

KG
11366
v. 703

D. Mc. Pherson for 1855.0 and 1875.0
From 0" to 23"
Zone Observations
Final Reductions
Supplemental List 1883-85



1883phae

1707

1883phae

Home

1883phae.proj.1707.

11.0	57.64	0	33.2	52	59.1	8.0	4978	82	85	2	5.22	+0.15	3087	0	1	3505	9	28.61	+2075	-32050	+53	6	8.1	26					
1	1.5	+	6.7																					18.2					
1	34.7	53	5.8																					10.1					
		52	6																										
4880	5885	3	51.0	51	16.1	8.9	4582	92	84	5	11.29	+137	-2799	4	53.31	25	4966	2005	-3	0.45	51	22	49.2						
1	1.9	6.7																											
4	52.9	51	22.8																										
		51	18																										
1154	3828	12	7.2	54	54.6	7.5	4966	8688	85	12	26.78	12	30.58	+111	-3183	12	5495	5875	15	17.94	-	2092	-32020	55	11	57.7	-	22	
1214		1	3.4	6.7																					10.1				
	13	10.6	55	1.3																									
			54	37																									
3624	47828	56.9	51	34.9	9.5	4978	9697	85	30	3060	30	3765	+224	-3296	29	5764	30	6694	13	41.18	-	11988	-3	18.80	51	40	22.4	-	3
4529		1	5.6	6.6																									
	30	2.5	51	44.5																									
			51	109																									
3270	2565	33	0.1	52	58.6	9.0	45.5	9.0	83	34	34.17	+266	-2670	34	7.47	8	2.41	1983	-23864	53	5	23.8							
2666	2623	1	6.5	6.6																									
2630	2758	34	6.6	53	5.2																								
18.5	26.70			52	141	49.75	9.95	85	34	34.24	-3339	-3338	34	7.54	8	2.75	6.584	-3	18.30		5	24.12							
26.09	26.59					49.82	9.96	85	34	41.18	34	43.43	+267	-3339	7.79	10.05	8	41.22	-		5	22.9							
528	4801	39	48.7	50	39.2	7.5	4570	6888	41	2.495	+292	-2691	40	5504	48	20.70	1973	-23784	50	45	42.9								
580	4893	1	7.0	6.6																									
	40	55.7	50	45.8																									
			50	143																									
692	4358	43	59.0	50	36.1	9.5	45.5	9.5	83	46	8.32	+325	-2718	45	4.14	43	19.62	1965	-23720	50	40	42.4							
12.82	40.87	1	7.6	6.6																									
8.58	45.69	45	6.6	50	42.7																								
				50	168																								
1952	2687	44	51.7	51	5.3	8.5	4976	8685	46	14.55	+331	-3403	45	40.52	11	59.54	1965	-31650	51	8	43.0								
1489	2849	1	7.8	6.6																									
20.30	23.21	45	59.3	51	11.9																								
			51	175																									
4679	5921	48	57.7	50	36.1	9.5	4979	-85	50	3787	+336	-3428	50	3.57	40	36.81	1957	-31570	50	37	21.1								
1	8.2	6.6																											
50	5.9	50	42.7																										
		50	184																										
4854	1402	51	12.5	53	59.5	8.8	4527	8889	52	5074	+421	-2794	52	2280	8	52.22	1953	-23624	54	6	16.0								
4284	1206	1	9.5	6.5																									
	52	22.0	54	6.0																									
			53	196																									
8.28	12.27	52	3.65	54	36.6	8.9	4528	-83	54	15.42	+442	-2861	53	473	14.5	56.00	1950	-23600	54	43	20.0								
9.66	16.58	1	10.0	6.5																									
	53	46.5	54	43.1																									
			54	204																									
			53	3.5	55	7.7	9.0											1949											
	1	10.2	6.5																										
	54	13.7	55	14.2																									
			55	225																									
4523	5088	54	15.5	50	14.4	9.1	4528	8083	55	52.54	+388	-2768	55	2486	23	30.95	1947	-23576	50	20	55.2								
4470	5438	1	8.9	6.5																									
	53	24.4	50	20.9																									
			50	204																									
1	11	26.7	51	22.1	7.0													1905											
	1	11.7	6.4																										
	12	38.4	51	28.5																									
			51	283																									

262	—	1	12	15.5	52	56.2	9.5	49.78	9296.85	14	5.14	5.36	13.79	28.29	54.08	1	486	33.9					
16.48	16.48	1	12	12.4	+	6.4		49.74	9497.85	14	0.01	14.519	15.62	563	28.29	54.08	1	486	33.9				
10.11	13.15	13	17.9	53	2.6	52		49.77	9685	14	4.62	15.63	34.35	28.29	54.08	1	486	33.9					
				52	3.11																		
22.08	10.41	1	28	15.8	54	26.8	9.4	49.74	9385	50	16.65	+719	-3791	29	38.74	35.83	18.53	3.530	32	50.5			
10.71	15.64	1	1	15.4	6.2			49.76	8485	30	4.91	+715	-3787	29	27.04	29	0.76		25	55.5			
		29	31.2	54	33.0	54																	
				54	33.2																		
55.12	41.45	1	30	25.9	51	31.9	7.6	45.67	8083	32	10.16	+659	-2985	21	42.29	40	19.03	18.46	2.2768	37	57.4		
53.94	42.15	1	1	14.3	6.2				78	32	10.16				40.31	40	19.08				51.4		
		31	40.2	51	38.1	51																	
				51	35.7																		
32.04	86.88	1	47	31.7	51	48.3	9.5	49.76	8785	49	26.18	+781	-3853	48	47.60	54	21.28	1782	-2.5820	51	23.1		
35.52	33.97	1	1	16.7	6.0			49.82	9685	49	27.76	+783	-3855	47.43	49.27	57	18.04	1786		54	19.87		
36.88	33.88	48	48.4	51	54.3	51		49.86	9.785	49	28.67				50.02	57	16.44			54	18.2		
				51	44.6						30				49.75		63						
11.30	46.68	1	48	41.6	50	13.2	9.4	45.94	9084	49	50.97	+742	-3433	49	16.44	21	41.33	1781	-2.4029	19	1.0		
55.60	51.35	1	1	16.0	6.0			93	9.1	50	32.24	+746	-3436	49	57.88	21	45.98	1778	-2.4002	19	6.0		
51.84	51.13	49	57.6	50	19.2	50			9.2	50	32.08				49	57.72	21	46.16		19	6.1		
33.34	2.50								9.1	51	13.56	+751	-3441	50	39.15	22	57.81	1755	-2.3975	20	18.1		
34.06	33.05								9.0	51	14.29				50	39.88	23	28.47		20	48.7		
51.06	48.40							4594	9.0	50	31.83	+746	-3436	49	57.47	21	46.00	1778	-2.4002	19	3.0		
12.24	41.72	1	50	26.9	49	54.0	8.4	45.52	8583	52	23.90	+749	-3457	51	53.33	2	21.22	1770	-2.2160	0	0.1		
9.64	42.34	1	1	16.1	5.9				9.0	52	24.05				53.48	2	21.21			59	59.6		
		51	53.0	49	59.9	49																	
				49	51.6																		
7.16	5.98	1	51	31.7	50	46.5	8.8	45.52	—	83	18.79	+776	-3478	52	48.01	48	47.15	1766	-2.2128	46	25.9		
4.32	5.81	1	1	16.6	5.9				8.7	53	18.69				47.91	48	45.82			46	24.6		
45.58	9.78	52	48.3	50	46.4	50		4594	9.1	84	53	22.22	-3463		47.59	49	5.14		2.3874	46	24.2		
42.26	8.49								—	53	22.47				47.84	49	4.16			46	25.2		
41.94	10.56								8.9	53	22.70				48.07	49	6.21			46	27.3		
31.27	47.19	1	54	39.7	52	12.5	8.9	49.76	8985	56	25.28	+839	-3211	55	46.17	15	33.17	1753	-2.5530	12	37.9		
45.16	34.38	1	1	12.9	5.9			49.82	8685	56	32.29	+842	-3214	55	58.15	21	16.54	1753	-2.5530	18	21.2		
57.74	58.88	55	57.6	52	18.4	52		49.86	2185	55	49.38	+855	-3227	55	100.65	57	48.44	1756	-2.5360	54	47.8		
				52	49.9																		
10.94	56.99	1	58	36.7	53	58.7	8.8	45.54	8583	0	22.22	+849	-3222	55	56.22	2	41.82	1736	-2.4888	0	23.1		
14.36	1.70	1	1	19.5	5.8				8.8	0	28.86				56.91	2	45.31			59	24.4		
		59	56.2	53	57.5	53																	
				53	45.3																		
12.37	59.74	2	4	57.2	53	21.7	9.2	45.96	9384	6	53.90	+947	-3617	6	17.73	29	58.57	1707	-2.3363	27	250.249		
13.27	58.99	1	1	20.0	5.7				—	6	53.91				17.74	29	57.84			27	24.2		
3.93	25.16	6	17.2	53	27.4	53		49.77	—	85	6	52.68	+947	-4019		17.49	30	13.56	2	50.70	27	22.9	
3.35	24.87							49.80	8985	6	57.81				17.62	30	12.77			27	22.1		
19.72	42.28							49.83	2385	7	11.71	+952	-4024	6	31.47	32	29.82	1706	-2.5060	29	37.2		
14.36	48.94							49.87	9097.85	6	55.22	7.62	947	+951	18.04	32							
3.33									9685	6	54.15	5.46	4019	-4023	13.96	44.45	32	35.47	1707	-2.5070	29	45.0	
53.33	6.88	2	7	43.3	55	18.0	9.1	49.80	9385.85	9	45.57	54.68	+1033	+1034	9	45.2	1362	78	56.93	1694	-2.4940	16	75
		1	1	21.7	5.7																		
		9	5.0	55	15.7	55																	
				55	56.5																		

1833phae Proj. 1707.

1883phae p. 101

2.00	2.2249	41.6	49	50.8	8.1	45/108	-84	11	15.80	+866	-3549	10	50.40	58	32.81	✓	+1688	2.3158	56	24.0	53			
4.57	0.85	18.5	+	5.6		47/110	86.85	11	35.91	+862	-39.34	10	54.47	58	59.29	✓	1682	2.24850	56	10.8				
11	0.1	49	56.4						38.96				59.2	59	28.2	✓				143				
		49	629																					
1.00	2.6296	13.3	49	53.5	9.0	45/97	85.84	17	49.42	+906	-3589	17	136.2	50	22.35	✓	1655	-2.2895	10	53.3	34			
2.752	12.51	19.3		5.5			9.3	18	8.04	+902	-35.77	17	32.27	2	8.56	✓	1654	-2.2886	59	39.7				
17	32.6	49	59.0																					
		49	657																					
31.96	43.56	21	22.7	54	15.5	9.0	45/99	96.84	23	12.40	+1.090	-37.46	22	349.4	24	50.28	✓	1628	-2.2632	22	23.8			
29.06	49.93	22.9		5.4			45/100	9.1	23	12.50			35.04	24	50.25	✓			22	23.7				
28.38	51.42	46.6	54	20.9			45/100	9.0	23	12.57			35.11	24	52.02	✓			22	25.5				
			54	565																				
21.35	55.27	9.8	55	1.5	9.3	49.84	9.485	29	15.85	+1.162	-42.84	28	33.5	19	52.07	✓	1596	-2.3960	7	17.5	47			
6.58	49.02	22.4		5.4		49.86	20.85	28	57.54	+1.157	-42.29	28	15.25	6	27.82	91	✓	1578	-2.39.80	3	58.2	47		
16.67	25.13	34.2	55	6.9			21.88	29	7.62	-29.60	4.161	-42.33	25.28	33.75	✓	✓	✓							
			55	672					52				19											
3.821	—	37	35.0	53	16.3	8.0	48.8	—	85	39	28.02	42.24	+1.151	+1.155	45.79	59.99	—	15.41	-2.34.10	—	—			
52.46	—	38	59.2	53	21.5								42.23	42.25										
			53	572																				
3.821	4.180	38	15.5	50	55.8	9.2	49.86	—	85	40	20.02	49.24	+1.063	-41.85	38.67	43.89	30.21	40.04	15.36	-2.33.60	0	56.6	1.64	
21.42	55.51	39	22.4	5.2																				
			39	37.9	51	1.0																		
			50	633																				
6	12.24	42.90	49	31.6	50	47.6	8.9	45.88	9.0	84	51	23.55	+1.118	-37.71	50	558.4	54	14.71	-2.12.39	52	28.3	38		
55.20	42.81	50	23.5	4.9					9.0	51	33.34				55.63	54	41.96	✓		52	29.6	36		
			50	55.1	50	52.5																		
			50	679																				
43.99	16.35	13	1.2	54	2.9	9.3	45.89	9.6	84	15	10.98	+1.390	-40.16	14	30.82	9	20.73	✓	1323	-1.59.07	7	21.7	57	
23.80	16.53	14	28.9	4.5				9.6	15	10.71					30.55	9	20.16	✓		7	21.1	53		
			14	30.1	54	7.4																		
			54	675																				
41.62	39.42	21	58.0	50	58.4	9.0	45.91	9.0	92.84	24	26.3	24	11.98	+1.285	39.2	23.22	32.775	38.39	✓	-1.53.76	446	1.55.8	46	
26.56	39.46	1	26.9	4.3				9.6	24	2.74					23.535	✓	40.60	✓	3	46.8			48	
19.98	39.33	23	24.9	51	3.7		45.103	9.2	84	24	2.90				23.675	✓	40.60	✓	3	46.8				
			50	779																				
37	55.5	50	55.7	7.0																				
1	28.2	3.9																						
39	23.7	50	59.6																					
		50	828																					
7.1270	51.83	44	13.8	51	52.0	9.0	47.116	8.485	46	8.61	+1.430	-45.02	45	23.59	4	52.39	✓	11.08	-1.50.80	3	6.6	42		
31.48	51.5	1	29.7	3.7					46	25.39	+1.431	-45.03	45	40.365		10.42	✓	11.06	-1.50.60	3	19.8			
51.8	18.40	45	43.3	52	1.7				46	42.09	+1.432	-45.04	45	57.055		23.23	✓	11.04	-1.50.40	3	32.8			
38.05	—			51	799		183	—	46	29.04	+1.428	-45.00	45	44.04										
38.64	6.15						48.5	91	46	28.45	+1.428	-45.00	45	43.46	3	11.35	✓	11.05	-1.50.60	2	20.8			
									65							44								
40.25	49	55.95	54	21.4	52	22.7	9.0	48.12	—	85	56	26.07	+1.493	-45.65	55	89.23	30	4.84	✓	1032	-1.43.20	28	18.8	29
1	31.1	3.5																						
55	52.5	52	31.2																					
		52	757																					
10.18	35.3	57	56	39.0	52	39.5	8.7	45.105	8.784	58	52.74	+1.516	-41.29	58	114.57	4	40.87	✓	1014	-1.31.26	43	9.6	41	
49.36	36.35	1	31.5	3.4			46	1	80.84	58	52.65				1136	44	40.73	✓		43	9.9			
58	10.5	52	42.9																					
		52	768																					

55.38	18.36	4	2	31.8	50	1.8	8.7	45/10	88.84	4	41.69	+1402-4027	4	142.9	21.28	✓	+9.70	-127.30	7	59.0								
			1	29.2	50	3.3																						
			4	1.0	50	8.1																						
					50	929																						
24.75	17.25	4	3	58.6	50	52.0	8.8	49.88	86-85	6	14.62	2756	1447	4519	2943	4236	56	1702	5704	1958	13580	54	41.2	34.9				
32.70	17.28		1	30.1		3.2						+1443	-4520						1702	5704	1958	13580	54	41.2	34.9			
			5	28.7	50	55.2														1702	5704	1958	13580	54	41.2	34.9		
					50	940																						
47.48	17.49	4	4	22.1	50	29.0	8.8	48.8	80.8785	6	36.70	63212	+1429	-4501	5169	471134		23.06	46.46	95.5	13550	32	47.6	34.0				
42.90	17.41		1	29.8		3.2													47.57	34	144		32	12.1	32.259			
			5	51.9	50	32.2																						
					50	946																						
49.12	44.60	4	9	59.7	49	55.0	8.5	45/10	878184	12	35.28	12	39.74	1420	-4043	115507	11	18115	59	2739	908	908	-12170	58	3	58		
53.42	31.70		1	29.7		3.1			47/12	8885	11	34.92		+4116	-4488	5447	5928	19	38.61	59	2739	908	908	-12170	58	3	58	
43.47	32.87								47/12	8885	11	34.92		+4116	-4488	5447	5928	19	38.61	59	2739	908	908	-12170	58	3	58	
58.39	48.64	11	29.4	49	58.1				4980	878285	12	5.16	12	50.08	+1418	-4430	2026	11	5.18	59	2739	908	908	-12170	58	3	58	
23.11	54.26				49	1161			4985	8685	12	14.14		+1424	-4436	11	29.18	59	52.20	59	2739	908	908	-12170	58	3	58	
24.55	52.52								4988	-85	12	14.46	12	78.61	+1424	-4436	11	29.18	59	52.20	59	2739	908	908	-12170	58	3	58
28.70	52.52																		✓	58.24	59	2739	908	908	-12170	58	3	58
48.28	13.08	4	35	26.4	29	52.8	7.8	46.4	8684	37	18.77		+1488	-4104	37	773	56	16.15	✓	707	-13.63	55	12.5					
45.66	13.77		1	31.2		2.4			72	37	18.66				37	762	56	16.45	✓	706		55	12.8					
1.99	17.30		37	7.6	49	55.2			47/113	-85	37	53.31		+1489	-45.61	37	770	56	24.63	✓	706	-110.60	55	14.0				
					49	1239																						
23.06	44.87	4	38	10.9	58	47.8	9.4	48.29	919185	40	10.18	40	34.28	+1719	-4291	37	57	6	815	51	11.81	-1870	49	59.5	50.31			
27.16	17.70		1	35.6		2.4			9198	40	10.37	40	34.28	+1719	-4291	37	57	6	815	51	11.81	-1870	49	59.5	50.31			
23.52	5.87		39	46.5	53	50.2			9198	40	10.37	40	34.28	+1719	-4291	37	57	6	815	51	11.81	-1870	49	59.5	50.31			
47.58	5.68				53	819													14.21	51	11.81	-1870	49	59.5	50.31			
39.04	50.11	4	43	24.7	51	10.5	9.1	46.5	9084	45	39.16		+1578	-4185	44	576	114	5522	✓	642	-0.5778	13	57.4					
36.68	48.08		1	32.8		2.2			88	45	39.62								62.68	✓			13	54.9				
			44	57.5	51	12.7																						
					51	991																						
57.92	36.27	4	47	42.5	51	41.8	8.0	46.5	8084	49	58.32		+1617	-4220	47	1612	45	40.07	✓	606	-0.5454	44	45.5					
33.26	32.25		1	33.7		2.1			78	49	58.17								37.48	✓			44	42.9				
			49	16.2	51	43.9																						
					51	1005																						
46.56	48.45	4	48	6.3	54	36.9	8.9	48.6	-85	51	36.66		+1799	-4871	50	477	38	0.25	✓	593	-0.5930	37	0.9					
48.74	51.33		1	37.2		2.0			4810	-85	51	36.66							2.97	✓			37	3.7				
			50	43.5	54	38.9													16	✓				2.7				
					54	846																						
48.36	32.26	4	49	34.0	50	55.5	9.0	46.6	9684	51	48.74		+1576	-4183	51	691	58	38.46	✓	591	-0.5319	57	45.3					
45.88	34.87		1	32.8		2.0			91	51	48.79								39.51				57	46.3				
			51	6.8	50	57.5																						
					50	1101																						
42.63	40.19	4	51	12.0	50	15.6	9.0	48.20	-85	52	30.61		+1543	-4615	52	444	618	16.54	✓	577	-0.5770	17	48.8					
			1	82.1		2.0																						
			52	44.1	50	17.6																						
					50	1108																						
2.40	16.87	4	53	30.2	51	41.3	8.9	45/15	8884	58	18.55		+1630	-4232	53	613	46	21.41		558	-0.5022	46	31	45	34.2			
46.08	17.38		1	33.8		1.9			46.6	58	18.55								1300	46	25.71		48	22.8	35.5			
48.44	18.80		55	4.0	51	43.2			8680										1259	46	25.71		48	22.8	35.5			
48.74	2.00				51	1016																						
					51	1016																						
29.49	40.36	4	54	50.4	54	8.3	9.0	48.32	8585	57	16.23		+1780	-4852	56	277	12	18.92	✓	545	-0.5450	7	55.4					
			1	36.9		1.9													57.62	✓			8	45.1				
			56	27.3	54	10.2																						
					54	861																						
41.91	28.19	4	55	5.1	58	18.6	8.7	48.33	8385	57	28.64		+1729	-4801	56	4063	20	27.13	✓	543	-0.5430	19	42.8					
			1	35.8		1.9																						
			56	40.9	53	20.8																						
					53	850																						

