



[ OFF ]

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TFTTOUR1 22DEC2022 KMEM-KAFW B77F N715SB RELEASE 1955 22DEC22  
OFF 1 MEMPHIS INTL-FT WORTH ALLIANCE  
WX PROG 2218 2221 2300 OBS 2212 2212 2212

ATC C/S TFTTOUR1 KMEM/MEM KAFW/AFW CRZ SYS CI 20  
22DEC2022 N715SB 1955/2015 2145/2153 GND DIST 430  
B777-F / GE90-110B1 STA 2140 AIR DIST 582  
CTOT:.... G/C DIST 386

MAXIMUM TOW 766800 LAW 575000 ZFW 547000  
ESTIMATED TOW 554793 LAW 531683 ZFW 497700  
AVG WIND 281/111  
AVG W/C M101  
AVG ISA P001  
AVG FF LB/HR 15367  
FUEL BIAS P00.0  
TKOF ALTN .....

ALTN KIAH  
FL STEPS KMEM/0320/

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DISP RMKS PLANNED OPTIMUM FLIGHT LEVEL

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PLANNED FUEL

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FUEL ARPT FUEL TIME  
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TRIP AFW 23110 0130  
CONT 15 MIN 3842 0015  
ALTN IAH 11394 0044  
FINRES 13473 0100  
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MINIMUM T/OFF FUEL 51819 0329  
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EXTRA 5274 0020  
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T/OFF FUEL 57093 0349  
TAXI MEM 1400 0020  
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BLOCK FUEL MEM 58493  
PIC EXTRA .....  
TOTAL FUEL .....  
REASON FOR PIC EXTRA .....

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FMC INFO:  
FINRES+ALTN 24867  
TRIP+TAXI 24510  
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NO TANKERING RECOMMENDED (P)

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I HEREWITH CONFIRM THAT I HAVE PERFORMED A THOROUGH SELF BRIEFING  
ABOUT THE DESTINATION AND ALTERNATE AIRPORTS OF THIS FLIGHT  
INCLUDING THE APPLICABLE INSTRUMENT APPROACH PROCEDURES, AIRPORT  
FACILITIES, NOTAMS AND ALL OTHER RELEVANT PARTICULAR INFORMATION.

DISPATCHER: JUDITH MACIAS

PIC NAME: B, DAVID

TEL: +1 800 555 0199

PIC SIGNATURE: .....



ALTERNATE ROUTE TO:				FINRES 13473			
APT	TRK	DST	VIA	FL	WC	TIME	FUEL
KIAH/26R 150 253 JPOOL2 TORNNDRLLR5				290	P051	0044	11394

MEL/CDL ITEMS DESCRIPTION

ROUTING:

ROUTE ID: DEF RTE  
KMEM/18R CHLDR5 ANSWA DCT LIT DCT PONY TRUUK2 KAFW/34L

DEPARTURE ATC CLEARANCE:

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## OPERATIONAL IMPACTS

WEIGHT CHANGE UP 1.0	TRIP P 0043 LBS	TIME P 0001
WEIGHT CHANGE DN 1.0	TRIP M 0042 LBS	TIME P 0000
FL CHANGE UP FL1	TRIP P 0138 LBS	TIME P 0001
FL CHANGE DN FL1	TRIP P 0129 LBS	TIME P 0000
FL CHANGE DN FL2	TRIP P 0280 LBS	TIME M 0001
SPD CHANGE CI 0	TRIP M 0047 LBS	TIME P 0000
SPD CHANGE CI 500	TRIP P 0653 LBS	TIME M 0004

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ATIS:.  
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RVSM: ALT SYS LEFT:

STBY:

RIGHT:  
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-----TIMES  
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	ESTIMATED	SKED	ACTUAL
OUT	1955Z/1355L	1955Z/1355L	.....Z
OFF	2015Z/1415L	2015Z/1415L	.....Z
ON	2145Z/1545L	2132Z/1532L	.....Z
IN	2153Z/1553L	2140Z/1540L	.....Z
BLOCK TIME	0158	0145	.....

  
-----WEIGHTS  
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	EST	MAX	ACTUAL	
PAX	0		.....	
CARGO	185.9		.....	
PAYLOAD	185.9		.....	
ZFW	497.7	547.0	.....	
FUEL	58.5	101.8	.....	POSS EXTRA 43.3
TOW	554.8	598.1	LDG.....	
STAB TRIM			.....	
LAW	531.7	575.0	.....	

  
-----TERRAIN CLEARANCE CHECK  
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DD CHECK - TERRAIN CLEARANCE CHECK DISABLED

DP CHECK - TERRAIN CLEARANCE CHECK DISABLED  
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## FLIGHT LOG

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MOST CRITICAL MORA 03900 FEET AT LIT///MXSHR 04 AT ANSWA

AWY				FL	IMT	MN	WIND	OAT	EFOB	PBRN
POSITION	LAT	EET	ETO	MORA	ITT	TAS	COMP	TDV		
IDENT	LONG	TTLT	ATO	DIS	RDIS	GS	SHR	TRP	AFOB	ABRN
FREQ										
MEMPHIS INT	N3502.5		...	24	197				57.1	1.4
KMEM	W08958.6	0000	...		196		M027			
					430	242			....	....
CHLDR5				058	271	.41	241/037	M03	54.7	3.8
CHE TO	N3456.5	0002	...	24	269		M027	M06		
CHE TO	W09000.7	0002	...	6	424	242		355	....	....
CHLDR5				111	267	.57	244/052	M08	53.5	5.1
MUDHO	N3456.5	0001	...	23	265		M048	M01		
MUDHO	W09006.4	0003	...	5	419	318		355	....	....
CHLDR5				161	267	.63	248/074	M16	52.3	6.2
NIXOE	N3456.0	0002	...	24	266		M071	P01		
NIXOE	W09013.5	0005	...	6	413	328		355	....	....
CHLDR5				282	261	.82	260/107	M42	49.5	9.0
PEPOC	N3454.3	0004	...	24	259		M107	M01		
PEPOC	W09043.8	0009	...	25	388	382		353	....	....
CHLDR5				294	260	.84	260/108	M45	49.1	9.4
CHLDR	N3453.6	0001	...	22	259		M108	M01		
CHLDR	W09048.1	0010	...	4	384	386		354	....	....
CHLDR5				320	260	.84	261/107	M51	48.3	10.2
T O C	N3451.8	0002	...	23	259	488	M107	M02		
	W09100.1	0012	...	10	374	381	1	354	....	....
CHLDR5				320	260	.80	269/115	M50	46.7	11.8
ANSWA	N3444.5	0006	...	25	259	466	M114	M01		
ANSWA	W09146.5	0018	...	39	335	352	4	350	....	....
DCT				320	255	.80	270/116	M50	45.9	12.7
LITTLE ROCK	N3440.7	0004	...	39	255	466	M114	M01		
LIT	W09210.8	0022	...	20	315	352	4	351	....	....
113.90										
DCT				320	252	.80	285/129	M48	41.9	16.7
PONY	N3415.6	0016	...	31	252	468	M116	P01		
PONY	W09401.6	0038	...	95	220	352	3	382	....	....
FT WORTH FIR/UIR										
-KZFW	N3416.0	0000	...							
	W09400.3	0038	...	0	220					
TRUUK2				320	252	.80	285/129	M48	40.9	17.6
RIDDE	N3408.9	0004	...	32	253	467	M114	P01		
RIDDE	W09427.9	0042	...	23	197	353	3	382	....	....



AWY POSITION IDENT FREQ	LAT LONG	EET TTLT	ETO ATO	FL MORA DIS	IMT ITT RDIS	MN TAS GS	WIND COMP SHR	OAT TDV TRP	EFOB AFOB	PBRN ABRN
TRUUK2				320	250	.80	291/126	M48	38.6	19.9
MELTE	N3352.9	0009	...	27	252	467	M106	P01		
MELTE	W09530.9	0051	...	55	142	361	2	397	....	....
TRUUK2				320	249	.80	291/126	M48	37.0	21.6
T O D	N3341.0	0006	...	29	252	466	M105	P01		
	W09615.6	0057	...	39	103	361	2	396	....	....
TRUUK2				293	219	.84	292/124	M41	36.8	21.7
CAINE	N3339.0	0002	...	29	221		M101	P03		
CAINE	W09623.2	0059	...	7	96	398		396	....	....
TRUUK2				230	267	.73	289/093	M25	36.5	22.1
SASIE	N3327.0	0005	...	29	270		M043	P06		
SASIE	W09635.8	0104	...	16	80	409		394	....	....
TRUUK2				129	243	.59	280/069	M05	35.9	22.7
BLECO	N3327.0	0008	...	30	245		M068	P06		
BLECO	W09706.5	0112	...	26	54	314		394	....	....
TRUUK2				094	182	.45	283/058	M01	35.7	22.9
TRUUK	N3323.4	0002	...	30	185		M048	P03		
TRUUK	W09716.4	0114	...	9	45	242		394	....	....
TRUUK2									34.0	24.5
FT WORTH AL	N3259.4	0016	...							
KAFW	W09719.2	0130	...	45					....	....

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WIND INFORMATION  
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## CLIMB

350 263/107 -56  
310 259/106 -49  
200 252/082 -24  
150 248/070 -14  
100 243/048 -07

## T O C

360 264/108 -57  
340 263/108 -55  
320 261/108 -51  
300 260/108 -46  
280 260/109 -41

## ANSWA

360 272/117 -55  
340 273/121 -53  
320 270/116 -50  
300 267/112 -46  
280 265/112 -41

## LIT

360 273/117 -55  
340 273/121 -53  
320 270/117 -50  
300 267/113 -46  
280 265/112 -41

## PONY

360 287/129 -56  
340 286/134 -52  
320 285/129 -48  
300 284/123 -44  
280 280/116 -40

## RIDDE

360 287/129 -56  
340 286/134 -52  
320 285/129 -48  
300 284/123 -44  
280 280/116 -40

## MELTE

360 292/126 -57  
340 289/126 -53  
320 291/126 -48  
300 293/125 -43  
280 292/122 -38

## T O D

360 292/126 -57  
340 289/126 -53  
320 291/126 -48  
300 293/125 -43  
280 291/122 -38

## DESCENT

350 290/125 -55  
310 292/125 -46  
200 285/088 -18  
150 284/075 -08  
100 282/062 -01

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[ ATC Flight Plan ]

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ICAO FLIGHT PLAN  
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FF KZMEZQZX KZFWZQZX  
221955 CYULSBFP  
(FPL-TFTTOUR1-IS  
-B77L/H-SDE1E2E3FGHIJ2J3J4J5M1RWXY/LB1D1  
-KMEM1955  
-N0466F320 CHLDR5 ANSWA DCT LIT DCT PONY TRUUK2  
-KAFW0120 KIAH  
-PBN/A1B1C1D1L1O1S2 DOF/221222 REG/N715SB EET/KZFW0038 PER/D  
RMK/TCAS)



[ Additional Info ]

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D I S P A T C H   B R I E F I N G   I N F O        TFTTOUR1   KMEM/KAFW





## [ Airport WX List ]

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KMEM --> KAFW TFTTOUR1 / 22DEC2022  
LIDO/WEATHER SERVICE DATE : 22Dec2022 TIME : 19:55 UTC

## AIRMETs:

No Wx data available

## SIGMETs:

No Wx data available

## Tropical Cyclone SIGMETs:

No Wx data available

## Volcanic Ash SIGMETs:

No Wx data available

## Departure:

KMEM/MEM MEMPHIS INTL

SA 221908 23008G16KT 160V260 8SM BKN009 OVC015 07/05 A2985 RMK  
AO2 CIG 008V011 T00670050  
FT 221746 2218/2324 22011KT 5SM BR BKN007 OVC015  
FM222130 32018G28KT 2SM -RASN BR OVC006  
TEMPO 2222/2223 2SM FZRASN  
FM222300 32022G32KT 3/4SM -SN OVC008  
FM230100 33024G34KT 2SM BLSN OVC010  
FM230300 33022G32KT P6SM BKN015  
FM230600 32017G25KT P6SM FEW020  
FM231000 31014G22KT P6SM SKC  
FM231500 30018G26KT P6SM SKC

## Destination:

KAFW/AFW FT WORTH ALLIANCE

SA 221853 34028G38KT 10SM OVC025 M09/M16 A3026 RMK AO2 PK WND  
32039/1842 SLP262 T10891156  
FT 221840 2219/2318 34030G40KT P6SM BKN025  
FM222200 35027G37KT P6SM SCT045 BKN250  
FM231000 35018G28KT P6SM BKN250

## Destination Alternates:

KIAH/IAH GEORGE BUSH INTERCONTINENTAL/H

SA 221853 29012G19KT 7SM -RA OVC015 13/11 A2999 RMK AO2 RAB16  
SLP156 PCPN VRY LGT P0000 T01280106  
FT 221727 2218/2324 29010KT P6SM SCT009 BKN015  
FM222000 32015G30KT P6SM BKN012  
FM222300 35025G35KT P6SM FEW025  
FM231200 35015G25KT P6SM SKC  
FM231800 35016KT P6SM SKC

AIRPORTLIST ENDED



[ NOTAM ]

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LIDO-NOTAM-BULLETIN INCLUDES NOTAM, COMP NOTAM AND AIP-REGULATION  
**VALID: 2212221955 - 2212230137** STD(EOBT)+TRIP+ALTN+3HRS  
TFTTOUR1 /22DEC OFP-NR: 1  
ROUTE: KMEM - KAFW ALTN: KIAH  
N0466F320 CHLDR5 ANSWA DCT LIT DCT PONY TRUUK2

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**DEPARTURE AIRPORT - DETAILED INFO**

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**KMEM/MEM          MEMPHIS INTL**

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+++++ AIRPORT +++++

**A9028/22**

MEM APRON ALL FICON WET OBS AT 2212220751.

**A9027/22**

MEM **TWY** ALL FICON WET OBS AT 2212220750.

**12/205**

**RWY 36R** 5000FT DIST REMAINING SIGN LGT **U/S**

**12/204**

**RWY 18L** 4000FT DIST REMAINING SIGN LGT **U/S**

**12/188**

**AD** AP WINDCONE FOR **RWY 18C** LGT **U/S**

**12/166**

**RWY 09** 6000FT DIST REMAINING SIGN LGT **U/S**

**12/165**

**RWY 18R** 5000FT DIST REMAINING SIGN LGT **U/S**

**12/164**

**RWY 36L** 4000FT DIST REMAINING SIGN LGT **U/S**

**A8687/22**

MEM **TWY S6** NOW **TWY S5**

**A8686/22**

MEM **TWY S5** NOW **TWY S6**

**A8685/22**

MEM **TWY Y2** NOW **TWY Y3**

**A8684/22**

MEM **TWY Y1** NOW **TWY Y2**

**A8683/22**

MEM **TWY Q** NOW **TWY Y1**

**11/403**

**RWY 36C** 5000FT DIST REMAINING SIGN LGT **U/S**

**11/402**

**RWY 18C** 6000FT DIST REMAINING SIGN LGT **U/S**

**11/340**

**RWY 27** 2000FT DIST REMAINING SIGN LGT **U/S**

**A8262/22**

MEM **TWY N** BTN **TWY M7** AND **TWY T** OPN TO ALL ACFT

**A8261/22**

MEM **TWY N** BTN **TWY M** AND **TWY M7** **CLSD** TO ACFT WINGSPAN MORE  
THAN 171.5FT EXC TAX SPEED LESS THAN 15MPH

**10/015**

**TWY M** APCH AREA HLDG PSN SIGN BTN **TWY M9** AND **TWY N**  
MISSING

**A3630/22**

AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN,  
ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO  
ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND **CAT**  
A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12,  
2021-23-13

+++++ RUNWAY +++++

**A9030/22**

MEM **RWY 18R** RAI LGT **U/S**

**A9026/22**

MEM **RWY 18R** FICON 5/5/5 100 PCT WET OBS AT 2212220749.

