

MINISTÉRIO DA EDUCAÇÃO

UNIVERSIDADE FEDERAL DO RIO GRANDE DO SUL

PROGRAMA DE PÓS GRADUAÇÃO EM ENGENHARIA MECÂNICA

Relatório interno

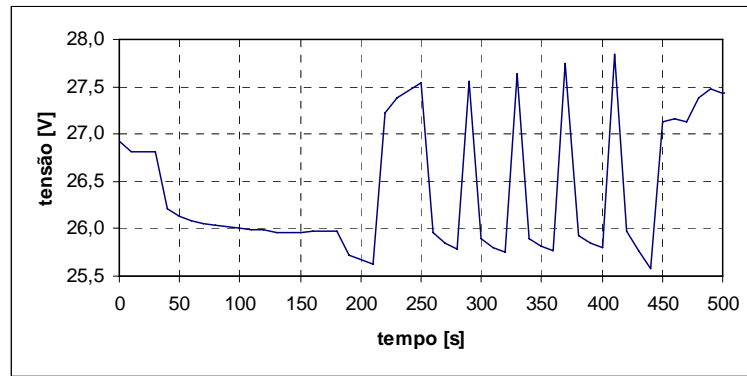
**Resultados experimentais obtidos durante a preparação
da tese “Bases para uma metodologia de dimensionamento
de aproveitamentos híbridos baseados
em energias hidrelétrica e fotovoltaica”**

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Porto Alegre, 16 de abril de 2001.

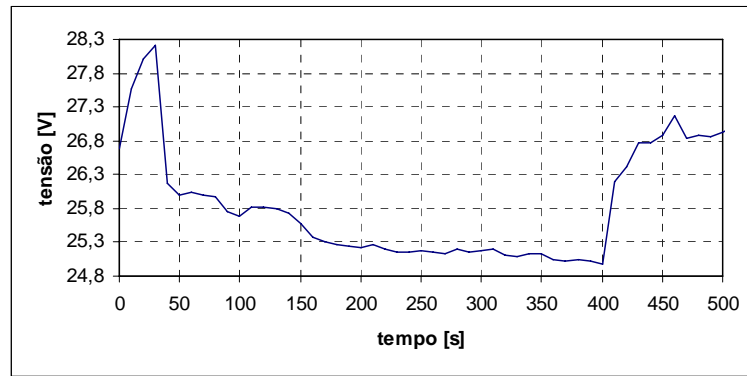
Este relatório apresenta os resultados experimentais obtidos com o estudo de aproveitamentos híbridos de geração baseados em energias hidrelétrica e fotovoltaica, no Laboratório de Energia Solar da Escola de Engenharia, como parte da tese de doutoramento do primeiro autor. A bancada experimental e os procedimentos são descritos na tese. São apresentados resultados que não aparecem no corpo do texto.

Neste relatório, t [s] é o tempo, I_{bat} [A] é a corrente das baterias, I_c [A] é a corrente das cargas consumidoras, I_{gh} [A] é a corrente do gerador hidrelétrico, I_{gf} [A] é a corrente do gerador fotovoltaico e V_{bat} [V] é a tensão das baterias. As chaves k_i , k_s e k_{gh} permitem controlar o fluxo de energia no aproveitamento híbrido.



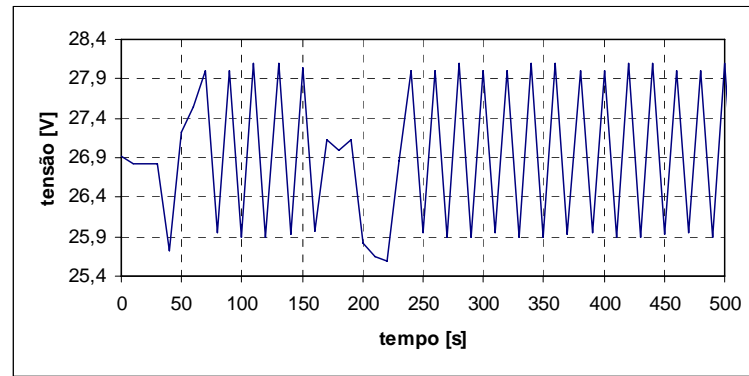
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0	6,500	3,834	0,000	10,373	26,928	0	0	0
10	6,734	3,681	0,000	10,380	26,820	0	0	0
20	6,739	3,669	0,000	10,373	26,816	0	0	0
30	6,745	3,666	0,000	10,375	26,821	0	0	0
40	0,024	10,627	0,000	10,625	26,210	0	0	0
50	0,101	10,573	0,000	10,640	26,133	0	0	0
60	0,124	10,554	0,000	10,647	26,089	0	0	0
70	0,121	10,542	0,000	10,632	26,058	0	0	0
80	0,162	10,533	0,000	10,669	26,035	0	0	0
90	0,165	10,527	0,000	10,668	26,017	0	0	0
100	0,218	10,521	0,000	10,702	26,005	0	0	0
110	0,274	10,517	0,000	10,760	25,997	0	0	0
120	0,311	10,515	0,000	10,794	25,990	0	0	0
130	0,078	10,505	0,000	10,084	25,951	0	0	0
140	0,457	10,506	0,000	10,934	25,951	0	0	0
150	0,453	10,508	0,000	10,929	25,966	0	0	0
160	0,449	10,507	0,000	10,940	25,968	0	0	0
170	0,485	10,507	0,000	10,966	25,968	0	0	0
180	0,566	10,508	0,000	11,060	25,973	0	0	0
190	-2,530	13,855	0,000	11,300	25,720	0	0	1
200	-2,523	13,815	0,000	11,246	25,671	0	0	1
210	-2,788	13,793	0,000	10,806	25,625	0	0	1
220	11,220	14,459	15,297	10,330	27,228	0	0	1
230	10,667	14,490	14,746	10,288	27,388	0	0	1
240	10,449	14,506	14,732	10,229	27,467	0	0	1
250	10,307	14,519	14,630	10,076	27,539	0	0	0
260	-2,607	13,869	0,000	11,237	25,959	0	0	1
270	-2,520	13,841	0,000	11,289	25,847	0	0	1
280	-2,428	13,823	0,000	11,359	25,781	0	0	1
290	10,608	14,526	14,831	10,177	27,556	0	0	0
300	-2,429	13,851	0,000	11,400	25,897	0	0	1
310	-2,288	13,828	0,000	11,513	25,804	0	0	1
320	-2,165	13,814	0,000	11,620	25,754	0	0	1
330	10,595	14,544	14,489	10,432	27,641	0	0	0
340	-2,078	13,853	0,000	11,742	25,900	0	0	1
350	-1,907	13,834	0,000	11,890	25,813	0	0	1
360	-1,789	13,823	0,000	12,002	25,769	0	0	1
370	10,326	14,574	14,219	10,654	27,743	0	0	0
380	-1,674	13,865	0,000	12,161	25,927	0	0	1
390	-1,536	13,846	0,000	12,286	25,843	0	0	1
400	-1,378	13,837	0,000	12,423	25,803	0	0	1
410	10,232	14,596	13,954	10,818	27,842	0	0	0
420	-1,158	13,885	0,000	12,550	25,969	0	0	1
430	-3,128	13,800	0,000	10,304	25,769	0	0	1
440	-6,093	13,698	0,000	7,764	25,574	0	0	1
450	8,819	14,372	16,291	6,839	27,134	0	0	1
460	8,106	14,364	16,196	6,344	27,167	0	0	1
470	7,709	14,346	16,094	5,802	27,132	0	0	1
480	8,185	14,427	15,149	7,328	27,376	0	0	1
490	8,150	14,451	14,929	7,624	27,482	0	0	1
500	7,877	14,435	15,075	7,033	27,427	0	0	1

EXPERIMENTO 1



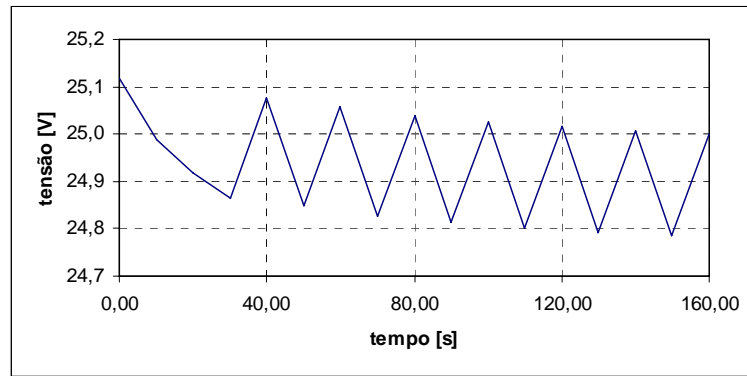
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10	7,577	3,736	0,000	11,358	27,569	0	0	0
20	7,804	3,760	0,000	11,517	28,023	0	1	0
30	7,627	3,771	0,000	11,362	28,213	0	1	0
40	-0,412	14,066	0,000	13,617	26,176	0	0	1
50	-1,275	13,953	0,000	11,888	25,995	0	0	1
60	0,249	13,974	0,000	14,210	26,046	0	0	1
70	-0,382	13,945	0,000	13,386	26,002	0	0	1
80	-0,242	13,932	0,000	13,617	25,966	0	0	1
90	-3,803	13,810	0,000	10,455	25,751	0	0	1
100	-4,162	13,781	0,000	9,277	25,680	0	0	1
110	0,147	13,884	0,000	14,173	25,822	0	0	1
120	-0,703	13,868	0,000	13,089	25,816	0	0	1
130	-0,845	13,857	0,000	12,303	25,790	0	0	1
140	-1,583	13,827	0,000	11,875	25,732	0	0	1
150	-2,917	13,763	0,000	10,348	25,579	0	0	1
160	-6,737	13,643	0,000	6,801	25,381	0	0	1
170	-7,714	13,604	0,000	5,863	25,300	0	0	1
180	-7,861	13,590	0,000	5,704	25,261	0	0	1
190	-7,825	13,582	0,000	5,754	25,236	0	0	1
200	-7,499	13,584	0,000	5,927	25,226	0	0	1
210	-6,606	13,605	0,000	7,329	25,258	0	0	1
220	-7,714	13,573	0,000	5,769	25,205	0	0	1
230	-8,111	13,553	0,000	5,428	25,161	0	0	1
240	-7,988	13,552	0,000	5,557	25,149	0	0	1
250	-7,302	13,568	0,000	6,411	25,168	0	0	1
260	-7,390	13,561	0,000	6,137	25,152	0	0	1
270	-7,426	13,556	0,000	6,129	25,138	0	0	1
280	-5,607	13,604	0,000	7,862	25,202	0	0	1
290	-6,660	13,574	0,000	6,754	25,153	0	0	1
300	-5,475	13,599	0,000	7,667	25,169	0	0	1
310	-4,945	13,613	0,000	8,296	25,192	0	0	1
320	-7,376	13,546	0,000	6,148	25,100	0	0	1
330	-7,204	13,547	0,000	6,282	25,094	0	0	1
340	-5,543	13,588	0,000	7,899	25,141	0	0	1
350	-5,672	13,583	0,000	7,447	25,135	0	0	1
360	-7,858	13,521	0,000	5,647	25,044	0	0	1
370	-7,949	13,515	0,000	5,550	25,026	0	0	1
380	-7,496	13,524	0,000	6,115	25,035	0	0	1
390	-7,578	13,517	0,000	5,782	25,014	0	0	1
400	-8,058	13,500	0,000	5,439	24,985	0	0	1
410	9,991	14,128	18,803	5,334	26,186	0	0	1
420	9,229	14,181	17,785	5,561	26,424	0	0	1
430	11,709	14,324	16,303	9,824	26,766	0	0	1
440	9,924	14,293	16,508	7,285	26,778	0	0	1
450	10,310	14,332	15,941	8,134	26,880	0	0	1
460	12,678	14,454	14,662	11,951	27,170	0	0	1
470	8,217	14,285	16,300	6,197	26,829	0	0	1
480	8,347	14,283	15,322	7,146	26,873	0	0	1
490	8,217	14,285	16,567	5,924	26,863	0	0	1
500	8,788	14,315	16,303	6,936	26,929	0	0	1

EXPERIMENTO 2



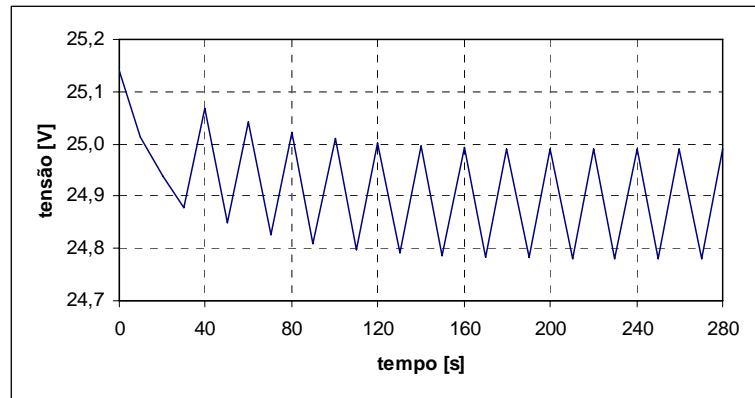
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0	6,500	3,834	0,000	10,373	26,928	0	0	0
10	6,734	3,681	0,000	10,380	26,820	0	0	0
20	6,739	3,669	0,000	10,373	26,816	0	0	0
30	6,745	3,666	0,000	10,375	26,821	0	0	0
40	0,024	10,627	0,000	10,625	25,720	0	0	0
50	0,101	10,573	0,000	10,640	27,228	0	0	0
60	0,124	10,554	0,000	10,647	27,539	0	0	0
70	0,121	10,542	0,000	10,632	28,002	0	0	0
80	0,162	10,533	0,000	10,669	25,959	0	0	0
90	0,165	10,527	0,000	10,668	28,006	0	0	0
100	0,218	10,521	0,000	10,702	25,897	0	0	0
110	0,274	10,517	0,000	10,760	28,098	0	0	0
120	0,311	10,515	0,000	10,794	25,900	0	0	0
130	0,078	10,505	0,000	10,084	28,102	0	0	0
140	0,457	10,506	0,000	10,934	25,927	0	0	0
150	0,453	10,508	0,000	10,929	28,030	0	0	0
160	0,449	10,507	0,000	10,940	25,969	0	0	0
170	0,485	10,507	0,000	10,966	27,134	0	0	0
180	0,566	10,508	0,000	11,060	27,000	0	0	0
190	-2,530	13,855	0,000	11,300	27,132	0	0	1
200	-2,523	13,815	0,000	11,246	25,820	0	0	1
210	-2,788	13,793	0,000	10,806	25,656	0	0	1
220	11,220	14,459	15,297	10,330	25,595	0	0	1
230	10,667	14,490	14,746	10,288	26,871	0	0	1
240	10,449	14,506	14,732	10,229	28,002	0	0	1
250	10,307	14,519	14,630	10,076	25,959	0	0	0
260	-2,607	13,869	0,000	11,237	28,006	0	0	1
270	-2,520	13,841	0,000	11,289	25,897	0	0	1
280	-2,428	13,823	0,000	11,359	28,098	0	0	1
290	10,608	14,526	14,831	10,177	25,900	0	0	0
300	-2,429	13,851	0,000	11,400	28,002	0	0	1
310	-2,288	13,828	0,000	11,513	25,959	0	0	1
320	-2,165	13,814	0,000	11,620	28,006	0	0	1
330	10,595	14,544	14,489	10,432	25,897	0	0	0
340	-2,078	13,853	0,000	11,742	28,098	0	0	1
350	-1,907	13,834	0,000	11,890	25,900	0	0	1
360	-1,789	13,823	0,000	12,002	28,102	0	0	1
370	10,326	14,574	14,219	10,654	25,927	0	0	0
380	-1,674	13,865	0,000	12,161	28,002	0	0	1
390	-1,536	13,846	0,000	12,286	25,959	0	0	1
400	-1,378	13,837	0,000	12,423	28,006	0	0	1
410	10,232	14,596	13,954	10,818	25,897	0	0	0
420	-1,158	13,885	0,000	12,550	28,098	0	0	1
430	-3,128	13,800	0,000	10,304	25,900	0	0	1
440	-6,093	13,698	0,000	7,764	28,102	0	0	1
450	8,819	14,372	16,291	6,839	25,927	0	0	1
460	8,106	14,364	16,196	6,344	28,002	0	0	1
470	7,709	14,346	16,094	5,802	25,959	0	0	1
480	8,185	14,427	15,149	7,328	28,006	0	0	1
490	8,150	14,451	14,929	7,624	25,897	0	0	1
500	7,877	14,435	15,075	7,033	28,098	0	0	1

EXPERIMENTO 3



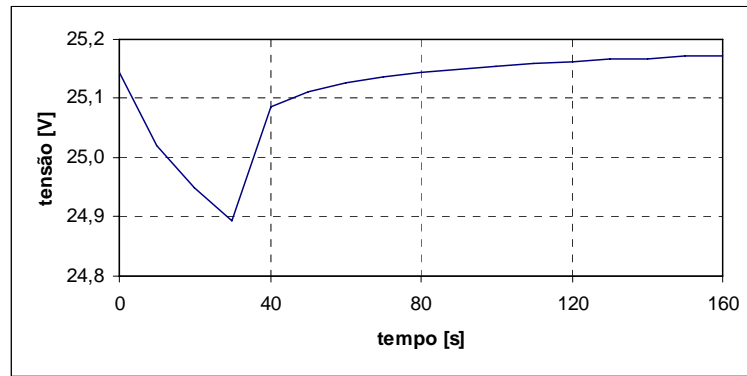
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0	-3,752	3,659	0,000	0,000	25,117	0	0	0
10	-3,533	3,531	0,000	0,000	24,988	0	0	0
20	-3,506	3,505	0,000	0,000	24,917	0	0	0
30	-3,494	3,494	0,000	0,000	24,864	1	0	0
40	0,000	0,000	0,000	0,000	25,078	0	0	0
50	-3,518	3,516	0,000	0,000	24,849	1	0	0
60	0,000	0,000	0,000	0,000	25,058	0	0	0
70	-3,518	3,516	0,000	0,000	24,828	1	0	0
80	0,000	0,000	0,000	0,000	25,040	0	0	0
90	-3,516	3,514	0,000	0,000	24,814	1	0	0
100	0,000	0,000	0,000	0,000	25,026	0	0	0
110	-3,515	3,513	0,000	0,000	24,802	1	0	0
120	0,000	0,000	0,000	0,000	25,015	0	0	0
130	-3,514	3,512	0,000	0,000	24,792	1	0	0
140	0,000	0,000	0,000	0,000	25,007	0	0	0
150	-3,513	3,511	0,000	0,000	24,786	1	0	0
160	0,000	0,000	0,000	0,000	25,001	0	0	0

EXPERIMENTO 4



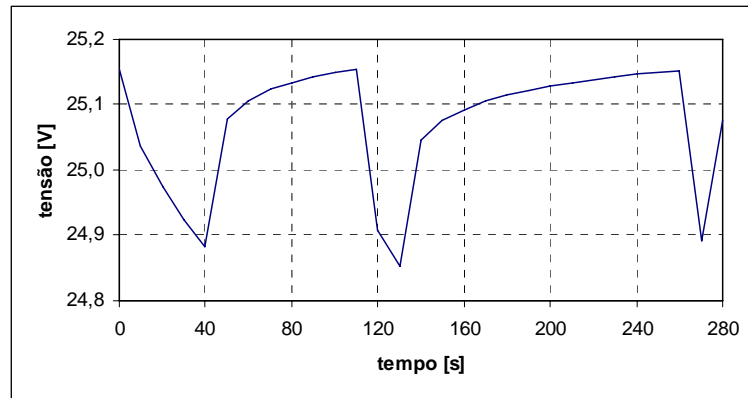
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10	0,000	0,000	0,000	0,000	25,299	0	0	0
0	-3,739	3,659	0,000	0,000	25,141	0	0	0
10	-3,534	3,533	0,000	0,000	25,013	0	0	0
20	-3,507	3,506	0,000	0,000	24,938	0	0	0
30	-3,495	3,494	0,000	0,000	24,877	1	0	0
40	0,000	0,000	0,000	0,000	25,068	0	0	0
50	-3,517	3,516	0,000	0,000	24,849	1	0	0
60	0,000	0,000	0,000	0,000	25,043	0	0	0
70	-3,517	3,515	0,000	0,000	24,826	1	0	0
80	0,000	0,000	0,000	0,000	25,023	0	0	0
90	-3,516	3,514	0,000	0,000	24,810	1	0	0
100	0,000	0,000	0,000	0,000	25,010	0	0	0
110	-3,514	3,513	0,000	0,000	24,799	1	0	0
120	0,000	0,000	0,000	0,000	25,002	0	0	0
130	-3,513	3,512	0,000	0,000	24,792	1	0	0
140	0,000	0,000	0,000	0,000	24,996	0	0	0
150	-3,513	3,511	0,000	0,000	24,786	1	0	0
160	0,000	0,000	0,000	0,000	24,993	0	0	0
170	-3,512	3,511	0,000	0,000	24,784	1	0	0
180	0,000	0,000	0,000	0,000	24,991	0	0	0
190	-3,512	3,510	0,000	0,000	24,782	1	0	0
200	0,000	0,000	0,000	0,000	24,990	0	0	0
210	-3,512	3,510	0,000	0,000	24,781	1	0	0
220	0,000	0,000	0,000	0,000	24,989	0	0	0
230	-3,512	3,510	0,000	0,000	24,780	1	0	0
240	0,000	0,000	0,000	0,000	24,989	0	0	0
250	-3,512	3,510	0,000	0,000	24,780	1	0	0
260	0,000	0,000	0,000	0,000	24,989	0	0	0
270	-3,511	3,510	0,000	0,000	24,780	1	0	0
280	0,000	0,000	0,000	0,000	24,990	0	0	0

EXPERIMENTO 5



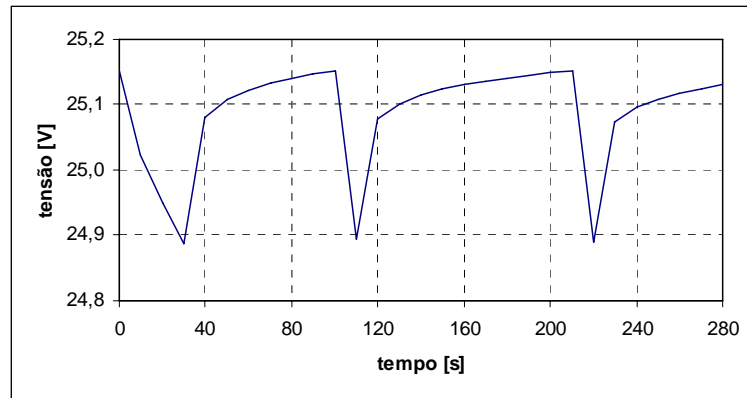
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0	-3,749	3,659	0,000	0,000	25,144	0	0	0
10	-3,534	3,532	0,000	0,000	25,020	0	0	0
20	-3,507	3,506	0,000	0,000	24,949	0	0	0
30	-3,495	3,495	0,000	0,000	24,893	1	0	0
40	0,000	0,000	0,000	0,000	25,086	1	0	0
50	0,000	0,000	0,000	0,000	25,111	1	0	0
60	0,000	0,000	0,000	0,000	25,126	1	0	0
70	0,000	0,000	0,000	0,000	25,136	1	0	0
80	0,000	0,000	0,000	0,000	25,144	1	0	0
90	0,000	0,000	0,000	0,000	25,150	1	0	0
100	0,000	0,000	0,000	0,000	25,155	1	0	0
110	0,000	0,000	0,000	0,000	25,159	1	0	0
120	0,000	0,000	0,000	0,000	25,163	1	0	0
130	0,000	0,000	0,000	0,000	25,166	1	0	0
140	0,000	0,000	0,000	0,000	25,168	1	0	0
150	0,000	0,000	0,000	0,000	25,171	1	0	0
160	0,000	0,000	0,000	0,000	25,173	1	0	0

EXPERIMENTO 6



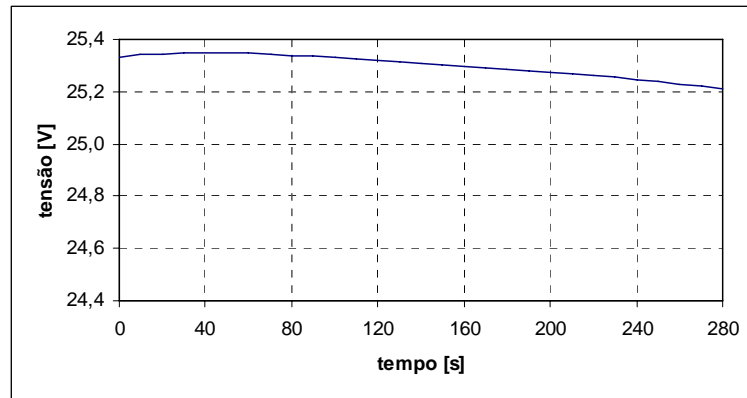
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,312	0	0	0
0	-3,751	3,660	0,000	0,000	25,155	0	0	0
10	-3,536	3,534	0,000	0,000	25,037	0	0	0
20	-3,509	3,508	0,000	0,000	24,975	0	0	0
30	-3,498	3,497	0,000	0,000	24,925	0	0	0
40	-3,492	3,491	0,000	0,000	24,883	1	0	0
50	0,000	0,000	0,000	0,000	25,078	1	0	0
60	0,000	0,000	0,000	0,000	25,106	1	0	0
70	0,000	0,000	0,000	0,000	25,123	1	0	0
80	0,000	0,000	0,000	0,000	25,134	1	0	0
90	0,000	0,000	0,000	0,000	25,143	1	0	0
100	0,000	0,000	0,000	0,000	25,149	1	0	0
110	0,000	0,000	0,000	0,000	25,155	0	0	0
120	-3,540	3,538	0,000	0,000	24,907	0	0	0
130	-3,503	3,502	0,000	0,000	24,852	1	0	0
140	0,000	0,000	0,000	0,000	25,046	1	0	0
150	0,000	0,000	0,000	0,000	25,075	1	0	0
160	0,000	0,000	0,000	0,000	25,093	1	0	0
170	0,000	0,000	0,000	0,000	25,105	1	0	0
180	0,000	0,000	0,000	0,000	25,114	1	0	0
190	0,000	0,000	0,000	0,000	25,122	1	0	0
200	0,000	0,000	0,000	0,000	25,128	1	0	0
210	0,000	0,000	0,000	0,000	25,134	1	0	0
220	0,000	0,000	0,000	0,000	25,138	1	0	0
230	0,000	0,000	0,000	0,000	25,142	1	0	0
240	0,000	0,000	0,000	0,000	25,146	1	0	0
250	0,000	0,000	0,000	0,000	25,149	1	0	0
260	0,000	0,000	0,000	0,000	25,152	0	0	0
270	-3,541	3,539	0,000	0,000	24,893	1	0	0
280	0,000	0,000	0,000	0,000	25,077	1	0	0

EXPERIMENTO 7



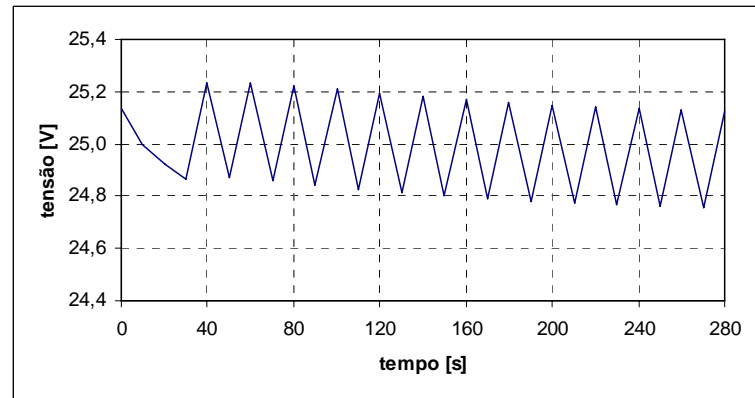
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,313	0	0	0
0	-3,753	3,661	0,000	0,000	25,152	0	0	0
10	-3,536	3,533	0,000	0,000	25,024	0	0	0
20	-3,508	3,507	0,000	0,000	24,949	0	0	0
30	-3,496	3,495	0,000	0,000	24,888	1	0	0
40	0,000	0,000	0,000	0,000	25,081	1	0	0
50	0,000	0,000	0,000	0,000	25,107	1	0	0
60	0,000	0,000	0,000	0,000	25,122	1	0	0
70	0,000	0,000	0,000	0,000	25,133	1	0	0
80	0,000	0,000	0,000	0,000	25,141	1	0	0
90	0,000	0,000	0,000	0,000	25,147	1	0	0
100	0,000	0,000	0,000	0,000	25,152	0	0	0
110	-3,541	3,538	0,000	0,000	24,895	1	0	0
120	0,000	0,000	0,000	0,000	25,079	1	0	0
130	0,000	0,000	0,000	0,000	25,101	1	0	0
140	0,000	0,000	0,000	0,000	25,114	1	0	0
150	0,000	0,000	0,000	0,000	25,124	1	0	0
160	0,000	0,000	0,000	0,000	25,130	1	0	0
170	0,000	0,000	0,000	0,000	25,136	1	0	0
180	0,000	0,000	0,000	0,000	25,141	1	0	0
190	0,000	0,000	0,000	0,000	25,145	1	0	0
200	0,000	0,000	0,000	0,000	25,149	1	0	0
210	0,000	0,000	0,000	0,000	25,152	0	0	0
220	-3,541	3,539	0,000	0,000	24,890	1	0	0
230	0,000	0,000	0,000	0,000	25,074	1	0	0
240	0,000	0,000	0,000	0,000	25,096	1	0	0
250	0,000	0,000	0,000	0,000	25,109	1	0	0
260	0,000	0,000	0,000	0,000	25,118	1	0	0
270	0,000	0,000	0,000	0,000	25,125	1	0	0
280	0,000	0,000	0,000	0,000	25,131	1	0	0

EXPERIMENTO 8



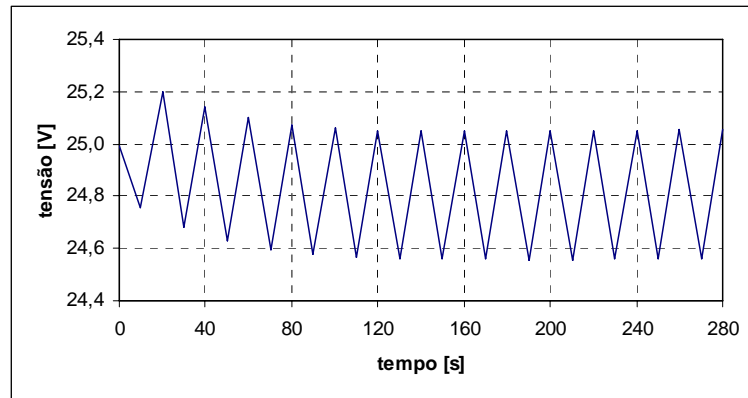
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,319	0	0	0
0	0,228	3,690	0,000	3,953	25,329	0	0	0
10	0,346	3,575	0,000	3,909	25,342	0	0	0
20	0,343	3,554	0,000	3,883	25,345	0	0	0
30	0,333	3,547	0,000	3,867	25,346	0	0	0
40	0,319	3,544	0,000	3,848	25,347	0	0	0
50	0,302	3,542	0,000	3,830	25,348	0	0	0
60	0,272	3,540	0,000	3,796	25,346	0	0	0
70	0,236	3,539	0,000	3,759	25,344	0	0	0
80	0,185	3,537	0,000	3,706	25,339	0	0	0
90	0,133	3,536	0,000	3,655	25,334	0	0	0
100	0,111	3,535	0,000	3,630	25,330	0	0	0
110	0,075	3,534	0,000	3,594	25,325	0	0	0
120	0,050	3,533	0,000	3,569	25,320	0	0	0
130	0,027	3,532	0,000	3,545	25,315	0	0	0
140	0,005	3,531	0,000	3,521	25,310	0	0	0
150	-0,075	3,529	0,000	3,497	25,301	0	0	0
160	-0,041	3,529	0,000	3,477	25,298	0	0	0
170	-0,058	3,528	0,000	3,456	25,292	0	0	0
180	-0,082	3,527	0,000	3,432	25,287	0	0	0
190	-0,106	3,527	0,000	3,408	25,282	0	0	0
200	-0,128	3,526	0,000	3,384	25,276	0	0	0
210	-0,156	3,525	0,000	3,356	25,270	0	0	0
220	-0,236	3,524	0,000	3,312	25,261	0	0	0
230	-0,238	3,523	0,000	3,271	25,254	0	0	0
240	-0,273	3,522	0,000	3,236	25,246	0	0	0
250	-0,311	3,522	0,000	3,196	25,238	0	0	0
260	-0,359	3,520	0,000	3,148	25,229	0	0	0
270	-0,396	3,520	0,000	3,110	25,220	0	0	0
280	-0,433	3,519	0,000	3,071	25,210	0	0	0

EXPERIMENTO 9



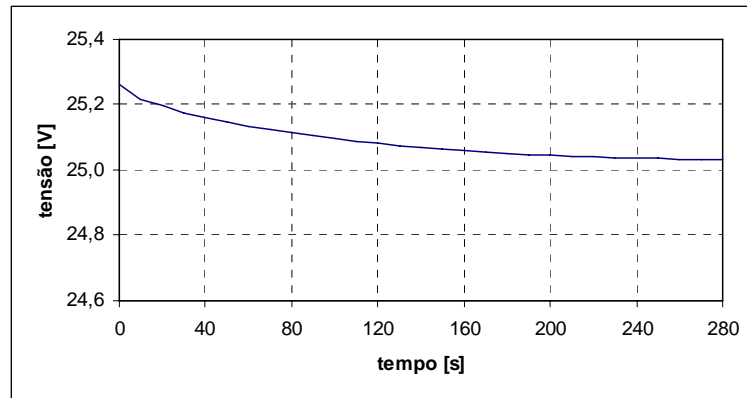
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,320	0	0	0
0	-4,935	7,241	0,000	2,504	25,138	0	0	0
10	-4,511	6,989	0,000	2,470	24,997	0	0	0
20	-4,485	6,935	0,000	2,441	24,922	0	0	0
30	-4,489	6,912	0,000	2,414	24,864	1	0	0
40	2,391	0,000	0,000	2,380	25,231	0	0	0
50	-4,593	6,959	0,000	2,359	24,870	1	0	0
60	2,337	0,000	0,000	2,327	25,232	0	0	0
70	-4,645	6,960	0,000	2,307	24,858	1	0	0
80	2,287	0,000	0,000	2,277	25,221	0	0	0
90	-4,691	6,956	0,000	2,259	24,843	1	0	0
100	2,240	0,000	0,000	2,230	25,208	0	0	0
110	-4,732	6,953	0,000	2,214	24,828	1	0	0
120	2,099	0,000	0,000	2,187	25,193	0	0	0
130	-4,772	6,949	0,000	2,172	24,814	1	0	0
140	2,155	0,000	0,000	2,145	25,181	0	0	0
150	-4,809	6,947	0,000	2,132	24,802	1	0	0
160	2,116	0,000	0,000	2,107	25,169	0	0	0
170	-4,846	6,944	0,000	2,093	24,792	1	0	0
180	2,077	0,000	0,000	2,068	25,159	0	0	0
190	-4,881	6,942	0,000	2,055	24,782	1	0	0
200	2,040	0,000	0,000	2,031	25,150	0	0	0
210	-4,915	6,940	0,000	2,020	24,775	1	0	0
220	2,006	0,000	0,000	1,997	25,142	0	0	0
230	-4,947	6,939	0,000	1,987	24,768	1	0	0
240	1,974	0,000	0,000	1,965	25,136	0	0	0
250	-4,977	6,938	0,000	1,956	24,763	1	0	0
260	1,943	0,000	0,000	1,935	25,130	0	0	0
270	-5,046	6,936	0,000	1,925	24,758	1	0	0
280	1,914	0,000	0,000	1,906	25,125	0	0	0

EXPERIMENTO 10



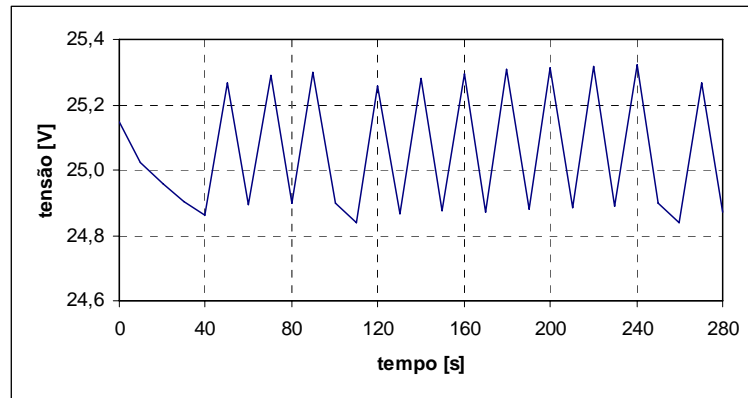
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,318	0	0	0
0	-9,316	10,666	0,000	1,684	24,992	0	0	0
10	-8,589	10,278	0,000	1,690	24,754	1	0	0
20	1,692	0,000	0,000	1,687	25,199	0	0	0
30	-8,563	10,262	0,000	1,698	24,683	1	0	1
40	1,701	0,000	0,000	1,696	25,141	0	0	0
50	-8,538	10,246	0,000	1,708	24,632	1	0	1
60	1,712	0,000	0,000	1,706	25,100	0	0	0
70	-8,517	10,236	0,000	1,719	24,598	1	0	1
80	1,723	0,000	0,000	1,717	25,074	0	0	0
90	-8,499	10,229	0,000	1,730	24,579	1	0	0
100	1,734	0,000	0,000	1,729	25,059	0	0	0
110	-8,483	10,224	0,000	1,741	24,568	1	0	0
120	1,746	0,000	0,000	1,741	25,051	0	0	0
130	-8,468	10,222	0,000	1,754	24,563	1	0	0
140	1,759	0,000	0,000	1,753	25,048	0	0	0
150	-8,453	10,220	0,000	1,766	24,562	1	0	0
160	1,771	0,000	0,000	1,766	25,047	0	0	0
170	-8,439	10,219	0,000	1,779	24,560	1	0	0
180	1,784	0,000	0,000	1,779	25,047	0	0	0
190	-8,425	10,217	0,000	1,792	24,558	1	0	0
200	1,797	0,000	0,000	1,791	25,048	0	0	0
210	-8,412	10,217	0,000	1,804	24,557	1	0	0
220	1,809	0,000	0,000	1,804	25,050	0	0	0
230	-8,400	10,217	0,000	1,817	24,560	1	0	0
240	1,822	0,000	0,000	1,816	25,051	0	0	0
250	-8,387	10,217	0,000	1,829	24,561	1	0	0
260	1,834	0,000	0,000	1,828	25,053	0	0	0
270	-8,375	10,216	0,000	1,840	24,562	1	0	0
280	1,845	0,000	0,000	1,839	25,054	0	0	0

EXPERIMENTO 11



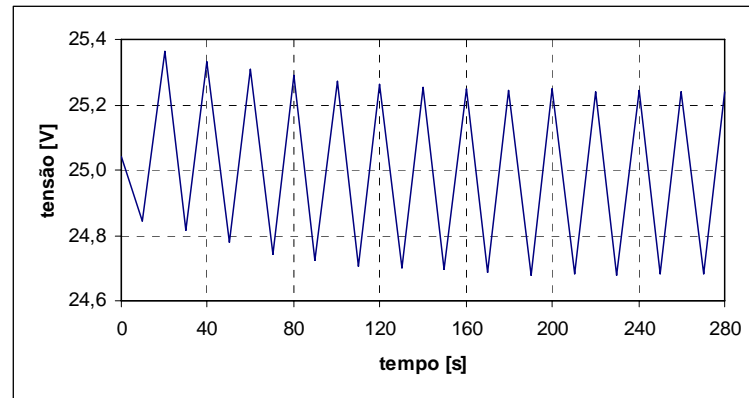
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,320	0	0	0
0	-1,425	3,679	0,000	2,299	25,261	0	0	0
10	-1,243	3,560	0,000	2,311	25,218	0	0	0
20	-1,209	3,537	0,000	2,322	25,196	0	0	0
30	-1,189	3,528	0,000	2,332	25,177	0	0	0
40	-1,174	3,524	0,000	2,343	25,161	0	0	0
50	-1,160	3,521	0,000	2,354	25,147	0	0	0
60	-1,147	3,518	0,000	2,365	25,135	0	0	0
70	-1,135	3,517	0,000	2,375	25,124	0	0	0
80	-1,122	3,515	0,000	2,386	25,113	0	0	0
90	-1,109	3,514	0,000	2,397	25,104	0	0	0
100	-1,097	3,512	0,000	2,409	25,096	0	0	0
110	-1,084	3,511	0,000	2,420	25,088	0	0	0
120	-1,071	3,510	0,000	2,432	25,081	0	0	0
130	-1,058	3,509	0,000	2,444	25,075	0	0	0
140	-1,046	3,509	0,000	2,456	25,069	0	0	0
150	-1,032	3,508	0,000	2,468	25,064	0	0	0
160	-1,019	3,507	0,000	2,481	25,059	0	0	0
170	-1,005	3,506	0,000	2,494	25,055	0	0	0
180	-0,992	3,506	0,000	2,507	25,051	0	0	0
190	-0,978	3,506	0,000	2,520	25,048	0	0	0
200	-0,965	3,505	0,000	2,533	25,045	0	0	0
210	-0,951	3,505	0,000	2,546	25,042	0	0	0
220	-0,937	3,505	0,000	2,560	25,040	0	0	0
230	-0,923	3,504	0,000	2,574	25,038	0	0	0
240	-0,909	3,504	0,000	2,588	25,036	0	0	0
250	-0,894	3,504	0,000	2,602	25,035	0	0	0
260	-0,879	3,504	0,000	2,617	25,034	0	0	0
270	-0,865	3,504	0,000	2,631	25,033	0	0	0
280	-0,851	3,504	0,000	2,645	25,032	0	0	0

EXPERIMENTO 12



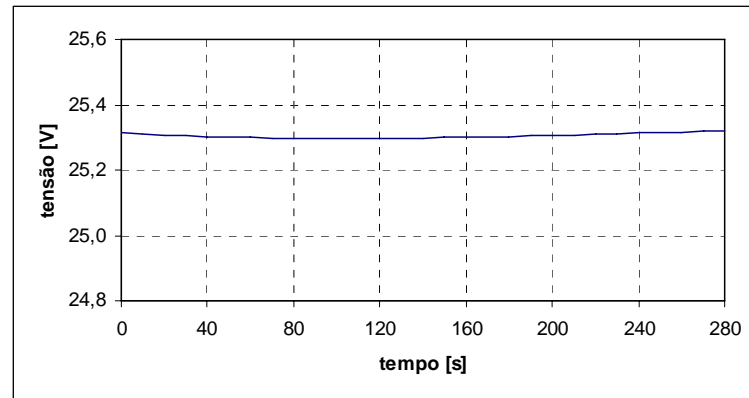
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,320	0	0	0
0	-4,483	7,244	0,000	2,934	25,149	0	0	0
10	-4,044	6,996	0,000	2,947	25,024	0	0	0
20	-3,980	6,945	0,000	2,958	24,957	0	0	0
30	-3,947	6,923	0,000	2,968	24,904	0	0	0
40	-3,923	6,910	0,000	2,979	24,862	1	0	0
50	2,991	0,000	0,000	2,982	25,267	0	0	0
60	-3,960	6,964	0,000	2,998	24,892	1	0	0
70	3,011	0,000	0,000	3,002	25,291	0	0	0
80	-3,946	6,969	0,000	3,018	24,899	1	0	0
90	3,030	0,000	0,000	3,020	25,301	0	0	0
100	-3,927	6,969	0,000	3,036	24,900	0	0	0
110	-3,864	6,917	0,000	3,046	24,840	1	0	0
120	3,059	0,000	0,000	3,050	25,258	0	0	0
130	-3,887	6,959	0,000	3,065	24,867	1	0	0
140	3,079	0,000	0,000	3,070	25,282	0	0	0
150	-3,872	6,963	0,000	3,085	24,876	1	0	0
160	3,100	0,000	0,000	3,090	25,294	0	0	0
170	-3,851	6,963	0,000	3,106	24,872	1	0	0
180	3,121	0,000	0,000	3,111	25,310	0	0	0
190	-3,830	6,964	0,000	3,128	24,880	1	0	0
200	3,143	0,000	0,000	3,133	25,313	0	0	0
210	-3,810	6,965	0,000	3,149	24,885	1	0	0
220	3,164	0,000	0,000	3,155	25,317	0	0	0
230	-3,788	6,966	0,000	3,172	24,889	1	0	0
240	3,188	0,000	0,000	3,178	25,321	0	0	0
250	-3,766	6,968	0,000	3,195	24,901	0	0	0
260	-3,701	6,916	0,000	3,207	24,839	1	0	0
270	3,223	0,000	0,000	3,213	25,266	0	0	0
280	-3,721	6,958	0,000	3,230	24,871	1	0	0

EXPERIMENTO 13



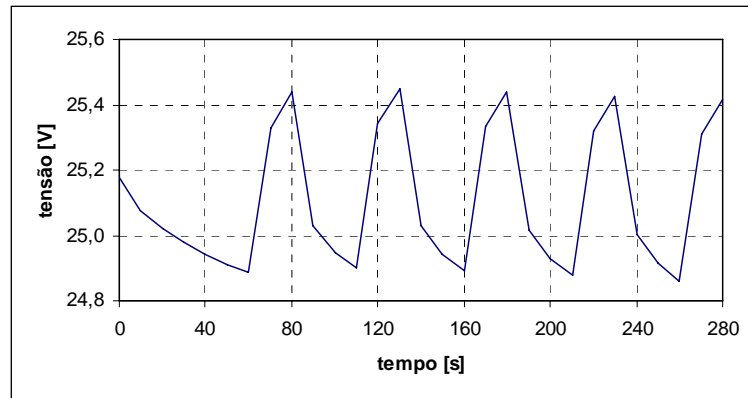
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,326	0	0	0
0	-12,702	10,765	0,000	3,465	25,041	0	0	0
10	-6,828	10,313	0,000	3,479	24,843	1	0	0
20	3,492	0,000	0,000	3,481	25,364	0	0	0
30	-6,801	10,307	0,000	3,500	24,815	1	0	1
40	3,513	0,000	0,000	3,502	25,331	0	0	0
50	-6,769	10,296	0,000	3,521	24,778	1	0	1
60	3,534	0,000	0,000	3,522	25,307	0	0	0
70	-6,739	10,286	0,000	3,540	24,742	1	0	1
80	3,553	0,000	0,000	3,542	25,291	0	0	0
90	-6,715	10,280	0,000	3,559	24,725	1	0	1
100	3,571	0,000	0,000	3,559	25,273	0	0	0
110	-6,692	10,274	0,000	3,576	24,708	1	0	1
120	3,588	0,000	0,000	3,576	25,263	0	0	0
130	-6,673	10,272	0,000	3,592	24,701	1	0	1
140	3,603	0,000	0,000	3,591	25,254	0	0	0
150	-6,657	10,270	0,000	3,606	24,697	1	0	1
160	3,616	0,000	0,000	3,605	25,247	0	0	0
170	-6,641	10,267	0,000	3,619	24,688	1	0	1
180	3,629	0,000	0,000	3,617	25,245	0	0	0
190	-6,627	10,264	0,000	3,631	24,680	1	0	1
200	3,639	0,000	0,000	3,627	25,246	0	0	0
210	-6,617	10,264	0,000	3,641	24,683	1	0	1
220	3,649	0,000	0,000	3,637	25,241	0	0	0
230	-6,606	10,263	0,000	3,650	24,679	1	0	1
240	3,658	0,000	0,000	3,645	25,242	0	0	0
250	-6,598	10,263	0,000	3,658	24,683	1	0	1
260	3,665	0,000	0,000	3,653	25,239	0	0	0
270	-6,590	10,262	0,000	3,665	24,681	1	0	1
280	3,673	0,000	0,000	3,660	25,240	0	0	0

EXPERIMENTO 14



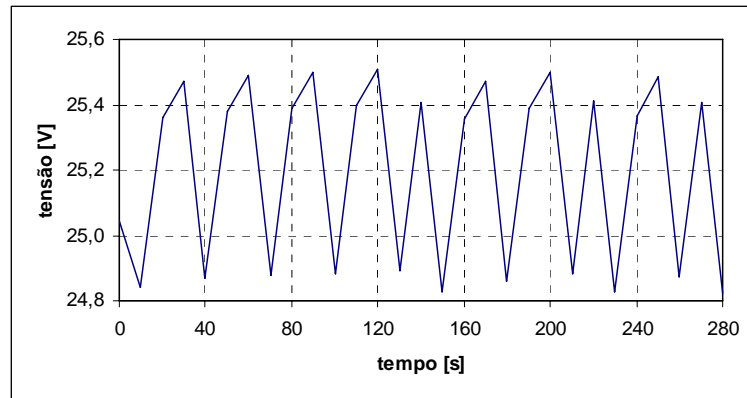
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,318	0	0	0
0	-0,020	3,684	0,000	3,696	25,315	0	0	0
10	0,143	3,569	0,000	3,700	25,312	0	0	0
20	0,168	3,547	0,000	3,704	25,308	0	0	0
30	0,180	3,540	0,000	3,708	25,305	0	0	0
40	0,188	3,537	0,000	3,712	25,303	0	0	0
50	0,194	3,535	0,000	3,717	25,300	0	0	0
60	0,200	3,534	0,000	3,721	25,299	0	0	0
70	0,206	3,533	0,000	3,726	25,298	0	0	0
80	0,211	3,532	0,000	3,731	25,297	0	0	0
90	0,217	3,531	0,000	3,736	25,297	0	0	0
100	0,222	3,531	0,000	3,741	25,297	0	0	0
110	0,227	3,530	0,000	3,745	25,297	0	0	0
120	0,232	3,530	0,000	3,749	25,297	0	0	0
130	0,237	3,529	0,000	3,754	25,298	0	0	0
140	0,241	3,529	0,000	3,758	25,298	0	0	0
150	0,247	3,529	0,000	3,764	25,300	0	0	0
160	0,252	3,529	0,000	3,769	25,301	0	0	0
170	0,257	3,529	0,000	3,774	25,302	0	0	0
180	0,263	3,529	0,000	3,779	25,303	0	0	0
190	0,268	3,528	0,000	3,785	25,305	0	0	0
200	0,273	3,528	0,000	3,790	25,306	0	0	0
210	0,279	3,528	0,000	3,795	25,308	0	0	0
220	0,284	3,528	0,000	3,801	25,309	0	0	0
230	0,290	3,528	0,000	3,807	25,311	0	0	0
240	0,297	3,528	0,000	3,813	25,313	0	0	0
250	0,303	3,528	0,000	3,819	25,315	0	0	0
260	0,308	3,528	0,000	3,824	25,317	0	0	0
270	0,312	3,529	0,000	3,828	25,319	0	0	0
280	0,316	3,529	0,000	3,832	25,321	0	0	0

