

RAYMOND TERRACE

CLIMATE STATISTICS -

All Data recorded by: Grant Burgess

LOCATION - 140 km N of SYDNEY, & 18.3 km N of NEWCASTLE

Data Since: Jan 1995 Commenced: 01 Jan 1996 Latest: 22 Feb 2016
 Latitude: 32.46 S Longitude: 151.46 E Elevation: 8 m State: NSW

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	No. Yrs	%age Comp
Mean Daily Max Temperature (deg C)	30.47	29.62	27.86	24.50	21.23	18.28	17.98	20.24	23.67	26.08	27.16	28.97	24.65	18	99.9
No. Days, Max >= 30.0 (deg C)	15.17	12.33	8.83	1.39	0.00	0.00	0.00	0.17	2.33	7.67	8.78	12.44	69.11	18	99.9
No. Days, Max >= 35.0 (deg C)	5.94	3.56	1.44	0.00	0.00	0.00	0.00	0.00	0.22	1.44	2.83	4.00	19.44	18	99.9
No. Days, Max >= 40.0 (deg C)	1.17	0.50	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.33	2.72	18	99.9
Highest Max Temperature (deg C) + Day & Year	44.5	44.0	40.0	33.0	29.8	24.6	25.1	30.6	35.7	39.0	42.6	42.4	44.5	18	99.9
	1	21	21	8	4	14	31	23	23	26	30	1	1		
	2006	2004	1998	1998	2007	2004	2014	2012	2003	2014	2004	2004	2006		
No. Days, Max <= 20.0 (deg C)	0.00	0.39	0.22	2.44	10.06	24.44	25.78	15.50	5.56	3.39	2.06	0.33	90.17	18	99.9
No. Days, Max <= 15.0 (deg C)	0.00	0.00	0.00	0.00	0.28	2.33	2.89	1.17	0.39	0.06	0.00	0.00	7.11	18	99.9
No. Days, Max <= 13.0 (deg C)	0.00	0.00	0.00	0.00	0.06	0.22	0.33	0.06	0.00	0.00	0.00	0.00	0.67	18	99.9
Lowest Max Temperature (deg C) + Date	20.4	19.2	18.6	16.1	12.6	11.7	11.5	12.4	13.6	15.0	15.6	19.0	11.5	18	99.9
	17	14	21	20	28	24	28	27	4	22	20	10	28		
	2005	2009	2000	2013	2000	1998	2008	2001	2005	2008	2001	2002	2008		
Mean Daily Min Temperature (deg C)	18.45	18.32	16.48	13.29	10.03	8.13	6.92	7.16	9.77	12.26	15.02	16.89	12.70	18	99.9
No. Days, Min >= 15.0 (deg C)	27.33	25.22	22.61	7.61	1.61	0.28	0.00	0.22	1.94	6.28	16.50	23.28	132.89	18	99.9
No. Days, Min >= 20.0 (deg C)	10.22	7.94	2.61	0.11	0.00	0.00	0.00	0.00	0.00	0.06	1.33	4.78	27.06	18	99.9
No. Days, Min >= 22.0 (deg C)	2.72	1.89	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.56	5.39	18	99.9
Highest Min Temperature (deg C) + Date	24.4	26.4	22.7	20.2	18.3	15.4	14.0	15.7	18.8	20.1	22.8	23.1	26.4	18	99.9
	27	5	8	5	3	30	15	31	29	30	10	20	5		
	2011	2011	2010	2014	2000	2005	1999	2005	2005	2005	2011	2012	2011		
No. Days, Min <= 10.0 (deg C)	0.00	0.06	0.33	3.50	15.33	22.17	26.50	25.39	17.67	7.94	2.72	0.28	121.89	18	99.9
No. Days, Min <= 5.0 (deg C)	0.00	0.00	0.00	0.06	1.00	4.61	7.83	8.78	2.11	0.06	0.00	0.00	24.44	18	99.9
No. Days, Min <= 2.0 (deg C)	0.00	0.00	0.00	0.00	0.00	0.17	1.06	0.44	0.00	0.00	0.00	0.00	1.67	18	99.9
Lowest Min Temperature (deg C) + Date	10.2	9.0	8.3	3.3	2.5	-0.3	-0.7	1.1	2.5	4.1	6.4	7.3	-0.7	18	99.9
	19	18	31	23	16	30	9	13	29	1	4	7	9		
	2010	1998	2008	2006	1999	2010	2014	2005	2003	2010	2003	2002	2014		
Mean Daily Max Relative Humidity (%)	89.64	91.19	92.62	92.56	90.86	90.46	88.75	85.91	87.57	88.55	90.16	88.84	89.79	16	98.4
No. Days, Max >= 90 (%)	15.50	17.80	20.88	20.44	20.56	19.00	18.25	13.80	15.13	15.56	16.00	14.75	206.13	16	98.4
Highest Max Relative Humidity (%) + Date	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	16	98.4
	1	27	1	2	1	9	3	1	2	5	1	2	1		
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000		
Lowest Max Relative Humidity (%) + Date	53.0	54.0	63.0	51.0	49.0	54.0	47.0	31.0	39.0	33.0	53.0	45.0	31.0	16	98.4
	20	9	25	7	21	14	7	26	28	1	14	6	26		
	2010	2002	2011	2006	2002	2002	2011	2009	2009	2007	2004	2002	2009		

