

Altitud	Presion	Temperatura	Velocidad	Aceleracion	Tiempo	AcIX	AcIY	AcIZ	GiroX	GiroY	GiroZ	Lat	Long	Altgps
34.97	1077.25	25.32	25.86	7.12	43.78	-7.28	1.85	2.67	-123.47	139.64	2.9	42.667073	-32.833288	86.34
15.68	963.88	26.21	26.67	7.64	31.53	1.29	8.96	-7.55	-175.69	-107.03	-19.85	-0.688832	-1.638045	83.46
99.86	962.68	21.97	67.1	0.61	7.56	-8.82	4.0	3.63	-53.34	177.88	129.31	-66.352029	-13.17293	2.82
87.46	936.97	26.06	57.16	9.21	81.51	-0.12	3.24	-2.29	91.44	87.58	59.81	-43.819219	-160.385749	70.23
25.34	925.68	28.24	67.7	6.66	33.36	-2.48	5.26	-9.64	-52.62	40.21	-116.74	52.603446	88.398366	6.27
31.13	1007.14	29.67	38.62	8.14	51.86	3.9	9.62	0.82	-143.46	31.24	9.56	-27.064127	-15.115366	77.53
86.62	1049.93	25.26	70.15	6.7	73.85	-4.53	-7.87	-8.01	-152.22	-32.88	35.59	-10.932639	6.309093	53.48
36.57	906.43	29.1	74.19	1.38	15.75	-3.87	9.05	4.58	49.15	27.18	-165.58	11.855643	157.832107	72.46
51.91	991.59	23.96	56.04	3.37	0.63	-6.72	1.22	0.1	49.96	19.86	34.81	39.750856	-97.064807	35.62
10.68	1010.61	25.54	21.72	4.9	34.51	-0.6	-5.74	-1.12	176.7	-141.44	140.61	-10.172234	133.541443	61.13
2.25	931.51	21.19	77.51	0.13	48.31	-5.04	2.44	-1.27	132.65	-84.37	-103.53	15.333797	30.533251	15.65
77.88	986.01	28.55	46.98	7.54	18.12	-7.88	8.54	-1.29	96.91	-133.45	69.47	1.772725	-36.801432	30.76
27.32	964.93	21.49	71.49	6.41	37.04	-3.1	6.05	-4.05	-45.88	-53.61	82.61	-28.725152	-175.183779	50.39
85.65	906.0	25.04	26.78	9.6	61.19	0.11	-2.14	-4.59	73.72	-165.48	-131.04	60.633494	-172.953714	84.57
35.34	987.23	22.24	4.62	7.8	57.31	-8.89	7.86	-0.06	121.37	79.36	-91.78	-71.428162	-127.345878	34.32
68.69	941.16	25.58	60.56	2.54	19.66	3.05	9.08	-1.51	-74.61	51.6	-8.21	29.056419	162.206257	61.59
78.46	1054.23	22.59	57.84	5.52	7.38	8.67	-0.37	3.58	175.87	171.21	-74.47	78.993526	-78.852178	77.76
67.89	1015.87	23.36	41.21	3.98	36.36	6.68	0.06	1.75	26.4	38.74	-124.51	-69.706931	-88.246963	47.62
5.28	916.8	20.13	58.79	9.78	76.29	7.08	1.87	1.94	-74.15	-104.07	141.66	39.998665	36.195504	2.13
23.73	926.23	27.63	42.24	7.59	46.63	2.93	-9.58	-1.59	93.02	74.18	-101.06	14.84637	57.362605	51.58
97.09	906.18	22.84	9.29	0.3	66.58	-5.09	-5.8	-5.57	-154.59	164.63	-103.4	-40.166077	25.003818	20.62
33.94	949.41	28.13	34.53	0.25	35.73	0.6	-4.47	-3.9	5.55	-42.45	98.69	13.329971	-31.521202	52.57
46.45	1016.1	28.57	83.87	4.27	39.04	-6.27	-7.99	-3.24	-139.05	4.58	-156.42	-32.63099	-89.842991	31.8
82.51	981.01	24.42	66.45	8.85	15.33	9.04	0.08	4.52	59.41	-99.42	-52.64	21.661192	128.828792	90.14
43.88	965.12	22.82	6.14	8.77	55.16	6.58	7.32	-8.9	-97.17	-177.44	-103.16	-5.910039	-31.177751	12.29
