

Sheets of computed geodetic net

UNIVERSAL PROGRAM FOR ADJUSTMENT OF ANY GEODETIC NETWORK

(PAG-U)

KENTEI (N.S.K.) NO. 56-131 DATE 56. 5. 18

TOHOKU (G.S.I.) NO. 57-2-H DATE 57. 8. 13

PACIFIC AERO SURVEY CO., LTD.

NO.	LONGITUDE	LATITUDE	D(LANDA)	D(PHAI)	X	Y
117	32 1 51.72827	31 10 41.34719	0.0	0.0	941072.040	713288.200
116	32 1 38.06101	31 6 31.74349	0.0	0.0	933380.780	712997.560
115	32 0 20.13911	31 5 51.28581	0.0	0.0	932115.750	710943.850
114	32 0 41.40271	31 3 29.94034	0.0	0.0	927767.450	711547.100
113	32 2 21.38973	31 2 41.33582	0.0	0.0	926294.890	714212.270
112	32 4 51.74116	31 10 44.46781	0.0	0.0	941213.650	718054.340
111	32 3 8.09237	31 2 6.13655	0.0	0.0	925222.410	715461.040
110	32 3 43.67342	31 1 37.72918	0.0	0.0	924356.440	716413.070
109	32 4 53.93075	31 0 46.50200	0.0	0.0	922796.610	718291.920
108	32 9 7.77808	31 11 11.09282	0.0	0.0	942102.150	724826.140
107	32 7 17.21987	31 0 49.84392	0.0	0.0	922937.200	722092.050
106	32 8 56.82273	31 0 56.37634	0.0	0.0	923165.380	724732.220
105	32 12 18.22042	31 11 57.70111	0.0	0.0	943591.480	729853.430
104	32 11 52.62622	31 10 15.46663	0.0	0.0	940433.150	729209.380
103	32 11 59.19712	31 9 31.96188	0.0	0.0	939097.030	729398.430
102	32 11 51.87489	31 7 50.60167	0.0	0.0	935972.910	729238.240
101	32 11 49.92162	31 6 37.82022	0.0	0.0	933730.600	729210.700
100	32 11 58.31775	31 5 15.50304	0.0	0.0	931197.550	729460.630
99	32 12 1.44660	31 3 48.59767	0.0	0.0	928521.680	729572.520
98	32 13 19.34154	31 12 30.43189	0.0	0.0	944617.400	731460.570
97	32 15 15.21956	31 1 1.77470	0.0	0.0	923440.150	734768.320
96	32 13 43.24865	31 12 4.81170	0.0	0.0	943835.270	732102.260
95	32 17 53.24135	31 12 0.43500	0.0	0.0	943776.080	738722.730
94	32 17 56.49998	31 9 52.48691	0.0	0.0	939836.040	738855.280
93	32 18 8.66076	31 7 54.60253	0.0	0.0	936208.770	739220.080
92	32 18 3.62013	31 6 22.03518	0.0	0.0	933355.970	739119.990
91	32 18 9.93529	31 2 53.39557	0.0	0.0	926931.520	739362.800
90	32 17 44.98096	31 1 3.49203	0.0	0.0	923538.610	738740.510
89	32 12 7.60351	31 0 53.28795	0.0	0.0	923123.770	729794.190
88	32 18 9.66386	31 4 26.09951	0.0	0.0	929786.850	739322.100

NEW STATION : 28 (NEW+OLD) STATION : 30
 SIDE : 31
 AZIMUTH : 0
 SET OF DIRECTION : 30 DIRECTION : 62
 ANGLE : 0
 WEIGHT 0.0 3569.0700 0.0050 1.0000 1.0000 0.0 2.0000 2.0000 0.0 0.0
 PURE OBS. EQ. END
 USUAL NORMAL EQ. END
 INVERSE MATRIX END, FROM REAR
 INVERSE MATRIX END

STATION	ROOT OF Q(Y)	ROOT OF Q(X)	ROOT OF Q
117.NO.117	0.61140189779D-01	0.71854956238D-01	0.94346476046D-01
116.NO.116	0.44882476699D-01	0.72199839913D-01	0.85013255426D-01
115.NO.115	0.41551562346D-01	0.73918789398D-01	0.84796934939D-01
114.NO.114	0.26131815734D-01	0.73554022498D-01	0.77869662964D-01
113.NO.113	0.21101002481D-01	0.69799335843D-01	0.72919130479D-01
112.NO.112	0.61332991892D-01	0.58196754826D-01	0.84549383006D-01
112.NO.112	0.16522316921D-01	0.67677113837D-01	0.69664759339D-01
111.NO.111	0.12086618635D-01	0.65679340724D-01	0.661921966965D-01
110.NO.110	0.58103101488D-02	0.51926529696D-01	0.58217201462D-01
119.NO.119	0.62759014244D-01	0.30060861419D-01	0.69586990581D-01
109.NO.109	0.47029936103D-02	0.40611817326D-01	0.40883222175D-01
108.NO.108	0.35921308024D-02	0.28286572212D-01	0.28513743550D-01
101.NO.101	0.64787445465D-01	0.91879096856D-02	0.65435699540D-01
102.NO.102	0.61334322303D-01	0.76541900905D-02	0.61810077805D-01
103.NO.103	0.59449192642D-01	0.72268571229D-02	0.59886843043D-01
104.NO.104	0.53672493143D-01	0.65088658431D-02	0.54065717925D-01
105.NO.105	0.48285491992D-01	0.59421464692D-02	0.48649746573D-01
106.NO.106	0.39876887364D-01	0.48352700119D-02	0.40168967897D-01
107.NO.107	0.29027787832D-01	0.37991237758D-02	0.29275344710D-01
120.NO.120	0.66093502271D-01	0.17209377880D-01	0.68297245402D-01
1798.1798	0.36121216713D-02	0.13572731919D-01	0.14045158408D-01
595.595	0.66659019478D-01	0.16260561383D-01	0.68613633733D-01
125.NO.125	0.66658700716D-01	0.63957347432D-02	0.66964825125D-01
124.NO.124	0.55185410982D-01	0.55337001614D-02	0.55462162081D-01
123.NO.123	0.38324043280D-01	0.43042340542D-02	0.38564993506D-01
122.NO.122	0.22662341146D-01	0.32223740391D-02	0.22890290532D-01
121.NO.121	0.97197559974D-02	0.28735632266D-02	0.10135631321D-01
1795.1795	0.47876793092D-02	0.45690126099D-02	0.66179868023D-02

GEODETTIC NEI ADJUSTMENT BY MEANS OF LONGITUDE LATITUDE

REFERENCE ELLIPSOID : HELMERT 1906
 (A=6378200.000 17F=298.3000000000)

