

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-001	Tauranga to Rotorua	NZTG - NZRO	28	Depart rwy 7 , Turn right hdg 144. Track RO NDB 282.0. Airfield on the edge of the bay. Land Rwy 19. Field elevation 931'	3000
A-002	Wynyard to Devonport	YWYY - YDPO	33	Depart rwy 9 , Turn to hdg 106. Set DPO VOR 116.30 course radial 064. Follow coastline in easterly direction, keeping it on left hand side. When VOR needle swings to center , turn to 064 - Should see rwy in sight .Land rwy 6 Field elevation 33'	1500
A-003	Whyalla to Port Augusta	YWHY - YPAG	35	Depart rwy 35, Turn right to hdg 010. Track PAG NDB 212.0 . Land Rnwy 33. Field Elevation 56'	3500
A-004	Nelson to Omaka	NZNS - NZOM	35	Depart rwy 2, Turn right to hdg 092 , track WB NDB 366.0 Climb @ 900 fpm to 3500. Go left around the last hill, then descend at 700 fpm. Land , rwy 12. Field elevation 98' (Don't mistake Woodburne for Omaka ! . Omaka is the field after Woodburne)	3500
A-005	Albury to Wangaratta	YMAY - YWGT	39	Depart rwy 25, turn left to hdg 225, track WGT NDB 203.0. Land Rnwy 18 Field Elevation 501'	2500
A-006	Port Augusta to Port Pirie	YPAG - YPIR	46	Depart rwy 15, turn to hdg 155. Land Port Pirie, Runway 17 , Field elevation 39'	3500
A-007	Ballarat to Melbourne	YBLT - YMML	50	Depart rwy 5, Turn right to hdg 090, Track ML VOR 114.10 . Use ML VOR/DME to calculate distance as to when to begin descent. When at BOD, set VOR109.3 / BC course radial 89 ILS rwy 9 . Land rwy 9, Field elevation 344'	3500
A-008	Rotorua to Hamilton	NZRO - NZHN	52	Depart rwy 19, Turn right to hdg 258 , set HN VOR 114.0 , course radial 357. When needle swings to center, turn right and land rwy 36 . Field elevation 171'	4500
A-009	Hamilton to Rotorua	NZHN - NZRO	53	Depart rwy 36 Turn right to hdg 084. Track RO NDB 282.0. When NDB reached turn to hdg 184. Land rwy 19 Field Elevation 932'	3500
A-010	Grafton to Casino	YGFN - YCAS	53	Depart rwy 36 , Turn to hdg of 004, track CAS NDB 332.0. Set NDB radial same as hdg 004. When NDB needle points to 280 turn left onto 274 hdg. Land rwy 28 . Field Elevation 85' . Set CAS DME 115.8. When DME reads 15 nm from YCAS , begin descent @ 500	4500

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A-011	Auckland to Hamilton	NZAA - NZHN	60	Depart rwy 5, Straight out on hdg 051. Track HD NDB 334.0. Turn to hdg 118 , Track RD NDB 314.0. Turn to hdg 151 set HN VOR 114.0, course radial 177, continue 151 hdg until needle centers then turn to hdg 177 land rwy 18. Field Elev 200'.	5500
A-012	Bendigo to Melbourne	YBDG - YMML	61	Depart rwy 17. Turn left to hdg 142. Track BOL NDB 362.0 . Set VOR to 109.70 course radial 160 for ILS rwy 16. Land rwy 16 . Field elevation 433'	3500
A-013	Melbourne to Bendigo	YMML - YBDG	63	Depart rwy 34, straight out on hdg 339. Track BOL NDB 362.0. Turn left to hdg 315, Track BDG NDB 245.0 Set NDB radial to hdg 315. When NDB needle points to 350 turn right and Land rwy 35 . Field elevation 701'	4500
A-014	Williamtown to Taree	YWLM - YTRE	65	Depart rwy 12, Turn left to hdg 019, . Set TRE NDB to 371.0 Land rwy 4 . Field elevation 36'	3500
A-015	Coffs Harbour to Port McQuarie	YSCH - YPMQ	69	Depart rwy 21, turn left to hdg 179. Set PMQ NDB 395.0 Land rwy 21 . Field elevation 9'	3500
A-016	Sydney to Nowra	YSSY - YSNW	69	Depart rwy 16R, turn right to hdg 194. WOL NDB 239.0 Turn to hdg 178, tune NWA NDB 359.0 and set NDB radial to course hdg of 178. When NDB needle points to 210 , turn right to hdg 210 Land rwy 21 Field elevation 396'	4500
A-017	Hamilton to Auckland	NZHN - NZAA	70	Depart rwy 36, turn to hdg 328 Track SY NDB 350.0 . Turn to hdg 318 track HD NDB 334.0.Set VOR 109.90 course radial 232 for ILS rwy 23.When needle centers turn to hdg 232, land rwy 23 Field elevation 22'	4500
A-018	New Plymouth to Wanganui	NZNP - NZWU	70	Depart rwy 14 . Turn left to 125 hdg.Track WU NDB 382.0 Land Rwy 11 . Field Elevation 26'	3500
A-019	Napier to Gisborne	NZNR - NZGS	72	Depart rwy 34. Turn right to hdg 026. Track WO NDB 246.0 . Continue 026 hdg set GS VOR 114.20. Land Rwy 3 . Field elevation 13'	3500
A-020	Nowra to Sydney	YSNW - YSSY	72	Depart rwy 3. Turn left to hdg 015, track WOL NDB 239.0. Turn left to hdg 003, GLF NDB 428.0. Turn right to hdg 062, set VOR 109.90 course radial 062 for ILS rwy 7 . land rwy 7. Field Elevation 20'	3500
A-021	Palmerston Nth to Wellington	NZPM - NZWN	73	Depart rwy25, turn left to hdg 198. Set PP NDB 242.0 Turn Left hdg 189 set TY NDB 234.0 Set VOR to 110.30 course radial 161for ILS approach to rwy 16. When vor needle centers turn left to 161 and land rwy 16. Field Elevation 39'	4500
A-022	Wellington to Nelson	NZWN - NZNS	74	Depart rwy 34, turn left to hdg 270, track TR VOR 114.60. Turn to hdg 255 , Set NS VOR 116.40. Course 200, When needle centers (Fix01) turn left to hdg 200, land rwy 20 , Field elevation 16'	4500

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A-023	Taree to Williamtown	YTRE - YWLM	77	Depart rwy 22, head straight out on hdg 211. Track WMD NDB 224.0 Set VOR 110.50 course radial 118 for ILS rwy 12 When needle crosses center, turn left to 118 (Fix01) land rwy 12. Field Elevation 30'	4500
A-024	Sheparton to Albury	YSHT - YMAY	79	Depart rwy 36, turn right to hdg 063. Track ALB VOR 115.60. Land rwy 7 . Field Elevation 538	5500
A-025	Warnabool to Ballarat	YWBL - YBLT	80	Depart rwy 4, continue hdg 043. Track BLT NDB 239.0, Land rwy 5, Field elevation 1430'	5500
A-026	Williamtown to Sydney	YWLM - YSSY	82	Depart rwy 12, Turn right to hdg 209. Track CAA NDB 392.0, turn to hdg 187, track BK NDB 416.0, set VOR 109.50, course radial 155 for ILS rwy 16R When needle points to center turn left to 155 . Land rwy 16R, Field elevation 20'	4500
A-027	Wanganui to Wellington	NZWU - NZWN	83	Depart rwy 11, Turn right to hdg 166. Set TY NDB 234.0 Set VOR to ILS 110.30 course radial 161 for ILS rwy16. Continue past TY NDB until ILS needle centers, turn left to 161 hdg and land rwy 16 Field Elevation 39'	3500
