EVENTS /STATES	/OFF	/PWR_UP_WAIT	/PROBE_0	/PROBE_CYCLE (start a new cycle)	/PROBE_x1	/CHK_TX_WAIT	/CHK_TA_WAIT	/CHK_TX1_WAIT	/CHK_RX_WAIT	/CHK_MSG_WAIT	/CHK_TX_SWVER	/CHK_SWVER_WAIT	/ON	/ON_RX	/ON_TX	/ON_RX_TX
	state machine corresponds to v4 driver as of SHA dfc4ecf, gh:MamMark/mm(master)															
GPSState.turnOn()	gps_on() tx_timer (pwr_up_delay) /PWR_UP_WAIT															
(t) TxTimer.fired()		set_speed(target) gps_wakeup (on_off) rx_timer(wakeup_delay) /PROBE_0 rx_int_on					set_speed(target) send_peek_0 tx_timer(peek) /CHK_TX1_WAIT									
(t) send_block_task HW. send_block_done						tx_timer(TA_DELAY) (turn around delay) /CHK_TA_WAIT		tx_timer_stop rx_timer(peek) /CHK_RX_WAIT rx_int_on				tx_timer_stop /ON rx_int_on boot? -> GPSBoot			send_cmp() tx_timer_stop /ON	send_cmp() tx_timer_stop /ON_RX
(t) probe_task				rx_timer_stop probe_index++ cycle end check /PROBE_x1 ? gps_reset? /PWR_UP_WAIT	set_speed send_block(entry) tx_timer(to) /CHK_TX_WAIT											
(t) RxTimer.fired()			probe_index -1 send_peek_0 tx_timer(peek) /CHK_TX1_WAIT						rx_int_off post_probe_task /PROBE_CYCLE	rx_int_off post_probe_task /PROBE_CYCLE				Proto.reset() /ON		Proto.reset() /ON_TX
(a) GPSProto.msgStart			req_rx_to/len post_timer_task /CHK_MSG_WAIT							/CHK_MSG_WAIT			req_rx_to post_timer_task /ON_RX		req_rx_to post_timer_task /ON_RX_TX	
(a) GPSProto.msgAbort										rx_int_off post_probe_task /PROBE_CYCLE				req_rx_to/0 post_timer_task /ON		req_rx_to/0 post_timer_task /ON_TX
(a) GPSProto.msgEnd										rx_int_off post_swver_task /CHK_TX_SWVER				req_rx_to/0 post_timer_task /ON		req_rx_to/0 post_timer_task /ON_TX
(t) swver_task											rx_timer_stop send_sw_ver tx_timer (to) /CHK_SWVER_WAIT					
(t) timer_task										chg_rx_timer			chg_rx_timer	chg_rx_timer	chg_rx_timer	chg_rx_timer
Gps.send()													start_tx_timer /ON_TX	start_tx_timer /ON_RX_TX		
GPSState.turnOff()		set_asleep() /OFF			set_asleep() /OFF				set_asleep() /OFF	set_asleep() /OFF			set_asleep() /OFF	set_asleep() /OFF	set_asleep() /OFF	
GPSState.standby()					set_asleep() /OFF	set_asleep() /OFF			set_asleep() /OFF	set_asleep() /OFF			set_asleep() /OFF	set_asleep() /OFF	set_asleep() /OFF	
Init.init()																
Boot.booted()																
ReceiveError																
	set_asleep															
		gps_hibernate() [toggle on_off]														
		rx_int off														
		stop_rx/tx_timer														