

Loc	Frq	NAP
ADL	129.5	RW05 RW12/30
SYD	129.5	RW16R RW34L+R
MEL	129.5	RW09 RW16
BNE	129.5	RW19L+R
TSV	129.5	None
CNS	131.9	RW15

Speeds [200/300]		
Hold (<F140)	230	
Hold (F140-200)	240	
Hold (F200-340)	265	
Initial Apch	160-240	
Final Apch	115-160	
Max Circling	180 / 4.2	
M/App In/Fnl	160-240	
Max TWC	15	
Tkoff XWC	30/35	
Ldg XWC	35	
VA	230/240	
VRA		
Gear	205	
VFE	18	210/215
	24	180
	30	170/155
	33	145/150

		Flt #	Local Time	Zulu Time
South	QF 7291	CNS (17:30) - BNE (20:00)	CNS (07:30) - BNE (10:00)	
	QF 7992	BNE (20:30) - SYD (23:10)	BNE (10:30) - SYD (12:10)	
	QF 7993	SYD (23:40) - MEL (01:15)	SYD (12:40) - MEL (14:15)	
North	QF 7994	MEL (02:00) - SYD (03:30)	MEL (15:00) - SYD (16:30)	
	QF 7995	SYD (04:00) - BNE (04:30)	SYD (17:00) - BNE (18:30)	
	QF 7996	BNE (05:00) - TSV (07:05)	BNE (19:00) - TSV (21:05)	
	QF 7997	TSV (07:35) - CNS (08:25)	TSV (21:35) - CNS (22:25)	
ADL 1	QF 7221	ADL (19:40) - SYD (22:15)	ADL (09:10) - SYD (11:15)	
	QF 7222	SYD (22:40) - MEL (00:15)	SYD (11:40) - MEL (13:15)	
	QF 7223	MEL (02:10) - ADL (03:05)	MEL (15:10) - ADL (16:35)	
ADL 2	QF 7485	ADL (20:15) - MEL (22:05)	ADL (09:45) - MEL (11:05)	
	QF 7450	MEL (22:35) - SYD (00:05)	MEL (11:35) - SYD (13:05)	
	QF 7405	SYD (00:45) - MEL (02:20)	SYD (13:45) - MEL (15:20)	
ADL 3	QF 7458	MEL (02:50) - ADL (03:50)	MEL (15:50) - ADL (17:20)	
	QF 7480	ADL (19:40) - MEL (21:30)	ADL (09:10) - MEL (10:30)	
	QF 7455	MEL (22:00) - SYD (23:25)	MEL (11:00) - SYD (12:25)	
	QF 7403	SYD (23:55) - BNE (01:25)	SYD (12:55) - BNE (15:25)	
ADL 4	QF 7438	BNE (01:55) - ADL (04:05)	BNE (15:55) - ADL (17:35)	
	QF 7489	ADL (19:15) - SYD (21:45)	ADL (08:45) - SYD (10:45)	
TF	QF 7449	SYD (22:20) - ADL (00:05)	SYD (11:20) - ADL (13:35)	
	TF 47	BNE (22:45) - SYD (00:15)	BNE (12:45) - SYD (13:15)	
	TF 48	SYD (01:15) - BNE (02:35)	SYD (14:15) - BNE (16:35)	

Loc	METARs
Mt William 119.75	YPAD YMHB YMLT YMML YPPH YMIA
Mt Ginini 128.65	YPAD YSCB YMHB YMML YSWG
Pt Lookout 119.75	YAMB YBBN YBCG YSCB YMML YBRK YSSY YWLM
Mt Mowbullan 119.95	YAMB YBBN YBCG YBMK YBRK YSBU YSSY
Mt Blackwood 119.85	YAMB YBBN YBCS YHML YBML YBRK YBTL
Bellenden Kerr 119.75	

Dispatch Oxy - Freighter			
Oxygen Temp	Two Crew	Three Crew	
0°	680	870	
10°	700	900	
20°	730	930	
30°	750	930	

Max Alt for 500fpm ROC - BAE146-200/300	ISA +00°				ISA +05°				ISA +15°				ISA +20°			
	FL300	43.0 / 42.3	41.0 / 40.6	36.2 / 35.9	33.8 / 33.5	43.0 / 42.3	41.0 / 40.6	36.2 / 35.9	33.8 / 33.5	43.0 / 42.3	41.0 / 40.6	36.2 / 35.9	33.8 / 33.5	43.0 / 42.3	41.0 / 40.6	36.2 / 35.9
FL290	---	43.9	42.2 / 41.8	37.0 / 36.8	34.6 / 34.2	---	43.9	42.2 / 41.8	37.0 / 36.8	34.6 / 34.2	---	43.9	42.2 / 41.8	37.0 / 36.8	34.6 / 34.2	---
FL280	---	43.0	37.9 / 37.6	35.3 / 34.9	---	43.0	37.9 / 37.6	35.3 / 34.9	---	43.0	37.9 / 37.6	35.3 / 34.9	---	43.0	37.9 / 37.6	35.3 / 34.9
FL270	---	44.2	38.7 / 38.3	36.1 / 35.5	---	44.2	38.7 / 38.3	36.1 / 35.5	---	44.2	38.7 / 38.3	36.1 / 35.5	---	44.2	38.7 / 38.3	36.1 / 35.5
FL260	---	45.3	39.4 / 38.8	36.7 / 36.1	---	45.3	39.4 / 38.8	36.7 / 36.1	---	45.3	39.4 / 38.8	36.7 / 36.1	---	45.3	39.4 / 38.8	36.7 / 36.1
FL250	---	46.4	40.2 / 39.3	37.4 / 36.7	---	46.4	40.2 / 39.3	37.4 / 36.7	---	46.4	40.2 / 39.3	37.4 / 36.7	---	46.4	40.2 / 39.3	37.4 / 36.7