A-028	Gisbourne to Hastings	NZGS - NZHS	83	Depart rwy 21. Hdg 207. Set WO NDB 246.0 Continue hdg 206 and Track NR VOR 113.80 At Napier, turn to hdg 181. Land Hastings rwy 19 , which is 12 miles straight ahead. Field Elevation 68'	4500
A-029	Melbourne to Sheparton	YVML - YSHT	83	Depart rwy 34 , Hdg 340. Track BOL NDB 362.0. Turn right to hdg 017, Track MNG NDB 254.0, turn to hdg 009 SHT NDB 212.0, Land rwy 36 . Field Elevaton 371'	5500
A-030	Goroka to Nadzab	AYGA - AYNZ	85	Depart rwy17R, turn left to hdg 104. track NZ VOR 113.90. Climb @ 800 fpm. Land rwy 9 . Field Elevation 229'	9500
A-031	Sydney to Bathurst	YSSY - YBTH	85	Depart rwy 25, turn to hdg 263, track BK NDB 416.0. Turn to hdg 279, track KAT NDB 233.0 , continue on hdg 275 Set BTH NDB 383.0 and course radial to as per hdg 275. When NDB needle points to 345, (Fix01) turn right to land rwy 35. Field Elevation 2434'	6500
A-032	Bathurst to Sydney	YBTH - YSSY	86	Depart rwy 17. Turn left to hdg 107. Track KAT NDB 233.0. Turn to hdg 110, Track GLF NDB 428.0 . Set VOR to 109.90 course radial 062. for ILS rwy 7. Turn left to hdg 062. land rwy 7 . Field Elevation 20'	5500
A-033	Wellington to Ohakea	NZWN - NZOH	87	Depart rwy 34, Continue rwy hdg 341 track TY NDB 234.0 . Turn to hdg 017 track PM NDB 258.0 Continue hdg 017 past NDB. Set VOR 111.10, course radial 268 for ILS rwy 27. When needle centers (fix01) turn to 268 and land rwy 27. Field Elevation 161'	3500

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A-034	Bundaberg to Gladstone	YBUD - YGLA	87	Depart rwy 32. Turn to hdg 308, Track GLA NDB 236.0 set NDB course radial to hdg 308. When NDB needle points to 280 turn right to hdg 280. Land rwy 28 . Field Elevation 62'	4500
A-035	Gladstone to Bundaberg	YGLA - YBUD	87	Depart rwy 10, turn right to hdg 126. Track BUD NDB 266.0 . Land rwy 14. Field elevation 105'	3500
A-036	Whangarie to Auckland	NZWR - NZAA	88	Depart rwy 6, turn right to hdg 137, track HD NDB 334.0. Set VOR 109.90 course radial 232 for ILS rwy23. When needle centers turn left to 232. Land rwy 23. Field Elevation 22'	3500
A-037	Bowen to Mackay	YBWN - YBMK	88	Depart rwy 22, turn right to hdg137. Track PN VOR 113.70 Turn to hdg 130 Track MK VOR 112.70 . Land rwy 14 Field Elevation 16'	3500
A-038	Mackay to Bowen	YBMK - YBWN	89	Depart rwy 32, hdg 310. Track PN VOR 113.70, turn to hdg 318 track BWN NDB 292.0. Land rwy 30. Field Elevation 22'	4500
A-039	Griffith to Wagga	YGTH - YBWG	89	Depart rwy 24. Turn left to hdg 164. Track GTH NDB 305.0 Turn to hdg 127, track NAR VOR 116.30. Turn to hdg 110, track WG VOR 115.0 , land rwy 12 . Field elevation 722'	5500
A-040	Auckland to Whangarie	NZAA - NZWR	90	Depart rwy 5, continue rwy hdg. Track HD NDB 334.0,Turn left to hdg 315 track SF NDB 366.0, Continue on hdg 311 set WR NDB 326.00 set NDB radial to 311. When NDB needle points to 065 turn right to 065. (fix01) Land rwy 6 . Field Elevation 131'	4500
A-041	Sydney to Williamtown	YSSY - YWLM	90	Depart rwy 34L, turn to hdg 012. Follow coast North, Track PEC NDB 203.0. Turn to Hdg 047 set VOR 110.50/BC course radial 298 for ILS rwy 30, when needle centers , turn left and land rwy 30. Field Elevation 30'	3500
A-042	Longreach to Winton	YLRE - YWTN	92	Depart rwy 4, Turn left to hdg 306. Track WTN NDB 386.0 Land rwy 32. Field Elevation 636'	4500
A-043	Winton to Longreach	YWTN - YLRE	92	Depart rwy 14. Turn left to hdg 123. Set LRE NDB 353.0 NDB radial to hdg 123 . When NDB needle points to 220 turn right to 220 , Land rwy 22. Field Elevation 627'	3500
A-044	Townsville to Bowen	YBTL - YBWN	94	Depart rwy 1. Turn right to hdg 112. Track BWN NDB 292.0. Land rwy 12. Field Elevation 22'	3500
A-045	Bowen to Townsville	YBWN - YBTL	94	Depart rwy 30 turn to hdg 301.Continue North on hdg 301 keeping coast to left hand side. Set VOR 109.30/BC course radial 196 for ILS rwy 19. When needle centers turn to 196 land rwy 19 Field Elevation 16'	4500

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A-046	Rotorua to Auckland	NZRO - NZAA	104	Depart rwy 1, turn left to hdg 299. Track RD NDB 314.0 Continue hdg 298 track HD NDB 334.0 Set VOR 109.90 course radial 232 for ILS rwy 23 when needle centers turn left to 232 and land rwy 23 . Field Elevation 23'	4500
A-047	Wangaratta to Melbourne	YWGT - YMML	108	Depart rwy 18. Turn right to hdg 215. Track SBG NDB 413.0. Turn to hdg 219 Track BOL NDB 362.0 . Set VOR 109.70 course radial 160 for ILS rwy 16. When VOR needle centers, turn left to 160 and land rwy 16. Field Elevation 433'	4500
A-048	Quilpie to Charleville	YQLP - YBCV	109	Depart rwy 9. Turn to hdg 073 . Set CV NDB 269.0. Set NDB radial to 073. When Needle points to 125, turn right to hdg 125 . Land rwy 12, Field Elevation 1000	5500
A-049	Port Pirie to Adelaide	YPIR - YPAD	114	Depart rwy 17,Turn to hdg 175. Track ARS NDB 398.0 Turn left to hdg 129. Set AD VOR 116.40. Land rwy 12 Field Elevation 20'	3500
A-050	Sydney to Mudgee	YSSY - YMDG	116	Dept rwy 34L. Turn left to hdg 303, and track RIC NDB 347.0. Continue on hdg 305 and track MDG NDB 398.0 Land rwy 34. Field Elevatoin 1541	4500
A-051	Merimbula to Nowra	YMER - YSNW	122	Depart rwy 3 . Turn left to hdg 358 Track MRY NDB 215.0. Continue on hdg 357 , land rwy 3. Field Elevation 396'	4500
A-052	Melbourne to Warnambool	YMML - YWBL	123	Depart rwy 9 Turn to hdg 253 and track YWE NDB 389.0 Turn left to hdg 231 and track WBL NDB 395.0 Land rwy 22 . Field Elevation 239'	4500
A-053	Nowra to Merimbula	YSNW - YMER	123	Depart rwy 21, turn to hdg 186 and track MRY NDB 215.0. Continue on hdg 186 and track MER NDB 395.0 Land rwy 21 Field Elevation 7'	4500
A-054	Port Lincoln to Whyalla	YPLC - YWHA	124	Depart rwy 1, turn to hdg 029 . Track TBB NDB 221.0 Turn to hdg 035, Track WHA NDB 371.0. Land rwy 5 . Field Elevaton 39'	3500
