

# Airport Noise Abatement Consultative Committee (ANACC)



## MEETING MINUTES

**Date:** Thursday, 06 February 2020  
**Time:** 09:00 – 12:00  
**Location:** Twin Towns Services Club - Visions Room

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### 1.0 Opening and Welcome

Chairman, Jared Feehely, opened the meeting at 09:13 and welcomed members and observers to the February meeting.

The Chairman announced that Jemma Bishop no longer works at Gold Coast Airport and as a result Laura Zambon will be assisting until a permanent replacement is recruited.

The committee expressed their thanks to Jemma for her assistance with the committee and asked their thanks be formally noted.

### 2.0 Attendance and Apologies/Proxies

Refer to Attachment 1

#### *2.1 Member nomination update*

The Chair provided an update on the nomination process.

- Garth Threlfall has retired from the ANACC with Paul Baker stepping into this position.
- Audra Topping is stepping down from the ANACC with Anthony Steinfert filling her position from Tugun.
- Confirmed renomination of Lindy Smith, John Hicks, Bill Pinkstone, Peter Barrett, David Gray and John Alcorn.
- Have received no response from Barry Jephcote. The Secretariat has attempted to contact the SECCA group and since no response was received to these enquiries in conjunction with the lack of attendance at prior committee meetings, Gold Coast Airport are assuming that the community group is no longer active or operating.

The Chair noted that the secretariat received limited if any detail on representative organisation/association meetings which was requested as part of the nomination process. Members are to provide this detail to the secretariat for records.

**ACTION:** Committee representatives to provide the secretariat with details on organisation/association meetings i.e. meeting dates, times and location.

The Chair advised that due to no response from Barry Jephcote representing the SECCA group, Gold Coast Airport is considering the potential to provide a seat for both Kingscliff and East Banora/Fingal Heads with East Banora representing themselves and Fingal on the ANACC. This proposal would result in five northern and five southern seats on the committee creating an even representation, which has been a concern of members for some time. Member feedback on the proposal:

- John Alcorn raised concerns regarding a small population like Fingal having a specific representative when there is no one representing areas such as Bilambil and Terranora which have larger populations.
- John Alcorn suggested broadening the membership of existing members allowing other small communities such as Round Mountain or Oxley Cove to be represented by the current members of ANACC. The population of Fingal has changed dramatically in numbers and their concerns should be represented through the Kingscliff representative.
- Lindy supports Fingal having representation because of the proximity to the airport and the forecasted growth which Fingal would be impacted by.
- John Alcorn noted in the past the Fingal community was represented by Kingscliff. John noted that members should consider all resident's issues regardless of their representative area. John noted the ANACC should aim to do the best for all of the communities as a committee and should be looking at the best outcome for the whole community.
- Brett Curtis reiterated that Gold Coast Airport are only proposing to put another voice on the committee. To enable this there needs to be an active association or community group of which there is in Kingscliff and Banora Point. If there are resident concerns in areas that do not have active association or community groups, they can contact the airport, ANAAC Chair or ANACC members.

**MOTION:** The Chair raised a motion to the committee to include a seat for Kingscliff on the ANACC.

Moved by Bill Pinkstone, seconded by John Hicks.

**MOTION:** The Chair raised a motion to include a seat for another southern representative on the ANACC. The exact representative or community group will be determined outside of the February meeting.

Moved by Bill Pinkstone, seconded by Julie Murray.

**ACTION:** Secretariat to facilitate coordination of fifth southern ANACC representative with members to determine most relevant representative organisation.

Larry Woodland (Observer) addressed the ANACC to introduce himself. Larry would like to put his name forward to be the voice for the Fingal area as Helen, due to health reasons, is stepping back from this position. Larry stated this his attention will not just be on Fingal, but the whole district. He has a lot of support from the community and they are very interested and active in this space.

## *2.2 Farewell and thank you to past members*

The Chair noted a farewell and thank you to past members with a special mention to both Garth and Audra for their contribution over their tenure on the committee.

The Chair advised members that the secretariat had received a resignation letter from Rob Anderson at Virgin Australia who is returning to full time flying duties. Members expressed their thanks to Rob for his participation and assistance over the years. The Chair noted Virgin are working through the process for Rob's replacement and should have a new representative for the next ANACC meeting.

**MOTION:** Members raised a motion for the ANACC to write to Virgin Australia and express the committee's gratitude to Rob Anderson for his years of support to the ANACC and the communities they represent.

Moved by Bill Pinkstone, seconded by Julie Murray.

**ACTION:** Secretariat to write to Virgin Australia CEO regarding Rob Anderson's resignation from the committee recognising his contribution.

The Chair also passed on information received from Russell McArthur at the Department of Infrastructure Transport, Cities and Regional Development advising that the Department is currently going through a restructure which may change their representative on the ANACC. Russell noted that the Department will continue to provide reports throughout the restructure process. The secretariat will advise members of the Department's representative once this has been finalised.

### 3.0 Acceptance of Previous ANACC Meeting Minutes

The Chair sought feedback from members on the minutes from the 10 October 2019 meeting.

The minutes were **endorsed and accepted** by the committee.

Following some of the challenges associated with the renomination process members suggested that the ANACC member list is provided at each meeting to ensure the secretariat always holds accurate and current records.

**ACTION:** Secretariat to update the ANACC member list and provide it as part of registration for each meeting to ensure it is up-to-date and current.

John Hicks noted that the attachments were missing from the previous minutes as well as the presentations which had not been sent out, noting they should be sent with the meeting agenda papers.

**ACTION:** The Secretariat to update minutes following the meeting and resend with all of the relevant attachments.

### 4.0 Business Arising from Previous Minutes

Refer to Attachment 2: ANACC Action List<sup>1</sup> for full details of action items.

#### Action Item 2 - Kingscliff Departures

- Discussed later in the meeting at item *8.0 Airservices Australia Reporting*.
- Action item to be **CARRIED TO THE NEXT MEETING**.

#### Action Item 1 - Flight track trial pre/post trial data

- The Chair asked Lindy if she had an update on the action item. Lindy advised there was no update yet.
- Action item to be **CARRIED TO THE NEXT MEETING**.

#### Action Item 5 - Diversion Data

- The Chair noted that Virgin Australia had advised prior to the meeting that diversion data is not practical to provide. Guy Proctor from Jetstar advised that similarly to Virgin this data is not something that they can easily collate and therefore provide.
- Item updated to **CLOSED** on the action list.

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<sup>1</sup> Members will note amendments to the layout, numbering and information provided in the ANACC Action List.

Amendments are intended to make tracking, management and close out of actions easier for the Chair, members and the secretariat. Member understanding is appreciated for editorial errors made in the transition of actions into new format.

#### Action Item 6 - ATC Data and Kingscliff Flight Data

- Discussed later in the meeting at item *8.0 Airservices Australia Reporting*.
- Action item to be **CARRIED TO THE NEXT MEETING**.

#### Action Item 3 - Webtrak

- The Chair asked Lindy if she had an update on the action item. Lindy advised that while there had been some movement on the item there was not enough to close it out. Lindy noted that she is still waiting for a comprehensive response from Airservices.
- The Chair asked Lindy if by virtue of the fact that when signing into Webtrak you acknowledge that information provided may not be 100% accurate does that answer her query, this was deemed to not be sufficient.
- Airservices noted that some aircraft tracks that are deliberately hidden - Defence, Police or government agencies.
- Members acknowledged Airservices point however queried if an RPT aircraft departs Runway 14 and deviates to the east or west by ~500m Webtrak does not display this.
- Airservices confirmed the aircraft locations displayed on Webtrak are reliant on location data received from the aircraft, this location is only updated and displayed in set time intervals. Airservices noted that Webtrak smooths the aircraft's track as it takes snapshots of the path at lesser frequencies than the ATC radar.
- Members queried if when reviewing noise complaints NCIS use Webtrak or ATC radar records. Airservices advised that NCIS will use ATC records for technical reviews.
- Members queried if all future aircraft will be trackable on Webtrak. Airservices advised they cannot answer that but currently a very high percentage are tracked.
- Action item to be **CARRIED TO THE NEXT MEETING**.

**ACTION:** Airservices to confirm the time intervals location data is provided for Webtrak.

#### Action Item 8 - Gold Coast Airport Lease Document

- The Chair advised that it is not appropriate to release the Gold Coast Airport lease document.
- Item updated to **CLOSED** on the action list.

General feedback from members on the action list and process:

- John Alcorn noted that action items need to remain on the action list until they are completed. John advised that there is an action item missing from the current action list in relation to RNAV from approximately two meetings ago.

**ACTION:** John Alcorn to provide detail around RNAV action for committee to confirm if this is closed.

- Members discussed separation of flights out to sea and sought feedback from Airservices regarding how far off the coast they are responsible for. Members noted a pictorial view of what air space Airservices look after would be useful.

**ACTION:** Airservices to provide a map of the areas they are responsible for by the next CACG meeting 04 March 2020 if possible.

**ACTION:** Further to Action Item 17 (above) Airservices to provide a map outlining the airspace the Gold Coast Airport tower is responsible for and the interaction with Defence exclusion zones.

## 5.0 Correspondence

The Chair provided members with a general overview of enquiries for the period with most relating to changes to operations as a result of the bushfires and significant weather events along with standard curfew operations which are expected at this time of the year.

Refer to Attachment 3 for full details.

## 6.0 General Aviation Update

Peter Long of Air Gold Coast provided the committee with an update on General Aviation activity.

Key points included:

- Total flying hours have been down since the last ANACC meeting mostly due to reduced visibility around the region and the Christmas break.
- The three flying schools at the airport are doing off-airport training to share the work around the other aerodromes.
- Moving forward, February and March are normally the wettest part of the year and members can expect a subsequent reduction in activity.
- No specific noise enquiries since the last ANACC meeting.

Further to the General Aviation update, Peter advised members that he coordinates the ANZAC Day flypast on behalf of the RSL Club and will be seeking a curfew dispensation from the Department of Infrastructure for yet to be determined aircraft to take-off at 05:50am ANZAC Day.

**MOTION:** Members raised a motion of support from the Gold Coast ANACC for the Department of Infrastructure to grant a curfew dispensation for ANZAC Day flypast activities.

Moved by Bill Pinkstone, seconded by David Gray.

**ACTION:** Peter Long to email the ANACC Secretariat, Gold Coast Airport and Airservices Australia (Gold Coast Air Traffic Control) to seek a letter of endorsement/support for the curfew dispensation application.

Bill Pinkstone noted that he has received multiple reports from residents regarding consistent business jet movements around 01:00 QLD time, up to three times a week for the last few months. Bill queried if there was a new freight aircraft operating from the airport during curfew. The Chair advised that the airport has recently hosted some light business jets (Learjet) undertaking scanning of bush fire affect areas. It was noted that the DITCRD curfew report notes these Learjet movements.

**ACTION:** Chair to follow-up with Bill outside of the meeting to review jet movements.

## 7.0 Department of Infrastructure Update

The Chair provided the Department of Infrastructure, Transport, Cities and Regional Development update with notes provided ahead of the meeting. Key points included:

- Concerns from the Department that there are too many issues which are not resolved at ANACC and are then being discussed at CACG without full consideration. This duplication contradicts the purpose of the Strategic Work Program.
- Resolution to the doubling up of items covered at ANACC and CACG would leave the Department to be better resourced to discuss individual issues and seek resolution where possible.

The Chair tabled the Department's Curfew Summary report for members consideration. Members queried why dispensations are being granted and these movements are not covered under the quota system. It was clarified that the quota system is for Virgin Australia and Jetstar to operate within.

**ACTION:** Chair to follow-up the Department regarding how the quota system works and what timeline the system is based on (calendar or financial year).

## 8.0 Airservices Australia Reporting

Chris McCormack presented the Airservices Australia update to the committee. Refer to attached slides for full details.

Chris McCormack provided the committee with an overview of ILS usage since the last meeting, noting that 1.3% of all arriving jets used the ILS since it was commissioned. John Hicks requested that the ILS usage data be provided in tabulated form following the meeting.

**ACTION:** Airservices to provide the secretariat with tabulated data on ILS usage for distribution to the committee.

John Alcorn requested more detail around flights using the Runway 32 offset approach in comparison to the environmental assessment undertaken prior to its introduction. Airservices confirmed that the use of this approach has been restricted and therefore usage has been minimal.

**ACTION:** Southern members to discuss and further investigate the restricted use of the Runway 32 offset approach to consider allowing additional flights to use it. Members are to provide feedback at the next ANACC meeting.

Members discussed the Airservices Australia Draft Flight Path Design Principles voicing concerns regarding the community engagement process and recent community workshop held in Surfers Paradise on Monday, 03 February 2020.

**MOTION:** Members requested that the minutes specifically record the dissatisfaction of the committee in the approach Airservices Australia have undertaken in this community engagement process for the draft principles. Members question the credibility of the results due to the approach of the community workshop, particularly in relation to paid participation of some attendees. Members were of the belief that the consultation process should have included the Gold Coast Airport CACG.

Moved by John Hicks, seconded by Julie Murray.

**ACTION:** Secretariat to resend the link to the draft flight path design principles online survey and the email address for written submissions.

Discussion amongst members regarding the management of resident complaints to ANACC representatives and the communication of these complaints or queries through to NCIS.

**ACTION:** Bill Pinkstone to provide the secretariat suggestion regarding resident complaints and the best way of communicating these to NCIS.

Scott Stephens from Airservices Australia spoke to the departures over Kingscliff agenda item and in relation to action items 2 and 6. Scott provided a detailed overview of the process the air traffic controllers follow in the tower outlining the process that precedes any decision a controller makes.

Members discussed as traffic at the airport increases how is Airservices going to resolve conflict in the air. Members sought feedback if the ANACC can support controllers in representation to stop conflicts moving forward or put something in place that avoids conflicts all together.

Airservices noted that while RNP approaches are good they also have restrictions in that once the aircraft commences on the approach controllers cannot move the aircraft.

Members suggested a way to fix this challenge is to redesign the arrival track to be further out over sea. Airservices noted that if the arrivals are moved further out over sea, with aircraft coming in at approximately a 3% angle, they would be higher off the coast and the conflict would still exist but in a different location.

Members queried if there is a Runway 32 arrival that is north of Kingscliff and south of Fingal. Airservices confirmed that that is the offset route, which based on consultation at the time controllers can only use it for north-bound arrivals which is currently only around one flight a day.

Members queried the height range that aircraft departing on track 070 pass over the top of the conflicting flight path and what is the height of the inbound aircraft.

**ACTION:** Airservices to investigate if it is possible to demonstrate the conflict between aircraft departing 070 and arriving aircraft.

Members discussed the noise monitors with southern members requesting the permanent noise monitor at Tweed Heads is reinstated. Airservices advised that following the ILS post implementation review all noise monitors around Gold Coast Airport would be reviewed.

## 9.0 Strategic Work Program

### *9.1 SWP Item 4.11 Management of increasing RPT movements at GCA*

Due to timing this item was omitted.

### *9.2 SWP Item 3.1 There is no validation of noise exposure models used in the Master Plan*

Due to timing this item was omitted.

### *9.3 Strategic Work Program item for the next meeting*

Members agreed to finalise Strategic Work Program items 4.11 and 3.1 at the next meeting with a brief update on both. Members also agreed to continue the discussion regarding departures over Kingscliff in an effort to close these action items.

**ACTION:** John Hicks to submit to the secretariat focus points ahead of the next meeting regarding Strategic Work Program items 4.11 and 3.1 along with departures over Kingscliff.

## 10. ILS Update

Item covered under *Section 8.0 Airservices Australia Reporting*.

## 11. General Business

### *11.1 Departures over Kingscliff*

Item covered under *Section 8.0 Airservices Australia Reporting* and by presentation from Scott Stephens of Airservices Australia.

### *11.2 General discussion and actions*

The Chair noted the continued poor attendance and communication from members, excluding Lindy Smith, for the ANACC Sub-Committee. Discussion amongst members regarding this, with the Chair

determining that if once again there is no response or attendance for the next meeting, the Chair will assume members do not believe the sub-committee is required. Members noted that previously Airservices have participated in the sub-committee meeting and it would be beneficial if Airservices could attend the meetings again.

**ACTION:** Chair to follow up with Airservices to understand if local ATC team are able to participate in ANACC sub-committee meetings.

**ACTION:** ANACC sub-committee members to respond to email correspondence regarding attendance at upcoming meetings.

Anthony Nugent informed members that further to advice at the previous ANACC meeting this would be his last meeting as he is to finish up with Airservices Australia early in 2020. Members expressed their thanks to Anthony for his contribution to the committee during his tenure, and the support he has provided to the Gold Coast and Northern NSW community. Members requested a letter be drafted and forwarded to the Airservices Australia CEO outlining the committee's appreciation.