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55	480	55	12.6	51	32.5	9.0	4834	9385	57	40.26	+1.622-4694	56	53.3234	8.24	✓	+542-0.5420	33	140	38.4
	+1	33.7		1.9															38.9
	56	51.3	51	84.4															
			51	1023															
55	55	218	51	58.3	9.2	4834	9385	57	44.24	+1.648-4720	56	57.04	—	—	✓	542-0.5420	—	—	24.4
	1	34.2		1.9															22.7
	56	56.0	52	0.2															48.4
			51	1025															49.3
4429	58	9.4	52	31.8	9.4	4825	9685	0	31.90	+1.688-4740	59	443034	31.00	✓	518-0.5180	33	39.2	53.6	
	1	35.0		1.8															51.9
	59	44.4	52	83.6															
			52	927															
4480	535432	11.6	49	518	9.0	4816	9185	4	33.24	+1.542-4614	3	471055	32.77	✓	484-0.4840	54	44.4	19.3	
4512	29131	32.2		1.7		4822	9085	4	32.79			466555	35.81	✓		54	47.3		
	3	43.8	49	53.5															
			49	1324															
2622	3724	51.4	50	25.7	9.2	4827	9185	7	13.71	+1.576-4648	6	272327	44.41	✓	461-0.4610	26	58.3	7.3	
	1	32.8		1.6															5.6
	6	24.2	50	27.3															
			50	1138															
3042	59575	50.5	53	40.3	9.0	4824	9385	8	17.56	+1.774-4846	7	291043	9.29	✓	452-0.4520	42	241	17.6	
	1	36.8		1.6															17.4
	7	27.8	53	41.9															
			53	883															
45	3373	9	34.9	50	28.2	8.5	4816	7885	11	53.84	+1.586-4657	11	72729	42.12	✓	430-0.4310	29	0.0	139
09	3213	1	33.0		1.5		4823	8885	11	53.85		1172974	29	39.78	✓		28	57.8	12.8
588	349911	7.9	50	29.7		4824	8885	11	53.474			11	554	29	42.11	✓	29	59.8	
			50	1151															
2750	41910	41.3	51	51.4	9.5	4833	9485	12	14.15	+1.647-4719	11	269633	42.53	✓	418-0.4180	38	7.7	591	
	1	34.7		1.4															
	12	16.0	51	52.8															
			51	1060															
5266	159812	21.5	50	30.2	8.8	4827	8285	14	40.09	+1.592-4664	13	534532	23.21	✓	397-0.3970	31	43.7	16.1	
5360	1616	1	33.2		1.4	34	87	14	40.23			53.5932	23.29	✓		35	43.6	24.3	
	13	54.7	50	31.6															48.8
			50	1160															49.3
5444	479213	16.0	51	29.8	9.0	4820	9585	15	39.30	+1.651-4723	14	520731	56.15	✓	389-0.3890	31	17.2	33.8	
	1	34.3		1.3															
	14	50.3	51	31.1															
			51	1067															
5680	174215	26.5	50	8.5	8.4	4822	8685	17	44.40	+1.575-4667	16	579310	24.27	✓	371-0.3710	9	47.3	582	
5713	19781	32.8		1.3	25	83		17	44.63			581610	27.02	✓		9	47.8	1.4	
	16	59.3	50	9.8															2.41
			50	1172															
5718	279116	48.6	50	21.1	9.4	4830	9685	18	44.06	+1.591-4663	17	574325	35.31		368-0.3680	24	59.0	585	
2652	12451	33.2		1.3	32	93		19	13.14	+1.580-4652	18	266273	19.84	✓	358-0.3580	12	44.0	51.0	
	18	22.8	50	22.4															
			50	1176															
3832	324117	5.5	50	22.1	9.3	4820	9485	19	27.16	+1.596-4668	18	404829	40.16	✓	356-0.3560	29	4.6	2.6	
	1	33.3		1.3															2.9
	18	38.8	50	29.4															
			50	1177															
244	200219	30.3	53	13.4	8.2	4825	8685	21	54.60	+1.766-4838	21	62215	20.03	✓	335-0.3350	14	56.5	37.7	
	1	36.6		1.2															
	21	6.9	53	14.6															
			53	917															
2118	311827	16.9	49	52.5	8.5	4622	8684	29	34.08	+1.568-4176	28	523254	40.07	✓	269-0.2690	45	15.9	60.0	
4864	30531	33.0		1.0	4810	8585		29	38.50	+1.579-4646		520454	40.18	✓	268-0.2680	54	13.4	472	
	28	49.9	49	53.5															0.2
			49	1379															0.9
2875	559327	54.2	49	57.8	9.2	4821	—	85	16.35	+1.579-4651	29	2954	0	48.9	✓	263-0.2630	57	34.6	0.6
	1	32.9		1.0															
	29	27.1	49	58.8															
			49	1382															

38.44	48.58	28	5.6	51	14.9	8.4	48.17	8.685	30	26.75	+1.652-47.24	29	39.51/15	58.31	✓	+2.61	-0.2610	15	32.2		
38.93	48.69	+1	34.4	+	1.0		22	8.185	30	26.45			39.21/15	57.87	✓			15	31.8		
	29	40.0	51	15.9																	
			51	1076																	
24.48	48.58	28	13.0	52	48.7	8.4	46.21	8.884	30	32.78	+1.748-48.88	29	49.35/49	54.96	✓	2.60	-0.2240	49	31.6		
22.72	48.81	1	36.3		1.0			8.2	30	32.62			49.24/49	57.71	✓			49	34.3		
48.40	22.74	29	49.3	52	49.7	48.10		8.385	30	37.23	+1.749-48.21		49.02/50.49	35.55	57.53	✓	-0.26.00	49.60	9.6		
49.58	46.64			52	982	48.18		8.585	30	37.22			49.01/49	57.24	✓			49	31.2		
52.64	41.76	30	41.7	53	22.5	9.2	46.22	-8.4	33	1.68	+1.793-43.78	32	17.90/28	50.50	✓	2.39	-0.2151	28	29.0		
51.96	43.91	1	37.2		0.9			9.0	33	1.86			32	18.08/28	52.73	✓		28	31.2		
	32	18.9	53	28.4																	
			53	939	✓																
49.52	0.99	30	44.7	52	35.0	8.4	46.10	8.284	33	3.487	+1.736-43.27	32	20.15/36	8.21	✓	2.09	-0.2151	35	46.7		
			36.1		0.9																
	32	2.08	52	35.9																	
			52	986																	
7.38	47.99	33	48.3	54	31.4	9.0	46.22	9.084	36	15.41	+1.856-44.85	35	31.06/22	57.60	✓	2.11	-0.1899	22	38.6		
5.66	45.43	1	38.5		0.8			9.1	36	15.54			31.19/22	55.00				22	36.0		
	35	27.8	54	22.2										58.63	✓			22	39.6		
			54	987																	
12.65	36.28	34	32.6	53	43.7	9.4	48.30	-8.5	37	4.42	+1.814-48.86	36	15.56/44	42.18	✓	2.04	-0.2040	44	26.8		
12.47	36.61	1	32.6		0.7		32	9.4	37	5.96	406		15.10/44	47.82	✓			44	27.4		
	36	15.2	53	44.4																	
			53	942																	
43.91	41.80	35	30.3	51	23.4	8.6	48.28	8.885	37	31.21	+1.667-47.39	36	43.82/24	56.19		2.00	-0.20.00	24	31.2		
42.83	28.82	1	34.7		0.7		30	-8.5	37	59.60	+1.664-47.36	37	12.24/23	37.83	✓	1.96	-0.19.60	23	18.2		
	37	5.0	51	24.1									12.15	22.24/19				23	16.5		
			51	1110	✓																
59.18	21.57	45	20.9	51	31.1	8.5	48.46	8.485	47	43.24	+1.680-47.52	46	55.72/31	50.39	✓	1.11	-0.11.10	31	19.2		
			35.0		0.4																
	46	55.9	51	31.5																	
			51	1129																	
26.18	33.55	29	0.4	48	6.6	54	22.3	8.5	48.23	-8.5	50	33.48	+1.864-49.36	49	44.12/22	46.36	✓	0.86	-0.08.60	22	37.9
24.37	-	1	38.6		0.3		37	-						48	20.61						
48.53	38.80	49	45.2	54	22.6		40	8.4	50	33.45	+1.862-48.34		49	44.11/22	49.65	✓	0.86	-0.08.60	22	41.0	
49.37	87.41			54	973		46	8.4	50	33.42			49	44.08/22	48.44	✓		22	39.8		
33.86	8.38	48	57.2	51	6.2	8.9	48.43	8.885	57	18.43	+1.656-47.28	50	31.15/6	12.00	✓	0.80	-0.08.00	6	9.0		
			34.5		0.3																
	50	31.7	51	6.5																	
			51	1140																	
58.27	35.50	49	15.4	54	33.0	9.0	48.26	9.085	51	46.57	+1.876-49.48	50	57.09/32	48.44	✓	0.75	-0.07.50	32	40.9		
1.41	37.23	1	38.9		0.3		40	8.6	51	46.32			56.84/32	48.28	✓			32	40.8		
2.41	36.71	50	54.3	54	33.3		46	8.9	51	46.45			56.97/32	48.12	✓				40.6		
				54	976																
58.50	45.92	49	53.0	49	58.3	8.8	46.25	8.684	52	8.25	+1.591-41.97	51	26.28/58	53.09	✓	0.72	-0.6.48	58	46.6		
54.08	44.29	1	33.2		0.3		46.41	8.384	52	8.028			26.05/58	50.26	✓			58	44.3		
	51	26.2	49	58.6																	
			49	1435																	
2.62	48.81	56	6.9	51	25.2	9.2	48.30	-8.5	56	48.29	+1.678-47.52	56	1.79/26	58.61	✓	0.31	-0.03.10	26	55.5		
2.99	48.33	1	34.9		0.1		33	-	56	48.40	+1.678-47.52		1.90/26	58.45	✓	0.31			55.3		
	57	41.8	51	25.3																	
			51	1155																	
57.79	20.52	57	0.4	50	22.2	9.0	48.43	8.685	59	22.32	+1.615-46.87	58	35.45/22	28.84	✓	+0.09	-0.09.00	22	27.6		
			33.7		+0.1																
	58	24.1	50	22.3																	
			50	1270																	
50.04	48.18	6	41.4	53	41.2	9.0	46.41	8.784	9	3.9X	+1.819-44.02	8	19.52/41	53.65	✓	-0.78	-0.6.84	41	59.5		
47.20	48.26	1	37.8		0.2			8.9	9	4.5X	+1.819-44.02	8	20.52/41	53.92	✓				59.5		
0.21	21.07	8	19.2	53	41.0		48.36	8.485	8	45.71	+1.819-48.91	7	52.80/42	31.93	✓	-0.73	-0.07.30	42	39.2		
24.00	41.07			53	1005		41	7.888	8	45.74	+1.819-48.91	7	56.83/42	32.56	✓	-0.73	-0.07.30	42	39.9		
0.63	27.17	8	6.0	54	18.2	8.9	48.41	9.185	9	45.44	+1.853-49.25	8	56.19/42	32.94	✓	-0.82	-0.08.20	42	46.1		
			38.6		0.2																
	9	44.6	54	18.0																	
			54	1012																	

19.26 55.45	20	21.7	54	56.5	7.8	48.85	82.78	86	22	6.12	22.50	+1.897	1896	21	22	16.43	0.43	56	47.58	56.77	-190	-196	+0.1960	57	56	66	23.4	2.76
50.62	1	39.4		-0.6		36	79		22	50.02		-4.69	-4.68			36	0.32	56	4.19	56.77	-196	+0.1960	56	23.8	46		6.5	
52.89	22	1.8	54	55.9		40	88.78		22	8.85	22.50					16.28	0.32		56	4.77	-196	+0.1960	52	23.8	46			
3.69			54	104.3		43	84.86		22	43.09	21	6.17	+1.892	+1.896		53.45	16.49	52	22.52		-195	+0.1950	52	42.0				
59.51	25	10.8	51	32.4	8.5	46.10	86.84		27	33.34			+1.668	-4.66		26	50.68	39	10.39		-237	+0.2133	29	31.7			21.7	
3.17	1	34.9		0.7		46.44	85.84		27	33.18	8					26	50.42	29	12.11				29	33.4			22.0	
2.74	26	45.7	51	31.7			85		27	33.28	0					26	50.62	29	11.61				29	32.9				
			51	121.6																								
59.56	26	56.3	52	6.7	8.2	46.08	91.84	29	19.06			+1.704	-4.298		24	34.08					2.52	+0.2268					20.5	
57.21	1	35.5		0.7		49	84	29	15.03							32.05	6		5.88				6	28.6			21.2	
28	31.8		52	6.0																							21.8	
			52	110.5																								
4.130	58.90	28	55.6	1.6	9.0	48.49	88.85	31	25.72			+1.892	-4.664		30	34.96	0		11.82		2.78	+0.2710	0	99.2	38.9		46.2	
	1	39.3		0.9												35.38											46.7	
30	34.9		55	0.7																							46.8	
			55	110.5																							47.2	
1.65	4.74	31	23.2	1.6	8.5	48.34	84.85	33	42.85			+1.756	-4.828		32	59.57	0		24.43		2.71	+0.2910	0	53.5			9.29	
12.74	37.96	1	36.6	0.9		37	8.8	33	58.15			+1.765	-4.837		33	59.78	8		42.53		2.93	+0.2930	9	18.8				
3.10	12.32	32	59.8	0.7		40		33	47.78			+1.756	-4.828		32	59.50	0		23.90		2.91	+0.2910	0	53.0				
4.33	15.75					47	8.7	33	47.12	47.90					32	59.54	0		27.39		2.71	+0.2910	0	56.5				
4.23	13.12		53	105.4		49	8.6	33	52.63			+1.756	-4.828		32	59.25	0		21.88		2.93	+0.2910	0	53.8			50.58	
									11.90						32	59.25	0		95				0	54.0				
0.26	26.26	40	8.2	50	41.9	8.5	46.29	92.84	42	6.34		+1.611	-4.215		41	24.39	46		36.04		3.63	+0.3267	47	8.7			29.9	
7.02	3.33	1	33.6	1.1		46.45	85.84	42	23.98			+1.605	-4.209		41	41.58	40		12.36		3.65	+0.3294	40	45.3			29.9	
		41	41.8																								29.9	
			50	40.8																							29.9	
			50	135.8																							29.9	
45.52	49.26	41	41.9	55	2.7	8.1	46.50	84.84	44	4.31		+1.879	-4.455		43	19.76	2		1.12		3.60	+0.3420	2	35.3			27.12	
	1	39.0		1.2																							28.61	
	43	20.9	55	1.5																							28.2	
			55	113.7																								
26.66	48.50	42	25.8	51	39.9	8.3	46.50	83.84	44	45.48		+1.658	-4.257		44	29.13	7		58.03		3.86	+0.3474	38	32.8			28.16	
39.31	6.26	1	34.7	1.2		48.43	78.85	44	23.69			+1.660	-4.732		43	36.27	49		17.26		3.83	+0.3830	48	55.6			30.5	
7.02	40.07	44	0.5	51	38.7	49	8.8	44	50.28			+1.658	-4.730		44	2.98	7		58.94		3.86	+0.3860	38	29.5			15.7	
7.21	43.03		51	12.51		50		44	50.42	34					44	31.83	7		53.86				38	34.0	33.8			
0.92	51.02	44	22.0	53	32.6	8.9	48.27	87.85	46	46.16		+1.776	-4.548		45	57.68	35		3.66		4.03	+0.4030	35	44.0			53.61	
2.26	50.55	1	37.0	1.3		46	8.6	46	45.98							57.50	35		3.11				35	43.4			53.74	
	45	59.0	53	36.3																								
			53	108.4																								
9.89	7.43	45	39.5	50	11.3	9.1	48.38	85	47	55.13		+1.578	-4.650		47	8.63	19		17.65		4.13	+0.4130	19	59.0			8.93	
10.30	8.60	1	32.9	1.3		41	90.87	47	54.94	47.64	18.96	+1.550	-4.650		47	8.44	18		18.36				19	59.79			21.46	
10.40	10.1					44	98.90	47	55.28	47.80	1.568	-4.650		47	8.44	18		18.36				9	34.2	52.3	40.2		9.07	
14.13	48.52	47	12.4	50	10.0			47	55.28	47.80	1.568	-4.650		47	8.44	18		18.36				9	34.2	52.3	40.2			
15.22	1.93		50	137.3		46	9.0	47	58.95						47	12.53	9		11.82				9	52.1	55.4			
49.85	56.80	54	7.0	52	4.3	9.2	48.42	92.88	56	34.44	56.29	1.666	-4.738		47.06	42.46	5		8.70		4.87	+0.4870	5	57.4			33.88	
50.92	56.17	1	34.8	1.6		47	8.9	56	31.60							47.22	5		7.92		4.86		5	56.6			30.74	
	55	41.8	52	2.7																							53.31	
			52	116.4																							1.59	
24.18	9.26	55	19.1	54	42.7	9.1	46.50	88.84	57	42.90		+1.834	-4.415		56	58.75	15		21.94		4.96	+0.4464	46	36.6			19.9	
	1	38.2		1.6																							21.2	
	56	52.3	54	46.1																								
			54	110.7																								
52.15	6.15	59	57.2	50	2.9	7.5	46.50	86.91	84	2	9.66	2.13	+1.541	-4.152		28.14	319.5		15.59		4.47	+0.4791	4	53.60			32.56	
51.16	8.20		32.2	1.7		51	82.93	2	9.87	2.13	48					28.35	319.65		14.62		4.47	+0.4791	4	53.60			30.34	
51.78	42.77		29.4	50	6.2		8.8	2	9.84							1	28.32	5		13.17		4.47	+0.4791	4	53.60			
47.20	15.03	1		50	139.9																							
8.53	58.7	28	24.2	55	4.9	9.3	48.47	94.85	4	52.15		+1.837	-4.2.90															

