

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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| Arrival Name<br>BELLR (RNAV) | Number<br>FIVE               | STAR Computer Code<br>BELLR.BELLR5 | Superseded Number<br>FOUR | Dated<br>10/07/2021 | Effective Date |       |      |     |                            |
|------------------------------|------------------------------|------------------------------------|---------------------------|---------------------|----------------|-------|------|-----|----------------------------|
| TRANSITION ROUTES:           |                              |                                    |                           |                     |                |       |      |     |                            |
| Transition Name              | Transition<br>Computer Codes | From<br>FIX/NAVAID                 | To<br>FIX/NAVAID          | Course              | Distance       | MEA   | MOCA | MAA | Crossing Altitudes / Fixes |
| COLLT                        | COLLT.BELLR5                 | COLLT                              | COLLT                     |                     |                |       |      |     |                            |
|                              |                              |                                    | AMMMO                     | 023.11              | 77.34          | 9000  | 2100 |     | AT/ABOVE FL240             |
|                              |                              |                                    | BELLR                     | 025.94              | 50.38          | 7000  | 2100 |     | BETWEEN 11000 AND 13000    |
| CORPUS<br>CHRISTI            | CRP.BELLR5                   | CRP VORTAC                         | CRP VORTAC                |                     |                |       |      |     |                            |
|                              |                              |                                    | LMEDA                     | 035.43              | 43.00          | 11000 | 2100 |     |                            |
|                              |                              |                                    | ALIEF                     | 035.67              | 16.98          | 9000  | 2100 |     | AT/ABOVE FL240             |
|                              |                              |                                    | BIGTX                     | 035.78              | 10.33          | 8000  | 2100 |     |                            |
|                              |                              |                                    | BELLR                     | 039.49              | 40.92          | 7000  | 2100 |     | BETWEEN 11000 AND 13000    |
| LMEDA                        | LMEDA.BELLR5                 | LMEDA                              | LMEDA                     |                     |                |       |      |     |                            |
|                              |                              |                                    | ALIEF                     | 035.67              | 16.98          | 9000  | 2100 |     | AT/ABOVE FL240             |
|                              |                              |                                    | BIGTX                     | 035.78              | 10.33          | 8000  | 2100 |     |                            |
|                              |                              |                                    | BELLR                     | 039.49              | 40.92          | 7000  | 2100 |     | BETWEEN 11000 AND 13000    |
| SAN ANTONIO                  | SAT.BELLR5                   | SAT VORTAC                         | SAT VORTAC                |                     |                |       |      |     |                            |
|                              |                              |                                    | BALKK                     | 096.77              | 76.27          | 9000  | 2900 |     | AT/ABOVE FL240             |
|                              |                              |                                    | PARAA                     | 097.48              | 03.00          | 9000  | 1900 |     |                            |
|                              |                              |                                    | GLOCK                     | 093.11              | 17.01          | 9000  | 1800 |     | AT/ABOVE FL190             |
|                              |                              |                                    | KMMBR                     | 093.34              | 07.48          | 8000  | 1700 |     |                            |
|                              |                              |                                    | BELLR                     | 093.36              | 22.03          | 7000  | 1700 |     | BETWEEN 11000 AND 13000    |
| WEMAR                        | WEMAR.BELLR5                 | WEMAR                              | WEMAR                     |                     |                |       |      |     |                            |
|                              |                              |                                    | SHERE                     | 109.36              | 30.00          | 7000  | 2000 |     |                            |
|                              |                              |                                    | BELLR                     | 109.62              | 22.27          | 7000  | 1700 |     | BETWEEN 11000 AND 13000    |

QUALITY  
14  
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| BELLR (RNAV) | FIVE   | BELLR.BELLR5       | FOUR              | 10/07/2021 |                |

**ARRIVAL ROUTE DESCRIPTION:**

FROM BELLR ON TRACK 048.79/14.01 TO CROSS HNTRR BETWEEN 8000 AND 10000.

LANDING RWY 4: FROM HNTRR ON TRACK 083.85/12.04 TO CROSS GEEEO AT 6000 AND AT 210 KIAS. EXPECT ILS OR LOC RWY 4 APPROACH.

