

# NZAA

Auckland Intl

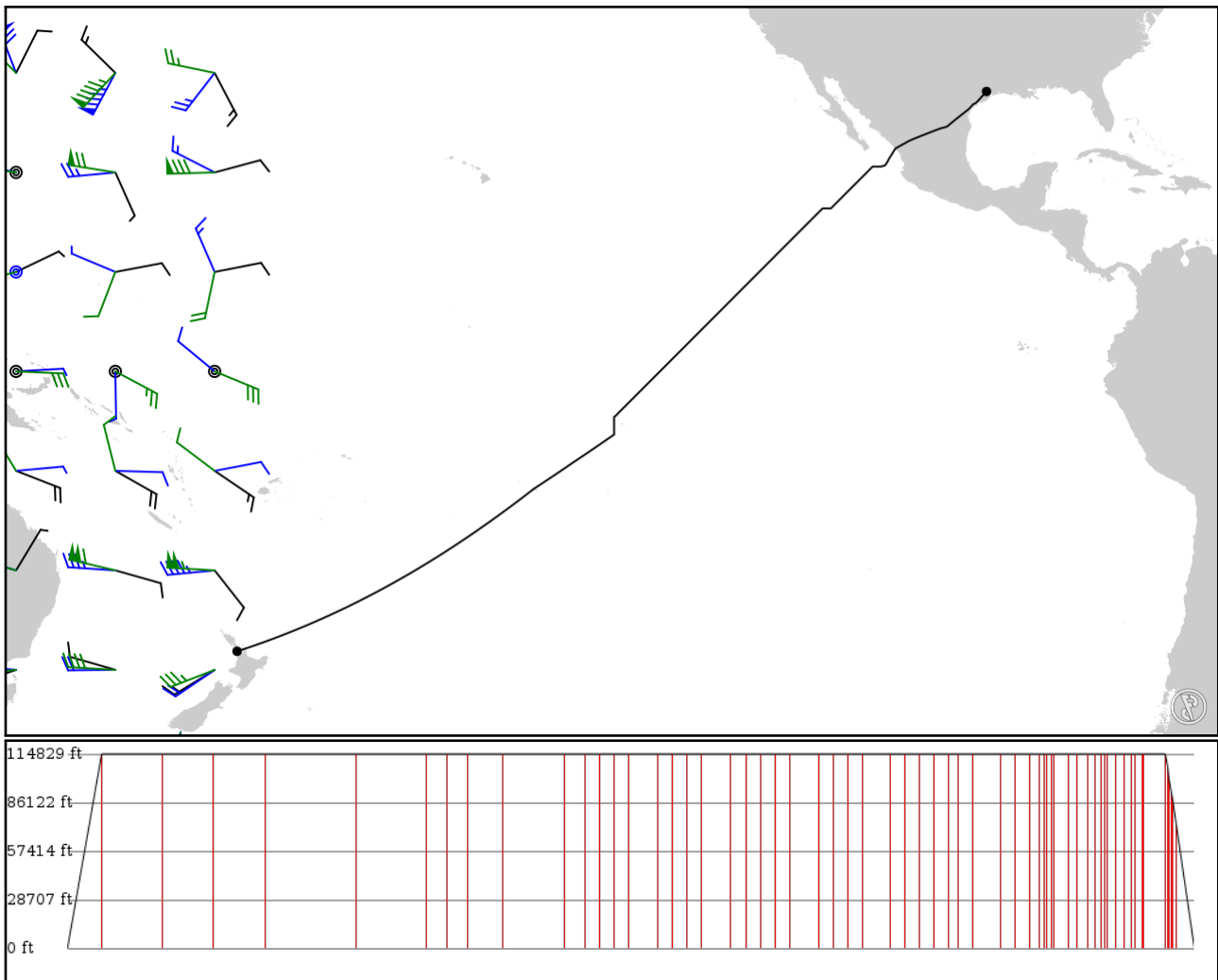
# KIAH

George Bush Intercontinental

2024/05/02 0937Z

NZAA AA **G599** TAF **G594** TAMUR -900S-14000W -800S-13900W -700S-13800W -600S-13700W -400S-13500W  
-300S-13400W -200S-13300W -100S-13200W 100N-13000W 200N-12900W 300N-12800W 400N-12700W  
500N-12600W 700N-12400W 800N-12300W 900N-12200W 1000N-12100W 1200N-11900W 1300N-11800W  
1400N-11700W 1500N-11600W 1600N-11500W 1600N-11400W 1700N-11300W 1900N-11100W 2000N-11000W  
2100N-10900W 2100N-10800W AXOKA UD GAL ROBSO 2200N-10700W MZT **J29** CRP **V13** TANNA KIAH