1883phae.proj.1.1

23.4	8.25	44.75	3	4.2	53	49.7	8.0	46.51	80.9/84	5	25.04	25.89+1753	43.42	4162	4247.46	56.56	J	J	-561	40.5049	47	47.0	—	
24.6	6.50	43.43	1	36.6	—	1.8			8.1	5	25.19				41.77	46	55.30	J			47	45.8	—	
			4	40.8	53	47.9																	—	
					53	1121																	—	
	21.74	31.005		44.6	51	20.0	9.2	48.51	8.885	8	4.61	+1.596	44.68	7	17.93	16	11.84	J	-5.85	40.5850	17	40.3	—	
	22.03	26.471		33.4		1.9		64	9.4	8	4.51				17.83	16	36.71	40.71			17	35.2	—	
			7	18.0	51	18.1															39.2	—	—	
					51	1306																	—	
	20.51	32.016		40.2	52	2.5	9.3	48.42	8.885	9	5.04	+1.635	47.07	8	17.97	59	46.42	J	5.92	40.5920	0	45.6	—	
	21.29	36.631		34.2		1.9		48	9.4	9	4.91				17.84	59	48.70	J			0	47.9	—	
	21.85	36.998		14.4	52	0.6		51	9.1	9	5.22				17.65	59	47.80	J			0	47.02	—	
					52	1190					5.01				17.94		48.03	J					—	
8.9	46.21	30.21	8	3.0	55	8.9	8.0	48.48	8.885	10	29.90	10.3066+1830	49.02	9	40.88	41.64	7	44.85	8.5.51	604	+1.040	8	45.2	9.59
	46.74	28.17	1	38.1		1.9		49	8.2	10	29.82				40.80	7	43.17	J			8	43.6	9	
	46.85	32.709		41.1	55	7.0		50	7.584	10	29.87	10.3097			40.85	41.95	7	46.81	8.973		8	47.2	8.3	
	47.93	34.08			55	1185												45.07	6.171		45.5	6.6	—	
	9.29	46.26	9	16.0	52	16.2	8.0	46.52	8.884	21	27.91	+1.507	41.21	20	46.70	12	56.12	J	6.95	41.2.55	13	58.7	—	
			1	31.7		2.3																	—	
			20	47.7	50	13.9																	—	
					50	1436																	—	
	10.18	8.31	19	25.2	52	17.3	9.0	46.13	9.184	21	45.50	+1.619	42.22	21	3.28	14	20.16	J	6.97	+1.2.73	15	27.9	22.9	
	12.64	3.68	1	34.0		2.3		74	8.1	21	55.16				12.94	14	14.16	J	8.99	+1.2.91	15	17.1	—	
	29.99	8.21	20	59.2	52	15.0			7.0	21	55.22				13.00	14	13.77	J	6.99	+1.2.91	15	15.7	15	
	16.92	55.82						48.50	8.87885	21	49.99	21.5994	-46.91		13.03	14	15.72	14.7.87	6.98	6.98	+1.9.70	15	25.5	17.8
	7.39	—			52	1216		57	9.0	21	50.20				21	3.29	—	J	+1.9.80		—	—	—	—
	2.47	3.36						54	9.0	21	49.87	57.05			3.14	2.46	14	46.88	15.94	6.98	+1.9.80	15	26.5	25.7
	8.21	3.48						56	9.3	21	49.85	58.25			3.34	2.94	14	15.23	50			15	25.5	—
	27.12	15.96	20	53.9	50	26.0	8.0	48.51	8.885	23	9.92	+1.512	45.84	22	24.08	23	26.54	J	7.09	+1.10.90	24	37.4	—	
	28.66	43.83	1	31.8		2.3		55	8.6	23	11.06	+1.507	45.79	22	25.27	17	54.00	J			19	4.9	—	
	28.29	14.98	22	25.7	50	23.7		56	8.4	23	9.92	+1.512	45.84	22	24.08	23	23.29	J			24	86.2	—	
					50	1441																	—	
	28.16	11.81	22	22.9	50	27.4	9.0	46.33	8.884	24	36.73	+1.509	41.23	23	55.50	24	23.82	J	7.21	+1.4.89	25	28.7	—	
	30.56	12.01	1	31.7		2.3			8.8	24	36.68				55.45	24	23.96	J			25	28.8	—	
	15.78	15.45	23	54.6	50	25.1		46.61	8.884	24	36.90				55.67	24	24.88	J			25	29.8	—	
					50	1445																	—	
	55.66	29.25	27	55.9	52	52.9	7.3	46.52	27.84	30	12.85	+1.630	42.82	29	30.08	49	41.79	J	7.66	+1.8.94	50	50.7	—	
	53.74	26.92	1	34.2		2.5			75	30	12.32				30.00	49	39.09	J			50	48.0	—	
			29	30.1	52	50.4																	—	
					52	1232																	—	
	8.93	52.20	28	42.4	52	57.9	9.0	48.56	8.985	30	50.54	+1.634	47.06	30	3.48	56	5.28	J	7.71	+1.17.10	57	22.4	—	
	21.46	54.64	1	34.3		2.5		60	8.4	32	2.79	+1.636	47.08	31	15.91	58	6.41	J	7.81	+1.18.10	2	24.5	—	
	9.07	55.43	30	16.7	52	53.4		61	8.8	30	50.43	+1.634	47.06	30	3.37	56	6.17	J	7.71	+1.17.10	57	23.3	—	
					52	1233																	—	
	33.88	12.80	31	19.7	54	56.6	8.7	46.35	8.884	33	39.44	+1.746	43.36	32	56.08	53	29.03	J	7.94	+1.14.46	53	40.5	—	
	30.34	12.61	1	36.5		2.6			8.3	33	39.41				32	56.05	52	28.40	J			53	39.9	—
	55.34	16.43	32	56.2	54	54.0		48.52	8.685	33	38.10	+1.749	48.21	32	49.89	53	30.76	J	7.19	+1.19.40	56	38.2	—	
	1.54	10.99			54	1171		48.55	8.985	33	45.87	+1.746	48.18	32	55.69	52	24.49	23.55	J			53	43.7	42.9
																							—	
	19.98	50.23	32	41.8	52	52.3	8.5	48.52	8.485	35	2.74	+1.621	46.93	34	15.81	55	17.82	J	8.05	+1.20.50	56	38.3	—	
	21.24	55.81		34.0		2.6		48.60	8.8	35	2.77				15.84	65	17.29	J			56	37.8	—	
			34	15.8	52	36.7																	—	
					52	1242																	—	
5360	32.56	48.12	38	19.5	53	54.7	9.1	46.36	9.184	40	38.60	+1.659	42.58	39	56.02	51	4.74	J	8.50	+1.16.50	57	21.2	—	
54.9	30.34	48.83	1	34.8		2.7			8.8	40	38.88				56.30	51	4.02	J			57	22.5	—	
			39	54.3	53	52.0																	—	
					53	1191																	—	
	11.20	22.23	41	36.3	52	17.2	9.2	48.54	8.985	43	54.00	+1.552	46.24	43	7.76	12	39.28	J	8.75	+1.22.50	14	6.8	—	
			1	32.7		2.9																	—	
			43	9.0	52	14.3																	—	
					52	1257																	—	
	11.16	41.08	44	18.6	50	8.2	9.0	46.33	9.184	46	39.69	+1.429	40.51	45	49.18	3	51.25	J	8.96	+1.20.64	5	12.4	—	
	8.78	41.01	1	30.2		2.9		61	9.0	46	29.76				49.25	3	51.30	J			5	11.9	—	
	28.14	48.81	45	48.8	50	5.3		48.53	8.785	46	10.84	+1.431	45.03	45	25.81	4	56.41	J	8.93	+1.27.30	6	25.7	—	
	28.49	48.80			50	1487		54	8.6	46	10.79				25.76		56.07	J			6	25.4	—	

1883pnaeproj1707.

31.36	19.77	48	46.7	53	51.3	9.4	46.74	93.91	84	50	56.46	51.107	-4221	-4220	50	50	1425	18.97	47	31.46	46.45	4	+123.70	48	48	89	40.34	
31.38	32.79	48	34.0	53	-3.1		48.44	93.85		50	57.79		-4690	-4689			1090	47		20.23	✓		-931	33.10	48	48	33	
31.40	47.77	1	34.0	53	48.2		50	95.92		51	6.57	5058.06	+1617	-4689	1867	11.17	46		54.95	✓		-932	33.20	48	48	8.2		
31.42	20.42	50	20.7	53	120.4		54	8.6		50	51.90		+1.612	-4684	50	8.06	40		54.85	✓		-930	33.00	42	27.8			
31.44	41.42																											
31.46	18.79	48	58.8	49	53.7	8.0	48.53	95.91	85	50	62.56	57	599	1.402	-4474	7.82	21.25	47	13.06	46.26	34	-930	43.00	48	46.1	59.3	14	
31.48	30.72	48	29.6		3.1		60	8.7		51	16.11	36	+1.402	-4474	50	31.37	49		14.44	65	✓	-931	33.30	50	47.89			
31.50	49.0	1	29.6		3.1		61	9.3		51	22.4	43			50	37.27	49		15.84	✓		-934	33.40	50	46.9	49.3		
31.52	7.04	50	28.4	49	50.6																							
31.54	41.42			49	169.5																							
31.56	56.96	56	40.1	49	58.8	8.9	46.53	91.93	84	58	50.35	58	55.44	+1.381	-40.08	1027	58	15.36	54	8.13	✓	-99	129.19	55	59.3		19	
31.58	1		29.2		3.2																							
31.60	58		9.3	49	55.6																							
31.62	1		29.2	49	170.3																							
31.64	58		9.3	49	55.6																							
31.66	58		9.3	49	170.3																							
31.68	58		9.3	49	170.3																							
31.70	58		9.3	49	170.3																							
31.72	58		9.3	49	170.3																							
31.74	58		9.3	49	170.3																							
31.76	58		9.3	49	170.3																							
31.78	58		9.3	49	170.3																							
31.80	58		9.3	49	170.3																							
31.82	58		9.3	49	170.3																							
31.84	58		9.3	49	170.3																							
31.86	58		9.3	49	170.3																							
31.88	58		9.3	49	170.3																							
31.90	58		9.3	49	170.3																							
31.92	58		9.3	49	170.3																							
31.94	58		9.3	49	170.3																							
31.96	58		9.3	49	170.3																							
31.98	58		9.3	49	170.3																							
32.00	58		9.3	49	170.3																							
32.02	58		9.3	49	170.3																							
32.04	58		9.3	49	170.3																							
32.06	58		9.3	49	170.3																							
32.08	58		9.3	49	170.3																							
32.10	58		9.3	49	170.3																							
32.12	58		9.3	49	170.3																							
32.14	58		9.3	49	170.3																							
32.16	58		9.3	49	170.3																							
32.18	58		9.3	49	170.3																							
32.20	58		9.3	49	170.3																							
32.22	58		9.3	49	170.3																							
32.24	58		9.3	49	170.3																							
32.26	58		9.3	49	170.3																							
32.28	58		9.3	49	170.3																							
32.30	58		9.3	49	170.3																							
32.32	58		9.3	49	170.3																							
32.34	58		9.3	49	170.3																							
32.36	58		9.3	49	170.3																							
32.38	58		9.3	49	170.3																							
32.40	58		9.3	49	170.3																							
32.42	58		9.3	49	170.3																							
32.44	58		9.3	49	170.3																							
32.46	58		9.3	49	170.3																							
32.48	58		9.3	49	170.3																							
32.50	58		9.3	49	170.3																							
32.52	58		9.3	49	170.3																							
32.54	58		9.3	49	170.3																							
32.56	58		9.3	49	170.3																							
32.58	58		9.3	49	170.3																							
32.60	58		9.3	49	170.3																							
32.62	58		9.3	49	170.3																							
32.64	58		9.3	49	170.3																							
32.66	58		9.3	49	170.3																							
32.68	58		9.3	49	170.3																							
32.70	58		9.3	49	170.3																							
32.72	58		9.3	49	170.3																							
32.74	58		9.3	49	170.3																							
32.76	58		9.3	49	170.3																							
32.78	58		9.3	49	170.3																							
32.80	58		9.3	49	170.3																							
32.82	58		9.3	49	170.3																							
32.84	58		9.3	49	170.3																							
32.86	58		9.3	49	170.3																							
32.88	58		9.3	49	170.3																							
32.90	58		9.3	49	170.3																							
32.92	58		9.3	49	170.3																							
32.94	58		9.3	49	170.3																							
32.96	58		9.3	49	170.3																							
32.98	58		9.3	49	170.3																							
33.00	58		9.3	49	170.3																							
33.02	58		9.3	49	170.3																							
33.04	58		9.3	49	170.3																							
33.06	58		9.3	49	170.3																							
33.08	58		9.3	49	170.3																							

1883phae.proj.1707.

1883phae-proj-1-1

48	89	10.24	50.862	22	47.1	54	11.2	9.1	46.62	9.084	25	1.12	+1.492	-41.08	24	20.04	6	4.86	✓	-11841	46.56	7	51.5	
		1	31.5		-3.9																			
		22.4	18.6		54	7.3																		
					54	12.40																		
47	89	14.53	52.69	24	28.9	50	56.6	8.5	46.63	8.084	26	35.34	+1.321	-39.54	25	55.80	52	3.58	✓	-11951	47.55	53	51.1	
		1	28.0		3.9																			
		25	56.9		50	52.7																		
					50	55.6																		
93		19.54	42.95	28	48.6	53	13.9	9.4	46.63	9.384	31	0.30	+1.412	-40.36	30	19.94	8	2.13	✓	-12251	50.25	9	52.4	
		1	29.9		4.0																			
		30	19.5		53	9.9																		
					53	12.73																		
		15.94	18.83	29	35.3	52	17.9	9.2	48.64	8.485	31	56.12	+1.359	-44.31	31	11.81	9	31.03	✓	-12321	2.320	11	34.2	
		16.52	19.49	1	28.9		4.0		65		31	56.26				11.95	9	30.07	✓			11	33.3	
		31	4.2		52	13.9																		
					52	13.27																		
26		47.62	14.19	39	0.8	49	58.8	9.3	46.60	9.284	41	6.00	+1.213	-38.56	40	27.44	53	27.17	✓	-12941	56.46	55	23.6	
		1	23.9		4.3																			
		40	26.7		49	55.5																		
					49	17.74																		
13		36.86	33.06	12	42.1	50	54.5	8.9	46.89	9.084	44	58.78	+1.236	-38.77	44	14.48	18	46.87	✓	-13191	58.71	50	45.7	
		34.72	31.69	1	26.4		4.4			88	44	53.08				14.31	48	45.9	✓			50	43.9	
					44	15.5	50	50.1																
					50	15.83																		
		8.00	15.80	34	22.1	50	26.9	9.1	46.59	9.290	84	46	26.36	+1.208	-38.52	45	47.84	20	28.71	✓	-13291	59.61	22	28.4
		1	25.8		4.4																			
		25	42.9		50	22.5																		
					50	15.88																		
		29.80	58.96	7	51.6	50	47.5	8.9	46.80	8.884	16	51.62	+1.069	-37.27	16	14.35	40	12.68	✓	-15171	2.1653	42	28.2	
		27.02	59.31	1	23.1		5.0			9.0	16	51.62				14.35	40	12.47	✓			42	29.0	
					16	14.7	50	42.5																
					50	16.36																		
0		21.16	52.65	15	44.4	54	19.9	9.3	46.80	9.584	17	48.08	+1.208	-38.52	17	10.56	12	10.18	✓	-15271	2.1698	14	27.2	
		1	25.9		5.1																			
		17	10.3		54	14.8																		
					54	13.00																		
40		15.34	48.88	19	32.4	54	45.4	8.5	46.68	8.284	21	38.90	+1.204	-38.48	20	57.42	38	6.86	✓	-15431	2.1887	40	25.2	
		1	25.8		5.2																			
		20	58.2		54	40.2																		
					54	13.07																		
		52.76	47.64	20	14.2	52	48.2	9.0	46.79	9.284	22	17.34	+1.115	-37.68	21	39.66	40	4.87	✓	-15471	2.1923	42	23.7	
		1	24.0		5.2																			
		21	88.2		52	44.0																		
					52	13.97																		
		31.58	3.89	22	54.7	50	47.4	8.9	46.67	9.084	24	52.16	+1.024	-36.86	24	15.30	39	18.69	✓	-15611	2.2049	41	39.2	
		1	22.1		5.2																			
		24	16.8		50	42.2																		
					50	16.56																		
		16.26	32.24	24	52.6	52	42.5	5.0	48.64	-85	26	56.17	+1.084	-41.56	26	14.61	33	14.77	✓	-15731	2.2130	36	22.1	
		17.10	33.74	1	23.4		5.2		66		26	56.37				14.81	33	45.03	✓			36	22.3	
					26	16.0	52	37.3																
					52	14.02																		
		19.62	23.43	25	38.6	53	57.2	8.2	46.69	8.288	84	27	40.18	+1.130	+1.128	27	24.81	48	14.83	✓	-15771	2.2311	51	51
		42.06	36.63	1	24.3		5.2																	
					27	2.9	53	52.0																
					53	13.50																		
		1.06	54.33	48	14.4	52	15.6	8.0	48.67	8.885	50	42.46	+0.922	-39.94	50	2.52	7	4.28	✓	-16931	2.4930	9	53.2	
		45.00	46.66	1	20.1		8.6		68	76	50	26.57				49	46.63	9	56.10	✓	-16921	2.4920	12	45.3
					50	4.5	52	10.0																
					52	14.36																		
		6.26	37.93	49	30.9	52	33.9	8.8	46.72	8.284	57	26.87	+0.927	-35.99	50	50.88	25	54.70	✓	-16971	2.3273	28	27.4	
		1	20.2		5.6																			
		50	51.1		52	28.3																		
					52	14.39																		

1883phae.proj-1707.

50.36930	51	13.1	53	48.2	7.5	46.72	7.884	53	9.98	+0.959-36.28	52	33.70	40	54.17	✓	-17.05	42.33.45	48	27.6	48.0	
+1	20.9			-5.6	53	1378															
52	34.0	53	48.6	8.7	48.67	8.985	57	1.96	+0.821-38.93	56	23.03	7	89.69	✓	-17.22	42.52.20	10	31.9			
55	0.5	50	16.4	50	1710																
56	18.6	50	10.7	8.0	46.90	8.384	10	1.44	+0.817-35.00	9	29.44	50	54.13	✓	-17.78	42.49.02	53	34.2	21.8		
58	40.094	8	10.1	53	0.8	8.4	10	4.55		9	29.55	50	54.32	✓			53	34.3	57.5		
54	41.13	1	18.0	5.9															10.4		
9	28.1	52	54.9																		
		53	1397																		
54.66	19.24	14	33.4	58	47.4	9.3	46.97	9.584	16	27.87	04	24	28.56	✓	-18.03	42.42.27	40	43.6	25.6		
1	17.6		6.0																		
15	51.0	53	41.4																		
		53	1402																		
56.04	40.55	15	39.6	51	52.6	9.4	46.98	8.584	17	30.51	44	17	56.04	✓	-18.07	42.42.63	48	34.8	12.6		
55.24	44.36	1	16.4		6.0			9.6	19	30.81	57	40	56.54	✓			48	37.4	14.9		
16	56.0	51	48.6																11.14		
		51	1599																		
50.30	36.99	24	30.3	53	58.3	8.6	46.91	8.684	26	20.65				54.88	✓	-18.39	42.45.51	51	57.4	37.4	
1	16.3		6.1																57.5		
25	46.6	53	52.2																		
		53	1417																		
32.18	43.19	35	14.3	50	11.1	8.9	46.91	9.184	37	2.47				54.56	✓	-18.75	42.48.75	4	43.3	14.6	
1	13.0		6.2																		
36	27.3	50	4.9																		
		50	1761																		
11.60	5.96	36	56.2	50	14.6	8.5	46.92	8.884	38	40.75				18.42	✓	-18.80	42.49.20	8	7.6	19.4	
10.50	7.81	1	12.8		6.2			9.0	38	40.78				8.11	✓			8	9.1		
38	9.0	50	8.4																		
		50	1764																		
48.46	42.99	44	33.8	51	47.2	8.9	46.93	9.484	46	18.23				56.88	✓	-19.02	42.51.18	40	47.6	33.2	
1	12.4		6.3																38.9		
45	46.2	51	40.9																		
		51	1634																		
11.88	21.92	45	57.9	53	9.4	8.8	46.93	-84	47	44.10	52°			39.60	✓	-19.06	42.51.54	2	31.1	34.9	
1	12.7		6.3																32.82		
47	10.6	53	8.1																		
		53	1443																		
51.86	6.65	48	20.2	53	12.3	9.0	46.98	8.384	50	7.26				18.54	✓	-19.12	42.52.08	5	10.6	48.6	
1	12.4		6.4																		
49	32.6	53	5.9																		
		53	1446																		
44.26	54.67	50	29.8	50	9.1	9.2	46.95	9.284	52	14.52				6.29	✓	-19.12	42.52.08	3	58.4	15.22	
1	10.9		6.4																		
51	40.7	50	2.7																		
		50	1782																		
39.4	36.93	59	52.2	54	35.0	9.2	46.95	9.184	1	34.20				45.18	✓	-19.40	42.54.60	28	39.8	42.52	
1	11.1		6.5																44.16		
11	3.3	54	28.5																		
		54	1419																		
42.08	20.1	73	43.0	54	43.0	9.0	46.102	9.084	39	20.13				34.44	✓	-19.97	42.59.73	27	34.2	21.1	
38.54	27.64	1	5.0		6.6		105	9.0	39	19.94				38.94	✓			37	38.7		
38	48.0	54	36.4																		
		54	1462																		
51.64	47.17	40	54.7	54	1.6	9.5	46.102	9.784	42	28.08				51	58.15	✓	-19.99	42.59.91	55	58.1	13.74
1	41.4		6.6																		
41	59.1	53	53.0																		
		54	1467																		
12	0	41.8																	56.69		
49.25	26.12	99	42	16.4	50	52.5	9.0	46.110	9.484	43	38.91										
0	54.4		6.6																		
43	10.8	50	45.9																		
		50	1950																		

