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LAMPIRAN

Lampiran 1 : Data Pasang Surut

Lokasi : Kecamatan Mangarabombang Kabupaten Takalar

No.	Tanggal			Bacaan Skala pada jam																				Bacaan rata-rata/hari				
				00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19		20	21	22	23
1	1	September	2020	90	86	81	74	68	62	57	53	52	51	53	57	60	63	65	67	69	73	78	85	92	97	99	98	72
2	2	September	2020	95	89	82	75	66	59	52	47	44	43	45	48	53	57	62	66	70	76	83	91	98	104	106	105	72
3	3	September	2020	101	95	87	77	68	59	50	44	40	37	40	45	50	56	62	68	76	84	94	102	109	112	111	111	74
4	4	September	2020	107	101	92	82	72	61	52	44	38	34	33	33	37	42	48	56	64	73	83	94	104	112	116	116	71
5	5	September	2020	112	106	98	88	77	66	56	47	39	34	31	30	31	35	41	48	57	67	79	91	103	112	117	118	70
6	6	September	2020	116	110	103	93	83	72	61	52	44	37	32	30	29	30	34	41	50	61	73	87	99	110	116	118	70
7	7	September	2020	117	112	106	97	88	78	68	58	49	42	36	32	29	28	30	34	42	53	67	81	95	106	114	117	70
8	8	September	2020	116	112	107	99	91	82	73	64	56	49	42	37	33	30	39	31	37	47	60	75	90	102	111	114	71
9	9	September	2020	113	110	105	99	84	76	69	62	55	49	43	38	34	32	31	34	42	55	70	85	98	107	111	111	71
10	10	September	2020	110	107	102	96	90	83	77	71	66	60	55	50	45	40	37	35	35	41	51	66	81	95	104	107	71
11	11	September	2020	106	103	98	92	86	80	75	70	66	63	59	55	51	47	43	41	40	43	52	64	79	92	101	104	71
12	12	September	2020	103	99	93	86	80	74	69	66	63	62	60	58	56	54	51	49	48	49	55	66	79	92	100	102	71
13	13	September	2020	100	96	90	83	76	70	65	61	58	57	58	58	57	57	56	56	58	63	72	84	94	100	101	72	
14	14	September	2020	99	94	87	80	72	64	58	53	50	49	50	53	56	59	61	63	66	70	76	84	93	100	103	103	73
15	15	September	2020	99	94	86	77	68	59	51	45	42	40	41	44	50	56	61	67	72	78	85	93	100	106	108	106	72

Lampiran 2 : Hasil wawancara masyarakat di Kecamatan Mangarabombang

Dari hasil wawancara masyarakat sekitar kawasan pesisir di Kecamatan Mangarabombang

No	Pertanyaan	Jawaban				
		Topejawa	Lakatong	Cikoang	Punaga	Laikang
1	Apa pekerjaan mayoritas masyarakat sekitar ?	Petani rumput laut	Petani rumput laut	Petani rumput laut	Petani rumput laut	Petani rumput laut
2	Apakah kerusakan lingkungan berpengaruh terhadap penghasilan masyarakat ?	Ya	Ya	Ya	Ya	Ya
	Apakah terjadi kemunduran garis pantai ?					
	-Masyarakat	-1 m	-1,5 m	-1 m	-2 m	-1,5 m
	-Data	-0,33 m	-0,87 m	-1,83 m	-0,76 m	+0,19 m
3	Apakah terdapat bangunan pelindung pantai?	Ya	Ya	Tidak	Tidak	Ya
	Apakah masih layak digunakan?	Tidak	Ya	-	-	Ya
4	Apakah terdapat sedimentasi di muara?	Tidak	Tidak	Ya	Ya	Tidak
	Jika iya, apakah sampai menutup muara?	-	-	Tidak	Ya	-
5	Apakah terdapat tanaman mangrove ?	Tidak	Tidak	Tidak	Tidak	Ya
	Jika iya, berapa ketebalan hutan mangrove?	-	-	-	-	12 m
6	Berapa tinggi gelombang ?					
	-Masyarakat	1,5 m	1 m	0,5 m	1 m	1,5 m
	-Data	0,68 m	0,68 m	0,68 m	0,68 m	0,68 m
7	Berapa kenaikan air laut saat air sedang pasang ?					
	-Masyarakat	1 m	2 m	1 m	1,5 m	2 m
	-Data	1,28 m	1,28 m	1,28 m	1,28 m	1,28 m
8	Berapa penurunan air laut saat air sedang surut ?					
	-Masyarakat	0,5 m	1 m	1 m	1,5 m	1 m
	-Data	0,15 m	0,15 m	0,15 m	0,15 m	0,15 m
9	Pada bulan apa gelombang tertinggi?					
	-Masyarakat	Desember	Januari	Januari	Desember	Januari
	-Data	Januari	Januari	Januari	Januari	Januari

Lampiran 3 : Data Kemiringan Pantai

No	Kedalaman (m)	Jarak HAT-LAT (m)	d/m	Tan d/m	degree	Nama Desa	X	Y
1	1.12	15.03255769	0.074504953	0.074367551	4.260947	Laikang	119° 28' 59.823" E	5° 33' 59.823" S
2	1.12	15.28027244	0.073297122	0.073166282	4.192119	Laikang	119° 28' 57.000" E	5° 34' 1.180" S
3	1.12	8.88592924	0.126041967	0.125380799	7.183791	Laikang	119° 28' 54.996" E	5° 34' 0.996" S
4	1.12	15.68503926	0.071405623	0.071284633	4.084309	Laikang	119° 28' 52.886" E	5° 34' 1.114" S
5	1.12	13.08866431	0.085570229	0.085362286	4.890899	Laikang	119° 28' 51.000" E	5° 34' 0.874" S
6	1.12	14.33896893	0.078108824	0.077950556	4.466238	Laikang	119° 28' 48.883" E	5° 34' 0.883" S
7	1.12	18.4849322	0.06058989	0.060515908	3.467306	Laikang	119° 28' 46.930" E	5° 34' 1.070" S
8	1.12	16.2127113	0.069081598	0.068972019	3.951806	Laikang	119° 28' 45.000" E	5° 34' 1.080" S
9	1.12	18.21969326	0.061471946	0.061394691	3.517657	Laikang	119° 28' 43.321" E	5° 34' 1.321" S
10	1.12	17.4653108	0.064127115	0.064039429	3.669189	Laikang	119° 28' 40.373" E	5° 34' 1.627" S
11	1.12	18.39141063	0.060897993	0.060822879	3.484894	Laikang	119° 28' 39.000" E	5° 34' 1.811" S
12	1.12	14.49627483	0.077261228	0.077108045	4.417966	Laikang	119° 28' 37.851" E	5° 34' 1.851" S
13	1.12	21.78413517	0.051413563	0.051368333	2.943189	Laikang	119° 28' 36.238" E	5° 34' 3.000" S
14	1.12	34.73401326	0.03224505	0.032233882	1.846865	Laikang	119° 28' 35.903" E	5° 34' 5.903" S
15	1.12	34.82349791	0.032162191	0.032151109	1.842123	Laikang	119° 28' 35.903" E	5° 34' 6.097" S
16	1.12	34.85437749	0.032133697	0.032122644	1.840492	Laikang	119° 28' 35.630" E	5° 34' 9.000" S
17	1.12	33.91925036	0.033019598	0.033007605	1.891196	Laikang	119° 28' 34.690" E	5° 34' 10.690" S
18	1.12	23.37746304	0.04790939	0.047872785	2.742909	Laikang	119° 28' 33.000" E	5° 34' 11.764" S
19	1.12	17.6577372	0.063428286	0.06334343	3.629311	Laikang	119° 28' 31.298" E	5° 34' 13.298" S
20	1.12	22.86204587	0.048989491	0.048950357	2.804649	Laikang	119° 28' 30.728" E	5° 34' 15.000" S
21	1.12	27.54010957	0.040667957	0.04064556	2.328819	Laikang	119° 28' 29.482" E	5° 34' 17.482" S
22	1.12	25.4048504	0.044086069	0.044057541	2.524311	Laikang	119° 28' 27.000" E	5° 34' 19.011" S
23	1.12	18.80907714	0.059545718	0.05947549	3.407695	Laikang	119° 28' 25.488" E	5° 34' 19.488" S
24	1.12	25.20105958	0.044442576	0.04441335	2.544698	Laikang	119° 28' 24.456" E	5° 34' 21.000" S

25	1.12	36.4614053	0.030717412	0.030707756	1.759425	Laikang	119° 28' 23.365" E	5° 34' 23.365" S
26	1.12	35.8826016	0.031212898	0.031202768	1.787787	Laikang	119° 28' 21.000" E	5° 34' 24.949" S
27	1.12	35.30620693	0.031722467	0.031711833	1.816954	Laikang	119° 28' 19.438" E	5° 34' 25.438" S
28	1.12	26.96724473	0.041531866	0.041508011	2.378234	Laikang	119° 28' 16.091" E	5° 34' 25.909" S
29	1.12	22.44843933	0.04989211	0.049850774	2.856239	Laikang	119° 28' 15.000" E	5° 34' 26.171" S
30	1.12	19.2976551	0.05803814	0.057973105	3.321614	Laikang	119° 28' 14.448" E	5° 34' 26.448" S
31	1.12	23.40260273	0.047857925	0.047821437	2.739967	Laikang	119° 28' 14.170" E	5° 34' 27.000" S
32	1.12	26.04647942	0.043000053	0.04297358	2.462205	Laikang	119° 28' 13.447" E	5° 34' 28.553" S
33	1.12	71.04692272	0.01576423	0.015762924	0.903149	Laikang	119° 28' 13.391" E	5° 34' 31.391" S
34	1.12	28.25760056	0.039635354	0.039614618	2.26975	Laikang	119° 28' 9.939" E	5° 34' 32.061" S
35	1.12	33.11794177	0.033818527	0.033805643	1.936921	Laikang	119° 28' 9.000" E	5° 34' 32.617" S
36	1.12	30.12467972	0.037178819	0.037161702	2.129209	Laikang	119° 28' 8.645" E	5° 34' 32.645" S
37	1.12	35.36770865	0.031667305	0.031656725	1.813797	Laikang	119° 28' 8.217" E	5° 34' 33.000" S
38	1.12	55.41369431	0.02021161	0.020208859	1.157882	Laikang	119° 28' 7.675" E	5° 34' 34.325" S
39	1.12	118.6957326	0.009435891	0.009435611	0.540621	Laikang	119° 28' 7.821" E	5° 34' 37.821" S
40	1.12	65.02905615	0.01722307	0.017221368	0.986712	Laikang	119° 28' 4.221" E	5° 34' 39.000" S
41	1.12	117.656134	0.009519266	0.009518978	0.545397	Laikang	119° 28' 5.234" E	5° 34' 41.234" S
42	1.12	135.7046277	0.008253219	0.008253032	0.472864	Laikang	119° 28' 5.674" E	5° 34' 42.326" S
43	1.12	140.3104453	0.0079823	0.00798213	0.457342	Laikang	119° 28' 7.132" E	5° 34' 45.000" S
44	1.12	157.2795207	0.00712108	0.007120959	0.408001	Laikang	119° 28' 8.533" E	5° 34' 45.467" S
45	1.12	138.4791724	0.008087859	0.008087683	0.46339	Laikang	119° 28' 9.000" E	5° 34' 46.975" S
46	1.12	154.7865129	0.007235773	0.007235646	0.414572	Laikang	119° 28' 10.826" E	5° 34' 49.174" S
47	1.12	196.0516049	0.005712782	0.005712719	0.327315	Laikang	119° 28' 12.840" E	5° 34' 51.000" S
48	1.12	223.2606134	0.005016559	0.005016517	0.287425	Laikang	119° 28' 13.991" E	5° 34' 52.009" S
49	1.12	241.0925893	0.004645518	0.004645485	0.266167	Laikang	119° 28' 15.000" E	5° 34' 52.730" S
50	1.12	239.4821856	0.004676757	0.004676723	0.267956	Laikang	119° 28' 17.390" E	5° 34' 54.610" S
51	1.12	276.7295325	0.004047273	0.004047251	0.23189	Laikang	119° 28' 20.220" E	5° 34' 56.220" S

