

Tiempo [s]	X [cm]	Y [cm]	Z [cm]	Xi [cm]	Yi [cm]	Error Abs. X	Error Abs. Y	Error % X	Error % Y	Velocidad [cm/s]	Aceleración [Gal]	Angulo [°]	Angulo_1 [°]	Fuerza (N)	Torque (Nm)	Frecuencia (Hz)
0.000	14.000	17.000	0.000	13,426	20,118	0,574	3,118	4,100%	18,344%	0,000	0,000	0,000	0,000	109,872	0,000	0,000
0.050	13,720	18,250	0,480	13,367	20,103	0,353	1,853	2,574%	10,152%	0,030	0,002	1,507	1,368	109,872	0,527	20,123
0.099	13,740	18,200	0,380	13,379	20,103	0,361	1,903	2,625%	10,458%	0,024	0,001	1,196	1,083	109,872	0,418	10,663
0.149	13,740	18,200	0,370	13,381	20,103	0,359	1,903	2,616%	10,458%	0,023	0,001	1,165	1,054	109,872	0,407	6,708
0.199	13,740	18,190	0,340	13,384	20,104	0,356	1,914	2,589%	10,520%	0,021	0,001	1,071	0,969	109,872	0,374	5,031
0.248	13,730	18,180	0,290	13,390	20,104	0,340	1,924	2,473%	10,581%	0,018	0,001	0,914	0,826	109,872	0,319	4,025
0.298	13,710	18,170	0,230	13,398	20,104	0,312	1,934	2,277%	10,643%	0,014	0,001	0,725	0,655	109,872	0,253	3,354
0.348	13,670	18,150	0,140	13,409	20,104	0,261	1,954	1,910%	10,766%	0,009	0,001	0,442	0,399	109,872	0,154	2,875
0.398	13,630	18,140	0,110	13,413	20,104	0,217	1,964	1,595%	10,828%	0,007	0,000	0,347	0,313	109,872	0,121	2,516
0.447	13,570	18,150	0,010	13,425	20,104	0,145	1,954	1,070%	10,766%	0,001	0,000	0,032	0,028	109,872	0,011	2,236
0.497	13,550	18,150	-0,050	13,432	20,104	0,118	1,954	0,870%	10,766%	0,003	0,000	-0,158	-0,142	109,872	-0,055	2,013
0.547	13,480	18,410	-0,200	13,450	20,101	0,030	1,691	0,220%	9,184%	0,013	0,001	-0,622	-0,570	109,872	-0,220	1,830
0.596	13,450	18,130	-0,260	13,458	20,104	0,008	1,974	0,056%	10,889%	0,016	0,001	-0,822	-0,741	109,872	-0,286	1,677
0.646	13,410	18,110	-0,350	13,468	20,104	0,058	1,994	0,435%	11,013%	0,022	0,001	-1,107	-0,997	109,872	-0,385	1,548
0.696	13,290	18,110	-0,540	13,491	20,104	0,201	1,994	1,514%	11,013%	0,034	0,002	-1,708	-1,539	109,872	-0,593	1,438
0.745	13,110	18,130	-0,880	13,531	20,104	0,421	1,974	3,215%	10,889%	0,055	0,003	-2,779	-2,506	109,872	-0,967	1,342
0.795	13,060	18,150	-0,990	13,544	20,104	0,484	1,954	3,708%	10,766%	0,062	0,004	-3,122	-2,819	109,872	-1,088	1,258
0.845	12,960	18,250	-1,200	13,569	20,103	0,609	1,853	4,697%	10,152%	0,075	0,005	-3,762	-3,416	109,873	-1,318	1,184
0.894	12,940	18,390	-1,320	13,583	20,101	0,643	1,711	4,967%	9,304%	0,083	0,005	-4,106	-3,757	109,873	-1,450	1,118
0.944	12,900	18,940	-1,420	13,594	20,095	0,694	1,155	5,381%	6,096%	0,089	0,006	-4,288	-4,042	109,873	-1,560	1,059
0.994	12,800	19,380	-1,380	13,590	20,090	0,790	0,710	6,169%	3,661%	0,086	0,005	-4,073	-3,930	109,873	-1,516	1,006
1.043	12,830	19,720	-1,250	13,575	20,086	0,745	0,366	5,803%	1,855%	0,078	0,005	-3,627	-3,561	109,873	-1,373	0,958
1.093	12,870	20,530	1,420	13,248	20,077	0,378	0,453	2,935%	2,066%	0,089	0,006	3,957	4,046	109,873	1,560	0,915
1.143	12,980	21,030	3,930	12,908	20,072	0,072	0,958	0,553%	4,555%	0,246	0,015	10,585	11,078	109,874	4,318	0,875