TOPOGRAPHIC MAPPING
 FOR
 FEASIBILITY STUDY
 ON

NURH HUSSAINIA VALLY AND SOUTH PORT SIDE
 AGRICULTURAL DEVELOPMENT PROJECT
 IN
 ARAB REPUBLIC OF EGYPT

S.D. OF A DIRECTION OBSERVED 2 TIMES (UNIT WEIGHT OBSERVATION) = 3.7SEC
 ACCORDING TO THE RULE OF ERROR DISTRIBUTION GIVEN IN INPUT DATA
 S.D. OF AN AVERAGE SIDE (3.6KM) = 1.13CM

プログラム管理者 技術開発室 中村正治 課長

SIDE	ADOPTED		LENGTH OF		GEODETTIC		LINE	
	NO.	NO.	OBSERVED	CURR.	ADJUSTED	ADJ.-ADU.		
	58,C58	1798,1798	4983.356	4983.210	0.002	4983.212	-0.124	
	1798,1798	1795,1795	3972.684	3972.650	0.002	3972.652	-0.032	
	1795,1795	121,NO.121	3448.850	3448.840	0.002	3448.842	-0.009	
	121,NO.121	61,61	2855.076	2855.040	0.001	2855.041	-0.034	
	61,61	122,NO.122	3574.158	3574.110	0.000	3574.110	-0.048	
	122,NO.122	123,NO.123	2854.013	2853.990	0.000	2853.990	-0.023	
	123,NO.123	124,NO.124	3644.877	3644.820	0.000	3644.820	-0.056	
	124,NO.124	125,NO.125	3941.524	3941.470	0.000	3941.470	-0.054	
	125,NO.125	595,595	6619.551	6619.300	0.001	6619.301	-0.250	
	595,595	120,NO.120	1011.508	1011.400	0.000	1011.400	-0.108	
	101,NO.101	120,NO.120	1906.361	1906.210	0.000	1906.210	-0.151	
	102,NO.102	101,NO.101	3220.748	3220.620	-0.000	3220.620	-0.129	
	103,NO.103	102,NO.102	1351.121	1351.080	-0.000	1351.080	-0.041	
	104,NO.104	103,NO.103	3127.720	3127.600	-0.000	3127.600	-0.121	
	105,NO.105	104,NO.104	2242.118	2242.040	-0.000	2242.040	-0.079	
	106,NO.106	105,NO.105	2544.940	2544.860	-0.000	2544.860	-0.080	
	107,NO.107	106,NO.106	2677.775	2677.670	-0.000	2677.670	-0.106	
	58,C58	107,NO.107	5401.584	5401.380	-0.001	5401.379	-0.204	
	58,C58	108,NO.108	5061.354	5061.090	0.000	5061.090	-0.264	
	109,NO.109	108,NO.108	2649.628	2649.430	0.000	2649.430	-0.198	
	110,NO.110	109,NO.109	3802.211	3801.930	0.000	3801.930	-0.281	
	110,NO.110	111,NO.111	2441.660	2441.420	0.000	2441.420	-0.220	
	111,NO.111	112,NO.112	1286.798	1286.680	0.000	1286.680	-0.118	
	112,NO.112	113,NO.113	1645.896	1645.720	0.000	1645.720	-0.176	
	113,NO.113	114,NO.114	3044.555	3044.270	0.000	3044.270	-0.285	
	114,NO.114	115,NO.115	4389.464	4389.070	0.000	4389.070	-0.394	
	115,NO.115	116,NO.116	2411.779	2411.610	-0.000	2411.610	-0.169	
	116,NO.116	117,NO.117	7695.836	7695.200	0.000	7695.200	-0.635	
	117,NO.117	118,NO.118	4767.647	4767.690	-0.000	4767.690	0.042	
	118,NO.118	119,NO.119	6828.885	6828.530	-0.000	6828.530	-0.356	
	119,NO.119	101,NO.101	5242.442	5242.240	-0.000	5242.240	-0.202	

	DIRECTION	ADOPTED	OBSERVED	CORR.	ADJUSTED	ADJ.-A.O.
118,NO.118	119,NO.119	0.0	0.0	1.490	1.490	1.490
	117,NO.117	185 46 22.498	185 46 24.000	-1.490	185 46 22.510	0.012
119,NO.119	118,NO.118	0.0	0.0	-2.147	-2.147	-2.147
	101,NO.101	170 58 23.363	170 58 22.000	2.147	170 58 24.147	0.785
116,NO.116	115,NO.115	0.0	0.0	-0.226	-0.226	-0.226
	117,NO.117	123 47 47.950	123 47 44.000	0.226	123 47 44.226	-3.724
117,NO.117	118,NO.118	0.0	0.0	1.080	1.080	1.080
	116,NO.116	93 51 55.413	93 51 58.000	-1.080	93 51 56.920	1.507
61,61	121,NO.121	0.0	0.0	1.232	1.232	1.232
	122,NO.122	177 34 34.159	177 34 31.000	-1.232	177 34 29.768	-4.392
122,NO.122	61,61	0.0	0.0	0.751	0.751	0.751
	123,NO.123	185 15 3.606	185 15 1.000	-0.751	185 15 0.249	-3.357
123,NO.123	122,NO.122	0.0	0.0	-0.338	0.338	0.338
	124,NO.124	172 14 53.404	172 14 51.000	-0.338	172 14 50.662	-2.743
125,NO.125	595,595	0.0	0.0	-0.674	0.674	0.674
	124,NO.124	267 33 38.189	267 33 42.000	-0.674	267 33 41.326	3.137
124,NO.124	123,NO.123	0.0	0.0	-0.133	-0.133	-0.133
	125,NO.125	183 49 0.725	183 48 57.000	0.133	183 48 57.133	-3.592
1798,1798	58,C58	0.0	0.0	-0.383	-0.383	-0.383
	1795,1795	182 13 19.261	182 13 10.000	0.383	182 13 19.383	0.123
1795,1795	1798,1798	0.0	0.0	-3.379	-3.379	-3.379
	121,NO.121	101 48 47.782	101 48 48.000	3.379	101 48 51.379	3.597
121,NO.121	1795,1795	0.0	0.0	-1.112	-1.112	-1.112
	61,61	168 47 27.091	168 47 24.000	1.112	168 47 25.112	-1.979
595,595	120,NO.120	0.0	0.0	-0.041	-0.041	-0.041
	125,NO.125	129 52 44.250	129 52 42.000	0.041	129 52 42.041	-2.210
114,NO.114	113,NO.113	0.0	0.0	0.499	0.499	0.499
	115,NO.115	233 10 51.114	233 10 51.000	-0.499	233 10 50.501	-0.613
113,NO.113	112,NO.112	0.0	0.0	0.437	0.437	0.437
	114,NO.114	168 15 51.976	168 15 48.000	-0.437	168 15 47.563	-4.413
115,NO.115	114,NO.114	0.0	0.0	0.080	0.080	0.080
	116,NO.116	246 16 0.339	246 15 58.000	-0.080	246 15 57.920	-2.420