84.97	1005.78	21.15	28.12	7.52	46.56	2.95	5.39	4.96	31.51	73.33	-21.44	5.192633	170.588283	35.43
78.32	1025.03	27.7	0.34	9.25	57.37	3.33	8.99	-8.06	130.61	8.26	-12.85	78.415354	112.012473	73.19
39.96	930.15	23.08	61.0	6.5	65.38	-9.55	-5.72	2.51	-104.42	30.26	130.07	-63.343915	146.322511	35.87
71.67	903.25	24.64	35.57	9.08	55.73	-5.76	-5.55	5.35	63.26	-130.05	17.57	86.206311	-14.546008	89.29
18.26	978.09	20.43	56.03	3.94	22.59	6.64	9.66	-9.54	116.1	-84.86	-24.7	-66.606028	-169.028098	96.29

89.6	1023.03	24.57	67.47	3.11	45.28	6.52	-4.5	3.13	-164.93	-37.43	153.22	66.397207	44.462696	66.41
16.69	1061.87	29.11	67.76	3.69	32.12	-1.26	-3.72	-5.88	121.67	-63.01	30.03	-7.098168	138.555998	62.62
37.61	978.71	26.17	27.39	3.13	84.61	-1.33	-9.98	2.9	-96.01	-166.27	108.21	2.403528	162.797952	74.06
84.86	947.36	27.76	45.56	7.68	31.9	3.85	3.21	9.07	-146.33	-158.92	-162.34	32.475555	-137.458868	18.05
68.83	1074.25	20.21	15.55	2.02	74.31	-6.1	-7.67	-2.67	133.59	-23.56	-23.73	-33.136168	93.21345	15.98
34.25	906.74	25.31	85.61	3.82	57.72	0.71	6.73	-0.38	-22.76	125.48	-164.97	-65.0118	15.066903	66.3
12.91	1016.18	23.77	42.43	3.65	13.34	0.7	-9.08	4.09	-134.02	91.07	1.74	21.004154	133.50135	53.56
78.82	1062.64	26.76	2.79	7.71	3.37	-3.41	5.12	2.57	-38.35	34.64	-155.8	39.48388	-110.471583	73.62
99.86	922.04	29.63	18.59	1.72	80.84	-2.16	0.28	-2.92	69.2	48.25	100.81	68.709481	64.977913	84.77
43.6	1026.19	26.16	11.04	6.37	67.92	-8.49	-2.93	7.33	-69.56	43.17	167.65	-28.757073	129.168332	15.7
73.17	987.45	27.21	8.64	7.66	89.77	6.01	9.29	5.62	-150.27	-12.37	-57.32	-18.901058	-84.30164	67.25
75.87	905.64	22.92	97.1	1.57	8.35	-5.2	-5.91	6.29	-143.09	-97.9	-155.45	58.979135	109.310002	5.36
35.78	1095.78	23.13	4.78	6.33	98.16	-5.72	-1.79	2.31	28.48	-71.93	148.25	-80.046641	3.111905	63.45
3.71	1015.66	22.82	13.92	1.78	33.8	9.56	-1.13	-4.72	79.64	-110.85	154.25	-39.580597	-107.407726	19.41
5.57	1087.33	21.61	75.08	5.17	47.4	8.18	9.15	-2.27	91.19	-56.87	130.05	59.620131	23.665418	10.67
48.13	927.6	22.3	60.11	4.06	15.34	4.01	-7.73	-8.84	-50.26	123.39	81.88	53.885661	49.191341	87.46
43.07	980.25	20.61	86.93	0.55	58.21	-5.01	6.25	9.69	2.09	172.31	53.76	8.974784	-114.527028	16.6
82.74	946.43	20.52	56.85	2.85	5.11	6.85	3.79	-6.97	37.48	-23.97	110.21	36.02168	-61.508001	2.05
34.02	1082.86	29.94	38.67	0.81	16.1	0.5	2.44	-8.66	39.0	-58.11	-149.51	-38.95426	-25.460928	32.96
61.07	978.52	23.3	18.94	3.39	48.15	8.06	6.98	0.33	29.52	-40.77	-54.29	15.245385	-97.548268	41.72
68.33	1064.58	25.43	24.6	3.25	54.55	0.75	-5.29	7.82	146.62	-55.97	92.99	83.694738	0.562169	72.67
79.0	1006.77	28.75	86.43	5.71	84.48	7.48	-0.58	-8.12	133.77	-60.82	115.45	-76.572897	149.27452	17.06