**A9025/22**

MEM **RWY 18L** FICON 5/5/5 100 PCT WET OBS AT 2212220747.

**A9024/22**

MEM **RWY 18C** FICON 5/5/5 100 PCT WET OBS AT 2212220746.

**A9023/22**

MEM **RWY 27** FICON 5/5/5 100 PCT WET OBS AT 2212220744.

**A6183/22**

**RWY 36C** PAPI **U/S**

+++++ SID +++++

**A9012/22**

MEM ODP MEMPHIS INTL, MEMPHIS, TN.  
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 4A...  
TAKEOFF MINIMUMS: **RWY 36C**, 200-1 OR STANDARD WITH MINIMUM CLIMB OF  
387FT PER NM TO 500. **RWY 36R**, 200-1 1/8 OR STANDARD WITH MINIMUM  
CLIMB OF 229FT PER NM TO 500.  
TEMPORARY CRANES 432FT MSL 3605FT NORTH OF **RWY 18C**  
(2021-ASO-376,77,78,79-NRA).  
ALL OTHER DATA REMAINS AS PUBLISHED.

**A9011/22**

MEM SID MEMPHIS INTL, MEMPHIS, TN.  
ELVIS FOUR DEPARTURE...  
TAKEOFF MINIMUMS: **RWY 36C**, 200-1 OR STANDARD WITH MINIMUM CLIMB OF  
387FT PER NM TO 500. **RWY 36R**, 200-1 1/8 OR STANDARD WITH MINIMUM  
CLIMB OF 229FT PER NM TO 500. TEMPORARY CRANES 432FT MSL 3605FT  
NORTH OF **RWY 18C** (2021-ASO-376,77,78,79-NRA).  
ALL OTHER DATA REMAINS AS PUBLISHED.

+++++ APPROACH PROCEDURES +++++

**A9010/22**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.  
RNAV (RNP) Y **RWY 18C**, ORIG-E...  
RNP 0.30 DA\* 656/HAT 366 ALL CATS.  
TEMPORARY CRANES 432FT MSL 3605FT NORTH OF **RWY 18C**  
(2021-ASO-376,77,78,79-NRA).

**A9009/22**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.  
RNAV (RNP) Y **RWY 18L**, ORIG-D...  
RNP 0.30 DA\* 719/HAT 418 ALL CATS.  
TEMPORARY CRANES 432FT MSL 5473FT NORTH OF **RWY 18L**  
(2021-ASO-376,77,78,79-NRA).

**A9008/22**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.  
**ILS OR LOC RWY 18L**, AMDT 2D...  
BRYSN FIX MINIMUMS: S-LOC 18L, MDA 700/HAT 399 ALL CATS.  
VISIBILITY **CAT C** RVR 3500.  
VDP AT I-EXS 2.74 DME; DISTANCE VDP TO THLD 1.09 NM.  
CHANGE NOTE TO READ: FOR INOP ALS, INCREASE S-ILS 18L **CAT E**  
VISIBILITY TO RVR 4000, S-LOC 18L **CAT E** VISIBILITY TO 1 3/4 SM,  
BRYSN FIX MINIMUMS, INCREASE S-LOC 18L CATS D/E VISIBILITY TO RVR  
6000.  
TEMPORARY CRANES 432FT MSL 5473FT NORTH OF **RWY 18L**  
(2021-ASO-376,77,78,79-NRA).

**A8459/22**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.  
**ILS OR LOC RWY 18C**, AMDT 1D...  
**ILS OR LOC RWY 18L**, AMDT 2D...  
**ILS OR LOC RWY 36R**, AMDT 3D...  
**ILS OR LOC RWY 9**, AMDT 27B...  
**ILS RWY 36R** (CAT II-III), AMDT 3D...  
**DME** REQUIRED EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM  
WITH GPS,  
**HLI VORTAC OUT OF SERVICE.**

**A3629/22**

**ILS RWY 36C** (CAT II - III), AMDT 3F ...  
**ILS RWY 36L** (CAT II - III), AMDT 14E ...  
**ILS RWY 36R** (CAT II - III), AMDT 3D ...  
PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVES 2021-23-12, 2021-23-13

+++++ STAR +++++

**A5936/22**

WILDER ONE ARRIVAL. ALT TRANSITION STARTS AT MKL. ROUTE FM MKL TO  
WLDER IS NOT AUTH. REASON : MKL EXTENDED OUTAGE.

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**DESTINATION AIRPORT - DETAILED INFO**  
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**KAFW/AFW FT WORTH ALLIANCE**  
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+++++ AIRPORT +++++

**12/051**

**TWY H** HLDG PSN SIGN WEST SIDE FOR **RWY 16L/34R** LGT  
U/S

**A1137/22**

AFW NAV **ILS RWY 16L** REDUCED LGT SPECIAL AUTH **CAT II AVBL**

**A0790/22**

**RWY 34L** RTHL U/S

**A0031/22**

AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN,  
ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO  
ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND **CAT**  
A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12,  
2021-23-13 F) SFC G) UNL



+++++ RUNWAY +++++

**A1099/22**

AFW RWY 34L RTHL U/S

**A1098/22**

AFW RWY 16L/34R RCLL U/S

**A0989/22**

AFW RWY 16R RWY END ID LGT U/S

**A0344/22**

RWY 34L RWY END ID LGT U/S

+++++ SID +++++

**A1194/22**

AFW SID PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.

DALLAS TWO DEPARTURE...

GARLAND FOUR DEPARTURE...

JOE POOL FIVE DEPARTURE...

KINGDOM THREE DEPARTURE...

KUSSO ONE DEPARTURE (RNAV)...

NANDR ONE DEPARTURE (RNAV)...

SWABR ONE DEPARTURE (RNAV)...

TEXOMA FOUR DEPARTURE...

WORTH NINE DEPARTURE...

TAKEOFF MINIMUMS RWY 16L, 16R, 300-2 1/4 OR STANDARD WITH MINIMUM  
CLIMB OF 321 FT PER NM TO 1100.

TAKEOFF OBSTACLE NOTES:

RWY 16L, TEMPORARY CRANE, 1.06 NM FROM DER, 1118 FT LEFT OF  
CENTERLINE, 145 AGL/852 MSL (2020-ASW-17157-OE). TEMPORARY CRANE,  
1.08 NM FROM DER, 492 FT LEFT OF CENTERLINE, 170 AGL/878 MSL  
(2020-ASW-17152-OE),

RWY 16R, TEMPORARY CRANE, 1.06 NM FROM DER, 1719 FT LEFT OF  
CENTERLINE, 145 AGL/852 MSL (2020-ASW-17157-OE), TEMPORARY CRANE,  
1.08 NM FROM DER, 1092 FT LEFT OF CENTERLINE, 170 AGL/878 MSL  
(2020-ASW-17152-OE).

ALL OTHER DATA REMAINS AS PUBLISHED.

**A1193/22**

AFW ODP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2...

TAKEOFF MINIMUMS RWY 16L, 16R, 300-2 1/4 OR STANDARD WITH MINIMUM  
CLIMB OF 321 FT PER NM TO 1100.

TAKEOFF OBSTACLE NOTES:

RWY 16L, TEMPORARY CRANE, 1.06 NM FROM DER, 1118 FT LEFT OF  
CENTERLINE, 145 AGL/852 MSL (2020-ASW-17157-OE).

TEMPORARY CRANE, 1.08 NM FROM DER, 492 FT LEFT OF CENTERLINE, 170  
AGL/878 MSL (2020-ASW-17152-OE),

RWY 16R, TEMPORARY CRANE, 1.06 NM FROM DER, 1719 FT LEFT OF  
CENTERLINE, 145 AGL/852 MSL (2020-ASW-17157-OE),

TEMPORARY CRANE, 1.08 NM FROM DER, 1092 FT LEFT OF CENTERLINE, 170  
AGL/878 MSL (2020-ASW-17152-OE).

ALL OTHER DATA REMAINS AS PUBLISHED.

**A0697/22**

NANDR ONE DEPARTURE (RNAV)...

PROCEDURE UNAVAILABLE. DO NOT FILE.

**A0555/22**

WORTH NINE DEPARTURE...

TEXICO TRANSITION: FROM LBB VORTAC TO TXO VORTAC MOCA 5600.

ALL OTHER DATA REMAINS AS PUBLISHED.

**A0301/22**

WORTH NINE DEPARTURE ...

LUBBOCK TRANSITION FROM ABILENE (ABI) **VORTAC** TO LUBBOCK (LBB)**VORTAC** MEA FL180, MOCA NA. ALL OTHER DATA REMAINS AS PUBLISHED.

+++++ APPROACH PROCEDURES +++++

**A1199/22**AFW IAP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.**ILS** OR **LOC RWY 16L**, AMDT 7...RNAV (GPS) **RWY 16L**, AMDT 2...RNAV (GPS) **RWY 16R**, AMDT 1A...CIRCLING **CAT** A MDA 1240/HAA 517.TEMPORARY CRANE 878 MSL 1.13 NM SE OF **RWY 34R** (2020-ASW-17152-OE).**A1198/22**AFW IAP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.RNAV (GPS) **RWY 34R**, AMDT 3...

LPV DA 1202/HAT 521 ALL CATS. VISIBILITY ALL CATS RVR 5500.

LNAV MDA VISIBILITY CATS A/B RVR 4000.

NOTE: **RWY 34R** HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT  
AUTHORIZED.CHANGE NOTE TO READ: FOR INOP ALS, INCREASE LPV ALL CATS  
VISIBILITY TO 1 1/2 SM, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO  
2 SM, INCREASE LNAV CATS A/B TO RVR 5500, **CAT E** VISIBILITY TO 1  
5/8 SM. TEMPORARY CRANE 878 MSL 1.13 NM SE OF **RWY 34R**  
(2020-ASW-17152-OE).**A1197/22**AFW IAP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.**ILS** OR **LOC RWY 34R**, AMDT 7...

S-ILS 34R, DA 1178/HAT 497 ALL CATS. VISIBILITY ALL CATS RVR 5000.

S-LOC 34R, VISIBILITY CATS A/B RVR 4000.

NOTE: **RWY 34R** HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT  
AUTHORIZED.CHANGE NOTE TO READ: FOR INOP ALS, INCREASE S-ILS 34R ALL CATS  
VISIBILITY TO 1 3/8 SM AND S-LOC 34R CATS A/B VISIBILITY TO RVR  
5500, **CAT E** TO 1 5/8 SM.TEMPORARY CRANE 878 MSL 1.13 NM SE OF **RWY 34R** (2020-ASW-17152-OE).**A1173/22**AFW IAP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.RNAV (GPS) **RWY 16L**, AMDT 2...

LNAV MDA 1180/HAT 457 ALL CATS. VIS CATS C/D/E RVR 4500.

CIRCLING **CAT** A MDA 1180/HAA 457.

VDP 1.26 NM TO RW16L.

FOR **INOPERATIVE** ALS, INCREASE LPV **CAT E** VISIBILITY TO RVR 4000,  
LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV CATS C/D/E  
VISIBILITY TO 1 3/8 SM.TEMPORARY CRANES, 875 MSL, BEGINNING 1.35 NM NORTH OF APCH END **RWY**  
16L (2022-ASW-1172 THRU 1175-OE).**A1172/22**AFW IAP PEROT FLD/FORT WORTH ALLIANCE,  
FORT WORTH, TX.RNAV (GPS) **RWY 16R**, AMDT 1A...

LNAV MDA 1180/HAT 459 ALL CATS. VIS CATS C/D/E 1 3/8.

VDP 1.20 NM TO RW16R.

TEMPORARY CRANES, 875 MSL, BEGINNING 1.35 NM NORTH OF APCH END **RWY**  
16R (2022-ASW-1172 THRU 1175-OE).

**A1136/22**

AFW NAV ILS RWY 16L CAT III NA

**A0318/22**

ILS OR LOC RWY 16L, AMDT 7...

RADAR REQUIRED FOR PROCEDURE ENTRY EXCEPT FOR ACFT EQUIPPED WITH  
SUITABLE RNAV SYSTEM WITH GPS,  
UKW VOR OUT OF SERVICE.**A0030/22**

ILS OR LOC RWY 16L (CAT II - III), AMDT 7...

PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUETO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES  
2021-23-12, 2021-23-13.

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**DESTINATION ALTERNATE AIRPORT(S)**

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**KIAH/IAH        GEORGE BUSH INTERCONTINENTAL/H**

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+++++ AIRPORT ++++++

**12/269**AIRSPACE UAS WI AN AREA DEFINED AS 5.3NM RADIUS OF  
IAH022012.3NM SFC-400FT DLY 1300-2300**12/233**

RWY 09/27 CL MARKINGS OBSC

**12/232**

RWY 08R LEAD OFF CL MARKINGS AT TWY NG OBSC

**12/214**TWY SF EDGE MARKINGS BTN RWY 09/27 AND TWY SA  
FADED**12/213**

RWY 09 THR MARKINGS NOT STD

**12/212**

RWY 27 LEAD OFF CL MARKINGS AT TWY SG OBSC

**12/210**

RWY 09/27 CL MARKINGS NOT STD

**12/209**

RWY 09/27 EDGE MARKINGS NOT STD

**12/202**

APRON TXL RA CL MARKING AT TXL R2 NOT STD

**12/132**TWY SG CL MARKINGS BTN RWY 09/27 AND TWY SA NOT  
STD**12/126**

TWY WW CL MARKINGS BTN TWY NE AND TWY WB NOT STD

**12/079**APRON TXL RB CL MARKINGS BTN TWY SC AND TWY SF NOT  
STD**A6292/22**IAH TWY NB BTN TWY NG AND TWY NP CLSD TO ACFT WINGSPAN MORE THAN  
225FT EXC PPR**10/355**

