

05-JUL-2018

**EFD-KEFD****1-10****AOI****AOI****GENERAL****Operational Hours****ATS Hours:** H24**AD OPS Hours:** Attended continuously**Airport Information**

**RFF:** FAA Index A / CAT 5  
**Fuel:** JET A  
**PCN:** RWY 04/22: 110/R/B/W/T  
           RWY 17L/35R: 12/R/C/W/T  
           RWY 17R/35L: 120/R/B/W/T

**Operation****Traffic Note**

24H PPR for ACFT with wingspan 52m /171ft or above.

**RWY Restriction**

RWY 17L/35R not AVBL for ACFT OPS with more than 9 PAX seats.

RWY 17L/35R between TWY C and G can be used as TWY.

**TWY Restriction**

TWY B east of RWY 17R/35L not AVBL for ACFT OPS with more than 9 PAX seats.

TWY B unlighted east of RWY 17R/35L, use HJ only.

**Noise Abatement Procedure**

Minimize flight and high PWR settings over populated areas, especially SE of AD.

Jet ACFT restricted to straight-in, full stop LDG only between 0400-1300‡ daily, SUN 0400-1900‡.

On DEP jet ACFT MNM use of afterburners and climb RWY HDG to 1000ft prior to turn.

Climb to pattern ALT as soon as possible.

**Warnings**

MIL ACFT at 1600ft ASL making overhead APCHs.

Caution do not mistake street lights located 213m / 700ft east of RWY 17R for APCH lights.

Birds in vicinity of AD.

**EFD-KEFD****1-20****AOI****AOI****ARRIVAL****Speed**

MAX IAS 250KT below 10000ft.

**Communication**

Air carrier OPS of 9 PAX or more notify 15min prior ARR.

**COM Failure:** See CRAR.**Arrival Procedure****VFR Traffic Pattern**

RWY 35R/L, 04 right-hand circuit.

| Traffic pattern ALT: 1067ft AGL rectangular, 1567ft AGL overhead, 567ft AGL light ACFT.

**Non-standard GP intercept position on****RWY 22**

GP intercepts RWY 22 at 314m / 1030ft after landing threshold.

Remaining DIST beyond GP is 2125m / 6971ft.

**RWY 35L**

GP intercepts RWY 35L at 314m / 1030ft after landing threshold.

Remaining DIST beyond GP is 2429m / 7971ft.

**DEPARTURE****Take-off Minima**

RWY		22	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	MNM climb gradient 3.6% up to 300, or TKOF must occur no later than 1400ft/427m prior to RWY end SID BLTWY, SID BORRN, SID HOODO, SID INDIE, SID KARRR, SID LURIC, SID MMALT, SID STRYA, SID STYCK, SID WATFO, SID WYLSN: MNM climb gradient 8.3% up to 540
3+4 ENG		0 - 2400R/0.5V	

RWY		04, 17R/35L	
1+2 ENG	ft - ft/SM	0 - 5000R/1.0V	-
3+4 ENG		0 - 2400R/0.5V	SID BLTWY, SID BORRN, SID HOODO, SID INDIE, SID KARRR, SID LURIC, SID MMALT, SID STRYA, SID STYCK, SID WATFO, SID WYLSN: MNM climb gradient 8.3% up to 540

**Speed**

MAX IAS 250KT below 10000ft.

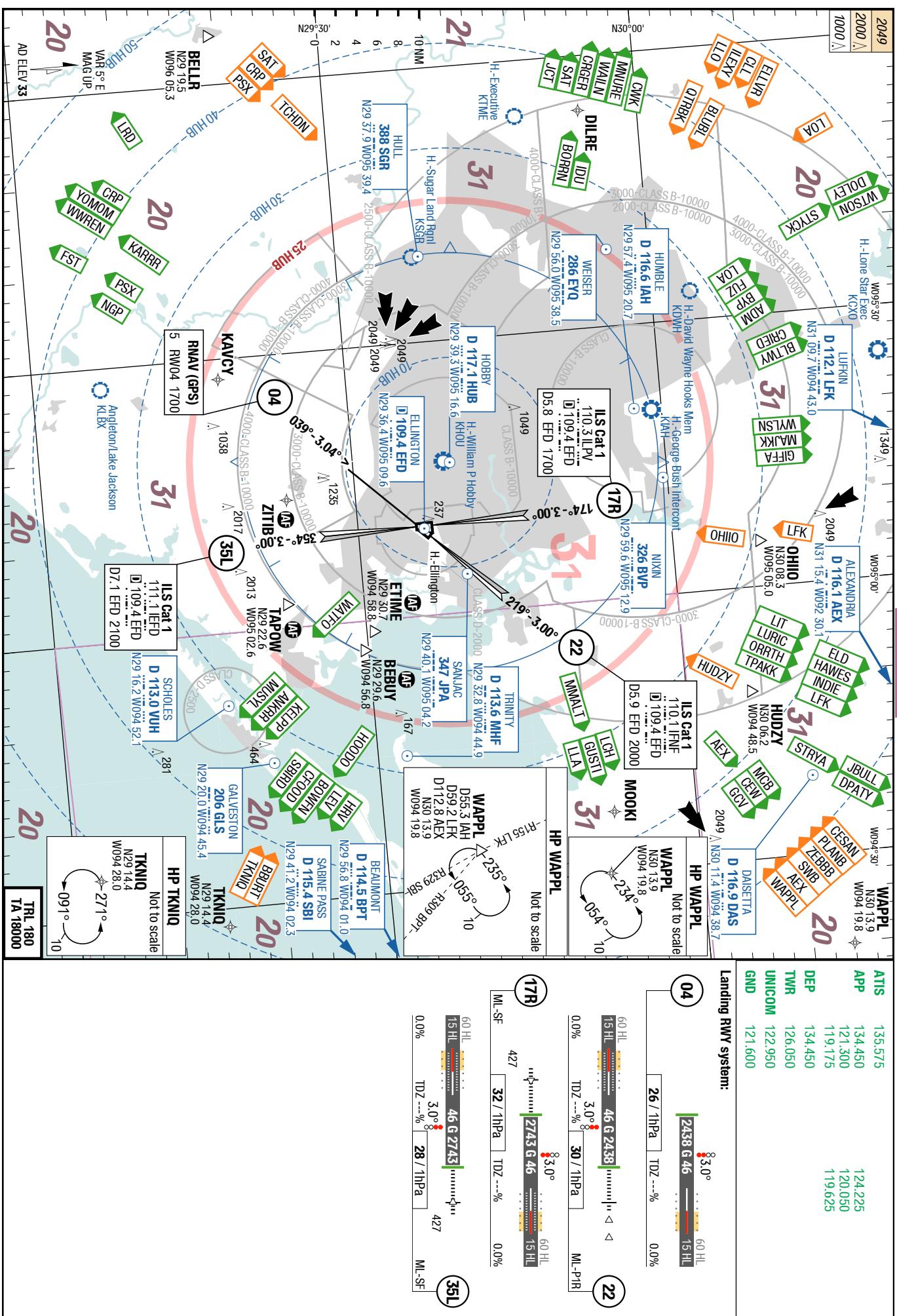
**Communication****COM Failure:** See CRAR.

