

Inspectorate Visit 19th March 2019 – notes for visit

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- Show the line of landings and the deviant lines of landing – Airportwatch.org.uk 'flightpath can be up 10 degrees either side of the centre line and up to 6km from the touchdown point'.
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 - Ramsgate harbour – it is said that aircraft should be approximately 289m above sea level. A 10% error would bring this down to 289m less 29 = 260 m the aircraft height above sea level.
 - My house is approximately 45m above sea level and approximately 1.6km from the harbour. Aircraft descend at approximately 52m per km so by the time the aircraft reach my house the aircraft would be approximately: Aircraft height above sea level = 260m (height above sea level at Ramsgate Harbour). Drop of decent after 1.6km based on a height above sea level of 260m = 83m (52m x 1.60). So the height of the aircraft above my home would be height of aircraft above sea level – less the height of my house above sea level – less the drop in height on the approach to the airport = 260m – 45m – 83m = 132m or 433 feet.
- Height of aircraft over my house on a normal approach: height of aircraft above sea level – height of my house above sea level, less the drop of decent. 289m – 45m – 83m = 161m

Damage to my roof in June 2003

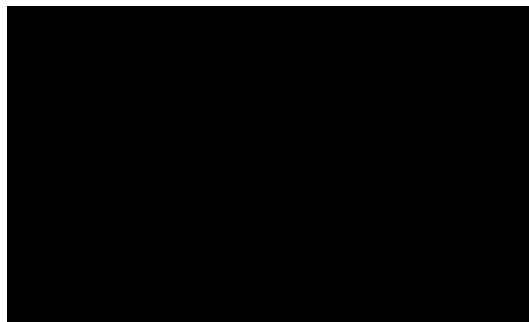
An Ethiopian cargo airliner flew into Manston airport which resulted in my roof being badly damaged. The vortex from the aircraft removed tiles from my roof and deposited them into by next door neighbours garden, many tiles that were not removed from my side and back roof were either cracked/broken or moved. Much of the roof lining felt was pulled through the gaps in the tiles and lay in small pieces (postcard size and down) around my garden.

The damage was such that the insurance assessor deemed that the roof had to be stripped of tiles and felt and completely re-roofed. This was paid for, as I understood it at the time, my the airport and I was reimbursed the £50 excess charge on my house insurance. Had my builder not arrive so promptly at my home – he arrive before I did from work – the damage to my home would have been much more as he managed to put some tiles back and get what was left of the hole before very heavy rain fell.

My next door neighbour was very luck to not he injured or killed by the flying tiles as she was sitting on her patio only a few minutes before the incident happened.

In the latter years of the Manston Airport being opened the roof of one of my neighbours across the road was also badly damage. I saw the aircraft come over, I heard the tiles hit the ground and I saw the hole. Knowing my roof had been damaged some years before she asked me what she should do

