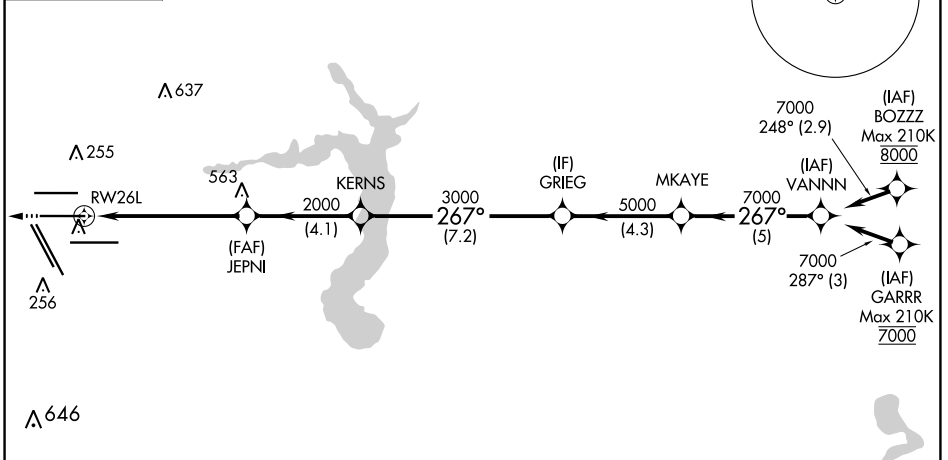
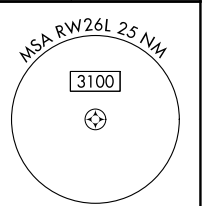
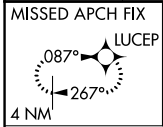
RNAV (GPS) Z RWY 26L

GEORGE BUSH INTCNL/HOUSTON (IAH)

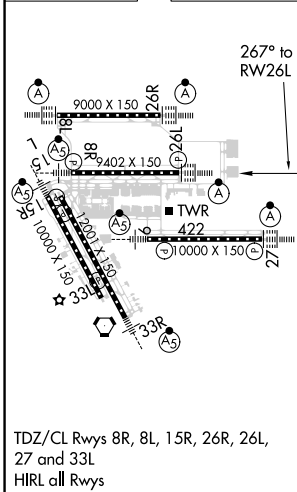
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½, and LNAV Cat E visibility to 1¾. DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 26R and Rwy 27. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2
 MISSED APPROACH:
 Climb to 3000 direct
 LUCEP and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



ELEV 96 **D** TDZE 95



TDZ/CL Rws 8R, 8L, 15R, 26R, 26L, 27 and 33L
 HIRL all Rws

RADAR REQUIRED

3000 LUCEP	VGSi and RNAV glidepath not coincident (VGSi Angle 3.00°/TCH 71).					
*LNAV only						
	1.6 NM	4.2 NM	4.1 NM	7.2 NM	4.3 NM	5 NM
CATEGORY	A	B	C	D	E	
LPV DA		295/18	200 (200-½)			
LNAV/VNAV DA		586/60	491 (500-1¼)			
LNAV MDA	680/24	585 (600-½)	680-1¼	585 (600-1¼)		

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

WAAS CH 97726 W26A	APP CRS 267°	Rwy Idg TDZE Apt Elev	9000 96 96
--	------------------------	-----------------------------	---------------------------------------

RNAV (GPS) Z RWY 26R

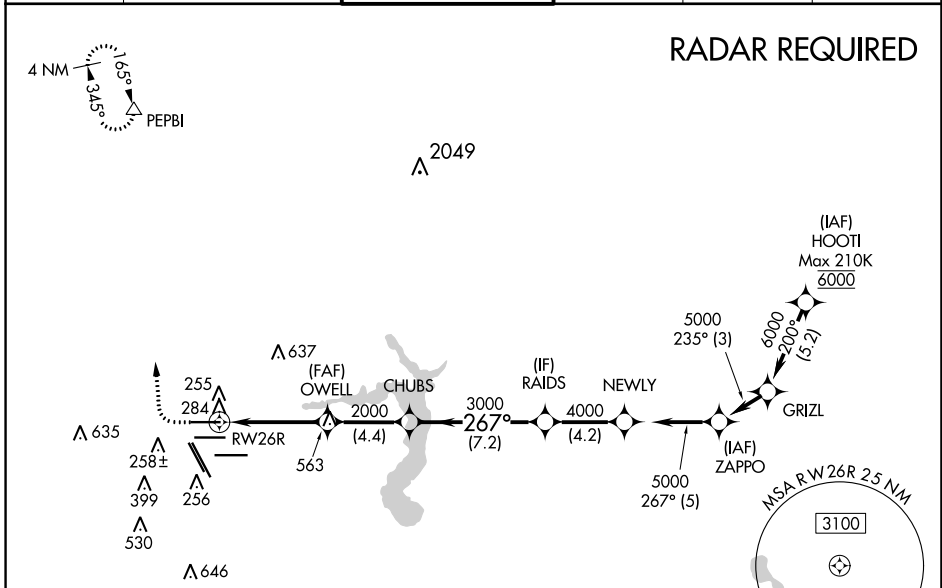
GEORGE BUSH INTCNTL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to 1¼, and LNAV Cat C/D/E visibility to 1¾. DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 26L and Rwy 27. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

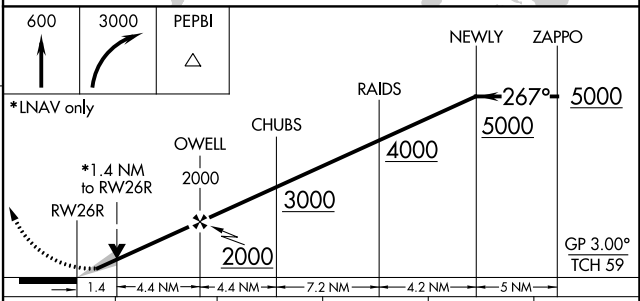
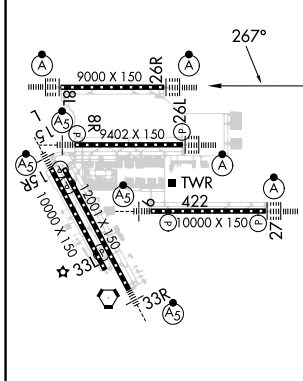


MISSED APPROACH: Climb to 600 then climbing right turn to 3000 direct PEPBI and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.72 290.2	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------



ELEV 96	D	TDZE 96
---------	----------	---------



CATEGORY	A	B	C	D	E
LPV DA		296/18	200 (200-½)		
LNAV/VNAV DA		496/42	400 (400-¾)		
LNAV MDA	600/24	504 (600-½)		600/55	504 (600-1)

TDZ/CL Rws 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rws

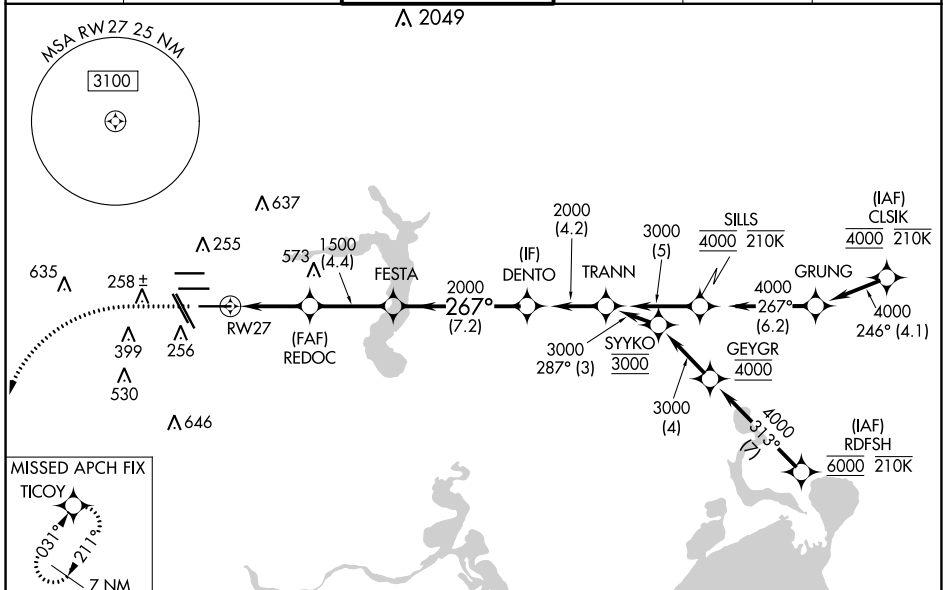
WAAS CH 69626 W27A	APP CRS 267°	Rwy Idg 10000 TDZE 86 Apt Elev 96
--	------------------------	--

RNAV (GPS) Z RWY 27

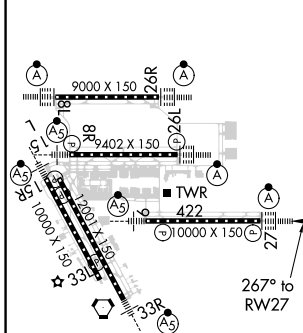
GEORGE BUSH INTCNL/HOUSTON (IAH)

RNP APCH.	<p>Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -2°C or above 54°C. For inop ALS, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to RVR 6000, and LNAV Cats C, D and E visibility to 1$\frac{3}{8}$ SM.</p>	<p>ALSF-2</p>	<p>MISSED APPROACH: Climb to 560 then climbing left turn to 3100 direct TICOY and hold.</p>
-----------	---	---------------	---

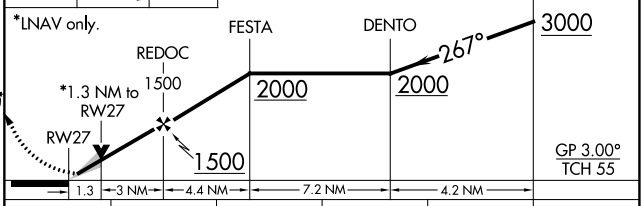
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



ELEV 96	D	TDZE 86
---------	----------	---------



560	3100	TICOY	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 70).
-----	------	-------	--



CATEGORY	A	B	C	D	E
LPV DA		286/18	200 (200- $\frac{1}{2}$)		
LNAV/VNAV DA		476/35	390 (400- $\frac{5}{8}$)		
LNAV MDA	560/24	474 (500- $\frac{1}{2}$)		560/50	474 (500-1)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

WAAS CH 77826 W08A	APP CRS 087°	Rwy Idg TDZE Apt Elev	9000 95 96
--	------------------------	-----------------------------	---------------------------------------

RNAV (GPS) Z RWY 8L

GEORGE BUSH INTCNL/HOUSTON (IAH)

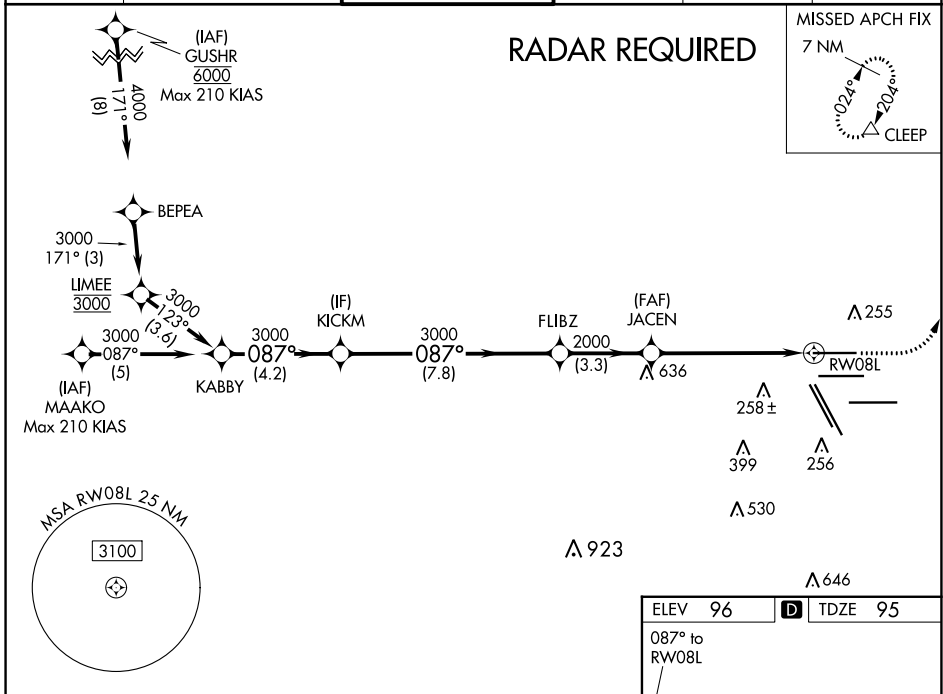
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop ALSF, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1¼, and LNAV Cat C/D/E visibility to 1¾. Simultaneous approach authorized with Rwy 8R and Rwy 9. DME/DME RNP-0.3 NA. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

ALSF-2



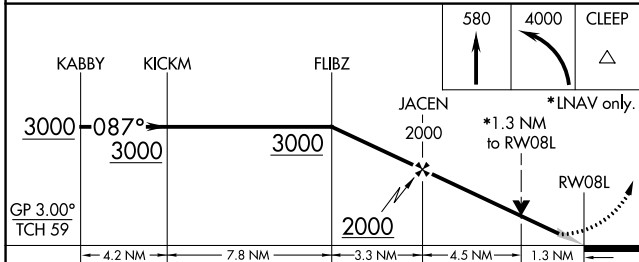
MISSED APPROACH: Climb to 580 then climbing left turn to 4000 direct CLEEP and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 120.72 290.2	GND CON 121.7	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	-------------------------	--------------------------	-------

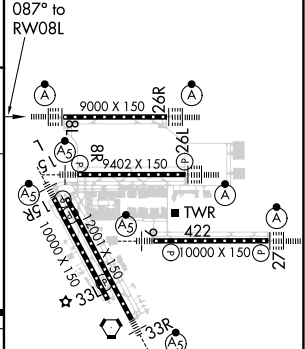


SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



ELEV 96	D TDZE 95
---------	------------------



CATEGORY	A	B	C	D	E
LPV DA		295/18	200 (200-½)		
LNAV/VNAV DA		486/40	391 (400-¾)		
LNAV MDA	580/24	485 (500-½)	580/50	485 (500-1)	

TDZ/CL Rwws 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwws

WAAS CH 53626 W08B	APP CRS 087°	Rwy Idg TDZE 96 Apt Elev 96	9402
--	------------------------	---	-------------

RNAV (GPS) Z RWY 8R

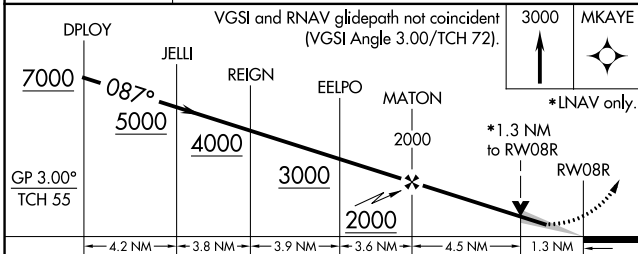
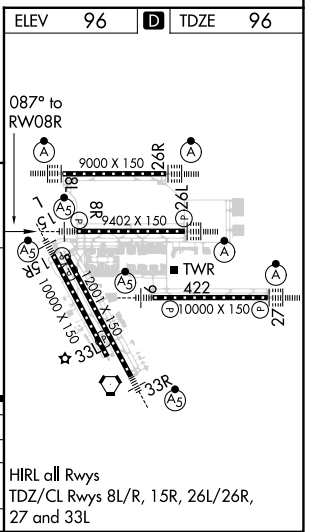
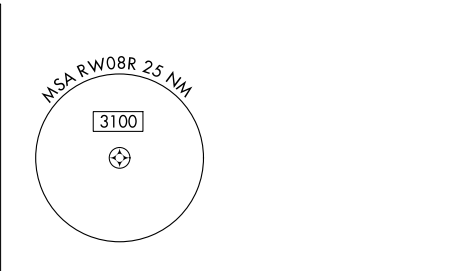
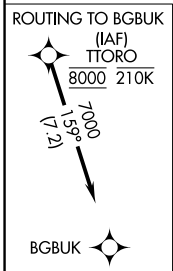
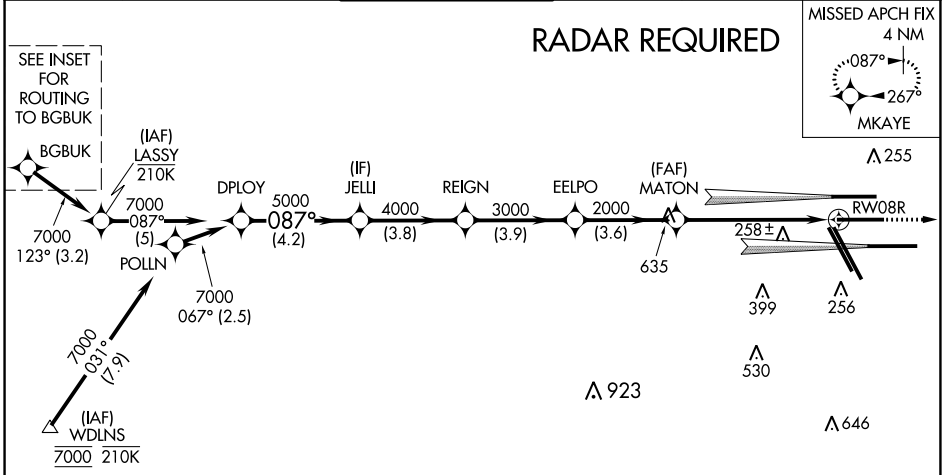
GEORGE BUSH INTCNL/HOUSTON (IAH)

▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALS/R, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV all Cats visibility to RVR 6000, and LNAV Cat C/D/E visibility to 1 $\frac{1}{2}$. Simultaneous approach authorized with Rwy 8L and Rwy 9. DME/DME RNP-0.3 NA. Use of FD or AP providing RNAV track guidance required during simultaneous operations. LNAV procedure NA during simultaneous operations.

MALS/R

MISSED APPROACH:
Climb to 3000 direct MKAYE and hold.

D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 125.35 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------



CATEGORY	A	B	C	D	E
LPV DA	296/18		200 (200- $\frac{1}{2}$)		
LNAV/VNAV DA	421/32		325 (400- $\frac{5}{8}$)		
LNAV MDA	580/24	484 (500- $\frac{1}{2}$)	580/50	484 (500-1)	

HIRL all Rwys
TDZ/CL Rwys 8L/R, 15R, 26L/26R, 27 and 33L

SC-5, 22 FEB 2024 to 21 MAR 2024


SC-5, 22 FEB 2024 to 21 MAR 2024

WAAS CH 72926 W09A	APP CRS 087°	Rwy Idg 10000 TDZE 91 Apt Elev 96
--	------------------------	--

RNAV (GPS) Z RWY 9

GEORGE BUSH INTCNL/HOUSTON (IAH)

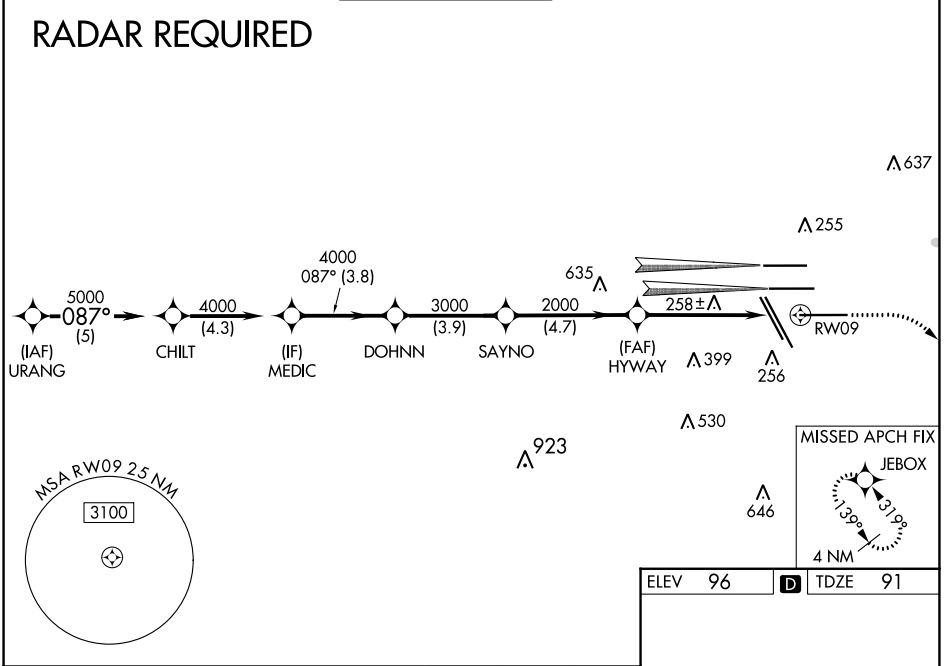
▼ For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -3°C (27°F) or above 54°C (130°F). For inop MALSR, increase LPV Cat E visibility to RVR 4000, LNAV/VNAV Cat E visibility to 1½ mile, and LNAV Cat C/D/E visibility to 1¾ mile. Simultaneous approach authorized with Rwy 8L/R. DME/DME RNP-0.3 NA. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations.
** RVR 1800 authorized with use of FD or AP or HUD to DA.

MALSR 

MISSED APPROACH: Climb to 580 then climbing right turn to 3000 direct JEBOX and hold.