LANDING RWY 13L/R: FROM HNTRR ON TRACK 052.11/14.27 TO CROSS HACKT AT OR BELOW 7000, THEN ON TRACK 052.22/3.46 TO CROSS CRSTY AT 6000 AND AT 210 KIAS, THEN ON TRACK 042.00/2.00 TO CROSS SEUSS AT 6000, THEN ON TRACK 042.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22: FROM HNTRR ON TRACK 066.65/19.42 TO CROSS AWSTN AT OR BELOW 7000 AND AT 210 KIAS, THEN ON TRACK 066.82/8.00 TO CROSS VILLI AT 6000, THEN ON TRACK 093.28/12.51 TO CROSS MAAHH AT 6000, THEN ON TRACK 109.60. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 31L/R: FROM HNTRR ON TRACK 066.65/19.42 TO CROSS AWSTN AT OR BELOW 7000 AND AT 210 KIAS, THEN ON TRACK 066.82/8.00 TO CROSS VILLI AT 6000, THEN ON TRACK 129.63/5.67 TO CROSS RJAA Y AT 6000, THEN ON TRACK 129.63. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PBN REQUIREMENT NOTES:**

RNAV 1 - DME/DME/IRU OR GPS

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**PROCEDURAL DATA NOTES:**

NOTE: FOR JET AND TURBOPROP AIRCRAFT CAPABLE OF 280 KIAS OR GREATER ONLY.

NOTE: EXPECT RUNWAY ASSIGNMENT FROM HOUSTON TRACON UPON INITIAL CONTACT.

NOTE: JET AIRCRAFT DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280 KIAS. MAINTAIN 280 KIAS UNTIL SLOWED BY THE STAR.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT ALIEF: HOLD SW, RT, 035.67 INBOUND, 10 NM LEGS.

CHART HOLDING AT AMMMO: HOLD SW, RT, 023.11 INBOUND, 10 NM LEGS.

CHART HOLDING AT BELLR: HOLD SW, RT, 025.94 INBOUND, 10 NM LEGS.

**COMMUNICATIONS:**

CHART: HOUSTON APP CON

**AIRPORTS SERVED:**

| AIRPORT ID | CITY    | STATE |
|------------|---------|-------|
| KHOU       | HOUSTON | TX    |

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

MAG VAR: KHOU 03E/2015

CHART AT SEUSS TERMINUS: KHOU LDG RWY 13L/R

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|---------------------|-------------|---------------------|-------------------|-------------------|----------------|
| <b>BELLR (RNAV)</b> | <b>FIVE</b> | <b>BELLR.BELLR5</b> | <b>FOUR</b>       | <b>10/07/2021</b> |                |

CHART AT GEEEO TERMINUS: KHOU LDG RWY 4  
CHART AT RJAAY TERMINUS: KHOU LDG RWY 31L/R  
CHART AT MAAHH TERMINUS: KHOU LDG RWY 22

**FLIGHT INSPECTED BY:**

JAMES HAWLEY

**ORGANIZATION:**

FPO

**DATE:**

08/10/2023

Flight Inspected Signature:

*Digitally signed by*

**ALLAN WILL**

Aug 14, 2023

**DEVELOPED BY:**

JILL BOUTOT, SUPPORT MANAGER, AIRSPACE AND  
PROCEDURES, HOUSTON/GULF COAST DISTRICT

AJT-TCHU1-ZHU

03/31/2023

Developed By Signature:

*Digitally signed by*

**ALLAN WILL**

Aug 14, 2023

**APPROVED BY:**

ALLAN WILL, MANAGER

AJV-A423

Approved By Signature:

*Digitally signed by*

**ALLAN WILL**

Aug 14, 2023

**CHANGES:**

1. COLLT TRANSITION ROUTE: CHANGED COLLT TO AMMMO SEGMENT MOCA FROM 1800 TO 2100.
2. CORPUS CHRISTI TRANSITION ROUTE: CHANGED CRP VORTAC TO LMEDA AND LMEDA TO ALIEF SEGMENTS MOCA FROM 1500 TO 2100.
3. LMEDA TRANSITION ROUTE: CHANGED LMEDA TO ALIEF SEGMENT MOCA FROM 1500 TO 2100.
4. SAN ANTONIO TRANSITION ROUTE: CHANGED GLOCK TO KMMBR SEGMENT MOCA FROM 1500 TO 1700.
5. TRANSITION ROUTES: REMOVED SMAKR TRANSITION. ADDED WEMAR TRANSITION.
6. RWY 13L/R ARRIVAL ROUTE DESCRIPTION: CHANGED "SEUSS" TO "TO CROSS SEUSS AT 6000".
7. RWY 22 ARRIVAL ROUTE DESCRIPTION: CHANGED "MAAHH" TO "TO CROSS MAHHH AT 6000".
8. RWY 31L/R ARRIVAL ROUTE DESCRIPTION: CHANGED "RJAAY" TO "TO CROSS RJAAY AT 6000".
9. AIRPORTS SERVED: REMOVED AIRPORT NAME.
10. ADDITIONAL FLIGHT DATA: ADDED TERMINUS CHARTING FOR SEUSS, GEEEO, RJAAY, AND MAAHH.
11. CHANGED ALL REFERENCES OF TURBOJET TO JET.