RWY 26R LEAD OFF CL MARKINGS AT TWY NE NOT STD

**10/354**

RWY 26R LEAD OFF CL MARKINGS AT TWY FE OBSC

**10/353**

RWY 08L/26R CL MARKINGS OBSC





10/352

RWY 26R LEAD OFF CL MARKINGS AT TWY FD OBSC

10/336

RWY 26L LEAD OFF CL MARKINGS AT TWY NF OBSC

10/334

RWY 08R LEAD OFF CL MARKINGS AT TWY NN OBSC

10/332

RWY 08R/26L CL MARKINGS OBSC

A5590/22

TWY SB BTN TWY SF AND TWY SG CLSD TO ACFT WINGSPAN MORE THAN 171FT

A5551/22

TWY WP SAFETY AREA BTN TWY WW AND TWY WD IRREGULAR SFC

A5384/22

TWY NC BTN TWY NE AND TWY NR CLSD TO ACFT WINGSPAN MORE THAN 118FT

A5261/22

TWY NN BTN TWY NA AND TWY NB WIP CONST XNG

A5260/22

TWY NP BTN APCH END RWY 26L AND TWY NB WIP CONST XNG

A5132/22

TWY NC BTN TWY ND AND TWY NG CLSD TO ACFT WINGSPAN MORE THAN 118FT

A5128/22

TERMINAL C NORTH RAMP SPOT 16 CLSD TO ACFT WINGSPAN MORE  
THAN 118FT

A5111/22

TWY FD BTN TWY FA AND TWY NE CLSD TO ACFT WINGSPAN MORE THAN 171FT

A3785/22

TWY NL BTN RWY 08R/26L AND TWY NA CLSD

A3784/22

TWY NK BTN RWY 08R/26L AND TWY NB CLSD

A3783/22

TWY NA BTN TWY NJ AND TWY NN CLSD

A2411/22

TWY NB BTN TWY NF AND TWY NP RUNUP PAD FOR RWY 26L WIP  
CONST NORTH SIDE PERSONNEL AND EQPT

A2409/22

TWY NA BTN TWY NK AND TWY NP WIP CONST SOUTH SIDE  
PERSONNEL AND EQPT CROSSING TWY

A2408/22

TWY NP BTN TWY CC AND TWY EE WIP PERSONNEL AND EQPT  
CROSSING TWY

A2398/22

TWY NP RUNUP PAD FOR RWY 26L CLSD

A2373/22

TWY NA BTN TWY NK AND TWY NP CLSD TO ACFT WINGSPAN MORE THAN 171FT

04/152

AIRSPACE UAS WI AN AREA DEFINED AS 5NM RADIUS OF  
294409N0950954W (5.9NM NW T41) SFC-200FT AGL MON-FRI 1300-2030

04/154

AIRSPACE UAS WI AN AREA DEFINED AS 5NM RADIUS OF  
294340N0950523W (3.1NM NW T41) SFC-400FT AGL MON-FRI 1300-2030

A0364/22

DLY 0400-1400

APRON TXL RC W 1000FT CLSD

A0187/22

AP RDO ALTIMETER UNREL. AUTOLAND, HUD TO TOUCHDOWN,  
ENHANCED FLT VISION SYSTEMS TO TOUCHDOWN, HEL OPS REQUIRING RDO  
ALTIMETER DATA TO INCLUDE HOVER AUTOPILOT MODES AND **CAT**  
A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12,  
2021-23-13 F) SFC G) UNL



**12/278**

OBST ANTENNA (ASN 2020-ASW-8278-NRA)  
295854N0951919W (1.0NM E IAH) 305FT (220FT AGL) LGTD

+++++ RUNWAY +++++

**A6705/22**

IAH **RWY 33R** RVRR **U/S**

**A6703/22**

IAH **RWY 15L** RVRT **U/S**

**A6704/22**

IAH **RWY 33L** RVRR **U/S**

**A6702/22**

IAH **RWY 15R** RVRT **U/S**

**A6637/22**

IAH **RWY 09** LEAD OFF CL MARKINGS AT **TWY SJ** OBSC

**A5903/22**

IAH **RWY 15L/33R** SAFETY AREA NOT STD E SIDE BTN **TWY WM** AND **WZ**

+++++ SID +++++

**A5156/22**

ALEXANDRIA THREE DEPARTURE...

CRIED ONE DEPARTURE...

EL DORADO ONE DEPARTURE...

GIFFA ONE DEPARTURE...

INDUSTRY ONE DEPARTURE...

JUNCTION ONE DEPARTURE...

LAKE CHARLES FIVE DEPARTURE...

LEONA FOUR DEPARTURE...

LUFKIN THREE DEPARTURE...

PALACIOS THREE DEPARTURE...

TAKEOFF MINIMUMS: **RWY 15L**: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 426 FT PER NM TO 500. **RWY 15R**: STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 500. TEMPORARY CRANE 280FT MSL 5008FT SE OF **RWY 33R** (2022-ASW-16414-OE). ALL OTHER DATA REMAINS AS PUBLISHED.

**A5155/22**

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2...

TAKEOFF MINIMUMS: **RWY 15L**: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 426 FT PER NM TO 500. **RWY 15R**: STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 500. TEMPORARY CRANE 280FT MSL 5008FT SE OF **RWY 33R** (2022-ASW-16414-OE). ALL OTHER DATA REMAINS AS PUBLISHED.

**A4582/22**

HOODO SEVEN DEPARTURE (RNAV)...

DEPARTURE PROCEDURE GPS REQUIRED,

LEV **VORTAC OUT OF SERVICE**.

**A4543/22**

LAKE CHARLES FIVE DEPARTURE...

DEPARTURE PROCEDURE NA EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS,

LCH **VORTAC OUT OF SERVICE**.

**A3621/21**

BNDTO FIVE DEPARTURE (RNAV)...

CRGER TRANSITION FROM PUFER TO PSTUR MOCA 2400.

ALL OTHER DATA REMAINS AS PUBLISHED.

**A3620/21**

PITZZ FOUR DEPARTURE (RNAV)...

CRGER TRANSITION FROM PUFER TO PSTUR MOCA 2400.

ALL OTHER DATA REMAINS AS PUBLISHED.



+++++ APPROACH PROCEDURES +++++

**A6621/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

RNAV (RNP) Y **RWY 8R**, AMDT 1B...

RNP 0.13 DA 393/HAT 298 ALL CATS.

TEMPORARY CRANES, 382 MSL, BEGINNING 1.00 NM SE OF APCH END **RWY**  
08R (2021-ASW-6632 THRU 6637-NRA).

**A6620/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

RNAV (GPS) Z **RWY 8R**, AMDT 4C...

LPV DA 306/HAT 210 ALL CATS.

LNAV/VNAV DA 437/HAT 341 ALL CATS.

LNAV MDA 940/HAT 844 ALL CATS. VIS **CAT B** RVR 4000, CATS C/D/E 1  
7/8.

VDP 2.41 NM TO RW08R.

FOR **INOPERATIVE** MALSR, INCREASE LPV **CAT E** VISIBILITY TO RVR 4000,  
LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, AND LNAV **CAT B**

VISIBILITY TO 1 1/4, CATS C/D E TO 2 1/2.

TEMPORARY CRANES, 382 MSL, BEGINNING 1.00 NM SE OF APCH END **RWY**  
08R (2021-ASW-6632 THRU 6637-NRA).

**A6619/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

RNAV (GPS) Z **RWY 26L**, AMDT 4B...

LPV DA 373/HAT 278 ALL CATS. VIS RVR 2000 ALL CATS.

FOR **INOPERATIVE** ALSF, INCREASE LPV ALL CATS VISIBILITY TO RVR  
4500, LNAV/VNAV **CAT E** VISIBILITY TO 1 5/8, AND LNAV **CAT E**  
VISIBILITY TO 1 3/4.

TEMPORARY CRANES, 382 MSL, BEGINNING 3973 FT SW OF APCH END **RWY**  
26L (2021-ASW-6632 THRU 6637-NRA).

**A6618/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

**ILS RWY 26L** (SA **CAT I**), AMDT 21D ...

**ILS RWY 26L** (CAT II AND III), AMDT 21D ...

PROCEDURE NA.

TEMPORARY CRANES, 382 MSL, BEGINNING 3973 FT SW OF APCH END **RWY**  
26L (2021-ASW-6632 THRU 6637-NRA)

**A6617/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

**ILS OR LOC RWY 26L**, AMDT 21D...

S-ILS 26L DA 373/HAT 278 ALL CATS. VIS RVR 2000 ALL CATS.

S-LOC 26L MDA 500/HAT 405 ALL CATS. VIS CATS C/D/E RVR 4000.

VDP AT I-JVY 2.80 DME; DISTANCE VDP TO THLD 1.05 MILES.

FOR **INOPERATIVE** ALS, INCREASE S-ILS 26L ALL CATS VISIBILITY TO RVR  
4500, S-LOC 26L **CAT C/D/E** VISIBILITY TO RVR 6000.

TEMPORARY CRANES, 382 MSL, BEGINNING 3973 FT SW OF APCH END **RWY**  
26L (2021-ASW-6632 THRU 6637-NRA).

**A6616/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.

GLS **RWY 26L**, AMDT 1B...

GLS DA 373/HAT 278 ALL CATS. VIS RVR 2000 ALL CATS.

FOR **INOPERATIVE** ALSF, INCREASE GLS ALL CATS VISIBILITY TO RVR  
4500. TEMPORARY CRANES, 382 MSL, BEGINNING 3973 FT SW OF APCH END

**RWY 26L** (2021-ASW-6632 THRU 6637-NRA).

**A6615/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.  
RNAV (GPS) Z **RWY 9**, AMDT 5B...  
LNAV/VNAV DA 546/HAT 455 ALL CATS.  
LNAV MDA 640/HAT 549 ALL CATS. VIS CATS C/D/E 1 1/8.  
VDP 1.50 NM TO RW09.  
FOR **INOPERATIVE** MALSR, INCREASE LPV **CAT E** VISIBILITY TO RVR 4000,  
LNAV/VNAV **CAT E** VISIBILITY TO 1 1/2, AND LNAV **CAT C/D/E** VISIBILITY  
TO 1 5/8 MILE.  
TEMPORARY CRANES, 382 MSL, BEGINNING 3191 FT NORTH OF APCH END **RWY**  
09 (2021-ASW-6632 THRU 6637-NRA).

**A6614/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.  
GLS **RWY 8R**, AMDT 1B...  
GLS DA 306/HAT 210 ALL CATS.  
TEMPORARY CRANES, 382 MSL, BEGINNING 1.00 NM SE OF APCH END **RWY**  
08R (2021-ASW-6632 THRU 6637-NRA).

**A6613/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.  
**ILS RWY 8R** (SA **CAT I** AND **II**), AMDT 26A ...  
PROCEDURE NA.  
TEMPORARY CRANES, 382 MSL, BEGINNING 1.00 NM SE OF APCH END **RWY**  
08R (2021-ASW-6632 THRU 6637-NRA)

**A6612/22**

IAH IAP GEORGE BUSH INTCNTL/HOUSTON,  
HOUSTON, TX.  
**ILS OR LOC RWY 8R**, AMDT 26A...  
S-ILS 8R DA 306/HAT 211 ALL CATS.  
TEMPORARY CRANES, 382 MSL, BEGINNING 1.00 NM SE OF APCH END **RWY**  
08R (2021-ASW-6632 THRU 6637-NRA).

**2/6685**

IAP GEORGE BUSH INTCNTL/HOUSTON, HOUSTON, TX.  
RNAV (RNP) Y **RWY 26L**, ORIG-E...  
RNP 0.13 DA 472/HAT 377 ALL CATS.  
FOR **INOPERATIVE** ALS, INCREASE RNP 0.13 ALL CATS VISIBILITY TO RVR  
5500, AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 SM. EXCEPT WHEN  
ADVISED BY ATCT THAT THIS CRANE IS DOWN.  
TEMPORARY CRANES, 382 MSL, BEGINNING 3973 FT SW OF APCH END **RWY**  
26L (2021-ASW-6632 THRU 6637-NRA).

**A6520/22**

IAH NAV **ILS RWY 26L CAT III** NA

**A5375/22**

RNAV (GPS) Z **RWY 8R**, AMDT 4C...  
LNAV MDA 940/HAT 844 ALL CATS. VIS **CAT B** RVR 4000, **CAT C/D/E** 1  
7/8. FOR **INOPERATIVE** MALSR, INCREASE LPV **CAT E** VISIBILITY TO RVR  
4000, LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000, AND LNAV CATS  
C/D/E VISIBILITY TO 2 1/2.  
ANTENNA, 635 MSL, 6.8 NM WEST OF APCH END **RWY 08R** (48-140143  
PERMANENT).

**A5154/22**

RNAV (GPS) **RWY 33R**, AMDT 2B...

LNAV MDA 580/HAT 492 ALL CATS. VISIBILITY CATS C/D/E RVR 5000.

SIDESTEP **RWY 33L**, MDA 580/HAT 491 CATS A/B/C/D.

VDP 1.40NM TO RW33R.

CHANGE NOTE TO READ: FOR INOP MALSR, INCREASE LPV **CAT E** VISIBILITY TO RVR 4000, LNAV/VNAV **CAT E** VISIBILITY TO 1 3/8 SM AND LNAV CATS C/D/E VISIBILITY TO 1 3/8 SM.

TEMPORARY CRANE 280FT MSL 5008FT SE OF **RWY 33R**

(2022-ASW-16414-OE).

**A5153/22**

**ILS OR LOC RWY 33R**, AMDT 13A...

S-LOC 33R, MDA 580/HAT 492 ALL CATS. VISIBILITY CATS C/D/E RVR 5000.

SIDESTEP **RWY 33L**, MDA 580/HAT 491 CATS A/B/C/D.

VDP AT IAH **VORTAC** 1.47 DME; DISTANCE VDP TO THLD 1.40 NM.

CHANGE NOTE TO READ: FOR INOP MALSR, INCREASE S-ILS 33R **CAT E** VISIBILITY TO RVR 4000, AND S-LOC 33R CATS C/D/E VISIBILITY TO 1 3/8 SM.

TEMPORARY CRANE 280FT MSL 5008FT SE OF **RWY 33R**

(2022-ASW-16414-OE).

**A0184/22**

**ILS RWY 08L** (SA **CAT I**), AMDT 4E ...

**ILS RWY 26L** (SA **CAT I**), AMDT 21D ...

**ILS RWY 26R** (SA **CAT I**), AMDT 4B ...

**ILS RWY 27** (SA **CAT I**), AMDT 11D ...

**ILS RWY 08R** (SA **CAT I - II**), AMDT 26A ...

**ILS RWY 09** (SA **CAT I - II**), AMDT 10B ...

**ILS RWY 08L** (CAT II - III), AMDT 4E ...

**ILS RWY 26L** (CAT II - III), AMDT 21D ...

**ILS RWY 26R** (CAT II - III), AMDT 4B ...

**ILS RWY 27** (CAT II - III), AMDT 11D ...

PROCEDURE NA EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVES 2021-23-12, 2021-23-13

+++++ STAR +++++

**A3206/22**

NNCEE ONE RNAV ARR...

REVISE NOTE: FLY THE **RWY 8R/9**

TRANSITION; HOUSTON APPROACH CONTROL MAY ASSIGN A DIFFERENT TRANSITION ON INITIAL CONTACT

**A2382/22**

HUDZY FOUR ARR... SWB TRANSITION N/A EXC FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS, SWB **VOR U/S**

**A4195/21**

GILCO FIVE ARR... HRV LEV AND SJI TRANSITION: GPS REQUIRED. LEV **VOR U/S**



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**EXTENDED AREA AROUND DEPARTURE**

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**KZME**                      **MEMPHIS FIR/UIR**

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+++++ FIR/UIR ++++++

**12/023**

AIRSPACE MERIDIAN 2 WEST MOA ACT 8000FT UP TO BUT  
NOT INCLUDING FL180

**12/024**

AIRSPACE MERIDIAN 2 EAST MOA ACT 8000FT UP TO BUT  
NOT INCLUDING FL180

**12/106**

AIRSPACE  
AIRDROP WITHIN AREA DEFINED AS 3NM EITHER SIDE OF A LINE FM  
LIT338033 TO LIT017035 SFC-2500FT DLY 1400-0600

**A0340/22**

ZME TN..ROUTE ZME ZTL.  
V67 CHOO CHOO (GQO) **VORTAC**, TN TO SHELBYVILLE (SYI) **VOR/DME**, TN  
MEA 4400.

**A0276/22**

RDO ALTIMETER UNREL WI MEMPHIS ARTCC AIRSPACE  
SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE  
OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT  
MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED  
EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE  
TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE  
2021-23-13 AND DOMESTIC NOTICE  
F) SFC G) 5000FT

**A0279/22**

V74 MALTS, OK TO FORT SMITH (FSM) **VORTAC**, AR MEA 3100.

**A0039/22**

ROUTE ZME.  
V527 HOT SPRINGS (HOT) **VOR/DME**, AR TO HIDER, AR MEA 4500  
SOUTHEASTBOUND.  
V527 HIDER, AR TO ROVER, AR DISREGARD MOCA 3200.