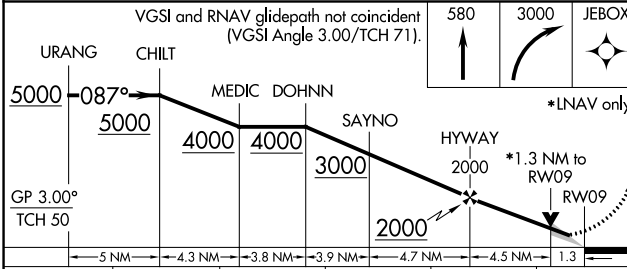
D-ATIS 124.05	HOUSTON APP CON 120.05 379.1 EAST 124.35 316.15 WEST	HOUSTON TOWER 135.15 290.2	GND CON 118.575	CLNC DEL 128.1	CPDLC
-------------------------	--	--------------------------------------	---------------------------	--------------------------	-------

RADAR REQUIRED



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024



ELEV 96	D TDZE 91
---------	------------------

087° to RWY 9

TDZ/CL Rwy's 8R, 8L, 15R, 26R, 26L, 27 and 33L
HIRL all Rwy's

CATEGORY	A	B	C	D	E
LPV DA**	291/24		200 (200-½)		
LNAV/VNAV DA	525/50		434 (500-1)		
LNAV MDA	580/24	489 (500-½)	580/50	489 (500-1)	

LAND AND HOLD-SHORT OPERATIONS (LAHSO)

LAHSO is an acronym for "Land and Hold-Short Operations." These operations include landing and holding short of an intersection runway, an intersecting taxiway, or other predetermined points on the runway other than a runway or taxiway. Measured distance represents the available landing distance on the landing runway, in feet.

Specific questions regarding these distances should be referred to the air traffic manager of the facility concerned. The Aeronautical Information Manual contains specific details on hold-short operations and markings.

CITY/AIRPORT	LDG RWY	HOLD-SHORT POINT	AVBL LDG DIST
HOUSTON, TX			
GEORGE BUSH INTCNTL/ HOUSTON (IAH)	26L 08R	TWY NE TWY NP	9,010 feet 9,019 feet

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. An entry may also be listed that contains only Takeoff Obstacle Notes. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or RADAR vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow RADAR vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) For aircraft, other than helicopters, having two engines or less – one statute mile visibility, (2) For aircraft having more than two engines – one-half statute mile visibility, (3) For helicopters – one-half statute mile visibility. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

ANAHUAC, TX

CHAMBERS COUNTY (T00)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10MAR11 (11069) (FAA)

TAKEOFF MINIMUMS:

Rwy 17,35, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

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.

ANGLETON/LAKE JACKSON, TX

TEXAS GULF COAST RGNL (LBX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 22JUN17 (17173) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 35, tree 1330' from DER, 797' left of centerline, 71' MSL.

Tree 1404' from DER, 796' left of centerline, 73' MSL.

Trees beginning 1467' from DER, 788' left of centerline, up to 75' MSL.

Tree 1474' from DER, 670' right of centerline, 72' MSL.

Tree 1516' from DER, 684' right of centerline, 73' MSL.

Tree 1578' from DER, 759' right of centerline, 74' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

BAY CITY, TX

BAY CITY RGNL (BYY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22JUN17 (17173) (FAA)

TAKEOFF OBSTACLE NOTES:

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

BAYTOWN, TX

BAYTOWN (HPY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 10OCT19 (19283) (FAA)

TAKEOFF MINIMUMS:

- Rwy 14**, 300-1 or std. w/min. climb of 460' per NM to 300.

TAKEOFF OBSTACLE NOTES:

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

RWJ AIRPARK (54T)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 25APR19 (19115) (FAA)

TAKEOFF MINIMUMS:

- Rwys 14, 32**, NA - Environmental.

TAKEOFF OBSTACLE NOTES:

- Rwy 8**, trees beginning 21' from DER, 152' left of centerline, up to 100' AGL/129' MSL.
Vehicle on road beginning 100' from DER, crossing centerline, up to 15' AGL/44' MSL.
Fence beginning abeam DER, 115' right of centerline, up to 6' AGL/35' MSL.
Trees beginning 133' from DER, 333' right of centerline, up to 100' AGL/129' MSL.
Buildings beginning 266' from DER, left and right of centerline, up to 30' AGL/59' MSL.
Power lines beginning 356' from DER, 460' left of centerline, up to 32' AGL/61' MSL.
Pole 663' from DER, 188' right of centerline, 100' AGL/129' MSL.
- Rwy 26**, buildings beginning 47' from DER, 118' right of centerline, up to 30' AGL/64' MSL.
Buildings beginning 187' from DER, 85' left of centerline, up to 30' AGL/64' MSL.
Power lines beginning 407' from DER, crossing centerline, up to 32' AGL/66' MSL.
Vehicle on road beginning 448' from DER, crossing centerline, up to 15' AGL/49' MSL.
Trees beginning 619' from DER, left and right of centerline, up to 100' AGL/134' MSL.
Quarry equipment 2800' from DER, 193' right of centerline, up to 100' AGL/134' MSL.

BEAUMONT, TX

BEAUMONT MUNI (BMT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JAN09 (09015) (FAA)

TAKEOFF MINIMUMS:

- Rwys 16,34**, NA - Obstacles.

TAKEOFF OBSTACLE NOTES:

- Rwy 13**, multiple trees, poles and buildings beginning 82' from DER, 2' left of centerline, up to 74' AGL/106' MSL.
Multiple trees, poles and signs beginning 441' from DER, 22' right of centerline, up to 73' AGL/105' MSL.
Vehicle on road 152' from DER, 428' left of centerline, 15' AGL/46' MSL.
Train on railroad 545' from DER, 506' right of centerline, 23' AGL/57' MSL.
- Rwy 31**, multiple trees, poles and transmission line towers beginning 81' from DER, 2' left of centerline, up to 64' AGL/94' MSL.
Multiple trees, poles, and transmission line towers beginning 241' from DER, 4' right of centerline, up to 56' AGL/88' MSL.
Train on railroad 375' from DER, 354' right of centerline, 23' AGL/55' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

BEAUMONT/PORT ARTHUR, TX

JACK BROOKS RGNL (BPT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 17DEC09 (09351) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 12, multiple trees beginning 1024' from DER, 202' left of centerline, up to 43' AGL/48' MSL.
Trees 1676' from DER, 778' right of centerline, 51' AGL/56' MSL.

Rwy 16, multiple trees beginning 580' from DER, 519' right of centerline, up to 51' AGL/56' MSL.

Rwy 30, trees 1005' from DER, 629' right of centerline, 54' AGL/64' MSL.

Multiple trees beginning 1041' from DER, 617' left of centerline, up to 67' AGL/77' MSL.

Rwy 34, building 770' from DER, 386' right of centerline, 28' AGL/38' MSL.

Multiple trees beginning 1274' from DER, 398' right of centerline, up to 70' AGL/80' MSL.

Multiple trees beginning 1288' from DER, 218' left of centerline, up to 72' AGL/82' MSL.

Tower 1487' from DER, 398' right of centerline, 60' AGL/75' MSL.

BRENHAM, TX

BRENHAM MUNI (11R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 11FEB10 (10042) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees and poles beginning 45' from DER, 272' right of centerline to 305' left of centerline, up to 89' AGL/299' MSL.

Rwy 34, trees beginning 18' from DER, 325' right of centerline to 380' left of centerline, up to 61' AGL/351' MSL.

BRYAN, TX

COULTER FLD (CFD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05JUL07 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, vehicle on road 266' from DER, on centerline, 17' AGL/386' MSL.

Multiple trees and poles beginning 169' from DER, 339' right of centerline, up to 20' AGL/389' MSL.

Multiple trees and poles beginning 203' from DER, 245' left of centerline, up to 35' AGL/400' MSL.

Rwy 33, multiple poles and T-L towers beginning 36' from DER, 207' left of centerline, up to 35' AGL/382' MSL.

Trees 508' from DER, 290' right of centerline, 25' AGL/371' MSL.

CALDWELL, TX

CALDWELL MUNI (RWV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20SEP12 (12264) (FAA)

TAKEOFF MINIMUMS:

Rwy 33, 300-1 or std. w/min. climb of 778' per NM to 800.

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 323' from DER, left and right of centerline, up to 40' AGL/399' MSL.

Train on tracks 372' from DER, left and right of centerline, up to 23' AGL/382' MSL.

Power lines beginning 1896' from DER, left and right of centerline, up to 100' AGL/499' MSL.

Rwy 33, trees beginning 5' from DER, left and right of centerline, up to 40' AGL/449' MSL.

Power lines beginning 925' from DER, left and right of centerline, up to 50' AGL/499' MSL.

Water tank 3624' from DER, 1031' left of centerline 215' AGL/648' MSL.

CENTER, TX

CENTER MUNI (F17)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 167° to 1000 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 17, numerous trees beginning 326' from DER, 432' right and left of centerline, up to 100' AGL/414' MSL.

Vehicle on road 234' from DER, 530' left of centerline, up to 15' AGL/314' MSL.

Rwy 35, numerous trees beginning 1724' from DER, 388' left and right of centerline, up to 100' AGL/459' MSL. Vehicle on road 1091' from DER, 742' right of centerline, up to 15' AGL/354' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

CLEVELAND, TX

CLEVELAND MUNI (6R3)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22SEP11 (11265) (FAA)

DEPARTURE PROCEDURE:

Rwy 16, climb heading 157° to 1400 before turning right.

Rwy 34, climb heading 312° to 2000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

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.

COLLEGE STATION, TX

EASTERWOOD FLD (CLL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4A 28FEB19 (21112) (FAA)

DEPARTURE PROCEDURE:

Rwy 35, climb heading 346° to 900 before turning right .

TAKEOFF OBSTACLE NOTES:

Rwy 11, traverse way 5' from DER, 275' right of centerline, 322' MSL.

Tree 8' from DER, 497' right of centerline, 40' AGL/346' MSL.

Tree 10' from DER, 323' right of centerline, 39' AGL/347' MSL.

Pole 10' from DER, 55' left of centerline, 2' AGL/312' MSL.

Tree, traverse way beginning 44' from DER, 162' right of centerline, up to 44' AGL/352' MSL.

Electrical system 139' from DER, 498' left of centerline, 315' MSL.

Tree 496' from DER, 30' left of centerline, 42' AGL/325' MSL.

Trees beginning 497' from DER, 101' left of centerline, up to 331' MSL.

Elevator, building beginning 1888' from DER, 704' left of centerline, up to 64' AGL/366' MSL.

Transmission line 2483' from DER, 1148' left of centerline, 374' MSL.

Rwy 29, pole 11' from DER, 55' right of centerline, 1' AGL/320' MSL.

Tree 30' from DER, 414' left of centerline, 322' MSL.

Tree 135' from DER, 530' left of centerline, 343' MSL.

Trees beginning 305' from DER, 533' left of centerline, up to 361' MSL.

Trees beginning 536' from DER, 561' right of centerline, up to 346' MSL.

Tree 838' from DER, 665' right of centerline, 348' MSL.

Trees beginning 1010' from DER, 371' left of centerline, up to 362' MSL.

Pole beginning 1083' from DER, 692' right of centerline, up to 358' MSL.

Trees beginning 1174' from DER, 244' left of centerline, up to 363' MSL.

Tree, pole beginning 1257' from DER, 251' left of centerline, up to 365' MSL.

Trees beginning 1429' from DER, 420' right of centerline, up to 366' MSL.

Trees beginning 1542' from DER, 528' right of centerline, up to 370' MSL.

Pole beginning 1735' from DER, 278' left of centerline, up to 42' AGL/367' MSL.

Trees beginning 1865' from DER, 87' right of centerline, up to 379' MSL.

Tree, pole beginning 1879' from DER, 37' left of centerline, up to 49' AGL/369' MSL.

Trees beginning 1945' from DER, 65' left of centerline, up to 48' AGL/371' MSL.

Tree 2059' from DER, 378' left of centerline, 372' MSL.

Rwy 35, pole 11' from DER, 55' left of centerline, 1' AGL/321' MSL.

Sign 23' from DER, 251' left of centerline, 322' MSL.

Tree 232' from DER, 552' left of centerline, 38' AGL/361' MSL.

Trees beginning 297' from DER, 460' left of centerline, up to 41' AGL/364' MSL.

Tree 774' from DER, 598' right of centerline, 341' MSL.

Tree 808' from DER, 607' right of centerline, 349' MSL.

Tree, building beginning 883' from DER, 235' left of centerline, up to 366' MSL.

Tree 1085' from DER, 649' right of centerline, 355' MSL.

Tree 1181' from DER, 719' right of centerline, 356' MSL.

Pole 1552' from DER, 818' left of centerline, 376' MSL.

Trees beginning 1740' from DER, 751' left of centerline, up to 380' MSL.

CROCKETT, TX

HOUSTON COUNTY (DKR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15DEC11 (11349) (FAA)

TAKEOFF MINIMUMS:

Rwy 2, 400-2 or std. w/min. climb of 280' per NM to 800.

Rwy 20, 300-1½ or std. w/min. climb of 459' per NM to 700.

TAKEOFF OBSTACLE NOTES:

Rwy 2, multiple trees beginning 57' from DER, 61' right of centerline, up to 50' AGL/399' MSL.

Multiple trees and terrain beginning 27' from DER, 109' left of centerline, up to 50' AGL/409' MSL.

Tower 1.5 NM from DER, 2864' left of centerline 233' AGL/623' MSL.

Rwy 20, multiple towers beginning 4567' from DER, 1025' right of centerline, up to 200' AGL/529' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

EAGLE LAKE, TX

EAGLE LAKE (ELA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05DEC19 (19339) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 300-2¼, or std. w/min. climb of 210' per NM to 400.

TAKEOFF OBSTACLE NOTES:

Rwy 17, vehicles on road, tree, vegetation beginning 38' from DER, 126' left of centerline, up to 197' MSL.

Tree 153' from DER, 110' left of centerline, 202' MSL.

Vehicles on road, tree beginning 155' from DER, 6' right of centerline, up to 197' MSL.

Trees beginning 155' from DER, 12' left of centerline, up to 36' AGL/216' MSL.

Trees, vehicles on road beginning 216' from DER, 205' right of centerline, up to 212' MSL.

Trees beginning 270' from DER, 357' left of centerline, up to 40' AGL/220' MSL.

Tree 1682' from DER, 458' left of centerline, 233' MSL.

Tower 2588' from DER, 792' left of centerline, 192' AGL/317' MSL.

Tower 1.7 NM from DER, 3144' right of centerline, 270' AGL/443' MSL.

Rwy 35, terrain beginning 5' from DER, 287' left of centerline, up to 186' MSL.

Terrain 9' from DER, 270' right of centerline, 185' MSL.

Trees beginning 96' from DER, 271' right of centerline, up to 17' AGL/199' MSL.

Vegetation 116' from DER, 366' left of centerline, 193' MSL.

Trees, vehicles on road, pole beginning 323' from DER, 127' left of centerline, up to 219' MSL.

Tree 641' from DER, 21' right of centerline, 200' MSL.

Tree 696' from DER, 31' right of centerline, 202' MSL.

Tree, vehicles on road beginning 702' from DER, 16' right of centerline, up to 207' MSL.

Pole 1055' from DER, 441' right of centerline, 219' MSL.

Tree, poles beginning 1062' from DER, 580' right of centerline, up to 223' MSL.

EDNA, TX

JACKSON COUNTY (26R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10DEC15 (15344) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 15, trees beginning 758' from DER, left and right of centerline, up to 20' AGL/84' MSL.

Rwy 33, vehicle on road beginning 292' from DER, 576' left of centerline, up to 15' AGL/79' MSL.

Power poles beginning 783' from DER, 397' left of centerline, 40' AGL/104' MSL.

Power pole 1169' from DER, 506' right of centerline, 40' AGL/104' MSL.

GALVESTON, TX

SCHOLES INTL AT GALVESTON (GLS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 22AUG13 (13234) (FAA)

DEPARTURE PROCEDURE:

Rwy 32, climb heading 318° to 800 before turning left.

TAKEOFF OBSTACLE NOTES:

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.

GIDDINGS, TX

GIDDINGS-LEE COUNTY (GYB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 29JUL10 (10210) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, numerous trees beginning 720' from DER, 58' right of centerline, up to 50' AGL/479' MSL.

Numerous trees beginning 754' from DER, 340' left of centerline, up to 50' AGL/479' MSL.

Rwy 35, numerous trees beginning 613' from DER, 272' right of centerline, up to 50' AGL/539' MSL.

Numerous trees beginning 558' from DER, 265' left of centerline, up to 50' AGL/559' MSL.

Vehicle on road 516' from DER, 246' left of centerline, 15' AGL/514' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

HOUSTON, TX

CONROE/NORTH HOUSTON RGNL (CXO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 22JUN17 (21336) (FAA)

TAKEOFF OBSTACLE NOTES:

- Rwy 1**, tree 829' from DER, 548' right of centerline, 297' MSL.
- Tree 1252' from DER, 553' right of centerline, 312' MSL.
- Trees beginning 1609' from DER, 300' left of centerline, up to 322' MSL.
- Trees beginning 3635' from DER, 464' left of centerline, up to 327' MSL.
- Tree 3830' from DER, 580' right of centerline, 347' MSL.
- Tree 4658' from DER, 135' right of centerline, 348' MSL.
- Rwy 14**, NAVAID 399' from DER, 266' right of centerline, 20' AGL/255' MSL.
- Tree 1478' from DER, 691' right of centerline, 291' MSL.
- Tree 1653' from DER, 682' left of centerline, 294' MSL.
- Tree 2129' from DER, 80' right of centerline, 306' MSL.
- Tree 2153' from DER, 407' left of centerline, 300' MSL.
- Rwy 19**, tree 1' from DER, 474' left of centerline, 292' MSL.
- Trees beginning 16' from DER, 264' left of centerline, up to 295' MSL.
- Tree 67' from DER, 322' right of centerline, 263' MSL.
- Trees beginning 855' from DER, 324' right of centerline, up to 303' MSL.
- Trees beginning 2139' from DER, 65' right of centerline, up to 316' MSL.
- Trees beginning 2365' from DER, 331' left of centerline, up to 312' MSL.
- Trees beginning 2475' from DER, 158' left of centerline, up to 315' MSL.
- Tree 3423' from DER, 123' right of centerline, 323' MSL.

DAVID WAYNE HOOKS MEML (DWH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 20APR23 (23110) (FAA)

TAKEOFF MINIMUMS:

- Rwys 17L, 35R**, NA-Environmental.
- Waterways 17, 35**, NA-Air traffic.

TAKEOFF OBSTACLE NOTES:

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

ELLINGTON (EFD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 10JAN13 (13010) (FAA)

TAKEOFF MINIMUMS:

- Rwy 22**, 200-1% or std w/min. climb of 214' per NM to 300, or alternatively with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1400' prior to DER.

TAKEOFF OBSTACLE NOTES:

- Rwy 4**, tree 1526' from DER, 737' right of centerline, 39' AGL/69' MSL.
- Rwy 17R**, pole 1488' from DER, 817' right of centerline, 40' AGL/74' MSL.
- Rwy 22**, obstruction light on GS 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 communication 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.

CON'T

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

HOUSTON, TX (CON'T)

ELLINGTON (EFD) (CON'T)

- Rwy 35L**, trees beginning 1119' from DER, 679' right of centerline, up to 37' AGL/77' MSL.
Crane 2353' from DER, 1024' left of centerline, 58' AGL/97' MSL.
Rwy 35R, tree 1597' from DER, 32' left of centerline, 50' AGL/80' MSL.
Tank 2639' from DER, 1157' right of centerline, 77' AGL/109' MSL.

GEORGE BUSH INTCNL/HOUSTON (IAH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05JUN08 (21112) (FAA)

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 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.

HOUSTON EXEC (TME)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30AUG07 (21112) (FAA)

DEPARTURE PROCEDURE:

- Rwy 36**, climb heading 355° to 700 before turning east.

TAKEOFF OBSTACLE NOTES:

- 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 (AXH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 05JUN08 (21336) (FAA)

DEPARTURE PROCEDURE:

- Rwy 9**, climb heading 089° to 2000 before turning left.
Rwy 27, climb heading 269° to 2200 before turning right.

TAKEOFF OBSTACLE NOTES:

- 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 and 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.

PEARLAND RGNL (LVJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 03APR14 (14093) (FAA)

DEPARTURE PROCEDURE:

- Rwy 14**, climb heading 142° to 1600 before turning right.
Rwy 32, climb heading 322° to 700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

- Rwy 14**, vehicles on road beginning 11' from DER, 450' right of centerline, up to 15' AGL/54' MSL.
Hangars 99' from DER, 521' left of centerline, up to 13' AGL/53' MSL.
Trees beginning 102' from DER, 328' left of centerline, up to 27' AGL/71' MSL.
Trees beginning 199' from DER, 307' right of centerline, up to 64' AGL/98' MSL.
Vehicles on road beginning 364' from DER, left and right of centerline, up to 15' AGL/59' MSL.
Trees beginning 618' from DER, 331' left of centerline, up to 32' AGL/71' MSL.
Trees beginning 983' from DER, 94' right of centerline, up to 20' AGL/90' MSL.
Trees beginning 1251' from DER, 72' left of centerline, up to 60' AGL/94' MSL.
Rwy 32, multiple trees beginning 30' from DER, 142' right of centerline, up to 59' AGL/100' MSL.
Multiple trees beginning 41' from DER, 200' left of centerline, up to 74' AGL/118' MSL.
Pole 68' from DER, 107' right of centerline, 26' AGL/70' MSL.
Multiple buildings and poles beginning 103' from DER, 235' right of centerline, up to 34' AGL/78' MSL.
Vehicles on road 513' from DER, left and right of centerline, 15' AGL/59' MSL.
Multiple poles and trees beginning 605' from DER, left and right of centerline up to 84' AGL/128' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

HOUSTON, TX (CON'T)

SUGAR LAND RGNL (SGR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7A 20SEP12 (12264) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 170° to 1500 before turning eastbound.