**ACTION:** Secretariat to write to Airservices Australia CEO regarding Anthony Nugent's retirement from the committee recognising his contribution.

The Chair raised with members the action from the CACG meeting requesting draft ANACC minutes be provided to the CACG ahead of their meeting for context of the discussion at ANACC. Members supported this proposal with the secretariat to provide them in draft ahead of the CACG meeting.

The Chair noted with members that moving forward, all committee correspondence is to be sent to the relevant mailbox - ANACC ([anacc@gcal.com.au](mailto:anacc@gcal.com.au)) and CACG ([cacg@gcal.com.au](mailto:cacg@gcal.com.au)). This will ensure correspondence is addressed in a timely manner.

## 12. Remaining Meeting Dates for 2020

Proposed dates for ANACC 2020 meetings:

- Thursday, 04 June 2020
- Thursday, 15 October 2020

The Chair closed the meeting at 12:40.



# Attachment 1: Attendance and Apologies

Date: Thursday, 06 February 2020

## Members

Jared Feehely (Chair)	Gold Coast Airport
Laura Zambon (Secretary)	Gold Coast Airport
Melissa Pearce	Gold Coast Airport
Brett Curtis	Gold Coast Airport
Anthony Nugent	Airservices Australia
Chris McCormack	Airservices Australia
Scott Stephens	Airservices Australia
Peter Long	General Aviation (Air Gold Coast)
Guy Proctor	Jetstar Airways
Anthony Steinfort	Tugun Progress Association
Julie Murray	Kingscliff Ratepayers Association
John Alcorn	Airport Central Corridor Alliance
John Hicks	Gold Coast Lifestyle Association
Peter Barrett	Gold Coast District Neighbourhood Watch
Lindy Smith	Tweed Heads Residents & Ratepayers Association
David Gray	Bilinga Neighbourhood Watch
Paul Baker	Friends of Currumbin
Bill Pinkstone	Banora Point & District Residents Association

## Observers

Larry Woodland	Fingal Head Community Association
Pat Tate	Banora Point & District Residents Association
Val Kirk	Kingscliff

## Apologies

Barry Jephcote	SECCA
Matt Bender	Gold Coast Airport
Jacqui Cord	Tweed Shire Council
Jodie Bellchambers	Office of Justine Elliot
Josh Ireland	Department of Infrastructure
Tania Macdonald	Department of Infrastructure
Russell McArthur	Department of Infrastructure
Rob Anderson	Virgin Australia

## Attachment 2: ANACC Action List

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
1	22/06/2017	Flight track trial pre/post trial data	Airservices to provide the pre-during and post-trial data for review. The data was provided to the committee.	Lindy Smith	<del>06/02/2020</del> 04/06/2020	OPEN. Item reopened by Lindy. Lindy to provide detail around required information to close item.
2	26/10/2017	Kingscliff Departures	Review of flight paths departing over Kingscliff and the reasoning behind why aircraft are turning at certain points.	Julie Murray/ Airservices Australia	<del>06/02/2020</del> 04/06/2020	OPEN. Item reopened by Julie. Airservices to investigate the possibility of providing a track map.
3	21/06/2018	Webtrak	Clarification on parameters on Webtrak My Neighbourhood. More details needed to clarify action.	Lindy Smith	<del>06/02/2020</del> 04/06/2020	HOLD. Lindy has put a query to Airservices, awaiting response. Lindy to update group.
6	07/02/2019	ATC Data and Kingscliff Flight Data	Provide context around aircraft conflicts for straight-ahead departures off Runway 14. Julie to provide specific examples for Airservices to provide overview of situation.	Julie Murray/ Airservices Australia	<del>06/02/2020</del> 04/06/2020	OPEN. Airservices provided presentation at 06/02/2020 meeting. Julie to provide overview of detail required to close item.
10	06/02/2020	Member Nominations	Committee representatives to provide the secretariat with details on organisation/association meetings i.e. meeting dates, times and location.	ANACC Members	04/06/2020	OPEN.
11	06/02/2020	Member Nominations	Secretariat to facilitate coordination of fifth southern ANACC representative with	Secretariat	04/06/2020	OPEN.

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
			members to determine most relevant representative organisation.			
12	06/02/2020	Member Nominations	Secretariat to write to Virgin Australia CEO regarding Rob Anderson's resignation from the committee recognising his contribution.	Secretariat/ Chair	04/06/2020	OPEN.
13	06/02/2020	ANACC Member List	Secretariat to update the ANACC member list and provide it as part of registration for each meeting to ensure it is up-to-date and current.	Secretariat	04/06/2020	OPEN.
15	06/02/2020	Webtrak	Airservices to confirm the time intervals location data is provided for Webtrak.	Airservices	04/06/2020	OPEN.
16	06/02/2020	RNAV Action Item	John Alcorn to provide detail around RNAV action for committee to confirm if this is closed.	John Alcorn	04/06/2020	OPEN.
17	06/02/2020	ATC Coverage	Airservices to provide a map of the areas they are responsible for, by the next CACG meeting 04 March 2020 if possible.	Airservices	04/03/2020	OPEN.
18	06/02/2020	ATC Coverage	Airservices to provide a map outlining the airspace the Gold Coast Airport tower is responsible for and the interaction with Defence exclusion zones.	Airservices	04/06/2020	OPEN.
19	06/02/2020	ANZAC Day curfew dispensation	Peter Long to email the ANACC Secretariat, Gold Coast Airport and Airservices Australia (Gold Coast Air Traffic Control) to seek a letter of endorsement/support for the curfew dispensation application.	Peter Long	04/06/2020	OPEN.
20	06/02/2020	Curfew Movements	Chair to follow-up with Bill Pinkstone regarding reports of curfew jet movements.	Chair	04/06/2020	OPEN.

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
21	06/02/2020	Curfew Movements	Chair to follow-up the Department regarding how the quota system works and what timeline the system is based on (calendar or financial year).	Chair	04/06/2020	OPEN.
22	06/02/2020	ILS Usage	Airservices to provide the secretariat with tabulated data on ILS usage for distribution to the committee.	Airservices	06/03/2020	OPEN.
23	06/02/2020	Runway 32 Offset Approach	Southern members to discuss and further investigate the restricted use of the Runway 32 offset approach to consider allowing additional flights to use it. Members are to provide feedback at the next ANACC meeting.	Southern ANACC Members	04/06/2020	OPEN.
25	06/02/2020	Resident Noise Complaints delivered to ANACC Members	Bill Pinkstone to provide the secretariat suggestion regarding resident complaints and the best way of communicating these to NCIS.	Bill Pinkstone	04/06/2020	OPEN.
26	06/02/2020	Runway 14 Departures	Airservices to investigate if it is possible to demonstrate the conflict between aircraft departing 070 and arriving aircraft.	Airservices	04/06/2020	OPEN.
27	06/02/2020	June 2020 Meeting Agenda	John Hicks to submit to the secretariat focus points ahead of the next meeting regarding Strategic Work Program items 4.11 and 3.1 along with departures over Kingscliff.	John Hicks	04/06/2020	OPEN.
28	06/02/2020	ANACC Sub-Committee	Chair to follow up with Airservices to understand if local ATC team are able to participate in ANACC sub-committee meetings.	Chair	04/06/2020	OPEN.

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
29	06/02/2020	ANACC Sub-Committee	ANACC sub-committee members to respond to email correspondence regarding attendance at upcoming meetings.	ANACC Sub-Committee Members	04/06/2020	OPEN.
30	06/02/2020	Member Nominations	Secretariat to write to Airservices Australia CEO regarding Anthony Nugent's retirement from the committee recognising his contribution.	Secretariat/ Chair	04/06/2020	OPEN.

## ANACC Action List - COMPLETED

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
4	25/10/2018	Fingal Head Noise Monitor	Neil to check the calibration of the monitor due to Banora Point levels being higher than Fingal and request additional data.	Airservices Australia	N/A	CLOSED. Calibrations were checked, Banora Point monitor had technical issues, but maintenance had them fixed.
5	07/02/2019	Diversion Data	Are Virgin Australia and Jetstar able to provide diversion data for a 3-month period.	Virgin Australia & Jetstar	06/02/2020	CLOSED. Data is not practical to provide.
7	07/02/2019	ILS Post Implementation Review	Airservices Australia and Gold Coast Airport to note the expectations of the Gold Coast Lifestyle Association when planning for and compiling the ILS Post Implementation Review report.	Airservices Australia & Gold Coast Airport	N/A	CLOSED. Installation of temporary noise monitors will help provide further data for the review. Works on the

No.	Meeting Date	Item	Requirement	Responsible Person	Target Completion Date	Status
						review have already commenced.
8	10/10/2019	Gold Coast Airport Lease Document	Enquire if a portion of the lease document can be released to the ANACC.	Gold Coast Airport	06/02/2020	CLOSED. Lease document is commercial in confidence and is not appropriate for release.
9	10/10/2019	DIRD Curfew Report	Secretariat to circulate report following the meeting.	Secretariat	12/10/2019	CLOSED. Report circulated to members.
14	06/02/2020	Meeting Minutes - 10 October 2019	The Secretariat to update minutes following the meeting and resend with all of the relevant attachments.	Secretariat	08/02/2020	CLOSED. Packaged minutes from October 2019 sent 07/02/2020.
24	06/02/2020	Airservices Draft Flight Path Design Principles	Secretariat to resend the link to the draft flight path design principles online survey and the email address for written submissions.	Secretariat	06/03/2020	CLOSED. Original not sent. Email forwarded to members on 25/02/2020.

## Attachment 3: Correspondence

In	Category	Out
11/10/19 Vivienne (Duranbah) to GC Enquiries	F, N	11/10/19 JFeehely to Vivienne
24/10/19 Colleen (Banora Point) to GC Enquiries	F, RPT, N	28/10/19 JFeehely to Colleen
28/10/19 Colleen (Banora Point) to JFeehely	C	28/10/19 JFeehely to Colleen
07/11/19 Constituent via Karen Andrews MP (Burleigh Waters) to CACG	H, N	13/11/19 JFeehely to constituent via Karen Andrews MP
08/11/19 Tracey (Kingscliff) to GC Enquiries	F, C, N	15/11/19 JFeehely to Tracey
11/11/19 Nela (Mermaid Waters) to GC Enquiries	N, F	11/11/19 JFeehely to Nela
10/11/19 Peter (Mermaid Waters) to GC Enquiries	N, F	11/11/19 JFeehely to Peter
12/11/19 Christina (Burleigh) to GC Enquiries	F, RPT, N	12/11/19 JFeehely to Christina
18/11/19 JFeehely to JMurray (KR&PA)	O	18/11/19 JMurray (KR&PA) to JFeehely
	O	18/11/19 JFeehely to Tracey (Kingscliff)
19/11/19 Roslyn (Tweed Heads) to GC Enquiries	F, C	22/11/19 JFeehely to Roslyn
02/12/19 David (Currumbin Waters) to GC Enquiries	F, RPT	02/12/19 JFeehely to David
04/12/19 Elizabeth (Terranora) to GC Enquiries	LA	04/12/19 MRobinson to Elizabeth
	LA	10/12/19 JFeehely to Elizabeth
14/12/19 JMurray to JFeehely	F	14/12/19 JFeehely to ANugent and CMcCormack
16/12/19 CMcCormack to JFeehely	F	16/12/19 JFeehely to JMurray
16/12/19 Barry (Tweed Heads) to GC Enquiries	LA	16/12/19 JFeehely to Barry
17/12/19 George (Coolangatta) to GC Enquiries	LA, N, C	17/12/19 JFeehely to George
18/12/19 JMurray to JFeehely	F	14/12/19 JFeehely to ANugent and CMcCormack
18/12/19 CMcCormack to JFeehely	F	18/12/19 JFeehely to JMurray
23/12/19 Rick to GC Enquiries	N, F	23/12/19 BCurtis to Rick
23/12/19 Donna (Tugun) to GC Enquiries	F	24/12/19 JFeehely to Donna
21/01/20 Debra (Currumbin) to GC Enquiries	F	21/01/20 JFeehely to Debra
24/01/20 Sasha (Tugun) to GC Enquiries	F, RPT, N	29/01/20 JFeehely to Sasha
26/01/20 Vicki to GC Enquiries	LA, N	29/01/20 JFeehely to Vicki
28/01/20 JFeehely to ANACC Sub-Committee	O	

Category Legend			
C	Curfew	H	Helicopter
F	Flight Path	LA	Light Aircraft
G	General	RPT	Regular Public Transport
N	Noise	O	Other



## AIRCRAFT OPERATIONS DURING GOLD COAST AIRPORT CURFEW

1 October to 31 December 2019

### SUMMARY

Dispensations Granted	Pre-curfew Taxi Clearance	Curfew Quota Movements	Emergency & Search/Rescue Movements	Permitted Jet Movements	Permitted Propeller Driven Aircraft	Diversions
6	4	2	11	24	27	1

#### Dispensation

- There were six dispensations approved during the October to December 2019 period.
  - On 4 October 2019 Virgin Australia flight VA545 was granted a dispensation to land no later than 11:25pm. The aircraft landed at 11:11pm.
  - On 13 October 2019 Virgin Australia flight VA761 was granted a dispensation to land no later than 11:25pm. The aircraft landed at 11:11pm.
  - On 13 October 2019 Jetstar Airways flight JQ446 was granted a dispensation to land no later than 11:40pm. The aircraft landed at 11:07pm
  - On 16 October 2019 Jetstar Airways flight JQ446 was granted a dispensation to land no later than 11:30pm. The aircraft landed at 11:04pm.
  - On 20 December 2019 Jetstar Airways flight JQ447 was granted a dispensation to depart no later than 11:30pm. The aircraft departed at 11:29pm.
  - On 21 December 2019 Jetstar Airways flight JQ449 was granted a dispensation to depart no later than 11:30pm. The aircraft departed at 11:26pm.

#### Pre-curfew Taxi Clearance

- There were four pre-curfew taxi clearance movements.
  - Jetstar Airways flight JQ449 departed at 11:01pm on 6 December 2019.
  - A bombardier Challenger aircraft departed at 11pm on 11 December 2019.
  - Tigerair Australia flight TT573 departed at 11:09pm on 20 December 2019.
  - Jetstar Airways flight JQ449 departed at 11pm on 31 December 2019.



### Curfew Quota movements

- There were two curfew quota movements conducted by airlines during the October to December 2019 period.
  - Jetstar Airways flight JQ446 arrived at 11:03pm on 4 October 2019.
  - Jetstar Airways flight JQ188 arrived at 11:19pm on 2 December 2019.

### Diversions

- There was one diversion to Gold Coast Airport.

### Emergencies/Search and Rescue

- There were eleven aeromedical flights, using such aircraft as Beechcraft Super King Air's, a Eurocopter AS350B3 and an AgustaWestland AW139 helicopter.

### Other approved aircraft movements:

- There were 26 approved propeller driven aircraft movements. These aircraft included: 9 x Cessna 172's; 5 x Beechcraft Super King Air's; 4 x Cessna Caravan's; 2 x Saab 340's; 1 x Cirrus SR22; 1 x Beechcraft Baron; 1 x Cessna Skylane; 1 x Cessna Skywagon; 1 x Cessna 414 and 1 x Dash8.
- There were 24 business jet movements. These were from 16 x Learjet 35's; 3 x Global Express's; 2 x Falcon 900's; 2 x Cessna 525A's and 1 x Cessna 525.

