

HCAL Resets

Device	Reset	Action	Freq.	Time	Path
QIE/CCA	general	reconfigure from flash	*	~100 ms	DCS
	retime	reset DLL on CCA	*	~ms	DCS
	full	load from CPU	*	~s	DCS
HTR	general	reconfigure from flash	**	~100 ms	DCS
	resync	reset BC, event, FIFOs, GOL	**	~ μ s	TTC
	full	load from CPU	**	~s	DCS
DCC	general	reconfigure from flash	**	~100 ms	DCS
	resync	reset BC, event, FIFOs, SDRAM	**	~ μ s	TTC
	full	load from CPU	**	~s	DCS
TCC fan	general	reconfigure from flash	**	~100 ms	DCS
	resync	reset clock	**	~ μ s	TTC
	full	load from CPU	**	~s	DCS

* not expected to happen, based on hardware tests

** no single event upsets, electronics located in underground counting house