52	1.12	289.1528048	0.003873385	0.003873365	0.221927	Laikang	119° 28' 21.000" E	5° 34' 56.701" S
53	1.12	292.4791083	0.003829333	0.003829315	0.219404	Laikang	119° 28' 21.187" E	5° 34' 56.813" S
54	1.12	303.1257854	0.003694836	0.003694819	0.211698	Laikang	119° 28' 21.688" E	5° 34' 57.000" S
55	1.12	373.9559924	0.002995005	0.002994996	0.171601	Laikang	119° 28' 25.081" E	5° 34' 58.919" S
56	1.12	423.424502	0.0026451	0.002645093	0.151553	Laikang	119° 28' 27.000" E	5° 34' 59.726" S
57	1.12	454.2357397	0.00246568	0.002465675	0.141273	Laikang	119° 28' 29.485" E	5° 35' 0.515" S
58	1.12	423.3375067	0.002645643	0.002645637	0.151584	Laikang	119° 28' 30.696" E	5° 35' 0.696" S
59	1.12	362.8160943	0.003086963	0.003086954	0.176869	Laikang	119° 28' 33.000" E	5° 35' 1.262" S
60	1.12	330.3955221	0.003389876	0.003389863	0.194225	Laikang	119° 28' 34.655" E	5° 35' 1.345" S
61	1.12	284.425044	0.003937769	0.003937748	0.225616	Laikang	119° 28' 37.210" E	5° 35' 1.210" S
62	1.12	230.7587118	0.004853555	0.004853516	0.278086	Laikang	119° 28' 39.000" E	5° 35' 1.284" S
63	1.12	176.4610421	0.00634701	0.006346925	0.363652	Laikang	119° 28' 40.948" E	5° 35' 1.052" S
64	1.12	130.9054375	0.008555794	0.008555586	0.490199	Laikang	119° 28' 42.721" E	5° 35' 0.721" S
65	1.12	74.66344156	0.015000648	0.014999523	0.859409	Laikang	119° 28' 45.000" E	5° 35' 0.488" S
66	1.12	96.21446247	0.011640662	0.011640136	0.666931	Laikang	119° 28' 46.096" E	5° 34' 58.096" S
67	1.12	42.93909058	0.026083459	0.026077546	1.494133	Laikang	119° 28' 50.445" E	5° 34' 57.555" S
68	1.12	41.10063756	0.027250186	0.027243443	1.560934	Laikang	119° 28' 51.000" E	5° 34' 57.295" S
69	1.12	40.13663104	0.027904684	0.027897444	1.598406	Laikang	119° 28' 51.201" E	5° 34' 57.201" S
70	1.12	42.23981913	0.026515265	0.026509054	1.518857	Laikang	119° 28' 51.333" E	5° 34' 57.000" S
71	1.12	41.63165739	0.026902604	0.026896117	1.541034	Laikang	119° 28' 54.261" E	5° 34' 54.261" S
72	1.12	31.68668663	0.035346075	0.035331366	2.024338	Laikang	119° 28' 57.000" E	5° 34' 53.368" S
73	1.12	27.41933294	0.040847091	0.040824397	2.339066	Laikang	119° 28' 58.647" E	5° 34' 52.647" S
74	1.12	34.4290782	0.032530641	0.032519174	1.863211	Laikang	119° 28' 59.627" E	5° 34' 51.000" S
75	1.12	30.45184107	0.036779385	0.036762815	2.106354	Laikang	119° 29' 1.399" E	5° 34' 49.399" S
76	1.12	27.77675575	0.040321484	0.040299653	2.309	Laikang	119° 29' 3.000" E	5° 34' 48.876" S
77	1.12	23.65345152	0.047350383	0.047315044	2.710952	Laikang	119° 29' 5.112" E	5° 34' 48.888" S
78	1.12	24.01300129	0.0466414	0.046607623	2.67042	Laikang	119° 29' 6.888" E	5° 34' 48.888" S

79	1.12	24.69140838	0.045359908	0.045328836	2.597151	Laikang	119° 29' 9.000" E	5° 34' 48.900" S
80	1.12	22.97004323	0.048759159	0.048720574	2.791483	Laikang	119° 29' 11.011" E	5° 34' 48.989" S
81	1.12	23.42497117	0.047812225	0.047775842	2.737354	Laikang	119° 29' 12.989" E	5° 34' 48.989" S
82	1.12	22.51450669	0.049745705	0.049704731	2.847871	Laikang	119° 29' 15.000" E	5° 34' 49.071" S
83	1.12	19.80888268	0.056540291	0.056480157	3.236075	Laikang	119° 29' 16.793" E	5° 34' 49.207" S
84	1.12	19.95697529	0.056120729	0.056061922	3.212112	Laikang	119° 29' 19.218" E	5° 34' 49.218" S
85	1.12	23.63915851	0.047379013	0.047343609	2.712589	Laikang	119° 29' 21.000" E	5° 34' 49.337" S
86	1.12	24.62603	0.045480331	0.045449012	2.604037	Laikang	119° 29' 22.075" E	5° 34' 49.925" S
87	1.12	24.37954286	0.045940156	0.045907878	2.630328	Laikang	119° 29' 22.736" E	5° 34' 51.000" S
88	1.12	21.58401728	0.051890248	0.051843749	2.970428	Laikang	119° 29' 22.944" E	5° 34' 52.944" S
89	1.12	21.39915264	0.052338521	0.052290809	2.996043	Laikang	119° 29' 23.017" E	5° 34' 54.983" S
90	1.12	19.66657563	0.056949416	0.056887969	3.259441	Laikang	119° 29' 23.271" E	5° 34' 57.000" S
91	1.12	16.26586111	0.068855869	0.068747359	3.938934	Laikang	119° 29' 24.532" E	5° 34' 59.468" S
92	1.12	22.31614883	0.050187871	0.050145797	2.873143	Laikang	119° 29' 27.000" E	5° 35' 0.839" S
93	1.12	27.38033888	0.040905264	0.040882472	2.342393	Laikang	119° 29' 28.293" E	5° 35' 1.707" S
94	1.12	25.86376308	0.04330383	0.043276792	2.479578	Laikang	119° 29' 28.880" E	5° 35' 3.000" S
95	1.12	19.55604718	0.057271287	0.057208794	3.277822	Laikang	119° 29' 28.876" E	5° 35' 4.876" S
96	1.12	20.32505597	0.055104399	0.055048726	3.15406	Laikang	119° 29' 28.949" E	5° 35' 7.051" S
97	1.12	19.66775228	0.056946009	0.056884573	3.259246	Laikang	119° 29' 28.945" E	5° 35' 9.000" S
98	1.12	17.45656091	0.064159258	0.06407144	3.671023	Laikang	119° 29' 28.924" E	5° 35' 10.924" S
99	1.12	18.72030746	0.059828077	0.059756847	3.423815	Laikang	119° 29' 29.080" E	5° 35' 12.920" S
100	1.12	17.00284439	0.065871332	0.065776306	3.768705	Laikang	119° 29' 29.061" E	5° 35' 15.000" S
101	1.12	14.38795982	0.077842864	0.077686203	4.451092	Laikang	119° 29' 29.001" E	5° 35' 17.001" S
102	1.12	15.96238205	0.070164966	0.070050162	4.013579	Laikang	119° 29' 29.127" E	5° 35' 18.873" S
103	1.12	13.86151326	0.080799259	0.080624111	4.619421	Laikang	119° 29' 29.074" E	5° 35' 21.000" S
104	1.12	11.89735421	0.094138577	0.093861959	5.377894	Laikang	119° 29' 29.002" E	5° 35' 23.002" S
105	1.12	12.28849547	0.091142158	0.090891039	5.207673	Laikang	119° 29' 29.047" E	5° 35' 24.953" S