1.193	12,670	21,810	10,670	11,847	20,065	0,823	1,745	6,493%	8,002%	0,667	0,042	26,069	28,003	109,877	11,724	0,839
1.242	12,150	22,190	14,280	11,196	20,061	0,954	2,129	7,854%	9,593%	0,893	0,056	32,763	35,444	109,878	15,691	0,805
1.292	10,330	23,000	22,270	9,580	20,055	0,750	2,945	7,257%	12,805%	1,392	0,087	44,076	47,996	109,882	24,471	0,774
1.342	7,160	25,230	33,110	7,143	20,040	0,017	5,190	0,234%	20,569%	2,069	0,129	52,692	58,815	109,886	36,383	0,745
1.391	6,380	25,960	35,900	6,502	20,037	0,122	5,923	1,914%	22,815%	2,244	0,140	54,129	60,832	109,888	39,450	0,719
1.441	5,570	26,600	38,570	5,894	20,035	0,324	6,565	5,825%	24,681%	2,411	0,151	55,408	62,551	109,889	42,384	0,694
1.491	4,560	27,490	43,060	4,903	20,033	0,343	7,457	7,525%	27,127%	2,691	0,168	57,445	65,051	109,891	47,319	0,671
1.540	4,200	27,350	44,670	4,562	20,033	0,342	7,317	8,105%	26,753%	2,792	0,174	58,522	65,845	109,892	49,089	0,649
1.590	4,100	26,290	47,000	4,087	20,036	0,013	6,254	0,327%	23,789%	2,938	0,184	60,779	66,912	109,893	51,650	0,629
1.640	4,140	25,530	47,850	3,919	20,039	0,221	5,491	5,329%	21,508%	2,991	0,187	61,918	67,777	109,893	52,584	0,610
1.689	4,170	23,720	49,030	3,693	20,049	0,477	3,671	11,429%	15,475%	3,064	0,192	64,183	67,759	109,893	53,881	0,592
1.739	3,790	22,900	49,650	3,578	20,056	0,212	2,844	5,599%	12,421%	3,103	0,194	65,239	68,004	109,894	54,562	0,575
1.789	3,080	21,310	50,820	3,366	20,069	0,286	1,241	9,280%	5,822%	3,176	0,199	67,251	68,450	109,894	55,848	0,559
1.839	2,610	19,080	51,900	3,178	20,093	0,568	1,013	21,758%	5,309%	3,244	0,203	69,815	68,936	109,895	57,035	0,544
1.888	2,840	18,440	52,220	3,124	20,100	0,284	1,660	9,989%	9,005%	3,264	0,204	70,551	68,847	109,895	57,387	0,530
1.938	3,060	18,000	52,470	3,082	20,106	0,022	2,106	0,715%	11,699%	3,279	0,205	71,065	69,034	109,895	57,662	0,516
1.988	3,480	17,540	52,660	3,050	20,112	0,430	2,572	12,346%	14,661%	3,291	0,206	71,578	69,097	109,895	57,871	0,503
2.037	3,510	17,420	52,730	3,039	20,113	0,471	2,693	13,423%	15,460%	3,296	0,206	71,718	69,121	109,895	57,948	0,491
2.087	3,430	17,420	52,890	3,013	20,113	0,417	2,693	12,169%	15,460%	3,306	0,206	71,770	69,179	109,895	58,124	0,479
2.137	3,340	17,490	52,970	3,000	20,112	0,340	2,622	10,193%	14,933%	3,311	0,207	71,727	69,209	109,895	58,211	0,468
2.186	3,070	17,650	53,100	2,978	20,110	0,092	2,460	2,982%	13,939%	3,319	0,207	71,614	69,257	109,895	58,354	0,457
2.236	2,930	17,720	53,080	2,982	20,109	0,052	2,389	1,764%	13,484%	3,318	0,207	71,539	69,251	109,895	58,332	0,447
2.286	2,860	17,700	52,750	3,036	20,110	0,176	2,410	6,138%	13,613%	3,297	0,206	71,451	69,132	109,895	57,970	0,448
2.335	2,910	17,560	52,530	3,072	20,111	0,162	2,551	5,563%	14,529%	3,283	0,205	71,516	69,050	109,895	57,728	0,428
2.385	3,150	17,290	51,840	3,188	20,115	0,038	2,825	1,210%	16,337%	3,240	0,203	71,555	68,793	109,895	56,969	0,419
2.435	3,270	17,170	51,530	3,241	20,116	0,029	2,946	0,875%	17,159%	3,221	0,201	71,572	68,675	109,895	56,629	0,411
