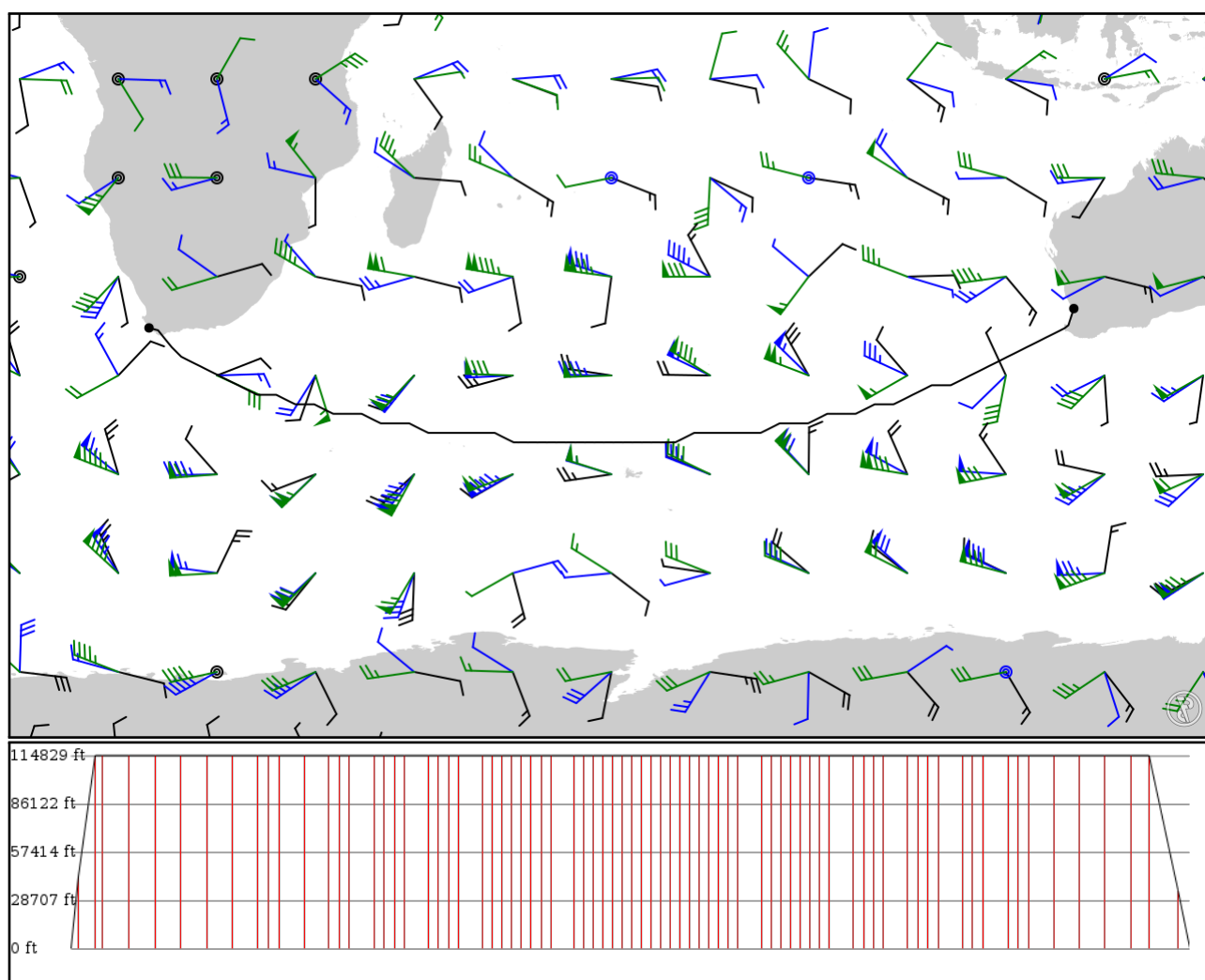


2024/05/29 0158Z

YPPH MANDU **W20** BLN -3400S11500E -3500S11300E -3600S11100E -3700S10900E -3800S10700E -3900S10500E
-4000S10300E -4000S10200E -4000S10100E -4100S09900E -4200S09700E -4200S09600E -4200S09500E
-4300S09300E -4300S09200E -4300S09100E -4300S09000E -4400S08800E -4400S08700E -4400S08600E
-4400S08500E -4500S08300E -4500S08200E -4500S08100E -4500S08000E -4500S07900E -4500S07800E
-4500S07700E -4500S07600E -4600S07400E -4600S07300E -4600S07200E -4600S07100E -4600S07000E
-4600S06900E -4600S06800E -4600S06700E -4600S06600E -4600S06500E -4600S06400E -4600S06300E
-4600S06200E -4600S06100E -4600S06000E -4600S05900E -4600S05800E -4600S05700E -4500S05500E
-4500S05400E -4500S05300E -4500S05200E -4500S05100E -4500S05000E -4500S04900E -4500S04800E
-4400S04600E -4400S04500E -4400S04400E -4400S04300E -4300S04100E -4300S04000E -4300S03900E
-4300S03800E -4200S03600E -4200S03500E -4200S03400E -4100S03200E -4100S03100E -4100S03000E
-4000S02800E -3900S02600E -3800S02400E -3700S02200E -3600S02100E OKTED FACT