106	1.12	16.16072865	0.069303806	0.069193169	3.964477	Laikang	119° 29' 28.981" E	5° 35' 27.000" S
107	1.12	17.98249133	0.062282805	0.062202457	3.563938	Laikang	119° 29' 28.337" E	5° 35' 28.337" S
108	1.12	14.77600974	0.075798542	0.075653876	4.334648	Laikang	119° 29' 27.000" E	5° 35' 29.070" S
109	1.12	10.88314837	0.102911397	0.102550385	5.875704	Laikang	119° 29' 24.374" E	5° 35' 29.626" S
110	1.12	11.84016353	0.094593288	0.094312656	5.403717	Laikang	119° 29' 23.791" E	5° 35' 29.791" S
111	1.12	9.86641695	0.113516387	0.113032532	6.476287	Laikang	119° 29' 21.000" E	5° 35' 30.283" S
112	1.12	5.764934921	0.194277995	0.191887627	10.99435	Laikang	119° 29' 18.929" E	5° 35' 30.929" S
113	1.12	6.733808805	0.166324889	0.164816118	9.443268	Laikang	119° 29' 17.468" E	5° 35' 33.000" S
114	1.12	14.1627445	0.079080718	0.078916483	4.521581	Laikang	119° 29' 17.877" E	5° 35' 35.877" S
115	1.12	14.27122863	0.078479578	0.078319051	4.487351	Laikang	119° 29' 17.912" E	5° 35' 36.088" S
116	1.12	14.91218522	0.075106363	0.074965615	4.295213	Laikang	119° 29' 18.301" E	5° 35' 39.000" S
117	1.12	14.67587315	0.076315732	0.076168091	4.36411	Laikang	119° 29' 18.252" E	5° 35' 41.748" S
118	1.12	18.27487976	0.061286313	0.061209755	3.507061	Laikang	119° 29' 18.340" E	5° 35' 42.340" S
119	1.12	15.86652078	0.070588884	0.07047199	4.037748	Laikang	119° 29' 18.275" E	5° 35' 45.000" S
120	1.12	13.78619588	0.081240685	0.081062659	4.644548	Laikang	119° 29' 18.899" E	5° 35' 47.101" S
121	1.12	17.40876937	0.064335392	0.064246849	3.681073	Laikang	119° 29' 21.000" E	5° 35' 48.467" S
122	1.12	19.42789644	0.057649062	0.057585325	3.299396	Laikang	119° 29' 23.378" E	5° 35' 48.622" S
123	1.12	20.51925616	0.054582875	0.054528766	3.124268	Laikang	119° 29' 24.516" E	5° 35' 48.516" S
124	1.12	21.58088416	0.051897781	0.051851263	2.970859	Laikang	119° 29' 27.000" E	5° 35' 48.636" S
125	1.12	21.23859794	0.052734178	0.052685377	3.01865	Laikang	119° 29' 28.502" E	5° 35' 49.498" S
126	1.12	15.64386788	0.071593548	0.071471602	4.095021	Laikang	119° 29' 29.349" E	5° 35' 51.000" S
127	1.12	8.807762152	0.127160564	0.12648175	7.24687	Laikang	119° 29' 30.570" E	5° 35' 53.430" S
128	1.12	15.78952195	0.070933117	0.070814508	4.057372	Laikang	119° 29' 33.000" E	5° 35' 54.662" S
129	1.12	21.19832659	0.052834359	0.052785279	3.024374	Laikang	119° 29' 34.470" E	5° 35' 55.530" S
130	1.12	20.42538845	0.054833718	0.054778861	3.138598	Laikang	119° 29' 35.250" E	5° 35' 57.000" S
131	1.12	16.99094678	0.065917457	0.065822232	3.771336	Laikang	119° 29' 35.386" E	5° 35' 59.386" S
132	1.12	16.38171813	0.068368897	0.068262669	3.911163	Laikang	119° 29' 35.386" E	5° 36' 0.614" S

133	1.12	18.21160231	0.061499256	0.061421899	3.519216	Laikang	119° 29' 35.539" E	5° 36' 3.000" S
134	1.12	20.76155933	0.053945852	0.053893613	3.087877	Laikang	119° 29' 35.769" E	5° 36' 5.769" S
135	1.12	20.20696392	0.055426436	0.055369782	3.172455	Laikang	119° 29' 35.769" E	5° 36' 6.231" S
136	1.12	22.51737956	0.049739358	0.0496984	2.847509	Laikang	119° 29' 36.045" E	5° 36' 9.000" S
137	1.12	22.80684204	0.04910807	0.049068651	2.811427	Laikang	119° 29' 36.270" E	5° 36' 11.730" S
138	1.12	25.07333488	0.044668968	0.044639294	2.557643	Laikang	119° 29' 36.388" E	5° 36' 12.388" S
139	1.12	30.18418315	0.037105526	0.037088511	2.125015	Laikang	119° 29' 36.646" E	5° 36' 15.000" S
140	1.12	35.58383271	0.031474968	0.03146458	1.802788	Laikang	119° 29' 35.843" E	5° 36' 17.843" S
141	1.12	25.31639385	0.044240108	0.04421128	2.53312	Laikang	119° 29' 33.000" E	5° 36' 20.145" S
142	1.12	21.12882253	0.05300816	0.052958595	3.034304	Laikang	119° 29' 32.550" E	5° 36' 20.550" S
143	1.12	23.66222531	0.047332826	0.047297526	2.709949	Laikang	119° 29' 32.423" E	5° 36' 21.000" S
144	1.12	23.56926798	0.047519507	0.047483788	2.720621	Laikang	119° 29' 32.073" E	5° 36' 21.927" S
145	1.12	93.61923106	0.011963354	0.011962783	0.685417	Laikang	119° 29' 32.790" E	5° 36' 26.790" S
146	1.12	78.99181737	0.014178684	0.014177734	0.812324	Laikang	119° 29' 31.849" E	5° 36' 27.000" S
147	1.12	105.0337734	0.010663237	0.010662833	0.610935	Laikang	119° 29' 32.249" E	5° 36' 27.751" S
148	1.12	144.8921187	0.007729889	0.007729735	0.442881	Laikang	119° 29' 33.000" E	5° 36' 28.808" S
149	1.12	239.8085882	0.004670392	0.004670358	0.267592	Laikang	119° 29' 34.453" E	5° 36' 31.547" S
150	1.12	276.5445298	0.004049981	0.004049959	0.232046	Laikang	119° 29' 35.366" E	5° 36' 33.000" S
151	1.12	314.0520593	0.003566288	0.003566273	0.204332	Laikang	119° 29' 35.865" E	5° 36' 35.865" S
152	1.12	317.9268338	0.003522823	0.003522809	0.201842	Laikang	119° 29' 35.909" E	5° 36' 36.091" S
153	1.12	373.7322836	0.002996798	0.002996789	0.171703	Laikang	119° 29' 36.389" E	5° 36' 39.000" S
154	1.12	419.7199735	0.002668446	0.002668439	0.15289	Laikang	119° 29' 35.929" E	5° 36' 41.929" S
155	1.12	422.8191731	0.002648887	0.00264888	0.15177	Laikang	119° 29' 35.910" E	5° 36' 42.090" S
156	1.12	455.6249358	0.002458162	0.002458157	0.140842	Laikang	119° 29' 35.485" E	5° 36' 45.000" S
157	1.12	460.6917064	0.002431127	0.002431122	0.139293	Laikang	119° 29' 34.775" E	5° 36' 46.775" S
158	1.12	496.5028002	0.002255778	0.002255774	0.129246	Laikang	119° 29' 33.395" E	5° 36' 50.605" S
159	1.12	501.5428956	0.002233109	0.002233105	0.127948	Laikang	119° 29' 33.246" E	5° 36' 51.000" S

160	1.12	502.5336575	0.002228706	0.002228703	0.127695	Laikang	119° 29' 33.147" E	5° 36' 51.147" S
161	1.12	503.9726516	0.002222343	0.002222339	0.127331	Laikang	119° 29' 33.000" E	5° 36' 51.358" S
162	1.12	496.3648732	0.002256405	0.002256401	0.129282	Laikang	119° 29' 32.495" E	5° 36' 51.505" S
163	1.12	464.2127437	0.002412687	0.002412682	0.138237	Laikang	119° 29' 28.920" E	5° 36' 52.920" S
164	1.12	447.7147694	0.002501593	0.002501587	0.14333	Laikang	119° 29' 27.000" E	5° 36' 53.335" S
165	1.12	420.4364246	0.002663899	0.002663892	0.15263	Laikang	119° 29' 24.753" E	5° 36' 53.247" S
166	1.12	412.5945905	0.002714529	0.002714522	0.155531	Laikang	119° 29' 23.349" E	5° 36' 53.349" S
167	1.12	399.3179598	0.002804782	0.002804775	0.160702	Laikang	119° 29' 21.000" E	5° 36' 53.276" S
168	1.12	385.0456828	0.002908746	0.002908738	0.166658	Laikang	119° 29' 19.046" E	5° 36' 52.954" S
169	1.12	376.6040621	0.002973946	0.002973937	0.170394	Laikang	119° 29' 16.765" E	5° 36' 52.765" S
170	1.12	370.9809577	0.003019023	0.003019014	0.172977	Laikang	119° 29' 15.000" E	5° 36' 52.512" S
171	1.12	366.334565	0.003057315	0.003057305	0.175171	Laikang	119° 29' 13.792" E	5° 36' 52.208" S
172	1.12	381.7740966	0.002933672	0.002933664	0.168087	Laikang	119° 29' 9.364" E	5° 36' 51.364" S
173	1.12	384.5732183	0.002912319	0.002912311	0.166863	Laikang	119° 29' 9.000" E	5° 36' 51.281" S
174	1.12	386.4727429	0.002898005	0.002897997	0.166043	Laikang	119° 29' 8.772" E	5° 36' 51.228" S
175	1.12	394.4539208	0.002839368	0.002839361	0.162683	Laikang	119° 29' 7.832" E	5° 36' 51.000" S
176	1.12	411.0076493	0.00272501	0.002725003	0.156131	Laikang	119° 29' 4.688" E	5° 36' 49.312" S
177	1.12	424.9566969	0.002635563	0.002635557	0.151006	Laikang	119° 29' 3.000" E	5° 36' 48.227" S
178	1.12	434.663758	0.002576704	0.002576699	0.147634	Laikang	119° 29' 1.310" E	5° 36' 46.690" S
179	1.12	385.6694394	0.002904041	0.002904033	0.166389	Laikang	119° 28' 59.953" E	5° 36' 45.000" S
180	1.12	324.7367758	0.003448947	0.003448934	0.197609	Laikang	119° 28' 59.048" E	5° 36' 42.952" S
181	1.12	222.9901852	0.005022643	0.0050226	0.287774	Laikang	119° 28' 57.532" E	5° 36' 39.532" S
182	1.12	207.1171341	0.005407568	0.005407515	0.309828	Laikang	119° 28' 57.297" E	5° 36' 39.000" S
183	1.12	200.3923263	0.005589036	0.005588978	0.320225	Laikang	119° 28' 57.224" E	5° 36' 38.776" S
184	1.12	185.6585995	0.006032578	0.006032505	0.345637	Laikang	119° 28' 57.000" E	5° 36' 38.282" S
185	1.12	72.78107587	0.015388616	0.015387401	0.881633	Laikang	119° 28' 55.493" E	5° 36' 34.507" S
186	1.12	28.57004969	0.039201892	0.039181829	2.244953	Laikang	119° 28' 54.451" E	5° 36' 33.000" S

