UNIVERSIDAD La Gran Colombia

IDF	TR	C_1	X_0	C_2
	3	2408.80	18.30	-1.03
	5	2529.50	17.50	-1.01
	10	2544.10	16.00	-0.99

I = C1 * (d + X0)^C2

Tramo No	Afluente a tramo No	POZO		Areas [ha]		Σ_{Area}	T_r	L_c	S_c	C_{Propio}	C_{propio}*$Area_{Propia}$	ΣC*A	Te	TC Afluente	tc	tc	Intens	$C_{ponderado}$	$Q_{DiseñoT}$	DEPÓSITOS $Q_{acumulado}$	Q_{salida}
		DE	A	Propia	Afluente	[ha]	[Años]	[m]	[m/m]			[ha]	[min]	[min]	Propio	Total	mm/H		[l/s]	[l/s]	[l/s]
1.00		1A	2A	0.09		0.09	5	34.07	0.0036	0.80	0.07	0.07	16.08		17.19	17.19	70.37	0.80	13.33		
1.00		2A	3A	0.51		0.60	5	204.4	0.0194	0.80	0.41	0.48	19.29	17.19	20.76	20.76	63.75	0.80	84.52		
1.00		3A	4A	0.12		0.72	5	25.45	0.01	0.80	0.10	0.58	12.97	20.76	22.80	22.80	60.48	0.80	96.85		
1.00		4A	5A	0.15		0.87	5	31.52	0.0092	0.80	0.12	0.70	13.69	22.80	27.87	27.87	53.67	0.80	104.25		
1.00		5A	6A	0.17		1.04	5	34.09	0.0033	0.80	0.14	0.83	16.33	27.87	29.95	29.95	51.29	0.80	118.89		
1.00		6A	7A	9.37		10.42	10	3721	0.0129	0.66	6.21	7.05	20.00	29.95	31.30	31.30	55.91	0.68	1095.37		
1.00		7A	8A	2.11		12.53	10	789.2	0.0066	0.83	1.75	8.80	20.00	31.30	31.97	31.97	55.13	0.70	1348.32		
1.00		8A	9A		1.72	14.25	10					9.23		31.97	32.01	32.01	55.08	0.65	1413.16		
1.00		9A	10A	0.09		14.35	10	37.47	0.0017	0.80	0.07	9.30	18.87	32.01	33.51	33.51	53.43	0.65	1381.76		
1.00		10A	11A			14.35	10					9.30		33.51	33.97	33.97	52.94	0.65	1369.17		
1.00		11A	12A	0.44		14.79	10	177.5	0.0052	0.85	0.38	9.68	20.00	33.97	35.11	35.11	51.78	0.65	1393.37		
1.00		12A	13A	1.95		16.74	10	778.6	0.0104	0.85	1.65	11.33	20.00	35.11	36.67	36.67	50.26	0.68		1213.57	370.00
1.00		13A	14A	0.02		16.76	10	8.802	0.0009	0.80	0.02	11.35	14.62	36.67	37.37	37.37	49.60	0.68	351.90		
2.00		14A	8B		13.23	29.99	10					22.52		37.37	37.44	37.44	49.54	0.75	1887.79		
1.00		1B	2B	0.20		0.20	5	41.15	0.0282	0.80	0.16	0.16	12.47		15.00	15.00	75.17	0.80	33.75		
1.00		2B	3B			0.20	5					0.16		15.00	15.04	15.04	75.08	0.80	33.71		
1.00		3B	4B	0.10		0.30	5	38.02	0.0017	0.80	0.08	0.24	18.95	15.04	19.72	19.72	65.54	0.80	43.28		
1.00		4B	5B		7.11	7.41	5					5.57		19.72	20.06	20.06	64.95	0.75	1006.56		
1.00		5B	6B	0.03	5.04	12.48	10	13.41	0.0052	0.80	0.03	9.59	12.48	20.06	20.93	20.93	71.42	0.77	1904.71		
1.00		6B	7B	0.12		12.60	10	48.01	0.0104	0.80	0.10	9.69	14.74	20.93	21.92	21.92	69.58	0.77	1874.39		