EXPERIMENTO 15



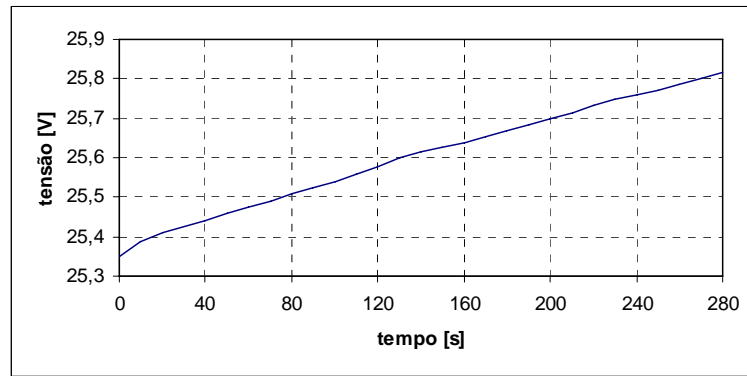
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,320	0	0	0
0	-3,588	7,250	0,000	3,855	25,177	0	0	0
10	-3,142	7,006	0,000	3,854	25,077	0	0	0
20	-3,094	6,956	0,000	3,850	25,022	0	0	0
30	-3,079	6,936	0,000	3,844	24,979	0	0	0
40	-3,074	6,924	0,000	3,837	24,942	0	0	0
50	-3,074	6,916	0,000	3,829	24,912	0	0	0
60	-3,076	6,910	0,000	3,821	24,886	1	0	0
70	3,818	0,000	0,000	3,804	25,328	1	0	0
80	3,807	0,000	0,000	3,793	25,438	0	0	0
90	-3,206	7,005	0,000	3,789	25,029	0	0	0
100	-3,150	6,939	0,000	3,777	24,948	0	0	0
110	-3,138	6,916	0,000	3,765	24,899	1	0	0
120	3,757	0,000	0,000	3,743	25,341	1	0	0
130	3,743	0,000	0,000	3,729	25,447	0	0	0
140	-3,269	7,003	0,000	3,725	25,028	0	0	0
150	-3,212	6,936	0,000	3,713	24,942	0	0	0
160	-3,200	6,913	0,000	3,700	24,890	1	0	0
170	3,692	0,000	0,000	3,678	25,334	1	0	0
180	3,679	0,000	0,000	3,665	25,440	0	0	0
190	-3,329	7,001	0,000	3,663	25,017	0	0	0
200	-3,269	6,933	0,000	3,653	24,929	0	0	0
210	-3,258	6,910	0,000	3,640	24,877	1	0	0
220	3,633	0,000	0,000	3,620	25,321	1	0	0
230	3,620	0,000	0,000	3,606	25,427	0	0	0
240	-3,385	6,997	0,000	3,603	25,001	0	0	0
250	-3,326	6,929	0,000	3,592	24,913	0	0	0
260	-3,313	6,907	0,000	3,582	24,862	1	0	0
270	3,578	0,000	0,000	3,565	25,309	1	0	0
280	3,568	0,000	0,000	3,555	25,414	0	0	0

EXPERIMENTO 16



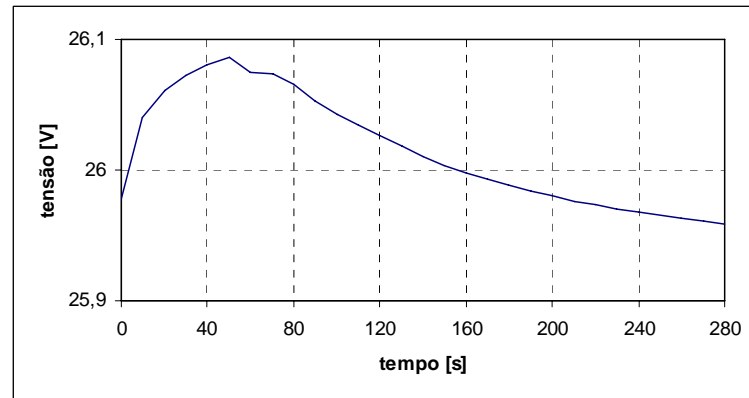
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,319	0	0	0
0	-7,549	10,692	0,000	3,507	25,044	0	0	0
10	-6,795	10,313	0,000	3,512	24,842	1	0	0
20	3,519	0,000	0,000	3,507	25,360	1	0	0
30	3,522	0,000	0,000	3,510	25,472	0	0	0
40	-6,812	10,345	0,000	3,528	24,870	1	0	1
50	3,536	0,000	0,000	3,524	25,381	1	0	0
60	3,542	0,000	0,000	3,530	25,489	0	0	0
70	-6,789	10,344	0,000	3,550	24,878	1	0	1
80	3,561	0,000	0,000	3,550	25,389	1	0	0
90	3,572	0,000	0,000	3,561	25,498	0	0	0
100	-6,754	10,344	0,000	3,585	24,884	1	0	1
110	3,601	0,000	0,000	3,590	25,398	1	0	0
120	3,615	0,000	0,000	3,604	25,507	0	0	0
130	-6,708	10,344	0,000	3,632	24,891	1	0	1
140	3,650	0,000	0,000	3,639	25,407	0	0	0
150	-6,631	10,305	0,000	3,668	24,829	1	0	1
160	3,688	0,000	0,000	3,677	25,356	1	0	0
170	3,707	0,000	0,000	3,696	25,471	0	0	0
180	-6,602	10,335	0,000	3,729	24,860	1	0	1
190	3,752	0,000	0,000	3,741	25,388	1	0	0
200	3,775	0,000	0,000	3,763	25,501	0	0	0
210	-6,538	10,341	0,000	3,800	24,883	1	0	1
220	3,825	0,000	0,000	3,814	25,411	0	0	0
230	-6,447	10,303	0,000	3,851	24,827	1	0	1
240	3,880	0,000	0,000	3,869	25,367	1	0	0
250	3,906	0,000	0,000	3,895	25,487	0	0	0
260	-6,397	10,337	0,000	3,936	24,872	1	0	1
270	3,968	0,000	0,000	3,957	25,409	0	0	0
280	-6,298	10,303	0,000	3,999	24,824	1	0	1

EXPERIMENTO 17



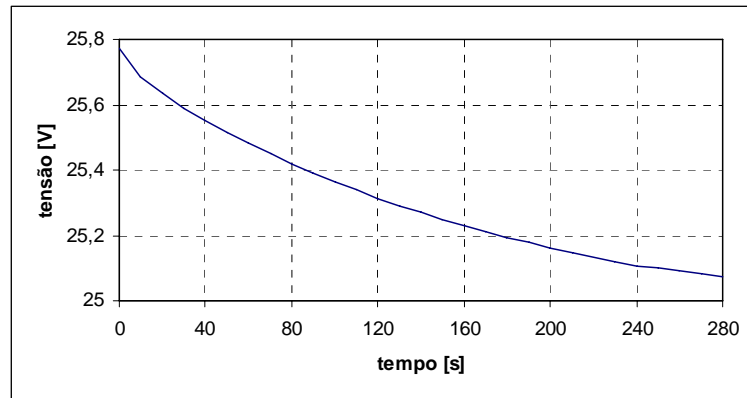
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,319	0	0	0
0	0,771	3,691	0,000	4,504	25,351	0	0	0
10	0,992	3,578	0,000	4,559	25,389	0	0	0
20	1,044	3,559	0,000	4,591	25,409	0	0	0
30	1,089	3,553	0,000	4,630	25,425	0	0	0
40	1,134	3,551	0,000	4,674	25,442	0	0	0
50	1,181	3,551	0,000	4,720	25,458	0	0	0
60	1,232	3,551	0,000	4,771	25,474	0	0	0
70	1,284	3,551	0,000	4,823	25,491	0	0	0
80	1,352	3,552	0,000	4,894	25,509	0	0	0
90	1,377	3,553	0,000	4,915	25,525	0	0	0
100	1,403	3,553	0,000	4,943	25,541	0	0	0
110	1,468	3,554	0,000	5,016	25,559	0	0	0
120	1,540	3,555	0,000	5,084	25,577	0	0	0
130	1,675	3,557	0,000	5,226	25,601	0	0	0
140	1,601	3,557	0,000	5,128	25,614	0	0	0
150	1,551	3,558	0,000	5,092	25,625	0	0	0
160	1,563	3,558	0,000	5,106	25,638	0	0	0
170	1,596	3,559	0,000	5,141	25,652	0	0	0
180	1,637	3,560	0,000	5,182	25,667	0	0	0
190	1,697	3,562	0,000	5,243	25,684	0	0	0
200	1,690	3,562	0,000	5,239	25,698	0	0	0
210	1,757	3,564	0,000	5,313	25,715	0	0	0
220	1,820	3,565	0,000	5,370	25,734	0	0	0
230	1,814	3,566	0,000	5,362	25,748	0	0	0
240	1,782	3,566	0,000	5,330	25,759	0	0	0
250	1,787	3,567	0,000	5,338	25,772	0	0	0
260	1,803	3,568	0,000	5,356	25,785	0	0	0
270	1,845	3,569	0,000	5,400	25,800	0	0	0
280	1,911	3,571	0,000	5,472	25,817	0	0	0

EXPERIMENTO 18



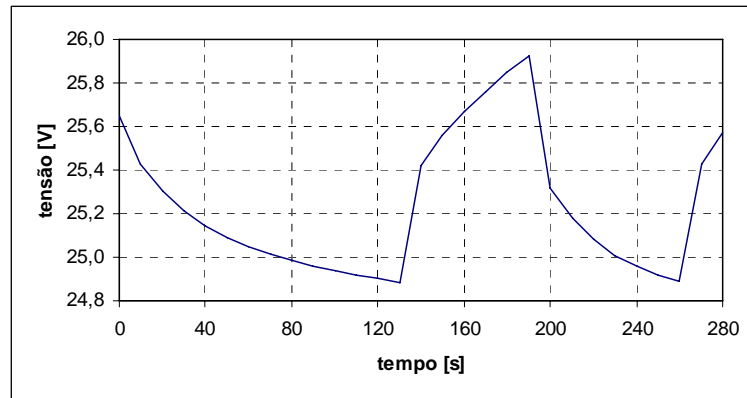
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,892	0	0	0
0	2,060	3,742	0,000	5,863	25,978	0	0	0
10	2,269	3,629	0,000	5,886	26,040	0	0	0
20	2,298	3,610	0,000	5,900	26,061	0	0	0
30	2,292	3,603	0,000	5,871	26,072	0	0	0
40	2,282	3,600	0,000	5,868	26,080	0	0	0
50	2,274	3,599	0,000	5,828	26,086	0	0	0
60	2,048	3,596	0,000	5,622	26,075	0	0	0
70	2,018	3,595	0,000	5,586	26,074	0	0	0
80	1,891	3,593	0,000	5,456	26,065	0	0	0
90	1,734	3,591	0,000	5,295	26,053	0	0	0
100	1,631	3,589	0,000	5,198	26,042	0	0	0
110	1,580	3,588	0,000	5,147	26,034	0	0	0
120	1,528	3,587	0,000	5,094	26,027	0	0	0
130	1,456	3,586	0,000	5,020	26,018	0	0	0
140	1,393	3,585	0,000	4,957	26,010	0	0	0
150	1,355	3,583	0,000	4,920	26,004	0	0	0
160	1,331	3,583	0,000	4,895	25,998	0	0	0
170	1,305	3,582	0,000	4,869	25,993	0	0	0
180	1,275	3,582	0,000	4,839	25,988	0	0	0
190	1,251	3,581	0,000	4,814	25,984	0	0	0
200	1,232	3,580	0,000	4,795	25,980	0	0	0
210	1,217	3,580	0,000	4,780	25,976	0	0	0
220	1,200	3,580	0,000	4,762	25,973	0	0	0
230	1,184	3,579	0,000	4,746	25,970	0	0	0
240	1,173	3,579	0,000	4,735	25,968	0	0	0
250	1,162	3,579	0,000	4,725	25,966	0	0	0
260	1,150	3,578	0,000	4,712	25,963	0	0	0
270	1,137	3,578	0,000	4,697	25,961	0	0	0
280	1,118	3,577	0,000	4,679	25,959	0	0	0

EXPERIMENTO 19



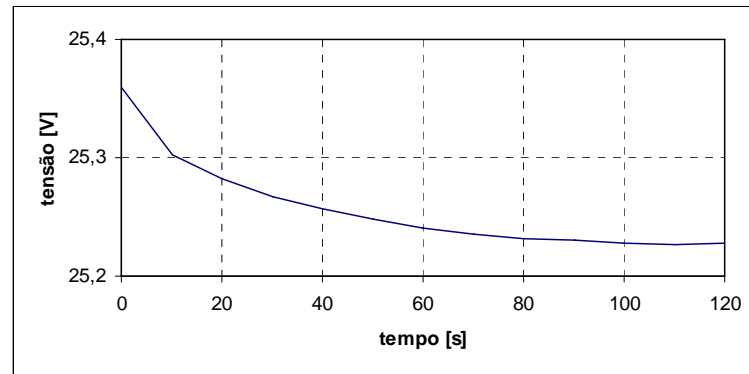
t	ibat	ic	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,898	0	0	0
0	-2,964	7,345	0,000	4,561	25,773	0	0	0
10	-2,551	7,101	0,000	4,535	25,683	0	0	0
20	-2,529	7,051	0,000	4,505	25,633	0	0	0
30	-2,548	7,030	0,000	4,463	25,590	0	0	0
40	-2,592	7,017	0,000	4,407	25,552	0	0	0
50	-2,642	7,008	0,000	4,345	25,516	0	0	0
60	-2,710	7,000	0,000	4,269	25,483	0	0	0
70	-2,783	6,992	0,000	4,189	25,451	0	0	0
80	-2,868	6,985	0,000	4,096	25,420	0	0	0
90	-2,946	6,979	0,000	4,014	25,391	0	0	0
100	-3,005	6,973	0,000	3,951	25,363	0	0	0
110	-3,056	6,968	0,000	3,894	25,338	0	0	0
120	-3,107	6,963	0,000	3,839	25,313	0	0	0
130	-3,140	6,958	0,000	3,804	25,291	0	0	0
140	-3,155	6,954	0,000	3,785	25,270	0	0	0
150	-3,168	6,950	0,000	3,768	25,250	0	0	0
160	-3,194	6,946	0,000	3,738	25,231	0	0	0
170	-3,212	6,943	0,000	3,717	25,213	0	0	0
180	-3,228	6,940	0,000	3,698	25,195	0	0	0
190	-3,250	6,936	0,000	3,672	25,178	0	0	0
200	-3,262	6,933	0,000	3,658	25,162	0	0	0
210	-3,270	6,930	0,000	3,648	25,146	0	0	0
220	-3,267	6,928	0,000	3,651	25,132	0	0	0
230	-3,239	6,926	0,000	3,678	25,119	0	0	0
240	-3,191	6,924	0,000	3,726	25,108	0	0	0
250	-3,132	6,923	0,000	3,784	25,099	0	0	0
260	-3,077	6,922	0,000	3,837	25,090	0	0	0
270	-3,022	6,921	0,000	3,891	25,082	0	0	0
280	-2,961	6,920	0,000	3,952	25,074	0	0	0

EXPERIMENTO 20



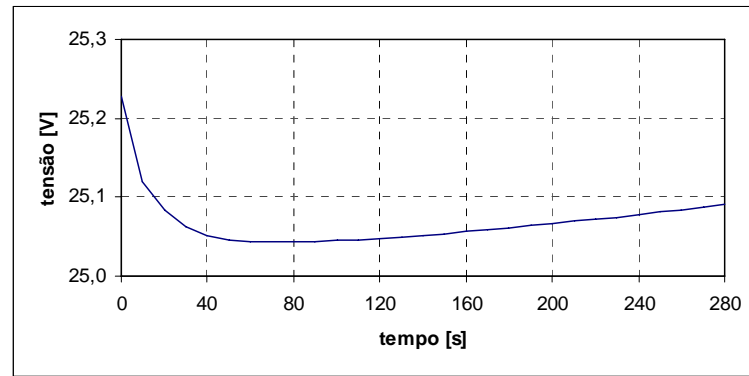
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,888	0	0	0
0	-6,723	10,839	0,000	4,451	25,647	0	0	0
10	-5,971	10,450	0,000	4,471	25,425	0	0	0
20	-5,859	10,361	0,000	4,492	25,305	0	0	0
30	-5,781	10,321	0,000	4,530	25,214	0	0	0
40	-5,706	10,297	0,000	4,581	25,144	0	0	0
50	-5,632	10,280	0,000	4,640	25,089	0	0	0
60	-5,551	10,268	0,000	4,709	25,046	0	0	0
70	-5,467	10,259	0,000	4,783	25,012	0	0	0
80	-5,382	10,251	0,000	4,861	24,984	0	0	0
90	-5,314	10,245	0,000	4,919	24,961	0	0	0
100	-5,276	10,239	0,000	4,949	24,940	0	0	0
110	-5,271	10,233	0,000	4,946	24,920	0	0	0
120	-5,285	10,227	0,000	4,925	24,901	0	0	0
130	-5,297	10,222	0,000	4,909	24,884	1	0	0
140	4,911	0,000	0,000	4,895	25,420	1	0	0
150	4,919	0,000	0,000	4,903	25,559	1	0	0
160	4,927	0,000	0,000	4,911	25,667	1	0	0
170	4,945	0,000	0,000	4,931	25,760	1	0	0
180	4,992	0,000	0,000	4,979	25,847	1	0	0
190	5,034	0,000	0,000	5,021	25,927	0	0	0
200	-5,378	10,464	0,000	5,079	25,318	0	0	1
210	-5,223	10,341	0,000	5,106	25,179	0	0	1
220	-5,151	10,292	0,000	5,127	25,082	0	0	1
230	-5,108	10,265	0,000	5,143	25,010	0	0	1
240	-5,094	10,249	0,000	5,137	24,956	0	0	1
250	-5,105	10,237	0,000	5,113	24,916	0	0	1
260	-5,132	10,228	0,000	5,077	24,887	1	0	1
270	5,051	0,000	0,000	5,029	25,430	1	0	0
280	4,965	0,000	0,000	4,941	25,569	1	0	0

EXPERIMENTO 21



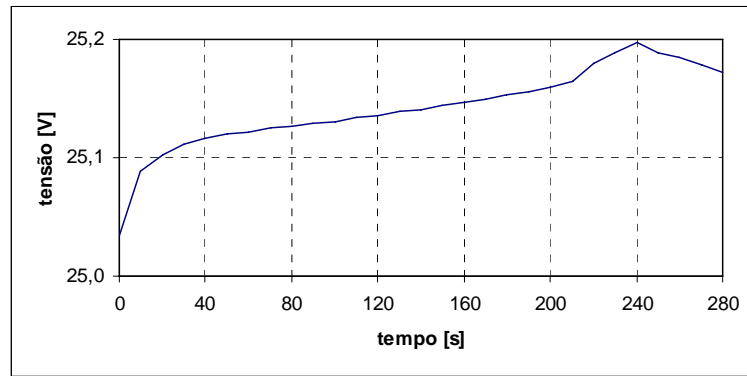
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,424	0	0	0
0	-1,545	3,680	0,000	2,176	25,359	0	0	0
10	-1,406	3,540	0,000	2,125	25,302	0	0	0
20	-1,439	3,528	0,000	2,080	25,282	0	0	0
30	-1,477	3,524	0,000	2,038	25,267	0	0	0
40	-1,512	3,521	0,000	2,001	25,257	0	0	0
50	-1,543	3,519	0,000	1,967	25,248	0	0	0
60	-1,570	3,517	0,000	1,939	25,241	0	0	0
70	-1,592	3,516	0,000	1,916	25,236	0	0	0
80	-1,606	3,514	0,000	1,902	25,232	0	0	0
90	-1,613	3,514	0,000	1,895	25,230	0	0	0
100	-1,611	3,513	0,000	1,897	25,228	0	0	0
110	-1,601	3,513	0,000	1,906	25,227	0	0	0
120	-1,583	3,513	0,000	1,925	25,228	0	0	0

EXPERIMENTO 22



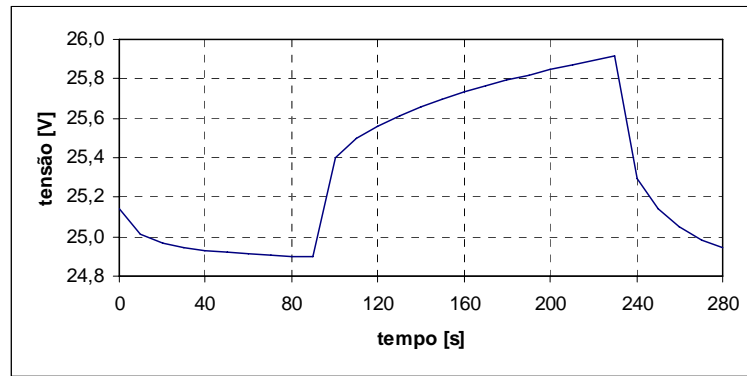
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,422	0	0	0
0	-5,096	7,243	0,000	2,343	25,227	0	0	0
10	-4,622	6,999	0,000	2,375	25,120	0	0	0
20	-4,546	6,953	0,000	2,403	25,084	0	0	0
30	-4,500	6,935	0,000	2,431	25,063	0	0	0
40	-4,464	6,928	0,000	2,459	25,052	0	0	0
50	-4,432	6,924	0,000	2,486	25,046	0	0	0
60	-4,402	6,921	0,000	2,514	25,044	0	0	0
70	-4,371	6,919	0,000	2,543	25,043	0	0	0
80	-4,340	6,918	0,000	2,573	25,043	0	0	0
90	-4,307	6,917	0,000	2,604	25,043	0	0	0
100	-4,274	6,916	0,000	2,636	25,045	0	0	0
110	-4,241	6,915	0,000	2,669	25,046	0	0	0
120	-4,206	6,915	0,000	2,703	25,048	0	0	0
130	-4,169	6,914	0,000	2,740	25,050	0	0	0
140	-4,131	6,914	0,000	2,778	25,052	0	0	0
150	-4,089	6,914	0,000	2,820	25,054	0	0	0
160	-4,046	6,914	0,000	2,863	25,057	0	0	0
170	-4,003	6,914	0,000	2,905	25,059	0	0	0
180	-3,960	6,914	0,000	2,949	25,061	0	0	0
190	-3,915	6,914	0,000	2,994	25,064	0	0	0
200	-3,867	6,914	0,000	3,042	25,067	0	0	0
210	-3,818	6,915	0,000	3,091	25,070	0	0	0
220	-3,767	6,915	0,000	3,143	25,072	0	0	0
230	-3,716	6,916	0,000	3,195	25,075	0	0	0
240	-3,663	6,916	0,000	3,247	25,078	0	0	0
250	-3,610	6,917	0,000	3,301	25,081	0	0	0
260	-3,556	6,917	0,000	3,356	25,084	0	0	0
270	-3,501	6,918	0,000	3,411	25,088	0	0	0
280	-3,446	6,918	0,000	3,466	25,091	0	0	0

EXPERIMENTO 23



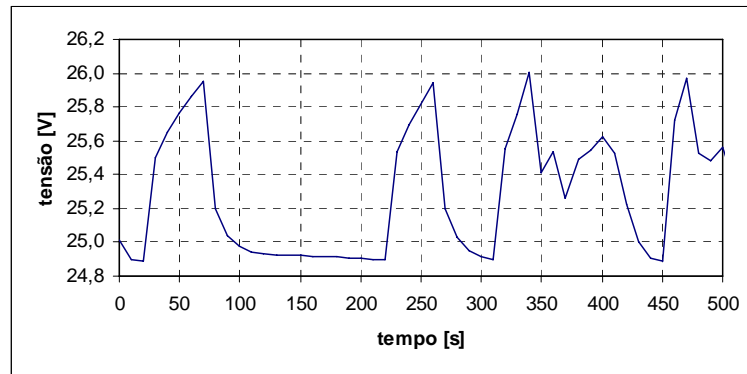
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	-6,865	6,864	0,000	0,000	24,913	0	0	0
0	-3,071	6,912	0,000	3,832	25,034	0	0	0
10	-3,037	6,921	0,000	3,874	25,089	0	0	0
20	-3,002	6,923	0,000	3,911	25,103	0	0	0
30	-2,966	6,924	0,000	3,948	25,111	0	0	0
40	-2,932	6,925	0,000	3,983	25,116	0	0	0
50	-2,899	6,925	0,000	4,016	25,120	0	0	0
60	-2,868	6,926	0,000	4,048	25,122	0	0	0
70	-2,836	6,926	0,000	4,080	25,125	0	0	0
80	-2,803	6,927	0,000	4,113	25,127	0	0	0
90	-2,771	6,927	0,000	4,147	25,129	0	0	0
100	-2,734	6,928	0,000	4,184	25,131	0	0	0
110	-2,694	6,928	0,000	4,224	25,134	0	0	0
120	-2,651	6,929	0,000	4,269	25,136	0	0	0
130	-2,606	6,930	0,000	4,314	25,139	0	0	0
140	-2,559	6,930	0,000	4,362	25,141	0	0	0
150	-2,510	6,931	0,000	4,411	25,144	0	0	0
160	-2,460	6,932	0,000	4,462	25,147	0	0	0
170	-2,410	6,933	0,000	4,512	25,150	0	0	0
180	-2,359	6,934	0,000	4,564	25,153	0	0	0
190	-2,307	6,934	0,000	4,616	25,156	0	0	0
200	-2,246	6,935	0,000	4,681	25,160	0	0	0
210	-2,163	6,937	0,000	4,767	25,165	0	0	0
220	-1,836	6,941	0,000	5,063	25,180	0	0	0
230	-1,793	6,943	0,000	5,202	25,189	0	0	0
240	-1,601	6,946	0,000	5,231	25,198	0	0	0
250	-1,909	6,942	0,000	5,009	25,188	0	0	0
260	-1,956	6,941	0,000	4,975	25,185	0	0	0
270	-2,066	6,939	0,000	4,851	25,178	0	0	0
280	-2,153	6,937	0,000	4,763	25,172	0	0	0

EXPERIMENTO 24



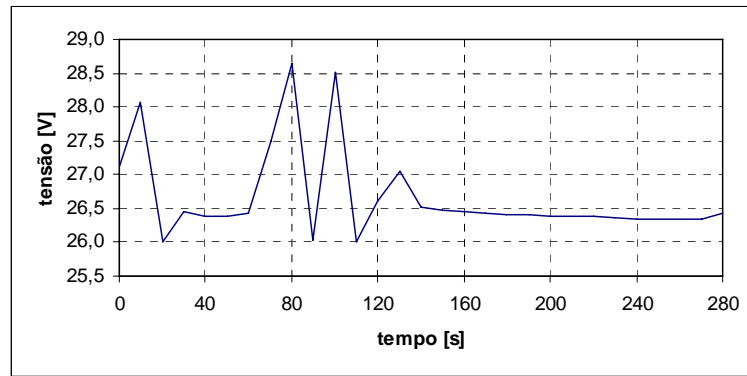
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,386	0	0	0
0	-6,821	10,711	0,000	4,171	25,145	0	0	0
10	-6,211	10,350	0,000	4,121	25,012	0	0	0
20	-6,197	10,278	0,000	4,068	24,967	0	0	0
30	-6,286	10,250	0,000	3,946	24,941	0	0	0
40	-6,336	10,236	0,000	3,884	24,927	0	0	0
50	-6,378	10,229	0,000	3,836	24,918	0	0	0
60	-6,429	10,224	0,000	3,776	24,912	0	0	0
70	-6,500	10,219	0,000	3,702	24,906	0	0	0
80	-6,561	10,215	0,000	3,639	24,902	0	0	0
90	-6,613	10,212	0,000	3,584	24,898	1	0	0
100	3,533	0,000	0,000	3,517	25,400	1	0	0
110	3,475	0,000	0,000	3,458	25,497	1	0	0
120	3,420	0,000	0,000	3,403	25,562	1	0	0
130	3,366	0,000	0,000	3,350	25,614	1	0	0
140	3,317	0,000	0,000	3,302	25,658	1	0	0
150	3,269	0,000	0,000	3,253	25,697	1	0	0
160	3,226	0,000	0,000	3,212	25,731	1	0	0
170	3,190	0,000	0,000	3,176	25,763	1	0	0
180	3,160	0,000	0,000	3,146	25,792	1	0	0
190	3,135	0,000	0,000	3,122	25,819	1	0	0
200	3,115	0,000	0,000	3,103	25,845	1	0	0
210	3,099	0,000	0,000	3,087	25,869	1	0	0
220	3,086	0,000	0,000	3,074	25,892	1	0	0
230	3,077	0,000	0,000	3,066	25,913	0	0	0
240	-7,356	10,445	0,000	3,086	25,291	0	0	1
250	-7,224	10,318	0,000	3,087	25,145	0	0	1
260	-7,168	10,268	0,000	3,092	25,050	0	0	1
270	-7,135	10,242	0,000	3,098	24,986	0	0	1
280	-7,110	10,227	0,000	3,108	24,943	0	0	1

EXPERIMENTO 25



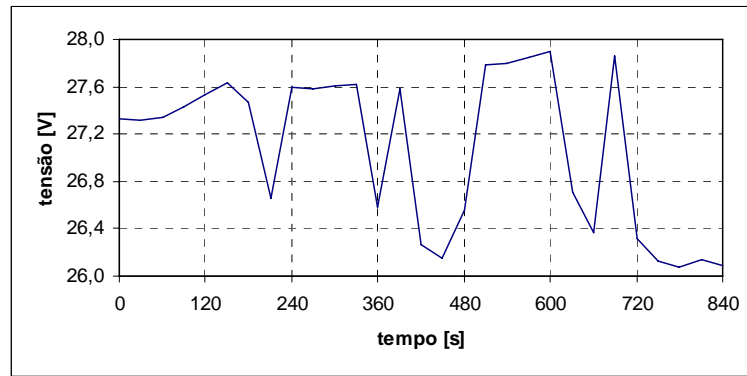
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,245	0	0	0
0	-7,440	10,609	0,000	3,519	25,009	0	0	0
10	-6,621	10,248	0,000	3,619	24,901	0	0	0
20	-6,532	10,222	0,000	3,682	24,892	1	0	0
30	3,759	0,000	0,000	3,750	25,504	1	0	0
40	3,845	0,000	0,000	3,836	25,647	1	0	0
50	3,933	0,000	0,000	3,924	25,762	1	0	0
60	4,030	0,000	0,000	4,020	25,863	1	0	0
70	4,132	0,000	0,000	4,122	25,955	0	0	0
80	-6,080	10,342	0,000	4,256	25,195	0	0	1
90	-5,874	10,270	0,000	4,389	25,043	0	0	1
100	-5,716	10,247	0,000	4,520	24,974	0	0	1
110	-5,670	10,235	0,000	4,553	24,944	0	0	1
120	-5,645	10,229	0,000	4,571	24,931	0	0	1
130	-5,609	10,226	0,000	4,604	24,926	0	0	1
140	-5,578	10,223	0,000	4,632	24,923	0	0	1
150	-5,563	10,221	0,000	4,644	24,921	0	0	1
160	-5,564	10,218	0,000	4,640	24,919	0	0	1
170	-5,580	10,216	0,000	4,620	24,915	0	0	1
180	-5,607	10,214	0,000	4,592	24,911	0	0	1
190	-5,630	10,212	0,000	4,566	24,907	0	0	1
200	-5,646	10,210	0,000	4,550	24,903	0	0	1
210	-5,651	10,209	0,000	4,544	24,900	0	0	1
220	-5,644	10,207	0,000	4,549	24,898	1	0	1
230	4,551	0,000	0,000	4,536	25,535	1	0	0
240	4,574	0,000	0,000	4,561	25,692	1	0	0
250	4,657	0,000	0,000	4,644	25,820	1	0	0
260	4,906	0,000	0,000	4,898	25,942	0	0	0
270	-5,508	10,338	0,000	4,797	25,203	0	0	1
280	-5,672	10,259	0,000	4,571	25,031	0	0	1
290	-5,518	10,236	0,000	4,711	24,954	0	0	1
300	-5,561	10,224	0,000	4,640	24,919	0	0	1
310	-5,652	10,216	0,000	4,551	24,898	1	0	1
320	4,683	0,000	0,000	4,683	25,554	1	0	0
330	5,192	0,000	0,000	5,130	25,756	1	0	0
340	6,833	0,000	0,000	6,912	26,002	0	0	0
350	-1,075	10,433	0,000	9,153	25,412	0	0	1
360	1,423	10,449	0,000	11,710	25,538	0	0	0
370	-2,231	10,339	0,000	8,428	25,263	0	0	0
380	2,079	10,433	0,000	12,445	25,488	0	0	0
390	1,406	10,434	0,000	11,650	25,541	0	0	0
400	2,069	10,456	0,000	12,471	25,620	0	0	0
410	0,422	10,415	0,000	10,730	25,524	0	0	0
420	-5,873	10,278	0,000	4,364	25,227	0	0	0
430	-6,265	10,224	0,000	3,940	25,003	0	0	0
440	-6,319	10,203	0,000	3,875	24,910	0	0	0
450	-5,962	10,201	0,000	4,254	24,888	1	0	0
460	6,186	0,000	0,000	6,063	25,722	1	0	0
470	5,008	0,000	0,000	4,773	25,970	0	0	0
480	-0,882	10,449	0,000	9,714	25,527	0	0	0
490	-1,074	10,402	0,000	8,522	25,480	0	0	0
500	1,345	10,438	0,000	11,818	25,562	0	0	0

EXPERIMENTO 26



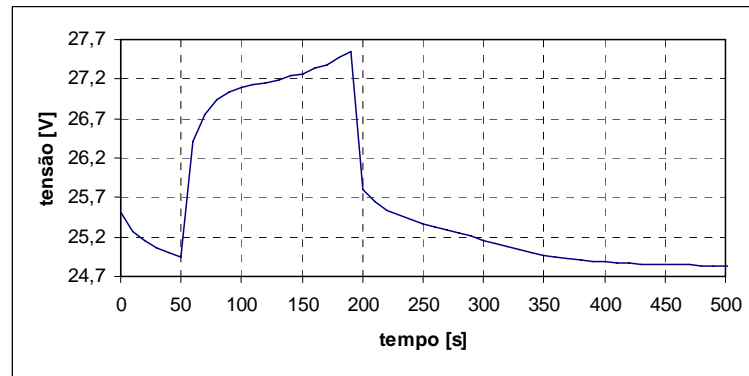
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	26,185	0	0	0
0	10,306	0,000	0,000	10,053	27,118	0	0	0
10	8,877	0,000	0,000	8,716	28,075	0	1	0
20	-3,619	3,617	0,000	0,000	26,018	0	0	1
30	3,625	0,000	0,000	3,078	26,442	0	0	0
40	2,213	0,000	0,000	2,198	26,389	0	0	0
50	2,256	0,000	0,000	2,258	26,387	0	0	0
60	2,747	0,000	0,000	2,889	26,435	0	0	0
70	7,289	0,000	0,000	9,665	27,500	0	0	0
80	9,717	0,000	0,000	9,660	28,643	0	1	0
90	-3,623	3,620	0,000	0,000	26,033	0	0	1
100	9,468	0,000	0,000	9,610	28,511	0	1	0
110	-3,608	3,606	0,000	0,000	26,019	0	0	1
120	3,825	0,000	0,000	4,735	26,610	0	0	0
130	6,903	0,000	0,000	6,765	27,060	0	0	0
140	2,666	0,000	0,000	2,634	26,526	0	0	1
150	2,525	0,000	0,000	2,497	26,475	0	0	1
160	2,454	0,000	0,000	2,421	26,452	0	0	1
170	2,312	0,000	0,000	2,294	26,428	0	0	1
180	2,226	0,000	0,000	2,213	26,411	0	0	1
190	2,173	0,000	0,000	2,162	26,399	0	0	1
200	2,140	0,000	0,000	2,132	26,390	0	0	1
210	2,154	0,000	0,000	2,151	26,387	0	0	1
220	2,135	0,000	0,000	2,117	26,383	0	0	1
230	1,998	0,000	0,000	1,980	26,368	0	0	1
240	1,883	0,000	0,000	1,869	26,352	0	0	1
250	1,825	0,000	0,000	1,816	26,342	0	0	1
260	1,809	0,000	0,000	1,803	26,335	0	0	1
270	1,843	0,000	0,000	1,846	26,335	0	0	0
280	2,064	0,000	0,000	3,039	26,438	0	0	0

EXPERIMENTO 27



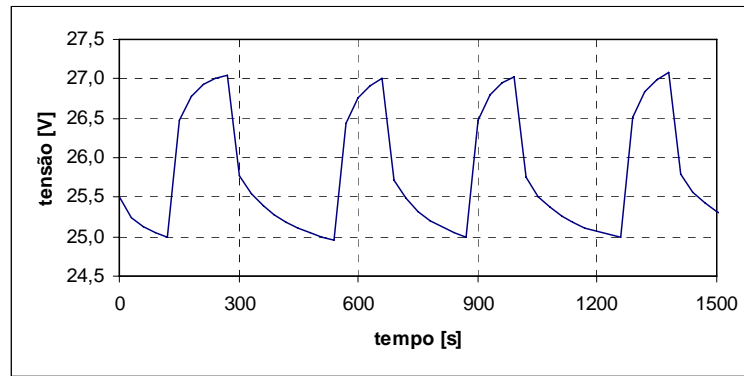
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	7,180	3,709	0,000	10,851	27,325	0	0	0
0	7,176	3,709	0,000	10,845	27,327	0	0	0
30	7,012	3,704	0,000	10,687	27,320	0	0	0
60	6,965	3,704	0,000	10,634	27,339	0	0	0
90	7,094	3,710	0,000	10,781	27,430	0	0	0
120	7,202	3,718	0,000	10,884	27,537	0	0	0
150	7,263	3,724	0,000	10,956	27,633	0	0	0
180	7,224	3,710	0,000	10,835	27,464	0	0	0
210	3,794	3,637	0,000	7,515	26,664	0	0	1
240	7,158	3,722	0,000	10,843	27,600	0	0	0
270	7,038	3,719	0,000	10,728	27,587	0	0	0
300	7,005	3,720	0,000	10,693	27,605	0	0	0
330	6,974	3,721	0,000	10,659	27,620	0	0	0
360	1,925	3,624	0,000	5,032	26,585	0	0	1
390	7,804	3,718	0,000	11,444	27,582	0	0	0
420	-0,600	3,589	0,000	2,966	26,267	0	0	1
450	-0,278	3,583	0,000	3,459	26,150	0	0	1
480	3,742	3,626	0,000	9,016	26,559	0	0	0
510	7,265	3,735	0,000	10,959	27,789	0	0	0
540	7,174	3,735	0,000	10,879	27,802	0	0	0
570	7,147	3,737	0,000	10,853	27,847	0	0	0
600	7,121	3,741	0,000	10,826	27,894	0	0	0
630	2,766	3,638	0,000	5,789	26,712	0	0	1
660	1,021	3,604	0,000	4,808	26,367	0	0	1
690	7,291	3,741	0,000	10,982	27,860	0	0	0
720	-0,403	3,594	0,000	3,164	26,312	0	0	1
750	-0,723	3,580	0,000	2,843	26,125	0	0	1
780	-0,522	3,577	0,000	3,097	26,071	0	0	1
810	-0,523	3,582	0,000	3,013	26,142	0	0	0
840	1,242	3,587	0,000	4,260	26,090	0	0	0

EXPERIMENTO 28



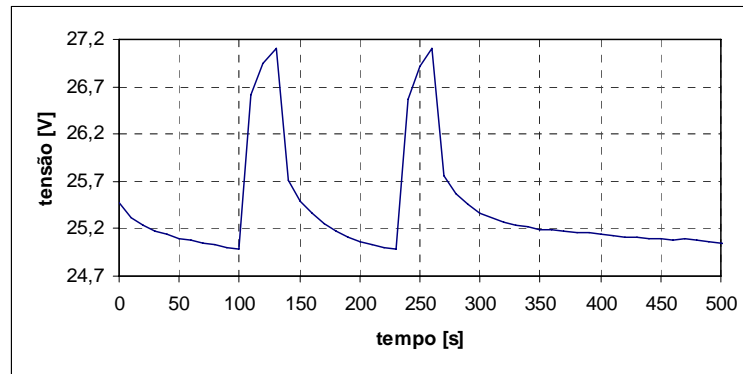
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,742	0	0	0
0	-6,425	7,827	0,000	1,572	25,510	0	0	1
10	-6,083	7,619	0,000	1,530	25,261	0	0	1
20	-6,087	7,587	0,000	1,494	25,151	0	0	1
30	-6,103	7,568	0,000	1,460	25,070	0	0	1
40	-6,120	7,553	0,000	1,428	25,006	0	0	1
50	-6,133	7,542	0,000	1,403	24,954	0	0	1
60	11,311	7,923	17,733	1,360	26,414	0	0	1
70	10,333	7,969	16,847	1,340	26,756	0	0	1
80	9,650	7,989	16,223	1,321	26,938	0	0	1
90	9,396	7,998	15,874	1,313	27,031	0	0	1
100	9,129	8,003	15,756	1,311	27,083	0	0	1
110	9,065	8,009	15,704	1,310	27,123	0	0	1
120	8,846	8,011	15,482	1,308	27,157	0	0	1
130	8,786	8,015	15,468	1,311	27,196	0	0	1
140	8,601	8,018	15,254	1,317	27,238	0	0	1
150	8,397	8,017	15,001	1,323	27,272	0	0	1
160	8,411	8,029	15,110	1,332	27,342	0	0	1
170	8,102	8,029	14,654	1,346	27,382	0	0	1
180	7,927	8,043	14,600	1,361	27,465	0	0	1
190	7,747	8,054	14,392	1,379	27,550	0	0	0
200	-6,224	7,659	0,000	1,432	25,809	0	0	1
210	-6,180	7,633	0,000	1,451	25,641	0	0	1
220	-6,142	7,618	0,000	1,473	25,541	0	0	1
230	-6,112	7,607	0,000	1,492	25,471	0	0	1
240	-6,085	7,599	0,000	1,510	25,415	0	0	1
250	-6,060	7,591	0,000	1,528	25,367	0	0	1
260	-6,033	7,585	0,000	1,549	25,325	0	0	1
270	-6,006	7,578	0,000	1,569	25,285	0	0	1
280	-5,983	7,573	0,000	1,586	25,245	0	0	1
290	-5,961	7,566	0,000	1,601	25,205	0	0	1
300	-5,941	7,559	0,000	1,614	25,163	0	0	1
310	-5,924	7,552	0,000	1,625	25,120	0	0	1
320	-5,910	7,546	0,000	1,631	25,079	0	0	1
330	-5,899	7,540	0,000	1,636	25,040	0	0	1
340	-5,897	7,533	0,000	1,631	25,005	0	0	1
350	-5,890	7,529	0,000	1,634	24,975	0	0	1
360	-5,888	7,524	0,000	1,631	24,949	0	0	1
370	-5,895	7,520	0,000	1,621	24,926	0	0	1
380	-5,903	7,518	0,000	1,610	24,908	0	0	1
390	-5,910	7,515	0,000	1,600	24,894	0	0	1
400	-5,914	7,513	0,000	1,594	24,882	0	0	1
410	-5,915	7,512	0,000	1,592	24,873	0	0	1
420	-5,923	7,511	0,000	1,583	24,866	0	0	1
430	-5,931	7,510	0,000	1,574	24,860	0	0	1
440	-5,934	7,509	0,000	1,570	24,856	0	0	1
450	-5,937	7,508	0,000	1,567	24,852	0	0	1
460	-5,944	7,507	0,000	1,559	24,848	0	0	1
470	-5,956	7,507	0,000	1,546	24,844	0	0	1
480	-5,974	7,506	0,000	1,526	24,841	0	0	1
490	-5,973	7,505	0,000	1,529	24,838	0	0	1
500	-5,951	7,505	0,000	1,551	24,837	0	0	1

EXPERIMENTO 29



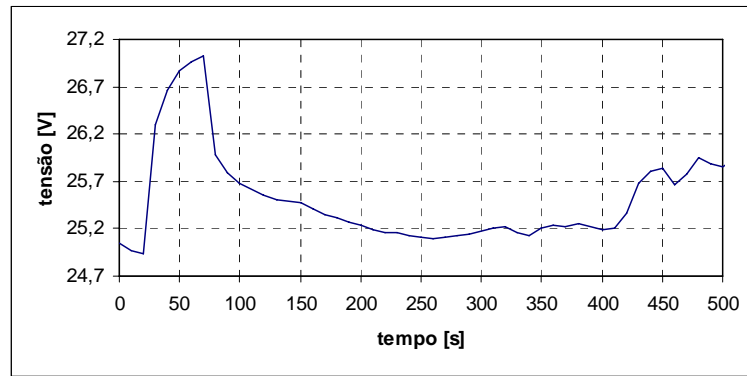
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,697	0	0	0
0	-5,674	7,821	0,000	2,311	25,497	0	0	1
30	-5,299	7,615	0,000	2,309	25,249	0	0	1
60	-5,270	7,582	0,000	2,304	25,132	0	0	1
90	-5,260	7,564	0,000	2,297	25,051	0	0	1
120	-5,256	7,551	0,000	2,287	24,989	0	0	1
150	11,801	7,927	17,293	2,265	26,479	0	0	1
180	10,913	7,963	16,618	2,265	26,779	0	0	1
210	10,580	7,992	15,919	2,268	26,925	0	0	1
240	10,469	7,999	15,766	2,272	26,998	0	0	1
270	10,243	8,005	15,686	2,270	27,041	0	0	0
300	-5,364	7,663	0,000	2,292	25,777	0	0	1
330	-5,325	7,625	0,000	2,292	25,537	0	0	1
360	-5,300	7,600	0,000	2,293	25,385	0	0	1
390	-5,279	7,582	0,000	2,296	25,272	0	0	1
420	-5,263	7,567	0,000	2,298	25,183	0	0	1
450	-5,244	7,556	0,000	2,305	25,110	0	0	1
480	-5,223	7,547	0,000	2,317	25,051	0	0	1
510	-5,199	7,539	0,000	2,333	25,002	0	0	1
540	-5,172	7,532	0,000	2,354	24,962	0	0	1
570	11,921	7,913	17,560	2,355	26,441	0	0	1
600	10,884	7,953	16,735	2,365	26,761	0	0	1
630	10,787	7,978	15,843	2,372	26,915	0	0	1
660	10,171	7,988	15,834	2,375	27,006	0	0	0
690	-5,249	7,650	0,000	2,394	25,724	0	0	1
720	-5,220	7,612	0,000	2,385	25,480	0	0	1
750	-5,204	7,587	0,000	2,376	25,322	0	0	1
780	-5,193	7,569	0,000	2,369	25,208	0	0	1
810	-5,181	7,556	0,000	2,367	25,120	0	0	1
840	-5,166	7,545	0,000	2,371	25,049	0	0	1
870	-5,147	7,536	0,000	2,382	24,995	0	0	1
900	11,748	7,927	17,114	2,379	26,480	0	0	1
930	10,929	7,962	16,378	2,403	26,790	0	0	1
960	10,180	7,985	15,779	2,438	26,944	0	0	1
990	10,498	7,995	15,536	2,479	27,033	0	0	0
1020	-5,091	7,654	0,000	2,558	25,745	0	0	1
1050	-4,988	7,618	0,000	2,625	25,513	0	0	1
1080	-4,891	7,596	0,000	2,700	25,366	0	0	1
1110	-4,797	7,580	0,000	2,778	25,261	0	0	1
1140	-4,708	7,568	0,000	2,854	25,180	0	0	1
1170	-4,629	7,559	0,000	2,923	25,117	0	0	1
1200	-4,560	7,551	0,000	2,984	25,066	0	0	1
1230	-4,504	7,545	0,000	3,034	25,025	0	0	1
1260	-4,462	7,540	0,000	3,070	24,993	0	0	1
1290	12,085	7,925	17,337	3,069	26,520	0	0	1
1320	11,166	7,971	15,937	3,089	26,835	0	0	1
1350	10,627	7,996	15,294	3,108	26,989	0	0	1
1380	10,737	7,999	15,591	3,130	27,087	0	0	0
1410	-4,485	7,666	0,000	3,172	25,792	0	0	1
1440	-4,425	7,631	0,000	3,197	25,568	0	0	1
1470	-4,375	7,609	0,000	3,225	25,424	0	0	1
1500	-4,329	7,593	0,000	3,255	25,318	0	0	1