34.26	1068.35	26.56	95.57	6.34	83.67	-2.73	-0.05	-0.34	130.79	173.27	81.1	7.700138	-70.685408	97.49
12.01	933.07	27.71	20.72	2.2	78.84	2.77	-2.17	-8.7	-40.49	-17.26	-57.42	-66.077815	136.830209	55.13
78.33	1039.8	21.16	83.61	7.69	76.11	-2.43	2.39	-9.43	88.6	55.7	-130.81	-81.361152	167.581494	53.57
3.97	1055.47	21.34	72.64	5.12	29.64	-9.45	6.4	9.96	59.18	-31.81	-74.33	36.025555	-172.692154	62.2
37.02	980.27	27.41	68.5	9.27	57.96	6.07	-9.47	1.78	151.02	-49.49	46.83	28.164805	-61.120764	76.41
22.38	1002.1	27.23	96.96	0.83	82.34	4.39	8.96	3.18	82.46	34.08	-29.37	58.33253	-53.873613	32.69
70.9	1063.84	21.94	57.29	0.28	43.88	-0.31	8.61	1.71	-63.73	-91.5	-118.39	1.597763	117.878466	82.95
1.6	1038.74	26.04	0.59	2.35	77.33	4.24	-8.54	-8.34	-50.59	-87.43	-17.79	79.011143	7.493655	81.31
6.93	1040.41	24.01	73.81	3.9	96.33	9.88	1.61	6.71	-51.42	-76.91	128.36	-82.727165	-7.595104	8.13

63.6	1025.07	27.31	13.42	5.38	78.68	1.58	2.17	-6.76	-37.03	99.79	-66.17	-58.889642	-113.406173	9.7
53.13	1014.72	28.79	75.47	6.01	31.42	-1.42	-1.7	9.66	-63.0	-72.5	146.43	-9.491003	179.817677	58.1
61.06	1024.2	22.8	66.39	9.21	13.42	6.56	3.36	2.22	-57.13	40.36	-97.45	12.813697	-98.909014	37.25
27.71	908.69	28.27	19.12	5.63	24.4	0.12	8.88	-8.75	171.94	82.81	45.91	-25.146522	-97.010781	68.32
70.91	1013.75	24.65	42.6	2.91	43.94	-4.39	6.81	2.32	-23.91	-135.86	17.62	-46.944792	121.327507	90.82
96.92	995.49	27.31	99.61	8.17	92.74	-1.57	8.09	-1.23	151.08	155.69	-33.78	8.141324	-8.210617	61.65
80.75	1008.95	23.9	78.12	4.6	36.86	6.33	4.32	0.12	39.73	12.52	-41.34	50.814408	145.02493	9.29
81.97	964.11	28.15	79.37	7.65	81.88	9.62	-0.11	-9.69	-7.09	-125.05	144.31	60.674756	-26.383415	59.53
24.37	948.82	27.13	50.29	7.53	74.37	2.51	-0.53	-4.15	90.67	134.92	171.72	-67.560742	26.731139	6.48
38.38	988.62	27.66	40.85	6.92	2.71	-8.45	8.2	8.09	69.33	20.03	61.96	-21.525381	-152.851388	2.71
79.1	959.09	22.8	48.68	7.21	11.7	0.56	-5.44	-4.1	84.34	69.86	-2.15	-18.355189	54.845874	21.16
86.22	1075.74	22.26	63.0	1.88	60.34	-3.82	7.86	8.56	-117.09	-65.33	93.37	41.753873	-126.254856	91.58
8.36	1018.28	24.91	36.67	0.8	26.33	7.02	-5.48	-5.4	-104.35	137.85	61.33	-45.153071	59.869117	89.15
77.86	904.64	28.6	14.87	5.22	10.07	3.85	0.88	-7.44	-85.01	-150.31	-68.3	89.209974	-134.702485	87.52
22.18	1026.24	23.01	70.99	0.88	28.94	-7.56	3.11	3.97	97.79	54.45	-114.58	-2.176612	-148.924591	42.91
45.5	937.71	26.82	28.44	1.04	74.03	1.18	-0.25	-8.27	33.47	82.97	29.77	80.659214	161.265043	3.28
97.56	972.58	23.46	83.71	9.4	86.48	-9.33	7.73	-3.23	-59.1	130.25	103.46	67.447873	-101.349434	15.64