### Runway usage October to December 2019

	October	November	December	Totals
<b>Runway 14 Arrivals</b>	4	9	5	<b>18</b>
<b>Runway 14 Departures</b>	5	4	14	<b>23</b>
<b>Runway 32 Arrivals</b>	4	7	3	<b>14</b>
<b>Runway 32 Departures</b>	3	4	4	<b>11</b>
<b>Runway 35 Arrivals</b>	0	1	0	<b>1</b>
<b>Helipad Arrivals</b>	1	0	2	<b>3</b>
<b>Helipad Departures</b>	1	0	4	<b>5</b>



# Gold Coast ANACC

6 February 2020

Chris McCormack – ATC Line Leader

Anthony Nugent – ATC Line Leader

# Airservices Update

- WebTrak Presentation – Flights over Kingscliff
- Gold Coast ILS Noise Monitor Update
- ILS Usage update
- RNP AR use
- Flight Path Design Consultation
- New interactive Online reporting
- 2019 Year in Review

# WebTrak Presentation

## Flights over Kingscliff



- While Airservices is attempting to use WebTrak to assist the ANACC members in understanding why ATC direct flights to track over Kingscliff, Airservices notes that this was never the intended use of WebTrak
- WebTrak has many limitations and our third party provider advises of these under the section DATA ACCURACY AND COMPLETENESS
- The statements under this section indicate that WebTrak can be subject to errors. WebTrak was never designed as a definitive source of knowledge, but rather a tool to assist the public to understand aircraft movements over their homes
- Real time events that affect ATC decisions are not displayed on WebTrak and were never meant to be
- <http://www.airservicesaustralia.com/aircraftnoise/webtrak/>

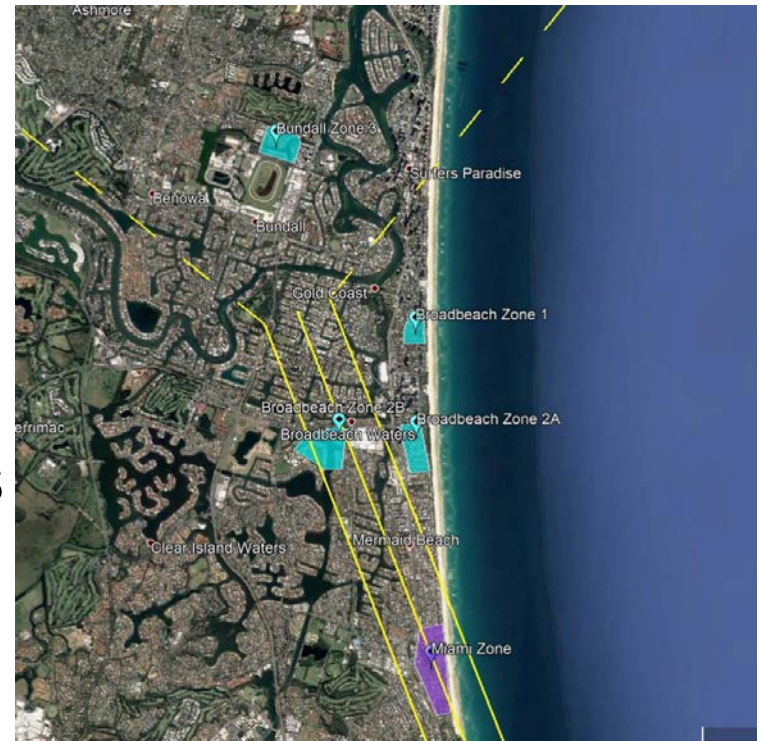
# Temporary Noise Monitor Update

Two short-term noise monitors are currently installed to monitor the Gold Coast ILS, they commenced 28 October 2019.

An initial review of the data in mid January 2020 has confirmed that a sufficient sample to support the post-implementation review (PIR) had been obtained during this monitoring.

Current weather is likely to result in further ILS usage during February and Airservices will extend the monitoring until the end of February. This will provide a larger sample to support the PIR.

The data is available to view on WebTrak, including three months of historical data.



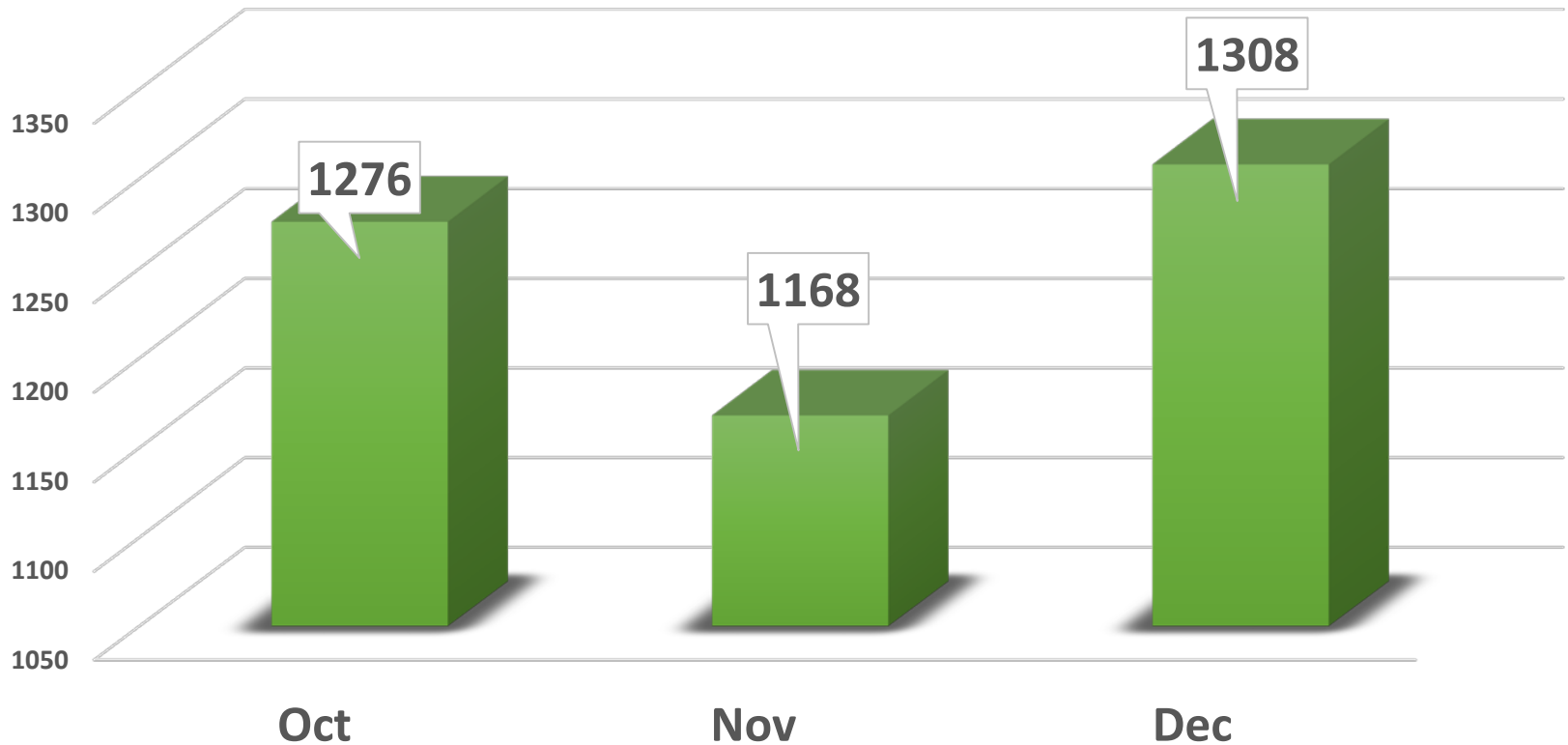
# ILS Usage Update

Since its inception on February 28<sup>th</sup> to January 31 2020, a period of 327 days:

- 1.3% of all arriving jets (251 individual arrivals) used the ILS
  - 98.7% of all arriving jets utilised other approaches
  
- The ILS has also been used 345 times by light aircraft (piston-driven or light turbo-prop) predominately for training purposes
  - This averages to 1 per day of 4.2% of all light aircraft approaches
  - Training flights are limited to 09:00 – 17:00

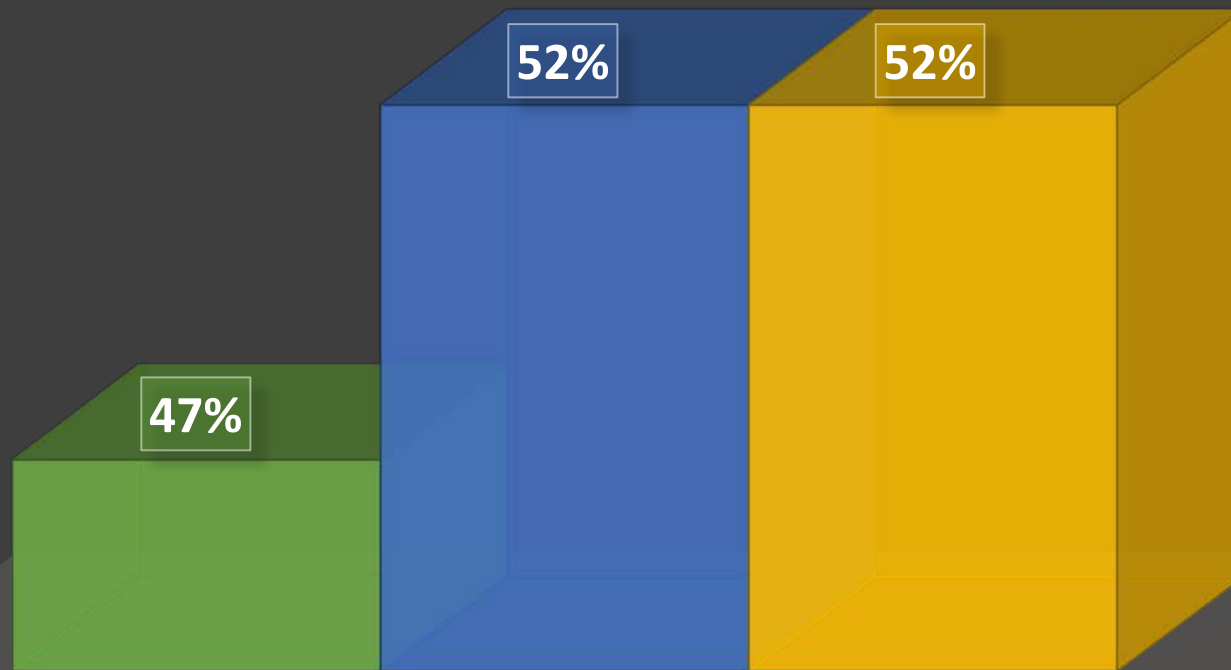
# RNP AR (Smart Tracking) use – Oct – Dec 2019

Total Number of RNP Flights at Gold Coast



# RNP AR (Smart Tracking) use – Oct – Dec 2019

Percentage of all RNP arrivals

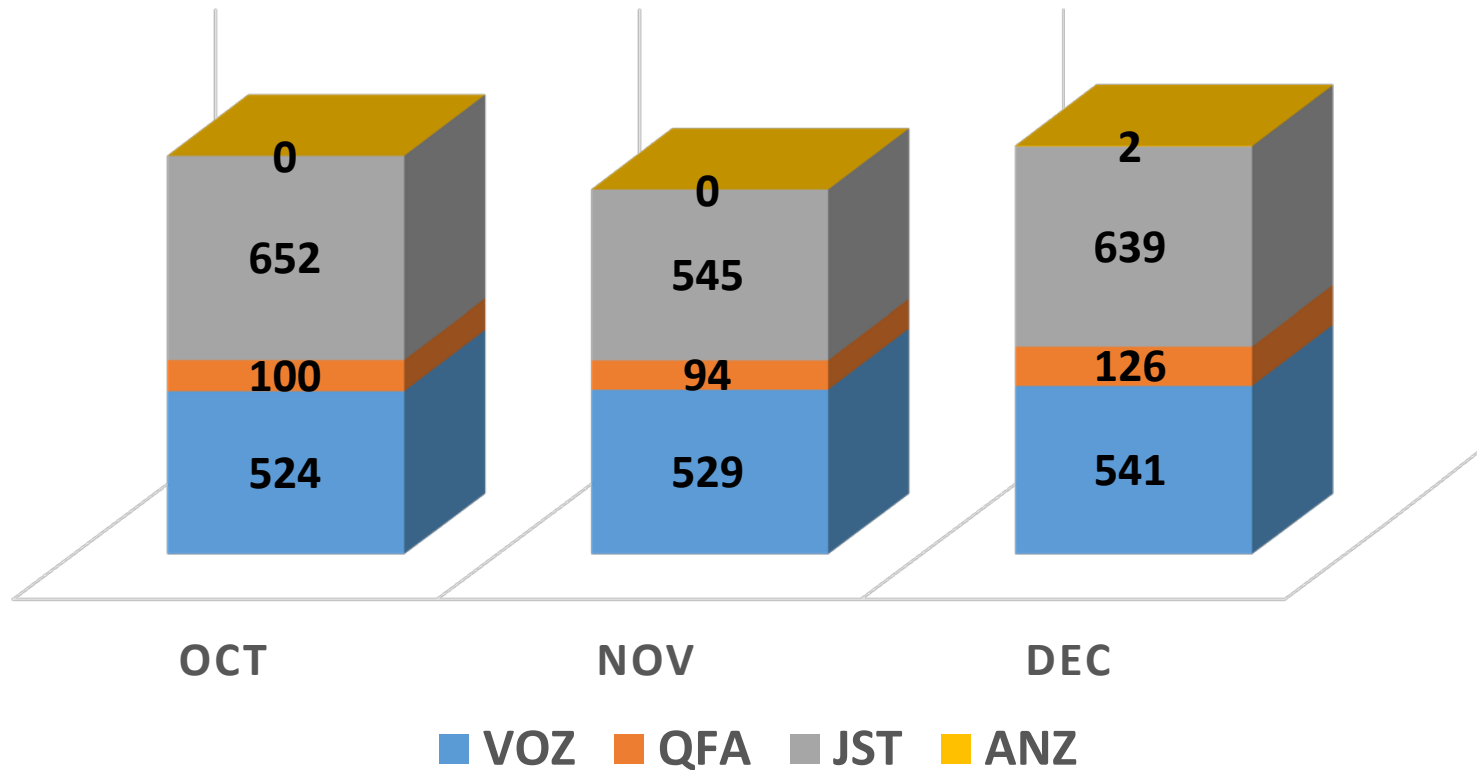


■ Oct ■ Nov ■ Dec



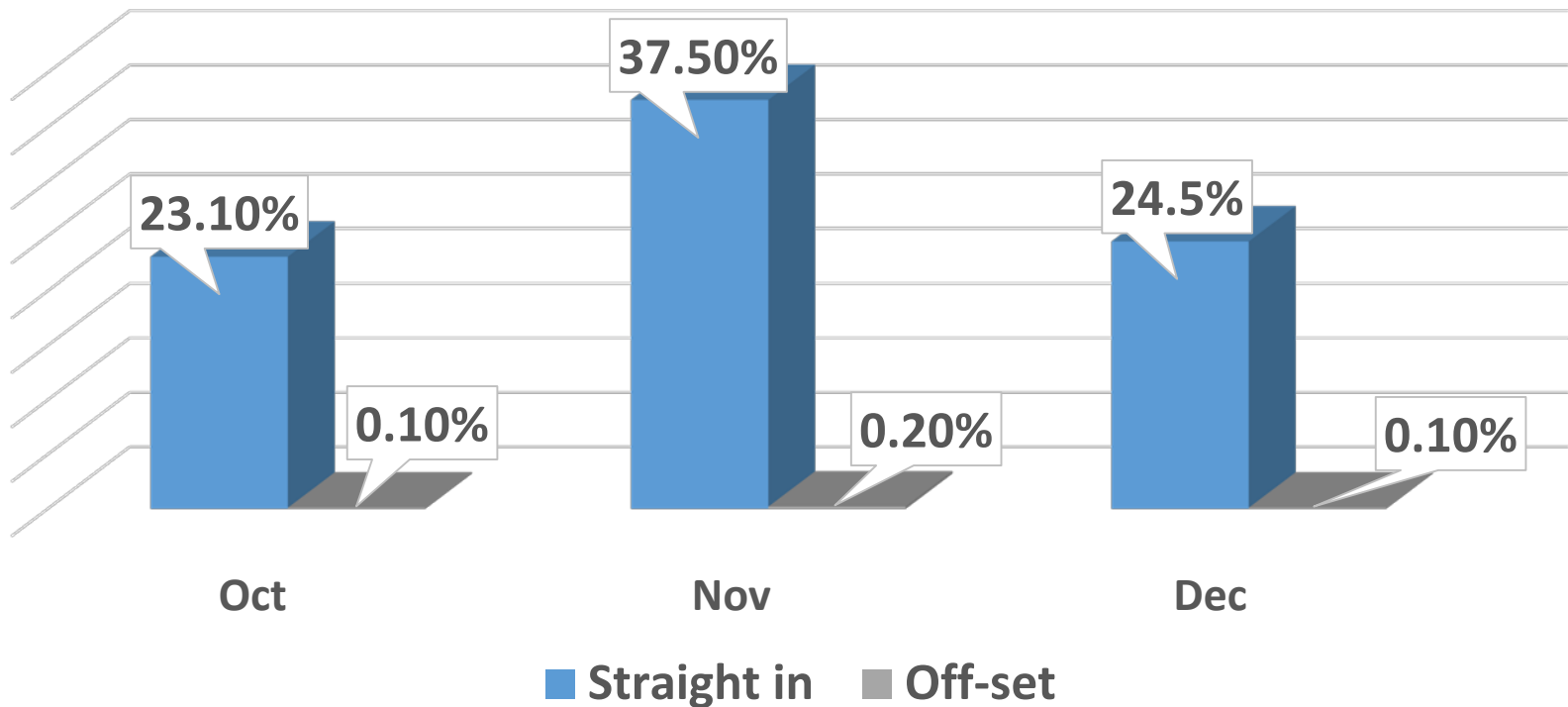
# RNP AR (Smart Tracking) use – Oct – Dec 2019