20-APR-2017

EFD-KEFD

**2-10**  
**United States Houston Ellington**  
**AFC**

**AFC** Ellington Houston United States 



20-APR-2017

EFD-KEFD

United States Houston Ellington

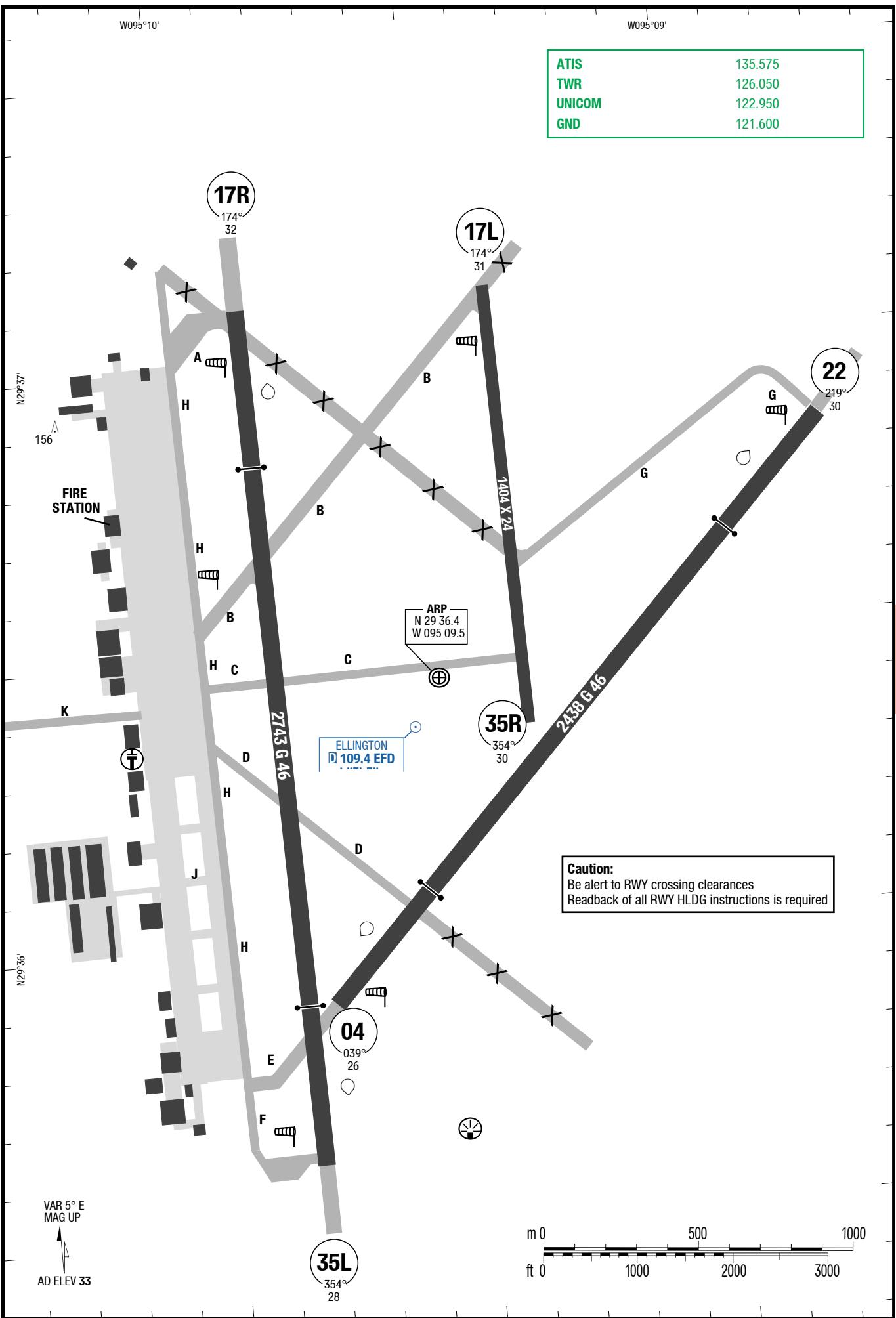
3-20

AGC  
AGC  
AGC  
AGC

Ellington Houston United States

ATIS	135.575
TWR	126.050
UNICOM	122.950
GND	121.600

**Caution:**  
Be alert to RWY crossing clearances  
Readback of all RWY HLDG instructions is required



**Effective 19-JUL-2018**

12-JUL-2018

EFD-KEFD

# United States **Houston** Ellington

RNAV BORRN 3 / KARRR 4

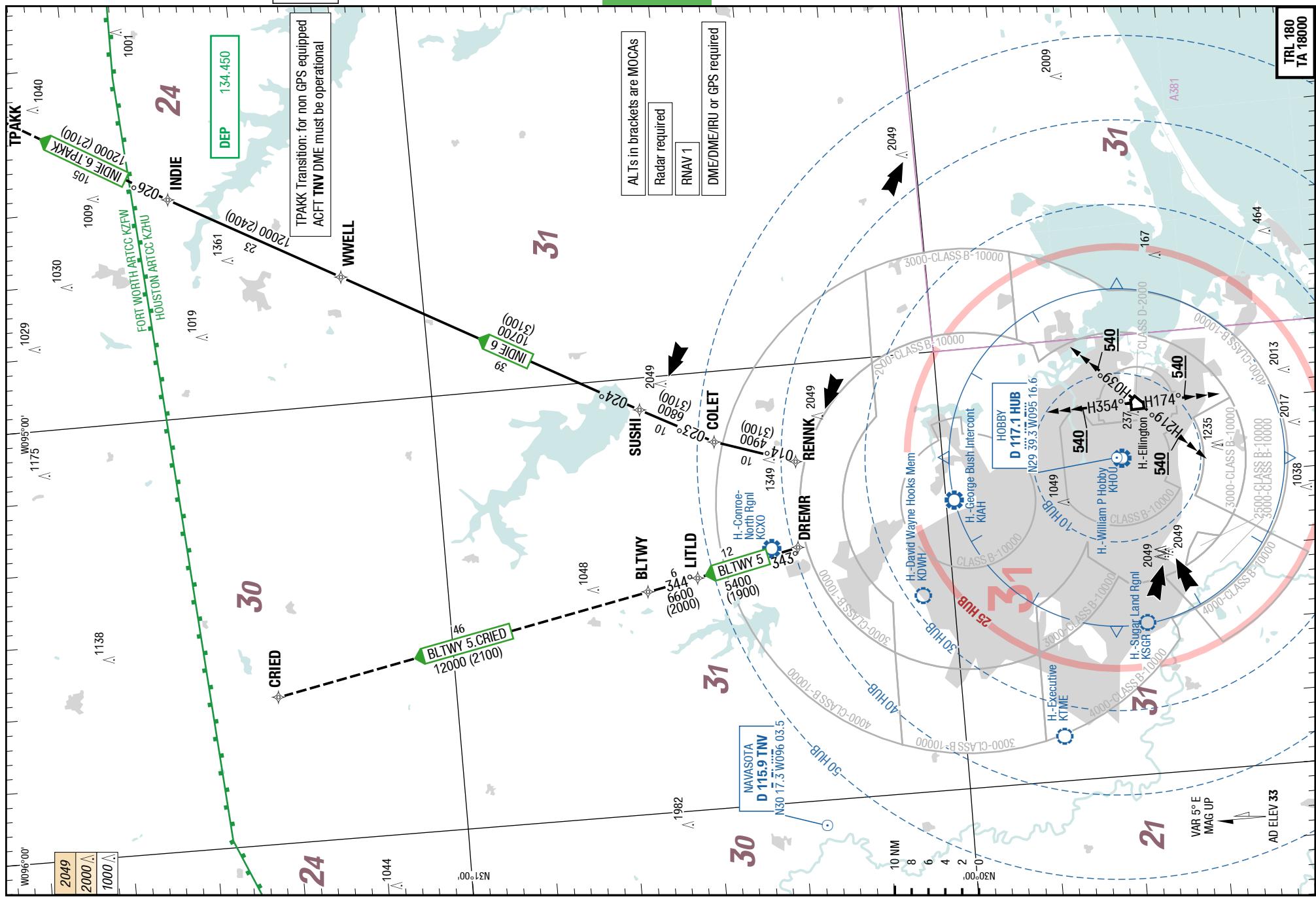
4-10

# RNAV BLTWY 5 / INDIE 6

Ellington **Houston** United States

**RNAV BORRN 3 / KARRR 4**

## RNAV BLTWY 5 / INDIE 6



**Effective 19-JUL-2018**

12.-III -2018

# United States **Houston** Ellington

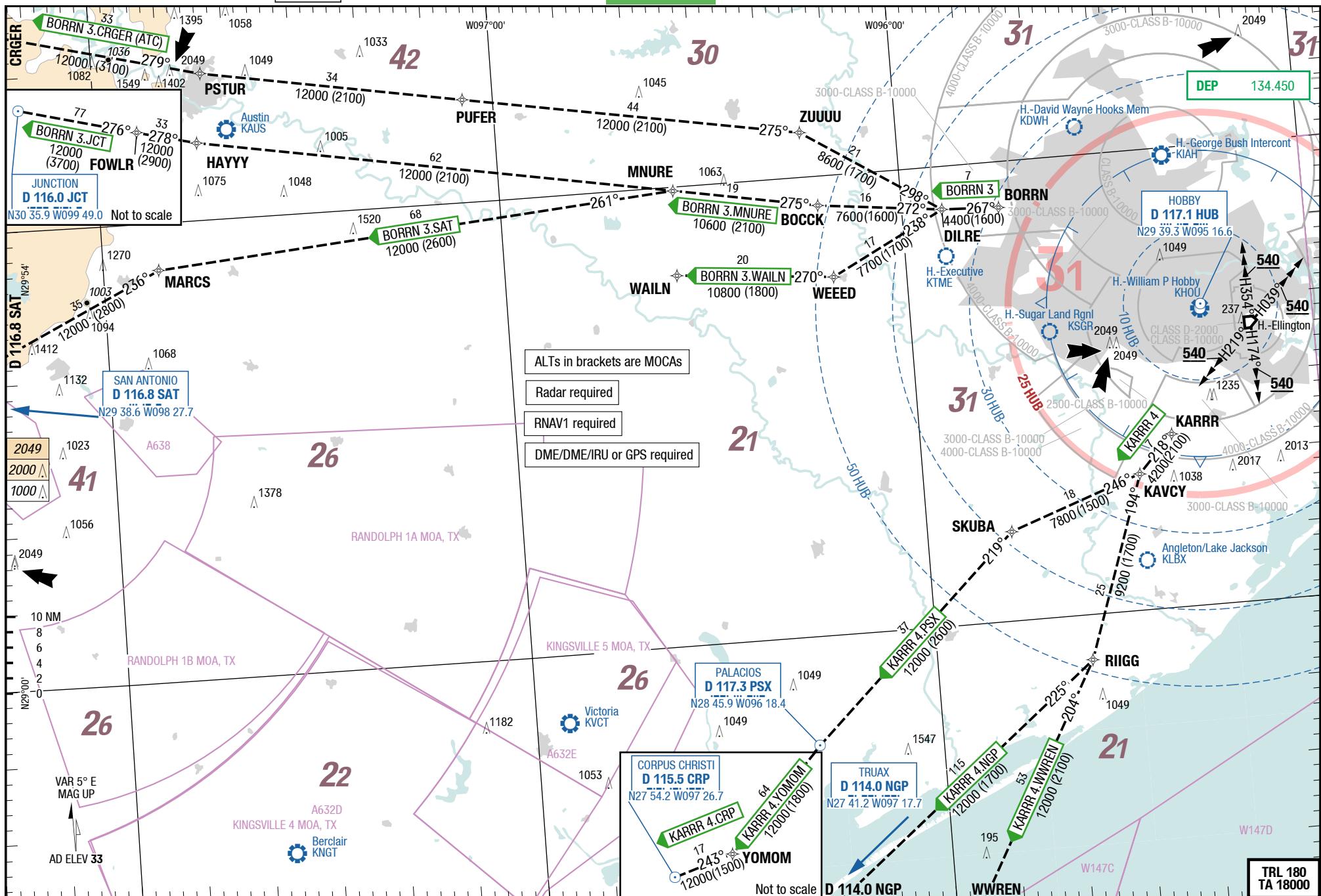
EFD-KEFD

**4-20 RNAV BORRN 3 / KARRR 4**

Ellington **Houston** United States

SID

**RNAV BORRN 3 / KARRR 4**





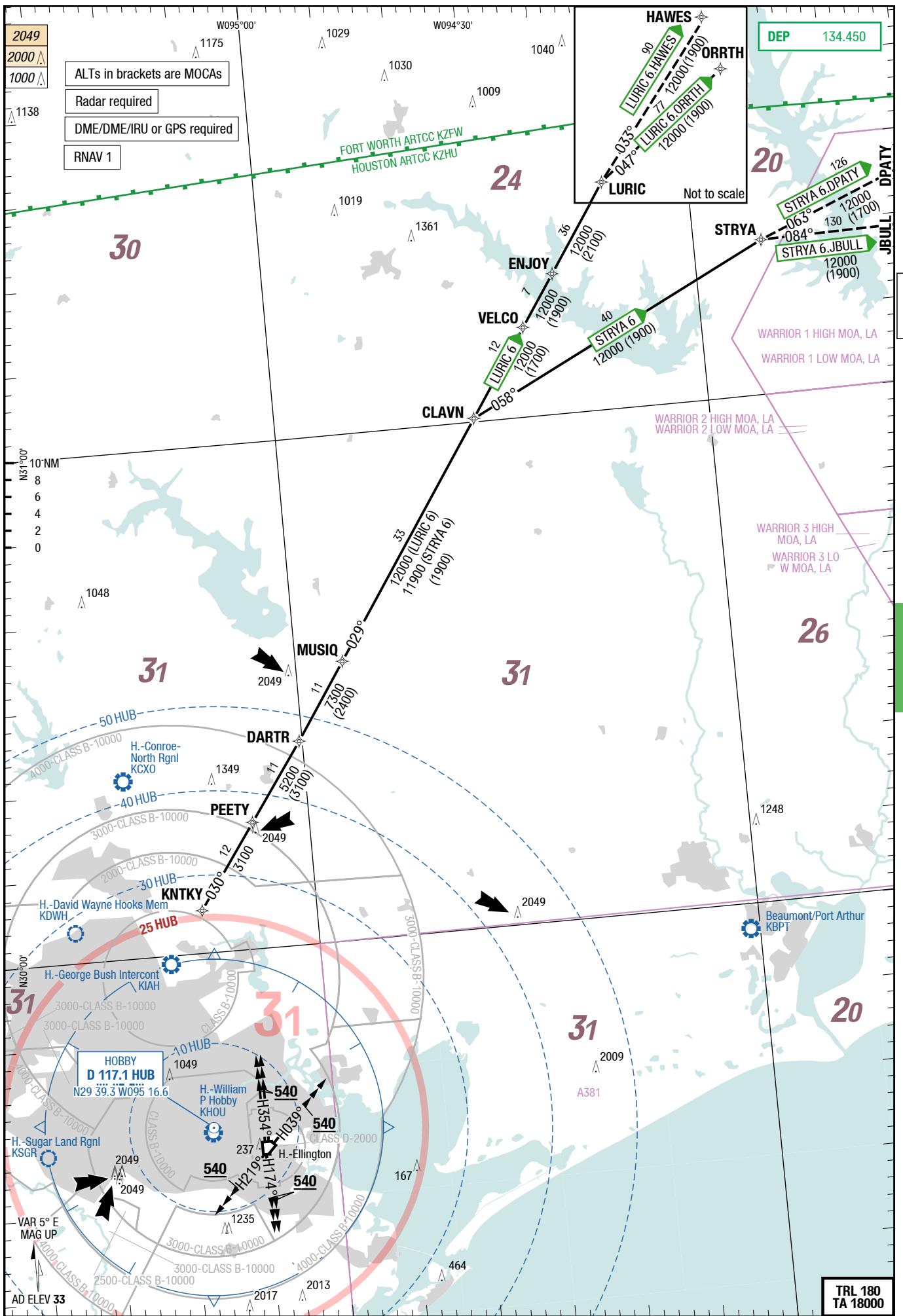
**Effective 19-JUL-2018**

EFD-KEFD

**4-40** United States Houston Ellington

SID

**Ellington Houston United States**

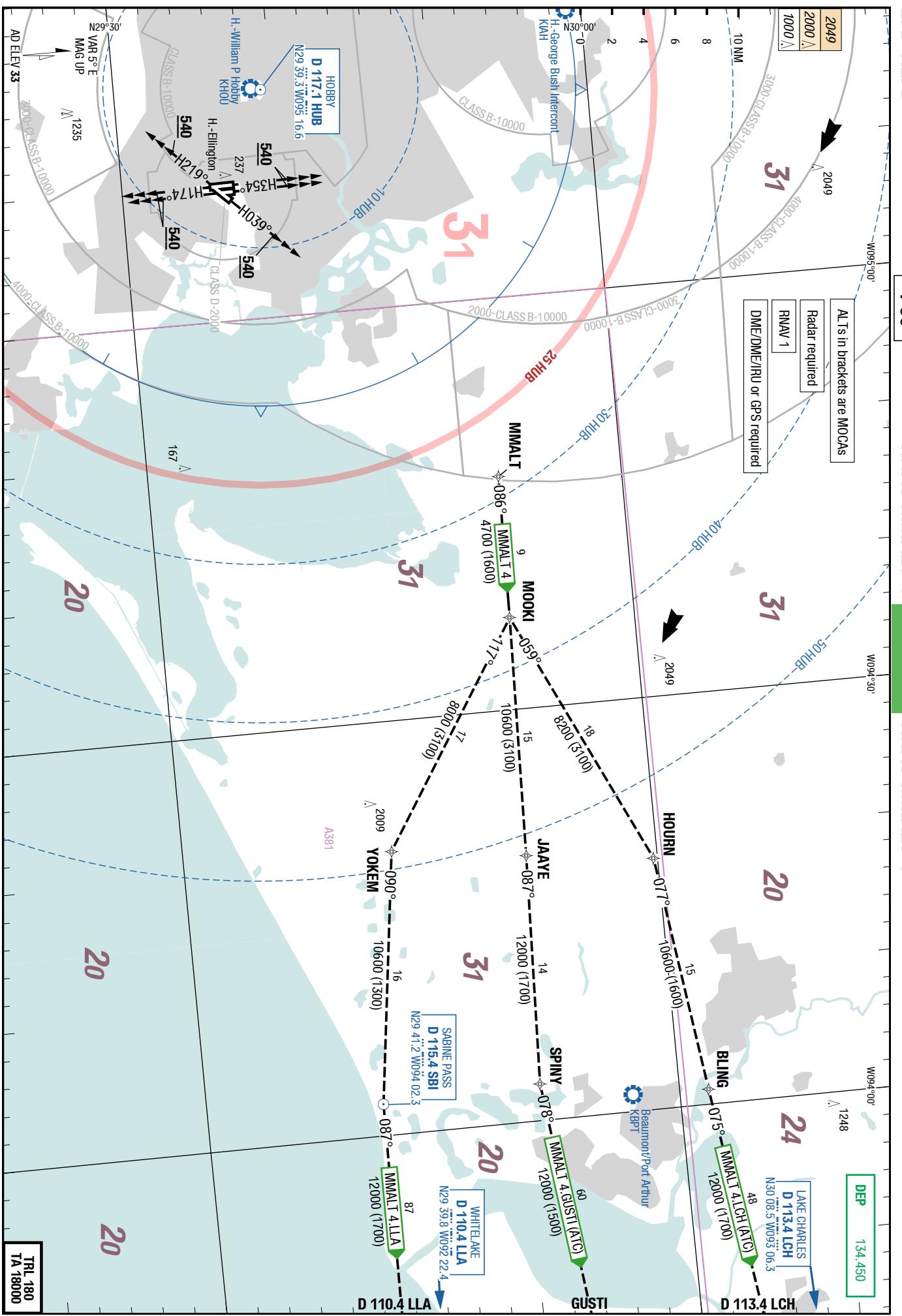


**Effective 19-JUL-2018**

EFD-KED

**RNAV MMA LT 4**

**Ellington Houston United States**  
RNAV STICK 6



## Changes: PROC renumbered

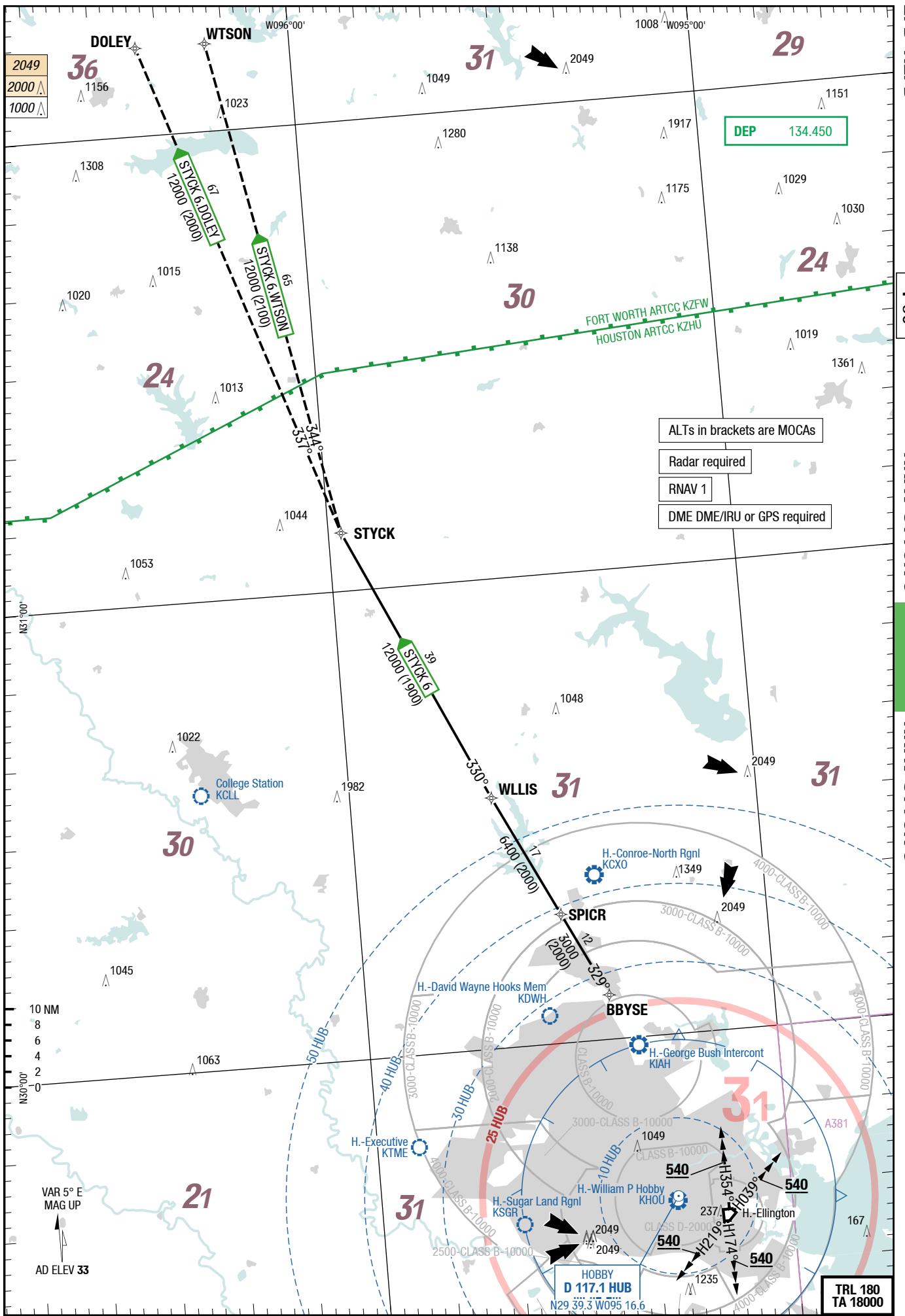
**Effective 19-JUL-2018**

EFD-KEFD

es Houston Ellington  
**RNAV STYCK 6**

**SID**

**Ellington Houston United States**



Effective 19-JUL-2018

12-JUL-2018

EFD-KEFD

United States Houston Ellington

AEX 1 / LFK 2

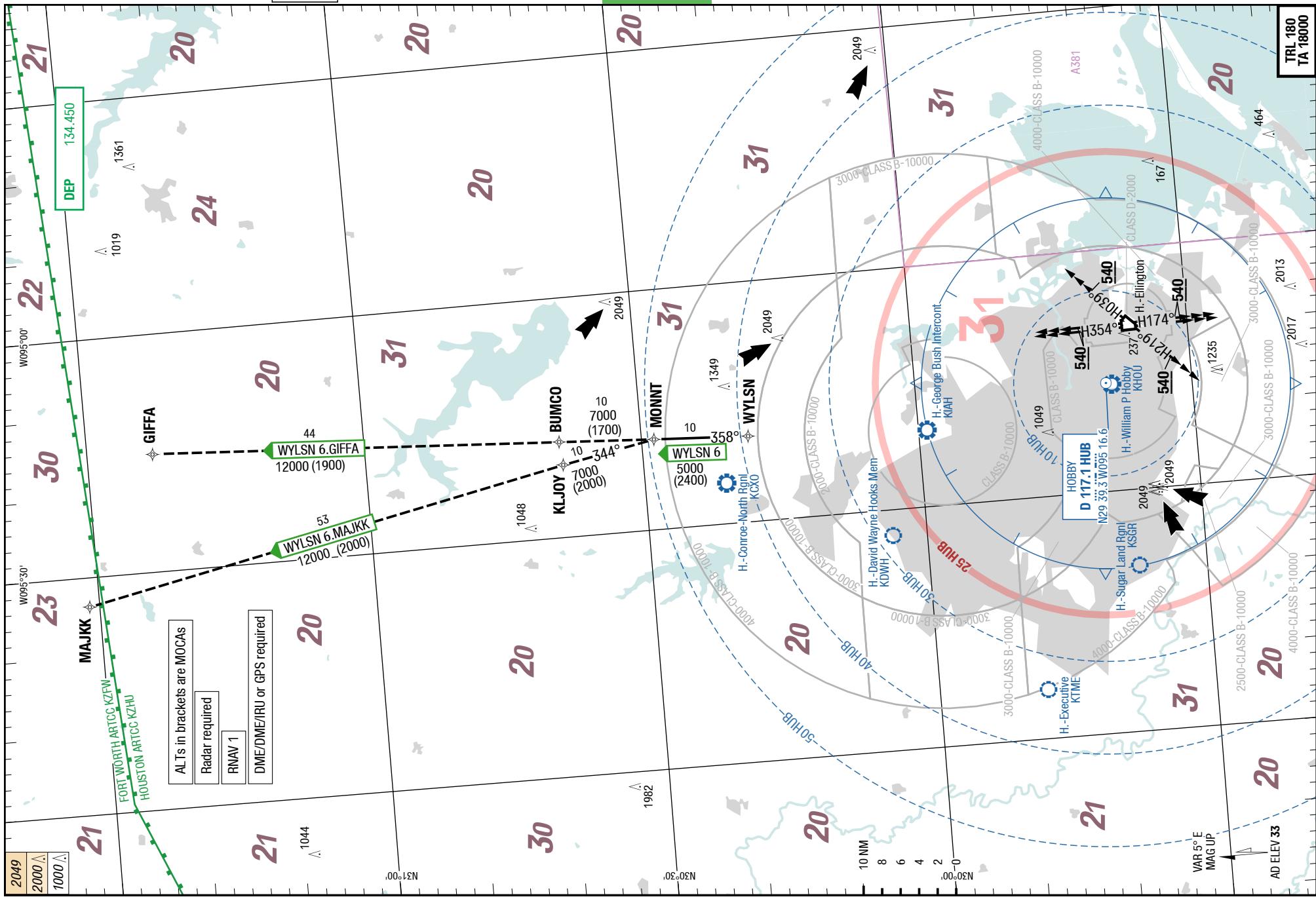
RNAV WYLSN 6

4-70

Ellington Houston United States

AEX 1 / LFK 2

RNAV WYLSN 6



Changes: ASP, PROC renumbered

**Effective 19-JUL-2018**

12-JUL-2018