**A0229/21**

ZME ZHU.  
V194 MC COMB (MCB) **VORTAC**, MS TO MIZZE, MS MEA 3500. V194 MIZZE,  
MS MCA 3500 SOUTHWEST BOUND.

**10/203**

AIRSPACE UAS WI AN AREA DEFINED AS 361534N0940158W (6NM NE ASG) TO 361540N0940309W (5.1NM NE ASG) TO 361315N0940607W (2.4NM NE ASG) TO 361335N0941510W (4.6NM SE XNA) TO 361355N0942000W (3.7NM SSW XNA) TO 361106N0942126W (5.8NM SW XNA) TO 360816N0942129W (7.3NM SE SLG) TO 360812N0943053W (3.1NM SSW SLG) TO 361030N0943220W (2.4NM SW SLG) TO 361036N0944125W (9.3NM WSW SLG) TO 360943N0944125W (9.3NM WSW SLG) TO 360942N0944658W (13.6NM WSW SLG) TO 360338N0945323W (8.8NM NE TQH) TO 355406N0945336W (5.3NM ESE TQH) TO 354850N0945517W (5NM NEN 44M) TO 353821N0945924W (5.1NM SW 44M) TO 353732N0944855W (7.9NM SE 44M) TO 353730N0944414W (8.9NM SW 1PP) TO 353821N0944414W (7.9NM SW 1PP) TO 353822N0942822W (10.8NM SE 1PP) TO 354436N0942926W (7.3NM ESE 1PP) TO 354422N0941351W (20NM E 1PP) TO 354316N0941354W (20NM ESE 1PP) TO 354107N0935720W (11.1NM NW 7M5) TO 354433N0934627W (13.3NM NE 7M5) TO 354614N0934235W (16.3NM NE 7M5) TO 354554N0933422W (18.8NM NE 7M5) TO 355354N0933001W (16.7NM SE H34) TO 355442N0933218W (14.4NM SE H34) TO 355544N0934054W (10.3NM SE H34) TO 355629N0934400W (8.4NM SSE H34) TO 360015N0934447W (4.3NM SSE H34) TO 360236N0934608W (2.3NM SW H34) TO 360653N0934613W (1NM NW H34) TO 361119N0934757W (6NM NNW H34) TO 361353N0935048W (9NM NW H34) TO 361528N0935607W (9.6NM NE ASG) TO 361518N0940113W (6NM NE ASG) TO POINT OF ORIGIN SFC-200FT AGL

**A0159/21**

ROUTE ZME ZFW.

V532 AKINS, OK TO OKMULGEE (OKM) **VOR/DME**, OK MOCA 2300.

**A0141/21**

V18 MAGNOLIA (MHZ) **VORTAC**, MS R-094 TO FANEN INT, MS **DME** REQUIRED EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.

MCB **VOR** R-014 **UNUSABLE**.

**05/328**

AIRSPACE AEROBATIC ACFT WI AN AREA DEFINED AS 1NM

RADIUS OF BNA297025 SFC-3500FT AVOIDANCE ADZ DLY SR-SS

**A0077/21**

ROUTE ZME ZFW.

V397 MONROE (MLU) **VORTAC**, LA TO RUTTS, AR MOCA 1900.

**A0058/21**

V303, V532 BLURB, AR TO BLIMP, AR MEA 4100 NORTHWEST BOUND, 5000 SOUTHEAST BOUND.

PGO **VORTAC** R-076/D54DME USUABLE 5000-17500.

**A0057/21**

V303 HOT SPRINGS (HOT) **VOR/DME**, AR TO BLURB, AR MEA 5000 NORTHWEST BOUND, 3500 SOUTHEAST BOUND.

PGO **VORTAC** R-076/D54DME USUABLE 5000 17500.

**A0056/21**

ROUTE ZME ZTL.

V54 ROCKET (RQZ) **VORTAC**, AL TO CHOO CHOO (GQO) **VORTAC**, TN MEA 4600.

**A0055/21**

ROUTE ZME.

V54 TANNE, AL TO ROCKET (RQZ) **VORTAC**, AL MEA 3000.

**A0054/21**

ROUTE ZME.

V54 MALVE, AR TO LITTLE ROCK (LIT) **VORTAC**, AR MEA 2100.

**01/234**

AIRSPACE UAS WI AN AREA DEFINED AS .6NM RADIUS OF 321816N0905135W (5.2NM NE VKS) SFC-400FT AGL



+++++ RESTRICTED AIRSPACE +++++

12/964

AIRSPACE R3702A ACT SFC-10000FT

12/963

AIRSPACE R3701A ACT SFC-5000FT

12/962

AIRSPACE R3702B ACT 10000FT-FL220

=====  
EXTENDED AREA AROUND DESTINATION  
=====

KZFW FT WORTH FIR/UIR

-----

+++++ FIR/UIR +++++

12/020 VALID: 22-DEC-22 2000 - 22-DEC-22 2130

AIRSPACE TALON HIGH C MOA ACT 12500FT UP TO BUT  
NOT INCLUDING FL180

A0577/22

ZFW SVC SHEPPARD APP CLSD

12/371

AIRSPACE UAS WI AN AREA DEFINED AS 1.5NM RADIUS OF  
334511N0964952W (8NM WNW GYI) SFC-2000FT AGL DLY 1300-2300

2/5042

PART 1 OF 2 TX..AIRSPACE SAN ANGELO, TX..TEMPORARY  
FLIGHT  
RESTRICTIONS.

DECEMBER 18-23, 2022 LOCAL. PURSUANT TO 49 USC 40103(B)(3),  
THE FEDERAL AVIATION ADMINISTRATION (FAA) CLASSIFIES THE AIRSPACE  
DEFINED IN THIS NOTAM AS 'NTL DEFENSE AIRSPACE'. ANY PERSON WHO  
KNOWINGLY OR WILLFULLY VIOLATES THE RULES CONCERNING OPS IN THIS  
AIRSPACE MAY BE SUBJECT TO CERTAIN CRIMINAL PENALTIES UNDER 49 USC  
40103(B)(3). PILOTS WHO DO NOT ADHERE TO THE FOLLOWING PROC MAY  
BE INTERCEPTED, DETAINED AND INTERVIEWED BY LAW  
ENFORCEMENT/SECURITY PERSONNEL.

PURSUANT TO 14 CFR 99.7, SPECIAL SECURITY INSTRUCTIONS, ALL ACFT  
FLT OPS ARE PROHIBITED: WI AN AREA DEFINED AS 5NM RADIUS OF  
311647N1002234W (SJT135007.0) 3500FT MSL-FL180  
EFFECTIVE 2212182100 UTC (1500 LOCAL 12/18/22) UNTIL 2212240500  
UTC (2300 LOCAL 12/23/22).

EXCEPT AS SPECIFIED BELOW AND/OR UNLESS AUTHORIZED  
BY ATC:

2212182100-2212240500

END PART 1 OF 2

PART 2 OF 2 TX..AIRSPACE SAN ANGELO, TX..TEMPORARY  
FLIGHT

1. ALL AIRCRAFT ENTERING OR EXITING THE TFR MUST  
BE ON A DISCRETE CODE ASSIGNED BY AN AIR TRAFFIC  
CONTROL (ATC) FACILITY.

2. AIRCRAFT MUST BE SQUAWKING THE DISCRETE CODE AT  
ALL TIMES WHILE IN THE TFR.

3. ALL AIRCRAFT ENTERING OR EXITING THE TFR MUST  
REMAIN IN TWO-WAY RADIO COMMUNICATIONS WITH ATC.

4. FORT WORTH ARTCC, TELEPHONE 817-858-7503, IS  
THE FAA COORDINATION FACILITY.

2212182100-2212240500

END PART 2 OF 2



**12/327**

OBST WIND TURBINE (ASN UNKNOWN) 314205N1012803W  
(29.8NM N E41) 3144FT (432FT AGL) NOT LGTD

**A0538/22**

ZFW AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
325019N0991906W (ABI042034.9) TO 342343N0963048W (ADM065034.3) TO  
340122N0951627W (PRX010030.1) TO 350718N0950055W (PGO319033.2) TO  
344000N0944617W (PGO260008.1) TO 340309N0933529W (HOT220035.7) TO  
335630N0930831W (HOT181032.3) TO 330005N0915427W (MLU010029.8) TO  
321653N0914034W (MLU125023.1) TO 321652N0921539W (MLU216018.2) TO  
313324N0932001W (SWB231041.8) TO 313440N0941456W (LFG039034.6) TO  
312831N0955955W (LOA348021.1) TO 311232N0964126W (LOA270037.5) TO  
311246N0973113W (ACT197029.9) TO 312345N0974456W (AGJ053023.8) TO  
312255N0992821W (BWD213040.4) TO 305925N1003243W (SJT181023.6) TO  
310214N1005130W (SJT216029.0) TO 324101N1010020W (BGS042030.1) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A0539/22**

ZFW AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
345458N1001634W (CDS351032.8) TO 354943N0982732W (END215040.6) TO  
355429N0975300W (END171026.3) TO 352925N0973452W (IRW003008.0) TO  
352712N0970616W (IRW070025.4) TO 353819N0962512W (OKM255027.2) TO  
355227N0960228W (OKM314013.8) TO 360037N0953629W (TUL134014.2) TO  
353857N0950016W (FSM287039.1) TO 351156N0950020W (PGO324036.7) TO  
353340N0953248W (OKM109017.5) TO 333744N0975336W (UKW321006.7) TO  
330650N0984949W (MQP290048.0) TO 331743N0992257W (ABI016054.6) TO  
334716N0995714W (CDS144038.7) TO 332231N1011203W (LBB108040.8) TO  
310454N1010329W (SJT231035.6) TO 311720N1020838W (MAF166043.3) TO  
313836N1031923W (INK185014.5) TO 315525N1034016W (INK267022.0) TO  
321814N1035247W (CNM069017.8) TO 322755N1035606W (CNM038019.4) TO  
323356N1035450W (CNM028024.4) TO 340210N1030514W (TXO193030.2) TO  
341848N1024851W (TXO162011.0) TO 342706N1023121W (TXO088015.9) TO  
343333N1013615W (PVW007029.9) TO 342820N1004452W (CDS275023.6) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A0529/22**

ZFW TX..ROUTE ZFW.  
V568 MILLSAP (MQP) **VORTAC**, TX TO KARYN, TX MEA 3100  
NORTHWESTBOUND, 3000 SOUTHEASTBOUND.

**A0515/22**

ROUTE ZFW.  
V507 WILL ROGERS (IRW) **VORTAC**, OK TO WAXEY, OK MOCA 3400.

**A0497/22**

V74 MALTS, OK TO FORT SMITH (FSM) **VORTAC**, AR MEA 3100.

**A0491/22**

ROUTE ZFW.  
V16 ABILENE (ABI) **VORTAC**, TX TO ROGEE INT, TX MRA.  
ABI **VORTAC** V16 ROUTE ZFW, V16 ABILENE (ABI) **VORTAC** TX. TO ROGEE  
INT TX. CHANGE MRA FROM 5000 TO 6000..

**A0386/22**

V71 HOT SPRINGS (HOT) **VOR/DME**, AR TO SPARO, AR MEA 5000.





2/4433

PART 1 OF 4 TX..AIRSPACE MCGREGOR, TX..TEMPORARY  
FLIGHT  
RESTRICTIONS.

JULY 18-DECEMBER 31, 2022 LOCAL. PURSUANT TO 49 USC  
40103(B)(3), THE FEDERAL AVIATION ADMINISTRATION (FAA) CLASSIFIES  
THE AIRSPACE DEFINED IN THIS NOTAM AS 'NTL DEFENSE AIRSPACE'.  
PILOTS WHO DO NOT ADHERE TO THE FOLLOWING PROC MAY BE INTERCEPTED,  
DETAINED AND INTERVIEWED BY LAW ENFORCEMENT/SECURITY PERSONNEL.  
ANY OF THE FOLLOWING ADDITIONAL ACTIONS MAY ALSO BE TAKEN AGAINST  
A PILOT WHO DOES NOT COMPLY WITH THE RQMNTS OR ANY SPECIAL  
INSTRUCTIONS OR PROC ANNOUNCED IN THIS NOTAM:

A) THE FAA MAY TAKE ADMINISTRATIVE ACTION, INCLUDING IMPOSING  
CIVIL PENALTIES AND THE SUSPENSION OR REVOCATION OF AIRMEN  
CERTIFICATES; OR

B) THE UNITED STATES GOVERNMENT MAY PURSUE CRIMINAL CHARGES,  
INCLUDING CHARGES UNDER 49 USC SECTION 46307; OR

C) THE UNITED STATES GOVERNMENT MAY USE DEADLY FORCE AGAINST THE  
AIRBORNE ACFT, IF IT IS DETERMINED THAT THE ACFT POSES AN IMMINENT  
SECURITY THREAT.

PURSUANT TO 14 CFR 99.7, SPECIAL SECURITY INSTRUCTIONS, ALL ACFT  
FLT OPS ARE PROHIBITED: WI AN AREA DEFINED AS 2NM RADIUS OF  
2207181340-2212312359

END PART 1 OF 4

PART 2 OF 4 TX..AIRSPACE MCGREGOR, TX..TEMPORARY  
FLIGHT

312359N0972724W (ACT203018.4) SFC-2000FT AGL  
EFFECTIVE 2207181340 UTC (0840 LOCAL 07/18/22) UNTIL 2212312359  
UTC (1859 LOCAL 12/31/22).

EXC AS SPECIFIED BLW AND/OR UNLESS AUTH BY ATC:

1. ALL ACFT ENTERING OR EXITING THE TFR MUST BE ON  
AN ACT IFR OR VFR FLT PLAN WITH A DISCRETE CODE  
ASSIGNED BY AN AIR TFC CTL (ATC) FAC. ACFT MUST BE  
SQUAWKING THE DISCRETE CODE PRIOR TO DEP AND AT  
ALL TIMES WHILE IN THE TFR.

2. ALL ACFT ENTERING OR EXITING THE TFR MUST  
REMAIN IN TWO - WAY RADIO COM WITH ATC.

3. UAS OPS MAY BE AUTH WI THE DEFINED SSI AIRSPACE  
IF IN COMPLIANCE WITH THE RQMNTS LISTED BLW: 1)  
UAS OPS IN DCT SUPPORT OF AN ACT NTL DEFENSE,  
HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING,  
SAR, OR DISASTER RESPONSE MISSION; 2) UAS OPS IN  
2207181340-2212312359

END PART 2 OF 4

PART 3 OF 4 TX..AIRSPACE MCGREGOR, TX..TEMPORARY  
FLIGHT

SUPPORT OF EVENT OPS; 3) COMMERCIAL UAS OPS WITH A  
VALID STATEMENT OF WORK; 4) MUST BE IN POSSESSION  
OF AN APPROVED SPECIAL GOVERNMENTAL INTEREST(SGI)  
AIRSPACE WAIVER; 5) AND COMPLY WITH ALL OTHER  
APPLICABLE FEDERAL AVIATION REGULATIONS.

