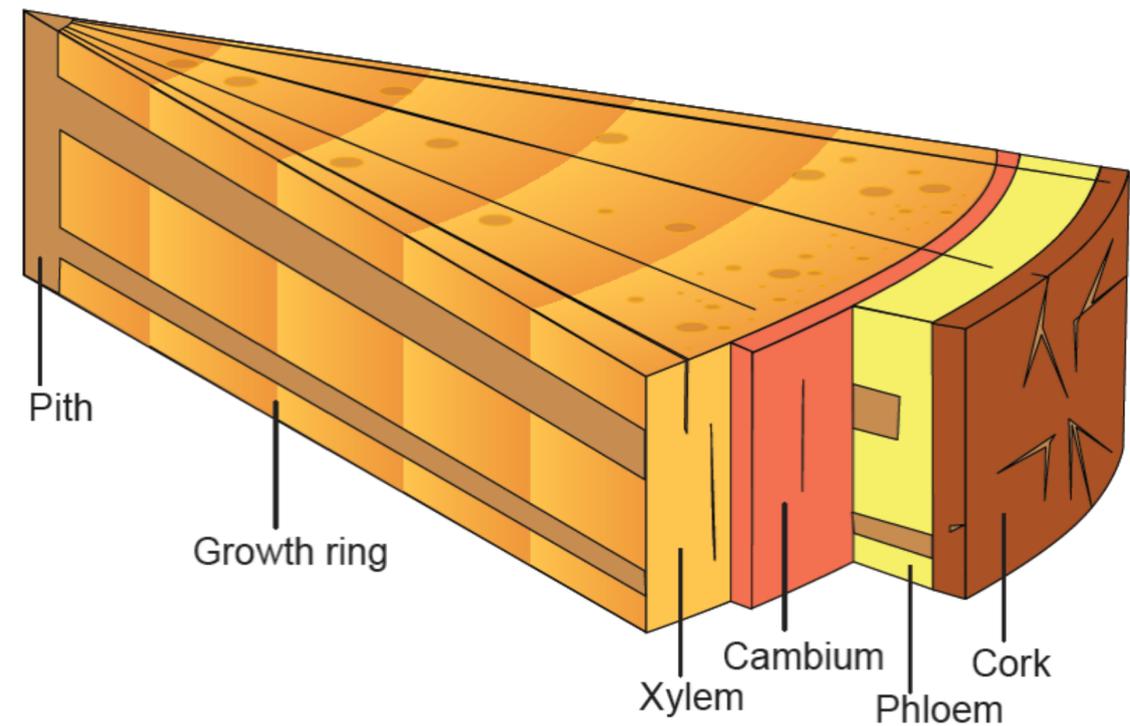
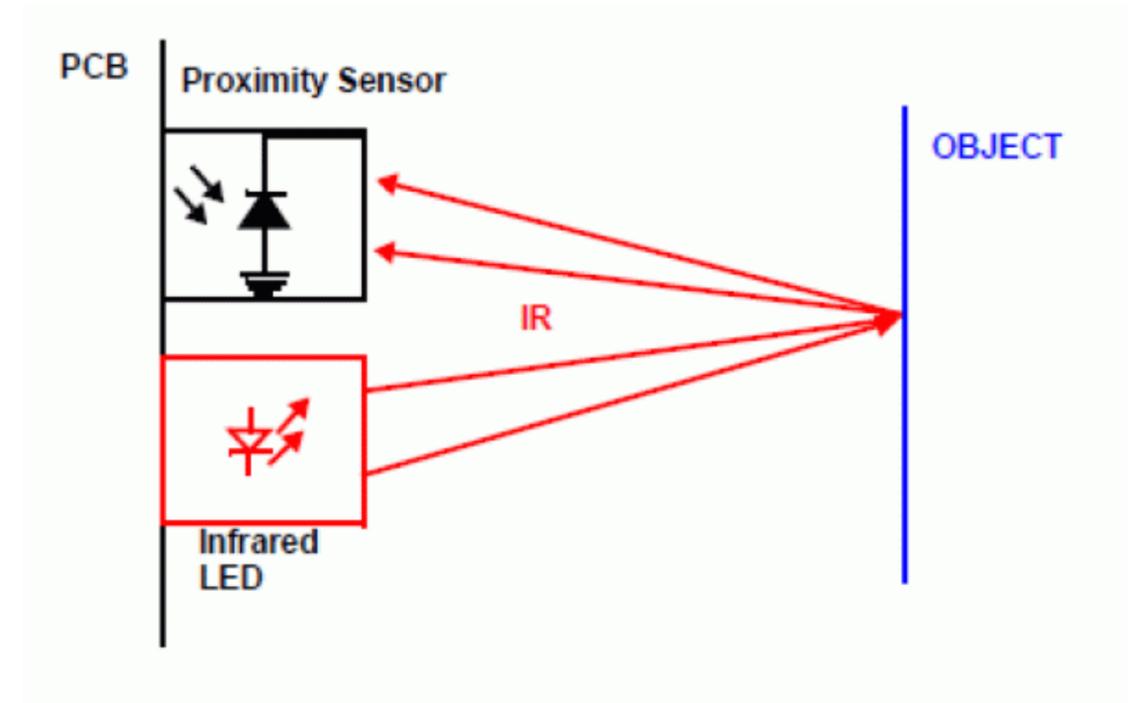