# United States Houston Ellington

Ellington **Houston** United States

EFD-KEFD

-80

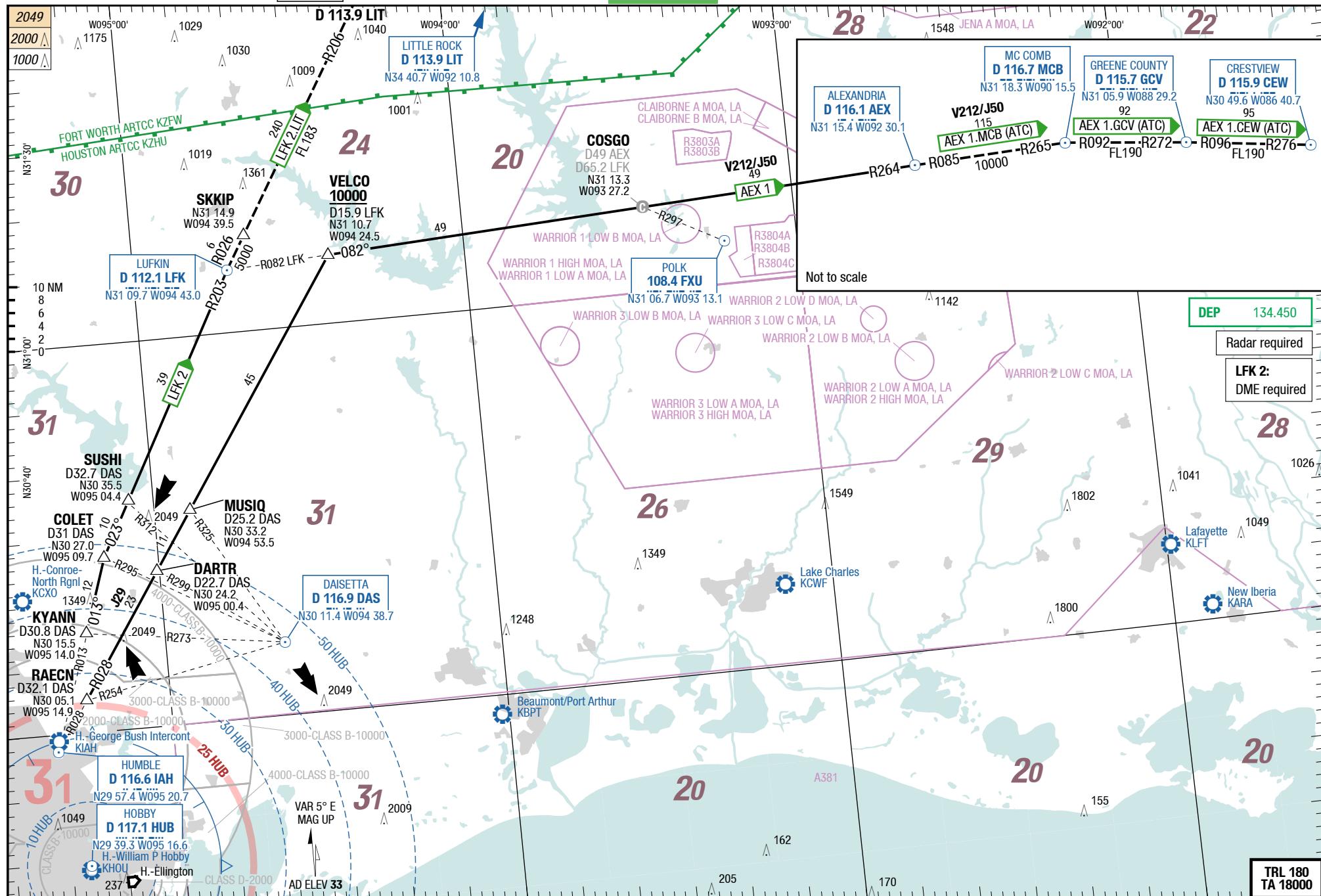
AEX 1 / LFK 2

SID

SD

AEX 1 / LFK 2

22



**Effective 22-JUN-2017**

15-JUN-2017

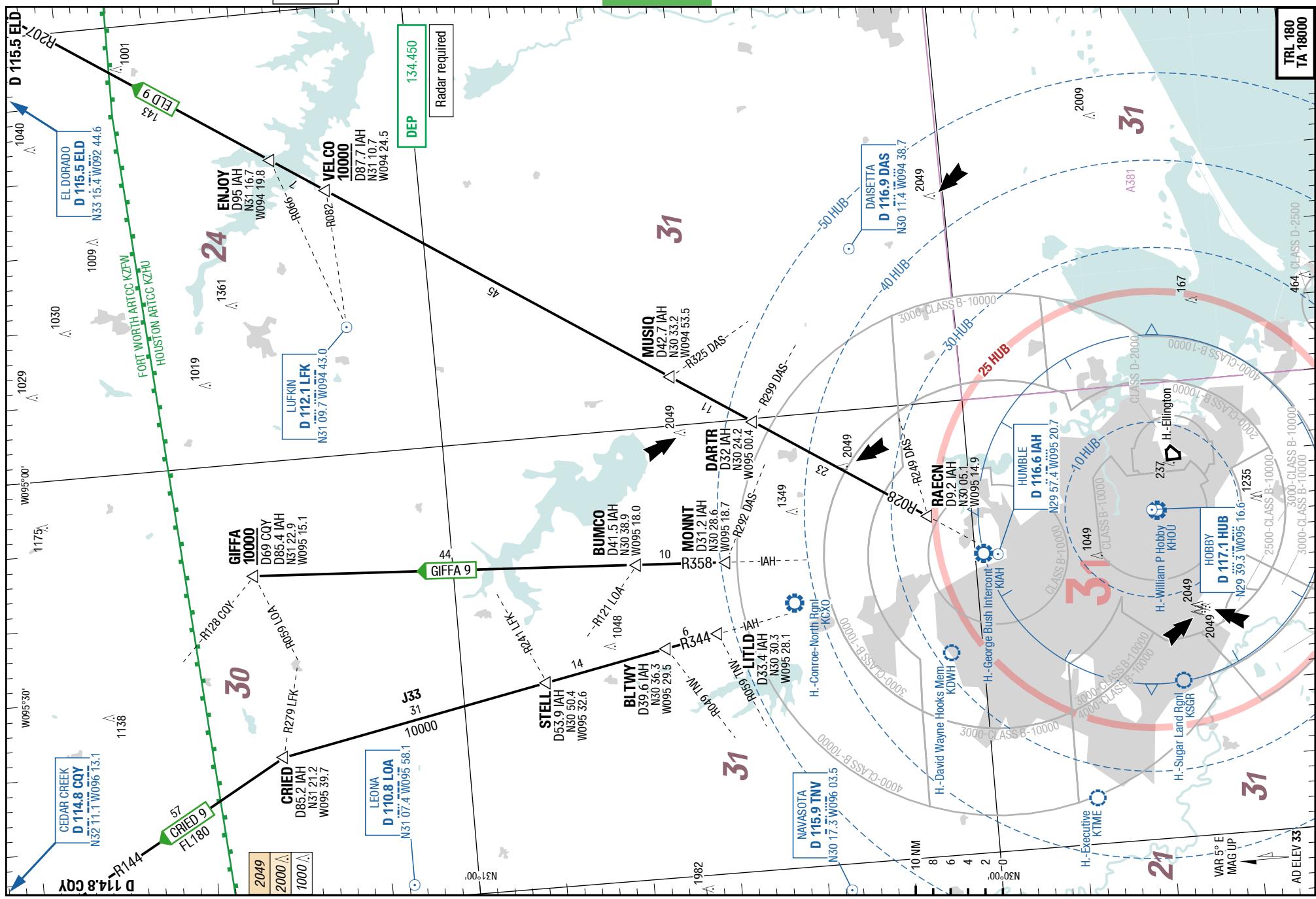
EFD-KEFD

# United States **Houston** Ellington

-90 CRIED 9 / GIFFA 9 / ELD 9

Ellington **Houston** United States

**CRIED 9 / GIFFA 9 / ELD 9**



**Effective 22-JUN-2017**

15-JUN-2017

# United States **Houston** Ellington

# Ellington Houston United States

EFD-KEFD

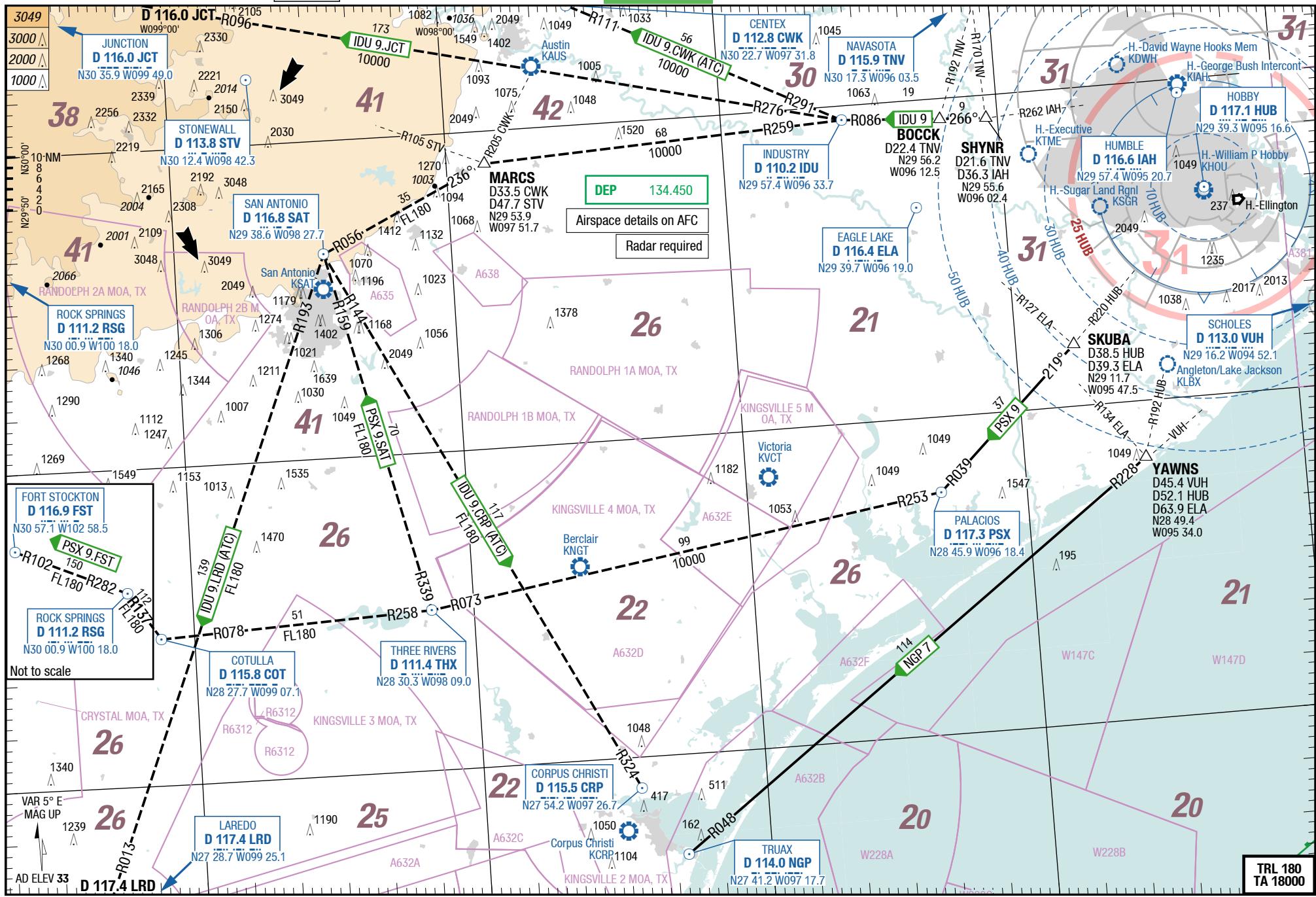
4-100

# IDU 9 / NGP 7 / PSX 9

IDU 9 / NGP 7 / PSX 9

SID

cid



**Effective 22-JUN-2017**

15-JUN-2017

EFD-KEFD

# United States **Houston** Ellington

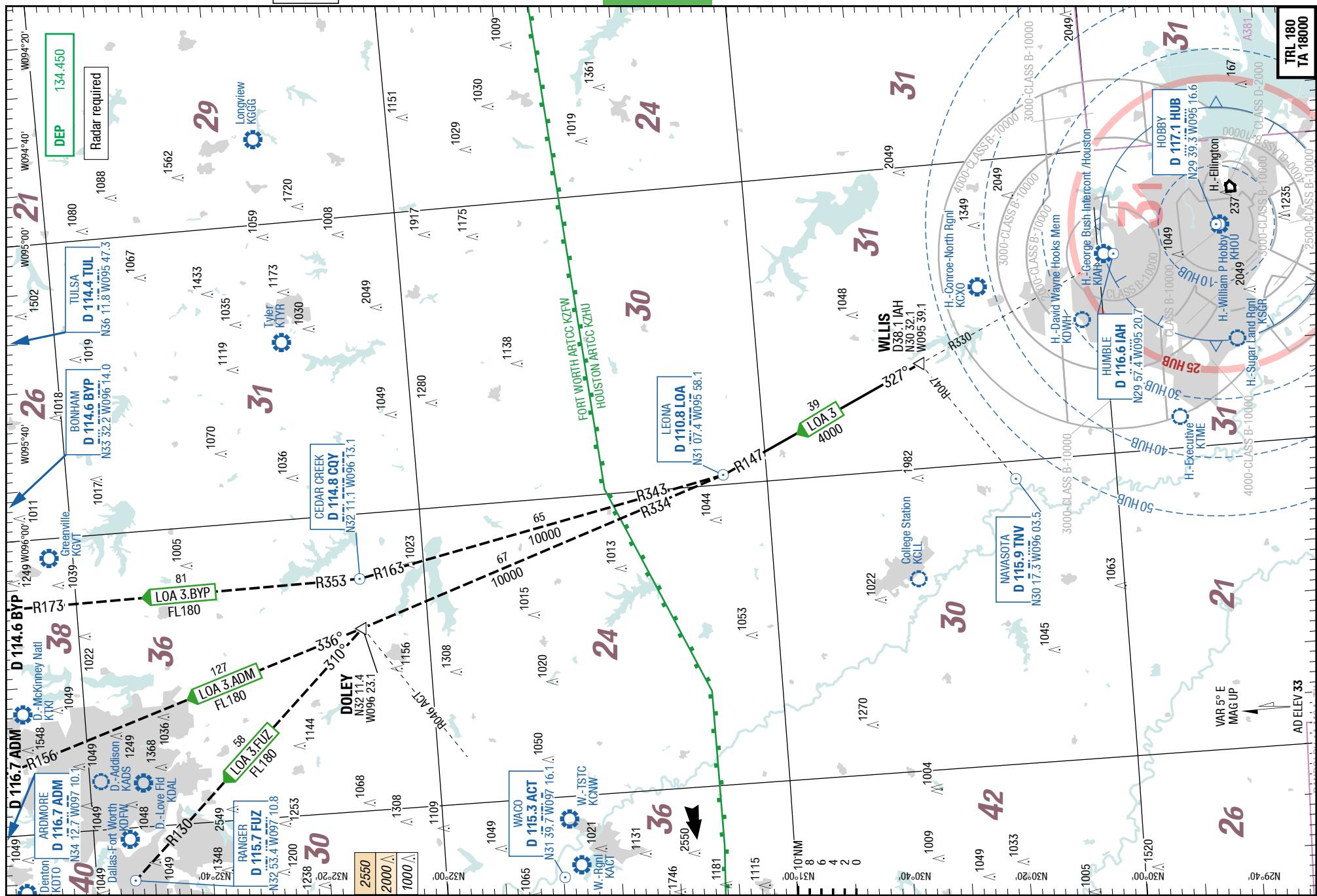
Ellington **Houston** United States

4-110

LEONA 3 (LOA 3)

SID

## **LEONA 3 (LOA 3)**



## Changes: PROC renumbered

EFD-KEFD

5-10

RNAV BLTWY 5 / INDIE 6

SIDPT

## BLTWY 5 / INDIE 6

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>BLTWY 5</b> <b>134.450</b> ①		initial climb by ATC
<b>RWY 04</b>	H039° [A540+] - H039° expect radar vectors to DREMR - 343° LITLD - BLTWY	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect radar vectors to DREMR - 343° LITLD - BLTWY	
<b>RWY 22</b>	H219° [A540+] - H219° expect radar vectors to DREMR - 343° LITLD - BLTWY	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect radar vectors to DREMR - 343° LITLD - BLTWY	
	<b>TRANSITION</b>	
	<b>CRIED</b> BLTWY - CRIED	
<b>INDIE 6</b> <b>134.450</b> ①		initial climb by ATC
<b>RWY 04</b>	H039° [A540+] - H039° expect radar vectors to RENNk - 014° COLET - SUSHI - WWELL - INDIE	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect radar vectors to RENNk - 014° COLET - SUSHI - WWELL - INDIE	
