

Sunshine Coast and Caloundra Airports

Aircraft Noise Information Report

Quarter 1 2016 (January to March)

Version Control

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Sunshine Coast and Caloundra Airports - Aircraft Noise Information Report

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1 Purpose

This report summarises data for Quarter 1 of 2016 (January to March) from Airservices Operational Data Warehouse and Noise Complaints and Information Service for the Maroochydore/Caloundra area (Sunshine Coast and Caloundra Airports).

1.1 Sunshine Coast Airport

Sunshine Coast Airport is located in the geographic centre of the Sunshine Coast approximately 7km to the north of Maroochydore CBD (see Figure 1). During Quarter 1 of 2016 there were around 9,300 arrival and departure aircraft movements at the Airport. Regular passenger transport operations include medium to larger propeller-driven aircraft and medium jets, mainly Boeing 737 and Airbus A320.

The movements above are based on arrival/departures at the airport and have excluded circuits. This is due to the difficulty in accurately reporting on the number of circuits at the airport. Circuits are usually performed by small General Aviation aircraft.

1.2 Caloundra Airport

Caloundra Airport is approximately 2km west of the Caloundra CBD and 20km south of Sunshine Coast Airport (see Figure 1). Flight training activities associated with small fixed wing aircraft and helicopters account for most of the traffic at the airport.

During Quarter 1 of 2016 the number of aircraft that lodged a flight plan with Airservices totalled 400. However the majority of operations at Caloundra Airport take place in uncontrolled airspace outside of Airservices control.

1.3 Teewah Airfield

Teewah Airfield is a small grassed strip on the North Shore of Noosa. Although it has three grass runways it is not suitable for small fixed-wing aircraft. From January 2014, the local council has banned helicopter training at the airfield.