A-055	Deniliquin to Melbourne	YDLQ - YMML	127	Depart rwy 24 Turn left to hdg 182. Track ECH NDB 341.0 Turn left to hdg 168 Track BOL NDB 362.0 Set VOR 109.70 course radial 160 for ILS rwy 16. Follow ILS and land rwy 16 . Field Elevation 344'	4500
A-056	Whyalla to Adelaide	YWHA - YPAD	128	Depart rwy 17, turn left to hdg 159. Track ARS NDB 398.0 . Turn to hdg 129, set AD VOR 116.40 Land rwy12 Field Elevation 20'	3500
A-057	Adelaide to Whyalla	YPAD - YWHA	128	Depart rwy 30. Straight out on hdg 309. Track ARS NDB 398.0 Turn to hdg 339 track WHA NDB 371.0 Land rwy 35 . Field Elevation 35'	4500

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A-058	Melbourne to Deniliquin	YMML - YDLQ	130	Depart rwy 34. Head out on 340. Track BOL NDB 362.0 Turn to Hdg 348, Track ECH NDB 341.0 Turn to hdg 002 track DLQ NDB 392.0 Land rwy 6. Field Elevation 315'	4500
A-059	Canberra to Sydney	YSCB - YSSY	131	Depart rwy 35. Turn right to hdg 030. Track GLB NDB 407.0 Track CN NDB 281.0 Turn right to hdg 065 track GLF NDB 428.0 Set VOR 109.9 course radial 62 for ILS rwy 7 Land rwy 7 . Field Elevation 20'	5500
A-060	Narrabri to Dubbo	YNBR - YSDU	131	Depart rwy 18 . Turn to hdg 194 Track CBB NDB 200.0 Turn to hdg 202 Track DU VOR 114.40 Land rwy 23 Field elevation 931'	4500
A-061	Sydney to Canberra	YSSY - YSCB	132	Depart rwy 25. Turn to hdg 244. Track CN NDB 281.0 turn left to hdg 213 track GLB NDB 407.0 Turn to hdg 231 Set VOR 109.50/BC course radial 168 for ILS rwy 17 When ILS needle swings to center turn to 168 and land rwy 17. Field Elevation 1886	6500
A-062	Adelaide to Port Lincoln	YPAD - YPLC	133	Depart rwy 30 turn to hdg 268. Set PLC NDB 389.0 . Maintain 268 hdg, until NDB needle points to 330. (fix01) Turn right to hdg 329. Land rwy 33 . Field Elevation 33'	4500
A-063	Broken Hill - Mildura	YBHI - YMIA	138	Depart rwy 23 turn left to hdg 158. Track MIA VOR 113.70 . Land rwy 18, Field Elevation 164'	5500
A-064	Sydney to Taree	YSSY - YTRE	149	Depart rwy 34L. Turn right to hdg 352 . Track CAA NDB 392.0 Turn to hdg 010 track WMD NDB 224.0 Turn to hdg 032 track TRE NDB 371.0 land rwy 4 Field Elevation 36'	5500
A-065	Wellington to Napier	NZWN - NZNR	150	Depart rwy 34. Straight out on 341 hdg. Track TY NDB 234.0. Turn right to hdg 017 Turn right to hdg 031 Track PM VOR 113.40. Keep to 031 hdg . Set NR NDB 354.0 NDB course radial at 031. When NDB needle points to 340 , turn left to 349 hdg and land rwy 34. Field Elevation 3'	5500
A-066	Mackay to Rockhampton	YBMK - YBRK	151	Depart rwy 14. Head straight out on 142. Track RK VOR 116.90 . Land rwy 15 Field Elevation 33'	3500
A-067	Wellington to New Plymouth	NZWN - NZNP	153	Depart rwy 34. Head straight out on 341. Track TY NDB 234.0 Turn to hdg 347 Track WU NDB 382.0 Turn left to hdg 305 Track NP VOR 114.40 Land rwy 32 . Field Elevation 95'	6500
A-068	Townsville to Cairns	YBTL - YBCS	154	Depart rwy 1 Turn left to hdg 329. Track IFL NDB 212.0 Turn to hdg 332 Track CS NDB 364.0 Set VOR 109.50 course radial 332 for ILS rwy 33. Land rwy 33 Field Elevation 10'	6500

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A-069	Taree to Sydney	YTRE - YSSY	154	Depart rwy22 Turn to hdg 211 .Track WMD NDB 224.0 Turn to hdg 190 Track CAA NDB 392.0 Continue on Hdg 187 Track BK 416.0. Set VOR 109.50 course radial 155 for ILS rwy 16R When VOR centers turn left to 155 and Land rwy 16R . Field Elevation 20'	4500
A-070	Cairns to Townsville	YBCS - YBTL	155	Depart rwy 15 Track IFL NDB 212.0 Turn to hdg 142. Set TL VOR 114.10 , course radial 195. When needle centers (Fix01) turn right to hdg 195. Set VOR 109.30/BC, course radial 196 for ILS rwy 19 . Land rwy 19 . Field Elevation 16'	3500
A-071	Darwin to Katherine	YPDN - YPTN	155	Depart rwy 11. Continue rwy hdg . Track HWS NDB 257.0 Turn right to hdg145. Track TN NDB 356.0 . Set VOR 110.70 course radial 134. For ILS rwy 14. Land rwy 14 Field Elevation 443'	5500
A-072	Katherine to Darwin	YPTN - YPDN	156	Depart rwy 32. Continue Hdg 324.Track DN VOR 112.60 . At the same time set HWS NDB 257.0. Turn on NDB ident . When NDB rec'd turn and track HWS NDB . Reset VOR 109.70 course radial 285 for ILS rwy 29. When needle centers turn to 285 (the same time as HWS NDB is passed) and land rwy 29. Field Elevation 102'	4500
A-073	Sydney to Parkes	YSSY - YPKS	156	Depart rwy 25 Turn to hdg 263. Track BK NDB 416.0 Turn to hdg 279 . Track KAT NDB 233.0 Turn to hdg 277 Track ORG NDB 413.0 Continue hdg 277 Track PKS NDB 242.0 Land rwy 29 Field Elevation 1066'	6500
A-074	Bundaberg to Brisbane	YBUD - YBBN	158	Depart rwy 14, maintain rwy hdg and track MYB NDB 248.0. Turn to hdg 151 and track MC NDB 380.0 Continue on 153 hdg, set BN VOR 113.20 course radial 196. Continue until VOR needle centers . Turn to hdg 196 and set VOR 110.10 for ILS rwy 19. Land rwy 19 Field Elevation 10'	5500
A-075	Brisbane to Bundaberg	YBBN - YBUD	158	Depart rwy 1 Turn left to hdg 346 Track MC NDB 380.0 Turn to hdg 331 .Track MYB 248.0 Turn to 320 Track BUD NDB 266.0 Land rwy 32 Field Elevation 105'	4500
A-076	Carnavon to Learmouth	YCAR - YPLM	161	Depart rwy 4 Turn to hdg 009 Track LM VOR 112.40 Land rwy 36 . Field Elevation 16'	5500
A-077	Learmouth to Carnavon	YPLM - YCAR	162	Depart rwy 18. Turn to hdg 189. Track CAR VOR 113.0 Land rwy 22 . Field Elevation 9'	4500
A-078	Parkes to Sydney	YPKS - YSSY	162	Depart rwy 11 Turn to hdg 097. Track ORG NDB 413.0 Continue on 097 Track KAT NDB 233.0 Turn right to hdg 123 track CN NDB 281.0 Turn left to hdg 062 Track GLF NDB 428.0 Set VOR 109.9 course radial 062 for ILS rwy 7 Land rwy 7 . Field Elevation 20'	5500
A-079	Sydney to Dubbo	YSSY - YSDU	170	Depart rwy 34L turn left to hdg 303 Track RIC NDB 347.0 Continue on hdg 305 Track MDG NDB 398.0 Turn left hdg 280 Track DU VOR 114.40 Land rwy 29 Field Elevation 932'	6500

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A-080	Dubbo to Sydney	YSDU - YSSY	175	Depart rwy 11 Turn right to hdg 131 Track BTH NDB 383.0 Turn to hdg 107 Track KAT NDB 233.0 Turn to hdg 104 Track GLF NDB 428.0 Turn left to hdg 062 Set VOR 109.90 course radial 062 for ILS rwy 7 . Land rwy 7 . Field Elevation 20'	5500
