



Air Chief Marshal Sir Stephen Hillier Chief of the Air Staff "Our founders one hundred years ago would be astounded by our air and space capabilities today, and what we have achieved throughout our history. But they would also be reassured that the identity, ethos and self-belief that they breathed into the Royal Air Force at our birth remains as fresh and powerful today as then."

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Wayne Protheroe: Flypast Formation/

Planning and Coordination

The Cake

Standing 1.3 metres high, with a base layer 1 metre x 1 metre, the RAF's Centenary sherry and brandy fruit cake was inspired by Cpl Ian Mark, then a Chef Instructor at Food Services Training Squadron Air [FSTS(A)]. Acting as the Project Officer and Head Chef responsible for the innovation and creation of the cake, Ian was assisted by FS Alun Davies and Cpl Davey-Smith, fellow instructors from FSTS(A) Worthy Down. Students from Ian's Phase 2 Chef Basic Course also helped to make the cake's base. Ian used the RAF100 motto Commemorate, Celebrate and Inspire as his theme and created period aircraft to celebrate the RAF's achievements. All models were handmade from sugar paste, supported by wire wrapped in green, petal-paper hidden either by stripes or poppies. The red, white and blue stripes on the outside of the cake (from the bottom to the top of the cake) signify the coloured smoke of the Typhoon as it travels symbolically from 1918-2018. "It was a massive honour and privilege to have been asked to produce the cake for such a momentous occasion," says Ian. "It was a steep learning curve and one which I will never forget."

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FOREWORD BY **AVM GERRY MAYHEW**

Senior Responsible Owner for the RAF100 Flypast (then Air Officer Commanding, No 1 Group, now Assistant Chief of the Air Staff). *Image by SAC Jack Welson*

As the Senior Responsible Owner for the delivery of the RAF100 Flypast in our Royal Air Force's centenary year, it gives me great pleasure to open this brochure with a short reflection on the pinnacle of what was an outstanding campaign.

Underlining the core tenets of RAF100 of Commemorate, Celebrate and Inspire, I was left in no doubt that the Flypast did exactly that. We showcased to Her Majesty The Queen, the Government, our Nation and people around the world, an uncompromising demonstration of the broad nature of the Royal Air Force's contribution to Air Power 100 years after the Service's formation as the World's first independent Air Force. From the commemorative aspects of the Battle of Britain Memorial Flight and the celebration of today's RAF personnel across so many of our current fleets of aircraft to the inspirational sight of 22 Typhoons in a perfect '100' formation, and, of course, our newest and most technologically advanced aircraft, the F-35 Lightning, the Flypast was an awe-inspiring spectacle. None of it would have been possible without the skills and determination of the men and women in this brochure.

Testament must also go to those who organised and planned this Flypast and to all who supported its success. What we all saw on the day was the final product of months of planning, engineering excellence, and practise. Delivered by the aircrew, they could not have achieved their goal without the dedication of their engineers, the skills of the Air Traffic Controllers, both military and civilian alike, and the collaboration of the Civilian Aviation Authority and the airfields and airports across the UK. In sum, this was a team effort reflecting the Royal Air Force of the past, the present, and undoubtedly of the future. I am immensely proud to have been involved with such a high-profile event and I trust you enjoy this superb brochure.

Air Vice-Marshal Gerry Mayhew



INTRODUCTION BY WG CDR KEV GATLAND

RAF100 Flypast Project Officer and Chief of Staff, Tornado GR4 Force Headquarters, RAF Marham, responsible for all elements of coordination for the project.

Image by Cpl Victoria Goodall

On 10 July 2018, exactly 100 years and 100 days after the formation of the world's first independent Air Force, a large Flypast celebrating the Royal Air Force's centenary year overflew Buckingham Palace in Central London for review by Her Majesty The Queen.

Comprising of 103 aircraft of 24 types, and more than 250 aircrew from 25 squadrons, the Flypast epitomised the ethos of the RAF. Every trade, role and specialisation combined to create a spectacle that *commemorated* the RAF's glorious past, *celebrated* current achievements and will *inspire* future generations as the Royal Air Force enters its second century.

The Flypast – the largest formation of military aircraft over London in 30 years – operated from 14 RAF stations and 3 civilian airfields and had 19 spare aircraft, a stand-by airto-air refuelling tanker and three weather check aircraft to ensure success. Utilising the largest ever Restricted Airspace put in place by the Civilian Aviation Authority, Air Traffic Control agencies communicated with the aircraft on more than 50 unique radio frequencies from 18 different locations, with the Flypast converging on Buckingham palace at 13.00 hours local time.