Rwy 35, climb heading 350° to 1100 before turning southbound.

TAKEOFF OBSTACLE NOTES:

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.

WEST HOUSTON (IWS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 20SEP12 (12264) (FAA)

TAKEOFF OBSTACLE NOTES:

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 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.

WILLIAM P HOBBY (HOU)

AMDT 7A 07OCT21 (21280) (FAA)

TAKEOFF MINIMUMS:

Rwy 22, std. w/min. climb of 290' per NM to 2700.

DEPARTURE PROCEDURE:

Rwys 31L/R, climb on heading 311° to 800 before turning westbound.

TAKEOFF OBSTACLE NOTES:

Rwy 4, lighting beginning 2' from DER, 85' left of centerline, up to 1' AGL/39' MSL.

Lighting beginning 2' from DER, 84' right of centerline, up to 1' AGL/39' MSL.

Lighting beginning 9' from DER, 4' left of centerline, up to 1' AGL/40' MSL.

Lighting beginning 9' from DER, 5' right of centerline, up to 1' AGL/40' MSL.

Building 1562' from DER, 858' right of centerline, 69' AGL/103' MSL.

Tree 2399' from DER, 154' left of centerline, 66' AGL/99' MSL.

Pole beginning 4403' from DER, 767' right of centerline, up to 121' AGL/166' MSL.

Rwy 13L, tree, lighting, sign beginning 3' from DER, 39' right of centerline, up to 75' AGL/115' MSL.

Lighting beginning 9' from DER, 39' left of centerline, up to 1' AGL/40' MSL.

Sign 26' from DER, 149' left of centerline, 2' AGL/42' MSL.

Trees, building, tree beginning 174' from DER, 9' left of centerline, up to 75' AGL/115' MSL.

Trees beginning 423' from DER, 24' right of centerline, up to 75' AGL/118' MSL.

Trees beginning 2389' from DER, 55' left of centerline, up to 75' AGL/118' MSL.

Trees 2448' from DER, 1149' right of centerline, 75' AGL/121' MSL.

Rwy 13R, lighting beginning 12' from DER, 85' right of centerline, up to 1' AGL/42' MSL.

Lighting beginning 12' from DER, 94' left of centerline, up to 1' AGL/42' MSL.

Lighting 41' from DER, 115' left of centerline, 3' AGL/44' MSL.

Lighting 42' from DER, 114' right of centerline, 2' AGL/43' MSL.

Fence 87' from DER, 492' left of centerline, 7' AGL/45' MSL.

Traverse way 178' from DER, 497' left of centerline, 55' MSL.

Traverse way 516' from DER, 542' right of centerline, 55' MSL.

Pole, tree beginning 752' from DER, 686' left of centerline, up to 50' AGL/90' MSL.

Trees beginning 1113' from DER, 737' right of centerline, up to 58' AGL/98' MSL.

Tree 1930' from DER, 905' left of centerline, 50' AGL/92' MSL.

Tree 2313' from DER, 948' right of centerline, 58' AGL/101' MSL.

Tree 2365' from DER, 1030' right of centerline, 59' AGL/105' MSL.

Tree 2716' from DER, 1128' right of centerline, 70' AGL/117' MSL.

Rwy 22, lighting beginning 5' from DER, 84' right of centerline, up to 1' AGL/43' MSL.

Pole, tree beginning 727' from DER, 626' right of centerline, up to 34' AGL/77' MSL.

Pole 1353' from DER, 776' left of centerline, 38' AGL/82' MSL.

Pole 1804' from DER, 968' right of centerline, 64' AGL/109' MSL.

Pole 2942' from DER, 1189' right of centerline, 72' AGL/117' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

HOUSTON, TX (CON'T)

WILLIAM P HOBBY (HOU) (CON'T)

Rwy 31L, lighting 9' from DER, 94' right of centerline, 1' AGL/45' MSL.
Lighting beginning 9' from DER, 85' left of centerline, up to 1' AGL/45' MSL.
Electrical system 135' from DER, 482' left of centerline, 7' AGL/50' MSL.
Pole 190' from DER, 508' left of centerline, 40' AGL/83' MSL.
Pole, building beginning 359' from DER, 411' left of centerline, up to 39' AGL/84' MSL.
Building 547' from DER, 273' right of centerline, 27' AGL/69' MSL.
Tree 1391' from DER, 466' left of centerline, 89' MSL.
Tree 2585' from DER, 702' left of centerline, 83' AGL/121' MSL.
Rwy 31R, sign beginning 29' from DER, 82' left of centerline, up to 2' AGL/47' MSL.
Trees, pole beginning 60' from DER, 308' right of centerline, up to 75' AGL/121' MSL.
Building 499' from DER, 525' left of centerline, 27' AGL/69' MSL.

HUNTSVILLE, TX

HUNTSVILLE MUNI (UTS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES DEPARTURE PROCEDURE:

Rwy 18, climb runway heading to 700 before turning.

JACKSONVILLE, TX

CHEROKEE COUNTY (JSO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16FEB06 (06047) (FAA)

DEPARTURE PROCEDURE:

Rwy 14, climb via heading 135° to 1200 before proceeding on course.

JASPER, TX

JASPER COUNTY/BELL FLD (JAS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27AUG09 (21336) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 2081' from DER, 118' left of centerline, up to 100' AGL/327' MSL.
Trees beginning 690' from DER, 87' right of centerline, up to 100' AGL/329' MSL.
Rwy 36, hangar 320' from DER, 504' left of centerline, 27' AGL/236' MSL.
Trees beginning 534' from DER, 139' left of centerline, up to 100' AGL/329' MSL.
Pole 1968' from DER, 409' left of centerline, 33' AGL/262' MSL.
Bush 94' from DER, 476' right of centerline, 8' AGL/217' MSL.
Trees beginning 514' from DER, 6' right of centerline, up to 100' AGL/354' MSL.
Hangar 1176' from DER, 675' right of centerline, 30' AGL/249' MSL.
Tower 1246' from DER, 611' right of centerline, 40' AGL/258' MSL.

KOUNTZE/SILSBEE, TX

HAWTHORNE FLD (45R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 14FEB08 (21280) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 13, terrain 3' from DER, 81' right of centerline, 0' AGL/69' MSL.
Trees beginning 64' from DER, 277' right of centerline, up to 50' AGL/119' MSL.
Tree 111' from DER, 516' left of centerline, 50' AGL/124' MSL.
Terrain 172' from DER, 119' left of centerline, 0' AGL/74' MSL.
Rwy 31, terrain 109' from DER, 134' left of centerline, 0' AGL/74' MSL.
Tree 536' from DER, 457' right of centerline, 50' AGL/114' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

LA GRANGE, TX

FAYETTE RGNL AIR CENTER (3T5)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 13SEP18 (18256) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees, terrain beginning 146' from DER, 389' right of centerline, up to 45' AGL/378' MSL.
Vehicles on traverse way beginning 199' from DER, 481' left of centerline, up to 15' AGL/336' MSL.
Trees beginning 246' from DER, 454' right of centerline, up to 47' AGL/381' MSL.
Tree 525' from DER, 533' right of centerline, 49' AGL/383' MSL.
Tree 570' from DER, 540' left of centerline, 35' AGL/355' MSL.
Tree, building beginning 760' from DER, 527' right of centerline, up to 45' AGL/384' MSL.
Tree 769' from DER, 569' left of centerline, 43' AGL/361' MSL.
Tree 880' from DER, 524' right of centerline, 45' AGL/386' MSL.
Tree, pole, catenary beginning 926' from DER, 589' right of centerline, up to 48' AGL/390' MSL.
Tree 945' from DER, 532' left of centerline, 45' AGL/364' MSL.
Trees beginning 1005' from DER, 367' left of centerline, up to 46' AGL/365' MSL.
Tree 1183' from DER, 632' right of centerline, 49' AGL/396' MSL.
Trees beginning 1319' from DER, 259' left of centerline, up to 44' AGL/369' MSL.
Trees beginning 1465' from DER, 297' right of centerline, up to 56' AGL/406' MSL.
Trees beginning 1467' from DER, 28' left of centerline, up to 48' AGL/380' MSL.
Tree 1570' from DER, 652' right of centerline, 54' AGL/407' MSL.
Tree, catenary, pole beginning 1625' from DER, 32' right of centerline, up to 56' AGL/411' MSL.
Tree 2052' from DER, 188' left of centerline, 34' AGL/381' MSL.
Tree 2111' from DER, 523' left of centerline, 42' AGL/382' MSL.
Trees beginning 2456' from DER, 51' left of centerline, up to 44' AGL/399' MSL.
Trees beginning 2599' from DER, 5' right of centerline, up to 60' AGL/415' MSL.
Rwy 34, trees beginning 35' from DER, 322' left of centerline, up to 53' AGL/358' MSL.
Tree 200' from DER, 482' right of centerline, 13' AGL/315' MSL.
Tree 262' from DER, 335' right of centerline, 24' AGL/326' MSL.
Trees beginning 310' from DER, 361' right of centerline, up to 29' AGL/331' MSL.
Tree 494' from DER, 396' left of centerline, 58' AGL/360' MSL.
Tree, pole, catenary beginning 513' from DER, 205' left of centerline, up to 61' AGL/365' MSL.
Trees beginning 634' from DER, 389' right of centerline, up to 52' AGL/352' MSL.
Trees beginning 799' from DER, 162' right of centerline, up to 55' AGL/353' MSL.

LA PORTE, TX

LA PORTE MUNI (T41)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 29MAY14 (14149) (FAA)

DEPARTURE PROCEDURE:

Rwy 5, climb heading 046° to 500 before proceeding on course.

Rwy 12, climb heading 121° to 500 before turning right.

Rwy 30, climb heading 301° to 700 before turning right.

TAKEOFF OBSTACLE NOTES:

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.
Building 675' from DER, 411' right of centerline, up to 32' AGL/55' MSL.
Trees beginning 888' from DER, 113' right of centerline, up to 43' AGL/63' MSL.
Rwy 23, buildings beginning 30' from DER, 242' left of centerline, up to 30' AGL/54' MSL.
Buildings beginning 231' from DER, 134' right of centerline, up to 30' AGL/54' MSL.
Trees beginning 243' from DER, 494' right of centerline, up to 67' AGL/91' MSL.
Poles beginning 363' from DER, left and right of centerline, up to 40' AGL/64' MSL.
Vehicle on road beginning 493' from DER, 562' left of centerline, up to 15' AGL/39' MSL.
Trees beginning 570' 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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

LIBERTY, TX

LIBERTY MUNI (T78)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29MAY14 (14149) (FAA)

DEPARTURE PROCEDURE:

Rwy 16, climb heading 161° to 1700 before turning left.

Rwy 34, climb heading 341° to 1000 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 16, hangars beginning 4' from DER, 340' right of centerline, up to 21' AGL/91' MSL.

Tree 273' from DER, 401' right of centerline, 28' AGL/96' MSL.

Trees beginning 1067' from DER, 122' left of centerline, up to 76' AGL/146' MSL.

Trees and poles beginning 1166' from DER, 48' right of centerline, up to 85' AGL/155' MSL.

Rwy 34, trees beginning 176' from DER, 262' left of centerline, up to 52' AGL/117' MSL.

Poles beginning 427' from DER, 318' right of centerline, up to 40' AGL/105' MSL.

Poles beginning 451' from DER, 236' left of centerline, up to 39' AGL/106' MSL.

Trees beginning 758' from DER, 101' right of centerline, up to 101' AGL/166' MSL.

Trees beginning 1953' from DER, 40' left of centerline, up to 96' AGL/161' MSL.

LIVINGSTON, TX

LIVINGSTON MUNI (00R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05MAY11 (11125) (FAA)

DEPARTURE PROCEDURE:

Rwy 12, climb heading 125° to 1700 before proceeding on course.

Rwy 30, climb heading 305° to 800 before turning south.

TAKEOFF OBSTACLE NOTES:

Rwy 12, trees beginning at DER, right and left of centerline, up to 100' AGL/249' MSL.

Rwy 30, vehicle on road 10' from DER, 492' right of centerline, 10' AGL/159' MSL.

Trees beginning 260' from DER, 304' right of centerline, up to 100' AGL/249' MSL.

LUFKIN, TX

ANGELINA COUNTY (LFK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07DEC17 (17341) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 7, trees beginning 109' from DER, 333' right of centerline, up to 354' MSL.

Trees beginning 358' from DER, 293' left of centerline, up to 350' MSL.

Trees beginning 467' from DER, 452' right of centerline, up to 365' MSL.

Trees beginning 513' from DER, 302' left of centerline, up to 381' MSL.

Tree 1470' from DER, 328' right of centerline, 366' MSL.

Trees beginning 1477' from DER, 483' right of centerline, up to 367' MSL.

Trees beginning 1599' from DER, 36' left of centerline, up to 387' MSL.

Trees beginning 1618' from DER, 274' right of centerline, up to 369' MSL.

Trees beginning 1636' from DER, 42' right of centerline, up to 376' MSL.

Trees beginning 1977' from DER, 44' right of centerline, up to 379' MSL.

Trees beginning 3207' from DER, 1351' left of centerline, up to 391' MSL.

Tree 3787' from DER, 965' left of centerline, 395' MSL.

Trees beginning 3798' from DER, 1035' left of centerline, up to 403' MSL.

Rwy 16, trees beginning 6' from DER, 384' left of centerline, up to 56' AGL/324' MSL.

Tree 138' from DER, 529' right of centerline, 284' MSL.

Trees beginning 184' from DER, 3' left of centerline, up to 79' AGL/344' MSL.

Tree 260' from DER, 229' right of centerline, 289' MSL.

Tree, rd (n) beginning 264' from DER, 164' right of centerline, up to 320' MSL.

Trees beginning 1333' from DER, 388' right of centerline, up to 324' MSL.

Trees beginning 1932' from DER, 49' right of centerline, up to 327' MSL.

Tree 2612' from DER, 448' right of centerline, 90' AGL/342' MSL.

Rwy 25, tree 265' from DER, 511' right of centerline, 302' MSL.

Trees beginning 403' from DER, 283' right of centerline, up to 354' MSL.

Trees beginning 407' from DER, 555' left of centerline, up to 299' MSL.

Trees beginning 1375' from DER, 605' left of centerline, up to 328' MSL.

Tree 1627' from DER, 629' left of centerline, 330' MSL.

Tree 2655' from DER, 144' left of centerline, 353' MSL.

Tree 3109' from DER, 417' right of centerline, 362' MSL.

Rwy 34, sign 20' from DER, 200' left of centerline, 1' AGL/290' MSL.

Ldg 48' from DER, 457' right of centerline, 303' MSL.

Tree 95' from DER, 328' right of centerline, 330' MSL.

Trees beginning 166' from DER, 314' right of centerline, up to 54' AGL/338' MSL.

Pole and trees beginning 344' from DER, 310' right of centerline, up to 346' MSL.

Vehicles on road 571' from DER, 3' left of centerline, 312' MSL.

Vehicle on road beginning 579' from DER, 75' right of centerline, up to 306' MSL.

Trees beginning 602' from DER, 166' left of centerline, up to 367' MSL.

Trees beginning 620' from DER, 446' right of centerline, up to 354' MSL.

Tree, pole beginning 809' from DER, 230' right of centerline, up to 361' MSL.

Trees beginning 1249' from DER, 233' right of centerline, up to 364' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

MADISONVILLE, TX

MADISONVILLE MUNI (51R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 31MAY12 (12152) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, multiple trees and power poles beginning at DER, 179' right of centerline, up to 50' AGL/310' MSL.

Multiple trees and power poles beginning at DER, 200' left of centerline, up to 50' AGL/309' MSL.

Rwy 36, multiple trees and power poles beginning 99' from DER, 50' left of centerline, up to 50' AGL/341' MSL. Multiple trees beginning 50' from DER, 75' right of centerline, up to 50' AGL/ 346' MSL.

MARLIN, TX

MARLIN (T15)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10JAN13 (13010) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 17, power lines beginning 411' from DER, left and right of centerline, up to 125' AGL/524' MSL.

Building 7' from DER, 155' left of centerline, 30' AGL/439' MSL.

Trees beginning 656' from DER, left and right of centerline, up to 50' AGL/449' MSL.

Building 309' from DER, 100' left of centerline, 30' AGL/439' MSL.

Vehicles in parking lot 364' from DER, on centerline, up to 15' AGL/415' MSL.

Rwy 35, trees 225' from DER, 232' right of centerline, up to 50' AGL/469' MSL.

Trees 181' from DER, 240' left of centerline, up to 50' AGL/459' MSL.

Trees beginning 708' from DER, left and right of centerline, up to 50' AGL/469' MSL.

Vehicles 68' from DER, 347' right of centerline, up to 15' AGL/424' MSL.

MEXIA, TX

MEXIA-LIMESTONE CO (LXY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 11AUG22 (22223) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, 300-2¼ or std. w/min. climb of 259' per NM to 1000, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1700' prior to the DER.

TAKEOFF OBSTACLE NOTES:

Rwy 18, vehicles on road beginning 202' from DER, 400' left of centerline, up to 15' AGL/554' MSL.

Tree 419' from DER, 292' right of centerline, up to 80' AGL/619' MSL.

Rwy 36, trees beginning 179' from DER, 382' right of centerline, up to 80' AGL/619' MSL.

Trees beginning 391' from DER, 315' left of centerline, up to 80' AGL/629' MSL.

NACOGDOCHES, TX

NACOGDOCHES A L MANGHAM JR RGNL (OCH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 22JUN17 (17173) (FAA)

DEPARTURE PROCEDURE:

Rwy 36, climb heading 359° to 1000 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees 47' from DER, 503' left of centerline, 67' AGL/397' MSL.

Trees 1227' from DER, 580' left of centerline, 52' AGL/382' MSL.

Trees 2234' from DER, 939' right of centerline, 71' AGL/431' MSL.

Rwy 36, trees 252' from DER, 485' left of centerline, 81' AGL/401' MSL.

Trees 792' from DER, 513' left of centerline, 87' AGL/447' MSL.

Trees beginning 1957' from DER, 23' left of centerline, up to 70' AGL/470' MSL.

Trees 207' from DER, 492' right of centerline, 58' AGL/388' MSL.

Multiple OL's and trees beginning 661' from DER, 2' right of centerline, up to 74' AGL/434' MSL.

Multiple trees beginning 2290' from DER, 316' right of centerline, up to 87' AGL/487' MSL.

NAVASOTA, TX

NAVASOTA MUNI (60R)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02FEB84 (84033) (FAA)

DEPARTURE PROCEDURE:

Rwy 35, climb runway heading to 2100 before turning eastbound.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

ORANGE, TX

ORANGE COUNTY (ORG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 22OCT09 (09295) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 400-1¼ or std. w/ min. climb of 425' per NM to 500.

Rwys 13, 31, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees beginning 893' from DER, 513' right of centerline, up to 30' AGL/87' MSL.

Trees beginning 1856' from DER, 550 left of centerline, up to 30' AGL/66' MSL.

Transmission poles beginning 2518' from DER, left and right of centerline, up to 73' AGL/83' MSL.

Tower 6401' from DER, 1900' left of centerline, 283' AGL/298' MSL.

Rwy 22, trees beginning at DER, left and right of centerline, up to 30' AGL/39' MSL.

PALACIOS, TX

PALACIOS MUNI (PSX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 26MAY16 (16147) (FAA)

DEPARTURE PROCEDURE:

Rwy 8, climbing right turn heading 125° to 1800 before proceeding on course.

Rwy 13, climb heading 132° to 1100 before turning left.

Rwy 36, climb heading 357° to 1100 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 31, bush 20' from DER, 296' right of centerline, 6' AGL/16' MSL.

PALESTINE, TX

PALESTINE MUNI (PSN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 30JAN20 (20030) (FAA)

TAKEOFF MINIMUMS:

Rwy 9, 400-3 w/min. climb of 262' per NM to 1200 or std. w/min. climb of 316' per NM to 900 or 1000-3 for VCOA.

VCOA:

Rwy 9, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Palestine Muni at or above 1300 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 9, trees beginning 201' from DER, 195' left of centerline, up to 100' AGL/381' MSL.

Trees beginning 207' from DER, 87' right of centerline, up to 100' AGL/378' MSL.

Trees beginning 2276' from DER, 216' left of centerline, up to 100' AGL/384' MSL.

Trees beginning 2535' from DER, 218' left of centerline, up to 100' AGL/388' MSL.

Trees beginning 2538' from DER, 84' right of centerline, up to 100' AGL/388' MSL.

Trees beginning 2794' from DER, 221' left of centerline, up to 100' AGL/394' MSL.

Trees beginning 2796' from DER, 69' right of centerline, up to 100' AGL/401' MSL.

Trees beginning 3052' from DER, 223' left of centerline, up to 100' AGL/401' MSL.

