

Tree circumference dynamics over short time scales using automated dendrometer bands in four forests

Valentine Herrmann, Sean M. McMahon, Matteo Detto, James A. Lutz, Stuart J. Davies, Chia-Hao Chang-Yang, Kristina J. Anderson-Teixeira

S1 Table. List of all trees equipped with ADBs

Site	Band number	Species	Band diameter (cm)	Bark Thickness	Watered	Date equipped	Good data (%)
BCI	TH14230	Tabebuia guayacan	23.3	Thick	NO	6/25/2015	76
BCI	TH14231	Pseudobombax septenatum	136.1	Thin	NO	6/24/2015	73
BCI	TH14234	Spondias radlkoferi	63.8	Thin	NO	6/25/2015	100
BCI	TH14236	Hura crepitans	137.5	Thin	NO	6/24/2015	75
BCI	TH14239	Tabebuia rosea	39.3	Thick	NO	6/24/2015	100
BCI	TH14244	Trichilia tuberculata	21	Thin	NO	6/23/2015	100
BCI	TH14245	Tabebuia rosea	22.3	Thick	NO	6/24/2015	81
BCI	TH14248	Tachigali versicolor	50.2	Thin	NO	6/24/2015	86
BCI	TH14252	Hyeronyma alchorneoide	69.5	Thin	NO	6/25/2015	100
BCI	TH14253	Trichilia tuberculata	34.9	Thin	NO	6/24/2015	89
BCI	TH14255	Platymiscium pinnatum	50.6	Thick	NO	6/24/2015	0
BCI	TH14256	Tabebuia guayacan	54.4	Thick	NO	6/23/2015	97
BCI	TH14261	Hura crepitans	67.1	Thin	NO	6/24/2015	100
BCI	TH14264	Inga pezizifera	33.5	Thin	NO	6/23/2015	88
BCI	TH14266	Tabebuia rosea	33.8	Thick	NO	6/25/2015	87
BCI	TH14269	Virola sebifera	34.5	Thin	NO	6/26/2015	70
BCI	TH14270	Tabebuia guayacan	80.3	Thick	NO	6/24/2015	100
BCI	TH14271	Hura crepitans	91.1	Thin	NO	6/24/2015	0
BCI	TH14274	Spondias radlkoferi	74.1	Thin	NO	6/25/2015	100
BCI	TH14275	Virola sebifera	22	Thin	NO	6/26/2015	100
BCI	TH14277	Trichilia tuberculata	42.25	Thin	NO	6/24/2015	86
BCI	TH14279	Trichilia tuberculata	27.4	Thin	NO	6/23/2015	95
BCI	TH14281	Tabebuia rosea	51.2	Thick	NO	6/25/2015	98
BCI	TH14283	Tabebuia guayacan	59	Thick	NO	6/24/2015	98
BCI	TH14284	Spondias radlkoferi	57.1	Thin	NO	6/25/2015	78
BCI	TH14285	Hura crepitans	98	Thin	NO	6/25/2015	62
BCI	TH14288	Pseudobombax septenatum	102.4	Thin	NO	6/25/2015	100