6557.40 nm / 12144.30 km



## Notes

Basic altitude profile:

- Ascent Rate: 2500ft/min
- Ascent Speed: 250kts
- Cruise Altitude: 35000ft
- Cruise Speed: 420kts
- Descent Rate: 1500ft/min
- Descent Speed: 250kts

Options:

- Use NATs: yes
- Use PACOTS: yes
- Use low airways: yes
- Use high airways: yes

## Route

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
NZAA	-	-37.00810	0 ft	-	Auckland Intl
APT	-	174.79200	0 m		
AA	-	-37.00460	300 ft	1	AUCKLAND
VOR	-	174.81400	91 m		
OLBEX	G599	-35.69340	35,000 ft	199	-
FIX	AWY-HI	178.60700	10,668 m		
IGETO	G599	-33.09220	35,000 ft	353	-
FIX	AWY-HI	-175.00000	10,668 m		
MUKLU	G599	-30.70390	35,000 ft	292	-
FIX	AWY-HI	-170.00000	10,668 m		
EMRAD	G599	-27.98970	35,000 ft	308	-
FIX	AWY-HI	-165.00000	10,668 m		
SOSPI	G599	-22.95180	35,000 ft	528	-
FIX	AWY-HI	-157.00000	10,668 m		
TEKOT	G599	-18.80500	35,000 ft	407	-
FIX	AWY-HI	-151.23900	10,668 m		
TAF	G599	-17.54710	35,000 ft	120	TAHITI
VOR	AWY-HI	-149.60200	10,668 m		
PAERE	G594	-16.41640	35,000 ft	120	-
FIX	AWY-HI	-147.87700	10,668 m		
TOLAB	G594	-14.46670	35,000 ft	203	-
FIX	AWY-HI	-145.00000	10,668 m		
TAMUR	G594	-11.06670	35,000 ft	356	-
FIX	AWY-HI	-140.00000	10,668 m		
-900S-14000W	-	-9.00000	35,000 ft	124	-
LATLON	-	-140.00000	10,668 m		
-800S-13900W	-	-8.00000	35,000 ft	84	-
LATLON	-	-139.00000	10,668 m		
-700S-13800W	-	-7.00000	35,000 ft	84	-
LATLON	-	-138.00000	10,668 m		
-600S-13700W	-	-6.00000	35,000 ft	84	-
LATLON	-	-137.00000	10,668 m		
-400S-13500W	-	-4.00000	35,000 ft	169	-
LATLON	-	-135.00000	10,668 m		
-300S-13400W	-	-3.00000	35,000 ft	84	-
LATLON	-	-134.00000	10,668 m		
-200S-13300W	-	-2.00000	35,000 ft	84	-
LATLON	-	-133.00000	10,668 m		
-100S-13200W	-	-1.00000	35,000 ft	84	-
LATLON	-	-132.00000	10,668 m		
100N-13000W	-	1.00000	35,000 ft	169	-
LATLON	-	-130.00000	10,668 m		
200N-12900W	-	2.00000	35,000 ft	84	-
LATLON	-	-129.00000	10,668 m		
300N-12800W	-	3.00000	35,000 ft	84	-
LATLON	-	-128.00000	10,668 m		
400N-12700W	-	4.00000	35,000 ft	84	-
LATLON	-	-127.00000	10,668 m		
500N-12600W	-	5.00000	35,000 ft	84	-
LATLON	-	-126.00000	10,668 m		
700N-12400W	-	7.00000	35,000 ft	169	-
LATLON	-	-124.00000	10,668 m		
800N-12300W	-	8.00000	35,000 ft	84	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	-123.00000	10,668 m		
900N-12200W	-	9.00000	35,000 ft	84	-
LATLON	-	-122.00000	10,668 m		
1000N-12100W	-	10.00000	35,000 ft	84	-
LATLON	-	-121.00000	10,668 m		