187	1.12	27.36793063	0.04092381	0.040900987	2.343454	Laikang	119° 28' 51.225" E	5° 36' 32.775" S
188	1.12	27.45992817	0.040786705	0.040764111	2.335612	Laikang	119° 28' 51.000" E	5° 36' 32.766" S
189	1.12	27.62568373	0.040541983	0.040519793	2.321613	Laikang	119° 28' 50.759" E	5° 36' 32.759" S
190	1.12	24.30816215	0.046075059	0.046042496	2.638041	Laikang	119° 28' 45.580" E	5° 36' 32.420" S
191	1.12	20.50273468	0.054626859	0.054572619	3.126781	Laikang	119° 28' 45.000" E	5° 36' 32.404" S
192	1.12	19.54223605	0.057311763	0.057249137	3.280134	Laikang	119° 28' 44.550" E	5° 36' 32.550" S
193	1.12	24.47974883	0.045752103	0.04572022	2.619576	Laikang	119° 28' 44.238" E	5° 36' 33.000" S
194	1.12	29.39370136	0.038103401	0.038084977	2.182108	Laikang	119° 28' 42.489" E	5° 36' 35.511" S
195	1.12	41.25483087	0.027148336	0.027141669	1.555103	Laikang	119° 28' 42.263" E	5° 36' 36.263" S
196	1.12	31.011178	0.03611601	0.036100319	2.068396	Laikang	119° 28' 41.821" E	5° 36' 36.179" S
197	1.12	26.91266646	0.041616092	0.041592092	2.383051	Laikang	119° 28' 39.000" E	5° 36' 37.147" S
198	1.12	25.47177705	0.043970234	0.04394193	2.517687	Laikang	119° 28' 37.325" E	5° 36' 37.325" S
199	1.12	22.75049641	0.049229695	0.049189982	2.818378	Laikang	119° 28' 34.537" E	5° 36' 37.463" S
200	1.12	23.71939822	0.047218736	0.04718369	2.703426	Laikang	119° 28' 33.000" E	5° 36' 37.611" S
201	1.12	23.26002572	0.04815128	0.048114118	2.756736	Laikang	119° 28' 31.664" E	5° 36' 37.664" S
202	1.12	24.43159834	0.045842273	0.045810201	2.624731	Laikang	119° 28' 28.138" E	5° 36' 37.862" S
203	1.12	24.89941107	0.044980984	0.044950684	2.575484	Laikang	119° 28' 27.000" E	5° 36' 37.909" S
204	1.12	23.97036331	0.046724365	0.046690407	2.675163	Laikang	119° 28' 25.883" E	5° 36' 37.883" S
205	1.12	25.7991371	0.043412305	0.043385063	2.485781	Laikang	119° 28' 22.081" E	5° 36' 37.919" S
206	1.12	25.02819288	0.044749535	0.0447197	2.56225	Laikang	119° 28' 21.000" E	5° 36' 37.891" S
207	1.12	25.79921881	0.043412167	0.043384926	2.485773	Laikang	119° 28' 19.924" E	5° 36' 37.924" S
208	1.12	22.81112716	0.049098845	0.049059448	2.810899	Laikang	119° 28' 16.174" E	5° 36' 37.826" S
209	1.12	23.38402756	0.047895941	0.047859366	2.74214	Laikang	119° 28' 15.000" E	5° 36' 37.858" S
210	1.12	23.42246516	0.047817341	0.047780946	2.737647	Laikang	119° 28' 13.873" E	5° 36' 37.873" S
211	1.12	21.29641483	0.052591012	0.052542606	3.01047	Laikang	119° 28' 10.218" E	5° 36' 37.782" S
212	1.12	22.11729285	0.050639109	0.05059589	2.898931	Laikang	119° 28' 9.000" E	5° 36' 37.796" S
213	1.12	21.8050614	0.051364221	0.051319122	2.940369	Laikang	119° 28' 7.761" E	5° 36' 37.761" S

214	1.12	18.15074671	0.06170545	0.061627313	3.530985	Laikang	119° 28' 4.548" E	5° 36' 37.452" S
215	1.12	18.03875046	0.062088558	0.062008958	3.552852	Laikang	119° 28' 3.000" E	5° 36' 37.413" S
216	1.12	18.884858	0.059306774	0.059237387	3.394052	Laikang	119° 28' 1.415" E	5° 36' 37.415" S
217	1.12	16.2282634	0.069015394	0.06890613	3.94803	Laikang	119° 27' 58.743" E	5° 36' 37.257" S
218	1.12	17.85932914	0.062712322	0.062630303	3.588452	Laikang	119° 27' 57.000" E	5° 36' 37.259" S
219	1.12	15.98758225	0.07005437	0.069940106	4.007273	Laikang	119° 27' 54.997" E	5° 36' 36.997" S
220	1.12	21.21865268	0.052783747	0.052734808	3.021482	Laikang	119° 27' 53.061" E	5° 36' 36.939" S
221	1.12	19.49513528	0.05745023	0.057387149	3.288041	Laikang	119° 27' 51.000" E	5° 36' 36.599" S
222	1.12	21.00847577	0.053311816	0.053261395	3.051653	Laikang	119° 27' 48.394" E	5° 36' 36.394" S
223	1.12	22.01640832	0.05087115	0.050827335	2.912192	Laikang	119° 27' 47.641" E	5° 36' 36.359" S
224	1.12	21.76613959	0.05145607	0.051410728	2.945618	Laikang	119° 27' 45.000" E	5° 36' 36.136" S
225	1.12	21.02659355	0.05326588	0.053215589	3.049029	Laikang	119° 27' 42.044" E	5° 36' 35.956" S
226	1.12	21.11711316	0.053037553	0.052987905	3.035983	Laikang	119° 27' 41.955" E	5° 36' 35.955" S
227	1.12	20.55730938	0.054481838	0.054428028	3.118496	Laikang	119° 27' 39.000" E	5° 36' 35.793" S
228	1.12	18.40965297	0.060837649	0.060762757	3.48145	Laikang	119° 27' 36.419" E	5° 36' 35.581" S
229	1.12	19.20868326	0.058306964	0.058241023	3.336965	Laikang	119° 27' 35.580" E	5° 36' 35.580" S
230	1.12	15.76888848	0.071025932	0.070906858	4.062664	Laikang	119° 27' 33.000" E	5° 36' 35.397" S
231	1.12	14.62471598	0.076582684	0.076433492	4.379316	Laikang	119° 27' 30.459" E	5° 36' 35.541" S
232	1.12	15.35230584	0.072953211	0.072824199	4.172519	Laikang	119° 27' 29.658" E	5° 36' 35.658" S
233	1.12	18.26853219	0.061307607	0.061230969	3.508276	Laikang	119° 27' 27.000" E	5° 36' 35.782" S
234	1.12	19.42597201	0.057654773	0.057591017	3.299722	Laikang	119° 27' 25.058" E	5° 36' 34.942" S
235	1.12	17.13069166	0.06537973	0.065286813	3.740659	Laikang	119° 27' 23.705" E	5° 36' 33.000" S
236	1.12	9.289098067	0.120571448	0.119992223	6.875048	Laikang	119° 27' 22.888" E	5° 36' 31.112" S
237	1.12	15.35280108	0.072950857	0.072821858	4.172385	Laikang	119° 27' 21.000" E	5° 36' 30.005" S
238	1.12	22.85479289	0.049005038	0.048965866	2.805537	Laikang	119° 27' 19.011" E	5° 36' 28.989" S
239	1.12	24.43501637	0.04583586	0.045803802	2.624365	Laikang	119° 27' 17.731" E	5° 36' 27.000" S
240	1.12	20.54259533	0.054520862	0.054466936	3.120726	Laikang	119° 27' 17.543" E	5° 36' 24.457" S

241	1.12	25.2119638	0.044423354	0.044394167	2.543598	Laikang	119° 27' 17.324" E	5° 36' 23.324" S
242	1.12	21.02316536	0.053274566	0.05322425	3.049525	Laikang	119° 27' 17.110" E	5° 36' 21.000" S
243	1.12	17.10396272	0.065481901	0.065388549	3.746488	Laikang	119° 27' 16.366" E	5° 36' 19.634" S
244	1.12	17.71081493	0.063238197	0.0631541	3.618463	Laikang	119° 27' 15.000" E	5° 36' 19.132" S
245	1.12	24.59550679	0.045536773	0.045505337	2.607264	Laikang	119° 27' 13.418" E	5° 36' 19.418" S
246	1.12	10.66258069	0.105040237	0.104656455	5.996373	Laikang	119° 27' 10.963" E	5° 36' 19.037" S
247	1.12	18.22330899	0.061459749	0.06138254	3.51696	Laikang	119° 27' 9.000" E	5° 36' 19.235" S
248	1.12	16.86666449	0.066403171	0.066305829	3.799044	Laikang	119° 27' 6.288" E	5° 36' 17.712" S
249	1.12	12.82013178	0.087362596	0.087141352	4.992832	Laikang	119° 27' 4.854" E	5° 36' 15.000" S
250	1.12	6.413624395	0.174628249	0.17288494	9.905577	Laikang	119° 27' 4.347" E	5° 36' 13.653" S
251	1.12	8.26512741	0.135509103	0.134688685	7.717093	Laikang	119° 27' 3.000" E	5° 36' 12.774" S
252	1.12	16.43347499	0.068153571	0.068048341	3.898883	Laikang	119° 27' 0.846" E	5° 36' 12.846" S
253	1.12	12.56462251	0.089139168	0.088904194	5.093835	Laikang	119° 26' 59.258" E	5° 36' 12.742" S
254	1.12	10.84775156	0.103247202	0.10288266	5.894742	Laikang	119° 26' 57.000" E	5° 36' 12.804" S
255	1.12	13.67186197	0.081920078	0.08173756	4.683217	Laikang	119° 26' 55.097" E	5° 36' 13.097" S
256	1.12	7.962749177	0.140654939	0.139738233	8.006411	Laikang	119° 26' 52.954" E	5° 36' 13.046" S
257	1.12	9.493363108	0.117977158	0.117434325	6.728491	Laikang	119° 26' 51.000" E	5° 36' 13.266" S
258	1.12	9.135743218	0.12259539	0.121986682	6.989322	Laikang	119° 26' 49.359" E	5° 36' 13.359" S
259	1.12	6.902660371	0.162256281	0.160854446	9.216281	Laikang	119° 26' 46.670" E	5° 36' 13.330" S
260	1.12	12.30191999	0.091042699	0.090792399	5.202021	Laikang	119° 26' 45.000" E	5° 36' 13.413" S
261	1.12	13.21538275	0.084749721	0.084547685	4.844226	Punaga	119° 26' 42.017" E	5° 36' 12.017" S
262	1.12	13.92559299	0.080427455	0.080254708	4.598256	Punaga	119° 26' 41.983" E	5° 36' 12.017" S
263	1.12	13.23025895	0.084654428	0.084453071	4.838805	Punaga	119° 26' 41.976" E	5° 36' 11.976" S
264	1.12	9.029197648	0.124042029	0.123411651	7.070967	Punaga	119° 26' 40.248" E	5° 36' 9.000" S
265	1.12	3.093458611	0.362054303	0.347372999	19.90301	Punaga	119° 26' 39.926" E	5° 36' 8.074" S
266	1.12	3.661098901	0.305919078	0.296878256	17.00987	Punaga	119° 26' 39.000" E	5° 36' 7.340" S
267	1.12	11.62267523	0.096363357	0.096066734	5.504218	Punaga	119° 26' 37.303" E	5° 36' 7.303" S