A-081	Townsville to Mackay	YBTL - YBMK	179	Depart rwy 19 Turn left to hdg 111 Track BWN NDB 292.0 Turn to hdg 133 Track MK VOR 112.70 Land rwy 14 . Field Elevation 16'	5500
A-082	Auckland to Napier	NZAA - NZNR	180	Depart rwy 23 Turn Left to hdg 152 Track WI NDB 254.0 Turn to hdg 125 Track HN VOR 114.0 Turn left to hdg 121 Set NR VOR 113.80 course radial 165. When needle centers turn right to hdg 165 , land rwy 16 . Field Elevation 3'	7500
A-083	Nadzab to Port Moresby	AYNZ - AYPY	180	Depart rwy 9 . Turn to hdg 117 Track LAE NDB 388.0 Turn right to hdg 170 . Track PY VOR 117.0. At the same time set PRE NDB 395.0 . When PRE NDB rec'd turn to PRE NDB hdg and set VOR 110.10 course radial 139 for ILS rwy 14. When VOR needle centers turn left to 139 and land rwy 14 . Field Elevation 115'	13500
A-084	Port Macquarie to Sydney	YPMQ - YSSY	180	Depart rwy 21 Turn to hdg 201 Track TRE NDB 371.0 Turn to hdg 211 Track WMD NDB 224.0 , Turn to hdg 190 Track CAA NDB 392.0 Turn to hdg 187 Track BK NDB 416.0 Set VOR 109.50 course radial 155 for ILS rwy 16R When VOR needle centers turn left to 155 hdg and land rwy 16R Field Elevation 20'	6500
A-085	Cloncurry to Normanton	YCCY - YNTN	183	Depart rwy 30. Turn right hdg 005. Track NTN NDB 311.0. Set NDB radial to 005 hdg, When NDB needle points to 320 (Fix01) turn left to 320 and land rwy 32 . Field Elevation 72'	5500
A-086	Normanton to Cloncurry	YNTN - YCCY	185	Depart rwy 14 Turn right to hdg 185. Track CCY NDB 264.0 Set NDB radial to 185 hdg. When Needle points to 125 turn Left to 125 hdg and land rwy 12. Field Elevation 614'	6500
A-087	Mildura to Adelaide	YMIA - YPAD	188	Depart rwy 27 Turn to hdg 263 . Track REN NDB 200.0 Turn to hdg 251. Track SFL NDB 257.0 Turn left to hdg 222 Track AD NDB 362.0 Set VOR 109.70 course radial 222 for ILS rwy 23 . Land rwy 23 . Field Elevation 20'	6500
A-088	Napier to Auckland	NZNR - NZAA	190	Depart rwy 34 Maintain rwy hdg. Track NR VOR 113.80. Turn left to hdg 322 Track RO VOR 112.10 Turn to hdg 299 Track RD NDB 314.0 Turn to hdg 298. Track HD NDB 334.0 Set VOR 109.90 course radial 231 for ILS rwy 23. When needle centers turn left to hdg 231 and land runway 23 . Field Elevation 23'	6500
A-089	Bendigo to Mildura	YBDG - YMIA	190	Depart rwy 35. Turn left to hdg 324. Track SWH NDB 407.0 Turn to hdg 304 Track MIA VOR 113.70. Land rwy 27 . Field Elevation 164'	6500
A-090	Mildura to Bendigo	YMIA - YBDG	191	Depart rwy 9 Turn to hdg 124, Track SWH NDB 407.0 Turn to hdg 144 Track BDG NDB 245.0 Land rwy 17 Field Elevation 702'	5500

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A-091	Melbourne to Mt Gambier	YMML - YMTG	194	Depart rwy 27 .Turn to hdg 253. Track YWE NDB 389.0 Turn to hdg 263 track HML NDB 203.0 . Turn to hdg 260 Set MTG VOR 117.0 course radial 176. When needle swings to center turn left to 176 and land rwy 18 . Field Elevation 210'	6500
A-092	Mt. Gambier to Melbourne	YMTG - YMML	195	Depart rwy 36 Turn right to hdg 075 Track HML NDB 203.0 Turn to hdg 074 Track BLT NDB 239.0 Turn to hdg 089 set VOR 109.30 /BC course radial 089 for ILS rwy 9 . Land rwy 9 . Field Elevation 344	5500
A-093	Sydney to Cooma	YSSY - YCOM	195	Depart rwy 16R. Turn to hdg 196 Track WOL NDB 239.0 Turn to hdg 241 Track GLB NDB 407.0 Turn to hdg 199 Track WLE NDB 287.0 Turn left to hdg 179 Track COM NDB land rwy 18 Field Elevation 3103'	6500
A-094	Cooma to Sydney	YCOM - YSSY	196	Depart rwy 36 . Maintain rwy hdg 360. Track WLE NDB 287.0 Turn to hdg 019 . Track GLB NDB 407.0 Turn to hdg 014 . Track BIK NDB 206.0 Turn to hdg 063 . Track GLF NDB 428.0 Continue hdg 063. Set VOR 109.90 course radial 062 for ILS rwy 7 . Land rwy 7 . Field Elevation 20'	5500
A-095	Gladstone to Mackay	YGLA - YBMK	202	Depart rwy 28. Turn to hdg 296. Track RK VOR 116.90 .Turn to hdg 323. Track MK VOR 112.70 . Land rwy 32 Field Elevation 16'	4500
A-096	Mackay to Gladstone	YBMK - YGLA	202	Depart rwy 14. Turn to hdg 143. Track RK VOR 116.90. Turn to hdg 116. Track GLA NDB 236.0. Land rwy 10 Field Elevation 62'	3500
A-097	Wagga Wagga to Sydney	YSWG - YSSY	204	Depart rwy 5. Turn to hdg 029. Track CTM NDB 404.0. Turn to hdg 061 track RUG NDB 257.0. Turn to hdg061 Track BIK NDB 206.0. Turn to hdg 065 GLF NDB 428.0. Set VOR 109.90 course radial 062 for ILS rwy 7 . Land rwy 7 . Field Elevation 20'	5500
A-098	Geraldton to Perth	YGEL - YPPH	205	Depart rwy 21. Turn to hdg 171 Track JNB VOR 112.0. Turn to hdg 152 . Track GIG NDB 372.0. Turn to hdg 149 . Track PEA NDB 340.0 . Continue on 149. Set VOR 109.50 course radial 197 for ILS rwy 21.When needle swings to center turn to 197 and Land rwy 21. Field Elevation 66'	5500
A-099	Perth to Geraldton	YPPH - YGEL	205	Depart rwy 29. Turn to hdg 298. On reaching coastlineTurn right heading in Northly direction and keeping coastline always on the right. Set GEL VOR 113.90 course radial 021. When needle centers, turn to 021 and land rwy 3. Field Elevation 118'	4500
A-100	Sydney to Wagga Wagga	YSSY - YSWG	205	Depart rwy 25. Turn to hdg 242. Track GLF NDB 428.0. Continue 242 hdg Track BIK NDB 206.0. Turn to hdg 245, Track RUG NDB 257.0. Continue hdg 241 and Track CTM NDB 404.0. Turn to hdg 204. Set WG VOR 115.0 ,course radial 231. When needle centers turn to hdg 231 and land rwy 23 . Field Elevation 721'	6500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-101	Wellington to Rotorua	NZWN - NZRO	207	Depart rwy 34. Turn to hdg 341, track TY NDB 234.0, turn to hdg 005 , track OH NDB 218.0, climb to 5500, turn to hdg 359, track RO VOR 112.10. Climb to 6500, Land rwy 1 . Field Elevation 932'	6500
A-102	Melbourne to Wynyard	YMML - YWYY	208	Depart rwy 16, turn to hdg 135, track MB NDB 398.0, turn to hdg 158, track CWS NDB 275.0, continue on hdg 158, track WYY NDB 302.0 Land rwy 9 . Field Elevation 59'	5500
