

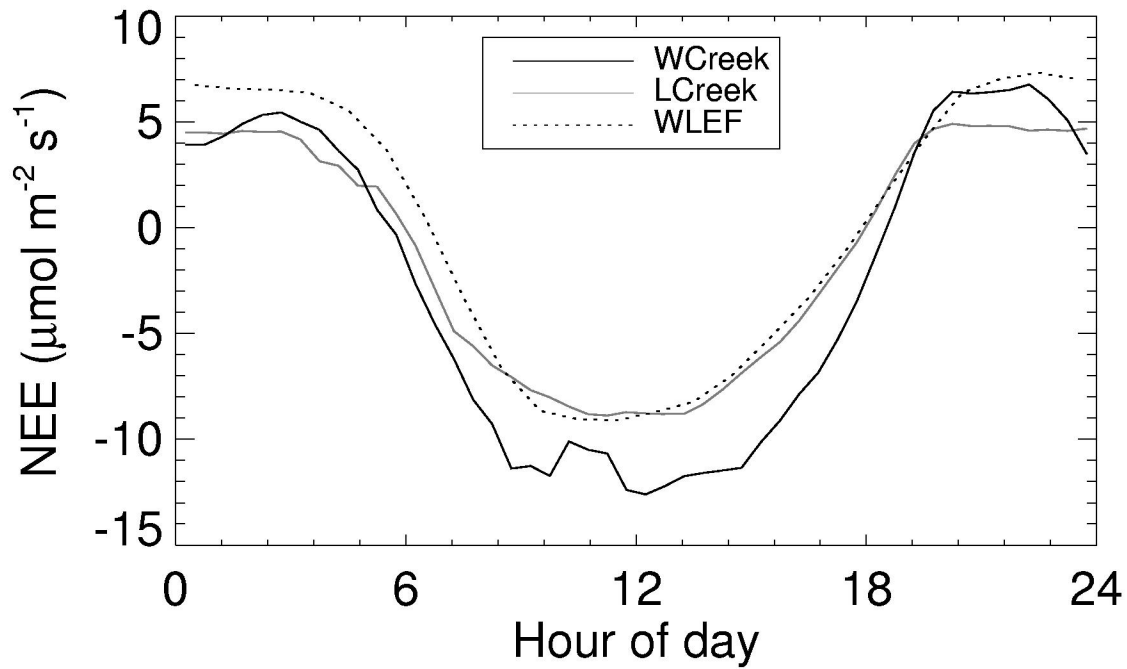
Table 1. Annual flux observations ($\text{gC m}^{-2} \text{yr}^{-1}$) from the WLEF Tall Tower and canopy towers.