1883phae.proj.1.1

16	48.08	52.06	12	46	59.1	54	2.8	8.4	48.73	-85	48	19.79	-387	26.85	47	52.94	13	58.05	19.61	34.10	17	142	
				47	52.9	54	17.2																
9					53.8		-6.6																
2	21.58	46.53	12	54	0.6	55	0.4	8.3	46.10	85.84	55	15.12	1150	-2260	54	51.59	51	49.17	19.48	42.53	54	44.5	
3	42.83	22.37		0	52.4		6.5		48.70	84.88	55	17.42	1150	-452	51.2	57.7	51	30.31	19.48	43.43	45.1	-	
	57.37			54	53.0	54	53.9		73		54	42.13	-449	-26.23	54	15.90	55	16.36	19.47	43.43	55	31.3	
	10.46	10.48				55	157.1																
6	25.68	27.88	12	58	0.4	53	14.0	8.8	46.10	84.84	59	16.28	-454	-23.56	58	52.72	4	34.27	19.37	42.07	7	28.9	
8				0	52.4		6.5																
				58	52.8	53	7.5																
						53	159.2																
1	12.64	15.41	13	0	41.8	51	40.9	9.0	46.112	-84	2	3.19	-449	-23.61	1	39.58	31	26.25	19.25	42.37	34	14.2	
4	14.90	19.08		0	52.5		6.5			9.0	2	3.80				39.69	31	24.50				18.5	
5	11.14	24.93		1	34.3	57	34.4		47.3	-84	2	3.15				39.54	31	28.78				22.8	
						57	181.1																
4	53.80	10.60	13	12	28.1	54	32.2	9.0	46.112	90.84	13	42.21	-589	-22.35	13	19.86	23	18.84	19.03	42.53	26	10.1	
	61.55	10.60		0	49.7		6.4		113		13	42.09				19.74	23	18.16				9.4	
				13	17.8	54	25.8																
						54	158.6																
3	14.68	39.98	13	16	49.5	50	1.8	9.4	46.113	97.84	18	5.09	-529	-22.89	17	42.20	52	43.57	18.91	42.53	55	33.8	
				0	50.9		6.3																
				17	30.4	49	55.8																
						50	199.7																
6	19.40	58.08	13	16	59.4	54	22.3	8.4	47.4	88.84	18	10.04	-622	-22.05	17	47.99	20	3.23	18.90	42.53	22	53.8	
7				0	49.2		6.3																
				17	48.6	54	22.0																
						54	159.2																
6	33.76	28.45	13	18	10.4	51	52.2	8.7	48.73	88.80	19	55.26	19.04	-578	-550	19	30.22	45.52	43.52	18.84	42.53	46	40.0
	38.94			0	50.0		6.3																
				19	30.4	51	42.9																
						51	183.9																
1	34.98	19.87	13	22	13.1	54	9.6	9.3	46.113	93.84	23	23.34	-654	-21.76	23	1.58	0	34.10	18.75	42.47	3	15.8	
	32.82	23.71		0	48.4		6.3			92	23	23.29				1.53	0	30.19				18.9	
				23	1.5	54	3.3																
						54	160.1																
6	48.66	30.80	13	23	30.0	53	57.0	7.8	46.114	79.84	24	39.11	-658	-21.73	24	17.38	46	37.28	18.71	42.47	49	25.7	
				0	48.4		6.3																
				24	18.4	53	50.7																
						53	162.4																
4	15.24	22.57	13	24	23.7	52	18.8	9.0	48.75	89.85	25	38.00	-627	-24.45	25	13.55	9	24.30	18.68	42.47	12	31.1	
				0	49.0		6.3																
				25	12.7	52	12.5																
						52	171.0																
2.8	42.52	29.94	13	25	28.0	54	4.6	8.7	47.3	88.84	26	34.74	-677	-21.56	26	13.18	54	31.82	18.65	42.47	57	19.7	
	44.16	27.93		0	48.0		6.3			90	26	34.77				13.21	54	29.26				17.1	
				26	16.0	53	58.3																
						54	160.4																
12	24.15	52.24	13	26	47.3	52	46.8	8.3	48.71	84.85	27	58.58	-655	-24.17	27	34.41	87	59.20	18.60	42.47	41	52	
8.7				0	48.4		6.3																
				27	35.7	52	40.5																
						52	171.1																
1	13.74	15.79	13	31	54.1	51	24.6	6.5	46.116	70.84	33	4.07	-658	-21.73	32	42.34	18	20.23	18.43	42.47	21	6.1	
0.1				0	48.3		6.2																
				32	42.4	51	20.4																
						51	186.6																
	56.69	16.70	13	34	27.9	51	15.7	7.0	47.5	70.84	35	17.29	-672	-21.60	35	25.69	6	18.97	18.33	42.47	9	3.9	
				0	48.0		6.1																
				35	15.9	51	2.6																
						51	185.9																
7.4	49.91	50.70	13	34	35.0	53	51.3	7.6	47.6	-84	35	42.06	-737	-21.02	35	21.04	41	55.82	18.34	42.47	44	40.9	
	51.82	50.53		0	46.7		6.1			80	35	42.37				21.35	41	55.89				40.4	
				35	21.7	53	45.2																
						53	164.2																

1883phae.proj.1707.

46	59	13	60	50	48.0	53	8.3	9.2	46	118	9084	51	52.28	-831	20.17	51	32.110	6.53	-1772	+239.48	2	46.0	
1	062	0			44.9	53	5.9				90	51	52.18				32.010	6.85			2	46.3	
		51			32.9	53	2.4																
					53	1674																	
57	9	14	84	52	11.6	52	42.1	8.4	48	75	8885	53	19.74	-828	22.44	52	57.3033	16.61	-1766	+256.60	36	13.2	
		0			44.9	59	5.9																
		52			56.5	52	26.2																
					52	1757																	
15	64	82	02	54	29.0	51	53.0	8.9	48	82	-85	55	36.49	-849	22.23	55	14.2644	22.21	-1756	+255.60	47	27.8	
		0			44.5	59	5.9																
		53			13.5	52	47.1																
					52	1761																	
24	34	21	13	30	54	37.3	53	9.8	8.0	48	79	8285	55	45.58	-858	22.14	55	23.441	22.44	-1756	+255.60	4	18.0
24	58	22	02	0		44.3	59	5.9			82	-	55	45.42				23.281	22.42		4	18.0	
		55			21.6	53	3.9																
					53	1678																	
34	23	4	14	34	10	49.3	51	47.2	8.9	48	77	9085	11	56.07	-919	21.53	11	34.5438	4.98	-1683	+248.30	40	53.3
35	01	4	12	0		43.1	57	5.7			79	88	11	56.23				34.7038	3.66		40	52.0	
		11			32.4	51	46.5																
					51	1905																	
51	25	36	86	11	7.8	51	11.9	8.0	48	79	7885	12	12.47	-902	21.70	11	57.00	75	38.48	-1682	+248.30	6	23.4
		0			43.3	56	5.6																
		11			51.1	51	6.3																
					51	1906																	
16	14	9	98	23	15.0	54	37.1	9.5	47	11	9584	23	12.36	-1096	17.78	22	54.229	22	14.08	-1627	+256.43	31	40.8
53	74	57	66	0	39.6	55	5.5			48	77	9585	23	18.53	-1976		55.7728	58.95		+252.70	31	41.6	
53	48	57	30	22	54.6	54	31.6			80	96	23	14.56				54.8028	58.83			31	41.5	
					54	1680																	
53	32	40	73	25	48.8	51	26.5	9.5	47	11	9584	26	19.38	-998	18.67	26	30.7718	41.89	-1609	+224.81	21	6.8	
		0			41.5	54	5.4																
		26			30.3	51	21.1																
					51	1925																	
34	32	27	72	27	33.8	51	27.9	8.4	47	18	9084	28	31.78	-1507	18.67	28	19.1820	27.24	-1600	+224.81	22	51.2	
		0			41.3	54	5.4																
		28			15.1	51	22.5																
					51	1929																	
47	90	27	88	28	41.8	51	34.8	9.0	47	12	8984	29	41.90	-1019	18.48	29	23.4226	29.24	-1593	+223.37	28	52.6	
45	72	24	78	0	41.1	54	5.4			11	90	29	41.78				23.2926	25.61			28	49.0	
		29			22.9	51	29.4																
					51	1930																	
42	06	37	29	36	48.3	52	0.5	7.2	47	14	6584	37	44.99	-1083	17.90	37	27.453	38.68	-1550	+219.50	55	58.2	
		0			39.8	52	5.2																
		37			28.1	51	55.3																
					52	1821																	
46	90	18	74	43	13.2	54	19.1	9.0	48	81	9185	44	7.84	-1217	18.55	43	49.2912	20.39	-1514	+231.40	14	51.8	
		0			37.1	51	5.1																
		43			50.3	54	14.0																
					54	1704																	
29	12	5	14	11	44	27.5	50	27.1	8.2	47	15	-84	45	24.97	-1064	18.07	45	69.819	5.45	-1506	+215.54	21	21.0
		0			40.2	50	5.0																
		45			7.7	50	22.1																
					50	2120																	
03	0	12	15	73	10	22.3	51	19.9	9.4	48	83	9585	11	18.45	-1233	18.39	11	0.0613	12.81	-1347	+214.70	15	28.5
		0			36.7	51	4.6																
		10			59.0	51	15.3																
					51	1989																	
28	44	55	39	11	29.7	52	48.3	8.7	47	19	9284	12	20.58	-1305	16.90	12	46.840	55.44	-1341	+20.69	42	56.1	
		0			35.3	52	4.6																
		12			8.0	52	43.7																
					52	1863																	
54	2	89	35	17	2.8	54	27.0	7.3	47	20	7384	17	54.78	-1416	14.90	17	36.21	20	40.55	-1304	+157.36	22	37.9
		0			33.1	54	4.4																
		17			35.9	54	22.6																
					54	1742																	

38.62	35.84	15	23	43.4	50	16.0	8.5	47.26	-84	24	37.11	-1.248	-16.42	24	206.9	33.31	-12.59	11	26.6		
		+0		36.5	-	4.3															
		24		19.9	50	11.7															
					50	2179															
41.60	48.58	15	55	57.3	53	33.3	8.0	47.28	81.84	36	39.70	-1.550	-13.70	56	26.00	28	48.38	-10.29	30	20.9	
		6		30.4		3.5															
		56		27.7	53	29.8															
		→ sec below			53	1832															
4.93	26.59	16	2	21.0	52	28.5	9.4	47.31	-84	3	5.36	-1.516	-14.00	2	57.36	24	28.1	-9.80	25	56.9	
2.86	32.48	0		31.1		3.3		31	9.3	3	5.436				51.43	24	29.56		26	57.8	
2.25	38.62	2		52.1	52	25.2		32	8.9	3	5.20				51.20	24	39.40		26	58.6	
14.92	19.58				52	1939		38	9.1	2	22.32	-1.512	-15.11	828	9.56	23.18	4	36.37	-9.86	24	42.2
16.20	42.68								9.1	3	5.28	-1.516	-14.00		51.20	24	29.62	-9.80	25	57.8	
57.57	36.09																				
24.28	40.34	16	2	45.3	52	29.1	9.4	47.38	9.284	3	32.18	-1.517	-14.00	3	18.18	24	33.32	-9.77	26	57.8	
24.40	39.70	3		16.4	52	25.8			9.2		32.18	-1.517	-14.00	3	18.18	24	33.32	-9.77	26	57.8	
					52	1942															
39.24	44.92	16	4	53.9	51	14.6	8.5	47.31	84.84	5	42.14	-1.458	-14.53	5	27.61	9	40.54	-9.60	11	6.9	
		0		52.2		3.2															
		5		26.1	51	11.4															
					51	2060															
48.56	36.86	16	19	3.1	53	51.4	9.0	47.34	93.85	19	51.34	-1.277	-12.75	7	19	45.37	48	+1.16	50	59.8	
41.62	15.88	0		28.3		2.9						-1.653	-1.653	28.57	31.46	45.37	48	-8.50	46	49	
		19		31.4	53	48.5															
					53	1863															
6.51	14.84	16	24	33.7	54	32.5	-8.8	48.91	90.90	25	17.63	-1.358	-13.59	25	24	27.90		-8.06	28	29.6	
51.63		0		27.1		2.8						-1.714	-1.713	4.05	48.56	27.90					
		25		0.8	54	29.7															
					54	1815															
29.57	10.02	16	28	57.3	52	21.4	9.5	48.90	94.91	29	42.06	-1.594	-14.78	25	29	27.28	20.78	-15.24	16	19.4	
23.01		0		29.4		2.7															
		29		26.7	52	18.7															
					52	1973															
51.01	26.80	16	36	18.4	50	58.9	9.4	48.86	93.85	37	5.08	-1.550	-15.22	36	49.86	4	19.24	-7.11	57	31.0	
57.84	27.58	0		30.7		2.4		88	9.0	37	4.85				49.86	4	20.05	-7.11	57	31.2	
		36		49.1	50	57.5															
					50	2815															
23.70	50.19	16	42	40.5	53	3.9	8.5	47.36	90.84	43	29.71	-1.681	-12.52	43	17.19	4	44.90	-6.58	59	44.1	
10.54	25.55	0		27.9		2.2		48.86	88.84	43	24.54	-1.672	-14.00	1054	8.44	20.94		-6.59	58	26.8	
8.24								89	9.2	43	31.19	-1.681	-13.91		17.28	4	35.85	-6.58	59	44.1	
18.26	42.47	43		8.4	53	1.7		93	8.80	43	22.57	-1.675	-13.97	860	10.43	0.3689		-6.59	59	44.1	
12.23	45.32				53	1893															
14.12																					
29.60	18.59	16	46	54.5	52	21.2	9.2	47.36	91.84	47	32.88	-1.647	-12.82	47	20.06	21	13.81	-6.25	59	44.1	
26.86	21.54	0		28.4		2.2		90	9.0	47	32.84				20.02	21	15.02				
		47		19.9	52	22.0															
					52	2001															
34.16	26.79	16	57	59.2	53	36.3	8.9	47.41	88.84	58	39.97	-1.747	-11.92	58	28.05	24	20.52	-5.31	55	8.3	
		0		26.5		1.9															
		58		25.7	53	34.4															
					53	1911															
37.91	32.08	17	7	11.1	54	40.4	9.0	47.44	-84	7	45.54	-1.835	-11.13	7	36.00	58	26.18	-4.54	59	38	
36.32	26.97	0		24.7		1.5															
		7		35.8	54	38.9															
					54	1862															
40.48	13.99	17	7	12.8	52	35.2	6.0	47.28	6.584	7	51.24	-1.701	-12.34	7	38.90	33	4.22	-4.53	59	45.0	
		0		27.4		1.5															
		7		40.2	52	33.9															
					52	2032															
31.22	20.72	15	57	54.3	50	40.3	9.3	48.87	91.85	58	44.56	-1.405	-16.67	58	27.89	35	12.82	-10.13	36	54.1	
		0		38.3		3.4															
		58		27.6	50	36.9															
					50	2247															
50.44	10.63	15	59	48.7	52	38.4	8.9	47.30	86.84	59	53.37	-1.512	-14.04	59	39.33	33	7.21	-10.51	34	32.7	
17.88	37.70	0		31.1		3.4		48.84	90.87	0	35.65	-1.501	-15.12	2002	6.88	23.48	22.44	-9.99	33	2.9	
11.69	36.68	16	0	12.8	52	35.0		87	9.0	0	35.58	-1.514	-15.58	0	19.28	33	25.48	-9.99	33	2.9	
11.20	33.11				52	1932		90	8.89	0	35.67	-1.514	-15.58	1999	8.54	32.49	25.48	-9.99	33	2.9	

16	16	10	19.0	52	27.8	8.3	47.44	-84	10	58.69	-1.699	-12.36	10	46.3326	6.58	-4.27	+0.3843	26	45.0
16	16	10	27.4	52	26.4														
10	10	10	46.4	52	20.87														
17	17	17	22.7	50	12.5	8.8	47.79	8.584	18	5.69	-1.577	-13.46	17	52.2311	34.67	-3.65	+0.3394	11	57.6
17	17	17	29.8	50	11.2														
17	17	17	52.5	50	2.390														
20	20	20	29.7	53	28.2	8.1	47.45	7.884	21	6.35	-1.778	-11.65	20	54.7027	18.54	-3.40	+0.30.60	27	49.1
20	20	20	25.8	53	26.9														
20	20	20	55.5	53	19.41														
27	27	27	2.3	53	11.0	8.9	47.80	8.984	27	11.22	-1.770	-11.72	27	29.5012	15.29	-2.83	+0.25.47	12	40.8
27	27	27	26.0	53	1.0														
27	27	27	28.3	53	10.0														
27	27	27	19.54	53	19.54														
27	27	27	59.06																
27	27	27	59.78																
27	27	27	59.78																
31	31	31	56.7	52	5.3	9.4	47.48	9.584	32	36.68	-1.703	-12.32	32	24.384	8.07	-2.40	+0.21.60	4	29.6
32	32	32	29.3	52	-0.8														
32	32	32	24.0	52	4.5														
32	32	32	20.74	52	20.74														
32	32	32	52.7	52	14.5	8.8	47.54	9.184	32	39.06	-1.713	-12.23	32	26.8314	8.90	-2.40	+0.21.60	14	30.5
32	32	32	27.1	52	0.8														
32	32	32	21.8	52	13.7														
32	32	32	20.75	52	20.75														
33	33	33	18.9	51	5.3	7.5	47.48	-84	34	0.34	-1.644	-12.85	33	47.493	14.09	-2.28	+0.20.52	3	35.0
33	33	33	28.8	51	0.8														
33	33	33	47.4	51	4.5														
33	33	33	22.34	51	22.34														
36	36	36	9.5	53	21.8	8.9	48.92	8.885	36	50.67	-1.788	-12.84	36	37.5320	38.26	-2.03	+0.20.30	20	58.7
36	36	36	25.7	53	0.7														
36	36	36	35.2	53	21.1														
36	36	36	19.68	53	19.68														
38	38	38	43.9	53	24.0	9.0	47.48	9.084	38	23.98	-1.793	-11.51	38	12.4824	55.96	-1.90	+0.17.10	25	13.1
38	38	38	25.5	53	0.7														
38	38	38	9.4	53	23.3														
38	38	38	19.73	53	19.73														
40	40	40	19.5	51	41.4	8.4	47.80	8.884	40	1.18	-1.685	-12.48	39	48.7040	86.06	-1.76	+0.15.84	41	11.9
40	40	40	22.7	51	0.6														
40	40	40	47.2	51	40.8														
40	40	40	22.48	51	22.48														
42	42	42	18.3	50	11.2	7.8	47.55	-84	43	1.11	-1.602	-12.23	42	47.8813	46.37	-1.49	+0.13.41	13	59.8
42	42	42	29.4	50	0.5														
42	42	42	47.7	50	13.7														
42	42	42	24.62	50	24.62														
43	43	43	53.3	49	48.4	8.9	47.49	8.784	43	36.28	-1.577	-13.46	43	22.7647	3.87	-1.45	+0.12.76	47	16.8
43	43	43	28.9	49	0.5														
43	43	43	22.2	49	47.9														
43	43	43	26.91	49	26.91														
46	46	46	50.3	49	57.0	9.3	47.86	9.284	46	33.62	-1.587	-12.26	46	20.26					
46	46	46	29.5	49	0.4														
46	46	46	19.8	49	56.6														
46	46	46	26.97	49	26.97														
47	47	47	56.8	54	42.8	9.0	48.92	9.388	47	7.32	-1.880	-11.92	46	55.4036	12.57	-1.14	+0.11.40	86	24.0
47	47	47	23.7	54	0.4														
47	47	47	20.5	54	42.4														
47	47	47	19.13	54	19.13														
51	51	51	49.8	51	31.2	8.2	47.56	8.47284	52	21.52	-1.680	-12.53	52	17.24	16.53	-0.67	+0.6.03	28	59.3
51	51	51	27.8	51	0.3														
51	51	51	17.3	51	30.9														
51	51	51	22.81	51	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81														
52	52	52	29.77	52	29.77														
52	52	52	29.92	52	29.92														
52	52	52	17.3	52	17.3														
52	52	52	22.81	52	22.81					</									