All 103 aircraft closed to within a 9 minute 15 second, 15km-long stream before splitting and overflying the Runnymede Memorial, the RAF Museum at Hendon, London's Heathrow Airport and Windsor Castle. More than half of the participating types were concurrently involved on operations in the UK and overseas.

This specially produced publication provides an historical record of those who participated in bringing together the Flypast and will go some way to demonstrate the breadth and depth of planning and organisation involved in delivering such a momentous event.

Wing Commander Kev Gatland
MA RAF



PARADE AND PAGEANTRY

The RAF100 Parade was commanded by Group Captain Anne-Marie Houghton, the first female navigator in the Royal Air Force. The Centenary Parade comprised 1,000 personnel and represented the diverse roles performed by the RAF during our first century. Music was provided by The Central Band of the Royal Air Force, The Band of the Royal Air Force Regiment, The Band of the Royal Air Force College and The Royal Air Force Pipes and Drums.

The parade also featured a Guard of Honour, the seven Royal Air Force Queen's Colours, the Service's

55 Squadron Standards and four Escort Squadrons, each including one Officer, 20 Senior Non-Commissioned Officers and 100 other ranks.

QUEEN'S COLOUR

Held in custody for the Royal Air Force in the United Kingdom by The Queen's Colour Squadron, the Queen's Colour for the Royal Air Force in the United Kingdom comprises Royal Air Force blue silk, with fringe, cord and tassels of mixed blue and white. It bears the Royal Cypher in the centre between the Union Flag and three roundels – red upon white upon blue.



Her Majesty The Queen presenting the new Colour to the RAF at Buckingham Palace. Image by Sqt P J George





Top: Image by Sgt P J George **Bottom**: Image by Christopher Yarrow











Top: Royal Air Force Pipes and Drums. Image by Cpl Scott Robertson
Middle Left: Parade Commander, Gp Capt Anne-Marie Houghton. Image by Kate Rutherford
Middle Right: Image by Hayley Ward
Bottom Left: Image by Sgt P J George
Bottom Right: Feu de joie. Image by Cpl Scott Robertson

AIRCRAFT: THE PLAYERS

3x Puma HC Mk 2 XW217, XW199, ZJ956 (Vortex)

6x Chinook HC Mk 4/Mk 6 ZK561, ZK559, ZD574, ZA704, ZA683,

ZA670 (Vortex)

2x Juno HT Mk 1 ZM518, ZM519 (Spectre)

1x Jupiter HT Mk 1ZM500 (Spectre)1x BBMF Dakota C Mk 3ZA947 (Dakota)1x BBMF Lancaster B1PA474 (Memorial)

3x BBMF Spitfire MK356, TE311, PS915 (Memorial)

2x BBMF Hurricane PZ865, LF363 (Memorial)

3x Prefect T Mk 1 ZM305, ZM306, ZM319 (Warboys)

9x Tucano T Mk 1 ZF290, ZF239, ZF512, ZF348, ZF407, ZF142,

ZF287, ZF374, ZF291 (Swift)

2x Shadow R Mk 1 ZZ417, ZZ418 (Snake)

2x Hercules C Mk 4/C Mk 5 ZH887, ZH868 (Zorro)

1x Atlas C Mk 1ZM416 (Grizzly)1x C-17A Globemaster IIIZZ172 (Blackcat)1x BAe 146 CC Mk 2ZE700 (Blackcat)

1x Sentinel R Mk 1ZJ692 (Snapshot)1x Voyager KC Mk 2ZZ330 (Tartan)1x Rivet Joint RC-135WZZ665 (Goose)1x Sentry AEW Mk 1ZH103 (Sentry)

9x Hawk T Mk 1 XX246, XX205, XX321, XX303, XX348, XX255,

XX202, XX318, XX339 (Aggressor)

9x Hawk T Mk 2 ZK020, ZK012, ZK025, ZK013, ZK030, ZK010,

ZK028, ZK032, ZK031 (Ninja)

9x Tornado GR Mk 4 ZD849, ZA543, ZD792, ZG775, ZA585, ZA588,

ZA597, ZA546, ZG752 (Monster)

3x Lightning F-35B ZM145, ZM147, ZM148 (Gibson)

22x Typhoon FGR Mk 4/T Mk 3 ZK354, ZK319, ZK320, ZK314, ZK308, ZJ942,

ZJ802, ZJ916, ZJ920, ZJ950, ZK306, ZK307, ZK310, ZK312, ZK316, ZK342, ZK383, ZJ939, ZK301, ZK357, ZK318, ZK304 (Warlord, Triplex,

Cobra)

9x Red Arrows XX219, XX244, XX245, XX278, XX310, XX311,

XX319, XX322, XX325 (Hawk)