4869.00 nm / 9017.38 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
YPPH	-	-31.93980	0 ft	-	Perth International
APT	-	115.96700	0 m	-	
MANDU	-	-32.52340	12,900 ft	36	-
FIX	-	115.77500	3,932 m	-	-
BLN	W20	-33.69250	35,000 ft	72	BUSSELTON
NDB	AWY-LO	115.39500	10,668 m	-	
-3400S11500E	-	-34.00000	35,000 ft	27	-
LATLON	-	115.00000	10,668 m	-	-
-3500S11300E	-	-35.00000	35,000 ft	115	-
LATLON	-	113.00000	10,668 m	-	-
-3600S11100E	-	-36.00000	35,000 ft	114	-
LATLON	-	111.00000	10,668 m	-	-
-3700S10900E	-	-37.00000	35,000 ft	113	-
LATLON	-	109.00000	10,668 m	-	-
-3800S10700E	-	-38.00000	35,000 ft	112	-
LATLON	-	107.00000	10,668 m	-	-
-3900S10500E	-	-39.00000	35,000 ft	111	-
LATLON	-	105.00000	10,668 m	-	-
-4000S10300E	-	-40.00000	35,000 ft	110	-
LATLON	-	103.00000	10,668 m	-	-
-4000S10200E	-	-40.00000	35,000 ft	46	-
LATLON	-	102.00000	10,668 m	-	-
-4000S10100E	-	-40.00000	35,000 ft	46	-
LATLON	-	101.00000	10,668 m	-	-
-4100S09900E	-	-41.00000	35,000 ft	109	-
LATLON	-	99.00000	10,668 m	-	-
-4200S09700E	-	-42.00000	35,000 ft	108	-
LATLON	-	97.00000	10,668 m	-	-
-4200S09600E	-	-42.00000	35,000 ft	44	-
LATLON	-	96.00000	10,668 m	-	-
-4200S09500E	-	-42.00000	35,000 ft	44	-
LATLON	-	95.00000	10,668 m	-	-
-4300S09300E	-	-43.00000	35,000 ft	106	-
LATLON	-	93.00000	10,668 m	-	-
-4300S09200E	-	-43.00000	35,000 ft	43	-
LATLON	-	92.00000	10,668 m	-	-
-4300S09100E	-	-43.00000	35,000 ft	43	-
LATLON	-	91.00000	10,668 m	-	-
-4300S09000E	-	-43.00000	35,000 ft	43	-
LATLON	-	90.00000	10,668 m	-	-
-4400S08800E	-	-44.00000	35,000 ft	105	-
LATLON	-	88.00000	10,668 m	-	-
-4400S08700E	-	-44.00000	35,000 ft	43	-
LATLON	-	87.00000	10,668 m	-	-
-4400S08600E	-	-44.00000	35,000 ft	43	-
LATLON	-	86.00000	10,668 m	-	-
-4400S08500E	-	-44.00000	35,000 ft	43	-
LATLON	-	85.00000	10,668 m	-	-
-4500S08300E	-	-45.00000	35,000 ft	104	-
LATLON	-	83.00000	10,668 m	-	-
-4500S08200E	-	-45.00000	35,000 ft	42	-
LATLON	-	82.00000	10,668 m	-	-