58.18	1041.91	25.36	90.96	7.52	40.39	7.85	-7.12	-7.72	-166.59	-151.43	102.5	67.29497	-88.607633	87.9
36.89	1070.33	24.26	14.83	7.11	71.63	4.35	-5.2	1.46	-114.91	107.67	78.23	48.546093	-135.798081	53.08
7.42	965.53	29.55	73.81	2.46	95.72	-5.62	2.02	-0.52	76.26	103.57	-41.6	84.716747	1.702719	87.86
84.97	989.85	29.32	26.89	6.78	39.84	-1.3	-3.87	-1.91	-0.07	178.04	-176.79	45.045536	13.448253	35.04
30.26	924.03	22.09	49.97	9.88	57.58	2.63	-1.93	-7.3	-146.88	52.23	23.34	17.983218	165.809005	48.65
46.22	936.32	29.67	31.8	2.05	51.24	-6.43	-7.66	-7.82	-168.55	-129.7	-40.58	28.848912	178.241227	83.71
91.65	1082.41	21.4	75.36	1.84	81.12	6.84	3.79	-3.62	-19.37	-107.46	-92.06	-50.878807	138.1517	78.18
58.13	996.58	29.66	6.01	4.95	30.06	4.79	-8.53	-3.66	163.41	38.18	-56.17	75.870638	91.897958	62.4
26.49	915.53	24.77	49.95	8.92	33.85	7.42	4.58	-2.31	-162.29	116.91	-47.23	-26.405164	-61.416106	41.88
29.93	955.75	20.01	49.86	7.85	48.01	8.66	-8.91	-9.73	44.7	40.79	-22.3	-83.373413	-134.711376	10.67
82.18	963.95	22.64	86.19	9.71	10.69	8.4	-2.22	1.8	75.4	-72.71	-35.81	6.912002	-138.143834	70.47
92.29	992.72	26.88	32.97	1.4	37.87	6.98	4.8	4.84	61.18	-100.54	-133.6	41.193722	-138.326558	98.74
91.43	1069.58	24.21	15.45	4.12	34.59	3.6	2.55	-1.57	72.82	40.32	-109.51	-63.950691	10.259158	26.55
59.71	906.91	27.51	39.93	8.19	74.96	0.8	6.75	0.59	168.19	2.87	-108.06	-35.750628	159.512125	37.49

32.41	1051.06	23.97	90.35	5.47	94.97	2.44	-3.88	-9.34	153.34	-77.47	-160.28	20.73671	-81.090812	25.32
64.74	1097.12	25.62	22.28	7.45	33.24	-9.55	-0.58	3.65	-99.57	3.41	108.81	6.322185	14.06995	35.13
68.93	1032.65	26.33	35.61	6.05	50.25	-6.72	-0.74	1.75	149.92	-17.68	16.42	37.115833	122.403179	80.4
17.16	1068.36	27.17	53.37	9.84	78.56	6.9	5.71	8.88	151.57	148.86	-63.3	83.126318	164.206352	84.56
13.93	1030.34	25.03	8.12	7.28	74.83	0.22	0.88	-0.74	1.48	-67.91	26.36	-32.278446	-112.734194	63.24
62.49	953.3	27.97	3.13	4.92	81.06	3.14	6.4	-4.28	84.56	-45.1	-147.86	-53.266717	-81.446155	43.2
83.94	1018.62	26.19	20.81	6.72	26.79	-8.87	9.72	5.12	163.74	-11.26	-61.64	-34.937456	71.371237	52.61
93.81	981.48	21.89	84.98	1.15	2.43	-4.23	4.09	7.94	-81.26	-173.23	-143.5	46.917591	-2.442033	70.53
46.21	973.41	22.06	49.51	4.47	58.77	7.83	-2.61	-6.54	-153.18	52.38	106.42	71.733574	45.253505	93.47
26.94	901.93	25.87	1.85	2.66	43.31	-1.51	5.89	-6.96	131.09	-170.35	118.79	-59.5449	55.545562	74.4
21.27	954.12	24.85	21.54	7.73	31.91	6.42	6.01	7.98	143.87	133.1	156.79	-22.991509	-176.160372	15.11
69.69	1091.78	21.64	8.91	2.95	88.94	-9.17	7.7	-9.81	56.38	-31.2	15.06	-74.75566	-56.989862	79.41
99.99	1025.58	28.0	26.01	5.81	72.76	6.55	-8.94	4.57	77.41	-91.34	-56.48	-38.075284	64.657115	49.54