268	1.12	11.69449919	0.095771523	0.095480313	5.470619	Punaga	119° 26' 34.729" E	5° 36' 7.271" S
269	1.12	15.12977322	0.074026225	0.07389145	4.233668	Punaga	119° 26' 33.000" E	5° 36' 7.232" S
270	1.12	16.88723346	0.06632229	0.066225303	3.79443	Punaga	119° 26' 30.071" E	5° 36' 5.929" S
271	1.12	13.58769433	0.082427524	0.082241602	4.712097	Punaga	119° 26' 28.156" E	5° 36' 3.000" S
272	1.12	6.96438746	0.160818163	0.159452901	9.135978	Punaga	119° 26' 27.851" E	5° 36' 2.149" S
273	1.12	9.858558933	0.113606868	0.113121862	6.481405	Punaga	119° 26' 27.000" E	5° 36' 1.603" S
274	1.12	16.15698465	0.069319865	0.069209151	3.965392	Punaga	119° 26' 25.417" E	5° 36' 1.417" S
275	1.12	22.17140173	0.050515525	0.050472622	2.891868	Punaga	119° 26' 22.582" E	5° 36' 1.418" S
276	1.12	19.25524373	0.058165974	0.058100509	3.328914	Punaga	119° 26' 21.000" E	5° 36' 1.174" S
277	1.12	20.74090962	0.05399956	0.053947165	3.090945	Punaga	119° 26' 19.176" E	5° 36' 1.176" S
278	1.12	18.86014146	0.059384496	0.059314837	3.39849	Punaga	119° 26' 16.899" E	5° 36' 1.101" S
279	1.12	23.17263849	0.048332865	0.048295281	2.767116	Punaga	119° 26' 15.000" E	5° 36' 1.103" S
280	1.12	23.0894696	0.048506961	0.04846897	2.777067	Punaga	119° 26' 12.229" E	5° 35' 59.771" S
281	1.12	25.58898088	0.04376884	0.043740922	2.50617	Punaga	119° 26' 10.466" E	5° 35' 57.000" S
282	1.12	20.80496778	0.053833297	0.053781383	3.081446	Punaga	119° 26' 10.403" E	5° 35' 55.597" S
283	1.12	25.20445507	0.044436589	0.044407375	2.544355	Punaga	119° 26' 9.967" E	5° 35' 51.967" S
284	1.12	25.53407518	0.043862955	0.043834858	2.511552	Punaga	119° 26' 9.917" E	5° 35' 51.000" S
285	1.12	24.71107164	0.045323813	0.045292816	2.595087	Punaga	119° 26' 9.926" E	5° 35' 50.074" S
286	1.12	30.23824458	0.037039187	0.037022263	2.121219	Punaga	119° 26' 9.606" E	5° 35' 45.606" S
287	1.12	30.41589609	0.036822851	0.036806221	2.108841	Punaga	119° 26' 9.612" E	5° 35' 45.000" S
288	1.12	29.4678769	0.038007489	0.037989203	2.176621	Punaga	119° 26' 9.670" E	5° 35' 44.330" S
289	1.12	38.71231802	0.02893136	0.028923292	1.657183	Punaga	119° 26' 9.449" E	5° 35' 39.449" S
290	1.12	37.67034076	0.029731613	0.029722857	1.702994	Punaga	119° 26' 9.500" E	5° 35' 39.000" S
291	1.12	38.75211355	0.028901649	0.028893606	1.655482	Punaga	119° 26' 9.472" E	5° 35' 38.528" S
292	1.12	29.59490731	0.037844349	0.037826298	2.167287	Punaga	119° 26' 9.245" E	5° 35' 33.245" S
293	1.12	24.15301294	0.046371026	0.046337832	2.654962	Punaga	119° 26' 9.230" E	5° 35' 33.000" S
294	1.12	22.32556531	0.050166703	0.050124681	2.871933	Punaga	119° 26' 9.129" E	5° 35' 32.871" S

295	1.12	22.85319407	0.049008467	0.048969286	2.805733	Punaga	119° 26' 9.000" E	5° 35' 32.833" S
296	1.12	24.59485345	0.045537982	0.045506544	2.607333	Punaga	119° 26' 8.836" E	5° 35' 32.836" S
297	1.12	20.3074812	0.055152088	0.055096271	3.156784	Punaga	119° 26' 3.863" E	5° 35' 32.137" S
298	1.12	24.82818369	0.045110026	0.045079464	2.582863	Punaga	119° 26' 3.000" E	5° 35' 32.151" S
299	1.12	17.26423666	0.064873995	0.064783214	3.711805	Punaga	119° 26' 1.019" E	5° 35' 31.019" S
300	1.12	39.73317166	0.028188034	0.028180572	1.614628	Punaga	119° 25' 59.352" E	5° 35' 30.648" S
301	1.12	18.17053776	0.061638242	0.061560359	3.527149	Punaga	119° 25' 59.066" E	5° 35' 29.066" S
302	1.12	15.74356054	0.071140197	0.071020548	4.069178	Punaga	119° 25' 57.948" E	5° 35' 27.000" S
303	1.12	11.20914192	0.099918442	0.099587902	5.705966	Punaga	119° 25' 57.625" E	5° 35' 26.375" S
304	1.12	14.64193231	0.076492636	0.076343968	4.374187	Punaga	119° 25' 57.000" E	5° 35' 26.099" S
305	1.12	17.77937408	0.062994344	0.062911215	3.604547	Punaga	119° 25' 55.742" E	5° 35' 25.742" S
306	1.12	31.07625039	0.036040384	0.036024792	2.064069	Punaga	119° 25' 52.556" E	5° 35' 25.444" S
307	1.12	28.32380885	0.039542704	0.039522114	2.26445	Punaga	119° 25' 51.000" E	5° 35' 24.681" S
308	1.12	34.28536782	0.032666997	0.032655384	1.871016	Punaga	119° 25' 48.606" E	5° 35' 23.394" S
309	1.12	35.16133328	0.031853172	0.031842406	1.824435	Punaga	119° 25' 47.115" E	5° 35' 21.000" S
310	1.12	33.27459132	0.033659316	0.033646614	1.927809	Punaga	119° 25' 46.758" E	5° 35' 19.242" S
311	1.12	32.80927747	0.034136686	0.034123435	1.955129	Punaga	119° 25' 46.189" E	5° 35' 16.189" S
312	1.12	30.26343286	0.037008359	0.036991477	2.119456	Punaga	119° 25' 45.954" E	5° 35' 15.000" S
313	1.12	27.40470433	0.040868896	0.040846164	2.340313	Punaga	119° 25' 45.708" E	5° 35' 14.292" S
314	1.12	33.02559832	0.033913087	0.033900095	1.942332	Punaga	119° 25' 45.000" E	5° 35' 13.854" S
315	1.12	39.85474267	0.028102051	0.028094657	1.609705	Punaga	119° 25' 42.093" E	5° 35' 11.907" S
316	1.12	25.11341379	0.04459768	0.044568148	2.553567	Punaga	119° 25' 40.545" E	5° 35' 9.000" S
317	1.12	18.60318804	0.060204735	0.060132153	3.445319	Punaga	119° 25' 39.814" E	5° 35' 8.186" S
318	1.12	24.45626997	0.045796027	0.045764052	2.622087	Punaga	119° 25' 39.000" E	5° 35' 8.047" S
319	1.12	20.70450729	0.054094501	0.05404183	3.096369	Punaga	119° 25' 36.576" E	5° 35' 6.576" S
320	1.12	33.18895583	0.033746166	0.033733364	1.932779	Punaga	119° 25' 35.669" E	5° 35' 6.331" S
321	1.12	20.82021025	0.053793885	0.053742086	3.079195	Punaga	119° 25' 35.573" E	5° 35' 5.573" S