1200N-11900W	-	12.00000	35,000 ft	168	-
LATLON	-	-119.00000	10,668 m		
1300N-11800W	-	13.00000	35,000 ft	83	-
LATLON	-	-118.00000	10,668 m		
1400N-11700W	-	14.00000	35,000 ft	83	-
LATLON	-	-117.00000	10,668 m		
1500N-11600W	-	15.00000	35,000 ft	83	-
LATLON	-	-116.00000	10,668 m		
1600N-11500W	-	16.00000	35,000 ft	83	-
LATLON	-	-115.00000	10,668 m		
1600N-11400W	-	16.00000	35,000 ft	57	-
LATLON	-	-114.00000	10,668 m		
1700N-11300W	-	17.00000	35,000 ft	83	-
LATLON	-	-113.00000	10,668 m		
1900N-11100W	-	19.00000	35,000 ft	165	-
LATLON	-	-111.00000	10,668 m		
2000N-11000W	-	20.00000	35,000 ft	82	-
LATLON	-	-110.00000	10,668 m		
2100N-10900W	-	21.00000	35,000 ft	82	-
LATLON	-	-109.00000	10,668 m		
2100N-10800W	-	21.00000	35,000 ft	56	-
LATLON	-	-108.00000	10,668 m		
AXOKA	-	21.13750	35,000 ft	28	-
FIX	-	-107.52000	10,668 m		
UDGAL	-	21.35920	35,000 ft	16	-
FIX	-	-107.35900	10,668 m		
ROBSO	-	21.75000	35,000 ft	26	-
FIX	-	-107.12600	10,668 m		
2200N-10700W	-	22.00000	35,000 ft	16	-
LATLON	-	-107.00000	10,668 m		
MZT	-	23.16050	35,000 ft	80	MAZATLAN
VOR	-	-106.27100	10,668 m		
AXABO	J29	23.61220	35,000 ft	51	-
FIX	AWY-HI	-105.46800	10,668 m		
DGO	J29	24.13800	35,000 ft	61	DURANGO
VOR	AWY-HI	-104.51600	10,668 m		
FOBOS	J29	24.43390	35,000 ft	43	-
FIX	AWY-HI	-103.78700	10,668 m		
PIXON	J29	24.68080	35,000 ft	36	-
FIX	AWY-HI	-103.16900	10,668 m		
KATLA	J29	24.81390	35,000 ft	20	-
FIX	AWY-HI	-102.83200	10,668 m		
PESPA	J29	24.93110	35,000 ft	17	-
FIX	AWY-HI	-102.53300	10,668 m		
VOLIS	J29	25.22350	35,000 ft	44	-
FIX	AWY-HI	-101.77900	10,668 m		
SLW	J29	25.54610	35,000 ft	49	SALTILLO
VOR	AWY-HI	-100.93000	10,668 m		
MTY	J29	25.77280	35,000 ft	46	MONTERREY
VOR	AWY-HI	-100.10400	10,668 m		
OVEMA	J29	25.99780	35,000 ft	20	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
FIX	AWY-HI	-99.83060	10,668 m		
SUTOL	J29	26.44030	35,000 ft	39	-
FIX	AWY-HI	-99.28860	10,668 m		
DEVOE	J29	26.54410	35,000 ft	8	-
FIX	AWY-HI	-99.17010	10,668 m		
CRP	J29	27.90380	35,000 ft	123	CORPUS CHRISTI
VOR	AWY-HI	-97.44490	10,668 m		
WORRY	V13	28.11140	32,600 ft	16	-
FIX	AWY-LO	-97.25510	9,936 m		
AUSTS	V13	28.22800	30,600 ft	9	-
FIX	AWY-LO	-97.14820	9,327 m		
BLOKS	V13	28.38990	28,000 ft	12	-
FIX	AWY-LO	-96.99910	8,534 m		
IVOLY	V13	28.45110	26,900 ft	4	-
FIX	AWY-LO	-96.94260	8,199 m		
TANNA	V13	28.62360	22,400 ft	21	-
FIX	AWY-LO	-96.59340	6,828 m		
KIAH	-	29.98540	0 ft	104	George Bush Intercontinental
APT	-	-95.34120	0 m		