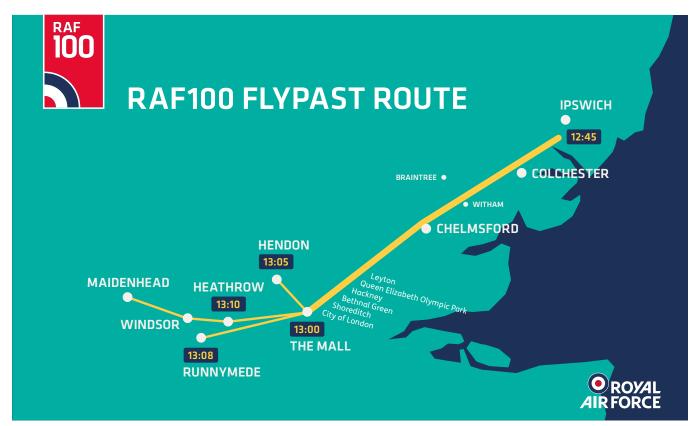


PLANNING AND COORDINATION

The Flypast of 'Windsor Formation' on the 10 July 2018 drew together all three goals of the Royal Air Force in its 100th year – to *Commemorate, Celebrate* and *Inspire*. The composition and size of the Flypast is truly momentous and worthy of the world's first independent Air Force. It is comprised of virtually every platform that the RAF currently operates, but to safely and efficiently generate such a spectacle, an incredible amount of planning over the previous 12 months has been completed.

The Flypast's Project Officer was Wing Commander Kevin Gatland, Chief of Staff at the Tornado GR4 Force Headquarters operating from RAF Marham. Wing Commander Gatland has been responsible for all elements of coordination for the project, drawing operational and instructional experience as a Tornado GR4 Navigator to pull together all of the necessary components, both military and civilian. Before detailed planning could commence, engagement across the RAF was required to ascertain feasibility on the size, duration and formations of the Flypast, which aircraft types and squadrons would participate, and the final order of aircraft.

This extraordinary number of aircraft – more than four times as large as the annual Queen's Birthday Flypast – required detailed liaison and integration



RAF100 Flypast Route. Graphic by Richard Monk



with the Civil Aviation Authority to ensure that huge areas of busy and congested UK airspace were safely de-conflicted, while retaining maximum civilian usage and flexibility to continue operating into the national, regional and minor aerodromes in the South of England.

OPERATIONS AND CONTROL

Significantly, the cooperation of London Heathrow, London City Airport and numerous civilian airfields was critical to formulating a workable 'concept of operations' for the Flypast. All of this liaison had to be documented and approved and set out in an 'Operation Order' and distributed to all involved from the RAF's Chief of the Air Staff down to the most junior rank working in air traffic control or an operations room, as well as a myriad of civilian organisations.

Once the concept of operations of the Flypast had been agreed, Wing Commander Gatland along with Squadron Leader Matt Axcell and Squadron Leader Mo Abdallah commenced the task of detailed 'tactical-level' planning of individual aircraft and formation routes. Squadron Leader Axcell and Squadron Leader Abdallah, of 31 Squadron, who operate the Tornado GR4 from RAF Marham were also assigned the prestigious callsign of 'Windsor Lead' for 10 July 2018.

After numerous meetings, and following the concept of a safe 'chock-to-chock plan', the team painstakingly and meticulously specifying every individual aircraft's route and timing from the first turn of a propeller or turbine to 'wheels stop' on landing. The plan was constantly iterated as new information was obtained from both the squadrons involved, as well as the expert guidance of the RAF air traffic control team.

RAF100 CENTENARY PARADE AND Lancaster B1 Spitfire Mk IX, Mk XVI Mk XIX **FLYPAST** Hurricane Mk IIc Prefect T1 Shadow R Mk 1 Hercules C Mk 4 **COMMEMORATE** CELEBRATE BAe 146 CC Mk 2 Voyager KC Mk 2 Rivet Joint RC-135W Sentry AEW Mk 1 Hawk T Mk 1

Led by Squadron Leader Lorraine Hawthorne and Warrant Officer Mel Young, a robust communications plan was required that incorporated the RAF and civilian controllers at the National Air Traffic Services control room as well as wider military and civilian controllers at airfields across the UK.

The controllers were responsible for the safe and expeditious passage of the aircraft flying over London, but also played a crucial role in bringing over a hundred aircraft together as one formation

Top: Sqn Ldr Mahmoud Abdallah planning with Flypast crews. *Image by Cpl Steve Buckley* **Right**: *Graphic by Wayne Protheroe*



in East Anglia before safely dispersing and routing them back to their home airfields across the UK.