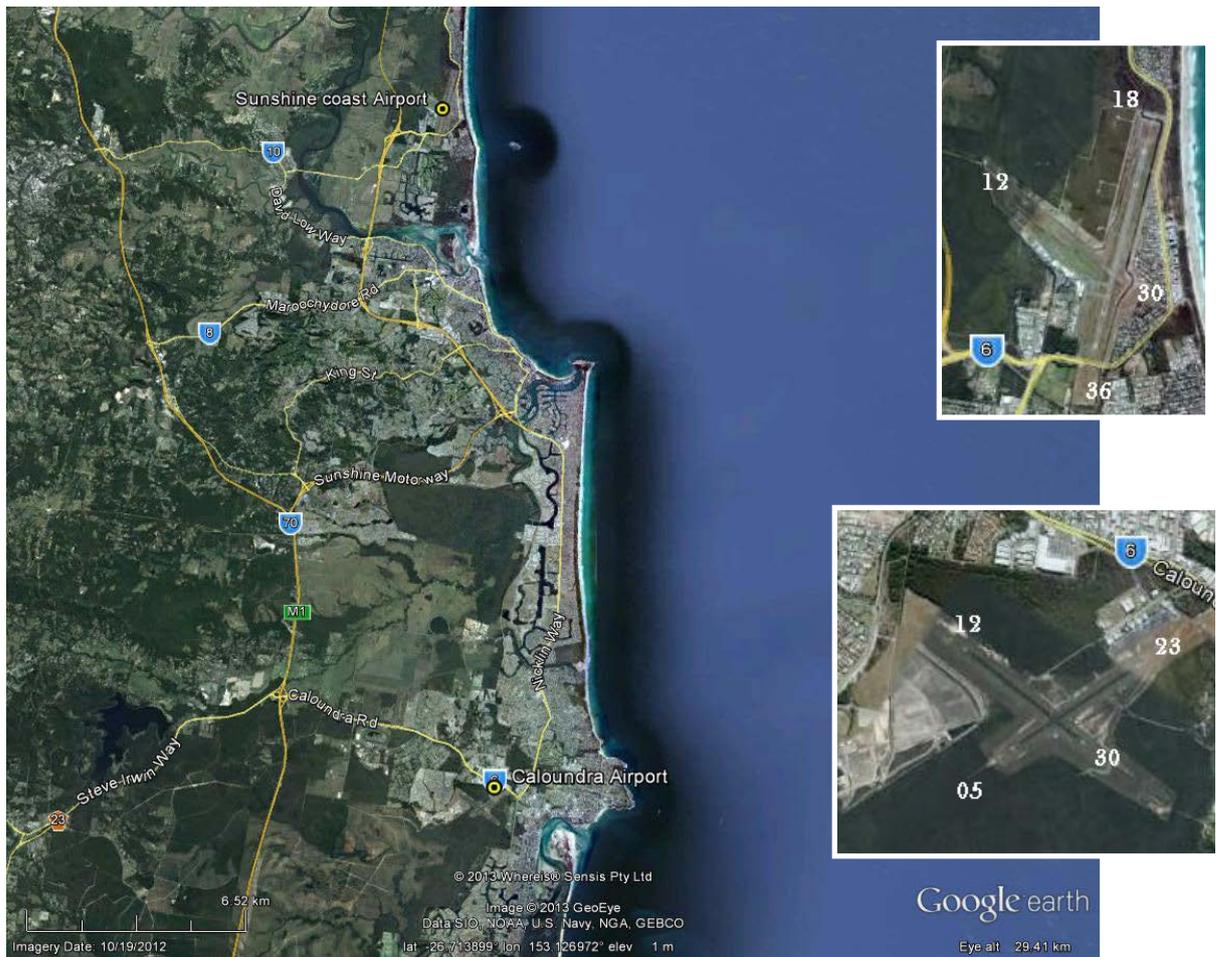


Figure 1: Location and runway orientation of Sunshine Coast and Caloundra Airports

The runways at Sunshine Coast Airport consist of a main runway (18/36) of 1.8km orientated north-south and a 0.65km cross runway (12/30) aligned north/west to south/east.

Caloundra Airport also has two runways, a north/east to south/west (05/23) and a north/west to south/east (12/30) both 0.76km in length.

Information about runway selection is available on the Airservices website at www.airservicesaustralia.com/aircraftnoise/factsheets/

2 Airport Statistics

2.1 Sunshine Coast Airport

Figure 2 below shows aircraft movements at Sunshine Coast Airport for the 12-month period to the end of Quarter 1 of 2016 (and three-year average per month from April 2012 to March 2015).

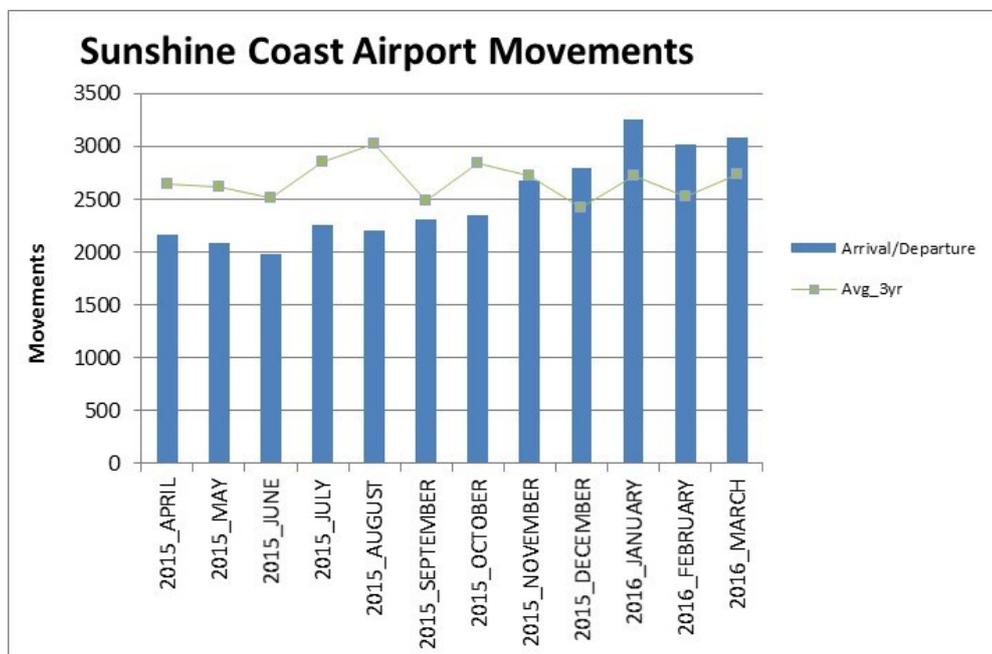


Figure 2: Aircraft movements at Sunshine Coast Airport for the 12-month period to the end of Quarter 1 of 2016 (and three-year average per month from April 2012 to March 2016).