Number of RNP flights by airline



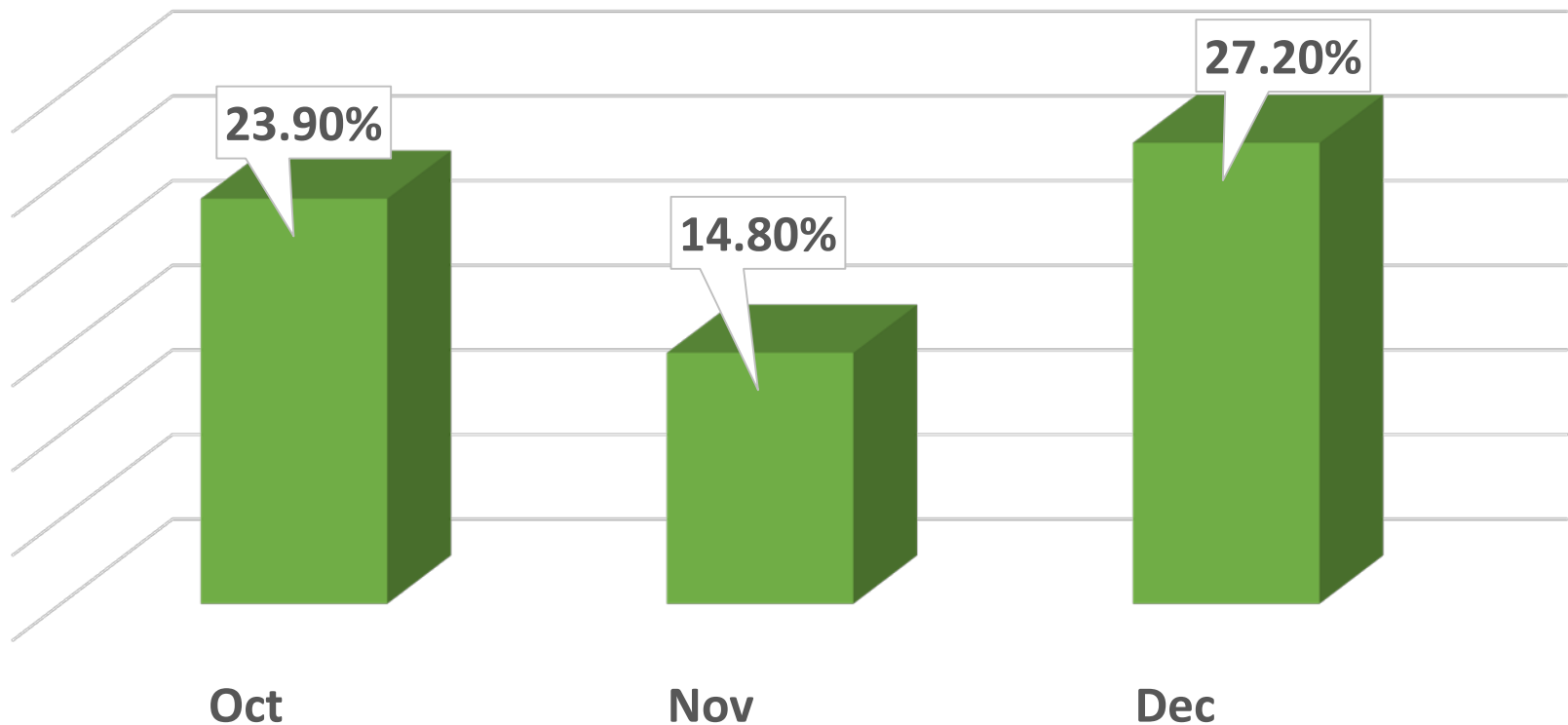
# RNP AR (Smart Tracking) use – Oct – Dec 2019

RWY 32 use as a % of all Arrivals



# RNP AR (Smart Tracking) use – Oct - Dec 2019


RWY 14 RNP use as a % of all arrivals



# Draft Flight Path Design Principles

- On 14 January 2020, Airservices commenced a national stakeholder consultation on *Draft Flight Path Design Principles* that will shape how we design, develop and implement flight path changes into the future.
- We are seeking views from a broad cross section of the Australian community, including industry stakeholders, CACGs, community members, noise sensitive sites (schools, aged care services etc.), national parks, areas of environmental and Aboriginal and Torres Strait Islander significance.


Draft Flight Path Design Principles




Safety principles

- Principle 1 - The safety of air navigation must be the most important consideration.
- Principle 2 - Flight paths must be designed in accordance with Australian and international design standards established in International Civil Aviation Organisation (ICAO) PANS-OPS, and Australian Civil Aviation Safety Regulations Part 173.




Environmental principles

- Principle 3 - Minimise the effect on the environment through designs that effectively manage emissions, fuel consumption and greenhouse gases, limiting these wherever practicable.
- Principle 4 - To the extent practicable, protect areas of Matters of National Environmental Significance (MNES), local cultural heritage and areas of natural beauty, considering the noise, emissions and visual impacts of the change.
- Principle 5 - Design flight path changes that deliver efficiency while minimising the noise effects of aircraft operations through continuous descent operations(CDO), continuous climb operations (CCO) and unrestricted flight paths.



Noise and community impact principles

- Principle 6 - Noise should be concentrated as much as possible over non-residential and other non-noise sensitive areas and establishments.
- Principle 7 - Where residential areas are exposed to noise, it should be fairly shared whenever feasible and practicable.
- Principle 8 - Noise Abatement Procedures and Fly Neighbourly Procedures should be optimised to achieve the lowest possible overall impact on the community.
- Principle 9 - Aircraft operations that are conducted at night or on weekends should be treated as being more sensitive than those which occur during the daytime or on weekdays.
- Principle 10 - Both current and expected future noise exposure shall be taken into account when considering flight path design changes.
- Principle 11 - To the extent practicable, distribute flight paths so that residential areas overflown by aircraft arriving on a particular runway do not also experience overflight by aircraft departing from the runway in the reciprocal direction.



Operational principles

- Principle 12 - Consider the impact of flight path options on airport capacity and overall network operations.
- Principle 13 - Flight paths will accommodate differing aircraft performance as specified in ICAO PANS-OPS.
- Principle 14 - Design flight paths to facilitate access to all eligible airspace users.

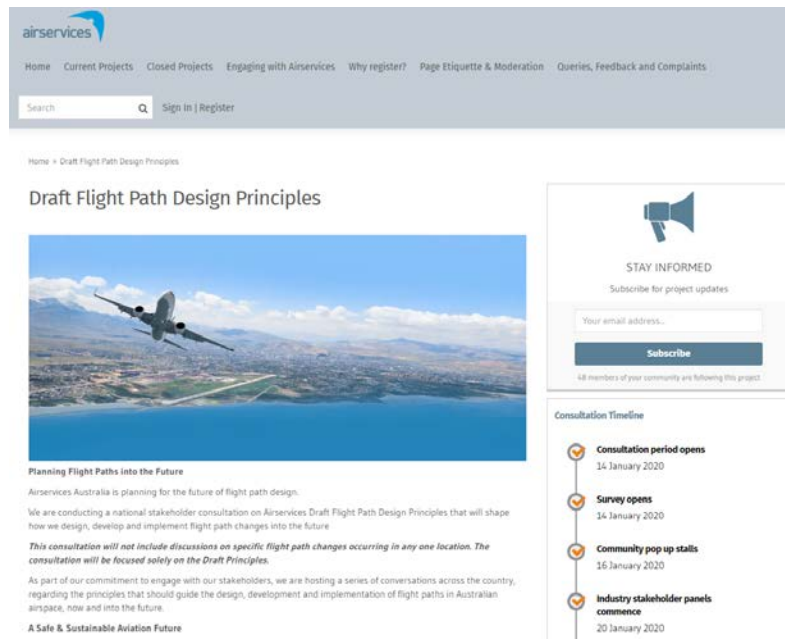
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Disclaimer: The content in this document is in draft form. It is provided for the purposes of consultation, engagement and to receive feedback. The content is subject to change. No liability is accepted for any loss or damage in connection with the use of this document.

Airservices Australia 2020 January 2020

# Draft Flight Path Design Principles

- We are using a range of approaches to engage with stakeholders.
- A key component of the consultation is the [Online Survey\(External link\)](#) hosted through our Engage Airservices website. The survey is open until 9 February 2020.
- We are aiming to finalise the principles in mid 2020.



airservices

Home Current Projects Closed Projects Engaging with Airservices Why register? Page Etiquette & Moderation Queries, Feedback and Complaints

Search Sign In | Register

Home » Draft Flight Path Design Principles

## Draft Flight Path Design Principles

**Planning Flight Paths into the Future**

Airservices Australia is planning for the future of flight path design. We are conducting a national stakeholder consultation on Airservices Draft Flight Path Design Principles that will shape how we design, develop and implement flight path changes into the future.

*This consultation will not include discussions on specific flight path changes occurring in any one location. The consultation will be focused solely on the Draft Principles.*

As part of our commitment to engage with our stakeholders, we are hosting a series of conversations across the country, regarding the principles that should guide the design, development and implementation of flight paths in Australian airspace, now and into the future.

A Safe & Sustainable Aviation Future

**STAY INFORMED**  
Subscribe for project updates

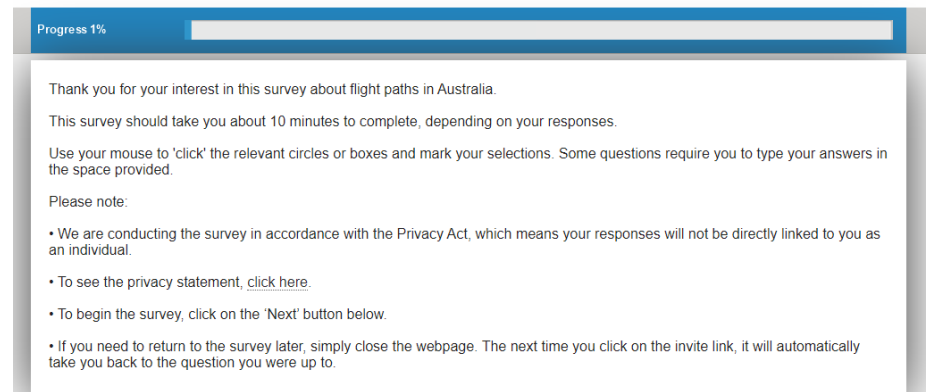
Your email address...

Subscribe

48 members of your community are following this project

**Consultation Timeline**

- Consultation period opens  
14 January 2020
- Survey opens  
14 January 2020
- Community pop up stalls  
16 January 2020
- Industry stakeholder panels commence  
20 January 2020



Progress 1%

Thank you for your interest in this survey about flight paths in Australia.

This survey should take you about 10 minutes to complete, depending on your responses.

Use your mouse to 'click' the relevant circles or boxes and mark your selections. Some questions require you to type your answers in the space provided.

Please note:

- We are conducting the survey in accordance with the Privacy Act, which means your responses will not be directly linked to you as an individual.
- To see the privacy statement, [click here](#).
- To begin the survey, click on the 'Next' button below.
- If you need to return to the survey later, simply close the webpage. The next time you click on the invite link, it will automatically take you back to the question you were up to.

Next

# New Format Online Reporting

- Now accessible from this page:  
<http://www.airservicesaustralia.com/aircraftnoise/airports/>
- The new format was effective from October 2019, is provided monthly rather than quarterly and replaces Airservices quarterly reporting, both online and for the Gold Coast ANACC
- Monthly information is updated on the 10<sup>th</sup> business day of each month
- Airservices will continue to provide commentary both online and to the Gold Coast ANACC, on increased complainants, issues or other complainant investigations by the NCIS

# New Format Online Reporting

- Yearly reviews will continue to be provided
- Any issues that are not noise related will not be included in this reporting
- This format is sourced directly from the NCIS database, and is based on contacts received in the calendar month
- As the NCIS updates issues and case classifications during the course of their investigation into a contact, it is possible that slight variations will occur in the reporting to the previous month, when the current month is uploaded

# New Format Online Reporting

- The following information is displayed at the top of the page, when you select complaints

## Changes to our complaint-reporting format

The new interactive reporting below (effective October 2019) will be monthly, rather than quarterly. New data will be available on the 10th business day of each month.

Use this interactive tool to explore the issues raised by residents from different suburbs. Read an explanation of [issues and classifications](#) used in complaint reporting.

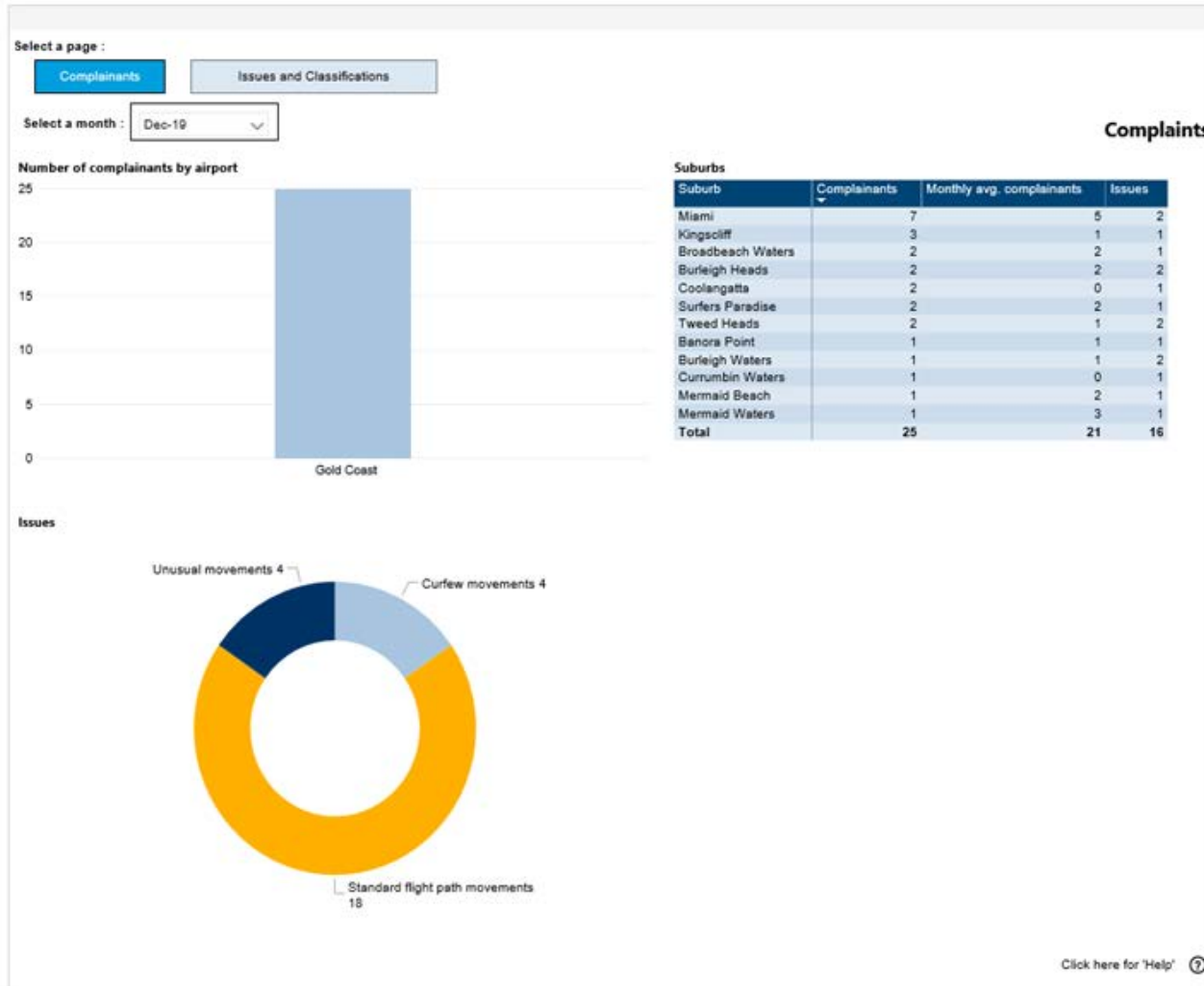
Help is provided on both the Complainants and Issues and Classification Screens in the bottom right hand corner of the screen.

If the NCIS have identified something new or unusual in the data, an explanation will be provided in a dated accordion below the interactive reporting. Previous quarterly reporting to January 2016 is under the accordion "Archived". Yearly reviews of complainant numbers and issues will continue to be provided.