A-103	Adelaide to Mt. Gambier	YPAD - YMTG	209	Depart rwy 12, turn to hdg 130, track LRT NDB 227.0, Continue on hdg 130 , track NRC NDB 287.0, Turn to hdg 167 , track MTG NDB 266. Land rwy 18, Field Elevation 210'	5500
A-104	Rotorua to Wellington	NZRO - NZWN	210	Depart rwy 19, turn to hdg 172, track PM VOR 113.40, turn to hdg 196, track TY NDB 234.0, set VOR 110.30 course radial 161 for ILS rwy 16, Land rwy 16. Field Elevation 39'	6500
A-105	Esperance to Albany	YESP - YABA	221	Depart rwy 11, turn to hdg 248, Keep coastline to the right, set ABA NDB 240.0, with NDB radial pointing to aircraft hdg of 248. When NDB needle points to 318 turn right to 318 and land rwy 32. Field Elevation 232'	6500
A-106	Albany to Perth	YABA - YPPH	223	Depart rwy 32, turn to hdg 349, track PIY NDB 233.0, turn to hdg 296, track JT NDB 281.0, set VOR 109.50/BC course radial 017, for ILS/BC rwy 3. When needle centers turn to 017 and land rwy 3. Field Elevation 65'	6500
A-107	Devonport to Melbourne	YDPO - YMML	223	Depart rwy 24, turn to hdg 329, track CWS NDB 275.0, Turn to hdg 316, track PCK NDB 419.0. Set VOR 109.70, course radial 340, for ILS rwy 34. When needle centers turn to hdg 340 and land rwy 34. Field Elevation 344'	6500
A-108	Adelaide to Broken Hill	YPAD - YBHI	231	Depart rwy 5, turn to hdg 043, track SFL NDB 257.0, turn to hdg 029, track BHI VOR 114.20. Land rwy 5 Field Elevation 955'	7500
A-109	Sydney to Narrabri	YSSY - YNBR	233	Depart rwy 34L, turn to hdg 346, track MQD NDB 404.0, turn to hdg 335, track SCO NDB 209, turn to hdg 324 track GDH NDB 407.0, turn to hdg 313, set NBR NDB 413.0, NDB radial to 313. When NDB needle points to 360, turn right to 360 , land rwy 36. Field Elevation 787'	6500
A-110	Carnavon to Geraldton	YCAR - YGEL	242	Depart rwy 18, turn to hdg 168, set GEL VOR 113.90, course radial 201. When needle centers, turn right to hdg 201 and land rwy 21. Field Elevation 118'	5500
A-111	Geraldton to Carnavon	YGEL - YCAR	242	Depart rwy 3, turn to hdg 348, track CAR VOR 113.0 . Land rwy 36, Field Elevation 10'	4500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-112	Sydney to Coffs Harbour	YSSY - YSCH	243	Depart rwy 34L, turn to hdg 352, track CAA NDB 392.0, turn to hdg 010 , track WMD NDB 224.0, turn to hdg 020 , track KMP NDB 230.0 , turn to hdg 009, track CH VOR 117.0, land rwy 3 , Field Elevation 16'	5500
A-113	Port Headland to Broome	YPPD - YBRM	251	Depart rwy 14, Turn to hdg 051, track BRM NDB 320.0. Set NDB radial to 050, when needle points ot 100, turn right to hdg 100 and land rwy 10. Field Elevation 56'	5500
A-114	Alice Springs to Tennant Creek	YBAS - YTNK	253	Depart rwy 30, turn to hdg 317, track AS NDB 335.0, turn to hdg 359, track TNK VOR 112.90, land rwy 7 . Field Elevation 1234'	6500
A-115	Broome to Port Headland	YBRM - YPPD	256	Depart rwy 28, turn to hdg 231, track PD NDB 260 .Set NDB radial to 230, when needle points to 315 turn to hdg 315, land rwy 32. Field Elevation 33'	6500
A-116	Tennant Creek to Alice Springs	YTNK - YBAS	256	Depart rwy 25, turn to hdg 180, track SPG NDB 362.0 set VOR 109.90 course radial 115 for ILS rwy 12. Land rwy 12 , Field Elevation 1788'	6500
A-117	Sydney to Griffith	YSSY - YGTH	256	Depart rwy 25, turn to hdg 244, track CN NDB 281.0, Turn to hdg 241, track BIK NDB 206.0, turn to hdg 255, track YNG NDB 269.0, turn to hdg 259, track GTH VOR 114.80. Land rwy 36 , Field Elevation 436'	6500
A-118	Nadzab to Wewak	AYNZ - AYWK	258	Depart rwy 27, turn right to hdg 339, and fly to Coastline. At Coastline, turn to hdg 296 and track MAG VOR 116.30 , turn to hdg 303, and track WK VOR 116.60 . Land rwy 28 . Field Elevation 6'	12500
A-119	Canberra to Melbourne	YSCB - YMML	261	Depart rwy 17, continue rwy hdg, track WLE NDB 287.0, turn to hdg 229, track CRG NDB 386.0, continue hdg 225, track MFD NDB 284.0, turn to hdg 223, track EPP NDB 377.0 , set VOR 109.30 course radial 262 for ILS rwy 27 , when needle centers, turn to hdg 262 and land rwy 27. Field Elevation 344'	6500
A-120	Melbourne to Canberra	YMML - YSCB	262	Depart rwy 9, continue rwy hdg and track EPP NDB 377.0. Turn to hdg 044 and track MFD 284.0 , continue hdg and track CRG NDB 386.0, Turn to hdg 049 and track WLE NDB 287.0, continue hdg and set VOR 109.50 course radial 348 for ILS rwy 35. When needle centers, turn right to hdg 348 and land rwy 35. Field Elevation 1886'	5500
A-121	Melbourne to Launceston	YMML - YMLT	263	Depart rwy16, turn to hdg 149, track CWS NDB 275.0, continue hdg 149 , track DPO NDB 281.0, Turn to hdg 097, set VOR 109.50/BC, set course radial 134, for ILS rwy 14. When needle centers, turn right to hdg 134 and land rwy 14 . Field Elevation 561'	5500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-122	Wewak to Nadzab	AYWK - AYNZ	263	Depart rwy 10, turn to hdg 122, track MAG VOR 116.0, climb to 7,500, turn to hdg 115, keep coastline on right hand side, until Saidor airfield, then turn to had 159 , climb to 13,500 track NZ VOR 113.90 , land rwy 9 . Field Elevation 230'	13500
A-123	Launceston to Melbourne	YMLT - YMML	265	Depart rwy 32L, turn to hdg 289, track DPO NDB 281.0, turn to hdg 329, track CWS NDB 275.0, turn to hdg 317 track PCK NDB , 419.0, set VOR 109.70/BC course radial 340 for ILS rwy 34, when needle centers , (Fix01) turn right and land rwy 34. Field Elevation 344'	6500
A-124	Mt.Gambier to Adelaide	YMTG - YPAD	266	Depart rwy 36, turn to hdg 299, track KSC NDB 215.0, turn to hdg 040, set VOR 109.70/BC , course radial 042 for ILS rwy 5 , land rwy 5 . Field Elevation 19'	6500
A-125	Longreach to Cloncurry	YLRE - YCCY	268	Depart rwy 4, turn to hdg 306, track WTN NDB 386.0, turn to hdg 298 , track CCY NDB 264.0, Land rwy 30, Field Elevation 613'	6500
A-126	Sydney to Grafton	YSSY - YGFN	271	Depart rwy 34L, turn to heading 012, track NDB PEC 203.0, turn to hdg 019, track TRE 371.0, turn to hdg 004, track KMP NDB 230.0, turn to hdg 357, track GFN NDB 389.0 , Land rwy 36, Field Elevation 108'	