-4500S08100E	-	-45.00000	35,000 ft	42	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	81.00000	10,668 m		
-4500S08000E	-	-45.00000	35,000 ft	42	-
LATLON	-	80.00000	10,668 m		
-4500S07900E	-	-45.00000	35,000 ft	42	-
LATLON	-	79.00000	10,668 m		
-4500S07800E	-	-45.00000	35,000 ft	42	-
LATLON	-	78.00000	10,668 m		
-4500S07700E	-	-45.00000	35,000 ft	42	-
LATLON	-	77.00000	10,668 m		
-4500S07600E	-	-45.00000	35,000 ft	42	-
LATLON	-	76.00000	10,668 m		
-4600S07400E	-	-46.00000	35,000 ft	103	-
LATLON	-	74.00000	10,668 m		
-4600S07300E	-	-46.00000	35,000 ft	41	-
LATLON	-	73.00000	10,668 m		
-4600S07200E	-	-46.00000	35,000 ft	41	-
LATLON	-	72.00000	10,668 m		
-4600S07100E	-	-46.00000	35,000 ft	41	-
LATLON	-	71.00000	10,668 m		
-4600S07000E	-	-46.00000	35,000 ft	41	-
LATLON	-	70.00000	10,668 m		
-4600S06900E	-	-46.00000	35,000 ft	41	-
LATLON	-	69.00000	10,668 m		
-4600S06800E	-	-46.00000	35,000 ft	41	-
LATLON	-	68.00000	10,668 m		
-4600S06700E	-	-46.00000	35,000 ft	41	-
LATLON	-	67.00000	10,668 m		
-4600S06600E	-	-46.00000	35,000 ft	41	-
LATLON	-	66.00000	10,668 m		
-4600S06500E	-	-46.00000	35,000 ft	41	-
LATLON	-	65.00000	10,668 m		
-4600S06400E	-	-46.00000	35,000 ft	41	-
LATLON	-	64.00000	10,668 m		
-4600S06300E	-	-46.00000	35,000 ft	41	-
LATLON	-	63.00000	10,668 m		
-4600S06200E	-	-46.00000	35,000 ft	41	-
LATLON	-	62.00000	10,668 m		
-4600S06100E	-	-46.00000	35,000 ft	41	-
LATLON	-	61.00000	10,668 m		
-4600S06000E	-	-46.00000	35,000 ft	41	-
LATLON	-	60.00000	10,668 m		
-4600S05900E	-	-46.00000	35,000 ft	41	-
LATLON	-	59.00000	10,668 m		
-4600S05800E	-	-46.00000	35,000 ft	41	-
LATLON	-	58.00000	10,668 m		
-4600S05700E	-	-46.00000	35,000 ft	41	-
LATLON	-	57.00000	10,668 m		
-4500S05500E	-	-45.00000	35,000 ft	103	-
LATLON	-	55.00000	10,668 m		
-4500S05400E	-	-45.00000	35,000 ft	42	-
LATLON	-	54.00000	10,668 m		
-4500S05300E	-	-45.00000	35,000 ft	42	-
LATLON	-	53.00000	10,668 m		
-4500S05200E	-	-45.00000	35,000 ft	42	-
LATLON	-	52.00000	10,668 m		
-4500S05100E	-	-45.00000	35,000 ft	42	-