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Site	Band number	Species	Band diameter (cm)	Bark Thickness	Watered	Date equipped	Good data (%)
BCI	TH14289	Tabebuia rosea	59	Thick	NO	6/22/2015	97
BCI	TH14291	Spondias radlkoferi	32.2	NA	NO	6/25/2015	95
BCI	TH14294	Trichilia tuberculata	30	Thin	NO	6/23/2015	55
BCI	TH14299	Virola sebifera	29.9	Thin	NO	6/24/2015	100
BCI	TH14303	Tabebuia rosea	34	Thick	NO	6/24/2015	100
BCI	TH14304	Virola surinamensis	64.4	Thin	NO	6/23/2015	0
BCI	TH14305	Tabebuia guayacan	21.6	Thick	NO	6/24/2015	76
SCBI	TH30233	Fagus grandifolia	105.89	Thin	NO	5/5/2014	90
SCBI	TH33392	Liriodendron tulipifera	49.34	Thick	NO	5/5/2014	91
SCBI	TH33393	Liriodendron tulipifera	14.87	Thick	NO	5/5/2014	100
SCBI	TH40563	Fagus grandifolia	36.4	Thin	NO	5/5/2014	100
SCBI	TH40568	Fagus grandifolia	16.94	Thin	NO	5/5/2014	98
SCBI	TH40569	Liriodendron tulipifera	28.9	Thick	NO	5/5/2014	62
SCBI	TH40579	Dead	62.6	Thick	NO	5/5/2014	100
SCBI	TH50650	Liriodendron tulipifera	18	Thick	NO	5/5/2014	100
SCBI	TH50654	Liriodendron tulipifera	69.98	Thick	NO	5/5/2014	100
SCBI	TH60453	Dead	19.8	Thin	NO	5/5/2014	73
SCBI	TH60458	Fagus grandifolia	26.7	Thin	NO	5/5/2014	98
SCBI	TH60462	Fagus grandifolia	20.73	Thin	NO	5/5/2014	56
SERC	TH14000	Carya glabra	19.4	Thick	NO	6/15/2015	0
SERC	TH14225	Quercus alba	32	Thick	NO	6/15/2015	100
SERC	TH14226	Fagus grandifolia	44.75	Thin	YES	6/15/2015	0
SERC	TH14227	Carya tomentosa	24.9	Thick	YES	6/15/2015	100
SERC	TH14228	Carya tomentosa	57.4	Thick	NO	6/15/2015	97
SERC	TH14229	Carya tomentosa	20.4	Thick	NO	6/15/2015	98
SERC	TH14232	Quercus falcata	73.4	Thick	NO	6/15/2015	0
SERC	TH14233	Liriodendron tulipifera	37.1	Thick	NO	6/15/2015	100
SERC	TH14235	Quercus falcata	111.6	Thick	YES	6/15/2015	78
SERC	TH14237	Carya tomentosa	26.4	Thick	YES	6/15/2015	0
SERC	TH14238	Liriodendron tulipifera	69.3	Thick	NO	6/15/2015	100
SERC	TH14240	Fagus grandifolia	23.7	Thin	NO	6/15/2015	100
SERC	TH14241	Liquidambar styraciflua	60	Thick	YES	6/15/2015	78
SERC	TH14242	Quercus falcata	44.1	Thick	NO	6/15/2015	87
SERC	TH14243	Fagus grandifolia	27.8	Thin	YES	6/15/2015	100
SERC	TH14246	Fagus grandifolia	34.2	Thin	YES	6/15/2015	84
SERC	TH14247	Fagus grandifolia	25.8	Thin	YES	6/15/2015	100
SERC	TH14251	Liquidambar styraciflua	57.7	Thick	NO	6/15/2015	0
SERC	TH14259	Fagus grandifolia	35.4	Thin	NO	6/15/2015	100