A-127	Cloncurry to Longreach	YCCY - YLRE	278	Depart rwy 30, continue on hdg 118, track WTN NDB 386.0, turn to hdg 120, set LRE NDB 353.0 radial to 120, when needle points to 220 turn to hdg 216 and land rwy 22. Field Elevation 626'	7500
A-128	Port Headland to Learmouth	YPPD - YPLM	288	Depart rwy 32, Turn to hdg 258, track KA VOR 117.30, Turn to hdg 238, track OLW NDB 245.0, turn to hdg 252, set LM VOR 112.40 course radial to 180 , when needle swings to center turn to hdg 182 , land rwy 18 . Field Elevation 16'	6500
A-129	Kalgoorlie to Perth	YPKG - YPPH	290	Depart rwy 29, turn to hdg 257, Track SCR NDB 221.0, Turn to hdg 260, Track CUN NDB 293.0, Turn to hdg 266, track CKL NDB 200.0, turn to hdg 248, track PRL NDB 352.0, set VOR 109.90, course radial 242, when needle centers, turn to hdg 242, and land rwy 24, Field Elevation 65'	8500
A-130	Perth to Kalgoorlie	YPPH - YPKG	293	Depart rwy 6, maintain rwy hdg , track PRL NDB 352.0, turn to hdg 079, track CUN NDB 293.0, continue 079 hdg and track SCR NDB 221.0, turn to hdg 076, track KG NDB 287.0 Set KG VOR 114.10 , course radial 110, when needle centers, turn to 110 hdg and land rwy 11. Field Elevation 1200'	7500
A-131	Katherine to Gove	YPTN - YPGV	294	Depart rwy 32, turn right to hdg 058, track GV VOR 114.10, land rwy 13, Field Elevation 177'	7500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-132	Adelaide to Ceduna	YPAD - YCDU	295	Depart rwy 30, turn to hdg 309, track ARS NDB 398.0, turn to 287, track MPA NDB 200.0, turn to hdg 295, track CDU NDB 293.0. Land rwy 29, Field Elevation 75'	6500
A-133	Learmouth to Port Headland	YPLM - YPPD	295	Depart rwy 36, turn to hdg 042, track BWX NDB 206.0, turn to hdg 083, track KA NDB 404.0, turn to hdg 071, set PD NDB 260.0, NDB radial to 071, when NDB needle points to 140 , turn to hdg 140 , land rwy 14. Field Elevation 32'	7500
A-134	Ceduna to Adelaide	YCDU - YPAD	296	Depart rwy 11 , turn to hdg 115, track MPA NDB 200.0, continue hdg 117, and track ARS NDB 398.0 , turn to hdg 129, track AD VOR 116.40 , land rwy 12, Field Elevation 20'	7500
A-135	Winton to Emerald	YWTN - YEML	300	Depart rwy 14, turn to hdg 113, track BAR NDB 332.0, turn to hdg 082, track EML NDB 324.0 , land rwy 6, Field Elevation 623'	7500
A-136	Brisbane to Rockhampton	YBBN - YBRK	301	Depart rwy 1, turn to hdg 346, track MC NDB 380.0, turn to hdg 341, track HBA NDB 200.0, turn to hdg 300, track BUD NDB 266.0, turn to hdg 306, track GLA NDB 236.0, turn to hdg 296, track RK VOR 116.90 , land rwy 33 , Field Elevation 33'	6500
A-137	Emerald to Winton	YEML - YWTN	306	Depart rwy 24, turn to hdg 262, track BAR NDB 332.0, turn to hdg 270, track LRE NDB 353.0, turn to hdg 306, track WNT NDB 386.0, land rwy 32, Field Elevation 636'	8500
A-138	Rockhampton to Brisbane	YBRK - YBBN	306	Depart rwy 15, turn to hdg 166, track TNG NDB 446.0, turn to hdg 127, track GAY NDB 284.0, turn to hdg 138, track KCY NDB 392.0, continue hdg 138, track AF NDB 419.0, turn to hdg 017, set VOR 109.50 course radial 016 for ILS rwy 1, land rwy 1 , Field Elevation 9'	7500
A-139	Perth to Esperance	YPPH - YESP	315	Depart rwy 11, turn to hdg 126, track PIY NDB 233.0, turn to hdg 108 , track ESP VOR 114.20, land rwy 11, Field Elevation 469'	7500
A-140	Coober Pedy to Alice Springs	YCBP - YBAS	320	Depart rwy 4, turn to hdg 346, track AS VOR 115.90, at the same time set WAY NDB 372.0 When NDB rec'd track NDB . Set VOR 109.90, course radial 295 for ILS rwy 30, when needle centers turn to 295, land rwy 30, Field Elevation 1788'	8500
A-141	Tennant Creek to Katherine	YTNK - YPTN	323	Depart rwy29, turn to hdg 337, track TN NDB 356.0, land rwy 32 , Field Elevation 442'	8500
A-142	Katherine to Tennant Creek	YPTN - YTNK	323	Depart rwy 14, turn to hdg 157, track TNK VOR 112.90, land rwy 25, Field Elevation 1234'	7500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-143	Melbourne to Hobart	YMML - YMHB	334	Depart rwy 16, turn to hdg 135, track MB NDB 398.0, turn to hdg 158, track CWS NDB 275.0, turn hdg 148, track DPO VOR 116.30, turn to hdg 140, track HB VOR 112.70, at same time set TTR NDB 374.0. When NDB rec'd turn to NDB hdg, Set VOR 109.90, course radial 120 for ILS rwy 12. When needle centers, turn to 120 and land rwy 12. Field Elevation 9'	7500
A-144	Casino to Sydney	YCAS - YSSY	334	Depart rwy 28, turn to hdg188, track PLO NDB 296.0, turn to hdg 211, MSO NDB 326.0, turn to hdg 174, track SGT NDB 290.0, turn to hdg 170, track CAA NDB 347.0, Turn to hdg 187, track BK NDB 416.0, set VOR 109.50, course radial 155 for ILS rwy 16R, when needle swings to center, turn to hdg 155 and land rwy 16R. Field Elevation 20'	8500
A-145	Hobart to Melbourne	YMHB - YMML	335	Depart rwy 30, maintain rwy hdg, track TTR NDB 374.0, turn to hdg 324, track DPO VOR 116.30, turn to hdg 328, track CWS NDB 275.0, turn to hdg 317, track PCK NDB 419.0, set VOR 109.70/BC course radial 340 for ILS rwy 34, when needle centers , (Fix01) turn right and land rwy 34. Field Elevation 344'	8500
A-146	Alice Springs to Coober Pedy	YBAS - YCBP	338	Depart rwy 12, maintain rwy hdg, track WAY NDB 372.0, turn to hdg 156, track OOD NDB 308.0, turn to hdg 197, track CBP NDB 341.0, land rwy 22, Field Elevation 738'	7500
A-147	Burketown to Winton	YBKT - YWTN	341	Depart rwy 21, turn to hdg 138, track JLC NDB 206.0, continue 138 hdg, track WTN NDB 386.0, land rwy 14, Field Elevation 636'	7500
A-148	Winton to Burketown	YWTN - YBKT	343	Depart rwy 32, turn to hdg 316, track JLC NDB 206.0, turn to hdg 318, track BKT NDB 236.0, land rwy 3, Field Elevation 20'	8500
A-149	Cairns to Weipa	YBCS - YBWP	345	Depart rwy 33, turn to hdg 322, track BUC NDB 380.0, turn to hdg 335, track CKN NDB 260.0, turn to hdg 303, track COE NDB 404.0, turn to hdg 307, track WP VOR 112.80, land rwy 30, Field Elevation 66'	8500