1.00		7B	8B	0.02	0.97	13.59	10	8.656	0.0009	0.80	0.02	10.45	14.56	21.92	22.23	22.23	69.02	0.77	2005.63		
1.00		8B	9B	0.12	34.26	47.98	10	24.43	0.0034	0.80	0.09	36.68	14.98	37.44	22.23	37.44	49.54	0.76	2383.96		
1.00		9B	10B		2.91	50.88	10					38.81		22.23	37.44	37.44	49.54	0.76		1877.42	800.00
1.00		10B	11B	0.26		51.15	10	52.41	0.0004	0.80	0.21	39.02	20.00	37.44	37.44	37.44	49.54	0.76	828.78		
1.00		11B	12B		6.73	57.88	10					44.63		37.44	37.44	37.44	49.54	0.77	2678.94		
1.00		12B	13B	3.44		61.32	10	1358	0.0011	0.63	2.16	46.79	20.00	37.44	37.98	37.98	49.05	0.76	2912.46		
1.00		13B	14B	0.10		61.41	10	21.25	0.001	0.80	0.08	46.86	17.80	37.98	38.70	38.70	48.41	0.76	2838.94		
1.00		14B	15B	1.47	5.79	68.68	10	568.7	0.0013	0.85	1.25	52.97	20.00	38.70	38.70	38.70	48.41	0.77	3661.08		
1.00		15B	16B	1.11	9.63	79.41	10	401.5	0.0021	0.84	0.93	61.16	20.00	38.70	39.20	39.20	47.98	0.77	4689.24		
1.00		16B	17B	0.27		79.68	10	56.43	0.004	0.80	0.21	61.37	18.00	39.20	39.45	39.45	47.76	0.77	4680.57		
1.00		1C	8A	1.72		1.72	5	689.3	0.0084	0.25	0.43	0.43	20.00		20.38	20.38	64.38	0.25	77.12		
1.00		1D	2D	4.05		4.05	5	831.1	0.0575	0.78	3.17	3.17	20.00		21.16	21.16	63.08	0.78	555.07		
1.00		2D	3D	0.19		4.24	5	37.34	0.0005	0.80	0.15	3.31	20.00	21.16	21.85	21.85	61.97	0.78	570.91		
1.00		3D	4D	2.87		7.11	5	1131	0.0006	0.70	2.02	5.34	20.00	21.85	22.42	22.42	61.06	0.75	906.05		
1.00		4D	5D			7.11	5					5.34		22.42	22.50	22.50	60.94	0.75	904.26		
1.00		5D	4B			7.11	5					5.34		22.50	22.57	22.57	60.84	0.75	902.66		
1.00		1E	2E	4.27		4.27	5	1131	0.0162	0.78	3.35	3.35	20.00		20.00	20.00	65.05	0.78	605.35		
1.00		2E	3E			4.27	5					3.35		20.00	20.00	20.00	65.05	0.78	605.35		
1.00		3E	5B	0.77		5.04	5	294.8	0.0101	0.84	0.64	3.99	20.00	20.00	20.00	20.00	65.05	0.79	721.95		
1.00		1F	7B	0.97		0.97	5	346.4	0.0169	0.77	0.75	0.75	20.00		20.27	20.27	64.58	0.77	133.80		
1.00		1G	2G	0.25		0.25	5	98.76	0.0313	0.80	0.20	0.20	14.69		15.00	15.00	75.17	0.80	41.28		
1.00		2G	3G	1.41		1.65	5	498.1	0.0005	0.84	1.19	1.38	20.00	15.00	21.97	21.97	61.77	0.84	237.69		
1.00		3G	4G	2.23		3.88	5	892.7	0.004	0.85	1.90	3.28	20.00	21.97	24.58	24.58	57.91	0.84	528.21		
1.00		4G	8B	0.39		4.27	5	155.8	0.0014	0.85	0.33	3.61	20.00	24.58	25.92	25.92	56.10	0.85	563.42		
