

Equal Altitudes – December 2016

ZD 17/12/2016
 Zone NZDST -13
 GD 17/12/16
 Calculated GHA 184 54.8 (for GPS long)
 Calculated LAN 13:15:41 (for GPS long)

GPS long E 175 05.2
 Sights taken with artificial horizon

Sight	Hs	Time1	Time2	Difference	Half-Diff	LAN	GHA	Long	
1	53 27.5	08:20:20	18:11:58	09:51:38	04:55:49	13:16:09	185 01.1	174 58.9	
2	55 29' 20"	08:25:45	18:06:00	09:40:15	04:50:08	13:15:53	184 57.1	175 02.9	
3	56 20.5	08:28:00							Deliberately skipped PM sight
4	57 27' 20"	08:30:57	18:00:29	09:29:32	04:44:46	13:15:43	184 55.1	175 04.9	
5	90 34	09:59:04	16:32:22	06:33:18	03:16:39	13:15:43	184 55.1	175 04.9	
6	91 11	10:00:43							Sun too fast to take PM sight
7	91 44	10:02:23							Sun too fast to take PM sight
8	92 19.5	10:04:02	16:27:52	06:23:50	03:11:55	13:15:57	184 58.1	175 01.9	
9	109 26' 10"	10:50:42	15:40:39	04:49:57	02:24:59	13:15:41	184 55.1	175 04.9	
10	111 31.5	10:55:59	15:35:49	04:39:50	02:19:55	13:15:54	184 58.1	175 01.9	
11	113 30.5	11:02:30	15:29:21	04:26:51	02:13:26	13:15:56	184 58.1	175 01.9	
					Average	13:15:52	184 57.1	175 02.9	