

**ALICE SPRINGS
AERODROME**

**RUNWAY : 12/30
(CODE 4 RUNWAY)**

Surveyor : Bryan Fitzgerald
Date of Survey : 17/04/2026

AIRPORT SURVEYS
0409 230 650
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Runway Length : 2438 metres
Overall RWS Width : 280 metres
Graded RWS Width : 150 metres

Note: All measurements in metres, except where indicated.
Latitudes and Longitudes are shown in the format dddmmss.ss

TAKE OFF SURFACES:	
180m	Inner Edge
12.50%	Divergence
15000m	Length
2%	Gradient

RWY 12		RWY 30	
TORA:	2438 metres	TORA:	2438 metres
TODA:	2738 metres	TODA:	2738 metres
ASDA:	2438 metres	ASDA:	2438 metres
LDA:	2438 metres	LDA:	2438 metres
Take Off SFC Origin RL:	537.81 AHD	Take Off SFC Origin RL:	544.82 AHD
30 Threshold RL:	537.81 AHD	12 Threshold RL:	544.50 AHD
30 Threshold Displaced:	0m	12 Threshold Displaced:	0m

GDA 2020	
Latitude	Longitude
ARP:	234824.44 S 1335407.77 E
12 Take-Off Splay Origin:	234848.50 S 1335459.63 E
30 Take-Off Splay Origin:	234758.75 S 1335326.98 E

Critical TODA Gradient

APPROACH SURFACES:			
RWY 12		RWY 30	
(Precision Instrument Approach)		(Non-Precision Instrument Approach)	
Inner Edge	280m	Inner Edge	280m
Divergence	15%	Divergence	15%
Length	15000m	Length	15000m
Gradient	2.00%	Gradient	2.00%
Transitional	1 in 7	Transitional	1 in 7

TAKE-OFF	Critical TODA Gradient	1.6% STODA	1.9% STODA	2.2% STODA	2.5% STODA	3.3% STODA	5% STODA
RWY 12	1.20%	-	-	-	-	-	-

TAKE-OFF	Critical TODA Gradient	1.6% STODA	1.9% STODA	2.2% STODA	2.5% STODA	3.3% STODA	5% STODA
RWY 30	1.93%	844	2629	-	-	-	-

Take-Off Runway Number	Surveyed Point Number	Description	Distance from End of Clearway	Height of Obstacle Above Clearway End	Take-Off Gradient to Obstacle	Obstacle RL (m)	Obstacle RL (feet)	Distance from Start of Take-Off	Offset from Runway Centreline	Relationship to Obstacle Limitation Surfaces (Red = Obstruction / Black = Below)			GDA 2020		From ARP	
										2% Take Off grade	2.00% Approach grade	Transitional Surfaces	Latitude	Longitude	MAG BRG°	DIST
12	1	Tree	816.0	8.00	0.98%	545.81	1791	3554.0	45.0 R	-8.3	-13.1		234903.13 S	1335523.74 E	114	2457
12	2	Tree	576.4	6.09	1.06%	543.90	1784	3314.4	93.8 R	-5.4	-10.2		234900.57 S	1335515.56 E	116	2217
12	3	Tree	1339.9	11.95	0.90%	549.76	1804	4077.9	285.7 L	OUTSIDE	-19.7		234902.43 S	1335545.62 E	108	3005
12	4	Tree	550.1	5.65	1.03%	543.46	1783	3288.1	117.1 R	-5.3	-10.1		234900.80 S	1335514.34 E	116	2191
12	5	Bush	99.0	6.24	6.31%	544.05	1785	2837.0	172.6 L	OUTSIDE	-0.5		234845.27 S	1335505.73 E	107	1761
12	6	Wattle	-51.8	5.31	N/A	543.12	1782	2686.2	171.7 R	OUTSIDE		1.0	234852.47 S	1335455.00 E	118	1590
12	7	Tree	-329.5	5.43	N/A	543.24	1782	2408.5	160.3 R	OUTSIDE		2.5	234847.60 S	1335446.72 E	118	1312
12	8	Bush	-258.6	6.43	N/A	544.24	1786	2479.4	176.7 L	OUTSIDE		1.2	234839.30 S	1335454.89 E	104	1409
12	9	Bush	-135.4	4.43	N/A	542.24	1779	2602.6	176.7 R	OUTSIDE		-0.7	234851.24 S	1335452.36 E	119	1507
12	10	Bush	15.6	5.40	N/A	543.21	1782	2753.6	174.6 L	OUTSIDE	0.3		234843.85 S	1335503.22 E	106	1679
12	11	Bush	-293.0	7.47	N/A	545.28	1789	2445.0	215.8 R	OUTSIDE		-3.4	234849.76 S	1335446.85 E	121	1352
12	12	Tree	64.2	8.33	N/A	546.14	1792	2802.2	252.5 R	OUTSIDE		-7.3	234856.64 S	1335457.10 E	121	1712
12	13	Tree	152.2	6.97	4.59%	544.78	1787	2890.2	241.9 R	OUTSIDE		-7.0	234857.79 S	1335459.97 E	120	1798
12	14	Tree	392.9	5.90	1.51%	543.71	1784	3130.9	172.3 L	OUTSIDE	-6.8		234850.10 S	1335514.70 E	108	2052