1.00		1H	2H	2.41		2.41	5	563	0.0014	0.84	2.02	2.02	20.00		22.99	22.99	60.20	0.84	338.52		
1.00		2H	2I			2.41	5					2.02		22.99	24.85	24.85	57.53	0.84	323.51		
1.00		1I	2I	0.93		0.93	5	327	0.0949	0.83	0.76	0.76	15.67		16.61	16.61	71.59	0.83	152.19		
1.00		2I	3I	2.16	2.41	5.49	5	391.2	0.0027	0.84	1.80	4.59	20.00	24.85	20.31	24.85	57.53	0.84	734.28		
1.00		3I	4I			5.49	5					4.59		20.31	24.98	24.98	57.36	0.84	732.04		
1.00		4I	5I	0.73		6.22	5	255.2	0.0006	0.84	0.61	5.20	20.00	24.98	25.77	25.77	56.30	0.84	814.58		
1.00		5I	6I			6.22	5					5.20		25.77	27.04	27.04	54.67	0.84	791.08		
1.00		6I	7I	2.55		8.77	5	682.1	0.0021	0.85	2.17	7.37	20.00	27.04	27.04	27.04	54.67	0.84	1120.22		
1.00		7I	8I	0.78		9.54	5	311.1	0.0001	0.85	0.66	8.03	20.00	27.04	27.95	27.95	53.57	0.84	1195.95		
1.00		8I	9I	2.36		11.91	10	945.8	0.004	0.85	2.01	10.04	20.00	27.95	27.95	27.95	60.11	0.84	1678.01		
1.00		9I	14A	1.32		13.23	10	529.1	0.0014	0.85	1.12	11.17	20.00	27.95	28.85	28.85	58.92	0.84		1453.95	375.00
1.00		1J	9B	2.91		2.91	5	823.4	0.0066	0.73	2.13	2.13	20.00		20.21	20.21	64.69	0.73	383.20		
1.00		1K	2K	2.57		2.57	5	593.4	0.0015	0.84	2.15	2.15	20.00		21.27	21.27	62.90	0.84	375.88		
1.00		2K	3K	1.99		4.56	5	453.3	0.0022	0.84	1.66	3.81	20.00	21.27	22.78	22.78	60.53	0.84	641.17		
1.00		3K	4K	2.17		6.73	5	494.9	0.0037	0.83	1.80	5.61	20.00	22.78	24.18	24.18	58.47	0.83	912.00		
1.00		4K	11B			6.73	5					5.61		24.18	24.24	24.24	58.37	0.83	910.49		
1.00		1L	2L	2.06		2.06	5	434.9	0.0019	0.84	1.73	1.73	20.00		21.69	21.69	62.22	0.84	299.36		
1.00		2L	3L	2.18		4.24	5	462.8	0.0017	0.84	1.83	3.56	20.00	21.69	23.33	23.33	59.70	0.84	590.86		
1.00		3L	4L	1.55		5.79	5	446	0.0025	0.84	1.30	4.86	20.00	23.33	24.64	24.64	57.82	0.84	781.51		
1.00		4L	14B			5.79	5					4.86		24.64	24.71	24.71	57.72	0.84	780.14		
1.00		1M	2M	8.78		8.78	5	3483	0.0105	0.75	6.57	6.57	20.00		20.00	20.00	65.05	0.75	1188.83		
1.00		2M	3M	0.85		9.63	5	315.7	0.0414	0.80	0.68	7.25	18.99	20.00	20.00	20.00	65.05	0.75	1311.37		
1.00		3M	4M			9.63	5					7.25		20.00	20.00	20.00	65.05	0.75	1311.37		
1.00		4M	15B			9.63	5					7.25		20.00	20.04	20.04	64.99	0.75	1310.13		

ANALISIS HIDRAULICO

POZO DE	POZO A	L	P	$Ø_{tub}$	$Ø_{tub}$	η	Y_{Normal}	Y_c	V_r	F_{roud}	$F_{Tractiva}$	$V^2/2g$	Energía	$V_ø$	$Q_ø$	$Q/Q_ø$