ROUTES AND OVERFLY

Intricate formation planning was held at RAF High Wycombe and RAF Marham where individual formation lead aircrew were brought together and the aircraft routes were finalised prior to the release of the 'Flypast Operation Order'. Additional sites were selected to have elements of the Flypast overfly. These included the Northerly runway at Heathrow Airport, the RAF Memorial at Runnymede, Windsor Castle and the RAF Museum at Hendon. Each of these locations required additional comprehensive planning and coordination.

The planning phase was concluded on 28 June when the team presented one of the most complicated and detailed UK multi-formation plans ever devised, to the Senior Responsible Owner for the Flypast, Air Vice-Marshal Gerry Mayhew (then Air Officer Commanding, No 1 Group, now Assistant Chief of the Air Staff). With his approval, the task of turning the ambitious plan into airborne reality began. During the month of June, individual aircraft types rehearsed their specific formations, while

Top: RAF100 Rehearsal. Tornadoes over RAF College, Cranwell. Image by Gordon Elias

Bottom Left: Sentinel planning meeting.

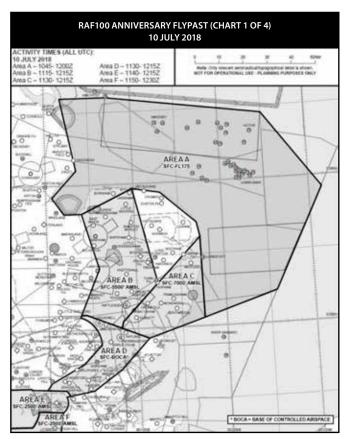
Bottom Right: Image by SAC Amy Lupton

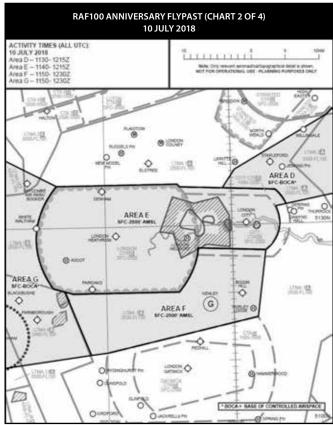
continuing to maintain operations across the globe, protecting UK skies and generating training output for future generations of pilots, aircrew and engineers. The superlative work of the engineers was matched by every trade across the RAF with Logistics, Operations, Administration and Communications being fully involved in generating the largest single mass of aircraft seen for many decades.

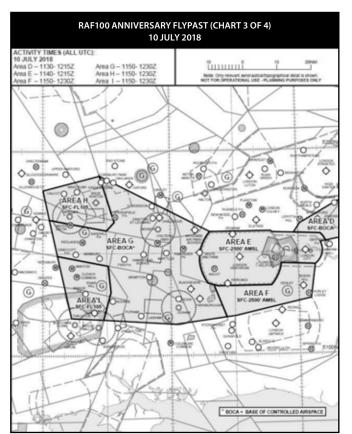
FINAL APPROVAL

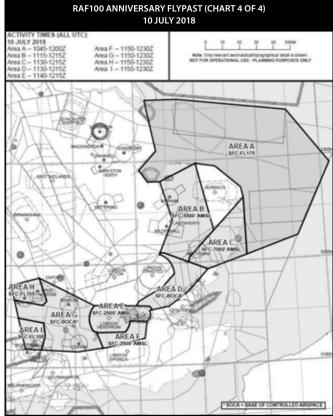
Prior to the main event on 10 Jul 18, approval and a final confirmation of the Flypast was required by Air Vice-Marshal Gerry Mayhew. This requirement was satisfied by a successful practice Flypast conducted overhead RAF Cranwell where the RAF Officers' College was a fine stand-in for Buckingham Palace. With a host of Senior RAF Officers, VIPs and national Press observing from the ground the final approval for the historic Flypast was granted.











The RAF100 Restricted Airspace - the largest that the CAA has ever put together; key to this process were Rob Gratton and Matt Lee.



FLYPAST EXTRAVAGANZA

PUMA AND CHINOOK: The RAF Support Helicopter (SH) Force operates under Joint Helicopter Command and includes the *Chinook HC Mk 4/Mk 6* (based at RAF Odiham) and the *Puma HC Mk 2* (based at RAF Benson). Both stations provide critical, rapid support for UK military operations throughout the world and deliver direct support to the Field Army, Royal Marines and UK Special Forces. They can be tasked in a

variety of roles including assault trooping, transport, refuelling and aeromedical evacuation. Both SH platforms are incredibly versatile, able to operate in all weathers, day and night and in any environment. Both types are supported by a joint Operational Conversion unit, 28 (Army Co-operation) Squadron, and Joint Helicopter Support Squadron based at RAF Benson.