**REASONS:**

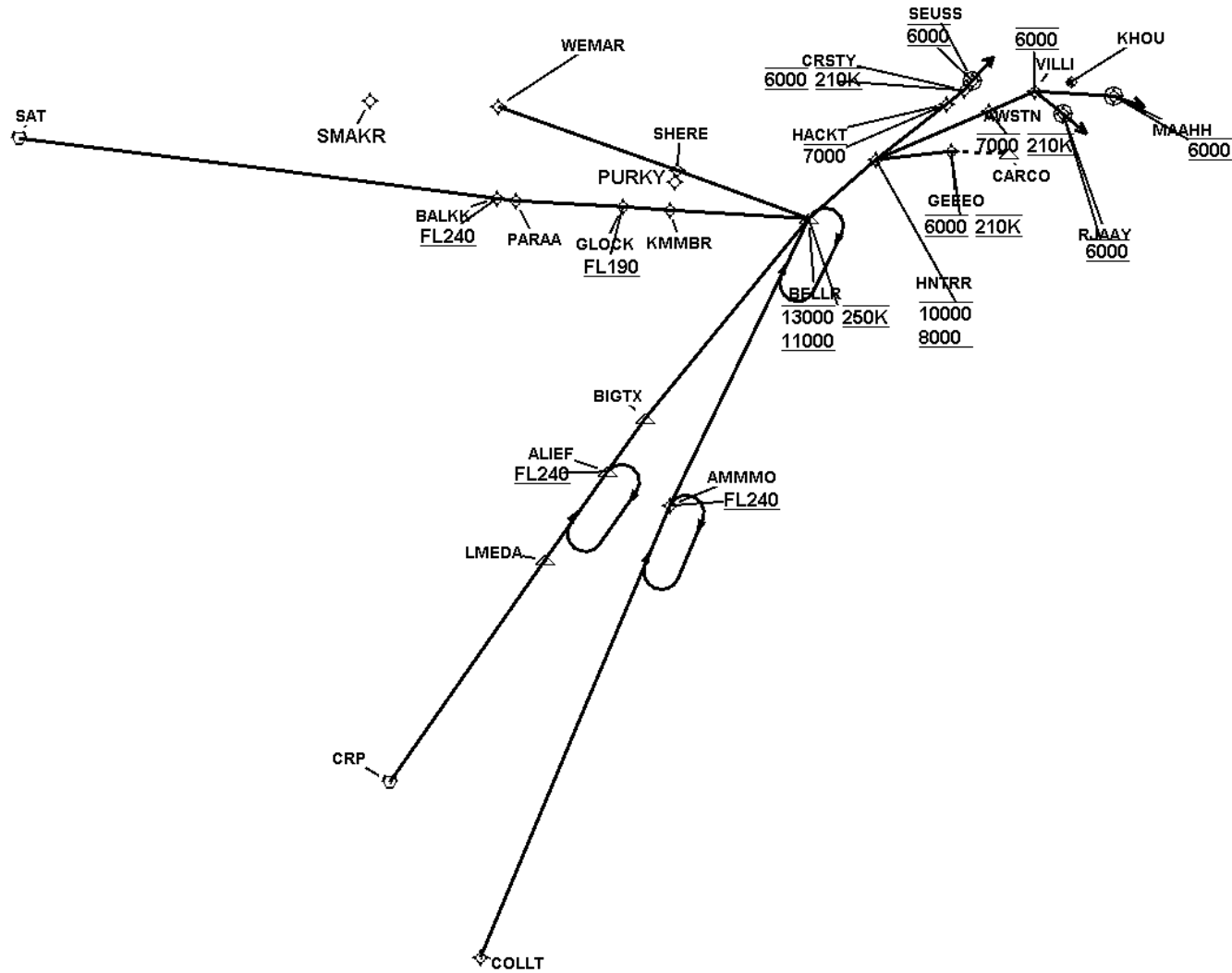
- 1-4. SEGMENT MOCA CAN NOT BE HIGHER THAN PREVIOUS SEGMENT MOCA PER FAAO 8260.3E, PARA 2-2-7D(3) CRITERIA.
- 5-8. ATC REQUEST.
9. AIRPORT NAME NO LONGER REQUIRED PER FAAO 8260.190I, PARA 4-5-12G CRITERIA.
10. REQUIRED DOCUMENTATION PER FAAO 8260.19I, PARA 4-5-2H(2) CRITERIA.
11. IAW CURRENT DOCUMENTATION.