Take-Off Runway Number	Surveyed Point Number	Description	Distance from End of Clearway	Height of Obstacle Above Clearway End	Take-Off Gradient to Obstacle	Obstacle RL (m)	Obstacle RL (feet)	Distance from Start of Take-Off	Offset from Runway Centreline	Relationship to Obstacle Limitation Surfaces (Red = Obstruction / Black = Below)			GDA 2020		From ARP	
										2% Take Off grade	2.00% Approach grade	Transitional Surfaces	Latitude	Longitude	MAG BRG°	DIST
30	1	Eucalypt	979.0	16.43	1.68%	561.25	1841	3717.0	210.1 R	-3.1	-7.6		234736.81 S	1335300.85 E	303	2395
30	2	Radar Dome	420.8	21.62	5.14%	566.44	1858	3158.8	343.9 R	OUTSIDE		-6.2	234742.20 S	1335320.27 E	310	1870
30	3	Bush on Hill	7863.0	151.30	1.93%	696.12	2284	10601.0	828.6 R	-6.0	-10.4		234526.58 S	1334941.86 E	302	9305
30	4	Eucalypt	682.6	20.76	3.05%	565.58	1856	3420.6	384.4 L	OUTSIDE		-12.5	234758.36 S	1335259.30 E	288	2097
30	5	Eucalypt	686.8	12.75	1.86%	557.57	1829	3424.8	224.7 L	OUTSIDE	-5.5		234753.80 S	1335302.02 E	292	2086
30	6	Eucalypt	769.6	14.00	1.82%	558.82	1833	3507.6	153.1 L	-1.4	-5.9		234750.44 S	1335300.77 E	294	2166
30	7	Eucalypt	986.7	17.95	1.82%	562.77	1846	3724.7	223.7 R	OUTSIDE	-6.3		234736.30 S	1335300.86 E	304	2404
30	8	Eucalypt	787.1	14.76	1.88%	559.58	1836	3525.1	184.6 L	-1.0	-5.5		234751.03 S	1335259.68 E	294	2184
30	9	Approach Light	-1.8	1.09	-60.89%	545.91	1791	2736.2	0.0 R	1.1	-3.4		234758.78 S	1335327.04 E	300	1397
30	10	Approach Light	-91.8	1.09	-1.19%	545.91	1791	2646.2	0.0 L	2.9	-1.6		234800.26 S	1335329.78 E	300	1307

Note: Obstacles 9 and 10 (Approach Lights) are noted in ERSA and are not included in Gradient and STODA calculations.