Trees beginning 4085' from DER, 233' left of centerline, up to 100' AGL/407' MSL.

Trees beginning 4344' from DER, 236' left of centerline, up to 100' AGL/414' MSL.

Trees beginning 4350' from DER, 66' right of centerline, up to 100' AGL/407' MSL.

Trees beginning 4603' from DER, 238' left of centerline, up to 100' AGL/420' MSL.

Trees beginning 4609' from DER, 64' right of centerline, up to 100' AGL/414' MSL.

Trees beginning 4862' from DER, 241' left of centerline, up to 100' AGL/427' MSL.

Trees beginning 4868' from DER, 61' right of centerline, up to 100' AGL/420' MSL.

Trees beginning 5124' from DER, 243' left of centerline, up to 100' AGL/430' MSL.

Trees beginning 5127' from DER, 59' right of centerline, up to 100' AGL/430' MSL.

Tree 5380' from DER, 549' left of centerline, 100' AGL/434' MSL.

Trees beginning 5386' from DER, 56' right of centerline, up to 100' AGL/437' MSL.

Trees beginning 5404' from DER, 54' right of centerline, up to 100' AGL/440' MSL.

Trees beginning 5627' from DER, 855' left of centerline, up to 100' AGL/440' MSL.

Trees beginning 5639' from DER, 249' left of centerline, up to 100' AGL/443' MSL.

Tree 5663' from DER, 1872' right of centerline, 100' AGL/443' MSL.

Tree 5883' from DER, 2070' left of centerline, 100' AGL/447' MSL.

Trees beginning 5886' from DER, 251' left of centerline, up to 100' AGL/450' MSL.

Trees beginning 5904' from DER, 51' right of centerline, up to 100' AGL/450' MSL.

Tree 1 NM from DER, 2073' left of centerline, 100' AGL/457' MSL.

Trees beginning 1 nm from DER, 254' left of centerline, up to 100' AGL/460' MSL.

Trees beginning 1 NM from DER, 48' right of centerline, up to 100' AGL/457' MSL.

Tree 1 NM from DER, 1867' right of centerline, 100' AGL/460' MSL.

Tree 1 NM from DER, 2075' left of centerline, 100' AGL/463' MSL.

Trees beginning 1 NM from DER, 256' left of centerline, up to 100' AGL/470' MSL.

Trees beginning 1 NM from DER, 46' right of centerline, up to 100' AGL/463' MSL.

Tree 1 NM from DER, 2078' left of centerline, 100' AGL/473' MSL.

Trees beginning 1 NM from DER, 43' right of centerline, up to 100' AGL/473' MSL.

Tree 1.1 NM from DER, 2080' left of centerline, 100' AGL/483' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

PALESTINE, TX (CON'T)

PALESTINE MUNI (PSN) (CON'T)

Rwy 9 (CON'T), Trees beginning 1.1 NM from DER, 261' left of centerline, up to 100' AGL/489' MSL.

Trees beginning 1.1 NM from DER, 41' right of centerline, up to 100' AGL/479' MSL.

Trees beginning 1.1 NM from DER, 950' right of centerline, up to 100' AGL/483' MSL.

Tree 1.1 NM from DER, 2083' left of centerline, 100' AGL/493' MSL.

Trees beginning 1.1 NM from DER, 264' left of centerline, up to 100' AGL/499' MSL.

Trees beginning 1.1 NM from DER, 38' right of centerline, up to 100' AGL/486' MSL.

Trees beginning 1.1 NM from DER, 36' right of centerline, up to 100' AGL/493' MSL.

Tree 1.2 NM from DER, 1479' left of centerline, 100' AGL/509' MSL.

Trees beginning 1.2 NM from DER, 267' left of centerline, up to 100' AGL/519' MSL.

Trees beginning 1.2 NM from DER, 33' right of centerline, up to 100' AGL/499' MSL.

Trees beginning 1.2 NM from DER, 269' left of centerline, up to 100' AGL/532' MSL.

Trees beginning 1.2 NM from DER, 30' right of centerline, up to 100' AGL/525' MSL.

Trees beginning 1.3 NM from DER, 272' left of centerline, up to 100' AGL/552' MSL.

Trees beginning 1.3 NM from DER, 12' right of centerline, up to 100' AGL/552' MSL.

Trees beginning 1.3 NM from DER, 274' left of centerline, up to 100' AGL/568' MSL.

Tree 1.4 NM from DER, 2705' left of centerline, 100' AGL/575' MSL.

Trees beginning 1.4 NM from DER, 279' left of centerline, up to 100' AGL/601' MSL.

Trees beginning 1.4 NM from DER, 5' left of centerline, up to 100' AGL/621' MSL.

Tower 2.5 NM from DER, 345' left of centerline, 199' AGL/809' MSL.

Rwy 18, tree abeam DER, 409' left of centerline, 415' MSL.

Tree, terrain beginning 43' from DER, 241' right of centerline, up to 421' MSL.

Trees beginning 80' from DER, 257' left of centerline, up to 435' MSL.

Trees beginning 158' from DER, 166' right of centerline, up to 447' MSL.

Trees beginning 328' from DER, 41' left of centerline, up to 81' AGL/451' MSL.

Trees, vehicle on road beginning 481' from DER, 478' right of centerline, up to 449' MSL.

Tree 594' from DER, 352' right of centerline, 450' MSL.

Trees beginning 695' from DER, 35' right of centerline, up to 463' MSL.

Trees beginning 1561' from DER, 109' right of centerline, up to 465' MSL.

Rwy 27, trees beginning 189' from DER, 149' left of centerline, up to 100' AGL/420' MSL.

Trees beginning 195' from DER, 133' right of centerline, up to 100' AGL/411' MSL.

Rwy 36, tree, terrain beginning 134' from DER, 404' right of centerline, up to 439' MSL.

Tree 178' from DER, 403' left of centerline, 418' MSL.

Tree 200' from DER, 481' left of centerline, 421' MSL.

Trees beginning 432' from DER, 270' left of centerline, up to 434' MSL.

Tree 561' from DER, 481' left of centerline, 452' MSL.

Trees beginning 612' from DER, 306' left of centerline, up to 462' MSL.

Trees beginning 783' from DER, 401' left of centerline, up to 471' MSL.

Tree 990' from DER, 733' right of centerline, 456' MSL.

PORT LAVACA, TX

CALHOUN COUNTY (PKV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 13SEP18 (18256) (FAA)

TAKEOFF MINIMUMS:

Rwys 5, 23, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

Rwy 14, vehicles on road 475' from DER, on centerline, up to 44' MSL.

Rwy 32, vegetation 65' from DER, 408' left of centerline, 34' MSL.

Pole and vehicles on road beginning 547' from DER, 412' right of centerline, up to 35' AGL/60' MSL.

Vehicles on road 570' from DER, 411' left of centerline, up to 45' MSL.

VICTORIA, TX

VICTORIA RGNL (VCT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 12AUG21 (21224) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, building 588' from DER, 415' left of centerline, 18' AGL/118' MSL.

Industrial system 1696' from DER, 265' right of centerline, 61' AGL/159' MSL.

Rwy 36, vegetation 104' from DER, 165' right of centerline, 10' AGL/116' MSL.

WHARTON, TX

WHARTON RGNL (ARM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 27AUG09 (09239) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 32, vehicle on roads beginning 26' from DER, 312' right of centerline, up to 17' AGL/113' MSL.

Buildings beginning 40' from DER, 338' right of centerline, up to 26' AGL/125' MSL.

Poles beginning 140' from DER, 467' right of centerline, up to 43' AGL/142' MSL.

Tree 828' from DER, 509' right of centerline, 28' AGL/127' MSL.

Fence 24' from DER, 288' left of centerline, 4' AGL/103' MSL.

Tree 1147' from DER, 425' left of centerline, 41' AGL/140' MSL.

TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

23278

SC-5

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND


DIVERSE VECTOR AREA (RADAR VECTORS)

23278

WINNIE/STOWELL, TX

CHAMBERS COUNTY/WINNIE STOWELL (T90)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05OCT23 (23278) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std w/min climb of 376'/NM to 2700, or 1800-3 for VCOA.**Rwy 35**, std w/min climb of 341'/NM to 2700, or 1800-3 for VCOA.

VCOA:

All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Chambers County/Winnie Stowell airport at or above 1700 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 17, trees beginning 616' from DER, 23' left of centerline, up to 125' MSL.

Trees beginning 1164' from DER, 475' right of centerline, up to 125' MSL.

Rwy 35, trees beginning 742' from DER, 212' left of centerline, up to 130' MSL.

Tree 1572' from DER, 672' right of centerline, 130' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

HUDZY FOUR ARRIVAL
(HUDZY, HUDZY4) 100CT19

HUDZY FOUR ARRIVAL
(HUDZY, HUDZY4) 23054

AL-198 (FAA)

HOUSTON, TEXAS

HOUSTON APP CON
120.05 379.1
CXO ATIS
118.325
DWH ATIS
128.375
EFD ATIS
135.575 269.9
HOU D-ATIS
124.6
IAH D-ATIS
124.05
SGR ATIS *
118.125
TME ATIS
119.525

LUFKIN
112.1 LFK
Chan 58

SAWMILL
113.75 SWB
Chan 84 (Y)
N31°58.39-W92°40.63'
L-22, H-6

BRWCK
N30°35.23'
W93°42.36'

ALEXANDRIA
116.1 AEX
Chan 108
N31°15.40-W92°30.06'
L-21-22, H-6

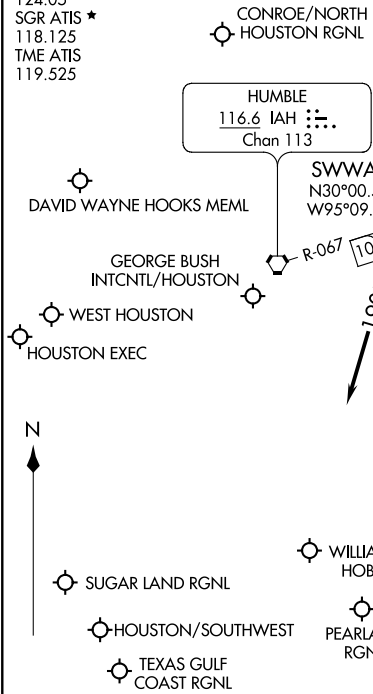
LAKE CHARLES
113.4 LCH
Chan 81

SABINE PASS
115.4 SBI
Chan 101

HUDZY
N30°06.21'
W94°48.53'
TURBOJETS:
Expect 14000 280K

TRINITY
114.75 MHF
Chan 94(Y)

VERTICAL NAVIGATION
PLANNING INFORMATION



- NOTE: RADAR required.
- NOTE: For use by Turbojet and Turboprop aircraft capable of 280K or greater only.
- NOTE: DME/DME/IRU or GPS equipped aircraft must file the WAPPL (RNAV) STAR.
- NOTE: ATC assigned only for aircraft landing CXO, DWH, IAH, T78, and 6R3.

(NARRATIVE ON FOLLOWING PAGE) NOTE: Chart not to scale.

HOUSTON, TEXAS

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.HUDZY4): From over AEX VORTAC on AEX R-235 to WAPPL, then on IAH R-067 to HUDZY. Thence. . . .

SAWMILL TRANSITION (SWB.HUDZY4): From over SWB VOR/DME on SWB R-211 to BRWCK, then on AEX R-235 to WAPPL, then on IAH R-067 to HUDZY. Thence. . . .

. . . .from over HUDZY on IAH R-067 to CLWSN, then on IAH R-067 to SWWAA, then on heading 190°. Expect RADAR vectors to final approach course.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

DOOBI TWO ARRIVAL (RNAV)
(DOOBI.DOOBI2) 24UL14

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

ARRIVAL ROUTE DESCRIPTION

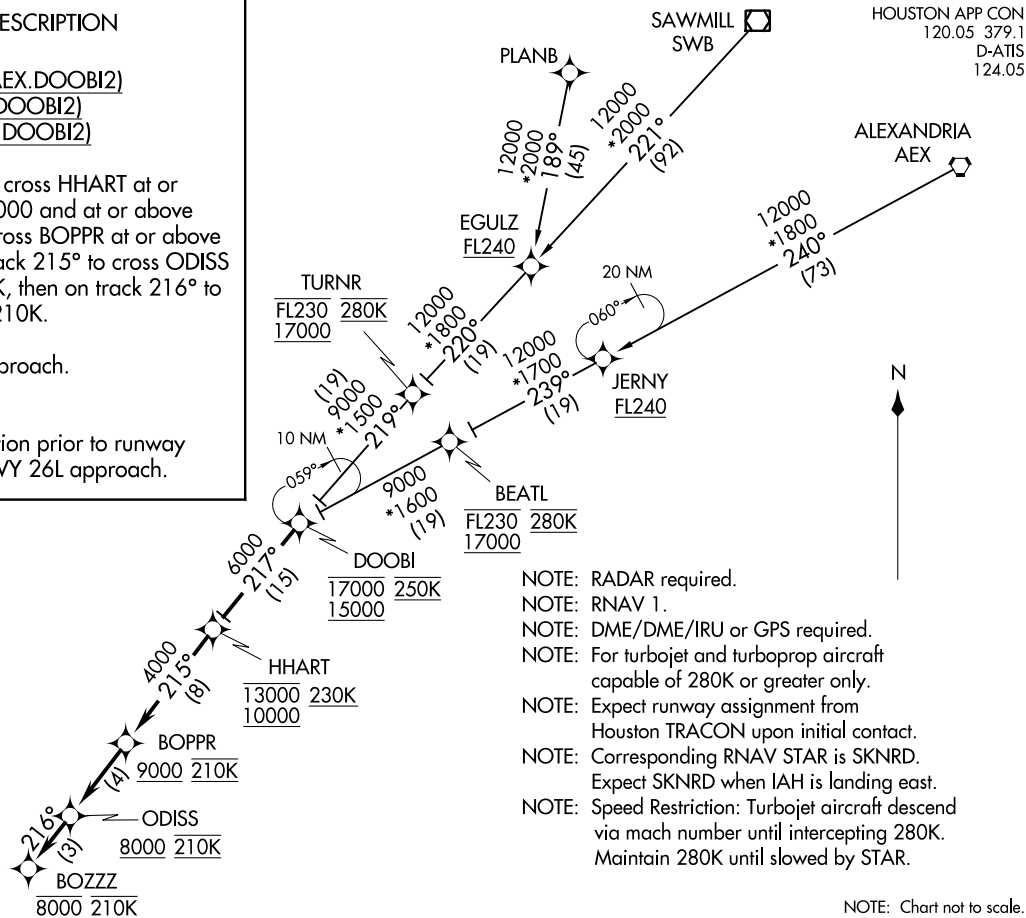
ALEXANDRIA TRANSITION (AEX.DOOBI2)
PLANB TRANSITION (PLANB.DOOBI2)
SAWMILL TRANSITION (SWB.DOOBI2)

From DOOBI on track 217° to cross HHART at or above 10000, at or below 13000 and at or above 230K, then on track 215° to cross BOPPR at or above 9000 and at 210K, then on track 215° to cross ODISS at or above 8000 and at 210K, then on track 216° to cross BOZZZ at 8000 and at 210K.

Expect assigned instrument approach.

LOST COMMUNICATIONS

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



- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: For turbojet and turboprop aircraft capable of 280K or greater only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Corresponding RNAV STAR is SKNRD. Expect SKNRD when IAH is landing east.
- NOTE: Speed Restriction: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by STAR.

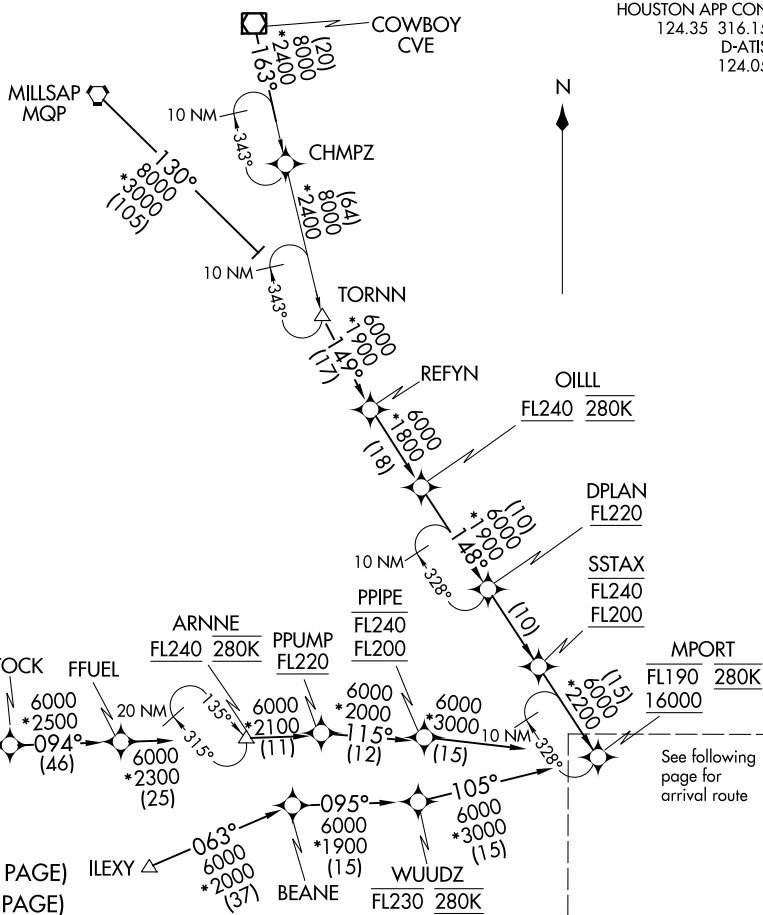
NOTE: Chart not to scale.

HOUSTON APP CON
120.05 379.1
D-ATIS
124.05

DOOBI TWO ARRIVAL (RNAV) 21112
AL-5461 (FAA)
GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

HOUSTON APP CON
124.35 316.15
D-ATIS
124.05

(MPORT: DRLLR5) 21112 AI-5461 (FAA) Transition Routes GEORGE BUSH INTCNL/HOUSTON (IAH) HOUSTON, TEXAS
DRLLR FIVE ARRIVAL (RNAV)



See following page for arrival route

- COWBOY TRANSITION (CVE.DRLLR5):
- DIESEL TRANSITION (DIESEL.DRLLR5):
- IILEXY TRANSITION (IILEXY.DRLLR5): Austin Terminal Area Departures only.
- MILLSAP TRANSITION (MQP.DRLLR5):
- OIILL TRANSITION (OIILL.DRLLR5):
- TORNNN TRANSITION (TORNNN.DRLLR5):

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft capable of 280K or greater only.
- NOTE: Fly the Runway 26R transition; Houston Approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is GUSHR. Expect GUSHR when IAH is landing east.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.

(NOTES ON THE FOLLOWING PAGE)
(NARRATIVE ON FOLLOWING PAGE)

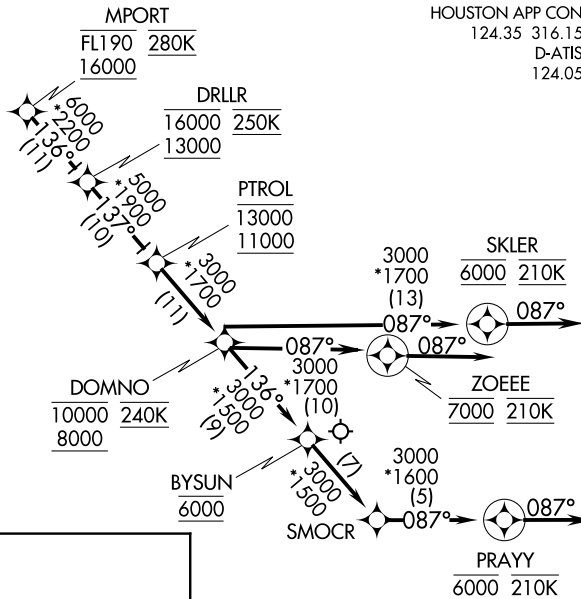
NOTE: Chart not to scale.

DRLLR FIVE ARRIVAL (RNAV) Transition Routes GEORGE BUSH INTCNL/HOUSTON (IAH) HOUSTON, TEXAS
(MPORT: DRLLR5) 26MAY16

DRILLER FIVE ARRIVAL (RNAV) Arrival Routes
(MPORT, DRLLR5) 25MAY16

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft capable of 280K or greater only.
- NOTE: Fly the Runway 26R transition; Houston Approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is GUSHR. Expect GUSHR when IAH is landing east.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.



HOUSTON APP CON
124.35 316.15
D-ATIS
124.05

ARRIVAL ROUTE DESCRIPTION

From MPORT on track 136° to cross DRLLR between 13000 and 16000 and at 250K, then on track 137° to cross PTROL between 11000 and 13000, then on track 137° to cross DOMNO between 8000 and 10000 and at 240K.

LANDING RUNWAY 26L: From DOMNO on track 087° to cross ZOEEE at 7000 and at 210K, then on track 087°. Expect vectors to final approach course.

LANDING RUNWAY 26R: From DOMNO on track 087° to cross SKLER at 6000 and at 210K, then on track 087°. Expect vectors to final approach course.

LANDING RUNWAY 27: From DOMNO on track 136° to cross BYSUN at 6000, then on track 136° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210K, then on track 087°. Expect vectors to final approach course.

NOTE: Chart not to scale.