Key points for Figure 2 are:

- Sunshine Coast Airport movements were above the three year average.
- Circuit training movements tend to fluctuate during the year due to the particular training cycles of flying schools.

2.1.1 Smart Tracking

Smart Tracking was introduced at Sunshine Coast Airport during Quarter 4 of 2013. This technology allows more flights to land in poor visibility, resulting in fewer diversions to Brisbane. Smart Tracking arrival procedures are available for both Runway 18 (since 12 December 2013) and Runway 36 (since 17 October 2013) at the airport.

The Smart Tracking approaches are designed to keep aircraft over water for as long as possible (see Figure 3). The approach to Runway 18 overlies existing procedures and the final approach over Marcoola is changed. The Runway 36 approach tracks over the ocean before turning along the Maroochy River. To minimise exposure of residential areas, the flight path tracks over the south side of the river.

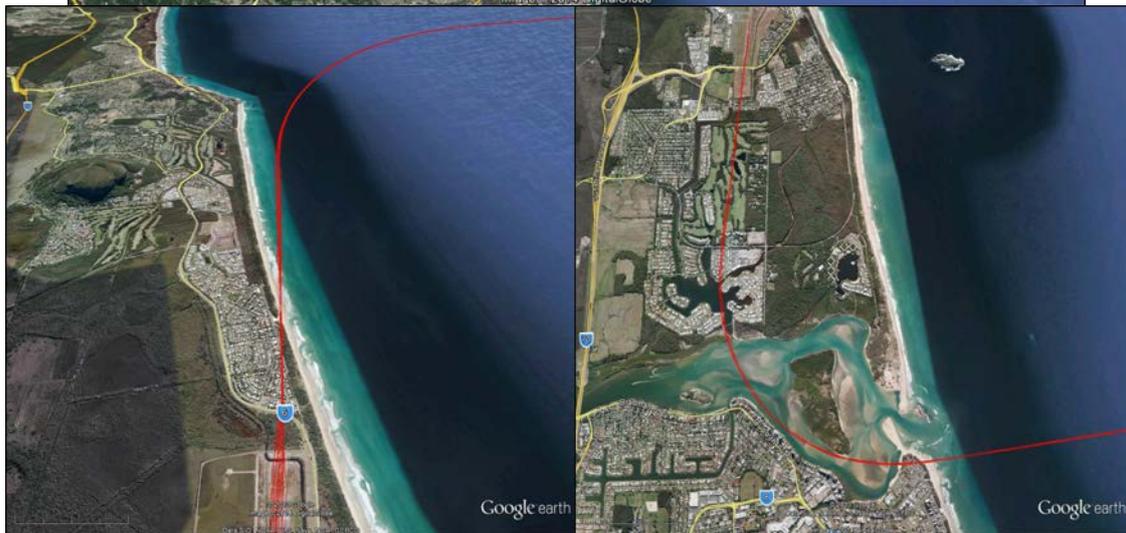
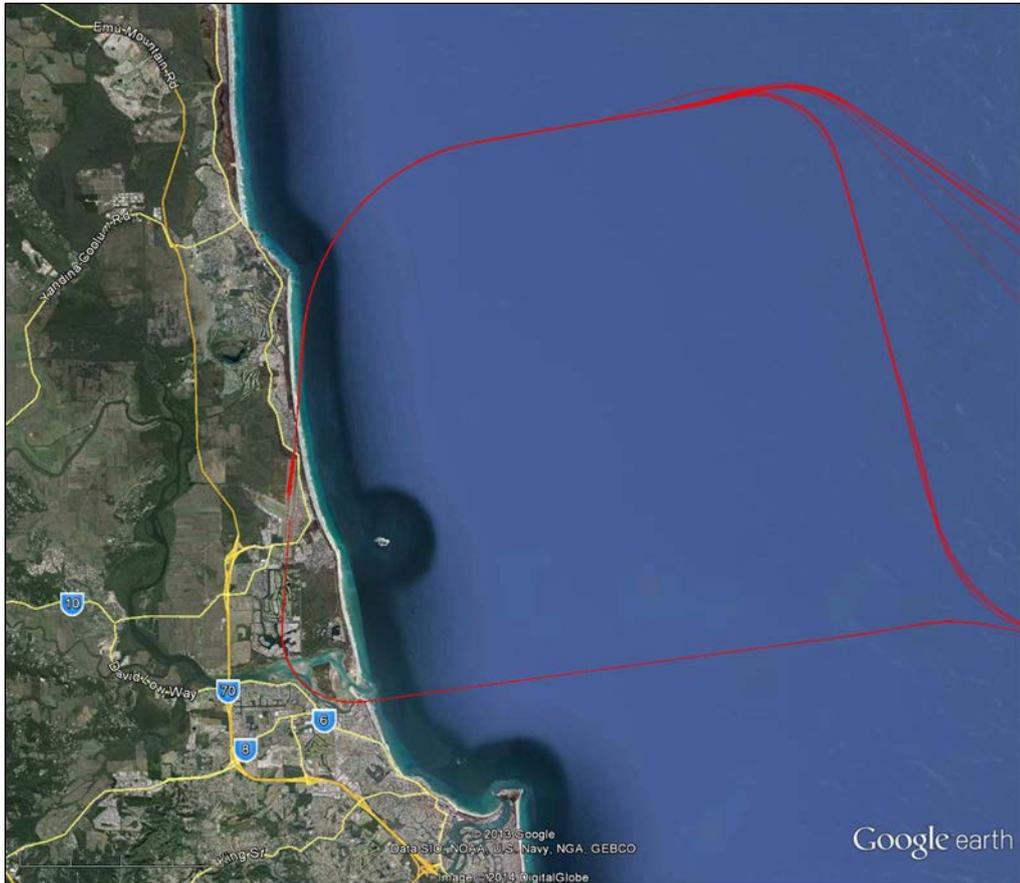