EXPERIMENTO 30



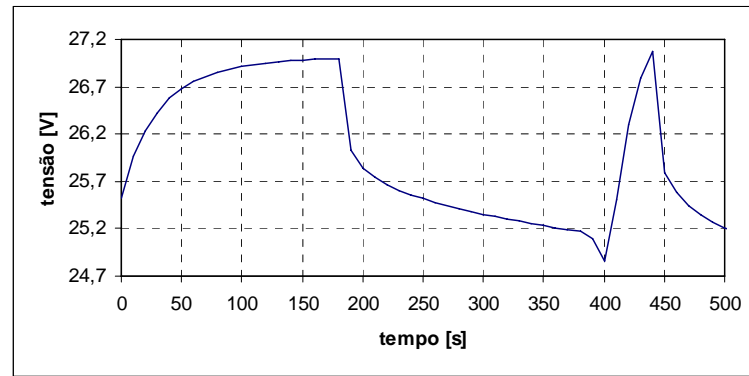
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10	0,000	0,000	0,000	0,000	25,589	0	0	0
0	-3,137	7,831	0,000	4,838	25,469	0	0	1
10	-2,852	7,640	0,000	4,770	25,319	0	0	1
20	-2,885	7,613	0,000	4,711	25,239	0	0	1
30	-2,926	7,598	0,000	4,654	25,180	0	0	1
40	-2,972	7,587	0,000	4,598	25,136	0	0	1
50	-3,026	7,579	0,000	4,535	25,101	0	0	1
60	-3,089	7,571	0,000	4,465	25,072	0	0	1
70	-3,159	7,565	0,000	4,388	25,047	0	0	1
80	-3,227	7,560	0,000	4,315	25,025	0	0	1
90	-3,294	7,555	0,000	4,245	25,007	0	0	1
100	-3,355	7,551	0,000	4,180	24,991	0	0	1
110	12,457	7,942	16,130	4,069	26,617	0	0	1
120	11,511	7,984	15,107	3,996	26,939	0	0	1
130	10,382	8,005	14,937	3,930	27,100	0	0	0
140	-3,714	7,660	0,000	3,931	25,707	0	0	1
150	-3,723	7,627	0,000	3,890	25,498	0	0	1
160	-3,731	7,604	0,000	3,860	25,357	0	0	1
170	-3,732	7,587	0,000	3,842	25,253	0	0	1
180	-3,725	7,574	0,000	3,837	25,173	0	0	1
190	-3,704	7,564	0,000	3,848	25,110	0	0	1
200	-3,669	7,556	0,000	3,876	25,061	0	0	1
210	-3,615	7,551	0,000	3,925	25,025	0	0	1
220	-3,550	7,547	0,000	3,986	25,000	0	0	1
230	-3,473	7,545	0,000	4,062	24,984	0	0	1
240	12,379	7,941	15,951	4,114	26,575	0	0	1
250	11,617	7,983	15,251	4,208	26,911	0	0	1
260	10,969	7,996	14,125	4,314	27,110	0	0	0
270	-3,168	7,671	0,000	4,494	25,758	0	0	1
280	-2,997	7,643	0,000	4,637	25,571	0	0	1
290	-2,826	7,625	0,000	4,790	25,452	0	0	1
300	-2,637	7,614	0,000	4,969	25,371	0	0	1
310	-2,420	7,607	0,000	5,177	25,315	0	0	1
320	-2,285	7,601	0,000	5,303	25,271	0	0	1
330	-2,130	7,597	0,000	5,456	25,238	0	0	1
340	-1,971	7,594	0,000	5,611	25,215	0	0	1
350	-1,834	7,593	0,000	5,745	25,197	0	0	1
360	-1,689	7,592	0,000	5,892	25,185	0	0	1
370	-1,625	7,591	0,000	5,945	25,174	0	0	1
380	-1,586	7,589	0,000	5,982	25,162	0	0	1
390	-1,568	7,588	0,000	5,996	25,152	0	0	1
400	-1,489	7,587	0,000	6,048	25,145	0	0	1
410	-1,644	7,583	0,000	5,918	25,127	0	0	1
420	-1,672	7,580	0,000	5,888	25,116	0	0	1
430	-1,699	7,579	0,000	5,859	25,106	0	0	1
440	-1,729	7,577	0,000	5,829	25,096	0	0	1
450	-1,735	7,576	0,000	5,821	25,090	0	0	1
460	-1,694	7,576	0,000	5,872	25,086	0	0	1
470	-1,600	7,577	0,000	5,944	25,089	0	0	1
480	-1,803	7,573	0,000	5,742	25,074	0	0	1
490	-1,935	7,569	0,000	5,613	25,059	0	0	1
500	-1,878	7,569	0,000	5,675	25,056	0	0	1

EXPERIMENTO 31



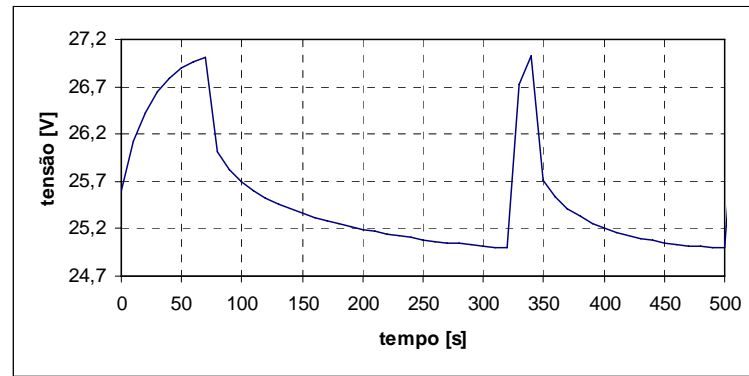
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0	-2,759	7,745	0,000	5,175	25,056	0	0	1
10	-2,625	7,572	0,000	4,925	24,962	0	0	1
20	-2,624	7,556	0,000	4,924	24,933	0	0	1
30	14,014	7,910	16,382	5,066	26,299	0	0	1
40	12,534	7,960	15,751	5,135	26,658	0	0	1
50	12,622	7,984	14,721	5,197	26,864	0	0	1
60	12,227	8,008	15,221	5,150	26,970	0	0	1
70	11,910	8,002	14,614	5,018	27,025	0	0	0
80	-2,532	7,713	0,000	5,171	25,984	0	0	1
90	-2,037	7,686	0,000	5,642	25,791	0	0	1
100	-1,921	7,669	0,000	5,721	25,679	0	0	1
110	-1,547	7,662	0,000	6,096	25,617	0	0	1
120	-1,599	7,652	0,000	6,040	25,553	0	0	1
130	-1,549	7,643	0,000	6,068	25,501	0	0	1
140	-1,049	7,645	0,000	6,620	25,487	0	0	1
150	-0,990	7,642	0,000	6,639	25,468	0	0	1
160	-1,536	7,627	0,000	5,996	25,405	0	0	1
170	-1,777	7,617	0,000	5,887	25,352	0	0	1
180	-1,794	7,611	0,000	5,795	25,317	0	0	1
190	-1,874	7,604	0,000	5,724	25,277	0	0	1
200	-2,144	7,595	0,000	5,409	25,235	0	0	1
210	-2,403	7,585	0,000	5,167	25,187	0	0	1
220	-2,257	7,582	0,000	5,322	25,163	0	0	1
230	-1,949	7,584	0,000	5,639	25,158	0	0	1
240	-2,020	7,579	0,000	5,524	25,133	0	0	1
250	-2,134	7,574	0,000	5,430	25,107	0	0	1
260	-1,900	7,575	0,000	5,657	25,100	0	0	1
270	-1,385	7,581	0,000	6,190	25,119	0	0	1
280	-1,225	7,583	0,000	6,321	25,125	0	0	1
290	-0,718	7,592	0,000	6,897	25,147	0	0	1
300	-0,606	7,595	0,000	6,972	25,171	0	0	1
310	-0,058	7,607	0,000	7,558	25,203	0	0	1
320	0,086	7,612	0,000	7,665	25,229	0	0	1
330	-1,426	7,585	0,000	6,002	25,157	0	0	1
340	-1,125	7,584	0,000	6,480	25,122	0	0	1
350	0,145	7,609	0,000	7,888	25,204	0	0	1
360	0,186	7,614	0,000	7,955	25,235	0	0	1
370	-0,474	7,606	0,000	7,034	25,222	0	0	1
380	0,218	7,617	0,000	7,855	25,253	0	0	1
390	-0,371	7,608	0,000	7,189	25,230	0	0	1
400	-0,716	7,599	0,000	6,836	25,189	0	0	1
410	-0,023	7,608	0,000	7,426	25,212	0	0	1
420	2,210	7,654	0,000	10,127	25,368	0	0	1
430	5,382	7,734	0,000	13,080	25,675	0	0	1
440	3,526	7,735	0,000	11,655	25,801	0	0	1
450	5,446	7,760	0,000	13,224	25,834	0	0	1
460	0,880	7,690	0,000	8,156	25,664	0	0	1
470	1,944	7,716	0,000	10,449	25,781	0	0	1
480	5,056	7,776	0,000	12,076	25,953	0	0	1
490	2,420	7,740	0,000	10,035	25,894	0	0	1
500	1,576	7,724	0,000	9,503	25,848	0	0	1

EXPERIMENTO 32



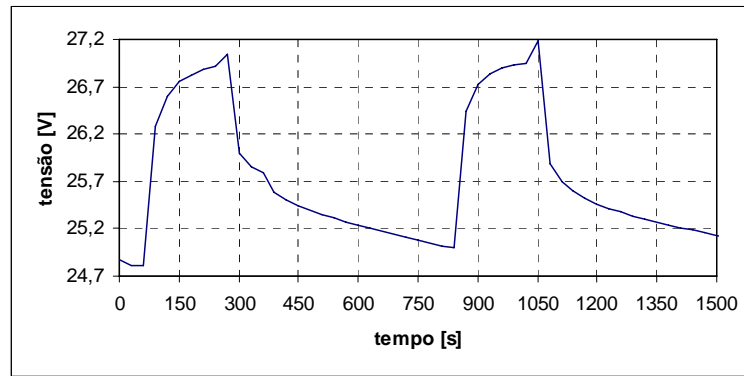
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0	7,322	0,000	0,000	7,294	25,528	0	0	0
10	7,313	0,000	0,000	7,288	25,969	0	0	0
20	7,318	0,000	0,000	7,294	26,235	0	0	0
30	7,329	0,000	0,000	7,306	26,432	0	0	0
40	7,338	0,000	0,000	7,315	26,576	0	0	0
50	7,334	0,000	0,000	7,314	26,678	0	0	0
60	7,337	0,000	0,000	7,313	26,750	0	0	0
70	7,345	0,000	0,000	7,322	26,805	0	0	0
80	7,365	0,001	0,000	7,340	26,848	0	0	0
90	7,370	0,000	0,000	7,347	26,882	0	0	0
100	7,382	0,000	0,000	7,362	26,909	0	0	0
110	7,396	0,000	0,000	7,373	26,930	0	0	0
120	7,422	0,000	0,000	7,400	26,947	0	0	0
130	7,451	0,000	0,000	7,427	26,962	0	0	0
140	7,464	0,000	0,000	7,439	26,973	0	0	0
150	7,477	0,000	0,000	7,457	26,981	0	0	0
160	7,491	0,000	0,000	7,472	26,988	0	0	0
170	7,512	0,000	0,000	7,490	26,994	0	0	0
180	7,554	0,000	0,000	7,529	27,002	0	0	0
190	-3,570	11,216	0,000	7,627	26,025	0	0	1
200	-3,474	11,144	0,000	7,649	25,847	0	0	1
210	-3,413	11,109	0,000	7,671	25,740	0	0	1
220	-3,357	11,086	0,000	7,708	25,666	0	0	1
230	-3,300	11,049	0,000	7,726	25,609	0	0	1
240	-3,276	11,036	0,000	7,738	25,561	0	0	1
250	-3,248	11,023	0,000	7,752	25,519	0	0	1
260	-3,226	11,014	0,000	7,765	25,481	0	0	1
270	-3,201	11,004	0,000	7,780	25,448	0	0	1
280	-3,173	10,999	0,000	7,800	25,416	0	0	1
290	-3,196	10,991	0,000	7,763	25,384	0	0	1
300	-3,172	10,985	0,000	7,789	25,355	0	0	1
310	-3,092	10,948	0,000	7,832	25,331	0	0	1
320	-3,069	10,944	0,000	7,852	25,306	0	0	1
330	-3,039	10,938	0,000	7,876	25,280	0	0	1
340	-3,006	10,933	0,000	7,902	25,256	0	0	1
350	-2,979	10,929	0,000	7,924	25,232	0	0	1
360	-2,950	10,923	0,000	7,946	25,208	0	0	1
370	-2,908	10,920	0,000	7,987	25,186	0	0	1
380	-2,812	10,917	0,000	8,088	25,168	0	0	1
390	-3,444	10,880	0,000	6,761	25,103	0	0	1
400	-8,414	10,759	0,000	2,800	24,852	0	0	1
410	7,917	11,195	17,504	1,383	25,503	0	0	1
420	10,610	11,412	17,133	5,727	26,297	0	0	1
430	10,821	11,526	15,430	6,776	26,783	0	0	1
440	11,550	11,591	14,393	7,884	27,074	0	0	0
450	-3,064	11,075	0,000	7,986	25,789	0	0	1
460	-3,011	11,032	0,000	7,998	25,580	0	0	1
470	-2,963	11,004	0,000	8,023	25,444	0	0	1
480	-2,902	10,985	0,000	8,055	25,346	0	0	1
490	-2,851	10,969	0,000	8,091	25,272	0	0	1
500	-2,799	10,955	0,000	8,134	25,214	0	0	1

EXPERIMENTO 33



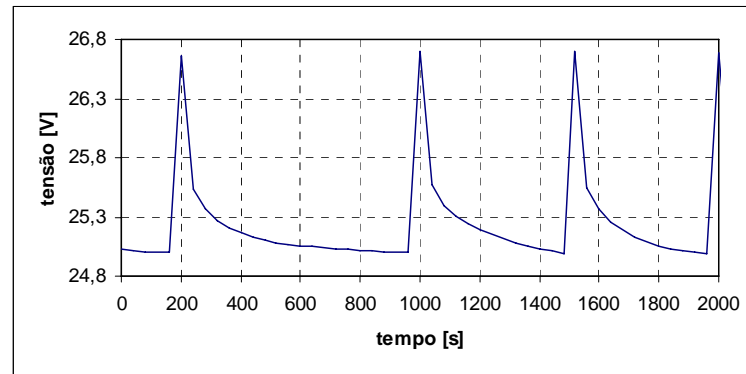
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10	8,299	0,000	0,000	8,269	26,127	0	0	0
20	8,306	0,000	0,000	8,277	26,424	0	0	0
30	8,319	0,000	0,000	8,294	26,639	0	0	0
40	8,311	0,000	0,000	8,285	26,789	0	0	0
50	8,341	0,000	0,000	8,316	26,893	0	0	0
60	8,338	0,000	0,000	8,309	26,961	0	0	0
70	8,349	0,000	0,000	8,324	27,014	0	0	0
80	-2,740	11,212	0,000	8,449	26,014	0	0	1
90	-2,639	11,137	0,000	8,471	25,817	0	0	1
100	-2,589	11,100	0,000	8,489	25,692	0	0	1
110	-2,581	11,073	0,000	8,467	25,598	0	0	1
120	-2,533	11,053	0,000	8,488	25,523	0	0	1
130	-2,504	11,036	0,000	8,512	25,462	0	0	1
140	-2,469	11,022	0,000	8,526	25,409	0	0	1
150	-2,450	11,010	0,000	8,528	25,362	0	0	1
160	-2,429	10,998	0,000	8,543	25,319	0	0	1
170	-2,393	10,989	0,000	8,564	25,284	0	0	1
180	-2,379	10,981	0,000	8,574	25,250	0	0	1
190	-2,343	10,973	0,000	8,599	25,220	0	0	1
200	-2,311	10,967	0,000	8,630	25,194	0	0	1
210	-2,277	10,962	0,000	8,658	25,170	0	0	1
220	-2,249	10,955	0,000	8,679	25,147	0	0	1
230	-2,228	10,951	0,000	8,695	25,126	0	0	1
240	-2,230	10,946	0,000	8,690	25,105	0	0	1
250	-2,223	10,942	0,000	8,693	25,086	0	0	1
260	-2,189	10,938	0,000	8,725	25,070	0	0	1
270	-2,169	10,936	0,000	8,734	25,056	0	0	1
280	-2,157	10,931	0,000	8,744	25,041	0	0	1
290	-2,134	10,929	0,000	8,759	25,029	0	0	1
300	-2,126	10,926	0,000	8,774	25,018	0	0	1
310	-2,113	10,923	0,000	8,783	25,008	0	0	1
320	-2,105	10,923	0,000	8,788	24,999	0	0	1
330	13,040	11,493	15,400	8,632	26,718	0	0	1
340	12,105	11,547	14,495	8,595	27,033	0	0	0
350	-2,221	11,085	0,000	8,837	25,715	0	0	1
360	-2,157	11,045	0,000	8,859	25,532	0	0	1
370	-2,107	11,016	0,000	8,878	25,412	0	0	1
380	-2,058	10,998	0,000	8,909	25,326	0	0	1
390	-2,017	10,982	0,000	8,928	25,259	0	0	1
400	-1,979	10,970	0,000	8,960	25,206	0	0	1
410	-1,957	10,960	0,000	8,975	25,163	0	0	1
420	-1,918	10,953	0,000	9,010	25,128	0	0	1
430	-1,885	10,946	0,000	9,034	25,099	0	0	1
440	-1,845	10,942	0,000	9,073	25,076	0	0	1
450	-1,863	10,936	0,000	9,041	25,053	0	0	1
460	-1,873	10,930	0,000	9,027	25,035	0	0	1
470	-1,857	10,929	0,000	9,043	25,021	0	0	1
480	-1,836	10,926	0,000	9,065	25,011	0	0	1
490	-1,821	10,924	0,000	9,081	25,002	0	0	1
500	-1,769	10,925	0,000	9,129	24,997	0	0	1

EXPERIMENTO 34



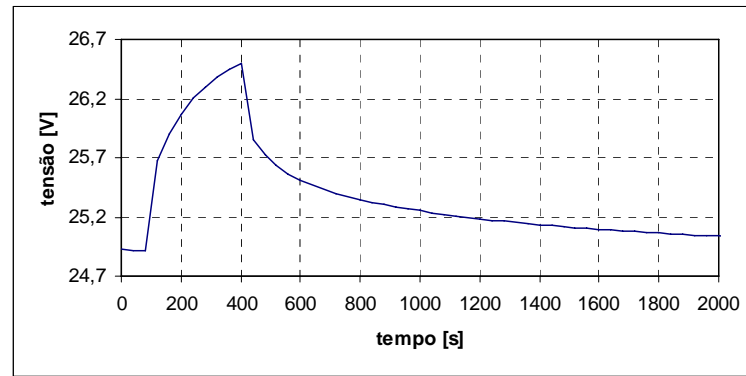
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	24,953	0	0	0
0	-2,603	4,135	0,000	1,594	24,872	0	0	1
30	-2,493	4,105	0,000	1,607	24,814	0	0	1
60	-2,481	4,103	0,000	1,618	24,809	0	0	1
90	14,600	4,313	16,772	1,593	26,281	0	0	1
120	12,960	4,336	16,279	1,593	26,601	0	0	1
150	13,127	4,344	15,659	1,597	26,753	0	0	1
180	12,663	4,351	15,612	1,597	26,827	0	0	1
210	12,613	4,358	15,554	1,598	26,881	0	0	1
240	12,717	4,358	15,030	1,596	26,918	0	0	1
270	13,890	2,204	14,913	1,583	27,045	0	0	0
300	-0,492	2,123	0,000	1,626	26,003	0	0	1
330	-0,490	2,117	0,000	1,621	25,862	0	0	1
360	-0,496	2,114	0,000	1,612	25,784	0	0	1
390	-2,566	4,175	0,000	1,603	25,590	0	0	1
420	-2,572	4,166	0,000	1,589	25,510	0	0	1
450	-2,585	4,160	0,000	1,570	25,449	0	0	1
480	-2,602	4,155	0,000	1,547	25,398	0	0	1
510	-2,623	4,151	0,000	1,522	25,353	0	0	1
540	-2,646	4,147	0,000	1,495	25,313	0	0	1
570	-2,672	4,143	0,000	1,467	25,275	0	0	1
600	-2,697	4,140	0,000	1,438	25,239	0	0	1
630	-2,723	4,137	0,000	1,408	25,205	0	0	1
660	-2,751	4,134	0,000	1,378	25,172	0	0	1
690	-2,779	4,131	0,000	1,347	25,140	0	0	1
720	-2,808	4,128	0,000	1,315	25,109	0	0	1
750	-2,837	4,125	0,000	1,283	25,079	0	0	1
780	-2,866	4,122	0,000	1,251	25,049	0	0	1
810	-2,895	4,120	0,000	1,221	25,021	0	0	1
840	-2,921	4,117	0,000	1,192	24,995	0	0	1
870	13,533	4,317	16,366	1,120	26,437	0	0	1
900	12,087	4,342	15,774	1,090	26,725	0	0	1
930	12,011	4,348	15,386	1,065	26,839	0	0	1
960	12,041	4,354	14,969	1,051	26,900	0	0	1
990	11,941	4,352	14,417	1,037	26,928	0	0	1
1020	11,800	4,353	14,494	1,029	26,940	0	0	1
1050	14,608	-0,001	13,427	1,005	27,177	0	0	0
1080	-3,117	4,194	0,000	1,074	25,880	0	0	1
1110	-3,097	4,177	0,000	1,078	25,696	0	0	1
1140	-3,084	4,169	0,000	1,082	25,596	0	0	1
1170	-3,072	4,162	0,000	1,088	25,524	0	0	1
1200	-3,059	4,157	0,000	1,095	25,467	0	0	1
1230	-3,045	4,154	0,000	1,105	25,419	0	0	1
1260	-3,030	4,150	0,000	1,117	25,377	0	0	1
1290	-3,012	4,146	0,000	1,131	25,339	0	0	1
1320	-2,993	4,144	0,000	1,148	25,304	0	0	1
1350	-2,971	4,141	0,000	1,166	25,272	0	0	1
1380	-2,948	4,138	0,000	1,188	25,241	0	0	1
1410	-2,921	4,136	0,000	1,212	25,212	0	0	1
1440	-2,891	4,134	0,000	1,239	25,185	0	0	1
1470	-2,859	4,132	0,000	1,269	25,159	0	0	1
1500	-2,826	4,130	0,000	1,301	25,134	0	0	1

EXPERIMENTO 35



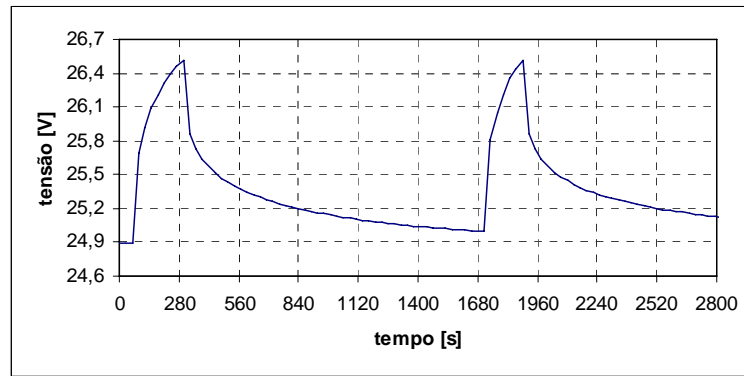
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
40	-1,783	4,128	0,000	2,340	25,024	0	0	1
0	-1,780	4,128	0,000	2,343	25,023	0	0	1
40	-1,690	4,127	0,000	2,430	25,010	0	0	1
80	-1,610	4,126	0,000	2,509	25,004	0	0	1
120	-1,538	4,125	0,000	2,580	25,001	0	0	1
160	-1,476	4,125	0,000	2,641	24,999	0	0	1
200	13,384	4,336	15,438	2,651	26,661	0	0	0
240	-1,423	4,172	0,000	2,741	25,536	0	0	1
280	-1,364	4,157	0,000	2,786	25,366	0	0	1
320	-1,313	4,149	0,000	2,828	25,271	0	0	1
360	-1,266	4,144	0,000	2,869	25,209	0	0	1
400	-1,224	4,140	0,000	2,908	25,165	0	0	1
440	-1,184	4,138	0,000	2,945	25,131	0	0	1
480	-1,147	4,136	0,000	2,980	25,105	0	0	1
520	-1,116	4,134	0,000	3,009	25,084	0	0	1
560	-1,089	4,133	0,000	3,034	25,069	0	0	1
600	-1,070	4,132	0,000	3,052	25,057	0	0	1
640	-1,058	4,131	0,000	3,063	25,048	0	0	1
680	-1,052	4,130	0,000	3,068	25,040	0	0	1
720	-1,053	4,129	0,000	3,066	25,033	0	0	1
760	-1,062	4,129	0,000	3,057	25,026	0	0	1
800	-1,076	4,128	0,000	3,042	25,020	0	0	1
840	-1,093	4,128	0,000	3,024	25,014	0	0	1
880	-1,109	4,127	0,000	3,008	25,008	0	0	1
920	-1,120	4,127	0,000	2,996	25,003	0	0	1
960	-1,124	4,126	0,000	2,992	24,999	0	0	1
1000	13,796	4,344	14,917	2,945	26,705	0	0	0
1040	-1,156	4,176	0,000	3,010	25,568	0	0	1
1080	-1,123	4,161	0,000	3,029	25,399	0	0	1
1120	-1,098	4,153	0,000	3,045	25,303	0	0	1
1160	-1,085	4,147	0,000	3,053	25,239	0	0	1
1200	-1,086	4,143	0,000	3,047	25,190	0	0	1
1240	-1,101	4,139	0,000	3,028	25,150	0	0	1
1280	-1,129	4,136	0,000	2,996	25,115	0	0	1
1320	-1,170	4,133	0,000	2,953	25,084	0	0	1
1360	-1,217	4,131	0,000	2,904	25,056	0	0	1
1400	-1,262	4,129	0,000	2,856	25,032	0	0	1
1440	-1,299	4,126	0,000	2,817	25,012	0	0	1
1480	-1,355	4,125	0,000	2,760	24,995	0	0	1
1520	13,185	4,343	15,186	2,672	26,703	0	0	0
1560	-1,458	4,172	0,000	2,705	25,548	0	0	1
1600	-1,452	4,157	0,000	2,696	25,366	0	0	1
1640	-1,442	4,148	0,000	2,696	25,261	0	0	1
1680	-1,437	4,141	0,000	2,695	25,189	0	0	1
1720	-1,423	4,137	0,000	2,705	25,135	0	0	1
1760	-1,402	4,133	0,000	2,722	25,093	0	0	1
1800	-1,379	4,130	0,000	2,743	25,059	0	0	1
1840	-1,355	4,128	0,000	2,765	25,034	0	0	1
1880	-1,331	4,127	0,000	2,787	25,016	0	0	1
1920	-1,310	4,126	0,000	2,807	25,002	0	0	1
1960	-1,291	4,125	0,000	2,825	24,993	0	0	1
2000	13,498	4,339	14,944	2,788	26,681	0	0	0

EXPERIMENTO 36



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
40	0,000	0,000	0,000	0,000	24,961	0	0	0
0	-1,210	4,145	0,000	2,961	24,924	0	0	1
40	-1,155	4,124	0,000	2,959	24,914	0	0	1
80	-1,153	4,120	0,000	2,958	24,913	0	0	1
120	15,423	4,288	17,172	2,920	25,675	0	0	1
160	15,314	4,302	16,391	2,912	25,897	0	0	1
200	14,918	4,322	15,903	2,908	26,069	0	0	1
240	14,526	4,330	15,800	2,903	26,202	0	0	1
280	13,695	4,336	15,780	2,898	26,295	0	0	1
320	13,411	4,340	15,363	2,898	26,385	0	0	1
360	13,985	4,337	14,562	2,896	26,452	0	0	1
400	13,742	4,342	14,807	2,892	26,502	0	0	0
440	-1,250	4,201	0,000	2,943	25,858	0	0	1
480	-1,235	4,189	0,000	2,945	25,722	0	0	1
520	-1,226	4,181	0,000	2,946	25,632	0	0	1
560	-1,219	4,175	0,000	2,947	25,565	0	0	1
600	-1,213	4,170	0,000	2,947	25,512	0	0	1
640	-1,209	4,166	0,000	2,948	25,469	0	0	1
680	-1,205	4,163	0,000	2,948	25,431	0	0	1
720	-1,202	4,161	0,000	2,949	25,399	0	0	1
760	-1,199	4,158	0,000	2,949	25,371	0	0	1
800	-1,197	4,156	0,000	2,949	25,346	0	0	1
840	-1,195	4,153	0,000	2,949	25,323	0	0	1
880	-1,193	4,151	0,000	2,949	25,303	0	0	1
920	-1,192	4,150	0,000	2,948	25,284	0	0	1
960	-1,191	4,149	0,000	2,948	25,266	0	0	1
1000	-1,190	4,147	0,000	2,947	25,251	0	0	1
1040	-1,190	4,146	0,000	2,946	25,235	0	0	1
1080	-1,189	4,144	0,000	2,946	25,221	0	0	1
1120	-1,188	4,143	0,000	2,945	25,208	0	0	1
1160	-1,189	4,142	0,000	2,944	25,196	0	0	1
1200	-1,189	4,141	0,000	2,943	25,185	0	0	1
1240	-1,189	4,140	0,000	2,942	25,174	0	0	1
1280	-1,189	4,139	0,000	2,940	25,163	0	0	1
1320	-1,190	4,139	0,000	2,939	25,153	0	0	1
1360	-1,191	4,138	0,000	2,937	25,144	0	0	1
1400	-1,192	4,137	0,000	2,935	25,135	0	0	1
1440	-1,193	4,136	0,000	2,933	25,127	0	0	1
1480	-1,194	4,135	0,000	2,931	25,119	0	0	1
1520	-1,196	4,134	0,000	2,928	25,110	0	0	1
1560	-1,198	4,134	0,000	2,926	25,103	0	0	1
1600	-1,201	4,133	0,000	2,923	25,096	0	0	1
1640	-1,202	4,132	0,000	2,920	25,089	0	0	1
1680	-1,205	4,132	0,000	2,918	25,082	0	0	1
1720	-1,207	4,131	0,000	2,915	25,076	0	0	1
1760	-1,209	4,131	0,000	2,912	25,070	0	0	1
1800	-1,210	4,130	0,000	2,910	25,064	0	0	1
1840	-1,213	4,130	0,000	2,907	25,058	0	0	1
1880	-1,214	4,129	0,000	2,905	25,052	0	0	1
1920	-1,216	4,128	0,000	2,903	25,047	0	0	1
1960	-1,217	4,128	0,000	2,901	25,042	0	0	1
2000	-1,219	4,128	0,000	2,899	25,037	0	0	1

EXPERIMENTO 37

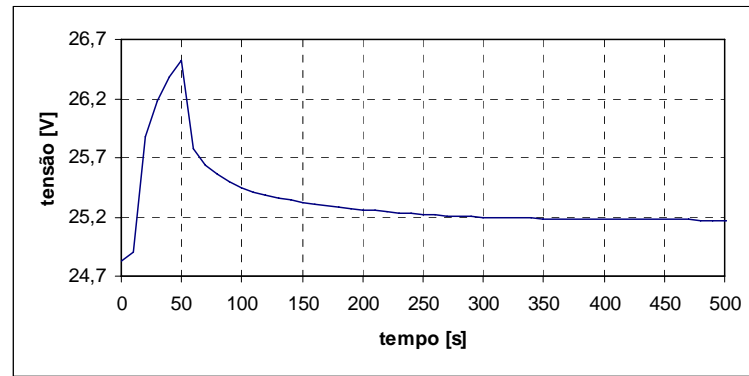


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	24,932	0	0	0
0	-1,308	4,139	0,000	2,856	24,894	0	0	1
30	-1,256	4,119	0,000	2,854	24,892	0	0	1
60	-1,255	4,117	0,000	2,853	24,893	0	0	1
90	15,580	4,286	17,430	2,815	25,694	0	0	1
120	15,239	4,295	16,324	2,805	25,912	0	0	1
150	14,810	4,315	15,673	2,802	26,085	0	0	1
180	14,464	4,318	15,690	2,794	26,207	0	0	1
210	13,618	4,331	15,671	2,791	26,319	0	0	1
240	13,892	4,331	14,850	2,785	26,397	0	0	1
270	13,582	4,336	14,842	2,780	26,461	0	0	1
300	13,087	4,342	15,019	2,777	26,516	0	0	0
330	-1,368	4,200	0,000	2,824	25,866	0	0	1
360	-1,355	4,187	0,000	2,824	25,727	0	0	1
390	-1,347	4,180	0,000	2,823	25,636	0	0	1
420	-1,342	4,174	0,000	2,822	25,568	0	0	1
450	-1,338	4,169	0,000	2,821	25,514	0	0	1
480	-1,336	4,165	0,000	2,820	25,469	0	0	1
510	-1,334	4,162	0,000	2,819	25,431	0	0	1
540	-1,332	4,159	0,000	2,817	25,398	0	0	1
570	-1,331	4,156	0,000	2,816	25,369	0	0	1
600	-1,330	4,154	0,000	2,815	25,343	0	0	1
630	-1,329	4,152	0,000	2,813	25,320	0	0	1
660	-1,329	4,150	0,000	2,812	25,298	0	0	1
690	-1,329	4,148	0,000	2,810	25,278	0	0	1
720	-1,328	4,146	0,000	2,809	25,260	0	0	1
750	-1,328	4,145	0,000	2,808	25,244	0	0	1
780	-1,328	4,144	0,000	2,806	25,228	0	0	1
810	-1,328	4,143	0,000	2,805	25,213	0	0	1
840	-1,327	4,141	0,000	2,805	25,200	0	0	1
870	-1,327	4,140	0,000	2,804	25,187	0	0	1
900	-1,327	4,139	0,000	2,803	25,175	0	0	1
930	-1,327	4,138	0,000	2,802	25,163	0	0	1
960	-1,326	4,137	0,000	2,802	25,152	0	0	1
990	-1,325	4,136	0,000	2,802	25,142	0	0	1
1020	-1,324	4,136	0,000	2,802	25,133	0	0	1
1050	-1,324	4,135	0,000	2,802	25,123	0	0	1
1080	-1,322	4,134	0,000	2,802	25,114	0	0	1
1110	-1,321	4,133	0,000	2,803	25,106	0	0	1
1140	-1,320	4,133	0,000	2,803	25,098	0	0	1
1170	-1,318	4,132	0,000	2,804	25,091	0	0	1
1200	-1,316	4,131	0,000	2,805	25,083	0	0	1
1230	-1,315	4,131	0,000	2,806	25,076	0	0	1
1260	-1,313	4,130	0,000	2,808	25,069	0	0	1
1290	-1,311	4,129	0,000	2,809	25,063	0	0	1
1320	-1,309	4,129	0,000	2,811	25,057	0	0	1
1350	-1,307	4,128	0,000	2,813	25,051	0	0	1
1380	-1,304	4,128	0,000	2,815	25,045	0	0	1
1410	-1,302	4,127	0,000	2,817	25,040	0	0	1
1440	-1,299	4,127	0,000	2,819	25,035	0	0	1
1470	-1,297	4,127	0,000	2,821	25,030	0	0	1
1500	-1,293	4,126	0,000	2,823	25,025	0	0	1

EXPERIMENTO 38

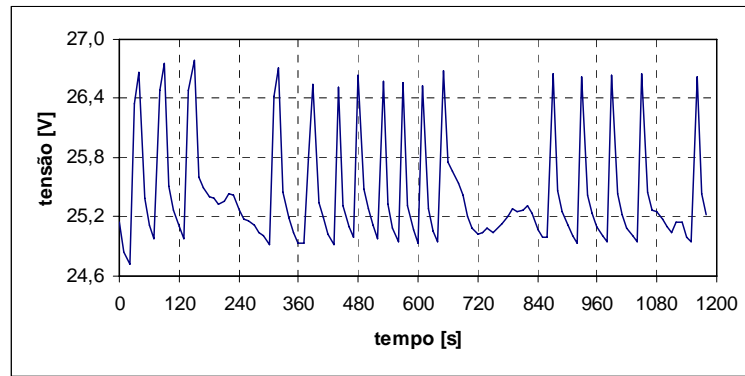
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	-1,291	4,126	0,000	2,826	25,021	0	0	1
1560	-1,288	4,126	0,000	2,828	25,017	0	0	1
1590	-1,285	4,125	0,000	2,831	25,012	0	0	1
1620	-1,283	4,125	0,000	2,834	25,009	0	0	1
1650	-1,279	4,124	0,000	2,836	25,005	0	0	1
1680	-1,276	4,124	0,000	2,839	25,001	0	0	1
1710	-1,272	4,124	0,000	2,843	24,998	0	0	1
1740	15,367	4,284	16,819	2,808	25,812	0	0	1
1770	14,956	4,301	15,811	2,803	26,047	0	0	1
1800	14,157	4,323	15,742	2,802	26,214	0	0	1
1830	14,036	4,331	15,409	2,801	26,349	0	0	1
1860	13,347	4,337	15,183	2,799	26,438	0	0	1
1890	13,085	4,339	14,656	2,797	26,508	0	0	0
1920	-1,337	4,199	0,000	2,855	25,861	0	0	1
1950	-1,318	4,187	0,000	2,860	25,727	0	0	1
1980	-1,306	4,179	0,000	2,865	25,639	0	0	1
2010	-1,296	4,174	0,000	2,870	25,574	0	0	1
2040	-1,287	4,170	0,000	2,874	25,523	0	0	1
2070	-1,279	4,166	0,000	2,878	25,481	0	0	1
2100	-1,271	4,163	0,000	2,883	25,445	0	0	1
2130	-1,264	4,160	0,000	2,887	25,414	0	0	1
2160	-1,257	4,158	0,000	2,892	25,387	0	0	1
2190	-1,250	4,156	0,000	2,897	25,363	0	0	1
2220	-1,244	4,154	0,000	2,901	25,341	0	0	1
2250	-1,237	4,152	0,000	2,906	25,322	0	0	1
2280	-1,231	4,151	0,000	2,911	25,304	0	0	1
2310	-1,224	4,150	0,000	2,916	25,287	0	0	1
2340	-1,218	4,148	0,000	2,921	25,272	0	0	1
2370	-1,211	4,147	0,000	2,927	25,258	0	0	1
2400	-1,205	4,146	0,000	2,932	25,245	0	0	1
2430	-1,198	4,145	0,000	2,937	25,233	0	0	1
2460	-1,192	4,144	0,000	2,943	25,221	0	0	1
2490	-1,186	4,143	0,000	2,948	25,210	0	0	1
2520	-1,180	4,142	0,000	2,954	25,201	0	0	1
2550	-1,174	4,141	0,000	2,959	25,191	0	0	1
2580	-1,167	4,140	0,000	2,965	25,182	0	0	1
2610	-1,160	4,140	0,000	2,970	25,173	0	0	1
2640	-1,154	4,139	0,000	2,976	25,165	0	0	1
2670	-1,147	4,139	0,000	2,982	25,157	0	0	1
2700	-1,141	4,138	0,000	2,988	25,150	0	0	1
2730	-1,134	4,137	0,000	2,994	25,143	0	0	1
2760	-1,127	4,137	0,000	3,000	25,136	0	0	1
2790	-1,120	4,136	0,000	3,007	25,130	0	0	1

EXPERIMENTO 38 (continuação)



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	-4,084	4,084	0,000	0,000	24,711	0	0	1
0	-0,548	4,112	0,000	3,552	24,827	0	0	1
10	-0,544	4,119	0,000	3,565	24,900	0	0	1
20	16,552	4,303	17,463	3,520	25,873	0	0	1
30	15,993	4,326	16,884	3,518	26,179	0	0	1
40	15,342	4,340	16,306	3,520	26,384	0	0	1
50	14,878	4,353	15,750	3,527	26,524	0	0	0
60	-0,576	4,196	0,000	3,624	25,779	0	0	1
70	-0,549	4,184	0,000	3,624	25,641	0	0	1
80	-0,530	4,176	0,000	3,636	25,556	0	0	1
90	-0,513	4,172	0,000	3,648	25,496	0	0	1
100	-0,497	4,168	0,000	3,659	25,451	0	0	1
110	-0,483	4,165	0,000	3,671	25,415	0	0	1
120	-0,469	4,162	0,000	3,682	25,385	0	0	1
130	-0,456	4,160	0,000	3,693	25,361	0	0	1
140	-0,443	4,158	0,000	3,704	25,340	0	0	1
150	-0,431	4,157	0,000	3,714	25,322	0	0	1
160	-0,419	4,155	0,000	3,725	25,306	0	0	1
170	-0,407	4,154	0,000	3,735	25,292	0	0	1
180	-0,396	4,153	0,000	3,746	25,280	0	0	1
190	-0,385	4,152	0,000	3,756	25,269	0	0	1
200	-0,374	4,151	0,000	3,766	25,259	0	0	1
210	-0,363	4,151	0,000	3,776	25,251	0	0	1
220	-0,352	4,150	0,000	3,786	25,242	0	0	1
230	-0,341	4,150	0,000	3,796	25,235	0	0	1
240	-0,331	4,149	0,000	3,806	25,229	0	0	1
250	-0,320	4,149	0,000	3,816	25,223	0	0	1
260	-0,310	4,148	0,000	3,826	25,217	0	0	1
270	-0,299	4,148	0,000	3,837	25,212	0	0	1
280	-0,288	4,148	0,000	3,847	25,208	0	0	1
290	-0,277	4,147	0,000	3,858	25,204	0	0	1
300	-0,266	4,147	0,000	3,869	25,200	0	0	1
310	-0,255	4,147	0,000	3,879	25,197	0	0	1
320	-0,244	4,146	0,000	3,890	25,194	0	0	1
330	-0,233	4,146	0,000	3,901	25,191	0	0	1
340	-0,222	4,146	0,000	3,912	25,189	0	0	1
350	-0,210	4,146	0,000	3,924	25,187	0	0	1
360	-0,199	4,146	0,000	3,935	25,185	0	0	1
370	-0,187	4,146	0,000	3,946	25,183	0	0	1
380	-0,177	4,146	0,000	3,957	25,181	0	0	1
390	-0,166	4,146	0,000	3,967	25,180	0	0	1
400	-0,156	4,146	0,000	3,977	25,179	0	0	1
410	-0,145	4,146	0,000	3,988	25,178	0	0	1
420	-0,134	4,146	0,000	3,999	25,177	0	0	1
430	-0,124	4,146	0,000	4,009	25,177	0	0	1
440	-0,115	4,145	0,000	4,018	25,176	0	0	1
450	-0,107	4,146	0,000	4,025	25,175	0	0	1
460	-0,100	4,146	0,000	4,033	25,175	0	0	1
470	-0,092	4,145	0,000	4,041	25,175	0	0	1
480	-0,084	4,146	0,000	4,048	25,174	0	0	1
490	-0,077	4,146	0,000	4,056	25,174	0	0	1
500	-0,070	4,146	0,000	4,063	25,174	0	0	1

EXPERIMENTO 39

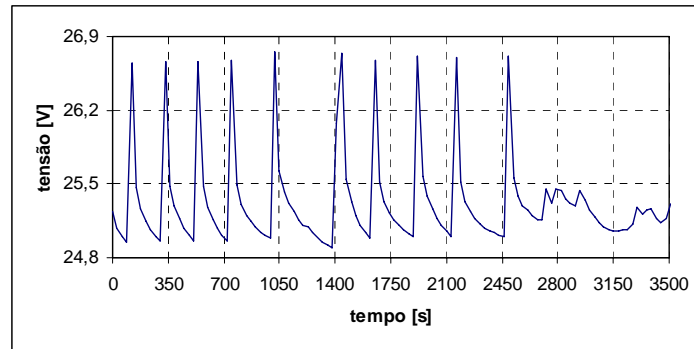


t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,205	0	0	0
0	-1,547	4,178	0,000	2,653	25,143	0	0	1
10	-4,840	7,562	0,000	2,717	24,842	0	0	1
20	-4,737	7,500	0,000	2,755	24,720	0	0	1
30	12,033	7,927	17,205	2,669	26,349	0	0	1
40	10,981	7,960	16,113	2,656	26,660	0	0	0
50	-4,791	7,591	0,000	2,796	25,384	0	0	1
60	-4,659	7,549	0,000	2,884	25,122	0	0	1
70	-4,397	7,526	0,000	3,100	24,973	0	0	1
80	11,779	7,932	16,624	3,144	26,482	0	0	1
90	11,305	7,968	15,961	3,212	26,761	0	0	0
100	-4,277	7,611	0,000	3,341	25,516	0	0	1
110	-4,417	7,568	0,000	3,131	25,262	0	0	1
120	-4,510	7,541	0,000	3,020	25,097	0	0	1
130	-4,441	7,524	0,000	3,078	24,984	0	0	1
140	12,073	7,930	16,650	3,232	26,489	0	0	1
150	11,363	7,971	15,662	3,686	26,785	0	0	0
160	-3,320	7,631	0,000	4,361	25,598	0	0	1
170	-1,721	7,631	0,000	5,870	25,496	0	0	1
180	-1,605	7,615	0,000	6,068	25,401	0	0	1
190	-0,948	7,622	0,000	6,601	25,397	0	0	1
200	-1,247	7,609	0,000	6,374	25,332	0	0	1
210	-0,018	7,627	0,000	7,653	25,367	0	0	1
220	0,541	7,643	0,000	8,157	25,431	0	0	1
230	-0,191	7,633	0,000	7,334	25,416	0	0	1
240	-2,103	7,591	0,000	5,403	25,272	0	0	1
250	-2,332	7,574	0,000	5,195	25,178	0	0	1
260	-1,849	7,576	0,000	5,653	25,162	0	0	1
270	-1,997	7,567	0,000	5,527	25,114	0	0	1
280	-2,502	7,550	0,000	5,047	25,043	0	0	1
290	-2,524	7,546	0,000	4,985	25,014	0	0	1
300	-3,560	7,519	0,000	3,904	24,914	0	0	1
310	12,012	7,921	16,766	3,141	26,423	0	0	1
320	10,893	7,954	15,907	2,858	26,714	0	0	0
330	-4,697	7,594	0,000	2,889	25,453	0	0	1
340	-4,701	7,553	0,000	2,843	25,196	0	0	1
350	-4,683	7,529	0,000	2,838	25,039	0	0	1
360	-4,633	7,512	0,000	2,872	24,930	0	0	1
370	-4,565	7,512	0,000	2,941	24,928	0	0	1
380	14,632	7,848	19,259	3,030	25,779	0	0	1
390	12,317	7,943	17,119	3,184	26,543	0	0	0
400	-3,867	7,585	0,000	3,731	25,342	0	0	1
410	-2,737	7,573	0,000	4,921	25,198	0	0	1
420	-3,935	7,534	0,000	3,591	25,027	0	0	1
430	-4,024	7,516	0,000	3,475	24,917	0	0	1
440	12,610	7,946	17,256	3,327	26,519	0	0	0
450	-3,905	7,580	0,000	3,672	25,313	0	0	1
460	-3,616	7,550	0,000	3,919	25,108	0	0	1
470	-3,392	7,534	0,000	4,143	24,992	0	0	1
480	13,201	7,966	16,802	4,469	26,634	0	0	0
490	-2,506	7,622	0,000	5,129	25,480	0	0	1
500	-2,687	7,589	0,000	4,763	25,286	0	0	1

EXPERIMENTO 40

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
510	-3,368	7,556	0,000	4,140	25,120	0	0	1
520	-4,001	7,527	0,000	3,508	24,976	0	0	1
530	12,711	7,947	17,083	3,370	26,582	0	0	0
540	-4,301	7,580	0,000	3,269	25,329	0	0	1
550	-4,330	7,542	0,000	3,202	25,092	0	0	1
560	-4,279	7,521	0,000	3,234	24,956	0	0	1
570	12,535	7,944	17,137	3,171	26,558	0	0	0
580	-4,433	7,575	0,000	3,128	25,310	0	0	1
590	-4,513	7,536	0,000	3,010	25,069	0	0	1
600	-4,512	7,514	0,000	2,993	24,931	0	0	1
610	12,261	7,937	17,345	2,941	26,528	0	0	0
620	-4,480	7,571	0,000	3,082	25,288	0	0	1
630	-4,413	7,535	0,000	3,117	25,057	0	0	1
640	-4,060	7,521	0,000	3,460	24,944	0	0	1
650	13,848	7,978	16,514	5,466	26,677	0	0	0
660	0,475	7,693	0,000	8,191	25,759	0	0	0
670	0,672	7,680	0,000	8,450	25,663	0	0	0
680	-0,562	7,649	0,000	7,008	25,541	0	0	1
690	-1,293	7,624	0,000	6,115	25,421	0	0	1
700	-3,219	7,572	0,000	4,364	25,210	0	0	1
710	-3,494	7,550	0,000	4,048	25,086	0	0	1
720	-3,058	7,544	0,000	4,477	25,023	0	0	1
730	-1,843	7,559	0,000	5,651	25,046	0	0	1
740	-1,086	7,571	0,000	6,457	25,079	0	0	1
750	-1,638	7,559	0,000	5,949	25,033	0	0	1
760	-0,504	7,576	0,000	7,085	25,079	0	0	1
770	-0,057	7,588	0,000	7,721	25,130	0	0	1
780	-0,237	7,600	0,000	7,301	25,208	0	0	1
790	0,070	7,614	0,000	7,321	25,280	0	0	1
800	-0,822	7,600	0,000	6,897	25,246	0	0	1
810	0,222	7,612	0,000	7,828	25,262	0	0	1
820	-0,402	7,614	0,000	6,952	25,310	0	0	1
830	-0,440	7,603	0,000	6,953	25,239	0	0	1
840	-2,000	7,562	0,000	5,711	25,075	0	0	1
850	-2,086	7,549	0,000	5,539	25,001	0	0	1
860	-1,675	7,552	0,000	5,724	24,994	0	0	1
870	13,738	7,970	16,807	4,862	26,657	0	0	0
880	-2,809	7,617	0,000	4,795	25,470	0	0	1
890	-2,823	7,583	0,000	4,716	25,256	0	0	1
900	-2,914	7,559	0,000	4,638	25,112	0	0	1
910	-2,958	7,542	0,000	4,569	25,010	0	0	1
920	-2,928	7,531	0,000	4,590	24,938	0	0	1
930	13,446	7,963	16,950	4,525	26,623	0	0	0
940	-2,869	7,609	0,000	4,733	25,427	0	0	1
950	-2,691	7,580	0,000	4,861	25,233	0	0	1
960	-2,890	7,557	0,000	4,657	25,099	0	0	1
970	-2,695	7,545	0,000	4,850	25,013	0	0	1
980	-2,820	7,533	0,000	4,700	24,945	0	0	1
990	13,584	7,966	16,741	4,754	26,638	0	0	0
1000	-2,934	7,610	0,000	4,658	25,433	0	0	1
1010	-3,004	7,574	0,000	4,554	25,216	0	0	1
1020	-2,905	7,555	0,000	4,639	25,090	0	0	1
1030	-2,785	7,543	0,000	4,745	25,007	0	0	1
1040	-2,662	7,535	0,000	4,861	24,952	0	0	1
1050	13,656	7,969	16,786	4,750	26,645	0	0	0
1060	-2,711	7,615	0,000	4,889	25,453	0	0	1
1070	-2,350	7,589	0,000	5,258	25,269	0	0	1
1080	-0,266	7,606	0,000	7,219	25,253	0	0	1
1090	-1,276	7,584	0,000	6,437	25,177	0	0	1
1100	-2,153	7,564	0,000	5,385	25,098	0	0	1
1110	-2,064	7,554	0,000	5,487	25,033	0	0	1
1120	0,629	7,598	0,000	8,455	25,151	0	0	1
1130	-0,897	7,583	0,000	6,435	25,142	0	0	1
1140	-2,157	7,549	0,000	5,359	25,000	0	0	1
1150	-2,352	7,537	0,000	5,167	24,942	0	0	1
1160	13,555	7,963	16,640	4,830	26,613	0	0	0
1170	-2,643	7,613	0,000	4,970	25,436	0	0	1
1180	-2,936	7,576	0,000	4,619	25,218	0	0	1