	DIRECTION	ADMITTED	OBSERVED	CURR.	ADJUSTED	ADJ.-ADJ.
107-NO.107	58,C58	179 57 28.219	0.0	-1.399	179 57 27.599	-1.399
	106,NO.106		0.0	1.399		-0.821
112-NO.112	113,NO.113	181 37.57.684	0.0	-0.449	181 37.57.449	-0.449
	111,NO.111		0.0	0.449		-0.235
111-NO.111	112,NO.112	177 24 34.812	0.0	-0.464	177 24 35.464	-0.464
	110,NO.110		0.0	0.464		0.652
110-NO.110	111,NO.111	138 10 53.501	0.0	-0.476	138 10 51.476	-0.476
	109,NO.109		0.0	0.476		-2.025
108-NO.108	109,NO.109	185 24 38.041	0.0	-0.097	185 24 38.903	0.097
	58,C58		0.0	0.097		0.861
109-NO.109	108,NO.108	182 49 14.891	0.0	-0.146	182 49 13.854	-0.146
	110,NO.110		0.0	0.146		-1.037
106-NO.106	107,NO.107	176 45 35.345	0.0	-0.755	176 45 34.755	-0.755
	105,NO.105		0.0	0.755		-0.590
105-NO.105	106,NO.106	173 39 39.404	0.0	-0.172	173 39 40.828	0.172
	106,NO.106		0.0	0.172		1.424
104-NO.104	105,NO.105	182 13 55.370	0.0	-0.391	182 13 55.609	0.391
	103,NO.103		0.0	0.391		0.239
103-NO.103	104,NO.104	169 2 40.286	0.0	-1.199	169 2 35.801	-1.199
	102,NO.102		0.0	1.199		-4.485
102-NO.102	103,NO.103	199 32 42.351	0.0	-1.495	199 32 43.505	1.495
	101,NO.101		0.0	1.495		1.154
120-NO.120	595,595	96 48 52.528	0.0	-9.673	96 48 48.000	-9.673
	101,NO.101		0.0	0.000		-4.528
101-NO.101	102,NO.102	61 58 26.690	0.0	-2.404	61 58 26.276	-2.404
	119,NO.119		0.0	-2.724		-0.414
	120,NO.120	225 55 27.315	0.0	0.320	225 55 27.320	1.005
58,C58	107,NO.107	88 42 42.368	0.0	-2.699	88 42 41.788	-2.699
	1798,1798		0.0	-3.212		-0.580
	108,NO.108	272 49 19.512	0.0	0.513	272 49 22.513	2.900

STATION NO.	NAME	LONGITUDE	LATITUDE	S. D.		ERROR		ELLIPSE		DISPLACEMENT	
				LONG-LAT.	ALMUTH	MAJOR MINOR	DX	DY	VECTOR		
117	NO.117	51.72827 51.75103 0.02276	41.34719 10.41.29900 -0.04819	M M 0.264	33	M M 0.294 0.184	M M 0.603 -1.484	157 1.502			
116	NO.116	38.06101 38.10175 0.04074	31.74349 6.31.71521 -0.02827	M M 0.265	19	M M 0.278 0.143	M M 1.080 -0.871	128 1.387			
115	NO.115	20.15911 20.18724 0.04813	51.28581 5.51.25762 -0.02819	M M 0.272	19	M M 0.285 0.127	M M 1.276 -0.868	124 1.543			
114	NO.114	41.40271 41.45369 0.05098	29.94034 3.29.92536 -0.01498	M M 0.270	12	M M 0.277 0.076	M M 1.352 -0.461	108 1.428			
113	NO.113	21.38973 21.43268 0.04296	41.35582 2.41.32742 -0.00840	M M 0.257	9	M M 0.261 0.064	M M 1.139 -0.259	102 1.168			
112	NO.112	51.74116 51.76527 0.02411	44.46781 10.44.42896 -0.03885	M M 0.214	49	M M 0.250 0.185	M M 0.639 -1.196	151 1.356			
111	NO.111	8.09237 8.13934 0.05797	6.13655 6.13191 -0.00464	M M 0.249	7	M M 0.251 0.052	M M 1.007 -0.143	98 1.017			
110	NO.110	53.93075 53.95872 0.02797	46.50200 4.46.50416 0.00216	M M 0.213	-1	M M 0.214 0.021	M M 0.742 0.067	84 0.745			
109	NO.109	7.77808 7.78719 0.00911	11.09282 11.06426 -0.02856	M M 0.111	82	M M 0.232 0.108	M M 0.241 -0.880	164 0.912			
108	NO.108	56.82273 56.83271 0.00998	56.37634 0.56.37753 0.00119	M M 0.103	1	M M 0.104 0.013	M M 0.265 0.037	82 0.267			
101	NO.101	12.18.22042 12.12.18.22008	11.57.70111 11.47.47711	M M 0.238	80	M M 0.238	M M -0.009	-179			

STATION NO.	NAME	LONGITUDE	LATITUDE	S. D.		ERROR		ELLIPSE		DISPLACEMENT	
				LONG. LAT.	AZIMUTH	MAJOR MINOR	DX	DY	VECTOR		
102,NO.102	ADOPTE ADJUSTED ADJ.-ADN.	32 11 52.62622 32 11 52.62990 0.00368	31 10 15.46663 31 10 15.44616 -0.02047	M	0.226	88	M	0.225	M	0.097	171
103,NO.103	ADOPTE ADJUSTED ADJ.-ADN.	32 11 59.19712 32 11 59.20179 0.00467	31 9 31.96188 31 9 31.94287 -0.01901	M	0.219	88	M	0.218	M	0.124	168
104,NO.104	ADOPTE ADJUSTED ADJ.-ADN.	32 11 51.87489 32 11 51.87937 0.00448	31 7 50.58660 31 7 50.60167 -0.01507	M	0.197	87	M	0.197	M	0.119	165
105,NO.105	ADOPTE ADJUSTED ADJ.-ADN.	32 11 49.92162 32 11 49.92576 0.00414	31 6 37.82022 31 6 37.80771 -0.01251	M	0.178	87	M	0.177	M	0.110	164
106,NO.106	ADOPTE ADJUSTED ADJ.-ADN.	32 11 58.31775 32 11 58.32059 0.00284	31 5 15.50304 31 5 15.49305 -0.00999	M	0.147	88	M	0.146	M	0.075	166
107,NO.107	ADOPTE ADJUSTED ADJ.-ADN.	32 12 1.44660 32 12 1.44830 0.00170	31 3 48.59767 31 3 48.59107 -0.00659	M	0.107	88	M	0.107	M	0.045	167
120,NO.120	ADOPTE ADJUSTED ADJ.-ADN.	32 13 19.35154 32 13 19.35514 -0.00360	31 12 30.40698 31 12 30.40698 -0.02491	M	0.243	-87	M	0.243	M	-0.169	-167
1798,1798	ADOPTE ADJUSTED ADJ.-ADN.	32 15 15.21956 32 15 15.21489 -0.00467	31 1 1.77470 31 1 1.77589 0.00119	M	0.013	-3	M	0.050	M	-0.126	-73
595,595	ADOPTE ADJUSTED ADJ.-ADN.	32 13 43.24865 32 13 43.24140 -0.00726	31 12 4.81170 31 12 4.79070 -0.02100	M	0.245	-87	M	0.245	M	-0.192	-163
125,NO.125	ADOPTE ADJUSTED ADJ.-ADN.	32 17 53.22435 32 17 53.22496 -0.01638	31 12 0.43500 31 12 0.42867 -0.00634	M	0.245	88	M	0.245	M	-0.434	-114
124,NO.124	ADOPTE ADJUSTED ADJ.-ADN.	32 17 56.49998 32 17 56.49182 -0.00816	31 9 52.48691 31 9 52.48248 -0.00442	M	0.203	88	M	0.202	M	-0.216	-122
123,NO.123	ADOPTE ADJUSTED ADJ.-ADN.	32 18 3.66076 32 18 3.65771 -0.00304	31 7 54.60253 31 7 54.60033 -0.00219	M	0.161	-89	M	0.141	M	-0.081	-129
122,NO.122	ADOPTE ADJUSTED	32 18 3.62013 32 18 3.61900	31 6 22.03518 31 6 22.03461	M	0.083	87	M	0.083	M	-0.012	-166