Ident Type	Via	Lat Lon	Alt	Dist (nm)	Name
LATLON	-	51.00000	10,668 m		
-4500S05000E	-	-45.00000	35,000 ft	42	-
LATLON	-	50.00000	10,668 m		
-4500S04900E	-	-45.00000	35,000 ft	42	-
LATLON	-	49.00000	10,668 m		
-4500S04800E	-	-45.00000	35,000 ft	42	-
LATLON	-	48.00000	10,668 m		
-4400S04600E	-	-44.00000	35,000 ft	104	-
LATLON	-	46.00000	10,668 m		
-4400S04500E	-	-44.00000	35,000 ft	43	-
LATLON	-	45.00000	10,668 m		
-4400S04400E	-	-44.00000	35,000 ft	43	-
LATLON	-	44.00000	10,668 m		
-4400S04300E	-	-44.00000	35,000 ft	43	-
LATLON	-	43.00000	10,668 m		
-4300S04100E	-	-43.00000	35,000 ft	105	-
LATLON	-	41.00000	10,668 m		
-4300S04000E	-	-43.00000	35,000 ft	43	-
LATLON	-	40.00000	10,668 m		
-4300S03900E	-	-43.00000	35,000 ft	43	-
LATLON	-	39.00000	10,668 m		
-4300S03800E	-	-43.00000	35,000 ft	43	-
LATLON	-	38.00000	10,668 m		
-4200S03600E	-	-42.00000	35,000 ft	106	-
LATLON	-	36.00000	10,668 m		
-4200S03500E	-	-42.00000	35,000 ft	44	-
LATLON	-	35.00000	10,668 m		
-4200S03400E	-	-42.00000	35,000 ft	44	-
LATLON	-	34.00000	10,668 m		
-4100S03200E	-	-41.00000	35,000 ft	108	-
LATLON	-	32.00000	10,668 m		
-4100S03100E	-	-41.00000	35,000 ft	45	-
LATLON	-	31.00000	10,668 m		
-4100S03000E	-	-41.00000	35,000 ft	45	-
LATLON	-	30.00000	10,668 m		
-4000S02800E	-	-40.00000	35,000 ft	109	-
LATLON	-	28.00000	10,668 m		
-3900S02600E	-	-39.00000	35,000 ft	110	-
LATLON	-	26.00000	10,668 m		
-3800S02400E	-	-38.00000	35,000 ft	111	-
LATLON	-	24.00000	10,668 m		
-3700S02200E	-	-37.00000	35,000 ft	112	-
LATLON	-	22.00000	10,668 m		
-3600S02100E	-	-36.00000	35,000 ft	77	-
LATLON	-	21.00000	10,668 m		
OKTED	-	-34.22000	10,600 ft	128	-
FIX	-	19.55830	3,231 m		
FACT	-	-33.97030	0 ft	49	Cape Town Intl
APT	-	18.60420	0 m		

YPPH

Region: AUSTRALIA
Timezone: AUSTRALIA/PERTH
Runways: 2

Elevation: 67 ft / 20 m
Location: -31.939800 115.967000
Magnetic Var: 1.733 W

METAR

YPPH 290130Z 17010KT 9999 VCSH FEW017 SCT049 FEW034CB 12/09 Q1010

TAF

TAF AMD YPPH 290108Z 2901/3006 21014KT 9999 -SHRA SCT040 FM291200 04008KT 9999 -SHRA SCT040 INTER 2901/2906 230200

Frequencies

REC - 113.70 MHz - PERTH ATIS	APP - 123.60 MHz - PERTH APPROACH
DEP - 118.70 MHz - PERTH DEPARTURE	TWR - 127.40 MHz - PERTH TOWER
GND - 121.70 MHz - PERTH GROUND WEST	GND - 122.20 MHz - PERTH GROUND EAST
CLD - 118.55 MHz - PERTH CLEARANCE DELIVERY	