EXPERIMENTO 40 (continuação)

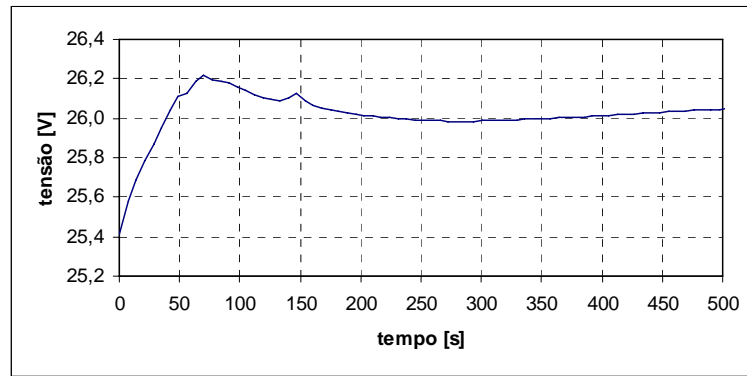


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,333	0	0	0
0	-3,007	7,249	0,000	4,427	25,240	0	0	1
30	-2,555	6,947	0,000	4,376	25,084	0	0	1
60	-2,570	6,923	0,000	4,339	25,003	0	0	1
90	-2,564	6,911	0,000	4,333	24,946	0	0	1
120	13,784	7,304	16,651	4,207	26,648	0	0	0
150	-2,573	6,980	0,000	4,395	25,458	0	0	1
180	-2,479	6,951	0,000	4,459	25,263	0	0	1
210	-2,395	6,933	0,000	4,526	25,149	0	0	1
240	-2,335	6,921	0,000	4,572	25,069	0	0	1
270	-2,299	6,912	0,000	4,599	25,006	0	0	1
300	-2,276	6,905	0,000	4,614	24,962	0	0	1
330	13,792	7,302	16,593	4,445	26,664	0	0	0
360	-2,393	6,978	0,000	4,570	25,483	0	0	1
390	-2,385	6,950	0,000	4,549	25,286	0	0	1
420	-2,390	6,932	0,000	4,527	25,166	0	0	1
450	-2,397	6,919	0,000	4,507	25,079	0	0	1
480	-2,404	6,909	0,000	4,490	25,009	0	0	1
510	-2,406	6,901	0,000	4,479	24,958	0	0	1
540	13,707	7,298	16,602	4,335	26,661	0	0	0
570	-2,489	6,975	0,000	4,472	25,474	0	0	1
600	-2,442	6,947	0,000	4,491	25,277	0	0	1
630	-2,405	6,930	0,000	4,510	25,159	0	0	1
660	-2,380	6,918	0,000	4,524	25,075	0	0	1
690	-2,354	6,909	0,000	4,540	25,010	0	0	1
720	-2,333	6,902	0,000	4,555	24,963	0	0	1
750	13,851	7,298	16,540	4,451	26,669	0	0	0
780	-2,330	6,978	0,000	4,636	25,490	0	0	1
810	-2,213	6,952	0,000	4,727	25,303	0	0	1
840	-2,013	6,939	0,000	4,922	25,201	0	0	1
870	-1,803	6,933	0,000	5,101	25,145	0	0	1
900	-1,813	6,924	0,000	5,104	25,086	0	0	1
930	-1,880	6,916	0,000	5,022	25,036	0	0	1
960	-1,732	6,913	0,000	5,160	25,010	0	0	1
990	-1,605	6,911	0,000	5,299	24,991	0	0	1
1020	14,693	7,321	16,127	5,895	26,755	0	0	0
1050	-1,440	7,005	0,000	5,539	25,623	0	0	1
1080	-1,603	6,976	0,000	5,355	25,428	0	0	1
1110	-1,565	6,960	0,000	5,375	25,323	0	0	1
1140	-1,707	6,946	0,000	5,217	25,236	0	0	1
1170	-1,816	6,935	0,000	5,100	25,164	0	0	1
1200	-1,804	6,927	0,000	5,111	25,109	0	0	1
1230	-1,447	6,926	0,000	5,443	25,087	0	0	1
1260	-1,839	6,915	0,000	5,047	25,035	0	0	1
1290	-2,053	6,906	0,000	4,834	24,982	0	0	1
1320	-2,103	6,900	0,000	4,782	24,947	0	0	1
1350	-2,080	6,897	0,000	4,795	24,925	0	0	1
1380	-2,238	6,891	0,000	4,637	24,896	0	0	1
1410	15,758	7,232	18,396	4,519	26,071	0	0	1
1440	13,495	7,307	16,186	4,411	26,747	0	0	0
1470	-2,435	6,984	0,000	4,535	25,542	0	0	1
1500	-2,428	6,954	0,000	4,511	25,328	0	0	1

EXPERIMENTO 41

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	-2,407	6,935	0,000	4,514	25,198	0	0	1
1560	-2,364	6,922	0,000	4,544	25,108	0	0	1
1590	-2,307	6,913	0,000	4,592	25,039	0	0	1
1620	-2,235	6,905	0,000	4,656	24,985	0	0	1
1650	13,862	7,302	16,602	4,581	26,680	0	0	0
1680	-2,154	6,982	0,000	4,816	25,513	0	0	1
1710	-2,024	6,957	0,000	4,920	25,331	0	0	1
1740	-1,905	6,943	0,000	5,025	25,228	0	0	1
1770	-1,790	6,934	0,000	5,130	25,160	0	0	1
1800	-1,725	6,927	0,000	5,186	25,107	0	0	1
1830	-1,705	6,921	0,000	5,199	25,063	0	0	1
1860	-1,696	6,915	0,000	5,202	25,026	0	0	1
1890	-1,694	6,911	0,000	5,200	24,995	0	0	1
1920	14,276	7,309	16,264	5,095	26,713	0	0	0
1950	-1,595	6,996	0,000	5,371	25,574	0	0	1
1980	-1,805	6,966	0,000	5,140	25,384	0	0	1
2010	-1,904	6,948	0,000	5,023	25,263	0	0	1
2040	-1,956	6,935	0,000	4,963	25,176	0	0	1
2070	-1,932	6,925	0,000	4,973	25,112	0	0	1
2100	-2,046	6,916	0,000	4,849	25,053	0	0	1
2130	-2,106	6,907	0,000	4,784	24,999	0	0	1
2160	13,899	7,305	16,505	4,613	26,704	0	0	0
2190	-2,180	6,982	0,000	4,788	25,521	0	0	1
2220	-2,073	6,957	0,000	4,871	25,337	0	0	1
2250	-1,844	6,944	0,000	5,092	25,239	0	0	1
2280	-1,726	6,936	0,000	5,195	25,175	0	0	1
2310	-1,701	6,929	0,000	5,210	25,122	0	0	1
2340	-1,638	6,923	0,000	5,269	25,082	0	0	1
2370	-1,608	6,918	0,000	5,295	25,047	0	0	1
2400	-1,386	6,918	0,000	5,520	25,033	0	0	1
2430	-1,359	6,916	0,000	5,529	25,019	0	0	1
2460	-1,477	6,912	0,000	5,416	24,993	0	0	1
2490	14,244	7,312	16,354	5,232	26,713	0	0	0
2520	-1,598	6,994	0,000	5,379	25,564	0	0	1
2550	-1,560	6,969	0,000	5,393	25,390	0	0	1
2580	-1,444	6,956	0,000	5,500	25,294	0	0	1
2610	-1,087	6,952	0,000	5,842	25,250	0	0	1
2640	-1,178	6,945	0,000	5,740	25,205	0	0	1
2670	-1,165	6,939	0,000	5,760	25,165	0	0	1
2700	-0,782	6,941	0,000	6,163	25,157	0	0	1
2730	2,732	7,013	0,000	9,550	25,448	0	0	1
2760	-0,457	6,967	0,000	6,475	25,315	0	0	1
2790	2,337	7,011	0,000	9,138	25,455	0	0	1
2820	0,778	6,996	0,000	7,889	25,436	0	0	1
2850	-0,339	6,975	0,000	6,654	25,364	0	0	1
2880	-0,642	6,966	0,000	6,285	25,318	0	0	1
2910	-0,260	6,965	0,000	6,739	25,291	0	0	1
2940	0,761	6,996	0,000	7,704	25,437	0	0	1
2970	-0,860	6,967	0,000	6,076	25,345	0	0	1
3000	-1,225	6,952	0,000	5,705	25,255	0	0	1
3030	-1,312	6,941	0,000	5,602	25,191	0	0	1
3060	-1,432	6,933	0,000	5,483	25,134	0	0	1
3090	-1,412	6,927	0,000	5,498	25,095	0	0	1
3120	-1,331	6,923	0,000	5,568	25,069	0	0	1
3150	-1,269	6,922	0,000	5,639	25,049	0	0	1
3180	-0,952	6,924	0,000	5,956	25,052	0	0	1
3210	-0,626	6,930	0,000	6,266	25,072	0	0	1
3240	-0,649	6,929	0,000	6,280	25,070	0	0	1
3270	-0,117	6,942	0,000	6,862	25,125	0	0	1
3300	1,578	6,980	0,000	8,319	25,285	0	0	1
3330	-0,045	6,955	0,000	6,894	25,208	0	0	1
3360	0,673	6,968	0,000	7,699	25,248	0	0	1
3390	-0,395	6,960	0,000	6,518	25,262	0	0	1
3420	-0,821	6,944	0,000	6,099	25,177	0	0	1
3450	-0,798	6,938	0,000	6,130	25,130	0	0	1
3480	0,286	6,953	0,000	7,224	25,176	0	0	1

EXPERIMENTO 41 (continuação)

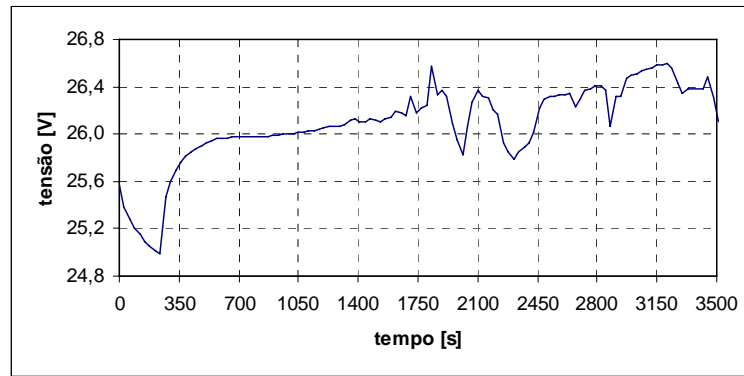


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
7	0,000	0,000	0,000	0,000	25,261	0	0	0
0	4,217	3,699	0,000	7,943	25,409	0	0	0
7	5,357	3,614	0,000	8,916	25,576	0	0	0
14	5,728	3,600	0,000	9,518	25,688	0	0	0
21	6,048	3,599	0,000	9,639	25,785	0	0	0
28	6,173	3,601	0,000	9,836	25,870	0	0	0
35	6,436	3,605	0,000	10,038	25,953	0	0	0
42	6,884	3,612	0,000	10,555	26,046	0	0	0
49	6,797	3,615	0,000	10,339	26,108	0	0	0
56	6,099	3,613	0,000	9,592	26,130	0	0	0
63	6,640	3,619	0,000	10,113	26,189	0	0	0
70	6,321	3,619	0,000	9,756	26,217	0	0	0
77	5,279	3,613	0,000	8,844	26,198	0	0	0
84	4,844	3,610	0,000	8,428	26,187	0	0	0
91	4,471	3,607	0,000	8,012	26,176	0	0	0
98	4,012	3,603	0,000	7,558	26,155	0	0	0
105	3,781	3,600	0,000	7,301	26,139	0	0	0
112	3,423	3,597	0,000	6,985	26,119	0	0	0
119	3,278	3,595	0,000	6,833	26,106	0	0	0
126	3,172	3,594	0,000	6,739	26,096	0	0	0
133	3,126	3,593	0,000	6,705	26,090	0	0	0
140	3,395	3,595	0,000	7,070	26,104	0	0	0
147	4,028	3,599	0,000	7,487	26,130	0	0	0
154	2,875	3,592	0,000	6,403	26,090	0	0	0
161	2,599	3,588	0,000	6,145	26,068	0	0	0
168	2,460	3,587	0,000	6,015	26,053	0	0	0
175	2,382	3,585	0,000	5,941	26,041	0	0	0
182	2,332	3,584	0,000	5,891	26,032	0	0	0
189	2,295	3,583	0,000	5,855	26,025	0	0	0
196	2,266	3,583	0,000	5,826	26,019	0	0	0
203	2,240	3,582	0,000	5,800	26,014	0	0	0
210	2,214	3,582	0,000	5,773	26,010	0	0	0
217	2,188	3,581	0,000	5,746	26,006	0	0	0
224	2,155	3,580	0,000	5,712	26,003	0	0	0
231	2,121	3,580	0,000	5,678	25,999	0	0	0
238	2,091	3,580	0,000	5,649	25,996	0	0	0
245	2,067	3,579	0,000	5,625	25,993	0	0	0
252	2,049	3,579	0,000	5,607	25,990	0	0	0
259	2,036	3,579	0,000	5,595	25,988	0	0	0
266	2,029	3,578	0,000	5,588	25,987	0	0	0
273	2,024	3,578	0,000	5,584	25,986	0	0	0
280	2,023	3,578	0,000	5,583	25,986	0	0	0
287	2,026	3,578	0,000	5,586	25,986	0	0	0
294	2,032	3,578	0,000	5,592	25,986	0	0	0
301	2,041	3,578	0,000	5,602	25,987	0	0	0
308	2,054	3,578	0,000	5,615	25,988	0	0	0
315	2,075	3,579	0,000	5,642	25,990	0	0	0
322	2,082	3,579	0,000	5,640	25,992	0	0	0
329	2,078	3,578	0,000	5,638	25,993	0	0	0
336	2,082	3,579	0,000	5,643	25,995	0	0	0
343	2,088	3,579	0,000	5,649	25,996	0	0	0
350	2,096	3,579	0,000	5,658	25,997	0	0	0

EXPERIMENTO 42

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
357	2,105	3,579	0,000	5,667	25,999	0	0	0
364	2,116	3,579	0,000	5,677	26,002	0	0	0
371	2,127	3,579	0,000	5,689	26,004	0	0	0
378	2,139	3,579	0,000	5,701	26,006	0	0	0
385	2,153	3,580	0,000	5,715	26,008	0	0	0
392	2,165	3,580	0,000	5,727	26,011	0	0	0
399	2,176	3,580	0,000	5,738	26,013	0	0	0
406	2,186	3,580	0,000	5,749	26,016	0	0	0
413	2,197	3,581	0,000	5,759	26,018	0	0	0
420	2,207	3,581	0,000	5,771	26,021	0	0	0
427	2,218	3,581	0,000	5,781	26,023	0	0	0
434	2,228	3,581	0,000	5,791	26,026	0	0	0
441	2,238	3,582	0,000	5,801	26,028	0	0	0
448	2,247	3,582	0,000	5,810	26,031	0	0	0
455	2,254	3,581	0,000	5,817	26,033	0	0	0
462	2,260	3,582	0,000	5,823	26,035	0	0	0
469	2,265	3,582	0,000	5,828	26,037	0	0	0
476	2,269	3,582	0,000	5,833	26,040	0	0	0
483	2,273	3,582	0,000	5,837	26,042	0	0	0
490	2,277	3,582	0,000	5,841	26,043	0	0	0
497	2,280	3,583	0,000	5,844	26,045	0	0	0

EXPERIMENTO 42 (continuação)

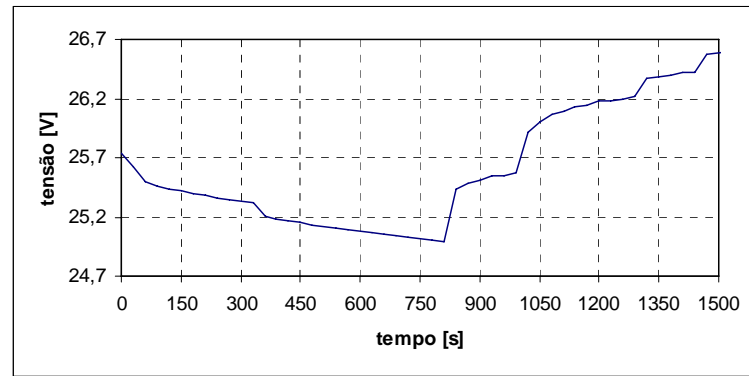


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,653	0	0	0
0	-2,223	5,755	0,000	3,626	25,572	0	0	1
30	-1,945	5,588	0,000	3,632	25,380	0	0	1
60	-1,908	5,572	0,000	3,653	25,279	0	0	1
90	-1,861	5,562	0,000	3,691	25,206	0	0	1
120	-1,813	5,555	0,000	3,725	25,151	0	0	1
150	-1,912	5,547	0,000	3,623	25,096	0	0	1
180	-1,908	5,542	0,000	3,622	25,051	0	0	1
210	-1,874	5,537	0,000	3,652	25,015	0	0	1
240	-1,823	5,534	0,000	3,700	24,985	0	0	1
270	3,593	5,623	5,034	3,742	25,470	0	0	1
300	3,220	5,641	4,752	3,756	25,602	0	0	1
330	2,653	5,654	4,890	3,762	25,700	0	0	1
360	3,047	5,660	4,460	3,741	25,760	0	0	1
390	2,385	5,653	4,279	3,711	25,812	0	0	1
420	2,078	5,658	4,350	3,687	25,851	0	0	1
450	2,120	5,660	4,629	3,666	25,876	0	0	1
480	2,003	5,663	4,319	3,655	25,895	0	0	1
510	2,003	5,668	3,943	3,659	25,921	0	0	1
540	2,278	5,664	3,655	3,697	25,940	0	0	1
570	2,864	5,673	3,559	4,114	25,966	0	0	1
600	1,683	5,667	3,630	3,723	25,970	0	0	1
630	1,897	5,669	3,728	3,654	25,970	0	0	1
660	1,578	5,673	4,368	3,617	25,977	0	0	1
690	1,728	5,668	3,916	3,555	25,981	0	0	1
720	1,675	5,670	4,185	3,498	25,973	0	0	1
750	1,396	5,670	3,796	3,460	25,978	0	0	1
780	1,510	5,670	3,846	3,435	25,980	0	0	1
810	1,603	5,670	4,022	3,418	25,983	0	0	1
840	1,928	5,677	4,338	3,409	25,977	0	0	1
870	1,625	5,678	4,590	3,409	25,982	0	0	1
900	1,606	5,670	3,716	3,408	25,993	0	0	1
930	1,564	5,671	3,886	3,415	25,994	0	0	1
960	1,526	5,677	4,473	3,435	25,999	0	0	1
990	1,601	5,671	3,663	3,458	26,000	0	0	1
1020	1,577	5,681	4,042	3,508	26,004	0	0	1
1050	1,702	5,680	4,117	3,564	26,011	0	0	1
1080	1,818	5,682	4,158	3,608	26,011	0	0	1
1110	1,573	5,672	3,642	3,649	26,032	0	0	1
1140	1,685	5,685	3,963	3,685	26,031	0	0	1
1170	1,464	5,676	3,644	3,767	26,041	0	0	1
1200	1,511	5,676	3,273	3,891	26,047	0	0	1
1230	1,932	5,676	3,284	3,952	26,069	0	0	1
1260	1,639	5,680	3,600	3,998	26,069	0	0	1
1290	2,001	5,692	4,060	4,034	26,070	0	0	1
1320	1,916	5,693	4,132	4,117	26,083	0	0	1
1350	2,656	5,689	3,348	4,510	26,111	0	0	1
1380	2,702	5,690	3,209	4,449	26,128	0	0	1
1410	1,846	5,688	3,577	4,219	26,110	0	0	1
1440	1,816	5,689	3,811	4,141	26,107	0	0	1
1470	2,032	5,690	3,120	4,382	26,126	0	0	1
1500	1,958	5,694	3,745	4,262	26,112	0	0	1

EXPERIMENTO 43

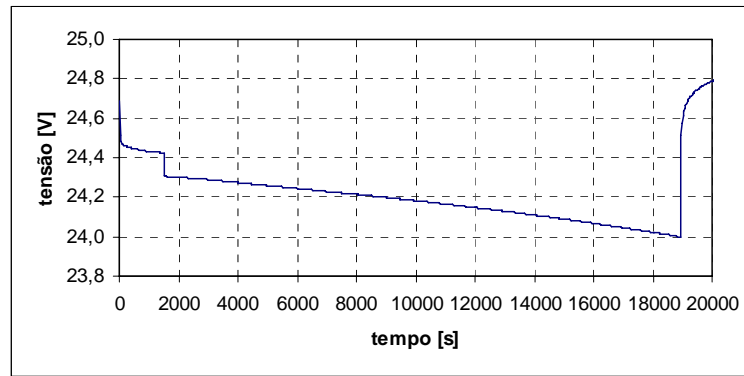
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	2,090	5,695	4,085	4,285	26,110	0	0	1
1560	2,197	5,687	3,117	4,429	26,131	0	0	1
1590	2,435	5,694	3,084	4,512	26,139	0	0	1
1620	3,369	5,708	3,234	5,622	26,192	0	0	1
1650	1,745	5,695	3,396	4,396	26,178	0	0	1
1680	1,881	5,693	3,473	4,336	26,149	0	0	1
1710	4,682	5,729	2,947	7,250	26,316	0	0	1
1740	1,842	5,698	3,626	4,641	26,178	0	0	1
1770	2,935	5,708	3,056	5,336	26,218	0	0	1
1800	3,302	5,715	3,608	5,659	26,239	0	0	1
1830	6,866	5,775	2,408	10,537	26,569	0	0	0
1860	3,383	5,725	0,000	8,569	26,332	0	0	0
1890	4,876	5,739	0,000	10,580	26,375	0	0	0
1920	3,803	5,726	0,000	9,428	26,323	0	0	0
1950	0,846	5,679	0,000	6,599	26,094	0	0	0
1980	-0,866	5,652	0,000	4,709	25,954	0	0	1
2010	-1,138	5,635	0,000	4,469	25,821	0	0	1
2040	3,573	5,695	0,000	9,264	26,069	0	0	1
2070	4,326	5,724	0,000	10,015	26,273	0	0	1
2100	4,823	5,739	0,000	10,539	26,375	0	0	1
2130	3,982	5,727	0,000	9,773	26,324	0	0	1
2160	3,265	5,720	0,000	8,849	26,304	0	0	1
2190	2,767	5,705	0,000	8,378	26,202	0	0	1
2220	2,513	5,699	0,000	8,647	26,170	0	0	1
2250	-0,887	5,649	0,000	4,725	25,928	0	0	1
2280	-0,628	5,641	0,000	4,958	25,847	0	0	1
2310	-1,140	5,631	0,000	4,458	25,787	0	0	1
2340	0,795	5,651	0,000	6,322	25,851	0	0	1
2370	1,188	5,658	0,000	6,885	25,888	0	0	1
2400	0,858	5,660	0,000	6,595	25,927	0	0	1
2430	2,104	5,678	0,000	7,863	26,010	0	0	1
2460	3,999	5,716	0,000	9,679	26,222	0	0	1
2490	4,022	5,724	0,000	9,711	26,291	0	0	1
2520	3,928	5,726	0,000	9,619	26,314	0	0	1
2550	3,862	5,727	0,000	9,550	26,323	0	0	1
2580	3,801	5,726	0,000	9,497	26,326	0	0	1
2610	3,818	5,727	0,000	9,516	26,333	0	0	1
2640	3,976	5,730	0,000	9,680	26,348	0	0	1
2670	1,972	5,702	0,000	7,581	26,227	0	0	1
2700	4,112	5,725	0,000	9,815	26,299	0	0	1
2730	4,231	5,733	0,000	9,944	26,364	0	0	1
2760	4,299	5,736	0,000	10,005	26,386	0	0	1
2790	4,424	5,739	0,000	10,128	26,403	0	0	1
2820	4,373	5,739	0,000	10,012	26,406	0	0	1
2850	3,678	5,730	0,000	9,489	26,371	0	0	1
2880	-0,007	5,671	0,000	5,685	26,070	0	0	1
2910	4,150	5,728	0,000	10,164	26,324	0	0	1
2940	3,896	5,725	0,000	9,941	26,323	0	0	1
2970	5,300	5,752	0,000	11,004	26,468	0	0	1
3000	5,319	5,756	0,000	11,044	26,496	0	0	1
3030	5,427	5,759	0,000	11,148	26,515	0	0	0
3060	5,516	5,761	0,000	11,239	26,529	0	0	0
3090	5,616	5,763	0,000	11,345	26,543	0	0	0
3120	5,736	5,766	0,000	11,478	26,558	0	0	0
3150	5,969	5,770	0,000	11,706	26,581	0	0	0
3180	5,981	5,772	0,000	11,721	26,591	0	0	0
3210	5,990	5,772	0,000	11,637	26,597	0	0	0
3240	5,424	5,764	0,000	11,192	26,557	0	0	0
3270	3,864	5,738	0,000	9,536	26,430	0	0	0
3300	2,942	5,721	0,000	8,726	26,341	0	0	0
3330	3,838	5,733	0,000	9,510	26,385	0	0	0
3360	3,807	5,732	0,000	9,525	26,380	0	0	0
3390	3,993	5,734	0,000	9,771	26,388	0	0	0
3420	3,894	5,733	0,000	9,572	26,388	0	0	0
3450	5,240	5,754	0,000	10,937	26,482	0	0	0
3480	2,405	5,714	0,000	8,054	26,307	0	0	0

EXPERIMENTO 43 (continuação)



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,751	0	0	0
0	-0,352	5,797	0,000	5,487	25,738	0	0	1
30	-1,508	7,038	0,000	5,512	25,628	0	0	1
60	-3,482	9,023	0,000	5,524	25,495	0	0	1
90	-3,465	9,010	0,000	5,527	25,460	0	0	1
120	-3,473	9,001	0,000	5,510	25,437	0	0	1
150	-3,524	8,994	0,000	5,451	25,417	0	0	1
180	-3,557	8,987	0,000	5,412	25,399	0	0	1
210	-3,645	8,981	0,000	5,318	25,380	0	0	1
240	-3,682	8,976	0,000	5,275	25,363	0	0	1
270	-3,765	8,971	0,000	5,189	25,346	0	0	1
300	-3,819	8,967	0,000	5,129	25,330	0	0	1
330	-3,894	8,962	0,000	5,051	25,314	0	0	1
360	-5,871	10,906	0,000	5,018	25,203	0	0	1
390	-5,927	10,897	0,000	4,953	25,182	0	0	1
420	-5,955	10,891	0,000	4,920	25,166	0	0	1
450	-5,974	10,886	0,000	4,896	25,150	0	0	1
480	-5,992	10,882	0,000	4,874	25,135	0	0	1
510	-6,006	10,877	0,000	4,855	25,121	0	0	1
540	-6,020	10,874	0,000	4,838	25,107	0	0	1
570	-6,023	10,870	0,000	4,832	25,093	0	0	1
600	-6,019	10,867	0,000	4,832	25,081	0	0	1
630	-6,039	10,863	0,000	4,808	25,067	0	0	1
660	-6,045	10,860	0,000	4,799	25,054	0	0	1
690	-6,037	10,856	0,000	4,804	25,042	0	0	1
720	-6,055	10,853	0,000	4,782	25,028	0	0	1
750	-6,106	10,849	0,000	4,726	25,014	0	0	1
780	-6,112	10,829	0,000	4,701	25,001	0	0	1
810	-6,146	10,826	0,000	4,665	24,986	0	0	1
840	0,876	11,040	8,369	4,603	25,440	0	0	1
870	1,163	11,052	7,754	4,565	25,486	0	0	1
900	1,352	11,080	7,457	4,524	25,511	0	0	1
930	0,730	11,071	7,332	4,484	25,545	0	0	1
960	0,871	11,079	6,778	4,448	25,552	0	0	1
990	0,734	11,071	7,471	4,414	25,569	0	0	1
1020	4,229	5,677	6,239	4,365	25,910	0	0	1
1050	4,517	5,706	5,883	4,338	26,006	0	0	1
1080	3,885	5,701	5,177	4,322	26,063	0	0	1
1110	3,669	5,695	5,190	4,311	26,092	0	0	1
1140	4,318	5,715	5,638	4,313	26,126	0	0	1
1170	3,824	5,703	4,661	4,318	26,142	0	0	1
1200	3,538	5,710	5,461	4,336	26,177	0	0	1
1230	4,261	5,715	5,121	4,354	26,187	0	0	1
1260	4,397	5,720	4,640	4,378	26,194	0	0	1
1290	3,528	5,706	4,876	4,408	26,220	0	0	1
1320	5,300	5,741	6,687	4,426	26,369	0	0	1
1350	5,151	5,749	6,265	4,461	26,384	0	0	1
1380	5,113	5,749	6,576	4,501	26,393	0	0	1
1410	5,006	5,757	6,287	4,533	26,418	0	0	1
1440	5,693	5,745	6,361	4,576	26,425	0	0	1
1470	6,812	5,785	7,619	4,597	26,578	0	0	1
1500	6,063	5,775	8,010	4,634	26,591	0	0	1

EXPERIMENTO 44



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,009	0	0	0
0	-9,383	9,098	0,000	0,000	24,686	0	0	0
30	-8,833	8,829	0,000	0,000	24,512	0	0	0
60	-8,787	8,785	0,000	0,000	24,481	0	0	0
90	-8,772	8,771	0,000	0,000	24,470	0	0	0
120	-8,766	8,765	0,000	0,000	24,465	0	0	0
150	-8,763	8,762	0,000	0,000	24,462	0	0	0
180	-8,761	8,759	0,000	0,000	24,460	0	0	0
210	-8,759	8,758	0,000	0,000	24,458	0	0	0
240	-8,758	8,757	0,000	0,000	24,457	0	0	0
270	-8,757	8,755	0,000	0,000	24,455	0	0	0
300	-8,755	8,754	0,000	0,000	24,454	0	0	0
330	-8,754	8,753	0,000	0,000	24,453	0	0	0
360	-8,753	8,752	0,000	0,000	24,451	0	0	0
390	-8,753	8,751	0,000	0,000	24,450	0	0	0
420	-8,752	8,750	0,000	0,000	24,449	0	0	0
450	-8,751	8,750	0,000	0,000	24,448	0	0	0
480	-8,750	8,749	0,000	0,000	24,447	0	0	0
510	-8,749	8,748	0,000	0,000	24,445	0	0	0
540	-8,749	8,748	0,000	0,000	24,445	0	0	0
570	-8,749	8,747	0,000	0,000	24,443	0	0	0
600	-8,748	8,747	0,000	0,000	24,442	0	0	0
630	-8,747	8,746	0,000	0,000	24,442	0	0	0
660	-8,747	8,746	0,000	0,000	24,441	0	0	0
690	-8,747	8,745	0,000	0,000	24,440	0	0	0
720	-8,746	8,745	0,000	0,000	24,439	0	0	0
750	-8,746	8,744	0,000	0,000	24,438	0	0	0
780	-8,745	8,744	0,000	0,000	24,438	0	0	0
810	-8,745	8,744	0,000	0,000	24,437	0	0	0
840	-8,745	8,743	0,000	0,000	24,436	0	0	0
870	-8,744	8,743	0,000	0,000	24,435	0	0	0
900	-8,744	8,743	0,000	0,000	24,434	0	0	0
930	-8,744	8,742	0,000	0,000	24,434	0	0	0
960	-8,744	8,742	0,000	0,000	24,433	0	0	0
990	-8,743	8,742	0,000	0,000	24,433	0	0	0
1020	-8,743	8,742	0,000	0,000	24,432	0	0	0
1050	-8,743	8,741	0,000	0,000	24,432	0	0	0
1080	-8,742	8,741	0,000	0,000	24,431	0	0	0
1110	-8,742	8,741	0,000	0,000	24,431	0	0	0
1140	-8,742	8,741	0,000	0,000	24,430	0	0	0
1170	-8,742	8,741	0,000	0,000	24,429	0	0	0
1200	-8,742	8,740	0,000	0,000	24,429	0	0	0
1230	-8,741	8,740	0,000	0,000	24,429	0	0	0
1260	-8,741	8,740	0,000	0,000	24,428	0	0	0
1290	-8,741	8,740	0,000	0,000	24,428	0	0	0
1320	-8,741	8,739	0,000	0,000	24,427	0	0	0
1350	-8,740	8,739	0,000	0,000	24,427	0	0	0
1380	-8,740	8,739	0,000	0,000	24,426	0	0	0
1410	-8,740	8,739	0,000	0,000	24,426	0	0	0
1440	-8,740	8,739	0,000	0,000	24,426	0	0	0
1470	-8,740	8,739	0,000	0,000	24,425	0	0	0
1500	-8,740	8,739	0,000	0,000	24,425	0	0	0

EXPERIMENTO 45

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	-11,971	11,968	0,000	0,000	24,310	0	0	0
1560	-11,935	11,933	0,000	0,000	24,307	0	0	0
1590	-11,923	11,921	0,000	0,000	24,306	0	0	0
1620	-11,919	11,917	0,000	0,000	24,305	0	0	0
1650	-11,916	11,915	0,000	0,000	24,305	0	0	0
1680	-11,915	11,913	0,000	0,000	24,305	0	0	0
1710	-11,913	11,912	0,000	0,000	24,304	0	0	0
1740	-11,911	11,910	0,000	0,000	24,304	0	0	0
1770	-11,910	11,908	0,000	0,000	24,304	0	0	0
1800	-11,909	11,907	0,000	0,000	24,303	0	0	0
1830	-11,908	11,906	0,000	0,000	24,303	0	0	0
1860	-11,907	11,905	0,000	0,000	24,303	0	0	0
1890	-11,906	11,904	0,000	0,000	24,302	0	0	0
1920	-11,906	11,903	0,000	0,000	24,302	0	0	0
1950	-11,905	11,903	0,000	0,000	24,302	0	0	0
1980	-11,905	11,903	0,000	0,000	24,301	0	0	0
2010	-11,904	11,902	0,000	0,000	24,301	0	0	0
2040	-11,903	11,901	0,000	0,000	24,301	0	0	0
2070	-11,903	11,901	0,000	0,000	24,301	0	0	0
2100	-11,903	11,901	0,000	0,000	24,300	0	0	0
2130	-11,902	11,900	0,000	0,000	24,300	0	0	0
2160	-11,902	11,900	0,000	0,000	24,299	0	0	0
2190	-11,901	11,899	0,000	0,000	24,299	0	0	0
2220	-11,901	11,899	0,000	0,000	24,299	0	0	0
2250	-11,900	11,899	0,000	0,000	24,298	0	0	0
2280	-11,900	11,899	0,000	0,000	24,298	0	0	0
2310	-11,901	11,899	0,000	0,000	24,297	0	0	0
2340	-11,900	11,898	0,000	0,000	24,297	0	0	0
2370	-11,900	11,898	0,000	0,000	24,297	0	0	0
2400	-11,899	11,898	0,000	0,000	24,297	0	0	0
2430	-11,899	11,898	0,000	0,000	24,296	0	0	0
2460	-11,899	11,897	0,000	0,000	24,296	0	0	0
2490	-11,899	11,897	0,000	0,000	24,295	0	0	0
2520	-11,898	11,897	0,000	0,000	24,295	0	0	0
2550	-11,898	11,897	0,000	0,000	24,295	0	0	0
2580	-11,898	11,896	0,000	0,000	24,294	0	0	0
2610	-11,898	11,896	0,000	0,000	24,294	0	0	0
2640	-11,898	11,896	0,000	0,000	24,293	0	0	0
2670	-11,897	11,895	0,000	0,000	24,293	0	0	0
2700	-11,897	11,895	0,000	0,000	24,293	0	0	0
2730	-11,897	11,896	0,000	0,000	24,292	0	0	0
2760	-11,897	11,895	0,000	0,000	24,292	0	0	0
2790	-11,897	11,895	0,000	0,000	24,291	0	0	0
2820	-11,896	11,895	0,000	0,000	24,291	0	0	0
2850	-11,896	11,895	0,000	0,000	24,291	0	0	0
2880	-11,896	11,894	0,000	0,000	24,290	0	0	0
2910	-11,896	11,894	0,000	0,000	24,290	0	0	0
2940	-11,896	11,894	0,000	0,000	24,290	0	0	0
2970	-11,895	11,894	0,000	0,000	24,289	0	0	0
3000	-11,896	11,894	0,000	0,000	24,289	0	0	0
3030	-11,895	11,894	0,000	0,000	24,288	0	0	0
3060	-11,896	11,894	0,000	0,000	24,288	0	0	0
3090	-11,895	11,894	0,000	0,000	24,287	0	0	0
3120	-11,895	11,894	0,000	0,000	24,287	0	0	0
3150	-11,895	11,893	0,000	0,000	24,287	0	0	0
3180	-11,895	11,893	0,000	0,000	24,286	0	0	0
3210	-11,895	11,893	0,000	0,000	24,286	0	0	0
3240	-11,895	11,893	0,000	0,000	24,285	0	0	0
3270	-11,895	11,893	0,000	0,000	24,285	0	0	0
3300	-11,895	11,893	0,000	0,000	24,284	0	0	0
3330	-11,894	11,892	0,000	0,000	24,284	0	0	0
3360	-11,894	11,892	0,000	0,000	24,284	0	0	0
3390	-11,894	11,892	0,000	0,000	24,283	0	0	0
3420	-11,894	11,892	0,000	0,000	24,283	0	0	0
3450	-11,894	11,892	0,000	0,000	24,283	0	0	0
3480	-11,894	11,892	0,000	0,000	24,282	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
3510	-11,894	11,892	0,000	0,000	24,282	0	0	0
3540	-11,893	11,892	0,000	0,000	24,281	0	0	0
3570	-11,893	11,891	0,000	0,000	24,281	0	0	0
3600	-11,893	11,891	0,000	0,000	24,280	0	0	0
3630	-11,893	11,891	0,000	0,000	24,280	0	0	0
3660	-11,893	11,891	0,000	0,000	24,279	0	0	0
3690	-11,893	11,891	0,000	0,000	24,279	0	0	0
3720	-11,892	11,891	0,000	0,000	24,279	0	0	0
3750	-11,892	11,891	0,000	0,000	24,278	0	0	0
3780	-11,892	11,890	0,000	0,000	24,277	0	0	0
3810	-11,893	11,891	0,000	0,000	24,277	0	0	0
3840	-11,892	11,891	0,000	0,000	24,277	0	0	0
3870	-11,892	11,890	0,000	0,000	24,276	0	0	0
3900	-11,892	11,890	0,000	0,000	24,276	0	0	0
3930	-11,892	11,890	0,000	0,000	24,275	0	0	0
3960	-11,892	11,890	0,000	0,000	24,275	0	0	0
3990	-11,891	11,890	0,000	0,000	24,275	0	0	0
4020	-11,891	11,889	0,000	0,000	24,274	0	0	0
4050	-11,891	11,889	0,000	0,000	24,274	0	0	0
4080	-11,891	11,889	0,000	0,000	24,273	0	0	0
4110	-11,891	11,890	0,000	0,000	24,273	0	0	0
4140	-11,891	11,889	0,000	0,000	24,272	0	0	0
4170	-11,891	11,889	0,000	0,000	24,272	0	0	0
4200	-11,891	11,889	0,000	0,000	24,271	0	0	0
4230	-11,890	11,889	0,000	0,000	24,271	0	0	0
4260	-11,890	11,889	0,000	0,000	24,270	0	0	0
4290	-11,890	11,888	0,000	0,000	24,270	0	0	0
4320	-11,890	11,888	0,000	0,000	24,269	0	0	0
4350	-11,889	11,888	0,000	0,000	24,269	0	0	0
4380	-11,890	11,888	0,000	0,000	24,269	0	0	0
4410	-11,889	11,887	0,000	0,000	24,268	0	0	0
4440	-11,889	11,887	0,000	0,000	24,268	0	0	0
4470	-11,889	11,887	0,000	0,000	24,267	0	0	0
4500	-11,889	11,887	0,000	0,000	24,267	0	0	0
4530	-11,889	11,887	0,000	0,000	24,266	0	0	0
4560	-11,889	11,887	0,000	0,000	24,266	0	0	0
4590	-11,888	11,887	0,000	0,000	24,265	0	0	0
4620	-11,888	11,886	0,000	0,000	24,265	0	0	0
4650	-11,889	11,887	0,000	0,000	24,265	0	0	0
4680	-11,888	11,887	0,000	0,000	24,264	0	0	0
4710	-11,888	11,886	0,000	0,000	24,264	0	0	0
4740	-11,888	11,886	0,000	0,000	24,263	0	0	0
4770	-11,888	11,886	0,000	0,000	24,263	0	0	0
4800	-11,888	11,886	0,000	0,000	24,262	0	0	0
4830	-11,887	11,886	0,000	0,000	24,262	0	0	0
4860	-11,887	11,885	0,000	0,000	24,261	0	0	0
4890	-11,887	11,886	0,000	0,000	24,261	0	0	0
4920	-11,887	11,886	0,000	0,000	24,260	0	0	0
4950	-11,887	11,885	0,000	0,000	24,260	0	0	0
4980	-11,887	11,885	0,000	0,000	24,259	0	0	0
5010	-11,887	11,885	0,000	0,000	24,259	0	0	0
5040	-11,887	11,885	0,000	0,000	24,259	0	0	0
5070	-11,887	11,885	0,000	0,000	24,258	0	0	0
5100	-11,886	11,885	0,000	0,000	24,258	0	0	0
5130	-11,886	11,885	0,000	0,000	24,257	0	0	0
5160	-11,886	11,885	0,000	0,000	24,257	0	0	0
5190	-11,886	11,884	0,000	0,000	24,256	0	0	0
5220	-11,886	11,884	0,000	0,000	24,256	0	0	0
5250	-11,886	11,884	0,000	0,000	24,255	0	0	0
5280	-11,885	11,884	0,000	0,000	24,255	0	0	0
5310	-11,885	11,883	0,000	0,000	24,254	0	0	0
5340	-11,885	11,883	0,000	0,000	24,254	0	0	0
5370	-11,885	11,883	0,000	0,000	24,253	0	0	0
5400	-11,885	11,883	0,000	0,000	24,253	0	0	0
5430	-11,885	11,883	0,000	0,000	24,253	0	0	0
5460	-11,885	11,883	0,000	0,000	24,252	0	0	0
5490	-11,885	11,883	0,000	0,000	24,252	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
5520	-11,884	11,883	0,000	0,000	24,251	0	0	0
5550	-11,884	11,882	0,000	0,000	24,251	0	0	0
5580	-11,884	11,882	0,000	0,000	24,250	0	0	0
5610	-11,884	11,882	0,000	0,000	24,250	0	0	0
5640	-11,884	11,882	0,000	0,000	24,250	0	0	0
5670	-11,884	11,882	0,000	0,000	24,249	0	0	0
5700	-11,884	11,882	0,000	0,000	24,249	0	0	0
5730	-11,883	11,882	0,000	0,000	24,248	0	0	0
5760	-11,883	11,881	0,000	0,000	24,247	0	0	0
5790	-11,884	11,882	0,000	0,000	24,247	0	0	0
5820	-11,883	11,882	0,000	0,000	24,247	0	0	0
5850	-11,883	11,882	0,000	0,000	24,246	0	0	0
5880	-11,883	11,881	0,000	0,000	24,246	0	0	0
5910	-11,883	11,881	0,000	0,000	24,246	0	0	0
5940	-11,883	11,881	0,000	0,000	24,245	0	0	0
5970	-11,883	11,881	0,000	0,000	24,245	0	0	0
6000	-11,882	11,881	0,000	0,000	24,244	0	0	0
6030	-11,882	11,881	0,000	0,000	24,244	0	0	0
6060	-11,882	11,880	0,000	0,000	24,243	0	0	0
6090	-11,882	11,880	0,000	0,000	24,243	0	0	0
6120	-11,882	11,880	0,000	0,000	24,242	0	0	0
6150	-11,882	11,880	0,000	0,000	24,242	0	0	0
6180	-11,882	11,880	0,000	0,000	24,242	0	0	0
6210	-11,881	11,880	0,000	0,000	24,241	0	0	0
6240	-11,881	11,879	0,000	0,000	24,241	0	0	0
6270	-11,881	11,880	0,000	0,000	24,240	0	0	0
6300	-11,882	11,880	0,000	0,000	24,240	0	0	0
6330	-11,881	11,880	0,000	0,000	24,239	0	0	0
6360	-11,881	11,879	0,000	0,000	24,239	0	0	0
6390	-11,881	11,879	0,000	0,000	24,239	0	0	0
6420	-11,881	11,879	0,000	0,000	24,238	0	0	0
6450	-11,881	11,879	0,000	0,000	24,237	0	0	0
6480	-11,880	11,879	0,000	0,000	24,237	0	0	0
6510	-11,880	11,879	0,000	0,000	24,236	0	0	0
6540	-11,880	11,878	0,000	0,000	24,236	0	0	0
6570	-11,880	11,878	0,000	0,000	24,236	0	0	0
6600	-11,880	11,878	0,000	0,000	24,235	0	0	0
6630	-11,880	11,878	0,000	0,000	24,235	0	0	0
6660	-11,879	11,878	0,000	0,000	24,234	0	0	0
6690	-11,880	11,878	0,000	0,000	24,234	0	0	0
6720	-11,880	11,878	0,000	0,000	24,233	0	0	0
6750	-11,879	11,878	0,000	0,000	24,233	0	0	0
6780	-11,879	11,877	0,000	0,000	24,232	0	0	0
6810	-11,879	11,877	0,000	0,000	24,232	0	0	0
6840	-11,879	11,877	0,000	0,000	24,232	0	0	0
6870	-11,879	11,877	0,000	0,000	24,231	0	0	0
6900	-11,879	11,877	0,000	0,000	24,231	0	0	0
6930	-11,878	11,877	0,000	0,000	24,230	0	0	0
6960	-11,879	11,877	0,000	0,000	24,230	0	0	0
6990	-11,878	11,877	0,000	0,000	24,229	0	0	0
7020	-11,878	11,876	0,000	0,000	24,229	0	0	0
7050	-11,878	11,876	0,000	0,000	24,228	0	0	0
7080	-11,878	11,877	0,000	0,000	24,228	0	0	0
7110	-11,878	11,877	0,000	0,000	24,227	0	0	0
7140	-11,878	11,876	0,000	0,000	24,227	0	0	0
7170	-11,878	11,876	0,000	0,000	24,227	0	0	0
7200	-11,877	11,876	0,000	0,000	24,226	0	0	0
7230	-11,877	11,876	0,000	0,000	24,226	0	0	0
7260	-11,877	11,875	0,000	0,000	24,225	0	0	0
7290	-11,877	11,875	0,000	0,000	24,225	0	0	0
7320	-11,877	11,875	0,000	0,000	24,224	0	0	0
7350	-11,877	11,875	0,000	0,000	24,224	0	0	0
7380	-11,878	11,876	0,000	0,000	24,223	0	0	0
7410	-11,877	11,875	0,000	0,000	24,223	0	0	0
7440	-11,877	11,875	0,000	0,000	24,222	0	0	0
7470	-11,877	11,875	0,000	0,000	24,222	0	0	0
7500	-11,877	11,875	0,000	0,000	24,221	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
7530	-11,876	11,875	0,000	0,000	24,221	0	0	0
7560	-11,876	11,874	0,000	0,000	24,221	0	0	0
7590	-11,876	11,874	0,000	0,000	24,220	0	0	0
7620	-11,876	11,874	0,000	0,000	24,220	0	0	0
7650	-11,876	11,874	0,000	0,000	24,219	0	0	0
7680	-11,875	11,874	0,000	0,000	24,219	0	0	0
7710	-11,875	11,873	0,000	0,000	24,219	0	0	0
7740	-11,875	11,873	0,000	0,000	24,218	0	0	0
7770	-11,875	11,873	0,000	0,000	24,217	0	0	0
7800	-11,875	11,873	0,000	0,000	24,217	0	0	0
7830	-11,875	11,873	0,000	0,000	24,216	0	0	0
7860	-11,875	11,873	0,000	0,000	24,216	0	0	0
7890	-11,875	11,873	0,000	0,000	24,216	0	0	0
7920	-11,874	11,873	0,000	0,000	24,215	0	0	0
7950	-11,874	11,872	0,000	0,000	24,215	0	0	0
7980	-11,875	11,873	0,000	0,000	24,214	0	0	0
8010	-11,874	11,872	0,000	0,000	24,214	0	0	0
8040	-11,874	11,872	0,000	0,000	24,214	0	0	0
8070	-11,874	11,872	0,000	0,000	24,213	0	0	0
8100	-11,874	11,872	0,000	0,000	24,212	0	0	0
8130	-11,874	11,872	0,000	0,000	24,212	0	0	0
8160	-11,874	11,872	0,000	0,000	24,212	0	0	0
8190	-11,873	11,871	0,000	0,000	24,211	0	0	0
8220	-11,873	11,872	0,000	0,000	24,210	0	0	0
8250	-11,873	11,871	0,000	0,000	24,210	0	0	0
8280	-11,873	11,871	0,000	0,000	24,210	0	0	0
8310	-11,872	11,871	0,000	0,000	24,209	0	0	0
8340	-11,844	11,841	0,000	0,000	24,210	0	0	0
8370	-11,845	11,843	0,000	0,000	24,209	0	0	0
8400	-11,846	11,844	0,000	0,000	24,208	0	0	0
8430	-11,845	11,844	0,000	0,000	24,208	0	0	0
8460	-11,846	11,844	0,000	0,000	24,207	0	0	0
8490	-11,845	11,844	0,000	0,000	24,207	0	0	0
8520	-11,846	11,843	0,000	0,000	24,207	0	0	0
8550	-11,847	11,846	0,000	0,000	24,206	0	0	0
8580	-11,849	11,847	0,000	0,000	24,205	0	0	0
8610	-11,850	11,849	0,000	0,000	24,205	0	0	0
8640	-11,851	11,849	0,000	0,000	24,204	0	0	0
8670	-11,851	11,850	0,000	0,000	24,204	0	0	0
8700	-11,851	11,849	0,000	0,000	24,204	0	0	0
8730	-11,851	11,849	0,000	0,000	24,203	0	0	0
8760	-11,851	11,849	0,000	0,000	24,203	0	0	0
8790	-11,850	11,849	0,000	0,000	24,202	0	0	0
8820	-11,850	11,848	0,000	0,000	24,202	0	0	0
8850	-11,850	11,848	0,000	0,000	24,201	0	0	0
8880	-11,850	11,848	0,000	0,000	24,201	0	0	0
8910	-11,850	11,848	0,000	0,000	24,200	0	0	0
8940	-11,850	11,848	0,000	0,000	24,200	0	0	0
8970	-11,850	11,848	0,000	0,000	24,199	0	0	0
9000	-11,850	11,848	0,000	0,000	24,199	0	0	0
9030	-11,849	11,848	0,000	0,000	24,198	0	0	0
9060	-11,850	11,849	0,000	0,000	24,198	0	0	0
9090	-11,850	11,848	0,000	0,000	24,197	0	0	0
9120	-11,849	11,848	0,000	0,000	24,197	0	0	0
9150	-11,849	11,848	0,000	0,000	24,196	0	0	0
9180	-11,850	11,848	0,000	0,000	24,196	0	0	0
9210	-11,849	11,848	0,000	0,000	24,196	0	0	0
9240	-11,849	11,847	0,000	0,000	24,195	0	0	0
9270	-11,849	11,847	0,000	0,000	24,195	0	0	0
9300	-11,849	11,847	0,000	0,000	24,194	0	0	0
9330	-11,849	11,847	0,000	0,000	24,193	0	0	0
9360	-11,849	11,847	0,000	0,000	24,193	0	0	0
9390	-11,849	11,847	0,000	0,000	24,193	0	0	0
9420	-11,848	11,846	0,000	0,000	24,192	0	0	0
9450	-11,848	11,846	0,000	0,000	24,192	0	0	0
9480	-11,848	11,846	0,000	0,000	24,191	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
9510	-11,848	11,846	0,000	0,000	24,191	0	0	0
9540	-11,848	11,846	0,000	0,000	24,190	0	0	0
9570	-11,848	11,846	0,000	0,000	24,189	0	0	0
9600	-11,847	11,846	0,000	0,000	24,189	0	0	0
9630	-11,847	11,846	0,000	0,000	24,189	0	0	0
9660	-11,847	11,845	0,000	0,000	24,188	0	0	0
9690	-11,848	11,846	0,000	0,000	24,188	0	0	0
9720	-11,847	11,845	0,000	0,000	24,187	0	0	0
9750	-11,847	11,845	0,000	0,000	24,187	0	0	0
9780	-11,847	11,845	0,000	0,000	24,186	0	0	0
9810	-11,847	11,845	0,000	0,000	24,185	0	0	0
9840	-11,847	11,845	0,000	0,000	24,185	0	0	0
9870	-11,846	11,845	0,000	0,000	24,185	0	0	0
9900	-11,846	11,845	0,000	0,000	24,184	0	0	0
9930	-11,846	11,844	0,000	0,000	24,183	0	0	0
9960	-11,846	11,844	0,000	0,000	24,183	0	0	0
9990	-11,846	11,844	0,000	0,000	24,182	0	0	0
10020	-11,846	11,844	0,000	0,000	24,182	0	0	0
10050	-11,846	11,844	0,000	0,000	24,182	0	0	0
10080	-11,845	11,844	0,000	0,000	24,181	0	0	0
10110	-11,845	11,843	0,000	0,000	24,181	0	0	0
10140	-11,845	11,843	0,000	0,000	24,180	0	0	0
10170	-11,845	11,843	0,000	0,000	24,180	0	0	0
10200	-11,844	11,843	0,000	0,000	24,179	0	0	0
10230	-11,844	11,843	0,000	0,000	24,179	0	0	0
10260	-11,844	11,842	0,000	0,000	24,178	0	0	0
10290	-11,844	11,842	0,000	0,000	24,177	0	0	0
10320	-11,845	11,843	0,000	0,000	24,177	0	0	0
10350	-11,844	11,843	0,000	0,000	24,176	0	0	0
10380	-11,844	11,842	0,000	0,000	24,176	0	0	0
10410	-11,844	11,842	0,000	0,000	24,175	0	0	0
10440	-11,844	11,842	0,000	0,000	24,175	0	0	0
10470	-11,844	11,842	0,000	0,000	24,175	0	0	0
10500	-11,844	11,842	0,000	0,000	24,174	0	0	0
10530	-11,844	11,841	0,000	0,000	24,173	0	0	0
10560	-11,844	11,840	0,000	0,000	24,173	0	0	0
10590	-11,843	11,842	0,000	0,000	24,173	0	0	0
10620	-11,843	11,842	0,000	0,000	24,172	0	0	0
10650	-11,843	11,841	0,000	0,000	24,172	0	0	0
10680	-11,843	11,841	0,000	0,000	24,171	0	0	0
10710	-11,843	11,841	0,000	0,000	24,170	0	0	0
10740	-11,843	11,841	0,000	0,000	24,170	0	0	0
10770	-11,842	11,840	0,000	0,000	24,169	0	0	0
10800	-11,843	11,841	0,000	0,000	24,169	0	0	0
10830	-11,842	11,840	0,000	0,000	24,168	0	0	0
10860	-11,842	11,840	0,000	0,000	24,168	0	0	0
10890	-11,842	11,840	0,000	0,000	24,167	0	0	0
10920	-11,842	11,840	0,000	0,000	24,167	0	0	0
10950	-11,842	11,840	0,000	0,000	24,166	0	0	0
10980	-11,842	11,840	0,000	0,000	24,166	0	0	0
11010	-11,841	11,840	0,000	0,000	24,165	0	0	0
11040	-11,841	11,840	0,000	0,000	24,165	0	0	0
11070	-11,841	11,839	0,000	0,000	24,164	0	0	0
11100	-11,841	11,839	0,000	0,000	24,164	0	0	0
11130	-11,841	11,839	0,000	0,000	24,163	0	0	0
11160	-11,841	11,839	0,000	0,000	24,163	0	0	0
11190	-11,840	11,839	0,000	0,000	24,162	0	0	0
11220	-11,840	11,839	0,000	0,000	24,162	0	0	0
11250	-11,840	11,839	0,000	0,000	24,161	0	0	0
11280	-11,840	11,838	0,000	0,000	24,160	0	0	0
11310	-11,840	11,838	0,000	0,000	24,160	0	0	0
11340	-11,840	11,838	0,000	0,000	24,159	0	0	0
11370	-11,841	11,842	0,000	0,000	24,159	0	0	0
11400	-11,846	11,845	0,000	0,000	24,158	0	0	0
11430	-11,847	11,846	0,000	0,000	24,158	0	0	0
11460	-11,830	11,829	0,000	0,000	24,157	0	0	0
11490	-11,814	11,813	0,000	0,000	24,157	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
11520	-11,820	11,819	0,000	0,000	24,157	0	0	0
11550	-11,825	11,822	0,000	0,000	24,156	0	0	0
11580	-11,826	11,824	0,000	0,000	24,156	0	0	0
11610	-11,829	11,827	0,000	0,000	24,155	0	0	0
11640	-11,831	11,829	0,000	0,000	24,155	0	0	0
11670	-11,831	11,830	0,000	0,000	24,154	0	0	0
11700	-11,832	11,831	0,000	0,000	24,153	0	0	0
11730	-11,834	11,832	0,000	0,000	24,153	0	0	0
11760	-11,834	11,832	0,000	0,000	24,152	0	0	0
11790	-11,834	11,832	0,000	0,000	24,151	0	0	0
11820	-11,834	11,832	0,000	0,000	24,151	0	0	0
11850	-11,834	11,832	0,000	0,000	24,150	0	0	0
11880	-11,833	11,832	0,000	0,000	24,150	0	0	0
11910	-11,834	11,833	0,000	0,000	24,149	0	0	0
11940	-11,834	11,833	0,000	0,000	24,149	0	0	0
11970	-11,834	11,819	0,000	0,000	24,149	0	0	0
12000	-11,842	11,838	0,000	0,000	24,148	0	0	0
12030	-11,842	11,833	0,000	0,000	24,147	0	0	0
12060	-11,817	11,816	0,000	0,000	24,147	0	0	0
12090	-11,830	11,828	0,000	0,000	24,145	0	0	0
12120	-11,845	11,843	0,000	0,000	24,145	0	0	0
12150	-11,847	11,844	0,000	0,000	24,144	0	0	0
12180	-11,848	11,847	0,000	0,000	24,144	0	0	0
12210	-11,847	11,845	0,000	0,000	24,143	0	0	0
12240	-11,846	11,844	0,000	0,000	24,143	0	0	0
12270	-11,844	11,843	0,000	0,000	24,142	0	0	0
12300	-11,843	11,842	0,000	0,000	24,142	0	0	0
12330	-11,844	11,842	0,000	0,000	24,141	0	0	0
12360	-11,843	11,841	0,000	0,000	24,140	0	0	0
12390	-11,843	11,841	0,000	0,000	24,140	0	0	0
12420	-11,843	11,841	0,000	0,000	24,140	0	0	0
12450	-11,842	11,840	0,000	0,000	24,139	0	0	0
12480	-11,842	11,840	0,000	0,000	24,139	0	0	0
12510	-11,842	11,840	0,000	0,000	24,138	0	0	0
12540	-11,842	11,840	0,000	0,000	24,137	0	0	0
12570	-11,841	11,839	0,000	0,000	24,137	0	0	0
12600	-11,841	11,839	0,000	0,000	24,136	0	0	0
12630	-11,841	11,839	0,000	0,000	24,136	0	0	0
12660	-11,841	11,839	0,000	0,000	24,135	0	0	0
12690	-11,840	11,839	0,000	0,000	24,134	0	0	0
12720	-11,840	11,838	0,000	0,000	24,134	0	0	0
12750	-11,818	11,816	0,000	0,000	24,134	0	0	0
12780	-11,832	11,804	0,000	0,000	24,133	0	0	0
12810	-11,849	11,836	0,000	0,000	24,132	0	0	0
12840	-11,839	11,801	0,000	0,000	24,133	0	0	0
12870	-11,838	11,823	0,000	0,000	24,131	0	0	0
12900	-11,837	11,835	0,000	0,000	24,131	0	0	0
12930	-11,840	11,838	0,000	0,000	24,130	0	0	0
12960	-11,841	11,839	0,000	0,000	24,129	0	0	0
12990	-11,842	11,840	0,000	0,000	24,129	0	0	0
13020	-11,842	11,840	0,000	0,000	24,128	0	0	0
13050	-11,842	11,840	0,000	0,000	24,128	0	0	0
13080	-11,842	11,840	0,000	0,000	24,127	0	0	0
13110	-11,842	11,840	0,000	0,000	24,126	0	0	0
13140	-11,842	11,840	0,000	0,000	24,126	0	0	0
13170	-11,841	11,840	0,000	0,000	24,125	0	0	0
13200	-11,806	11,799	0,000	0,000	24,126	0	0	0
13230	-11,812	11,820	0,000	0,000	24,125	0	0	0
13260	-11,756	11,840	0,000	0,000	24,125	0	0	0
13290	-11,830	11,828	0,000	0,000	24,123	0	0	0
13320	-11,831	11,829	0,000	0,000	24,123	0	0	0
13350	-11,832	11,830	0,000	0,000	24,122	0	0	0
13380	-11,832	11,830	0,000	0,000	24,121	0	0	0
13410	-11,832	11,830	0,000	0,000	24,121	0	0	0
13440	-11,831	11,830	0,000	0,000	24,120	0	0	0
13470	-11,831	11,829	0,000	0,000	24,120	0	0	0
13500	-11,831	11,829	0,000	0,000	24,119	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
13530	-11,831	11,829	0,000	0,000	24,119	0	0	0
13560	-11,830	11,828	0,000	0,000	24,118	0	0	0
13590	-11,829	11,828	0,000	0,000	24,118	0	0	0
13620	-11,830	11,828	0,000	0,000	24,117	0	0	0
13650	-11,829	11,828	0,000	0,000	24,116	0	0	0
13680	-11,829	11,828	0,000	0,000	24,116	0	0	0
13710	-11,829	11,827	0,000	0,000	24,115	0	0	0
13740	-11,829	11,828	0,000	0,000	24,114	0	0	0
13770	-11,829	11,827	0,000	0,000	24,114	0	0	0
13800	-11,829	11,827	0,000	0,000	24,113	0	0	0
13830	-11,828	11,827	0,000	0,000	24,113	0	0	0
13860	-11,828	11,827	0,000	0,000	24,112	0	0	0
13890	-11,828	11,827	0,000	0,000	24,112	0	0	0
13920	-11,828	11,826	0,000	0,000	24,111	0	0	0
13950	-11,829	11,827	0,000	0,000	24,110	0	0	0
13980	-11,829	11,827	0,000	0,000	24,110	0	0	0
14010	-11,828	11,827	0,000	0,000	24,109	0	0	0
14040	-11,828	11,827	0,000	0,000	24,109	0	0	0
14070	-11,828	11,827	0,000	0,000	24,108	0	0	0
14100	-11,828	11,826	0,000	0,000	24,107	0	0	0
14130	-11,828	11,826	0,000	0,000	24,107	0	0	0
14160	-11,828	11,826	0,000	0,000	24,106	0	0	0
14190	-11,827	11,826	0,000	0,000	24,106	0	0	0
14220	-11,828	11,826	0,000	0,000	24,105	0	0	0
14250	-11,827	11,825	0,000	0,000	24,104	0	0	0
14280	-11,827	11,825	0,000	0,000	24,104	0	0	0
14310	-11,826	11,825	0,000	0,000	24,103	0	0	0
14340	-11,826	11,825	0,000	0,000	24,102	0	0	0
14370	-11,826	11,824	0,000	0,000	24,102	0	0	0
14400	-11,827	11,825	0,000	0,000	24,101	0	0	0
14430	-11,827	11,825	0,000	0,000	24,101	0	0	0
14460	-11,826	11,824	0,000	0,000	24,100	0	0	0
14490	-11,826	11,792	0,000	0,000	24,101	0	0	0
14520	-11,822	11,826	0,000	0,000	24,099	0	0	0
14550	-11,800	11,827	0,000	0,000	24,099	0	0	0
14580	-11,809	11,828	0,000	0,000	24,098	0	0	0
14610	-11,835	11,769	0,000	0,000	24,097	0	0	0
14640	-11,823	11,821	0,000	0,000	24,097	0	0	0
14670	-11,823	11,821	0,000	0,000	24,096	0	0	0
14700	-11,823	11,821	0,000	0,000	24,095	0	0	0
14730	-11,823	11,821	0,000	0,000	24,095	0	0	0
14760	-11,822	11,820	0,000	0,000	24,094	0	0	0
14790	-11,822	11,820	0,000	0,000	24,094	0	0	0
14820	-11,821	11,819	0,000	0,000	24,093	0	0	0
14850	-11,821	11,819	0,000	0,000	24,092	0	0	0
14880	-11,821	11,819	0,000	0,000	24,091	0	0	0
14910	-11,821	11,819	0,000	0,000	24,091	0	0	0
14940	-11,821	11,819	0,000	0,000	24,090	0	0	0
14970	-11,820	11,818	0,000	0,000	24,090	0	0	0
15000	-11,820	11,819	0,000	0,000	24,089	0	0	0
15030	-11,820	11,818	0,000	0,000	24,088	0	0	0
15060	-11,820	11,818	0,000	0,000	24,088	0	0	0
15090	-11,820	11,818	0,000	0,000	24,087	0	0	0
15120	-11,819	11,817	0,000	0,000	24,086	0	0	0
15150	-11,819	11,817	0,000	0,000	24,086	0	0	0
15180	-11,819	11,817	0,000	0,000	24,085	0	0	0
15210	-11,819	11,817	0,000	0,000	24,085	0	0	0
15240	-11,819	11,817	0,000	0,000	24,084	0	0	0
15270	-11,819	11,817	0,000	0,000	24,083	0	0	0
15300	-11,819	11,817	0,000	0,000	24,083	0	0	0
15330	-11,819	11,817	0,000	0,000	24,082	0	0	0
15360	-11,818	11,816	0,000	0,000	24,081	0	0	0
15390	-11,818	11,816	0,000	0,000	24,081	0	0	0
15420	-11,818	11,816	0,000	0,000	24,080	0	0	0
15450	-11,829	11,800	0,000	0,000	24,080	0	0	0
15480	-11,835	11,820	0,000	0,000	24,080	0	0	0

EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
15510	-11,818	11,805	0,000	0,000	24,079	0	0	0
15540	-11,810	11,808	0,000	0,000	24,078	0	0	0
15570	-11,813	11,812	0,000	0,000	24,077	0	0	0
15600	-11,814	11,813	0,000	0,000	24,076	0	0	0
15630	-11,814	11,812	0,000	0,000	24,076	0	0	0
15660	-11,814	11,812	0,000	0,000	24,075	0	0	0
15690	-11,814	11,812	0,000	0,000	24,074	0	0	0
15720	-11,815	11,813	0,000	0,000	24,074	0	0	0
15750	-11,814	11,813	0,000	0,000	24,073	0	0	0
15780	-11,814	11,812	0,000	0,000	24,073	0	0	0
15810	-11,814	11,812	0,000	0,000	24,072	0	0	0
15840	-11,814	11,812	0,000	0,000	24,071	0	0	0
15870	-11,814	11,812	0,000	0,000	24,070	0	0	0
15900	-11,814	11,812	0,000	0,000	24,070	0	0	0
15930	-11,814	11,812	0,000	0,000	24,069	0	0	0
15960	-11,813	11,812	0,000	0,000	24,068	0	0	0
15990	-11,814	11,812	0,000	0,000	24,068	0	0	0
16020	-11,813	11,812	0,000	0,000	24,067	0	0	0
16050	-11,813	11,811	0,000	0,000	24,066	0	0	0
16080	-11,813	11,811	0,000	0,000	24,066	0	0	0
16110	-11,813	11,811	0,000	0,000	24,065	0	0	0
16140	-11,813	11,811	0,000	0,000	24,065	0	0	0
16170	-11,813	11,811	0,000	0,000	24,064	0	0	0
16200	-11,812	11,811	0,000	0,000	24,063	0	0	0
16230	-11,813	11,811	0,000	0,000	24,062	0	0	0
16260	-11,812	11,811	0,000	0,000	24,062	0	0	0
16290	-11,812	11,810	0,000	0,000	24,061	0	0	0
16320	-11,812	11,810	0,000	0,000	24,060	0	0	0
16350	-11,812	11,810	0,000	0,000	24,060	0	0	0
16380	-11,812	11,810	0,000	0,000	24,059	0	0	0
16410	-11,812	11,810	0,000	0,000	24,058	0	0	0
16440	-11,812	11,810	0,000	0,000	24,058	0	0	0
16470	-11,811	11,809	0,000	0,000	24,057	0	0	0
16500	-11,811	11,809	0,000	0,000	24,056	0	0	0
16530	-11,810	11,809	0,000	0,000	24,056	0	0	0
16560	-11,810	11,809	0,000	0,000	24,055	0	0	0
16590	-11,810	11,808	0,000	0,000	24,054	0	0	0
16620	-11,810	11,808	0,000	0,000	24,054	0	0	0
16650	-11,810	11,808	0,000	0,000	24,053	0	0	0
16680	-11,809	11,808	0,000	0,000	24,052	0	0	0
16710	-11,810	11,808	0,000	0,000	24,052	0	0	0
16740	-11,810	11,808	0,000	0,000	24,051	0	0	0
16770	-11,809	11,808	0,000	0,000	24,050	0	0	0
16800	-11,809	11,808	0,000	0,000	24,050	0	0	0
16830	-11,809	11,807	0,000	0,000	24,049	0	0	0
16860	-11,809	11,807	0,000	0,000	24,048	0	0	0
16890	-11,809	11,807	0,000	0,000	24,048	0	0	0
16920	-11,809	11,807	0,000	0,000	24,047	0	0	0
16950	-11,808	11,807	0,000	0,000	24,046	0	0	0
16980	-11,808	11,806	0,000	0,000	24,046	0	0	0
17010	-11,792	11,800	0,000	0,000	24,045	0	0	0
17040	-11,805	11,789	0,000	0,000	24,045	0	0	0
17070	-11,801	11,799	0,000	0,000	24,044	0	0	0
17100	-11,803	11,801	0,000	0,000	24,043	0	0	0
17130	-11,803	11,801	0,000	0,000	24,042	0	0	0
17160	-11,804	11,802	0,000	0,000	24,041	0	0	0
17190	-11,804	11,802	0,000	0,000	24,041	0	0	0
17220	-11,804	11,802	0,000	0,000	24,040	0	0	0
17250	-11,804	11,802	0,000	0,000	24,039	0	0	0
17280	-11,804	11,802	0,000	0,000	24,039	0	0	0
17310	-11,804	11,802	0,000	0,000	24,038	0	0	0
17340	-11,804	11,802	0,000	0,000	24,037	0	0	0
17370	-11,804	11,802	0,000	0,000	24,036	0	0	0
17400	-11,804	11,802	0,000	0,000	24,036	0	0	0
17430	-11,804	11,802	0,000	0,000	24,035	0	0	0
17460	-11,804	11,802	0,000	0,000	24,035	0	0	0
17490	-11,804	11,802	0,000	0,000	24,034	0	0	0

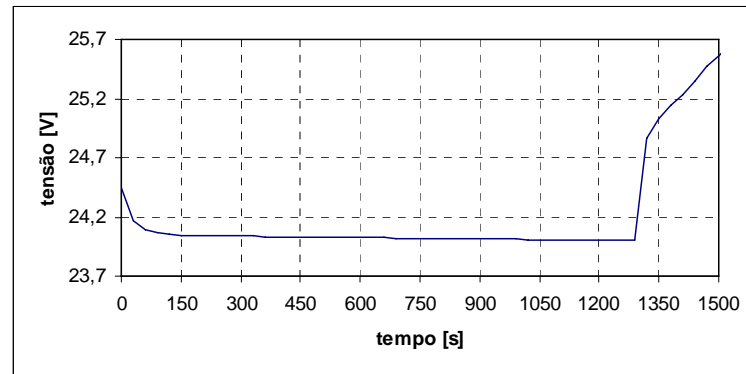
EXPERIMENTO 45 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
17520	-11,803	11,802	0,000	0,000	24,033	0	0	0
17550	-11,804	11,802	0,000	0,000	24,032	0	0	0
17580	-11,803	11,801	0,000	0,000	24,032	0	0	0
17610	-11,803	11,801	0,000	0,000	24,031	0	0	0
17640	-11,803	11,801	0,000	0,000	24,030	0	0	0
17670	-11,803	11,801	0,000	0,000	24,030	0	0	0
17700	-11,804	11,802	0,000	0,000	24,029	0	0	0
17730	-11,804	11,802	0,000	0,000	24,028	0	0	0
17760	-11,803	11,801	0,000	0,000	24,027	0	0	0
17790	-11,803	11,801	0,000	0,000	24,027	0	0	0
17820	-11,803	11,801	0,000	0,000	24,026	0	0	0
17850	-11,802	11,801	0,000	0,000	24,025	0	0	0
17880	-11,802	11,800	0,000	0,000	24,025	0	0	0
17910	-11,802	11,800	0,000	0,000	24,024	0	0	0
17940	-11,802	11,800	0,000	0,000	24,023	0	0	0
17970	-11,801	11,800	0,000	0,000	24,023	0	0	0
18000	-11,801	11,799	0,000	0,000	24,022	0	0	0
18030	-11,801	11,799	0,000	0,000	24,021	0	0	0
18060	-11,801	11,799	0,000	0,000	24,021	0	0	0
18090	-11,800	11,799	0,000	0,000	24,020	0	0	0
18120	-11,801	11,799	0,000	0,000	24,019	0	0	0
18150	-11,800	11,799	0,000	0,000	24,018	0	0	0
18180	-11,800	11,799	0,000	0,000	24,018	0	0	0
18210	-11,793	11,791	0,000	0,000	24,017	0	0	0
18240	-11,804	11,802	0,000	0,000	24,016	0	0	0
18270	-11,804	11,802	0,000	0,000	24,015	0	0	0
18300	-11,803	11,802	0,000	0,000	24,014	0	0	0
18330	-11,802	11,801	0,000	0,000	24,014	0	0	0
18360	-11,802	11,800	0,000	0,000	24,013	0	0	0
18390	-11,802	11,800	0,000	0,000	24,013	0	0	0
18420	-11,801	11,799	0,000	0,000	24,011	0	0	0
18450	-11,801	11,799	0,000	0,000	24,011	0	0	0
18480	-11,801	11,799	0,000	0,000	24,010	0	0	0
18510	-11,800	11,799	0,000	0,000	24,009	0	0	0
18540	-11,800	11,798	0,000	0,000	24,009	0	0	0
18570	-11,800	11,798	0,000	0,000	24,008	0	0	0
18600	-11,800	11,798	0,000	0,000	24,007	0	0	0
18630	-11,800	11,798	0,000	0,000	24,007	0	0	0
18660	-11,800	11,798	0,000	0,000	24,006	0	0	0
18690	-11,800	11,798	0,000	0,000	24,005	0	0	0
18720	-11,800	11,798	0,000	0,000	24,004	0	0	0
18750	-11,800	11,798	0,000	0,000	24,004	0	0	0
18780	-11,800	11,798	0,000	0,000	24,003	0	0	0
18810	-11,799	11,797	0,000	0,000	24,002	0	0	0
18840	-11,800	11,798	0,000	0,000	24,001	0	0	0
18870	-11,799	11,797	0,000	0,000	24,001	0	0	0
18900	-11,799	11,797	0,000	0,000	24,000	0	0	0
18930	-11,799	11,797	0,000	0,000	23,999	0	0	0
18960	0,000	0,000	0,000	0,000	24,515	0	0	0
18990	0,000	0,000	0,000	0,000	24,576	0	0	0
19020	0,000	0,000	0,000	0,000	24,610	0	0	0
19050	0,000	0,000	0,000	0,000	24,633	0	0	0
19080	0,000	0,000	0,000	0,000	24,651	0	0	0
19110	0,000	0,000	0,000	0,000	24,665	0	0	0
19140	0,000	0,000	0,000	0,000	24,676	0	0	0
19170	0,000	0,000	0,000	0,000	24,686	0	0	0
19200	0,000	0,000	0,000	0,000	24,694	0	0	0
19230	0,000	0,000	0,000	0,000	24,701	0	0	0
19260	0,000	0,000	0,000	0,000	24,708	0	0	0
19290	0,000	0,000	0,000	0,000	24,714	0	0	0
19320	0,000	0,000	0,000	0,000	24,719	0	0	0
19350	0,000	0,000	0,000	0,000	24,724	0	0	0
19380	0,000	0,000	0,000	0,000	24,729	0	0	0
19410	0,000	0,000	0,000	0,000	24,733	0	0	0
19440	0,000	0,000	0,000	0,000	24,738	0	0	0
19470	0,000	0,000	0,000	0,000	24,741	0	0	0
19500	0,000	0,000	0,000	0,000	24,745	0	0	0

EXPERIMENTO 45 (continuação)

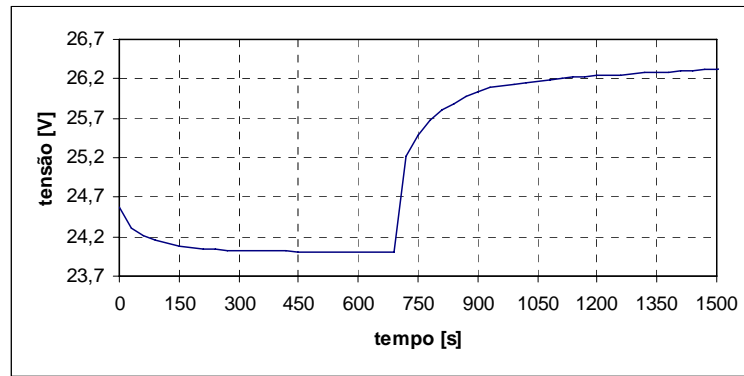
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
19530	0,000	0,000	0,000	0,000	24,749	0	0	0
19560	0,000	0,000	0,000	0,000	24,752	0	0	0
19590	0,000	0,000	0,000	0,000	24,755	0	0	0
19620	0,000	0,000	0,000	0,000	24,758	0	0	0
19650	0,000	0,000	0,000	0,000	24,761	0	0	0
19680	0,000	0,000	0,000	0,000	24,763	0	0	0
19710	0,000	0,000	0,000	0,000	24,766	0	0	0
19740	0,000	0,000	0,000	0,000	24,769	0	0	0
19770	0,000	0,000	0,000	0,000	24,771	0	0	0
19800	0,000	0,000	0,000	0,000	24,773	0	0	0
19830	0,000	0,000	0,000	0,000	24,776	0	0	0
19860	0,000	0,000	0,000	0,000	24,778	0	0	0
19890	0,000	0,000	0,000	0,000	24,780	0	0	0
19920	0,000	0,000	0,000	0,000	24,782	0	0	0
19950	0,000	0,000	0,000	0,000	24,784	0	0	0
19980	0,000	0,000	0,000	0,000	24,787	0	0	0

EXPERIMENTO 45 (continuação)



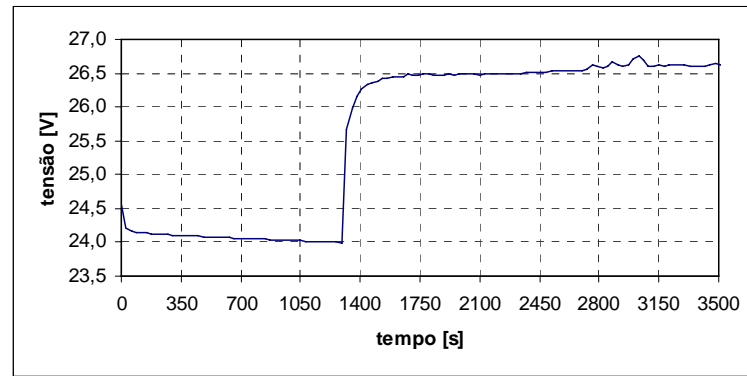
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	24,858	0	0	0
0	-12,880	12,432	0,000	0,000	24,450	0	0	0
30	-12,012	12,006	0,000	0,000	24,168	0	0	0
60	-11,928	11,925	0,000	0,000	24,095	0	0	0
90	-11,898	11,896	0,000	0,000	24,064	0	0	0
120	-11,884	11,882	0,000	0,000	24,050	0	0	0
150	-11,877	11,875	0,000	0,000	24,045	0	0	0
180	-11,872	11,870	0,000	0,000	24,042	0	0	0
210	-11,867	11,866	0,000	0,000	24,040	0	0	0
240	-11,864	11,862	0,000	0,000	24,039	0	0	0
270	-11,861	11,859	0,000	0,000	24,038	0	0	0
300	-11,858	11,856	0,000	0,000	24,037	0	0	0
330	-11,855	11,854	0,000	0,000	24,036	0	0	0
360	-11,853	11,851	0,000	0,000	24,035	0	0	0
390	-11,851	11,849	0,000	0,000	24,034	0	0	0
420	-11,849	11,847	0,000	0,000	24,033	0	0	0
450	-11,847	11,845	0,000	0,000	24,032	0	0	0
480	-11,845	11,843	0,000	0,000	24,030	0	0	0
510	-11,844	11,842	0,000	0,000	24,030	0	0	0
540	-11,842	11,840	0,000	0,000	24,028	0	0	0
570	-11,841	11,839	0,000	0,000	24,027	0	0	0
600	-11,839	11,838	0,000	0,000	24,026	0	0	0
630	-11,838	11,836	0,000	0,000	24,025	0	0	0
660	-11,837	11,835	0,000	0,000	24,023	0	0	0
690	-11,836	11,834	0,000	0,000	24,022	0	0	0
720	-11,835	11,833	0,000	0,000	24,021	0	0	0
750	-11,834	11,832	0,000	0,000	24,020	0	0	0
780	-11,833	11,831	0,000	0,000	24,019	0	0	0
810	-11,832	11,830	0,000	0,000	24,018	0	0	0
840	-11,831	11,830	0,000	0,000	24,016	0	0	0
870	-11,830	11,828	0,000	0,000	24,015	0	0	0
900	-11,830	11,828	0,000	0,000	24,014	0	0	0
930	-11,829	11,827	0,000	0,000	24,013	0	0	0
960	-11,828	11,827	0,000	0,000	24,012	0	0	0
990	-11,828	11,826	0,000	0,000	24,011	0	0	0
1020	-11,827	11,825	0,000	0,000	24,009	0	0	0
1050	-11,826	11,825	0,000	0,000	24,008	0	0	0
1080	-11,826	11,824	0,000	0,000	24,007	0	0	0
1110	-11,825	11,823	0,000	0,000	24,006	0	0	0
1140	-11,825	11,823	0,000	0,000	24,005	0	0	0
1170	-11,824	11,822	0,000	0,000	24,004	0	0	0
1200	-11,824	11,822	0,000	0,000	24,003	0	0	0
1230	-11,823	11,822	0,000	0,000	24,001	0	0	0
1260	-11,822	11,821	0,000	0,000	24,000	0	0	0
1290	-11,822	11,820	0,000	0,000	23,999	0	0	0
1320	6,775	0,000	0,000	6,789	24,863	0	0	0
1350	6,815	0,000	0,000	6,800	25,030	0	0	0
1380	6,551	0,000	0,000	6,513	25,139	0	0	0
1410	6,565	0,000	0,000	6,566	25,231	0	0	0
1440	7,345	0,000	0,000	7,419	25,346	0	0	0
1470	8,280	0,000	0,000	8,177	25,478	0	0	0
1500	8,131	0,000	0,000	8,176	25,561	0	0	0

EXPERIMENTO 46



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	24,939	0	0	0
0	-12,918	12,442	0,000	0,000	24,569	0	0	0
30	-12,032	12,026	0,000	0,000	24,310	0	0	0
60	-11,945	11,941	0,000	0,000	24,221	0	0	0
90	-11,906	11,904	0,000	0,000	24,158	0	0	0
120	-11,884	11,882	0,000	0,000	24,113	0	0	0
150	-11,870	11,868	0,000	0,000	24,083	0	0	0
180	-11,860	11,858	0,000	0,000	24,062	0	0	0
210	-11,853	11,851	0,000	0,000	24,048	0	0	0
240	-11,847	11,846	0,000	0,000	24,038	0	0	0
270	-11,843	11,840	0,000	0,000	24,032	0	0	0
300	-11,838	11,836	0,000	0,000	24,027	0	0	0
330	-11,833	11,831	0,000	0,000	24,023	0	0	0
360	-11,827	11,825	0,000	0,000	24,020	0	0	0
390	-11,814	11,811	0,000	0,000	24,017	0	0	0
420	-11,799	11,796	0,000	0,000	24,015	0	0	0
450	-11,784	11,781	0,000	0,000	24,013	0	0	0
480	-11,772	11,773	0,000	0,000	24,012	0	0	0
510	-11,777	11,776	0,000	0,000	24,010	0	0	0
540	-11,773	11,769	0,000	0,000	24,008	0	0	0
570	-11,794	11,792	0,000	0,000	24,005	0	0	0
600	-11,794	11,792	0,000	0,000	24,004	0	0	0
630	-11,793	11,792	0,000	0,000	24,002	0	0	0
660	-11,793	11,791	0,000	0,000	24,001	0	0	0
690	-11,793	11,791	0,000	0,000	23,999	0	0	0
720	13,782	0,002	12,967	0,000	25,221	0	0	0
750	13,701	0,000	12,986	0,000	25,489	0	0	0
780	12,205	-0,001	12,495	0,000	25,672	0	0	0
810	12,256	0,002	11,435	0,000	25,802	0	0	0
840	11,584	0,000	11,874	0,000	25,890	0	0	0
870	11,611	-0,001	11,585	0,000	25,977	0	0	0
900	11,298	-0,002	11,920	0,000	26,027	0	0	0
930	11,919	0,000	11,423	0,000	26,084	0	0	0
960	12,040	0,000	11,516	0,000	26,103	0	0	0
990	11,724	0,000	11,197	0,000	26,127	0	0	0
1020	11,010	-0,001	11,529	0,000	26,155	0	0	0
1050	10,589	0,000	11,557	0,000	26,172	0	0	0
1080	10,481	0,000	11,563	0,000	26,187	0	0	0
1110	11,725	0,000	10,977	0,000	26,206	0	0	0
1140	10,686	0,000	10,282	0,000	26,221	0	0	0
1170	11,436	0,002	10,865	0,000	26,233	0	0	0
1200	11,519	-0,002	10,987	0,000	26,243	0	0	0
1230	10,613	0,001	10,333	0,000	26,251	0	0	0
1260	10,938	0,000	10,182	0,000	26,253	0	0	0
1290	11,061	0,001	10,301	0,000	26,267	0	0	0
1320	11,064	0,001	10,213	0,000	26,273	0	0	0
1350	10,882	0,001	10,819	0,000	26,287	0	0	0
1380	11,167	-0,001	11,121	0,000	26,291	0	0	0
1410	10,680	-0,001	11,118	0,000	26,304	0	0	0
1440	11,057	-0,001	11,093	0,000	26,309	0	0	0
1470	11,058	0,000	10,416	0,000	26,315	0	0	0
1500	10,706	0,001	10,329	0,000	26,312	0	0	0

EXPERIMENTO 47

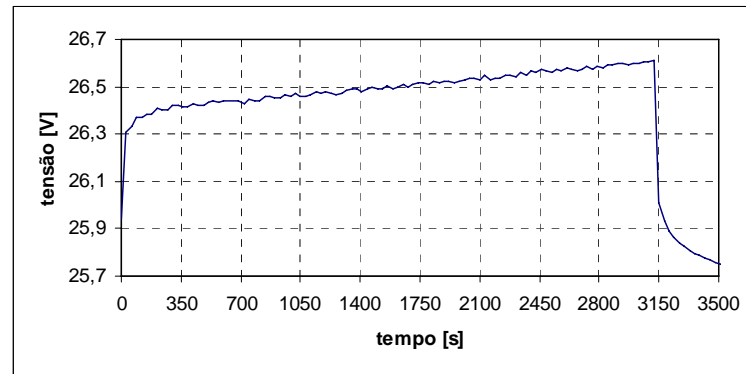


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,002	0	0	0
0	-12,951	12,483	0,000	0,000	24,568	0	0	0
30	-11,978	11,975	0,000	0,000	24,216	0	0	0
60	-11,932	11,929	0,000	0,000	24,166	0	0	0
90	-11,916	11,914	0,000	0,000	24,149	0	0	0
120	-11,907	11,905	0,000	0,000	24,140	0	0	0
150	-11,900	11,898	0,000	0,000	24,132	0	0	0
180	-11,894	11,892	0,000	0,000	24,127	0	0	0
210	-11,889	11,887	0,000	0,000	24,121	0	0	0
240	-11,885	11,883	0,000	0,000	24,117	0	0	0
270	-11,882	11,879	0,000	0,000	24,112	0	0	0
300	-11,878	11,876	0,000	0,000	24,107	0	0	0
330	-11,875	11,874	0,000	0,000	24,103	0	0	0
360	-11,873	11,871	0,000	0,000	24,099	0	0	0
390	-11,871	11,869	0,000	0,000	24,096	0	0	0
420	-11,868	11,867	0,000	0,000	24,092	0	0	0
450	-11,867	11,865	0,000	0,000	24,088	0	0	0
480	-11,865	11,863	0,000	0,000	24,085	0	0	0
510	-11,864	11,862	0,000	0,000	24,081	0	0	0
540	-11,862	11,861	0,000	0,000	24,078	0	0	0
570	-11,861	11,859	0,000	0,000	24,075	0	0	0
600	-11,860	11,857	0,000	0,000	24,071	0	0	0
630	-11,858	11,856	0,000	0,000	24,068	0	0	0
660	-11,857	11,855	0,000	0,000	24,064	0	0	0
690	-11,856	11,854	0,000	0,000	24,061	0	0	0
720	-11,854	11,853	0,000	0,000	24,057	0	0	0
750	-11,853	11,852	0,000	0,000	24,054	0	0	0
780	-11,852	11,850	0,000	0,000	24,050	0	0	0
810	-11,851	11,849	0,000	0,000	24,047	0	0	0
840	-11,850	11,849	0,000	0,000	24,044	0	0	0
870	-11,849	11,847	0,000	0,000	24,041	0	0	0
900	-11,848	11,846	0,000	0,000	24,037	0	0	0
930	-11,847	11,845	0,000	0,000	24,034	0	0	0
960	-11,846	11,844	0,000	0,000	24,031	0	0	0
990	-11,845	11,843	0,000	0,000	24,028	0	0	0
1020	-11,844	11,842	0,000	0,000	24,025	0	0	0
1050	-11,843	11,841	0,000	0,000	24,022	0	0	0
1080	-11,842	11,840	0,000	0,000	24,018	0	0	0
1110	-11,842	11,840	0,000	0,000	24,015	0	0	0
1140	-11,840	11,839	0,000	0,000	24,012	0	0	0
1170	-11,839	11,838	0,000	0,000	24,009	0	0	0
1200	-11,838	11,837	0,000	0,000	24,006	0	0	0
1230	-11,838	11,836	0,000	0,000	24,003	0	0	0
1260	-11,837	11,835	0,000	0,000	24,000	0	0	0
1290	-11,836	11,834	0,000	0,000	23,997	0	0	0
1320	14,571	0,000	12,507	2,067	25,669	0	0	0
1350	13,038	0,000	11,490	2,076	25,992	0	0	0
1380	12,545	0,001	10,612	2,090	26,165	0	0	0
1410	13,257	0,000	11,082	2,103	26,258	0	0	0
1440	13,049	-0,001	10,244	2,117	26,331	0	0	0
1470	11,968	0,000	10,241	2,128	26,360	0	0	0
1500	12,250	0,000	10,371	2,142	26,386	0	0	0

EXPERIMENTO 48

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	12,544	-0,001	10,337	2,158	26,420	0	0	0
1560	12,551	0,000	10,120	2,177	26,434	0	0	0
1590	12,933	0,000	9,942	2,194	26,442	0	0	0
1620	12,654	0,000	10,706	2,211	26,456	0	0	0
1650	12,498	0,000	10,435	2,227	26,457	0	0	0
1680	12,130	0,000	9,512	2,243	26,480	0	0	0
1710	11,796	-0,001	9,567	2,259	26,467	0	0	0
1740	11,943	0,000	9,926	2,276	26,467	0	0	0
1770	12,233	0,000	9,233	2,293	26,480	0	0	0
1800	11,768	-0,001	9,951	2,309	26,483	0	0	0
1830	11,961	0,001	9,544	2,326	26,477	0	0	0
1860	11,866	0,001	10,302	2,345	26,475	0	0	0
1890	12,466	0,000	9,555	2,365	26,479	0	0	0
1920	12,762	0,000	9,310	2,387	26,484	0	0	0
1950	12,059	0,000	10,379	2,415	26,478	0	0	0
1980	12,245	0,000	10,305	2,448	26,482	0	0	0
2010	11,937	0,000	9,626	2,481	26,494	0	0	0
2040	11,934	0,000	9,932	2,513	26,483	0	0	0
2070	12,845	0,000	9,705	2,548	26,491	0	0	0
2100	12,423	0,000	9,843	2,582	26,477	0	0	0
2130	12,624	0,001	9,288	2,623	26,493	0	0	0
2160	11,750	0,000	9,802	2,662	26,494	0	0	0
2190	12,539	0,000	9,345	2,701	26,495	0	0	0
2220	12,601	0,000	9,305	2,747	26,499	0	0	0
2250	12,102	-0,001	9,745	2,793	26,494	0	0	0
2280	11,914	0,000	9,210	2,849	26,500	0	0	0
2310	12,265	-0,001	9,907	2,913	26,494	0	0	0
2340	13,240	-0,001	9,501	2,988	26,491	0	0	0
2370	11,965	0,000	9,949	3,059	26,516	0	0	0
2400	12,675	0,000	9,601	3,158	26,516	0	0	0
2430	12,619	0,000	8,832	3,419	26,510	0	0	0
2460	12,650	0,000	9,539	3,381	26,517	0	0	0
2490	13,047	0,001	8,707	3,467	26,520	0	0	0
2520	12,500	0,000	9,009	3,577	26,529	0	0	0
2550	13,780	-0,001	9,328	3,806	26,539	0	0	0
2580	13,027	0,000	9,448	3,568	26,538	0	0	0
2610	12,404	-0,001	9,286	3,580	26,536	0	0	0
2640	12,910	0,002	9,128	3,636	26,540	0	0	0
2670	13,055	0,001	8,825	3,726	26,537	0	0	0
2700	13,219	-0,001	9,319	3,875	26,538	0	0	0
2730	13,334	0,000	9,055	4,137	26,546	0	0	0
2760	14,661	-0,001	9,388	5,844	26,616	0	0	0
2790	14,268	-0,001	8,716	5,298	26,593	0	0	0
2820	14,506	0,000	8,555	4,858	26,583	0	0	0
2850	14,460	0,000	8,952	5,286	26,602	0	0	0
2880	14,959	0,000	8,251	6,596	26,660	0	0	0
2910	14,039	-0,001	9,394	5,387	26,615	0	0	0
2940	13,957	0,001	7,725	5,452	26,606	0	0	0
2970	14,488	0,000	8,960	6,051	26,632	0	0	0
3000	15,451	0,000	8,191	8,511	26,718	0	0	0
3030	16,811	0,001	6,627	9,227	26,748	0	0	0
3060	14,942	0,000	7,613	6,975	26,683	0	0	0
3090	14,225	-0,001	9,068	5,352	26,610	0	0	0
3120	14,092	0,000	9,062	5,127	26,607	0	0	0
3150	14,384	0,001	8,644	5,462	26,621	0	0	0
3180	13,962	0,000	8,191	5,081	26,600	0	0	0
3210	13,186	0,000	8,784	5,043	26,614	0	0	0
3240	13,685	0,001	8,237	5,362	26,630	0	0	0
3270	13,719	0,000	8,270	5,155	26,619	0	0	0
3300	14,279	0,000	8,528	5,626	26,626	0	0	0
3330	14,095	-0,001	9,083	4,976	26,612	0	0	0
3360	13,826	-0,001	8,660	4,890	26,603	0	0	0
3390	13,132	0,000	8,291	4,889	26,607	0	0	0
3420	13,892	0,000	8,748	5,017	26,605	0	0	0
3450	13,560	-0,001	9,199	5,292	26,632	0	0	0
3480	13,866	0,000	8,147	5,400	26,636	0	0	0

EXPERIMENTO 48 (continuação)

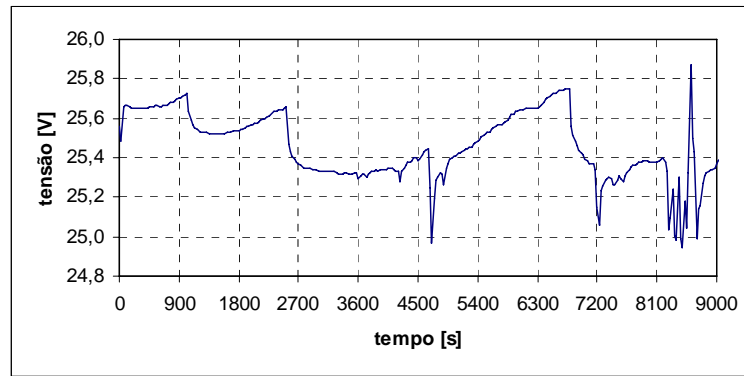


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,549	0	0	0
0	12,046	-0,001	11,998	0,000	25,942	0	0	0
30	10,705	0,001	10,554	0,000	26,308	0	0	0
60	10,384	0,001	10,327	0,000	26,335	0	0	0
90	10,275	-0,001	10,338	0,000	26,370	0	0	0
120	10,464	0,001	9,695	0,000	26,373	0	0	0
150	10,342	0,000	10,490	0,000	26,386	0	0	0
180	10,250	0,000	10,321	0,000	26,386	0	0	0
210	10,267	-0,001	10,517	0,000	26,409	0	0	0
240	9,734	-0,001	10,632	0,000	26,400	0	0	0
270	10,453	-0,001	10,046	0,000	26,402	0	0	0
300	10,402	-0,001	10,345	0,000	26,420	0	0	0
330	10,735	0,000	9,863	0,000	26,423	0	0	0
360	10,479	0,001	10,100	0,000	26,414	0	0	0
390	10,323	0,001	10,236	0,000	26,418	0	0	0
420	9,908	0,000	9,671	0,000	26,427	0	0	0
450	10,289	0,000	10,117	0,000	26,424	0	0	0
480	10,626	0,002	9,513	0,000	26,424	0	0	0
510	10,746	0,001	10,062	0,000	26,433	0	0	0
540	9,448	-0,001	10,070	0,000	26,438	0	0	0
570	9,977	0,000	9,673	0,000	26,435	0	0	0
600	10,560	0,000	9,766	0,000	26,439	0	0	0
630	9,958	0,001	9,433	0,000	26,439	0	0	0
660	9,829	0,000	9,409	0,000	26,440	0	0	0
690	10,564	0,000	10,111	0,000	26,438	0	0	0
720	9,793	0,000	9,733	0,000	26,428	0	0	0
750	10,145	0,000	9,514	0,000	26,450	0	0	0
780	10,519	0,000	10,013	0,000	26,439	0	0	0
810	9,981	-0,001	10,213	0,000	26,443	0	0	0
840	9,483	-0,002	9,869	0,000	26,457	0	0	0
870	9,956	-0,001	10,363	0,000	26,459	0	0	0
900	9,168	-0,001	9,859	0,000	26,455	0	0	0
930	9,400	0,000	9,428	0,000	26,456	0	0	0
960	9,979	0,001	9,558	0,000	26,463	0	0	0
990	9,841	0,002	9,410	0,000	26,460	0	0	0
1020	9,311	-0,001	9,751	0,000	26,469	0	0	0
1050	9,115	-0,001	9,934	0,000	26,458	0	0	0
1080	9,684	0,000	9,186	0,000	26,460	0	0	0
1110	9,808	0,001	9,600	0,000	26,463	0	0	0
1140	9,708	0,000	9,656	0,000	26,477	0	0	0
1170	9,467	0,000	10,360	0,000	26,473	0	0	0
1200	9,241	-0,001	9,716	0,000	26,476	0	0	0
1230	9,083	0,001	9,674	0,000	26,472	0	0	0
1260	10,113	0,000	9,605	0,000	26,467	0	0	0
1290	9,738	0,000	10,172	0,000	26,471	0	0	0
1320	9,658	0,000	9,754	0,000	26,485	0	0	0
1350	9,675	0,000	9,511	0,000	26,491	0	0	0
1380	9,803	-0,002	10,117	0,000	26,494	0	0	0
1410	9,503	0,000	9,752	0,000	26,481	0	0	0
1440	10,071	-0,001	9,637	0,000	26,493	0	0	0
1470	10,118	0,002	9,421	0,000	26,495	0	0	0
1500	9,388	0,001	9,154	0,000	26,488	0	0	0