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
8	5/21/20 17:40	218A0202	C07	45	1564115400	174	174	60897	45312	17	66	190	-4044	0	-104	
9	5/21/20 17:40	218A0202	C08	49	1564115400	165	89	515	744	923	934	342	274	553	345	
10	5/21/20 17:41	C1870012	C09	4B	1564120800	3080	0	250	99	1	21	4892	rel.4.9h			
11	5/21/20 17:41	C1870012	C0A	4C	1564120800	0	0	-137	-137	-137	-137	-137	-95	-100	-103	
12	5/21/20 17:41	218A0156	C0B	45	1564120800	190	193	61564	42879	17	66	217	-3984	0	190	
13	5/21/20 17:42	218A0156	C0C	49	1564120800	974	555	2351	3569	4894	5330	2562	1497	1989	1585	2
14	5/21/20 17:42	218A0164	C0D	45	1564120800	183	185	45534	44802	17	68	211	-3878	0	-966	
15	5/21/20 17:42	218A0164	C0E	49	1564120800	366	352	2076	3375	3509	4001	1219	919	1336	952	
16	5/21/20 17:42	218A0169	C0F	45	1564120800	192	197	53890	44418	17	91	217	-4080	0	-389	
17	5/21/20 17:43	218A0169	C10	49	1564120800	1421	1460	3567	4994	4422	3944	6790	4068	2762	2645	2
18	5/21/20 17:43	218A0207	C11	45	1564120800	185	191	52690	44546	17	71	211	-4104	0	-515	
19	5/21/20 17:43	218A0207	C12	49	1564120800	1923	956	2513	4460	5338	6256	7558	3286	2656	2435	3
20	5/21/20 17:43	218A0202	C13	45	1564120801	183	186	65330	45203	17	66	211	-4043	0	-103	
21	5/21/20 17:44	218A0202	C14	49	1564120801	244	158	1065	1832	2482	2605	562	462	679	536	
22	5/21/20 17:44	C1870012	C15	4B	1564126200	3092	0	250	99	1	28	4892	rel.4.9h			
23	5/21/20 17:44	C1870012	C16	4C	1564126200	0	0	-137	-137	-137	-137	-137	-96	-101	-103	
24	5/21/20 17:45	218A0156	C17	45	1564126200	190	197	58064	42754	17	66	241	-3985	0	189	
25	5/21/20 17:45	218A0156	C18	49	1564126200	1562	911	3718	5190	7578	7832	3838	2543	3258	2621	3
26	5/21/20 17:45	218A0164	C19	45	1564126200	197	201	45460	44802	17	68	239	-3876	0	-966	
27	5/21/20 17:45	218A0164	C1A	49	1564126200	479	478	2669	4731	4907	5441	1566	1268	1542	1323	1
28	5/21/20 17:46	218A0169	C1B	45	1564126200	202	208	53171	44294	17	91	238	-4081	0	-388	
29	5/21/20 17:46	218A0169	C1C	49	1564126200	1914	2287	3951	6517	5959	5731	9154	6072	3005	3489	3
30	5/21/20 17:46	218A0207	C1D	45	1564126200	201	211	55285	44318	17	75	302	-4106	0	-524	
31	5/21/20 17:47	218A0202	C1E	45	1564126200	196	199	70011	45186	17	66	236	-4042	0	-102	
32	5/21/20 17:47	218A0202	C1F	49	1564126200	350	237	1674	2759	3783	3894	789	670	1014	808	
33	5/21/20 17:47	C1870012	C20	4B	1564131600	3103	0	250	99	1	26	4892	rel.4.9h			
34	5/21/20 17:47	C1870012	C21	4C	1564131600	0	0	-137	-137	-137	-137	-137	-96	-102	-102	
35	5/21/20 17:48	218A0156	C22	45	1564131600	193	203	57180	42753	17	65	269	-3987	0	188	
36	5/21/20 17:48	218A0156	C23	49	1564131600	2268	1488	4462	6120	9641	9949	5427	3679	4121	3465	4
37	5/21/20 17:48	218A0164	C24	45	1564131600	208	212	45170	44675	17	67	253	-3875	0	-967	
38	5/21/20 17:48	218A0169	C25	45	1564131600	217	225	52208	44290	17	91	267	-4081	0	-387	