2.484	3,420	17,300	51,240	3,292	20,115	0,128	2,815	3,748%	16,269%	3,203	0,200	71,344	68,567	109,894	56,310	0,403
2.534	3,380	17,350	51,320	3,278	20,114	0,102	2,764	3,022%	15,931%	3,208	0,200	71,321	68,598	109,894	56,398	0,395
2.584	3,460	17,280	51,700	3,212	20,115	0,248	2,835	7,165%	16,405%	3,231	0,202	71,519	68,741	109,895	56,816	0,387
2.634	3,580	17,220	51,900	3,178	20,116	0,402	2,896	11,233%	16,815%	3,244	0,203	71,645	68,814	109,895	57,035	0,380
2.683	3,690	17,030	52,250	3,119	20,118	0,571	3,088	15,484%	18,133%	3,266	0,204	71,948	68,942	109,895	57,420	0,373
2.733	3,740	16,930	52,290	3,112	20,119	0,628	3,189	16,793%	18,839%	3,268	0,204	72,060	68,955	109,895	57,464	0,366
2.783	3,760	16,900	52,340	3,104	20,121	0,656	3,331	17,458%	19,840%	3,271	0,204	72,214	68,972	109,895	57,519	0,359
2.832	3,760	16,780	52,430	3,089	20,121	0,671	3,341	17,858%	19,913%	3,277	0,205	72,253	69,004	109,895	57,618	0,353
2.882	3,660	16,790	52,530	3,072	20,121	0,588	3,331	16,068%	19,840%	3,283	0,205	72,275	69,041	109,895	57,728	0,347
2.932	3,580	16,850	52,510	3,075	20,120	0,505	3,270	14,100%	19,409%	3,282	0,205	72,209	69,035	109,895	57,706	0,341
2.981	3,270	17,250	52,440	3,087	20,115	0,183	2,865	5,600%	16,610%	3,278	0,205	71,792	69,014	109,895	57,629	0,335
3.031	2,840	17,840	52,080	3,147	20,108	0,307	2,268	10,821%	12,712%	3,255	0,203	71,091	68,889	109,895	57,233	0,330
3.081	2,630	18,290	51,660	3,219	20,102	0,589	1,812	22,394%	9,909%	3,229	0,202	70,504	68,738	109,895	56,772	0,325
3.130	2,800	19,370	50,170	3,483	20,090	0,683	0,720	24,376%	3,715%	3,136	0,196	68,889	68,177	109,894	55,134	0,319
3.180	4,230	21,270	45,650	4,359	20,070	0,129	1,200	3,055%	5,643%	2,853	0,178	65,017	66,268	109,892	50,166	0,314
3.230	5,740	22,800	41,020	5,347	20,056	0,393	2,744	6,841%	12,034%	2,564	0,160	60,934	63,944	109,890	45,077	0,310
3.280	9,220	25,680	25,930	8,778	20,038											

5,317	-18,060	16,730	-16,110	-19,564	20,122	1,504	3,392	8,327%	20,275%	1,007	0.063	-43,918	-38,681	109,879	-17,702	0.188
5,366	-17,820	16,500	-15,130	-19,571	20,125	1,751	3,625	9,827%	21,970%	0,946	0.059	-42,520	-36,936	109,879	-16,625	0.186
5,416	-18,170	15,960	-14,830	-19,561	20,132	1,391	4,172	7,653%	26,142%	0,927	0.058	-42,898	-36,376	109,878	-16,295	0.185
5,466	-18,450	17,740	-14,590	-19,552	20,109	1,102	2,369	5,974%	13,354%	0,912	0.057	-39,435	-35,963	109,878	-16,031	0.183
5,516	-19,170	20,290	-14,100	-19,532	20,080	0,362	0,210	1,891%	1,037%	0,881	0.055	-34,796	-35,077	109,878	-15,493	0.181
5,565	-21,770	26,790	-10,550	-19,476	20,034	2,294	6,756	10,535%	25,217%	0,659	0.041	-21,495	-27,771	109,877	-11,592	0.180
5,615	-23,000	30,030	-6,960	-19,458	20,034	3,542	9,996	15,398%	33,287%	0,435	0.027	-13,049	-19,158	109,875	-7,647	0.178
5,665	-22,720	31,790	-2,320	-19,462	20,042	3,258	11,748	14,339%	36,956%	0,145	0.009	-4,174	-6,603	109,873	-2,549	0.177
5,714	-22,490	32,360	13,730	-19,465	20,045	3,025	12,315	13,449%	38,055%	0,858	0.054	-22,991	34,409	109,878	15,086	0.175