EXPERIMENTO 49

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	9,794	-0,001	9,664	0,000	26,489	0	0	0
1560	9,605	0,000	9,437	0,000	26,506	0	0	0
1590	9,133	-0,001	9,669	0,000	26,490	0	0	0
1620	9,000	0,000	9,954	0,000	26,500	0	0	0
1650	9,323	0,000	8,893	0,000	26,507	0	0	0
1680	9,544	0,000	9,456	0,000	26,497	0	0	0
1710	9,540	0,000	9,888	0,000	26,510	0	0	0
1740	9,240	-0,001	10,171	0,000	26,516	0	0	0
1770	10,135	0,000	9,208	0,000	26,519	0	0	0
1800	9,332	0,001	9,942	0,000	26,510	0	0	0
1830	9,567	-0,001	10,229	0,000	26,521	0	0	0
1860	9,899	0,001	8,997	0,000	26,519	0	0	0
1890	9,204	0,000	9,863	0,000	26,525	0	0	0
1920	10,178	0,000	9,609	0,000	26,524	0	0	0
1950	9,179	0,000	9,486	0,000	26,518	0	0	0
1980	9,406	0,001	9,035	0,000	26,525	0	0	0
2010	9,603	-0,001	9,912	0,000	26,529	0	0	0
2040	9,718	0,000	10,032	0,000	26,533	0	0	0
2070	10,093	-0,001	9,613	0,000	26,537	0	0	0
2100	9,513	0,000	9,262	0,000	26,527	0	0	0
2130	9,000	-0,002	9,446	0,000	26,546	0	0	0
2160	9,238	0,000	8,781	0,000	26,532	0	0	0
2190	9,582	0,000	9,435	0,000	26,535	0	0	0
2220	9,040	0,000	9,155	0,000	26,534	0	0	0
2250	9,936	0,001	9,258	0,000	26,545	0	0	0
2280	9,157	0,001	9,327	0,000	26,551	0	0	0
2310	9,430	0,000	9,498	0,000	26,544	0	0	0
2340	9,409	0,000	8,936	0,000	26,560	0	0	0
2370	9,070	-0,001	9,690	0,000	26,549	0	0	0
2400	9,801	-0,001	9,348	0,000	26,570	0	0	0
2430	9,463	0,000	9,179	0,000	26,563	0	0	0
2460	9,766	0,000	9,121	0,000	26,572	0	0	0
2490	9,317	-0,001	9,913	0,000	26,569	0	0	0
2520	8,643	0,001	9,081	0,000	26,559	0	0	0
2550	9,849	0,000	9,117	0,000	26,576	0	0	0
2580	9,373	0,000	9,288	0,000	26,564	0	0	0
2610	9,365	0,000	8,929	0,000	26,581	0	0	0
2640	8,523	0,000	9,158	0,000	26,574	0	0	0
2670	9,772	0,001	9,292	0,000	26,567	0	0	0
2700	9,048	0,000	8,729	0,000	26,576	0	0	0
2730	9,726	0,000	9,070	0,000	26,586	0	0	0
2760	9,306	0,000	8,492	0,000	26,576	0	0	0
2790	8,868	0,001	8,920	0,000	26,583	0	0	0
2820	8,577	0,001	8,772	0,000	26,582	0	0	0
2850	9,217	0,001	8,638	0,000	26,595	0	0	0
2880	9,611	0,000	8,683	0,000	26,593	0	0	0
2910	9,704	0,000	8,909	0,000	26,601	0	0	0
2940	8,881	0,000	9,712	0,000	26,601	0	0	0
2970	9,156	0,000	9,193	0,000	26,594	0	0	0
3000	9,141	0,000	8,397	0,000	26,599	0	0	0
3030	9,315	0,001	9,035	0,000	26,596	0	0	0
3060	9,200	0,000	9,731	0,000	26,605	0	0	0
3090	8,835	0,001	8,420	0,000	26,606	0	0	0
3120	9,140	-0,002	9,513	0,000	26,610	0	0	0
3150	0,000	0,000	0,000	0,000	26,012	0	0	0
3180	0,000	0,000	0,000	0,000	25,932	0	0	0
3210	0,000	0,000	0,000	0,000	25,891	0	0	0
3240	0,000	0,000	0,000	0,000	25,863	0	0	0
3270	0,000	0,000	0,000	0,000	25,842	0	0	0
3300	0,000	0,000	0,000	0,000	25,825	0	0	0
3330	0,000	0,000	0,000	0,000	25,810	0	0	0
3360	0,000	0,000	0,000	0,000	25,797	0	0	0
3390	0,000	0,000	0,000	0,000	25,786	0	0	0
3420	0,000	0,000	0,000	0,000	25,776	0	0	0
3450	0,000	0,000	0,000	0,000	25,767	0	0	0
3480	0,000	0,000	0,000	0,000	25,759	0	0	0

EXPERIMENTO 49 (continuação)



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,828	0	0	0
0	-5,809	9,788	0,000	5,527	25,560	0	0	0
30	-3,500	9,042	0,000	5,526	25,481	0	0	0
60	-0,057	5,639	0,000	5,566	25,658	0	0	0
90	-0,020	5,636	0,000	5,598	25,669	0	0	0
120	-0,004	5,633	0,000	5,614	25,668	0	0	0
150	-0,027	5,630	0,000	5,583	25,662	0	0	0
180	-0,038	5,628	0,000	5,574	25,654	0	0	0
210	0,021	5,626	0,000	5,630	25,652	0	0	0
240	0,085	5,626	0,000	5,685	25,650	0	0	0
270	0,083	5,625	0,000	5,692	25,649	0	0	0
300	0,132	5,625	0,000	5,740	25,648	0	0	0
330	0,173	5,625	0,000	5,780	25,647	0	0	0
360	0,211	5,624	0,000	5,818	25,649	0	0	0
390	0,273	5,625	0,000	5,885	25,652	0	0	0
420	0,285	5,625	0,000	5,889	25,653	0	0	0
450	0,332	5,625	0,000	5,937	25,656	0	0	0
480	0,354	5,626	0,000	5,964	25,658	0	0	0
510	0,390	5,626	0,000	5,994	25,661	0	0	0
540	0,424	5,626	0,000	6,033	25,665	0	0	0
570	0,419	5,627	0,000	6,027	25,666	0	0	0
600	0,347	5,625	0,000	5,949	25,660	0	0	0
630	0,360	5,625	0,000	5,968	25,659	0	0	0
660	0,451	5,626	0,000	6,056	25,666	0	0	0
690	0,441	5,626	0,000	6,044	25,667	0	0	0
720	0,477	5,627	0,000	6,083	25,668	0	0	0
750	0,515	5,628	0,000	6,129	25,674	0	0	0
780	0,592	5,629	0,000	6,202	25,682	0	0	0
810	0,577	5,629	0,000	6,186	25,684	0	0	0
840	0,640	5,631	0,000	6,255	25,691	0	0	0
870	0,622	5,631	0,000	6,233	25,694	0	0	0
900	0,684	5,632	0,000	6,299	25,701	0	0	0
930	0,698	5,632	0,000	6,312	25,705	0	0	0
960	0,730	5,633	0,000	6,349	25,711	0	0	0
990	0,807	5,635	0,000	6,420	25,721	0	0	0
1020	0,825	5,636	0,000	6,439	25,728	0	0	0
1050	-0,649	7,120	0,000	6,451	25,633	0	0	0
1080	-0,503	7,027	0,000	6,503	25,587	0	0	0
1110	-0,466	7,018	0,000	6,529	25,564	0	0	0
1140	-0,420	7,013	0,000	6,578	25,551	0	0	0
1170	-0,382	7,010	0,000	6,606	25,542	0	0	0
1200	-0,365	7,007	0,000	6,623	25,535	0	0	0
1230	-0,315	7,006	0,000	6,670	25,532	0	0	0
1260	-0,279	7,005	0,000	6,705	25,530	0	0	0
1290	-0,259	7,004	0,000	6,725	25,528	0	0	0
1320	-0,236	7,002	0,000	6,745	25,526	0	0	0
1350	-0,232	7,002	0,000	6,751	25,523	0	0	0
1380	-0,210	7,001	0,000	6,772	25,522	0	0	0
1410	-0,190	7,001	0,000	6,790	25,520	0	0	0
1440	-0,135	7,001	0,000	6,845	25,522	0	0	0
1470	-0,121	7,002	0,000	6,858	25,522	0	0	0
1500	-0,112	7,001	0,000	6,868	25,522	0	0	0

EXPERIMENTO 50

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	-0,088	7,001	0,000	6,891	25,522	0	0	0
1560	-0,073	7,002	0,000	6,905	25,523	0	0	0
1590	-0,036	7,002	0,000	6,947	25,524	0	0	0
1620	-0,007	7,003	0,000	6,976	25,526	0	0	0
1650	0,014	7,003	0,000	6,997	25,528	0	0	0
1680	0,048	7,004	0,000	7,029	25,531	0	0	0
1710	0,066	7,005	0,000	7,047	25,533	0	0	0
1740	0,080	7,004	0,000	7,061	25,535	0	0	0
1770	0,080	7,005	0,000	7,064	25,536	0	0	0
1800	0,114	7,005	0,000	7,095	25,539	0	0	0
1830	0,135	7,006	0,000	7,120	25,541	0	0	0
1860	0,179	7,008	0,000	7,159	25,546	0	0	0
1890	0,203	7,008	0,000	7,187	25,549	0	0	0
1920	0,258	7,009	0,000	7,246	25,556	0	0	0
1950	0,277	7,011	0,000	7,268	25,562	0	0	0
1980	0,281	7,011	0,000	7,266	25,565	0	0	0
2010	0,265	7,011	0,000	7,251	25,565	0	0	0
2040	0,324	7,012	0,000	7,315	25,572	0	0	0
2070	0,334	7,013	0,000	7,323	25,576	0	0	0
2100	0,351	7,014	0,000	7,347	25,580	0	0	0
2130	0,413	7,016	0,000	7,406	25,588	0	0	0
2160	0,453	7,018	0,000	7,448	25,595	0	0	0
2190	0,467	7,018	0,000	7,461	25,601	0	0	0
2220	0,475	7,019	0,000	7,467	25,606	0	0	0
2250	0,516	7,021	0,000	7,512	25,613	0	0	0
2280	0,560	7,022	0,000	7,561	25,621	0	0	0
2310	0,577	7,024	0,000	7,580	25,627	0	0	0
2340	0,600	7,025	0,000	7,604	25,634	0	0	0
2370	0,590	7,025	0,000	7,594	25,638	0	0	0
2400	0,597	7,025	0,000	7,599	25,641	0	0	0
2430	0,540	7,025	0,000	7,542	25,640	0	0	0
2460	0,567	7,026	0,000	7,566	25,644	0	0	0
2490	0,600	7,026	0,000	7,604	25,649	0	0	0
2520	0,646	7,028	0,000	7,650	25,656	0	0	0
2550	-1,301	9,020	0,000	7,699	25,469	0	0	0
2580	-1,210	9,012	0,000	7,784	25,430	0	0	0
2610	-1,167	9,007	0,000	7,818	25,406	0	0	0
2640	-1,137	9,004	0,000	7,842	25,391	0	0	0
2670	-1,127	9,001	0,000	7,850	25,378	0	0	0
2700	-1,119	9,000	0,000	7,858	25,368	0	0	0
2730	-1,094	8,998	0,000	7,878	25,360	0	0	0
2760	-1,089	8,996	0,000	7,881	25,354	0	0	0
2790	-1,066	8,996	0,000	7,906	25,349	0	0	0
2820	-1,019	8,995	0,000	7,943	25,347	0	0	0
2850	-0,969	8,996	0,000	7,997	25,346	0	0	0
2880	-0,942	8,996	0,000	8,031	25,344	0	0	0
2910	-0,929	8,995	0,000	8,041	25,341	0	0	0
2940	-0,919	8,995	0,000	8,054	25,339	0	0	0
2970	-0,897	8,996	0,000	8,075	25,337	0	0	0
3000	-0,874	8,994	0,000	8,096	25,335	0	0	0
3030	-0,838	8,994	0,000	8,131	25,335	0	0	0
3060	-0,813	8,995	0,000	8,154	25,334	0	0	0
3090	-0,790	8,995	0,000	8,183	25,333	0	0	0
3120	-0,774	8,995	0,000	8,193	25,332	0	0	0
3150	-0,775	8,994	0,000	8,195	25,330	0	0	0
3180	-0,717	8,995	0,000	8,252	25,331	0	0	0
3210	-0,738	8,994	0,000	8,229	25,328	0	0	0
3240	-0,693	8,995	0,000	8,274	25,328	0	0	0
3270	-0,692	8,995	0,000	8,275	25,326	0	0	0
3300	-0,756	8,993	0,000	8,207	25,320	0	0	0
3330	-0,738	8,992	0,000	8,223	25,316	0	0	0
3360	-0,684	8,994	0,000	8,290	25,318	0	0	0
3390	-0,625	8,994	0,000	8,343	25,321	0	0	0
3420	-0,600	8,995	0,000	8,372	25,321	0	0	0
3450	-0,631	8,994	0,000	8,338	25,319	0	0	0
3480	-0,652	8,993	0,000	8,317	25,315	0	0	0

EXPERIMENTO 50 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
3510	-0,568	8,995	0,000	8,404	25,317	0	0	0
3540	-0,497	8,996	0,000	8,474	25,323	0	0	0
3570	-0,482	8,997	0,000	8,491	25,324	0	0	0
3600	-0,950	8,985	0,000	8,039	25,296	0	0	0
3630	-0,625	8,991	0,000	8,336	25,306	0	0	0
3660	-0,476	8,995	0,000	8,492	25,314	0	0	0
3690	-0,503	8,994	0,000	8,463	25,314	0	0	0
3720	-0,644	8,991	0,000	8,333	25,303	0	0	0
3750	-0,387	8,997	0,000	8,588	25,314	0	0	0
3780	-0,281	9,001	0,000	8,696	25,327	0	0	0
3810	-0,280	9,002	0,000	8,698	25,331	0	0	0
3840	-0,251	9,002	0,000	8,727	25,335	0	0	0
3870	-0,241	9,002	0,000	8,735	25,336	0	0	0
3900	-0,260	9,001	0,000	8,714	25,335	0	0	0
3930	-0,211	9,003	0,000	8,759	25,339	0	0	0
3960	-0,209	9,003	0,000	8,763	25,340	0	0	0
3990	-0,186	9,004	0,000	8,790	25,342	0	0	0
4020	-0,187	9,005	0,000	8,792	25,343	0	0	0
4050	-0,171	9,005	0,000	8,802	25,345	0	0	0
4080	-0,111	9,007	0,000	8,866	25,348	0	0	0
4110	-0,176	9,005	0,000	8,801	25,347	0	0	0
4140	-0,208	9,003	0,000	8,761	25,342	0	0	0
4170	-0,290	9,001	0,000	8,688	25,332	0	0	0
4200	-0,216	9,003	0,000	8,755	25,333	0	0	0
4230	-1,371	8,977	0,000	7,524	25,277	0	0	0
4260	-0,041	9,004	0,000	8,935	25,330	0	0	0
4290	0,019	9,008	0,000	8,999	25,348	0	0	0
4320	0,137	9,012	0,000	9,127	25,363	0	0	0
4350	0,207	9,016	0,000	9,193	25,378	0	0	0
4380	0,125	9,014	0,000	9,115	25,379	0	0	0
4410	0,215	9,017	0,000	9,211	25,387	0	0	0
4440	0,253	9,021	0,000	9,249	25,398	0	0	0
4470	0,194	9,021	0,000	9,186	25,400	0	0	0
4500	-0,002	9,015	0,000	8,983	25,388	0	0	0
4530	0,172	9,018	0,000	9,163	25,394	0	0	0
4560	0,339	9,024	0,000	9,331	25,412	0	0	0
4590	0,415	9,029	0,000	9,412	25,428	0	0	0
4620	0,448	9,031	0,000	9,444	25,441	0	0	0
4650	0,346	9,030	0,000	9,310	25,443	0	0	0
4680	-1,947	8,964	0,000	7,177	25,245	0	0	0
4710	-5,916	8,857	0,000	3,023	24,964	0	0	0
4740	0,286	8,985	0,000	9,302	25,194	0	0	0
4770	0,247	9,000	0,000	9,211	25,285	0	0	0
4800	0,076	9,000	0,000	9,061	25,303	0	0	0
4830	0,162	9,005	0,000	9,131	25,324	0	0	0
4860	-0,024	9,001	0,000	8,964	25,320	0	0	0
4890	-1,510	8,971	0,000	7,679	25,263	0	0	0
4920	0,313	9,011	0,000	9,311	25,348	0	0	0
4950	0,439	9,018	0,000	9,429	25,372	0	0	0
4980	0,460	9,021	0,000	9,452	25,389	0	0	0
5010	0,444	9,022	0,000	9,439	25,399	0	0	0
5040	0,418	9,024	0,000	9,413	25,407	0	0	0
5070	0,393	9,024	0,000	9,392	25,411	0	0	0
5100	0,420	9,026	0,000	9,418	25,419	0	0	0
5130	0,423	9,027	0,000	9,417	25,426	0	0	0
5160	0,431	9,028	0,000	9,431	25,432	0	0	0
5190	0,405	9,029	0,000	9,403	25,435	0	0	0
5220	0,447	9,032	0,000	9,460	25,443	0	0	0
5250	0,435	9,032	0,000	9,441	25,449	0	0	0
5280	0,407	9,031	0,000	9,408	25,450	0	0	0
5310	0,441	9,032	0,000	9,441	25,456	0	0	0
5340	0,514	9,037	0,000	9,518	25,467	0	0	0
5370	0,557	9,038	0,000	9,570	25,475	0	0	0
5400	0,519	9,039	0,000	9,534	25,482	0	0	0
5430	0,624	9,042	0,000	9,663	25,490	0	0	0
5460	0,687	9,046	0,000	9,696	25,509	0	0	0
5490	0,662	9,048	0,000	9,683	25,515	0	0	0

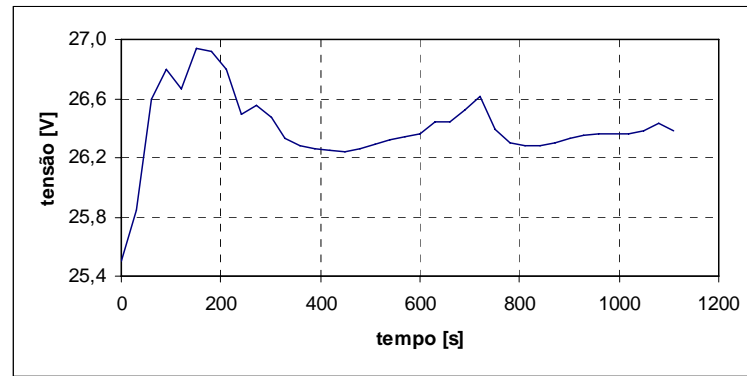
EXPERIMENTO 50 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
5520	0,633	9,047	0,000	9,651	25,521	0	0	0
5550	0,646	9,049	0,000	9,663	25,529	0	0	0
5580	0,619	9,049	0,000	9,634	25,532	0	0	0
5610	0,740	9,053	0,000	9,763	25,544	0	0	0
5640	0,744	9,055	0,000	9,768	25,554	0	0	0
5670	0,719	9,056	0,000	9,745	25,560	0	0	0
5700	0,700	9,057	0,000	9,725	25,565	0	0	0
5730	0,643	9,055	0,000	9,665	25,565	0	0	0
5760	0,659	9,057	0,000	9,688	25,568	0	0	0
5790	0,670	9,057	0,000	9,694	25,573	0	0	0
5820	0,735	9,060	0,000	9,774	25,582	0	0	0
5850	0,761	9,063	0,000	9,795	25,592	0	0	0
5880	0,884	9,068	0,000	9,919	25,607	0	0	0
5910	0,915	9,070	0,000	9,950	25,619	0	0	0
5940	0,864	9,070	0,000	9,900	25,624	0	0	0
5970	0,902	9,072	0,000	9,941	25,632	0	0	0
6000	0,881	9,074	0,000	9,921	25,638	0	0	0
6030	0,879	9,073	0,000	9,923	25,641	0	0	0
6060	0,831	9,073	0,000	9,872	25,642	0	0	0
6090	0,844	9,074	0,000	9,888	25,645	0	0	0
6120	0,829	9,073	0,000	9,869	25,648	0	0	0
6150	0,814	9,074	0,000	9,862	25,649	0	0	0
6180	0,813	9,074	0,000	9,856	25,652	0	0	0
6210	0,763	9,073	0,000	9,804	25,650	0	0	0
6240	0,760	9,079	0,000	9,814	25,651	0	0	0
6270	0,750	9,077	0,000	9,795	25,651	0	0	0
6300	0,763	9,078	0,000	9,805	25,653	0	0	0
6330	0,796	9,079	0,000	9,842	25,658	0	0	0
6360	0,878	9,081	0,000	9,933	25,667	0	0	0
6390	1,005	9,087	0,000	10,064	25,684	0	0	0
6420	1,007	9,088	0,000	10,071	25,693	0	0	0
6450	1,098	9,094	0,000	10,159	25,707	0	0	0
6480	1,077	9,094	0,000	10,136	25,715	0	0	0
6510	1,069	9,094	0,000	10,126	25,718	0	0	0
6540	1,082	9,095	0,000	10,144	25,723	0	0	0
6570	1,064	9,096	0,000	10,132	25,725	0	0	0
6600	1,078	9,098	0,000	10,148	25,731	0	0	0
6630	1,116	9,099	0,000	10,177	25,738	0	0	0
6660	1,107	9,099	0,000	10,173	25,741	0	0	0
6690	1,093	9,100	0,000	10,162	25,743	0	0	0
6720	1,088	9,100	0,000	10,149	25,747	0	0	0
6750	1,058	9,101	0,000	10,131	25,746	0	0	0
6780	1,058	9,101	0,000	10,122	25,748	0	0	0
6810	-0,799	11,048	0,000	10,214	25,561	0	0	0
6840	-0,713	11,037	0,000	10,294	25,516	0	0	0
6870	-0,699	11,029	0,000	10,296	25,487	0	0	0
6900	-0,746	11,021	0,000	10,240	25,460	0	0	0
6930	-0,730	11,016	0,000	10,260	25,440	0	0	0
6960	-0,769	11,011	0,000	10,215	25,420	0	0	0
6990	-0,655	11,011	0,000	10,329	25,412	0	0	0
7020	-0,790	11,004	0,000	10,195	25,391	0	0	0
7050	-0,681	11,004	0,000	10,287	25,386	0	0	0
7080	-0,799	10,998	0,000	10,179	25,368	0	0	0
7110	-0,579	11,003	0,000	10,398	25,371	0	0	0
7140	-0,581	11,002	0,000	10,384	25,366	0	0	0
7170	-0,862	10,990	0,000	10,079	25,339	0	0	0
7200	-3,921	10,886	0,000	6,764	25,152	0	0	0
7230	-3,905	10,873	0,000	6,408	25,056	0	0	0
7260	-0,444	10,975	0,000	10,474	25,235	0	0	0
7290	-0,573	10,977	0,000	10,375	25,257	0	0	0
7320	-0,337	10,987	0,000	10,616	25,283	0	0	0
7350	-0,274	10,992	0,000	10,681	25,297	0	0	0
7380	-0,336	10,990	0,000	10,631	25,298	0	0	0
7410	-0,446	10,987	0,000	10,500	25,291	0	0	0
7440	-0,838	10,974	0,000	10,077	25,264	0	0	0
7470	-0,597	10,978	0,000	10,363	25,267	0	0	0
7500	-0,273	10,988	0,000	10,713	25,288	0	0	0

EXPERIMENTO 50 (continuação)

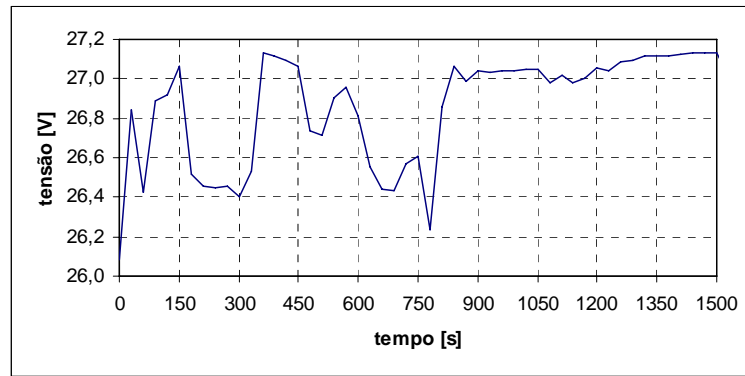
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
7530	-0,127	10,995	0,000	10,833	25,306	0	0	0
7560	-0,340	10,989	0,000	10,606	25,296	0	0	0
7590	-0,548	10,982	0,000	10,425	25,281	0	0	0
7620	-0,129	10,996	0,000	10,844	25,306	0	0	0
7650	0,043	11,003	0,000	11,018	25,325	0	0	0
7680	0,142	11,008	0,000	11,119	25,341	0	0	0
7710	0,185	11,011	0,000	11,164	25,354	0	0	0
7740	0,179	11,013	0,000	11,157	25,361	0	0	0
7770	0,155	11,013	0,000	11,135	25,364	0	0	0
7800	0,172	11,014	0,000	11,152	25,370	0	0	0
7830	0,211	11,017	0,000	11,193	25,377	0	0	0
7860	0,189	11,017	0,000	11,170	25,381	0	0	0
7890	0,179	11,018	0,000	11,163	25,382	0	0	0
7920	0,166	11,018	0,000	11,149	25,385	0	0	0
7950	0,180	11,020	0,000	11,163	25,388	0	0	0
7980	0,077	11,015	0,000	11,055	25,381	0	0	0
8010	0,002	11,012	0,000	10,979	25,374	0	0	0
8040	0,071	11,013	0,000	11,054	25,376	0	0	0
8070	0,039	11,013	0,000	11,019	25,375	0	0	0
8100	0,052	11,013	0,000	11,027	25,375	0	0	0
8130	0,183	11,018	0,000	11,167	25,385	0	0	0
8160	0,228	11,021	0,000	11,221	25,396	0	0	0
8190	0,172	11,021	0,000	11,156	25,397	0	0	0
8220	-0,170	11,010	0,000	10,838	25,374	0	0	0
8250	-0,519	10,994	0,000	10,356	25,332	0	0	0
8280	-4,972	10,847	0,000	5,940	25,036	0	0	0
8310	-2,074	10,913	0,000	8,819	25,098	0	0	0
8340	-0,169	10,977	0,000	10,793	25,237	0	0	0
8370	-4,475	10,850	0,000	5,541	25,006	0	0	0
8400	-3,823	6,879	0,000	3,053	24,984	0	0	0
8430	1,855	6,986	0,000	8,757	25,304	0	0	0
8460	-4,297	8,883	0,000	4,566	24,989	0	0	0
8490	-4,670	8,869	0,000	4,510	24,945	0	0	0
8520	-0,886	5,550	0,000	4,166	25,180	0	0	0
8550	-2,716	5,519	0,000	2,791	25,040	0	0	0
8580	2,787	4,177	0,000	8,136	25,324	0	0	0
8610	7,129	4,248	0,000	11,328	25,873	0	0	0
8640	0,464	11,085	0,000	11,509	25,500	0	0	0
8670	0,124	11,044	0,000	11,077	25,430	0	0	0
8700	-5,796	10,843	0,000	4,864	24,989	0	0	0
8730	-0,773	10,956	0,000	10,208	25,139	0	0	0
8760	-0,589	10,960	0,000	10,180	25,154	0	0	0
8790	0,699	11,006	0,000	11,668	25,273	0	0	0
8820	0,648	11,012	0,000	11,623	25,311	0	0	0
8850	0,536	11,013	0,000	11,511	25,326	0	0	0
8880	0,449	11,013	0,000	11,419	25,334	0	0	0
8910	0,363	11,012	0,000	11,339	25,337	0	0	0
8940	0,268	11,010	0,000	11,237	25,338	0	0	0
8970	0,424	11,015	0,000	11,404	25,350	0	0	0
9000	0,511	11,020	0,000	11,503	25,367	0	0	0

EXPERIMENTO 50 (continuação)



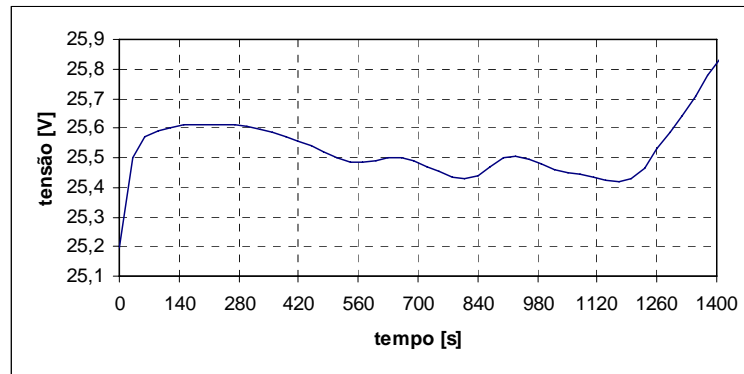
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	-0,001	0,000	0,000	0,000	25,223	0	0	0
0	6,736	0,000	0,000	6,466	25,501	0	0	0
30	5,043	0,000	0,000	5,026	25,843	0	0	0
60	11,780	0,000	0,000	11,814	26,597	0	0	0
90	11,498	0,000	0,000	11,501	26,794	0	0	0
120	9,118	0,000	0,000	8,747	26,662	0	0	0
150	11,624	0,000	0,000	11,575	26,941	0	0	0
180	11,225	0,000	0,000	10,743	26,914	0	0	0
210	10,031	0,000	0,000	9,546	26,801	0	0	0
240	6,022	0,000	0,000	5,956	26,493	0	0	0
270	6,330	0,000	0,000	6,539	26,558	0	0	0
300	5,925	0,000	0,000	5,825	26,478	0	0	0
330	4,263	0,000	0,000	4,236	26,330	0	0	0
360	3,952	0,000	0,000	3,933	26,283	0	0	0
390	3,792	0,000	0,000	3,777	26,259	0	0	0
420	3,746	0,000	0,000	3,732	26,249	0	0	0
450	3,737	0,000	0,000	3,727	26,245	0	0	0
480	3,928	0,000	0,000	3,928	26,259	0	0	0
510	4,305	0,000	0,000	4,288	26,293	0	0	0
540	4,620	0,000	0,000	4,604	26,326	0	0	0
570	4,658	0,000	0,000	4,650	26,337	0	0	0
600	4,906	0,000	0,000	4,893	26,361	0	0	0
630	5,651	0,000	0,000	6,198	26,448	0	0	0
660	5,389	0,000	0,000	5,274	26,443	0	0	0
690	6,801	0,000	0,000	7,274	26,524	0	0	0
720	7,051	0,000	0,000	7,184	26,614	0	0	0
750	4,907	0,000	0,000	4,784	26,395	0	0	0
780	3,889	0,000	0,000	3,875	26,298	0	0	0
810	3,851	0,000	0,000	3,837	26,282	0	0	0
840	3,906	0,000	0,000	3,899	26,281	0	0	0
870	4,173	0,000	0,000	4,169	26,302	0	0	0
900	4,488	0,000	0,000	4,482	26,331	0	0	0
930	4,702	0,000	0,000	4,690	26,355	0	0	0
960	4,738	0,000	0,000	4,721	26,363	0	0	0
990	4,725	0,000	0,000	4,709	26,364	0	0	0
1020	4,727	0,000	0,000	4,715	26,366	0	0	0
1050	4,864	0,000	0,000	4,850	26,380	0	0	0
1080	5,557	0,000	0,000	5,697	26,435	0	0	0
1110	4,772	0,000	0,000	4,752	26,384	0	0	0

EXPERIMENTO 51



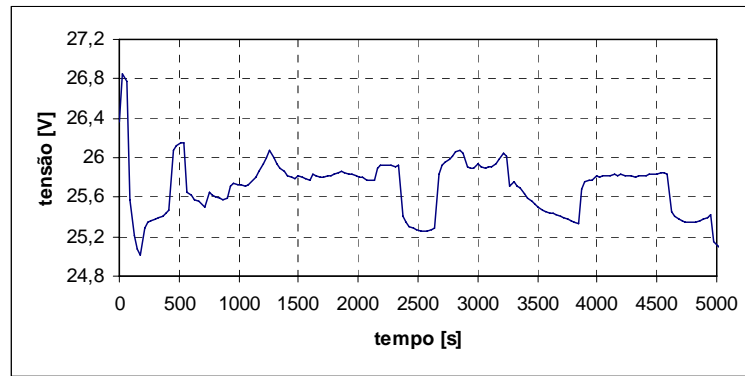
t	I _{bat}	I _c	I _{gh}	I _{gf}	V _{bat}	k _i	k _s	k _{gh}
30	0	0	0	0	25,831	0	0	0
0	5,792	0	0	5,68	26,086	0	0	0
30	10,723	0	0	11,236	26,846	0	0	0
60	5,32	0	0	5,3	26,426	0	0	0
90	10,844	0	0	11,406	26,885	0	0	0
120	10,783	0	0	10,396	26,918	0	0	0
150	11,799	0	0	11,686	27,067	0	0	0
180	5,335	0	0	5,295	26,513	0	0	0
210	5,195	0	0	5,187	26,454	0	0	0
240	5,135	0	0	5,17	26,45	0	0	0
270	5,121	0	0	5,177	26,453	0	0	0
300	4,654	0	0	4,617	26,404	0	0	0
330	6,299	0	0	6,726	26,529	0	0	0
360	12,135	0	0	12,098	27,133	0	0	0
390	11,884	0	0	11,815	27,119	0	0	0
420	11,644	0	0	11,577	27,096	0	0	0
450	11,265	0	0	11,149	27,06	0	0	0
480	8,074	0	0	8,399	26,738	0	0	0
510	7,844	0	0	7,875	26,712	0	0	0
540	9,756	0	0	10,428	26,903	0	0	0
570	9,748	0	0	10,796	26,96	0	0	0
600	8,426	0	0	8,495	26,809	0	0	0
630	5,438	0	0	5,316	26,551	0	0	0
660	4,507	0	0	4,485	26,443	0	0	0
690	4,586	0	0	4,582	26,432	0	0	0
720	6,358	0	0	6,192	26,57	0	0	0
750	6,51	0	0	6,553	26,609	0	0	0
780	0	0	0	0	26,238	0	0	0
810	10,679	0	0	10,558	26,856	0	0	0
840	11,283	0	0	11,438	27,063	0	0	0
870	10,61	0	0	10,539	26,984	0	0	0
900	11,013	0	0	10,96	27,037	0	0	0
930	10,808	0	0	10,754	27,032	0	0	0
960	10,809	0	0	10,797	27,041	0	0	0
990	10,735	0	0	10,739	27,037	0	0	0
1020	10,747	0	0	10,707	27,045	0	0	0
1050	10,757	0	0	10,713	27,05	0	0	0
1080	10,024	0	0	9,925	26,981	0	0	0
1110	10,315	0	0	10,274	27,015	0	0	0
1140	9,95	0	0	9,796	26,98	0	0	0
1170	10,262	0	0	10,091	27,005	0	0	0
1200	10,556	0	0	10,514	27,057	0	0	0
1230	10,351	0	0	10,357	27,044	0	0	0
1260	10,718	0	0	10,677	27,089	0	0	0
1290	10,746	0	0	10,606	27,091	0	0	0
1320	10,815	0	0	10,769	27,115	0	0	0
1350	10,742	0	0	10,71	27,115	0	0	0
1380	10,707	0	0	10,664	27,117	0	0	0
1410	10,727	0	0	10,688	27,126	0	0	0
1440	10,702	0	0	10,663	27,131	0	0	0
1470	10,646	0	0	10,609	27,132	0	0	0
1500	10,582	0	0	10,535	27,132	0	0	0

EXPERIMENTO 52



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	24,942	0	0	0
0	4,350	0,000	0,000	4,338	25,195	0	0	0
30	4,700	0,000	0,000	4,687	25,500	0	0	0
60	4,813	0,000	0,000	4,791	25,569	0	0	0
90	4,794	0,000	0,000	4,772	25,591	0	0	0
120	4,801	0,000	0,000	4,779	25,603	0	0	0
150	4,809	0,000	0,000	4,786	25,610	0	0	0
180	4,789	0,000	0,000	4,766	25,611	0	0	0
210	4,789	0,000	0,000	4,767	25,611	0	0	0
240	4,802	0,000	0,000	4,780	25,612	0	0	0
270	4,795	0,000	0,000	4,772	25,611	0	0	0
300	4,746	0,000	0,000	4,721	25,605	0	0	0
330	4,676	0,000	0,000	4,652	25,595	0	0	0
360	4,609	0,000	0,000	4,585	25,585	0	0	0
390	4,516	0,000	0,000	4,492	25,573	0	0	0
420	4,392	0,000	0,000	4,368	25,557	0	0	0
450	4,260	0,000	0,000	4,236	25,540	0	0	0
480	4,079	0,000	0,000	4,055	25,518	0	0	0
510	3,936	0,000	0,000	3,915	25,498	0	0	0
540	3,883	0,000	0,000	3,864	25,487	0	0	0
570	3,912	0,000	0,000	3,894	25,486	0	0	0
600	3,964	0,000	0,000	3,950	25,488	0	0	0
630	4,079	0,000	0,000	4,062	25,498	0	0	0
660	4,099	0,000	0,000	4,080	25,500	0	0	0
690	3,981	0,000	0,000	3,955	25,489	0	0	0
720	3,830	0,000	0,000	3,810	25,471	0	0	0
750	3,700	0,000	0,000	3,678	25,454	0	0	0
780	3,550	0,000	0,000	3,529	25,435	0	0	0
810	3,524	0,000	0,000	3,510	25,427	0	0	0
840	3,709	0,000	0,000	3,699	25,441	0	0	0
870	4,014	0,000	0,000	4,004	25,472	0	0	0
900	4,253	0,000	0,000	4,237	25,499	0	0	0
930	4,261	0,000	0,000	4,237	25,504	0	0	0
960	4,147	0,000	0,000	4,123	25,494	0	0	0
990	4,004	0,000	0,000	3,981	25,480	0	0	0
1020	3,848	0,000	0,000	3,826	25,462	0	0	0
1050	3,756	0,000	0,000	3,738	25,449	0	0	0
1080	3,724	0,000	0,000	3,705	25,443	0	0	0
1110	3,631	0,000	0,000	3,612	25,432	0	0	0
1140	3,589	0,000	0,000	3,571	25,424	0	0	0
1170	3,565	0,000	0,000	3,548	25,420	0	0	0
1200	3,676	0,000	0,000	3,665	25,428	0	0	0
1230	4,060	0,000	0,000	4,057	25,463	0	0	0
1260	4,743	0,000	0,000	4,740	25,531	0	0	0
1290	5,228	0,000	0,000	5,217	25,585	0	0	0
1320	5,780	0,000	0,000	5,771	25,642	0	0	0
1350	6,477	0,000	0,000	6,469	25,710	0	0	0
1380	7,181	0,000	0,000	7,157	25,777	0	0	0
1410	7,826	0,000	0,000	7,829	25,839	0	0	0

EXPERIMENTO 53



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,003	0	0	0
0	21,816	0,000	15,517	5,911	26,367	0	0	0
30	19,456	0,000	14,677	4,926	26,849	0	0	0
60	19,366	0,000	14,929	4,466	26,779	0	0	0
90	4,554	0,000	0,000	4,533	25,570	0	0	0
120	0,000	0,000	0,000	0,000	25,208	0	0	0
150	0,000	0,000	0,000	0,000	25,079	0	0	0
180	0,000	0,000	0,000	0,000	25,017	0	0	0
210	4,167	0,000	0,000	4,140	25,280	0	0	0
240	3,915	0,000	0,000	3,890	25,354	0	0	0
270	3,757	0,000	0,000	3,737	25,364	0	0	0
300	3,775	0,000	0,000	3,760	25,375	0	0	0
330	3,914	0,001	0,000	3,902	25,394	0	0	0
360	4,080	0,000	0,000	4,064	25,413	0	0	0
390	4,248	0,000	0,000	4,234	25,434	0	0	0
420	4,513	0,000	0,000	4,501	25,462	0	0	0
450	11,139	0,000	7,549	4,827	26,078	0	0	0
480	12,096	0,001	7,215	5,205	26,127	0	0	0
510	12,430	-0,002	6,323	5,411	26,153	0	0	0
540	12,212	0,000	7,155	5,426	26,148	0	0	0
570	5,972	0,002	0,449	5,314	25,653	0	0	0
600	5,637	-0,001	0,573	5,020	25,614	0	0	0
630	5,220	-0,001	0,682	4,705	25,582	0	0	0
660	5,263	0,001	0,749	4,410	25,553	0	0	0
690	4,778	-0,001	0,836	4,198	25,531	0	0	0
720	4,815	0,000	0,862	3,891	25,500	0	0	0
750	6,550	0,001	2,816	3,516	25,644	0	0	0
780	5,944	-0,001	2,402	3,194	25,623	0	0	0
810	5,584	0,000	2,599	2,966	25,607	0	0	0
840	5,550	0,001	2,960	2,788	25,594	0	0	0
870	5,627	0,002	3,159	2,711	25,580	0	0	0
900	5,915	-0,001	2,644	2,835	25,584	0	0	0
930	7,373	0,001	3,611	3,120	25,716	0	0	0
960	6,912	0,000	4,111	3,332	25,738	0	0	0
990	7,478	0,001	3,797	3,245	25,719	0	0	0
1020	7,041	0,000	4,335	3,102	25,720	0	0	0
1050	7,323	0,001	4,219	3,066	25,716	0	0	0
1080	7,391	0,001	3,672	3,218	25,723	0	0	0
1110	7,342	-0,002	4,087	3,588	25,750	0	0	0
1140	8,264	0,002	3,677	4,307	25,796	0	0	0
1170	9,072	0,001	3,238	5,445	25,857	0	0	0
1200	10,269	-0,002	2,805	6,950	25,946	0	0	0
1230	10,710	0,000	3,267	7,748	25,996	0	0	0
1260	11,484	0,001	3,129	9,014	26,077	0	0	0
1290	10,525	-0,001	3,093	7,698	26,001	0	0	0
1320	9,965	0,001	3,308	6,579	25,938	0	0	0
1350	9,454	0,000	3,042	5,956	25,891	0	0	0
1380	8,758	-0,001	2,997	5,378	25,857	0	0	0
1410	8,239	-0,001	3,556	4,889	25,825	0	0	0
1440	8,195	0,000	3,214	4,503	25,801	0	0	0
1470	7,966	0,001	3,550	4,212	25,780	0	0	0
1500	8,523	0,001	4,248	3,949	25,812	0	0	0

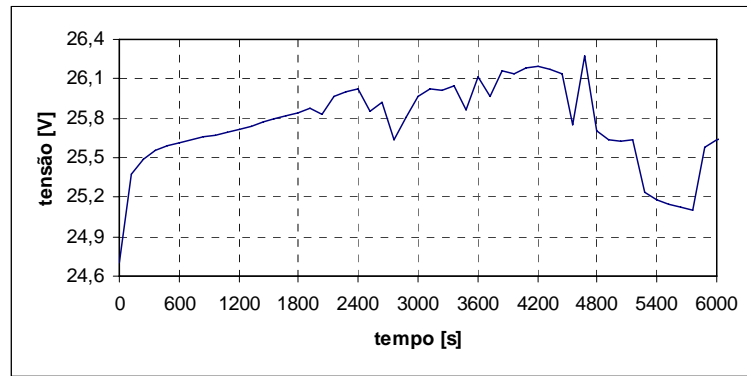
EXPERIMENTO 54

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	8,051	-0,002	4,840	3,702	25,802	0	0	0
1560	7,652	0,000	4,409	3,554	25,786	0	0	0
1590	8,278	-0,001	4,847	3,414	25,776	0	0	0
1620	8,433	0,001	5,287	3,290	25,830	0	0	0
1650	8,704	0,000	5,846	3,145	25,813	0	0	0
1680	7,641	0,000	5,129	2,989	25,809	0	0	0
1710	8,633	0,000	5,697	2,948	25,810	0	0	0
1740	8,465	0,000	4,805	3,090	25,811	0	0	0
1770	8,018	-0,001	5,246	3,351	25,824	0	0	0
1800	8,568	-0,001	5,688	3,579	25,838	0	0	0
1830	8,897	-0,001	5,667	3,713	25,850	0	0	0
1860	9,155	-0,001	5,383	3,817	25,861	0	0	0
1890	9,254	-0,001	5,263	3,779	25,849	0	0	0
1920	8,625	0,002	4,499	3,613	25,837	0	0	0
1950	8,620	0,002	4,831	3,386	25,833	0	0	0
1980	7,808	0,001	4,886	3,192	25,820	0	0	0
2010	8,029	0,001	5,237	2,996	25,801	0	0	0
2040	8,386	-0,001	5,746	2,715	25,796	0	0	0
2070	7,910	0,002	4,829	2,479	25,779	0	0	0
2100	7,642	0,000	5,698	2,386	25,765	0	0	0
2130	7,322	0,001	5,355	2,440	25,777	0	0	0
2160	9,935	0,001	7,363	2,586	25,890	0	0	0
2190	10,055	0,000	6,879	2,780	25,917	0	0	0
2220	9,791	0,000	6,729	2,944	25,923	0	0	0
2250	10,337	0,000	6,691	2,983	25,920	0	0	0
2280	9,534	-0,001	6,699	2,966	25,919	0	0	0
2310	9,734	0,001	7,126	2,942	25,910	0	0	0
2340	9,555	0,001	6,744	2,833	25,918	0	0	0
2370	2,651	0,000	0,000	2,630	25,406	0	0	0
2400	2,399	0,000	0,000	2,381	25,344	0	0	0
2430	2,230	0,000	0,000	2,216	25,307	0	0	0
2460	2,146	0,000	0,000	2,134	25,283	0	0	0
2490	2,121	0,000	0,000	2,111	25,267	0	0	0
2520	2,139	0,000	0,000	2,130	25,257	0	0	0
2550	2,207	0,000	0,000	2,199	25,254	0	0	0
2580	2,330	0,000	0,000	2,324	25,257	0	0	0
2610	2,513	0,000	0,000	2,508	25,268	0	0	0
2640	2,783	0,000	0,000	2,780	25,287	0	0	0
2670	10,832	-0,001	7,098	3,124	25,840	0	0	0
2700	10,464	-0,001	6,902	3,511	25,917	0	0	0
2730	10,669	0,000	7,391	3,993	25,951	0	0	0
2760	11,057	0,000	7,215	4,574	25,988	0	0	0
2790	11,170	0,001	6,142	5,155	26,021	0	0	0
2820	12,172	0,000	5,713	5,697	26,058	0	0	0
2850	12,237	0,001	5,747	6,131	26,072	0	0	0
2880	11,698	0,001	6,608	5,503	26,047	0	0	0
2910	9,680	0,000	4,708	4,770	25,906	0	0	0
2940	9,466	0,000	4,796	4,422	25,889	0	0	0
2970	9,479	0,001	4,254	4,681	25,901	0	0	0
3000	10,219	-0,002	5,339	5,172	25,937	0	0	0
3030	9,413	0,000	4,800	4,857	25,910	0	0	0
3060	8,965	0,000	4,816	4,595	25,895	0	0	0
3090	9,551	-0,002	4,935	4,516	25,902	0	0	0
3120	9,838	0,000	4,663	4,943	25,915	0	0	0
3150	10,036	0,001	4,565	5,321	25,932	0	0	0
3180	11,037	0,001	4,462	6,144	25,990	0	0	0
3210	11,731	0,002	3,698	7,318	26,046	0	0	0
3240	10,786	0,001	3,954	6,460	26,010	0	0	0
3270	6,555	0,000	0,000	6,532	25,707	0	0	0
3300	7,460	0,000	0,000	7,256	25,759	0	0	0
3330	6,737	0,000	0,000	6,710	25,708	0	0	0
3360	6,600	0,000	0,000	6,586	25,696	0	0	0
3390	5,718	0,000	0,000	5,671	25,633	0	0	0
3420	5,119	0,000	0,000	5,083	25,583	0	0	0
3450	4,965	0,000	0,000	4,941	25,562	0	0	0
3480	4,598	0,000	0,000	4,561	25,532	0	0	0

EXPERIMENTO 54 (continuação)