Top: Image by SAC Amy Lupton
Middle Left: Image by SAC Amy Lupton
Middle Right: Image by SAC Pippa Fowles
Bottom: RAF Odiham, 27 Sqn aircrew.
Left to Right: Flt Lt Jenny Boyd (Pilot); Sqn Ldr Jay Berry (Pilot & Captain);
Flt Sgt Pete Welsh (Crewman); Sgt Kelly Fitzpatrick (Crewman). Image by SAC James Goff



JUPITER AND JUNO: The Defence Helicopter Flying School (DHFS) based at Royal Air Force Shawbury now operates the Juno HT Mk 1 as the primary training aircraft, as well as three Jupiter HT Mk 1 aircraft at RAF Valley. These new aircraft represent a leap in technology compared to previous types and provide an excellent platform to prepare students for the rigours of operating increasingly

complex frontline types in the most challenging of environments. The DHFS provides helicopter training for pilots and rear-crew from the Royal Navy, Royal Marines, British Army and Royal Air Force, as well as partner nations. It takes them to a level where they are ready to move on to operational aircraft with frontline conversion units.





Top and Middle: Image by Cpl Tim Laurence **Bottom**: Juno and Jupiter aircrew. Image by Ian Forshaw



THE BATTLE OF BRITAIN MEMORIAL FLIGHT (BBMF):

Comprising one Dakota C Mk 3, one Lancaster B 1, three Spitfires Mk IX (MK356), Mk XVI (TE311) and Mk XIX (PS915), and two Hurricanes Mk IIC (LF363) and Mk IIC (PZ865), these iconic Second World War aircraft are preserved as a tribute to those who lost their lives while serving in the Royal Air Force. The BBMF epitomises the commemorative element of the RAF100 celebrations, remembering all those who have lost their lives serving in the Royal Air Force, or its predecessor the Royal Flying Corps, in all conflicts from 1914 up to the present day.









Top: Image by Cpl Tim Laurence

Middle Left: Spitfire TE311 from the back of the Lancaster. Image by SAC James Skerrett Middle Right: SAC Burke works on Hurricane LF363. Image by SAC Helen Rimmer

Bottom Left: Inside the Lancaster cockpit on the way to RAF Fairford after the Flypast. Image by SAC James Skerrett

Bottom Right: The 'Trenchard Plus' formation, created for the centenary in honour of Lord Trenchard.

Image courtesy of Clive Hubbard



PREFECT: Elementary Flying Training (EFT) transitions to a new aircraft and new way of training. Part of No.3 Flying Training School, the EFT's job is to teach pilots from the RAF, the British Army and the Royal Navy how to fly. The Tutor, the mainstay of EFT since the millennium, has been replaced with the Prefect T Mk 1. With well over twice the power, a digital glass cockpit and a retractable undercarriage, the Prefect represents the first stage of flying training for new pilots and is one of the newest aircraft in the RAF's inventory.





Top: Image by Cpl Tim Laurence **Bottom**: Prefect aircrew led by Wg Cdr Ian Bews (centre). Image by Paul Saxby



TUCANO: Having served the RAF for more than 25 years, the *Tucano T Mk 1* is a Basic Fast Jet Trainer at No.1 Flying Training School (FTS), RAF Linton-on-Ouse, training all RAF and Royal Navy Fast-Jet pilots. The aircraft goes out of service in October 2019, handing over to the new *Texan T Mk 1* that will be based at RAF Valley. Students on Tucano learn to fly formation, advanced handling and navigate to find targets at low level, with only a map and stopwatch, before being awarded their Fast Jet Wings and progressing to the *Hawk T Mk 2*.





Top: Image by Richard Beattiee **Bottom**: Pilots of 72 Sqn involved in the 9-Ship flypast. Image by Ron Blenkinsop

SHADOW: Operated in the Intelligence, Surveillance and Reconnaissance (ISR) role by 14 Squadron based at RAF Waddington, the *Shadow R Mk 1* is a modified version of the civilian Beechcraft King Air 350 series and entered service in 2009 as part of an urgent requirement to support Operation HERRICK in Afghanistan. Through its comprehensive suite of sensors, the aircraft provides vital real-time information to commanders on the ground.







Top Right: Image by Cpl Tim Laurence **Bottom**: Shadow aircrew led by Sqn Ldr Matt Leyman (centre). Image by SAC Phil Burke



FLYPAST FORMATION











HERCULES: The Hercules C Mk 4/C Mk 5 is the longest-serving operational aircraft in current service. The C-130 has been continuously deployed at the forefront of global operations and will continue to do so into the future. At the end of the Falklands conflict, over 36 years ago, it was the first British tactical transport aircraft to land at Port Stanley and

the C-130 fleet maintained a presence at Mount Pleasant until April 2018, before handing over to the Atlas C Mk 1. The C-130 was also the first British aircraft to land in various conflicts: in Kuwait after the Iraqi retreat, in Bagram during the liberation of Afghanistan and in Tripoli during the withdrawal of UK civilians from Libya.