<b>RWY 22</b>	H219° [A540+] - H219° expect radar vectors to RENNk - 014° COLET - SUSHI - WWELL - INDIE	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect radar vectors to RENNk - 014° COLET - SUSHI - WWELL - INDIE	
	<b>TRANSITION</b>	
	<b>TPAKK</b> INDIE - TPAKK	

① Expect filed ALT 10 MIN after DEP

**EFD-KEFD****5-20****RNAV BORRN 3 / KARRR 4**

SIDPT

**BORRN 3 / KARRR 4**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>BORRN 3</b> <b>134.450</b> ①		[initial climb] by ATC
<b>RWY 04</b>	HDG 039° to MNM <b>540</b> - expect radar vectors to BORRN - DILRE	
<b>RWYs 17L/17R</b>	HDG 174° to MNM <b>540</b> - expect radar vectors to BORRN - DILRE	
<b>RWY 22</b>	HDG 219° to MNM <b>540</b> - expect radar vectors to BORRN - DILRE	
<b>RWYs 35L/35R</b>	HDG 354° to MNM <b>540</b> - expect radar vectors to BORRN - DILRE	
<b>TRANSITION</b>		
<b>CRGER</b> (ATC) DILRE - ZUUU - PUFER - PSTUR - CRGER		
<b>JUNCTION (JCT)</b> DILRE - BOCK - MNURE - HAYYY - FOWLR - <b>JCT</b>		
<b>SAN ANTONIO (SAT)</b> DILRE - BOCK - MNURE - MARCS - <b>SAT</b>		
<b>WAILN</b> DILRE - WEEED - WAILN		
<b>KARRR 4</b> <b>134.450</b> ①		[initial climb] by ATC
<b>RWY 04</b>	HDG 039° to MNM <b>540</b> - expect radar vectors to KARRR - KAVCY	
<b>RWYs 17L/17R</b>	HDG 174° to MNM <b>540</b> - expect radar vectors to KARRR - KAVCY	
<b>RWY 22</b>	HDG 219° to MNM <b>540</b> - expect radar vectors to KARRR - KAVCY	
<b>RWYs 35L/35R</b>	HDG 354° to MNM <b>540</b> - expect radar vectors to KARRR - KAVCY	
<b>TRANSITION</b>		
<b>CORPUS CHRISTI (CRP)</b> KAVCY - SKUBA - <b>PSX</b> - YOMOM - <b>CRP</b>		
<b>PALACIOS (PSX)</b> KAVCY - SKUBA - <b>PSX</b>		
<b>TRAUX (NGP)</b> KAVCY - RIIGG - <b>NGP</b>		
<b>WWREN</b> KAVCY - RIIGG - WWREN		
<b>YOMOM</b> KAVCY - SKUBA - <b>PSX</b> - YOMOM		