		[m]	[%]	[" , m]	[" , m]		[m]	[m]	[m/s]		[kg/m²]	[m]	[m]	[m/s]	[l/s]	
1A	2A	26.23	0.19	52	1.30	0.013	0.0803	0.0584	0.39	0.54	0.10	0.01	0.09	1.59	2110.87	0.01
2A	3A	81.53	0.49	52	1.30	0.013	0.1575	0.1492	0.92	0.90	0.49	0.04	0.20	2.55	3386.37	0.02
3A	4A	102.38	0.33	52	1.30	0.013	0.1853	0.1600	0.84	0.75	0.38	0.04	0.22	2.10	2786.05	0.03
4A	5A	112.55	0.03	52	1.30	0.013	0.3443	0.1657	0.37	0.24	0.06	0.01	0.35	0.65	864.66	0.12
5A	6A	96.84	0.23	52	1.30	0.013	0.2249	0.1771	0.77	0.63	0.32	0.03	0.26	1.74	2314.77	0.05
6A	7A	102.21	0.16	60	1.50	0.013	0.7366	0.5310	1.27	0.53	0.58	0.08	0.82	1.59	2801.54	0.39
7A	8A	69.11	0.31	64	1.60	0.013	0.6633	0.5803	1.71	0.77	1.10	0.15	0.81	2.34	4713.03	0.29
8A	9A	8.67	2.48	80	2.00	0.013	0.3706	0.5570	3.52	2.21	5.58	0.63	1.00	7.64	24007.35	0.06
9A	10A	117.90	0.15	80	2.00	0.013	0.7408	0.5505	1.31	0.56	0.62	0.09	0.83	1.90	5975.08	0.23
10A	11A	47.74	0.34	80	2.00	0.013	0.5993	0.5480	1.73	0.84	1.17	0.15	0.75	2.84	8910.79	0.15
11A	12A	80.29	0.11	80	2.00	0.013	0.8038	0.5530	1.18	0.49	0.49	0.07	0.87	1.64	5162.18	0.27
12A	13A	91.45	0.06	80	2.00	0.013	1.0266	0.5906	0.98	0.35	0.31	0.05	1.08	1.19	3739.87	0.10
13A	14A	35.21	0.04	80	2.00	0.013	0.5189	0.2739	0.54	0.29	0.12	0.02	0.53	0.97	3040.83	0.12
14A	8B	6.54	0.15	80	2.00	0.013	0.8754	0.6467	1.43	0.56	0.70	0.10	0.98	1.90	5962.82	0.32
1B	2B	16.26	0.09	80	2.00	0.013	0.1325	0.0840	0.38	0.40	0.08	0.01	0.14	1.47	4631.89	0.01
2B	3B	3.72	5.63	80	2.00	0.013	0.0488	0.0840	1.67	2.95	1.81	0.14	0.19	11.51	36170.16	0.00
3B	4B	113.12	0.09	80	2.00	0.013	0.1505	0.0952	0.40	0.40	0.09	0.01	0.16	1.46	4579.14	0.01
4B	5B	52.07	1.35	80	2.00	0.013	0.3643	0.4679	2.57	1.63	2.99	0.34	0.70	5.63	17693.67	0.06
5B	6B	80.40	0.19	80	2.00	0.013	0.8339	0.6497	1.54	0.62	0.82	0.12	0.95	2.10	6586.83	0.29
6B	7B	91.24	0.19	80	2.00	0.013	0.8194	0.6443	1.55	0.63	0.84	0.12	0.94	2.13	6697.66	0.28
7B	8B	30.24	0.21	80	2.00	0.013	0.8323	0.6674	1.62	0.65	0.92	0.13	0.97	2.22	6960.44	0.29
8B	9B	80.21	0.01	86	2.57	0.011	1.7421	0.6784	0.64	0.16	0.08	0.02	1.76	0.68	3512.65	0.68
9B	10B	82.69	0.00	86	2.15	0.013	1.7412	0.4078	0.25	0.06	0.02	0.00	1.74	0.25	909.50	0.88
10B	11B	91.68	0.00	86	2.15	0.013	1.8704	0.4152	0.25	0.05	0.01	0.00	1.87	0.24	863.74	0.96
11B	12B	67.41	0.08	86	2.15	0.013	1.2498	0.7589	1.22	0.38	0.44	0.08	1.33	1.40	5086.63	0.53