(MPORT, DRLLR5) 21112 AI-5461 (FAA)
DRILLER FIVE ARRIVAL (RNAV) Arrival Routes

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON APP CON
119.175 291.675
D-ATIS
124.05

NAVASOTA
115.9 TNV
Chan 106

HUMBLE
116.6 IAH
Chan 113

INDUSTRY
110.2 IDU
Chan 39

SAN ANTONIO
116.8 SAT
Chan 115
N29°38.64'-W98°27.68'
L-19, H-7

VICTORIA
109.0 VCT
Chan 27

CORPUS CHRISTI
115.5 CRP
Chan 102
N27°54.23'-W97°26.69'
L-20-21, H-7

PALACIOS
117.3 PSX
Chan 120
N28°45.87'-W96°18.37'
L-20-21, H-7

CHVRN
N29°16.61'
W96°44.97'

FLANL
N29°23.96'
W96°30.01'

GMANN
N29°32.78'-W96°11.95'

**VERTICAL NAVIGATION
PLANNING INFORMATION**

TURBOJET:
Landing East at IAH
Expect 13000 250K
Landing West at IAH
Expect 14000 280K

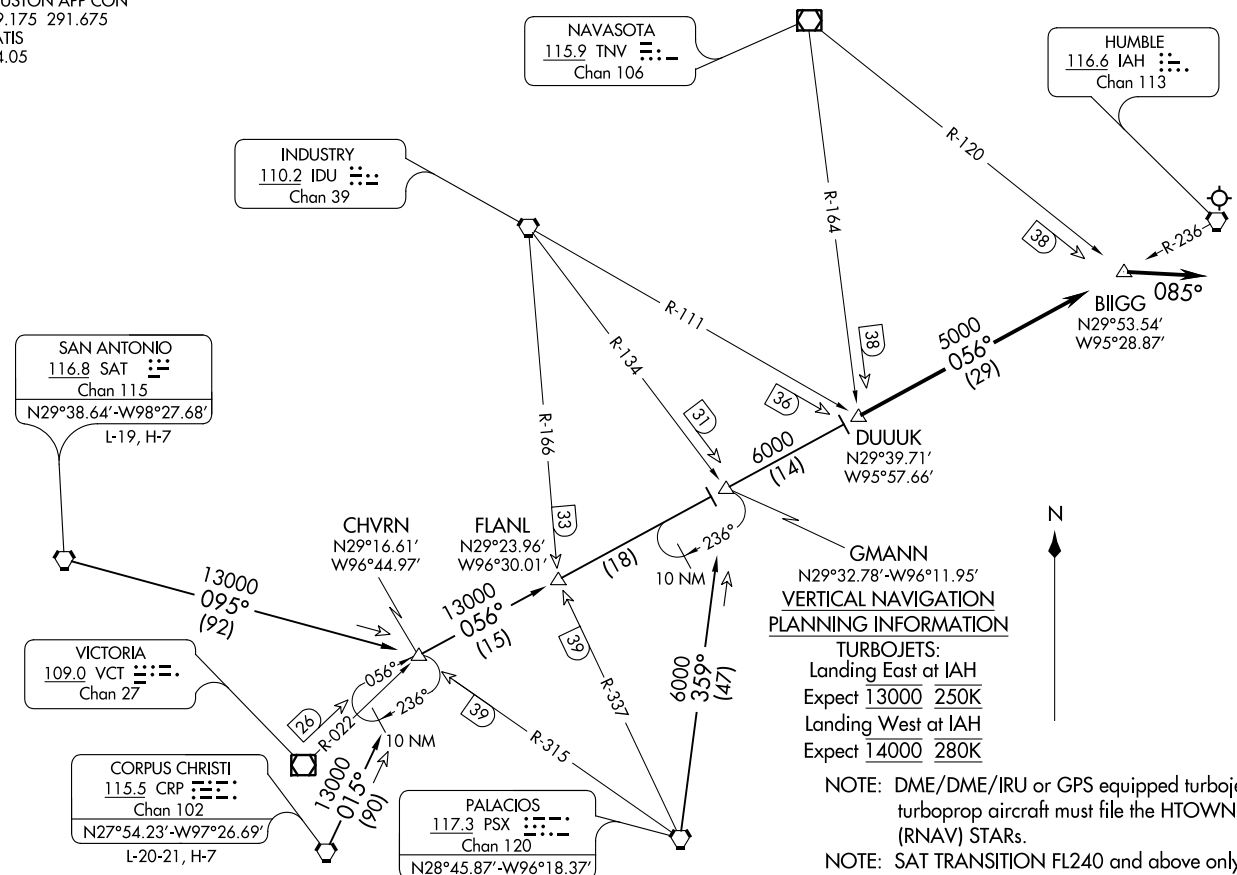
NOTE: DME/DME/IRU or GPS equipped turbojet and turboprop aircraft must file the HTOWN/TEJAS (RNAV) STARS.

NOTE: SAT TRANSITION FL240 and above only.

(NARRATIVE ON FOLLOWING PAGE)



NOTE: Chart not to scale.



ARRIVAL ROUTE DESCRIPTION

CORPUS CHRISTI TRANSITION (CRP.DUUUK3): From over CRP VORTAC on CRP R-015 to CHVRN, then on IAH R-236 to DUUUK. Thence

PALACIOS TRANSITION (PSX.DUUUK3): From over PSX VORTAC on PSX R-359 to GMANN, then on IAH R-236 to DUUUK. Thence

SAN ANTONIO TRANSITION (SAT.DUUUK3): From over SAT VORTAC on SAT R-095 to CHVRN, then on IAH R-236 to DUUUK. Thence

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

SC-5, 22 FEB 2024 to 21 MAR 2024

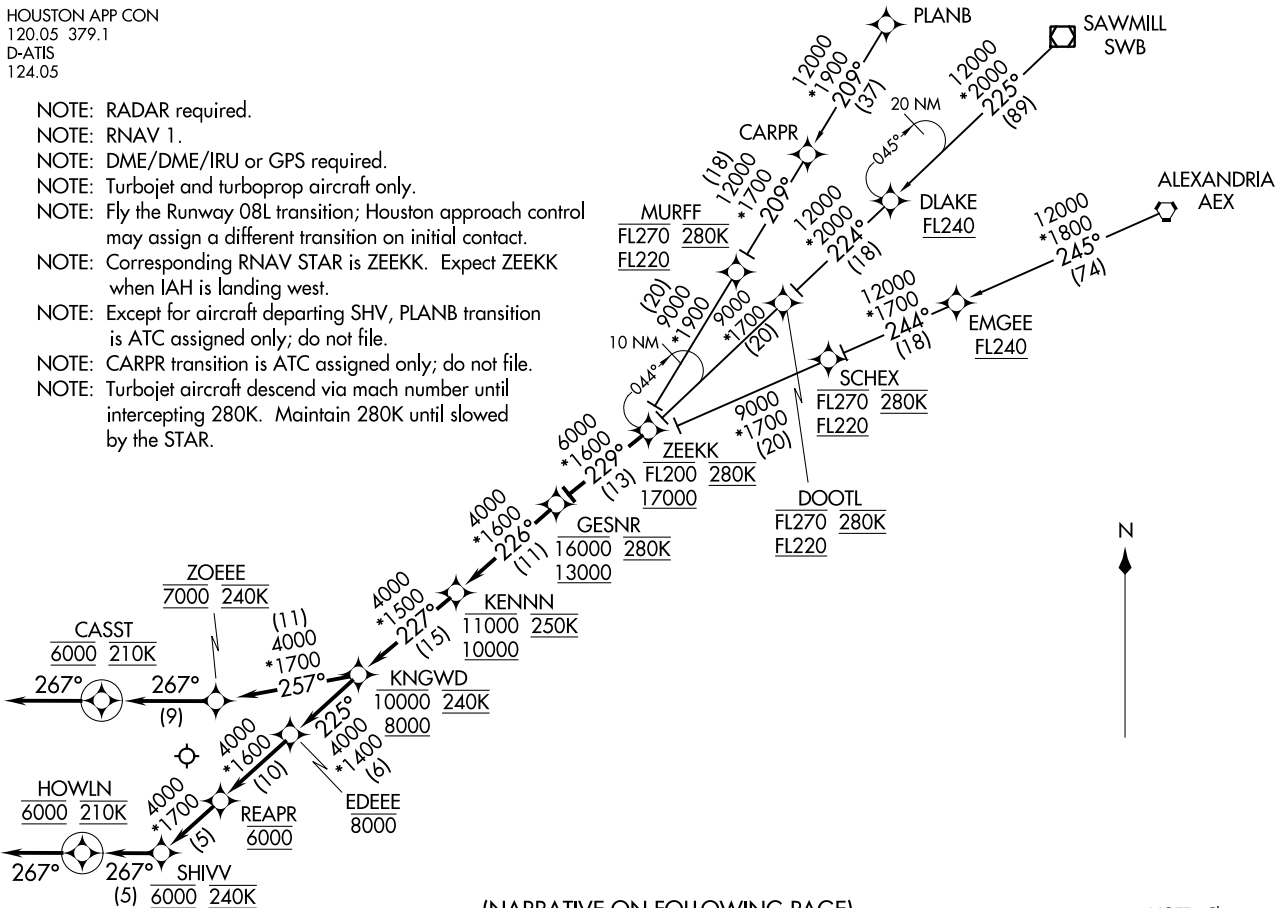
SC-5, 22 FEB 2024 to 21 MAR 2024

GESNR ONE ARRIVAL (RNAV)
 (ZEEKK, GESNR1) 25JUN15

GEORGE BUSH INTCNL/HOUSTON (IAH)
 HOUSTON, TEXAS

HOUSTON APP CON
 120.05 379.1
 D-ATIS
 124.05

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Fly the Runway 08L transition; Houston approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is ZEEKK. Expect ZEEKK when IAH is landing west.
- NOTE: Except for aircraft departing SHV, PLANB transition is ATC assigned only; do not file.
- NOTE: CARPR transition is ATC assigned only; do not file.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(ZEEKK, GESNR1) 21112
 GESNR ONE ARRIVAL (RNAV)

AL-546 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)
 HOUSTON, TEXAS

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.GESNR1):

CARPR TRANSITION (CARPR.GESNR1):

PLANB TRANSITION (PLANB.GESNR1):

SAWMILL TRANSITION (SWB.GESNR1):

From ZEEKK on track 229° to cross GESNR at or above 13000, at or below 16000 and at 280K.

LANDING RUNWAY 8L: From GESNR on track 226° to cross KENNN at or above 10000, at or below 11000 and at 250K, then on track 227° to cross KNGWD at or above 8000, at or below 10000 and at 240K, then on track 257° to CROSS ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R/9: From GESNR on track 226° to cross KENNN at or above 10000, at or below 11000 and at 250K, then on track 227° to cross KNGWD at or above 8000, at or below 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

SC-5, 22 FEB 2024 to 21 MAR 2024

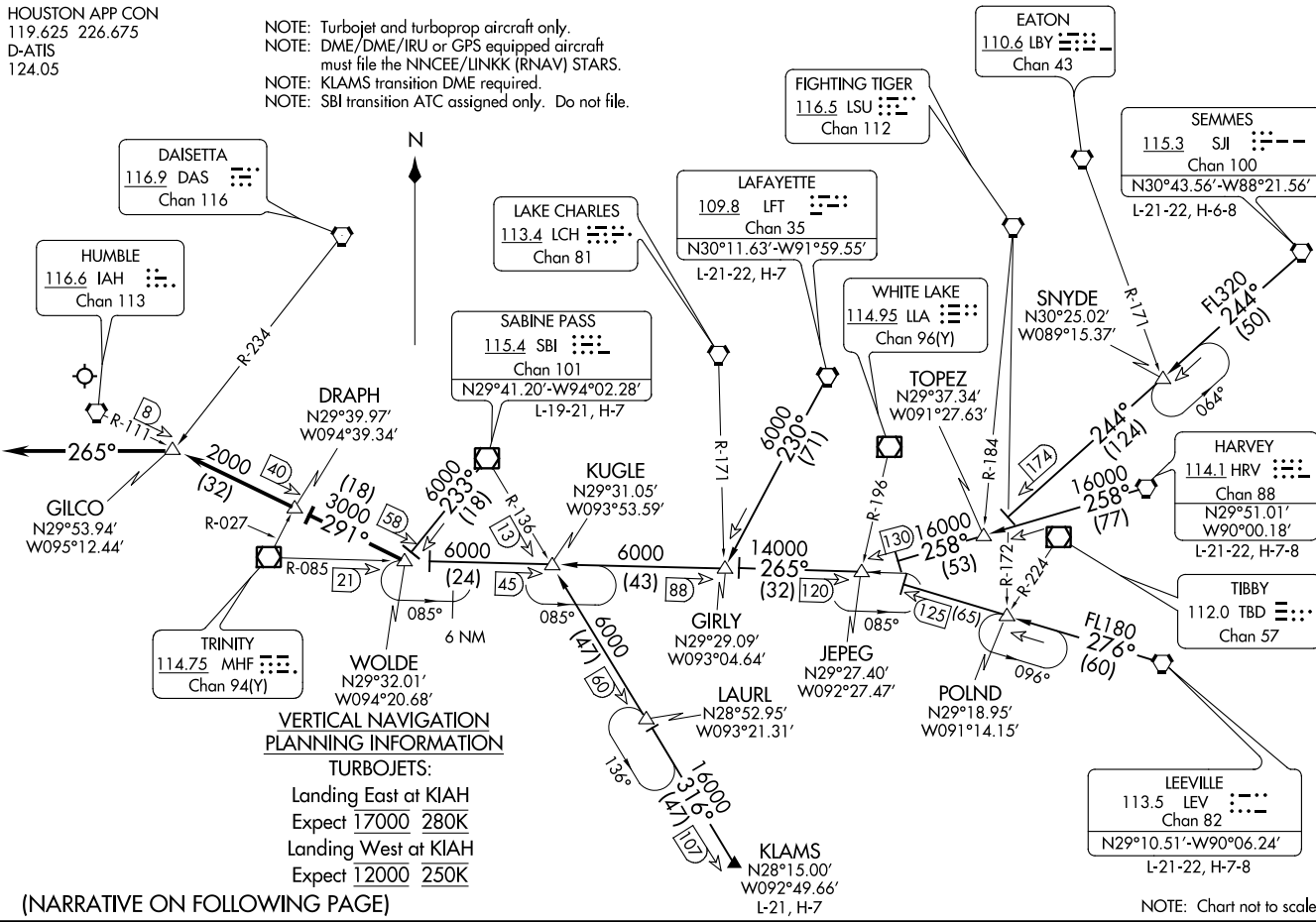
SC-5, 22 FEB 2024 to 21 MAR 2024

GILCO FIVE ARRIVAL
(WOLDE.GILCO5) 100CTT9

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

HOUSTON APP CON
119.625 226.675
D-ATIS
124.05

NOTE: Turbojet and turboprop aircraft only.
NOTE: DME/DME/IRU or GPS equipped aircraft
must file the NNCEE/LINKK (RNAV) STARS.
NOTE: KLAMS transition DME required.
NOTE: SBI transition ATC assigned only. Do not file.



**VERTICAL NAVIGATION
PLANNING INFORMATION**

TURBOJET:

Landing East at KIAH
Expect 17000 280K
Landing West at KIAH
Expect 12000 250K

(NARRATIVE ON FOLLOWING PAGE)

(WOLDE.GILCO5) 23054
GILCO FIVE ARRIVAL

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

HARVEY TRANSITION (HRV.GILCO5): From over HRV VORTAC on HRV R-258 to JEPEG, then on MHF R-085 to WOLDE. Thence

JEPEG TRANSITION (JEPEG.GILCO5): From over JEPEG on MHF R-085 to WOLDE. Thence

KLAMS TRANSITION (KLAMS.GILCO5): From over KLAMS on SBI R-136 to KUGLE, then on MHF R-085 to WOLDE. Thence

LAFAYETTE TRANSITION (LFT.GILCO5): From over LFT VORTAC on LFT R-230 to GIRLY, then on MHF R-085 to WOLDE. Thence

LEEVILLE TRANSITION (LEV.GILCO5): From over LEV VORTAC on LEV R-276 to JEPEG, then on MHF R-085 to WOLDE. Thence

SABINE PASS TRANSITION (SBI.GILCO5): From over SBI VOR/DME on SBI R-233 to WOLDE. Thence

SEMMES TRANSITION (SJI.GILCO5): From SJI VORTAC on SJI R-244 to TOPEZ, then on HRV R-258 to JEPEG, then on MHF R-085 to WOLDE. Thence

. . . .From over WOLDE on IAH R-111 to GILCO.

LANDING RUNWAYS 8L/R, 9:

From GILCO fly heading 265° for vectors to final approach course.

FOR ALL OTHER RUNWAYS:

Expect vectors to final approach course at or prior to GILCO.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

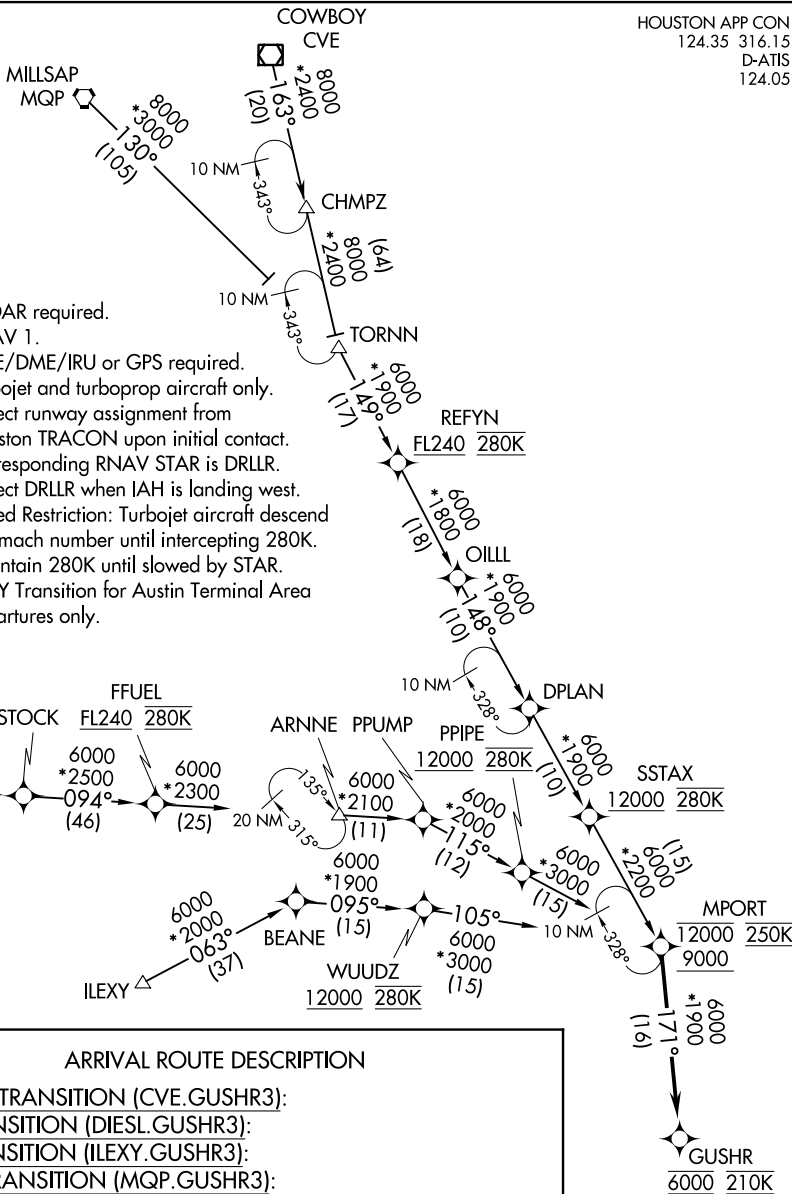
(MPORT.GUSHR3) 21112

GEORGE BUSH INTCNL/HOUSTON (IAH)

GUSHR THREE ARRIVAL (RNAV) AL-5461 (FAA)

HOUSTON, TEXAS

HOUSTON APP CON
124.35 316.15
D-ATIS
124.05



- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Corresponding RNAV STAR is DRLLR. Expect DRLLR when IAH is landing west.
- NOTE: Speed Restriction: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by STAR.
- NOTE: ILEXY Transition for Austin Terminal Area departures only.

ARRIVAL ROUTE DESCRIPTION

- COWBOY TRANSITION (CVE.GUSHR3):
- DIESEL TRANSITION (DIESEL.GUSHR3):
- ILEXY TRANSITION (ILEXY.GUSHR3):
- MILLSAP TRANSITION (MQP.GUSHR3):
- OIILL TRANSITION (OIILL.GUSHR3):
- TORNN TRANSITION (TORNN.GUSHR3):

From MPORT on track 171° to cross GUSHR at 6000 and at 210K.
Expect ILS or LOC Rwy 08L.

NOTE: Chart not to scale.