① Expect filed altitude 10 MIN after departure

**EFD-KEFD****5-30****RNAV HOODO 5 (ATC) / WATFO 4**

SIDPT

**HOODO 5 / WATFO 4**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>HOODO 5</b> (ATC) <b>134.450</b> ①		<b>Initial climb by ATC</b>
<b>RWY 04</b>	HDG 039° to MNM 540 - expect radar vectors to <b>VUH</b> - HOODO	
<b>RWYs 17L/17R</b>	HDG 174° to MNM 540 - expect radar vectors to <b>VUH</b> - HOODO	
<b>RWY 22</b>	HDG 219° to MNM 540 - expect radar vectors to <b>VUH</b> - HOODO	
<b>RWYs 35L/35R</b>	HDG 354° to MNM 540 - expect radar vectors to <b>VUH</b> - HOODO	
<b>TRANSITION</b>		
<b>BOWFN</b> HOODO - SBIRD - CFOOD - BOWFN		
<b>CFOOD</b> HOODO - SBIRD - CFOOD		
<b>HARVEY (HRV)</b> HOODO - SBIRD - CFOOD - BOWFN - <b>HRV</b>		
<b>LEEVILLE (LEV)</b> HOODO - SBIRD - CFOOD - BOWFN - <b>LEV</b>		
<b>SBIRD</b> HOODO - SBIRD		
<b>WATFO 4</b> <b>134.450</b> ①	<b>Initial climb by ATC</b>	
<b>RWY 04</b>	HDG 039° to MNM 540 - expect radar vectors to WATFO - <b>VUH</b>	
<b>RWYs 17L/17R</b>	HDG 174° to MNM 540 - expect radar vectors to WATFO - <b>VUH</b>	
<b>RWY 22</b>	HDG 219° to MNM 540 - expect radar vectors to WATFO - <b>VUH</b>	
<b>RWYs 35L/35R</b>	HDG 354° to MNM 540 - expect radar vectors to WATFO - <b>VUH</b>	
<b>TRANSITION</b>		
<b>ANKRR</b> <b>VUH</b> - ANKRR		
<b>KELPP</b> <b>VUH</b> - KELPP		
<b>MUSYL</b> <b>VUH</b> - MUSYL		

① Expect filed altitude 10 MIN after departure

## EFD-KEFD

5-40

## RNAV LURIC 6 / STRYA 6

## LURIC 6 / STRYA 6

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>LURIC 6</b> <b>134.450</b> ①		<b>initial climb by ATC</b>
<b>RWY 04</b>	H039° [A540+] - H039° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - VELCO - ENJOY - LURIC	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - VELCO - ENJOY - LURIC	
<b>RWY 22</b>	H219° [A540+] - H219° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - VELCO - ENJOY - LURIC	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - VELCO - ENJOY - LURIC	
	<b>TRANSITION</b>	
	<b>HAWES</b> LURIC - HAWES	
	<b>ORRTH</b> LURIC - ORRTH	
<b>STRYA 6</b> <b>134.450</b> ①		<b>initial climb by ATC</b>
<b>RWY 04</b>	H039° [A540+] - H039° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - STRYA	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - STRYA	
<b>RWY 22</b>	H219° [A540+] - H219° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - STRYA	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect vectors to KNTKY - 030° PEETY - DARTR - MUSIQ - CLAVN - STRYA	
	<b>TRANSITION</b>	
	<b>DPATY</b> STRYA - DPATY	
	<b>JBULL</b> STRYA - JBULL	

① Expect filed altitude 10 MIN after departure.

EFD-KEFD

5-50

RNAV MMALT 4

SIDPT

**MMALT 4**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>MMALT 4</b> <b>134.450</b> ①		initial climb by ATC
<b>RWY 04</b>	H039° [A540+] - H039° expect vectors to MMALT - 086° MOOKI	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect vectors to MMALT - 086° MOOKI	
<b>RWY 22</b>	H219° [A540+] - H219° expect vectors to MMALT - 086° MOOKI	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect vectors to MMALT - 086° MOOKI	
	<b>TRANSITION</b>	
	<b>GUSTI</b> (ATC) MOOKI - JAAYE - SPINY - GUSTI	
	<b>LAKE CHARLES (LCH)</b> (ATC) MOOKI - HOURN - BLING - LCH	
	<b>WHITE LAKE (LLA)</b> MOOKI - YOKEM - SBI - LLA	

① Expect filed ALT 10 MIN after departure

**EFD-KEFD**

**5-60**

**RNAV STYCK 6**

SIDPT

**STYCK 6**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>STYCK 6</b> <b>134.450</b> ①		initial climb by ATC
<b>RWY 04</b>	H039° [A540+] - H039° expect vectors to BBYSE - 329° SPICR - WLLIS - STYCK	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect vectors to BBYSE - 329° SPICR - WLLIS - STYCK	
<b>RWY 22</b>	H219° [A540+] - H219° expect vectors to BBYSE - 329° SPICR - WLLIS - STYCK	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect vectors to BBYSE - 329° SPICR - WLLIS - STYCK	
	<b>TRANSITION</b>	
	<b>DOLEY</b> STYCK - DOLEY	
	<b>WTSON</b> STYCK - WTSON	

① Expect filed altitude 10 minutes after departure.

**EFD-KEFD**

**5-70**

**RNAV WYLSN 6**

SIDPT

**WYLSN 6**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
<b>WYLSN 6</b> <b>134.450</b> ①		initial climb by ATC
<b>RWY 04</b>	H039° [A540+] - H039° expect vectors to WYLSN - 358° MONNT	
<b>RWYs 17L/17R</b>	H174° [A540+] - H174° expect vectors to WYLSN - 358° MONNT	
<b>RWY 22</b>	H219° [A540+] - H219° expect vectors to WYLSN - 358° MONNT	
<b>RWYs 35L/35R</b>	H354° [A540+] - H354° expect vectors to WYLSN - 358° MONNT	
	<b>TRANSITION</b>	
	<b>GIFFA</b> MONNT - BUMCO - GIFFA	
	<b>MAJKK</b> MOONT - KLJOY - MAJKK	

① Expect filed altitude 10 MIN after departure

EFD-KEFD

5-80

AEX 1 / LFK 2

**ALEXANDRIA 1 / LUFKIN 2**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
	All RWYs	
<b>ALEXANDRIA 1</b> <b>AEX 1</b> <b>134,450</b> ①	Expect radar vectors to RAECN - intercept R028 <b>IAH</b> to DARTR - MUSIQ - VELCO - intercept R082 <b>LFK</b> to COSGO - <b>AEX</b>	VELCO MNM <b>10000</b>  <b>Initial climb</b> by ATC
	<b>TRANSITION</b>	
	<b>CRESTVIEW (CEW) (ATC)</b> AEX - R085 <b>AEX</b> to <b>MCB</b> - R092 <b>MCB</b> to <b>GCV</b> - R096 <b>GCV</b> to <b>CEW</b>	
	<b>GREENE COUNTY (GCV) (ATC)</b> AEX - R085 <b>AEX</b> to <b>MCB</b> - R092 <b>MCB</b> to <b>GCV</b>	
	<b>MC COMB (MCB) (ATC)</b> AEX - R085 <b>AEX</b> to <b>MCB</b>	
<b>LUFKIN 2</b> <b>LFK 2</b> <b>134,450</b> ①	Expect radar vectors to KYANN - intercept R013 <b>IAH</b> to COLET - intercept R203 <b>LFK</b> to SUSHI - <b>LFK</b>	  <b>Initial climb</b> by ATC
	<b>TRANSITION</b>	
	<b>LITTLE ROCK (LIT)</b> LFK - R026 <b>LFK</b> to SKKIP - <b>LIT</b>	

① Expect filed altitude 10 MIN after departure

**EFD-KEFD**

**5-90**

**CRIED 9 / GIFFA 9 / ELD 9**

SIDPT

**CRIED 9 / EL DORADO 9 / GIFFA 9**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
	All RWYs	
<b>CRIED 9 134.450 ①</b>	Expect radar vectors to LITLD - intercept R344 <b>IAH</b> to BLTWY - STELL - CRIED - <b>LT</b> intercept R144 <b>CQY</b> to <b>CQY</b>	<b>Initial climb</b> by ATC
<b>EL DORADO 9 ELD 9 134.450 ①</b>	Expect radar vectors to RAECN - intercept R028 <b>IAH</b> to DARTR - MUSIQ - VELCO - ENJOY - <b>ELD</b>	VELCO MNM <b>10000</b> <b>Initial climb</b> by ATC
<b>GIFFA 9 134.450 ①</b>	Expect radar vectors to MONNT - intercept R358 <b>IAH</b> to BUMCO - GIFFA	GIFFA MNM <b>10000</b> <b>Initial climb</b> by ATC

① Expect filed altitude 10MIN after departure.

**EFD-KEFD****5-100****IDU 9 / NGP 7 / PSX 9****INDUSTRY 9 / PALACIOS 9 / TRUAX 7**

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
	All RWYs	
<b>INDUSTRY 9 IDU 9 134.450 ①</b>	Expect radar vectors to SHYNR - intercept R086 <b>IDU</b> to BOCKK - <b>IDU</b>  <b>TRANSITION</b>  <b>CENTEX (CWK)</b> (ATC) <b>IDU - R291 IDU to CWK</b>  <b>CORPUS CHRISTI (CRP)</b> (ATC) <b>IDU - R259 IDU to MARCS - intercept R056 SAT to SAT - R144 SAT to CRP</b>  <b>JUNCTION (JCT)</b> <b>IDU - R276 IDU to JCT</b>  <b>LAREDO (LRD)</b> (ATC) <b>IDU - R259 IDU to MARCS - intercept R056 SAT to SAT - R193 SAT to LDR</b>	<b>Initial climb</b> by ATC
<b>PALACIOS 9 PSX 9 134.450 ①</b>	Expect radar vectors to SKUBA - intercept R039 <b>PSX</b> to <b>PSX</b>  <b>TRANSITION</b>  <b>FORT STOCKTON (FST)</b> <b>PSX - R253 PSX to THX - R258 THX to COT - R317 COT to RSG - R282 RSG to FST</b>  <b>SAN ANTONIO (SAT)</b> <b>PSX - R253 PSX to THX - R339 THX to SAT</b>	<b>Initial climb</b> by ATC
<b>TRUAX 7 NGP 7 134.450 ①</b>	Expect radar vectors to YAWNS - intercept R228 <b>VUH</b> to <b>NGP</b>	<b>Initial climb 4000</b>

① Expect filed altitude 10 minutes after departure

EFD-KEFD

5-110

## **LEONA 3 (LOA 3)**

LEONA 3

RWYs 04 (039°) / 17L/R (174°) / 22 (219°) / 35L/R (354°)

DESIGNATOR	ROUTING	ALTITUDES
	<b>All RWYs</b>	
<b>LEONA 3 LOA 3 134.450 ①</b>	Expect radar vectors to WLLIS - intercept R147 <b>LOA to LOA</b>  <b>TRANSITION</b>  <b>ARDMORE (ADM)</b> <b>LOA</b> - R334 <b>LOA</b> to DOLEY - intercept R156 <b>ADM to ADM</b>	<b>initial climb</b> by ATC
	<b>BONHAM (BYP)</b> <b>LOA</b> - R343 <b>LOA</b> (R163 <b>CQY</b> ) to <b>CQY</b> - intercept R353 <b>CQY</b> (R173 <b>BYP</b> ) to <b>BYP</b>	
	<b>RANGER (FUZ)</b> <b>LOA</b> - R334 <b>LOA</b> to DOLEY - intercept R130 <b>FUZ to FUZ</b>	

① Expect filed altitude 10 MIN after departure.