20.6	901.66	22.15	16.76	9.79	68.23	-8.04	4.2	-1.02	-34.19	88.46	-22.12	52.086279	-77.347607	2.51
51.14	1028.25	27.1	8.62	3.0	39.15	6.62	-9.81	-2.54	92.32	-12.74	7.78	-1.493688	-149.801325	69.03
90.01	939.52	24.54	23.52	3.93	73.63	-8.13	2.85	6.75	-4.67	-83.0	19.97	79.786432	-128.0092	22.32
23.72	1077.31	29.71	20.47	8.01	41.41	0.48	-2.19	-1.7	56.7	116.07	-72.52	-17.93431	-9.014909	60.59
55.93	991.71	27.23	14.02	8.22	54.69	-8.23	2.58	4.94	48.71	136.97	116.94	80.354445	-67.339341	51.32
65.42	1015.81	22.67	45.06	6.48	10.59	3.63	7.88	-1.45	-57.43	-141.25	51.93	68.778751	41.143553	57.99
78.92	902.12	23.28	53.07	0.34	19.57	0.99	0.93	7.48	154.34	177.97	-124.94	11.551325	-148.617378	95.97
61.72	998.6	24.06	12.78	7.49	0.75	-5.49	6.31	2.7	65.27	157.1	-111.48	-79.519036	78.608027	81.71
17.14	972.32	24.07	22.65	5.77	43.98	0.02	-1.94	6.17	103.24	35.21	-48.24	-1.873171	-133.048273	26.76
18.94	900.28	22.88	21.36	8.21	24.98	8.91	-9.09	9.2	80.11	-7.47	133.58	-27.917209	-60.333597	68.77
22.89	1067.71	20.39	0.39	8.55	22.6	-9.83	-5.84	1.33	-33.08	174.47	-121.58	27.682135	163.426609	57.6
33.6	1047.07	29.06	57.15	9.22	57.2	5.65	2.89	6.42	64.32	109.07	74.55	45.946681	47.717704	17.39
13.42	1052.67	20.78	97.99	1.36	15.73	-9.69	9.92	-7.22	53.18	-145.15	60.14	-1.344864	139.774418	93.79
39.57	1074.59	22.05	6.64	0.42	92.24	5.09	1.44	8.99	-120.71	-26.94	16.84	-13.088008	6.658843	87.55
99.12	966.77	20.18	69.12	9.54	48.32	9.18	5.48	6.59	177.06	155.87	33.46	81.579379	-143.113542	74.45
88.6	1026.66	28.22	70.55	6.08	94.72	-7.03	8.31	-2.42	104.36	104.12	-173.62	-87.497804	-56.225226	70.91
3.38	1078.94	28.18	14.95	3.34	73.47	-1.83	-2.55	-0.43	0.39	136.79	38.4	-35.135234	-23.678022	99.45
44.33	918.38	20.77	73.85	3.8	83.91	3.38	-4.81	4.6	165.2	102.22	-41.83	-76.749527	-113.563843	98.28

69.15	1049.86	21.2	89.89	5.45	7.77	-3.31	-7.88	-6.53	-29.33	-61.52	101.0	83.398393	-32.514371	10.09
41.06	1074.04	25.77	9.37	1.94	54.89	-7.46	-6.39	3.7	-116.57	106.71	-65.95	73.959707	179.666039	24.25
38.42	985.72	22.35	31.51	5.61	36.02	-3.2	-9.03	-2.35	-162.34	-125.26	79.18	-60.728975	-105.353353	28.58
3.74	957.27	23.59	9.13	2.41	61.47	0.73	1.61	-8.24	-41.82	-151.82	73.31	74.352003	-155.539144	99.68
47.21	925.06	28.28	57.19	5.43	47.35	0.17	-7.81	-9.43	-76.25	5.24	111.22	-86.866541	135.787769	20.53
92.9	1035.6	22.32	31.39	7.01	16.68	7.76	2.36	-7.27	30.32	160.54	107.26	-30.359059	-108.959017	80.94
62.78	930.38	22.58	88.11	5.64	83.03	1.71	-7.68	-5.36	-154.2	-35.98	-61.66	44.689003	114.018908	35.86
55.72	1081.37	23.05	25.13	3.75	27.01	-6.68	9.45	-3.7	2.49	101.67	91.74	56.766007	-46.937847	54.67