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	No. Yrs	%age Comp
Mean Daily Min Relative Humidity													(%)		
	41.77	45.17	45.09	47.28	47.05	51.18	46.47	37.54	34.78	35.15	41.27	39.91	42.71	16	98.4
Highest Min Relative Humidity													(%) + Date		
	100.0	91.0	92.0	100.0	95.0	100.0	100.0	100.0	82.0	96.0	95.0	92.0	100.0	16	98.4
	17	4	24	24	25	3	2	18	5	20	26	27	2		
	2008	2008	2003	2007	2002	2008	2003	2004	2008	2004	2011	2009	2003		
No. Days, Min =< 30													(%)		
	7.69	4.33	3.88	2.81	2.38	0.50	2.44	7.93	11.31	11.88	7.56	7.44	69.50	16	98.4
Lowest Min Relative Humidity													(%) + Date		
	10.0	13.0	14.2	19.4	22.0	25.0	13.0	13.9	9.0	5.0	7.9	10.6	5.0	16	98.4
	24	2	7	29	7	1	10	15	29	30	27	12	30		
	2010	2011	2015	2013	2006	2004	2014	2013	2013	2002	2015	2015	2002		
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Mean Daily Max Dew Point Temperature													(deg C)		
	20.25	20.47	19.22	16.82	13.02	11.09	9.41	9.32	12.37	14.60	17.65	18.74	15.21	16	98.3
No. Days, Max >= 20.0													(deg C)		
	18.25	17.13	13.69	4.44	0.31	0.00	0.00	0.07	0.13	1.13	6.13	11.88	72.38	16	98.3
Highest Max Dew-Point Temperature													(deg C) + Date		
	28.0	26.3	25.8	23.9	21.0	19.9	19.9	20.0	23.1	21.8	25.2	28.5	28.5	16	98.3
	27	15	7	4	16	12	31	13	18	7	23	27	27		
	2011	2010	2004	2009	2007	2008	2010	2003	2009	2008	2009	2015	2015		
Lowest Max Dew-Point Temperature													(deg C) + Date		
	7.5	9.0	7.8	3.8	1.0	0.0	-0.3	0.2	0.5	2.8	6.0	7.6	-0.3	16	98.3
	20	9	31	23	29	15	19	12	28	17	2	21	19		
	2010	2002	2007	2006	2000	2001	2007	2005	2009	2010	2003	2010	2007		
Mean Daily Min Dew Point Temperature													(deg C)		
	13.31	14.04	12.46	9.94	6.47	4.75	2.93	2.13	4.13	6.12	10.08	11.35	8.10	16	98.3
Highest Min Dew-Point Temperature													(deg C) + Date		
	21.8	21.9	20.4	18.9	17.2	15.3	13.3	13.0	14.4	18.3	20.0	19.7	21.9	16	98.3
	16	15	21	2	9	3	31	13	28	31	21	31	15		
	2004	2004	2007	2009	2007	2008	2010	2003	2004	2005	2003	2005	2004		
No. Days, Min =< 10.0													(deg C)		
	5.94	3.53	6.63	13.31	25.88	26.94	30.25	30.47	28.00	24.69	14.06	10.19	217.81	16	98.3
No. Days, Min =< 5.0													(deg C)		
	0.94	0.40	1.13	3.44	10.88	16.06	21.88	25.00	17.06	12.13	3.06	1.94	112.38	16	98.3
No. Days, Min =< 0.0													(deg C)		
	0.13	0.00	0.06	0.50	1.63	3.19	7.00	8.47	4.56	3.63	0.69	0.56	29.88	16	98.3
Lowest Min Dew-Point Temperature													(deg C) + Date		
	-2.2	3.6	-0.3	-3.0	-4.2	-5.6	-8.4	-6.0	-6.6	-7.1	-7.4	-3.0	-8.4	16	98.3
	12	22	28	12	15	9	10	21	28	4	3	10	10		
	2012	2014	2015	2001	2011	2011	2014	2013	2013	2012	2014	2001	2014		
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Mean Daily Max Air Pressure {+1000 to All Values}													(hPa)		
	14.55	15.97	18.62	20.87	21.72	22.25	22.82	21.48	20.32	20.25	17.29	15.33	19.29	12	99.4
No. Days, Max >= 1030													(hPa)		
	0.00	0.00	0.25	1.00	2.17	3.17	4.00	2.50	1.92	1.58	0.00	0.00	16.58	12	99.5
Highest Max Air Pressure													(hPa) + Date		
	1026.0	1026.7	1034.0	1032.0	1034.4	1036.0	1037.0	1036.0	1034.0	1037.5	1029.0	1026.9	1037.5	12	99.4
	19	7	13	12	18	30	20	23	13	9	8	4	9		
	2004	2015	2010	2012	2015	2011	2005	2011	2006	2015	2009	2015	2015		
Mean Daily Min Air Pressure {+1000 to All Values}													(hPa)		
	8.77	10.75	13.43	15.79	16.50	16.63	17.11	15.29	13.21	13.57	11.14	9.28	13.46	12	99.2
No. Days, Min =< 1000													(hPa)		
	2.67	1.17	0.42	0.33	0.25	0.83	0.17	0.67	1.00	0.83	1.54	2.38	12.33	12	99.2
Lowest Min Air Pressure													(hPa) + Date		
	989.0	989.0	998.0	998.0	995.6	995.0	999.0	996.0	993.0	989.0	988.0	991.0	988.0	12	99.2
	8	3	23	6	4	9	6	15	23	16	23	14	23		
	2004	2005	2011	2006	2014	2007	2007	2004	2009	2010	2008	2008	2008		