Top: Image by Cpl Tim Laurence Middle Left: Image by Paul Crouch Middle Right: Image by Luka Waycott Bottom: Hercules aircrew: Wg Cdr Andy Johnson, OC47 Sqn; Flt Lt Mark Raymond, 47 Sqn; Flt Lt Tom Arnold, 47 Sqn; Flt Lt Derek Oldham, 622 Squadron; Sgt Steve Stubberfield, 47 Sqn. Image by Paul Crouch



ATLAS: The latest multi-engine airlifter to join the RAF fleet, the *Atlas C Mk 1* was first delivered to RAF Brize Norton in November 2014, and the Atlas Force has steadily increased to the current 18 out of a planned 22 aircraft as of July 18. As well as standard airfields, it can operate from natural surface runways such as grass, sand or gravel. The Atlas has

already proved its worth in RAF service supporting military operations around the world, with aircraft currently deployed to the Falkland Islands and the Middle East. The Atlas Force is on constant readiness and was rapidly deployed in 2017 to provide much needed humanitarian aid to the Caribbean Islands devastated by Hurricane Irma.



Top Right: Image by Cpl Tim Laurence **Bottom**: Flt Lt Dave Ellis, Flt Lt Gary Davison, MAcr Ozzy Hicks.

Image by Sharon Floyd

C-17: Operated by 99 Squadron at RAF Brize Norton, the *C-17A Globemaster III* is the backbone of the Air Mobility Fleet. It provides the ability to transport vast quantities of vehicles, equipment and personnel to the furthest corners of the Earth, 365 days a year and at short notice. In its 100th year, Number 99 Squadron continues to fly global missions, recently providing disaster relief after Hurricane Irma in the Caribbean. The Squadron is also supporting the United Nations by delivering vital medical supplies to South Sudan and supporting military operations in Iraq, Afghanistan and Syria.

BAe 146: Operating with Number 32 Squadron, the *BAe 146 CC Mk 2* conducts transport duties for dignitaries, including the Royal Family.







Top Right: Image by Cpl Tim Laurence **Middle Left**: Image by Kate Rutherford **Bottom**: Left to Right: Flt Lt Andy Hoaen; Flt Lt Alan Davies; OC 99 Sqn Wg Cdr Marc Holland; Sgt Mike Bevan. Image by Steve Lympany



SENTINEL: Whether it is assessing the impact of flooding in Somerset, looking for the kidnapped Chibok schoolgirls in Nigeria or hunting Da'esh in the Middle East, V(AC) Squadron is constantly in

high demand. Sentinel R Mk 1 aircraft are actively deployed on operations, and can be found flying at much higher altitudes providing wide area surveillance of the ground.



Top: Image by Cpl Tim Laurence **Bottom**: Left to Right: V(AC) Sqn Sentinel aircrew. Image by SAC Phil Burke



VOYAGER: Operated by Number 10 and Number 101 Squadrons, the *Voyager KC Mk 2* provides airto-air refuelling, to extend the time in the air of the aircraft of the Royal Air Force, as well as transporting passengers and cargo. Voyager entered service

in 2011, replacing the RAF's fleet of *VC10* and *TriStar* aircraft and immediately began supporting RAF operations worldwide, including Afghanistan, Falkland Islands and more recently in Iraq and Syria.







Top: Image by Cpl Tim Laurence
Middle Left: Image by Cpl Sally Raimondo
Middle Right: Image by SAC Kitty Barratt
Bottom: left to right, Flt Lt Adam Mercieca, Sgt Andy Emberton,
10 Sqn Flt Lt James Beattie, 101 Sqn. Image by Paul Crouch



RIVET JOINT: Operated by Number 51 Squadron, the *Rivet Joint RC-135W* delivers battle-winning Signals Intelligence capability, supporting national and theatre requirements globally. The information

the aircraft provides enables Commanders to make informed decisions about the environment before them, from the strategic to the operational and tactical levels.