79.01	987.05	23.02	34.26	9.94	12.87	-5.83	-8.48	-4.58	-113.2	166.48	-16.54	-88.597312	83.006462	52.93
68.85	926.2	28.92	28.01	4.19	9.58	0.19	2.22	6.09	149.4	-152.69	40.86	26.480962	-90.976627	68.53
97.79	936.32	29.26	77.36	2.64	41.85	0.38	3.76	-4.35	-170.06	-169.32	70.87	26.029874	-66.291642	81.98
13.93	1032.85	21.4	95.87	2.18	65.13	9.21	1.4	-3.05	30.45	150.22	169.28	-35.723113	-155.913075	67.0
24.87	1079.31	20.98	57.09	1.26	47.98	-1.6	-6.61	-1.98	131.74	104.36	-57.35	6.500169	-177.975283	6.52
12.04	1070.9	27.1	58.71	0.77	51.91	-6.76	0.96	8.2	57.8	-3.56	-58.43	83.602731	-131.426783	25.49
85.99	995.27	26.9	23.8	6.65	7.24	8.39	-9.04	5.48	101.81	155.77	-147.21	6.039505	58.496809	8.28
96.45	1000.9	27.06	67.66	0.79	73.09	-3.67	6.53	9.66	-125.22	151.5	-14.97	36.825224	-148.89516	63.95
45.01	1050.89	28.89	46.09	7.12	77.84	1.25	0.94	0.82	-16.86	129.61	84.34	60.797755	-85.70369	13.99
95.42	1078.97	26.16	88.9	1.02	88.47	8.88	-5.4	3.19	31.5	75.03	48.05	53.942334	-75.794995	53.95
53.75	981.64	20.47	90.9	2.44	19.05	1.0	5.52	3.44	-164.34	-101.12	107.43	-74.808436	-135.021779	75.34
68.47	945.69	28.95	16.75	8.49	87.49	-7.87	2.15	-4.11	82.54	-44.11	64.06	-34.536494	-125.157521	21.49
12.74	967.7	22.4	57.0	2.29	4.55	-7.59	1.72	-5.01	-6.64	-113.51	91.85	-39.829588	164.214296	22.64
70.14	1003.86	29.23	28.37	5.63	95.76	-1.78	0.57	9.71	-164.38	173.85	-48.0	27.823193	134.715569	22.08
78.31	1030.18	27.79	99.89	1.09	56.47	5.91	5.43	1.58	-150.23	-91.37	145.8	13.591337	61.171759	91.84
61.02	943.6	27.3	41.82	9.35	47.85	5.25	-0.19	8.14	109.33	-126.14	157.27	28.956703	106.271132	28.0
7.93	1050.4	20.68	54.36	9.67	98.69	-1.67	0.62	4.19	17.75	127.85	99.43	26.804594	-178.285356	23.47
27.63	921.24	21.08	11.03	0.96	74.49	6.69	8.91	-8.62	-88.65	133.83	-94.13	-87.771723	-94.157482	90.25
36.04	1064.56	23.32	6.62	5.33	96.9	-3.16	9.17	1.38	4.91	-110.45	-6.15	-83.555805	12.794143	66.28
45.98	1053.69	26.67	62.12	1.05	76.83	5.36	-9.97	7.03	110.66	133.61	-23.29	-78.091836	-91.302646	15.73
29.59	1029.12	23.06	25.07	1.61	23.02	6.35	-3.55	-8.77	-41.1	-49.7	-119.26	44.8291	-171.800311	13.89
63.35	1091.1	22.41	21.17	0.28	51.85	-8.43	-1.22	-3.23	19.63	-151.0	9.06	41.263214	-63.187589	49.94
17.03	989.54	27.96	81.49	9.57	8.67	-5.54	-9.0	6.9	-101.86	169.42	173.65	-60.884531	61.054701	73.61

46.89	1012.65	22.01	38.7	8.13	59.46	-1.0	-8.1	7.57	18.15	-108.16	-16.43	-20.51315	84.68467	82.22
68.15	978.36	22.64	36.3	1.79	61.49	4.8	-0.26	-7.62	-174.96	-77.59	36.34	37.995251	-178.172689	36.77
18.91	951.15	25.59	2.31	8.14	79.07	-4.34	-1.73	5.77	60.16	-128.12	150.37	-66.063525	68.969099	20.63
7.76	941.6	24.69	83.18	5.01	20.52	-2.84	9.52	-7.04	-91.87	54.76	-86.33	-79.791787	125.875093	35.31