Note: monthly complaints data describes the complaints lodged in that calendar month. Depending on when in the month the matter was lodged, the investigation may not have been completed within the same month. Where an investigation reveals that the issue or classification initially assigned to the matter was not the most appropriate one, this will be corrected. This may result in incremental changes to issue or classification counts for a previous month. Additionally, complainant numbers are now for each month. Previously if a complainant contacted the NCIS each month in a quarter that was reported as one complainant, if you are adding the number of complainants each month, this may not provide a realistic interpretation of the total number of complainants. If you select a month where there were no complainants, nothing will be displayed.



# New Format Online Reporting



# New Format Online Reporting

Select Page

Select a page :  
Complainants Issues and Classifications

Select a month : Dec-19

Number of complainants by airport

Issues

Suburbs

Suburb	Complainants	Monthly avg. complainants	Issues
Miami	7	5	2
Kingscliff	3	1	1
Broadbeach Waters	2	2	1
Burleigh Heads	2	2	2
Gold Coast	2	0	1
...	2	2	1
...	2	1	2
...	2	1	1
...	2	1	2
...	2	0	1
...	2	2	1
...	3	3	1
...	25	21	16

Unusual movements 4

Curfew movements 4

Standard flight path movements 18

Exit 'Help' ?

**Select a month**

**Use these buttons to change pages**

**Click on a suburb to show the issues raised by complainants from that suburb and the associated airport**

**Click on an airport to show associated suburbs and issues**

**Click on an issue to show the suburbs and airports associated with that issue**

**Hover over any chart element to see more details**

# New Format Online Reporting



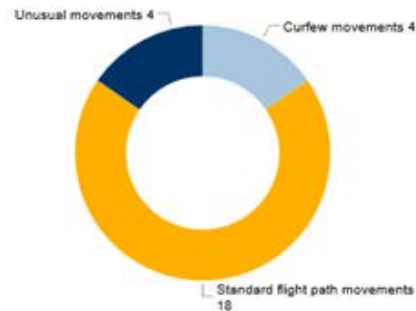
select a page :

Complainants Issues and Classifications

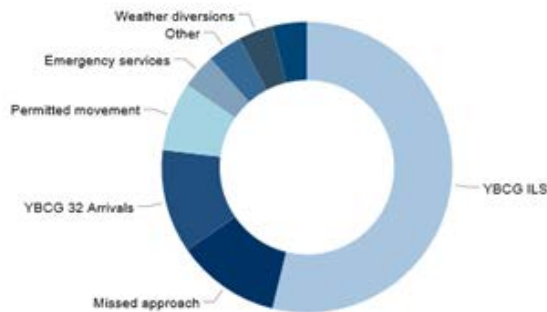
Select a month : Dec-19

## Issues and Classifications

### Issues



### Classifications



### Suburbs

Suburb	Complainants	Last 12 months Avg. Complainants	Issues
Miami	7	5	2
Kingscliff	3	1	1
Broadbeach Waters	2	2	1
Burleigh Heads	2	2	2
Coolangatta	2	0	1
Surfers Paradise	2	2	1
Tweed Heads	2	1	2
Banora Point	1	1	1
Burleigh Waters	1	1	2
Currumbin Waters	1	0	1
Mermaid Beach	1	2	1
Mermaid Waters	1	3	1
<b>Total</b>	<b>25</b>	<b>21</b>	<b>16</b>

# New Format Online Reporting



Select a page :

Complainants

Issues and Classifications

Select a month :

Dec-19

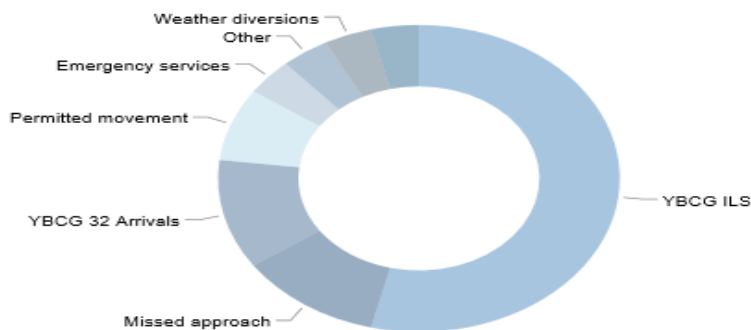
## Issues and Classifications

Issues



Standard flight path movements  
14

Classifications



Suburbs

Suburb	Complainants	Last 12 months Avg. Complainants	Issues
Miami	6	5	1
Broadbeach Waters	2	2	1
Surfers Paradise	2	2	1
Burleigh Heads	1	2	1
Burleigh Waters	1	1	1
Mermaid Beach	1	2	1
Mermaid Waters	1	3	1
<b>Total</b>	<b>14</b>	<b>18</b>	<b>7</b>

# New Format Online Reporting

Select Page

Select a page :

Complainants

Issues and Classifications

Select a month :

Dec-19

Select a month

Click on an issue to show the classifications associated with that issue and the suburbs of complainants who have raised it

Hover over any chart element to see more details

Click on a suburb to show the issues and associated classifications raised by complainants from that suburb

Issues and Classifications

Unusual movements 4



Standard flight path movements 18

Classifications

Emergency services

Permitted movement

YBCG 32 Arrivals

Missed approach

YBCG ILS

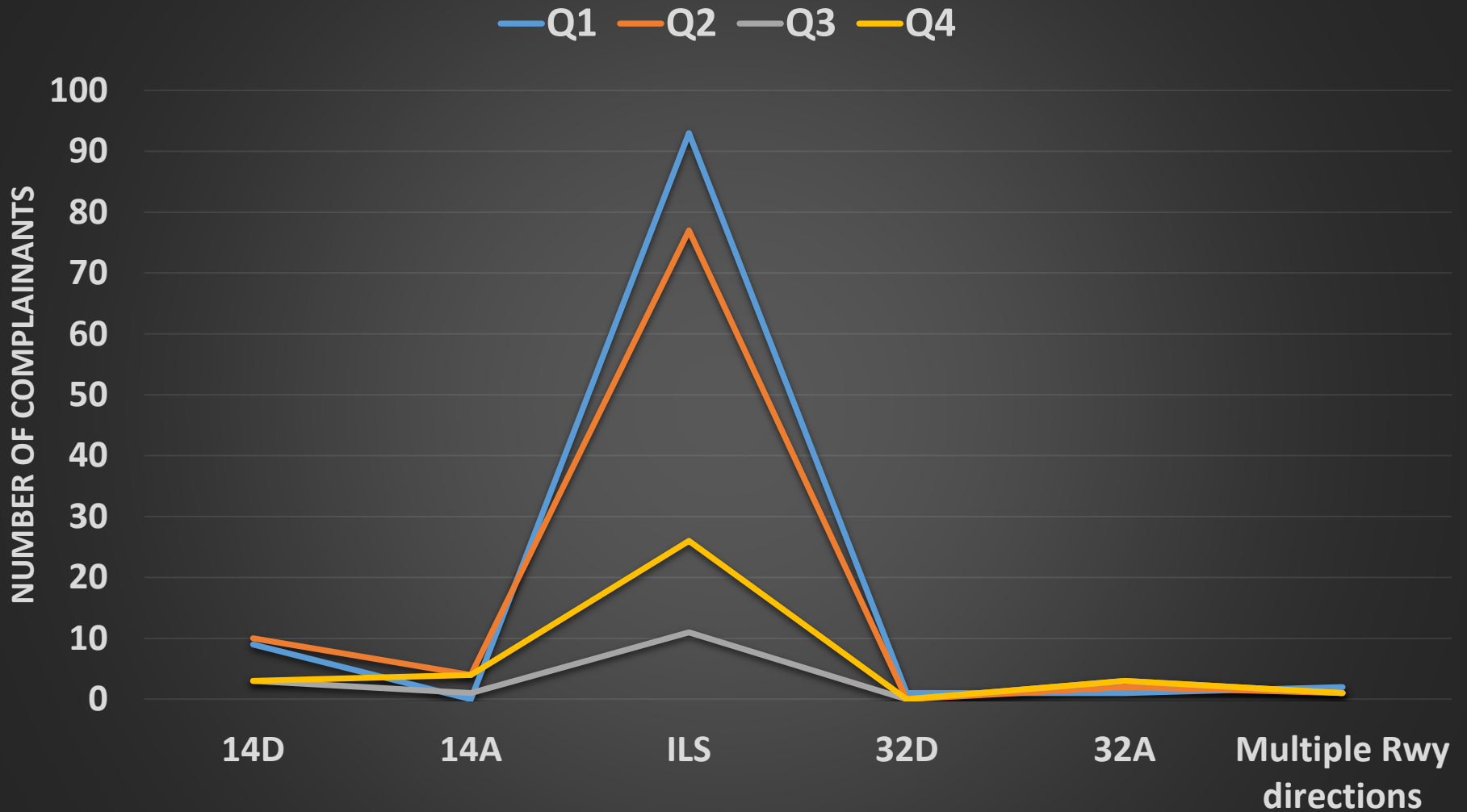
Suburb	Complainants	Last 12 months Avg. Complainants	Issues
...	7	5	2
...	3	1	1
...	2	2	1
...	2	2	2
...	2	0	1
...	2	2	1
...	2	1	2
...	1	1	1
Banora Point	1	1	1
Burleigh Waters	1	1	2
Currumbin W	1	0	1
Mermaid Beach	1	2	1
Mermaid Waters	1	3	1
Total	25	21	16

# 2019 Year in Review

## Complainants

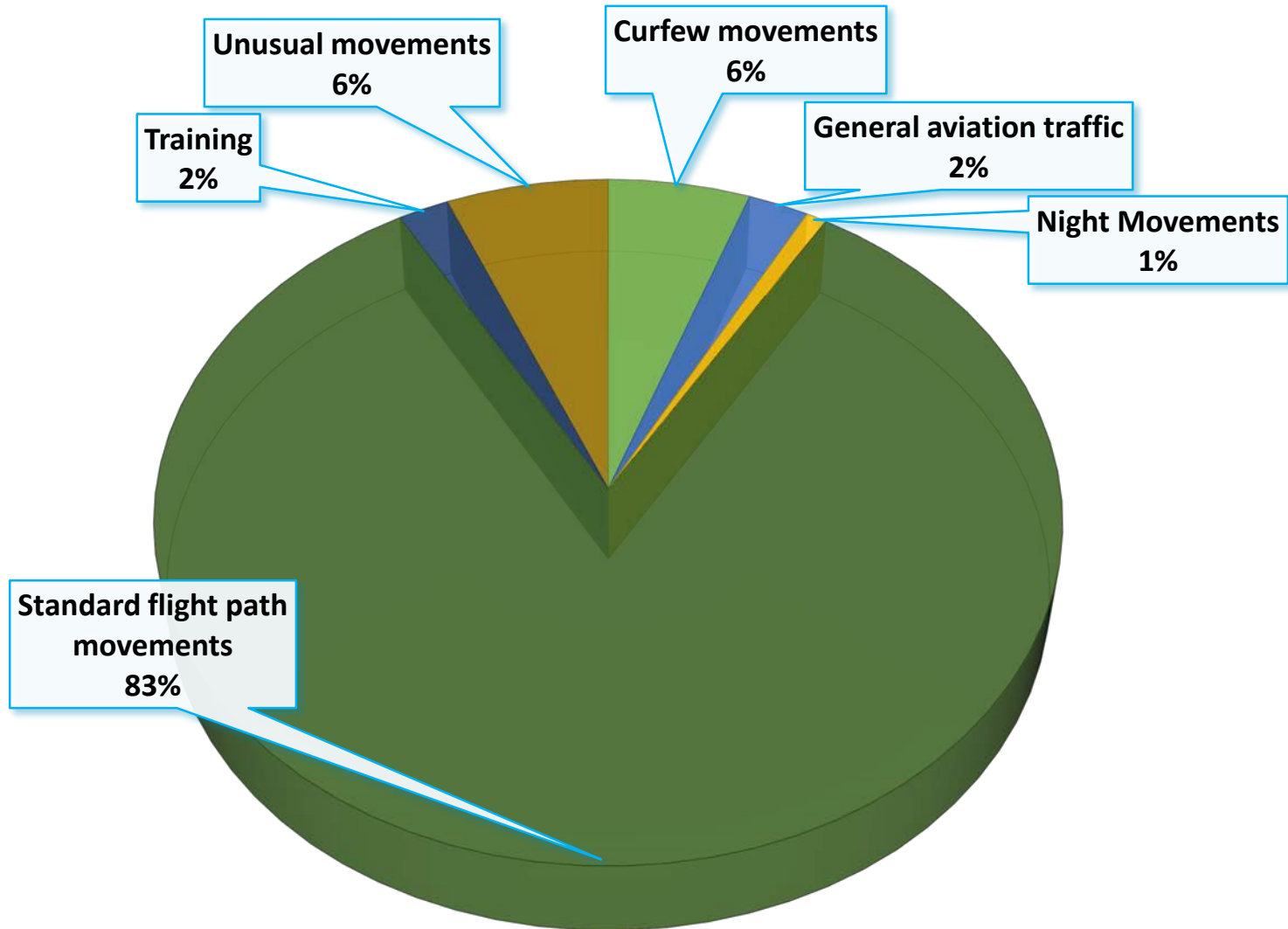
- 248 individual complainants an increase from 143 in 2018
- Increase due to implementation of the ILS – affecting 164 complainants

# Runway and ILS Usage



# 2019 Year in Review

## Issues





# 2019 Year in Review

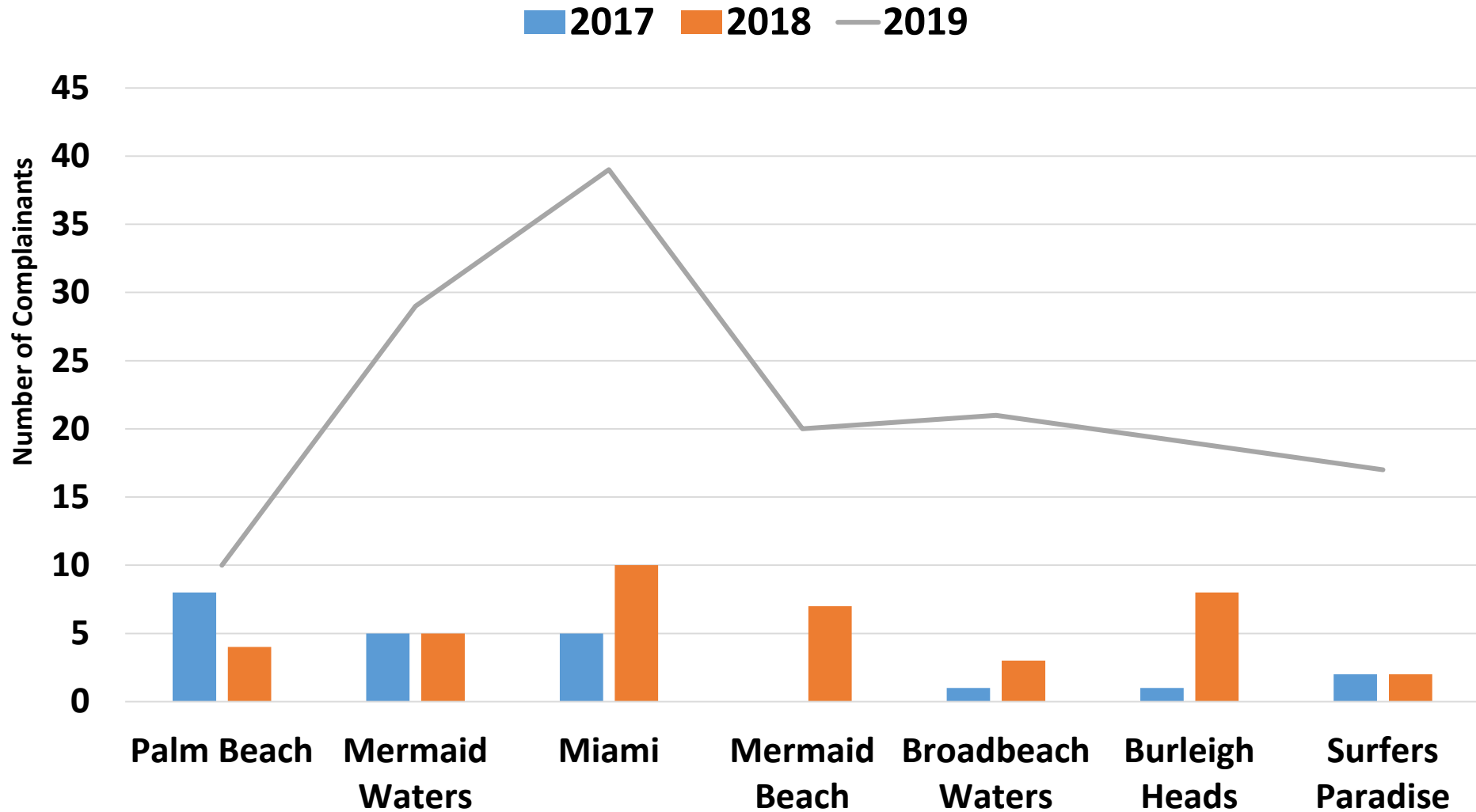
## Suburbs



- 43 suburbs recorded complainants
- 19 suburbs recorded a single complainant
- Suburbs recording the most complainants:
  - Miami (39), mainly concerned with ILS operations
  - Mermaid Waters (29), ILS
  - Broadbeach Waters (21), ILS and standard flight path movements
  - other suburbs were all north of the airport and were concerned with ILS operations

# 2019 Year in Review

## Suburbs



# Gold Coast ANACC ATC

The rules – standards

The process - aims

The limitations

Example flight

# Rules - technique

## Strategic v Tactical Separation

Safety based on applying rule sets for minimum distances – either horizontal or vertical.