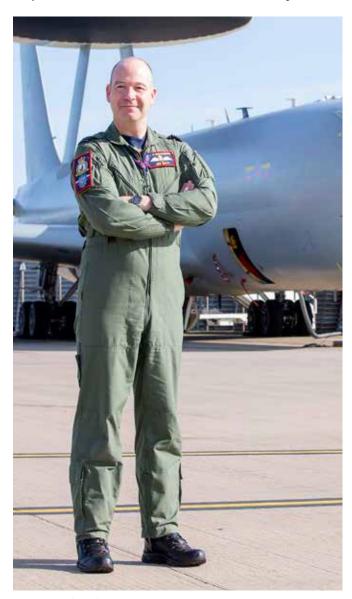
Top: Image by Cpl Sally Raimondo **Middle**: Image by Cpl Tim Laurence

Bottom: Rivet Joint aircrew. *Image by SAC Phil Burke*



SENTRY: Operated by Number 8 Squadron, the *Sentry AEW Mk 1* provides airborne command and control. The Arabian *Khunjah* (Dagger) was adopted as part of its crest along with the Latin inscription *'Uspiam et Passim'*, which translates to 'Everywhere

Unbounded'. Returning to the UK in 1972, 8 Squadron settled into its new Airborne Early Warning role at RAF Kinloss before relocating to RAF Waddington in 1991 to operate the E3-D Sentry.

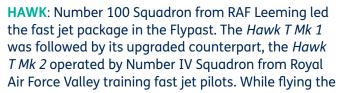














agile Mk 2 jet trainer, the next generation of fighter pilots are tested with air-to-air and ground-to-air threats which develop their cognitive decision-making skills and teach them the tactics, techniques and procedures they will need to thrive on the front line.





Top Left: Image by Cpl Sally Raimondo
Top Right: A Diamond 9 of No IV Saugd

Top Right: A Diamond 9 of No IV Squadron Hawk T Mk 2 on the

return flight to RAF Valley.

Middle: Hawk T Mk 1 aircrew. Image by SAC Hazel Reader

Bottom: Hawk T Mk 2 aircrew.



TORNADO: Number 31 Squadron and Number 9 Squadron are the last squadrons to fly the *Tornado GR Mk 4* bomber, which has evolved into today's dynamic platform that can deliver air effects precisely where and when needed. Striking multiple targets from long range, collecting reconnaissance imagery, supporting troops from directly overhead with live video feed of their enemy's position backed with accurate

weapons, the Tornado has proven itself time and time again. In continuous operational service since the Gulf War I, the mighty 'Fin', as she is affectionately known, has been the backbone of the RAF's ground attack and reconnaissance capabilities since its introduction to service in 1982. Due for retirement in March 2019, the Tornado Force is on operational service over the skies of Syria and Iraq today.







Top: Image by Cpl Tim Laurence

Middle Left: Taking off from RAF Ma

Middle Left: Taking off from RAF Marham to join the Flypast. Image by Sgt Nik Howe

Middle Right: Image by Luka Waycott

Bottom: Tornado aircrew. Image by Cpl Jimmy Wise



LIGHTNING: Flown by the historic Number 617 'Dambusters' Squadron – and operating from RAF Marham, the *Lightning F-35B* is an exceptionally capable aircraft, combining stealth with an array of intelligence, surveillance and air and ground attack

capabilities. Formed in 1943 as a specialist flying unit, and initially tasked to attack the dams of the Ruhr industrial area, 617 Squadron went on to be involved with many more special operations throughout the war, and indeed throughout the past 75 years.







Top: Image by Cpl Tim Laurence
Middle Left: Image by SAC Chris Thompson-Watts
Middle Right: Image by Cpl Paul Oldfield
Bottom: 617 Sqn Lightning takes off from RAF Marham to join the Flypast.
Image by Sgt Nik Howe

3



TYPHOON: Based at RAF Coningsby with Numbers 3(Fighter), 11(Fighter) and 29 Squadrons, and at RAF Lossiemouth with Numbers 1(Fighter), II (Army Cooperation) and 6 Squadrons, the *Typhoon FGR Mk 4* is a highly capable and extremely agile multi-role combat aircraft capable of being

deployed across the full range of air operations including air defence and ground attack. Comprising the largest display of the day and impressively showcasing a '100' formation in the sky, the Typhoon formation comprised 22 aircraft, including the T Mk 3.







Top: Image by Cpl Tim Laurence **Bottom Left**: Wg Cdr Andy Chisholm who led the formation. Image by SAC Wade **Bottom Right**: Image by Hayley Ward



RED ARROWS: The RAF Aerobatic Team (RAFAT) is in its 54th display season, showcasing the skill and professionalism of everyone in the Royal Air Force. Based at RAF Scampton, the Red Arrows first displayed in 1965. Since then they have performed almost 4,500 times in 57 countries, demonstrating the agility of the RAF, and representing the UK

at home and overseas. They promote the best of British, support UK industry and inspire people with a display of precision and teamwork in the air and on the ground. The team flies the *Hawk T Mk 1* and comprises 130 personnel, including pilots, engineers and essential support staff with frontline experience.