STATION NO.	NAME	LONGITUDE	LATITUDE	S. D.		ERROR		ELLIPSE		DISPLACEMENT				
				LONG.	LAT.	AZIMUTH	MAJOR	MINOR	DX	DY	VECTOR			
121	NO. 121	ADOPTED	32 18	9.93529	31	2	53.39557	M	0.036	-89	M	0.036	-0.067	-62
		ADJUSTED	32 18	9.93277	31	2	53.39669	M	0.036	-89	M	0.036	-0.067	-62
		ADJ.--ADD.		-0.00252			0.00111	M	0.011			M	0.034	0.075
1795	1795	ADOPTED	32 17	44.98096	31	1	3.49203	M	0.018	-53	M	0.018	-0.159	-68
		ADJUSTED	32 17	44.97498	31	1	3.49401	M	0.018	-53	M	0.018	-0.159	-68
		ADJ.--ADD.		-0.00598			0.00198	M	0.017			M	0.061	0.170

NO.117

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 941070.561
 Y = 713288.816

LONG. = 32 1 51.75103
 LAT. = 31 10 41.29900
 CONTRACTION RATIO = 1.000119110
 DIRECTION OF NORTH = -0 32 1.730

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.118	88 49 42.673	88 17 40.943	0.036	88 17 40.907	4767.690 ^M	0.999874990	4768.286 ^M
NO.116	182 41 38.512	182 9 36.783	-1.920	182 9 38.703	7695.200 ^M	0.999881255	7696.114 ^M

NO. 116

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000^M
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 933379.919^M
 Y = 712998.648^M

LONG. = 32 1 38.10175 CONTRACTION RATIO = 1.000118409
 LAT. = 31 6 31.71521 DIRECTION OF NORTH = -0 31 50.832

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO. 117	2 41 31.453	2 9 40.621	1.919	2 9 38.703	7695.200 ^M	0.999881255	7696.114 ^M
NO. 115	238 53 47.001	238 21 56.169	-0.313	238 21 56.482	2411.610 ^M	0.999884099	2411.890 ^M

NO.115

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

LONG. = 32 0 20.18724 CONTRACTION RATIO = 1.000113499 Y = 710945.134
 LAT. = 31 5 51.25762 DIRECTION OF NORTH = -0 31 9.959 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.116	58 53 6.752	58 21 56.793	0.311	58 21 56.482	2411.610 ^M	0.999884059	2411.890 ^M
NO.114	172 37 8.913	172 5 58.954	-1.063	172 6 0.017	4389.070 ^M	0.999885798	4389.572 ^M

NO.114

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000^M
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 927766.981^M

LONG. = 32 0 41.45369 CONTRACTION RATIO = 1.000114932 Y = 711548.456
 LAT. = 31 3 29.92536 DIRECTION OF NORTH = -0 31 18.808 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.113	119 26 29.889	118 55 11.081	-0.365	118 55 11.445	3044.270 ^M	0.999881866	3044.630 ^M
NO.115	352 37 19.890	352 6 1.082	1.065	352 6 0.017	4389.070 ^M	0.999885798	4389.572 ^M

NO.113

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 926294.642

LONG. = 32 2 21.43268

CONTRACTION RATIO = 1.000121365

Y = 714213.412

LAT. = 31 2 41.32742

DIRECTION OF NORTH = -0 32 9.646

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.112	131 11 34.334	130 39 24.688	-0.272	130 39 24.960	1645.720 ^M	0.999877113	1645.922 ^M
NO.114	299 27 21.459	298 55 11.813	0.368	298 55 11.445	3044.270 ^M	0.999881866	3044.630 ^M

NO.118

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

LONG. = 32 4 51.76527 CONTRACTION RATIO = 1.000130942 Y = 718054.990
 LAT. = 31 10 44.42896 DIRECTION OF NORTH = -0 33 34.997 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.119	83 4 54.847	82 31 19.849	0.238	82 31 19.611	6828.530 ^M	0.999860191	6829.484 ^M
NO.117	268 51 15.868	268 17 40.870	-0.037	268 17 40.907	4767.690 ^M	0.999874990	4768.280 ^M

NO.112

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000 M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 925222.277 M

LONG. = 32 3 8.13034

CONTRACTION RATIO = 1.000124439

Y = 715462.048

LAT. = 31 2 6.13191

DIRECTION OF NORTH = -0 32 33.180

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.111	132 49 56.311	132 17 23.131	-0.222	132 17 23.353	1286.680 M	0.999874392	1286.842 M
NO.113	311 11 58.413	310 39 25.232	0.273	310 39 24.960	1645.720 M	0.999877113	1645.922 M

THE COORDINATE SYSTEM : EGYPT RED BELT

NO.111

LONG. = 31 0 0.0
 LAT. = 30 0 0.0
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 924356.585

LONG. = 32 3 43.70809
 LAT. = 31 1 37.72712

CONTRACTION RATIO = 1.000126809
 DIRECTION OF NORTH = -0 32 51.076

Y = 716413.990
 H =

STATION	AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.110		130 14 50.579	129 41 59.503	-0.405	129 41 59.907	2441.420 ^M	0.999870857	2441.736 ^M
NO.112		312 50 14.652	312 17 23.575	0.223	312 17 23.553	1286.680 ^M	0.999874392	1286.842 ^M

NO.110

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 922796.684
 Y = 718292.661
 H =

LONG. = 32 4 53.95872 CONTRACTION RATIO = 1.000131551
 LAT. = 31 0 46.50416 DIRECTION OF NORTH = -0 33 26.467

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.109	88 26 18.734	87 52 52.267	0.037	87 52 52.229	3801.930 ^M	0.999863539	3802.469 ^M
NO.111	310 15 26.782	309 42 0.315	0.407	309 41 59.907	2441.420 ^M	0.999870837	2441.736 ^M