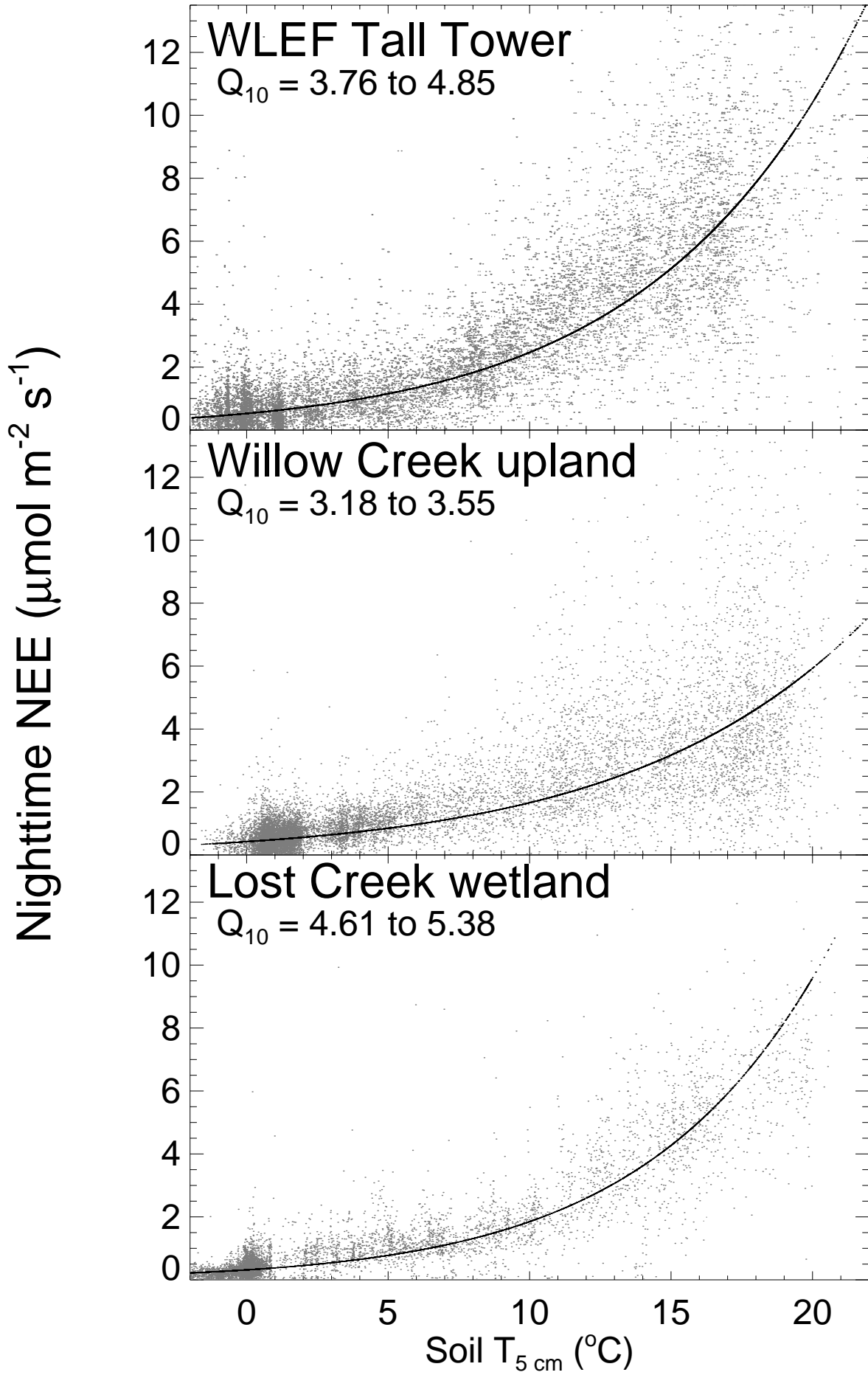
	WLEF Tall Tower			Willow Creek upland hardwoods			Lost Creek shrub-sedge wetland		
	NEE	R_{total}	P_{gross}	NEE	R_{total}	P_{gross}	NEE	R_{total}	P_{gross}
1997	47	966	934						
1998	50	986	943	--	--	--	--	--	--
1999	78	1054	973	--	--	--	--	--	--
2000	74	1005	928	(-334)	816	1165	--	--	--
2001	141	1067	931	(-110)	783	916	(-44)	670	716
2002	--	--	--	(-438)	667	1137	(-96)	566	665