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	No. Yrs	%age Comp
Mean Daily Max Heat Index Temperature (deg C)															
	32.11	31.29	29.19	25.84	23.18	19.08	18.60	21.23	24.20	26.61	28.64	30.01	25.80	12	99.0
No. Days, Max >= 30.0 (deg C)															
	18.50	15.67	11.17	2.00	0.00	0.00	0.00	0.00	1.00	6.92	10.15	14.08	79.33	12	99.1
No. Days, Max >= 35.0 (deg C)															
	8.92	6.17	2.58	0.00	0.00	0.00	0.00	0.00	0.00	0.83	3.69	4.92	27.00	12	99.1
No. Days, Max >= 40.0 (deg C)															
	1.67	2.08	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.08	5.83	12	99.1
Highest Max Heat Index Temperature (deg C) + Date															
	51.1	46.5	42.2	34.2	28.6	24.8	25.3	28.6	33.5	38.4	44.7	47.2	51.1	12	99.0
	26	2	9	3	4	14	18	23	29	26	20	26	26		
	2011	2006	2004	2014	2007	2004	2013	2012	2004	2014	2009	2015	2011		
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Mean Daily Min Grass Temperature (deg C)															
	17.07	16.70	14.62	10.89	6.67	4.68	2.91	3.23	6.34	9.54	13.51	15.07	10.00	12	93.0
Highest Min Grass Temperature (deg C) + Date															
	22.8	23.6	21.3	19.6	17.4	15.5	12.4	13.3	16.1	18.4	20.7	21.9	23.6	12	93.0
	9	5	6	5	3	4	31	30	29	29	27	20	5		
	2011	2011	2010	2014	2015	2008	2010	2009	2012	2008	2009	2012	2011		
No. Days, Min =< 10.0 (deg C)															
	0.91	0.36	2.42	10.50	25.08	24.00	28.07	28.86	24.29	16.00	4.92	2.00	170.58	12	93.4
No. Days, Min =< 5.0 (deg C)															
	0.00	0.00	0.00	1.58	9.23	15.29	21.86	22.43	9.86	3.50	0.00	0.00	82.42	12	93.4
No. Days, Min =< 2.0 (deg C)															
	0.00	0.00	0.00	0.17	2.23	6.43	11.29	12.57	3.07	0.25	0.00	0.00	34.50	12	93.4
No. Days, Min =< 0.0 (deg C)															
	0.00	0.00	0.00	0.08	0.31	1.21	4.71	4.36	0.93	0.00	0.00	0.00	9.33	12	93.4
Lowest Min Grass Temperature (deg C) + Date															
	7.7	7.6	5.6	-1.2	-2.5	-3.6	-6.4	-4.7	-2.4	1.7	5.5	7.0	-6.4	12	93.0
	19	4	31	23	9	30	12	13	28	3	6	6	12		
	2010	2005	2008	2006	2006	2010	2002	2005	2003	2012	2013	2013	2002		
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Mean Daily Maximum Wind Gust (km/h)															