EFD-KEFD

5-130

Obstacle Departure

### Obstacle Departure

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

EFD-KEFD

**6-10**

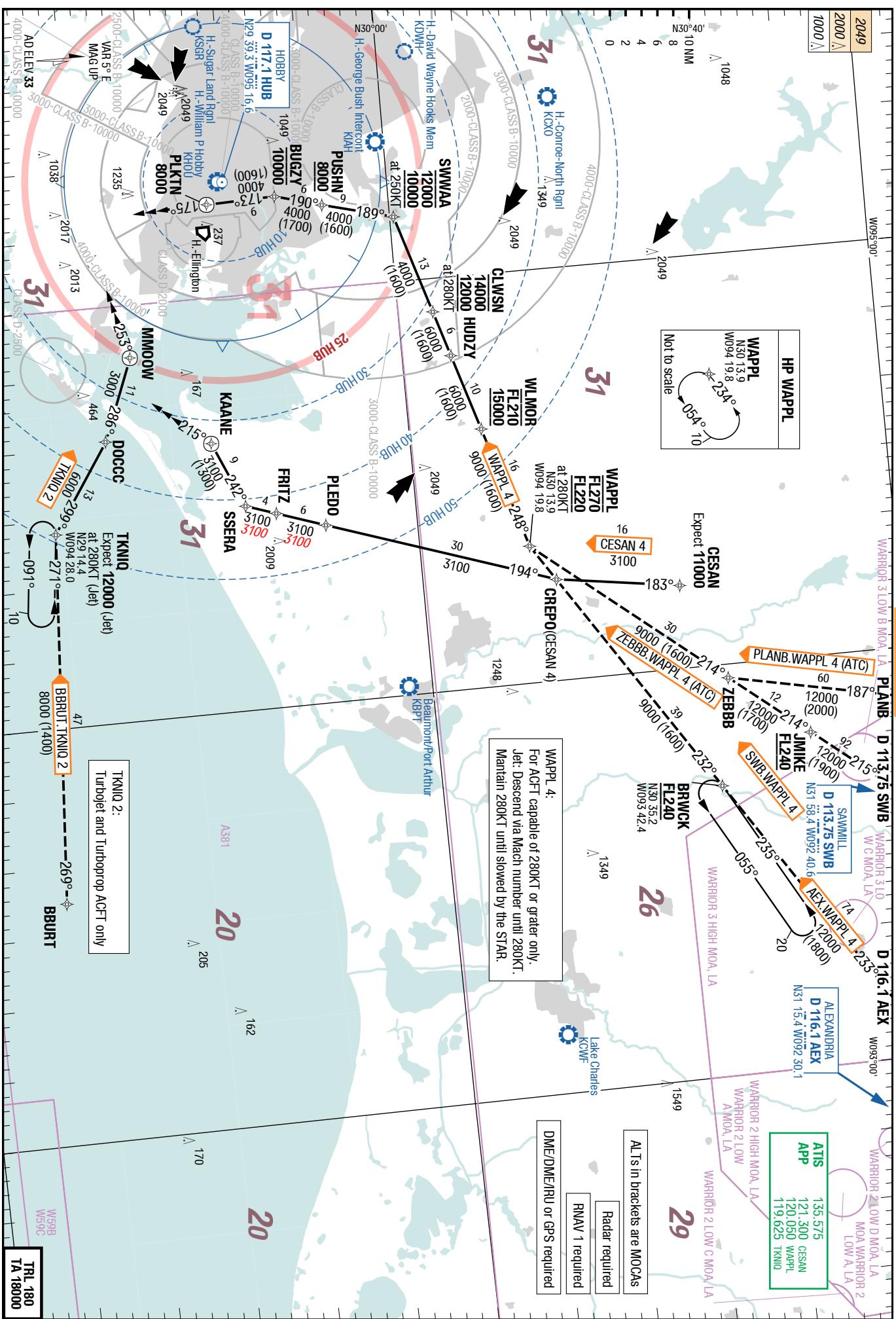
**United States Houston Ellington**

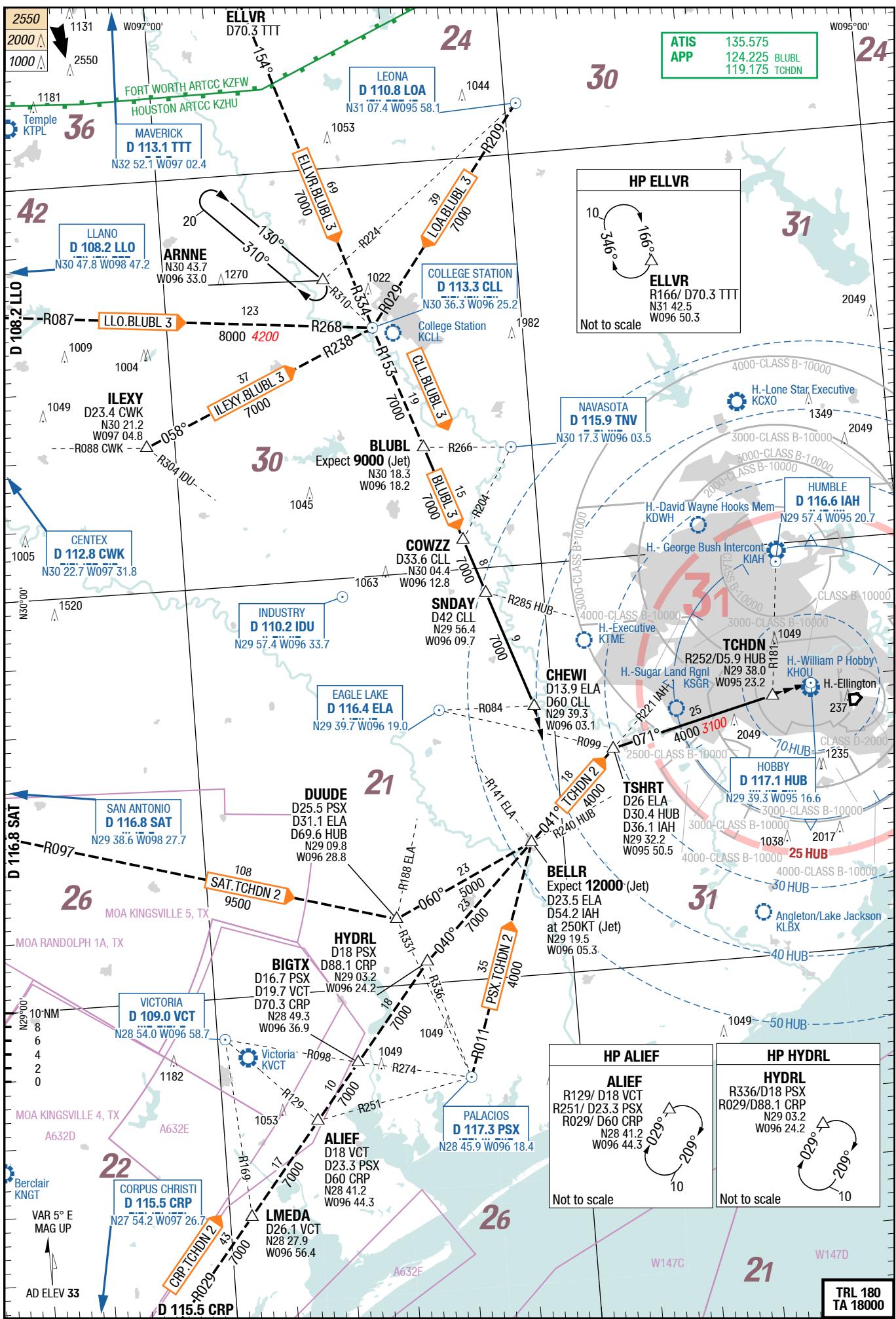
**RNAV STARS**

**[BLUBL3/TCHDN2]**

**STAR**

**Ellington Houston United States**  
[BLUBL 3 / TCHDN 2] **RNAV STARS**





Effective 22-JUN-2017

15-JUN-2017

EFD-KEFD

United States Houston Ellington

QTRBK 1

6-30

HUDZY 3 / OHIO 4

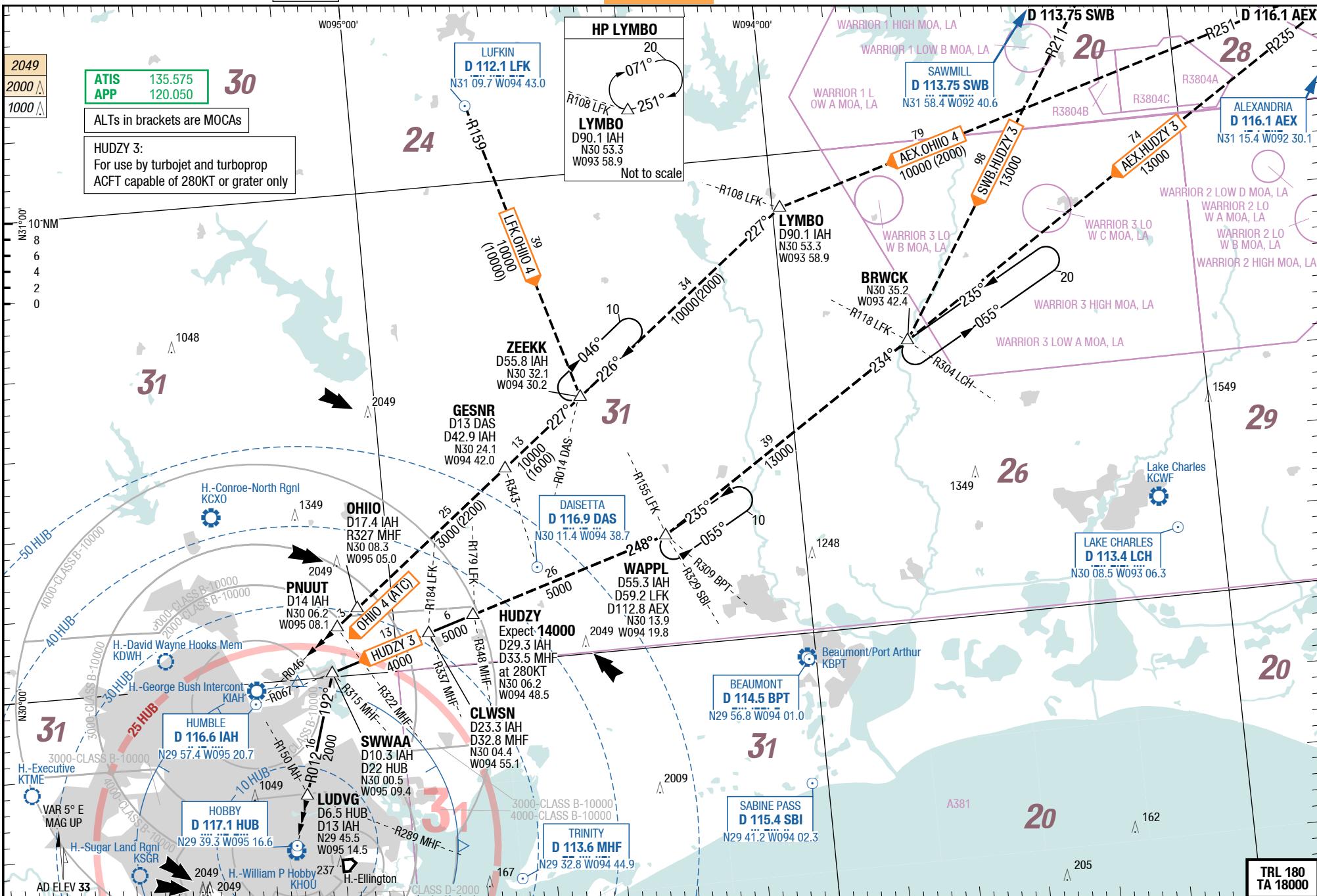
STAR

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Ellington Houston United States