35.73	996.89	27.94	62.99	5.72	87.82	-1.23	9.54	5.39	70.4	169.75	83.73	-48.197352	-84.600858	41.59
60.45	923.04	23.72	29.02	2.01	26.58	-3.83	6.26	-9.04	-16.67	-171.37	113.15	-31.843229	111.116977	38.29
85.58	949.68	21.79	24.76	3.56	84.48	6.42	8.29	-4.87	-154.43	15.61	-62.74	-33.078779	-31.37321	74.58
57.63	1082.74	28.12	88.47	0.42	1.34	4.49	9.59	-2.26	-87.51	-142.57	13.29	-23.606773	-149.492824	14.31
2.36	1013.9	20.8	76.76	9.51	3.39	5.27	0.93	7.06	50.26	-87.47	-1.29	86.658147	-174.201033	31.46
74.49	1021.51	20.56	28.01	7.5	58.41	0.63	5.82	0.19	106.32	46.0	41.14	-63.457147	-106.907962	71.42
50.94	929.25	27.29	68.49	7.42	23.8	-5.88	-8.58	-5.7	134.45	53.46	-70.24	86.32801	-84.654597	95.67
94.16	944.37	20.69	21.48	8.17	50.42	-8.54	-5.06	-8.49	-86.81	-60.9	-170.81	-43.664908	-172.049263	44.17
85.27	1087.08	27.84	10.83	3.63	40.07	5.05	-7.41	-1.15	-80.43	-142.1	9.77	-57.506219	-7.42081	70.18
61.56	942.95	21.51	54.98	1.97	41.05	-5.23	9.03	5.71	-37.74	-175.26	67.47	-30.514545	-132.799852	4.32
76.17	924.18	24.12	97.77	9.61	57.11	7.12	-7.14	-8.27	-48.31	98.91	33.34	11.298503	-158.158465	14.06
60.59	1090.87	28.46	81.26	8.37	37.33	6.84	-6.29	9.32	-109.25	46.6	-160.57	18.941452	157.155531	90.86
6.49	1092.71	23.29	11.84	6.39	21.92	-2.48	-4.25	-7.17	-69.08	94.35	-167.81	-22.355121	-146.289452	30.44
46.6	1027.0	25.7	11.39	3.92	27.94	-1.59	8.91	-8.36	-166.11	-10.85	69.57	-63.486613	-42.92369	81.65
39.56	1031.45	29.04	85.28	2.33	7.63	-7.58	-3.63	-4.59	-64.08	153.65	-55.49	-21.091558	49.527278	9.83
25.35	983.51	23.15	99.46	9.75	73.85	-5.03	-8.88	6.84	-133.47	38.82	85.12	56.399502	-55.956654	20.43
17.13	902.14	24.32	98.6	1.73	53.68	-8.84	0.01	1.5	149.62	-7.37	-25.63	13.698677	137.020518	37.68
42.23	1058.02	21.96	12.83	7.35	24.4	-7.0	7.24	5.87	50.39	174.35	76.77	-20.721147	59.252073	55.78
94.93	917.23	29.14	25.08	6.87	13.32	5.03	1.64	-6.07	107.93	37.91	-44.29	-21.31518	-21.048056	60.98
68.44	911.12	25.54	95.92	9.25	44.89	-3.4	3.37	4.12	-8.52	-35.78	-53.17	-58.320072	-74.860037	12.88
79.8	1091.47	21.14	27.51	6.97	4.5	2.6	2.24	7.08	8.93	71.13	56.31	-54.830414	-147.353955	23.49
70.5	1026.76	26.94	25.25	1.27	89.06	9.63	5.91	-9.9	36.24	-37.66	-156.86	-69.471475	50.158359	57.33
36.81	972.74	21.64	27.97	9.45	15.21	-8.74	6.36	-2.91	83.87	-161.57	-43.45	-29.292926	-105.003746	64.27
84.41	976.09	22.1	67.63	8.85	33.6	-6.34	-0.59	-6.12	166.65	-55.03	25.73	-38.662264	148.10506	71.95
5.13	933.08	28.14	90.72	3.56	91.75	-2.91	-0.03	2.45	110.25	-110.83	104.51	-81.467941	-25.646515	75.16
38.12	970.77	28.54	13.14	5.52	0.84	4.56	7.35	8.33	5.79	-162.03	-62.85	40.362854	70.301338	75.97