	32.35	30.39	28.53	26.84	24.89	24.43	27.51	30.40	31.39	32.19	33.59	33.38	29.47	12	94.7
Mean Wind Direction for Max Wind Gusts (8 Compass Points)															
	S	S	S	S	NW	NW	NW	NW	S	S	S	S	S	12	86.5
No. Days, Max >= 30.0 (km/h)															
	16.62	12.38	10.38	8.54	7.33	6.38	11.00	13.50	13.92	15.21	15.71	16.57	144.83	14	91.7
No. Days, Max >= 50.0 (km/h)															
	1.38	0.69	0.77	0.62	0.50	0.62	0.92	1.83	2.00	1.86	2.43	2.07	14.83	14	91.7
Highest Maximum Wind Gust (km/h) + Date															
	79.2	63.1	75.6	88.0	61.6	58.4	65.4	64.6	77.7	68.0	67.4	74.9	88.0	12	94.7
	25	24	31	21	23	25	11	11	24	9	24	25	21		
	2004	2013	2015	2015	2015	2014	2008	2012	2009	2006	2008	2004	2015		
Lowest Maximum Wind Gust (km/h) + Date															
	18.7	16.2	10.1	10.8	10.8	7.9	10.1	10.8	11.9	17.5	12.6	15.5	7.9	12	94.7
	4	6	28	28	24	19	26	12	19	18	10	3	19		
	2001	2008	2003	2003	2000	2003	2001	2003	2006	2008	2008	2002	2003		
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Mean Daily Wind Run (km)															
	185.93	173.09	148.20	125.17	107.05	112.74	119.34	137.41	139.30	155.78	166.85	173.38	140.96	8	92.9
No. Days, Max >= 200.0 (km)															
	10.00	7.63	5.56	3.56	2.75	3.33	4.44	6.22	5.11	7.40	9.50	10.10	73.88	10	87.2
No. Days, Max >= 300.0 (km)															
	1.88	0.75	0.89	0.33	0.25	0.44	0.56	0.78	0.89	0.90	1.60	1.40	10.00	10	87.2
Highest Daily Wind Run (km) + Date															
	421.1	355.9	420.5	571.8	382.6	363.7	481.7	358.4	488.6	456.7	436.6	444.5	571.8		92.9
	22	5	2	21	4	25	19	19	8	2	5	12	21		
	2008	2014	2013	2015	2014	2014	2004	2012	2006	2004	2013	2014	2015		
No. Days, Min =< 100.0 (Km)															
	3.63	5.38	9.33	14.11	15.13	12.78	13.89	10.22	9.67	7.00	5.40	4.60	112.13	10	87.2
No. Days, Min =< 50.0 (Km)															
	0.38	0.88	3.33	5.89	7.25	7.67	6.11	5.11	3.56	1.70	1.40	0.80	44.25	10	87.2
Lowest Daily Wind Run (km) + Date															
	36.6	41.5	13.8	7.6	3.5	2.2	4.4	4.7	1.8	18.0	13.2	28.9	1.8	8	92.9
	23	21	30	12	29	2	22	10	15	11	13	28	15		
	2009	2009	2005	2009	2006	2009	2009	2009	2006	2006	2006	2009	2006		