12B	13B	62.47	0.13	86	2.15	0.013	1.1161	0.7925	1.53	0.52	0.73	0.12	1.24	1.86	6741.02	0.43
13B	14B	83.87	0.14	92	2.30	0.013	1.0568	0.7666	1.52	0.54	0.75	0.12	1.18	1.97	8197.17	0.35
14B	15B	52.35	0.04	92	2.30	0.013	1.8094	0.8747	1.04	0.24	0.27	0.06	1.86	1.04	4327.02	0.85
15B	16B	102.82	0.58	92	2.30	0.013	0.9394	0.9952	2.94	1.12	2.90	0.44	1.38	4.06	16854.12	0.28
16B	17B	52.91	0.60	92	2.30	0.013	0.9319	0.9942	2.96	1.13	2.96	0.45	1.38	4.11	17080.24	0.27
1C	8A	7.97	0.04	80	2.00	0.013	0.2476	0.1274	0.35	0.27	0.06	0.01	0.25	0.94	2958.73	0.03
1D	2D	73.02	0.14	36	0.90	0.013	0.6965	0.4351	1.05	0.40	0.37	0.06	0.75	1.05	671.05	0.83
2D	3D	62.28	0.37	36	0.90	0.013	0.5182	0.4414	1.51	0.74	0.90	0.12	0.63	1.73	1102.00	0.52
3D	4D	46.76	0.19	40	1.00	0.013	0.7961	0.5442	1.35	0.47	0.59	0.09	0.89	1.34	1053.70	0.86
4D	5D	10.17	0.73	40	1.00	0.013	0.5254	0.5437	2.16	1.07	1.88	0.24	0.76	2.61	2048.81	0.44
5D	4B	12.32	1.71	40	1.00	0.013	0.4154	0.5432	2.93	1.67	3.77	0.44	0.85	4.00	3142.63	0.29
1E	2E	34.11	1.20	18	0.45	0.013	Y > ø							1.97	313.12	1.93
2E	3E	53.51	0.37	18	0.45	0.013	Y > ø							1.10	174.61	3.47
3E	5B	9.75	2.05	18	0.45	0.013	Y > ø							2.57	409.11	1.76
1F	7B	18.88	0.70	80	2.00	0.013	0.1584	0.1680	1.15	1.12	0.71	0.07	0.23	4.06	12749.61	0.01
1G	2G	102.28	0.41	44	1.10	0.013	0.1219	0.1085	0.72	0.79	0.32	0.03	0.15	2.09	1984.35	0.02
2G	3G	78.37	0.09	64	1.60	0.013	0.3750	0.2383	0.66	0.41	0.20	0.02	0.40	1.25	2513.69	0.09
3G	4G	104.61	0.05	64	1.60	0.013	0.6647	0.3580	0.67	0.30	0.17	0.02	0.69	0.91	1838.79	0.29
4G	8B	110.31	0.34	64	1.60	0.013	0.4122	0.3701	1.37	0.81	0.83	0.10	0.51	2.46	4936.40	0.11
1H	2H	134.47	0.08	40	1.00	0.013	0.5594	0.3257	0.75	0.35	0.22	0.03	0.59	0.87	686.90	0.49
2H	2I	88.91	0.10	40	1.00	0.013	0.5133	0.3184	0.80	0.40	0.26	0.03	0.55	0.97	764.10	0.42
1I	2I	39.46	0.13	36	0.90	0.013	0.3368	0.2224	0.70	0.45	0.23	0.03	0.36	1.01	645.48	0.24
2I	3I	22.89	0.21	64	1.60	0.013	0.5358	0.4240	1.24	0.63	0.63	0.08	0.61	1.92	3851.39	0.19
3I	4I	10.60	0.28	64	1.60	0.013	0.4952		1.38	0.74	0.79	0.10	0.59	2.22	4473.61	0.16
4I	5I	67.85	0.29	64	1.60	0.013	0.5218	0.4473	1.43	0.74	0.84	0.10	0.63	2.24	4497.38	0.18
5I	6I	89.55	0.17	64	1.60	0.013	0.5907	0.4404	1.17	0.57	0.54	0.07	0.66	1.71	3442.26	0.23
6I	7I	86.65	0.00	64	1.60	0.013	Y > ø							0.25	494.90	2.26