5,764	-22,310	30,770	23,760	-19,468	20,036	2,842	10,734	12,739%	34,883%	1,485	0.093	37,675	49,860	109,882	26,108	0.173
5,814	-20,720	26,750	49,280	-19,496	20,034	1,224	6,716	5,907%	25,105%	3,080	0.193	61,506	67,876	109,894	54,156	0.172
5,863	-19,360	25,050	61,340	-19,527	20,041	0,167	5,009	0,865%	19,995%	3,834	0.240	67,786	71,906	109,899	67,412	0.171
5,913	-17,650	23,230	73,970	-19,577	20,053	1,927	3,177	10,916%	13,676%	4,623	0.289	72,565	74,832	109,904	81,296	0.169
5,963	-13,840	20,880	97,260	-19,725	20,074	5,885	8,806	42,523%	3,862%	6,079	0.380	77,884	78,338	109,915	106,903	0.168
6,012	-11,410	21,960	105,450	-19,848	20,063	8,438	1,897	73,952%	8,637%	6,591	0.412	78,236	79,227	109,918	115,909	0.166
6,062	-10,120	22,300	111,280	-19,922	20,060	9,802	2,240	96,854%	10,043%	6,955	0.435	78,668	79,781	109,921	122,320	0.165
6,112	-10,250	20,520	111,800	-19,914	20,077	9,664	0,443	94,283%	2,158%	6,988	0.437	79,600	79,819	109,921	122,892	0.164
6,161	-10,500	19,200	112,090	-19,899	20,092	9,399	0,892	89,517%	4,644%	7,006	0.438	80,280	79,838	109,921	123,210	0.162
6,211	-10,260	18,540	113,230	-19,913	20,099	9,653	1,559	94,087%	8,410%	7,077	0.442	80,701	79,934	109,922	124,464	0.161
6,261	-10,380	18,280	113,600	-19,906	20,102	9,526	1,822	91,776%	9,969%	7,100	0.444	80,859	79,965	109,922	124,871	0.160
6,311	-10,960	18,540	114,210	-19,873	20,099	8,913	1,559	81,322%	8,410%	7,138	0.446	80,779	80,019	109,922	125,542	0.158
6,360	-11,580	18,780	114,590	-19,839	20,096	8,259	1,316	71,318%	7,010%	7,162	0.448	80,693	80,053	109,922	125,960	0.157
6,410	-12,250	19,030	114,970	-19,803	20,094	7,553	1,064	61,657%	5,589%	7,186	0.449	80,602	80,086	109,922	126,378	0.156
6,460	-13,690	19,550	115,940	-19,732	20,088	6,042	1,538	44,135%	2,750%	7,246	0.453	80,429	80,171	109,923	127,444	0.155
6,509	-14,120	19,680	116,190	-19,712	20,086	5,592	0,406	39,606%	2,064%	7,262	0.454	80,387	80,192	109,923	127,719	0.154
6,559	-14,020	19,640	116,200	-19,717	20,087	5,697	0,447	40,634%	2,274%	7,263	0.454	80,407	80,193	109,923	127,730	0.152
6,609	-13,250	19,420	115,920	-19,753	20,089	6,503	0,669	49,079%	3,445%	7,245	0.453	80,490	80,168	109,923	127,422	0.151
6,658	-12,550	19,250	115,580	-19,788	20,091	7,238	0,841	57,670%	4,369%	7,224	0.451	80,544	80,139	109,923	127,049	0.150
6,708	-11,230	18,840	114,750	-19,858	20,096	8,628	1,256	76,828%	6,665%	7,172	0.448	80,676	80,067	109,922	126,136	0.149
6,758	-10,760	18,680	114,360	-19,884	20,098	9,124	1,418	84,798%	7,589%	7,148	0.447	80,723	80,033	109,922	125,707	0.148
6,807	-10,240	18,400	113,160	-19,915	20,101	9,675	1,701	94,478%	9,244%	7,073	0.442	80,764	79,927	109,922	124,387	0.147
6,857	-10,280	18,630	112,870	-19,912	20,098	9,632	1,468	93,698%	7,881%	7,054	0.441	80,627	79,903	109,921	124,068	0.146
6,907	-10,630	19,110	112,310	-19,892	20,093	9,262	0,983	87,129%	5,142%	7,019	0.439	80,343	79,857	109,921	123,452	0.145