GUSHR THREE ARRIVAL (RNAV)

HOUSTON, TEXAS

(MPORT.GUSHR3) 08JAN15

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

HTOWN THREE ARRIVAL (RNAV)

HOUSTON APP CON
119.175 291.675
D-ATIS
124.05

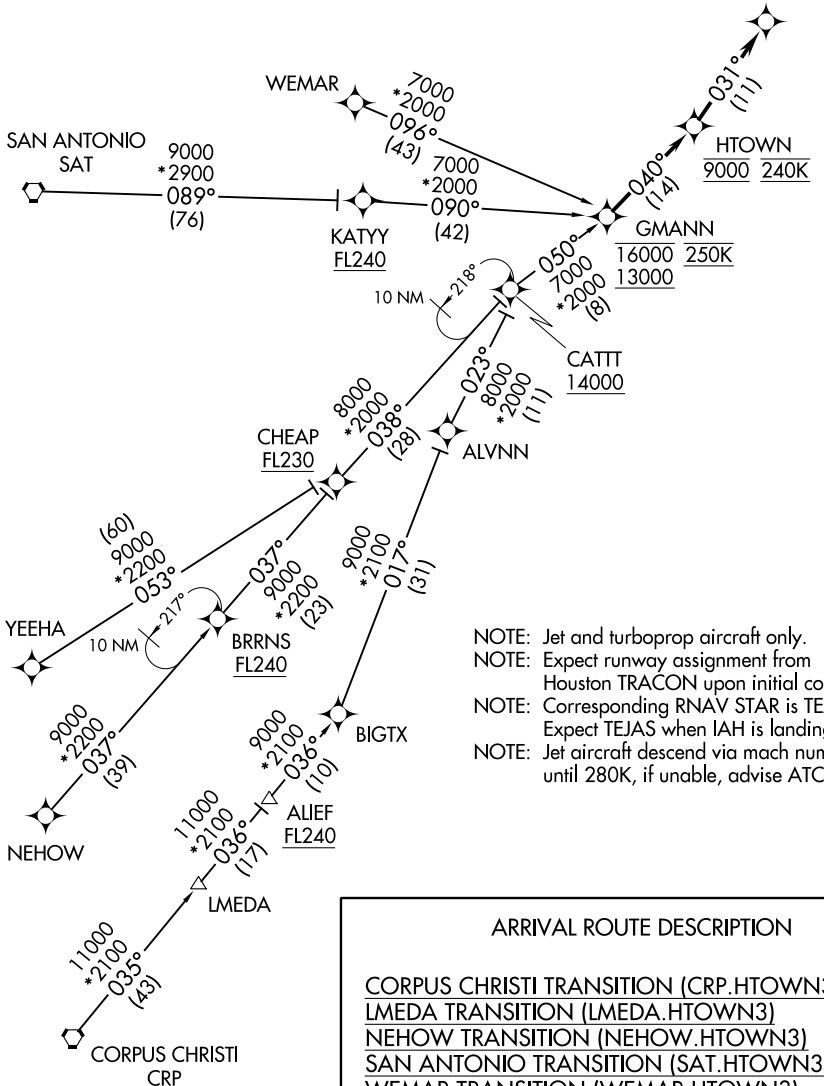
RNAV 1 - DME/DME/IRU or GPS.

RADAR required.

WDLNS

7000 210K

Ldg Rwy 8R



- NOTE: Jet and turboprop aircraft only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Corresponding RNAV STAR is TEJAS. Expect TEJAS when IAH is landing west.
- NOTE: Jet aircraft descend via mach number until 280K, if unable, advise ATC.

ARRIVAL ROUTE DESCRIPTION

- CORPUS CHRISTI TRANSITION (CRP.HTOWN3)
- LMEDA TRANSITION (LMEDA.HTOWN3)
- NEHOW TRANSITION (NEHOW.HTOWN3)
- SAN ANTONIO TRANSITION (SAT.HTOWN3)
- WEMAR TRANSITION (WEMAR.HTOWN3)
- YEEHA TRANSITION (YEEHA.HTOWN3)

From GMANN on track 040° to cross HTOWN at 9000 and at 240K, then on track 031° to cross WDLNS at 7000 and at 210K. Expect ILS or LOC RWY 8R.

NOTE: Chart not to scale.

SC-5, 22 FEB 2024 to 21 MAR 2024

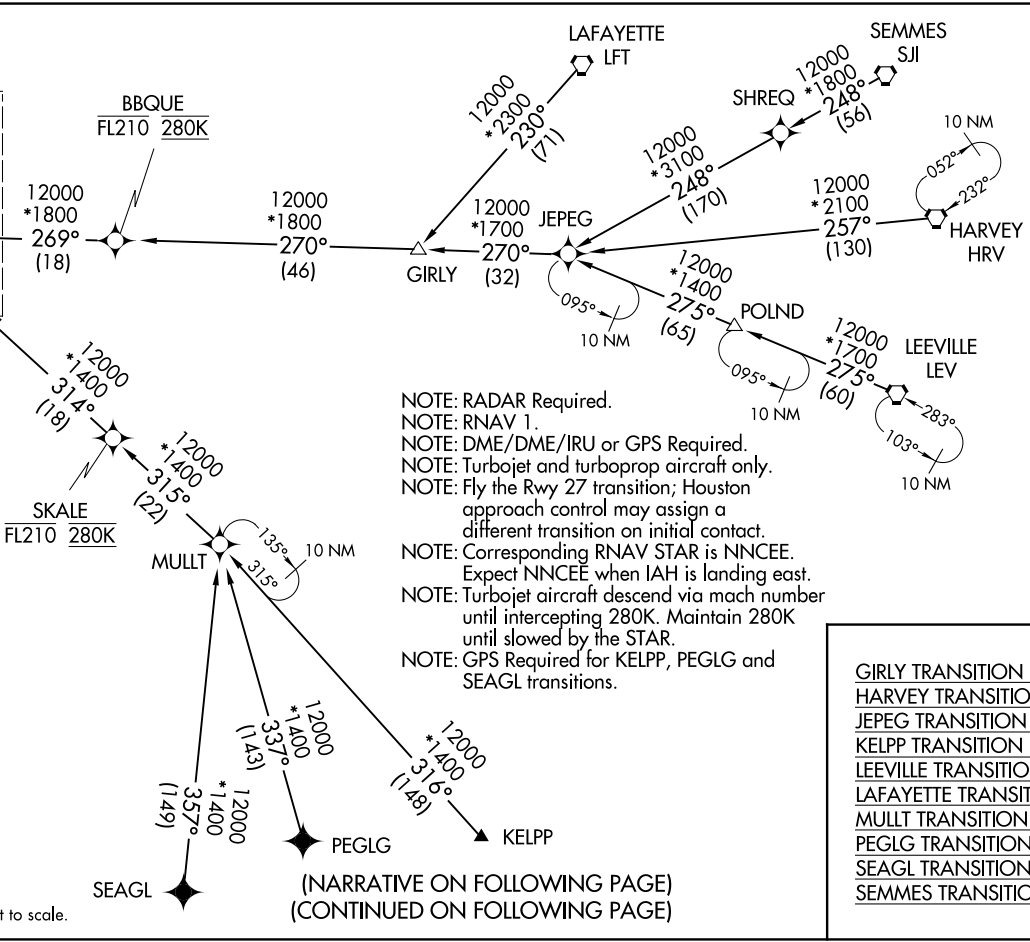
SC-5, 22 FEB 2024 to 21 MAR 2024

HOUSTON APP CON
119.625 226.675
D-ATIS
124.05

(LINKK.LINKK1) 221.39 AL-5461 (FAA)
GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

LINKK ONE ARRIVAL (RNAV) Transition Routes
(LINKK.LINKK1) 30APR15
HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

See following page for Arrival routes.
LINKK
15000 250K
12000



NOTE: RADAR Required.
 NOTE: RNAV 1.
 NOTE: DME/DME/IRU or GPS Required.
 NOTE: Turbojet and turboprop aircraft only.
 NOTE: Fly the Rwy 27 transition; Houston approach control may assign a different transition on initial contact.
 NOTE: Corresponding RNAV STAR is NNCEE. Expect NNCEE when IAH is landing east.
 NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.
 NOTE: GPS Required for KELPP, PEGLG and SEAGL transitions.

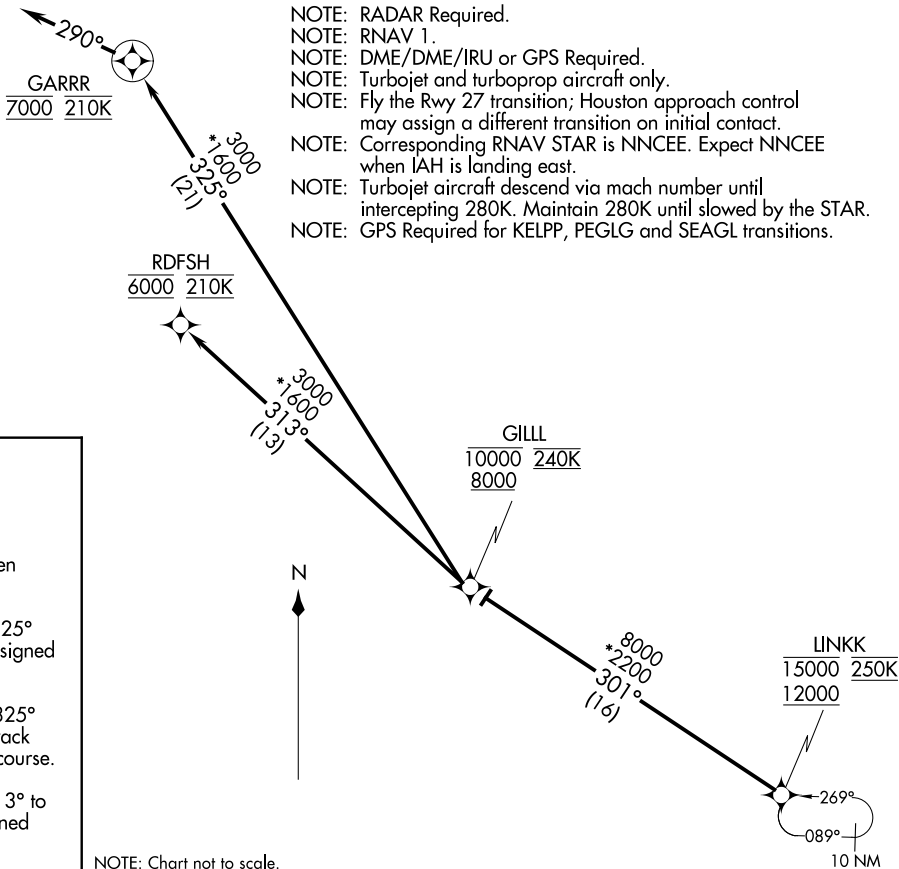
GIRLY TRANSITION (GIRLY.LINKK1);
HARVEY TRANSITION (HRV.LINKK1);
JEPEG TRANSITION (JEPEG.LINKK1);
KELPP TRANSITION (KELPP.LINKK1);
LEEVILLE TRANSITION (LEV.LINKK1);
LAFAYETTE TRANSITION (LFT.LINKK1);
MULT TRANSITION (MULT.LINKK1);
PEGLG TRANSITION (PEGLG.LINKK1);
SEAGL TRANSITION (SEAGL.LINKK1);
SEMMES TRANSITION (SJI.LINKK1);

(NARRATIVE ON FOLLOWING PAGE)
(CONTINUED ON FOLLOWING PAGE)

NOTE: Chart not to scale.

LINKK ONE ARRIVAL (RNAV) Arrival Routes
 (LINKK, LINKK1) 30APR15
 HOUSTON, TEXAS
 GEORGE BUSH INTCNL/HOUSTON (IAH)

HOUSTON APP CON
 119.625 226.675
 D-ATIS
 124.05



- NOTE: RADAR Required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS Required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Fly the Rwy 27 transition; Houston approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is NNCEE. Expect NNCEE when IAH is landing east.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.
- NOTE: GPS Required for KELPP, PEGLG and SEAGL transitions.

ARRIVAL ROUTE DESCRIPTION

From LINKK on track 301° to cross GILLL between 8000 and 10000 and at 240K.

LANDING RUNWAY 26L: From GILL on track 325° to cross GARRR at 7000 and at 210K. Expect assigned instrument approach RWY 26L.

LANDING RUNWAY 26R: From GILL on track 325° to cross GARRR at 7000 and at 210K, then on track 290° at 210K. Expect vectors to final approach course.

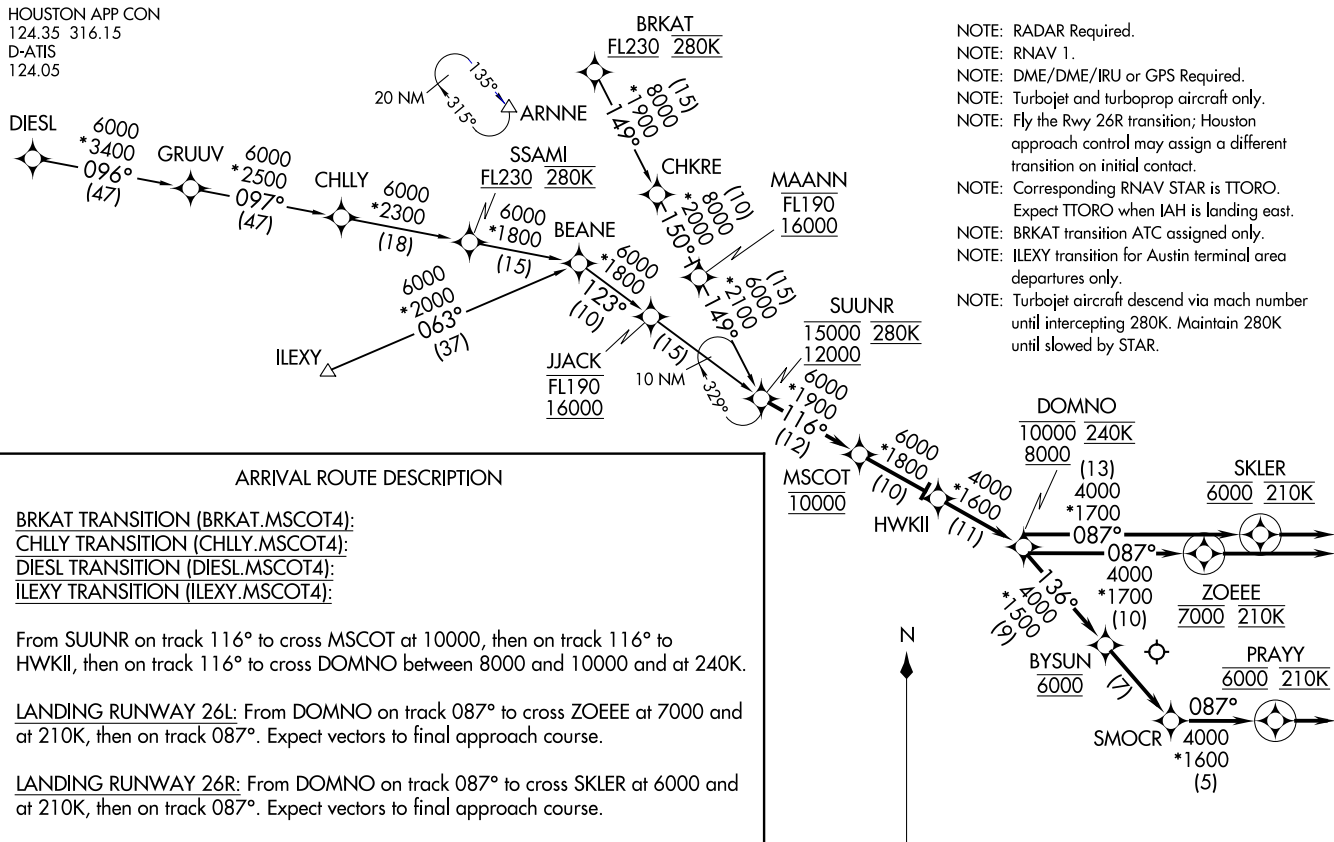
LANDING RUNWAY 27: From GILL on track 313° to cross RDFSH at 6000 and at 210K. Expect assigned instrument approach RWY 27.

NOTE: Chart not to scale.

(LINKK, LINKK1) 21112
 AL-5461 (FAA)
 GEORGE BUSH INTCNL/HOUSTON (IAH)
 HOUSTON, TEXAS
 LINKK ONE ARRIVAL (RNAV) Arrival Routes

MSCOT FOUR ARRIVAL (RNAV)
(SUUNR.MSCOT4) 30APR15

HOUSTON APP CON
124.35 316.15
D-ATIS
124.05



- NOTE: RADAR Required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS Required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Fly the Rwy 26R transition; Houston approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is TTORO. Expect TTORO when IAH is landing east.
- NOTE: BRKAT transition ATC assigned only.
- NOTE: ILEXY transition for Austin terminal area departures only.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by STAR.

ARRIVAL ROUTE DESCRIPTION

- BRKAT TRANSITION (BRKAT.MSCOT4):
- CHLLY TRANSITION (CHLLY.MSCOT4):
- DIESEL TRANSITION (DIESEL.MSCOT4):
- ILEXY TRANSITION (ILEXY.MSCOT4):

From SUUNR on track 116° to cross MSCOT at 10000, then on track 116° to HWKII, then on track 116° to cross DOMNO between 8000 and 10000 and at 240K.

LANDING RUNWAY 26L: From DOMNO on track 087° to cross ZOEEL at 7000 and at 210K, then on track 087°. Expect vectors to final approach course.

LANDING RUNWAY 26R: From DOMNO on track 087° to cross SKLER at 6000 and at 210K, then on track 087°. Expect vectors to final approach course.

LANDING RUNWAY 27: From DOMNO on track 136° to cross BYSUN at 6000, then on track 136° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210K, then on track 087°. Expect vectors to final approach course.

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

(SUUNR.MSCOT4) 21112
MSCOT FOUR ARRIVAL (RNAV) AL-5461 (FAA)
GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

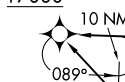
RNAV 1 - DME/DME/IRU or GPS.

RADAR required.

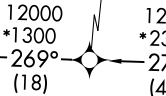
HOUSTON APP CON
119.625 226.675
D-ATIS
124.05

See following page for arrival routes.

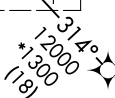
LINKK
FL200 280K
17000



BBQUE
FL290 280K



SKALE
FL290 280K



MULLT
FL290 280K



SEAGL

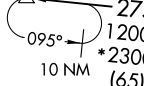


PEGLG



LAFAYETTE LFT

JEPEG



POLND



SHREQ



HARVEY HRV



LEEVILLE LEV



- NOTE: Jet and turboprop aircraft only.
- NOTE: Fly the runway 8R/9 transition; Houston Approach Control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is LINKK. Expect LINKK when IAH is landing west.
- NOTE: Jet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.
- NOTE: GPS required for KELPP, PEGLG and SEAGL Transitions.

- GIRLY TRANSITION (GIRLY.NNCEE2)
- HARVEY TRANSITION (HRV.NNCEE2)
- JEPEG TRANSITION (JEPEG.NNCEE2)
- KELPP TRANSITION (KELPP.NNCEE2)
- LAFAYETTE TRANSITION (LFT.NNCEE2)
- LEEVILLE TRANSITION (LEV.NNCEE2)
- MULLT TRANSITION (MULLT.NNCEE2)
- PEGLG TRANSITION (PEGLG.NNCEE2)
- SEAGL TRANSITION (SEAGL.NNCEE2)
- SEMMES TRANSITION (SJI.NNCEE2)

(NARRATIVE ON FOLLOWING PAGE)
(CONTINUED ON FOLLOWING PAGE)

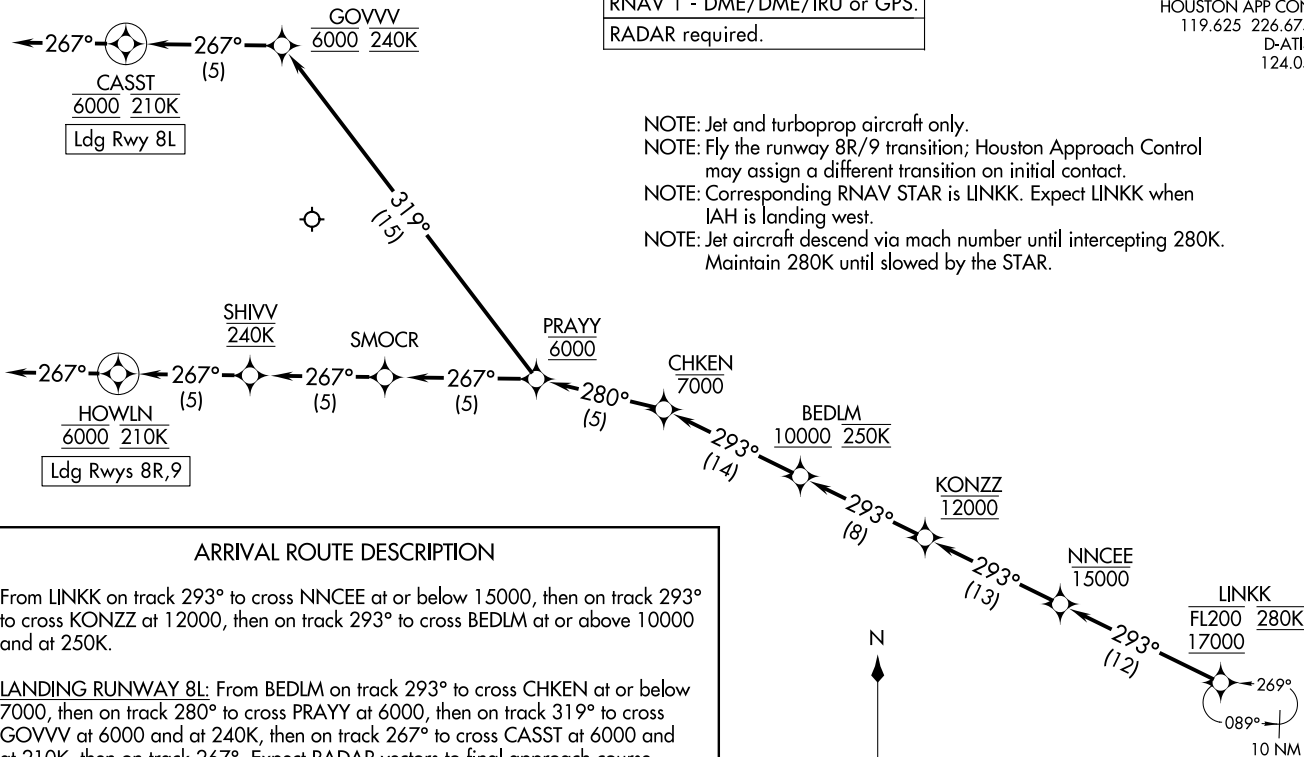
NOTE: Chart not to scale.