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AERODROME**

**RUNWAY : 17/35
(CODE 2 RUNWAY)**

Surveyor : Bryan Fitzgerald
Date of Survey : 17/04/2026

AIRPORT SURVEYS
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aau@airport-surveys.com.au

Runway Length : 1133 metres
Overall RWS Width : 90 metres
Graded RWS Width : 90 metres

Note: All measurements in metres, except where indicated.
Latitudes and Longitudes are shown in the format dddmmss.ss

TAKE OFF SURFACES:	
90m	Inner Edge
10%	Divergence
2500m	Length
4%	Gradient

RWY 17	RWY 35
TORA: 1133 metres	TORA: 1133 metres
TODA : 1193 metres	TODA : 1193 metres
ASDA: 1133 metres	ASDA: 1133 metres
LDA: 1133 metres	LDA: 1133 metres
Take Off SFC Origin RL : 542.41 AHD	Take Off SFC Origin RL : 545.19 AHD
35 Threshold RL: 542.41 AHD	17 Threshold RL: 545.19 AHD
35 Threshold Displaced: 0m	17 Threshold Displaced: 0m

GDA 2020		
	Latitude	Longitude
ARP:	234824.44 S	1335407.77 E
17 Take-Off Splay Origin:	234828.89 S	1335312.85 E
35 Take-Off Splay Origin:	234748.14 S	1335311.50 E

Critical TODA Gradient

APPROACH SURFACES:			
RWY 17		RWY 35	
(Non-Instrument Approach)		(Non-Instrument Approach)	
Inner Edge	90m	90m	Inner Edge
Divergence	10%	10%	Divergence
Length	2500m	2500m	Length
Gradient	4%	4%	Gradient
Transitional	1 in 5	1 in 5	Transitional

TAKE-OFF	Critical TODA Gradient	1.6% STODA	1.9% STODA	2.2% STODA	2.5% STODA	3.3% STODA	5% STODA
RWY 17	1.20%	-	-	-	-	-	-

TAKE-OFF	Critical TODA Gradient	1.6% STODA	1.9% STODA	2.2% STODA	2.5% STODA	3.3% STODA	5% STODA
RWY 35	3.95%	657	807	919	1000	1131	-

Take-Off Runway Number	Surveyed Point Number	Description	Distance from End of Clearway	Height of Obstacle Above Clearway End	Take-Off Gradient to Obstacle	Obstacle RL (m)	Obstacle RL (feet)	Distance from Start of Take-Off	Offset from Runway Centreline	Relationship to Obstacle Limitation Surfaces (Red = Obstruction / Black = Below)			GDA 2020		From ARP	
										4% Take Off grade	4% Approach grade	Transitional Surfaces	Latitude	Longitude	MAG BRG°	DIST
17	1	Fence	234.8	1.69	0.72%	544.10	1785	1427.8	15.7 L	-7.7	-7.7		234836.50 S	1335313.65 E	252	1576
17	2	Eucalypt	637.7	4.56	0.72%	546.97	1795	1830.7	64.0 L	-20.9	-20.9		234849.55 S	1335315.79 E	238	1661
17	3	Bush	457.4	5.08	1.11%	547.49	1796	1650.4	78.2 L	-13.2	-13.2		234843.67 S	1335316.10 E	243	1577
17	4	Tree	400.3	6.00	1.50%	548.41	1799	1593.3	95.3 L	OUTSIDE		-12.1	234841.80 S	1335316.64 E	245	1542
17	5	Bush	315.5	3.53	1.12%	545.94	1791	1508.5	38.3 R	-9.1	-9.1		234839.18 S	1335311.83 E	250	1647
17	6	Bush	564.2	4.88	0.87%	547.29	1796	1757.2	44.2 L	-17.7	-17.7		234847.18 S	1335315.01 E	240	1649

