

LOC/DME I-UPU <b>111.3</b> Chan <b>50</b>	APP CRS <b>311°</b>	Rwy Ldg TDZE <b>43</b> Apt Elev <b>46</b>
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# ILS or LOC RWY 31L

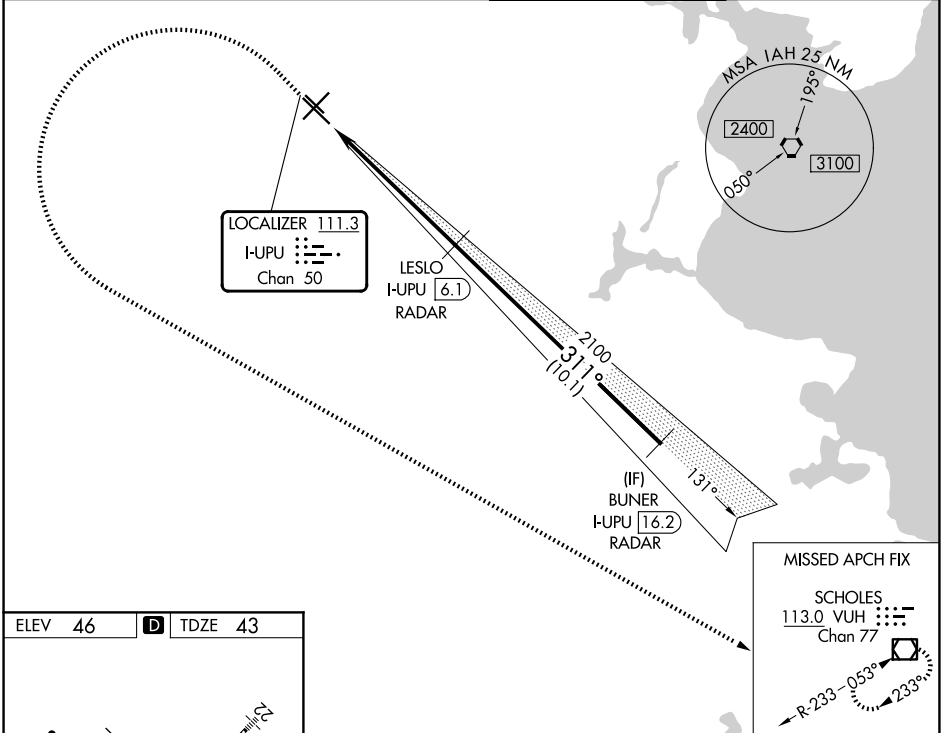
WILLIAM P HOBBY (HOU)

RADAR or DME required for LOC only.  
RADAR required for procedure entry.

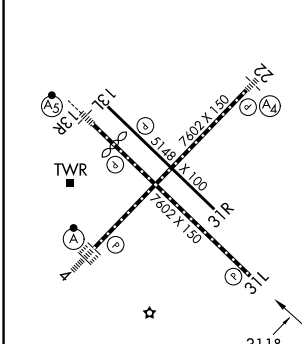
**▼**  
**▲**

MISSED APPROACH: Climb to 1000 then climbing left turn to 3000 direct VUH VOR/DME and hold.

D-ATIS <b>124.6</b>	HOUSTON APP CON <b>120.05 379.1 (E)</b> <b>124.35 316.15 (W)</b>	HOBBY TOWER <b>118.7 256.9</b>	GND CON <b>121.9</b>
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ELEV 46	<b>D</b>	TDZE 43
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REIL RWY 31L  
MIRL RWY 13L-31R  
HIRL RWYS 4-22 and 13R-31L  
TDZL/RCLS RWYS 4, 13R and 31L

FAF to MAP 6.3 NM

Knots	60	90	120	150	180
Min:Sec	6:18	4:12	3:09	2:31	2:06

1000	3000	VUH	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 76).	BUNER I-UPU [16.2] RADAR
*LOC only	*I-UPU [1.1]	LESLO I-UPU [6.1] RADAR	2100	311°
			2100	4000
	1.3	5 NM	10.1 NM	GS 3.00° TCH 58
CATEGORY	A	B	C	D
S-ILS 31L	243/40		200 (200-3/4)	
S-LOC 31L	520/55	477 (500-1)	520-1 3/8 477 (500-1 3/8)	
CIRCLING	520-1	474 (500-1)	740-2 1/4 694 (700-2 1/4)	