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|---------------------|--------|--------------------|-------------------|------------|----------------|
| BELLR (RNAV)        | FIVE   | BELLR.BELLR5       | FOUR              | 10/07/2021 |                |
| Graphic Depiction 1 |        |                    |                   |            |                |



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STAR (DATA RECORD)

| Arrival Name<br>BELLR (RNAV) |                          | Number<br>FIVE |       | STAR Computer Code<br>BELLR.BELLR5 |        | Superseded Number<br>FOUR |                | Dated<br>10/07/2021 | Effective Date |
|------------------------------|--------------------------|----------------|-------|------------------------------------|--------|---------------------------|----------------|---------------------|----------------|
| FIX/NAVAID                   | LAT/LONG                 | C              | FO/FB | LEG<br>TYPE                        | TC     | DIST<br>(NM)              | ALTITUDE       | SPEED               | REMARKS        |
| En Route Transition          |                          |                |       |                                    |        |                           |                |                     |                |
| COLLT                        | 272547.42N / 0971152.05W | Y              |       | IF                                 |        |                           |                |                     | COLLT.BELLR5   |
| AMMMO                        | 283520.02N / 0963312.36W | Y              | FB    | TF                                 | 026.11 | 77.34                     | AT/ABOVE FL240 |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              | FB    | TF                                 | 028.94 | 50.38                     | 11000B13000    | AT 250K             |                |
|                              |                          |                |       |                                    |        |                           |                |                     |                |
| En Route Transition          |                          |                |       |                                    |        |                           |                |                     |                |
| CRP VORTAC                   | 275413.56N / 0972641.57W | Y              |       | IF                                 |        |                           |                |                     | CRP.BELLR5     |
| LMEDA                        | 282756.74N / 0965622.09W | Y              | FB    | TF                                 | 038.43 | 43.00                     |                |                     |                |
| ALIEF                        | 284113.74N / 0964418.32W | Y              | FB    | TF                                 | 038.67 | 16.98                     | AT/ABOVE FL240 |                     |                |
| BIGTX                        | 284917.82N / 0963656.48W | Y              | FB    | TF                                 | 038.78 | 10.33                     |                |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              | FB    | TF                                 | 042.49 | 40.92                     | 11000B13000    | AT 250K             |                |
|                              |                          |                |       |                                    |        |                           |                |                     |                |
| En Route Transition          |                          |                |       |                                    |        |                           |                |                     |                |
| LMEDA                        | 282756.74N / 0965622.09W | Y              |       | IF                                 |        |                           |                |                     | LMEDA.BELLR5   |
| ALIEF                        | 284113.74N / 0964418.32W | Y              | FB    | TF                                 | 038.67 | 16.98                     | AT/ABOVE FL240 |                     |                |
| BIGTX                        | 284917.82N / 0963656.48W | Y              | FB    | TF                                 | 038.78 | 10.33                     |                |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              | FB    | TF                                 | 042.49 | 40.92                     | 11000B13000    | AT 250K             |                |
|                              |                          |                |       |                                    |        |                           |                |                     |                |
| En Route Transition          |                          |                |       |                                    |        |                           |                |                     |                |
| SAT VORTAC                   | 293838.51N / 0982740.74W | Y              |       | IF                                 |        |                           |                |                     | SAT.BELLR5     |
| BALKK                        | 292511.78N / 0970136.90W | Y              | FB    | TF                                 | 099.77 | 76.27                     | AT/ABOVE FL240 |                     |                |
| PARAA                        | 292438.91N / 0965814.25W | Y              | FB    | TF                                 | 100.48 | 03.00                     |                |                     |                |
| GLOCK                        | 292248.61N / 0963852.68W | Y              | FB    | TF                                 | 096.11 | 17.01                     | AT/ABOVE FL190 |                     |                |
| KMMBR                        | 292158.62N / 0963022.19W | Y              | FB    | TF                                 | 096.34 | 07.48                     |                |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              | FB    | TF                                 | 096.36 | 22.03                     | 11000B13000    | AT 250K             |                |



