

20080215-XV249 Timeline-R

15 Feb 08

NIM(ES)AWS(AV)

**SCHEDULE OF EVENTS FOR XV249**

- 05 Jan 08 Completed RTB from theatre. Fuel in Nos 2,3,4 & 4A Tanks only. Pannier Bays checked, with no evidence of fuel leak.
- 09 Jan 08 Four "Taxis" conducted as part of fuel leak investigation. Following this, fuel leak rectification took place.
- 21 Jan 08 35min Test Flight. Pannier Bays checked, with no evidence of fuel leak.  
2hr 45min Test Flight with cold soak. Pannier Bays checked. Leak evident as before. **This was the last time the Bays were checked pre-incident.** Aircrew reported fault with No 3 Engine Vibration.
- 23 Jan 08 No 3 EGR. C/o as part of fault investigation. Duration of approx 20mins. Fault still evident; further rectification c/o.  
No 3 EGR. C/o as part of continued fault investigation. Duration of approx 20mins. Fault still evident; decision made to change engine.
- 25 Jan 08 Nos 2, 3 & 4 EGR. C/o post engine change and to function various other systems. Total running time was approx 2hrs. Engine vibration within limits.
- 28 Jan 08 35min Test Flight. Pannier Bays checked. **Sooting of air-start cross-feed ducting found.**  
Nos 1, 3 & 4 EGR. C/o due to suspected hot air leak. Duration of approx 20mins.  
Nos 1, 2, 3 & 4 EGR. C/o due to suspected hot air leak. Duration of approx 20mins.
- 01 Feb 08 Thermocouples attached to air-start cross-feed ducting. EGR schedule commenced, as detailed in BAES Report. Summary of EGRs detailed at Annex A.
- 12 Feb 08 Commenced Equalised Maintenance.

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Annex:

A. Summary of EGR Schedule.

ANNEX A TO  
20080215-XV249 TIMELINE-R  
DATED 15 FEB 08

**SUMMARY OF EGR SCHEDULE**

Date	Run	Description	X-feed	Max Temp
01 Feb 08	1	Simulated Previous Flight Start with Aircrew	As reqd	172.3
01 Feb 08	2	70% start for IPT	As reqd	96
01 Feb 08	3	75% start for IPT	As reqd	110
01 Feb 08	4	85% start for IPT	As reqd	176
01 Feb 08	5	Ground Air Trolley Start for IPT	As reqd	33
01 Feb 08	6	Coarse Simulation of Previous Flight	As reqd	73
04 Feb 08	7	Hot Pipe Test 1 - No 3 at 80% with port aircon on for 10 mins, then 2 and 1 idle	Open	250
04 Feb 08	8	Hot Pipe Test 2 - No 3 at 85% with port aircon on for 10 mins, then 2 and 1 idle	Open	260
04 Feb 08	9	Hot Pipe Test 3 - No 3 at 90% with port aircon on for 10 mins	Open	310
05 Feb 08	10	Simulation of post-ECU change Ground run with X-feeds open	Open	125
05 Feb 08	11	Detailed simulation of previous flight	Open	294
06 Feb 08	12	Hot Pipe Test 4 - No 3 at 85% with port aircon on for 10 mins then 100% for 2 mins	Closed	76
06 Feb 08	13	Detailed simulation of Vib run including stbd aircon check	Open	111
06 Feb 08	14	Hot Pipe Test 5 - No 3 at 95% with port aircon on for 10 mins	Closed	112
06 Feb 08	15	Detailed simulation of previous flight	As reqd	181
06 Feb 08	16	Hot Pipe Test 6 - No 3 at 95% with port aircon on for 1 hr	Closed	175