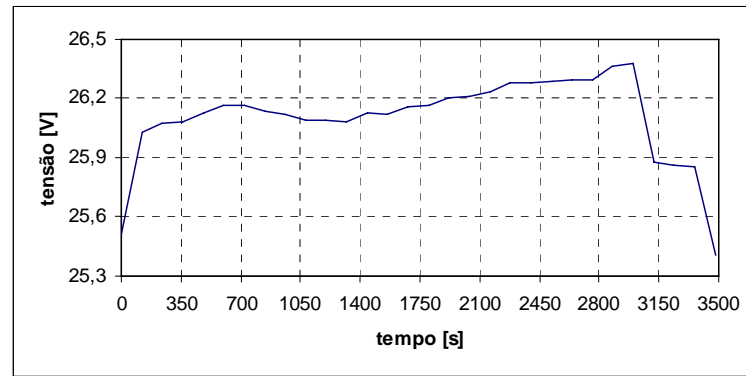
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
3510	4,184	0,000	0,000	4,156	25,495	0	0	0
3540	3,912	0,000	0,000	3,887	25,467	0	0	0
3570	3,789	0,000	0,000	3,770	25,450	0	0	0
3600	3,743	0,000	0,000	3,724	25,441	0	0	0
3630	3,685	0,000	0,000	3,666	25,433	0	0	0
3660	3,618	0,000	0,000	3,598	25,424	0	0	0
3690	3,487	0,000	0,000	3,466	25,412	0	0	0
3720	3,319	0,000	0,000	3,298	25,395	0	0	0
3750	3,152	0,000	0,000	3,133	25,378	0	0	0
3780	2,991	0,000	0,000	2,972	25,361	0	0	0
3810	2,835	0,000	0,000	2,817	25,344	0	0	0
3840	2,692	0,000	0,000	2,676	25,328	0	0	0
3870	8,584	0,000	6,083	2,547	25,683	0	0	0
3900	8,517	-0,001	5,425	2,507	25,755	0	0	0
3930	8,467	0,000	5,923	2,568	25,773	0	0	0
3960	8,339	-0,001	5,647	2,750	25,776	0	0	0
3990	8,345	0,000	4,955	3,020	25,813	0	0	0
4020	8,197	0,001	4,681	2,998	25,801	0	0	0
4050	8,421	-0,001	5,757	3,071	25,818	0	0	0
4080	8,404	-0,001	5,199	3,137	25,823	0	0	0
4110	8,238	0,001	4,725	3,168	25,815	0	0	0
4140	8,558	-0,001	5,703	3,152	25,831	0	0	0
4170	8,005	0,001	5,046	3,107	25,821	0	0	0
4200	8,704	0,000	5,349	3,042	25,829	0	0	0
4230	8,243	0,001	5,138	2,954	25,817	0	0	0
4260	8,018	0,001	4,848	2,872	25,824	0	0	0
4290	8,688	-0,002	5,706	2,813	25,817	0	0	0
4320	7,968	0,001	4,709	2,779	25,810	0	0	0
4350	8,256	-0,001	5,580	2,784	25,812	0	0	0
4380	7,823	-0,001	5,453	2,847	25,821	0	0	0
4410	7,901	0,002	5,056	2,924	25,820	0	0	0
4440	7,814	0,000	4,794	3,035	25,832	0	0	0
4470	8,799	-0,001	5,130	3,165	25,828	0	0	0
4500	8,478	-0,001	5,103	3,287	25,836	0	0	0
4530	8,412	0,000	5,292	3,369	25,842	0	0	0
4560	8,249	0,001	5,004	3,286	25,851	0	0	0
4590	7,658	0,000	4,443	3,098	25,837	0	0	0
4620	2,926	0,000	0,000	2,906	25,459	0	0	0
4650	2,757	0,000	0,000	2,740	25,410	0	0	0
4680	2,627	0,000	0,000	2,611	25,382	0	0	0
4710	2,546	0,000	0,000	2,533	25,362	0	0	0
4740	2,516	0,000	0,000	2,504	25,349	0	0	0
4770	2,538	0,000	0,000	2,527	25,343	0	0	0
4800	2,610	0,000	0,000	2,600	25,342	0	0	0
4830	2,734	0,000	0,000	2,725	25,347	0	0	0
4860	2,913	0,000	0,000	2,905	25,358	0	0	0
4890	3,131	0,000	0,000	3,122	25,375	0	0	0
4920	3,367	0,000	0,000	3,358	25,394	0	0	0
4950	3,636	0,000	0,000	3,627	25,417	0	0	0
4980	0,000	0,000	0,000	0,000	25,147	0	0	0

EXPERIMENTO 54 (continuação)



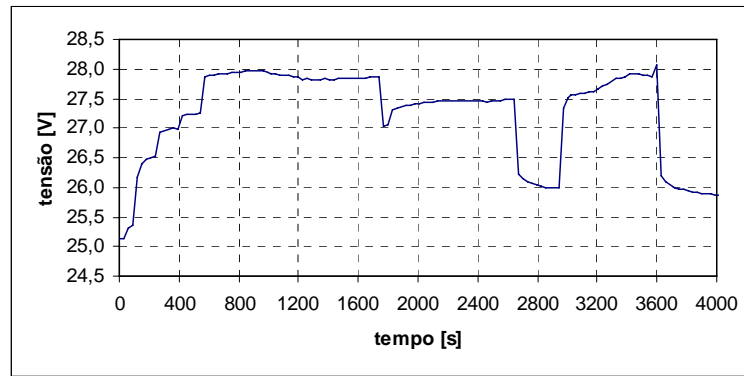
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
120	0,000	0,000	0,000	0,000	24,496	0	0	0
0	4,271	0,000	0,000	4,251	24,706	0	0	0
120	4,421	0,000	0,000	4,402	25,373	0	0	0
240	4,540	0,000	0,000	4,522	25,492	0	0	0
360	4,712	0,000	0,000	4,690	25,554	0	0	0
480	4,837	0,000	0,000	4,814	25,589	0	0	0
600	4,990	0,000	0,000	4,968	25,617	0	0	0
720	5,117	0,000	0,000	5,093	25,638	0	0	0
840	5,271	0,000	0,000	5,249	25,657	0	0	0
960	5,417	0,000	0,000	5,394	25,676	0	0	0
1080	5,582	0,000	0,000	5,556	25,696	0	0	0
1200	5,759	0,000	0,000	5,732	25,719	0	0	0
1320	5,926	0,000	0,000	5,900	25,741	0	0	0
1440	6,264	0,000	0,000	6,182	25,774	0	0	0
1560	6,433	0,000	0,000	6,401	25,796	0	0	0
1680	6,584	0,000	0,000	6,553	25,819	0	0	0
1800	6,700	0,000	0,000	6,671	25,838	0	0	0
1920	7,048	0,000	0,000	7,020	25,874	0	0	0
2040	6,522	0,000	0,000	6,470	25,836	0	0	0
2160	8,046	0,000	0,000	8,012	25,971	0	0	0
2280	8,319	0,000	0,000	8,285	26,001	0	0	0
2400	8,540	0,000	0,000	8,520	26,027	0	0	0
2520	6,335	0,000	0,000	6,326	25,853	0	0	0
2640	7,482	0,000	0,000	7,485	25,921	0	0	0
2760	3,980	0,000	0,000	3,957	25,642	0	0	0
2880	6,321	0,000	0,000	6,471	25,806	0	0	0
3000	7,799	0,000	0,000	7,633	25,972	0	0	0
3120	8,551	0,000	0,000	8,556	26,019	0	0	0
3240	8,221	0,000	0,000	8,144	26,017	0	0	0
3360	8,632	0,000	0,000	9,017	26,052	0	0	0
3480	5,968	0,000	0,000	6,017	25,861	0	0	0
3600	9,137	0,000	0,000	8,929	26,117	0	0	0
3720	6,818	0,000	0,000	6,845	25,969	0	0	0
3840	9,700	0,000	0,000	9,654	26,163	0	0	0
3960	9,644	0,000	0,000	9,739	26,141	0	0	0
4080	9,780	0,000	0,000	9,737	26,180	0	0	0
4200	9,948	0,000	0,000	9,902	26,198	0	0	0
4320	9,543	0,000	0,000	9,585	26,174	0	0	0
4440	9,255	0,000	0,000	9,244	26,138	0	0	0
4560	4,404	0,000	0,000	4,415	25,755	0	0	0
4680	11,390	0,000	0,000	11,341	26,275	0	0	0
4800	3,930	0,000	0,000	3,910	25,702	0	0	0
4920	3,474	0,000	0,000	3,454	25,640	0	0	0
5040	3,437	0,000	0,000	3,422	25,621	0	0	0
5160	3,620	0,000	0,000	3,603	25,636	0	0	0
5280	0,000	0,000	0,000	0,000	25,238	0	0	0
5400	0,000	0,000	0,000	0,000	25,185	0	0	0
5520	0,000	0,000	0,000	0,000	25,151	0	0	0
5640	0,000	0,000	0,000	0,000	25,125	0	0	0
5760	0,000	0,000	0,000	0,000	25,104	0	0	0
5880	4,202	0,000	0,000	4,183	25,580	0	0	0
6000	4,233	0,000	0,000	4,214	25,633	0	0	0

EXPERIMENTO 55



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
120	0,000	0,000	0,000	0,000	25,146	0	0	0
0	8,898	-0,002	4,808	4,056	25,513	0	0	0
120	8,108	0,000	4,083	4,362	26,026	0	0	0
240	8,215	0,001	3,749	4,857	26,074	0	0	0
360	7,931	0,000	3,646	4,996	26,086	0	0	0
480	9,130	-0,001	4,156	4,671	26,127	0	0	0
600	9,539	0,002	3,633	5,365	26,164	0	0	0
720	8,866	-0,001	3,963	4,964	26,164	0	0	0
840	8,972	0,001	3,749	4,717	26,138	0	0	0
960	8,311	0,002	3,937	4,347	26,121	0	0	0
1080	8,024	-0,001	4,356	3,779	26,093	0	0	0
1200	7,891	0,001	3,896	3,735	26,090	0	0	0
1320	7,893	0,000	4,282	3,628	26,081	0	0	0
1440	8,040	0,001	4,699	3,328	26,130	0	0	0
1560	8,238	-0,002	5,008	3,199	26,122	0	0	0
1680	8,805	0,000	5,186	3,590	26,160	0	0	0
1800	8,832	-0,002	4,541	3,933	26,169	0	0	0
1920	8,792	-0,001	4,531	4,403	26,204	0	0	0
2040	8,911	-0,001	4,361	4,546	26,211	0	0	0
2160	9,327	-0,001	4,056	4,642	26,233	0	0	0
2280	9,469	0,001	5,240	4,646	26,282	0	0	0
2400	9,570	0,000	5,184	4,587	26,281	0	0	0
2520	9,602	-0,001	4,793	4,654	26,288	0	0	0
2640	8,954	0,001	4,417	4,537	26,298	0	0	0
2760	9,035	0,001	4,427	4,412	26,298	0	0	0
2880	9,985	0,001	6,054	4,461	26,360	0	0	0
3000	10,642	-0,001	5,305	4,490	26,379	0	0	0
3120	4,453	0,000	0,000	4,432	25,881	0	0	0
3240	4,390	0,000	0,000	4,369	25,864	0	0	0
3360	4,345	0,000	0,000	4,325	25,856	0	0	0
3480	0,000	0,000	0,000	0,000	25,405	0	0	0

EXPERIMENTO 56



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
30	0,000	0,000	0,000	0,000	25,138	0	0	0
0	0,000	0,000	0,000	0,000	25,138	0	0	0
30	0,000	0,000	0,000	0,000	25,138	0	0	0
60	1,704	0,000	0,000	1,695	25,310	0	0	0
90	1,674	0,000	0,000	1,665	25,367	0	0	0
120	9,381	0,000	7,685	1,605	26,176	0	0	0
150	8,663	0,000	7,732	1,541	26,387	0	0	0
180	8,934	-0,001	6,455	1,467	26,463	0	0	0
210	8,554	0,000	6,836	1,402	26,512	0	0	0
240	8,562	0,001	7,450	1,344	26,536	0	0	0
270	11,467	-0,001	10,362	1,268	26,940	0	0	0
300	10,777	0,000	9,390	1,195	26,966	0	0	0
330	10,904	0,000	9,667	1,099	26,974	0	0	0
360	10,629	0,001	9,391	0,992	26,998	0	0	0
390	11,014	0,000	9,950	0,874	26,991	0	0	0
420	11,691	0,000	10,720	0,757	27,221	0	0	0
450	11,435	0,000	11,021	0,687	27,234	0	0	0
480	11,152	0,000	9,893	0,645	27,237	0	0	0
510	11,521	0,000	10,840	0,625	27,245	0	0	0
540	10,564	0,000	10,797	0,617	27,261	0	0	0
570	13,087	-0,001	12,258	0,604	27,873	0	0	0
600	13,343	0,000	12,120	0,634	27,893	0	0	0
630	12,586	0,000	12,430	0,670	27,894	0	0	0
660	12,709	0,001	11,960	0,729	27,908	0	0	0
690	12,606	0,000	12,087	0,781	27,923	0	0	0
720	13,054	0,000	11,911	0,821	27,923	0	0	0
750	12,816	0,000	11,800	0,859	27,942	0	0	0
780	12,770	0,000	12,070	0,895	27,942	0	0	0
810	12,807	0,000	11,647	0,946	27,954	0	0	0
840	12,745	0,000	11,956	0,979	27,957	0	0	0
870	13,255	0,000	11,434	1,005	27,966	0	0	0
900	12,697	0,000	11,748	1,038	27,969	0	0	0
930	13,018	-0,001	11,313	1,032	27,966	0	0	0
960	12,752	0,000	11,749	0,979	27,958	0	0	0
990	12,604	-0,001	11,631	0,914	27,941	0	0	0
1020	12,859	0,000	11,470	0,858	27,919	0	0	0
1050	13,110	0,000	11,465	0,821	27,910	0	0	0
1080	12,489	0,000	12,199	0,804	27,899	0	0	0
1110	12,832	0,000	11,526	0,776	27,897	0	0	0
1140	12,200	-0,001	12,077	0,742	27,882	0	0	0
1170	12,677	0,000	11,577	0,699	27,876	0	0	0
1200	12,724	0,000	11,400	0,657	27,868	0	0	0
1230	12,667	0,000	11,515	0,625	27,808	0	0	0
1260	12,425	0,000	12,011	0,604	27,832	0	0	0
1290	12,799	-0,001	11,417	0,595	27,824	0	0	0
1320	12,690	0,000	11,362	0,597	27,826	0	0	0
1350	12,790	0,000	11,310	0,606	27,829	0	0	0
1380	12,440	-0,001	11,641	0,611	27,833	0	0	0
1410	12,660	-0,001	11,374	0,608	27,829	0	0	0
1440	12,649	0,000	11,363	0,601	27,828	0	0	0
1470	12,562	-0,001	11,629	0,603	27,835	0	0	0
1500	12,741	-0,001	11,455	0,610	27,831	0	0	0

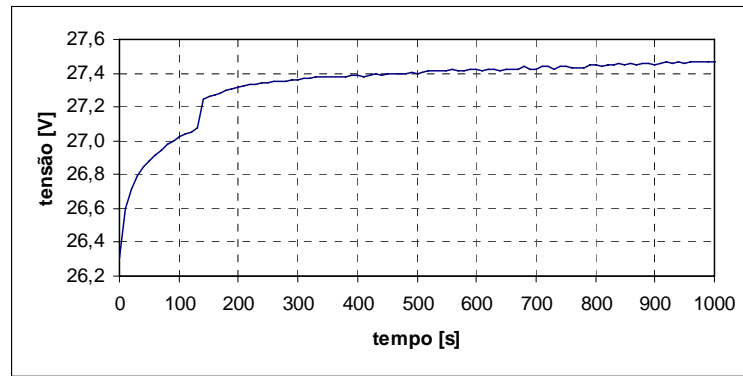
EXPERIMENTO 57

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1530	12,271	0,000	11,981	0,622	27,832	0	0	0
1560	12,072	0,001	11,903	0,637	27,837	0	0	0
1590	12,642	0,000	11,694	0,655	27,843	0	0	0
1620	12,673	-0,001	11,304	0,675	27,847	0	0	0
1650	12,435	0,001	11,467	0,696	27,850	0	0	0
1680	12,201	0,000	11,447	0,715	27,861	0	0	0
1710	12,742	0,000	11,249	0,724	27,859	0	0	0
1740	12,535	0,000	11,571	0,728	27,872	0	0	0
1770	9,804	0,000	8,565	0,773	27,043	0	0	0
1800	9,774	0,001	8,614	0,779	27,066	0	0	0
1830	10,512	0,000	9,650	0,782	27,319	0	0	0
1860	10,788	0,001	9,298	0,819	27,333	0	0	0
1890	10,029	0,000	9,706	0,872	27,361	0	0	0
1920	10,110	0,001	9,349	0,925	27,379	0	0	0
1950	10,078	-0,001	9,378	0,958	27,398	0	0	0
1980	10,665	0,000	9,462	0,992	27,401	0	0	0
2010	10,426	-0,001	9,123	1,034	27,418	0	0	0
2040	10,594	-0,001	9,087	1,082	27,434	0	0	0
2070	10,953	0,000	9,317	1,120	27,437	0	0	0
2100	10,033	0,000	9,104	1,113	27,440	0	0	0
2130	10,296	0,000	8,826	1,078	27,450	0	0	0
2160	9,979	0,000	8,793	1,047	27,453	0	0	0
2190	9,943	-0,001	9,258	1,012	27,452	0	0	0
2220	10,188	0,000	9,095	0,970	27,455	0	0	0
2250	10,479	0,000	8,882	0,913	27,453	0	0	0
2280	9,593	0,000	8,887	0,873	27,458	0	0	0
2310	9,610	0,000	9,399	0,853	27,464	0	0	0
2340	9,398	0,000	9,177	0,830	27,460	0	0	0
2370	9,716	0,000	9,158	0,796	27,465	0	0	0
2400	9,889	0,000	9,164	0,746	27,454	0	0	0
2430	9,851	0,000	8,620	0,690	27,454	0	0	0
2460	9,916	0,000	8,744	0,642	27,445	0	0	0
2490	10,498	-0,001	8,850	0,621	27,454	0	0	0
2520	10,006	-0,001	9,215	0,632	27,453	0	0	0
2550	9,476	-0,001	9,550	0,670	27,472	0	0	0
2580	9,311	0,001	9,444	0,723	27,484	0	0	0
2610	9,274	-0,001	9,120	0,766	27,498	0	0	0
2640	9,868	0,000	8,536	0,785	27,499	0	0	0
2670	0,842	0,000	0,000	0,837	26,234	0	0	0
2700	0,844	0,000	0,000	0,840	26,136	0	0	0
2730	0,830	0,000	0,000	0,825	26,089	0	0	0
2760	0,802	0,000	0,000	0,798	26,057	0	0	0
2790	0,782	0,000	0,000	0,778	26,033	0	0	0
2820	0,792	0,000	0,000	0,789	26,015	0	0	0
2850	0,838	0,000	0,000	0,835	26,004	0	0	0
2880	0,914	0,000	0,000	0,913	25,998	0	0	0
2910	1,022	0,000	0,000	1,020	25,997	0	0	0
2940	1,136	0,000	0,000	1,133	26,000	0	0	0
2970	10,939	0,000	9,433	1,154	27,338	0	0	0
3000	10,154	-0,001	9,067	1,137	27,523	0	0	0
3030	10,720	-0,001	8,852	1,095	27,557	0	0	0
3060	10,175	-0,001	9,315	1,068	27,568	0	0	0
3090	10,047	-0,001	9,162	1,094	27,579	0	0	0
3120	10,150	-0,001	8,862	1,174	27,588	0	0	0
3150	10,062	0,001	8,584	1,263	27,603	0	0	0
3180	10,008	0,001	8,712	1,382	27,626	0	0	0
3210	9,737	0,001	8,322	1,567	27,658	0	0	0
3240	10,640	-0,001	8,473	1,833	27,704	0	0	0
3270	10,855	0,000	8,103	2,127	27,752	0	0	0
3300	10,438	0,000	8,257	2,399	27,803	0	0	0
3330	10,264	-0,001	8,648	2,575	27,837	0	0	0
3360	10,793	0,000	7,825	2,713	27,852	0	0	0
3390	11,340	-0,001	7,622	2,851	27,877	0	0	0
3420	10,916	-0,001	7,740	2,978	27,910	0	0	0
3450	10,880	0,000	8,200	3,063	27,913	0	0	0
3480	10,846	0,000	7,933	3,074	27,921	0	0	0

EXPERIMENTO 57 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
3510	11,040	-0,001	7,398	3,026	27,898	0	0	0
3540	10,294	0,000	7,514	2,944	27,886	0	0	0
3570	10,381	0,000	7,768	2,816	27,863	0	0	0
3600	10,923	-0,001	7,750	2,660	28,059	0	0	0
3630	0,000	0,000	0,000	0,000	26,186	0	0	0
3660	0,000	0,000	0,000	0,000	26,089	0	0	0
3690	0,000	0,000	0,000	0,000	26,039	0	0	0
3720	0,000	0,000	0,000	0,000	26,004	0	0	0
3750	0,000	0,000	0,000	0,000	25,979	0	0	0
3780	0,000	0,000	0,000	0,000	25,958	0	0	0
3810	0,000	0,000	0,000	0,000	25,941	0	0	0
3840	0,000	0,000	0,000	0,000	25,926	0	0	0
3870	0,000	0,000	0,000	0,000	25,914	0	0	0
3900	0,000	0,000	0,000	0,000	25,902	0	0	0
3930	0,000	0,000	0,000	0,000	25,892	0	0	0
3960	0,000	0,000	0,000	0,000	25,883	0	0	0
3990	0,000	0,000	0,000	0,000	25,874	0	0	0

EXPERIMENTO 57 (continuação)

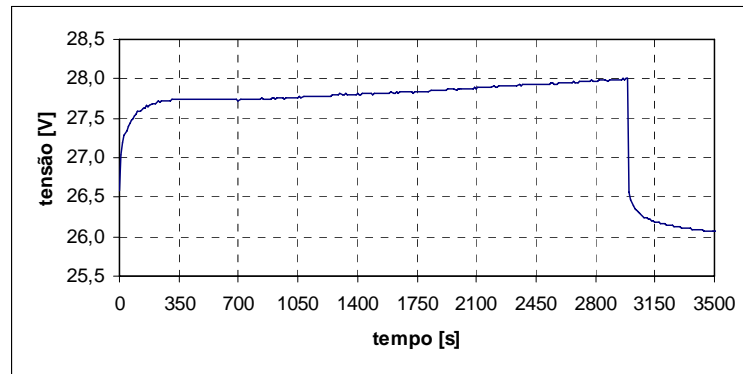


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,795	0	0	0
0	10,618	0,000	10,394	0,000	26,306	0	0	0
10	9,310	0,001	8,863	0,000	26,598	0	0	0
20	9,551	0,000	9,275	0,000	26,714	0	0	0
30	8,524	0,000	8,696	0,000	26,790	0	0	0
40	9,390	-0,001	9,467	0,000	26,844	0	0	0
50	9,319	0,000	8,569	0,000	26,886	0	0	0
60	8,551	0,000	8,395	0,000	26,916	0	0	0
70	8,165	-0,001	8,733	0,000	26,946	0	0	0
80	9,213	0,000	8,525	0,000	26,982	0	0	0
90	9,137	0,000	8,520	0,000	27,001	0	0	0
100	7,975	0,001	8,168	0,000	27,021	0	0	0
110	8,547	-0,001	8,914	0,000	27,040	0	0	0
120	8,122	0,000	8,098	0,000	27,054	0	0	0
130	9,014	-0,001	8,438	0,000	27,076	0	0	0
140	8,802	0,000	8,586	0,000	27,245	0	0	0
150	8,805	0,000	8,804	0,000	27,265	0	0	0
160	8,877	-0,001	8,735	0,000	27,276	0	0	0
170	8,972	0,000	9,253	0,000	27,284	0	0	0
180	9,004	0,001	8,322	0,000	27,297	0	0	0
190	8,471	-0,001	8,532	0,000	27,304	0	0	0
200	8,833	0,000	8,859	0,000	27,319	0	0	0
210	9,054	-0,001	8,384	0,000	27,325	0	0	0
220	8,379	0,001	8,673	0,000	27,338	0	0	0
230	8,927	0,000	8,750	0,000	27,335	0	0	0
240	8,836	-0,001	9,421	0,000	27,342	0	0	0
250	8,856	0,001	8,155	0,000	27,343	0	0	0
260	8,798	-0,001	8,321	0,000	27,351	0	0	0
270	8,454	0,000	8,812	0,000	27,353	0	0	0
280	8,827	0,000	8,820	0,000	27,351	0	0	0
290	8,951	-0,001	8,900	0,000	27,359	0	0	0
300	9,103	0,000	9,122	0,000	27,362	0	0	0
310	8,253	0,000	8,036	0,000	27,370	0	0	0
320	8,060	0,000	8,604	0,000	27,372	0	0	0
330	8,409	0,001	8,416	0,000	27,376	0	0	0
340	8,324	0,000	9,058	0,000	27,380	0	0	0
350	8,420	0,000	8,217	0,000	27,380	0	0	0
360	8,322	0,001	8,661	0,000	27,382	0	0	0
370	8,368	0,000	8,873	0,000	27,382	0	0	0
380	7,958	0,001	8,680	0,000	27,381	0	0	0
390	8,623	-0,001	9,164	0,000	27,385	0	0	0
400	8,693	-0,001	8,734	0,000	27,386	0	0	0
410	8,635	-0,001	8,660	0,000	27,382	0	0	0
420	9,116	0,000	8,536	0,000	27,384	0	0	0
430	8,210	0,001	8,159	0,000	27,400	0	0	0
440	8,556	-0,001	8,559	0,000	27,389	0	0	0
450	8,170	0,001	8,557	0,000	27,393	0	0	0
460	8,610	0,000	8,564	0,000	27,394	0	0	0
470	9,023	0,000	8,963	0,000	27,397	0	0	0
480	9,014	-0,001	8,512	0,000	27,396	0	0	0
490	8,737	0,000	8,691	0,000	27,404	0	0	0
500	8,576	0,000	8,459	0,000	27,399	0	0	0

EXPERIMENTO 58

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
510	8,607	0,000	8,523	0,000	27,406	0	0	0
520	8,610	0,000	9,090	0,000	27,410	0	0	0
530	8,074	0,000	8,313	0,000	27,410	0	0	0
540	8,324	0,001	8,193	0,000	27,416	0	0	0
550	8,072	0,001	8,640	0,000	27,417	0	0	0
560	7,979	0,000	8,317	0,000	27,421	0	0	0
570	8,239	0,000	8,433	0,000	27,417	0	0	0
580	8,098	0,000	8,255	0,000	27,411	0	0	0
590	8,301	0,001	8,197	0,000	27,422	0	0	0
600	8,266	-0,001	8,806	0,000	27,419	0	0	0
610	8,622	0,001	7,929	0,000	27,418	0	0	0
620	8,589	0,000	8,697	0,000	27,419	0	0	0
630	8,691	-0,001	8,228	0,000	27,420	0	0	0
640	7,948	0,001	8,030	0,000	27,416	0	0	0
650	9,122	0,000	8,500	0,000	27,426	0	0	0
660	8,923	-0,001	8,550	0,000	27,422	0	0	0
670	8,177	0,001	7,962	0,000	27,426	0	0	0
680	9,095	0,000	8,996	0,000	27,437	0	0	0
690	8,657	-0,001	8,188	0,000	27,424	0	0	0
700	8,251	0,000	8,481	0,000	27,426	0	0	0
710	8,579	0,000	8,427	0,000	27,437	0	0	0
720	7,810	0,001	8,550	0,000	27,439	0	0	0
730	8,116	0,000	7,826	0,000	27,426	0	0	0
740	8,503	0,000	8,425	0,000	27,439	0	0	0
750	8,221	0,000	7,980	0,000	27,437	0	0	0
760	8,188	-0,001	8,308	0,000	27,436	0	0	0
770	8,827	0,000	8,769	0,000	27,434	0	0	0
780	8,935	-0,001	8,381	0,000	27,435	0	0	0
790	8,200	0,000	8,475	0,000	27,448	0	0	0
800	8,375	0,000	7,773	0,000	27,447	0	0	0
810	8,870	-0,001	8,395	0,000	27,437	0	0	0
820	8,850	0,000	8,370	0,000	27,450	0	0	0
830	8,249	0,001	8,505	0,000	27,453	0	0	0
840	8,209	0,001	8,238	0,000	27,455	0	0	0
850	8,518	0,000	8,843	0,000	27,445	0	0	0
860	7,762	0,000	7,687	0,000	27,454	0	0	0
870	8,499	-0,001	8,259	0,000	27,446	0	0	0
880	8,275	0,000	8,337	0,000	27,456	0	0	0
890	8,713	-0,001	7,984	0,000	27,459	0	0	0
900	9,006	0,000	9,013	0,000	27,453	0	0	0
910	8,500	-0,001	8,302	0,000	27,454	0	0	0
920	8,039	0,000	8,467	0,000	27,465	0	0	0
930	8,113	0,000	7,982	0,000	27,460	0	0	0
940	8,376	0,001	8,482	0,000	27,468	0	0	0
950	8,302	0,000	8,180	0,000	27,461	0	0	0
960	8,824	0,000	8,796	0,000	27,469	0	0	0
970	8,576	0,000	8,347	0,000	27,469	0	0	0
980	8,835	0,000	8,033	0,000	27,466	0	0	0
990	8,744	0,000	8,294	0,000	27,463	0	0	0
1000	7,679	0,000	8,172	0,000	27,463	0	0	0

EXPERIMENTO 58 (continuação)



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,779	0	0	0
0	12,037	0,000	12,196	0,000	26,582	0	0	0
10	10,066	0,001	10,369	0,000	27,045	0	0	0
20	10,023	0,000	10,599	0,000	27,187	0	0	0
30	10,132	0,000	10,270	0,000	27,278	0	0	0
40	9,475	0,000	9,292	0,000	27,340	0	0	0
50	9,465	0,000	9,746	0,000	27,394	0	0	0
60	9,583	0,000	9,927	0,000	27,433	0	0	0
70	9,588	0,000	9,506	0,000	27,473	0	0	0
80	9,127	0,001	9,610	0,000	27,498	0	0	0
90	9,500	0,000	9,487	0,000	27,535	0	0	0
100	8,658	0,001	9,042	0,000	27,546	0	0	0
110	9,543	0,000	9,193	0,000	27,583	0	0	0
120	9,439	-0,001	9,661	0,000	27,596	0	0	0
130	8,722	0,000	9,181	0,000	27,609	0	0	0
140	9,435	0,000	8,649	0,000	27,627	0	0	0
150	8,745	0,001	8,489	0,000	27,633	0	0	0
160	9,104	0,000	8,619	0,000	27,656	0	0	0
170	9,067	0,000	8,681	0,000	27,653	0	0	0
180	9,173	0,000	8,606	0,000	27,674	0	0	0
190	9,359	-0,001	8,646	0,000	27,684	0	0	0
200	8,311	0,000	9,202	0,000	27,680	0	0	0
210	8,855	0,000	8,565	0,000	27,687	0	0	0
220	9,562	0,000	8,480	0,000	27,708	0	0	0
230	8,671	0,000	9,350	0,000	27,713	0	0	0
240	8,636	0,000	8,942	0,000	27,712	0	0	0
250	8,919	0,001	8,628	0,000	27,715	0	0	0
260	9,399	-0,001	8,784	0,000	27,731	0	0	0
270	8,824	0,000	8,791	0,000	27,717	0	0	0
280	8,488	0,000	8,816	0,000	27,729	0	0	0
290	9,135	0,000	8,631	0,000	27,729	0	0	0
300	9,177	0,001	8,524	0,000	27,731	0	0	0
310	9,304	-0,001	8,771	0,000	27,746	0	0	0
320	8,914	0,000	8,734	0,000	27,742	0	0	0
330	8,939	0,000	8,608	0,000	27,739	0	0	0
340	8,274	-0,001	9,282	0,000	27,742	0	0	0
350	8,668	0,000	8,812	0,000	27,747	0	0	0
360	9,110	-0,001	8,070	0,000	27,741	0	0	0
370	8,531	-0,001	8,817	0,000	27,745	0	0	0
380	8,528	0,000	8,239	0,000	27,747	0	0	0
390	8,828	-0,001	9,054	0,000	27,744	0	0	0
400	8,906	0,000	8,706	0,000	27,743	0	0	0
410	8,567	0,000	8,874	0,000	27,743	0	0	0
420	8,311	0,001	8,324	0,000	27,740	0	0	0
430	8,794	-0,001	9,048	0,000	27,748	0	0	0
440	8,551	0,000	8,511	0,000	27,739	0	0	0
450	8,289	0,000	9,088	0,000	27,746	0	0	0
460	8,739	-0,001	9,094	0,000	27,743	0	0	0
470	8,532	0,001	8,342	0,000	27,748	0	0	0
480	9,079	-0,001	8,470	0,000	27,747	0	0	0
490	9,087	-0,001	8,710	0,000	27,745	0	0	0
500	8,595	0,000	8,701	0,000	27,740	0	0	0

EXPERIMENTO 59

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
510	9,004	0,000	8,200	0,000	27,747	0	0	0
520	9,106	-0,001	8,843	0,000	27,745	0	0	0
530	8,787	-0,001	8,329	0,000	27,740	0	0	0
540	8,818	-0,001	8,274	0,000	27,748	0	0	0
550	9,127	0,000	8,365	0,000	27,737	0	0	0
560	8,277	0,001	8,582	0,000	27,736	0	0	0
570	8,893	-0,001	8,954	0,000	27,738	0	0	0
580	8,494	-0,001	8,813	0,000	27,735	0	0	0
590	8,447	0,000	8,423	0,000	27,738	0	0	0
600	8,712	-0,001	8,577	0,000	27,740	0	0	0
610	8,648	-0,001	8,864	0,000	27,737	0	0	0
620	8,848	0,001	8,596	0,000	27,734	0	0	0
630	8,757	-0,001	8,817	0,000	27,743	0	0	0
640	8,424	-0,001	9,128	0,000	27,738	0	0	0
650	8,272	0,001	8,077	0,000	27,739	0	0	0
660	8,953	0,000	8,017	0,000	27,741	0	0	0
670	8,413	0,001	8,395	0,000	27,736	0	0	0
680	8,634	-0,001	8,332	0,000	27,741	0	0	0
690	8,301	-0,001	9,225	0,000	27,737	0	0	0
700	8,625	0,001	8,377	0,000	27,728	0	0	0
710	9,139	-0,001	8,618	0,000	27,741	0	0	0
720	8,491	-0,001	8,665	0,000	27,740	0	0	0
730	8,412	0,000	8,344	0,000	27,733	0	0	0
740	8,597	-0,001	8,285	0,000	27,737	0	0	0
750	8,126	0,000	8,627	0,000	27,733	0	0	0
760	8,916	0,000	8,904	0,000	27,742	0	0	0
770	8,244	0,000	8,760	0,000	27,742	0	0	0
780	8,946	0,000	8,203	0,000	27,739	0	0	0
790	8,426	0,000	8,812	0,000	27,740	0	0	0
800	8,612	-0,001	8,269	0,000	27,745	0	0	0
810	8,049	0,000	8,530	0,000	27,747	0	0	0
820	9,024	0,000	8,880	0,000	27,747	0	0	0
830	8,393	0,000	9,035	0,000	27,744	0	0	0
840	8,919	-0,001	8,311	0,000	27,753	0	0	0
850	8,254	0,000	8,596	0,000	27,748	0	0	0
860	8,505	-0,001	9,128	0,000	27,747	0	0	0
870	8,752	0,000	7,885	0,000	27,745	0	0	0
880	8,649	0,001	8,186	0,000	27,747	0	0	0
890	8,076	0,001	8,777	0,000	27,744	0	0	0
900	9,178	-0,001	8,219	0,000	27,751	0	0	0
910	8,184	-0,001	9,032	0,000	27,753	0	0	0
920	8,631	0,000	8,521	0,000	27,747	0	0	0
930	9,211	-0,001	8,553	0,000	27,756	0	0	0
940	8,980	-0,001	8,556	0,000	27,754	0	0	0
950	8,544	0,001	8,735	0,000	27,764	0	0	0
960	8,881	0,000	8,513	0,000	27,756	0	0	0
970	7,892	0,001	8,360	0,000	27,749	0	0	0
980	8,588	0,000	8,306	0,000	27,753	0	0	0
990	8,892	0,000	7,947	0,000	27,758	0	0	0
1000	8,632	-0,001	8,263	0,000	27,752	0	0	0
1010	8,235	0,000	8,194	0,000	27,760	0	0	0
1020	9,139	-0,001	8,211	0,000	27,764	0	0	0
1030	8,327	0,000	8,652	0,000	27,758	0	0	0
1040	8,214	0,000	7,831	0,000	27,759	0	0	0
1050	8,376	0,001	8,655	0,000	27,766	0	0	0
1060	8,969	0,000	8,777	0,000	27,772	0	0	0
1070	8,010	0,001	8,816	0,000	27,765	0	0	0
1080	8,253	0,001	8,276	0,000	27,771	0	0	0
1090	9,074	-0,001	8,231	0,000	27,776	0	0	0
1100	8,456	-0,001	8,541	0,000	27,779	0	0	0
1110	8,573	0,000	8,672	0,000	27,773	0	0	0
1120	8,221	0,001	8,098	0,000	27,771	0	0	0
1130	8,699	0,000	7,997	0,000	27,784	0	0	0
1140	8,488	0,000	8,151	0,000	27,776	0	0	0
1150	8,649	0,000	8,052	0,000	27,783	0	0	0
1160	7,990	0,001	8,910	0,000	27,777	0	0	0
1170	8,447	0,000	7,982	0,000	27,780	0	0	0

EXPERIMENTO 59 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1180	8,907	0,000	8,169	0,000	27,772	0	0	0
1190	8,437	-0,001	8,123	0,000	27,780	0	0	0
1200	8,225	0,000	8,777	0,000	27,774	0	0	0
1210	7,969	0,000	8,399	0,000	27,784	0	0	0
1220	7,805	0,000	8,458	0,000	27,773	0	0	0
1230	8,097	0,001	8,367	0,000	27,787	0	0	0
1240	8,582	-0,001	8,711	0,000	27,784	0	0	0
1250	9,011	0,000	8,497	0,000	27,796	0	0	0
1260	8,715	-0,001	8,883	0,000	27,796	0	0	0
1270	8,203	0,000	8,009	0,000	27,800	0	0	0
1280	8,578	0,000	8,801	0,000	27,804	0	0	0
1290	8,384	0,000	8,907	0,000	27,794	0	0	0
1300	8,644	-0,001	8,939	0,000	27,808	0	0	0
1310	8,457	-0,001	7,764	0,000	27,789	0	0	0
1320	8,060	0,000	8,651	0,000	27,798	0	0	0
1330	7,980	-0,001	8,834	0,000	27,811	0	0	0
1340	8,336	0,001	8,938	0,000	27,802	0	0	0
1350	8,199	0,001	8,231	0,000	27,805	0	0	0
1360	8,669	0,000	8,595	0,000	27,801	0	0	0
1370	8,359	0,001	8,356	0,000	27,802	0	0	0
1380	9,014	-0,001	8,460	0,000	27,803	0	0	0
1390	8,738	0,000	8,461	0,000	27,805	0	0	0
1400	8,052	0,000	8,913	0,000	27,808	0	0	0
1410	8,017	0,001	8,023	0,000	27,801	0	0	0
1420	8,131	0,001	8,028	0,000	27,799	0	0	0
1430	8,638	-0,001	8,163	0,000	27,811	0	0	0
1440	8,823	-0,001	8,414	0,000	27,809	0	0	0
1450	8,341	0,001	8,160	0,000	27,807	0	0	0
1460	8,193	0,000	7,938	0,000	27,810	0	0	0
1470	8,371	0,000	8,382	0,000	27,809	0	0	0
1480	8,365	0,000	8,359	0,000	27,807	0	0	0
1490	7,869	-0,001	8,906	0,000	27,805	0	0	0
1500	8,418	-0,001	8,108	0,000	27,817	0	0	0
1510	8,586	-0,001	8,951	0,000	27,816	0	0	0
1520	8,451	0,000	8,367	0,000	27,811	0	0	0
1530	7,988	0,000	8,876	0,000	27,809	0	0	0
1540	8,071	0,000	8,504	0,000	27,814	0	0	0
1550	8,650	0,000	8,212	0,000	27,823	0	0	0
1560	7,810	0,000	8,445	0,000	27,817	0	0	0
1570	8,721	0,000	8,049	0,000	27,816	0	0	0
1580	7,971	-0,001	8,858	0,000	27,811	0	0	0
1590	8,042	0,000	7,894	0,000	27,810	0	0	0
1600	8,615	0,000	8,629	0,000	27,828	0	0	0
1610	8,349	0,000	8,711	0,000	27,820	0	0	0
1620	8,339	0,000	8,605	0,000	27,823	0	0	0
1630	8,328	-0,002	8,364	0,000	27,826	0	0	0
1640	8,372	0,001	7,731	0,000	27,820	0	0	0
1650	8,357	0,001	8,110	0,000	27,829	0	0	0
1660	8,003	0,001	8,291	0,000	27,829	0	0	0
1670	8,068	0,001	8,290	0,000	27,828	0	0	0
1680	7,997	0,001	8,340	0,000	27,831	0	0	0
1690	8,035	-0,001	8,283	0,000	27,831	0	0	0
1700	8,801	-0,002	8,808	0,000	27,828	0	0	0
1710	8,125	0,000	8,342	0,000	27,831	0	0	0
1720	8,617	0,000	8,662	0,000	27,834	0	0	0
1730	7,626	0,001	8,627	0,000	27,825	0	0	0
1740	7,630	0,002	8,423	0,000	27,837	0	0	0
1750	8,448	0,000	8,779	0,000	27,828	0	0	0
1760	8,133	0,000	8,258	0,000	27,838	0	0	0
1770	7,965	-0,001	8,267	0,000	27,844	0	0	0
1780	8,309	-0,001	8,758	0,000	27,842	0	0	0
1790	8,046	0,000	7,552	0,000	27,833	0	0	0
1800	8,121	0,000	8,245	0,000	27,836	0	0	0
1810	8,630	0,000	8,607	0,000	27,843	0	0	0
1820	7,701	0,001	8,416	0,000	27,842	0	0	0
1830	8,637	-0,001	8,296	0,000	27,849	0	0	0

EXPERIMENTO 59 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1840	8,520	0,000	8,275	0,000	27,850	0	0	0
1850	7,990	0,001	8,096	0,000	27,851	0	0	0
1860	8,290	-0,001	8,029	0,000	27,853	0	0	0
1870	8,584	-0,001	8,362	0,000	27,851	0	0	0
1880	7,846	0,000	7,512	0,000	27,851	0	0	0
1890	8,425	-0,001	8,388	0,000	27,858	0	0	0
1900	8,313	0,000	8,014	0,000	27,856	0	0	0
1910	8,220	0,000	7,908	0,000	27,856	0	0	0
1920	8,668	-0,001	7,791	0,000	27,861	0	0	0
1930	8,789	0,000	7,916	0,000	27,864	0	0	0
1940	8,024	0,000	8,426	0,000	27,865	0	0	0
1950	8,275	-0,001	7,896	0,000	27,875	0	0	0
1960	8,424	-0,001	8,874	0,000	27,867	0	0	0
1970	7,896	-0,001	8,403	0,000	27,869	0	0	0
1980	8,643	0,000	7,729	0,000	27,863	0	0	0
1990	8,632	0,000	7,767	0,000	27,872	0	0	0
2000	8,169	-0,001	8,258	0,000	27,865	0	0	0
2010	8,748	-0,001	8,072	0,000	27,874	0	0	0
2020	8,366	-0,001	8,284	0,000	27,871	0	0	0
2030	8,066	0,001	7,847	0,000	27,874	0	0	0
2040	8,250	0,000	8,012	0,000	27,881	0	0	0
2050	8,262	0,000	8,083	0,000	27,878	0	0	0
2060	7,833	0,001	7,988	0,000	27,876	0	0	0
2070	7,848	0,000	7,504	0,000	27,881	0	0	0
2080	7,702	0,001	8,627	0,000	27,879	0	0	0
2090	8,586	0,000	7,613	0,000	27,884	0	0	0
2100	7,792	0,000	8,161	0,000	27,878	0	0	0
2110	8,246	-0,001	8,706	0,000	27,886	0	0	0
2120	8,446	0,000	7,456	0,000	27,887	0	0	0
2130	8,026	0,000	8,646	0,000	27,893	0	0	0
2140	7,875	0,001	8,648	0,000	27,883	0	0	0
2150	8,247	0,000	7,611	0,000	27,887	0	0	0
2160	8,242	-0,001	8,206	0,000	27,893	0	0	0
2170	8,249	0,001	7,619	0,000	27,889	0	0	0
2180	7,981	0,000	8,193	0,000	27,890	0	0	0
2190	8,568	0,000	7,678	0,000	27,899	0	0	0
2200	8,616	-0,001	8,418	0,000	27,906	0	0	0
2210	8,294	0,000	8,326	0,000	27,900	0	0	0
2220	7,631	0,000	7,898	0,000	27,899	0	0	0
2230	7,825	-0,001	8,175	0,000	27,910	0	0	0
2240	8,099	0,000	7,998	0,000	27,906	0	0	0
2250	8,488	-0,002	8,558	0,000	27,912	0	0	0
2260	7,783	-0,001	8,271	0,000	27,910	0	0	0
2270	7,454	-0,001	8,228	0,000	27,910	0	0	0
2280	7,733	0,001	7,745	0,000	27,904	0	0	0
2290	8,108	0,001	7,746	0,000	27,917	0	0	0
2300	8,321	0,001	7,905	0,000	27,917	0	0	0
2310	8,476	0,000	7,445	0,000	27,918	0	0	0
2320	7,796	0,000	7,810	0,000	27,912	0	0	0
2330	7,783	0,001	7,816	0,000	27,912	0	0	0
2340	8,298	-0,001	7,739	0,000	27,916	0	0	0
2350	7,963	0,000	8,141	0,000	27,922	0	0	0
2360	7,594	0,001	8,185	0,000	27,920	0	0	0
2370	8,064	0,001	8,320	0,000	27,934	0	0	0
2380	7,572	0,000	8,406	0,000	27,924	0	0	0
2390	7,851	0,001	7,892	0,000	27,923	0	0	0
2400	7,552	0,000	8,395	0,000	27,935	0	0	0
2410	8,187	0,000	7,660	0,000	27,931	0	0	0
2420	8,300	0,000	8,342	0,000	27,936	0	0	0
2430	8,284	0,000	8,188	0,000	27,924	0	0	0
2440	8,117	-0,001	8,322	0,000	27,930	0	0	0
2450	7,418	0,000	7,697	0,000	27,930	0	0	0
2460	7,678	0,000	7,500	0,000	27,933	0	0	0
2470	8,006	0,000	7,690	0,000	27,931	0	0	0
2480	8,371	-0,001	8,236	0,000	27,938	0	0	0
2490	7,958	0,000	8,183	0,000	27,923	0	0	0
2500	8,002	0,001	8,139	0,000	27,934	0	0	0

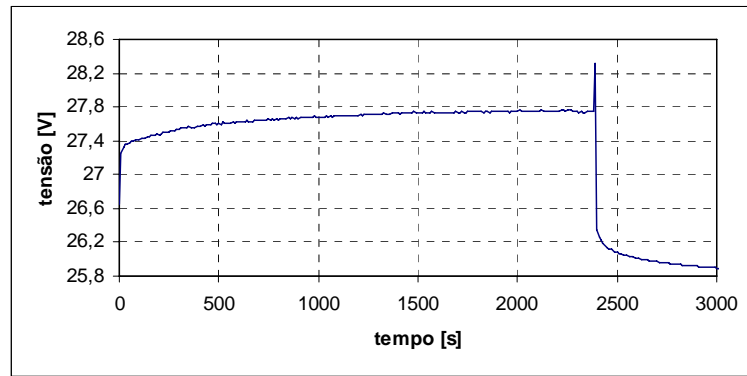
EXPERIMENTO 59 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
2510	8,015	0,000	8,424	0,000	27,932	0	0	0
2520	7,609	0,000	8,227	0,000	27,930	0	0	0
2530	7,417	0,001	7,696	0,000	27,927	0	0	0
2540	8,135	0,000	7,636	0,000	27,943	0	0	0
2550	8,186	0,000	8,177	0,000	27,943	0	0	0
2560	8,032	0,001	8,001	0,000	27,934	0	0	0
2570	7,657	0,001	7,976	0,000	27,937	0	0	0
2580	8,010	-0,001	7,993	0,000	27,952	0	0	0
2590	8,306	0,000	7,673	0,000	27,946	0	0	0
2600	7,375	0,000	8,023	0,000	27,945	0	0	0
2610	8,032	-0,001	7,557	0,000	27,957	0	0	0
2620	7,951	0,000	7,676	0,000	27,955	0	0	0
2630	8,330	-0,001	8,029	0,000	27,954	0	0	0
2640	7,573	0,000	8,369	0,000	27,946	0	0	0
2650	7,690	0,000	7,975	0,000	27,949	0	0	0
2660	8,398	0,001	7,493	0,000	27,950	0	0	0
2670	8,008	-0,001	8,165	0,000	27,968	0	0	0
2680	8,006	-0,001	8,373	0,000	27,958	0	0	0
2690	8,032	0,000	8,155	0,000	27,954	0	0	0
2700	7,458	0,000	7,565	0,000	27,958	0	0	0
2710	7,975	-0,001	8,324	0,000	27,972	0	0	0
2720	8,395	0,001	7,583	0,000	27,969	0	0	0
2730	8,000	0,000	7,588	0,000	27,965	0	0	0
2740	8,009	0,000	7,774	0,000	27,970	0	0	0
2750	8,454	0,000	7,313	0,000	27,974	0	0	0
2760	8,005	0,000	8,621	0,000	27,971	0	0	0
2770	8,442	0,000	7,967	0,000	27,977	0	0	0
2780	8,061	-0,001	8,311	0,000	27,984	0	0	0
2790	7,597	0,001	8,318	0,000	27,975	0	0	0
2800	7,833	0,001	7,789	0,000	27,972	0	0	0
2810	7,757	0,001	8,167	0,000	27,976	0	0	0
2820	7,410	0,000	8,089	0,000	27,984	0	0	0
2830	8,084	0,000	7,777	0,000	27,980	0	0	0
2840	7,428	0,000	8,464	0,000	27,986	0	0	0
2850	7,731	0,000	8,351	0,000	27,982	0	0	0
2860	7,863	-0,001	7,933	0,000	27,979	0	0	0
2870	7,657	0,001	7,533	0,000	27,970	0	0	0
2880	7,223	0,001	7,850	0,000	27,983	0	0	0
2890	7,864	-0,001	8,026	0,000	27,991	0	0	0
2900	7,414	0,001	8,151	0,000	27,984	0	0	0
2910	8,179	-0,001	7,654	0,000	27,994	0	0	0
2920	8,273	0,000	7,540	0,000	27,995	0	0	0
2930	7,504	-0,001	7,827	0,000	27,995	0	0	0
2940	7,302	0,000	8,167	0,000	27,987	0	0	0
2950	7,531	0,000	7,744	0,000	27,988	0	0	0
2960	7,999	-0,001	7,505	0,000	27,998	0	0	0
2970	7,979	-0,001	7,526	0,000	27,994	0	0	0
2980	7,636	0,001	7,647	0,000	27,998	0	0	0
2990	7,347	-0,001	7,654	0,000	28,001	0	0	0
3000	0,000	0,000	0,000	0,000	26,560	0	0	0
3010	0,000	0,000	0,000	0,000	26,459	0	0	0
3020	0,000	0,000	0,000	0,000	26,400	0	0	0
3030	0,000	0,000	0,000	0,000	26,360	0	0	0
3040	0,000	0,000	0,000	0,000	26,331	0	0	0
3050	0,000	0,000	0,000	0,000	26,307	0	0	0
3060	0,000	0,000	0,000	0,000	26,288	0	0	0
3070	0,000	0,000	0,000	0,000	26,272	0	0	0
3080	0,000	0,000	0,000	0,000	26,257	0	0	0
3090	0,000	0,000	0,000	0,000	26,245	0	0	0
3100	0,000	0,000	0,000	0,000	26,234	0	0	0
3110	0,000	0,000	0,000	0,000	26,224	0	0	0
3120	0,000	0,000	0,000	0,000	26,214	0	0	0
3130	0,000	0,000	0,000	0,000	26,206	0	0	0
3140	0,000	0,000	0,000	0,000	26,198	0	0	0
3150	0,000	0,000	0,000	0,000	26,191	0	0	0
3160	0,000	0,000	0,000	0,000	26,184	0	0	0
3170	0,000	0,000	0,000	0,000	26,178	0	0	0
3180	0,000	0,000	0,000	0,000	26,172	0	0	0