QTRBK 1

HUDZY 3 / OHIO 4



Changes: Track, SUAs, PROC renumbered

Effective 22-JUN-2017

15-JUN-2017

EFD-KEFD

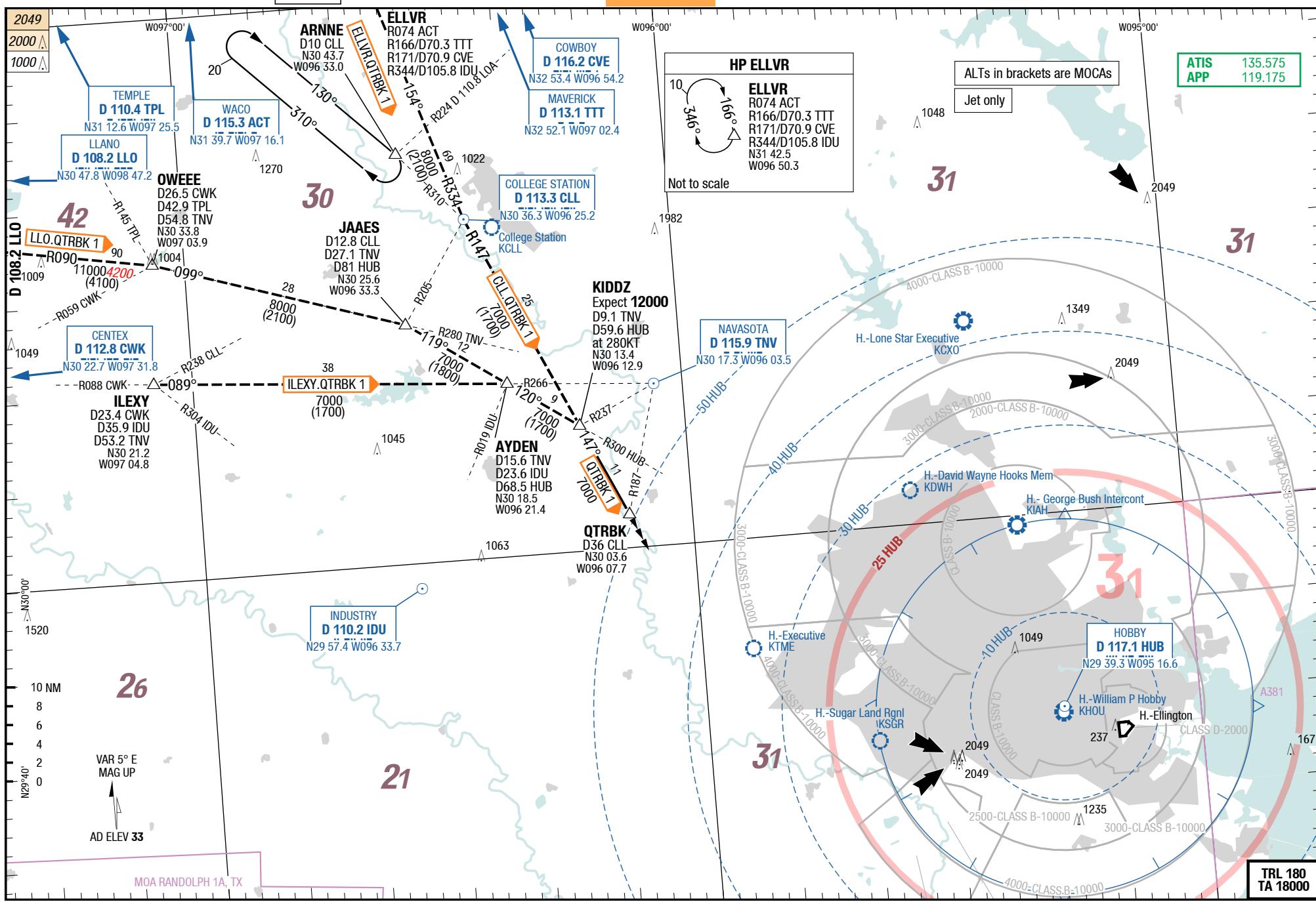
United States Houston Ellington

STAR

STAR

Ellington Houston United States

QTRBK 1



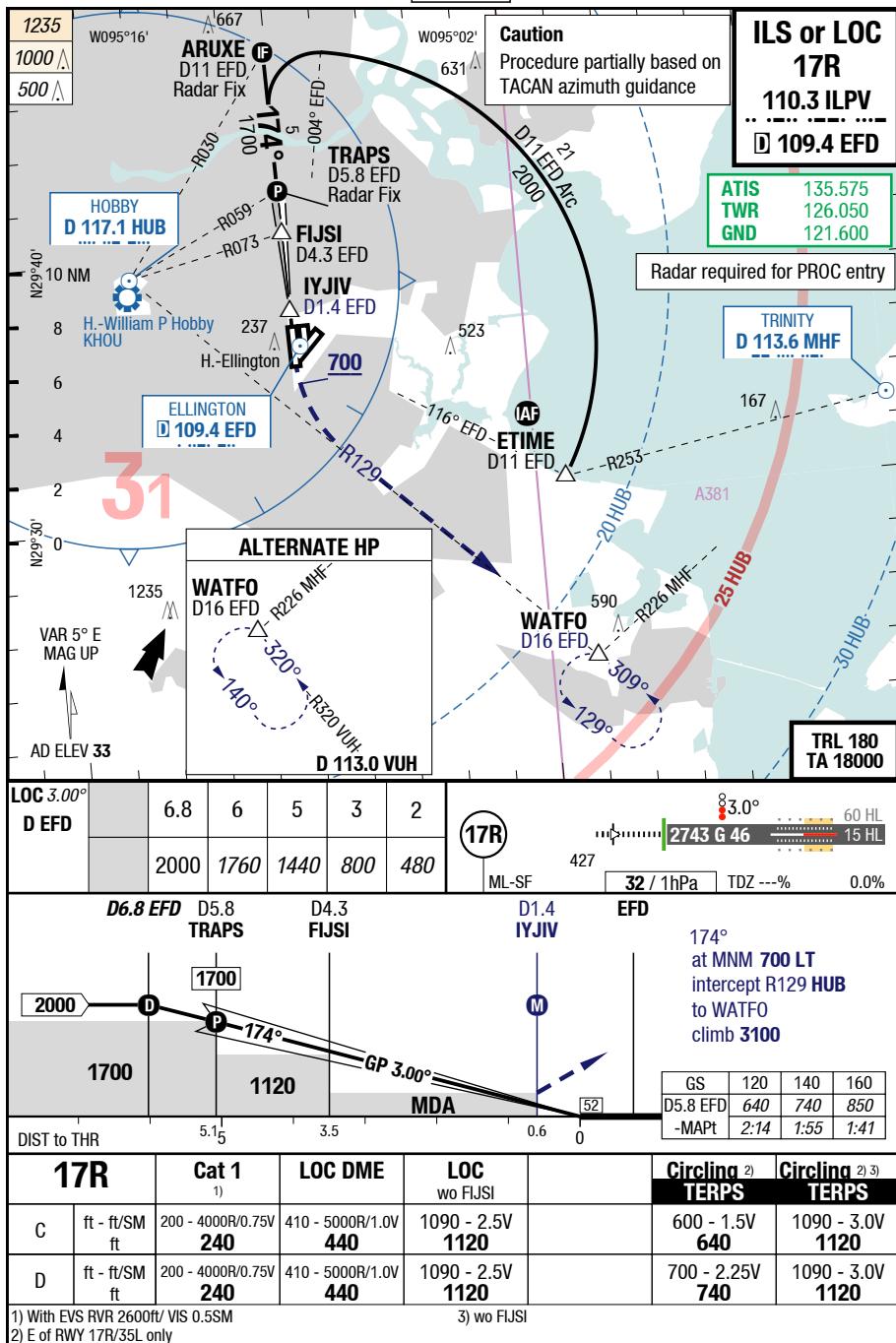
12-JUL-2018

## EFD-KEFD

7-10

## ILS or LOC 17R

IAC



12-JUL-2018

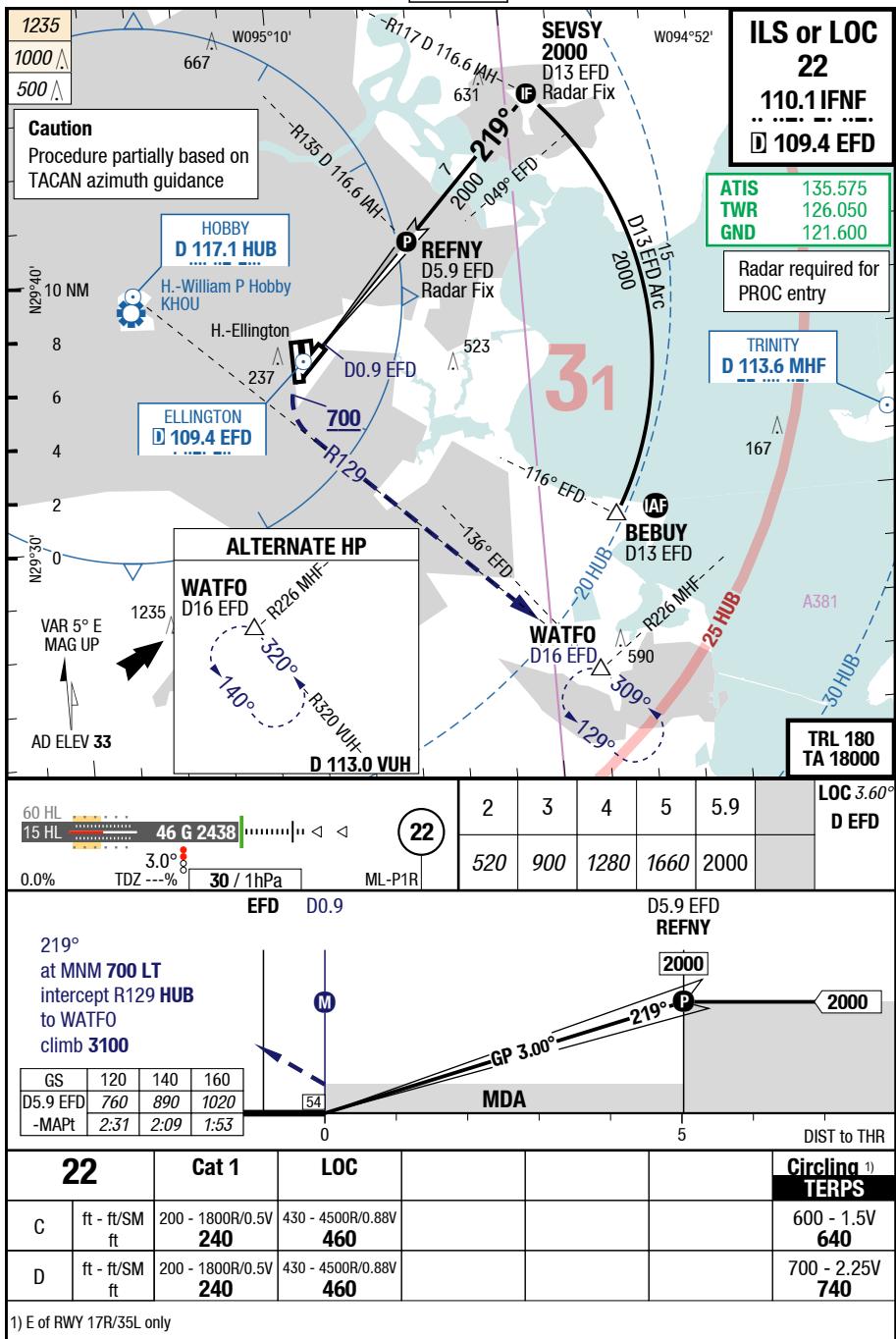
United States Houston Ellington

IAC

## EFD-KEFD

7-20

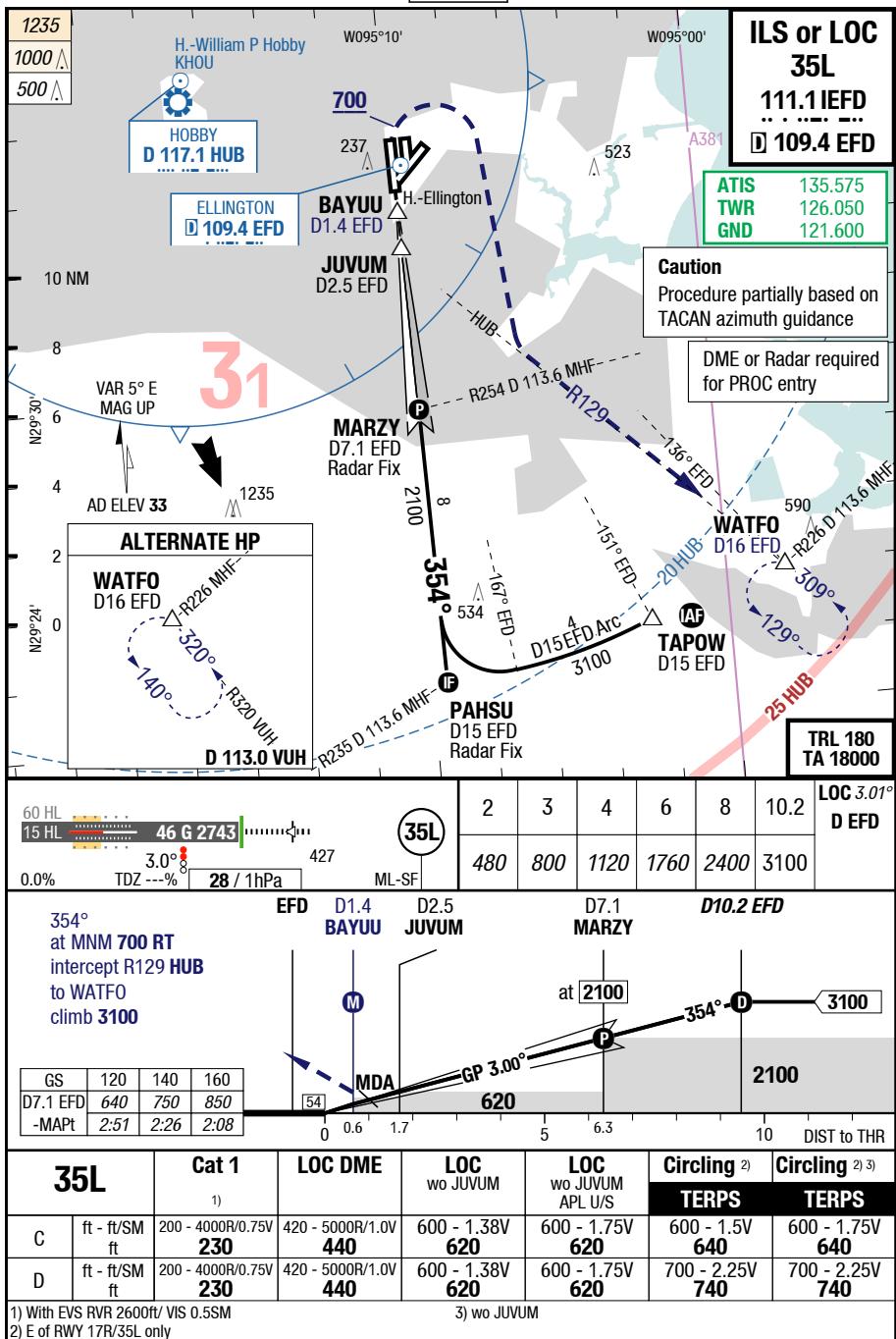
## ILS or LOC 22



## EFD-KEFD

7-30