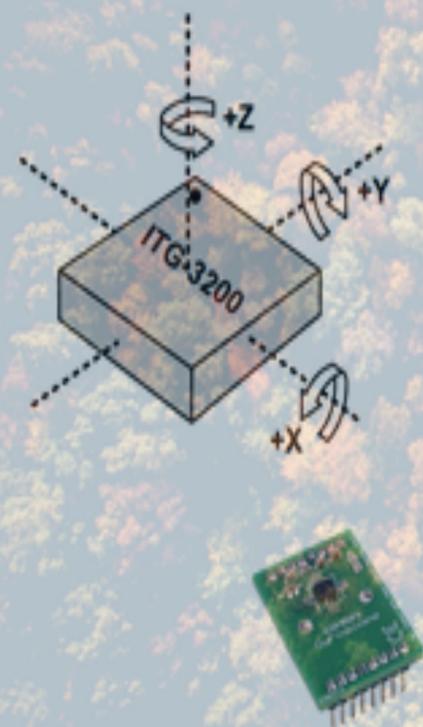
The first line is commenting the radial growth of the tree.



# The TreeTalker-G



## TREE STABILITY



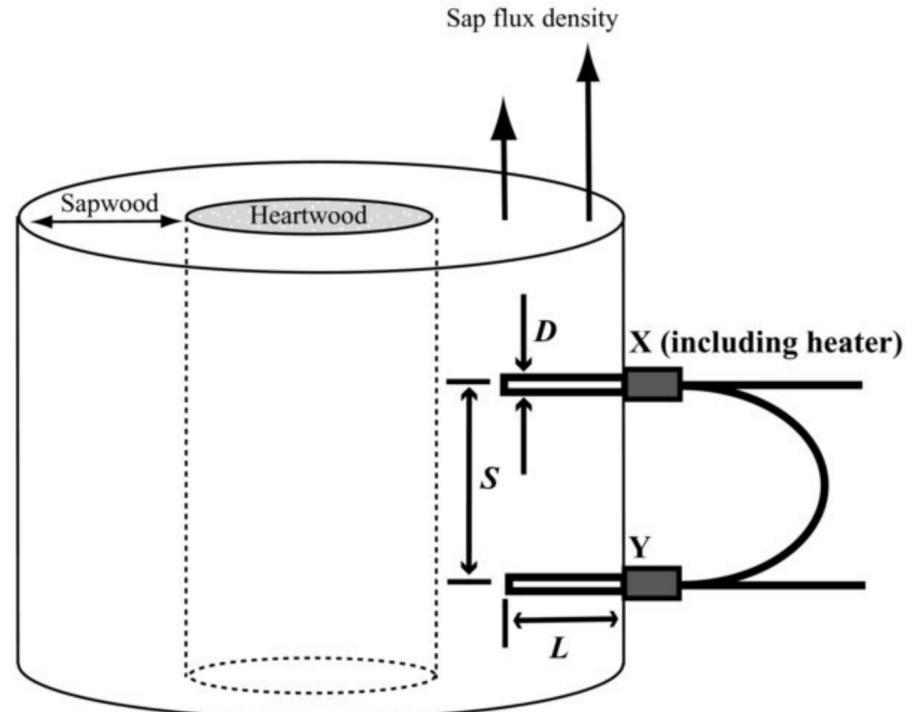
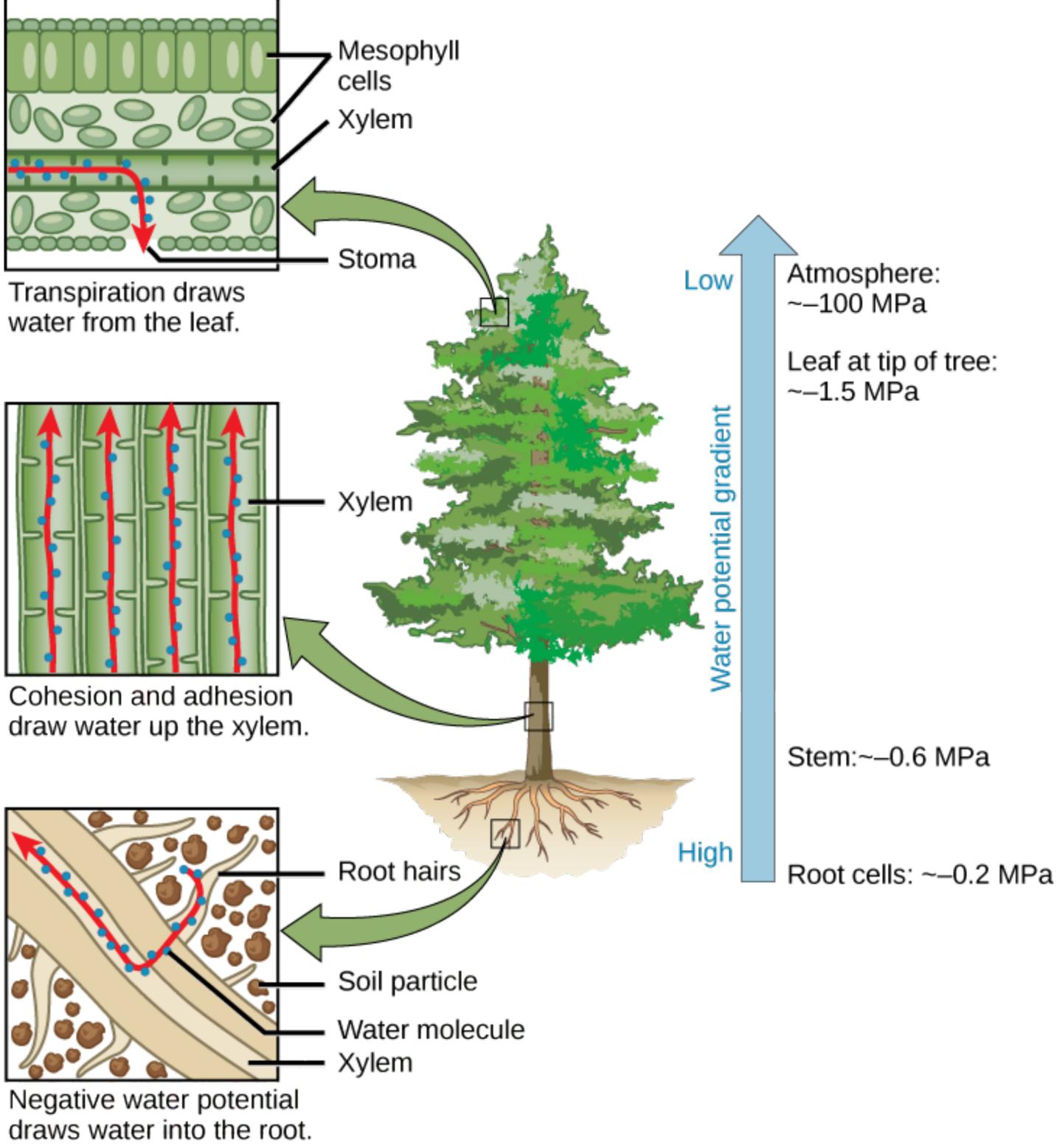
Real time measurements of tree inclination and movements ( $\pm 0.01$  deg)