A-150	Weipa to Cairns	YBWP - YBCS	345	Depart rwy 12, turn to hdg 127, track COE NDB 404.0, turn to hdg 123 , track CKN NDB 260.0, turn to hdg 155 track BUC NDB 380.0, set VOR 109.90 course radial 149, for ILS rwy 15, when needle centers, turn to 149 and land rwy 15, Field Elevation 10'.	7500
A-151	Parkes to Broken Hill	YPKS - YBHI	349	Depart rwy 11, turn to hdg 263, track CDO NDB 401.0, turn to hdg 273, track BHI VOR 114.20, land rwy 32, Field Elevation 955'	8500
A-152	Broken Hill to Parkes	YBHI - YPKS	349	Depart rwy 5, turn to hdg 093. set BHI VOR114.20 for back Course 273, track CDO NDB 401.0, turn to hdg 084 track PKS NDB 242.0, land rwy 4 , Field Elevation 1066'	7500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-153	Gove to Darwin	YPGV - YPDN	350	Depart rwy 31, turn to hdg 270, track MGD NDB 401.0, turn to hdg 259, track HWS NDB 257.0, turn to hdg 285, set VOR 109.70 course radial 285 for ILS rwy 29. Land rwy 29 . Field Elevation 101'	8500
A-154	Melbourne to Adelaide	YMML - YPAD	360	Depart rwy 27, turn to hdg 269, track BLT NDB 239.0, turn to hdg 293, track HSM NDB 401.0, continue hdg 293, and track TBD NDB 242.0, turn to hdg 295, and track PF NDB 416.0, Set VOR 109.70, course radial 222, for ILS rwy 23, when needle centers turn left to 222 and land rwy 23. Field Elevation 20'	8500
A-155	Rockhampton to Townsville	YBRK - YBTL	362	Depart rwy 33, turn to hdg 323, track MK VOR 112.70, turn to hdg 337, track HM VOR 114.40, turn to hdg 287, track BWN NDB 292.0 continue North on hdg of 302, keeping coast to left hand side. Set VOR 109.30/BC course radial 196 for ILS rwy 19. When needle centers turn to 196 land rwy 19 Field Elevation 16'	8500
A-156	Adelaide to Melbourne	YPAD - YMML	365	Depart rwy 12, turn to hdg 104, track TBD NDB 242.0, turn to hdg 111, track NHL NDB 326.0, turn to hdg 092, track BDG NDB 245.0, turn to hdg 141, track BOL NDB 362.0, set VOR 109.70, course radial 160 for ILS rwy 16 , when needle centers turn to 160 and land rwy 16. Field Elevation 344'	7500
A-157	Brisbane to Emerald	YBBN - YEML	366	Depart rwy 1, turn to hdg 301, track KCY NDB 392.0, turn to hdg 318, track GAY NDB 284.0, turn to hdg 308, track TNG NDB 446.0, turn to hdg 283, track EML NDB 324.0, land rwy 33, Field Elevation 623'	8500
A-158	Brisbane to Charlieville	YBBN - YBCV	382	Depart rwy 19, turn to hdg 251, track TWB NDB 386.0, turn to hdg 279, track ROM NDB 377.0, turn to hdg 259 track CV VOR 114.30. Maintain 259 hdg. Set CV NDB 269.0. NDB radial 259. When NDB needle points to 308, turn to hdg 308 and land rwy 30, Field elevation 1001'	8500
A-159	Charlieville to Brisbane	YBCV - YBBN	384	Depart rwy 12, turn to hdg 084, track ROM NDB 377.0, turn to hdg TWB NDB 386.0, turn to hdg 081, track AF NDB 419.0, set VOR 109.50, course radial 017 for ILS rwy 1, when needle centers turn to hdg 017 and land rwy 1, Field elevation 10'	7500
A-160	Emerald to Brisbane	YEML - YBBN	385	Depart rwy 6, turn to hdg 136, track TAM NDB 221.0, turn to hdg 123, track TWB NDB 386.0, track AF NDB 419.0, set VOR 109.50, course radial 017 for ILS rwy 1, when needle centers turn to hdg 017 and land rwy 1, Field elevation 10'	7500
A-161	Melbourne to Sydney	YMML - YSSY	385	Depart rwy 34, turn to hdg 049, track MFD NDB 284.0, turn to hdg 045, track CRG NDB 386.0, turn to 040 , track CB VOR 116.70, turn to hdg 031 track GLB NDB 407.0, turn to hdg 033, track CN NDB 281.0, turn to hdg 065 , track GLF NDB 428.0, set VOR 109.90 course radial 062 for ILS rwy 7 , land rwy 7 , Field elevation 20'	7500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-162	Sydney to Melbourne	YSSY - YMML	392	Depart rwy 25, turn to hdg 244, track CN NDB 281.0, turn to hdg 241, track BIK NDB 206.0, turn to hdg 221, track YAS NDB 335.0, turn to hdg 226, track HBK NDB 323.0, turn to hdg 211, track AY VOR 115.60, turn to hdg 220, track SBG NDB 413.0, turn to hdg 219, track BOL NDB 362.0, set VOR 109.70 course radial 160 for ILS rwy 16, when needle centers turn to 160 and land rwy 16. Field elevation 433'	8500
A-163	Brisbane to Cunnamulla	YBBN - YCMU	401	Depart rwy 19, turn to hdg 251, track TWB NDB 386.0, turn to hdg 249, track SGE NDB 383.0, turn to hdg 260 , track CMU NDB 218.0, land rwy 30 , Field elevation 630'	8500
A-164	Cunnamulla to Brisbane	YCMU - YBBN	406	Depart rwy 12, turn to hdg 081, track SGE NDB 383.0, turn to hdg 070 , track TWB NDB 386.0, track AF NDB 419.0, set VOR 109.50, course radial 017 for ILS rwy 1, when needle centers turn to hdg 017 and land rwy 1, Field elevation 10'	7500
A-165	Brisbane to Sydney	YBBN - YSSY	412	Depart rwy 19, turn to hdg 197, track AF NDB 419.0, turn to hdg 183, track BML NDB 374.0, turn to hdg 189, track GBA NDB 245.0, turn to hdg 196, track ARM NDB 401.0, turn to hdg 180 , track MSO 326.0, turn to hdg 174, track SGT NDB 290.0, turn to hdg 170, track CAA NDB 392.0, turn to hdg 187, track BK NDB 416, set VOR 109.50 course radial 155 for ILS rwy 16R, when needle centers turn to hdg 155 and land rwy 16R . Field elevation 20'	8500
A-166	Coober Pedy to Adelaide	YCBP - YPAD	421	Depart rwy 14, turn to hdg 133, track WR NDB 248.0, turn to hdg 14, track PAG NDB 212.0, turn to hdg 188, track WHA NDB 371.0, turn to hdg 159, track ARS 398.0, turn to hdg 129, land rwy 12 . Field elevation 20'	7500
A-167	Adelaide to Coober Pedy	YPAD - YCBP	422	Depart rwy 30, turn to hdg 309, track ARS NDB 398.0, turn to hdg 339, track WHA NDB 371.0 , turn to hdg 008, track PAG ND 212.0, turn to hdg 324, track WR NDB 248.0, turn to hdg 313 , track CBP NDG 341.0, land rwy 32. Field elevation 738'	8500
A-168	Sydney to Brisbane	YSSY - YBBN	426	Depart rwy 34L, turn to hdg 352, track CAA NDB 392.0, turn to hdg 010, track WMD NDB , climb to 7500, turn to hdg 031, track TRE NDB 371.0, turn to hdg 004 , track KMP NDB 230.0, turn to hdg 009, track CH VOR 117.0, turn to hdg 340, descend to 6500, track GFN 389.0, turn to hdg 350, track CAS NDB 332.0, turn to hdg 341, track BML NDB 374.0, turn to hdg 003, track AF 419.0, set VOR 109.50, course radial 017 for ILS rwy 1, when needle centers turn to 017 and land rwy 1, Field elevation 10'	7500