6,957	-10,650	21,010	111,500	-19,891	20,072	9,241	0,938	86,767%	4,463%	6,969	0.436	79,329	79,795	109,921	122,562	0.144
7,006	-9,840	22,790	110,750	-19,938	20,056	10,098	2,734	102,626%	11,995%	6,922	0.433	78,372	79,735	109,920	121,737	0.143
7,056	-6,120	25,820	107,040	-20,187	20,038	14,067	5,782	229,846%	22,395%	6,690	0.418	76,438	79,397	109,919	117,657	0.142
7,106	-2,640	27,030	102,920	-20,458	20,034	17,818	6,996	674,913%	25,883%	6,433	0.402	75,285	78,985	109,917	113,127	0.141
7,155	0,870	27,690	97,010	-19,449	20,032	18,579	7,658	213,474%	27,654%	6,063	0.379	74,069	78,332	109,914	106,628	0.140
7,205	8,140	27,120	76,480	-19,503	20,034	11,363	7,086	139,599%	26,130%	4,780	0.299	70,475	75,321	109,905	84,056	0.139
7,255	10,740	26,890	64,580	-19,499	20,034	8,759	6,856	81,559%	25,496%	4,036	0.252	67,394	72,765	109,900	70,974	0.138
7,304	16,560	25,430	37,620	-19,422	20,039	2,862	5,391	17,280%	21,198%	2,351	0.147	55,942	61,957	109,888	41,340	0.137
7,354	18,680	24,430	24,760	-19,364	20,045	0,684	4,385	3,662%	17,950%	1,548	0.097	45,384	51,008	109,883	27,207	0.136
7,404	20,210	23,850	11,260	-19,311	20,049	0,899	3,801	4,448%	15,939%	0,704	0.044	25,273	29,320	109,877	12,372	0.135
7,453	20,930	23,940	-9,900	-19,283	20,048	1,647	3,892	7,871%	16,258%	0,619	0.039	-22,467	-26,281	109,876	-10,878	0.134
7,503	20,650	22,540	-16,730	-19,294	20,058	1,356	2,482	6,567%	11,010%	1,046	0.065	-36,584	-39,830	109,879	-18,383	0.133
7,553	19,180	17,370	-24,330	-19,348	20,114	0,168	2,744	0,875%	15,796%	1,521	0.095	-54,476	-50,419	109,883	-26,734	0.132
7,602	18,810	17,170	-26,680	-19,360	20,116	0,550	2,946	2,923%	17,159%	1,668	0.104	-57,237	-52,984	109,884	-29,317	0.132
7,652	18,740	16,160	-28,530	-19,362	20,130	0,622	3,970	3,320%	24,564%	1,783	0.111	-60,472	-54,795	109,884	-31,350	0.131
7,702	18,790	16,510	-28,640	-19,361	20,125	0,571	3,615	3,036%	21,895%	1,790	0.112	-60,038	-54,905	109,885	-31,471	0.130
7,752	18,890	17,330	-28,500	-19,357	20,114	0,467	2,784	2,474%	16,066%	1,781	0.111	-58,697	-54,787	109,884	-31,317	0.129
7,801	19,370	22,200	-29,240	-19,341	20,061	0,029	2,139	0,148%	9,634%	1,828	0.114	-52,793	-55,546	109,885	-32,130	0.128
7,851	20,120	25,580	-30,740	-19,314	20,039	0,806	5,541	4,004%	21,662%	1,921	0.120	-50,235	-56,901	109,885	-33,779	0.127
7,901	19,410	31,140	-37,490	-19,340	20,038	0,070	11,102	0,361%	35,652%	2,343	0.146	-50,286	-61,876	109,888	-41,197	0.127
7,950	19,260	32,830	-43,770	-19,345	20,049	0,085	12,871	0,442%	38,931%	2,736	0.171	-53,128	-65,390	109,891	-48,099	0.126
8,000	20,340	32,070	-51,090	-19,306	20,043	1,034	12,027	5,083%	37,501%	3,193	0.200	-57,883	-68,579	109,894	-56,145	0.125
8,050	22,240	27,650	-70,290	-19,225	20,033	3,015	7,617	13,557%	27,550%	4,393	0.275	-68,527	-74,093	109,903	-77,251	0.124
8,099	22,460	25,830	-81,070	-19,215	20,038	3,245	5,792	14,450%	22,425%	5,067	0.317	-72,327	-76,117	109,907	-89,102	0.123
8,149	21,710	22,400	-102,370	-19,249	20,060	2,461	2,340	11,335%	10,448%	6,398	0.400	-77,657	-78,913	109,917	-112,522	0.123