322	1.12	24.58208952	0.045561627	0.04553014	2.608685	Punaga	119° 25' 34.276" E	5° 35' 3.000" S
323	1.12	20.98846441	0.053362646	0.053312081	3.054557	Punaga	119° 25' 34.238" E	5° 35' 1.762" S
324	1.12	22.41032908	0.049976955	0.049935408	2.861088	Punaga	119° 25' 33.975" E	5° 34' 57.975" S
325	1.12	17.57198705	0.063737812	0.06365171	3.646974	Punaga	119° 25' 33.943" E	5° 34' 57.000" S
326	1.12	15.51146838	0.072204641	0.072079552	4.129854	Punaga	119° 25' 33.658" E	5° 34' 56.342" S
327	1.12	20.60079292	0.054366839	0.054313369	3.111927	Punaga	119° 25' 33.000" E	5° 34' 55.965" S
328	1.12	24.8755827	0.045024071	0.044993684	2.577948	Punaga	119° 25' 30.421" E	5° 34' 54.421" S
329	1.12	34.67538741	0.032299567	0.032288342	1.849986	Punaga	119° 25' 29.751" E	5° 34' 54.249" S
330	1.12	25.29653708	0.044274835	0.044245939	2.535106	Punaga	119° 25' 29.674" E	5° 34' 53.674" S
331	1.12	22.75161551	0.049227274	0.049187567	2.81824	Punaga	119° 25' 28.310" E	5° 34' 51.000" S
332	1.12	17.46807252	0.064116977	0.064029332	3.66861	Punaga	119° 25' 27.980" E	5° 34' 50.020" S
333	1.12	23.3762402	0.047911896	0.047875285	2.743052	Punaga	119° 25' 27.000" E	5° 34' 49.353" S
334	1.12	32.37455137	0.034595074	0.034581283	1.981362	Punaga	119° 25' 24.304" E	5° 34' 47.696" S
335	1.12	24.83693279	0.045094135	0.045063606	2.581954	Punaga	119° 25' 22.949" E	5° 34' 45.000" S
336	1.12	19.02413346	0.05887259	0.058804714	3.369262	Punaga	119° 25' 22.318" E	5° 34' 43.682" S
337	1.12	24.54833393	0.045624278	0.04559266	2.612267	Punaga	119° 25' 21.000" E	5° 34' 43.022" S
338	1.12	30.80430744	0.036358552	0.036342543	2.082274	Punaga	119° 25' 18.416" E	5° 34' 41.584" S
339	1.12	31.29523808	0.035788192	0.035772925	2.049638	Punaga	119° 25' 16.977" E	5° 34' 39.000" S
340	1.12	27.08513984	0.041351088	0.041327543	2.367894	Punaga	119° 25' 16.894" E	5° 34' 37.106" S
341	1.12	32.08887748	0.03490306	0.034888897	1.998987	Punaga	119° 25' 16.610" E	5° 34' 34.610" S
342	1.12	32.15759713	0.034828473	0.034814401	1.994718	Punaga	119° 25' 16.529" E	5° 34' 33.000" S
343	1.12	31.92295004	0.035084477	0.035070092	2.009368	Punaga	119° 25' 16.465" E	5° 34' 31.535" S
344	1.12	34.68667866	0.032289053	0.032277839	1.849384	Punaga	119° 25' 16.189" E	5° 34' 28.189" S
345	1.12	34.87761603	0.032112287	0.032101255	1.839266	Punaga	119° 25' 16.133" E	5° 34' 27.000" S
346	1.12	34.81770966	0.032167538	0.03215645	1.842429	Punaga	119° 25' 16.094" E	5° 34' 25.906" S
347	1.12	33.47301856	0.033459785	0.033447307	1.91639	Punaga	119° 25' 16.025" E	5° 34' 22.025" S
348	1.12	33.76297248	0.033172435	0.033160275	1.899944	Punaga	119° 25' 15.990" E	5° 34' 21.000" S

349	1.12	33.77532	0.033160308	0.033148161	1.89925	Punaga	119° 25' 15.965" E	5° 34' 20.035" S
350	1.12	31.08227815	0.036033395	0.036017812	2.063669	Punaga	119° 25' 16.003" E	5° 34' 16.003" S
351	1.12	31.60500566	0.035437424	0.035422601	2.029566	Punaga	119° 25' 15.979" E	5° 34' 15.000" S
352	1.12	31.70392195	0.03532686	0.035312175	2.023239	Punaga	119° 25' 15.979" E	5° 34' 14.021" S
353	1.12	30.63713158	0.036556947	0.036540675	2.093626	Punaga	119° 25' 16.000" E	5° 34' 10.000" S
354	1.12	25.4719539	0.043969929	0.043941625	2.51767	Punaga	119° 25' 15.999" E	5° 34' 9.000" S
355	1.12	23.78215546	0.047094133	0.047059364	2.696303	Punaga	119° 25' 15.692" E	5° 34' 8.308" S
356	1.12	28.74327355	0.038965638	0.038945935	2.231438	Punaga	119° 25' 15.000" E	5° 34' 7.883" S
357	1.12	35.11200056	0.031897926	0.031887114	1.826997	Punaga	119° 25' 12.140" E	5° 34' 5.860" S
358	1.12	23.96927119	0.046726494	0.046692531	2.675285	Punaga	119° 25' 10.920" E	5° 34' 3.000" S
359	1.12	18.74185415	0.059759295	0.059688311	3.419888	Punaga	119° 25' 10.208" E	5° 34' 1.792" S
360	1.12	21.63233661	0.051774342	0.051728155	2.963805	Punaga	119° 25' 9.000" E	5° 34' 1.338" S
361	1.12	25.12485924	0.044577364	0.044547872	2.552405	Punaga	119° 25' 7.203" E	5° 34' 1.203" S
362	1.12	24.92077509	0.044942422	0.0449122	2.57328	Punaga	119° 25' 4.947" E	5° 34' 1.053" S
363	1.12	27.92333269	0.040109825	0.040088337	2.296892	Punaga	119° 25' 3.000" E	5° 34' 0.904" S
364	1.12	28.64036377	0.039105649	0.039085733	2.239448	Punaga	119° 25' 0.391" E	5° 33' 59.609" S
365	1.12	29.29758722	0.038228404	0.038209798	2.18926	Punaga	119° 24' 58.834" E	5° 33' 57.000" S
366	1.12	26.00667858	0.043065861	0.043039266	2.465968	Punaga	119° 24' 58.638" E	5° 33' 55.362" S
367	1.12	28.06906381	0.03990158	0.039880424	2.28498	Punaga	119° 24' 58.193" E	5° 33' 52.193" S
368	1.12	28.32766643	0.03953732	0.039516737	2.264142	Punaga	119° 24' 58.045" E	5° 33' 51.000" S
369	1.12	27.96275716	0.040053275	0.040031877	2.293658	Punaga	119° 24' 57.967" E	5° 33' 50.033" S
370	1.12	29.71966171	0.03768549	0.037667664	2.158198	Punaga	119° 24' 57.502" E	5° 33' 45.502" S
371	1.12	30.03370948	0.037291431	0.037274159	2.135652	Punaga	119° 24' 57.460" E	5° 33' 45.000" S
372	1.12	29.49214656	0.037976212	0.037957971	2.174832	Punaga	119° 24' 57.449" E	5° 33' 44.551" S
373	1.12	33.09201555	0.033845022	0.033832108	1.938437	Punaga	119° 24' 57.020" E	5° 33' 39.020" S
374	1.12	33.09129566	0.033845758	0.033832843	1.938479	Punaga	119° 24' 57.019" E	5° 33' 39.000" S
375	1.12	33.06960838	0.033867955	0.033855014	1.939749	Punaga	119° 24' 57.019" E	5° 33' 38.981" S

376	1.12	33.30367551	0.033629922	0.033617252	1.926127	Punaga	119° 24' 57.000" E	5° 33' 38.575" S
377	1.12	57.57169778	0.019454003	0.01945155	1.114492	Punaga	119° 24' 56.049" E	5° 33' 33.951" S
378	1.12	60.22140372	0.018598039	0.018595895	1.065466	Punaga	119° 24' 55.927" E	5° 33' 33.000" S
379	1.12	57.28863686	0.019550125	0.019547635	1.119997	Punaga	119° 24' 55.984" E	5° 33' 31.984" S
380	1.12	53.65987807	0.020872205	0.020869175	1.195716	Punaga	119° 24' 56.071" E	5° 33' 27.929" S
381	1.12	51.46644623	0.021761751	0.021758317	1.24666	Punaga	119° 24' 56.119" E	5° 33' 27.000" S
382	1.12	46.76993147	0.02394701	0.023942434	1.3718	Punaga	119° 24' 56.262" E	5° 33' 26.262" S
383	1.12	27.24844064	0.04110327	0.041080145	2.353719	Punaga	119° 24' 57.000" E	5° 33' 22.862" S
384	1.12	26.33459683	0.042529605	0.042503991	2.435299	Punaga	119° 24' 57.080" E	5° 33' 21.080" S
385	1.12	26.48639836	0.042285855	0.042260678	2.421359	Punaga	119° 24' 57.077" E	5° 33' 21.000" S
386	1.12	26.40074201	0.04242305	0.042397628	2.429205	Punaga	119° 24' 57.082" E	5° 33' 20.918" S
387	1.12	26.34352929	0.042515184	0.042489596	2.434475	Punaga	119° 24' 57.348" E	5° 33' 15.348" S
388	1.12	26.50013799	0.042263931	0.042238793	2.420105	Punaga	119° 24' 57.369" E	5° 33' 15.000" S
389	1.12	26.21821776	0.042718388	0.042692431	2.446096	Punaga	119° 24' 57.410" E	5° 33' 14.590" S
390	1.12	28.18380174	0.039739138	0.03971824	2.275687	Punaga	119° 24' 57.734" E	5° 33' 9.734" S
391	1.12	28.02757023	0.039960653	0.039939403	2.288359	Punaga	119° 24' 57.812" E	5° 33' 9.000" S
392	1.12	27.8374503	0.04023357	0.040211882	2.303971	Punaga	119° 24' 57.908" E	5° 33' 8.092" S
393	1.12	30.38690785	0.036857979	0.036841302	2.110851	Punaga	119° 24' 58.182" E	5° 33' 4.182" S
394	1.12	28.89575964	0.038760012	0.03874062	2.219674	Punaga	119° 24' 58.318" E	5° 33' 3.000" S
395	1.12	30.50164831	0.036719327	0.036702837	2.102918	Punaga	119° 24' 58.327" E	5° 33' 1.673" S
396	1.12	27.26830695	0.041073324	0.04105025	2.352006	Punaga	119° 24' 58.504" E	5° 32' 58.504" S
397	1.12	26.6744453	0.041987752	0.041963104	2.404309	Punaga	119° 24' 58.513" E	5° 32' 57.000" S
398	1.12	27.42271153	0.040842059	0.040819372	2.338778	Punaga	119° 24' 58.430" E	5° 32' 55.570" S
399	1.12	25.75940118	0.043479272	0.043451904	2.489611	Punaga	119° 24' 58.351" E	5° 32' 52.351" S
400	1.12	26.93738281	0.041577907	0.041553973	2.380867	Punaga	119° 24' 58.277" E	5° 32' 51.000" S
401	1.12	25.64900175	0.043666417	0.043638695	2.500313	Punaga	119° 24' 58.326" E	5° 32' 49.674" S
402	1.12	28.93531123	0.038707031	0.038687718	2.216643	Punaga	119° 24' 58.276" E	5° 32' 46.276" S