The second line addresses the data of accelerometer

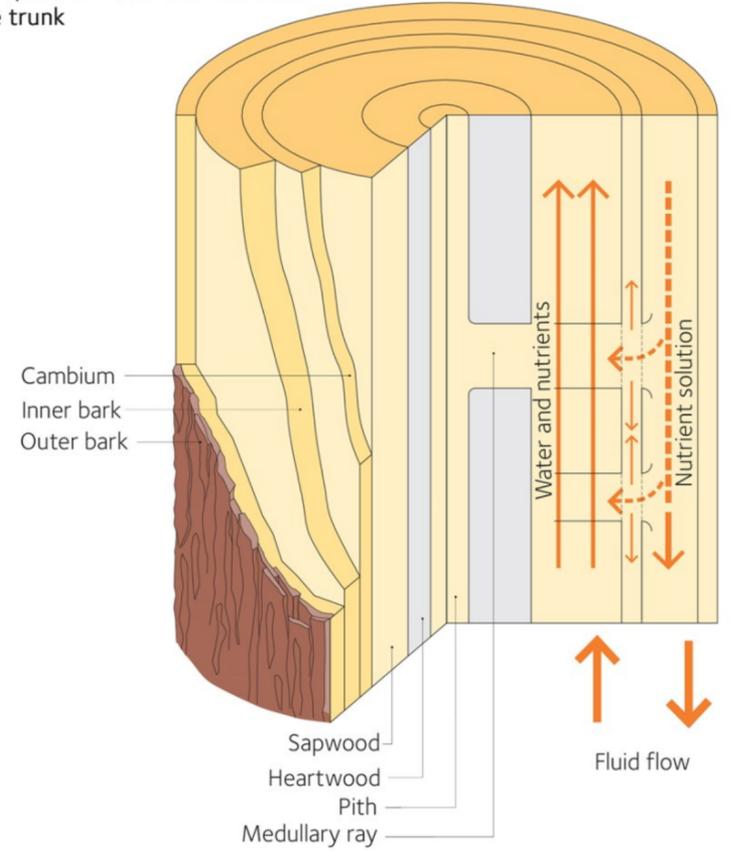


	Sensor	unit	accuracy
X,Y,Z position	HDC1080	degree	$\pm 0.01$ degree

# The third line interprets the thermal probe

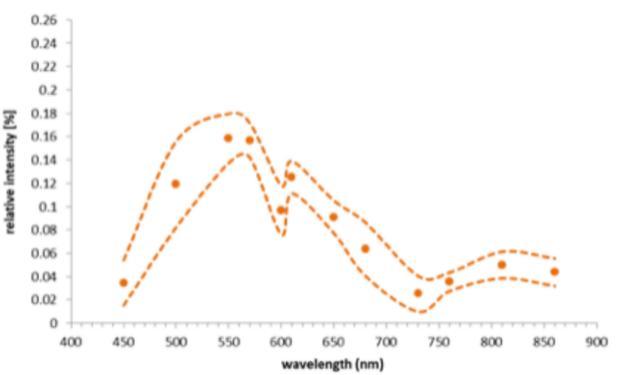
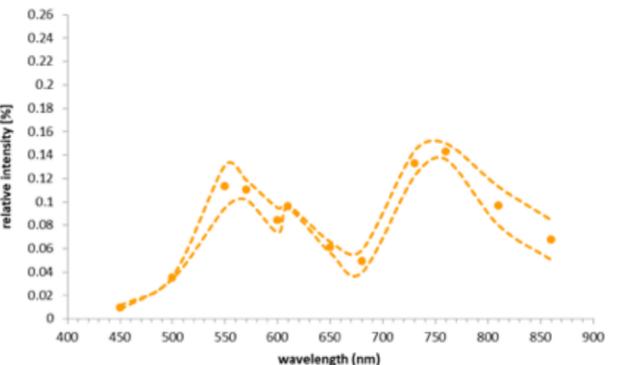
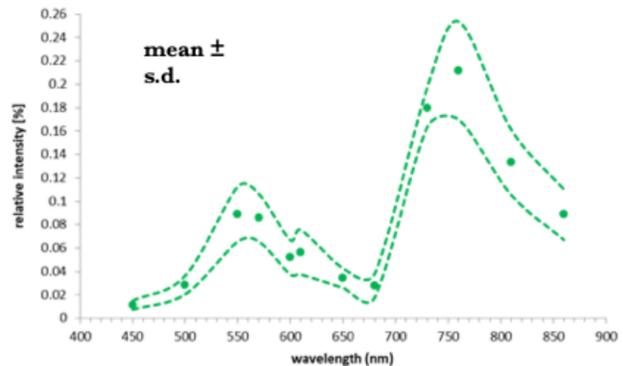