4. UAS OPR IDENTIFIED IN A.1, A.2 OR A.3 ABV MUST  
APPLY FOR A SGI WAIVER VIA EMAIL AT  
9-ATOR-HQ-SOSC@FAA.GOV.

5. UAS OPR WHO DO NOT COMPLY WITH APPLICABLE  
AIRSPACE RESTRICTIONS ARE WARNED THAT PURSUANT TO  
10 U.S.C.SECTION 130I AND 6 U.S.C.SECTION 124N,  
THE DEPARTMENT OF DEFENSE(DOD), THE DEPARTMENT OF  
HOMELAND SECURITY(DHS) OR THE DEPARTMENT OF  
JUSTICE(DOJ) MAY TAKE SECURITY ACTION THAT RESULTS  
IN THE INTERFERENCE, DISRUPTION, SEIZURE,  
DAMAGING, OR DESTRUCTION OF UNMANNED ACFT DEEMED



TO POSE A CREDIBLE SAFETY OR SECURITY THREAT TO PROTECTED PERSONNEL, FAC, OR ASSETS.

6. THE SYSTEM OPS SUPPORT CENTER (SOSC), IS THE 2207181340-2212312359

END PART 3 OF 4

PART 4 OF 4 TX..AIRSPACE MCGREGOR, TX..TEMPORARY FLIGHT

CDN FAC FOR OPR ACCESS AND IS **AVBL** DLY FM 0600-2359 EASTERN, TEL 202-267-8276 FOR CDN. E. THE FAA RECOMMENDS THAT ALL ACFT OPR CK NOTAMS FREQUENTLY FOR POSSIBLE CHANGES TO THIS TFR PRIOR TO OPS WI THIS REGION.OPR MAY REVIEW THE TFR DETAILS ON THE INTERNET AT [HTTPS://TFR.FAA.GOV/](https://tfr.faa.gov/) OR [HTTPS://WWW.1800WXBRIEF.COM](https://www.1800wxbrief.com). IF QUESTIONS REMAIN, CTC FSS, TEL 800-992-7433. 2207181340-2212312359

END PART 4 OF 4

**06/351**

AIRSPACE UAS WI AN AREA DEFINED AS 17.7NM RADIUS  
OF  
330726.50N0960625.20W (4.0NM NW GVT) SFC-400FT AGL DLY 0000-2359

**A0265/22**

ROUTE ZFW.  
V68 JOKES, TX TO STEEP, TX MOCA 4400.

**A0158/22**

V278 WEEBR, AR TO WARLO, AR MEA 4000.  
V278 WARLO, AR TO HAMPT, AR NA EXCEPT FOR ACFT EQUIPPED WITH  
SUITABLE RNAV SYSTEM WITH GPS.  
TXK **VOR UNUSABLE**.

**03/054**

AIRSPACE UAS WI AN AREA DEFINED AS 8NM RADIUS OF  
322854N0965943W (4NM W JWY) SFC-400FT AGL

**A0028/22**

ROUTE ZFW ZHU.  
V161 LLANO (LLO) **VORTAC**, TO BUILT, MOCA 3400.

**01/148**

AIRSPACE UAS WI AN AREA DEFINED AS 8NM RADIUS OF  
323358N0970729W (6.0NM S GKY) SFC-400FT AGL

**A0423/21**

ROUTE ZFW ZME.  
V532 AKINS, OK TO OKMULGEE (OKM) **VOR/DME**, OK MOCA 2300.

**A0214/21**

ROUTE ZFW ZME.  
V397 MONROE (MLU) **VORTAC**, LA TO RUTTS, AR MOCA 1900.

**9/2934**

TX.. FLIGHT RESTRICTION. DALLAS, TEXAS.  
PURSUANT TO 49 USC 40103(B), THE FEDERAL AVIATION ADMINISTRATION  
(FAA) CLASSIFIES THE AIRSPACE DEFINED IN THIS NOTAM AS 'NATIONAL  
DEFENSE AIRSPACE'. ANY PERSON WHO KNOWINGLY OR WILLFULLY VIOLATES  
THE RULES CONCERNING OPERATIONS IN THIS AIRSPACE MAY BE SUBJECT TO  
CERTAIN CRIMINAL PENALTIES UNDER 49 USC 46307. PILOTS WHO DO NOT  
ADHERE TO THE FOLLOWING PROCEDURES MAY BE INTERCEPTED, DETAINED  
AND INTERVIEWED BY LAW ENFORCEMENT/SECURITY PERSONNEL. PURSUANT  
TO TITLE 14, SECTION 91.141 OF THE CODE OF FEDERAL REGULATIONS,  
AIRCRAFT FLIGHT OPERATIONS ARE PROHIBITED WITHIN THE FOLLOWING  
AREA(S) UNLESS OTHERWISE AUTHORIZED BY ATC  
WITHIN A 1 NMR OF 325321N/0964835W OR THE CVE085004.8 UP TO AND  
INCLUDING 1500 FT AGL EFFECTIVE IMMEDIATELY UNTIL FURTHER NOTICE.

**2/8646**

TX.. DUE TO THE LACK OF TERRAIN AND OBSTACLE  
CLEARANCE DATA, ACCURATE AUTOMATION DATA BASES ARE NOT  
**AVAILABLE** FOR PROVIDING MINIMUM SAFE ALTITUDE WARNING  
INFORMATION TO AIRCRAFT OVERFLYING MEXICO. AIR TRAFFIC  
FACILITIES ALONG THE UNITED STATES/MEXICO BORDER HAVE  
INHIBITED MINIMUM SAFE ALTITUDE WARNING COMPUTER PROGRAMS  
FOR AIRCRAFT OPERATING IN MEXICAN AIRSPACE UNTIL ACCURATE  
TERRAIN DATA CAN BE OBTAINED.



=====  
EXTENDED AREA AROUND DESTINATION ALTERNATE AIRPORT(S)  
=====

KZHU HOUSTON FIR/UIR  
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+++++ FIR/UIR +++++

**12/351 VALID: 23-DEC-22 0000 - 29-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 300848N1022433W  
(11.8NM WNW 6R6) TO 295215N1021907W (11.9NM SSW 6R6) TO  
294710N1020652W (16.4NM SSE 6R6) TO 295903N1020504W (7.7NM ESE  
6R6)  
TO 295906N1020616W (6.8NM ESE 6R6) TO 300219N1020614W (5.7NM E  
6R6)  
TO POINT OF ORIGIN SFC-400FT AGL

**12/352 VALID: 23-DEC-22 0000 - 29-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 300219N1020614W  
(5.7NM E 6R6) TO 295906N1020616W (6.8NM ESE 6R6) TO  
295903N1020504W  
(7.7NM ESE 6R6) TO 294710N1020652W (16.4NM SSE 6R6) TO  
294607N1014555W (28.7NM ESE 6R6) TO 295432N1014539W (25.0NM E 6R6)  
TO POINT OF ORIGIN SFC-400FT AGL

**12/353 VALID: 23-DEC-22 0000 - 29-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 285101N1003439W  
(3.4NM WSW 5T9) TO 284924N1003440W (3.9NM SW 5T9) TO  
284652N1003221W (4.7NM S 5T9) TO 284653N1003048W (4.5NM S 5T9) TO  
284640N1003032W  
(4.8NM S 5T9) TO 284700N1002939W (4.5NM SSE 5T9) TO  
284750N1002813W  
(4.2NM SE 5T9) TO 284750N1002753W (4.4NM SE 5T9) TO  
284609N1002550W  
(6.8NM SE 5T9) TO 284507N1002537W (7.8NM SE 5T9) TO  
284936N1001946W  
(9.9NM E 5T9) TO 285148N1002319W (6.6NM E 5T9) TO 285215N1002510W  
(5.0NM ENE 5T9) TO 285205N1002535W (4.6NM ENE 5T9) TO  
285149N1003246W (1.8NM W 5T9) TO 285220N1003325W (2.5NM WNW 5T9)  
TO  
POINT OF ORIGIN SFC-400FT AGL

**12/354 VALID: 23-DEC-22 0000 - 29-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 284652N1003221W  
(4.7NM S 5T9) TO 284526N1003213W (6.1NM S 5T9) TO 284458N1003059W  
(6.4NM S 5T9) TO 284412N1003031W (7.2NM S 5T9) TO 284434N1002947W  
(6.9NM SSE 5T9) TO 284417N1002945W (7.2NM SSE 5T9) TO  
284417N1002919W (7.2NM SSE 5T9) TO 284405N1002857W (7.5NM SSE 5T9)  
TO 284346N1002839W (7.9NM SSE 5T9) TO 284311N1002835W (8.5NM SSE  
5T9) TO 284313N1002744W (8.6NM SSE 5T9) TO 284336N1002736W (8.3NM  
SSE 5T9) TO 284507N1002537W (7.8NM SE 5T9) TO 284609N1002550W  
(6.8NM SE 5T9) TO 284750N1002753W (4.4NM SE 5T9) TO  
284750N1002813W (4.2NM  
SE 5T9) TO 284700N1002939W (4.5NM SSE 5T9) TO 284640N1003032W  
(4.8NM S 5T9) TO 284653N1003048W (4.5NM S 5T9) TO POINT OF ORIGIN  
SFC-400FT AGL

**12/026 VALID: 22-DEC-22 2031 - 22-DEC-22 2130**

AIRSPACE CRYSTAL NORTH MOA ACT 7000FT UP TO BUT  
NOT INCLUDING FL180

**12/323**

AIRSPACE UAS WI AN AREA DEFINED AS 20NM RADIUS OF  
281053N0995437W (20.9NM S CZT) SFC-600FT AGL DLY 0400-1600

**12/340**

AIRSPACE UAS WI AN AREA DEFINED AS 273714N0982341W  
(19.4NM SE T19) TO 265950N0982513W (20.3NM SW BKS) TO  
270130N0985519W (17.8NM ENE APY) TO 273227N0990718W (18.1NM E LRD)  
TO POINT OF ORIGIN SFC-400FT AGL TUE-SAT 2100-2100

**12/299**

AIRSPACE UAS WI AN AREA DEFINED AS 20NM RADIUS OF  
270438N0981440W (10.2NM SW BKS) SFC-1000FT AGL DLY 0000-2359

**12/259 VALID: 16-DEC-22 0000 - 22-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 300848N1022433W  
(11.8NM WNW 6R6) TO 295215N1021907W (11.9NM SSW 6R6) TO  
294710N1020652W (16.4NM SSE 6R6) TO 295903N1020504W (7.7NM ESE  
6R6)  
TO 295906N1020616W (6.8NM ESE 6R6) TO 300219N1020614W (5.7NM E  
6R6)

TO POINT OF ORIGIN SFC-400FT AGL

**12/260 VALID: 16-DEC-22 0000 - 22-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 300219N1020614W  
(5.7NM E 6R6) TO 295906N1020616W (6.8NM ESE 6R6) TO  
295903N1020504W  
(7.7NM ESE 6R6) TO 294710N1020652W (16.4NM SSE 6R6) TO  
294607N1014555W (28.7NM ESE 6R6) TO 295432N1014539W (25.0NM E 6R6)  
TO POINT OF ORIGIN SFC-400FT AGL

**12/263 VALID: 16-DEC-22 0000 - 22-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 284652N1003221W  
(4.7NM S 5T9) TO 284526N1003213W (6.1NM S 5T9) TO 284458N1003059W  
(6.4NM S 5T9) TO 284412N1003031W (7.2NM S 5T9) TO 284434N1002947W  
(6.9NM SSE 5T9) TO 284417N1002945W (7.2NM SSE 5T9) TO  
284417N1002919W (7.2NM SSE 5T9) TO 284405N1002857W (7.5NM SSE 5T9)  
TO 284346N1002839W (7.9NM SSE 5T9) TO 284311N1002835W (8.5NM SSE  
5T9) TO 284313N1002744W (8.6NM SSE 5T9) TO 284336N1002736W (8.3NM  
SSE 5T9) TO 284507N1002537W (7.8NM SE 5T9) TO 284609N1002550W  
(6.8NM SE 5T9) TO 284750N1002753W (4.4NM SE 5T9) TO  
284750N1002813W (4.2NM  
SE 5T9) TO 284700N1002939W (4.5NM SSE 5T9) TO 284640N1003032W  
(4.8NM S 5T9) TO 284653N1003048W (4.5NM S 5T9) TO POINT OF ORIGIN  
SFC-400FT AGL

**12/261 VALID: 16-DEC-22 0000 - 22-DEC-22 2359**

AIRSPACE UAS WI AN AREA DEFINED AS 285101N1003439W  
(3.4NM WSW 5T9) TO 284924N1003440W (3.9NM SW 5T9) TO  
284652N1003221W (4.7NM S 5T9) TO 284653N1003048W (4.5NM S 5T9) TO  
284640N1003032W  
(4.8NM S 5T9) TO 284700N1002939W (4.5NM SSE 5T9) TO  
284750N1002813W  
(4.2NM SE 5T9) TO 284750N1002753W (4.4NM SE 5T9) TO  
284609N1002550W  
(6.8NM SE 5T9) TO 284507N1002537W (7.8NM SE 5T9) TO  
284936N1001946W  
(9.9NM E 5T9) TO 285148N1002319W (6.6NM E 5T9) TO 285215N1002510W  
(5.0NM ENE 5T9) TO 285205N1002535W (4.6NM ENE 5T9) TO  
285149N1003246W (1.8NM W 5T9) TO 285220N1003325W (2.5NM WNW 5T9)  
TO  
POINT OF ORIGIN SFC-400FT AGL

**12/245**

AIRSPACE UAS WI AN AREA DEFINED AS 272511N0975904W  
(8.2NM SSE IKG) TO 272453N0972732W (19.5NM ESE 07R) TO  
264103N0972759W (7.6NM NNW T05) TO 264058N0980109W (15.5NM NNE  
EBG)  
TO 272505N0975957W (8.1NM SSE IKG) TO POINT OF ORIGIN SFC-1000FT  
AGL DLY 2000-1400

**A1888/22**

ADS-B, AUTO DEPENDENT SURVEILLANCE  
REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B), FLT INFO  
SERVICE BCST (FIS-B) SERVICES MAY NOT BE **AVBL** WI AN AREA DEFINED  
AS 160NM RADIUS OF 261330N0892401W. AIRSPACE AFFECTED MAY INCLUDE  
GULF OF MEXICO AREAS OF SHIP SHOAL SOUTH, SOUTH TIMBALIER SOUTH,  
GRAND ISLE SOUTH, GREEN CANYON, EWING BANK, MISSISSIPPI CANYON,  
ATWATER VALLEY, LLOYD RIDGE, WALKER RIDGE, LUND, LUND SOUTH,  
HENDERSON, FLORIDA PLAIN, AMERY TERRACE.  
F) 1000FT G) UNL

**12/013**

AIRSPACE UAS WI AN AREA DEFINED AS 25NM RADIUS OF  
275250.40N0983448.60W (1.2NM ESE T19) SFC-400FT AGL DLY 0000-2359

**11/499**

AIRSPACE UAS WI AN AREA DEFINED AS 261847N0983333W  
(16.8NM SE 67R) TO 261520N0983521W (17.2NM SE 67R) TO  
261410N0984019W (14.7NM SSE 67R) TO 262102N0984846W (4.7NM SSE  
67R) TO 262056N0985354W (5.2NM SSW 67R) TO 262336N0990213W (10.4NM  
W 67R) TO 262327N0990515W (13NM W 67R) TO 262605N0990711W (14.6NM  
W 67R) TO 263142N0990505W (14.2NM NW 67R) TO POINT OF ORIGIN  
SFC-1200FT DLY 0430-1400