EXPERIMENTO 59 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
3190	0,000	0,000	0,000	0,000	26,166	0	0	0
3200	0,000	0,000	0,000	0,000	26,161	0	0	0
3210	0,000	0,000	0,000	0,000	26,156	0	0	0
3220	0,000	0,000	0,000	0,000	26,151	0	0	0
3230	0,000	0,000	0,000	0,000	26,146	0	0	0
3240	0,000	0,000	0,000	0,000	26,142	0	0	0
3250	0,000	0,000	0,000	0,000	26,138	0	0	0
3260	0,000	0,000	0,000	0,000	26,134	0	0	0
3270	0,000	0,000	0,000	0,000	26,130	0	0	0
3280	0,000	0,000	0,000	0,000	26,125	0	0	0
3290	0,000	0,000	0,000	0,000	26,122	0	0	0
3300	0,000	0,000	0,000	0,000	26,118	0	0	0
3310	0,000	0,000	0,000	0,000	26,115	0	0	0
3320	0,000	0,000	0,000	0,000	26,112	0	0	0
3330	0,000	0,000	0,000	0,000	26,109	0	0	0
3340	0,000	0,000	0,000	0,000	26,106	0	0	0
3350	0,000	0,000	0,000	0,000	26,103	0	0	0
3360	0,000	0,000	0,000	0,000	26,100	0	0	0
3370	0,000	0,000	0,000	0,000	26,097	0	0	0
3380	0,000	0,000	0,000	0,000	26,094	0	0	0
3390	0,000	0,000	0,000	0,000	26,091	0	0	0
3400	0,000	0,000	0,000	0,000	26,089	0	0	0
3410	0,000	0,000	0,000	0,000	26,086	0	0	0
3420	0,000	0,000	0,000	0,000	26,084	0	0	0
3430	0,000	0,000	0,000	0,000	26,081	0	0	0
3440	0,000	0,000	0,000	0,000	26,078	0	0	0
3450	0,000	0,000	0,000	0,000	26,076	0	0	0
3460	0,000	0,000	0,000	0,000	26,074	0	0	0
3470	0,000	0,000	0,000	0,000	26,071	0	0	0
3480	0,000	0,000	0,000	0,000	26,069	0	0	0
3490	0,000	0,000	0,000	0,000	26,067	0	0	0
3500	0,000	0,000	0,000	0,000	26,065	0	0	0

EXPERIMENTO 59 (continuação)



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,798	0	0	0
0	9,643	0,000	8,931	0,000	26,646	0	0	0
10	6,987	0,000	6,885	0,000	27,251	0	0	0
20	6,840	0,002	6,756	0,000	27,317	0	0	0
30	6,717	0,000	6,315	0,000	27,351	0	0	0
40	6,754	0,000	6,701	0,000	27,360	0	0	0
50	6,611	-0,001	6,591	0,000	27,384	0	0	0
60	7,293	0,000	6,141	0,000	27,392	0	0	0
70	6,276	0,000	6,232	0,000	27,394	0	0	0
80	6,349	-0,002	5,861	0,000	27,409	0	0	0
90	6,639	-0,001	6,619	0,000	27,414	0	0	0
100	6,484	0,000	6,765	0,000	27,420	0	0	0
110	6,515	-0,001	6,094	0,000	27,431	0	0	0
120	6,387	0,000	6,678	0,000	27,434	0	0	0
130	6,891	0,001	6,964	0,000	27,439	0	0	0
140	5,703	0,000	5,719	0,000	27,452	0	0	0
150	6,235	-0,001	5,710	0,000	27,451	0	0	0
160	6,863	0,000	6,586	0,000	27,468	0	0	0
170	5,642	0,000	5,835	0,000	27,469	0	0	0
180	6,405	-0,001	6,358	0,000	27,472	0	0	0
190	6,745	0,001	6,662	0,000	27,484	0	0	0
200	5,648	0,000	6,134	0,000	27,473	0	0	0
210	5,851	0,000	6,700	0,000	27,479	0	0	0
220	6,267	0,001	5,548	0,000	27,499	0	0	0
230	6,425	0,001	6,824	0,000	27,494	0	0	0
240	6,621	0,001	6,580	0,000	27,497	0	0	0
250	5,969	0,000	5,787	0,000	27,502	0	0	0
260	5,979	0,000	6,030	0,000	27,511	0	0	0
270	6,602	0,001	6,561	0,000	27,517	0	0	0
280	5,447	0,000	6,129	0,000	27,523	0	0	0
290	6,088	0,002	6,111	0,000	27,532	0	0	0
300	5,753	-0,001	6,026	0,000	27,537	0	0	0
310	5,545	-0,001	5,606	0,000	27,549	0	0	0
320	6,034	0,000	6,114	0,000	27,551	0	0	0
330	6,143	-0,001	5,955	0,000	27,549	0	0	0
340	5,425	-0,001	5,612	0,000	27,562	0	0	0
350	6,162	0,001	5,958	0,000	27,565	0	0	0
360	5,621	-0,001	5,316	0,000	27,558	0	0	0
370	6,443	0,001	6,230	0,000	27,563	0	0	0
380	6,230	0,001	6,478	0,000	27,561	0	0	0
390	5,559	0,000	5,378	0,000	27,574	0	0	0
400	6,230	0,000	6,257	0,000	27,573	0	0	0
410	6,059	-0,001	5,828	0,000	27,571	0	0	0
420	5,509	0,000	5,228	0,000	27,583	0	0	0
430	6,198	0,001	6,056	0,000	27,575	0	0	0
440	5,216	-0,001	5,514	0,000	27,592	0	0	0
450	5,940	0,001	5,811	0,000	27,588	0	0	0
460	5,549	0,000	5,660	0,000	27,591	0	0	0
470	5,668	0,000	5,932	0,000	27,601	0	0	0
480	5,792	0,001	6,369	0,000	27,600	0	0	0
490	5,485	-0,002	5,203	0,000	27,595	0	0	0
500	6,095	0,000	6,237	0,000	27,605	0	0	0

EXPERIMENTO 60

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
510	5,534	0,001	5,479	0,000	27,596	0	0	0
520	5,374	0,000	5,788	0,000	27,617	0	0	0
530	5,784	0,000	6,283	0,000	27,608	0	0	0
540	5,087	-0,001	5,516	0,000	27,613	0	0	0
550	6,143	0,000	5,760	0,000	27,614	0	0	0
560	5,916	0,000	5,341	0,000	27,610	0	0	0
570	5,422	-0,001	5,740	0,000	27,628	0	0	0
580	5,909	-0,001	6,181	0,000	27,615	0	0	0
590	5,321	-0,001	5,372	0,000	27,631	0	0	0
600	5,867	0,002	6,119	0,000	27,627	0	0	0
610	5,122	0,000	5,251	0,000	27,623	0	0	0
620	6,121	0,002	5,871	0,000	27,632	0	0	0
630	5,337	-0,001	5,709	0,000	27,630	0	0	0
640	5,357	-0,001	5,642	0,000	27,636	0	0	0
650	5,682	0,000	5,784	0,000	27,626	0	0	0
660	5,608	-0,001	5,201	0,000	27,633	0	0	0
670	5,589	0,001	5,997	0,000	27,633	0	0	0
680	4,963	0,000	5,173	0,000	27,643	0	0	0
690	5,660	0,001	5,603	0,000	27,646	0	0	0
700	4,978	0,000	5,442	0,000	27,641	0	0	0
710	5,716	0,001	6,005	0,000	27,648	0	0	0
720	5,719	-0,001	5,344	0,000	27,637	0	0	0
730	5,277	-0,001	5,703	0,000	27,651	0	0	0
740	5,269	0,001	5,850	0,000	27,638	0	0	0
750	5,177	0,000	5,183	0,000	27,652	0	0	0
760	6,043	0,001	5,977	0,000	27,641	0	0	0
770	5,218	-0,001	5,107	0,000	27,654	0	0	0
780	5,768	0,000	5,185	0,000	27,650	0	0	0
790	5,964	0,001	5,650	0,000	27,661	0	0	0
800	5,559	0,000	5,310	0,000	27,651	0	0	0
810	6,015	0,001	5,132	0,000	27,665	0	0	0
820	5,220	0,000	5,396	0,000	27,659	0	0	0
830	5,392	0,000	5,608	0,000	27,668	0	0	0
840	5,651	0,000	5,712	0,000	27,654	0	0	0
850	5,415	-0,001	5,396	0,000	27,671	0	0	0
860	5,959	0,000	5,796	0,000	27,664	0	0	0
870	4,982	-0,002	4,800	0,000	27,673	0	0	0
880	6,146	0,000	6,141	0,000	27,666	0	0	0
890	4,816	0,000	5,357	0,000	27,670	0	0	0
900	5,936	0,000	5,542	0,000	27,666	0	0	0
910	4,831	-0,001	4,848	0,000	27,681	0	0	0
920	6,106	0,001	5,464	0,000	27,673	0	0	0
930	5,639	-0,001	5,535	0,000	27,673	0	0	0
940	5,136	0,000	5,045	0,000	27,686	0	0	0
950	5,659	-0,001	5,125	0,000	27,671	0	0	0
960	5,490	0,001	5,649	0,000	27,680	0	0	0
970	5,498	-0,001	5,586	0,000	27,677	0	0	0
980	5,485	-0,001	5,543	0,000	27,688	0	0	0
990	5,340	0,000	5,644	0,000	27,682	0	0	0
1000	5,027	0,000	5,486	0,000	27,685	0	0	0
1010	5,501	0,001	5,435	0,000	27,681	0	0	0
1020	5,434	0,000	5,147	0,000	27,685	0	0	0
1030	5,928	0,000	5,733	0,000	27,678	0	0	0
1040	4,891	-0,001	4,780	0,000	27,689	0	0	0
1050	5,069	0,000	5,249	0,000	27,687	0	0	0
1060	5,153	0,000	5,152	0,000	27,699	0	0	0
1070	5,788	0,001	5,833	0,000	27,683	0	0	0
1080	5,090	-0,002	4,998	0,000	27,698	0	0	0
1090	5,149	0,000	5,621	0,000	27,691	0	0	0
1100	5,236	-0,001	5,365	0,000	27,701	0	0	0
1110	5,753	0,000	5,827	0,000	27,691	0	0	0
1120	5,503	0,001	5,342	0,000	27,696	0	0	0
1130	5,324	0,000	5,389	0,000	27,698	0	0	0
1140	5,667	0,002	5,278	0,000	27,696	0	0	0
1150	5,872	0,001	5,323	0,000	27,691	0	0	0
1160	5,475	0,000	5,143	0,000	27,703	0	0	0
1170	5,399	0,000	5,574	0,000	27,702	0	0	0

EXPERIMENTO 60 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1180	5,301	-0,001	4,793	0,000	27,699	0	0	0
1190	5,538	0,001	5,257	0,000	27,704	0	0	0
1200	4,971	0,000	4,666	0,000	27,704	0	0	0
1210	5,355	0,000	5,305	0,000	27,710	0	0	0
1220	5,388	-0,001	5,737	0,000	27,704	0	0	0
1230	5,372	0,000	5,366	0,000	27,716	0	0	0
1240	5,496	0,000	5,417	0,000	27,711	0	0	0
1250	5,320	-0,001	4,623	0,000	27,719	0	0	0
1260	5,462	0,001	5,636	0,000	27,715	0	0	0
1270	5,094	0,000	5,283	0,000	27,715	0	0	0
1280	5,302	0,000	5,372	0,000	27,720	0	0	0
1290	4,975	0,000	4,966	0,000	27,715	0	0	0
1300	5,246	0,000	4,750	0,000	27,720	0	0	0
1310	5,660	0,000	5,599	0,000	27,717	0	0	0
1320	5,231	0,000	5,219	0,000	27,718	0	0	0
1330	5,331	0,000	5,425	0,000	27,724	0	0	0
1340	5,667	0,001	5,716	0,000	27,714	0	0	0
1350	4,871	-0,001	5,211	0,000	27,719	0	0	0
1360	5,617	0,001	5,320	0,000	27,720	0	0	0
1370	5,413	0,001	5,873	0,000	27,724	0	0	0
1380	4,817	0,000	4,910	0,000	27,724	0	0	0
1390	5,706	-0,001	4,906	0,000	27,738	0	0	0
1400	5,755	0,001	5,570	0,000	27,725	0	0	0
1410	5,128	0,001	5,483	0,000	27,721	0	0	0
1420	4,642	-0,001	4,926	0,000	27,736	0	0	0
1430	5,709	0,000	4,861	0,000	27,736	0	0	0
1440	5,706	0,000	5,898	0,000	27,730	0	0	0
1450	5,187	0,001	5,273	0,000	27,735	0	0	0
1460	5,293	0,000	4,979	0,000	27,734	0	0	0
1470	4,987	-0,001	4,607	0,000	27,740	0	0	0
1480	5,285	0,000	5,384	0,000	27,745	0	0	0
1490	5,830	0,001	5,270	0,000	27,740	0	0	0
1500	5,189	0,000	5,396	0,000	27,732	0	0	0
1510	5,325	-0,001	5,134	0,000	27,731	0	0	0
1520	5,026	0,000	5,198	0,000	27,737	0	0	0
1530	5,580	0,000	5,663	0,000	27,746	0	0	0
1540	5,169	0,000	5,580	0,000	27,734	0	0	0
1550	5,365	-0,001	5,147	0,000	27,736	0	0	0
1560	4,566	-0,001	4,607	0,000	27,739	0	0	0
1570	5,688	0,001	5,275	0,000	27,745	0	0	0
1580	5,167	0,001	5,654	0,000	27,728	0	0	0
1590	4,759	0,000	5,063	0,000	27,740	0	0	0
1600	5,652	0,000	5,284	0,000	27,739	0	0	0
1610	5,842	0,000	5,556	0,000	27,733	0	0	0
1620	5,012	0,000	4,896	0,000	27,736	0	0	0
1630	4,815	-0,001	5,084	0,000	27,738	0	0	0
1640	5,430	0,000	5,348	0,000	27,735	0	0	0
1650	4,830	-0,001	5,262	0,000	27,733	0	0	0
1660	5,202	0,000	5,090	0,000	27,740	0	0	0
1670	5,524	0,001	5,191	0,000	27,738	0	0	0
1680	5,006	0,000	4,666	0,000	27,734	0	0	0
1690	4,895	-0,001	5,301	0,000	27,741	0	0	0
1700	5,689	0,001	5,425	0,000	27,739	0	0	0
1710	5,218	-0,001	4,919	0,000	27,740	0	0	0
1720	4,905	0,001	4,908	0,000	27,746	0	0	0
1730	5,140	0,000	5,340	0,000	27,737	0	0	0
1740	4,862	-0,001	4,676	0,000	27,739	0	0	0
1750	5,483	0,002	5,097	0,000	27,744	0	0	0
1760	5,245	0,000	5,600	0,000	27,743	0	0	0
1770	4,706	0,000	4,912	0,000	27,746	0	0	0
1780	4,837	-0,001	5,294	0,000	27,746	0	0	0
1790	5,787	0,000	5,395	0,000	27,749	0	0	0
1800	4,840	0,001	5,198	0,000	27,744	0	0	0
1810	4,735	0,000	5,088	0,000	27,748	0	0	0
1820	5,647	0,000	5,505	0,000	27,741	0	0	0
1830	5,481	0,001	5,568	0,000	27,740	0	0	0
1840	4,786	-0,001	4,583	0,000	27,748	0	0	0

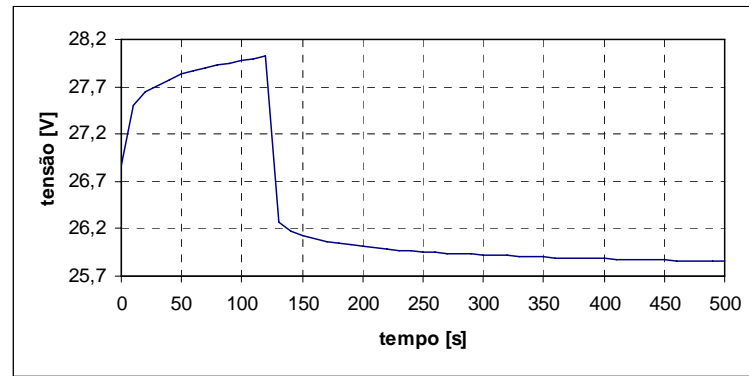
EXPERIMENTO 60 (continuação)

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
1850	5,248	-0,001	4,768	0,000	27,747	0	0	0
1860	5,104	0,001	5,143	0,000	27,737	0	0	0
1870	5,171	-0,001	4,712	0,000	27,742	0	0	0
1880	4,892	-0,001	5,238	0,000	27,751	0	0	0
1890	5,284	0,001	5,114	0,000	27,746	0	0	0
1900	5,147	-0,002	4,594	0,000	27,747	0	0	0
1910	5,566	0,001	4,736	0,000	27,750	0	0	0
1920	5,159	0,000	5,179	0,000	27,744	0	0	0
1930	5,102	-0,002	4,671	0,000	27,747	0	0	0
1940	4,839	-0,001	4,718	0,000	27,753	0	0	0
1950	5,116	0,001	5,279	0,000	27,746	0	0	0
1960	4,550	-0,001	4,662	0,000	27,739	0	0	0
1970	5,057	0,000	4,473	0,000	27,748	0	0	0
1980	4,876	0,000	4,788	0,000	27,757	0	0	0
1990	5,103	-0,001	5,022	0,000	27,743	0	0	0
2000	5,031	0,000	4,599	0,000	27,752	0	0	0
2010	5,219	0,000	4,754	0,000	27,760	0	0	0
2020	5,302	0,001	5,274	0,000	27,750	0	0	0
2030	5,184	0,000	5,506	0,000	27,744	0	0	0
2040	5,557	-0,001	4,732	0,000	27,756	0	0	0
2050	5,501	0,000	5,553	0,000	27,751	0	0	0
2060	5,172	0,000	5,081	0,000	27,749	0	0	0
2070	4,710	-0,001	5,081	0,000	27,748	0	0	0
2080	5,160	0,002	5,472	0,000	27,756	0	0	0
2090	4,858	0,000	5,202	0,000	27,752	0	0	0
2100	4,810	0,000	5,072	0,000	27,751	0	0	0
2110	5,253	-0,002	4,848	0,000	27,756	0	0	0
2120	5,614	0,000	5,605	0,000	27,760	0	0	0
2130	5,147	-0,002	4,554	0,000	27,752	0	0	0
2140	5,057	0,000	4,874	0,000	27,752	0	0	0
2150	4,921	0,000	4,805	0,000	27,756	0	0	0
2160	5,030	0,002	5,430	0,000	27,749	0	0	0
2170	4,607	0,000	4,496	0,000	27,750	0	0	0
2180	5,238	-0,002	4,934	0,000	27,755	0	0	0
2190	5,075	0,000	5,752	0,000	27,751	0	0	0
2200	5,101	0,000	4,801	0,000	27,751	0	0	0
2210	4,744	0,000	4,861	0,000	27,758	0	0	0
2220	5,788	0,001	5,033	0,000	27,766	0	0	0
2230	5,761	0,001	5,564	0,000	27,759	0	0	0
2240	4,913	-0,001	5,386	0,000	27,756	0	0	0
2250	4,607	-0,001	4,946	0,000	27,762	0	0	0
2260	4,857	-0,001	4,629	0,000	27,763	0	0	0
2270	5,472	0,001	5,338	0,000	27,761	0	0	0
2280	5,537	0,001	5,490	0,000	27,755	0	0	0
2290	5,042	0,000	4,771	0,000	27,751	0	0	0
2300	5,427	0,000	4,659	0,000	27,749	0	0	0
2310	4,452	-0,001	4,387	0,000	27,740	0	0	0
2320	5,424	0,002	4,866	0,000	27,743	0	0	0
2330	4,663	-0,001	4,564	0,000	27,740	0	0	0
2340	5,056	0,001	5,571	0,000	27,740	0	0	0
2350	4,422	0,000	4,769	0,000	27,742	0	0	0
2360	5,699	0,000	5,130	0,000	27,750	0	0	0
2370	4,798	-0,001	4,795	0,000	27,741	0	0	0
2380	5,505	-0,001	4,747	0,000	27,751	0	0	0
2390	6,111	-0,001	5,643	0,000	28,317	0	0	0
2400	0,000	0,000	0,000	0,000	26,351	0	0	0
2410	-0,001	0,000	0,000	0,000	26,267	0	0	0
2420	0,000	0,000	0,000	0,000	26,220	0	0	0
2430	0,000	0,000	0,000	0,000	26,187	0	0	0
2440	0,000	0,000	0,000	0,000	26,163	0	0	0
2450	0,000	0,000	0,000	0,000	26,143	0	0	0
2460	0,000	0,000	0,000	0,000	26,127	0	0	0
2470	0,000	0,000	0,000	0,000	26,113	0	0	0
2480	0,000	0,000	0,000	0,000	26,101	0	0	0
2490	0,000	0,000	0,000	0,000	26,090	0	0	0
2500	0,000	0,000	0,000	0,000	26,079	0	0	0

EXPERIMENTO 60 (continuação)

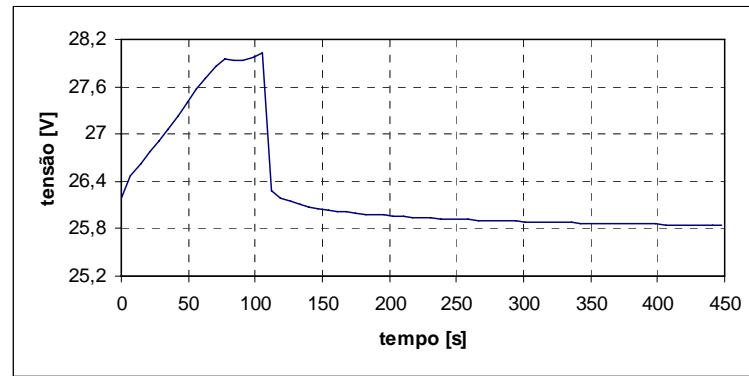
t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
2510	0,000	0,000	0,000	0,000	26,071	0	0	0
2520	0,000	0,000	0,000	0,000	26,062	0	0	0
2530	0,000	0,000	0,000	0,000	26,055	0	0	0
2540	0,000	0,000	0,000	0,000	26,047	0	0	0
2550	0,000	0,000	0,000	0,000	26,040	0	0	0
2560	0,000	0,000	0,000	0,000	26,034	0	0	0
2570	0,000	0,000	0,000	0,000	26,028	0	0	0
2580	0,000	0,000	0,000	0,000	26,022	0	0	0
2590	0,000	0,000	0,000	0,000	26,017	0	0	0
2600	0,000	0,000	0,000	0,000	26,011	0	0	0
2610	0,000	0,000	0,000	0,000	26,007	0	0	0
2620	0,000	0,000	0,000	0,000	26,002	0	0	0
2630	0,000	0,000	0,000	0,000	25,997	0	0	0
2640	0,000	0,000	0,000	0,000	25,993	0	0	0
2650	0,000	0,000	0,000	0,000	25,989	0	0	0
2660	0,000	0,000	0,000	0,000	25,985	0	0	0
2670	0,000	0,000	0,000	0,000	25,981	0	0	0
2680	0,000	0,000	0,000	0,000	25,977	0	0	0
2690	0,000	0,000	0,000	0,000	25,974	0	0	0
2700	0,000	0,000	0,000	0,000	25,970	0	0	0
2710	0,000	0,000	0,000	0,000	25,967	0	0	0
2720	0,000	0,000	0,000	0,000	25,964	0	0	0
2730	0,000	0,000	0,000	0,000	25,960	0	0	0
2740	0,000	0,000	0,000	0,000	25,957	0	0	0
2750	0,000	0,000	0,000	0,000	25,954	0	0	0
2760	0,000	0,000	0,000	0,000	25,951	0	0	0
2770	0,000	0,000	0,000	0,000	25,948	0	0	0
2780	0,000	0,000	0,000	0,000	25,945	0	0	0
2790	0,000	0,000	0,000	0,000	25,943	0	0	0
2800	0,000	0,000	0,000	0,000	25,940	0	0	0
2810	0,000	0,000	0,000	0,000	25,938	0	0	0
2820	0,000	0,000	0,000	0,000	25,935	0	0	0
2830	0,000	0,000	0,000	0,000	25,932	0	0	0
2840	0,000	0,000	0,000	0,000	25,930	0	0	0
2850	0,000	0,000	0,000	0,000	25,928	0	0	0
2860	0,000	0,000	0,000	0,000	25,925	0	0	0
2870	0,000	0,000	0,000	0,000	25,923	0	0	0
2880	0,000	0,000	0,000	0,000	25,921	0	0	0
2890	0,000	0,000	0,000	0,000	25,919	0	0	0
2900	0,000	0,000	0,000	0,000	25,917	0	0	0
2910	0,000	0,000	0,000	0,000	25,914	0	0	0
2920	0,000	0,000	0,000	0,000	25,912	0	0	0
2930	0,000	0,000	0,000	0,000	25,910	0	0	0
2940	0,000	0,000	0,000	0,000	25,908	0	0	0
2950	0,000	0,000	0,000	0,000	25,906	0	0	0
2960	0,000	0,000	0,000	0,000	25,904	0	0	0
2970	0,000	0,000	0,000	0,000	25,903	0	0	0
2980	0,000	0,000	0,000	0,000	25,901	0	0	0
2990	0,000	0,000	0,000	0,000	25,899	0	0	0
3000	0,000	0,000	0,000	0,000	25,897	0	0	0

EXPERIMENTO 60 (continuação)



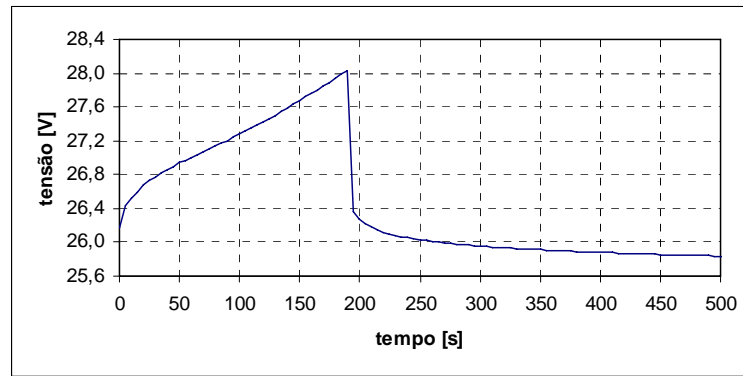
t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
10	0,000	0,000	0,000	0,000	25,853	0	0	0
0	9,157	0,000	9,135	0,000	26,872	0	0	0
10	7,215	0,001	6,067	0,000	27,504	0	0	0
20	6,571	0,000	7,031	0,000	27,644	0	0	0
30	6,721	0,001	5,581	0,000	27,713	0	0	0
40	5,449	0,000	6,575	0,000	27,778	0	0	0
50	5,797	-0,001	6,485	0,000	27,829	0	0	0
60	6,402	0,001	5,513	0,000	27,864	0	0	0
70	5,818	0,000	5,632	0,000	27,899	0	0	0
80	5,936	0,001	5,686	0,000	27,936	0	0	0
90	6,360	-0,001	5,129	0,000	27,954	0	0	0
100	4,994	-0,001	5,585	0,000	27,984	0	0	0
110	5,527	0,000	4,910	0,000	27,997	0	0	0
120	4,958	0,001	5,711	0,000	28,029	0	0	0
130	0,000	0,000	0,000	0,000	26,267	0	0	0
140	0,000	0,000	0,000	0,000	26,177	0	0	0
150	0,000	0,000	0,000	0,000	26,126	0	0	0
160	0,000	0,000	0,000	0,000	26,090	0	0	0
170	0,000	0,000	0,000	0,000	26,064	0	0	0
180	0,000	0,000	0,000	0,000	26,043	0	0	0
190	0,000	0,000	0,000	0,000	26,026	0	0	0
200	0,000	0,000	0,000	0,000	26,010	0	0	0
210	0,000	0,000	0,000	0,000	25,997	0	0	0
220	0,000	0,000	0,000	0,000	25,986	0	0	0
230	0,000	0,000	0,000	0,000	25,976	0	0	0
240	0,000	0,000	0,000	0,000	25,967	0	0	0
250	0,000	0,000	0,000	0,000	25,958	0	0	0
260	0,000	0,000	0,000	0,000	25,950	0	0	0
270	0,000	0,000	0,000	0,000	25,943	0	0	0
280	0,000	0,000	0,000	0,000	25,936	0	0	0
290	0,000	0,000	0,000	0,000	25,930	0	0	0
300	0,000	0,000	0,000	0,000	25,924	0	0	0
310	0,000	0,000	0,000	0,000	25,919	0	0	0
320	0,000	0,000	0,000	0,000	25,914	0	0	0
330	0,000	0,000	0,000	0,000	25,909	0	0	0
340	0,000	0,000	0,000	0,000	25,905	0	0	0
350	0,000	0,000	0,000	0,000	25,901	0	0	0
360	0,000	0,000	0,000	0,000	25,896	0	0	0
370	0,000	0,000	0,000	0,000	25,893	0	0	0
380	0,000	0,000	0,000	0,000	25,889	0	0	0
390	0,000	0,000	0,000	0,000	25,886	0	0	0
400	0,000	0,000	0,000	0,000	25,882	0	0	0
410	0,000	0,000	0,000	0,000	25,879	0	0	0
420	0,000	0,000	0,000	0,000	25,876	0	0	0
430	0,000	0,000	0,000	0,000	25,874	0	0	0
440	0,000	0,000	0,000	0,000	25,871	0	0	0
450	0,000	0,000	0,000	0,000	25,868	0	0	0
460	0,000	0,000	0,000	0,000	25,866	0	0	0
470	0,000	0,000	0,000	0,000	25,864	0	0	0
480	0,000	0,000	0,000	0,000	25,861	0	0	0
490	0,000	0,000	0,000	0,000	25,859	0	0	0
500	0,000	0,000	0,000	0,000	25,857	0	0	0

EXPERIMENTO 61



t	ibat	lc	lgh	lgf	Vbat	ki	ks	kgh
7	0,000	0,000	0,000	0,000	25,835	0	0	0
0	4,796	0,000	0,000	4,781	26,182	0	0	0
7	4,911	0,000	0,000	4,899	26,478	0	0	0
14	5,007	0,000	0,000	4,996	26,630	0	0	0
21	5,109	0,000	0,000	5,096	26,769	0	0	0
28	5,204	0,000	0,000	5,190	26,909	0	0	0
35	5,296	0,000	0,000	5,282	27,064	0	0	0
42	5,374	0,000	0,000	5,355	27,229	0	0	0
49	5,450	0,000	0,000	5,438	27,403	0	0	0
56	5,521	0,000	0,000	5,495	27,581	0	0	0
63	5,528	0,000	0,000	5,501	27,710	0	0	0
70	5,597	0,000	0,000	5,590	27,866	0	0	0
77	5,587	0,000	0,000	5,539	27,947	0	0	0
84	5,477	0,000	0,000	5,446	27,926	0	0	0
91	5,423	0,000	0,000	5,393	27,931	0	0	0
98	5,425	0,000	0,000	5,403	27,965	0	0	0
105	5,458	0,000	0,000	5,435	28,025	0	0	0
112	0,000	0,000	0,000	0,000	26,282	0	0	0
119	0,000	0,000	0,000	0,000	26,193	0	0	0
126	0,000	0,000	0,000	0,000	26,141	0	0	0
133	0,000	0,000	0,000	0,000	26,105	0	0	0
140	0,000	0,000	0,000	0,000	26,077	0	0	0
147	0,000	0,000	0,000	0,000	26,055	0	0	0
154	0,000	0,000	0,000	0,000	26,038	0	0	0
161	0,000	0,000	0,000	0,000	26,022	0	0	0
168	0,000	0,000	0,000	0,000	26,009	0	0	0
175	0,000	0,000	0,000	0,000	25,997	0	0	0
182	0,000	0,000	0,000	0,000	25,987	0	0	0
189	0,000	0,000	0,000	0,000	25,977	0	0	0
196	0,000	0,000	0,000	0,000	25,969	0	0	0
203	0,000	0,000	0,000	0,000	25,961	0	0	0
210	0,000	0,000	0,000	0,000	25,954	0	0	0
217	0,000	0,000	0,000	0,000	25,948	0	0	0
224	0,000	0,000	0,000	0,000	25,941	0	0	0
231	0,000	0,000	0,000	0,000	25,935	0	0	0
238	0,000	0,000	0,000	0,000	25,930	0	0	0
245	0,000	0,000	0,000	0,000	25,925	0	0	0
252	0,000	0,000	0,000	0,000	25,920	0	0	0
259	0,000	0,000	0,000	0,000	25,916	0	0	0
266	0,000	0,000	0,000	0,000	25,911	0	0	0
273	0,000	0,000	0,000	0,000	25,907	0	0	0
280	0,000	0,000	0,000	0,000	25,903	0	0	0
287	0,000	0,000	0,000	0,000	25,899	0	0	0
294	0,000	0,000	0,000	0,000	25,896	0	0	0
301	0,000	0,000	0,000	0,000	25,892	0	0	0
308	0,000	0,000	0,000	0,000	25,889	0	0	0
315	0,000	0,000	0,000	0,000	25,886	0	0	0
322	0,000	0,000	0,000	0,000	25,883	0	0	0
329	0,000	0,000	0,000	0,000	25,880	0	0	0
336	0,000	0,000	0,000	0,000	25,877	0	0	0
343	0,000	0,000	0,000	0,000	25,874	0	0	0
350	0,000	0,000	0,000	0,000	25,872	0	0	0

EXPERIMENTO 62

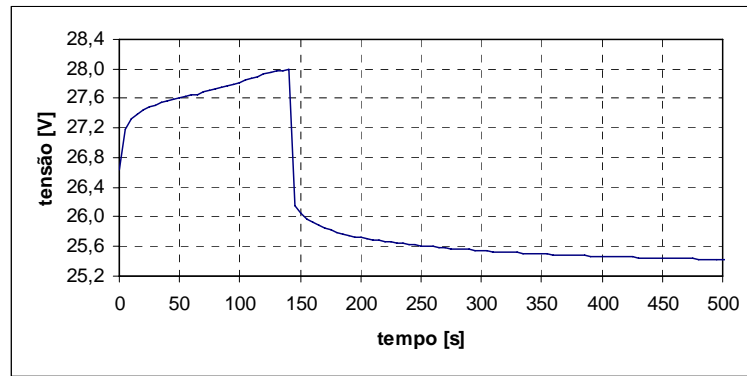


t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
5	0,000	0,000	0,000	0,000	25,624	0	0	0
0	9,219	-0,001	6,477	2,517	26,175	0	0	0
5	8,815	0,000	5,687	2,532	26,430	0	0	0
10	8,998	-0,002	5,559	2,563	26,528	0	0	0
15	8,088	0,000	6,114	2,604	26,598	0	0	0
20	7,945	-0,001	5,624	2,642	26,673	0	0	0
25	8,092	-0,002	5,522	2,680	26,729	0	0	0
30	8,252	0,000	5,813	2,723	26,770	0	0	0
35	8,186	0,001	5,150	2,759	26,820	0	0	0
40	8,088	0,001	5,617	2,799	26,859	0	0	0
45	7,670	0,000	4,983	2,843	26,898	0	0	0
50	8,420	-0,001	4,989	2,889	26,940	0	0	0
55	7,971	0,000	5,098	2,937	26,967	0	0	0
60	7,408	0,001	5,323	2,986	26,993	0	0	0
65	7,282	0,001	5,226	3,030	27,038	0	0	0
70	7,602	0,002	4,711	3,079	27,073	0	0	0
75	7,294	0,000	5,066	3,123	27,109	0	0	0
80	7,701	-0,002	4,583	3,160	27,138	0	0	0
85	7,510	-0,001	4,137	3,192	27,171	0	0	0
90	7,948	0,000	4,558	3,229	27,200	0	0	0
95	7,918	-0,001	4,458	3,268	27,242	0	0	0
100	8,012	0,001	4,165	3,309	27,277	0	0	0
105	7,732	0,001	4,367	3,349	27,313	0	0	0
110	7,434	0,000	4,762	3,385	27,357	0	0	0
115	7,768	0,001	3,608	3,427	27,394	0	0	0
120	7,901	0,000	3,758	3,459	27,433	0	0	0
125	7,489	0,000	3,765	3,495	27,465	0	0	0
130	7,405	0,001	3,941	3,529	27,503	0	0	0
135	7,738	0,000	3,590	3,559	27,547	0	0	0
140	7,510	0,000	3,208	3,589	27,591	0	0	0
145	7,594	0,000	3,158	3,621	27,630	0	0	0
150	6,689	-0,001	3,847	3,649	27,674	0	0	0
155	7,513	-0,001	3,810	3,672	27,718	0	0	0
160	6,600	0,000	3,876	3,699	27,757	0	0	0
165	6,610	0,001	3,320	3,726	27,803	0	0	0
170	6,842	-0,001	3,253	3,749	27,854	0	0	0
175	7,002	-0,001	3,109	3,769	27,894	0	0	0
180	6,579	0,000	2,621	3,785	27,937	0	0	0
185	6,951	-0,001	3,183	3,804	27,985	0	0	0
190	6,846	0,001	3,309	3,821	28,021	0	0	0
195	0,000	0,000	0,000	0,000	26,368	0	0	0
200	0,000	0,000	0,000	0,000	26,272	0	0	0
205	0,000	0,000	0,000	0,000	26,216	0	0	0
210	0,000	0,000	0,000	0,000	26,176	0	0	0
215	0,000	0,000	0,000	0,000	26,145	0	0	0
220	0,000	0,000	0,000	0,000	26,120	0	0	0
225	0,000	0,000	0,000	0,000	26,100	0	0	0
230	0,000	0,000	0,000	0,000	26,082	0	0	0
235	0,000	0,000	0,000	0,000	26,067	0	0	0
240	0,000	0,000	0,000	0,000	26,053	0	0	0
245	0,000	0,000	0,000	0,000	26,041	0	0	0
250	0,000	0,000	0,000	0,000	26,030	0	0	0

EXPERIMENTO 63

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
255	0,000	0,000	0,000	0,000	26,020	0	0	0
260	0,000	0,000	0,000	0,000	26,011	0	0	0
265	0,000	0,000	0,000	0,000	26,002	0	0	0
270	0,000	0,000	0,000	0,000	25,994	0	0	0
275	0,000	0,000	0,000	0,000	25,987	0	0	0
280	0,000	0,000	0,000	0,000	25,980	0	0	0
285	0,000	0,000	0,000	0,000	25,973	0	0	0
290	0,000	0,000	0,000	0,000	25,967	0	0	0
295	0,000	0,000	0,000	0,000	25,961	0	0	0
300	0,000	0,000	0,000	0,000	25,956	0	0	0
305	0,000	0,000	0,000	0,000	25,950	0	0	0
310	0,000	0,000	0,000	0,000	25,945	0	0	0
315	0,000	0,000	0,000	0,000	25,940	0	0	0
320	0,000	0,000	0,000	0,000	25,936	0	0	0
325	0,000	0,000	0,000	0,000	25,931	0	0	0
330	0,000	0,000	0,000	0,000	25,927	0	0	0
335	0,000	0,000	0,000	0,000	25,923	0	0	0
340	0,000	0,000	0,000	0,000	25,918	0	0	0
345	0,000	0,000	0,000	0,000	25,915	0	0	0
350	0,000	0,000	0,000	0,000	25,911	0	0	0
355	0,000	0,000	0,000	0,000	25,908	0	0	0
360	0,000	0,000	0,000	0,000	25,904	0	0	0
365	0,000	0,000	0,000	0,000	25,901	0	0	0
370	0,000	0,000	0,000	0,000	25,898	0	0	0
375	0,000	0,000	0,000	0,000	25,895	0	0	0
380	0,000	0,000	0,000	0,000	25,892	0	0	0
385	0,000	0,000	0,000	0,000	25,888	0	0	0
390	0,000	0,000	0,000	0,000	25,885	0	0	0
395	0,000	0,000	0,000	0,000	25,883	0	0	0
400	0,000	0,000	0,000	0,000	25,880	0	0	0
405	0,000	0,000	0,000	0,000	25,877	0	0	0
410	0,000	0,000	0,000	0,000	25,875	0	0	0
415	0,000	0,000	0,000	0,000	25,872	0	0	0
420	0,000	0,000	0,000	0,000	25,870	0	0	0
425	0,000	0,000	0,000	0,000	25,867	0	0	0
430	0,000	0,000	0,000	0,000	25,865	0	0	0
435	0,000	0,000	0,000	0,000	25,862	0	0	0
440	0,000	0,000	0,000	0,000	25,860	0	0	0
445	0,000	0,000	0,000	0,000	25,858	0	0	0
450	0,000	0,000	0,000	0,000	25,856	0	0	0
455	0,000	0,000	0,000	0,000	25,854	0	0	0
460	0,000	0,000	0,000	0,000	25,852	0	0	0
465	0,000	0,000	0,000	0,000	25,850	0	0	0
470	0,000	0,000	0,000	0,000	25,848	0	0	0
475	0,000	0,000	0,000	0,000	25,846	0	0	0
480	0,000	0,000	0,000	0,000	25,844	0	0	0
485	0,000	0,000	0,000	0,000	25,842	0	0	0
490	0,000	0,000	0,000	0,000	25,840	0	0	0
495	0,000	0,000	0,000	0,000	25,838	0	0	0
500	0,000	0,000	0,000	0,000	25,836	0	0	0

EXPERIMENTO 63 (continuação)



t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
5	0,000	0,000	0,000	0,000	25,757	0	0	0
0	9,828	2,185	6,074	4,839	26,643	0	0	0
5	7,300	2,204	3,879	4,767	27,190	0	0	0
10	6,811	2,207	3,694	4,718	27,331	0	0	0
15	6,679	2,205	4,300	4,677	27,395	0	0	0
20	6,230	2,209	4,438	4,635	27,454	0	0	0
25	6,176	2,213	3,939	4,597	27,484	0	0	0
30	5,887	2,209	3,908	4,561	27,514	0	0	0
35	6,360	2,208	4,441	4,537	27,546	0	0	0
40	6,530	2,213	4,148	4,513	27,564	0	0	0
45	5,804	2,212	3,770	4,495	27,593	0	0	0
50	5,886	2,214	3,581	4,479	27,616	0	0	0
55	6,170	2,216	3,427	4,460	27,627	0	0	0
60	5,998	2,215	3,114	4,450	27,645	0	0	0
65	6,127	2,211	4,077	4,457	27,659	0	0	0
70	5,829	2,213	3,851	4,479	27,686	0	0	0
75	5,956	2,215	3,510	4,504	27,708	0	0	0
80	6,288	2,217	3,272	4,537	27,729	0	0	0
85	6,224	2,214	3,982	4,560	27,751	0	0	0
90	5,594	2,221	3,230	4,584	27,774	0	0	0
95	5,661	2,222	2,904	4,619	27,792	0	0	0
100	5,949	2,218	3,692	4,653	27,820	0	0	0
105	5,887	2,219	2,992	4,700	27,858	0	0	0
110	5,612	2,223	3,364	4,759	27,874	0	0	0
115	5,947	2,222	3,355	4,808	27,903	0	0	0
120	5,531	2,223	2,949	4,840	27,933	0	0	0
125	5,701	2,224	3,116	4,880	27,947	0	0	0
130	5,980	2,224	3,337	4,900	27,972	0	0	0
135	5,327	2,228	3,043	4,924	27,984	0	0	0
140	6,000	2,227	2,895	4,937	28,003	0	0	0
145	-2,128	2,127	0,000	0,000	26,156	0	0	0
150	-2,122	2,121	0,000	0,000	26,042	0	0	0
155	-2,119	2,118	0,000	0,000	25,970	0	0	0
160	-2,116	2,116	0,000	0,000	25,919	0	0	0
165	-2,115	2,114	0,000	0,000	25,879	0	0	0
170	-2,113	2,112	0,000	0,000	25,846	0	0	0
175	-2,112	2,111	0,000	0,000	25,818	0	0	0
180	-2,111	2,110	0,000	0,000	25,794	0	0	0
185	-2,110	2,109	0,000	0,000	25,773	0	0	0
190	-2,109	2,108	0,000	0,000	25,753	0	0	0
195	-2,108	2,108	0,000	0,000	25,736	0	0	0
200	-2,107	2,107	0,000	0,000	25,721	0	0	0
205	-2,106	2,106	0,000	0,000	25,706	0	0	0
210	-2,106	2,106	0,000	0,000	25,693	0	0	0
215	-2,105	2,105	0,000	0,000	25,680	0	0	0
220	-2,105	2,104	0,000	0,000	25,668	0	0	0
225	-2,104	2,104	0,000	0,000	25,657	0	0	0
230	-2,104	2,103	0,000	0,000	25,647	0	0	0
235	-2,103	2,103	0,000	0,000	25,637	0	0	0
240	-2,103	2,103	0,000	0,000	25,628	0	0	0
245	-2,103	2,102	0,000	0,000	25,619	0	0	0
250	-2,102	2,102	0,000	0,000	25,610	0	0	0

EXPERIMENTO 64

t	lbat	lc	lgh	lgf	Vbat	ki	ks	kgh
255	-2,102	2,102	0,000	0,000	25,603	0	0	0
260	-2,102	2,101	0,000	0,000	25,595	0	0	0
265	-2,101	2,101	0,000	0,000	25,587	0	0	0
270	-2,101	2,101	0,000	0,000	25,580	0	0	0
275	-2,101	2,100	0,000	0,000	25,574	0	0	0
280	-2,100	2,100	0,000	0,000	25,567	0	0	0
285	-2,100	2,100	0,000	0,000	25,561	0	0	0
290	-2,100	2,099	0,000	0,000	25,555	0	0	0
295	-2,100	2,099	0,000	0,000	25,550	0	0	0
300	-2,099	2,099	0,000	0,000	25,544	0	0	0
305	-2,099	2,099	0,000	0,000	25,539	0	0	0
310	-2,099	2,099	0,000	0,000	25,534	0	0	0
315	-2,099	2,098	0,000	0,000	25,529	0	0	0
320	-2,098	2,098	0,000	0,000	25,524	0	0	0
325	-2,098	2,098	0,000	0,000	25,520	0	0	0
330	-2,098	2,097	0,000	0,000	25,515	0	0	0
335	-2,098	2,097	0,000	0,000	25,511	0	0	0
340	-2,098	2,097	0,000	0,000	25,507	0	0	0
345	-2,097	2,097	0,000	0,000	25,503	0	0	0
350	-2,097	2,097	0,000	0,000	25,499	0	0	0
355	-2,097	2,097	0,000	0,000	25,496	0	0	0
360	-2,097	2,097	0,000	0,000	25,492	0	0	0
365	-2,097	2,096	0,000	0,000	25,488	0	0	0
370	-2,097	2,096	0,000	0,000	25,485	0	0	0
375	-2,096	2,096	0,000	0,000	25,482	0	0	0
380	-2,096	2,096	0,000	0,000	25,479	0	0	0
385	-2,096	2,096	0,000	0,000	25,476	0	0	0
390	-2,096	2,096	0,000	0,000	25,473	0	0	0
395	-2,096	2,095	0,000	0,000	25,470	0	0	0
400	-2,096	2,095	0,000	0,000	25,467	0	0	0
405	-2,096	2,095	0,000	0,000	25,465	0	0	0
410	-2,096	2,095	0,000	0,000	25,462	0	0	0
415	-2,096	2,095	0,000	0,000	25,459	0	0	0
420	-2,095	2,095	0,000	0,000	25,457	0	0	0
425	-2,096	2,095	0,000	0,000	25,455	0	0	0
430	-2,095	2,095	0,000	0,000	25,452	0	0	0
435	-2,095	2,095	0,000	0,000	25,450	0	0	0
440	-2,095	2,095	0,000	0,000	25,447	0	0	0
445	-2,095	2,094	0,000	0,000	25,445	0	0	0
450	-2,095	2,094	0,000	0,000	25,443	0	0	0
455	-2,095	2,094	0,000	0,000	25,441	0	0	0
460	-2,095	2,094	0,000	0,000	25,439	0	0	0
465	-2,094	2,094	0,000	0,000	25,437	0	0	0
470	-2,094	2,094	0,000	0,000	25,435	0	0	0
475	-2,094	2,094	0,000	0,000	25,433	0	0	0
480	-2,094	2,094	0,000	0,000	25,432	0	0	0
485	-2,094	2,094	0,000	0,000	25,430	0	0	0
490	-2,094	2,094	0,000	0,000	25,428	0	0	0
495	-2,094	2,094	0,000	0,000	25,426	0	0	0
500	-2,094	2,093	0,000	0,000	25,424	0	0	0

EXPERIMENTO 64 (continuação)