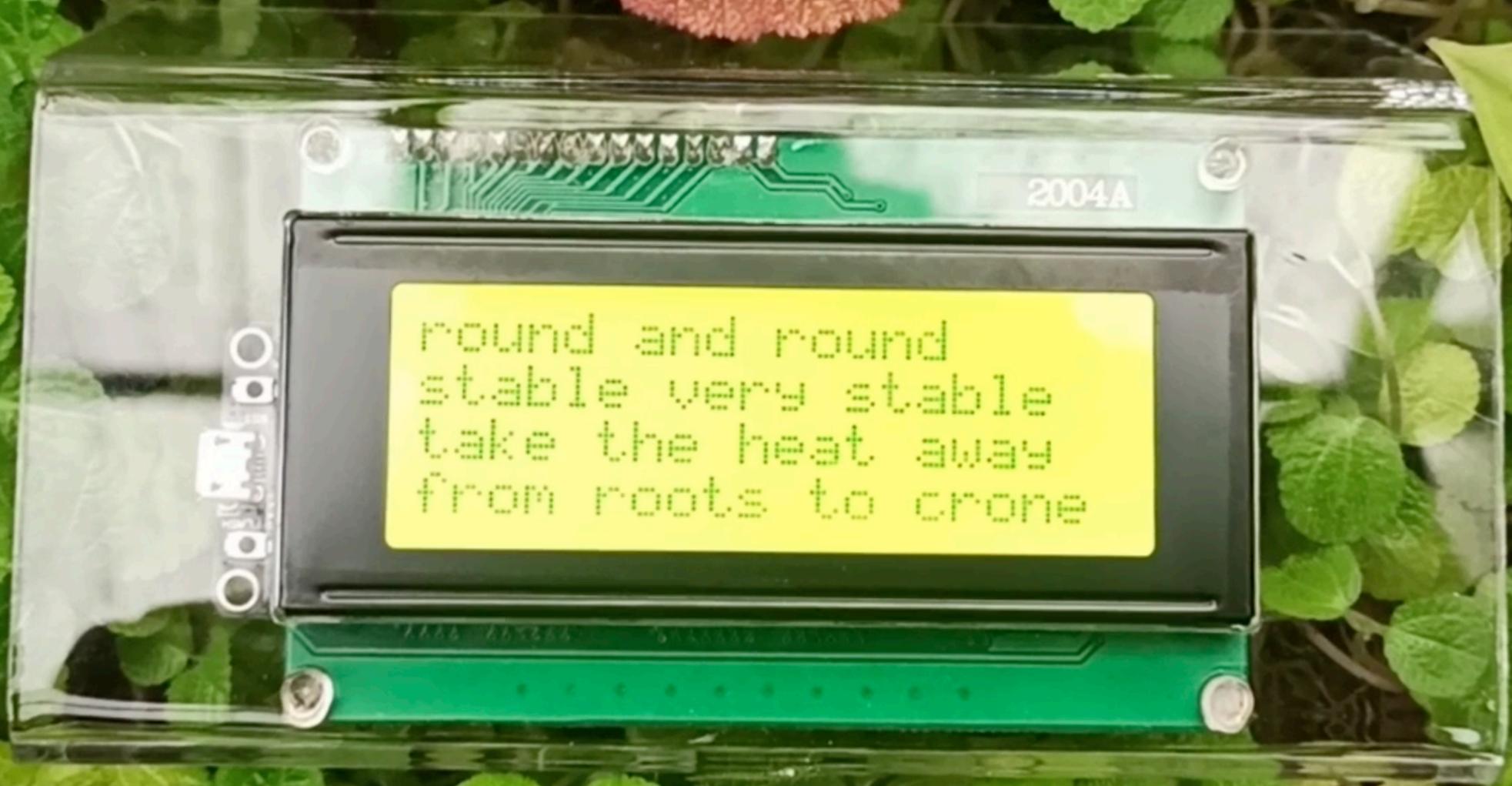
The transport of water and nutrients in a tree trunk