Figure 3: Smart tracking flight paths at Sunshine Coast Airport

Modelling suggested that as a result of Smart Tracking, most parts of Maroochydoore would receive fewer flights resulting in noise over 70 dBA. However, the concentration of tracks resulting from Smart Tracking would lead to a small increase in the number of flights overflying the eastern extreme of Twin Waters, while areas adjoining the Maroochy River might also notice a minor increase in aircraft noise.

3 Complaints data

Airservices manages complaints and enquiries about aircraft noise and operations through its Noise Complaints and Information Service (NCIS). Complaints, enquiries and requests for information about aircraft operations received by the NCIS are collected and stored in a database for the purpose of complaint management, analysis of issues and identification of causal factors. Each complaint, enquiry or request for information is referred to as a contact and each person who makes contact with the NCIS is referred to as a client. For this report, only complainants making complaints have been included.

3.1 NCIS Complainants by suburb

The NCIS received contacts from 28 complainants from Caloundra and Sunshine Coast Airports during Quarter 1 of 2016. Complainant density maps are used to show the number of complainants from each suburb, with suburbs coloured according to how many complainants had contacted the NCIS. The data does not include complainants who contacted other organisations (e.g. airports).

Table 1 and Table 2 provide a breakdown of suburbs for Quarter 1 of 2016 with five or more complainants.

The following data is derived from a dynamic database and is correct as at 15th April 2016 and may change without notification.