## ILS or LOC 35L



30-JUL-2015

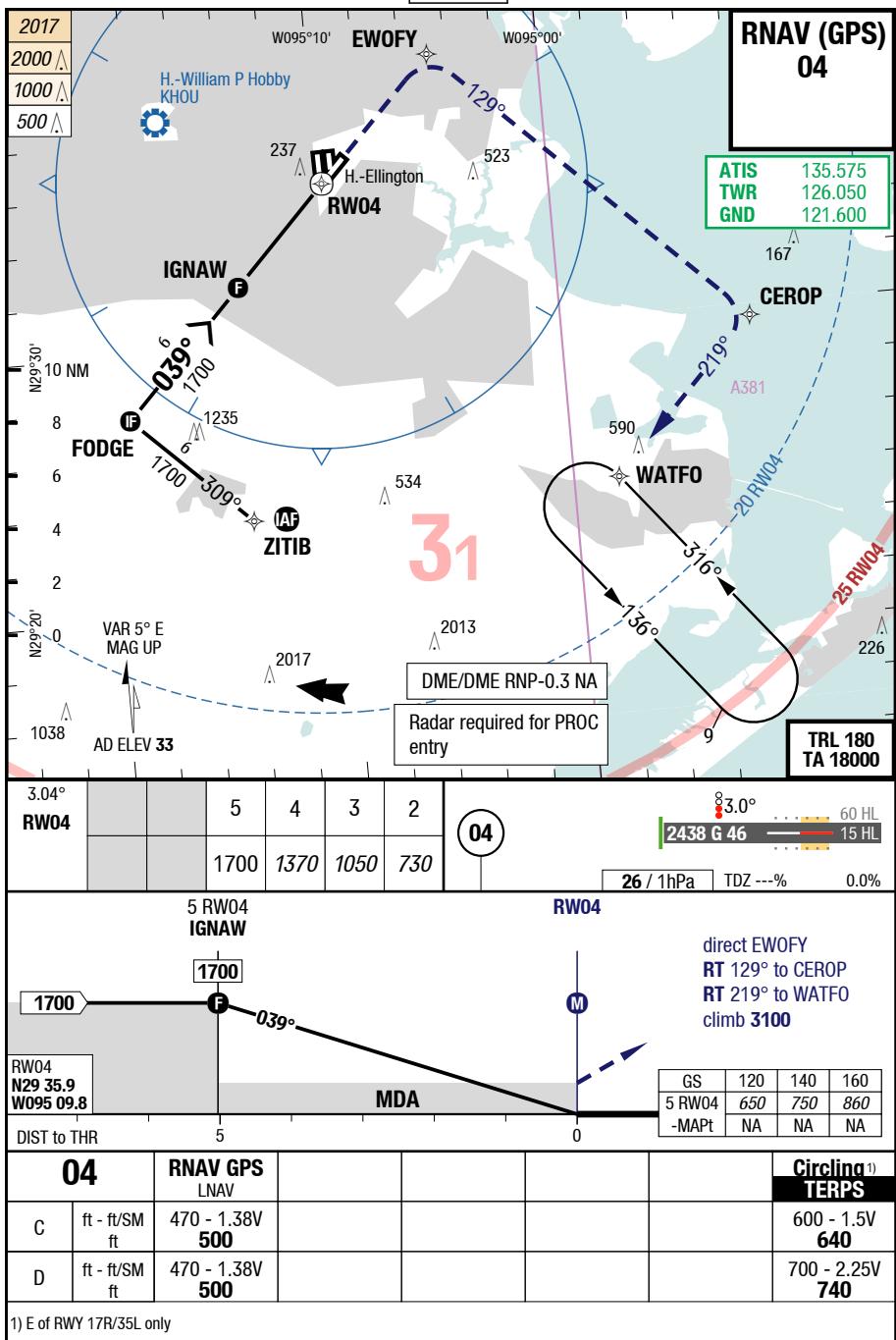
United States Houston Ellington

EFD-KEFD

7-50

RNAV (GPS) 04

IAC



30-JUL-2015

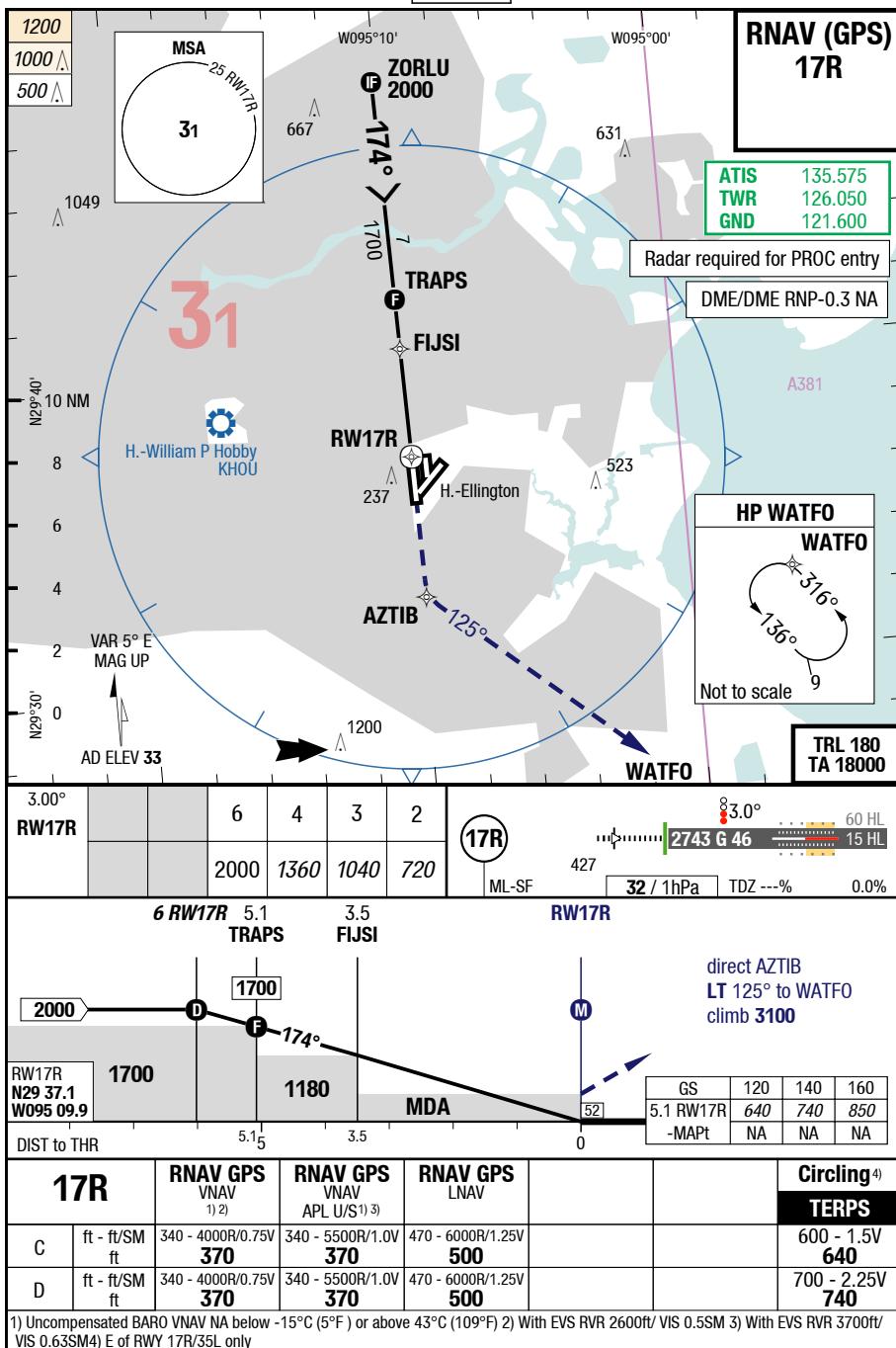
United States Houston Ellington

IAC

EFD-KEFD

7-60

RNAV (GPS) 17R



Changes: new

AMDT 1B

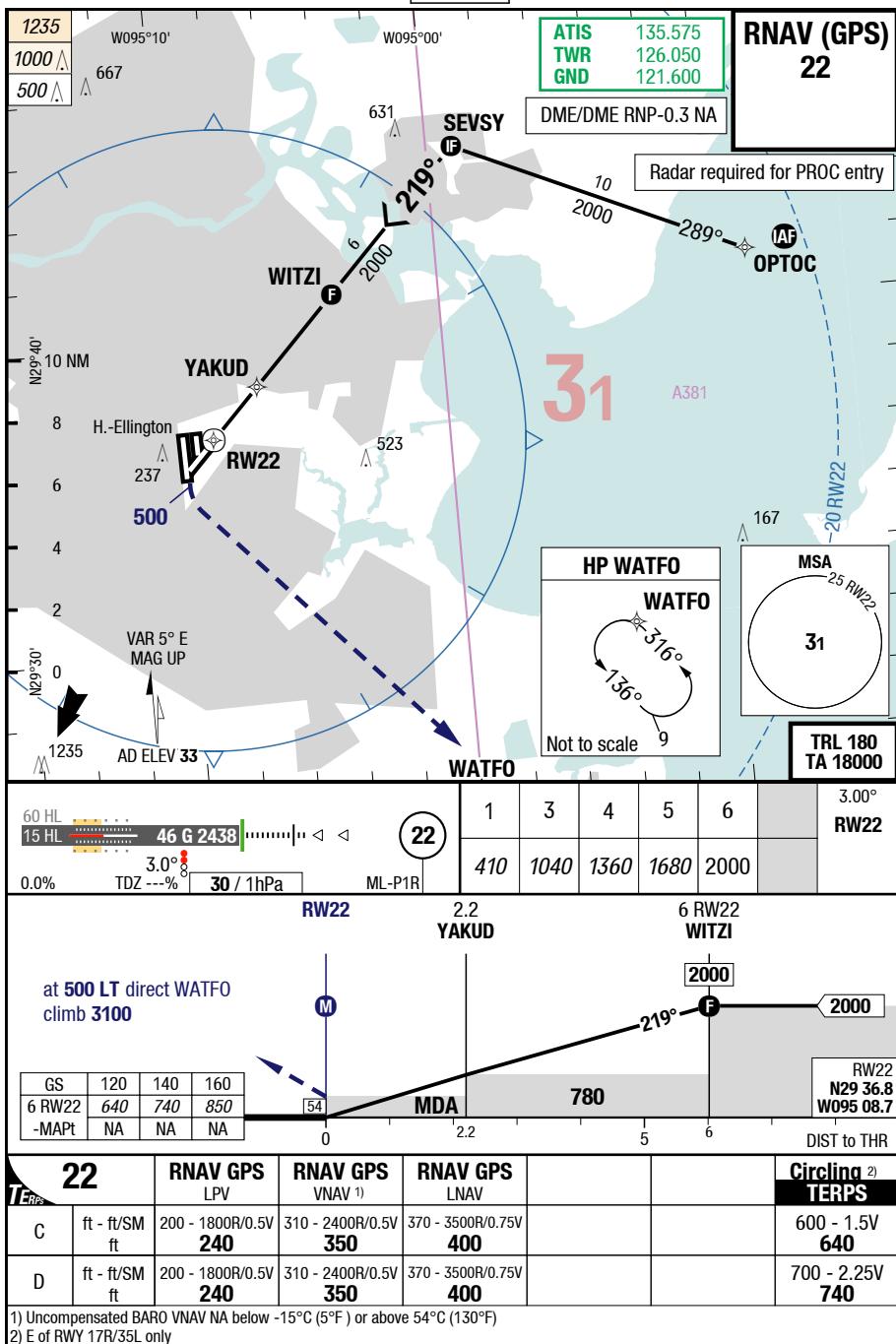
12-JUL-2018

EFD-KEFD

7-70

RNAV (GPS) 22

IAC



12-JUL-2018

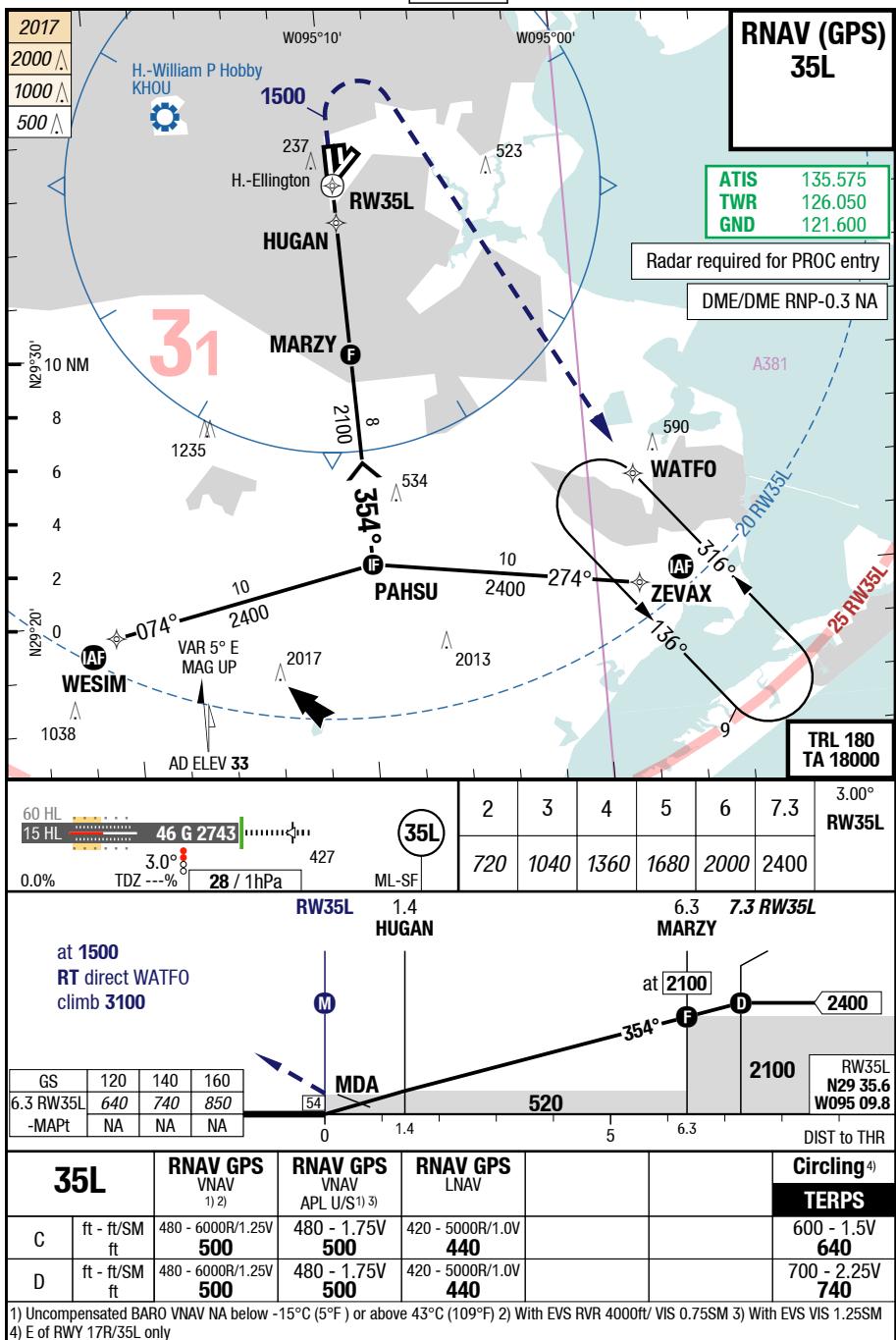
United States Houston Ellington

EFD-KEFD

7-80

RNAV (GPS) 35L

IAC



Changes: Nil

AMDT 1A