A-169	Kupang to Darwin	WRKK - YPDN	445	Depart rwy 7, turn to hdg 105, set KPG VOR 112.20, back course 285, Continue on hdg until out of range then track DN VOR 112.60 on hdg of 105. 15 nm from DN VOR, set VOR 109.70 course radial 106 , for ILS rwy 11, land rwy 11. Field Elevation 102'	7500
A-170	Darwin to Kupang	YPDN - WRKK	445	Depart rwy 29, turn to heading 285, set DN VOR 112.60/BC 105 . Continue hdg 285, when DN VOR out of range track KPG VOR 112.20. Land rwy 25. Field elevation 334'	8500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-171	Cairns to Port Moresby	YBCS - AYPY	462	Depart rwy 33, turn to hdg 007, set CS VOR 113.0, /BC 186, continue on 007 hdg, when CS VOR out of range set TVI NDB 350.0 , Set VOR 109.50 course Radial 320, for ILS rwy 32R. When needle centers turn to hdg 320 and land rwy 32R. Field elevation 115'	7500
A-172	Port Moresby to Cairns	AYPY - YBCS	468	Depart rwy 14R, turn to hdg 191, set PY VOR 117.0, /BC 011, continue hdg 191 , track CKN NDB 260.0, turn to hdg 155, track BUC NDB 380.0, set VOR 109.90, course radial 148 for ILS rwy 15, when needle centers turn to 148 and land rwy 15. Field Elevation 10'	8500
A-173	Brisbane to Longreach	YBBN - YLRE	555	Depart rwy 19, turn to hdg 197, track AF NDB 419.0, turn to hdg 274, track BMR NDB 242.0, continue on hdg 275, track ROM NDB 377.0 , turn to hdg 296, track BCK NDB 416.0, turn to hdg 306, track LRE NDB 353.0 land rwy 4, Field Elevation 627'	8500
A-174	Longreach to Brisbane	YLRE - YBBN	557	Depart rwy 22, turn to hdg 125, track BCK NDB 416.0, turn to hdg 116, track ROM NDB 377.0, turn to hdg 099, track TWB NDB 386.0, track AF NDB 419.0, set VOR 109.50, course radial 017 for ILS rwy 1, when needle centers turn to hdg 017 and land rwy 1, Field elevation 10'	7500
A-175	Manila to Davao	RPLL - RPMD	562	Depart rwy 6, maintain rwy hdg, track OL NDB 375.0, turn to hdg 112, track AL NDB 247.0, turn to hdg 126 , track JV NDB 360, turn to hdg 172, track MCT VOR 114.30, turn to hdg 162, track CGO VOR 113.30, turn to hdg 141, track DAO VOR 112.10, land rwy 23, Field elevation 85'	7500
A-176	Darwin to Broome	YPDN - YBRM	618	Depart rwy11, turn to hdg 217, track WYM NDB 372.0, set DN VOR 112.60 /BC 038. Turn to hdg 238, track GIB NDB 392.0 , turn to hdg 242 track CIN VOR 114.30, turn to hdg 254, track BRM NDB 320.0, land rwy 28, Field Elevation 56'	8500
A-177	Broome to Darwin	YBRM - YPDN	629	Depart rwy 10, turn to hdg 064, track DBY NDB 332.0, turn to hdg 068 , track GIB NDB 392.0, turn to hdg 058, track WYM NDB 372.0, turn to hdg 038, track DN VOR 112.60, set HWS NDB 257.0, when NDB rec'd turn to NDB heading , set VOR 109.70 course radial 285 for ILS rwy 29, when VOR needle centers , turn to hdg 285 and land rwy 29. Field Elevation 102'	7500
A-178	Kalgoorlie to Ceduna	YPKG - YCDU	642	Depart rwy 11, turn to hdg 113, track CAG VOR 112.50, turn to hdg 085, track CDU NDB 293.0, land rwy 11, Field elevation 75'	7500
A-179	Ceduna to Kalgoorlie	YCDU - YPKG	642	Depart rwy 29, turn to hdg 265, track CAG VOR 112.50, turn to hdg 292, track KG VOR 114.10, land rwy 29, Field elevation 1201' .	8500

Flight	From/To	Airport Ids	Nm	Description	Cruise
A-180	Sydney to Adelaide	YSSY - YPAD	642	Depart rwy 25, turn to hdg 242, track GLF NDB 428.0, turn to hdg 245, track CN NDB 281.0, turn to hdg 241, track BIK NDB 206.0, turn to hdg 255, track YNG NDB 269.0, turn to hdg 259, track GTH VOR 114.80, turn to hdg 260 , track MIA VOR 113.70, turn to hdg 263, track REN NDB 200.0 , turn to hdg 251, track SFL NDB 257.0, turn to hdg 228, track PF NDB 416.0, set VOR 109.70, course radial 222, for ILS rwy 23, track for ILS and land rwy 23, Field elevation 20'	8500
A-181	Adelaide to Sydney	YPAD - YSSY	644	Depart rwy 5, turn to hdg 043, track SFL NDB 257.0, turn to hdg 071, track REN NDB 200.0, turn to hdg 083, track MIA VOR 113.70, turn to hdg 078, track GTH VOR 114.80, continue hdg 078, track BIK VOR 116.80, turn to hdg 062, track CN NDB 281.0, turn to hdg 065, track GLF NDB 428.0, set VOR 109.90 course radial 062 for ILS rwy 7, land rwy 7 , Field elevation 20'	7500
A-182	Ayers Rock to Kalgoorlie	YAYE - YPKG	652	Depart rwy 31, turn to hdg 253, track WBR NDB 218.0, turn to hdg 234, track LTN NDB 407.0, turn to hdg 201, track KG VOR 114.10, land rwy 29. Field elevation 1201	8500
A-183	Kalgoorlie to Ayers Rock	YPKG - YAYE	666	Depart rwy 29, turn to hdg 020, track LTN NDB 407.0, turn to hdg 054, track WBR NDB 218.0, turn to hdg 052, track GLS NDB 317.0, turn to hdg 089, track AYE NDB 233.0, land rwy 13, Field elevation 1624'	7500
A-184	Darwin to Mt. Isa	YPDN - YBMA	704	Depart rwy 11, turn to hdg 142, track TN NDB 356.0, turn to hdg 130, track CMW 254.0, set VOR MA 117.50. When VOR signal rec'd , track VOR to MT. Isa - Land rwy 16, Field elevation 1119'	7500
A-185	Mt. Isa to Darwin	YBMA - YPDN	720	Depart rwy 34, turn to hdg 294, track CMW NDB 254.0, turn to hdg 326, track MHU NDB 368.0, turn to hdg 319, track NGU NDB 233.0, turn to hdg 298, track DN VOR 112.60, set HWS NDB 257.0, when NDB rec'd turn to NDB hdg. Set VOR 109.70, course radial 285 for ILS rwy 29. When needle centers turn to hdg 285 and land rwy 29. Field elevation 102'	8500
A-186	Brisbane to Mt.Isa	YBBN - YBMA	867	Depart rwy 19, turn to hdg 266, track BMR NDB 242.0, turn to hdg 302, track TAM NDB 221.0, turn to hdg 280, track BCK NDB 416.0, turn to hdg 306, track WTN 386.0, turn to hdg 290, track MA VOR 117.50, land rwy 34, Field elevation 1119'	8500
A-187	Mt. Isa to Brisbane	YBMA - YBBN	874	Depart rwy 16, turn to hdg 110, track WTN NDB 386.0, turn to hdg 113, track BAR NDB 332.0, turn to hdg 109 track TAM NDB 221.0, turn to hdg 104 track KRY NDB 209.0, turn to hdg 133 , track AMB NDB 359.0, turn to hdg 062, track AF NDB 419.0, set VOR 109.50 course radial 017, for ILS rwy 1. Land rwy 1, Field elevation 10'	7500