Top: Image by SAC Rose Buchanan Middle Left: Cpl Lydia Ford. Image by SAC Rose Buchanan Bottom Left: Wg Cdr Andrew Keith (OC RAFAT). Image by Cpl Steve Buckley Right: Image by Cpl Tim Laurence



MEDIA ENGAGEMENT THE HIGHLIGHTS

Build-up and reaction to the 10 July Parade and Flypast

Social media posts across HQ Air Command channels encompassed: 25 TV news networks (excluding regional); 29 national press articles; 8 national radio broadcasts; and more than 60 regional radio broadcasts. The total reach from TV, radio and print media was approximately 148.28m.

Twitter Reach:8.1m (414k engagements)Facebook Reach:10.07m (601k engagements)Instagram Reach:1.78m (169k engagements)

In July, 293,015 people visited the RAF100 Website – a 392% increase month-on-month, and the highest







RAF100 Parade and Flypast









number of visits in a single month. Also in July, the RAF gained; 23,263 followers on *Facebook*, 5,337 followers on *Twitter* and 12,290 followers on *Instagram*. This is the most gained in a single month all year. RAF Social Media content was liked, commented on and shared 1,026,103 times.

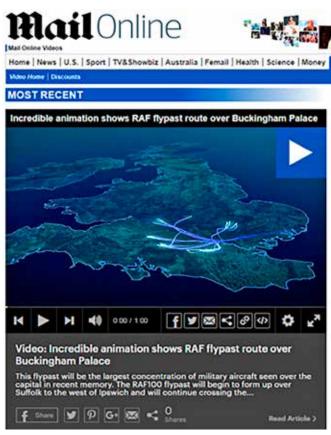
TELEVISION COVERAGE

With widespread national TV coverage on BBC and BBC News, ITV News, Sky News, Channel 4, Channel 5 Forces TV and other regional outlets, the estimated reach exceeded 25 million viewers.

PRESS COVERAGE

Estimated reach: 101.2 million readers across national and international print titles, with such headlines as:

- A roar in salute to 'tenacious, gallant' RAF (Daily Telegraph)
- Our affection for the boys and girls in light blue runs deep (**Daily Mail**)
- Palace flypast is centrepiece of RAF's party (Western Daily Press)
- Remembering 100 Years of the RAF's Tenacity & Gallantry (**The Scotsman**)









- High Praise for RAF from Queen at Centenary event (Press & Journal)
- RAF's still flying high (**Daily Star**)
- 100 Glorious Years of the RAF, photo tribute that makes you proud to be British (**Daily Mail**)

ONLINE COVERAGE INCLUDING SUCH COMMENTS AS:

- The RAF100 Flypast App allows users to see the historic formation flypast over Buckingham Palace in the comfort of your garden, at school or even in your front room. (CNET)
- Typhoons amaze crowds with '100' display above Mall. (AOL)
- The British Royal Air Force is 100 years old today. They celebrated their centenary in style! By flying 100 military planes over London. (UniLad)
- I wrote to the RAF asking to come to the flypast. I am especially looking forward to seeing the amazing Spitfires. (Newsround: Harry, aged 7)

INTERNATIONAL COVERAGE

Print

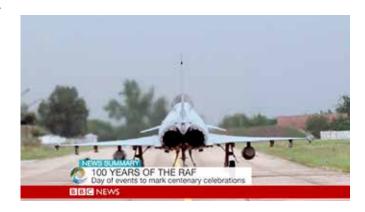
Entina Daily: International Readership, 45,000,000

Television

- Sikh TV: National viewership, 4,500,000
- WZTV-NAS (FOX)/Nashville, TN/US: Local Viewership, 11,620; National Viewership: 3,360,986
- BBC World News America: National Viewership, 1,701,303
- CNN International Europe: National Viewership, 630,038
- NBC: National viewership, 4,150,000

Radio

🖻 2GB Radio/New South Wales Metro, Australia



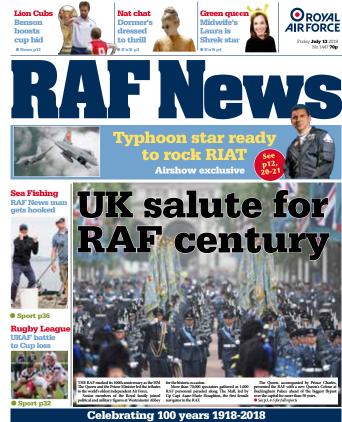


200 aircrew from 14 RAF stations

See p3, 18,19,21
The Forces' favourite ne

Top: Image by Cpl Helen Rimmer







Top: BBC broadcaster Babita Sharma talks with former RAF pilot Roger Wilkins. *Image by Cpl Pete Devine*







Top: Image by SAC Chris Thompson-Watts **Bottom Left and Right**: Images by Cpl Scott Robertson

























100











RAF100 Badges, produced by Squadon Prints Ltd, show the entire 'planned' Flypast.