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19.94	57.37	17	54	50.4	52	12.5	6.8	47	65	7.2	84	58	28.92	-1.725	-12.12	56	16.81	13	41.25	-0.4140369	13	45.4
			0	26.9		0.1																
			55	17.3	52	13.4																
					52	2119																
53.10	29.28		36	21.5	50	39.4	8.8	47	79	8.8	84	57	3.34	-1.630	-12.98	56	50.36	39	17.48	-0.2740249	59	19.9
48.48	32.12			28.8		0.1			103		8.7	57	3.48				50.4739		16.49			18.9
			56	50.3	50	39.3																
					50	2501																
29.46	36.89		36	52.2	50	34.4	9.2	47	51	9.2	84	57	36.58	-1.625	-13.02	57	23.56	33	26.67	-0.2240198	33	28.6
24.76	41.98			28.8		0.1			83		9.1	57	36.75				23.73	33	28.33			30.3
23.82	42.24		57	23.0	50	34.3						57	36.59				23.57	33	28.27			30.2
					50	2504																
11.30	12.14		57	32.3	51	14.4	9.0	47	57	9.0	84	58	20.21	-1.667	-12.64	58	7.60	16	1.27	-0.1640144	16	2.7
			58	5.6		-0.0																
					51	14.4																
					51	2299																
25.38	6.86		57	57.2	54	17.2	8.9	47	51	8.6	84	58	32.52	-1.859	-10.92	58	21.60	17	0.41	-0.1440126	17	1.7
22.18	10.98		0	24.2		0.0			80		8.7	58	32.43				21.51	17	2.21			3.5
			58	21.4	54	17.2																
					54	1932																
10.98	42.53	17	59	38.2	50	41.9	8.9	47	58	7.8	84	0	19.51	-1.633	-12.95	0	6.56	41	31.51	+0.2240005	41	31.4
10.52	42.24		0	28.7		0.0					8.1	0	19.43				6.48	41	30.91			30.7
		18	0	6.9	50	41.9																
					50	2513																
29.54	18.77	18	2	1.1	53	21.0	8.1	47	57	8.0	84	2	38.07	-1.797	-11.48	2	26.59	21	10.48	+0.2240198	21	8.2
29.36	17.74		0	25.4		0.0					8.1	2	38.28				26.80	21	8.78			21.68
			2	26.5	53	21.0																
					53	2026																
2.88	17.72	18	2	37.4	54	30.0	8.3	47	81	8.4	84	3	13.07	-1.874	-10.78	3	2.29	30	9.14	+0.2720205	30	6.7
			0	23.9		0.1																
			3	1.3	54	30.1																
					54	1940																
4.66	44.59	18	4	36.2	52	53.0	8.7	47	58	8.5	84	5	13.17	-1.767	-11.74	5	1.43	58	36.05	+0.450405	53	32.0
4.24	44.43		0	26.0		0.1					9.0	5	13.14				1.4058		35.38			31.3
			5	2.2	52	53.1																
					52	2146																
16.70	54.55	18	7	18.7	54	31.2	8.0	47	51	8.0	84	8	23.76	-1.875	-10.77	8	12.99	31	48.49	+0.720448	31	42.0
14.88	59.00		0	23.9		0.2			59		7.2	8	23.55				12.58	31	57.83			45.4
14.58	58.81		8	12.6	54	31.4			60		8.2	8	23.46				12.69	31	57.50			44.8
					54	1951																
34.03	3.23	18	8	1.1	58	27.6	9.3	47	100	9.8	85	8	35.55	-1.803	-12.69	8	26.86	27	50.65	+0.7500750	27	42.5
36.38	13.60		0	25.4		0.2			49.3	9.2	95.85	8	39.06				27.04	25.62	27.13			27.53.6
38.90			8	26.5	53	27.8						8	39.78									
					53	2043																
8.96	40.91	18	8	33.3	51	7.6	8.6	47	102	9.2	85	9	13.25	-1.825	-14.59	9	14.84	27	9.36	+0.8004000	27	44.6
12.55	47.11		0	28.3		0.2			49.11	9.0	85	9	13.67	-1.759	-14.13	9	15.79	27	14.14	+0.8004000	27	44.6
14.83			9	1.6	51	7.8																
					51	2331																
10.00	47.44	18	10	32.3	52	29.5	9.3	47	59	9.4	84	11	18.83	-1.740	-11.99	11	6.84	39	37.19	+0.980882	39	28.7
13.29			0	26.6		0.3			49.3	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
15.35									49.6	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
16.88			11	5.9	52	29.7			49.9	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
18.93					52	2171			49.6	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
14.68									49.9	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
		18		32.1					49.9	8.5	85	11	17.12	-1.739	-11.99	11	6.93	39	37.20	+0.980882	39	28.7
5.10	58.48	18	21	29.2	49	56.2	9.2	47	82	9.3	84	22	14.92	-1.583	-12.40	22	1.65	56	45.60	+1.9401246	56	25.1
			0	29.6		0.6																
			21	58.8	49	56.8																
					49	2789																
34.86	10.29	18	25	9.7	54	57.2	9.2	47	81	9.3	84	25	44.82	-1.895	-10.59	25	32.23	58	2.53	+2.2403016	57	42.4
			0	23.5		0.7																
			25	58.2	54	57.9																
					54	1998																

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3 20.1	57.50	20.85	19	24	28.0	52	52.2	8.7	4788	9084	25	9.40	-1.649	-12.81	24	56.59	56	9.26	+7.27	-1.543	55	3.8			
				0	28.4	52	2.4																		
				24	56.4	52	54.7																		
						52	2436																		
	32.02	29.89	27	24	28.0	52	18.5	8.8	47101	9084	27	4.534	-1.608	-13.18	27	32.16	22	16.81	+7.48	-1.732	21	9.5			
				0	29.2	52	2.4																		
				27	31.6	52	20.9																		
						52	2442																		
	21.22	24.61	29	50.7	51	43.4	2.6	8.6	47105	8884	30	3.530	-1.567	-13.54	30	21.76	47	10.45	+7.71	-1.939	46	1.1			
				0	50.1	51	2.6																		
				30	20.8	51	46.0																		
						51	2620																		
	53.18	31.07	32	22.3	51	45.5	2.6	8.4	47101	-84	33	6.44	-1.562	-13.59	32	52.85	49	17.72	+7.92	-1.1128	48	6.4			
				0	30.1	51	2.6																		
				32	52.4	51	48.1																		
						51	2628																		
	53.14	81.57	33	22.5	51	38.0	2.6	8.9	47105	8984	34	7.19	-1.552	-13.68	33	53.51	42	17.50	+8.00	-1.1200	41	5.5			
				0	30.4	51	2.6																		
				33	52.9	51	40.6																		
						51	2634																		
14 3.8	58.91	16.83	35	13.5	54	20.1	2.7	9.0	494	9185	38	1.35	-1.913	-13.59	34	47.74	28	6.69	+8.07	-1.2070	26	46.0			
	22.73	0.42	0	27.3	54	2.7			4910	8885	35	24.04	-1.905	-13.67	35	10.37	21	4.917	+8.10	-1.2100	20	28.2			
				35	40.8	54	22.8																		
						54	2190																		
	34.47	57.78	36	4.2	51	42.7	2.7	8.9	47106	8884	36	28.50	-1.548	-13.72	36	34.78	46	46.67	+8.21	-1.1389	45	32.8			
				0	30.5	51	2.7																		
				36	34.7	51	45.4																		
						51	2654																		
358 27.3 26.9	51.00	26.40	42	19.6	51	18.4	2.9	8.2	47108	7584	43	4.97	-1.508	-14.08	42	50.89	23	12.29	+8.71	-1.1839	21	53.9			
				0	31.3	51	2.9																		
				42	50.9	51	21.3																		
						51	2678																		
	56.02	9.29	47	25.5	53	26.5	3.0	9.0	4791	8784	48	7.72	-1.610	-13.16	47	54.54	30	58.99	+9.11	-1.2199	29	37.0			
				0	29.2	53	3.0																		
				47	54.7	53	22.5																		
						53	2309																		
	53.48	45.21	49	18.0	50	41.1	3.0	8.1	4792	8084	50	5.20	-1.451	-14.59	49	50.61	45	82.06	+9.26	-1.2334	44	8.7			
				0	32.4	50	3.0																		
				49	50.4	50	44.1																		
						50	2912																		
	42.92	37.52	50	17.8	50	51.0	3.1	8.9	4792	8684	50	54.63	-1.456	-14.54	50	40.09	54	24.38	+9.22	-1.2388	53	0.5			
				0	32.3	50	3.1																		
				50	40.1	50	54.1																		
						50	2916																		
	56.46	88.82	51	20.7	50	35.9	3.1	8.7	4792	8484	52	8.17	-1.440	-14.69	51	53.48	40	20.41	+9.42	-1.2478	38	55.6			
				0	32.6	50	3.1																		
				51	53.3	50	89.0																		
				19	54	11.4																			
	9.29	41.67	56	46.3	50	35.3	3.2	9.2	4937	9198	57	36.04	57	37.58	57	14.21	14.22	19.52	21.03	40	15.70	-49.84	38.40	38	37.2
				0	33.0	50	3.2																		
				57	19.5	50	38.5																		
						50	2954																		
	32.09	30.89	57	48.1	52	32.3	3.3	8.4	4919	8785	58	30.28	-1.527	-15.45	58	14.83	44	16.16	+9.90	-1.3900	42	37.2			
	33.08	53.99	0	30.9	52	3.3			4925	8885	58	6.36	-1.528	-15.44	57	50.92	43	30.50	+9.87	-1.3870	41	51.8			
				58	14.0	52	42.6																		
						52	2602																		
	12.58	46.82	57	47.0	52	52.8	3.3	9.3	47102	8584	58	30.41	-1.546	-13.73	58	17.68	4	84.76	+9.90	-1.3910	3	5.7			
				0	30.6	52	3.3																		
				58	17.6	52	8.1																		
						52	2604																		
	37.36	32.44	59	13.8	50	45.8	3.3	9.5	4794	8584	59	48.99	-1.422	-14.85	59	34.14	50	19.54	+10.00	-1.3000	48	49.5			
				0	33.0	50	3.3																		
				59	36.8	50	43.1																		
						50	2964																		

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1883phae.proj.1707.	h	m	c																	
1883phae.proj.1707.	5206	0	37.9	50	51.0	9.2	47.76	-84	1	25.92	-1420-1487	1	11.0654	52.86	+10.13	-131.17	53	23.7	1	
1883phae.proj.1707.	654	0	33.0	+	3.3		94	9.2	1	25.68			10.8154	54.42				23.3	2	
1883phae.proj.1707.	1	10.9	50	54.3						79			9.2						2	
1883phae.proj.1707.			50	2975																
1883phae.proj.1707.	4284	10.6	51	18.1	8.6	49.18	8885	4	52.28	-1.431-16.41	4	42.87	23	48.88	+10.39	-1.4390	22	5.0	1	
1883phae.proj.1707.	1190	0	33.8		3.4	49.23	8485	4	52.48			43.07	23	47.18			22	3.3	1	
1883phae.proj.1707.	12414	43.4	51	21.5		49.37	8485	4	52.38			42.97	23	46.22			22	3.0	1	
1883phae.proj.1707.			51	2774																
1883phae.proj.1707.	3208	5	4.9	52	29.4	8.1	47.94	8084	5	51.63	-1.490-14.24	5	36.78	34	21.92	+10.46	-1.3414	32	47.8	1
1883phae.proj.1707.	3407	0	31.6		3.5	103	78	5	51.23			36.99	34	22.01			32	47.9	1	
1883phae.proj.1707.	5	36.5	52	32.9																
1883phae.proj.1707.			52	2636																
1883phae.proj.1707.	2324	5	45.9	50	32.1	8.6	44.41	8083	6	33.47	-1.404-13.34	6	20.13	58	56.22	+10.51	-1.3408	57	32.1	2
1883phae.proj.1707.	2178	0	33.3		3.5	50	90	6	33.64			20.30	58	63.58			57	29.5	2	
1883phae.proj.1707.	6	19.2	50	57.6																
1883phae.proj.1707.			50	2997																
1883phae.proj.1707.	22088	19.2	51	54.1	8.7	47.103	8284	9	7.79	-1.444-14.65	8	53.1456		8.86	+10.70	-1.3630	34	32.6	1	
1883phae.proj.1707.	0	32.5		3.5																
1883phae.proj.1707.	8	51.7	51	54.6																
1883phae.proj.1707.			51	2795																
1883phae.proj.1707.	51241	44.0	54	45.9	8.9	47.103	8884	12	26.88	-1.591-13.33	12	13.55	51	41.26	+10.95	-1.3855	50	2.7	1	
1883phae.proj.1707.	0	29.6		3.6																
1883phae.proj.1707.	12	13.6	54	49.5																
1883phae.proj.1707.			54	2316																
1883phae.proj.1707.	296	12	35.6	54	40.5	9.2	47.95	939084	13	14.57	-1.581-13.42	13	21.5	45	23.2	+11.00	-1.3900	43	23.3	1
1883phae.proj.1707.	0	29.8		3.6								14.6	21.5	45	23.2					
1883phae.proj.1707.	13	5.4	54	44.1								14.6	21.5	45	23.2					
1883phae.proj.1707.			54	2320																
1883phae.proj.1707.	338416	32.6	52	38.7	9.2	47.104	-84	17	13.15	-1.453-14.57	16	58.58	44	48.58	+11.29	-1.4661	43	2.0	1	
1883phae.proj.1707.	0	32.4		3.7																
1883phae.proj.1707.	17	5.0	52	42.4																
1883phae.proj.1707.			52	2687																
1883phae.proj.1707.	322516	42.8	53	57.4	9.4	44.52	8588	17	48.95	-1.522-12.40	17	36.55	5	11.06	+11.34	-1.3072	3	40.3	1	
1883phae.proj.1707.	3985	0	31.0		3.7	51	93	17	31.29			18.53	34.74	+11.31	-1.3048	2	4.3	1		
1883phae.proj.1707.	17	18.8	54	1.1								14.9								
1883phae.proj.1707.			53	2386																
1883phae.proj.1707.	525578	49.2	54	28.0	7.3	49.15	2085	19	30.94	-1.541-15.31	19	15.63	32	46.60	+11.46	-1.5260	31	49.3	1	
1883phae.proj.1707.	5687	0	30.7		3.8	49.19	2085	19	34.80			19.49	33	44.93			31	50.3	1	
1883phae.proj.1707.	19	19.9	54	31.8																
1883phae.proj.1707.			54	2389																
1883phae.proj.1707.	1324	26	41.1	53	36.6	9.4	49.16	9085	26	41.00	-1.461-16.11	26	24.89			+11.99	-1.5920		40	1
1883phae.proj.1707.	1324	0	32.3		3.9	49.20	95-85	27	3.09	-1.5939-14.58	27	46.95	43.26	42.2			40	53.4	1	
1883phae.proj.1707.	26	46.4	53	40.5																
1883phae.proj.1707.			53	2424																
1883phae.proj.1707.	422527	38.2	51	19.0	9.0	44.53	9883	28	26.27	-1.363-13.67	28	12.60	58	14.67	+12.09	-1.3672	56	38.0	1	
1883phae.proj.1707.	0	34.3		4.0																
1883phae.proj.1707.	28	12.5	51	53.0																
1883phae.proj.1707.			51	2885																
1883phae.proj.1707.	533729	40.1	52	19.9	7.3	47.96	-84	30	29.38	-1.376-15.26	30	14.12	25	43	+12.23	-1.5007	24	3.2	1	
1883phae.proj.1707.	0	33.9		4.1																
1883phae.proj.1707.	30	14.0	52	24.0																
1883phae.proj.1707.			52	2749																
1883phae.proj.1707.	433780	45.6	51	52.4	9.5	49.20	958885	31	38.00	-1.350-13.44	31	20.78	25.43	59	+12.31+12.32	-2.310-2.310	57	57	1	
1883phae.proj.1707.	0	34.4		4.1																
1883phae.proj.1707.	31	20.0	51	57.5																
1883phae.proj.1707.			51	2898																
1883phae.proj.1707.	266233	34.0	50	35.4	8.8	49.16	9085	34	28.44	-1.276-17.96	34	10.48	42	12.50	+12.51	-2.510	40	7.4	1	
1883phae.proj.1707.	33060	35.9		4.2		49.22	8985	34	28.65			10.67	42	7.49			40	2.4	1	
1883phae.proj.1707.	4284	29.9	50	39.6		49.41	8485	35	48.57	-1.279-17.93	35	30.64	53	16.43	+12.60	-2.600	57	10.4	1	
1883phae.proj.1707.	112434	44.7	52	28.9	9.3	44.55	9283	35	32.61	-1.360-13.70	35	16.77	34	46.28	+12.58	-1.4064	38	5.6	1	
1883phae.proj.1707.	16850	34.3		4.2			95	35	32.77			16.77	34	48.51			33	7.9	1	
1883phae.proj.1707.	85	19.0	52	33.1																
1883phae.proj.1707.			52	2768																

1765 22.94	20	35	45.6	52	50.5	9.0	49.48	88.85	36	35.74	-1.572-1700	26	18.74	55	58.06	+12.65	-2.650	53	51.6	
		+0	34.0	+	4.2															
		36	19.6	52	54.7															
				52	2773															
12.68 44.98	38	0	42.3	51	49.9	8.5	49.41	88.85	39	35.93	-1.310-1762	39	18.74	56	58.06	+12.85	-2.850	54	51.6	
		39	33.3	51	49.9															
			17.6	51	54.2															
				51	2981															
42.80 28.69	42	0	49.4	50	44.9	9.0	44.55	90.83	43	41.87	-1.219-1482	43	27.05	20	58.15	+13.13	-1.15.04	19	13.1	
		43	37.0	50	44.9															
			26.4	50	19.2															
				50	3197															
7.13 58.04	50	0	50.4	53	57.1	9.0	49.24	91.85	51	42.37	-1.358-17.22	51	25.15	3	36.22	+13.65	-2.16.50	1	19.8	
27.74 5.66		51	34.4	53	57.1		49.51	93.85	51	42.38			25.16	3	40.68			1	24.2	
			24.8	54	1.6															
				53	2517															
40.82 14.51	53	0	28.1	54	58.0	9.0	49.24	89.85	54	15.99	-1.388-16.84	53	59.15	4	55.65	+13.81	-2.18.10	2	37.4	
43.76 14.01		53	33.7	54	58.0		49.26	90.85	54	16.12			59.24	4	53.74			2	34.6	
			56.8	55	2.6															
				54	2451															
56.79 5.53	20	55	87.6	54	57.7	9.0	49.27	90.85	56	29.12	56.491-1.375-1.374	56	12.15	17.93	4	39.67	+13.95+13.8	2	2	
58.87 5.27		0	34.0	54	57.7		49.29	90.88	56	28.66	56.467-1.697-1.698	56	11.69	17.69	4	38.14	516.57	18.4	57.0	
58.82 5.80		56	11.6	55	2.8		49.33	93.90	56	28.61	56.466		11.64	17.68	4	39.94	517.07	20.4	57.5	
7.32 39.79				54	2465															
36.99 34.18	21	3	85.4	58	1.4	9.3	49.27	93.91	4	9.22	430.57-1.238-1.236	58.88	12.15	8	9.20	+14.43+14.48	5	6		
28.97 1.31		0	36.7	58	1.4		49.33	92.94	4	12.74	430.57-1.834-1.836	54.40	12.23		8.20	37.78	-2.21.30-2.21.30	44.9	13.2	
3.86 17.96		4	12.1	53	6.2		49.38	85	4	30.78	-1.236-1.836	12.42	8		8.20	52.40	-5.27.9	6	15.0	
4.96 4.00				53	2557															
16.58 19.68	7	0	7.7	50	3.0	9.2	44.36	92.83	8	3.48	-1.093-15.83	7	47.65	9	49.56	+14.66	-1.57.28	7	52.3	
		7	39.5	50	3.0															
			47.2	50	7.8															
				50	3279															
38.36 40.79	11	0	57.9	51	55.8	8.7	49.41	85.87	12	48.06	12.5468-1.192-1.190	29.74	53.62	3	14.19	+14.94	-2.29.40	52	44.8	
38.36 40.79		12	30.4	52	0.7						-1.930-1.932							0		
				51	3026															
17.78 51.08	13	0	18.0	49	54.7	9.4	44.02	93.83	14	21.08	-1.055-16.14	14	4.94	1	19.89	+15.03	-2.0.24	59	19.2	
		13	40.8	49	54.7															
			58.8	49	59.7															
				49	3495															
		14	38.6	52	58.5	8.8														
		0	38.0	50	5.0															
		15	16.6	53	3.5															
				52	2907															
38.58 52.48	14	0	16.4	52	42.5	9.0	44.02	93.83	15	42.01	-1.158-15.31	15	26.70	49	23.24	+15.11	-2.0.88	47	22.5	
		15	38.3	50	5.0															
			24.7	52	47.5															
				52	2908															
58.96 53.71	15	0	15.4	52	42.6	7.7	45.15	81.83	16	9.87	-1.156-15.33	15	54.54	49	37.16	+15.14	-2.1.12	47	36.0	
		15	38.3	50	5.0															
			53.7	52	47.6															
				52	2915															
55.64 21.85	16	0	54.0	50	11.9	9.2	44.03	97.89	17	58.91	18.36-1.045-1.044	17	52.15	16	50.31	+15.24+15.25	14	16		
57.10 12.51		17	18.5	50	5.0						-1.622-1.621							14	16	
			34.5	50	16.9													46.4	39.6	
				50	3318															
24.24 22.62	17	0	89.6	51	40.8	8.5	45.15	85.88	18	35.02	37.15-1.100-1.101	18	19.24	21.38	47	54.73	+15.27+15.28	45	46	
26.36 46.19		18	89.4	51	40.8						-1.678-1.677	18	29.50				17.30	-2.21.16-2.21.16	52.6	15.1
33.90			19.0	51	45.9															
				51	3650															
25.10 56.16	21	0	48.6	49	53.0	9.3	49.34	94.85	22	52.11	-1.009-20.63	22	31.48	0	28.08	+15.51	-2.35.10	57	54.0	
26.63 55.44		22	41.2	49	53.0		49.38	91.85	22	52.17			31.54	0	28.03			57	52.9	
			29.8	49	58.1															
				49	3524															