Take-Off Runway Number	Surveyed Point Number	Description	Distance from End of Clearway	Height of Obstacle Above Clearway End	Take-Off Gradient to Obstacle	Obstacle RL (m)	Obstacle RL (feet)	Distance from Start of Take-Off	Offset from Runway Centreline	Relationship to Obstacle Limitation Surfaces (Red = Obstruction / Black = Below)			GDA 2020		From ARP	
										4% Take Off grade	4% Approach grade	Transitional Surfaces	Latitude	Longitude	MAG BRG°	DIST
35	1	Gate Post	119.7	3.27	2.74%	548.46	1799	1312.7	0.5 L	-1.5	-1.5		234744.25 S	1335311.35 E	303	2019
35	2	Eucalypt	290.2	10.44	3.60%	555.63	1823	1483.2	88.7 R	OUTSIDE		-4.1	234738.62 S	1335314.32 E	308	2068
35	3	Eucalypt	308.9	12.17	3.95%	557.36	1829	1501.9	56.8 L	-0.2	-0.2		234738.16 S	1335309.16 E	306	2186
35	4	Bush on Hill	7578.8	245.55	3.24%	790.74	2594	8771.8	495.3 R	OUTSIDE	OUTSIDE		234341.36 S	1335320.83 E	347	8808
35	5	Eucalypt	297.3	10.75	3.62%	555.94	1824	1490.3	8.5 L	-1.1	-1.1		234738.49 S	1335310.88 E	307	2143