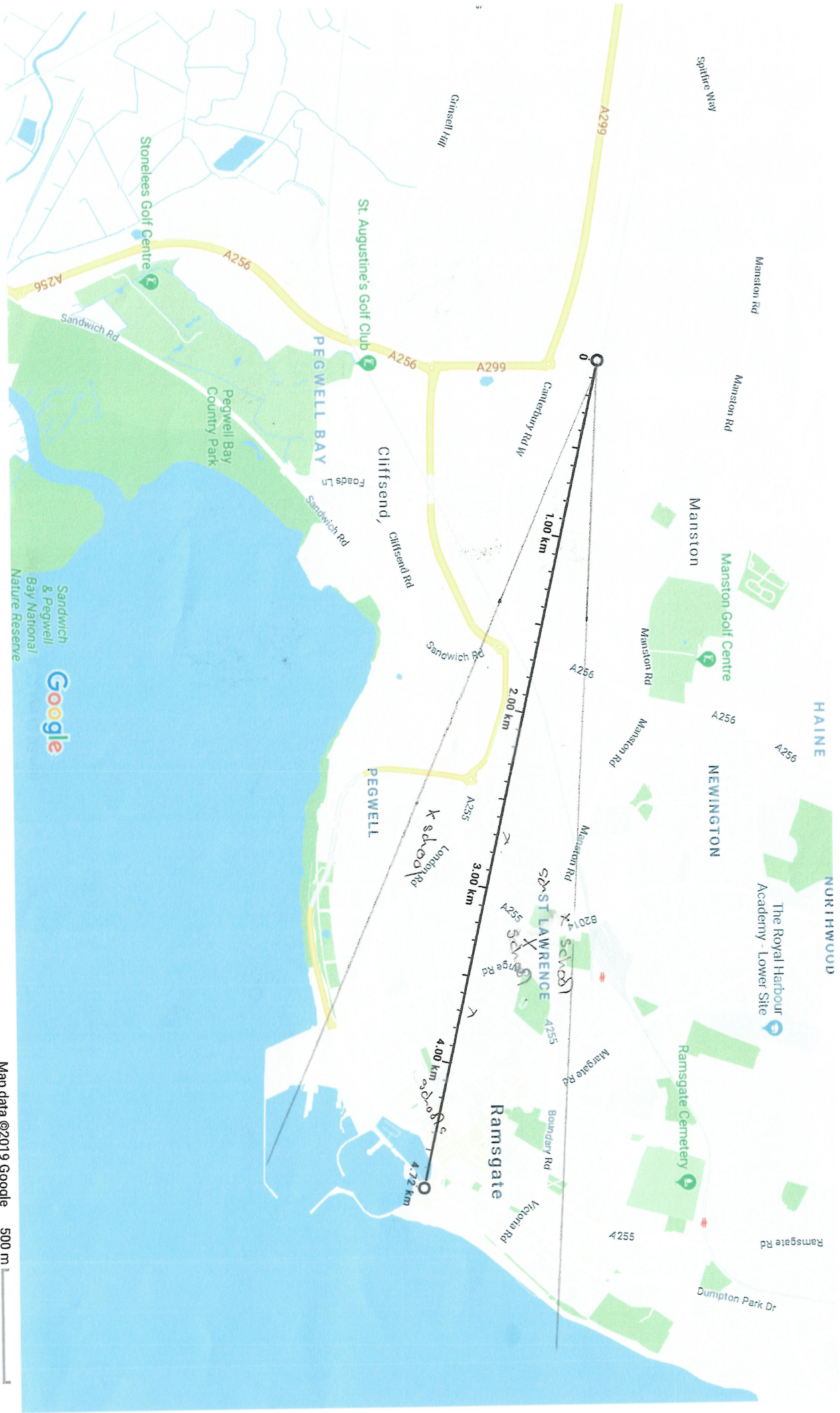
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Measure distance

Total distance: 4.74 km (2.95 mi)



Map data ©2019 Google 500 m

Measure distance

Total distance: 4.72 km (2.93 mi)

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Gazette

FRIDAY, 6 JUNE, 2003 kent 40p



Pleasurama court battle is halted

JIMMY Golden this week withdrew from court action over the Pleasurama site in Ramsgate, leaving Thanet Council clear to begin development.

Mr Golden and his company Blueridge Properties were being sued by the council for not developing the land and for failing to remove his name from the Land Register.

The case was due to be held at the High Court on Tuesday.

The businessman said he pulled out against his own legal advice and added: "We decided against pursuing the issue so that a development can go ahead in the interest of local people and businesses."

Council leader Sandy Ezekiel said: "We will work to ensure there is quick progress on the site and we get a development which local people and visitors can be proud of."

LOW-FLYING PLANE CAUSES HOMES SCARE



Tiles ripped off roof

TILES were ripped off a roof in Ramsgate after a plane flew low over homes.

Residents claim a large white plane flew so close to homes in Southwood Gardens that it blew windows open and knocked over garden furniture.

A Manston airport official confirmed a complaint had been received and said an investigation was under way. Diana Bourne was called away from work on Wednesday morning to see substantial damage to her roof and debris strewn across neighbour Gill Davis' garden.

Mrs Davis said: "It happened minutes after I left for a doctor's appointment. When I came back the net curtain and main curtain were blowing out and I thought 'what's going on?'".

"I looked up and saw the hole in Diana's roof."

Report by Gareth Dorrain and Katy Goodship

Pieces of tile were scattered 30ft across Mrs Davis' back garden and furniture had fallen over.

She believes that she would have been in danger of being struck by one of the falling tiles if she had not been at the doctor's appointment.