[illegible]

1883phae.proj.1

4546 23.04	22	19	55.2	49	53.7	9.4	4940	9589.85	21	8.56	21.55	-24.05 -24.09 21	50°	56.92	+18.21	-3.240	58.9	64.9	—	
4926 25.63	+	0	48.0	+	6.0		4943	9585	21	8.56		-667 -663 44.51	21.42	58.48			59	56.4		
		20	43.2									-668 -24.04	20	44.52						
32.80	14.77	30	27.1	54	21.3	8.9	4513	—	83	31	29.34	31.3340	31	31.1448	29.4333	-2.28.56	27	27.44	—	
12.92	2.07	0	47.1		6.1		22				27.56	27.77	10.42	16.66	14.76	+18.57				
19.88	35.60						23	8985			27.45	31.3340	10.53	14.47	30.28	33.78	25	5.24	—	
23.24	58.78	31	14.2	54	27.4						29.15	31.3340	10.53	14.47	30.28	33.78	25	47.4	7.8	
11.16				54	28.8		4943	8785	31	30.16			31	6.50	15.93		3	5.70	—	
16.86	36.43							9072			31.94	31.3340	10.53	14.47	30.28	33.78	25	8.3	47.2	
17.47	15.36						4951	8785	31	32.08			31	8.42	28.13	18.57	3	5.70	25	
23.88	49.50						4963	8785	31	34.98	38.10	-706 -23.66	14.44	11.94	30	25.16	22.45	27	14.5	
30.10	43.65						4478	—	83	31	28.97		-707 -18.92	10.05	28	15.83	-2.28.56	25	47.3	
16.02	3.33	31	16.8	50	15.9	8.5	4523	—	83	32	26.05	-603 -19.75	32	630.24	30.40	+18.60	-2.28.80	22	1.6	
		0	49.3		6.2															
		32	6.1	50	22.1															
				50	37.69															
27.57	28.90	31	27.5	53	34.1	9.3	4955	9285	32	39.02	-677 -23.95	32	15.07	40	3.82	+18.61	-3.610	96	57.7	
34.83	27.98	0	47.8		6.2		4958	9285	32	41.88	-678 -23.94	32	17.94	44	2.88			40	56.8	
		32	15.3	53	40.3															
				53	29.34															
17.84	52.65	32	22.9	54	49.0	9.0	4458	9483	33	34.29	-703 -18.95	33	15.34	57	26.06	+18.64	-2.29.12	54	56.9	
36.90	51.07	0	47.2		6.2			9.2	33	34.24			15.29	57	26.09			54	55.8	
		33	15.1	54	53.2															
				54	28.24															
2.04	53.56	40	2.3	51	20.3	8.0	4523	7583	41	11.95	-567 -20.04	40	51.91	29	22.26	+18.57	-2.30.96	26	57.3	
		0	49.9		6.3															
		40	52.2	51	26.6															
				51	34.64															
18.61	16.82	41	47.1	51	12.3	7.8	4523	7583	42	58.00	-552 -20.16	42	37.84	21	44.42	+18.93	-2.31.44	19	12.0	
48.04	16.11	0	50.3		6.3			7.7	42	57.91			37.75	21	44.19			19	12.7	
		42	37.4	51	18.6															
				51	34.71															
2.26	11.45	42	47.4	53	39.2	6.0	44.47	6083	43	56.19	-596 -19.81	43	38.38	47	45.28	+18.95	-2.31.60	45	14.2	
		0	49.4		6.3															
		43	36.8	53	45.5															
				53	29.93															
51.52	41.66	45	39.7	52	25.3	7.9	44.79	7783	46	50.44	-549 -20.18	46	30.26	34	12.48	+19.04	-2.32.32	31	40.2	
		0	50.3		6.3															
		46	30.0	52	31.6															
		22	47	23.8	52	33.2														
				52	33.2															
45.88	58.48	48	39.6	50	12.9	8.8	44.79	8583	49	44.45	-487 -20.68	49	23.77	20	26.72	+19.11	-2.32.88	17	53.8	
45.42	58.28	0	51.6		6.3			8.7	49	44.29			23.61	20	26.08			17	53.2	
		49	31.2	50	19.2															
				50	38.1															
		22	53	7.2	50	38.1														
				See p. 24																
20.10	7.12	53	14.0	50	44.4	8.2	457	9588.83	54	25.62	54.2256	20.86	54	54	34.59	3+19.23	-2.33.84	49	0.8	
12.02	2.60																			
9.88	50.68	0	52.0		6.4		59	8.8	54	27.72	-465 -20.86	54	47.7	6.70	51	19.05	50	45.2		
8.59	51.59	54	6.0	50	50.8				54	27.46						19.79	50	46.0		
				50	39.00															
55.86	0.26	22	57	52.3	51	20.6	8.9	4536	8383	59	8.44	-442 -21.04	58	47.40	29	39.76	+19.35	-2.34.80	26	55.0
		0	52.4		6.4															
		58	46.7	51	27.0															
				51	35.34															
3.56	58.04	23	4	52.7	52	10.7	9.3	4968	9285	6	9.53	-405 -26.67	5	42.86	22	32.45	+19.50	-3.18.00	19	17.4
4.38	52.04	0	53.2		6.5		4965	9296.85	5	9.34	6.13.95	412	-405	42.74	47.28	25.93	+19.48	-3.14.80	19	11.1
9.48		5	46.9	52	17.2															
				52	33.85															
59.58	51.95	7	57.0	53	47.2	9.3	4587	8883	9	12.02	-405 -21.34	8	50.48	56	22.77	+19.56	-2.36.48	53	46.3	
		0	53.2		6.5															
		8	50.2	53	53.7															
				53	37.05															

1883phae.proj.1707.

22.29	23.65	11	18.2	53	38.1	8.5	4537	8483	12	3466	-376-21.57	12	13.09	47	10.68	+19.62	-236.96	44	33.6	9.12		
	0		53.8	+	6.5																	
	12		12.0	53	44.6																	
				53	312.2																	
44.4	22.07	11	58.7	53	22.0	9.2	4956	9092.85	12	55.44	27.02-27.06	12	12			+19.63	-316.30	25	51.6	8		
	0		53.9		6.6																	
	12		52.6	53	28.6																	
				53	312.7																	
24.40	53.67	13	15.0	54	55.3	9.3	4538	96.83	14	36.61	-378-21.55	14	15.06	3	26.60	+19.66	-237.28	0	49.3	2		
16.96	53.45	0	53.7		6.6			95.86	14	29.32	36.13	-379+378	7.78	14.58	5	7.11	26.89	2	29.8	49.6		
23.76	54.20	14	8.7	55	1.9							-21.54-21.55										
				54	295.2																	
54.42	42.78	13	54.3	53	47.8	8.8	4560	88.83	15	10.00	-359-21.70	14	48.30	56	12.25	+19.67	-237.36	53	35.9	53		
52.64	37.01	0	54.1		6.6		4546	92.86	15	6.65	9.63		44.95	47.93	59	9.14	56	14.57	56	31.8	37.2	
55.0	45.81	14	48.4	53	54.4																	
				53	313.9																	
46.66	55.23	16	11.2	50	14.1	9.0	4539	92.83	17	28.90	-299-22.18	17	6.72	23	23.33	+19.71	-237.68	20	45.6	1		
	0		53.2		6.6																	
	17		6.4	50	20.7																	
				50	402.6																	
50.72	50.11	16	48.8	52	10.6	9.0	4559	92.83	18	9.20	-316-22.95	17	47.15	19	20.07	+19.72	-237.76	16	42.3	4		
55.38	52.52	0	54.9		6.6		4546	91.83	18	9.32			47.27	19	23.34			16	45.6	3		
		17	43.2	52	17.2																	
				52	343.0																	
24.78	28.79	17	20.4	54	57.8	9.2	4539	93.83	18	37.07	-344-21.82	18	15.25	1	0.66	+19.72	-237.76	58	22.9	8		
	0		54.4		6.6																	
	18		14.8	54	58.4																	
				54	296.7																	
8.64	25.67	20	57.9	54	48.0	9.5	4760	96.85	22	14.78	-314-27.58	21	47.20	58	3.20	+19.78	-317.80	54	45.4	3		
18.83	50.81	0	54.9		6.6		4963	98-85	22	14.60	21.56-48	312-315	52.00	28.91	52	4.14	-19.78	19.77	317.80	317.76	26.3	—
		21	46.8	54	54.6							-27.60-27.57										
				54	298.0																	
24.90	26.49	24	21.5	54	56.2	9.0	4560	-83	25	29.57	-287-22.28	25	17.29	6	8.79	+19.83	-238.64	3	30.2	3		
24.16	27.13	0	53.5		6.6		85.93	25	39.57	24.28		17.29	20.60	6	8.73	636.94		3	30.1	58.3		
24.48	26.63	0																				
23.00	25.14	25	17.0	55	2.8		4547	87.87	25	36.86	25.92		14.58	16.78	5	58.21	35.43	3	19.6	256.8		
25.42	25.58			54	299.8																	
2.86	23.92	26	0.3	52	59.7	8.5	4562	87.83	27	21.17	-255-22.54	26	58.63	8	33.14	+19.85	-238.80	5	54.3	6		
54.10	50.20		56.1		6.6		4548	78.83	27	7.89			26	45.35	7	22.09		4	43.3	4		
		26	56.4	53	6.3																	
				52	347.1																	
14.19	33.42	26	14.4	52	16.5	9.0	4951	94.91	27	26.29	27.22	-247-246	58.04	10.98	—	26.00	+19.85	-318.50	—	51.0	2	
14.19	33.42	0	56.3		6.6		4956	89.91	27	39.20	25.96	-28.25-28.26	10.95	57.70	26	11.74	+19.85	-318.50	22	53.2	8	
14.19	33.42	27	10.7	52	28.1		4960	92.88	27	32.66	27.90		9.41	10.77	25	40.27	26.55	+19.85	-318.50	22	21.8	49.0
				52	347.4																	
14.44	48.32	27	4.5	50	47.0	9.0	4549	92.88	28	24.37	28.36	-228-22.75	1.62	56.15	6	17.88	+19.86	-238.88	53	38.5	39.3	
14.44	48.32	0	56.7		6.6																	
		28	1.2	50	53.6																	
				50	407.7																	
27.10	38.22	27	5.3	50	28.8	9.3	4562	94.83	28	25.35	-225-22.78	28	2.57	38	6.94	+19.86	-238.88	35	28.1	58		
11.6	30.01	0	56.7		6.6		4548	94.83	28	25.40				2.62	37	59.05			35	20.2	59	
		28	2.0	50	35.4																	
				50	407.8																	
24.68	22.55	28	23.1	51	35.4	8.5	4561	82.83	29	42.94	-225-22.78	29	20.16	44	52.49	+19.88	-239.04	42	13.2	19		
	0		56.8		6.6																	
	29		19.9	51	42.9																	
				51	365.3																	
4.88	48.53	30	2.9	51	29.1	9.4	4561	94.83	31	23.34	-212-22.88	31	0.46	88	19.32	+19.90	-239.20	35	40.1	25		
4.88	48.53	0	57.0		6.6		±	90	31	23.36			31	0.28	88	18.14			35	38.9	4	
9.50	48.22	30	59.9	51	35.7		4547	88.83	31	23.21			31	0.33	88	18.54			35	39.3		
				51	366.7																	
4.12	50.93	30	55.1	51	52.5	8.1	4968	88.85	32	26.39	-208-25.64	31	51.75	2	39.70	+19.91	-319.10	59	20.6	31		
	0		57.1		6.6																	
	31		52.2	51	59.1																	
				51	367.1																	
	23	31	25	see	p. 24																	

9.12 53.23	31	45.8	54 51.5	9.0	44.67	8.783	23	4.85	-226	-22.77	32 4208	1	32.32	+1991	-23928	58	53.0		
+0	56.8		+ 6.6																
32	42.6		54 58.1																
			54 3020																
27.82 32.81	36	34.0	50 28.1	9.0	45.63	-83	37	55.90	-158	-23.31	87 3259	37	1.43	+1996	-23968	34	21.8		
0	58.1		6.6																
37	82.1		50 34.7																
			50 4133																
22.96 2.52	40	4.4	52 28.7	9.1	45.12	8.983	41	27.64	-143	-23.43	41 4213	37	33.80	+1999	-23992	34	53.9		
0	58.4		6.7																
41	218		52 85.4																
			52 3522																
41.22 1.12	43	24.3	54 18.7	8.9	49.52	9.085	44	52.94	-125	-29.47	44 23.47	28	40.85	+2001	-32010	25	20.8		
47.22 1.66	0	58.7	6.7		49.61	8.685	44	52.97			22.50	28	39.75			25	19.6		
44	23.0		54 25.4																
			54 3055																
14.29																			
15.24 24.71	44	50.2	52 22.1	8.8	49.65	8.686	46	18.09	49.914	-106	-29.66	45 45		+2002	-32020	28	40.4		
16.18 24.70		59.1	6.7		49.67	8.685	46	19.31					0.43			28	40.2		
45	44.8		52 28.8																
			52 3527																
45.26 35.23	45	17.2	53 28.3	9.0	45.11	8.59183	46	49.83	47.095	-106	-23.75	46 46	0	+2002	-32016	34	27.7		
6.12 6.23			6.7		63	8.9	47	11.06		-103	-23.75	46 47.31	37	45.83		35	47.57		
52.80 13.90	0	59.1	53 85.0		64	8.6	47	10.83				47.08	37	46.80		35	6.6		
52.90 15.29	46	46.3	53 3246																
52.03 32.15	49	14.1	53 15.5	9.0	49.71	9.285	50	52.40	-073	-29.99	50 24.41	26	9.46	+2004	-32040	22	49.1		
0	59.7		6.7																
50	15.8		53 22.2																
			53 3255																
35.56 21.98	52	11.4	50 1.6	7.2	44.11	73.83	53	36.15	-046	-24.21	53 11.94	10	52.63	+2005	-32040	8	12.2		
1	0.3		6.7																
53	11.7		50 8.3																
			50 4208																
54.62 18.55	52	50.2	49 52.7	8.5	49.70	8.485	53	53.00	-044	-30.28	53 24.72	11	23.97	+2005	-32050	8	3.5		
1	0.4		6.7																
53	50.6		50 5.4																
			49 4303																
56.16 39.01	53	28.5	50 0.3	9.0	45.70	9.483	54	18.61	-041	-24.25	53 54.36	6	8.31	+2005	-32040	3	27.9		
49.72		0.5	6.7		49.70	8.995	54	15.14	54 18.53		50.89	54.28							
20.27 31.32	54	29.0	50 7.0			8.885	54	20.64	-30.31		50.33	9	5.11		-32050	5	44.6		
			50 4215																
50.70 49.72	54	32.4	53 55.1	9.1	44.71	9.183	0	45.44	+074	-21.61	0 20.83	4	28.41	+2005	-32040	1	47.0		
51.58 33.81	1	1.3	6.7		89	8.8	0	48.75			24.14	4	30.82			1	50.4		
52.04 33.80	0	23.7	54 11.8				0	48.80			24.19	4	32.05			1	51.6		
58.35 23.01	54	11.4	52 19.5	9.0	49.12	8.985	54	58.11	-1.522	-15.50	54 42.61	24	8.37	+9.63	-136.30	22	32.1		
59.76 25.12	0	31.0	+ 3.2		49.19	9.185	54	58.01			42.51	24	9.09			22	32.8		
54	42.4		52 22.7																
			52 2583																
19.49 22	47	53.8	51 55.1	8.5	49.58	9.08785	48	26.26	48 48	-528	-526	0.82	15.27	5+1909	-310.90		1 58.5		
33.97 36.40	40	50.8	+ 6.3											9.39					
48	14.6		52 1.4																
			51 3499																
25.86 22	53	7.2	52 15.6	9.2	49.72	8.99285	54	25.85	55	-491	-487	59.24	38.09	25	15.08	-17.23	-310.30	22	28
4.76	+0	51.5	+ 6.4																
	53	58.7	52 22.0																
			52 3340																
31.76 23	31	25	50 26.6	8.0	49.75	8.085	32	27.97	-196	-28.76	31 59.23	36	19.86	+1991	-31910	33	0.8		
+0	51.3		+ 6.6																
31	59.8		50 33.2																
			50 4199																

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824	5090	2	28.8	50	32.7	94	4	24	730	8	3	48	+1.391+1785	3	56.37	50	29.6	✓	-10.31	-0	41.24	29	12.8
8.88	5479	+1	29.3	-	3.4				94	3	38.52				56.58	29	57.32	✓			29	16.1	
8	3	58.1		26.1	(50	1579)																	
8	8	50	25.9	27.3					730	4	40												
2.20	15.26	3	20.5	50	6.4	9.1	4	28	9.0	71	4	31.48	+1.365+17.75	4	49.23	50	2.0		-10.38	-0	41.52	1	36.1
		+1	28.7	-	3.4																		
8	4	49.2	50	9.8	50	1520																	
8	5	50	15.20	3.0																			
2.50	32.33	4	22.5	50	31.4	9.1	4	24	8.5	71	5	31.77	+1.383+17.80	5	49.59	50	28.3	✓	-10.45	-0	41.80	27	54.2
2.62	35.42	+1	29.7	-	3.5				8.8	5	31.96				49.78	28	38.41	✓			27	56.6	
8	5	51.6	50	24.9	(50	1522)																	
8	5	50	15.22	21.9																			
17.54	56.21	47	23.3	50	31.8	9.3	4	50	9.2	71	48	39	+1.200+17.09	48	47.09	50	27.5	✓	-13.46	-0	52.84	27	3.6
		+1	35.4	-	4.2																		
8	48	48.7	50	26.2	50	1592																	
8	48	50	15.92	21.4																			
30.89	10.32	48	35.7	50	46.0	9.5	4	50	9.5	71	49	52	+1.206+17.41	50	0.45	50	42.8	✓	-13.54	-0	54.16	42	18.7
		+1	25.6	-	4.5																		
8	50	50	15.94	41.5	50	1594																	
8	50	50	15.94	41.5																			
12.84	47.77	57	16.4	50	150	9.1	4	30	9.2	71	58	33	+1.141+16.85	58	42.09	50	11.3	✓	-14.09	-0	56.36	10	53.9
12.56	46.57	+1	24.3	-	4.7				9.3	58	25.24				58	41.95	11	49.35	✓			10	51.6
8	58	40.7	50	19.7	50	1610																	
8	58	50	16.10	10.3																			
5.50	31.88	3	11.4	52	8.4	9.1	4	68	9.2	71	4	26	+1.189+17.04	4	35.28	52	4.1	✓	-14.45	-0	57.80	3	37.2
		+1	25.2	-	4.8																		
9	4	26.6	52	12.2	(52	1379)																	
9	4	52	13.6																				
25.10	7.01					17.74			9.2	73	4	31	+1.189+8.52	4	35.37	52	3.9	✓	-14.46	-0	58.92	3	36.6
23.38	7.21	+1	25.2	-	4.8				9.0	4	26.85				35.37	4	4.47	✓			3	35.2	
6.64	5.70	7	15.3	50	27.0	9.5	4	32	9.6	71	8	27	+1.100+16.69	8	35.66	50	23.6	✓	-14.69	-0	58.76	23	9.7
6.62	5.73	+1	23.4	-	4.8				9.7	8	18.97				35.77	24	8.35	✓				9.8	
7	8	38.7	50	24.8	(50	1627)																	
7	8	50	16.27	22.2																			
25.04	35.23	9	33.2	50	48.4	9.5	4	32	9.7	71	10	46	+1.101+16.69	10	54.94	50	44.1	✓	-14.83	-0	59.32	43	35.9
25.72	38.25	+1	23.5	-	4.9				9.0	10	38.25				54.85	44	41.00	✓				43	41.7
9	10	56.7	50	53.3	(50	1628)																	
9	10	50	16.28	43.5																			
11.30	3.28	29	17.8	50	27.3	9.3	4	38	9.0	71	30	32	+0.980+16.21	30	39.71	50	22.6	✓	-15.94	-1	5.76	22	3.4
11.30	6.01	+1	21.0	-	5.3				8.7	30	23.50				39.84	23	9.57	✓				22	5.8
9	30	38.8	50	32.6	(50	1667)																	
9	30	50	16.67	22.0																			
39.49	49.42	36	47.8	50	0.2	9.4	4	40	9.4	71	37	0	+0.925+15.99	38	76.5	50	55.4	✓	-16.33	-1	5.32	54	46.9
39.51	48.33	+1	19.9	-	5.4				9.1	37	51.66				77.9	55	50.06	✓				44.7	
9	38	7.7	50	5.6	(50	1681)																	
9	38	50	16.81	4.9																			
10.66	56.92	38	16.3	50	6.1	9.5	4	40	9.7	71	39	31	+0.918+15.96	39	38.77	50	2.4	✓	-16.40	-1	5.60	1	55.0
10.56	52.85	+1	19.8	-	5.5				9.7	39	22.83				38.79	2	56.41	✓				1	50.8
9	39	86.1	50	11.6	(50	1684)																	
9	39	50	16.84	0.6																			
59.26	13.84	48	8.2	50	59.7	9.5	4	42	9.5	71	49	19	+0.884+15.84	49	27.18	50	54.7	✓	-16.88	-1	7.53	54	10.8
59.26	12.56	+1	19.2	-	5.6				9.2	49	11.34				27.29	55	16.88	✓				54	9.3
9	49	27.2	51	5.8	(50	1701)																	
9	49	50	17.01	54.1																			