**ALICE SPRINGS
AERODROME**

TRANSITIONAL SURFACES

Surveyor : Bryan Fitzgerald

Date of Survey : 17/04/2026



Note: All measurements in metres, except where indicated

Runway Number	Surveyed Point Number	Description	Distance from 12 RWS End	Offset from Runway Centreline	Height Above SFC Origin	Height of Transitional Surface	Height of Flyover Plane	Height Difference (Red = Obstruction / Black = Below)	Obstacle RL (m)	Obstacle RL (feet)	Notes	GDA 2020		From ARP	
												Latitude	Longitude	MAG BRG°	DIST
12/30	100	Apron Light - Nth Side	1456	326.7	19.5	26.7	N/A	-7.2	560.14	1838		234813.44 S	1335417.25 E	34	432
12/30	101	Apron Light - Nth Side	1276	285.8	23.7	20.8	N/A	2.8	564.94	1853		234811.63 S	1335411.01 E	9	404
12/30	102	Apron Light - Nth Side	1213	286.0	23.6	20.9	N/A	2.7	564.92	1853		234810.60 S	1335409.09 E	1	427
12/30	103	Apron Light - Nth Side	1147	285.8	23.3	20.8	N/A	2.5	565.05	1854		234809.52 S	1335407.07 E	353	459
12/30	104	Apron Light - Nth Side	1076	282.8	23.7	20.4	N/A	3.3	565.55	1855		234808.44 S	1335404.85 E	346	499
12/30	105	Apron Light - Nth Side	674	365.1	21.3	32.2	N/A	-10.9	564.54	1852		234759.54 S	1335354.05 E	329	859
12/30	106	Apron Light - Nth Side	1014	264.3	21.2	17.8	N/A	3.5	563.17	1848		234807.95 S	1335402.64 E	340	528
12/30	107	Control Tower - Nth Side	955	272.5	21.5	18.9	N/A	2.6	563.56	1849		234806.75 S	1335400.98 E	336	577
12/30	108	Phone Tower - Nth Side	869	380.7	27.7	34.4	N/A	-6.6	570.23	1871		234802.30 S	1335400.27 E	338	713
12/30	109	Phone Tower - Nth Side	928	445.5	32.0	43.6	N/A	-11.6	574.38	1884		234801.45 S	1335403.23 E	345	719
12/30	110	Glide Path - Sth Side	614	-152.1	13.8	1.7	N/A	12.1	557.19	1828		234813.09 S	1335343.02 E	292	783
12/30	111	Bush - Sth Side	716	-181.0	6.6	5.9	N/A	0.8	549.69	1803		234815.57 S	1335345.61 E	289	684
12/30	113	Anemometer - Sth Side	1118	-180.3	9.1	5.8	N/A	3.4	550.79	1807		234822.13 S	1335357.88 E	280	289
12/30	114	Bush - Sth Side	958	-171.7	4.6	4.5	N/A	0.1	546.71	1794		234819.27 S	1335353.15 E	287	443
12/30	115	Desert Oak - Sth Side	1324	-233.5	9.5	13.4	N/A	-3.9	550.61	1806		234827.00 S	1335403.22 E	234	151
12/30	116	Bush - Sth Side	1365	-171.0	4.3	4.4	N/A	-0.2	545.24	1789		234825.93 S	1335405.60 E	229	77
12/30	118	Bush - Sth Side	1772	-181.7	5.2	6.0	N/A	-0.7	545.40	1789		234832.89 S	1335417.82 E	128	385
12/30	119	Bush - Sth Side	1790	-166.0	5.2	3.7	N/A	1.5	545.44	1789		234832.75 S	1335418.65 E	125	400
12/30	120	Bush - Sth Side	1952	-168.4	5.3	4.1	N/A	1.2	545.14	1789		234835.48 S	1335423.57 E	123	561
12/30	121	Bush - Nth Side	1902	179.3	6.6	5.6	N/A	0.9	546.49	1793		234824.88 S	1335428.22 E	87	579
12/30	122	Bush - Nth Side	1622	189.6	7.2	7.1	N/A	0.1	547.61	1797		234820.00 S	1335419.85 E	64	368
12/30	124	Bush - Sth Side	2402	-167.9	3.7	4.0	N/A	-0.3	542.38	1779		234842.83 S	1335437.30 E	120	1009
12/30	127	Bush - Sth Side	2482	-168.4	4.2	4.1	N/A	0.2	542.81	1781		234844.15 S	1335439.72 E	119	1089
12/30	128	Bush - Sth Side	2570	-174.3	5.8	4.9	N/A	0.9	544.03	1785		234845.76 S	1335442.31 E	119	1177
12/30	129	Bush - Sth Side	2706	-160.4	5.2	2.9	N/A	2.3	542.95	1781		234847.60 S	1335446.72 E	118	1312
12/30	130	Wind Ind. - Sth Side	2575	-142.0	5.8	0.3	N/A	5.5	544.02	1785		234844.93 S	1335443.03 E	118	1180
12/30	133	Tree - Nth Side	2456	172.0	6.9	4.6	N/A	2.3	545.40	1789		234834.17 S	1335445.00 E	101	1095
12/30	134	Bush - Nth Side	2481	173.8	8.0	4.8	N/A	3.2	546.58	1793		234834.53 S	1335445.80 E	102	1120
12/30	136	Bush - Sth Side	2054	-159.1	4.7	2.7	N/A	2.0	544.40	1786		234836.88 S	1335426.83 E	121	661
12/30	137	Bush - Nth Side	1647	194.7	8.3	7.8	N/A	0.5	548.75	1800		234820.27 S	1335420.70 E	66	388
12/30	138	Bush - Sth Side	2090	-163.0	4.0	3.3	N/A	0.7	543.78	1784		234837.57 S	1335427.86 E	121	697

Runway Number	Surveyed Point Number	Description	Distance from 18 RWS End	Offset from Runway Centreline	Height Above SFC Origin	Height of Transitional Surface	Height of Flyover Plane	Height Difference (Red = Obstruction / Black = Below)	Obstacle RL (m)	Obstacle RL (feet)	Notes	GDA 2020		From ARP	
												Latitude	Longitude	MAG BRG°	DIST
17/35	1	No surveyed points													