Mrs Davis contacted her

0% APR
OVER 3 YEARS
WITH NIL DEPOSIT
ON ALL FIESTA AND
FOCUS LX AND GHIA
ENDS JUNE 30TH

TYPICAL EXAMPLE

Fiesta 1.4 16v LX 3dr	
Cash price	£9599.76
Deposit	Nil
Balance	£9599.76
36 monthly payments of	£266.66
Total amount payable	£9599.86

APR 0%
FINANCE AVAILABLE TO OVER 18s SUBJECT TO STATUS WRITTEN DETAILS ON REQUEST. LICENSED CREDIT BROKER. INDEMNITIES MAY BE REQUIRED. VEHICLES MUST BE REGISTERED BY JUNE 30.

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Thanet Council: For Margate, Ramsgate and Broadstairs offices: 577000

Local MPs: North Thanet: Roger Gale 01843 846588, mornings only
South Thanet: Steve Ladyman c/o House of Commons, Westminster, London SW1 9QA or phone 01843 862906 or Answer
www.scottishmp.org.uk

MEPs: Mick Watts, Euro Office, 29 Park Road, Sittingbourne, ME10 1DR 01795 477800
Daniel Hannan, Conservative Central Office, 32 Smith Square, London SW1F 9EH 0207 964 6238

Careers centres: Margate: Third Floor, Mill Lane House, Mill Lane, 220028, Wednesday 10am to 4.30pm. Other weekdays 9am to 4.30pm.

Queen Elizabeth the Queen Mother Hospital 225544 (open visiting)

Red Cross: Emergency Domiciliary Personal Care Service 0976 513084

Crisisstoppers: 0800 566111

helplines

Alzheimer's Disease Society: 01227 372737

Samaritans: 01227 457777

Thanet Ovals, for the lonely and suicidal 299999

RSPCA: 0870 5655999, (24 hours)

KCC Disability Hotline: 587231 (24 hours)

Confidential HIV Testing/Advice: 01227 789320

EK Unit for Breast Screening: 084330 (9am to 3pm Tuesdays and 10am to 12.30pm Thursdays. Answer phone at all other times)

Citizens Advice Bureau Broadstairs: 809350, Margate, 225873.

● If you have any concerns or views about the content of this newspaper please write to the appropriate person at the addresses listed above.

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Theatre group's 25 years on stage - see page 6

● This week's aerial photos are Manston Village, and Ramsgate Football Ground



Recycled paper made up 63.6% of the new newspaper for UK newspapers in 2002

Options Pregnancy Clinic: Free pregnancy testing, confidential counselling and support. 286222 (24-hour answerphone)

Kent Information Federation: Free confidential service for disabled, carers etc. 080 8808 5050 (24-hour answerphone, or 10am to noon, Monday to Friday)

Petsearch UK: 831865
www.ukpetsearch.freeuk.com

Prostate Help Association: 01622 753235

Victim Support: 601180

National Society for Epilepsy: 01434 601400
www.epilepsysoc.org.uk

Headway (head injury support unit): 230252

Thanet Mediation Service: 294771

Thanet Local Care: 570975 (24 hours)

chemists

The following chemists will be open on Sunday
RAMSGATE: Sainsbury's Pharmacy, 426 Margate Road, Westwood (10am to 4pm)
BROADSTAIRS: Superdrug Pharmacy, 20-22 High Street (10am to 4pm)

blood donors

Wednesday: Baptist Church Lecture Hall, New Street (see rear), Margate (1.30pm to 4pm and 5pm to 7.30pm)

high tides at Ramsgate

Add 50 minutes for Margate and eight minutes for Broadstairs times.

Friday	04.09 - 16.24
Saturday	05.04 - 17.21
Sunday	06.09 - 18.28
Monday	07.21 - 19.40
Tuesday	08.29 - 20.45
Wednesday	09.27 - 21.43
Thursday	09.19 - 22.36

Christmas Day thief avoids prison

A JOBLESS and penniless Margate man broke into a car and stole a CD disc case on Christmas Day, a court has heard.
A neighbour in Lyndhurst Avenue spotted Roger Gaitens with his arm through the smashed window and chased him off. Gaitens was seen to throw the case into a nearby garden, where it was later recovered.
Gaitens (46), of Approach Road, admitted stealing the case when he appeared at Canterbury Crown

Court last Friday. He also admitted two further charges of breaking into cars in Margate and stealing a laptop computer and a jacket.
Andrew Jones, prosecuting, said that blood found on the cars produced DNA samples that matched Gaitens.
When seen by police he admitted the offences.
Peter Alexak, defending, said that Gaitens had been released from prison in November last year, but

the social security department had his discharge papers, leaving him without money and unable to get any state benefit.
It had been in desperation that Gaitens broke into the cars, Mr Alexak said.
Recorder Charles Gratwick made a two-year community rehabilitation order but warned Gaitens that any breach would mean the order being revoked and a return to prison.