## NZAA

Region: NEW ZEALAND AND ANTARCTICA  
Timezone: PACIFIC/AUCKLAND  
Runways: 1

Elevation: 23 ft / 7 m  
Location: -37.008100 174.792000  
Magnetic Var: 20.177 E

## METAR

NZAA 020900Z AUTO 25007KT 5000 RA HZ FEW027/// SCT032/// BKN049/// 13/11 Q1013

## TAF

TAF NZAA 020808Z 0209/0312 23015KT 9999 -SHRA FEW020 SCT030 TEMPO 0209/0211 7000 SHRA BECMG 0216/0218 20005KT BECMG

## Frequencies

REC - 127.80 MHz - ATIS	REC - 127.00 MHz - ATIS
GND - 121.90 MHz - AUCKLAND GROUND	TWR - 118.70 MHz - AUCKLAND TOWER
TWR - 120.95 MHz - AUCKLAND TOWER	CLD - 128.20 MHz - CLEARANCE DELIVERY
APP - 120.10 MHz - AUCKLAND APPROACH	APP - 124.30 MHz - AUCKLAND APPROACH
APP - 129.50 MHz - AUCKLAND APPROACH	APP - 129.60 MHz - AUCKLAND APPROACH

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
05R	151 ft	12,040 ft	70.92	CONCRETE	1,250 ft	0 ft
	46 m	3,670 m	50.75		381 m	0 m
23L	151 ft	12,040 ft	250.90	CONCRETE	0 ft	131 ft
	46 m	3,670 m	230.72		0 m	40 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
05R	DME	IAA	110.30 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
23L	DME	IMG	109.90 MHz	18 nm	-	-	23 ft
				33 km	-		23 m
05R	LOC-ILS	IAA	110.30 MHz	18 nm	70.91	-	23 ft
				33 km	50.73		23 m
23L	LOC-ILS	IMG	109.90 MHz	18 nm	250.91	-	23 ft
				33 km	230.73		23 m
05R	GS	IAA	110.30 MHz	10 nm	70.91	3.00	23 ft
				19 km	50.73		23 m
23L	GS	IMG	109.90 MHz	10 nm	250.91	3.00	23 ft
				19 km	230.73		23 m

## KIAH

Region: UNITED STATES  
Timezone: AMERICA/CHICAGO  
Runways: 5

Elevation: 98 ft / 30 m  
Location: 29.985400 -95.341200  
Magnetic Var: 1.732 E

## METAR

KIAH 020853Z 16013G17KT 7SM TSRA BKN017CB OVC030 25/22 A2973 RMK AO2 RAB32 TSB42 SLP065 OCNL LTGIC N-NE SW NW TS N-

## TAF

KIAH 020901Z 0209/0312 16013G17KT 6SM TSRA BR VCTS BKN017CB OVC030 TEMPO 0209/0213 VRB15G25KT 3SM +TSRA BR OVC008

## Frequencies

REC - 124.05 MHz - D-ATIS	REC - 122.95 MHz - UNICOM
CLD - 128.10 MHz - CLEARANCE DELIVERY	GND - 119.95 MHz - HOUSTON GROUND
GND - 121.70 MHz - HOUSTON GROUND	GND - 118.57 MHz - HOUSTON GROUND
TWR - 120.72 MHz - HOUSTON TOWER	TWR - 125.35 MHz - HOUSTON TOWER
TWR - 135.15 MHz - HOUSTON TOWER	TWR - 127.30 MHz - HOUSTON TOWER
APP - 120.05 MHz - HOUSTON APPROACH	APP - 124.35 MHz - HOUSTON APPROACH
DEP - 126.67 MHz - HOUSTON DEPARTURE	DEP - 132.25 MHz - HOUSTON DEPARTURE
DEP - 133.60 MHz - HOUSTON DEPARTURE	DEP - 127.12 MHz - HOUSTON DEPARTURE

## Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
15R	151 ft	10,010 ft	152.07	CONCRETE	0 ft	407 ft
	46 m	3,051 m	150.34		0 m	124 m
33L	151 ft	10,010 ft	332.08	CONCRETE	0 ft	407 ft
	46 m	3,051 m	330.35		0 m	124 m
15L	151 ft	12,013 ft	152.08	CONCRETE	0 ft	413 ft
	46 m	3,662 m	150.34		0 m	126 m
33R	151 ft	12,013 ft	332.09	CONCRETE	0 ft	413 ft
	46 m	3,662 m	330.35		0 m	126 m
08L	151 ft	9,008 ft	89.94	CONCRETE	0 ft	387 ft
	46 m	2,746 m	88.21		0 m	118 m
26R	151 ft	9,008 ft	269.96	CONCRETE	0 ft	387 ft
	46 m	2,746 m	268.23		0 m	118 m
08R	151 ft	9,412 ft	89.96	CONCRETE	0 ft	384 ft
	46 m	2,869 m	88.22		0 m	117 m
26L	151 ft	9,412 ft	269.97	CONCRETE	0 ft	384 ft
	46 m	2,869 m	268.24		0 m	117 m
09	151 ft	10,009 ft	89.95	CONCRETE	0 ft	387 ft
	46 m	3,051 m	88.22		0 m	118 m
27	151 ft	10,009 ft	269.97	CONCRETE	0 ft	387 ft
	46 m	3,051 m	268.24		0 m	118 m

## Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
08L	DME	IBZU	111.55 MHz	18 nm	-	-	90 ft
				33 km	-		90 m
08R	DME	IIAH	109.70 MHz	18 nm	-	-	109 ft
				33 km	-		109 m
09	DME	IUYO	110.90 MHz	18 nm	-	-	100 ft
				33 km	-		100 m

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
26L	DME	IJYV	109.70 MHz	18 nm 33 km	- -	-	109 ft 109 m
26R	DME	IOND	111.55 MHz	18 nm 33 km	- -	-	84 ft 84 m
27	DME	IGHI	110.90 MHz	18 nm 33 km	- -	-	100 ft 100 m
08L	LOC-ILS	IBZU	111.55 MHz	18 nm 33 km	89.95 88.22	-	98 ft 98 m
08R	LOC-ILS	IIAH	109.70 MHz	18 nm 33 km	89.96 88.23	-	98 ft 98 m
09	LOC-ILS	IUYO	110.90 MHz	18 nm 33 km	89.96 88.23	-	98 ft 98 m
15R	LOC-ILS	ILKM	111.15 MHz	18 nm 33 km	152.08 150.35	-	98 ft 98 m
26L	LOC-ILS	IJYV	109.70 MHz	18 nm 33 km	269.96 268.23	-	98 ft 98 m
26R	LOC-ILS	IOND	111.55 MHz	18 nm 33 km	269.95 268.22	-	98 ft 98 m
27	LOC-ILS	IGHI	110.90 MHz	18 nm 33 km	269.96 268.23	-	98 ft 98 m
33R	LOC-ILS	ICDG	111.90 MHz	18 nm 33 km	332.09 330.36	-	98 ft 98 m
08L	GS	IBZU	111.55 MHz	10 nm 19 km	89.95 88.22	3.00	98 ft 98 m
08R	GS	IIAH	109.70 MHz	10 nm 19 km	89.96 88.23	3.00	98 ft 98 m
09	GS	IUYO	110.90 MHz	10 nm 19 km	89.96 88.23	3.00	98 ft 98 m
15R	GS	ILKM	111.15 MHz	10 nm 19 km	152.08 150.35	3.00	98 ft 98 m
26L	GS	IJYV	109.70 MHz	10 nm 19 km	269.96 268.23	3.00	98 ft 98 m
26R	GS	IOND	111.55 MHz	10 nm 19 km	269.95 268.22	3.00	98 ft 98 m
27	GS	IGHI	110.90 MHz	10 nm 19 km	269.96 268.23	3.00	98 ft 98 m
33R	GS	ICDG	111.90 MHz	10 nm 19 km	332.09 330.36	3.00	98 ft 98 m