8,199	19,890	21,530	-112,030	-19,323	20,067	0,567	1,463	2,851%	6,794%	7,002	0.438	-79,121	-79,845	109,921	-123,145	0.122
8,248	17,130	21,180	-119,800	-19,408	20,071	2,278	1,109	13,297%	5,238%	7,488	0.468	-79,974	-80,489	109,924	-131,689	0.121
8,298	11,070	22,130	-127,910	-19,498	20,062	8,428	2,068	76,132%	9,345%	7,994	0.500	-80,184	-81,086	109,928	-140,609	0.120
8,348	9,820	21,700	-128,950	-19,503	20,066	9,683	1,634	98,602%	7,531%	8,059	0.504	-80,448	-81,155	109,928	-141,753	0.121
8,398	10,560	19,980	-129,690	-19,500	20,083	8,940	0,103	84,661%	0,515%	8,106	0.507	-81,242	-81,197	109,929	-142,567	0.119
8,447	10,190	19,200	-129,160	-19,499	20,092	8,589	0,892	78,722%	4,644%	8,073	0.505	-81,545	-81,158	109,929	-141,984	0.118
8,497	10,800	18,700	-129,370	-19,499	20,097	8,699	1,397	80,548%	7,473%	8,086	0.505	-81,775	-81,170	109,929	-142,215	0.118
8,547	10,470	18,420	-129,470	-19,501	20,101	9,031	1,681	86,252%	9,124%	8,092	0.506	-81,903	-81,175	109,929	-142,325	

10,733	-2,670	18,210	32,590	-26,244	20,103	23,574	1,893	882,907%	10,397%	2,037	0,127	60,805	58,331	109,886	35,812	0,093
10,783	-2,620	18,080	32,870	-26,231	20,105	23,611	2,025	901,175%	11,199%	2,054	0,128	61,187	58,548	109,886	36,120	0,093
10,832	-2,610	18,040	33,300	-26,228	20,105	23,618	2,065	904,912%	11,449%	2,081	0,130	61,554	58,878	109,887	36,592	0,092
10,882	-2,600	18,010	33,480	-26,226	20,106	23,626	2,096	908,679%	11,636%	2,093	0,131	61,723	59,014	109,887	36,790	0,092
10,932	-2,510	18,000	33,800	-26,202	20,106	23,692	2,106	943,921%	11,699%	2,113	0,132	61,963	59,254	109,887	37,142	0,091
10,981	-2,540	18,010	34,020	-26,210	20,106	23,670	2,096	931,897%	11,636%	2,126	0,133	62,104	59,417	109,887	37,384	0,091
11,031	-2,530	18,040	34,220	-26,208	20,105	23,678	2,065	935,873%	11,449%	2,139	0,134	62,203	59,564	109,887	37,603	0,091
11,081	-2,590	18,120	34,730	-26,223	20,104	23,633	1,984	912,474%	10,951%	2,171	0,136	62,447	59,934	109,887	38,164	0,090
11,130	-2,680	18,130	34,900	-26,246	20,104	23,566	1,974	879,335%	10,889%	2,181	0,136	62,549	60,056	109,887	38,351	0,090
11,180	-2,740	18,140	35,070	-26,261	20,104	23,521	1,964	858,448%	10,828%	2,192	0,137	62,650	60,176	109,887	38,537	0,089
11,230	-2,790	18,120	35,170	-26,274	20,104	23,484	1,984	841,727%	10,951%	2,198	0,137	62,742	60,246	109,887	38,647	0,089
11,280	-2,810	18,090	35,130	-26,279	20,105	23,469	2,015	835,204%	11,137%	2,196	0,137	62,754	60,218	109,887	38,603	0,089
11,329	-2,690	18,050	34,910	-26,249	20,105	23,559	2,055	875,789%	11,386%	2,182	0,136	62,659	60,062	109,887	38,362	0,088
11,379	-2,630	18,040	34,780	-26,233	20,105	23,603	2,065	897,466%	11,449%	2,174	0,136	62,585	59,969	109,887	38,219	0,088
11,429	-2,520	18,010	34,560	-26,205	20,105	23,685	2,096	939,881%	11,636%	2,160	0,135	62,475	59,811	109,887	37,977	0,088
11,478	-2,370	18,090	33,720	-26,166	20,105	23,796	2,015	1004,049%	11,137%	2,108	0,132	61,787	59,196	109,887	37,054	0,087