Force 'blew right through my house'

● From front

neighbour at Hereson School. "My neighbour phoned me at work to tell me," Mrs Bourne said. "When I saw what happened I called the roofer straight away because it was starting to rain."
About 40 tiles were damaged and Mrs Bourne thinks a large section of the roof may have to be replaced.
She added: "The flight investigation officer told me it may have been turbulence that caused the damage."

"I'm a bit philosophical about these things," she added. "No one was hurt and a roof can be fixed."
Susan Kent was getting washed in her bathroom when the plane flew over. She said: "It blew right through my house like a great force."

"I'm used to planes flying over here but I felt quite shaken."
"I tried to ring the airport but there was no answer."

A Manston Airport spokesman said he didn't know the type of plane involved or what may have caused the damage to the roof.

He added: "We have had a complaint from a resident in the Ramsgate area informing us of damage to the roof of a local property."

"The incident is currently being investigated." The incident followed days after an aeroplane was spotted flying



Garden furniture and roof debris were scattered over Gill Davis' garden

KT1194/E

just 90ft above homes in St Nicholas.

Robin Tapsell and his wife feared a crash on Thursday last week when the Boeing 747 freighter plane appeared to be landing before pulling up again.

Mr Tapsell, of Monkton Street, said: "It was about 8.45am and it was trying to land at the airport."

"It went over our conservatory at about 90ft. "We looked up and just couldn't believe it."

"It was in completely the wrong direction and it was absolutely terrifying. My wife was an absolute mess."

He said the plane was travelling from St Nicholas over Monkton Street before turning left towards the Prospect roundabout.

"There was an enormous roar when it came up again to pull itself out," Mr Tapsell said.

Airport officials said the pilot tried to carry out a "missed approach procedure" and went round the airport before landing safely.

"The Air Atlanta Icelandic had flown from Marana, Arizona, to Manston to collect out-bound cargo."

An investigation is under way.



Windows in Susan Kent's house were blown open

KT1194/9A

Gale re-selected to fight election

NORTH Thanet MP Roger Gale has been re-selected to fight his seat at the next general election.

At the annual meeting North Thanet Conservatives unanimously endorsed the recommendation of the Executive Council.

Ramesh Chhabra of Cliftonville was re-elected as the party's youngest senior association chairman.

Speaking following his re-

selection Mr Gale said: "I regard it as a particular privilege and honour to be my party's standard-bearer and to represent all of the people of the North Thanet constituency in Parliament."
"Under the chairmanship of Ramesh Chhabra we have made significant gains during the past year, taking control of Thanet Council and doubling the number of council seats that we hold in

Herne Bay. We now look forward with confidence to playing our part in delivering Conservative Members of the European Parliament for the south-east in the elections next year, to strengthening our county council position and to contributing the North Thanet seat as part of a new Conservative Parliamentary majority at the next general election."

First green fun festival

THANET'S first Green Festival of Fun takes place in Ramsgate today (Friday) and tomorrow.

It features the world's only wind- and solar-powered big top. There will also be a roadshow and music. The festival will be held from 10am to 5pm at Government Acre and admission is free.

ic a new website... www.icKenthomes.co.uk Gazette

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Vortex damage to house roofs from over-flying planes

There have been a considerable number of incidents where houses have been damaged by vortices, caused by planes flying overhead.

The reason is well understood. Planes cause turbulence in the air they fly through, and these can continue for some time, and descend to the ground, especially if there is little wind to break them up.

The effect is often that tiles or slates are sucked off roofs, and can then cause injury as they fall to the ground. The house holder is left with a damaged roof in need of urgent repair.

The airports see themselves as not being liable for the damage, and say it is up to the airlines to provide compensation.

