

Table 1: Additional information on threshold layers scans. On 15 May 2011 the readout gate was changed for station T1, T2 and T3 and an updated t_0 calibration was released. However, in the threshold scan recipes the readout gate is unchanged and a dedicated t_0 calibration database needs to be used in the analysis.

Date	Logbook entry	Remarks
Jul. 4 2010	https://lblogbook.cern.ch/OT/1129	only layer 0
Aug. 14 2010	https://lblogbook.cern.ch/OT/1214	full OT
Oct. 27 2010	https://lblogbook.cern.ch/OT/1339	non-conventional stepping definition
Mar. 13 2011	https://lblogbook.cern.ch/OT/1508	HV scan layer 4 in addition
May 16 2011	https://lblogbook.cern.ch/OT/1636	need dedicated t_0 database from here onward, see caption
Jun. 11 2011	https://lblogbook.cern.ch/OT/1711	
Jul. 29 2011	https://lblogbook.cern.ch/OT/1825	
Sep. 7 2011	https://lblogbook.cern.ch/OT/1921	
Oct. 12 2011	https://lblogbook.cern.ch/OT/2058	



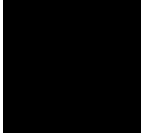


Table 2: Threshold layer scan conditions. (*) Numbers for total delivered lumi from <https://lbrundb.cern.ch/rundb/fill>

Date	Total delivered luminosity [pb^{-1}] (*)	Thresholds per layer	Atmospheric pressure	Pressure correction factor wrt Aug. 14 2010
Jul. 4 2010	0.6	8	981.0	-
Aug. 14 2010	1.2	8	975.0	1.0 (definition)
Oct. 27 2010	34.4	8	971.5	0.98
Mar. 13 2011	41.8	8	971.0	0.98
May 16 2011	137.8	8	987.8	1.08
Jun. 11 2011	331.4	10	978.0	1.02
Jul. 29 2011	584.8	10	977.2	1.01
Sep. 7 2011	809.2	10	979.0	1.02
Oct. 12 2011	1239.5	10	985.3	1.06

Table 3: Run conditions during threshold layer scans. (*) Numbers from <https://lbweb.cern.ch/groups/online/OperationsPlots/OperationsDashboard.htm>. (**) Numbers from private communication with Richard Jacobsson.

Date	LHC fill	LHCb runs	Average μ (*)	Average μ (**)	Total events in run	Number of steps in run	Number of events per step	Remarks
Jul. 4 2010	not in RunDB	77043	?	?	14.7M	96	153k	only OT in
Aug. 14 2010	1283	77555	?	0.6	14.1M	100	140k	all but RICH1 & RICH2
Oct. 27 2010	1436	81329	?	1.52	6.1M	40	150k	
	1436	81330	?	1.49	8.8M	~50	176k	
	1436	81331	?	1.46	4.1M	27	150k	
Mar. 13 2011	1613	87115	1.10	1.14	5.0M	35	143k	
	1613	87120	1.10	1.11	9.9M	66	150k	
May 16 2011	1785	91638	1.77	1.91	17.8M	42	424k	all but RICH1 & RICH2
	1785	91646	1.77	1.86	12.6M	30	420k	all but RICH1 & RICH2
	1785	91650	1.77	1.82	13.9M	33	421k	all but RICH1 & RICH2
Jun. 11 2011	1863	93394	1.26	0.09	32.7M	110	297k	
	1863	93396	1.26	0.08	4.6M	15	307k	
Jul. 29 2011	1991	97471	0.89	0.14	28M	87	322k	
	1991	97475	0.89	0.12	10.5M	36	292k	
Sep. 7 2011	2083	101346	1.30	1.74	22.9M	76	301k	all but RICH1 & RICH2
	2083	101349	1.30	1.62	4.5M	13	346k	all but RICH1 & RICH2
	2083	101350	1.30	1.61	9.2M	27	341k	all but RICH1 & RICH2
	2083	101354	1.30	1.57	5.4M	16	338k	all but RICH1 & RICH2
Oct. 12 2011	2204	103332	1.11	0.56	36.2M	124	292k	