Time, vertical (altitude) radar (distance) or visual (tower)

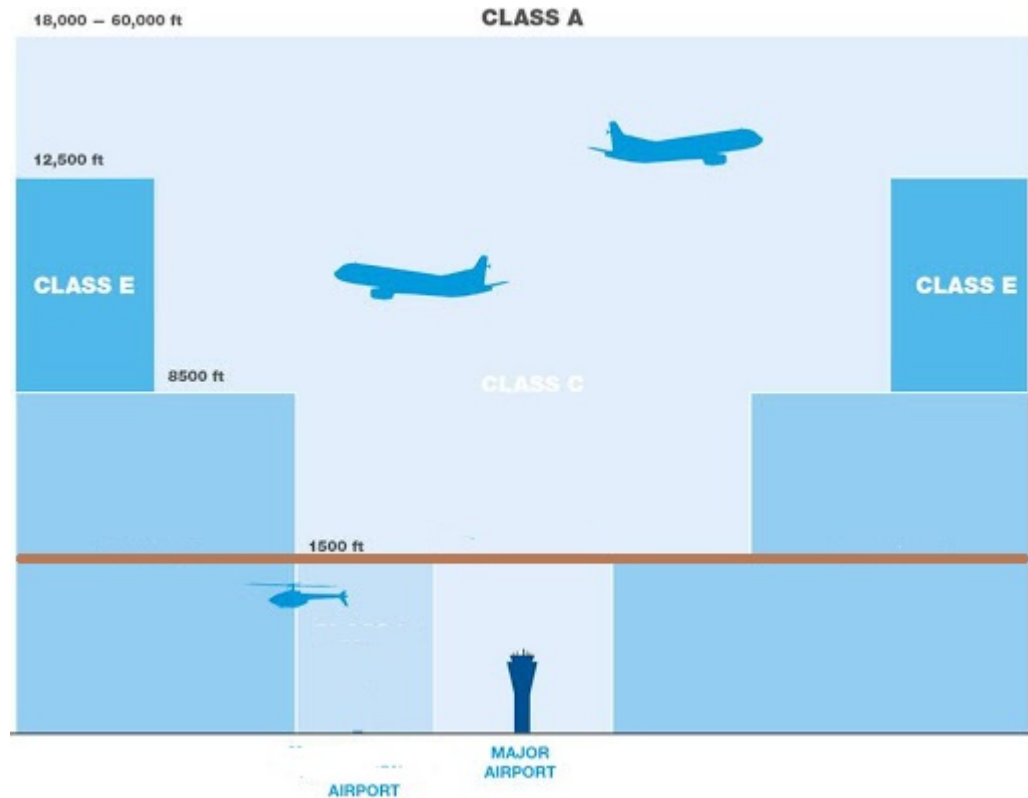
Must always have one separation standard – and be able to prove it  
3nm – 1000ft

One controller to another – different rules

Always L070 - always have a plan B

# Gold Coast - airspace

- Gold Coast tower
- 7nm (13 km )
- 1500 ft
- 12 Staff
- 1 SMC/Clearance
- 1 ADC Tower
- 1 Supervisor





# Process – ‘coordination’

ATC1 Clearance issued to aircraft (Dep - ~30 mins)

ATC1 Aircraft pushback (Dep – 8)

ATC1 Aircraft taxi – Brisbane aware (Dep 2-5)

ATC2 Plan traffic at taxi – where – how – when (plan B)

ATC2 Aircraft ready for departure

-> ATC3 ‘Next Dodo 1 - require’

ATC3 Options L070 or H140 unless ATC 2 requires something –  
“2 Minutes”

Air traffic control will issue the flight with departure instructions – the pilot will only change for operational reasons or due to weather.