**A1761/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
321642N0921527W (MLU215018.2) TO 321652N0914551W (MLU133019.8) TO  
305013N0921134W (AEX145029.8) TO 303108N0923625W (LCH042034.4) TO  
311159N0934045W (LFK082053.3) TO 313403N0935722W (LFK053046.0) TO  
313327N0931955W (SWB231041.7) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**A1762/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
293229N1011612W (DLF286028.2) TO 294610N1005449W (DLF336025.6) TO  
293032N1002730W (DLF054018.6) TO 290816N1004208W (DLF158013.9) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A1763/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
265143N0991755W (LRD161037.6) TO 270407N0983005W (LRD108054.8) TO  
264927N0970753W (HRL033045.4) TO 260029N0964528W (BRO072033.7) TO  
260029N0965841W (BRO068022.0) TO 255050N0972520W (BRO200005.3) TO  
260234N0974615W (HRL205012.9) TO 260327N0981112W (MFE148007.6) TO  
262430N0990414W (MFE279046.8) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13



**A1764/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
283021N0952551W (PSX100048.7) TO 284835N0961155W (PSX056006.3) TO  
264943N0971116W (HRL030043.8) TO 270548N0983706W (LRD109048.4) TO  
280059N0981921W (THX189030.7) TO 280436N0975845W (THX153027.3) TO  
293217N0971648W (VCT332041.4) TO 305147N0954933W (LOA147017.3) TO  
302122N0933013W (LCH295024.3) TO 300003N0932350W (LCH234017.4) TO  
293019N0934803W (SBI124016.5) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**A1767/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
272900N0993100W (LRD264005.3) TO 274912N0995203W (LRD302031.5) TO  
280121N0991336W (COT183027.0) TO 272029N0990135W (LRD102022.4) TO  
270631N0992738W (LRD177022.3) TO 271843N0993056W (LRD199011.3) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A1766/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS 18.8NM  
RADIUS OF 302049N0930305W (LCH006012.6) SFC-5000FT AGL. HEL OPS  
REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE INSTRUMENT OPS,  
HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND **CAT**  
A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**A1765/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
303736N0914857W (LFT016027.6) TO 301938N0913859W (LFT063019.5) TO  
294932N0913910W (LFT138028.3) TO 294632N0923119W (LLA307010.3) TO  
303007N0922431W (LFT308028.4) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**A1768/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
312856N0955118W (LOA007022.3) TO 313415N0940910W (LFK045037.9) TO  
303325N0942634W (DAS020024.4) TO 304115N0950157W (LFK205032.8) TO  
305901N0950246W (LFK233020.1) TO 310205N0954410W (LOA106013.1) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A1769/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
313855N0901935W (MCB347020.9) TO 313059N0881904W (GCV014026.6) TO  
313102N0874936W (MVC274024.5) TO 311653N0872417W (MVC190011.0) TO  
305647N0873949W (BFM041028.5) TO 304129N0874304W (BFM071018.1) TO  
303711N0875442W (BFM083007.4) TO 301302N0880127W (BFM172023.8) TO  
295729N0880118W (BFM173039.3) TO 300331N0885945W (GPT167021.3) TO  
290617N0885913W (LEV092058.7) TO 283437N0903003W (LEV208041.5) TO  
294509N0912745W (TBD277033.4) TO 312814N0920008W (AEX060028.6) TO  
315547N0915157W (HEZ300034.4) TO 315424N0911651W (HEZ000017.3) TO  
POINT OF ORIGIN SFC-5000FT AGL. HEL OPS REQUIRING RDO ALTIMETER  
DATA TO INCLUDE OFFSHORE INSTRUMENT OPS, HOVER AUTOPILOT MODES,  
SAR AUTOPILOT MODES, AND **CAT** A/B/PERFORMANCE CLASS TKOF AND LDG  
NOT AUTHORIZED EXC FOR ACFT USING APPROVED ALTERNATIVE METHODS OF  
COMPLIANCE DUE TO 5G C-BAND INTERFERENCE PLUS SEE AIRWORTHINESS  
DIRECTIVE 2021-23-13

**A1770/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
311704N1020856W (MAF166043.6) TO 305920N1003338W (SJT183023.8) TO  
310838N1000649W (SJT118022.4) TO 301247N1002004W (RSG341012.1) TO  
303855N1021930W (FST107038.2) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**A1771/22**

ZHU AIRSPACE RDO ALTIMETER UNREL WI AN AREA DEFINED AS  
300105N0994438W (CSI274028.1) TO 312303N0984149W (AGJ288030.9) TO  
312347N0974452W (AGJ053023.9) TO 311219N0973126W (ACT197030.4) TO  
311246N0963917W (LOA271035.7) TO 311516N0963309W (LOA277031.0) TO  
305158N0954943W (LOA147017.1) TO 292853N0972032W (VCT325039.7) TO  
282553N0975425W (THX101013.6) TO 275757N0994210W (LRD324032.9) TO  
291539N1001037W (DLF094031.7) TO POINT OF ORIGIN SFC-5000FT AGL.  
HEL OPS REQUIRING RDO ALTIMETER DATA TO INCLUDE OFFSHORE  
INSTRUMENT OPS, HOVER AUTOPILOT MODES, SAR AUTOPILOT MODES, AND  
**CAT** A/B/PERFORMANCE CLASS TKOF AND LDG NOT AUTHORIZED EXC FOR ACFT  
USING APPROVED ALTERNATIVE METHODS OF COMPLIANCE DUE TO 5G C-BAND  
INTERFERENCE PLUS SEE AIRWORTHINESS DIRECTIVE 2021-23-13

**11/529**

AIRSPACE UAS WI AN AREA DEFINED AS 261847N0983333W  
(16.8NM SE 67R) TO 261520N0983521W (17.2NM SE 67R) TO  
261410N0984019W (14.7NM SSE 67R) TO 262102N0984846W (4.7NM SSE  
67R) TO 262056N0985354W (5.2NM SSW 67R) TO 262336N0990213W (10.4NM  
W 67R) TO 262327N0990515W (13NM W 67R) TO 262605N0990711W (14.6NM  
W 67R) TO 263142N0990505W (14.2NM NW 67R) TO POINT OF ORIGIN  
SFC-1200FT DLY 0430-1330

**11/573**

AIRSPACE UAS WI AN AREA DEFINED AS 5NM EITHER SIDE  
OF A LINE FM 273212N0971441W (18.4NM SSW RAS) TO 271745N0972134W  
(28.2NM SE 07R) TO 270247N0972343W (29.2NM N T05) TO  
264821N0972149W (15.2NM NNE T05) TO 263001N0971556W (10.0NM ESE  
T05) SFC-400FT AGL  
DLY 0000-2359

**11/574**

AIRSPACE UAS WI AN AREA DEFINED AS 8.5NM EITHER  
SIDE OF A LINE FM 280549N0971720W (11.7NM NNW TFP) TO  
280620N0975619W  
(17.3NM SSW BEA) SFC-400FT AGL DLY 0000-2359



**11/575**

AIRSPACE UAS WI AN AREA DEFINED AS 10NM EITHER  
SIDE  
OF A LINE FM 282433N0971800W (6.9NM N RFG) TO 282416N0981104W  
(4.4NM WNW 8T6) SFC-400FT AGL DLY 0000-2359

**2/6980**

PART 1 OF 2 TX..AIRSPACE BROWNSVILLE,  
TX..TEMPORARY  
FLIGHT  
RESTRICTIONS.

PURSUANT TO 14 CFR SECTION 91.143, SPACE OPERATIONS AREA.  
ACFT OPS ARE PROHIBITED WI AN AREA DEFINED AS 2NM RADIUS OF  
255948N0970916W (BRO061012.7) SFC-10000FT  
EFFECTIVE 2212010000 UTC (1800 LOCAL 11/30/22) UNTIL 2302282359  
UTC (1759 LOCAL 02/28/23). EXC AS SPECIFIED BLW AND/OR UNLESS  
AUTH BY ATC: A. ACFT SUPPORTING SPACE OPS.

B. ALL AIRCRAFT ENTERING OR  
EXITING THE TFR MUST BE ON A DISCRETE CODE ASSIGNED BY AN AIR  
TRAFFIC CONTROL (ATC) FACILITY.

C. AIRCRAFT MUST BE SQUAWKING THE  
DISCRETE CODE AT ALL TIMES WHILE IN THE TFR.

D. ALL AIRCRAFT  
ENTERING OR EXITING THE TFR MUST REMAIN IN TWO-WAY RADIO  
COMMUNICATIONS WITH ATC.

E. UAS OPS MAY BE AUTH WI THE DEFINED  
AIRSPACE IF IN COMPLIANCE WITH THE REQUIREMENTS LISTED BLW:

1) UAS OPS IN DCT SUPPORT OF AN ACT NATIONAL DEFENSE, HOMELAND  
SECURITY, LAW ENFORCEMENT, FIREFIGHTING, SAR, OR DISASTER RESPONSE  
2212010000-2302282359

END PART 1 OF 2

PART 2 OF 2 TX..AIRSPACE BROWNSVILLE,  
TX..TEMPORARY  
FLIGHT  
MISSION;

2) UAS OPS IN SUPPORT OF EVENT OPS;

3) COMMERCIAL UAS OPS WITH A VALID STATEMENT OF WORK;

4) MUST BE IN POSSESSION OF AN APPROVED SPECIAL GOVERNMENTAL  
INTEREST (SGI) AIRSPACE WAIVER;

5) AND COMPLY WITH ALL OTHER APPLICABLE FEDERAL AVIATION  
REGULATIONS.

6) UAS OPR IDENTIFIED IN A.1, A.2 OR A.3 ABV MUST APPLY FOR A SGI  
WAIVER VIA EMAIL AT 9-ATOR-HQ-SOSC@FAA.GOV. PILOTS MUST CONSULT  
ALL NOTAMS REGARDING THIS OPS AND MAY CONTACT ZHU FOR CURRENT  
AIRSPACE STATUS.

THE HOUSTON /ZHU/ ARTCC, TEL 281-230-5560, IS THE CDN FAC.  
2212010000-2302282359

END PART 2 OF 2

**A1791/22**

ZHU TX..LA..MS..AL..ROUTE NOTICE..GULF OF MEXICO  
(GOM) RNAV AND ATLANTIC ROUTE (AR) PUBLISHED CO-DESIGNATION ON  
ENRC H-7, H-8, AND H-9. GOM RNAV ROUTE Q100 AND Q102 ARE  
CO-DESIGNATED Y280 AND Y290 RESPECTIVELY. ADDITIONALLY, MULTIPLE  
ATLANTIC ROUTES ARE CO-DESIGNATED Y ROUTE, EXAMPLE AR3/Y307. UNTIL  
FURTHER NOTICE AND CMPL OF THE TRANSITION OF THE U.S. EAST COAST  
PERFORMANCE BASED NAVIGATION (PBN) ROUTE STRUCTURE, OPR ARE TO  
FOLLOW THE PUBLISHED GUIDANCE APPLICABLE TO THE ROUTE INDICATED IN  
THEIR FLT PLN. FOR EXAMPLE, OPR FILING TO FLY Q100 ARE TO FOLLOW  
THE GULF Q ROUTE GUIDANCE PROVIDED IN THE U.S. AERONAUTICAL  
INFORMATION PUBLICATION (AIP) SECTION ENR 7.14. OPR FILING TO FLY  
Y280 ARE TO FOLLOW THE GUIDANCE APPLICABLE TO ALL Y ROUTE FOUND IN  
SECTION ENR 7.10 OF THE U.S. AIP. SAME POLICY APPLIES TO  
CO-DESIGNATED ATLANTIC ROUTE AND Y ROUTE. OPR CAN FIND ATLANTIC  
ROUTE GUIDANCE IN SECTION ENR 7.11 OF THE U.S. AIP. FOR AN OPR TO  
FILE A FLT PLN INDICATING ANY Y ROUTE THEIR ACFT MUST MEET THE  
EQPT AND PERFORMANCE RQMNTS FOR Y ROUTE CONTAINED IN SECTION ENR  
7.10 OF THE U.S. AIP. PLEASE DIRECT ANY QUESTIONS TO THE FLIGHT  
TECHNOLOGIES AND PROCEDURES DIVISION AT  
9-AWA-AVS-AFS-400-FLIGHT-TECHNOLOGIES-PROCEDURES-DIVISION@FAA.GOV.

**11/201**

AIRSPACE UAS WI AN AREA DEFINED AS 5NM EITHER SIDE  
OF A LINE FM 274150N0994348W (17NM WNW LRD) TO 273920N0993904W  
(12.1NM WNW LRD) TO 273827N0993422W (8.3NM NW LRD) TO  
273725N0993305W (6.7NM NW LRD) TO 273929N0992812W (6.8NM N LRD) TO  
273921N0992527W (7NM NNE LRD) TO 275405N0992341W (21.7NM N LRD) TO  
275517N0992452W (22.7NM N LRD) TO 274313N0990532W (22.3NM ENE LRD)  
TO 275515N0991127W (26.7NM NNE LRD) TO 280136N0993111W (29NM N  
LRD) TO 280136N0992303W (27.2NM SSW COT) TO 275405N0992341W  
(21.7NM N LRD) TO 273921N0992527W (7NM NNE LRD) TO 273929N0992812W  
(6.8NM N LRD) TO 275517N0992452W (22.7NM N LRD) TO 275515N0991127W  
(26.7NM NNE LRD) TO 274313N0990532W (22.3NM ENE LRD) TO  
273930N0993355W (8.8NM NW LRD) TO 273437N0992949W (2.7NM NW LRD)  
TO 273046N0993014W (2.9NM SW LRD) SFC-400FT AGL

**11/210**

AIRSPACE UAS WI AN AREA DEFINED AS 5NM EITHER SIDE  
OF A LINE FM 273900N0993500W (9.1NM NW LRD) TO 280000N0995200W  
(31.3NM  
S CZT) SFC-400FT AGL DLY 0000-2359

**09/547**

AIRSPACE UAS WI AN AREA DEFINED AS 5NM EITHER SIDE  
OF A LINE FM 274150.80N0994348.70W (17.0NM WNW LRD) TO  
273920.30N0993904.60W (12.1NM WNW LRD) TO 273827.20N0993422.90W  
(8.3NM NW LRD) TO 273725.20N0993305.10W (6.7NM NW LRD) TO  
273929.90N0992812.20W (6.8NM N LRD) TO 273921N0992527.80W (7.0NM  
NNE LRD) TO 275405.40N0992341.70W (21.7NM N LRD) TO  
275517.90N0992452.10W (22.7NM N LRD) TO 274313.80N0990532.70W  
(22.3NM ENE LRD) TO 275515N0991127.60W (26.7NM NNE LRD) TO  
280136.20N0993111.50W (29.0NM N LRD) TO 280136.20N0992303.90W  
(27.2NM SSW COT) TO 275405.40N0992341.70W (21.7NM N LRD) TO  
273921N0992527.80W (7.0NM NNE LRD) TO 273929.90N0992812.20W (6.8NM  
N LRD) TO 275517.90N0992452.10W (22.7NM N LRD) TO  
275515N0991127.60W  
(26.7NM NNE LRD) TO 274313.80N0990532.70W (22.3NM ENE LRD) TO  
273930.70N0993355.40W (8.8NM NW LRD) TO 273437.30N0992949.90W  
(2.7NM NW LRD) TO 273046.40N0993014.60W (2.9NM SW LRD) SFC-400FT  
AGL DLY  
0000-2359

**09/175**

OBST MOORED BALLOON WI AN AREA DEFINED AS 1NM  
RADIUS OF LRD160035 3374FT (3000FT AGL) LGTD AND FLAGGED

**A1391/22**

ROUTE ZHU.

A770 LEEVILLE (LEV) **VORTAC**, LA R-175 TO ALGAE, OG NA FROM 40 NM TO  
ALGAE EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.  
LEV **VORTAC** R-175 **UNUSABLE** BEYOND 40 NM.