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	No. Yrs	%age Comp
Mean Daily Min Wind Chill Temperature (deg C)															
	16.45	16.52	14.48	10.98	6.97	4.42	2.41	2.80	6.55	9.55	12.54	14.76	9.86	12	94.1
Highest Min Wind Chill Temperature (deg C) + Date															
	23.8	24.0	21.0	19.3	16.0	14.0	12.0	12.7	17.0	20.0	20.6	22.0	24.0	12	94.1
	24	16	22	4	2	2	26	25	23	4	27	1	16		
	2009	2004	2007	2009	2000	2003	2006	2009	2003	2008	2009	2004	2004		
No. Days, Min =< 10 (deg C)															
	0.31	0.50	2.77	10.38	26.08	27.15	30.46	30.17	25.15	17.21	7.50	2.86	179.50	14	91.2
No. Days, Min =< 5 (deg C)															
	0.00	0.00	0.15	1.46	9.67	17.46	24.23	23.50	11.54	3.07	0.71	0.07	88.42	14	91.2
No. Days, Min =< 0 (deg C)															
	0.00	0.00	0.00	0.15	1.17	4.54	8.54	6.92	1.23	0.36	0.07	0.00	20.33	14	91.2
Lowest Min Wind Chill Temperature (deg C) + Date															
	8.1	7.2	4.2	-2.0	-3.6	-5.3	-10.1	-8.5	-3.6	-4.4	0.0	4.9	-10.1		94.1
	30	3	27	23	14	25	9	12	1	15	16	6	9		
	2015	2013	2015	2006	2015	2012	2014	2015	2012	2014	2006	2013	2014		
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Rainfall (mm)															
	70.4	128.6	116.1	144.5	118.3	113.2	66.1	53.6	66.7	63.0	101.1	72.6	1122.6	18	100.0
Cumulative Monthly Rainfall (mm)															
	70.4	199.0	315.0	459.5	577.8	691.0	757.1	810.7	877.5	942.2	1048.4	1122.6	1122.6	18	100.0
No. of Rain Days (days)															
	10.83	12.28	12.00	12.61	10.67	11.39	11.22	8.00	8.21	9.05	12.21	11.74	130.44	18	100.0
Highest Recorded Daily Rain (mm) + Date															
	96.6	195.6	80.0	153.8	111.2	198.0	48.6	50.0	88.0	70.4	156.6	105.5	198.0	18	100.0
	18	15	22	21	8	9	22	20	10	24	18	11	9		
	2008	2009	2000	2015	2001	2007	2011	2007	2006	1999	2013	2002	2007		
Highest Recorded Rain Rate (mm/h) + Date															
	171.4	189.5	211.8	211.8	300.0	144.0	105.9	180.0	124.1	211.8	180.0	276.9	300.0	7	100.0
	2010	2010	2011	2015	2009	2009	2010	2014	2015	2013	2013	2015	2009		
No. Days >= 30.0 (mm)															
	0.56	1.22	1.00	1.17	1.17	0.83	0.22	0.33	0.32	0.37	0.42	0.47	8.17	18	100.0
No. Days >= 50.0 (mm)															
	0.17	0.44	0.39	0.44	0.44	0.33	0.00	0.06	0.21	0.11	0.21	0.05	2.89	18	100.0
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No. of Days with Thunderstorms															
	2.89	3.21	2.89	1.84	0.84	0.79	0.58	1.26	1.79	2.79	4.53	5.00	28.42	19	100.0
No. of Days with Distant Thunderstorms															
	6.29	7.53	7.12	3.94	3.24	2.24	2.94	3.76	4.53	5.71	7.88	8.94	64.12	17	100.0
No. of Days with Hail															
	0.10	0.10	0.20	0.10	0.05	0.20	0.10	0.10	0.40	0.35	0.40	0.30	2.40	20	100.0
No. of Days with Dew															
	15.89	17.28	22.50	24.28	23.33	20.44	22.50	20.83	20.17	18.89	16.61	17.44	240.17	18	100.0
No. of Days with Fog															
	3.00	3.72	5.94	7.72	7.28	6.28	5.67	4.72	4.61	3.56	3.11	2.44	58.06	18	100.0
No. of Days with Frost															
	0.00	0.00	0.00	0.11	0.39	1.22	3.33	3.83	0.33	0.00	0.00	0.00	9.22	18	100.0