7I	8I	73.75	0.18	64	1.60	0.013	0.7263	0.5453	1.35	0.58	0.66	0.09	0.82	1.76	3531.30	0.34
8I	9I	105.04	0.01	64	1.60	0.013	Y > ø							0.37	734.00	2.29
9I	14A	110.09	0.40	64	1.60	0.013	0.7302	0.6800	2.05	0.87	1.52	0.21	0.94	2.66	5347.42	0.34
1J	9B	20.19	0.81	80	2.00	0.013	0.2562	0.2861	1.63	1.24	1.30	0.14	0.39	4.36	13702.59	0.03
1K	2K	71.98	0.14	36	0.90	0.013	0.5402	0.3549	0.94	0.45	0.35	0.05	0.59	1.06	675.91	0.56
2K	3K	84.74	0.09	44	1.10	0.013	0.7423	0.4411	0.94	0.37	0.30	0.05	0.79	1.00	951.45	0.67
3K	4K	86.70	0.09	44	1.10	0.013	0.9661	0.5301	1.03	0.30	0.31	0.05	1.02	0.99	940.67	0.97
4K	11B	8.90	0.75	44	1.10	0.013	0.4995	0.5297	2.17	1.12	1.94	0.24	0.74	2.83	2686.59	0.34
1L	2L	78.35	0.10	44	1.10	0.013	0.4699	0.2976	0.77	0.41	0.25	0.03	0.50	1.04	989.49	0.30
2L	3L	98.65	0.12	44	1.10	0.013	0.6539	0.4227	1.00	0.43	0.37	0.05	0.71	1.14	1080.01	0.55
3L	4L	88.84	0.14	44	1.10	0.013	0.7512	0.4890	1.13	0.44	0.44	0.07	0.82	1.20	1138.08	0.69
4L	14B	10.57	1.14	44	1.10	0.013	0.4122	0.4886	2.40	1.38	2.55	0.29	0.71	3.47	3299.50	0.24
1M	2M	11.77	0.79	27	0.70	0.013	Y > ø							2.14	824.60	1.44
2M	3M	69.89	0.88	27	0.70	0.013	Y > ø							2.26	870.29	1.51
3M	4M	17.91	0.30	27	0.70	0.013	Y > ø							1.31	504.69	2.60
4M	15B	8.36	2.65	27	0.70	0.013	0.5614	0.6645	3.96	1.64	5.63	0.80	1.36	3.92	1508.91	0.87

PERFILES COLECTORES

POZO DE	POZO A	Caida	Cota Clave		Cota Batea		C B SALIDA	FILA CB SALIDA	Cota Rasante		Camara	Recubrimiento		H_{Pozo}
		[m]	Super	Infer	Super	Infer			Super	Infer	Caida	Super	Infer	[m]
1A	2A		2541.10	2541.05	2539.80	2539.75			2545.24	2545.12		4.14	4.07	5.44
2A	3A		2541.05	2540.65	2539.75	2539.35			2545.12	2544.31		4.07	3.66	5.37
3A	4A	0.29	2540.36	2540.02	2539.06	2538.72			2544.31	2543.37	0.29	3.95	3.35	5.25
4A	5A	0.09	2539.93	2539.89	2538.63	2538.59			2543.37	2543.00	0.09	3.44	3.11	4.74
5A	6A	0.14	2539.76	2539.53	2538.46	2538.23			2543.00	2541.75	0.14	3.24	2.22	4.54
6A	7A	1.13	2538.60	2538.44	2537.10	2536.94			2541.75	2541.08	1.13	3.15	2.64	4.65
7A	8A	0.33	2538.21	2538.00	2536.61	2536.40			2541.08	2541.62	0.33	2.87	3.63	4.47
8A	9A	0.87	2537.52	2537.31	2535.52	2535.31			2541.62	2540.88	0.87	4.10	3.57	6.10
9A	10A		2537.31	2537.13	2535.31	2535.13			2540.88	2541.08		3.57	3.96	5.57
10A	11A	-0.01	2537.13	2536.97	2535.13	2534.97			2541.08	2540.83	-0.01	3.95	3.86	5.95
