Let A, B, C, &c., be the indeterminate factors, then the values of the corrections (x) in terms of these factors are—

x_1	=			+D	+E		+	6·718 H	+	1·725 I			−	·845 K
x_2	=		+C	+D			−	1·137 H	+	1·725 I	+	2·521 J	+	·292 K
x_3	=		+C	+D	+F		−	1·137 H	−	2·792 I	−	2·792 J	+	·292 K
x_4	=		+C	+D	+F		+	·301 H	+	·301 I	+	·301 J		
x_5	=	+B	+C		+F		+	·301 H	−	·524 I	+	·301 J		
x_6	=	+A	+B		+F		−	·524 H	−	·524 I	−	·524 J		
x_7	=	+A	+B		+F		+	·729 H	−	2·173 I	+	2·173 J		
x_8	=	+A	+B				+	·729 H	−	1·196 I	−	1·790 J		
x_9	=		+B				−	5·291 H	−	1·196 I				
x_{10}	=		+B				+	·751 H	+	·752 I				
x_{11}	=		+B		+E		−	·651 H	+	·752 I				
x_{12}	=			+D	+E		−	·651 H	−	·651 I			+	·651 K
x_{13}	=				+E	+G								
x_{14}	=					+G								
x_{15}	=	+A				+G					+	·493 J		
x_{16}	=		+C			+G					−	·458 J	−	·458 K

Substituting the values of (x) in the original equations we get the following normal equations between the factors:—

4 A	+ 3 B				+ 2 F	+ 1 G	+	·9340 H	+	·4530 I	+	·3520 J			=	+	2·9200
	7 B	+ 1 C		+ 1 E	+ 3 F		−	3·9560 H	+	·2370 I	+	·1600 J			=	+	1·1800
		5 C	+ 3 D		+ 3 F	+ 1 G	−	1·6720 H	−	1·2900 I	−	·1270 J	+	·1260 K	=	−	2·1600
			5 D	+ 2 E	+ 2 F		+	4·0940 H	+	·3080 I	+	·0300 J	+	·3900 K	=	−	1·4200
				4 E		+ 1 G	+	5·4160 H	+	1·8260 I			−	·1940 K	=	−	2·8700
					5 F		−	·3300 H	−	1·3660 I	−	·5410 J	+	·2920 K	=	+	1·5700
						4 G					+	·0350 J	−	·4580 K	=	−	2·0400
								78·6419 H	+	20·5485 I	+	1·0431 J	−	6·7645 K	=	+	11·1672
										23·5238 I	+	19·2142 J	−	2·1930 K	=	+	9·1210
												22·9852 J	+	·1305 K	=	+	6·7139
														1·5182 K	=	+	·0784

The solution of these equations gives—

A = + 0·0307″; B = − 0·3277″; C = + 0·8776″; D = −0·2713″; E = + 1·5942; F = − 0·6500; G = − 0·3522″; H = − 0·1634″; I = − 0·9817″; J = + 0·5397″; K = − 2·0248″.

Whence follow—

x_1	= + 0·2427″	x_2	= − 0·1320″	x_3	= + 0·7849″	x_4	= − 0·2259″
x_5	= + 0·5276	x_6	= − 0·6298	x_7	= − 2·0266	x_8	= − 0·2081
x_9	= + 1·7110	x_{10}	= − 1·1887	x_{11}	= + 0·6346	x_{12}	= + 0·7502
x_{13}	= + 1·2420	x_{14}	= − 0·3522	x_{15}	= − 0·0554	x_{16}	= + 1·2056

The seconds of the corrected spherical angles are therefore—

1 = 59·20″	2 = 11·02″	3 = 21·52″	4 = 14·21″
5 = 01·71	6 = 42·08	7 = 40·77	8 = 09·03
9 = 11·33	10 = 08·81	11 = 06·60	12 = 14·50
13 = 39·78	14 = 39·93	15 = 28·38	16 = 11·91

Lengths of sides in links—

	Links.		Links.
Woodside–Rimutaka	71066·92	Kaiwaewae–Rimutaka	74844·63
Woodside–Jury Hill	57322·06	Kaiwaewae–Jury Hill	56591·14
Bidwill–Rimutaka	81201·69	Rimutaka–Jury Hill	118977·76
Bidwill–Jury Hill	63506·70		