However, at a number of airports, there is a scheme through which householders whose roofs are damaged can obtain prompt compensation.

Details of the [Birmingham Airport Vortex Protection Scheme](#) and the [VPS Leaflet](#).

Details of the [Manchester Vortex Protection Scheme](#).

Details of the [Heathrow Vortex Protection Scheme](#) and [Download Vortex Protection Scheme leaflet](#) (1,221KB PDF).

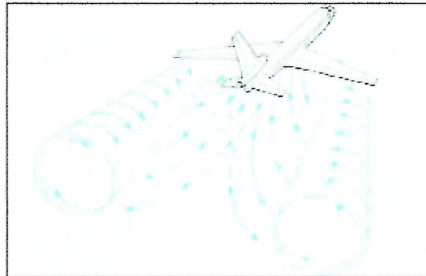
How the damage is caused:

<http://www.airportwatch.org.uk/the-problems/vortex-damage-to-house-roofs-from-over-flying-planes/>

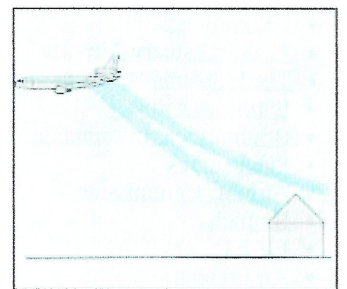
On a clear day it is possible to see the path of an aircraft high in the sky, travelling to some far off destination. The path is clearly marked by a vapour trail that has a defined width, and remains in the sky for a long period after the aircraft has passed. The vapour trail is technically known as an aircraft wake vortices. At many hundreds of miles per hour, the strength of the vortices generated by the wings and fuselage cutting through the air, and added too by the thrust from the jet engines, are enormous.



The disturbance generates spiralling cones of air (the vortices), much like a tornado. The force of the vortices takes a long time to dissipate as there is little in the upper atmosphere to slow it down.



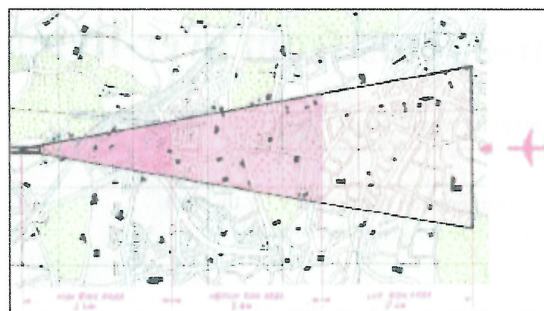
Closer to the ground large aircraft travel much slower, and the atmosphere is much thicker, so the vortices that are generated are less powerful and dissipates quicker. The most critical period is when a large aircraft is coming into land, when it is common for the aircraft wake vortex to reach the ground. The force of the vortex can suck tiles or slates off the roofs close to the flight path.



The main risk factors

The risks of being affected by an aircraft wake vortices can be assessed by looking at various know factors

- Is the location of the building under the flight path into a major airport or military air base? The flight path can be up to 10 degrees either side of the centre line and up to 6Km from the touchdown point.



- The direction of landing. More damage is created by aircraft coming in to land than taking off, due to the shallow rate of decent, relative to the steep rate of climb when taking off. Coming in to land the aircraft are lower beyond the end of the runway
- The size and weight of the aircraft, and the speed at which they land can make a big difference. It is the wide-bodied aircraft that record the most strikes, as there are more surfaces on the aircraft to generate the vortices.



- The weather conditions have a major effect. Windy and wet weather breaks up the structure of a vortex quicker than still clear conditions.

Vortex strikes

Unlike hurricane force winds, which affect the perimeters of a roof (especially the ridge and verge), aircraft wake vortices damage occurs in the centre of a roof slope, as the edges of the roof break up the vortices rather than help it. The average vortex is approx. 500mm wide, will travel at about 5 Knots, and last for approx. 3 minutes in clear air. Once it comes into contact with a roof, the vortices can exert their total force of up to -1200N/m^2 on just one or two slates or tiles for a fraction of a second, before they break up and loses their energy. If the tiles or slates are not fixed securely, the sucking and twisting action of the vortices can lift them out of place.