**08/564**

AIRSPACE UAS WI AN AREA DEFINED AS 1.5NM RADIUS OF  
LEV066032.1 (38.2NM E GAO) SFC-400FT AGL

**08/547**

OBST MOORED BALLOON WI AN AREA DEFINED AS 1NM  
RADIUS OF MFE281030 3000FT (2841FT AGL) FLAGGED AND LGTD

**08/342**

OBST MOORED BALLOON WI AN AREA DEFINED AS A 1 NM  
RADIUS OF 285755N1003812W (8.3NM NW 5T9) 3000FT (2200FT AGL)  
FLAGGED AND LGTD

**08/035**

AIRSPACE PJE WI AN AREA DEFINED AS 5NM RADIUS OF  
SAT070037 (6.2M NW T91) SFC-15000FT DLY SR-SS

**A1056/22**

TX..LA..MS..AL..FL..SPECIAL NOTICE..GULF OF MEXICO  
FLTS ENTERING HOUSTON OCEANIC CTA/FIR MUST FILE VIA PUBLISHED AWYS  
UNLESS AUTH BY ATC. EXC: FLTS TRANSITING BTN HOUSTON OCEANIC  
CTA/FIR AND MIAMI OCEANIC CTA/FIR MUST NOT FILE VIA L465 NORTH OF  
MINOW UNLESS AUTH BY ATC HOUSTON /ZHU/ ARTCC TRAFFIC MANAGEMENT  
UNIT IS THE FAA CDN FAC, TEL 281-230-5590.

**A1053/22**

V70 BROWNSVILLE (BRO) **VORTAC**, TX TO JIMIE, TX NA.

**A0682/22**

V17 HARLINGEN (HRL) **VOR/DME**, TX R-259 TO MC ALLEN (MFE) **VOR/DME**,  
TX R-075 MEA 2600.

**A0211/22**

ROUTE ZHU.

V161 LEMIG, TX TO CENTER POINT (CSI) **VORTAC**, TX MEA 4100.

**A0089/22**

ROUTE ZHU ZFW.

V161 LLANO (LLO) **VORTAC**, TO BUILT, MOCA 3400.

**A0074/22**

ROUTE ZHU.

V70 RAYMO, TX TO JIMIE, TX MOCA 1700.

**A2611/21**

ZHU ZME.

V194 MC COMB (MCB) **VORTAC**, MS TO MIZZE, MS MEA 3500. V194 MIZZE,  
MS MCA 3500 SOUTHWEST BOUND.

**A1303/21**

ROUTE ZHU.

V583 COLLEGE STATION (CLL) **VORTAC**, TX TO LEONA (LOA) **VORTAC**, TX  
MEA 4000.

CLL **VOR** R-029 **UNUSABLE** BELOW 4000.

**A1267/21**

ROUTE ZHU.

V568 SAN ANTONIO (SAT) **VORTAC**, TX TO GUADA, TX MOCA 2900.

**A1266/21**

ROUTE ZHU.

V568 CORPUS CHRISTI (CRP) **VORTAC**, TX TO THREE RIVERS (THX) **VORTAC**,  
TX MEA 1900.

**A1124/21**

V550 MILET, TX TO LEMIG, TX MEA 2600.

**A0954/21**

ROUTE ZHU.

V554 NATCHEZ (HEZ) **VOR/DME**, MS TO TULLO, LA MOCA 1900.**A0881/21**

V17 MILET, TX TO SOMER, TX MOCA 2600.

**A1234/14**

SPECIAL NOTICE..AIRCRAFT DESTINED THE HOUSTON  
TERMINAL AREA THAT FILE AN RNAV OPTIMIZED PROFILE DESCENT (OPD)  
STAR MUST BE ABLE TO MEET THE VERTICAL PROFILE AND SPEED  
RESTRICTIONS PUBLISHED ON THE PROCEDURE. IF UNABLE, FILE THE  
APPROPRIATE CONVENTIONAL NAVIGATION STAR.

**A0432/02**

ZHU TX.. DUE TO THE LACK OF TERRAIN AND OBSTACLE  
CLEARANCE DATA, ACCURATE AUTOMATION DATA BASES ARE NOT  
**AVAILABLE** FOR PROVIDING MINIMUM SAFE ALTITUDE WARNING  
INFORMATION TO AIRCRAFT OVERFLYING MEXICO. AIR TRAFFIC  
FACILITIES ALONG THE UNITED STATES/MEXICO BORDER HAVE  
INHIBITED MINIMUM SAFE ALTITUDE WARNING COMPUTER PROGRAMS  
FOR AIRCRAFT OPERATING IN MEXICAN AIRSPACE UNTIL ACCURATE  
TERRAIN DATA CAN BE OBTAINED.

+++++ RESTRICTED AIRSPACE +++++

**12/976 VALID: 22-DEC-22 1430 - 22-DEC-22 2359**

AIRSPACE AR614 ACT FL250-FL270

**12/963 VALID: 22-DEC-22 1201 - 22-DEC-22 2359**

AIRSPACE R6302B ACT 5000FT-11000FT

**12/925**

AIRSPACE R4401B ACT 4000FT-9999FT

**12/923**

AIRSPACE R4401A ACT SFC-3999FT

**12/922**AIRSPACE R4401C ACT 10000FT UP TO BUT NOT  
INCLUDING FL180**12/126**AIRSPACE R4401D ACT FL180 UP TO BUT NOT INCLUDING  
FL230**12/125**AIRSPACE R3803A ACT SFC UP TO BUT NOT INCLUDING  
FL180**12/124**

AIRSPACE R4401E ACT FL230-FL290

**12/123**AIRSPACE R3803D ACT SFC UP TO BUT NOT INCLUDING  
FL180**12/121**AIRSPACE R3803C ACT SFC UP TO BUT NOT INCLUDING  
FL180**12/120**

AIRSPACE R3804B ACT SFC-9999FT

**12/119**

AIRSPACE R3804A ACT SFC-FL180



+++++ ROUTE +++++

**A0096/16**

QANXX FLIGHT OPERATIONS IN THE GULF OF MEXICO FLIGHT INFORMATION REGION (FIR), INCLUDING ZHU, ZMA, MID AND MTY, OPERATORS ARE EXPECTED TO OBTAIN RNP 10 OR RNP 4 AUTHORIZATION. NON-RNOP 10 AIRCRAFT WILL BE ACCOMMODATED UNDER THE FOLLOWING CONDITIONS: (1) RMK/NONRNP10 SHALL BE INSERTED FIRST IN THE REMARKS (RMK) SECTION UNDER ITEM 18 OF YOUR ICAO FLIGHT PLAN, (2) THE PILOT MUST STATE "NEGATIVE RNP TEN" DURING INITIAL COMMUNICATION WITH ZHU, ZMA, MID AND MTY AREA CONTROL CENTERS.  
F) 4000FT G) FL450

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**AREA ENROUTE DEPARTURE - DESTINATION**  
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**KZFW FT WORTH FIR/UIR**  
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Please see section EXTENDED AREA AROUND DESTINATION



[ Company NOTAM ]

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CREW ALERT

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**SB007/14**

SUBJECT: AUTO COST INDEXES

WHEN PLANNING A COST INDEX, 2 OPTIONS ARE AVAILABLE. PILOTS MAY EITHER SELECT A SPECIFIC COST INDEX NUMBER FROM THE LIST, OR THEY MAY SELECT "AUTO". WHEN PLANNING AN "AUTO" COST INDEX, THE SYSTEM WILL REFERENCE THE SCHEDULED "TIME ENROUTE" OPTION AND ATTEMPT TO CHOOSE A COST INDEX WHICH CLOSELY MATCHES THIS VALUE. NOTE THAT THE "TIME ENROUTE" OPTION IS MEANT AS A GATE TO GATE TIME (AS INDICATED ON AN AIRLINE'S FLIGHT SCHEDULE, FOR EXAMPLE). IF A "TIME ENROUTE" OF 2:30 IS SELECTED, THE SYSTEM WILL SUBTRACT THE TAXI TIMES FROM THIS VALUE TO DETERMINE THE SCHEDULED AIR TIME. IT WILL THEN DETERMINE AND USE THE COST INDEX WHICH MATCHES THIS AIR TIME.

**SB003/13**

SUBJECT: FLIGHT RELEASE UNITS

ALL FLIGHT CREW: PLEASE PAY SPECIAL ATTENTION TO THE UNITS SELECTION WHEN GENERATING A FLIGHT PLAN. FAILURE TO IDENTIFY THE CORRECT UNITS WHEN REFUELING PRIOR TO FLIGHT CAN RESULT IN DEPARTING WITH INSUFFICIENT FUEL AND/OR AN ERRONEOUS PAYLOAD.

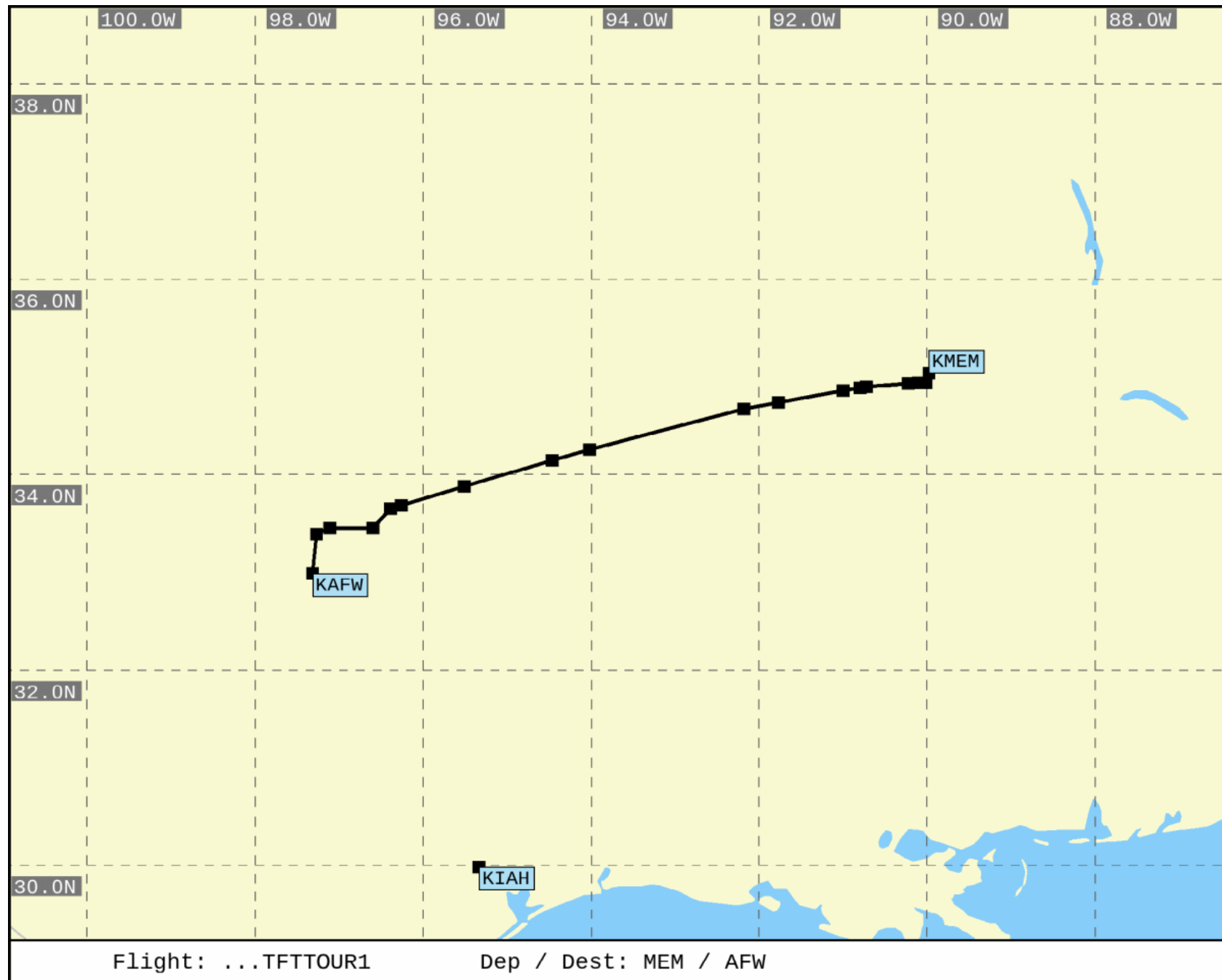
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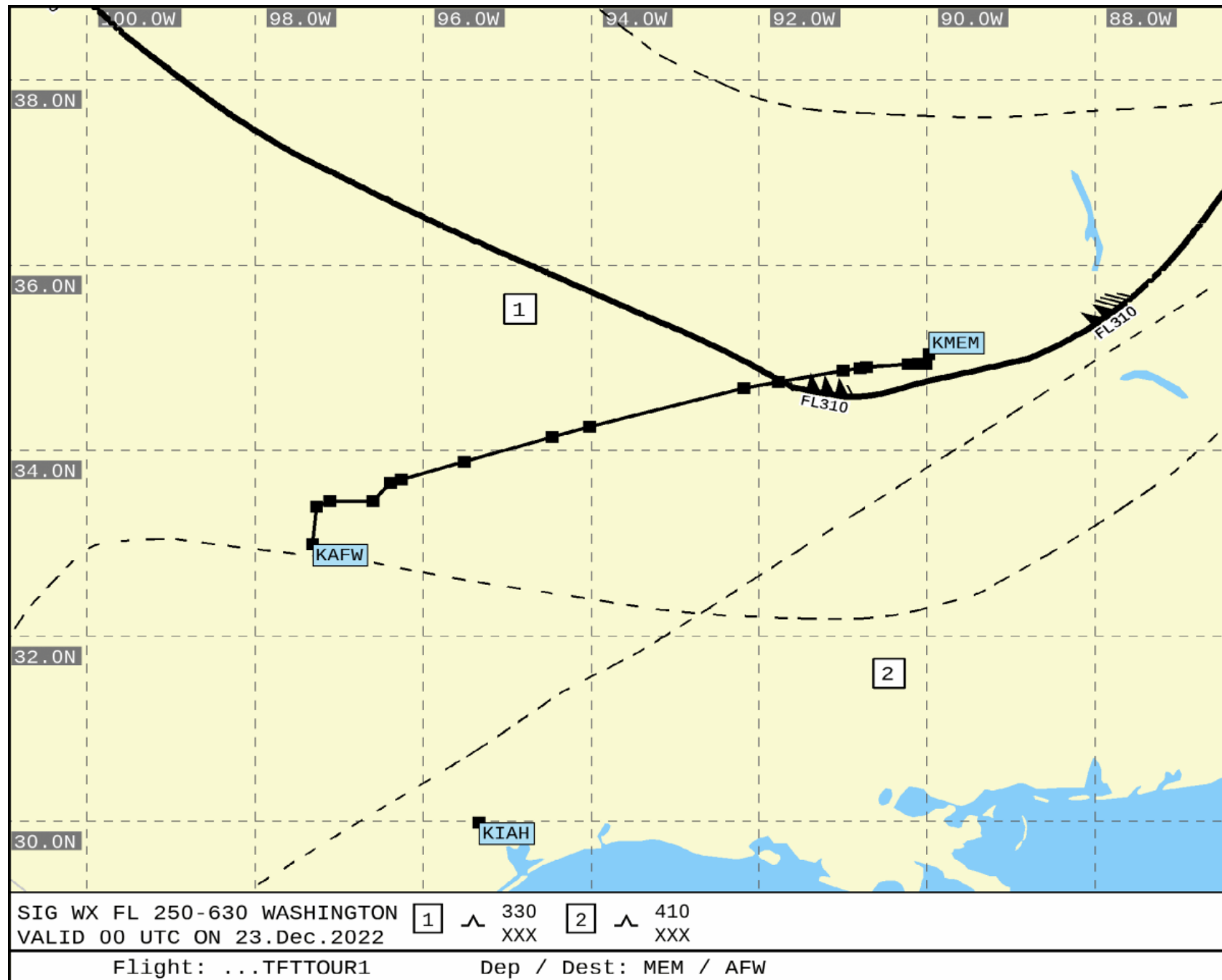
CREW BULLETIN