11A	12A		2536.97	2536.88	2534.97	2534.88			2540.83	2540.00		3.86	3.12	5.86
12A	13A		2536.88	2536.82	2534.88	2534.82			2540.00	2540.10		3.12	3.28	5.12
13A	14A	0.02	2536.80	2536.79	2534.80	2534.79	0.03	27	2540.10	2540.10	0.02	3.30	3.31	5.30
14A	8B	0.03	2536.76	2536.75	2534.76	2534.75			2540.10	2541.15	0.03	3.34	4.40	5.34
1B	2B		2539.21	2539.19	2537.21	2537.19			2541.64	2541.59		2.43	2.40	4.43
2B	3B		2539.19	2538.98	2537.19	2536.98			2541.59	2540.97		2.40	1.99	4.40
3B	4B	-0.26	2539.24	2539.14	2537.24	2537.14			2540.97	2541.08	-0.26	1.73	1.94	3.73
4B	5B		2539.14	2538.44	2537.14	2536.44			2541.08	2540.00		1.94	1.56	3.94
5B	6B		2538.44	2538.29	2536.44	2536.29			2540.00	2540.00		1.56	1.71	3.56
6B	7B	-0.55	2538.84	2538.66	2536.84	2536.66			2540.00	2541.06	-0.55	1.16	2.40	3.16
7B	8B	0.05	2538.61	2538.55	2536.61	2536.55			2541.06	2541.15	0.05	2.45	2.60	4.45
8B	9B	0.55	2538.57	2538.56	2536.00	2535.99			2541.15	2541.42	0.13	2.58	2.86	5.15
9B	10B	-0.33	2538.47	2538.47	2536.32	2536.32			2541.42	2541.39	0.09	2.95	2.92	5.10
10B	11B		2538.47	2538.47	2536.32	2536.32			2541.39	2541.42		2.92	2.95	5.07
11B	12B		2538.47	2538.42	2536.32	2536.27			2541.42	2541.35		2.95	2.93	5.10
12B	13B		2538.42	2538.33	2536.27	2536.18			2541.35	2541.28		2.93	2.95	5.08
13B	14B	0.19	2538.29	2538.18	2535.99	2535.88			2541.28	2541.18	0.19	2.99	3.00	5.29
14B	15B	-0.11	2538.29	2538.27	2535.99	2535.97			2541.18	2541.29	-0.11	2.89	3.02	5.19
15B	16B	0.14	2538.13	2537.53	2535.83	2535.23			2541.29	2541.53	0.14	3.16	4.00	5.46
16B	17B		2537.53	2537.22	2535.23	2534.92			2541.53	2541.32		4.00	4.10	6.40
1C	8A		2539.25	2539.24	2537.25	2537.24			2541.61	2541.62		2.36	2.38	4.36
1D	2D		2538.52	2538.42	2537.62	2537.52			2539.97	2539.93		1.45	1.51	2.35
2D	3D		2538.42	2538.19	2537.52	2537.29			2539.93	2539.95		1.51	1.76	2.41
3D	4D	0.10	2538.19	2538.10	2537.19	2537.10			2539.95	2539.98	0.10	1.76	1.88	2.76
4D	5D	0.18	2537.92	2537.85	2536.92	2536.85			2539.98	2539.76	0.18	2.06	1.91	3.06
5D	4B		2537.85	2537.64	2536.85	2536.64			2539.76	2541.08		1.91	3.45	2.91
1E	2E		2538.47	2538.06	2538.02	2537.61			2540.75	2540.50		2.28	2.44	2.73
2E	3E	0.04	2538.02	2537.82	2537.57	2537.37			2540.50	2539.96	0.04	2.48	2.14	2.93
3E	5B	-0.20	2538.02	2537.82	2537.57	2537.37			2539.96	2540.00	-0.20	1.94	2.18	2.39