NO. 119

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000 X = 942101.273^M

LONG. = 32 9 7.78719 CONTRACTION RATIO = 1.000148715 Y = 724826.390
 LAT. = 31 11 11.06426 DIRECTION OF NORTH = -0 35 48.039 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO-101	74 5 33.702	73 29 45.662	0.422	73 29 45.240 ^M	5242.240 ^M	0.999844347	5243.056 ^M
NO-118	263 7 7.407	262 31 19.368	-0.243	262 31 19.611	6828.530 ^M	0.999860191	6829.486 ^M

NO.109

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG.= 31 0 0.0 X0 = 810000.000
 LAT.= 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 922937.268
 Y = 722092.511
 H =

LONG.= 32 7 17.23726 CONTRACTION RATIO = 1.000141408
 LAT.= 31 0 49.84599 DIRECTION OF NORTH = -0 34 40.365
 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.108	85 38 18.848	85 3 38.483	0.063	85 3 38.421	2649.430	0.999855084	2649.814
NO.110	268 27 32.556	267 52 52.191	-0.038	267 52 52.229	3801.930	0.999863539	3802.449

NO.108

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000 X = 923165.419^M

LONG. = 32 8 56.83271 CONTRACTION RATIO = 1.000148666 Y = 724732.484

LAT. = 31 0 56.37753 DIRECTION OF NORTH = -0 35 31.809 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
C58	91 3 48.971	90 28 17.162	-0.012	90 28 17.174	5061.090 ^M	0.999844552	5061.877 ^M
NO.109	265 39 10.166	265 3 38.357	-0.063	265 3 38.421	2649.430 ^M	0.999855084	2649.814 ^M

NO.101

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

LONG. = 32 12 18.22008 CONTRACTION RATIO = 1.000162640
 LAT. = 31 11 57.67711 DIRECTION OF NORTH = -0 37 27.519

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.120	58 4.13.375	57 26 45.855	0.301	57 26 45.534	1906.210 ^M	0.999835095	1906.524 ^M
NO.102	192 8 48.459	191 31 20.940	-0.920	191 31 21.860	3220.620 ^M	0.999838294	3221.141 ^M
NO.119	254 7 12.331	253 29 44.811	-0.429	253 29 45.240	5242.240 ^M	0.999844347	5243.056 ^M

NO.102

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 940434.521

LONG. = 32 11 52.62990

CONTRACTION RATIO = 1.000160824

Y = 729209.984

LAT. = 31 10 15.44616

DIRECTION OF NORTH = -0 37 12.430

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.101	12 8 35.209	11 31 22.778	0.918	11 31 21.860	3220.620 ^M	0.999838294	3221.141 ^M
NO.103	172 35 53.199	171 58 40.769	-0.389	171 58 41.158	1351.080 ^M	0.999838936	1351.297 ^M

NO.103

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 939096.446
 Y = 729598.560

LONG. = 32 11 59.20179
 LAT. = 31 9 31.94287

CONTRACTION RATIO = 1.000161356
 DIRECTION OF NORTH = -0 37 15.053

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.104	183 33 21.998	182 56 6.945	-0.908	182 56 7.853	3127.600	0.999838895	3128.104
NO.102	352 35 56.600	351 58 41.547	0.389	351 58 41.158	1351.080	0.999838936	1351.297

NO. 104

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 935972.447

LONG. = 32 11 51.87937

CONTRACTION RATIO = 1.000160905

Y = 729238.364

LAT. = 31 7 50.58660

DIRECTION OF NORTH = -0 37 9.450

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO. 103	3 33 18.211	2 56 8.761	0.908	2 56 7.853	3127.600 ^M	0.999838895	3128.104 ^M
NO. 105	181 19 22.992	180 42 13.542	-0.651	180 42 14.194	2242.040 ^M	0.999839159	2242.400 ^M

NO.105

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 933730.216
 Y = 729210.814

LONG. = 32 11 49.92576
 LAT. = 31 6 37.80771
 CONTRACTION RATIO = 1.000160829
 DIRECTION OF NORTH = -0 37 7.138

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.104	1 19 21.983	0 42 14.845	0.651	0 42 14.193	2242.040 ^M	0.999839159	2242.400 ^M
NO.106	174 59 2.638	174 21 55.500	-0.736	174 21 56.236	2544.860 ^M	0.999838845	2545.270 ^M

NO.106

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0
LAT. = 30 0 0.0
CONTRACTION RATIO ON X-AXIS = 1.000000000

X = 931197.243

LONG. = 32 11 58.32059
LAT. = 31 5 15.49305

CONTRACTION RATIO = 1.000161534
DIRECTION OF NORTH = -0 37 10.001

Y = 729460.709
H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.107	178 13 31.465	177 36 21.463	-0.779	177 36 22.243	2677.670	0.999838334	2678.103
NO.105	354 59 6.974	354 21 56.973	0.737	354 21 56.236	2544.860	0.999838845	2545.270

NO.107

THE COORDINATE SYSTEM : EGYPT RED BELL

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 M
 M

LONG. = 32 12 1.44850 CONTRACTION RATIO = 1.000161851 Y = 729572.567
 LAT. = 31 3 48.59107 DIRECTION OF NORTH = -0 37 10.057 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
CS8	178 16 4.281	177 38 54.224	-1.574	177 38 55.798	5401.379 ^M	0.999837862	5402.255 ^M
NO.106	358 13 33.079	357 36 23.022	0.779	357 36 22.242	2677.670 ^M	0.999838334	2678.103 ^M

NO.120

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 944616.631

LONG. = 32 13 19.33514

CONTRACTION RATIO = 1.000167223

Y = 731460.409

LAT. = 31 12 30.40698

DIRECTION OF NORTH = -0 37 59.786

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
595	141 15 47.364	140 37 47.578	-0.232	140 37 47.810	1011.400	0.999831881	1011.570
NO.101	238 4 45.038	237 26 45.252	-0.302	237 26 45.554	1906.210	0.999835095	1906.524

1798

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 39 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 923440.185
 Y = 734768.193

LONG. = 32 15 15.21480 CONTRACTION RATIO = 1.000176865
 LAT. = 31 1 1.77589 DIRECTION OF NORTH = -0 38 46.944
 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
1795	89 13 33.982	88 34 47.039	0.030	88 34 47.008	3972.652	0.999817206	3973.378
C58	267 0 23.216	266 21 36.272	-0.095	266 21 36.367	4983.212	0.999830357	4984.058

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000 M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000 X = 943834.621 M
 CONTRACTION RATIO = 1.000169071 Y = 732102.075
 DIRECTION OF NORTH = -0 38 11.707 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.125	91 8 41.831	90 30 30.124	-0.018	90 30 30.142	6619.301 M	0.999821132	6620.485 M
NO.120	321 15 59.750	320 37 48.043	0.232	320 37 47.810	1011.400 M	0.999831881	1011.570 M