403	1.12	29.13501393	0.038441718	0.038422799	2.201464	Punaga	119° 24' 58.329" E	5° 32' 45.000" S
404	1.12	28.2582741	0.039634409	0.039613675	2.269696	Punaga	119° 24' 58.424" E	5° 32' 43.576" S
405	1.12	31.03691758	0.036086058	0.036070406	2.066682	Punaga	119° 24' 58.500" E	5° 32' 40.500" S
406	1.12	33.61345711	0.033319988	0.033307666	1.908389	Punaga	119° 24' 58.610" E	5° 32' 39.000" S
407	1.12	34.29282253	0.032659895	0.03264829	1.870609	Punaga	119° 25' 0.040" E	5° 32' 36.040" S
408	1.12	38.20888057	0.029312557	0.029304166	1.679005	Punaga	119° 25' 3.000" E	5° 32' 34.117" S
409	1.12	34.68293386	0.032292539	0.032281321	1.849583	Punaga	119° 25' 4.063" E	5° 32' 34.063" S
410	1.12	41.22147617	0.027170303	0.02716362	1.556361	Punaga	119° 25' 8.529" E	5° 32' 33.471" S
411	1.12	41.54399825	0.02695937	0.026952841	1.544284	Punaga	119° 25' 9.000" E	5° 32' 33.443" S
412	1.12	41.18499681	0.027194369	0.027187668	1.557739	Punaga	119° 25' 9.451" E	5° 32' 33.451" S
413	1.12	44.87011809	0.024960933	0.024955751	1.429859	Punaga	119° 25' 14.687" E	5° 32' 33.313" S
414	1.12	44.78835557	0.0250065	0.025001289	1.432468	Punaga	119° 25' 15.000" E	5° 32' 33.319" S
415	1.12	45.00095561	0.02488836	0.024883223	1.425704	Punaga	119° 25' 15.316" E	5° 32' 33.316" S
416	1.12	37.98748517	0.029483394	0.029474856	1.688785	Punaga	119° 25' 20.607" E	5° 32' 33.393" S
417	1.12	31.70003412	0.035331192	0.035316502	2.023487	Punaga	119° 25' 21.000" E	5° 32' 33.389" S
418	1.12	30.12997364	0.037172286	0.037155179	2.128835	Punaga	119° 25' 21.236" E	5° 32' 33.236" S
419	1.12	32.13414484	0.034853892	0.034839788	1.996173	Punaga	119° 25' 21.330" E	5° 32' 33.000" S
420	1.12	31.90298777	0.03510643	0.035092018	2.010625	Punaga	119° 25' 21.892" E	5° 32' 32.108" S
421	1.12	68.02965598	0.016463408	0.016461921	0.943199	Punaga	119° 25' 22.829" E	5° 32' 28.829" S
422	1.12	30.02865035	0.037297714	0.037280433	2.136011	Punaga	119° 25' 25.307" E	5° 32' 28.693" S
423	1.12	26.63109545	0.0420561	0.042031331	2.408218	Punaga	119° 25' 27.000" E	5° 32' 27.907" S
424	1.12	22.94249924	0.048817698	0.048778973	2.794829	Punaga	119° 25' 27.595" E	5° 32' 27.595" S
425	1.12	27.0251646	0.041442856	0.041419154	2.373143	Punaga	119° 25' 27.881" E	5° 32' 27.000" S
426	1.12	28.24473771	0.039653404	0.03963264	2.270783	Punaga	119° 25' 28.998" E	5° 32' 25.002" S
427	1.12	51.31234606	0.021827106	0.02182364	1.250402	Punaga	119° 25' 29.321" E	5° 32' 23.321" S
428	1.12	27.41296558	0.040856579	0.040833869	2.339608	Punaga	119° 25' 30.944" E	5° 32' 23.056" S
429	1.12	34.60728031	0.032363133	0.032351841	1.853624	Punaga	119° 25' 33.000" E	5° 32' 21.949" S

430	1.12	31.49749259	0.035558386	0.035543411	2.036487	Cikoang	119° 25' 33.920" E	5° 32' 21.920" S
431	1.12	34.47293494	0.032489256	0.032477832	1.860843	Cikoang	119° 25' 38.617" E	5° 32' 21.383" S
432	1.12	31.43510733	0.035628954	0.03561389	2.040526	Cikoang	119° 25' 39.000" E	5° 32' 21.369" S
433	1.12	30.87039988	0.036280709	0.036264803	2.07782	Cikoang	119° 25' 39.270" E	5° 32' 21.270" S
434	1.12	34.31631771	0.032637534	0.032625953	1.869329	Cikoang	119° 25' 39.484" E	5° 32' 21.000" S
435	1.12	41.85231387	0.026760767	0.026754381	1.532913	Cikoang	119° 25' 39.994" E	5° 32' 20.006" S
436	1.12	85.21361947	0.013143439	0.013142682	0.75302	Cikoang	119° 25' 40.577" E	5° 32' 16.577" S
437	1.12	39.40109976	0.028425603	0.02841795	1.628229	Cikoang	119° 25' 44.885" E	5° 32' 15.115" S
438	1.12	37.91761969	0.029537719	0.029529133	1.691895	Cikoang	119° 25' 45.000" E	5° 32' 15.042" S
439	1.12	37.57020364	0.029810858	0.029802032	1.707531	Cikoang	119° 25' 45.026" E	5° 32' 15.026" S
440	1.12	37.75864773	0.029662079	0.029653385	1.699014	Cikoang	119° 25' 45.037" E	5° 32' 15.000" S
441	1.12	38.18654412	0.029329703	0.029321297	1.679987	Cikoang	119° 25' 45.069" E	5° 32' 14.931" S
442	1.12	114.8256028	0.009753922	0.009753613	0.558841	Cikoang	119° 25' 45.393" E	5° 32' 9.393" S
443	1.12	95.42452077	0.011737025	0.011736486	0.672451	Cikoang	119° 25' 46.789" E	5° 32' 9.000" S
444	1.12	141.870559	0.00789452	0.007894356	0.452313	Cikoang	119° 25' 46.890" E	5° 32' 7.110" S
445	1.12	193.9563134	0.005774496	0.005774432	0.330851	Cikoang	119° 25' 47.051" E	5° 32' 5.051" S
446	1.12	248.9432125	0.004499018	0.004498988	0.257773	Cikoang	119° 25' 47.154" E	5° 32' 3.000" S
447	1.12	311.1514704	0.003599533	0.003599518	0.206237	Cikoang	119° 25' 47.199" E	5° 32' 0.801" S
448	1.12	311.9130054	0.003590745	0.003590729	0.205734	Lakatong	119° 25' 47.194" E	5° 31' 59.194" S
449	1.12	311.1931706	0.003599051	0.003599035	0.20621	Lakatong	119° 25' 47.241" E	5° 31' 57.000" S
450	1.12	278.9635036	0.004014862	0.004014841	0.230033	Lakatong	119° 25' 48.358" E	5° 31' 54.358" S
451	1.12	271.035609	0.004132298	0.004132275	0.236762	Lakatong	119° 25' 48.641" E	5° 31' 53.359" S
452	1.12	248.8898457	0.004499983	0.004499952	0.257828	Lakatong	119° 25' 49.461" E	5° 31' 51.000" S
453	1.12	239.0050214	0.004686094	0.00468606	0.268491	Lakatong	119° 25' 49.854" E	5° 31' 49.854" S
454	1.12	208.6702826	0.005367319	0.005367268	0.307522	Lakatong	119° 25' 51.000" E	5° 31' 45.569" S
455	1.12	204.2532726	0.005483388	0.005483333	0.314172	Lakatong	119° 25' 51.157" E	5° 31' 45.157" S
456	1.12	203.1396547	0.005513448	0.005513393	0.315894	Lakatong	119° 25' 51.198" E	5° 31' 45.000" S

457	1.12	202.1098453	0.005541541	0.005541484	0.317504	Lakatong	119° 25' 51.239" E	5° 31' 44.761" S
458	1.12	169.6582647	0.006601506	0.00660141	0.378233	Lakatong	119° 25' 52.308" E	5° 31' 40.308" S
459	1.12	162.0902177	0.006909732	0.006909622	0.395892	Lakatong	119° 25' 52.499" E	5° 31' 39.000" S
460	1.12	157.1923742	0.007125028	0.007124907	0.408227	Lakatong	119° 25' 52.605" E	5° 31' 37.395" S
461	1.12	132.1372984	0.008476032	0.008475829	0.485629	Lakatong	119° 25' 52.924" E	5° 31' 34.924" S
462	1.12	78.28997921	0.01430579	0.014304814	0.819605	Lakatong	119° 25' 53.035" E	5° 31' 33.000" S
463	1.12	96.44314209	0.01161306	0.011612538	0.665349	Lakatong	119° 25' 51.475" E	5° 31' 32.525" S
464	1.12	32.87634171	0.034067051	0.034053881	1.951144	Lakatong	119° 25' 51.550" E	5° 31' 27.550" S
465	1.12	36.96998996	0.030294842	0.030285579	1.735236	Lakatong	119° 25' 51.316" E	5° 31' 27.000" S
466	1.12	35.37699222	0.031658994	0.031648424	1.813321	Lakatong	119° 25' 51.330" E	5° 31' 26.670" S
467	1.12	35.42058391	0.031620032	0.0316095	1.811091	Lakatong	119° 25' 51.353" E	5° 31' 21.353" S
468	1.12	35.17133747	0.031844112	0.031833354	1.823917	Lakatong	119° 25' 51.369" E	5° 31' 21.000" S
469	1.12	35.45140052	0.031592546	0.031582042	1.809518	Lakatong	119° 25' 51.369" E	5° 31' 20.631" S
470	1.12	36.07926283	0.031042763	0.031032797	1.778048	Lakatong	119° 25' 51.366" E	5° 31' 15.366" S
471	1.12	36.12083819	0.031007032	0.030997101	1.776003	Lakatong	119° 25' 51.366" E	5° 31' 15.000" S
472	1.12	36.18785733	0.030949608	0.030939732	1.772716	Lakatong	119° 25' 51.367" E	5° 31' 14.633" S
473	1.12	31.11672822	0.035993501	0.035977797	2.061386	Topejawa	119° 25' 51.375" E	5° 31' 9.375" S
474	1.12	24.97769076	0.044840014	0.044809998	2.567424	Topejawa	119° 25' 51.377" E	5° 31' 9.000" S
475	1.12	23.05192305	0.048585968	0.048547792	2.781584	Topejawa	119° 25' 51.230" E	5° 31' 8.770" S
476	1.12	25.81895534	0.043378982	0.043351803	2.483875	Topejawa	119° 25' 51.000" E	5° 31' 8.711" S
477	1.12	24.41624952	0.045871091	0.045838958	2.626379	Topejawa	119° 25' 50.132" E	5° 31' 8.132" S
478	1.12	58.18438868	0.01924915	0.019246773	1.102759	Topejawa	119° 25' 46.906" E	5° 31' 7.094" S
479	1.12	21.37582903	0.052395629	0.05234776	2.999306	Topejawa	119° 25' 46.967" E	5° 31' 4.967" S
480	1.12	26.6438772	0.042035924	0.042011191	2.407064	Topejawa	119° 25' 46.147" E	5° 31' 3.000" S
481	1.12	23.73956023	0.047178633	0.047143676	2.701134	Topejawa	119° 25' 46.147" E	5° 31' 1.853" S
482	1.12	22.3178075	0.050184141	0.050142076	2.872929	Topejawa	119° 25' 46.223" E	5° 30' 58.223" S
483	1.12	17.30614603	0.064716893	0.064626769	3.702841	Topejawa	119° 25' 46.223" E	5° 30' 57.000" S