Fixing specification

To resist the force of the vortices it is essential that the tiles and slates can not lift at the tail of the tile or slate, and can not rotate. This can be achieved with tiles by being head nailed to the batten and tail clipped with a rigid clip. The smaller the tiles the more fixing can be installed per square metre of roof. Plain tiles should be fixed with either ring shank nails with a thick strong nail head or screwed. For double lap slate, centre nailing with ring shank nails should be adequate. Roofs clad with metal sheeting or built up systems do not appear to be vulnerable to aircraft wake vortices damage as the small footprint of a vortex relative to the large surface area of the panel will allow the load to spread to a greater number of fixings.

Program of repairs

The existing roofs that are under the flight path into major UK airports, starting with London Heathrow, are likely to be subject to a planned or programmed roof replacement scheme. However for all new buildings under a flight path it is the responsibility of the designer/ specifier to ensure the correct fixing specification is used to ensure no roof damage is caused by the effect aircraft wake vortices. In most instances the airport authority will be able to advise if the size of aircraft using the airport is an issue, and the exact line of the flight paths. With this information, the assistance of the roof tile or slate manufacturer should next be sought to determine the correct fixing specification for the roof.

Further reference

To assist designers and engineers, the Building Research Establishment has produced a Digest number 467 entitled "Slate & Tiled Roofs: Avoiding Damage from Aircraft Wake Vortices", giving all the information needed, including sample calculations.

Conclusion

The number of pitched roofs in the UK that may be affected by aircraft wake vortices is very small, but the affect an aircraft wake vortex can have on a pitched roof can be very disruptive. The development of some brown field sites under the flight path into airports, and the extension of existing airports to take more air traffic will increase the overall number of roofs that could be affected. It is therefore important for building designers and specifiers, who intend to build near an airport to understand and be aware of the potential problems that aircraft wake vortices can have and where to get the information needed to ensure it does not become a problem for their project.

[link](#) to article

There is a report done by Halcrow, for London City Airport, in December 2010, which gives a lot of detail about wake vortices;
[LCY Wake Turbulence Study by Halcrow for City Airport 2010](#)

Some incidents of roof damage – from the news:

28 incidents of roof damage in Florsheim, near Frankfurt between opening of new 4th runway in October 2011 and April 2016. [read more](#)
[.....](#)

Damage to roof and falling tiles, Birmingham 12.10.2014 [read more](#)

Damage to roof in Florsheim, Germany 3.4.2013 [read more](#)

Damage to house in Old Windsor 22.3.2013 [read more](#)

Belfast residents call for independent inquiry into yet another roof tiles incident 6.6.2010 [read more](#)

I was hit by roof tile dislodged by jet, claims Belfast resident 10.6.2010 [read more](#) and [read more](#)

Damage at George Best Belfast City airport 13.9.2009 [read more](#)

Damage at Birmingham airport over several years [read more](#)

Damage in Germany 13.11.2009 [read more](#)

Damage in Thailand 6.10.2006 [read more](#)

There is an interesting article about the [potential dangers to planes of flying into the vortex](#) of the plane in front.

Press release from GACC (Gatwick Area Conservation Campaign)

6 June 2011

New Vortex Strike Policy

GACC is glad to announce agreement on a new Vortex Strike Policy at the airport.

When Gatwick Airport sought planning permission for scheduled A380 services, GACC was concerned that such large aircraft create powerful vortex wakes that might cause damage to properties in the vicinity. We suggested the airport should offer to compensate owners of properties damaged in this way. The airport responded, in October 2010, with a scheme that was inferior to that at Heathrow, covered only domestic properties and was limited to £10k.

We are now pleased that, as a result of pressure from GACC, Gatwick Airport Ltd have agreed a much improved scheme that covers domestic properties (including homes above commercial properties), schools, churches and hospitals. Only commercial properties are excluded, on the basis that they would normally have adequate insurance protection.

Anybody who thinks they have suffered vortex damage to their roof should call Gatwick Airport Ltd on 0800 393 070 or email lgwnoise_line@gatwickairport.com.

The full policy is available on the Gatwick web site at

http://www.gatwickairport.com/PublicationFiles/business_and_community/all_public_publications/aircraft_noise/VortexPolicyMarch2011.pdf

The original Vortex Damage Policy submitted as part of the planning application is on the Crawley Borough Council Web site at :- <http://www.crawley.gov.uk/stellent/groups/public/documents/plappother/int197201.pdf>

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