47.36	940.84	24.44	58.55	4.19	68.11	5.14	6.86	-2.18	-19.45	0.89	-141.45	5.972564	-25.702243	84.3

76.96	1034.16	20.29	71.88	0.41	7.85	3.66	0.29	-5.51	111.66	59.04	77.7	77.038191	54.133489	7.38
57.73	1096.48	26.34	0.05	9.25	55.18	9.83	0.78	4.19	-51.02	54.29	-72.48	7.069964	-130.121625	73.35
1.24	1019.16	22.1	59.86	8.91	4.64	-2.85	9.84	3.8	-136.94	-111.76	158.82	-67.969999	-175.951484	77.53
46.14	1093.78	23.23	99.07	2.22	94.11	-5.08	9.67	-9.19	87.29	163.26	-138.98	81.153312	-82.213753	0.02
89.6	992.19	20.77	83.67	2.1	63.05	6.71	6.73	0.71	-141.79	117.5	-58.56	62.14756	-133.96913	13.47
28.03	974.8	22.56	57.96	9.54	42.59	-4.61	-8.2	-3.25	-164.78	136.89	111.82	-81.630504	167.053957	1.33
99.06	959.97	27.67	36.62	2.45	21.54	-2.76	8.39	2.92	-151.76	42.29	-109.52	-29.995502	-155.454238	56.79
51.71	1072.94	24.65	62.37	0.65	29.58	5.59	-1.86	0.81	-5.05	40.37	-107.89	82.089973	108.559657	60.03
68.18	1086.45	20.75	43.55	5.65	85.25	8.22	7.89	6.69	118.91	133.14	-146.52	12.480601	128.957214	47.95
37.97	1020.54	23.01	76.62	9.94	75.76	1.85	-5.52	-8.56	-96.99	-130.03	-45.17	24.230535	42.627825	63.65
93.36	977.57	27.26	92.66	6.38	98.11	2.56	-4.24	-7.93	113.77	7.67	-60.23	33.619227	-170.206221	57.87
84.09	914.18	22.08	30.48	5.17	40.76	5.66	-3.68	1.67	-107.1	-164.3	-55.09	44.560021	70.960969	57.35
71.77	1082.8	23.53	77.47	0.03	61.62	-9.02	-6.83	-8.76	103.29	-13.26	75.39	-19.598512	88.624109	24.77
53.95	968.9	26.78	5.95	4.86	64.95	-3.9	-0.9	-5.36	-89.42	-167.07	105.81	-66.765335	-45.117397	99.06
43.44	1086.33	27.62	67.93	2.61	30.33	-0.5	0.31	4.93	-111.91	13.8	-72.16	-63.148125	43.413621	87.25
73.81	993.99	20.6	68.53	9.01	38.4	3.58	3.44	9.73	-165.97	175.34	-89.72	-53.655176	76.862045	63.63
54.87	999.72	24.43	55.25	9.61	11.87	4.68	5.38	-3.49	156.39	-65.65	167.69	-27.083025	-159.647252	20.31
36.3	1063.56	23.92	29.56	2.14	83.26	2.56	-8.91	-9.52	-90.13	168.64	-127.26	-75.959134	-152.718681	98.29
84.31	1031.27	29.74	44.04	3.53	28.63	-0.76	-2.03	6.93	94.83	-54.23	77.35	-84.858882	-92.09363	44.29
28.26	1018.55	27.59	15.4	5.92	37.27	-9.25	6.97	-5.2	-97.47	-143.01	-143.23	-24.157822	98.036929	68.12
98.93	1063.61	29.01	80.17	1.24	40.85	-4.66	1.43	-4.27	126.46	27.57	47.76	75.610847	-42.068205	61.61
87.32	988.84	21.9	71.09	0.34	34.69	-6.39	1.72	-4.87	-85.12	-45.14	90.83	-7.263596	-45.209109	2.71
66.96	966.73	22.26	5.93	5.9	85.44	-2.43	1.35	-1.55	-138.61	-80.11	-49.04	-84.463058	-39.592448	61.88
92.88	956.0	27.66	13.88	8.51	80.14	5.96	-8.28	4.72	177.56	-165.96	123.83	5.439776	123.343646	98.76
2.98	918.69	21.18	20.17	1.94	65.16	-0.76	0.18	-0.55	-71.96	140.73	106.8	-86.265326	152.480183	84.77