# The fourth line describes the spectrometer data

Characterizing leaf senescence stages of Linden trees in Moscow by TreeTalker spectrometer



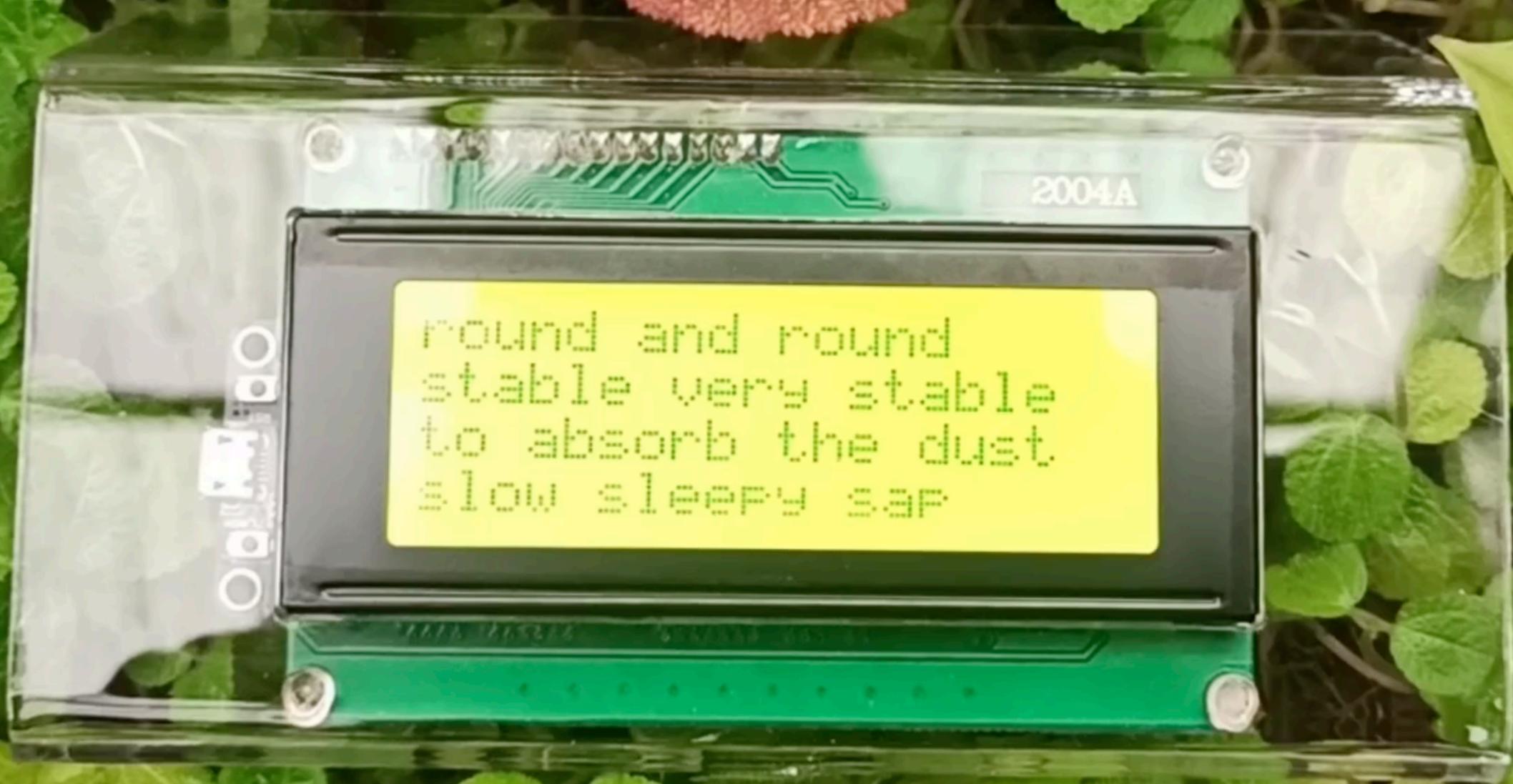


round and round  
stable very stable  
take the heat away  
from roots to crone



round and round  
stable very stable  
in my cool shade  
water water water

2004A



round and round  
stable very stable  
to absorb the dust  
slow sleepy sap

2004A