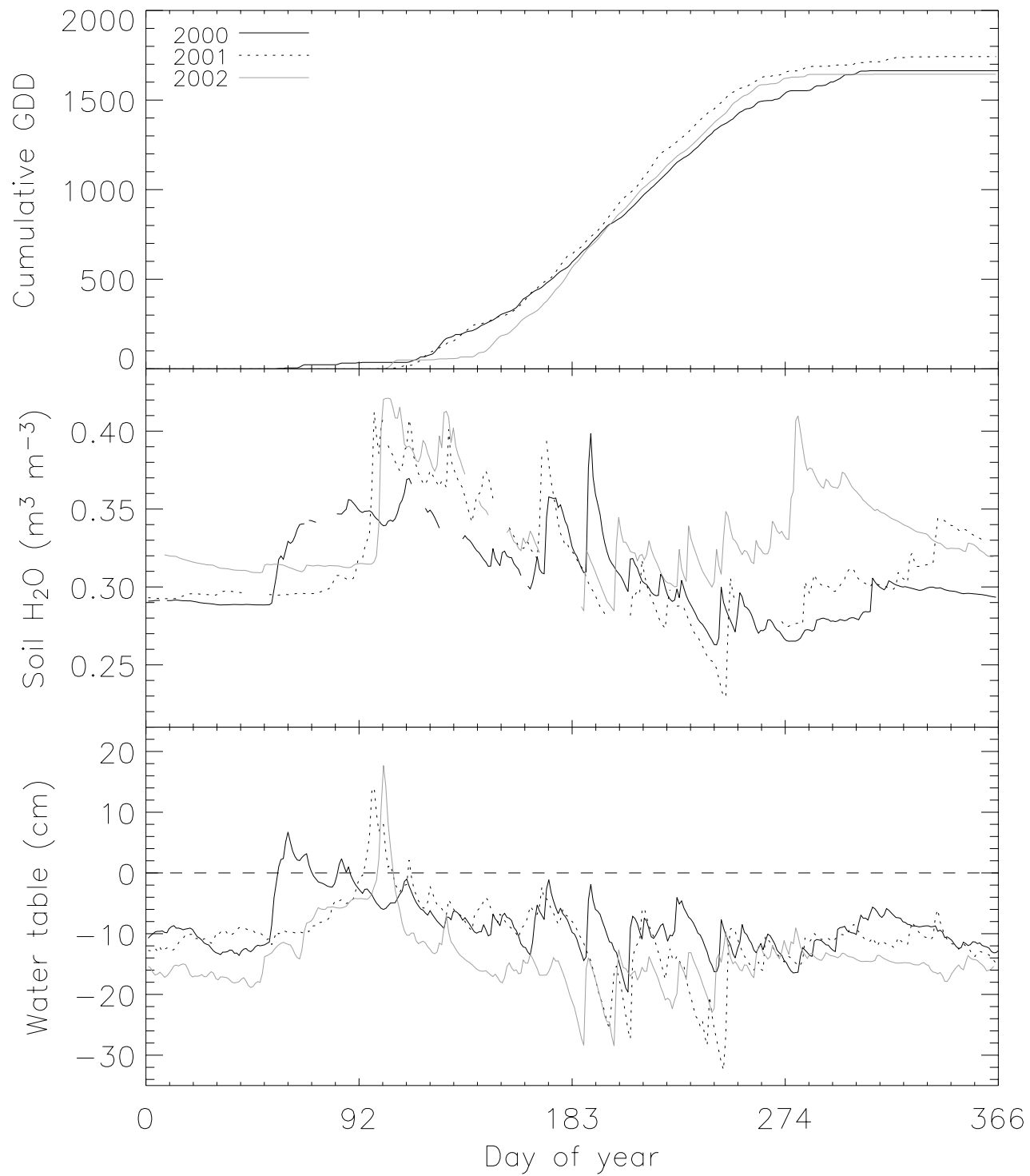
NEE, gap-filled net ecosystem exchange (negative values indicate ecosystem uptake)

