

MMUGS FOUR DEPARTURE (RNAV)
HOUSTON, TEXAS
MMUGS4.MMUGS) 10DEC15
GEORGE BUSH INTNCNTL/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
6L/R, 9, 27)
5L/R, 33L/R)
ON TOWER
Rwys 8L, 26R)
Rwys 8R, 26L)
5L/R, 33L/R)
Rwys 9, 27)
N DEP CON
25 269.075

12000
 *1700
 079°
 (48)

LAKE CHARLES LCH

12000
 *1500
 080°
 (60)

SPINY

GUSTI

12000
 *1700
 088°
 (87)

SABINE PASS SBI

WHITE LAKE LLA

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.

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

T		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, 03 SEP 2026 to 01 OCT 2026

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