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
06	148 ft	7,100 ft	58.88	ASPHALT	0 ft	217 ft
	45 m	2,164 m	60.62		0 m	66 m
24	148 ft	7,100 ft	238.87	ASPHALT	0 ft	220 ft
	45 m	2,164 m	240.61		0 m	67 m
03	148 ft	11,307 ft	13.88	ASPHALT	0 ft	302 ft
	45 m	3,446 m	15.61		0 m	92 m
21	148 ft	11,307 ft	193.88	ASPHALT	0 ft	210 ft
	45 m	3,446 m	195.61		0 m	64 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
03	DME	IPN	110.10 MHz	18 nm	-	-	75 ft
				33 km	-		75 m
21	DME	IGD	109.50 MHz	18 nm	-	-	67 ft
				33 km	-		67 m
24	DME	IPH	109.90 MHz	18 nm	-	-	67 ft
				33 km	-		67 m
03	LOC-ILS	IPN	110.10 MHz	18 nm	13.88	-	67 ft
				33 km	15.61		67 m
21	LOC-ILS	IGD	109.50 MHz	18 nm	193.87	-	67 ft
				33 km	195.60		67 m
24	LOC-ILS	IPH	109.90 MHz	18 nm	238.88	-	67 ft
				33 km	240.61		67 m
03	GS	IPN	110.10 MHz	10 nm	13.88	3.00	67 ft
				19 km	15.61		67 m
21	GS	IGD	109.50 MHz	10 nm	193.87	3.00	67 ft
				19 km	195.60		67 m
24	GS	IPH	109.90 MHz	10 nm	238.88	3.00	67 ft
				19 km	240.61		67 m

FACT

Region: SOUTH AFRICA

Timezone: AFRICA/JOHANNESBURG

Runways: 2

Elevation: 147 ft / 45 m

Location: -33.970300 18.604200

Magnetic Var: 26.085 W

METAR

FACT 290120Z 18005KT 130V220 0400 R19/0800 FG BKN002 14/14 Q1016

TAF

TAF FACT 282200Z 2900/3006 VRB03KT 0500 FG NSC TX26/2912Z TN10/2906Z TEMPO 2900/2904 0200 FG BECMG 2906/2908 CAVOK

Frequencies

REC - 127.00 MHz - ATIS

TWR - 118.10 MHz - CAPE TOWN TOWER

GND - 121.90 MHz - CAPE TOWN GROUND

APP - 119.70 MHz - ARSA RDR

Runways

Ident	Width	Length	Bearing (true) (mag)	Surface	Threshold Offset	Overrun Length
16	151 ft	5,586 ft	135.31	ASPHALT	0 ft	164 ft
	46 m	1,703 m	161.39		0 m	50 m
34	151 ft	5,586 ft	315.30	ASPHALT	0 ft	0 ft
	46 m	1,703 m	341.38		0 m	0 m
01	200 ft	10,512 ft	345.30	ASPHALT	0 ft	200 ft
	61 m	3,204 m	11.38		0 m	61 m
19	200 ft	10,512 ft	165.30	ASPHALT	0 ft	194 ft
	61 m	3,204 m	191.38		0 m	59 m

Approach Nav aids

Runway	Type	Ident	Frequency	Range	Bearing (true) (mag)	Slope	Elevation
01	DME	CTI	110.30 MHz	18 nm	-	-	151 ft
				33 km	-		151 m
19	DME	KSI	109.10 MHz	18 nm	-	-	151 ft
				33 km	-		151 m
01	LOC-ILS	CTI	110.30 MHz	18 nm	345.30	-	147 ft
				33 km	11.38		147 m
19	LOC-ILS	KSI	109.10 MHz	18 nm	165.30	-	147 ft
				33 km	191.38		147 m
01	GS	CTI	110.30 MHz	10 nm	345.30	3.00	147 ft
				19 km	11.38		147 m
19	GS	KSI	109.10 MHz	10 nm	165.30	3.20	147 ft
				19 km	191.38		147 m