NO.125

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 943775.880
 M

LONG. = 32 17 53.22496 CONTRACTION RATIO = 1.000188729
 LAT. = 31 12 0.42867 DIRECTION OF NORTH = -0 40 21.173
 H = Y = 738722.299
 M

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.124	178 44 31.984	178 4 10.812	-1.240	178 4 12.052	3941.470 ^M	0.999811103	3942.215 ^M
595	271 10 51.332	270 30 30.160	0.018	270 30 30.142	6619.301 ^M	0.999821132	6620.485 ^M

NO.124

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000 X = 939835.901^M

LONG. = 32 17 56.49182 CONTRACTION RATIO = 1.000189136 Y = 738855.065
 LAT. = 31 9 52.48248 DIRECTION OF NORTH = -0 40 20.384 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.123	174 55 36.409	174 15 16.025	-1.144	174 15 17.169	3644.820 ^M	0.999810342	3645.512 ^M
NO.125	358 44 33.676	358 4 13.292	1.241	358 4 12.051	3941.470 ^M	0.999811103	3942.215 ^M

NO.123

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000^M
 CONTRACTION RATIO ON X-AXIS = 1.0000000000
 X = 936208.701^M

LONG. = 32 18 8.65771 CONTRACTION RATIO = 1.000190253
 LAT. = 31 7 54.60033 DIRECTION OF NORTH = -0 40 24.389
 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.122	182 40 52.379	182 0 27.990	-0.901	182 0 28.891	2853.990 ^M	0.999809936	2854.533 ^M
NO.124	354 55 42.702	354 15 18.313	1.145	354 15 17.169	3644.820 ^M	0.999810342	3645.512 ^M

NO.122

180

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.000000000
 X = 933355.922

LONG. = 32 18 3.61969 CONTRACTION RATIO = 1.000189948 Y = 739119.979

LAT. = 31 6 22.03361 DIRECTION OF NORTH = -0 40 19.983 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.123	2 40 49.775	2 0 29.791	0.901	2 0 28.891	2853.990	0.999809936	2854.533
61	177 25 50.277	176 45 30.294	-1.127	176 45 31.421	3574.110	0.999809778	3574.790

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 XU = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 926931.554
 Y = 739362.733

LONG. = 32 18 9.93277 CONTRACTION RATIO = 1.000190694
 LAT. = 31 2 53.39669 DIRECTION OF NORTH = -0 40 19.183

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
1795	191 3 58.778	190 23 39.594	-1.071	190 23 40.666	3448.842 ^M	0.999810293	3449.486 ^M
61	359 51 25.002	359 11 5.819	0.903	359 11 4.916	2855.041 ^M	0.999809405	2855.586 ^M

1795

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 923538.669

LONG. = 32 17 44.97498 CONTRACTION RATIO = 1.000188791 Y = 738740.351

LAT. = 31 1 3.49401 DIRECTION OF NORTH = -0 40 4.176 H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO.121	11 3 45.911	10 23 41.735	1.070	10 23 40.666	3448.842	0.999810293	3449.496
1798	269 14 51.153	268 34 46.977	-0.031	268 34 47.008	3972.652	0.999817206	3973.578

C58

THE COORDINATE SYSTEM : EGYPT RED BELT

LONG. = 31 0 0.0 X0 = 810000.000^M
 LAT. = 30 0 0.0 Y0 = 615000.000
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 923123.770^M
 Y = 729794.190

LONG. = 32 12 7.60351 CONTRACTION RATIO = 1.000162479
 LAT. = 31 0 53.28795 DIRECTION OF NORTH = -0 37 10.083

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
1798	86 58 46.544	86 21 36.461	0.094	86 21 36.367	4983.212 ^M	0.999830357	4984.058 ^M
NO.108	271 5 27.269	270 28 17.186	0.012	270 28 17.174	5061.090 ^M	0.999844552	5061.877 ^M
NO.107	358 16 7.455	357 38 57.372	1.575	357 38 55.798	5401.379 ^M	0.999837862	5402.255 ^M

THE COORDINATE SYSTEM : EGYPT RED BELT

61

LONG. = 31 0 0.0
 LAT. = 30 0 0.0
 CONTRACTION RATIO ON X-AXIS = 1.0000000000

X = 929786.850
 Y = 739322.100

LONG. = 32 18 9.66386
 LAT. = 31 4 26.09951

CONTRACTION RATIO = 1.000190568
 DIRECTION OF NORTH = -0 40 20.850

H =

STATION AROUND	AZIMUTH	DIRECTION T	T-SMALL(T)	SMALL(T)	DISTANCE S	S/SMALL(S)	SMALL(S)
NO-121	179 51 24.863	179 11 4.013	-0.903	179 11 4.916	2855.041 ^M	0.999809405	2855.586 ^M
NO-122	357 25 53.399	356 45 32.549	1.128	356 45 31.421	3574.110 ^M	0.999809778	3574.790 ^M

Sheets of computed levelling

LEVELING COMPUTATION SHEETS

File Page No. /

185

Route (/) Instrument _____

From _____ Computed By _____

To _____ Checked By _____

Date _____

Point	Difference				Corr. For Closure	Adjusted Elevation	Height Of Stake	Ground Elevation	Remarks
	I	II	+	-					
BM 3312	m		m	m	mm	m		m	
BM 3311	0.244	0.341		0.239	検測			0.260	(2.070)
BM	0.183	0.183		0.183				0.280	
	+ 0.443	437	0.440					0.597	
(1)	+ 0.283	267	0.275					1.037	
(2)	+ 0.422	422	0.422					1.312	
(3)	- 0.104	090		0.097				1.234	
(4)	0.000	011		0.006				1.637	
(5)	0.071	081		0.076				1.631	
(7)	+ 0.053	052	0.052					1.585	
(4)	0.004	004		0.004				1.607	
(3)	+ 0.195	190	0.192					1.603	
(2)	+ 0.003	001	0.001					1.795	
(1)	0.185	183		0.184				1.796	
(10)	+ 0.142	142	0.142					1.612	
(9)	0.554	554		0.554				1.754	
(8)	+ 0.283	278	0.280					1.200	
(7)	0.458	462		0.460				1.480	
(6)	+ 0.240	233	0.236					1.020	
(5)	+ 0.341	340	0.340					1.256	
(4)	0.313	306		0.310				1.596	
(3)	+ 0.020	018	0.019					1.586	
(2)	+ 0.017	011	0.014					1.305	
(1)	+ 0.068	080	0.074					1.319	
								1.393	
(+)-(-)									
Dh									
Difference of Closure									
						Closure Point			
						Start Point			
						Dh			

LEVELING COMPUTATION SHEETS

File Page No. 2

186

Route (/) Instrument _____
 From _____ Computed By _____
 To _____ Checked By _____
 Date _____