NNCEE TWO ARRIVAL (RNAV) Transition Routes
LINKK, NNCEE2 30NOV23
HOUSTON, TEXAS
GEORGE BUSH INTL/HOUSTON (IAH)

LINKK, NNCEE2 23334
NNCEE TWO ARRIVAL (RNAV) Transition Routes
AL-5461 (FAA)
HOUSTON, TEXAS
GEORGE BUSH INTL/HOUSTON (IAH)

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

HOUSTON APP CON
119.625 226.675
D-ATIS
124.05



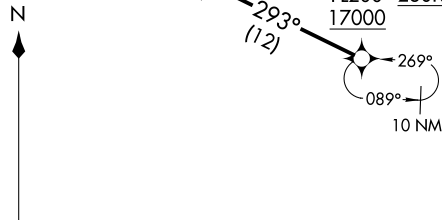
NOTE: Jet and turboprop aircraft only.
NOTE: Fly the runway 8R/9 transition; Houston Approach Control may assign a different transition on initial contact.
NOTE: Corresponding RNAV STAR is LINKK. Expect LINKK when IAH is landing west.
NOTE: Jet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.

ARRIVAL ROUTE DESCRIPTION

From LINKK on track 293° to cross NNCEE at or below 15000, then on track 293° to cross KONZZ at 12000, then on track 293° to cross BEDLM at or above 10000 and at 250K.

LANDING RUNWAY 8L: From BEDLM on track 293° to cross CHKEN at or below 7000, then on track 280° to cross PRAYY at 6000, then on track 319° to cross GOVVV at 6000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R, 9: From BEDLM on track 293° to cross CHKEN at or below 7000, then on track 280° to cross PRAYY at 6000, then on track 267° to cross SMOCR, then on track 267° to cross SHIVV at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.



NOTE: Chart not to scale.

NANCEE TWO ARRIVAL (RNAV) Arrival Routes
(LINKK, NANCEE2) 30NOV23
HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

(LINKK, NANCEE2) 23334
AL-5461 (FAA)
GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

OHIO FOUR ARRIVAL
(OHIO.OHIO4) 22JUN17

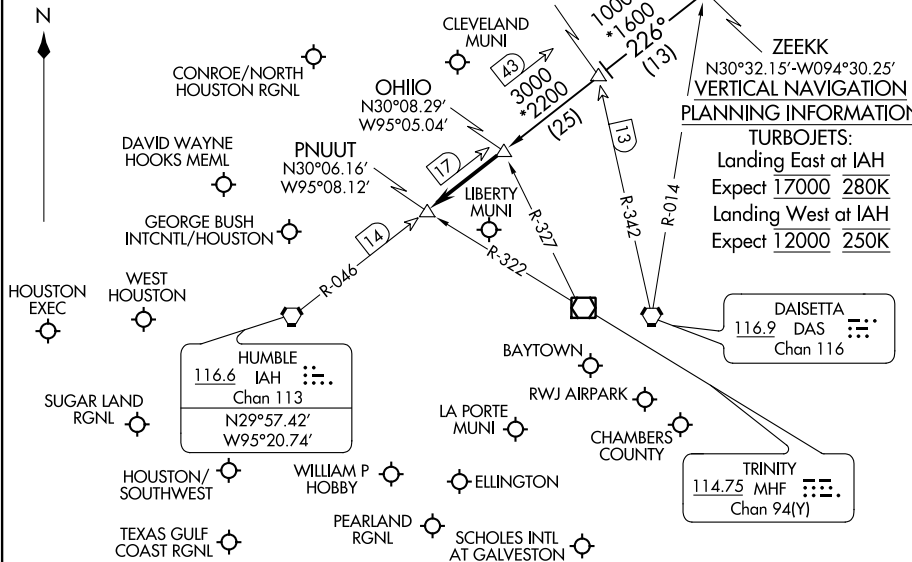
OHIO FOUR ARRIVAL
(OHIO.OHIO4) 23222

HOUSTON APP CON
120.05 379.1
CXO ATIS
118.325
DWH ATIS
128.375
EFD ATIS
135.575 269.9
HOU D-ATIS
124.6
IAH D-ATIS
124.05
SGR ATIS*
118.125
TME ATIS
119.525

NOTE: DME/DME/IRU or GPS equipped turbojet aircraft landing IAH must file the GESNR/ZEEKK or DOOBI/SKNRD (RNAV) STAR.

NOTE: ATC assigned only for airports other than KIAH, KDWH and KCXO, T78 and 6R3.

NOTE: Chart not to scale.



LUFKIN
112.1 LFK
Chan 58
N31°09.75'
W94°43.00'

ALEXANDRIA
116.1 AEX
Chan 108
N31°15.40'
W92°30.06'

LYMBO
N30°53.33'
W93°59.91'

GESNR
N30°24.13'
W94°42.00'

ZEEKK
N30°32.15'-W094°30.25'
VERTICAL NAVIGATION
PLANNING INFORMATION

TURBOJETS:
Landing East at IAH
Expect 17000 280K
Landing West at IAH
Expect 12000 250K

DAISETTA
116.9 DAS
Chan 116

TRINITY
114.75 MHF
Chan 94(Y)

HUMBLE
116.6 IAH
Chan 113
N29°57.42'
W95°20.74'

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.OHIO4):

From over AEX VORTAC via AEX R-251 to LYMBO INT, then on IAH R-046 to OHIO INT. Thence . . .

LUFKIN TRANSITION (LFK.OHIO4):

From over LFK VORTAC on LFK R-159 to ZEEKK INT, then on IAH R-046 to OHIO INT. Thence . . .

GEORGE BUSH INT CNTL AIRPORT /HOUSTON (IAH):

. . . from OHIO INT on IAH R-046 to PNUUT. Thence . . .

LANDING RUNWAYS 8L/R or 9:

. . . fly heading 265° for vectors to final approach course.

LANDING ALL OTHER RUNWAYS:

. . . expect vectors to final approach course at or prior to PNUUT.

FOR ALL OTHER AIRPORTS:

. . . from OHIO INT on IAH R-046 to PNUUT. Expect vectors to final approach course at or prior to PNUUT.

AL-5461 (FAA)

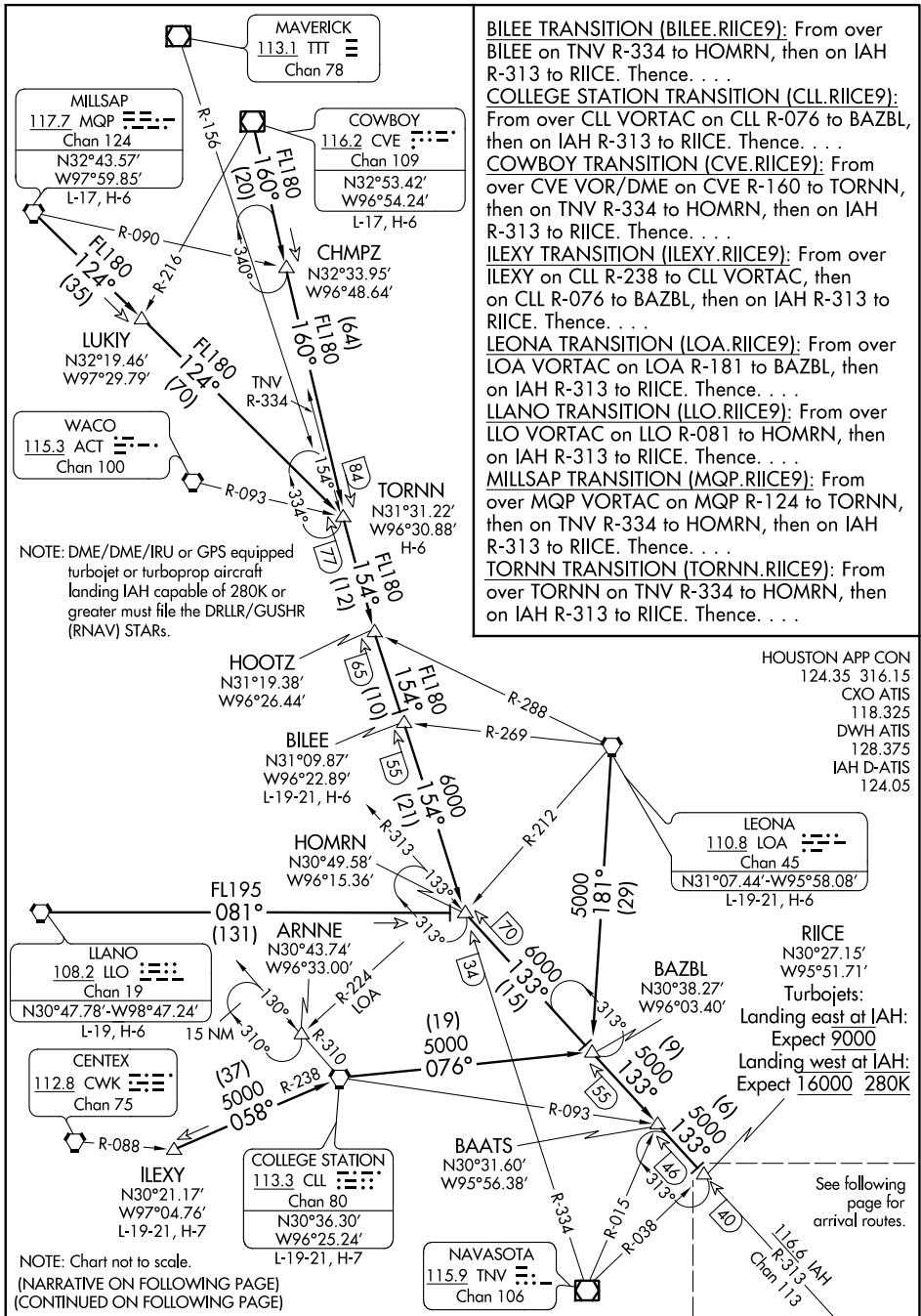
HOUSTON, TEXAS

HOUSTON, TEXAS

RIICE NINE ARRIVAL

Transition Routes

HOUSTON, TEXAS



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

RIICE NINE ARRIVAL

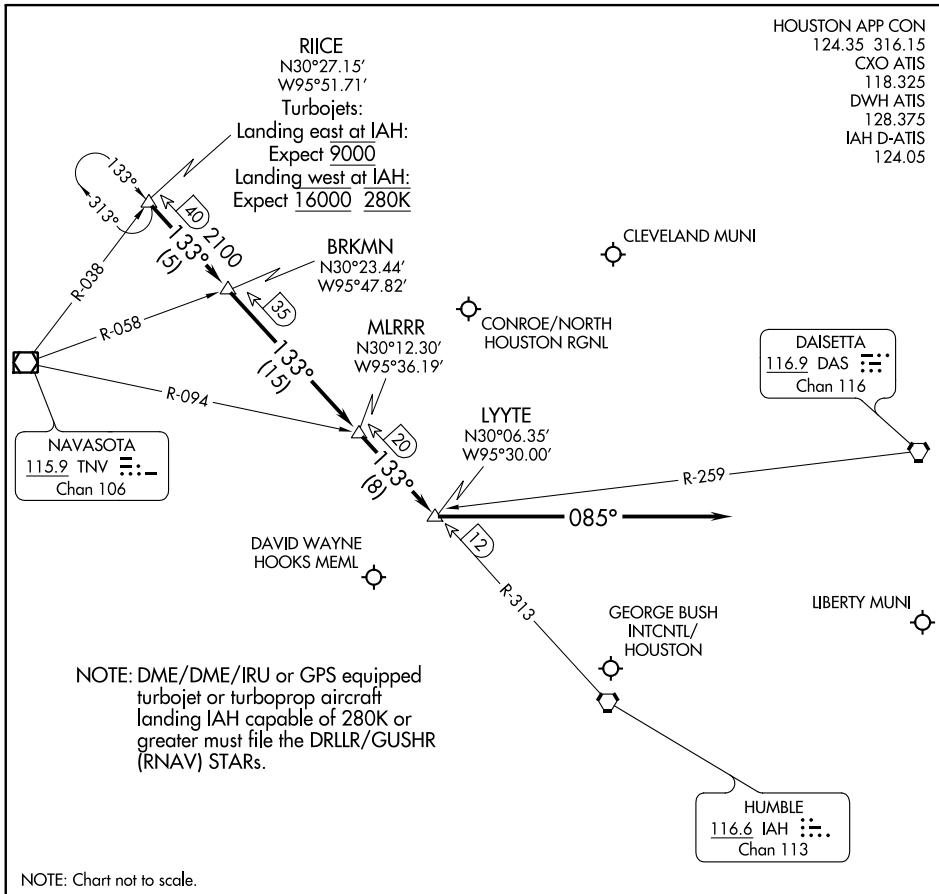
Transition Routes

HOUSTON, TEXAS

RIICE NINE ARRIVAL

Arrival Routes

HOUSTON, TEXAS



SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

ARRIVAL ROUTE DESCRIPTION

GEORGE BUSH INTCNL/HOUSTON (IAH):

... From over RIICE on IAH R-313 to BRKMN, to MLRRR, to LYYTE.

LANDING RUNWAY 26L/R or 27:

... Fly heading 085° for vectors to final approach course.

LANDING ALL OTHER RUNWAYS:

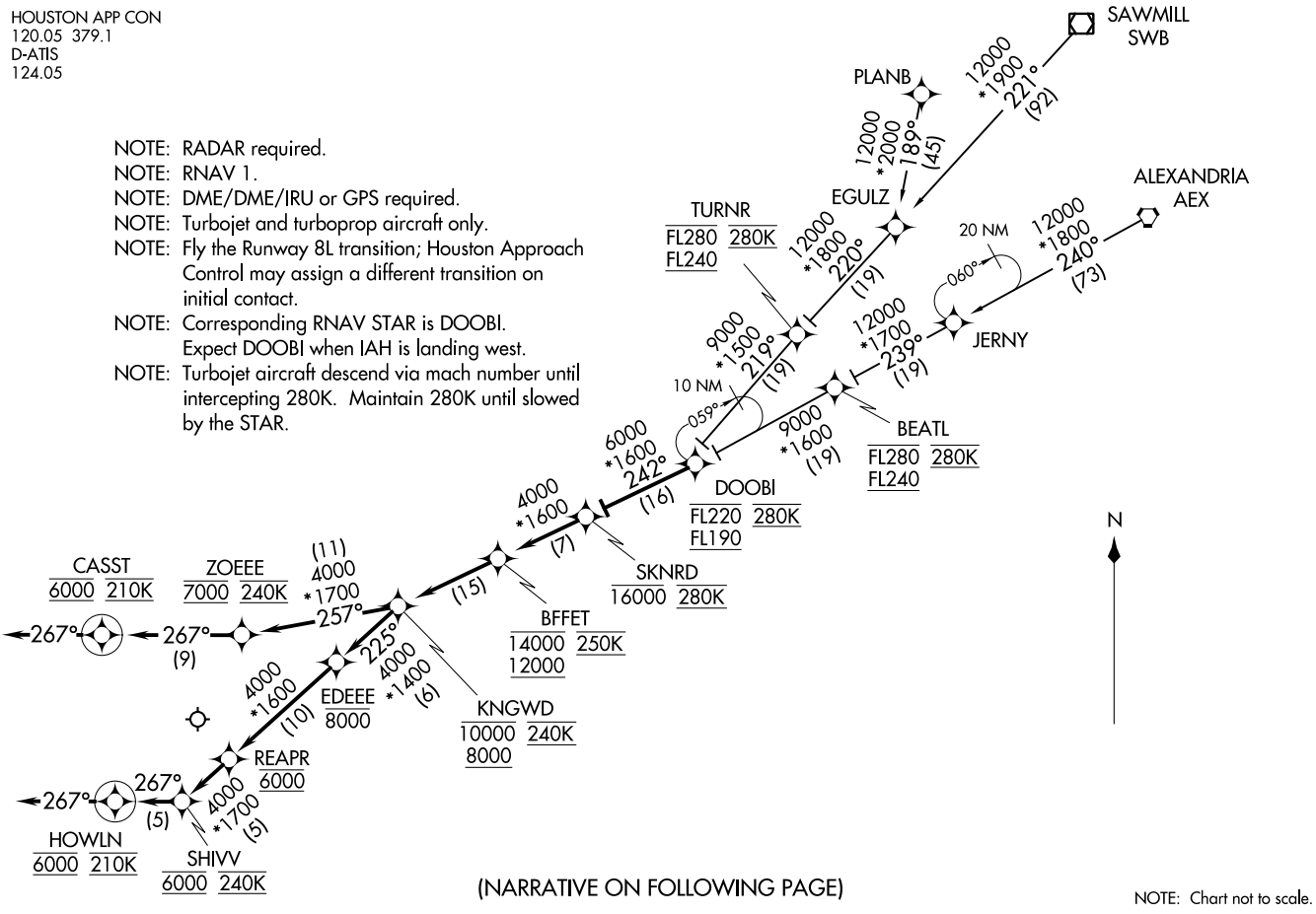
... Expect vectors to final approach course at or prior to LYYTE.

FOR ALL OTHER AIRPORTS:

... From over RIICE on IAH R-313 to BRKMN, thence as depicted to LYYTE expect vectors to final approach course at or prior to LYYTE.

HOUSTON APP CON
120.05 379.1
D-ATIS
124.05

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Fly the Runway 8L transition; Houston Approach Control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is DOOBI.
- NOTE: Expect DOOBI when IAH is landing west.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SKNRD FOUR ARRIVAL (RNAV)
(DOOBI, SKNRD4) 25JUN15

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

(DOOBI, SKNRD4) 21112
SKNRD FOUR ARRIVAL (RNAV) AL-5461 (FAA)
HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.SKNRD4):

PLANB TRANSITION (PLANB.SKNRD4):

SAWMILL TRANSITION (SWB.SKNRD4):

From DOOBI on track 242° to cross SKNRD at or below 16000 and at 280K.

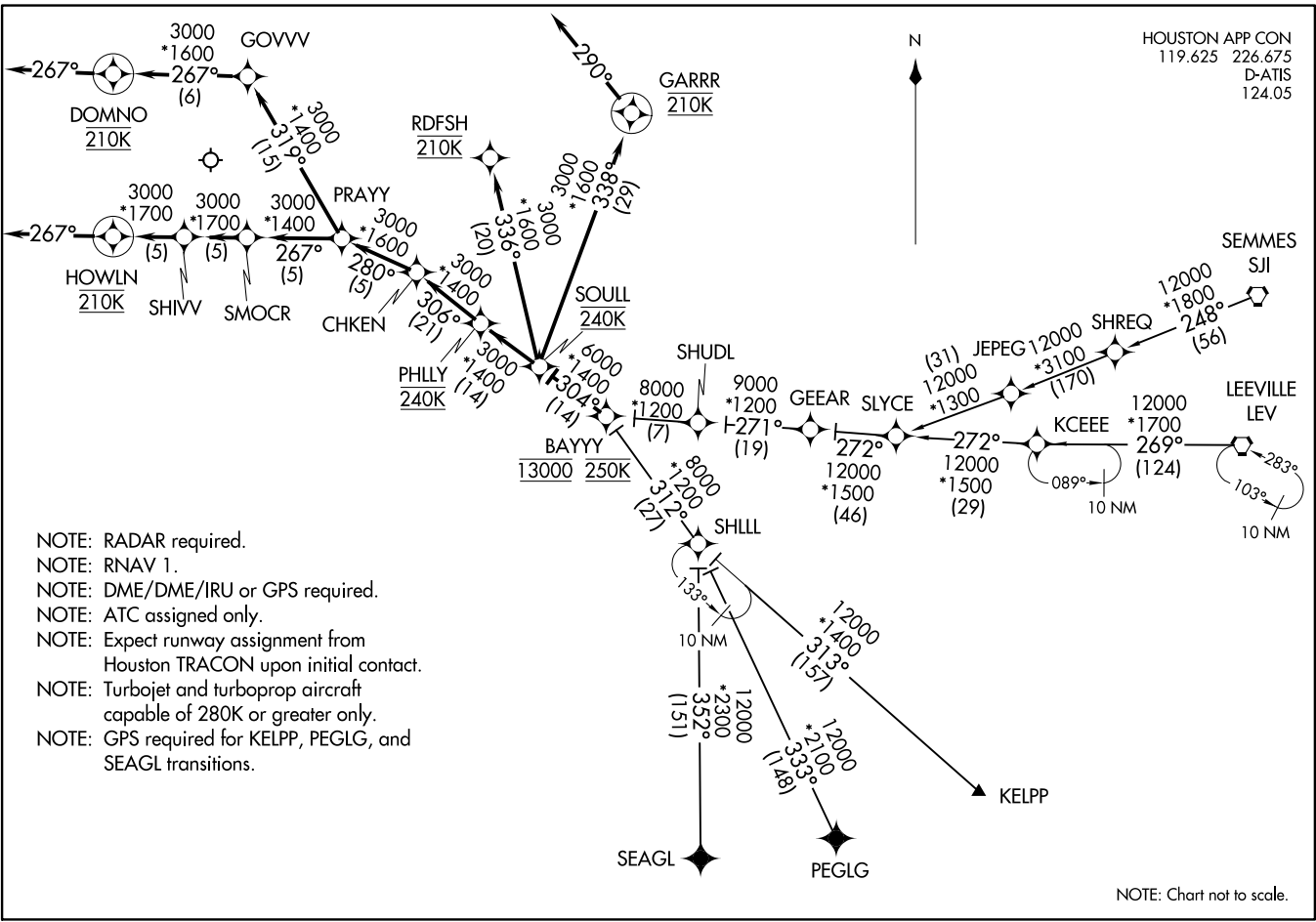
LANDING RUNWAY 8L: From SKNRD on track 242° to cross BFFET at or above 12000 and, at or below 14000 and at 250K, then on track 242° to cross KINGWD at or above 8000, at or below 10000 and at 240K, then on track 257° to cross ZOEEE at 7000 and at 240K, then on track 267° to cross CASST at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 8R, 9: From SKNRD on track 242° to cross BFFET at or above 12000, at or below 14000 and at 250K, then on track 242° to cross KINGWD at or above 8000, at or below 10000 and at 240K, then on track 225° to cross EDEEE at or below 8000, then on track 225° to cross REAPR at 6000, then on track 225° to cross SHIVV at 6000 and at 240K, then on track 267° to cross HOWLN at 6000 and at 210K, then on track 267°. Expect RADAR vectors to final approach course.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

HOUSTON APP CON
 119.625 226.675
 D-ATIS
 124.05



- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: ATC assigned only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Turbojet and turboprop aircraft capable of 280K or greater only.
- NOTE: GPS required for KELPP, PEGLG, and SEAGL transitions.