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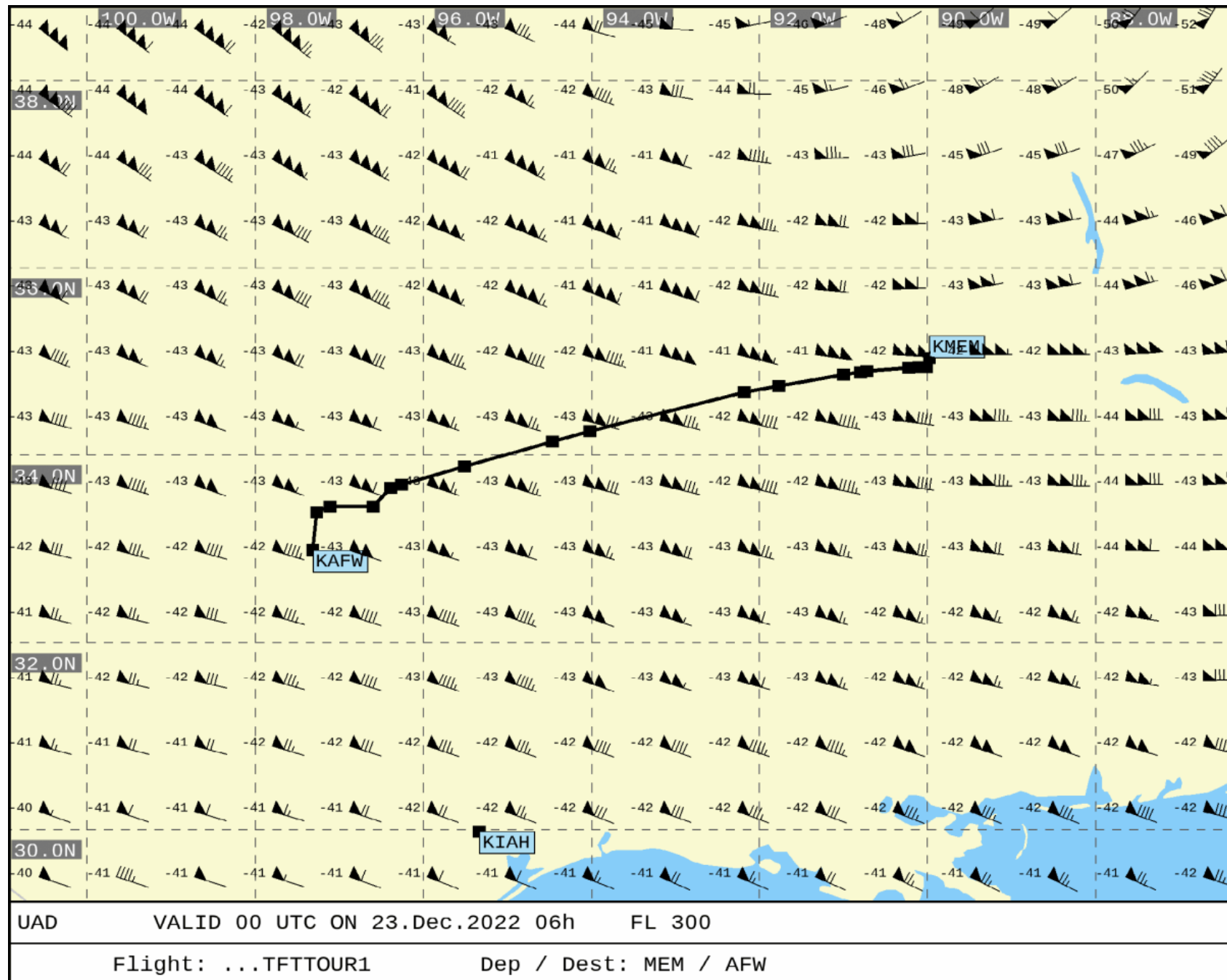
NIL

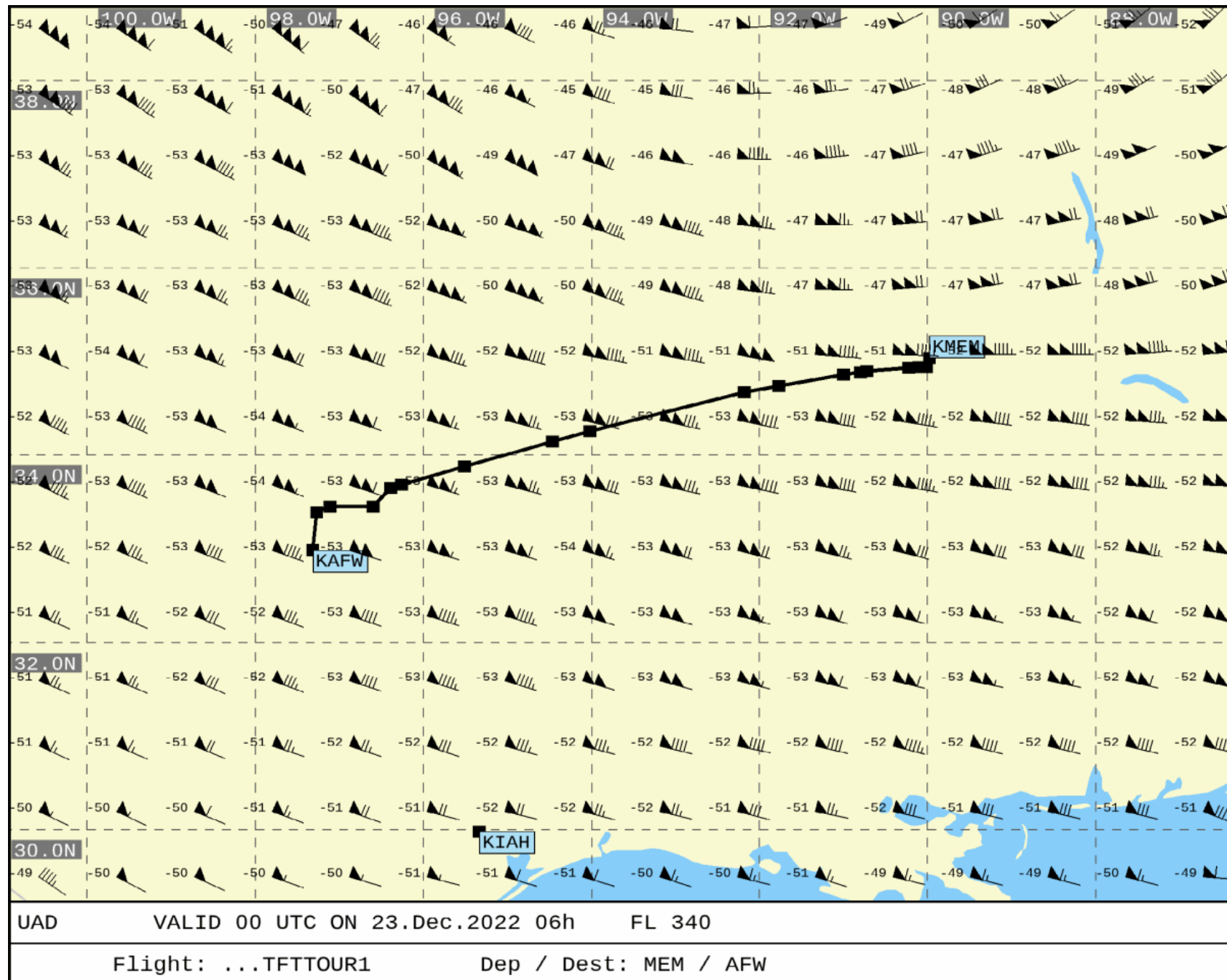
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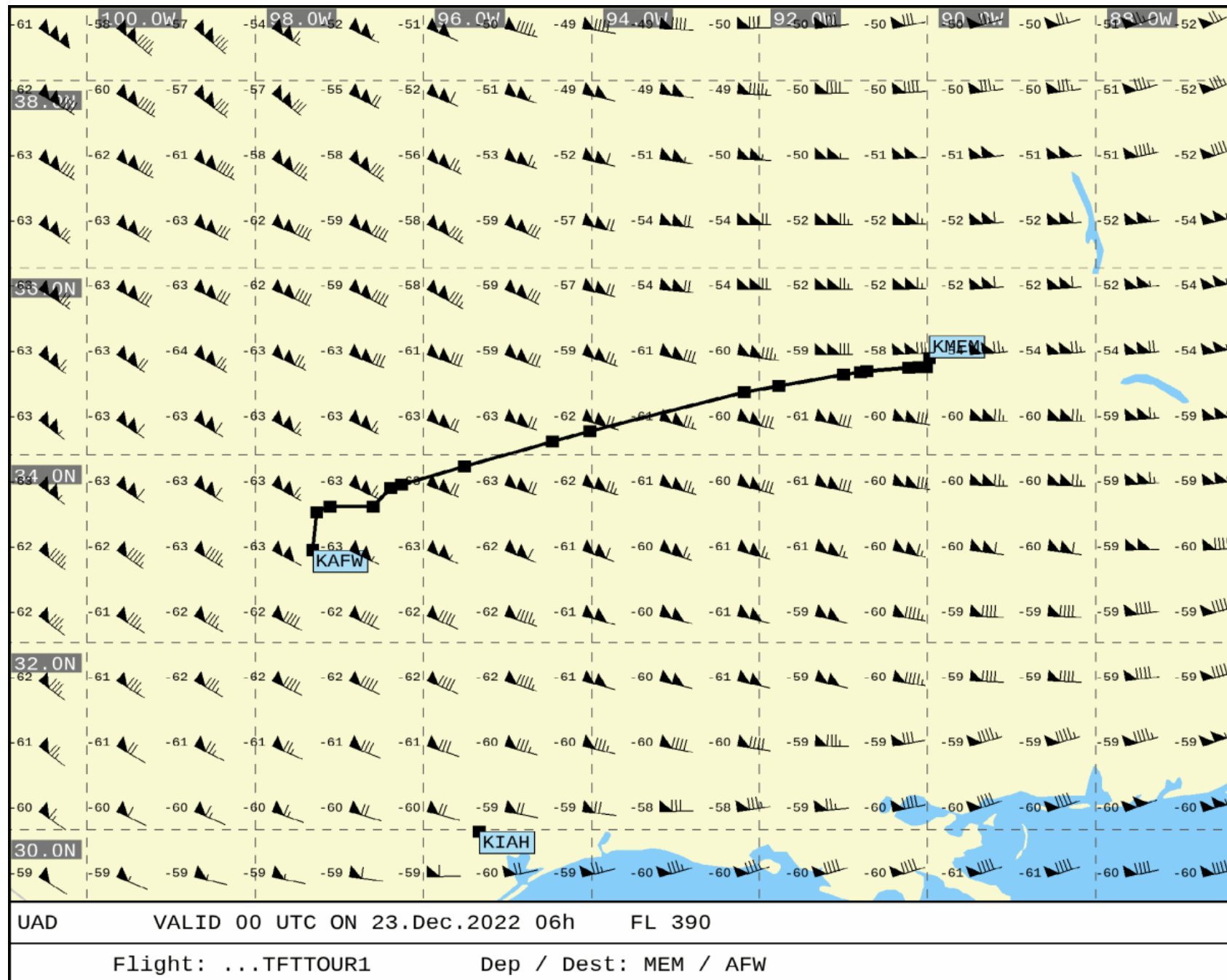


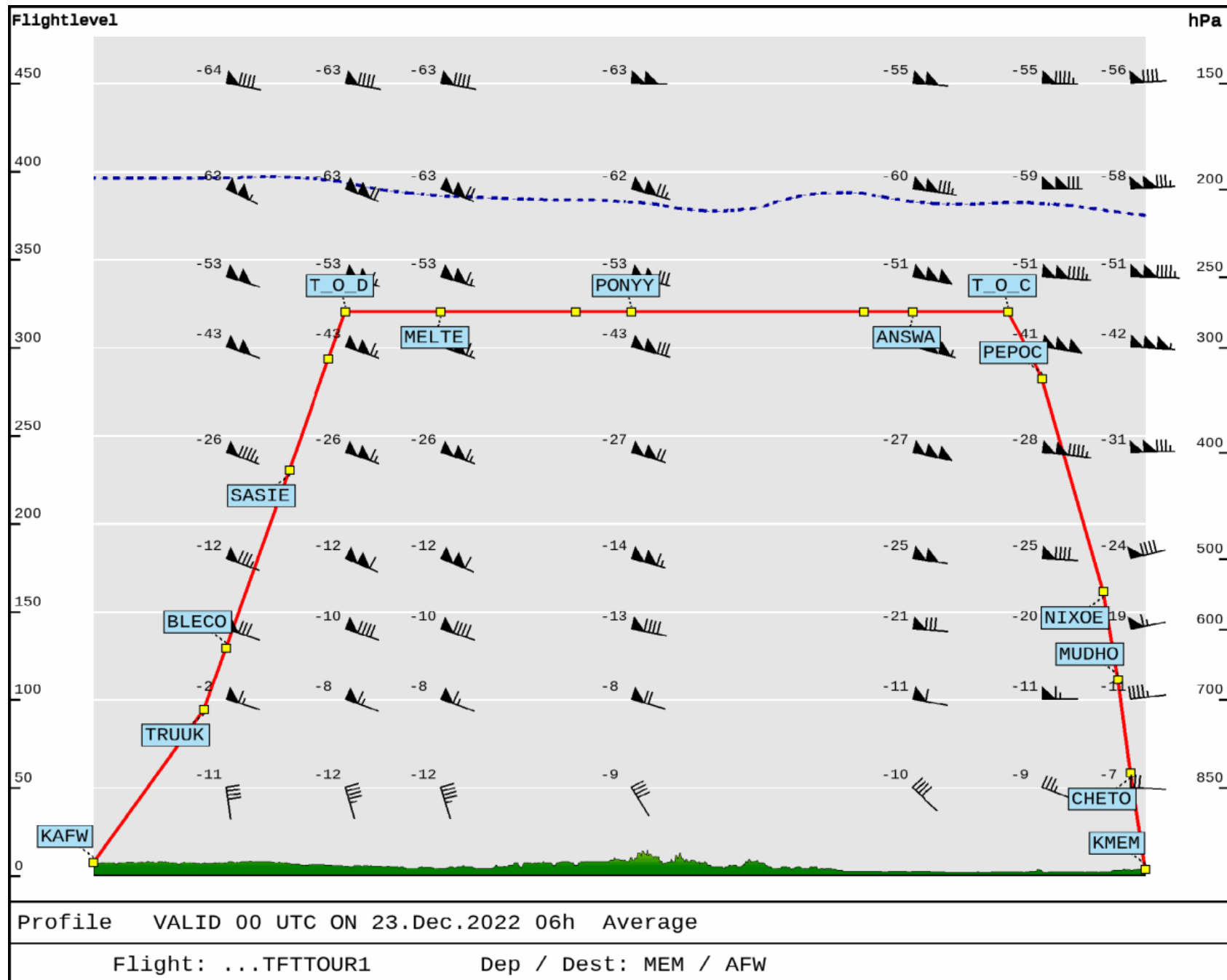














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