11,528	-2,250	18,160	33,030	-26,134	20,104	23,884	1,944	1061,529%	10,704%	2,064	0,129	61,198	58,673	109,886	36,295	0,087
11,578	-0,990	18,850	30,710	-25,786	20,096	24,796	1,246	2504,616%	6,608%	1,919	0,120	58,458	56,801	109,885	33,746	0,086
11,627	0,140	19,970	29,380	-25,495	20,083	14,255	0,113	10181,997%	0,566%	1,836	0,115	55,796	55,645	109,885	32,284	0,086
11,677	3,580	21,960	25,630	-25,630	20,063	10,267	1,897	286,782%	8,637%	1,602	0,100	49,410	51,946	109,883	28,163	0,086
11,727	5,740	22,150	22,870	-25,352	20,062	7,612	2,088	132,614%	9,428%	1,429	0,089	45,916	48,743	109,882	25,130	0,085
11,776	9,640	21,970	16,860	-25,190	20,063	3,270	1,907	33,919%	8,679%	1,054	0,066	37,503	40,042	109,879	18,526	0,085
11,826	11,330	21,760	13,530	-24,866	20,065	1,536	1,695	13,557%	7,789%	0,846	0,053	31,873	33,992	109,878	14,866	0,084
11,876	13,430	21,490	6,720	-24,896	20,068	0,534	1,422	3,977%	6,618%	0,420	0,026	17,365	18,514	109,875	7,384	0,084
11,925	13,790	21,490	4,180	-24,912	20,068	0,878	1,422	6,367%	6,618%	0,261	0,016	11,007	11,766	109,874	4,593	0,084
11,975	13,920	21,470	2,800	-24,910	20,068	1,001	1,402	7,193%	6,531%	0,175	0,011	7,430	7,943	109,873	3,076	0,084
12,025	13,950	20,630	1,340	-24,920	20,076	1,030	0,554	7,380%	2,685%	0,084	0,005	3,716	3,819	109,873	1,472	0,083
12,075	13,410	19,700	1,180	-24,895	20,086	0,515	0,386	3,840%	1,959%	0,074	0,005	3,428	3,362	109,873	1,296	0,083
12,124	12,940	18,030	1,340	-24,880	20,105	0,060	2,075	0,465%	11,511%	0,084	0,005	4,250	3,813	109,873	1,472	0,082
12,174	13,560	18,080	0,910	-24,901	20,105	0,659	2,025	4,858%	11,199%	0,057	0,004	2,881	2,592	109,872	1,000	0,082
12,224	13,820	17,840	0,710	-24,913	20,108	0,907	2,268	6,559%	12,712%	0,044	0,003	2,279	2,022	109,872	0,780	0,082
12,273	14,010	17,790	0,740	-24,924	20,108	1,086	2,318	7,753%	13,032%	0,046	0,003	2,382	2,108	109,872	0,813	0,081
12,323	14,330	17,690	0,820	-24,944	20,110	1,386	2,420	9,670%	13,678%	0,051	0,003	2,654	2,335	109,872	0,901	0,081
12,373	14,410	17,670	0,840	-24,950	20,110	1,460	2,440	10,132%	13,808%	0,053	0,003	2,722	2,392	109,872	0,923	0,081
12,422	14,490	17,660	0,850	-24,956	20,110	1,534	2,450	10,587%	13,873%	0,053	0,003	2,756	2,420	109,872	0,934	0,081
12,472	14,650	17,610	0,880	-24,969	20,111	1,681	2,501	11,476%	14,200%	0,055	0,003	2,861	2,506	109,872	0,967	0,080
12,522	14,690	17,590	0,870	-24,972	20,111	1,718	2,521	11,694%	14,332%	0,054	0,003	2,832	2,477	109,872	0,956	0,080
12,571	14,670	17,560	0,780	-24,970	20,111	1,700	2,551	11,585%	14,529%	0,049	0,003	2,543	2,221	109,872	0,857	0,080
12,621	14,680	17,540	0,730	-24,971	20,112	1,709	2,572	11,640%	14,661%	0,046	0,003	2,383	2,079	109,872	0,802	0,079
12,671	14,710	17,500	0,660	-24,974	20,112	1,736	2,612	11,802%	14,926%	0,041	0,003	2,160	1,880	109,872	0,725	0,079
12,720	14,680	17,530	0,670	-24,971	20,112	1,709	2,582	11,640%	14,727%	0,042	0,003	2,189	1,908	109,872	0,736	0,079