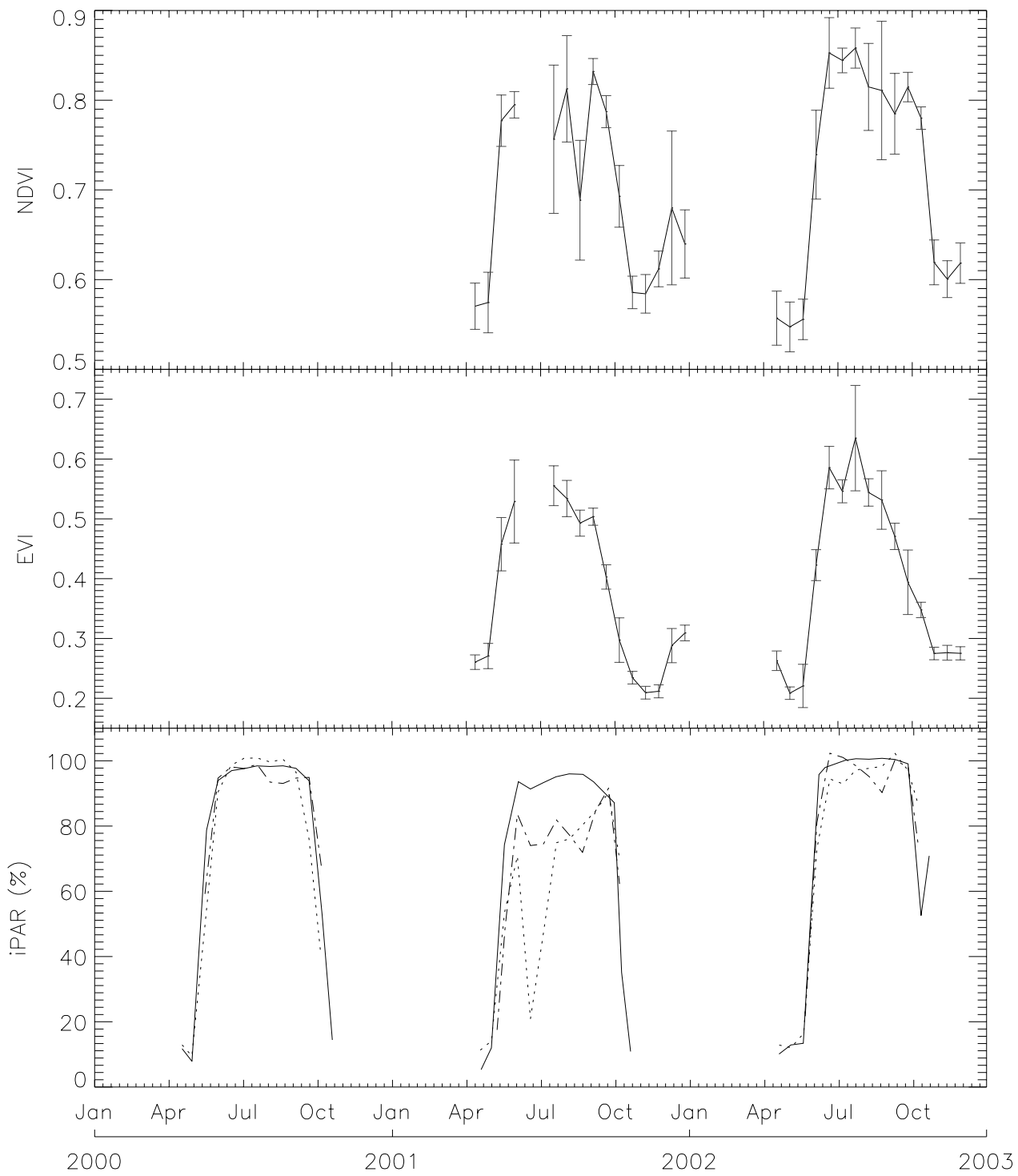
R_{total}, modeled total ecosystem respiration