Point	Difference				Corr. For Closure	Adjusted Elevation	Height Of Stake	Ground Elevation	Remarks
	I	II	+	-					
	m		m	m	mm	m		m	
(1)	- 0.075	0.81	,	0.078		,		1.393	✓
B.M.6	- 2.107	1.06	,	0.106		,		1.315	✓
K.B.M	0.505	1.07	,	0.506		,		1.209	✓
(7)	+ 2.141	1.32	2.136	,		,		0.703	✓
(6)	0.502	1.53	,	0.542		,		2.039	✓
(5)	+ 0.543	0.53	0.548	,		,		2.297	✓
NO 108	0.614	1.96	,	0.605		,		3.145	✓
(4)	1.703	1.72	,	1.727		,		2.540	✓
NO 109	+ 0.209	1.99	0.204	,		,		0.813	✓
(3)	0.278	0.86	,	0.282		,		1.017	✓
(2)	+ 0.520	1.16	0.518	,		,		0.735	✓
(1)	+ 1.606	1.600	1.603	,		,		1.353	✓
NO 110	1.672	1.664	,	1.668		,		2.846	✓
(3)	+ 0.207	2.07	0.207	,		,		1.188	✓
(2)	+ 0.143	1.05	0.139	,		,		1.395	✓
NO 111	0.763	1.740	,	0.750		,		1.594	✓
(1)	+ 1.600	1.600	1.600	,		,		0.784	✓
NO 112	1.529	1.528	,	1.528		,		2.472	✓
B.M.1	+ 1.369	1.361	1.365	,		,		0.944	✓
NO 113	1.291	1.291	,	1.293		,		2.009	✓
(1)	0.254	1.240	,	0.247		,		1.015	✓
(2)	+ 1.333	1.328	1.330	,		,		0.789	✓
NO 114	1.479	1.480	,	1.480		,		2.099	✓
(4)								0.619	✓
+ -									
(+)-(-)									
Dh									
Difference of Closure									
							Closure Point		
							Start Point		
							Dh		

LEVELING COMPUTATION SHEETS

Route (/) Instrument _____

From _____ Computed By _____

To _____ Checked By _____

Date _____

Point	Difference				Corr. For Closure	Adjusted Elevation	Height Of Stake	Ground Elevation	Remarks
	I	II	+	-					
	m		m	m	mm	m		m	
(4)	- 0.051	0.053	,	0.002		,		0.619	
(3)	+ 0.271	0.262		0.266		,		0.567	
(2)	- 0.273	0.247	,	0.265		,		0.833	
(1)	+ 4.693	4.686		4.690		,		0.568	
(1-1)	3.712	3.744	,	3.708		,		5.258	
(2)	- 0.406	0.388	,	0.397		,		1.555	
BM2	+ 0.570	0.560		0.565		,		1.158	
(4)	- 0.011	0.008	,	0.010		,		1.723	
(3)	- 0.101	0.098	,	0.100		,		1.413	
(2)	- 0.189	0.203	,	0.184		,		1.313	
(1)	+ 0.313	0.314		0.314		,		1.129	
BM3	+ 0.334	0.336		0.335		,		1.443	
(1)	+ 0.054	0.054		0.054		,		1.778	
(2)	- 0.010	0.019	,	0.014		,		1.852	
(3)	- 0.200	0.221	,	0.210		,		1.818	
(4)	+ 0.167	0.147		0.157		,		1.608	
(5)	- 0.100	0.127	,	0.128		,		1.765	
(1-2) KBM4	+ 0.131	0.146		0.138		,		1.637	
(1)	- 0.208	0.212	,	0.208		,		1.775	
(2)	+ 0.046	0.059		0.052		,		1.567	
(3)	+ 0.335	0.323		0.329		,		1.619	
(4)	- 0.018	0.021	,	0.014		,		1.948	
(5)	- 0.282	0.279	,	0.280		,		1.934	
(6)	- 0.376	0.377	,	0.376		,		1.654	
(7)	+ 0.217	0.211		0.211		,			
BM5	Dh								
Difference of Closure									
								Closure Point	1.278
								Start Point	1.489
								Dh	

LEVELING COMPUTATION SHEETS

File Page No. /

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Route (2) Instrument _____

From _____ Computed By _____

To _____ Checked By _____

Date _____

Point	Difference				Corr. For Closure	Adjusted Elevation	Height Of Stake	Ground Elevation	Remarks
	I	II	+	-					
	m		m	m	mm	m		m	
KBM	+	0.246	249	0.242				1.209	
(1)		0.246	245		0.260			1.461	
(2)		0.426	428		0.427			1.101	
(3)	+	0.195	195	0.195				0.674	
NO107-1	+	0.441	447	0.444				0.869	
(4)	+	2.010	014	2.012				1.413	
NO106		0.307	302		1.304			3.425	
(1)		0.708	708		0.708			2.091	
(2)		0.077	082		0.080			1.683	
NO105	+	0.712	714	0.713				1.303	
(3)	+	0.262	267	0.260				2.016	
NO104		0.268	269		0.268			2.266	
(3)		0.246	233		0.240			1.998	
(2)	+	1.714	716	1.715				1.658	
NO103		1.451	453		1.452			3.373	
(1)		0.331	331		0.331			1.921	
NO102	+	0.045	048	0.046				1.590	
(1)		0.463	461		0.462			1.636	
(2)	+	0.059	065	0.062				1.174	
NO101		0.302	301		0.302			1.236	
(3)	+	1.194	185	1.190				0.934	
NO100		0.948	944		0.946			2.124	
1	+	0.199	196	0.198				1.178	
2								1.376	

(+) - (-) Dh Difference of Closure	
--	--

Closure Point Start Point Dh	
------------------------------------	--

Sheets of observed tide

6月11日

6:00	0.36
9:00	0.36
12:00	0.36
15:00	0.36
18:00	0.37

平均: 0.365

6月12日

6:00	0.36
9:00	0.36
12:00	0.36
15:00	0.37
18:00	0.37

平均: 0.365

6月15日

6:00	0.35
9:00	0.35
12:00	0.38
15:00	0.38
18:00	0.38

平均: 0.36 ✓

6月16日

6:00	0.37
9:00	0.38
12:00	0.38
15:00	0.38
18:00	0.38

平均: 0.38 ✓

6月13日

6:00	0.36
9:00	0.36
12:00	0.37
15:00	0.37
18:00	0.38

平均: 0.37 ✓

6月14日

6:00	0.37
9:00	0.38
12:00	0.38
15:00	0.38
18:00	0.37

平均: 0.37 ✓

6月17日		6月18日		6月19日		6月20日	
6:00	0.37	6:00	0.35	6:00	0.37	6:00	0.37
9:00	0.38	9:00	0.37	9:00	0.38	9:00	0.38
12:00	0.37	12:00	0.36	12:00	0.38	12:00	0.38
15:00	0.38	15:00	0.37	15:00	0.37	15:00	0.37
18:00	0.38	18:00	0.37	18:00	0.38	18:00	0.38
<u>平均: 0.38</u>		<u>平均: 0.36</u>		<u>平均: 0.38</u>		<u>平均: 0.38</u>	