1F	7B	2.20	2538.75	2538.61	2536.75	2536.61	0.82	35	2541.64	2541.06	2.20	2.89	2.45	4.89
1G	2G		2538.72	2538.30	2537.62	2537.20			2539.75	2539.80		1.03	1.50	2.13
2G	3G	0.50	2538.30	2538.23	2536.70	2536.63			2539.80	2539.73	0.50	1.50	1.50	3.10
3G	4G		2538.23	2538.18	2536.63	2536.58			2539.73	2540.15		1.50	1.97	3.10
4G	8B		2538.18	2537.80	2536.58	2536.20	0.01	36	2540.15	2541.15		1.97	3.35	3.57
1H	2H		2539.09	2538.98	2538.09	2537.98			2540.11	2540.30		1.02	1.32	2.02
2H	2I		2538.98	2538.89	2537.98	2537.89	0.01	69	2540.30	2540.06		1.32	1.17	2.32
1I	2I		2539.86	2539.81	2538.96	2538.91			2540.90	2540.06		1.04	0.25	1.94
2I	3I	1.07	2539.44	2539.39	2537.84	2537.79			2540.06	2540.86	1.07	0.62	1.47	2.22
3I	4I		2539.39	2539.36	2537.79	2537.76			2540.86	2540.87		1.47	1.50	3.07
4I	5I		2539.36	2539.17	2537.76	2537.57			2540.87	2540.90		1.50	1.73	3.10
5I	6I	0.01	2539.16	2539.01	2537.56	2537.41			2540.90	2540.71	0.01	1.74	1.70	3.34
6I	7I		2539.01	2539.01	2537.41	2537.41			2540.71	2540.71		1.70	1.70	3.30
7I	8I	-0.09	2539.10	2538.97	2537.50	2537.37			2540.71	2540.71	-0.09	1.61	1.74	3.21
8I	9I		2538.97	2538.96	2537.37	2537.36			2540.71	2540.91		1.74	1.95	3.34
9I	14A		2538.96	2538.51	2537.36	2536.91	0.03	27	2540.91	2540.10		1.95	1.59	3.55
1J	9B		2538.64	2538.47	2536.64	2536.47	0.13	37	2541.75	2541.42		3.12	2.95	5.12
1K	2K		2538.80	2538.70	2537.90	2537.80			2540.13	2540.24		1.33	1.54	2.23
2K	3K	0.26	2538.64	2538.56	2537.54	2537.46			2540.24	2540.43	0.26	1.60	1.87	2.70
3K	4K	0.07	2538.49	2538.41	2537.39	2537.31			2540.43	2540.75	0.07	1.94	2.34	3.04
4K	11B	0.54	2537.87	2537.80	2536.77	2536.70	0.01	39	2540.75	2541.42	0.54	2.88	3.62	3.98
1L	2L		2538.80	2538.72	2537.70	2537.62			2540.00	2540.15		1.20	1.43	2.30
2L	3L	0.04	2538.68	2538.56	2537.58	2537.46			2540.15	2540.32	0.04	1.47	1.76	2.57
3L	4L	0.04	2538.52	2538.40	2537.42	2537.30			2540.32	2540.54	0.04	1.80	2.14	2.90
4L	14B	-0.12	2538.52	2538.40	2537.42	2537.30			2540.54	2541.18	-0.12	2.02	2.78	3.12
1M	2M		2538.54	2538.44	2537.84	2537.74			2539.93	2539.45		1.40	1.00	2.10
2M	3M	0.12	2538.32	2537.71	2537.62	2537.01			2539.45	2539.80	0.12	1.12	2.09	1.82
3M	4M	0.18	2537.53	2537.48	2536.83	2536.78			2539.80	2540.09	0.18	2.27	2.61	2.97
4M	15B	0.28	2537.19	2536.97	2536.49	2536.27			2540.09	2541.29	0.28	2.89	4.32	3.59