484	1.12	15.24073205	0.073487284	0.073355424	4.202956	Topejawa	119° 25' 45.842" E	5° 30' 56.158" S
485	1.12	19.96701869	0.0560925	0.056033782	3.210499	Topejawa	119° 25' 45.000" E	5° 30' 55.681" S
486	1.12	27.24043413	0.041115351	0.041092206	2.35441	Topejawa	119° 25' 42.068" E	5° 30' 54.068" S
487	1.12	29.3253283	0.038192241	0.038173687	2.187191	Topejawa	119° 25' 41.949" E	5° 30' 54.051" S
488	1.12	27.2184352	0.041148582	0.041125381	2.356311	Topejawa	119° 25' 41.939" E	5° 30' 53.939" S
489	1.12	27.46248311	0.040782911	0.040760323	2.335394	Topejawa	119° 25' 40.428" E	5° 30' 51.000" S
490	1.12	23.08904943	0.048507844	0.048469851	2.777118	Topejawa	119° 25' 40.438" E	5° 30' 49.562" S
491	1.12	28.05154666	0.039926497	0.039905302	2.286405	Topejawa	119° 25' 40.177" E	5° 30' 46.177" S
492	1.12	27.32339793	0.040990509	0.040967575	2.347269	Topejawa	119° 25' 40.187" E	5° 30' 45.000" S
493	1.12	27.93606737	0.040091541	0.040070082	2.295847	Topejawa	119° 25' 40.154" E	5° 30' 43.846" S
494	1.12	30.70510226	0.036476022	0.036459858	2.088996	Topejawa	119° 25' 39.796" E	5° 30' 39.796" S
495	1.12	25.48927942	0.043940042	0.043911796	2.515961	Topejawa	119° 25' 39.771" E	5° 30' 39.000" S
496	1.12	24.07020827	0.046530549	0.046497011	2.664083	Topejawa	119° 25' 39.528" E	5° 30' 38.472" S
497	1.12	28.03843639	0.039945166	0.039923941	2.287473	Topejawa	119° 25' 39.000" E	5° 30' 38.146" S
498	1.12	31.06873646	0.0360491	0.036033497	2.064567	Topejawa	119° 25' 36.693" E	5° 30' 36.693" S
499	1.12	45.10289777	0.024832107	0.024827005	1.422483	Topejawa	119° 25' 35.630" E	5° 30' 36.370" S
500	1.12	31.31392628	0.035766834	0.035751594	2.048415	Topejawa	119° 25' 35.549" E	5° 30' 35.549" S
501	1.12	35.24240671	0.031779895	0.031769203	1.820241	Topejawa	119° 25' 34.317" E	5° 30' 33.000" S
502	1.12	31.76445371	0.035259539	0.035244938	2.019386	Topejawa	119° 25' 34.293" E	5° 30' 31.707" S
503	1.12	33.5368615	0.033396089	0.033383681	1.912744	Topejawa	119° 25' 34.116" E	5° 30' 28.116" S
504	1.12	26.36863259	0.042474709	0.042449194	2.43216	Topejawa	119° 25' 34.094" E	5° 30' 27.000" S
505	1.12	23.24303515	0.048186478	0.048149234	2.758748	Topejawa	119° 25' 33.694" E	5° 30' 26.306" S
506	1.12	27.73838641	0.040377259	0.040355337	2.312191	Topejawa	119° 25' 33.000" E	5° 30' 26.028" S
507	1.12	27.9134883	0.040123971	0.04010246	2.297702	Topejawa	119° 25' 30.698" E	5° 30' 24.698" S
508	1.12	44.14430736	0.025371335	0.025365893	1.453359	Topejawa	119° 25' 29.562" E	5° 30' 24.438" S
509	1.12	28.06935459	0.039901167	0.039880011	2.284956	Topejawa	119° 25' 29.388" E	5° 30' 23.388" S
510	1.12	23.40490032	0.047853227	0.04781675	2.739698	Topejawa	119° 25' 28.117" E	5° 30' 21.000" S

511	1.12	19.01491599	0.058901128	0.058833153	3.370891	Topejawa	119° 25' 27.708" E	5° 30' 20.292" S
512	1.12	23.3451213	0.047975763	0.047939005	2.746703	Topejawa	119° 25' 27.000" E	5° 30' 19.978" S
513	1.12	24.98636697	0.044824444	0.044794459	2.566533	Topejawa	119° 25' 24.811" E	5° 30' 18.811" S
514	1.12	45.98344409	0.024356592	0.024351778	1.395254	Topejawa	119° 25' 23.407" E	5° 30' 18.593" S
515	1.12	24.84575459	0.045078124	0.045047627	2.581039	Topejawa	119° 25' 23.117" E	5° 30' 17.117" S
516	1.12	21.70980567	0.051589591	0.051543896	2.953248	Topejawa	119° 25' 21.925" E	5° 30' 15.000" S
517	1.12	17.49878414	0.064004447	0.063917262	3.662189	Topejawa	119° 25' 21.596" E	5° 30' 14.404" S
518	1.12	21.42456501	0.052276441	0.052228898	2.992495	Topejawa	119° 25' 21.000" E	5° 30' 14.135" S
519	1.12	22.66539505	0.049414537	0.049374376	2.828943	Topejawa	119° 25' 19.189" E	5° 30' 13.189" S
520	1.12	52.29508443	0.021416927	0.021413653	1.226912	Topejawa	119° 25' 17.095" E	5° 30' 12.905" S
521	1.12	22.32330803	0.050171776	0.050129741	2.872223	Topejawa	119° 25' 16.642" E	5° 30' 10.642" S
522	1.12	29.71369851	0.037693053	0.037675217	2.158631	Topejawa	119° 25' 15.707" E	5° 30' 9.000" S
523	1.12	27.06950853	0.041374966	0.041351381	2.36926	Topejawa	119° 25' 15.665" E	5° 30' 8.335" S
524	1.12	19.8152827	0.05652203	0.056461954	3.235032	Topejawa	119° 25' 15.102" E	5° 30' 3.102" S
525	1.12	18.11070983	0.061841861	0.061763205	3.538771	Topejawa	119° 25' 15.095" E	5° 30' 3.000" S
526	1.12	17.7030101	0.063266077	0.06318187	3.620054	Topejawa	119° 25' 15.060" E	5° 30' 2.940" S
527	1.12	18.53775178	0.060417251	0.060343899	3.457451	Topejawa	119° 25' 15.000" E	5° 30' 2.919" S
528	1.12	19.73161186	0.056761708	0.056700866	3.24872	Topejawa	119° 25' 14.838" E	5° 30' 2.838" S
529	1.12	72.38243526	0.015473367	0.015472132	0.886488	Topejawa	119° 25' 9.592" E	5° 30' 2.408" S
530	1.12	45.35224018	0.024695583	0.024690564	1.414665	Topejawa	119° 25' 9.000" E	5° 29' 59.115" S
531	1.12	65.49210839	0.017101297	0.01709963	0.979737	Topejawa	119° 25' 7.396" E	5° 29' 58.604" S
532	1.12	36.52822067	0.030661225	0.030651622	1.756209	Topejawa	119° 25' 3.548" E	5° 29' 57.548" S
533	1.12	33.0424689	0.033895772	0.0338828	1.941341	Topejawa	119° 25' 3.000" E	5° 29' 57.385" S
534	1.12	32.18276422	0.034801237	0.034787197	1.99316	Topejawa	119° 25' 2.695" E	5° 29' 57.305" S
535	1.12	31.13670565	0.035970408	0.035954906	2.060064	Topejawa	119° 25' 1.248" E	5° 29' 57.000" S
536	1.12	61.39122795	0.018243649	0.018241625	1.045168	Topejawa	119° 24' 57.124" E	5° 29' 56.876" S
537	1.12	43.32435441	0.02585151	0.025845754	1.480853	Topejawa	119° 24' 57.000" E	5° 29' 55.657" S

538	1.12	109.6734866	0.010212131	0.010211776	0.585092	Topejawa	119° 24' 54.515" E	5° 29' 54.515" S
539	1.12	115.2765017	0.00971577	0.009715465	0.556655	Topejawa	119° 24' 53.827" E	5° 29' 54.173" S
540	1.12	85.92605452	0.013034463	0.013033725	0.746777	Topejawa	119° 24' 51.000" E	5° 29' 53.044" S
541	1.12	76.74675459	0.014593451	0.014592415	0.836084	Topejawa	119° 24' 49.594" E	5° 29' 52.406" S
542	1.12	62.74513756	0.017849989	0.017848093	1.02262	Topejawa	119° 24' 45.960" E	5° 29' 51.000" S
543	1.12	78.53548716	0.014261069	0.014260102	0.817044	Topejawa	119° 24' 45.057" E	5° 29' 50.943" S
544	1.12	70.95118249	0.015785502	0.015784191	0.904368	Topejawa	119° 24' 45.000" E	5° 29' 50.505" S
545	1.12	93.03805768	0.012038084	0.012037503	0.689698	Topejawa	119° 24' 43.744" E	5° 29' 49.744" S
546	1.12	147.1784948	0.007609807	0.007609661	0.436001	Topejawa	119° 24' 41.586" E	5° 29' 48.414" S
547	1.12	145.8608398	0.007678552	0.007678401	0.43994	Topejawa	119° 24' 39.000" E	5° 29' 46.925" S
548	1.12	145.6650395	0.007688873	0.007688722	0.440531	Topejawa	119° 24' 37.924" E	5° 29' 46.076" S
549	1.12	161.6138579	0.006930099	0.006929988	0.397059	Topejawa	119° 24' 36.473" E	5° 29' 45.000" S