$\times 9$ ~~4364~~ 4488 55 50.5 57 146 7.0 38.2 ~~4986~~ 4538 +1 18.6 -5.7 9 57 9.1 51 20.2 51 1572 8.9										$\times 9$ 760 9 57 11 79 77 57 15.43 +0.848-784 57 758 51 9.1 75 57 15.49 465 8 4797 ✓ 4867 ✓ -17.24 +0.2428 9 23.0 9 22.2										$\times 10$ ~~26.44~~ 298 +1 14.3 -6.1 38.8 760 10 26 54 26 77 26 5784 +0.643-743 26 5041 50 354 8.98 -1842 +0.2684 25 45.8 497																																							
$\times 11$ 1596 3735 2 2.4 49 516 9.5 3040 1698 4157 (49 2024)										$\times 11$ 98 75 3 1420 10.0 3 14.02 3 14.20 48 32.8 ✓ 1402 45 216 ✓ 45 39.2 45 42.2										$\times 12$ 5288 4485 5 9.4 58 264 9.0 590 +1 0.5 -6.7 12 6 7.9 53 22.7 53 1533 29.7										$\times 12$ 730 12 6 3 20 71 5 5756 -0.048+12.10 6 9.66 30 301 538 4660 -2.05 -1.2020 29 264 553 594																													
$\times 13$ 1730 5786 30 49.0 52 1.1 73 1464 +0 48.2 -6.2 13 31 37.2 52 7.3 52 1718 51 589										$\times 13$ 735 13 31 33 81 72 31 27.45 -0.664+722 21 3667 61 564 5743 -1848 -0.5544 55 560 391										$\times 13$ 190 847 41 29.9 51 31.0 90 14.60 +0 47.5 -6.0 13 42 17.4 51 25.0 408										$\times 14$ 4.34 4871 4 27.5 54 347 8.8 638 4.40 1.86 +0 42.0 -5.7 14 5 7.5 54 29.0 54 1650 29.0										$\times 14$ 730 14 5 7 88 71 5 2.74 -0.973+8.40 5 11.14 54 293 80 5 2.61 11.01 30 6.30 469 17.14 -1.8.56 28 56.1 28 57.7 557 554 568																			
$\times 14$ 2458 4688 45 37.0 53 0.2 73 28.6 24.54 4700 58 1744										$\times 14$ 735 14 5 7 88 71 5 2.74 -0.973+8.40 5 11.14 54 293 80 5 2.61 11.01 30 6.30 469 17.14 -1.8.56 28 56.1 28 57.7 557 554 568										$\times 15$ 1810 5204 30 38.3 52 0.3 87 1488 1870 5220 +0 34.2 -4.1 15 31 12.5 51 56.2 52 1883										$\times 15$ 735 15 31 10 80 72 31 7.42 -1.260+5.44 31 12.56 51 566 81 31 7.39 12.53 56 32.08 5208 -12.13 -0.2639 56 15.7 86 15.7 324 564										$\times 15$ 50.56 1120 32 12.5 55 6.2 6.0 1488 51.28 1186 +0 30.9 -4.1 15 32 43.4 55 10.3 55 1766 2.1										$\times 15$ 735 32 42 73 72 32 39.78 -1.531+4.62 32 44.35 53 2.9 63 32 39.84 44.46 3 15.16 44.71 -12.02 -0.2606 2 38.6 2 39.1 52 3.7									
$\times 15$ 35.70 2588 38 58.4 55 0.9 87 1488 36.28 2739 +0 30.2 -4.0 15 39 28.6 55 4.9 55 1773 54 56.9										$\times 15$ 735 39 27 89 72 39 24.83 -1.558+4.54 39 29.37 54 562 88 39 24.90 29.44 56 30.30 29.10 -11.54 -0.2464 55 54.5 55 55.7 13.7										$\times 15$ 38.48 2128 42 58.5 52 26.0 78 1488 39.14 2216 +0 32.7 -3.9 15 43 31.2 52 29.4 52 1905 22.1										$\times 15$ 735 43 30 88 72 43 27.71 -1.436+4.91 43 32.62 52 221 85 43 27.75 32.66 22 22.68 22.17 -11.25 -0.2375 21 48.4 21 48.9 454																													
$\times 15$ 32.02 2449 46 59.2 52 40.7 84 832 +0 32.0 -3.68 15 47 31.3 52 1911										$\times 15$ 730 47 27.71 80 71 47 25.65 -1.420+6.44 47 31.82 52 380 465 38 26.47 -10.96 -0.4384 57 47.4 23.52 41.7 284 296										$\times 16$ 24.26 2454 10 48.2 50 55.2 95 838 23.16 2584 +0 32.2 -3.0 16 11 10.4 50 58.2 50 2266 52.2										$\times 16$ 730 16 20 94 71 11 10.68 -1.463+6.44 11 23.12 50 531 95 11 16.57 23.01 53 23.91 ✓ 23.16 -9.16 -0.2664 52 47.5 52 47.3 164 500																													

Rep. of degree of local. shortness.

52.20	53.06	16 12 17.9	50 19.3 9.5	8 38	95 71	730 16 12 48	-1.435+6.55	12 51.25	50 54.80	-9.04	-0.36	16 15 15.4
		+0 32.7	-2.1									
		16 12 50.9	50 22.4	50 22.7								
49.76	52.43			7 54	95 71	730 12 48		12 51.25	50 54.80			15 18.6
52.78	29.73	16 13 20.0	50 22.4 9.1	7 54	95 71	730 13 51	-1.440+6.53	13 54.23	50 32.64	-8.96	-0.35	84 16 56.8
		+0 32.6	-2.9									
		16 13 52.6	50 25.3	50 22.6								
55.34	32.94			8 38	95 71	730 13 51	-1.442+6.52	13 54.28	50 31.89	-8.96	-0.35	84 18 56.0
59.42	34.01	+0 32.6	-2.9		85	13 47.85		54.37	19 31.58			18 55.7
39.18	30.56	16 14 9.4	50 51.7 9.5	7 54	95 71	730 14 37	-1.470+6.41	14 40.47	9 50 49.3	-8.90	-0.35	60 48 58.5
		+0 32.0	-2.9									
		16 14 41.4	50 54.6	50 22.7								
40.58	31.43			8 18	95 71	730 14 34.13		14 40.54	50 31.98			48 55.4
40.80	33.58				95	14 34.13		14 40.54	49 33.41			48 57.8
55.78	47.58	16 47 45.3	51 19 7.7	47.39	74.84	745 48 22	-1.570-13.52	48 15.46	50 0.75	-6.17	+0.53	58 56.3
55.44	46.70	+0 20.0	-2.2	39	74	48 28.95		15.48	57 59.29			58 54.8
56.96	44.81	16 48 15.8	50 59.7	40	76	48 29.15		15.63	57 59.37			58 52.9
				51 21.42								
59.16	44.12			23.66	86 74	745 17 9 22	-1.680+1.39	9 22.33	52 10.8	-4.39	-0.43	9 10 46.1
		+0 27.8	-1.4									
3.24	54.25	17 51 15.3	50 57.7 9.2	8 92	95 71	730 51 43	-1.648+5.70	51 43.26	50 58.2	-0.72	-0.28	
56.16	12.68	+0 28.5	-0.2	8 92	95 71	51 39.56						58 7.4
		17 51 43.8	50 57.9	50 24.84								
5.00	59.35	17 52 22.9	50 59.0 9.2	9 10	95 71	730 52 50	-1.648+5.70	52 52.86	50 54.48	-0.63	-0.25	57 52.0
5.22	59.46	+0 28.5	-0.2	8 92	95 71	52 47.01		52.71	54 55.00			57 52.5
3.74	56.25	17 52 51.4	50 58.2	50 24.87	95 71	52 47.05		52.75	57 54.47			57 52.0
13.74	21.04	18 2 40.1	53 60 9.2	48.99	-85	18 3 15	-1.781-12.91	3 8.55	53 10.62	+0.28	-0.42	8 6 7.8
		+0 25.8	+0.1									
		18 3 5.9	53 6.1	53 20.27								
45.48	13.01	18 5 11.9	51 50.2 9.5	48.99	91.85	870 5 46	-1.700-13.72	5 39.49	51 0.99	+0.50	-0.05	49 56.4
		+0 27.4	+0.2									
		18 5 39.1	51 50.4	51 23.14								
28.48	9.03	18 7 42.9	53 28.2 7.8	34.94	82.76	855 8 7	-1.804-1.27	8 6.60	53 16.38	+0.71	-0.07	28 15.7
29.62	7.99	+0 25.3	+0.1		80	8 7.86		8 6.59	28 15.37			14.7
		18 8 8.2	53 28.3	53 20.42								
16.40	51.90	18 40 8.8	51 16.4 8.9	12.96	95 71	730 40 35	-1.645+5.71	40 53.36	51 47.87	+3.49	-0.13	26 21 33.8
50.00	32.76	+0 28.6	+1.2		95	40 31.91	-1.641+5.72	40 37.63	16 27.48	+2.53	-0.14	12 16 13.4
		18 40 37.4	51 17.6	51 24.17								

4156	38.20	22	17	58.5	50	37.0	91	36.10	94	76	18	47.51	-0.699-2.87	18	45.14	50°	432	1288	+18.13	-0.18.13	43	1.8	
38.60	39.31	+0	47.5	+6.0					91	18	47.25				44.88	43	21.09				43	3.0	
		22	18	46.0	50	43.0	[50 3697]																
5048	1.77	22	18	46.0	50	43.0	[50 3697]	26.14	95	74	26	38.80	-0.663+2.41	26	41.21	51°	21.9	26.34	+18.41	+0.18.41	22	4.8	
4752	4.62	+0	48.4	+6.0					99	26	38.65				41.06	21	48.34				22	6.8	
		22	18	46.0	50	43.0	[50 3697]																
2764	48.66	30	17.5	54	46.7	9.5	40.50		90	77	31	9.81	-0.719-4.71	21	5.10	54°	53.1	25.61	+18.57	-0.37.14	52	47.9	
2926	48.81	+0	47.1	+6.2					90	31	9.59				4.88	53	25.07				52	47.9	
		22	31	4.6	54	52.9	[54 2819]	9.5															
2916	1.07	23	4	27.9	49	47.9	6.5	1.18	-70	28	8	26	-0.355+13.58	8	32.20	49°	55.5	41.49	+19.55	+1.37.55	56	19.2	
		+0	64.3	+6.5																			
		23	8	42.2	49	56.4	49	40.71															
3048	23.86	X23	7	37.3	53	0.0	8.1	12.14	82	71	8	25	-0.398+10.20	8	30.96	53°	6.9	11.04	+19.55	+1.18.20	6	29.2	
		+0	58.4	+6.5																			
		23	8	20.7	53	6.5	53	31.03															
5521	11.25	X23	20	44	49	56.0	9.0	1.2	-70	20	53	46.43	-0.271+14.00	21	0.43	50°	1.7	53.50	+19.76	+1.38.80	2	32.3	
		+0	58.9	+6.6																			
		23	21	0.3	50	2.6	49	41.22															
5691	13.81							1.48	9.070	20	46.69				21	0.69	50°	53.67				2	32.5
5701	13.12							1.10	9.070	20	46.91				21	0.91	50°	53.76				2	32.6
5455	11.90	23	21	23.9	51	42.5	9.5	49.75	93	85	22	50.94	-0.276-2.796	22	22.98	51°	50.2	46.52	+19.79	-3.17.90	48	28.6	
		+0	55.9	+6.6																			
		23	22	19.8	51	49.1	51	36.16															
5532	58.61	X23	23	2.5	49	58.4	8.2	1.30	87	70	23	51	-0.251+14.10	23	58.60	50°	4.5	39.54	+19.81	+1.39.05	5	18.6	
		+0	56.3	+6.6																			
		23	23	58.8	50	5.0	49	41.37															
5474	1.05							1.48	81.70	23	44.50				23	58.60	50°	40.84				5	19.9
4954	24.89							1.18	-70	24	38.79				24	52.89	50°	58.9	6.98	+19.82	+1.39.10	39	46.1
		+0	56.4	+6.6																			
1916	30.01	X23	24	26.7	49	59.1	8.5	1.48	79	70	25	16	-0.241+14.16	25	23.06	50	4.9	9.76	+19.82	+1.39.10	5	48.9	
		+0	56.4	+6.6																			
		23	25	28.1	50	5.7	49	41.41															
1974	26.64							1.30	80.70	25	8.91				25	23.07	50°	7.51				5	46.6

(see also 1707 p 33)

1908	2849	23	24	267	49	591	85	1	10	725	23	25	16	50°	4.9	9.62	+1982	+1	3940	5	48.7	52.2
			+0	58.4	+6.6					86	70	25	8.93	-0.24	+14.16	25	23.09	4				
23	25	23.1	50	5.7	49	4141																
5041	18.87	23	28	56.4	50	429	90	1	18	725	29	47	50°	528	0.57	+1988	+1	3940	5	40.0	57.2	
			+0	57.0	+6.6					92	70	29	37.60	-0.216	+14.28	29	53.88	52				
23	29	53.4	50	49.5	50	4089																
5652	32.34	23	33	3.2	50	459	90	1	48	725	33	53	50°	510	13.32	+1992	+1	39.60	57	52.9	71.1	
			+0	57.6	+6.6					89	70	33	46.15	-0.187	+14.42	34	0.57	50				
23	34	0.8	50	52.5	50	4109																
5242	32.50									740	36	27	52°	548	5.42	+1995	-0	39.90	59	25.5	4.8	
1.84	32.39									81	36	27.64	52°	5.22							6.0	
5310	26.42	23	37	58.2	49	583	89	1	32	725	38	49	50°	39	7.79	+1997	+1	39.85	4	47.6	32.3	
			+0	58.4	+6.6					90	70	38	42.12	-0.147	+14.62	39	56.74	3				
23	38	55.6	50	4.9	49	4210																
5288	29.35									92	70	38	42.44	50°	57.06	3	9.42			4	49.3	11.5
5010	45.86	23	38	56.4	49	515	70	1	12	725	39	47	49°	573	27.84	+1998	+1	39.90	58	7.7		
			+0	58.6	+6.6					72	70	39	39.80	-0.140	+14.66	39	54.46	56				
23	39	55.0	49	58.1	49	4215																
5848	15.77	23	39	4.6	49	588	7.7	1	50	725	39	55	50°	4.7	55.85	+1998	+1	39.90	5	35.8		
			+0	58.6	+6.6					79	70	39	48.03	-0.140	+14.66	40	2.69	3				
23	40	3.2	50	5.4	49	4219																
5910	12.02									84	70	39	48.10	50°	27.6	3	53.45			5	33.4	
3731	26.15	23	41	44.5	51	13	90	1	4	725	42	35	51°	7.0	10.00	+2000	+1	40.00	7	50.0		
			+0	58.4	+6.7					70	42	28.26	-0.126	+14.73	42	42.99	6					
23	42	42.9	51	8.0	51	3719																
2958	10.40	23	41	38.0	52	188	90	40	97	740	42	40	52°	264	40.76	+2000	-0	40.00	26	0.8		
3094	11.49		+0	58.7	+6.7					91	42	42.86	52°	36.98	26	41.18			26	1.2		
23	42	36.7	52	23.5	52	3534																
5026	1.24	23	45	56.8	49	592	90	1	6	725	46	48	50°	5.5	43.81	+2002	+1	40.40	6	23.9		
			+0	59.5	+6.7					70	46	41.20	-0.092	+14.90	46	56.10	4					
23	46	56.3	50	5.9	49	4258																
5184	5.66									93	70	46	41.31	50°	56.21	4	45.85			6	26.0	
5174	4.41									92	70	46	41.35	50°	56.25	4	47.26			6	28.4	

(See also 734 1st)

$\times 23$ $\begin{matrix} 2 \\ 2 \\ 0 \\ 1 \end{matrix}$ $\begin{matrix} 45 \\ 588 \\ 49 \\ 592 \end{matrix}$ $\begin{matrix} 90 \\ 1 \\ 32 \end{matrix}$ $\begin{matrix} 725 \\ 23 \\ 46 \\ 48 \end{matrix}$ $\begin{matrix} 46 \\ 4636 \end{matrix}$ $-0.092+14.90$ $\begin{matrix} 46 \\ 56.26 \end{matrix}$ $\begin{matrix} 50^\circ \\ 4 \end{matrix}$ $\begin{matrix} 55 \\ 4346 \end{matrix}$ $+2002$ $+14010$ 6 23.6

23 $\begin{matrix} 46 \\ 56.3 \end{matrix}$ $\begin{matrix} 50 \\ 6.9 \end{matrix}$ 49 4258

$\times 23$ $\begin{matrix} 48 \\ 2.1 \end{matrix}$ $\begin{matrix} 49 \\ 554 \end{matrix}$ $\begin{matrix} 84 \\ 1 \\ 50 \end{matrix}$ $\begin{matrix} 725 \\ 48 \\ 54 \end{matrix}$ $\begin{matrix} 48 \\ 4673 \end{matrix}$ $-0.080+14.96$ $\begin{matrix} 49 \\ 1.69 \end{matrix}$ $\begin{matrix} 51^\circ \\ 0 \end{matrix}$ $\begin{matrix} 0.9 \\ 9.88 \end{matrix}$ $+2003$ $+14015$ 1 50.0

23 $\begin{matrix} 49 \\ 1.8 \end{matrix}$ $\begin{matrix} 50 \\ 2.1 \end{matrix}$ 50 4187

$\times 23$ $\begin{matrix} 52 \\ 11.4 \end{matrix}$ $\begin{matrix} 50 \\ 16 \end{matrix}$ $\begin{matrix} 72 \\ 1 \\ 14 \end{matrix}$ $\begin{matrix} 725 \\ 53 \\ 4 \end{matrix}$ $\begin{matrix} 52 \\ 5670 \end{matrix}$ $-0.048+15.12$ $\begin{matrix} 53 \\ 11.82 \end{matrix}$ $\begin{matrix} 50^\circ \\ 6 \end{matrix}$ $\begin{matrix} 7.4 \\ 33.04 \end{matrix}$ $+2004$ $+14020$ 8 13.2