6月21日		6月22日		6月23日		6月24日	
6:00	0.09	6:00	0.05	6:00	0.08	6:00	0.06
9:00	0.07	9:00	0.05	9:00	0.06	9:00	0.06
12:00	0.08	12:00	0.05	12:00	0.06	12:00	0.06
15:00	0.05	15:00	0.05	15:00	0.06	15:00	0.06
18:00	0.07	18:00	0.05	18:00	0.06	18:00	0.06
<u>平均: 0.07</u>		<u>平均: 0.05</u>		<u>平均: 0.06</u>		<u>平均: 0.06</u>	

6月26日		6月27日	6月28日		
6:00	0.035	6:00	0.035	6:00	0.037
9:00	0.035	9:00	0.035	9:00	0.036
12:00	0.033	12:00	0.035	12:00	0.036
15:00	0.033	15:00	0.035	15:00	0.036
18:00	0.032	18:00	0.035	18:00	0.036
	平均: 0.032		平均: 0.035		平均: 0.036
6月26日	6月27日	6月28日	6月29日	6月30日	7月1日
6:00	0.036	6:00	0.037	6:00	0.037
9:00	0.035	9:00	0.036	9:00	0.036
12:00	0.033	12:00	0.036	12:00	0.036
15:00	0.035	15:00	0.036	15:00	0.036
18:00	0.036	18:00	0.036	18:00	0.036
	平均: 0.036		平均: 0.036		平均: 0.036

6月21日

6:00 0.37
 9:00 0.37
 12:00 0.36
 15:00 0.36
 18:00 0.37

平均: 0.37

6月22日

6:00 0.37
 9:00 0.37
 12:00 0.37
 15:00 0.37
 18:00 0.37

平均: 0.37

7月1日

6:00 0.36
 9:00 0.37
 12:00 0.37
 15:00 0.36
 18:00 0.36

平均: 0.36

7月2日

6:00 0.36
 9:00 0.35
 12:00 0.35
 15:00 0.37
 18:00 0.36

平均: 0.35

		7/10/11			
	6:00	0.035			
	9:00	0.036			
	12:00	0.035			
	15:00	0.036			
	18:00	0.037			
			<u>FTD: 0.036</u>		
		7/10/11			
	6:00	0.037			
	9:00	0.038			
	12:00	0.037			
	15:00	0.038			
	18:00	0.038			
			<u>FTD: 0.038</u>		
		7/10/11			
	6:00	0.038			
	9:00	0.038			
	12:00	0.038			
	15:00	0.038			
	18:00	0.038			
			<u>FTD: 0.038</u>		

Attachment

استمارة رقم 113 مساحة

وزارة الري

الهيئة المصرية العامة للمساحة
الإدارة العامة للجيوديزيا والحساب

مكتب المساحة العامة للري
مشرع
مركز المساحة العامة للري

COORDINATES OF POINTS

POINT No	PLACE	LATITUDE "	LONGITUDE "	ALTITUDE IN METRES	X METRES	Y METRES
58 ✓					923 123.77	729 794.19
59 ✓					924 669.55	740 341.65
61 ✓					929 786.71	739 321.90
62 ✓					921 327.29	733 737.75
63 ✓					932 160.46	738 193.96
64 ✓					932 602.91	739 452.66
65 ✓					935 782.52	739 269.05
66 ✓					942 513.63	739 042.66
67 ✓					940 878.87	741 349.49
69 ✓					931 852.50	734 654.89
70 ✓					934 791.72	736 192.77
					936 996.03	737 084.37
					947 314.77	738 124.94

Computed by

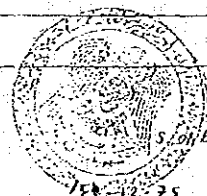
[Handwritten signature]

Revised by

[Handwritten signature]

Checked by

[Handwritten signature]
12/10/10



7112/1061
7411239

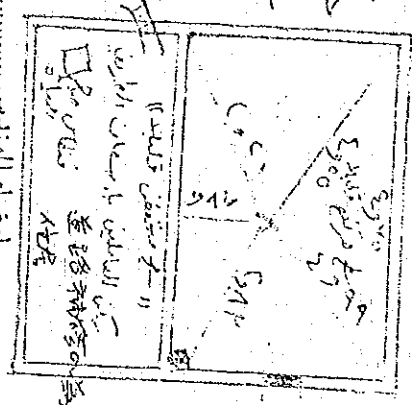
الهيئة المعمورة المسماة المساحة

(استمارة رقم ٢٩ - مساحة)

الهيئة المعمورة المسماة المساحة

بيانات ورسم تقريبي عن موقع قطعة الأرض رقم ١٠٠٠... هجوعه كالتالي

رقم الأرض	١٠٠٠	موضوعه	مساحة
الارتفاع أو التماس القطعة من سطح الأرض	تتوفر من	مستأجره	١٠٠٠
تتوفر من	تتوفر من	مستأجره	١٠٠٠
تاريخ الاستعداد	١٠٠٠	مستأجره	١٠٠٠
أخره هجوعه	١٠٠٠	مستأجره	١٠٠٠
تاريخ الاستعداد	١٠٠٠	مستأجره	١٠٠٠
أخره هجوعه	١٠٠٠	مستأجره	١٠٠٠



بنين أسلافه الطريف
مساحة ١٠٠٠

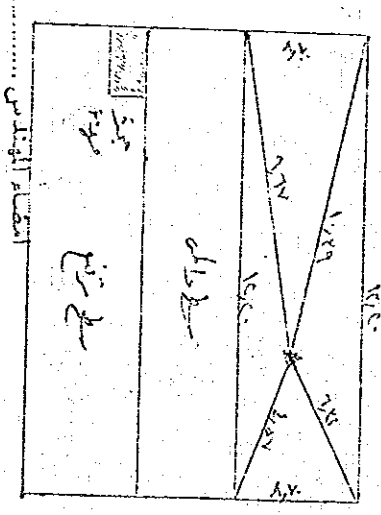
مساحة ١٠٠٠
١٢٢٢٢٢

(استمارة رقم ٢٩ - مساحة)

الهيئة المعمورة المسماة المساحة

بيانات ورسم تقريبي عن موقع قطعة الأرض رقم ١٠٠٠... هجوعه كالتالي

رقم الأرض	١٠٠٠	موضوعه	مساحة
الارتفاع أو التماس القطعة من سطح الأرض	تتوفر من	مستأجره	١٠٠٠
تتوفر من	تتوفر من	مستأجره	١٠٠٠
تاريخ الاستعداد	١٠٠٠	مستأجره	١٠٠٠
أخره هجوعه	١٠٠٠	مستأجره	١٠٠٠
تاريخ الاستعداد	١٠٠٠	مستأجره	١٠٠٠
أخره هجوعه	١٠٠٠	مستأجره	١٠٠٠



بنين أسلافه الطريف
مساحة ١٠٠٠

مساحة ١٠٠٠
١٢٢٢٢٢