Table 1: Greater than five recorded Sunshine Coast complainants by suburb for the last four Quarters

Sunshine Coast Airport				
Suburb	Quarter 2 2015	Quarter 3 2015	Quarter 4 2015	Quarter 1 2016
Marcoola	13	10	5	4
Mudjimba	3	9	5	4
Twin Waters	2	1	5	1
All Other Complainants	11	15	7	9
Total Complainants	29	35	21	18

Table 2: Greater than five recorded Caloundra complainants by suburb for the last four Quarters

Caloundra Airport				
Suburb	Quarter 2 2015	Quarter 3 2015	Quarter 4 2015	Quarter 1 2016
-	-	-	-	-
Total Complainants	2	6	4	10

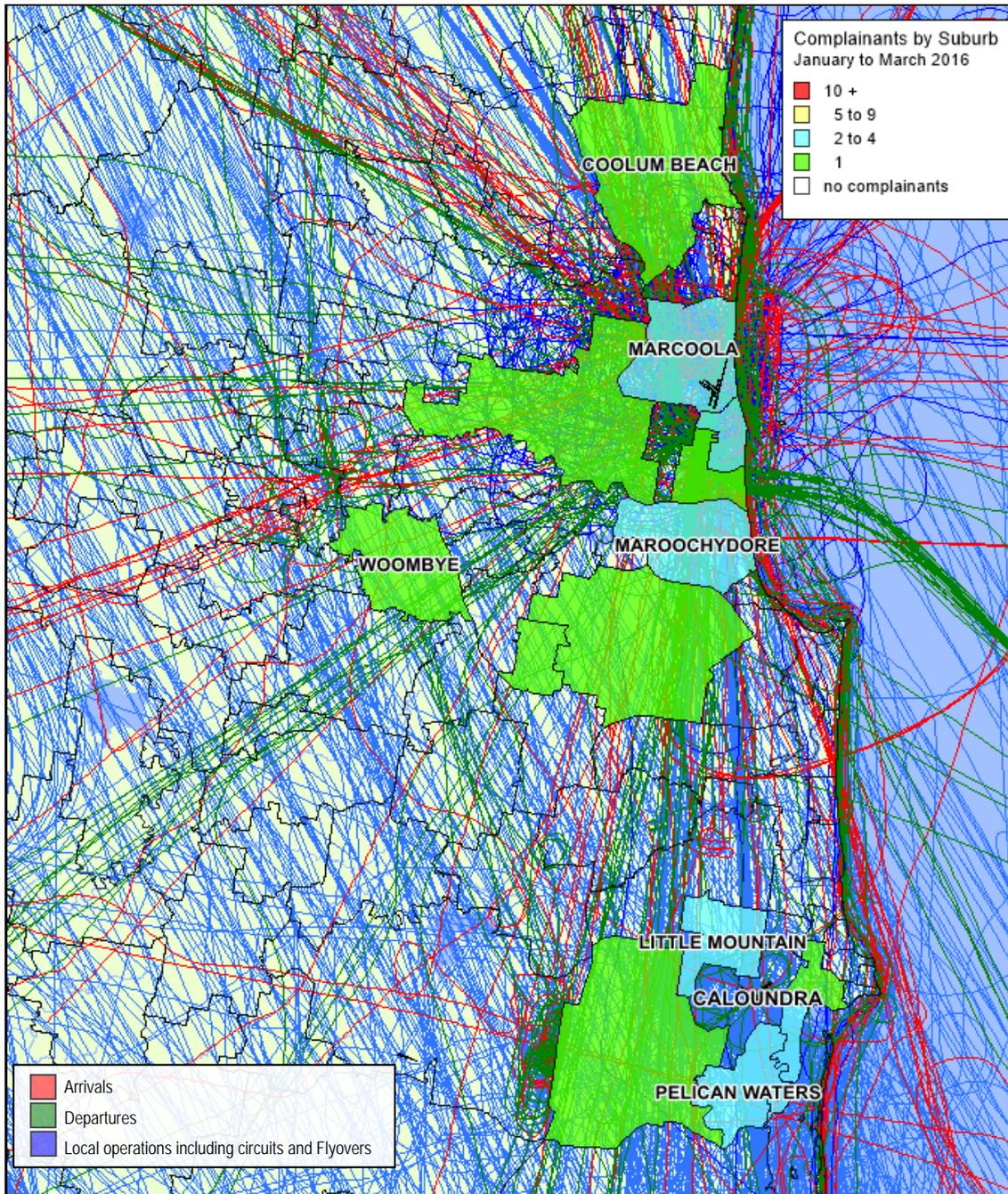


Figure 4: Sunshine Coast and Caloundra Airports Complainant density by suburb for the period January to March 2016 with an overlay of tracks for the sample period 1st to 4th March 2016 for Maroochydore/ Caloundra area