NOTE: Chart not to scale.

KCEEE TRANSITION (KCEEE.SOULL1):

KELPP TRANSITION (KELPP.SOULL1):

LEEVILLE TRANSITION (LEV.SOULL1):

PEGLG TRANSITION (PEGLG.SOULL1):

SEAGL TRANSITION (SEAGL.SOULL1):

SHLLL TRANSITION (SHLLL.SOULL1):

SEMMES TRANSITION (SJI.SOULL1):

ARRIVAL ROUTE DESCRIPTION

From BAYYY on track 304° to SOULL at 240K.

LANDING RUNWAY 8L: From SOULL on track 304° to PHLLY at 240K, then on track 306° to CHKEN, then on track 280° to PRAYY, then on track 319° to GOVVV, then on track 267° to DOMNO at 210K, then on track 267° at 210K. Expect vectors to final approach course.

LANDING RUNWAY 8R: From SOULL on track 304° to PHLLY at 240K, 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 at 210K, then on track 267°. Expect vectors to final approach course.

LANDING RUNWAY 9: From SOULL on track 304° to PHLLY at 240K, 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 at 210K, then on track 267°. Expect vectors to final approach course.

LANDING RUNWAY 26L: From SOULL on track 338° to GARRR at 210K. Expect ILS or LOC Rwy 26L.

LANDING RUNWAY 26R: From SOULL on track 338° to GARRR at 210K, then on track 290° at 210K. Expect vectors to final approach course.

LANDING RUNWAY 27: From SOULL on track 336° to RDFSH at 210K. Expect ILS or LOC Rwy 27.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

TEJAS FIVE ARRIVAL (RNAV) Transition Routes

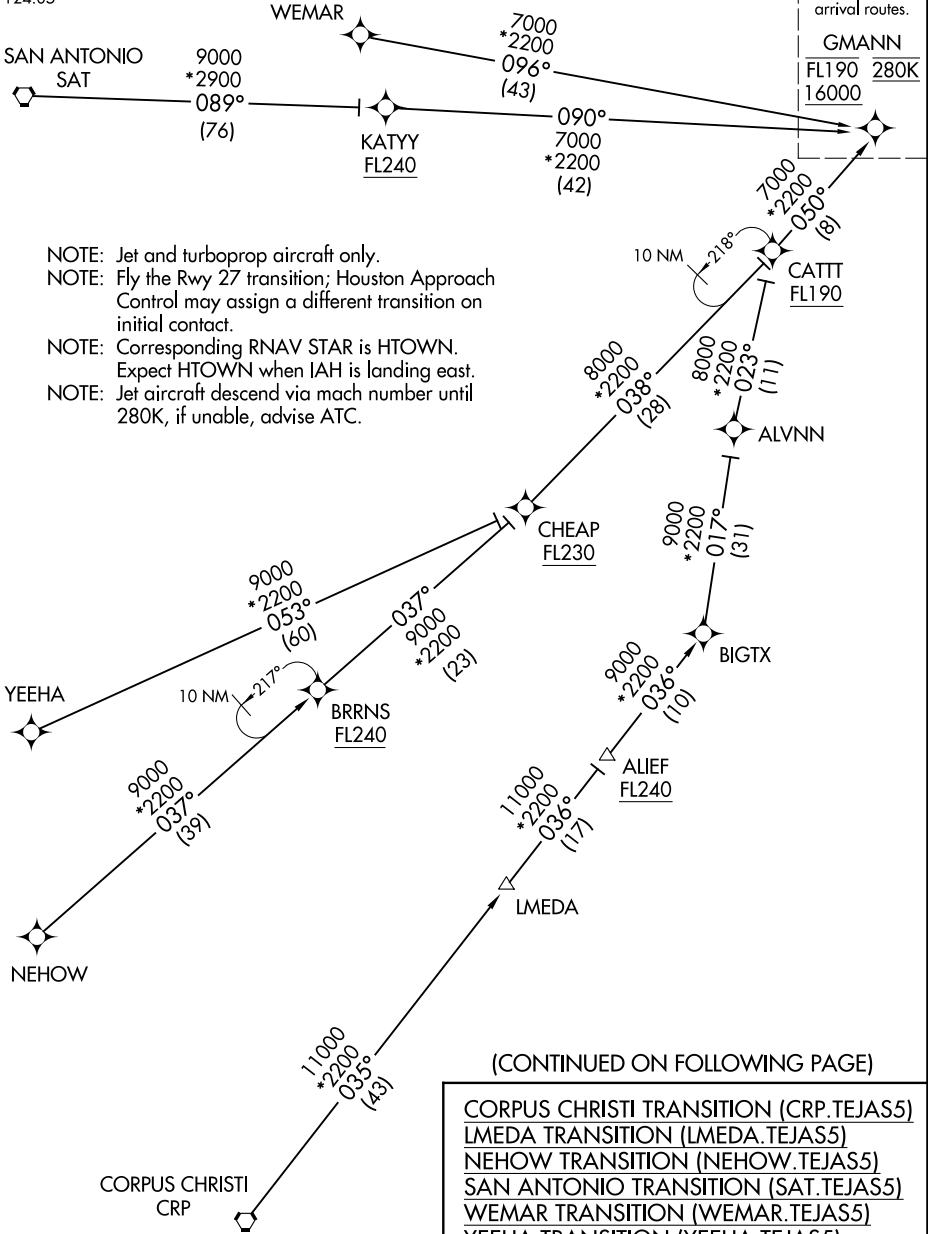
HOUSTON, TEXAS

HOUSTON APP CON
119.175 291.675
D-ATIS
124.05

RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

See following page for arrival routes.

GMANN
FL190 280K
16000



- NOTE: Jet and turboprop aircraft only.
- NOTE: Fly the Rwy 27 transition; Houston Approach Control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is HTOWN. Expect HTOWN when IAH is landing east.
- NOTE: Jet aircraft descend via mach number until 280K, if unable, advise ATC.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

(CONTINUED ON FOLLOWING PAGE)

- CORPUS CHRISTI TRANSITION (CRP.TEJAS5)
- LMEDA TRANSITION (LMEDA.TEJAS5)
- NEHOW TRANSITION (NEHOW.TEJAS5)
- SAN ANTONIO TRANSITION (SAT.TEJAS5)
- WEMAR TRANSITION (WEMAR.TEJAS5)
- YEEHA TRANSITION (YEEHA.TEJAS5)

NOTE: Chart not to scale.

TEJAS FIVE ARRIVAL (RNAV) Transition Routes

HOUSTON, TEXAS

TEJAS FIVE ARRIVAL (RNAV) Arrival Routes
 (GMANN, TEJAS5) 05OCT23
 HOUSTON, TEXAS
 GEORGE BUSH INTL/NTL/HOUSTON (IAH)

ARRIVAL ROUTE DESCRIPTION

From GMANN on track 058° to cross CITTE at or below 16000, then on track 059° to cross TEJAS between 12000 and 14000 and at 250K.

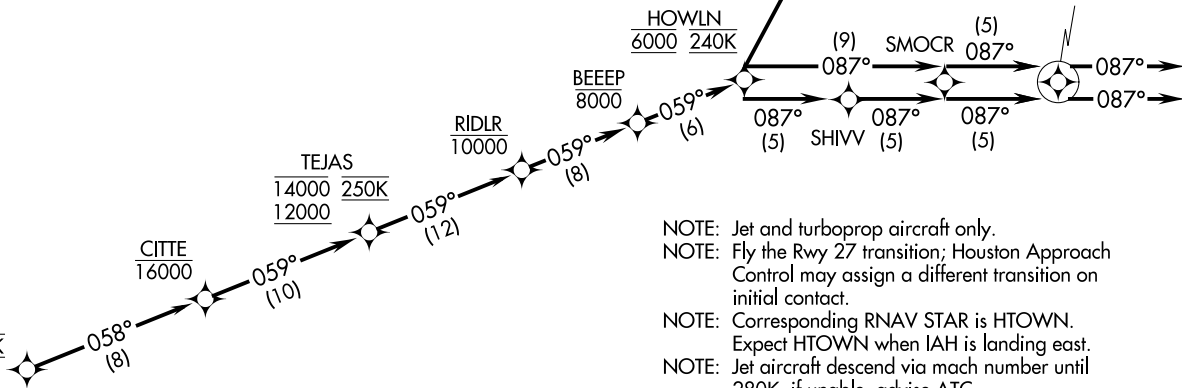
LANDING RUNWAY 26L: From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240K, then on track 087° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210K, then on track 087°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 26R: From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240K, then on track 034° to ZOEER, then on track 087° to cross SKLER at 6000 and at 210K, then on track 087°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 27: From TEJAS on track 059° to cross RIDLR at or below 10000, then on track 059° to cross BEEEP at or below 8000, then on track 059° to cross HOWLN at 6000 and at 240K, then on track 087° to SHIVV, then on track 087° to SMOCR, then on track 087° to cross PRAYY at 6000 and at 210K, then on track 087°. Expect RADAR vectors to final approach course.

RNAV 1 - DME/DME/IRU or GPS.
 RADAR required.

HOUSTON APP CON
 119.175 291.675
 D-ATIS
 124.05



- NOTE: Jet and turboprop aircraft only.
- NOTE: Fly the Rwy 27 transition; Houston Approach Control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is HTOWN. Expect HTOWN when IAH is landing east.
- NOTE: Jet aircraft descend via mach number until 280K, if unable, advise ATC.

(GMANN, TEJAS5) 23278
 AL-5461 (FAA)
 TEJAS FIVE ARRIVAL (RNAV) Arrival Routes
 GEORGE BUSH INTL/NTL/HOUSTON (IAH)
 HOUSTON, TEXAS

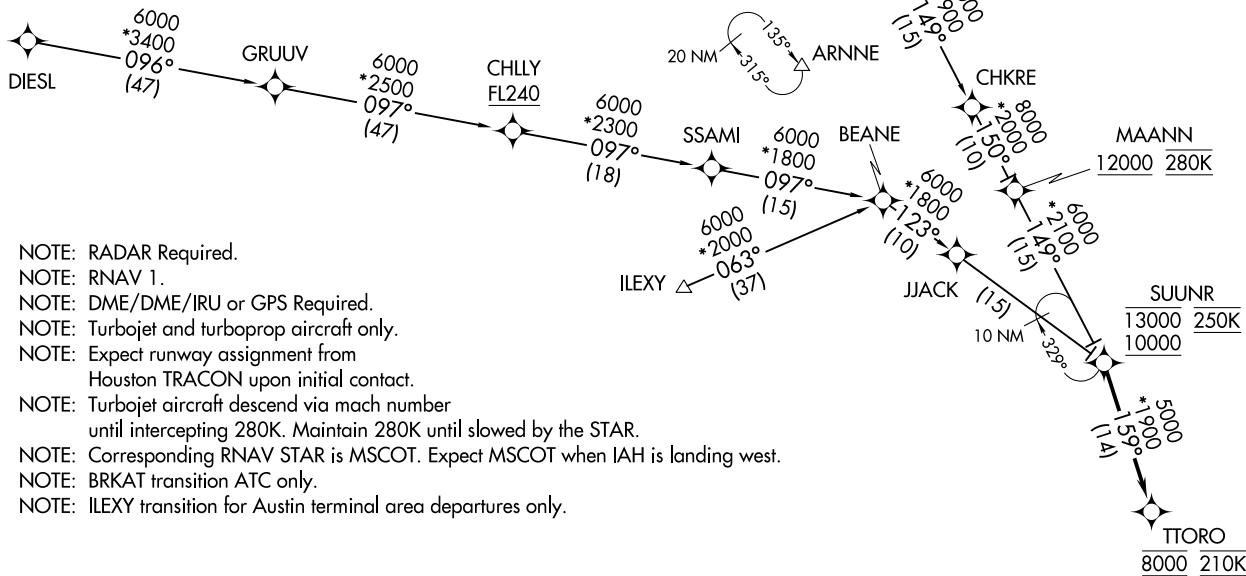
HOUSTON APP CON
124.35 316.15
D-ATIS
124.05



ARRIVAL ROUTE DESCRIPTION

BRKAT TRANSITION (BRKAT.TTORO3):
CHLLY TRANSITION (CHLLY.TTORO3):
DIESL TRANSITION (DIESL.TTORO3):
ILEXY TRANSITION (ILEXY.TTORO3):

From SUUNR on track 159° to cross TTORO at 8000 and at 210K.
Expect ILS or LOC RWY 8R.



- NOTE: RADAR Required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS Required.
- NOTE: Turbojet and turboprop aircraft only.
- NOTE: Expect runway assignment from Houston TRACON upon initial contact.
- NOTE: Turbojet aircraft descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR.
- NOTE: Corresponding RNAV STAR is MSCOT. Expect MSCOT when IAH is landing west.
- NOTE: BRKAT transition ATC only.
- NOTE: ILEXY transition for Austin terminal area departures only.

NOTE: Chart not to scale.

(SUUNR, TTORO3) 21112
TTORO THREE ARRIVAL (RNAV)

AL-5461 (FAA)

GEORGE BUSH INTCNL/HOUSTON (IAH)
HOUSTON, TEXAS

TTORO THREE ARRIVAL (RNAV)
(SUUNR, TTORO3) 30APR15

HOUSTON, TEXAS
GEORGE BUSH INTCNL/HOUSTON (IAH)

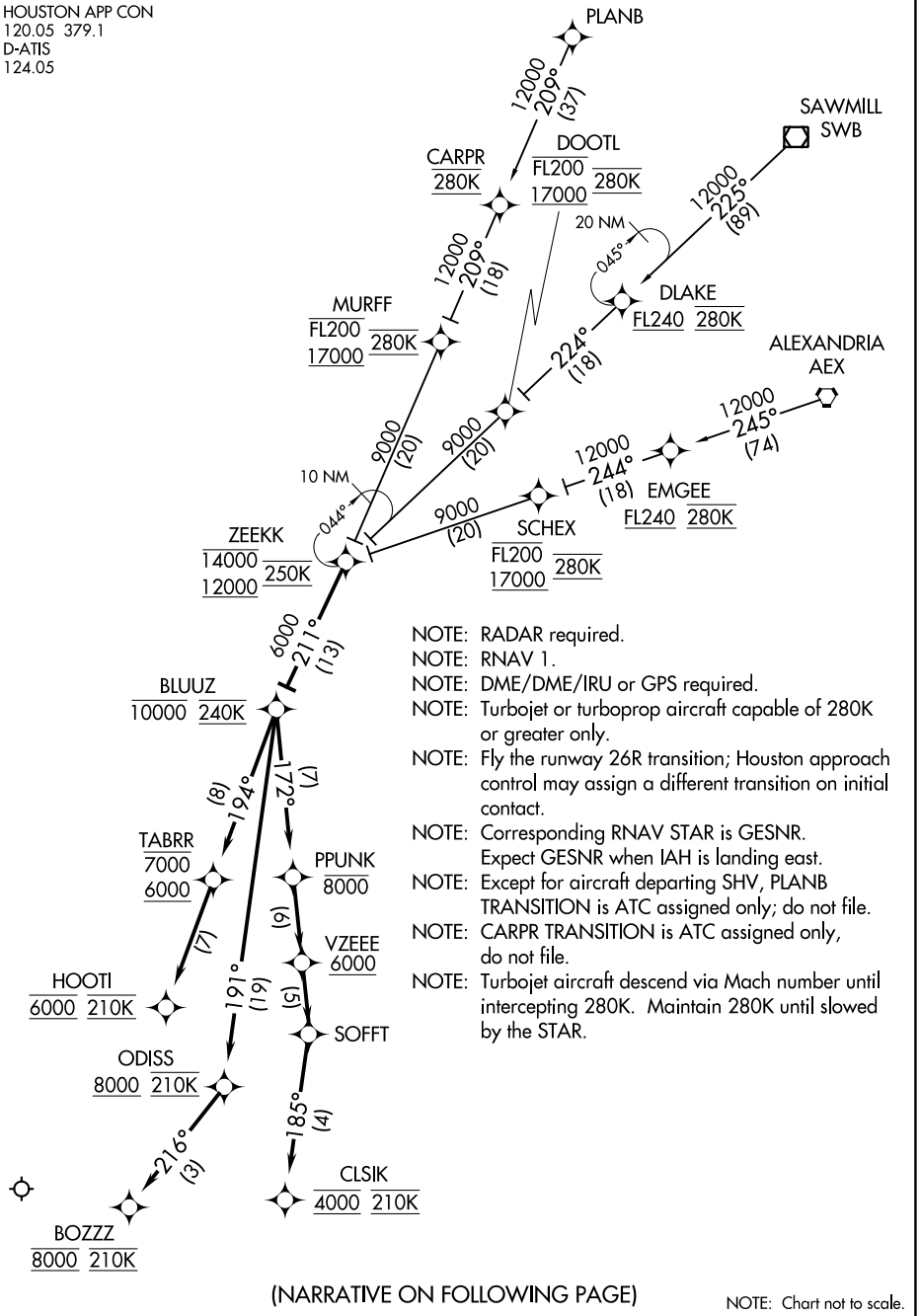
(ZEEKK.ZEEKK2) 21112

GEORGE BUSH INTCNL/HOUSTON (IAH)

ZEEKK TWO ARRIVAL (RNAV) AL-5461 (FAA)

HOUSTON, TEXAS

HOUSTON APP CON
120.05 379.1
D-ATIS
124.05



- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet or turboprop aircraft capable of 280K or greater only.
- NOTE: Fly the runway 26R transition; Houston approach control may assign a different transition on initial contact.
- NOTE: Corresponding RNAV STAR is GESNR. Expect GESNR when IAH is landing east.
- NOTE: Except for aircraft departing SHV, PLANB TRANSITION is ATC assigned only; do not file.
- NOTE: CARPR TRANSITION is ATC assigned only, do not file.
- NOTE: Turbojet aircraft descend via Mach number until intercepting 280K. Maintain 280K until slowed by the STAR.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

ZEEKK TWO ARRIVAL (RNAV)

HOUSTON, TEXAS

(ZEEKK.ZEEKK2) 07DEC17

GEORGE BUSH INTCNL/HOUSTON (IAH)

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024

ARRIVAL ROUTE DESCRIPTION

ALEXANDRIA TRANSITION (AEX.ZEEKK2)

CARPR TRANSITION (CARPR.ZEEKK2)

PLANB TRANSITION (PLANB.ZEEKK2)

SAWMILL TRANSITION (SWB.ZEEKK2)

From ZEEKK on track 211° to cross BLUUZ at or below 10000 and at 240K.

LANDING RUNWAY 26L: From BLUUZ on track 191° to cross ODISS at or above 8000 and at 210K, then on track 216° to cross BOZZZ at 8000 and at 210K. Expect ILS or LOC RWY 26L approach.

LANDING RUNWAY 26R: From BLUZZ on track 194° to cross TABRR between 6000 and 7000, then on track 194° to cross HOOTI at 6000 and at 210K. Expect ILS or LOC RWY 26R approach.

LANDING RUNWAY 27: From BLUUZ on track 172° to cross PPUNK at or below 8000, then on track 172° to cross VZEEE at or above 6000, then on track 172° to SOFFT, then on track 185° to cross CLSIK at 4000 and at 210K. Expect ILS or LOC RWY 27 approach.

SC-5, 22 FEB 2024 to 21 MAR 2024

SC-5, 22 FEB 2024 to 21 MAR 2024