



### **Airborne Sounds**

- 1 A Soviet WWII YAK 11 makes a low fly-pass. Cosby Victory Show.
- 2 Another low fly-pass, this time a Hawker Hurricane (the small boy saying "It's a Spitfire", was incorrect!). Cosby Victory Show.



- 3 a) The Battle of Britain Memorial Flight's (BBMF) Lancaster, Hurricane and Spitfire performing their display at Cosford. The Lancaster passes closely, with the two fighters in the background.  
b) The BBMF trio gradually get back into formation. The Lancaster passes almost over-head, and the fighters pass in hot pursuit - one of them backfiring loudly. After turning in the distance, they pass very closely in formation and head off towards Welshpool's airshow.



- 4 C-130J Hercules does a fly-passed. Cosford.



- 5 (ed) The RNHF Sea Fury makes a distinctive sound with its massive (Bristol Centaurus, 53.6 litre, 18 cylinder radial) engine, performing a display over Cosford.

- 6 a) The Battle of Britain Memorial Flight's Dakota swoops around Cosford, making that familiar twin-engine sound.  
b) The Dakota circles around again.



- 7 a) B-17 'Sally B' produces a lovely, lazy rumble from its four engines. Cosford.  
b) The B-17 continues its display. It is not as loud as a Lancaster, but you can feel the vibrations in the ground!



- 8 An RAF Tucano makes a fast and low approach to Cosford from the west, with a high-pitched whine from its single gas-turbine engine.
- 9 Spitfire ML407 starts up and taxis. Cosby.
- 10 Spitfire ML407 takes off. Cosby.
- 11 Spitfire ML407 performs a small display. Cosby.
- 12 Spitfire ML407 parks up just after landing. Cosby.

- 13 A P51 Mustang performs a display, whistling as it builds up speed. Cosby.



- 14 The Mustang continues its display. Cosby.

- 15 The Mustang continues its display. Cosby.

- 16 Hurricane R4118 takes off. Cosby.



- 17 The YAK 11 makes a low fly-by. Cosby.



- 18 Hurricane R4118 continues its display with gunfire in the background. Cosby.

19 Hurricane R4118 continues its display. Cosby.

20 The B17 arrives at Cosby and circles around. A vintage threshing machine can be heard running in the background.



21 The B17 circles around again. Cosby.

22 The B17 still rumbling as machine-guns fire in the distance! Cosby.



- 23 The YAK 11 taxis and parks, turns through 180 degrees and blasts a few spectators with its back-draft! Cosby.
- 24 (ed) A Tucano takes off promptly followed by Vulcan XH558 also taking off, and doing its characteristic roll turn to the right over-head. The Vulcan gives a couple more ground-shaking roars. Waddington.



- 25 A Typhoon jet-fighter makes an unbelievable racket as it performs a high-speed display at Waddington. This recording picks up the full range of its sound qualities including the sub-bass vibrations.



- 26 a) Vulcan XH558 approaches Cosford from the west in formation with 2 light aircraft.  
b) After the light aircraft had left, the Vulcan sweeps passed after a brief howl and then circles around again.  
c) The Vulcan gets into position over the airfield area, and then makes a spiral ascent. Despite being a mile away, it still shakes up the ground! It quietly does a spiral descent, and then sweeps passed quite closely, before drifting back over the runway and making a final climb as it departs eastwards.



- 27 a) The BBMF Lancaster, Hurricane and Spitfire doing a superb display at Waddington. With only a robin singing as background sound, this recording captures the roar and the vibrations. All three pass in formation in the background, circle around and pass by more closely.  
b) The Lancaster passes by on its own. The two fighters swoop passed in formation. The fighters then break formation.  
c) The Spitfire is heard in the background and then it passes by very closely. Then the Hurricane sweeps passed. Both fighters are heard in the background before the Spitfire passes by again. The Hurricane is heard again just before the Spitfire cruises gently by. The Lancaster passes very low. The fighters are heard in the background and the bomber rumbles by.





- 28 Lancaster, Hurricane and Spitfire in formation, pass behind the microphone and circle to the left until in front, turning through about 200 degrees. They then straighten up and fly over the runway.





29 (ed) Hurricane and Spitfire in formation, depart the airshow.

30 Lancaster and Tornado in formation cruise gently passed, before the Tornado peels off to the right and roars off behind the microphone.



(ed) denotes recording edited down from a longer original.

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Thanks to the organisers of the Cosby Victory Show 2013, and the Cosford and Waddington Airshows 2013, the air-crews and service-crews, and to Ian Webb (AKA NapierNimbus on Youtube).

Ian Strange, 20 Briar Walk, Oadby, LEICESTER, LE2 5UF.  
[www.delticsounds.com](http://www.delticsounds.com)