

Control Points for Height Model of Hong Kong (Version 1.0)

Point No.	Point Group	Latitude			Longitude			Ellipsoidal Height (H) (meter)	Local Height (h) (meter)
141	I	22	14	59.09628	114	10	28.81741	11.921	14.460
142		22	15	21.71561	114	12	44.85585	152.023	154.378
143		22	11	56.64407	114	13	13.50645	159.095	161.318
146		22	20	44.86275	114	12	54.42899	268.501	271.065
235		22	16	49.47712	114	08	7.24382	252.343	255.132
241		22	13	42.50101	114	15	20.69471	14.315	16.467
431		22	33	0.97297	114	09	27.65597	46.264	49.496
1025.05		22	14	51.63790	114	13	42.75582	161.623	163.874
10722		22	13	45.02268	114	09	41.75890	16.222	18.753
10733		22	12	54.04693	114	12	18.06103	58.580	60.888
20724		22	21	42.08029	114	01	0.98943	0.236	3.756
20725		22	20	58.07687	114	05	33.84524	209.673	212.793
20726		22	18	59.62112	114	14	53.05777	190.444	192.804
20727		22	17	22.06662	114	18	2.01429	95.209	97.325
20728		22	18	34.61121	114	10	15.53040	67.338	70.047
20729		22	22	47.71441	114	20	15.74747	63.122	65.316
20730		22	17	21.51728	114	18	1.12937	96.631	98.747
30833		22	25	57.50806	114	15	19.82396	0.684	3.342
30834		22	26	32.04185	114	11	1.54919	0.345	3.317
30835		22	28	13.65019	114	13	57.07242	0.289	3.103
7023.06		22	31	36.77259	114	12	27.86855	35.413	38.408
HKKT.1		22	26	41.66174	114	03	59.63436	34.557	38.062
HKLT		22	25	5.28272	113	59	47.84432	125.935	129.666
HKOH		22	14	51.67380	114	13	42.78789	166.418	168.689
HKQB		22	17	27.71715	114	12	47.62071	5.006	7.469
HKSC		22	19	19.81950	114	08	28.27647	20.227	23.119
HKSL		22	22	19.21691	113	55	40.73278	95.303	99.264
HKSS		22	25	51.84451	114	16	9.45642	38.709	41.289
HKST.1		22	23	42.97409	114	11	3.27018	258.727	261.534
HKWS		22	26	3.41646	114	20	7.35829	63.789	66.107
LOKO		22	21	44.39479	114	00	7.16531	2.273	5.907
QUAR		22	17	28.03258	114	12	47.04062	1.309	3.790
TAIM		22	16	12.96600	114	17	21.74587	1.690	3.813
TAIP		22	26	30.45152	114	10	58.17450	2.663	5.633
TSIM		22	29	12.19669	114	00	44.33851	-1.368	2.473
72	II	22	18	22.58350	114	14	32.12050	280.462	282.847
94		22	26	24.85837	114	02	53.02745	147.052	150.636
96		22	29	8.77718	114	00	1.07993	66.006	69.880
128		22	17	37.50729	114	14	37.83474	220.448	222.811
138		22	20	7.89448	114	09	49.68519	87.772	90.572
139		22	18	43.80901	114	11	1.95010	86.145	88.799
144		22	16	56.21812	114	11	49.05190	227.146	229.647
305		22	29	40.03536	114	03	56.11230	63.793	67.375
311		22	22	7.27708	114	01	7.78456	138.791	142.340
323		22	25	45.42450	114	00	8.97819	81.419	85.177
324		22	23	47.47879	113	55	3.86582	51.256	55.312
414		22	26	18.46955	114	05	53.57756	60.572	63.851
430		22	29	40.99527	114	08	17.51706	41.308	44.566
504		22	23	32.26284	114	11	2.65912	279.604	282.426
526		22	26	1.25743	114	10	29.30132	280.674	283.675
539		22	31	11.38535	114	13	22.06700	52.942	55.819
540		22	27	22.67582	114	15	9.39054	103.055	105.751
654		22	21	40.80450	114	22	18.81179	101.739	103.819
655		22	26	3.86035	114	20	7.25954	59.036	61.371
657		22	18	26.12707	114	17	48.71343	61.271	63.463
658		22	23	15.37548	114	18	1.81514	56.299	58.663
659		22	20	37.12422	114	15	34.18356	176.580	179.003
HKFN		22	29	40.87008	114	08	17.40609	41.210	44.463

Point No.	Point Group	Latitude			Longitude			Ellipsoidal Height (H)	Local Height (h)
		°	'	"	°	'	"	(meter)	(meter)
236	III	22	17	38.55813	113	56	7.69486	<i>76.454</i>	80.148
248		22	13	56.57690	113	57	25.24518	<i>2.824</i>	6.186
249		22	19	39.13263	114	00	45.01136	<i>64.443</i>	67.901
1115.03		22	14	56.22818	113	53	38.84886	<i>349.365</i>	353.085
12240		22	18	8.03337	113	58	42.08309	<i>11.511</i>	15.035
CHIM		22	14	22.18423	113	59	59.25469	<i>0.542</i>	3.804
HKMW		22	15	20.92522	114	00	11.43814	<i>194.965</i>	198.230
HKNP		22	14	56.63737	113	53	37.95000	<i>350.700</i>	354.421
HKPC		22	17	5.81671	114	02	16.22571	<i>18.123</i>	21.367
SHEK		22	13	18.53301	113	53	44.31655	<i>0.014</i>	3.709
TAIO		22	15	9.63992	113	51	11.12664	<i>-0.147</i>	3.862
75	IV	22	17	2.58950	114	04	34.70421	<i>116.383</i>	119.462
86		22	15	29.93613	113	51	20.81633	<i>73.358</i>	77.347
240		22	17	7.41136	113	56	22.12355	<i>72.165</i>	75.809
247		22	15	23.49016	114	00	4.76165	<i>192.423</i>	195.711
250		22	13	28.80768	113	53	58.40735	<i>144.825</i>	148.476

Note:

1. Reference frame of Geodetic Coordinates (Latitude, Longitude & Ellipsoidal Height) is ITRF96.
2. Vertical datum of local height is Hong Kong Principal Datum (HKPD).
3. The local height of Lantau Island and other islands is originated from mainland and then transferred to the islands by Cross Harbour Levelling.
4. Control points are classified in four groups as follows:
 - Group I.
 1. Points located in mainland (i.e. Hong Kong Island, Kowloon and New Territories).
 2. The local height is surveyed by Precise Levelling.
 - Group II.
 1. Points located in mainland (i.e. Hong Kong Island, Kowloon and New Territories).
 2. The local height is surveyed by combination of Precise Levelling and Precise Trigonometrical Heighting.
 - Group III.
 1. Points located in Lantau Island and other Islands.
 2. The local height is surveyed by combination of Cross Harbour Levelling and Precise Levelling.
 - Group IV.
 1. Points located in Lantau Island and other Islands.
 2. The local height is surveyed by combination of Cross Harbour Levelling, Precise Levelling and Precise Trigonometrical Heighting.
5. The Geodetic Coordinates (Latitude, Longitude & Ellipsoidal Height) of the control points are surveyed by GPS survey method.
6. The decimal figures of the ellipsoidal height (H) are shown in italic font and dimmed colour because the Geodetic Survey Section is going to carry out a comprehensive re-survey on the control points for improving the ellipsoidal height accuracy. Upon the re-survey is completed, the ellipsoidal height values may be revised accordingly for providing higher accuracy results on the ellipsoidal height values of the height model control points.

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