### Pionair Destination Airport For Filing As Alternate Minima

Valid At  
24.Nov.21

Aircraft	ILS * / LOC * / VOR *	ILS / RNAV / VOR	BNE :	ILS/LOC/RW01L RNAV *	Other
ADL :	850 ft 4.0 km	1480 ft 6.0 km		700 ft 2.5 km	1265 ft 6.0 km
CNS :	RW15 : ILS / LOC	RW33 : LOC	NDB-A / VOR-A	RNAV-Z (GNSS)	NDB-B / VOR-B
	1280 ft 6.0 km	1290 ft 6.0 km	1500 ft 4.4 km	1520 ft 6.0 km	2110 ft 6.0 km
MEL :	ILS * / RW27 LOC-DME *	RW34 VOR *	Other		
	700 ft 2.5 km	700 ft 2.5 km	1516 ft 6.0 km	(*) Special Alternate Minima Requires : 2x Aircraft Receivers (ILS/VOR); Local METAR/SPECI; AD Control; (Check NOTAMS)	
SYD :	ILS *	LOC * : RW 16L/16R/34L	Other		
	700 ft 2.5 km	700 ft 2.5 km	1479 ft 6.0 km		
TSV :	ILS-Z	LOC-Z (Not LOC-DME)	Other (Act QNH)		Other (Fcst QNH)
	900 ft 4.5 km	900 ft 4.5 km	1732 ft 6.0 km	1832 ft 6.0 km	

Aircraft	Expiry	OW # 1		OW # 2		OW # 3		MZFW	MTOW	MLW
SAJ	3150	17.Apr.23	23,685 51.74	23,786 48.41	23,887 45.46	35,833	44,225	38,328		
SAZ	2148	26.Mar.24	24,241 60.2	26,518 62.36	25,412 59.57	34,745	42,184	36,740		
			OW # 4 : 25,513 / 57.52		OW # 5 : 25,877 / 62.60					
SFV	2086	09.Jul.22	22,922 47.64	23,023 44.76	23,124 42.31	34,019	42,184	36,740		
SFW	2105	29.Nov.22	23,026 47.21	23,127 44.32	23,228 41.94	34,019	42,184	36,740		
SIF	2119	13.Aug.22	23,554 44.71	23,655 42.52	23,756 40.87	34,019	42,184	36,740		
SYO	2108	19.Jun.23	24,443 43.20	24,534 41.10	24,898 46.10	34,019	42,184	36,740		
		OW 4/5/6 :		24,218 43.30	24,319 41.20				24,683 46.30	
SQR	3151	14.Jan.24	23,713 52.13	23,814 48.81	23,915 45.85	35,833	44,225	38,328		

Runway Change	
ATIS/ATC Clearance .....	Obtain
NOTAMS/Jeppesen .....	Checked
Takeoff Performance .....	Complete
TMS/N1 Bugs .....	Checked & Off, Set
Flap Selection .....	Selected
Takeoff Data & Bugs (ASI/Altimeter) ...	Checked & Set
Elevator Trim .....	Set
FMC Changes	
- DEPART : Runway, SID, Transition, Route	
- FPL : Review SID Waypoint, Track Distance	
Other (DDG/Packs-APU/Etc) .....	Checked
Nav aids (Tune, Ident, Course) .....	Set
Departure Brief (NM/NNM) .....	Update
Before Takeoff Checklist .....	Complete

Max Allowable Diff : Servo Altimeters					
Altitude	≤ M0.35	M0.4	M0.5	M0.6	≥ M0.7
0 ft	± 55 ft	± 65 ft			
5,000 ft	± 60 ft	± 75 ft			
10,000 ft	± 70 ft	± 80 ft	± 80 ft		
15,000 ft		± 90 ft	± 90 ft	± 115 ft	
20,000 ft			± 100 ft	± 125 ft	± 145 ft
25,000 ft			± 115 ft	± 140 ft	± 160 ft
30,000 ft				± 160 ft	± 180 ft

Aircraft	Flexible				Rigid			
	A	B	C	D	A	B	C	D
BAe146-100	18	20	23	26	21	22	24	25
BAe146-200	22	23	26	29	24	26	27	29
BAe146-300	24	25	28	31	27	28	30	31

NPA Angle / Gradient / Rate of Descent.										
Slp	Ft/ nm	% Grad	Groundspeed (Kts)							
			110	120	130	140	150	160	170	180
3.0°	318	5.2%	584	637	690	743	796	849	902	955
3.1°	329	5.4%	603	658	713	768	823	878	932	987
3.2°	340	5.6%	623	679	736	793	849	906	962	1019
3.3°	350	5.8%	642	701	759	817	876	934	993	1051
3.4°	361	5.9%	662	722	782	842	902	963	1023	1083
3.5°	372	6.1%	681	743	805	867	929	991	1053	1115
3.6°	382	6.3%	701	765	828	892	956	1019	1083	1147
3.7°	393	6.5%	720	786	851	917	982	1048	1113	1179
3.8°	404	6.6%	740	807	874	942	1009	1076	1143	1211
3.9°	414	6.8%	759	828	897	967	1036	1105	1174	1243
4.0°	425	7.0%	779	850	921	991	1062	1133	1204	1275