23 $\begin{matrix} 53 \\ 11.7 \end{matrix}$ $\begin{matrix} 50 \\ 8.3 \end{matrix}$ 50 4208

$\begin{matrix} 486 \\ 6.06 \end{matrix}$ $\begin{matrix} 2322 \\ 25.22 \end{matrix}$ $+1$ 0.5 $+6.7$ 4099 $\begin{matrix} 760 \\ 80.77 \end{matrix}$ $\begin{matrix} 53 \\ 58 \end{matrix}$ $\begin{matrix} 15 \\ 17.96 \end{matrix}$ $-0.047-6.05$ $\begin{matrix} 53 \\ 11.91 \end{matrix}$ $\begin{matrix} 50^\circ \\ 8 \end{matrix}$ $\begin{matrix} 8.5 \\ 50.68 \end{matrix}$ $+2005$ -0.4010 8 10.6

23 $\begin{matrix} 53 \\ 11.7 \end{matrix}$ $\begin{matrix} 50 \\ 8.3 \end{matrix}$ 50 4208

$\begin{matrix} 32.32 \\ 66.85 \end{matrix}$ $+1$ 0.5 $+6.7$ 4083 $\begin{matrix} 760 \\ 96.77 \end{matrix}$ $\begin{matrix} 53 \\ 53 \end{matrix}$ $\begin{matrix} 53 \\ 56.45 \end{matrix}$ $-0.049-6.05$ $\begin{matrix} 53 \\ 50.40 \end{matrix}$ $\begin{matrix} 54^\circ \\ 0 \end{matrix}$ $\begin{matrix} 0.2 \\ 29.62 \end{matrix}$ $+2005$ -0.4010 59 49.5

23 $\begin{matrix} 53 \\ 11.7 \end{matrix}$ $\begin{matrix} 50 \\ 8.3 \end{matrix}$ 50 4208

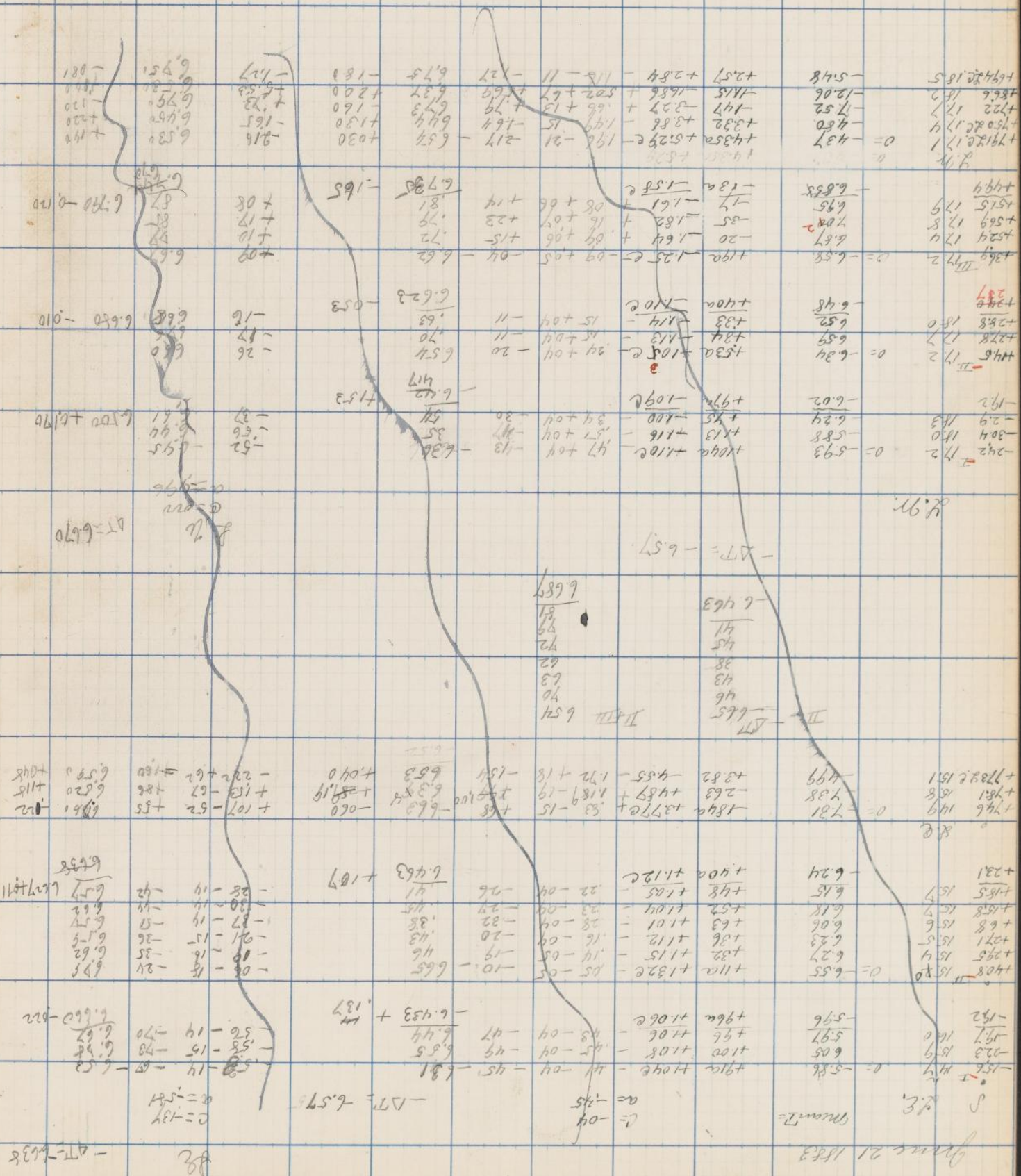
$\times 23$ $\begin{matrix} 55 \\ 15.4 \end{matrix}$ $\begin{matrix} 49 \\ 559 \end{matrix}$ $\begin{matrix} 90 \\ 1 \\ 14 \end{matrix}$ $\begin{matrix} 725 \\ 56 \\ 9 \end{matrix}$ $\begin{matrix} 56 \\ 1.08 \end{matrix}$ $-0.027+15.22$ $\begin{matrix} 56 \\ 16.30 \end{matrix}$ $\begin{matrix} 50^\circ \\ 0 \end{matrix}$ $\begin{matrix} 1.3 \\ 28.88 \end{matrix}$ $+2005$ $+14025$ 2 9.1

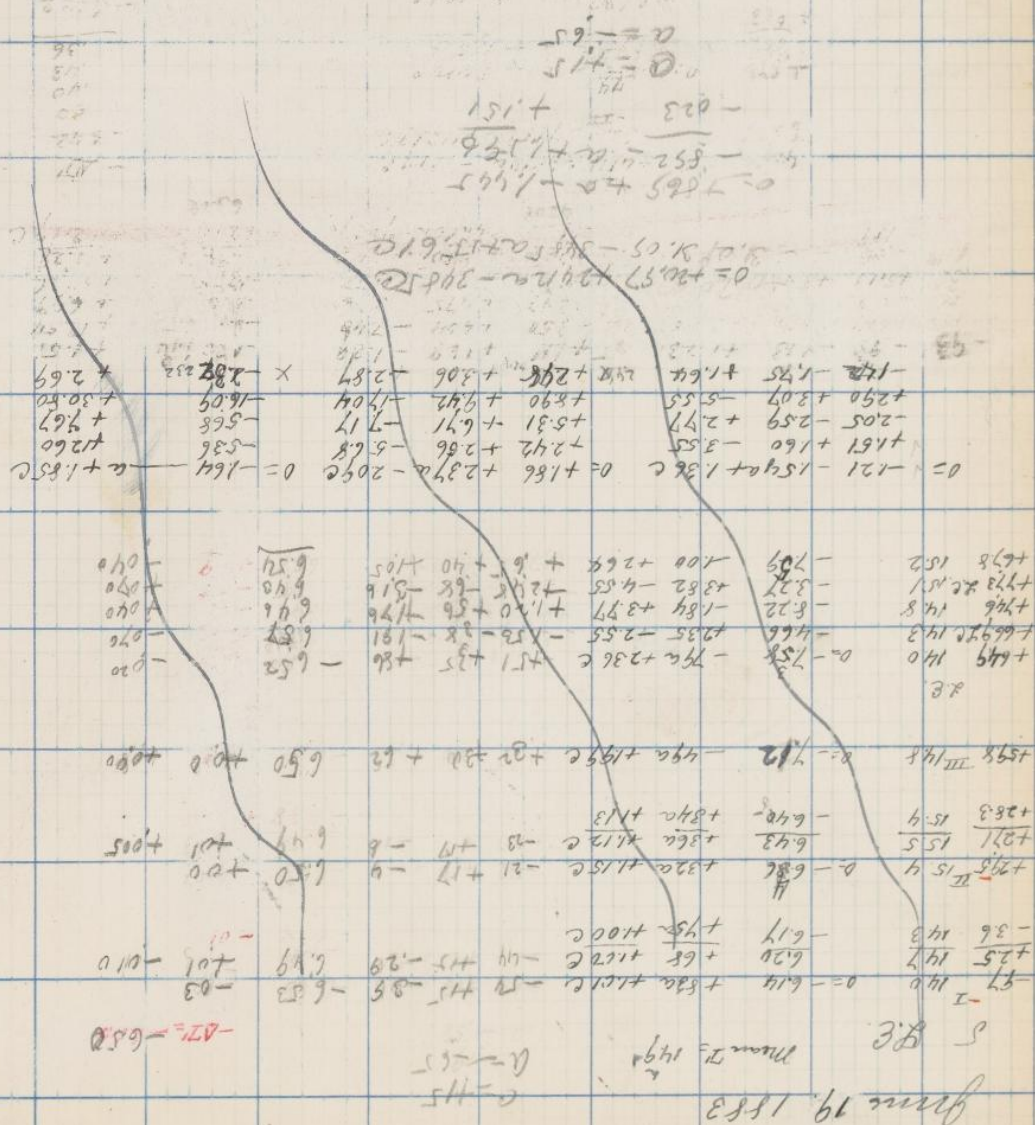
23 $\begin{matrix} 56 \\ 16.2 \end{matrix}$ $\begin{matrix} 50 \\ 2.6 \end{matrix}$ 49 4015

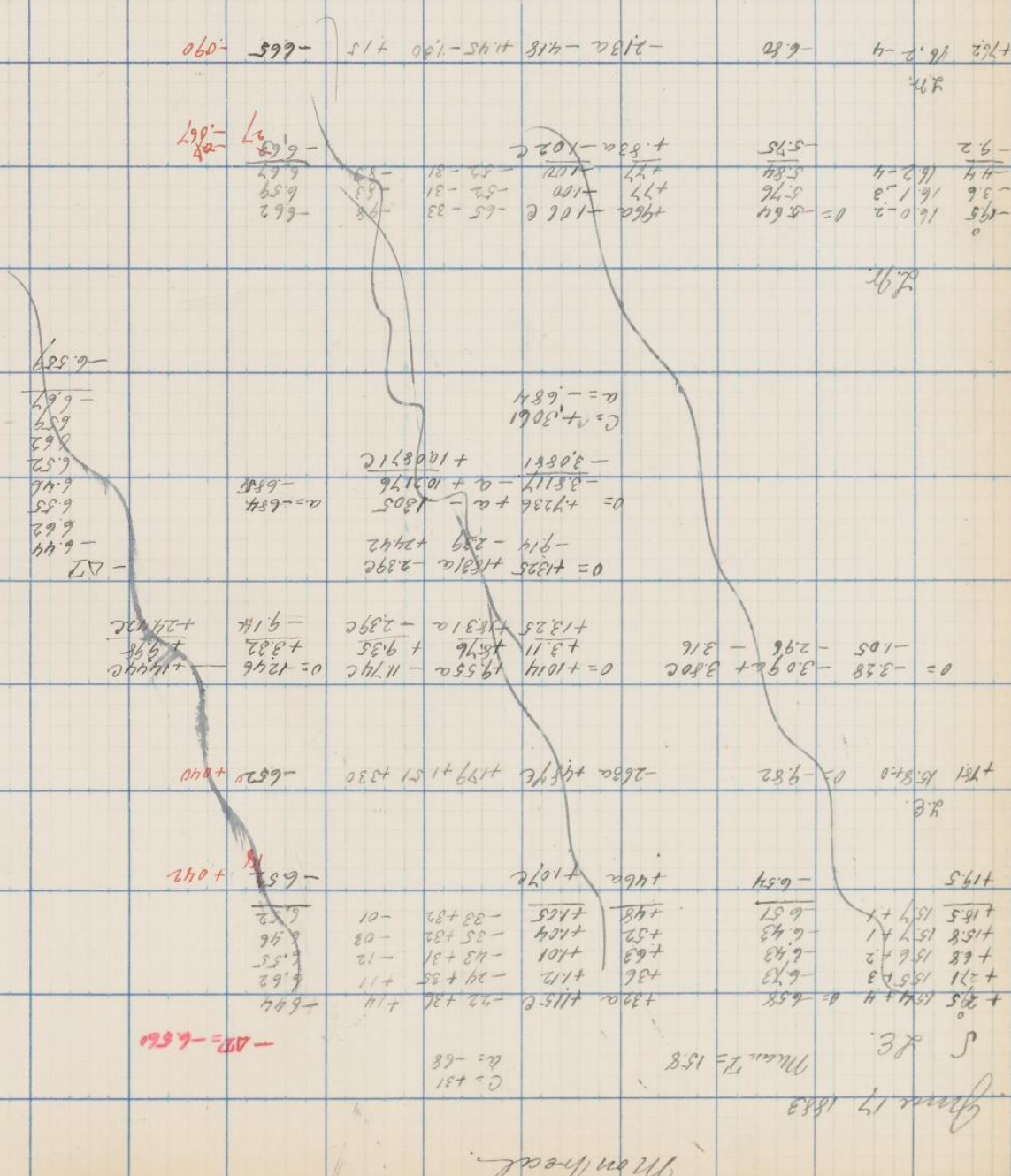
(over

2	16	311	52	293	85	41	551	86	77	17	5591	+1026	-820	17	4771	34	739	+1654	-0	33.08	33	34.3						
1	21.7		5.5					84		17	5569				4749	34	867				33	35.6						
17	52.8	53	34.8			45	588	81	86	83	18	2067	2520	1028	-32.80	4787	5240	35	4584	37	3528	1652	-2	12.16	33	33.7	35	23.1
								86	90	70	18	2068	2525			4788	5245	35	4751	37	3625				33	35.4	24.1	

1883phae.proj.1707.





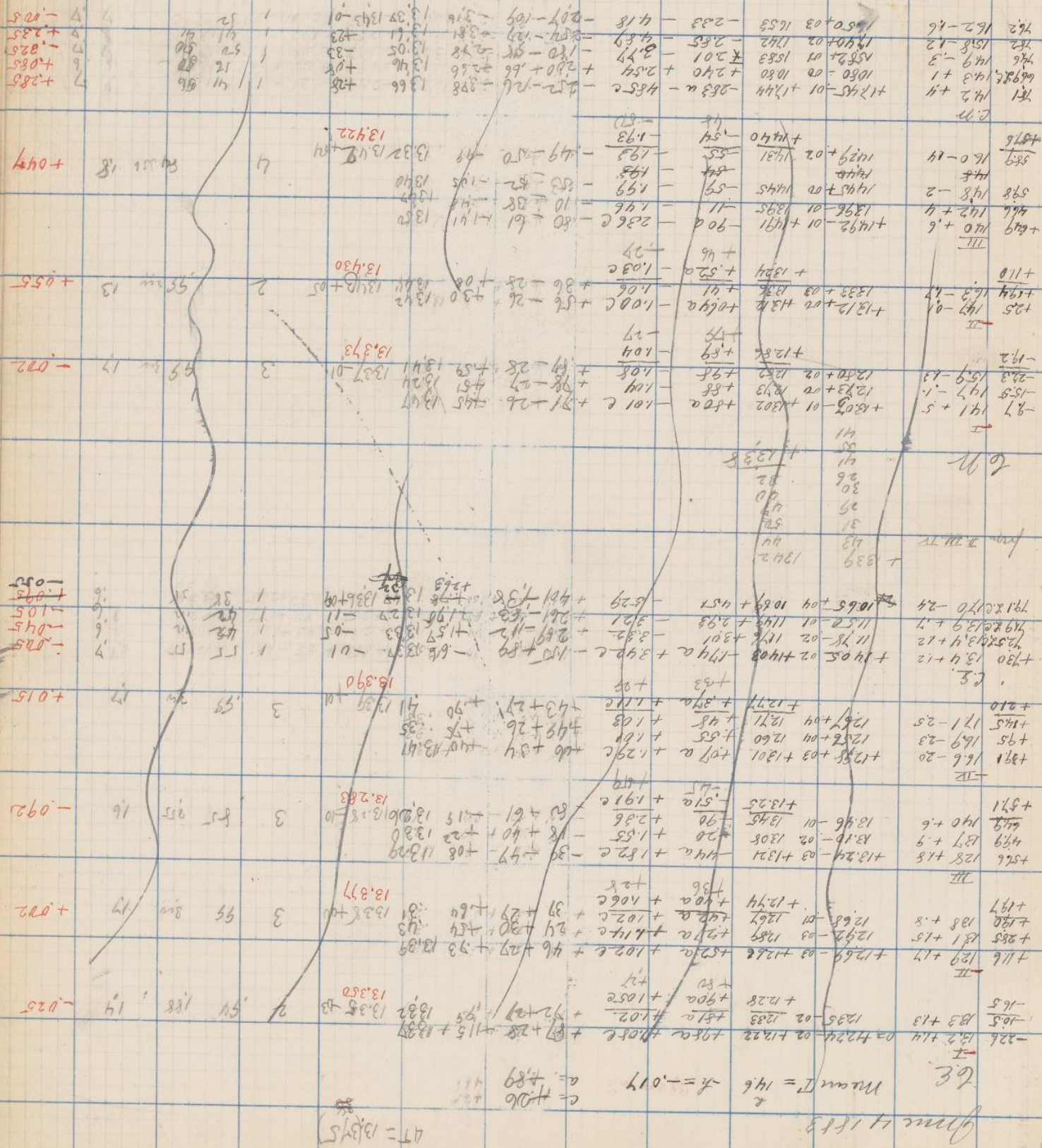


-	4.13-24	-4.34	+13.610	-310	-490
-	2.93-19	+14.52	13.420	+050	-490
+	4.87+17	13.63	13.610	+050	-490
+	5.50+13	13.260	13.420	+050	-490
-	4.16-24	-4.90	13.420	+050	-490
-	1.02-11	-11.3	13.420	+050	-490
-	86-10	7.96	13.26	13.343	-027
-	80-10	-50	13.24	13.343	-027
+	55-05	+50	13.45	13.450	+080
+	1.43-05	13.44	13.55	13.095	+225
+	1.37-05	13.38	13.55	13.095	+225
	$a = +1.45$	$a = +0.45$	13.370		
-	1.88+55	-1.35	12.850	+014	+054
+	3.16+51	+2.68	12.840	+014	+054
+	3.08+52	-2.80	12.830	+014	+054
-	90	12.850	12.850	+014	+054
-	4.8+29	12.70	12.827	-049	
-	22+25	12.98	12.827	-049	
-	9.8+38	13.00	12.827	-049	
+	58+18	12.88	12.912	+036	
+	4.56+17	12.93	12.912	+036	
+	38+18	12.94	12.912	+036	
+	1.08+11	12.94	12.950	+074	
+	8.98+16	12.92	12.950	+074	

-047-413123
12.827
12.827
12.827

$a = +1.06$
 $a = +1.14$

1883phae



[illegible]

Reverend at Cambridge
Mr. William Brewster

Mean $T = 13.1$ - $k = -0.21$

Ernst East: Jim's Stars

$$807 = 7$$
$$\begin{array}{r} 12.8 \\ 12.9 \\ 14.0 \\ \hline 39.7 \\ + 16.30 \\ \hline 56.0 \\ + 16.69 \\ \hline 72.69 \\ + 10.2 \\ \hline 82.89 \\ + 1.012 \\ \hline 83.902 \end{array}$$

Star Sts.

4-1218
+3474

-8.55 -213 -227

0 = +196 96 +10405a -13736
-26217 -13736 +20910

Coke Prod.

$$0 = +1593 + a - 1320C$$

$$\quad \quad -1909 - a + 1572$$

$$\quad \quad \quad \quad \quad -179$$

$$a = +08 \text{ for Coke Prod.}$$
[illegible]

3983p444, n763, 1707