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|------------------------------|--------------------------|----------------|-------|------------------------------------|--------|---------------------------|---------------|---------------------|----------------|
| FIX/NAVAID                   | LAT/LONG                 | C              | FO/FB | LEG<br>TYPE                        | TC     | DIST<br>(NM)              | ALTITUDE      | SPEED               | REMARKS        |
| En Route Transition          |                          |                |       |                                    |        |                           |               |                     |                |
| WEMAR                        | 293937.15N / 0970037.45W | Y              |       | IF                                 |        |                           |               |                     | WEMAR.BELLR5   |
| SHERE                        | 292806.86N / 0962850.40W | Y              | FB    | TF                                 | 112.36 | 30.00                     |               |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              | FB    | TF                                 | 112.62 | 22.27                     | 11000B13000   | AT 250K             |                |
|                              |                          |                |       |                                    |        |                           |               |                     |                |
| Common Route                 |                          |                |       |                                    |        |                           |               |                     |                |
| BELLR                        | 291929.45N / 0960519.17W | Y              |       | IF                                 |        |                           | 11000B13000   | AT 250K             | BELLR.BELLR5   |
| HNTRR                        | 292810.22N / 0955242.41W | Y              | FB    | TF                                 | 051.79 | 14.01                     | 8000B10000    |                     |                |
|                              |                          |                |       |                                    |        |                           |               |                     |                |
| Runway Transition            |                          |                |       |                                    |        |                           |               |                     |                |
| HNTRR                        | 292810.22N / 0955242.41W | Y              |       | IF                                 |        |                           | 8000B10000    |                     |                |
| GEEEO                        | 292849.23N / 0953856.30W | Y              | FB    | TF                                 | 086.85 | 12.04                     | AT 6000       | AT 210K             |                |
| KHOU:RWY 4                   |                          |                |       |                                    |        |                           |               |                     |                |
|                              |                          |                |       |                                    |        |                           |               |                     |                |
| Runway Transition            |                          |                |       |                                    |        |                           |               |                     |                |
| HNTRR                        | 292810.22N / 0955242.41W | Y              |       | IF                                 |        |                           | 8000B10000    |                     |                |
| HACKT                        | 293620.46N / 0953916.72W | Y              | FB    | TF                                 | 055.11 | 14.27                     | AT/BELOW 7000 |                     |                |
| CRSTY                        | 293819.11N / 0953601.06W | Y              | FB    | TF                                 | 055.22 | 03.46                     | AT 6000       | AT 210K             |                |
| SEUSS                        | 293944.20N / 0953423.61W | Y              | FO    | TF                                 | 045.00 | 02.00                     | AT 6000       |                     |                |
| KHOU:RWY 13B                 |                          |                |       |                                    |        |                           |               |                     |                |
|                              |                          |                |       |                                    |        |                           |               |                     |                |
| Runway Transition            |                          |                |       |                                    |        |                           |               |                     |                |
| HNTRR                        | 292810.22N / 0955242.41W | Y              |       | IF                                 |        |                           | 8000B10000    |                     |                |
| AWSTN                        | 293454.81N / 0953149.24W | Y              | FB    | TF                                 | 069.65 | 19.42                     | AT/BELOW 7000 | AT 210K             |                |
| VILLI                        | 293740.49N / 0952312.28W | Y              | FB    | TF                                 | 069.82 | 08.00                     | AT 6000       |                     |                |
| MAAHH                        | 293617.42N / 0950856.16W | Y              | FO    | TF                                 | 096.28 | 12.51                     | AT 6000       |                     |                |
| KHOU:RWY 22                  |                          |                |       |                                    |        |                           |               |                     |                |
|                              |                          |                |       |                                    |        |                           |               |                     |                |
| Runway Transition            |                          |                |       |                                    |        |                           |               |                     |                |
| HNTRR                        | 292810.22N / 0955242.41W | Y              |       | IF                                 |        |                           | 8000B10000    |                     |                |

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|-------------------|--------------------------|----------|--------------|---------------------|-----------|----------------------|-------------------|--------------|----------------|----------------|
| BELLR (RNAV)      |                          | FIVE     |              | BELLR.BELLR5        |           |                      | FOUR              |              | 10/07/2021     |                |
| <u>FIX/NAVAID</u> | <u>LAT/LONG</u>          | <u>C</u> | <u>FO/FB</u> | <u>LEG<br/>TYPE</u> | <u>TC</u> | <u>DIST<br/>(NM)</u> | <u>ALTITUDE</u>   | <u>SPEED</u> | <u>REMARKS</u> |                |
| AWSTN             | 293454.81N / 0953149.24W | Y        | FB           | TF                  | 069.65    | 19.42                | AT/BELOW 7000     | AT 210K      |                |                |
| VILLI             | 293740.49N / 0952312.28W | Y        | FB           | TF                  | 069.82    | 08.00                | AT 6000           |              |                |                |
| RJAAY             | 293349.45N / 0951825.27W | Y        | FO           | TF                  | 132.63    | 05.67                | AT 6000           |              |                |                |
| KHOU:RWY 31B      |                          |          |              | FM                  | 132.63    |                      |                   |              |                |                |