The key points in Table 1 are:

- The total number of complainants continue to decrease slightly.
- Training activities continued to be the main area of concern for Sunshine Coast and Caloundra.
- The complainants from Mudjimba had concerns about aircraft, including helicopter, training noise, and aircraft noise during the night hours.
- Twin Waters complainants issues were mainly about helicopters training.

4 Airservices update

4.1 Sunshine Coast Airport Community and Aviation Forum

Airservices attends the Sunshine Coast Airport Community and Aviation Forum to provide information to the community and assist in discussions on aviation matters. Appendix 1 provides a summary of issues raised by Airservices at Sunshine Coast Airport Community and Aviation forums since June 2015.

4.2 Noise improvements

Airservices has developed a process to investigate aircraft noise improvements across Australia. Working with the community and the aviation industry, Airservices will assess the benefits of noise improvement proposals and implement them if feasible.

Airservices will assess the potential safety, efficiency and environmental impacts of proposals. We will seek community views throughout this process to help inform decisions. Safety remains our top priority and any change would have to meet rigorous air traffic control requirements. This means that it may not be possible to implement some proposals.

Airservices will only implement a new procedure or a trial after a comprehensive community engagement process, including consultation with community forums. We will also discuss potential changes with the aviation industry. Airservices will publish details of any changes to procedures or trials on its website.

4.3 Key Issues and initiatives identified and/or investigated by Airservices

Key issues for this airport include:

- Helicopters
- Training aircraft
- Smart Tracking
- Engine stalls over residential areas

Initiatives identified and/or investigated by ASA include:

- **Flight path implications for the proposed runway realignment**
What technology will be used to manage airspace around the airport?
It is too early in the process to comment - advances in technology over the coming years will likely determine the way that airspace is managed around the airport.
- **Engine stalls over residential areas**
ASA Noise Complaints Information Services Investigators have discussed this with operators. Ongoing.
- **Fly Neighbourly Agreement**
ASA works proactively with the community and operators to achieve noise improvements. In the past 12 months complainants' numbers have decreased from 72 down to 20.

5 Contact us

To lodge a complaint or make an enquiry about aircraft operations, you can:

- go to WebTrak (www.airservicesaustralia.com/aircraftnoise/webtrak/)
- use our online form (www.airservicesaustralia.com/aircraftnoise/about-making-a-complaint/how-to-make-a-complaint/)
- e-mail ncis@airservicesaustralia.com
- telephone 1800 802 584 (freecall) or 1300 302 240 (local call –Sydney)
- fax (02) 9556 6641
- write to, Noise Complaints and Information Service, PO Box 211, Mascot NSW 1460.

Airservices welcomes comments about this report. Please contact us via e-mail at ncis@airservicesaustralia.com if you would like to provide feedback.

Appendix 1 Airservices update

Sunshine Coast Airport Community and Aviation Forum

5 April 2016

Location for two noise monitors were presented and agreed on. One north of the river near golf course, this is over flown by arrivals and departures. The second will be placed in Marcoola near the residential area, where departures tend to turn away from the land mass. Specific locations will be provided once decided and installation will be within the next 6 months along with progressing Webtrak for Sunshine Coast.

8 December 2015

The CACG were presented a demonstration on Webtrak and ANOMS (Airport Noise & Operations Monitoring System) for Sunshine Coast. This will provide accurate monitoring and management of noise and aircraft operations. Sunshine Coast is first to move forward with discussions taking place for potential noise monitor locations in the next six months.

22 September 2015

The meeting was advised that Sunshine Coast Airport will commence Sydney – Sunshine Coast flights from 21 December, offering six services per week. During the summer holiday period they will cater for leisure travellers before a new schedule is created for business-friendly times beginning 8 February 2016. Services will be operated by QantasLink's two-class B717 aircraft.