

DRIFT CALCULATIONS - EAST MEREENIE NO. 3

<u>Depth</u>	<u>Deviation</u>	<u>Difference</u>	<u>Mean Dev.</u>	<u>Max. Horizon Drift</u>	<u>Cum.</u>	<u>Vertical Depth Correction</u>	<u>Cum.</u>	<u>True Vertical Depth</u>
2705	1°							2705
		30	1 $\frac{3}{8}$ °	0.72	0.72	0	—	
2735	1 $\frac{3}{4}$ °							2735
		50	2 $\frac{1}{8}$ °	1.85	2.57	.04	.04	
2785	2 $\frac{1}{2}$ °							2785
		35	3°	1.83	4.40	.05	.09	
2830	3 $\frac{1}{2}$ °							2829.9
		35	3 $\frac{5}{8}$ °	2.21	6.61	.07	.16	
2865	3 $\frac{3}{4}$ °							2864.8
		25	4 $\frac{1}{8}$ °	1.79	8.40	.06	.22	
2890	4 $\frac{1}{2}$ °							2889.8
		20	5 $\frac{1}{8}$ °	1.78	10.18	.08	.30	
2910	5 $\frac{3}{4}$ °							2909.7
		35	6 $\frac{1}{8}$ °	3.73	13.91	.19	.49	
2945	6 $\frac{1}{2}$ °							2944.5
		25	6 $\frac{3}{4}$ °	2.94	16.85	0.17	.66	
2970	7°							2969.3
		30	7 $\frac{3}{8}$ °	3.85	20.70	0.26	.92	

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3000	$7\frac{3}{4}^{\circ}$							2999.1
		45	$8\frac{1}{8}^{\circ}$	6.35	27.05	0.44	1.36	
3045	$8\frac{1}{2}^{\circ}$							3043.6
		25	$8\frac{3}{4}^{\circ}$	3.80	30.85	0.29	1.65	
3070	9°							3068.3
		35	$9\frac{1}{4}^{\circ}$	5.63	36.48	0.46	2.11	
3105	$9\frac{1}{2}^{\circ}$							3102.9
		25	$9\frac{1}{2}^{\circ}$	4.13	40.61	0.34	2.45	
3130	$9\frac{1}{2}^{\circ}$							3127.5
		30	$9\frac{1}{4}^{\circ}$	4.82	45.43	0.39	2.84	
3160	9°							3157.2
		25	$9\frac{3}{8}^{\circ}$	4.07	49.50	0.32	3.16	
3185	$9\frac{3}{4}^{\circ}$							3181.8
		30	$9\frac{7}{8}^{\circ}$	5.15	54.65	0.45	3.61	
3215	10°							3211.4
		30	10°	5.21	59.86	0.46	4.07	
3245	10°							3240.9
		30	$10\frac{1}{8}^{\circ}$	5.27	65.13	0.48	4.55	

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3275	$10\frac{1}{4}^{\circ}$							3270.4
		30	$10\frac{5}{8}^{\circ}$	5.53	70.66	0.51	5.06	
3305	11°							3299.9
		30	$11\frac{1}{2}^{\circ}$	5.98	76.64	0.60	5.66	
3335	12°							3329.3
		30	$12\frac{1}{4}^{\circ}$	6.37	83.01	0.69	6.35	
3365	$12\frac{1}{2}^{\circ}$							3358.6
		30	$12\frac{3}{4}^{\circ}$	6.62	89.63	0.75	7.10	
3395	13°							3387.9
		30	$13\frac{3}{8}^{\circ}$	6.94	96.57	0.81	7.91	
3425	$13\frac{3}{4}^{\circ}$							3417.1
		30	$14\frac{1}{8}^{\circ}$	7.32	103.89	0.90	8.81	
3455	$14\frac{1}{2}^{\circ}$							3446.2
		30	$14\frac{1}{2}^{\circ}$	7.51	111.40	0.96	9.77	
3485	$14\frac{1}{2}^{\circ}$							3475.2
		30	$14\frac{1}{4}^{\circ}$	7.38	118.78	0.93	10.70	
3515	14°							3504.3
		30	$14\frac{1}{8}^{\circ}$	7.32	126.10	0.90	11.60	

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3545	$14\frac{1}{4}^{\circ}$							3533.4
		40	$14\frac{3}{8}^{\circ}$	9.93	136.03	1.24	12.84	
3585	$14\frac{1}{2}^{\circ}$							3572.2
		55	$15\frac{1}{4}^{\circ}$	14.47	150.50	1.93	14.77	
3640	16°							3625.2
		30	$16\frac{1}{2}^{\circ}$	8.52	159.02	1.23	16.00	
3670	17°							3654
		90	$18\frac{1}{2}^{\circ}$	28.56	187.58	4.68	20.68	
3760	20°							3739.3
		65	$21\frac{1}{2}^{\circ}$	23.82	211.40	4.55	25.23	
3825	23°							3799.8
		25	$23\frac{1}{2}^{\circ}$	9.97	221.37	2.08	27.31	
3850	24°							3822.7
		60	$24\frac{1}{2}^{\circ}$	24.88	246.25	5.4	32.7	
3910	25°							3877.3
		65	$25\frac{1}{2}^{\circ}$	27.98	274.23	6.31	39.02	
3975	26°							3936.0
		50	26°	21.92	296.15	5.05	44.07	

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4025	26°							3980.9
		40	26°	17.53	313.68	4.04	48.11	
4065	26°							4016.9
		60	26 $\frac{5}{8}$ °	26.87	340.55	6.36	54.47	
4125	27 $\frac{1}{4}$ °							4070.5
		60	28°	28.17	368.72	7.02	61.49	
4185	28 $\frac{3}{4}$ °							4123.5
		55	29 $\frac{3}{8}$ °	26.97	395.69	7.04	68.53	
4240	30°							4171.5
		70	31°	36.05	431.74	10.01	78.54	
4310	32°							4231.5
		60	32 $\frac{1}{2}$ °	32.24	463.98	9.42	87.96	
4370	33°							4282.0
		60	33 $\frac{1}{8}$ °	32.78	496.76	9.72	97.68	
4430	34 $\frac{1}{4}$ °							4332.3
		25	33 $\frac{5}{8}$ °	13.83	510.59	4.18	101.86	

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4455	34°							4353.1
		65	34½°	36.82	547.41	11.44	113.30	
4520	35°							4406.7
		60	34¾°	34.20	581.61	10.68	123.98	
4580	34½°							4456.0
		30	34¾°	16.88	598.49	5.19	129.17	
4610	34°							4480.8
		30	34°	16.78	615.27	5.13	134.30	
4640	34°							4505.7
		30	34¾°	16.88	632.15	5.19	139.49	
4670	34½°							4530.5
		30	34¾°	17.10	649.25	5.34	144.83	
4700	35°							4555.2
		60	35½°	34.84	684.09	11.16	155.99	
4760	36°							4604.0
		75	37°	45.13	729.22	15.11	171.10	
4835	38°							4663.9
		75	40°	48.20	777.42	17.55	188.65	

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4910	42°							4721.4
		75	42°	50.18	827.60	19.27	207.92	
4985	42°							4777.1
		85	40½°	55.21	882.81	20.37	228.29	
5070	39°							4841.7
		145	39°	91.25	974.06	32.34	260.63	
Ass. 5215	39°							4954.4