# Limitations

Airport design - Taxiway system

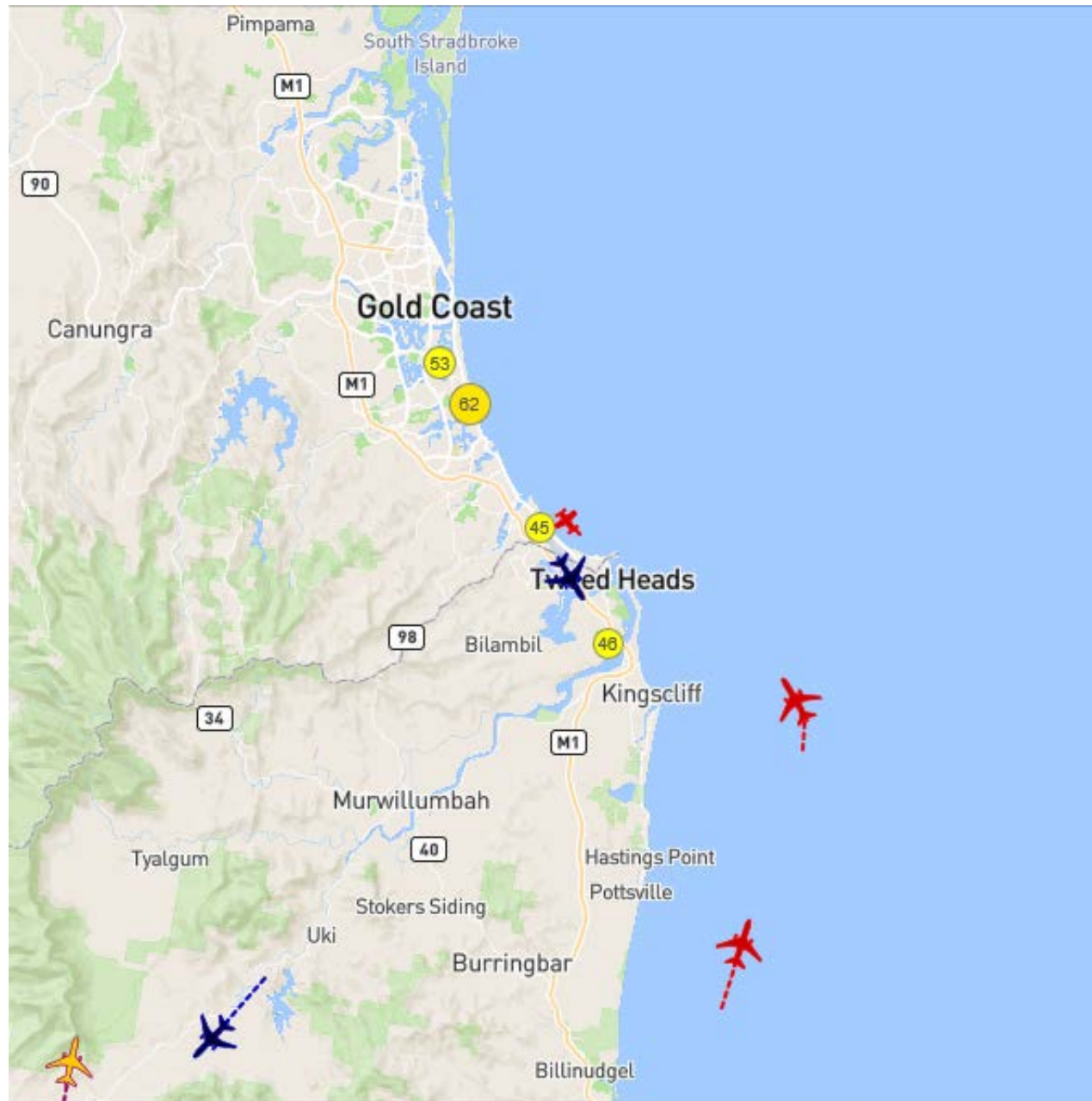
Other traffic

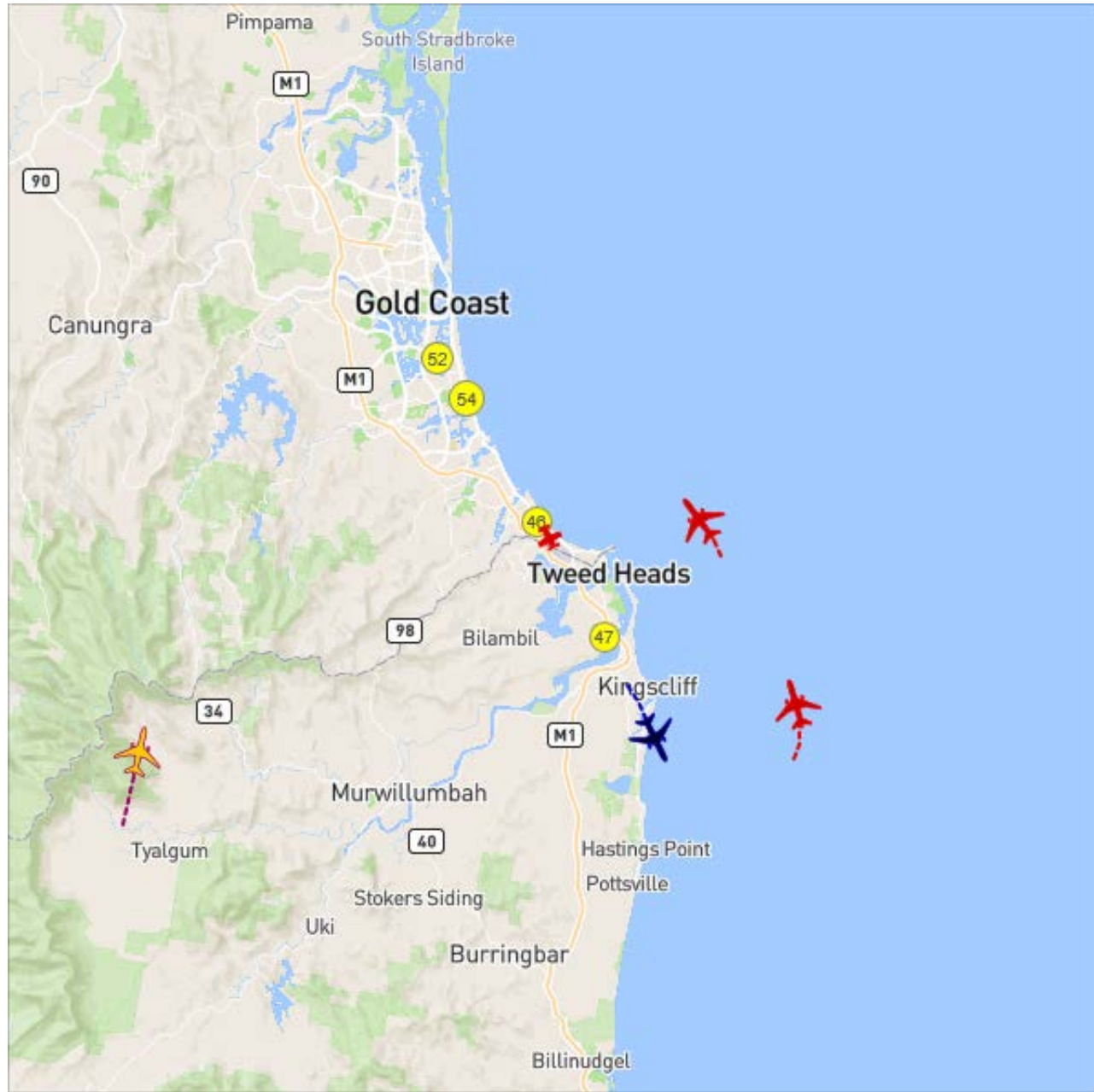
Route network - airspace

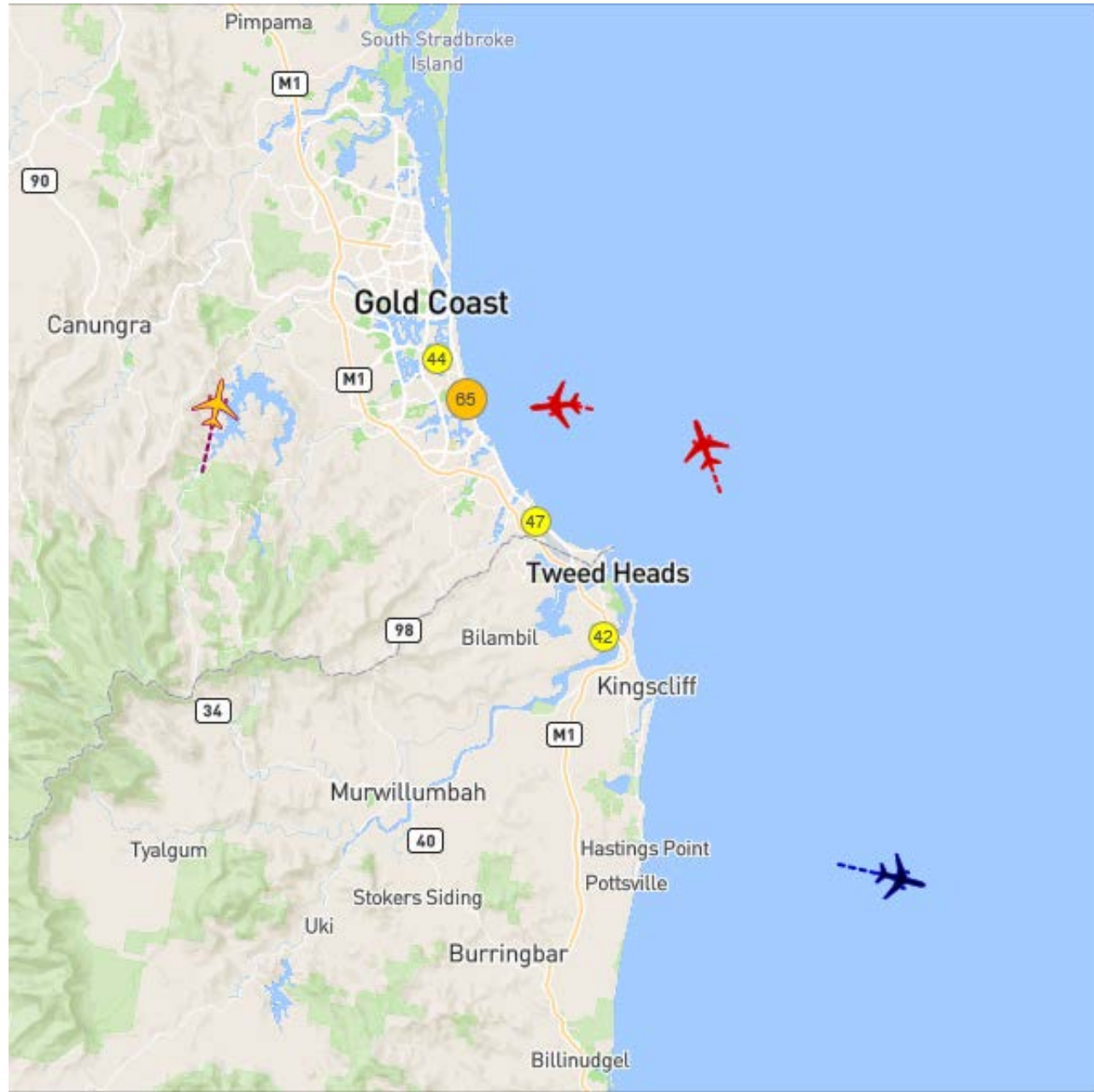
Visibility - weather

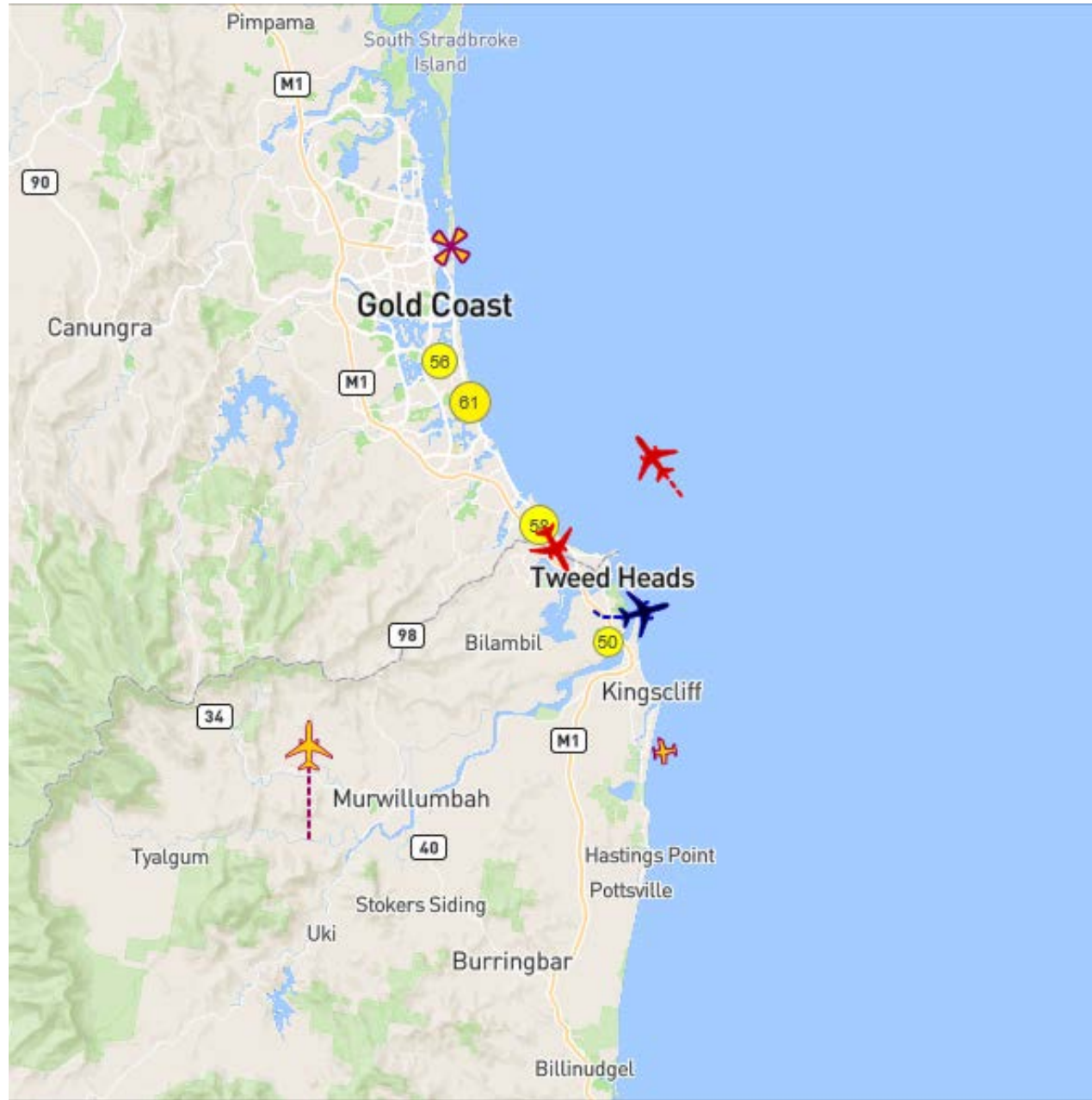
Experience – P - roundabout













## 9.6 Callsign list

local_date	ATIS ILS starts	ATIS ILS ends	All ILS callsigns (with aircraft type / local landing time)
28/02/2019			VH-FEM (Piston, 10:04:20), VH-OJL (Piston, 14:42:29), VH-KNQ (Turboprop, 16:15:09)
1/03/2019			VH-ROV (Piston, 15:12:11)
2/03/2019	5:49	6:20	JST983 (A320, 06:01:59), JST12 (B787, 06:06:16), JST400 (A320, 06:18:52)
3/03/2019			VOZ511 (B737, 09:43:12), VH-PMG (Piston, 11:39:01)
4/03/2019			VH-ZUA (Piston, 16:56:40)
5/03/2019			VH-EFW (Turboprop, 10:02:18), VH-SDU (Piston, 14:54:20), VH-YHL (Piston, 16:10:12), VH-ZUA (Piston, 21:35:20)
6/03/2019			
7/03/2019			VH-ZUA (Piston, 11:50:24), VH-EAJ (Piston, 12:00:29), VH-YHL (Piston, 13:31:31)
8/03/2019			VH-ROV (Piston, 08:57:14), VH-EAJ (Piston, 15:51:46)
9/03/2019			
10/03/2019			
11/03/2019			
12/03/2019	6:13	6:40	JST12 (B787, 06:32:39), VOZ725 (B737, 07:00:56)
13/03/2019			VH-CPB (Piston, 08:54:15), VH-ZUA (Piston, 09:01:33), VH-CBT (Piston, 10:14:09), VH-ROV (Piston, 13:29:41), VH-ROV (Piston, 15:05:11), VH-ROV (Piston, 20:12:47)
14/03/2019	18:34	19:36	VH-ROV (Piston, 09:03:12), VH-ROV (Piston, 09:03:23), VH-DTG (Piston, 10:11:06), VH-RKS (Piston, 12:25:23), TGG624 (A320, 19:06:16), JST424 (A320, 19:36:16)
15/03/2019	18:12	20:22	VH-TQW (Turboprop, 16:12:58), VOZ1511 (B737, 19:56:44), VOZ535 (B737, 20:16:31), TGG572 (B737, 20:25:32), VOZ755 (B737, 20:30:24), QFA864 (B737, 20:35:12)
16/03/2019	15:20	23:59	VH-ROV (Piston, 13:10:59), VOZ527 (B737, 16:14:11), JST438 (A320, 16:17:44), JST428 (A320, 21:58:16)
17/03/2019	11:28	15:38	VH-OXY (Turboprop, 11:45:42), QFA856 (B737, 12:03:00), JST408 (A320, 12:05:07), JST967 (A320, 12:07:33), JST436 (A320, 15:27:47), JST168 (A320, 15:35:48), VOZ527 (B737, 15:57:36)
18/03/2019			
19/03/2019			VH-KSS (Piston, 11:03:59)
20/03/2019			TGW006 (B787, 08:04:24), VH-KSS (Piston, 11:12:24), VH-ROV (Piston, 13:35:26)
21/03/2019			VH-DTG (Piston, 09:58:43)
22/03/2019			
23/03/2019			
24/03/2019			VH-TKJ (Piston, 10:34:34)
25/03/2019			
26/03/2019			
27/03/2019	11:20	15:34	VH-ZUA (Piston, 10:32:03), JST408 (A320, 11:38:36), VOZ517 (B737, 11:42:12), VH-TBM (Turboprop, 12:16:48), JST967 (A320, 12:18:11), TGG612 (A320, 12:33:25), VOZ741 (B737,

			13:22:27), JST412 (A320, 13:33:03), QFA1568 (B717, 13:58:28), TGG562 (B737, 14:24:48), JST436 (A320, 14:29:12), JST168 (A320, 15:25:01), VOZ527 (B737, 15:33:32), VH-EUZ (Piston, 16:30:21), VH-RPV (Piston, 18:12:00)
28/03/2019	7:19	7:29	JST12 (B787, 07:25:58), JST430 (A320, 07:49:19), ADA3 (Turboprop, 12:07:48), VH-DYC (Piston, 13:45:15), VH-YDC (Piston, 15:27:07), VH-TQW (Turboprop, 16:14:04), VH-ZUA (Piston, 18:01:48)
29/03/2019			VH-ROV (Piston, 10:07:48), VH-VMV (Piston, 17:55:46)
30/03/2019			
31/03/2019			VH-KWZ (Turboprop, 18:00:44)
1/04/2019			VH-ZUA (Piston, 09:57:11), VH-ROV (Piston, 11:57:24), VH-ZUA (Piston, 15:49:05), VH-ROV (Piston, 16:47:51)
2/04/2019	12:36	18:09	VH-EDB (Piston, 06:29:55), VOZ741 (B737, 13:14:44), JST436 (A320, 13:28:12), VOZ523 (B737, 13:32:20), JST412 (A320, 13:36:01), VH-FEM (Piston, 14:17:21), TGG560 (B737, 14:20:51), QFA862 (B737, 14:33:20), VH-EAJ (Piston, 15:32:50), VOZ749 (B737, 16:11:52), VH-LMD (Turboprop, 16:33:20), JST134 (A320, 16:38:23), ANZ879 (A320, 16:41:21), VOZ527 (B737, 16:59:53), VOZ535 (B737, 17:19:44), TGG622 (A320, 17:23:56), JST414 (A320, 17:53:40), JST424 (A320, 18:07:54), JST496 (A320, 18:11:52), VH-VCW (Turboprop, 18:22:20), VH-VCW (Turboprop, 18:22:22)
3/04/2019	6:14	9:55	JST400 (A320, 06:28:11), JST7990 (A320, 06:32:27), JST12 (B787, 06:48:15), JST430 (A320, 06:51:49), ANZ937 (A320, 09:59:56), VOZ110 (B737, 10:05:06), JST412 (A320, 15:22:07), VH-ZUA (Piston, 16:13:03)
4/04/2019			VH-ZUA (Piston, 14:57:52), VH-LAA (Turboprop, 19:07:41), VH-FOH (Piston, 20:57:15)
5/04/2019			VH-BCD (Piston, 11:11:44)
6/04/2019			VH-YHM (Piston, 15:09:16)
7/04/2019			
8/04/2019			
9/04/2019			
10/04/2019			VH-XGH (Piston, 09:15:00), VH-ZUA (Piston, 11:51:27)
11/04/2019			
12/04/2019	10:54	12:56	JST430 (A320, 07:55:20), JST967 (A320, 11:09:48), VOZ110 (B737, 11:19:11), QFA860 (B737, 11:22:48), VOZ733 (B737, 11:31:20), QFA880 (B737, 11:35:56), VOZ1447 (B737, 11:48:38), VOZ515 (B737, 11:53:12), JST630 (A320, 11:58:08), JST420 (A320, 12:02:00), VOZ735 (B737, 12:17:27), JST432 (A320, 12:22:00), VOZ517 (B737, 12:35:12), JST438 (A320, 12:47:48), QFA864 (B737, 12:54:12), TGG612 (A320, 13:20:15), VOZ741 (B737, 14:44:12)
13/04/2019			
14/04/2019			VH-ZUA (Piston, 12:59:39), VH-LAA (Turboprop, 13:53:16)
15/04/2019			VH-ZUA (Piston, 11:06:32)
16/04/2019			VH-EZR (Piston, 10:22:20)
17/04/2019			VH-STE (Turboprop, 09:40:35)
18/04/2019			VH-IYE (Piston, 14:47:40), VH-ONW (Piston, 14:54:31)

19/04/2019			QFA864 (B737, 13:02:36), VOZ755 (B737, 21:02:59)
20/04/2019			JST430 (A320, 08:49:59), JST965 (A320, 17:04:28), VH-OJL (Piston, 18:33:32)
21/04/2019			
22/04/2019	17:34	19:30	VH-YKU (Piston, 09:33:08), VH-ZUA (Piston, 12:04:20), VH-ZUA (Piston, 15:09:46), JST414 (A320, 17:51:20), VOZ749 (B737, 17:56:28), VH-ZUA (Piston, 18:09:57), JST134 (A320, 18:23:47), TGG622 (A320, 18:28:00), VOZ1451 (B737, 18:36:36), VOZ535 (B737, 18:39:52), JST424 (A320, 18:53:36), VOZ539 (B737, 19:39:12)
23/04/2019			VH-EYY (Piston, 14:08:56), VH-YDC (Piston, 23:09:38)
24/04/2019			VH-OBW (Piston, 08:09:05), VH-ZUA (Piston, 12:00:44)
25/04/2019			VH-AZX (Piston, 13:09:01)
26/04/2019			
27/04/2019			VHSRA (Piston, 13:23:48)
28/04/2019			
29/04/2019			VH-RKS (Piston, 18:04:20)
30/04/2019			VH-ZUA (Piston, 11:07:27), VH-TOE (Piston, 15:11:11)
1/05/2019			VH-MDH (Turboprop, 12:49:24)
2/05/2019			VH-CLE (Piston, 14:18:25), VH-RKS (Piston, 19:40:46)
3/05/2019			
4/05/2019	15:13	15:37	QFA862 (B737, 15:24:40), JST410 (A320, 15:33:08), TGG560 (B737, 15:49:23)
5/05/2019			VH-YKB (Piston, 10:34:53)
6/05/2019			VH-YKB (Piston, 14:09:29), VH-LYT (Turboprop, 18:44:17)
7/05/2019			
8/05/2019			
9/05/2019			VH-ZIO (Piston, 11:57:56), VH-XHT (Piston, 14:55:00)
10/05/2019			
11/05/2019			
12/05/2019			QFA1574 (B717, 20:46:59)
13/05/2019			VH-ZUA (Piston, 10:10:17), VH-ZUA (Piston, 13:01:12)
14/05/2019			VH-EFK (Piston, 12:12:52), VH-ROV (Piston, 13:41:46), VH-ZUA (Piston, 15:40:44), VH-ROV (Piston, 15:47:55), VH-ROV (Piston, 15:47:57)
15/05/2019			
16/05/2019			VH-NGI (Piston, 14:07:34), VH-NGI (Piston, 14:07:35)
17/05/2019			VH-SUM (Piston, 09:09:20), VH-ROV (Piston, 12:52:09), VH-YKB (Piston, 13:39:52)
18/05/2019			
19/05/2019			VH-ZUA (Piston, 16:54:20)
20/05/2019	10:06	10:36	VH-VTF (Turboprop, 10:20:41), VOZ511 (B737, 10:39:31), VH-WGS (Piston, 10:44:05), VH-ROV (Piston, 13:22:48)
21/05/2019			VH-YDC (Piston, 22:53:25)
22/05/2019			VH-ROV (Piston, 13:19:17), VH-NGI (Piston, 15:30:55)
23/05/2019			VH-RPL (Piston, 15:02:18)
24/05/2019			VH-IMS (Piston, 09:54:22), VH-ROV (Piston, 10:01:20), VH-ROV (Piston, 15:28:14)

25/05/2019			VH-YDC (Piston, 18:38:29)
26/05/2019			
27/05/2019			
28/05/2019			
29/05/2019			
30/05/2019			VH-ZIO (Piston, 12:51:54)
31/05/2019			VH-ZUA (Piston, 09:08:27), VH-TAW (Piston, 09:32:52), VH-YKU (Piston, 10:06:41), VH-YKU (Piston, 13:16:40), VH-OIH (Piston, 20:13:36)
1/06/2019			VH-ZIH (Piston, 12:21:20)
2/06/2019			VH-PXW (Piston, 09:34:53)
3/06/2019			
4/06/2019			
5/06/2019			VH-YKU (Piston, 09:57:08), VH-ROV (Piston, 10:50:35), VH-YKU (Piston, 12:56:40), VH-YKU (Piston, 13:56:20), VH-ZIO (Piston, 16:26:52)
6/06/2019			VH-ZUA (Piston, 13:47:27), VH-ROV (Piston, 15:23:49), VH-LSE (Piston, 16:34:08), VH-ZUA (Piston, 21:48:28)
7/06/2019			VH-ROV (Piston, 09:06:25), VH-ROV (Piston, 14:28:27)
8/06/2019			
9/06/2019			
10/06/2019			VH-KZG (Piston, 11:04:51)
11/06/2019			VH-TAW (Piston, 09:36:48)
12/06/2019			VH-YKU (Piston, 09:12:06), VHWJB (Piston, 17:25:37)
13/06/2019			
14/06/2019			VH-AZX (Piston, 12:47:40)
15/06/2019	14:27	14:49	TGG554 (B737, 14:35:15), VOZ523 (B737, 14:47:52), TGG560 (A320, 14:56:12)
16/06/2019			
17/06/2019			VH-NCR (Piston, 09:29:39), VH-ZUA (Piston, 14:41:28), VH-ZIH (Piston, 14:56:49)
18/06/2019			VH-WDG (Piston, 04:05:04), VH-CLE (Piston, 15:18:14), VH-YDC (Piston, 23:08:16)
19/06/2019			VH-VVP (Piston, 15:22:07)
20/06/2019			VH-XGH (Piston, 09:13:39), VH-HGK (Piston, 14:05:32), VH-BVS (Turboprop, 16:08:44), VH-ZUA (Piston, 16:13:13)
21/06/2019			VH-ZUA (Piston, 15:11:57)
22/06/2019			VH-DTG (Piston, 12:40:41), VH-ZUA (Piston, 13:22:21), VH-WGS (Piston, 14:42:57)
23/06/2019			
24/06/2019	19:55	20:43	VH-BJZ (unknown, 08:59:15), ANZ937 (A320, 11:01:39), VOZ543 (B737, 20:38:32), VOZ755 (B737, 20:46:05), QFA1574 (B717, 20:51:55)
25/06/2019	15:30	15:53	VH-NGI (Piston, 13:34:45), VH-XGH (Piston, 15:02:23), JST494 (A320, 16:03:08), VH-ZUA (Piston, 16:09:04)
26/06/2019	7:00	7:33	JST400 (A320, 07:22:07), TGW006 (B787, 07:32:14), VH-PID (Turboprop, 07:42:19), JST430 (A320, 07:56:56), TGG604