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SERC	TH14263	Dead	36.4	Thick	YES	6/15/2015	100
SERC	TH14265	Acer rubra	19.1	Thin	NO	6/15/2015	0
SERC	TH14267	Carya tomentosa	28.9	Thick	NO	6/15/2015	100
SERC	TH14272	Fagus grandifolia	28.7	Thin	NO	6/15/2015	0
SERC	TH14273	Fagus grandifolia	47	Thin	NO	6/15/2015	100
SERC	TH14278	Liriodendron tulipifera	50.1	Thick	NO	6/15/2015	85
SERC	TH14282	Fagus grandifolia	34.8	Thin	NO	6/15/2015	100
SERC	TH14286	Liriodendron tulipifera	41	Thick	NO	6/15/2015	100
SERC	TH14287	Liriodendron tulipifera	102	Thick	YES	6/15/2015	100
SERC	TH14292	Fagus grandifolia	16.15	Thin	NO	6/15/2015	100
SERC	TH14293	Liriodendron tulipifera	65	Thick	YES	6/15/2015	100
SERC	TH14295	Quercus sp.	68.3	Thick	NO	6/15/2015	80
SERC	TH14297	Fagus grandifolia	48.9	Thin	NO	6/15/2015	100
SERC	TH14300	Liriodendron tulipifera	17.1	Thick	NO	6/15/2015	98
SERC	TH14301	Liquidambar styraciflua	33.6	Thick	NO	6/15/2015	80
SERC	TH14306	Carya tomentosa	37.5	Thick	NO	6/15/2015	100
WFPD	TH14031	Pseudotsuga menziessi	115	Thick	NO	4/21/2015	100
WFPD	TH14032	Pseudotsuga menziessi	59.5	Thick	NO	4/20/2015	100
WFPD	TH14033	Dead	57.2	Thick	NO	4/20/2015	100
WFPD	TH14034	Pseudotsuga menziessi	122.5	Thick	NO	4/21/2015	100
WFPD	TH14035	Pseudotsuga menziessi	168.2	Thick	NO	4/21/2015	100
WFPD	TH14036	Tsuga heterophylla	97.7	Thick	NO	4/21/2015	100
WFPD	TH14037	Pseudotsuga menziessi	73.7	Thick	NO	4/21/2015	100
WFPD	TH14038	Thuja plicata	30.2	Thick	NO	4/20/2015	100
WFPD	TH14039	Pseudotsuga menziessi	107	Thick	NO	4/21/2015	100
WFPD	TH14040	Thuja plicata	105.6	Thick	NO	4/21/2015	100
WFPD	TH14041	Dead	20.1	Thick	NO	4/20/2015	100
WFPD	TH14042	Abies amabilis	51.7	Thick	NO	4/20/2015	100
WFPD	TH14043	Thuja plicata	180.7	Thick	NO	4/21/2015	100
WFPD	TH14044	Abies amabilis	25.7	Thick	NO	4/20/2015	100
WFPD	TH14045	Pseudotsuga menziessi	87.8	Thick	NO	4/20/2015	100
WFPD	TH14046	Tsuga heterophylla	128.8	Thick	NO	4/21/2015	79
WFPD	TH14047	Abies amabilis	14.4	Thick	NO	4/20/2015	100
WFPD	TH14048	Taxus brevifolia	41.8	Thin	NO	4/21/2015	100
WFPD	TH14049	Thuja plicata	83.7	Thick	NO	4/21/2015	100
WFPD	TH14050	Thuja plicata	49.7	Thick	NO	4/20/2015	72
WFPD	TH14051	Thuja plicata	38.7	Thick	NO	4/20/2015	100
WFPD	TH14052	Thuja plicata	19.6	Thick	NO	4/20/2015	100

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WFPD	TH14053	Thuja plicata	68	Thick	NO	4/21/2015	100
WFPD	TH14054	Abies amabilis	46.4	Thick	NO	4/21/2015	100
WFPD	TH14055	Tsuga heterophylla	27.8	Thick	NO	4/20/2015	100
WFPD	TH14056	Pseudotsuga menziessi	143.4	Thick	NO	4/20/2015	100
WFPD	TH14057	Dead	128.1	Thick	NO	4/21/2015	0
WFPD	TH14058	Taxus brevifolia	33.9	Thin	NO	4/20/2015	100
WFPD	TH14059	Thuja plicata	126.1	Thick	NO	4/21/2015	100
WFPD	TH14060	Tsuga heterophylla	16	Thick	NO	4/20/2015	100
WFPD	TH14121	Tsuga heterophylla	39	Thick	NO	4/20/2015	100
WFPD	TH14122	Taxus brevifolia	23.1	Thin	NO	4/20/2015	100
WFPD	TH14123	Tsuga heterophylla	77	Thick	NO	4/21/2015	100
WFPD	TH14124	Pseudotsuga menziessi	135.7	Thick	NO	4/21/2015	0
WFPD	TH14125	Tsuga heterophylla	101.1	Thick	NO	4/21/2015	100
WFPD	TH14126	Taxus brevifolia	14.9	Thin	NO	4/20/2015	100
WFPD	TH14127	Taxus brevifolia	46.3	Thin	NO	4/20/2015	0
WFPD	TH14128	Abies amabilis	38.7	Thick	NO	4/20/2015	100
WFPD	TH14129	Tsuga heterophylla	77.7	Thick	NO	4/21/2015	100
WFPD	TH14130	Tsuga heterophylla	55.6	Thick	NO	4/20/2015	100

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