12,770	14,460	17,630	0,600	-24,954	20,110	1,506	2,480	10,417%	14,069%	0,038	0,002	1,949	1,709	109,872	0,659	0,078
12,820	14,360	17,640	0,430	-24,946	20,110	1,414	2,470	9,844%	14,004%	0,027	0,002	1,396	1,225	109,872	0,472	0,078
12,870	14,100	17,720	0,020	-24,929	20,109	1,171	2,389	8,303%	13,484%	0,001	0,000	0,065	0,057	109,872	0,022	0,077
12,919	13,890	18,160	-0,770	-24,917	20,104	0,973	1,944	7,004%	10,704%	0,048	0,003	-2,428	-2,193	109,872	-0,846	0,077
12,969	13,790	18,440	-1,040	-24,912	20,100	0,878	1,660	6,367%	9,005%	0,065	0,004	-3,228	-2,962	109,872	-1,143	0,077
13,019	13,620	18,710	-1,340	-24,904	20,097	0,716	1,387	5,258%	7,415%	0,084	0,005	-4,096	-3,815	109,873	-1,472	0,077
13,068	13,250	18,550	-2,290	-24,889	20,099	0,361	1,549	2,723%	8,351%	0,143	0,009	-7,038	-6,500	109,873	-2,516	0,076
13,118	13,160	18,220	-2,670	-24,886	20,103	0,274	1,883	2,080%	10,336%	0,167	0,010	-8,337	-7,565	109,873	-2,934	0,076
13,168	13,100	17,640	-2,360	-24,884	20,110	0,216	2,470	1,646%	14,004%	0,148	0,009	-7,620	-6,693	109,873	-2,593	0,076
13,217	13,050	17,450	-2,100	-24,883	20,113	0,167	2,663	1,281%	15,259%	0,131	0,008	-6,862	-5,961	109,873	-2,307	0,076
13,267	13,230	17,410	-1,940	-24,889	20,113	0,341	2,703	2,581%	15,527%	0,121	0,008	-6,358	-5,509	109,873	-2,132	0,075
13,317	13,510	17,470	-1,470	-24,889	20,112	0,611	2,642	4,522%	15,126%	0,092	0,006	-4,810	-4,180	109,873	-1,615	0,075
13,366	13,690	17,500	-1,160	-24,907	20,112	0,783	2,612	5,719%	14,926%	0,073	0,005	-3,792	-3,301	109,873	-1,275	0,075
13,416	13,870	17,520	-0,870	-24,916	20,112	0,954	2,592	6,877%	14,793%	0,054	0,003	-2,843	-2,477	109,872	-0,956	0,075
13,466	14,290	17,540	-0,110	-24,942	20,112	1,348	2,572	9,437%	14,661%	0,007	0,000	-0,359	-0,313	109,872	-0,121	0,074
13,516	14,480	17,530	0,210	-24,955	20,112	1,525	2,582	10,530%	14,727%	0,013	0,001	0,686	0,598	109,872	0,231	0,074
13,565	14,660	17,480	0,350	-24,970	20,112	1,690	2,632	11,531%	15,059%	0,022	0,001	1,147	0,997	109,872	0,385	0,074
13,615	14,590	17,440	0,190	-24,964	20,113	1,626	2,673	11,146%	15,326%	0,012	0,001	0,624	0,541	109,872	0,209	0,073
13,665	14,560	17,430	-0,010	-24,961	20,113	1,599	2,683	10,979%	15,393%	0,001	0,000	-0,033	-0,028	109,872	-0,011	0,073
13,714	14,600	17,420	0,010	-24,965	20,113	1,635	2,693	11,201%	15,460%	0,001	0,000	0,033	0,028	109,872	0,011	0,073
13,764	14,670	17,420	0,100	-24,970	20,113	1,700	2,693	11,585%	15,460%	0,006	0,000	0,329	0,285	109,872	0,110	0,073
13,814	14,660	17,440	0,070	-24,970	20,113	1,690	2,673	11,531%	15,326%	0,004	0,000	0,230	0,199	109,872	0,077	0,072
13,863	14,640	17,450	0,080	-24,968	20,113	1,672	2,663	11,421%	15,259%	0,005	0,000	0,263	0,228	109,872	0,088	0,072
13,913	14,610	17,460	0,050	-24,965	20,113	1,645	2,653	11,256%	15,192%	0,003	0,000	0,164	0,142	109,872	0,055	0,072
13,963	14,570	17,480	0,020	-24,962	20,112	1,608	2,632	11,035%	15,059%	0,001	0,000	0,066	0,057	109,872	0,022	0,072
14,012	14,550	17,490	0,020	-24,961	20,112	1,589	2,622	10,923%	14,993%	0,001						