			(A320, 09:29:21), TGG550 (B737, 09:39:00), VH-NGI (Piston, 13:06:44), VH-XGH (Piston, 15:13:48), VOZ527 (B737, 16:29:08)
27/06/2019			VH-NGI (Piston, 10:09:44), VH-OBW (Piston, 10:53:26), VH-ROV (Piston, 14:35:44), VH-ROV (Piston, 16:38:56)
28/06/2019			VH-ROV (Piston, 13:45:56)
29/06/2019			
30/06/2019			VH-CEN (Piston, 09:57:10), VH-PNC (Piston, 10:02:41), VH-FOJ (Piston, 10:35:32), VH-ZUA (Piston, 12:19:04), VH-DTG (Piston, 15:19:37)
1/07/2019			VH-NGI (Piston, 19:53:01)
2/07/2019			VH-YJX (Piston, 16:08:42), VH-XGH (Piston, 16:42:34)
3/07/2019			ANO180 (Ejet, 12:31:40), VH-NGI (Piston, 15:15:12)
4/07/2019			VH-NGI (Piston, 14:22:04)
5/07/2019			VOZ733 (B737, 11:38:41), VH-ZUA (Piston, 18:02:26)
6/07/2019			VH-ZUA (Piston, 16:40:09)
7/07/2019			
8/07/2019			N5001N (unknown, 17:44:44)
9/07/2019			VH-YHM (Piston, 12:06:16), VH-ROV (Piston, 15:39:11), VH-AZX (Piston, 15:44:24)
10/07/2019			
11/07/2019			
12/07/2019			AM452 (Jet, 02:13:28), SVY23 (Turboprop, 03:19:19)
13/07/2019			
14/07/2019			VH-NGI (Piston, 11:38:53), VH-ZUA (Piston, 12:45:09)
15/07/2019			VH-NGI (Piston, 08:59:08), VHICF (Piston, 09:03:53), VH-NGI (Piston, 10:23:53), VH-TAW (Piston, 13:01:24), VH-NGI (Piston, 14:46:55)
16/07/2019			VH-YDC (Piston, 22:49:44)
17/07/2019			VH-NGI (Piston, 09:52:24), VH-ZUA (Piston, 15:27:08), YBCG (Piston, 15:48:19), VH-ZUA (Piston, 17:31:09)
18/07/2019			VH-ROV (Piston, 11:00:16), VH-IFU (Piston, 11:04:43), VH-AZX (Piston, 15:33:59), VH-NGI (Piston, 16:40:25)
19/07/2019			VH-ZUA (Piston, 09:19:36)
20/07/2019			
21/07/2019			
22/07/2019			
23/07/2019			
24/07/2019			VH-TAV (Piston, 15:03:13), VH-AZX (Piston, 15:35:32)
25/07/2019			VH-NGI (Piston, 09:08:55), VH-TAV (Piston, 13:23:24), VH-AVT (Piston, 13:33:36), VH-NGI (Piston, 13:38:53), VH-CVP (unknown, 18:35:44)
26/07/2019			VH-OIH (Piston, 10:45:41)
27/07/2019			
28/07/2019			VH-ZUA (Piston, 12:40:59)
29/07/2019			VH-ZUA (Piston, 16:35:16)
30/07/2019			VH-DMB (Piston, 09:45:48), VH-ZOB (Piston, 10:13:30), VH-ZUA (Piston, 11:23:31), VH-CMA (Piston, 13:30:41)

31/07/2019			VH-NGI (Piston, 11:10:46), VH-RQU (Piston, 12:04:21), VH-ZUA (Piston, 16:44:52)
1/08/2019			
2/08/2019			VH-CEM (unknown, 13:57:53)
3/08/2019			VH-MBJ (Piston, 14:36:20)
4/08/2019			VH-RQU (Piston, 10:33:06), VH-YDC (Piston, 11:37:25), VH-TAV (Piston, 14:10:05)
5/08/2019			
6/08/2019			
7/08/2019			
8/08/2019			
9/08/2019			
10/08/2019			
11/08/2019			
12/08/2019			
13/08/2019			VH-EYQ (Turboprop, 13:41:17)
14/08/2019			N53DL (Piston, 15:21:44), VH-ZUA (Piston, 17:29:16)
15/08/2019			
16/08/2019			
17/08/2019			
18/08/2019			VH-FEM (Piston, 14:46:42), VH-ILJ (Jet, 19:18:24)
19/08/2019			
20/08/2019			VH-CMA (Piston, 15:09:44), VH-CMA (Piston, 15:09:49), VH-AZX (Piston, 16:15:45)
21/08/2019			
22/08/2019			
23/08/2019			
24/08/2019			VH-NFE (Piston, 10:16:29)
25/08/2019			
26/08/2019			
27/08/2019			
28/08/2019			VH-ZUA (Piston, 14:46:56)
29/08/2019			VH-SQR (Turboprop, 09:21:52)
30/08/2019			VH-ZUA (Piston, 10:30:33), VH-ZUA (Piston, 14:27:14)
31/08/2019			VH-ZUA (Piston, 13:22:21), VH-HLP (Piston, 17:49:52)
1/09/2019			
2/09/2019			
3/09/2019			VH-CMA (Piston, 15:27:39), VH-PAS (Piston, 19:21:51)
4/09/2019			VH-WGS (Piston, 11:18:04), VH-NOE (Piston, 11:29:13), VH-EOV (Piston, 12:40:17), VH-CMA (Piston, 15:53:18)
5/09/2019			
6/09/2019			
7/09/2019			
8/09/2019			VH-CDG (Jet, 09:26:57)
9/09/2019			VH-NGI (Piston, 09:14:43), VH-LAV (Piston, 12:59:08)
10/09/2019			VH-CMA (Piston, 13:11:53), VH-KNQ (Turboprop, 16:24:19)

11/09/2019			VH-NGI (Piston, 09:57:24), VH-ZUA (Piston, 12:07:11), VH-YKB (Piston, 13:03:30), VH-YRE (Piston, 15:19:32), VH-YKB (Piston, 16:01:39)
12/09/2019			VH-NGI (Piston, 12:33:13)
13/09/2019			VH-YHL (Piston, 08:25:58), VH-EZR (Piston, 08:46:21), VH-NGI (Piston, 13:40:31)
14/09/2019			VH-CMA (Piston, 15:39:28)
15/09/2019			
16/09/2019			
17/09/2019	16:58	17:26	VH-ZUA (Piston, 09:55:27), VH-ZUA (Piston, 14:55:16), JST494 (A320, 17:19:44), VOZ527 (B737, 17:22:24)
18/09/2019	5:53	6:17	
19/09/2019			VH-NGI (Piston, 13:28:44)
20/09/2019			VH-NGI (Piston, 09:53:03), VH-CFG (Piston, 12:08:55)
21/09/2019			
22/09/2019			
23/09/2019			
24/09/2019			VH-TTS (Piston, 05:56:17), VH-ROV (Piston, 10:29:01), VH-NGI (Piston, 13:34:59)
25/09/2019			
26/09/2019			
27/09/2019			
28/09/2019			
29/09/2019			
30/09/2019			VH-ROV (Piston, 09:48:52), VH-ROV (Piston, 13:38:55), VH-NGI (Piston, 14:13:55), VH-ZUA (Piston, 17:57:08), VH-LYT (Turboprop, 18:51:50)
1/10/2019			VH-TQW (Turboprop, 16:36:28), VH-ZUA (Piston, 17:48:56)
2/10/2019			VH-ZUA (Piston, 15:02:43)
3/10/2019			
4/10/2019			
5/10/2019			VH-VVP (Piston, 09:12:12), VH-ZIO (Piston, 09:19:06)
6/10/2019			VH-EOV (Piston, 14:17:42)
7/10/2019			
8/10/2019			VH-YDC (Piston, 21:15:48)
9/10/2019			VH-ZUA (Piston, 09:28:19)
10/10/2019			VH-ROV (Piston, 13:27:48), VH-ZUA (Piston, 16:47:37)
11/10/2019	11:31	13:16	VH-TOE (Piston, 09:40:40), VOZ517 (B737, 12:44:07), VOZ517 (B737, 12:44:08), VOZ739 (B737, 12:58:04), JST438 (A320, 13:03:12), VOZ741 (B737, 13:25:01), TGG560 (B737, 14:21:12), VH-JRL (Piston, 14:25:35), JST434 (A320, 14:54:13)
12/10/2019	8:13	12:30	TGG550 (A320, 08:21:08), XAX200 (A330, 09:11:51), JST630 (A320, 10:55:19), TGG852 (B737, 11:02:34), JST432 (A320, 11:06:53), JST967 (A320, 11:16:55), VOZ735 (B737, 11:24:35), VOZ517 (B737, 11:27:18), TGG554 (B737, 11:30:51), QFA864 (B737, 11:33:40), JST408 (A320, 11:48:40), JST434 (A320, 11:56:07), VOZ739 (B737, 12:14:56), JST438 (A320, 12:40:35)
13/10/2019			VH-ZIO (Piston, 09:08:06), VH-MDH (Turboprop, 17:05:23)

14/10/2019			VH-ROV (Piston, 10:50:13)
15/10/2019			JST983 (A320, 06:03:20)
16/10/2019			
17/10/2019			
18/10/2019			VH-AVT (Piston, 15:07:20)
19/10/2019			
20/10/2019			
21/10/2019			7771 (unknown, 07:45:22), VH-ROV (Piston, 09:24:44), VH-ZUA (Piston, 10:10:57), VH-RBB (Piston, 17:11:07)
22/10/2019			VH-ZUA (Piston, 10:20:43)
23/10/2019			VH-ZUA (Piston, 10:32:32), VH-NQF (Turboprop, 13:17:23), VH-YHL (Piston, 14:36:50), VH-EWW (Piston, 16:10:35), VH-VCW (Turboprop, 16:13:37)
24/10/2019			
25/10/2019			
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27/10/2019			VH-ZUA (Piston, 11:23:28)
28/10/2019			VH-ROV (Piston, 09:26:12), VH-ZUA (Piston, 14:51:47)
29/10/2019			
30/10/2019			
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3/11/2019			
4/11/2019			
5/11/2019			
6/11/2019			VH-TAV (Piston, 13:10:49), VH-NCR (Piston, 13:58:53), VH-ZIO (Piston, 16:15:37), VH-ZUA (Piston, 17:25:48)
7/11/2019			
8/11/2019			VH-JTV (Piston, 17:56:35)
9/11/2019			VH-DTG (Piston, 10:40:35), VH-ROV (Piston, 12:00:36), QFA864 (B737, 12:24:55), VH-YDC (Piston, 14:38:43), VH-TAV (Piston, 14:53:12), VH-ZKF (Turboprop, 16:24:39)
10/11/2019	17:01	19:56	QFA1566 (B717, 14:37:12), VH-TAV (Piston, 14:59:04), VH-TAV (Piston, 14:59:09), JST440 (A320, 16:59:08), VOZ751 (B737, 17:16:42), VOZ753 (B737, 18:26:47), VOZ539 (B737, 18:30:48), JST442 (A320, 18:34:45), JST424 (A320, 18:56:44), TGG622 (A320, 18:59:55), VOZ543 (B737, 19:25:40), QFA1574 (B717, 19:30:27), VHPPD (Jet, 19:45:20), TGG566 (B737, 20:38:34), JST426 (A320, 21:02:49)
11/11/2019	5:43	9:39	VH-VCW (Turboprop, 00:26:02), VH-LMZ (Turboprop, 00:29:04), JST983 (A320, 06:08:48), JST400 (A320, 06:11:36), TGW006 (B787, 06:20:15), JST12 (B787, 06:23:44), VOZ725 (B737, 07:10:59), JST402 (A320, 07:20:39), VOZ505 (B737, 07:23:20), JST132 (A320, 07:45:13), TGG604 (A320, 08:23:48), TGG550 (B737, 08:52:48), JST430 (A320, 08:57:12), JST406 (A320, 09:29:47), ANZ937 (A320, 09:45:11), VOZ511 (B737, 09:48:16)

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13/11/2019			VH-CBT (Piston, 09:01:49), VH-YRP (Piston, 11:02:24), VH-ZUA (Piston, 14:17:48), VH-LAA (Turboprop, 15:13:27), VH-LYI (Turboprop, 16:03:52)
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17/11/2019	7:13	8:41	JST132 (A320, 07:31:28), JST402 (A320, 07:35:28), JST430 (A320, 08:05:40), TGG604 (A320, 08:17:44), TGG550 (B737, 08:37:56)
18/11/2019			VH-ZUA (Piston, 09:41:40)
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27/11/2019	8:05	9:04	TGG604 (A320, 08:29:43), TGG550 (B737, 08:40:48), VH-ROV (Piston, 09:34:19), VH-CFP (Piston, 09:59:06)
28/11/2019			VH-DYC (Piston, 17:58:04), VH-TQW (Turboprop, 23:39:36)
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2/12/2019			VH-ZIH (Piston, 15:50:33)
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4/12/2019			VH-NGI (Piston, 10:54:36)
5/12/2019			VH-NNS (Piston, 08:22:41)
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7/12/2019			VH-LAA (Turboprop, 12:25:54), VH-NGI (Piston, 12:40:04)
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11/12/2019			TFR41 (B737, 23:21:15)
12/12/2019			VH-CFP (Piston, 12:37:20)
13/12/2019	8:49	15:15	XAX200 (A330, 09:19:48), JST406 (A320, 09:30:07), VOZ511 (B737, 09:41:05), QFA1330 (B737, 09:44:52), ANZ937 (A320, 10:03:04), QFA860 (B737, 10:17:32), VOZ110 (B737, 10:24:12), VOZ733 (B737, 10:26:51), VOZ1447 (B737, 10:42:00), VOZ515 (B737, 10:47:59), VOZ735 (B737, 11:24:57), VH-XGH (Piston, 11:32:50), QFA864 (B737, 11:52:00), VOZ517 (B737, 11:58:47), JST967 (A320, 12:01:52), VH-WME (Piston, 12:16:04), VH-RKS (Piston, 12:42:38), JST408 (A320, 12:48:31), TGG562 (B737, 13:44:53), VOZ523 (B737, 13:47:55), VOZ741 (B737, 13:54:36), JST49 (B787, 14:05:15), QFA1566 (B717, 14:10:37), JST412 (A320, 14:19:23), VH-LMD (Turboprop, 14:51:39), JST492 (A320, 15:18:59), JST168 (A320, 15:28:08)

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17/12/2019			VH-YHM (Piston, 13:49:33), VH-ZUA (Piston, 16:36:07)
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20/12/2019			VH-NNS (Piston, 13:27:35)
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22/12/2019	21:32	23:59	VOZ761 (B737, 21:49:39), JST448 (A320, 21:54:04), JST452 (A320, 22:16:32)
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24/12/2019	19:02	20:01	TGG604 (A320, 08:21:31), VOZ543 (B737, 19:48:40)
25/12/2019	7:33	9:23	JST402 (A320, 07:48:23), JST983 (A320, 08:02:24), JST49 (B787, 08:12:39), TGG604 (A320, 08:56:56), JST406 (A320, 09:17:58), XAX200 (A330, 09:21:06), VOZ511 (B737, 09:30:01)
26/12/2019			VH-DTG (Piston, 16:43:25)
27/12/2019			VH-ZUA (Piston, 12:28:15), VH-NNS (Piston, 14:11:26)
28/12/2019			VH-ZUA (Piston, 12:08:12)
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31/12/2019			TGG550 (B737, 09:10:56)
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6/01/2020			VH-ELS (Piston, 12:12:24), VH-TLH (Turboprop, 13:38:50)
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11/01/2020			JST426 (A320, 21:25:12)
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13/01/2020			VH-NGI (Piston, 10:20:55)
14/01/2020			VH-ZUA (Piston, 15:14:04)
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18/01/2020	5:41	19:17	VOZ505 (B737, 07:24:28), JST132 (A320, 07:27:37), VOZ725 (B737, 07:39:36), QFA1301 (B737, 07:44:09), JST430 (A320, 07:53:44), JST50 (B787, 08:38:12), ANZ937 (A320, 08:42:42), TGG550 (B737, 08:46:52), VOZ110 (B737, 09:52:16), JST406 (A320, 10:05:34), QFA1564 (B717, 10:10:44), VOZ1447 (B737, 10:38:45), VOZ733 (B737, 10:41:45), VOZ511 (B737, 10:45:05), TGG852 (B737, 10:48:55), JST630 (A320, 11:06:07), QFA880

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