P_{gross}, modeled gross photosynthesis



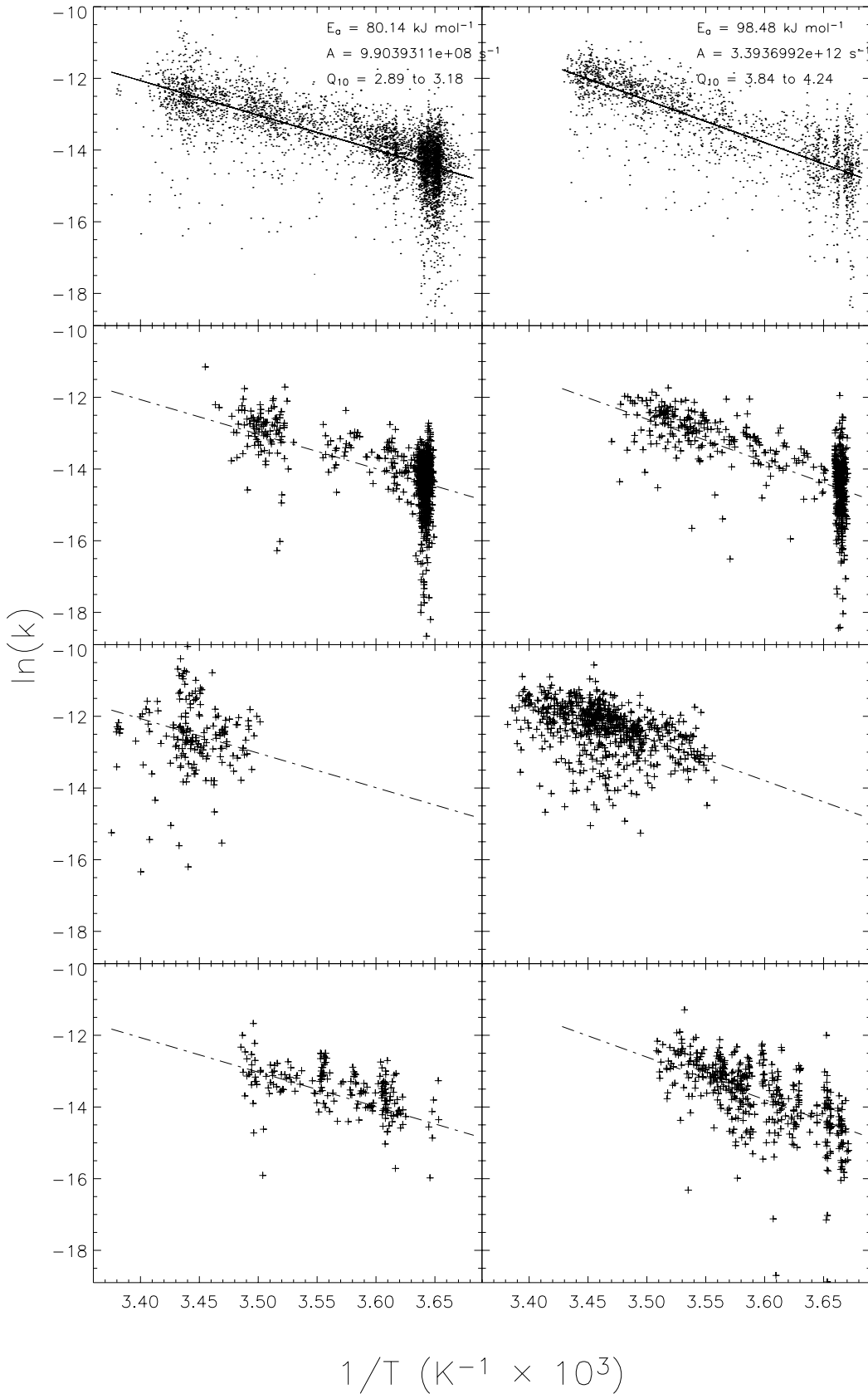






Willow Creek upland hardwoods

WLEF Tall tower



Non-outbreak years
(2000 and 2002)

Prior to
caterpillar outbreak
(1 Jan-29 May 2001)

During caterpillar
defoliation and reflush
(30 May-27 Sep 2001)

Following
canopy reflush
(28 Sep-31 Dec 2001)