

ID	Task Name	Start	Finish	Timeline																							
				2007												2008											
				Qtr 4 2006	Qtr 1 2007	Qtr 2 2007	Qtr 3 2007	Qtr 4 2007	Qtr 1 2008	Qtr 2 2008	Qtr 3 2008	Qtr 4 2006	Qtr 1 2007	Qtr 2 2007	Qtr 3 2007	Qtr 4 2007	Qtr 1 2008	Qtr 2 2008	Qtr 3 2008								
Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
34	<b>Noise prototypes</b>	<b>Mon 04/08/03</b>	<b>Fri 04/04/08</b>	<b>se prototypes</b>																							
35	Complete drawings for manufacture	Mon 19/06/06	Fri 07/07/06	complete drawings for manufacture >>> 36																							
36	Procure and manufacture parts	Mon 10/07/06	Fri 10/11/06	36 Procure and manufacture parts >>> 39FS-2mo																							
37	Get dirty OSEMS from Birmingham (latest)	Mon 23/10/06	Mon 23/10/06	23 Oct 06 (37) Get dirty OSEMS from Birmingham (latest) >>> 39																							
38	Review and agree LASTI N-Ptype test plan	Mon 23/10/06	Mon 23/10/06	23 Oct 06 (38) Review and agree LASTI N-Ptype test plan >>> 39																							
39	Trial assemble "Dirty metal" in UK	Mon 23/10/06	Fri 26/01/07	36FS-2mo 37, 39 Trial assemble "Dirty metal" in UK >>> 80, 40FS-w, 42, 41FS-2w																							
40	Receive TM heater, baffles & TCP heater to trial	Mon 18/12/06	Mon 18/12/06	39FS-4 wk 18 Dec 06 (40) Receive TM heater, baffles & TCP heater to trial assemble (stock up) >>>																							
41	Safety inspection to ensure procedures are adequate	Mon 15/01/07	Mon 15/01/07	39FS-2 wk 15 Jan 07 (41) Safety inspection to ensure procedures are adequate >>>																							
42	Clean	Mon 29/01/07	Fri 23/02/07	39 (42) Clean >>> 43																							
43	Get Clean OSEMS from Birmingham (latest)	Fri 23/02/07	Fri 23/02/07	42 23 Feb 07 (43) Get Clean OSEMS from Birmingham (latest) >>> 44																							
44	Ship to LASTI	Mon 26/02/07	Fri 09/03/07	43, 45 Ship to LASTI >>> 51, 45, 49, 47																							
45	Clean metal assembly (LASTI)	Mon 12/03/07	Fri 06/04/07	44 (45) Clean metal assembly (LASTI) >>> 51																							
46	procure ribbon tooling	Mon 25/09/06	Fri 26/01/07	46 procure ribbon tooling >>> 47, 44																							
47	Ribbon pulling & welding jig to arrive at LASTI	Fri 09/03/07	Fri 09/03/07	45, 44 09 Mar 07 (47) Ribbon pulling & welding jig to arrive at LASTI >>> 49																							
48	OSEM drive electronics to arrive at LASTI	Mon 30/04/07	Mon 30/04/07	30 Apr 07 (48) OSEM drive electronics to arrive at LASTI >>>																							
49	Assemble pulling and welding jig at LASTI	Mon 12/03/07	Fri 06/04/07	47, 44 (49) Assemble pulling and welding jig at LASTI >>> 53, 50																							
50	Commission pulling/welding jig	Mon 09/04/07	Fri 04/05/07	49 (50) Commission pulling/welding jig >>> 53																							
51	Clean metal test at LASTI	Mon 09/04/07	Fri 01/06/07	44, 45 (51) Clean metal test at LASTI >>> 58																							
52	Receive prototype ring heaters & baffles	Sun 25/03/07	Sun 25/03/07	25 Mar 07 (52) Receive prototype ring heaters & baffles >>> 53																							
53	<b>"Clean glass" assembly at LASTI inc TM ring heater</b>	<b>Mon 07/05/07</b>	<b>Fri 01/06/07</b>	<b>"Clean glass" assembly at LASTI inc TM ring heater</b>																							
54	Install glass masses	Mon 07/05/07	Fri 11/05/07	53 (54) Install glass masses >>> 56																							
55	Make ribbons	Mon 14/05/07	Fri 18/05/07	54 (55) Make ribbons >>> 56																							
56	Weld ribbons	Mon 21/05/07	Fri 25/05/07	56 (56) Weld ribbons >>> 57																							
57	Align glass suspension	Mon 28/05/07	Fri 01/06/07	56 (57) Align glass suspension >>> 58																							
58	Assemble ITM, install to tank, test heaters	Mon 04/06/07	Fri 27/07/07	57, 51 (58) Assemble ITM, install to tank, test heaters >>> 59																							
59	Assemble ETM, install to tank	Mon 30/07/07	Fri 07/09/07	58 (59) Assemble ETM, install to tank >>> 60																							
60	Early control + cavity tests	Mon 10/09/07	Fri 05/10/07	59 (60) Early control + cavity tests >>> 61, 88																							
61	Full cavity tests	Mon 08/10/07	Fri 04/04/08	(61) Full cavity tests >>>																							
62	Design acceptance review	Mon 04/08/03	Mon 04/08/03																								
63	<b>Final Design - FM, BS (guess 1.5 p</b>	<b>Mon 10/07/06</b>	<b>Fri 06/04/07</b>	<b>Final Design - FM, BS (guess 1.5 persons)</b>																							
79	<b>Conclude ITM/ETM and review</b>	<b>Mon 29/01/07</b>	<b>Fri 11/05/07</b>	<b>Conclude ITM/ETM and review</b>																							
80	lessons from NP assimilated into ETM/ITM design; documentation updated	Mon 29/01/07	Fri 23/03/07	39 (80) lessons from NP assimilated into ETM/ITM design, documentation updated >>> 81																							
81	Submit final design review documentation	Fri 23/03/07	Fri 23/03/07	80 23 Mar 07 (81) Submit final design review documentation >>> 82FS+2w																							
82	Questions from reviewers	Fri 06/04/07	Fri 06/04/07	81FS+2 wk 05 Apr 07 (82) Questions from reviewers >>> 83																							
83	Responses to review questions	Mon 09/04/07	Fri 13/04/07	82 (83) Responses to review questions >>> 84																							
84	Act on review outcomes	Mon 16/04/07	Fri 11/05/07	83 (84) Act on review outcomes >>> 85																							
85	<b>Major Procurement (SUS, OSEMs)</b>	<b>Mon 14/05/07</b>	<b>Fri 21/11/08</b>	<b>Major Procurement (SUS, OSEMs)</b>																							
86	Procurement documentation	Mon 14/05/07	Fri 25/05/07	78, 84 (86) Procurement documentation >>> 87																							
87	OJEC tender	Mon 28/05/07	Fri 23/11/07	86 (87) OJEC tender >>> 89																							
88	Review LASTI results	Mon 08/10/07	Fri 02/11/07	60 (88) Review LASTI results >>> 89																							



