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Table 5 - Thunderbolt Gap Survey Data				**Based on NAD 1927**					
Theodolite Location	***Target Location***	**Distance Meters**	**Vertical Angle DMS**	**Horiz. Angle DMS**	**H-Angle Reference DMS**	**X-Coord**	**Y-Coord**	**Z-Coord**	**Rod H - Theo M**
	CHIN (UVM- Triangle hole)								
	Chin-USCGS Monument								
Chin-USCGS Monument	***MACBETH***	94.09	352.18.25	123.03.05	W-Chin Pass Point				0
Chin-USCGS Monument	***SUNSET (monument hole)***	164.085	356.23.20	336.16.55	W-Chin Pass Point				0
Chin-USCGS Monument	**W-Chin Pass Point**	**195.301**	**347.38.55**	**00.00.00**	**W-Chin Pass Point**				**0**
Chin-USCGS Monument	***CHIN - UVM triangle/hole***	0.5	0	180 magn	magnetic north				0
W-Chin Pass Point	**Origin West Chin Lower Quad**	**32.617**		**00.00.00**	**W. Chin Quad origin**				**0**
W-Chin Pass Point	*Tower left*			54.28.15	W. Chin Quad origin				
W-Chin Pass Point	*Tower middle*			55.14.45	W. Chin Quad origin				
W-Chin Pass Point	*Tower right*			55.48.40	W. Chin Quad origin				
W-Chin Pass Point	*Origin Thunderbolt Gap Quad*	43.283		156.33.00	W. Chin Quad origin				
Thunderbolt Gap Origin	**South East Corner from Origin**	**20**		**00.00.00**	**Corner**	**0**	**20**		
Thunderbolt Gap Origin	*West Chin Bottom Origin*	75.485	25.47.40	279.53.40	20-meter 0-line				0
Thunderbolt Gap Origin	meter quad 1- No-East Corner	20.125	342.35.00	26.33.55	20-meter 0-line	8.596	17.193		0.3
Thunderbolt Gap Origin	meter quad 2- No-East Corner	7.211	338.41.50	82.47.20	20-meter 0-line	5.594	3.729	-2.662	0.3
Thunderbolt Gap Origin	meter quad 3- No-East Corner	27.65	340.18.30	49.23.55	20-meter 0-line	19.766	16.943	-9.32	0
Thunderbolt Gap Origin	meter quad 4- No-East Corner	6.325	337.13.30	71.33.55	20-meter 0-line	5.521	1.84	-2.444	0.3
Thunderbolt Gap Origin	meter quad 5- No-East Corner	13.454	338.14.30	41.59.15	20-meter 0-line	8.347	9.275		0.3
Thunderbolt Gap Origin	meter quad 6- No-East Corner	28.884	340.21.15	56.18.35	20-meter 0-line	22.64	15.093	-9.714	0.3
Thunderbolt Gap Origin	meter quad 7- No-East Corner	16.971	337.56.35	45.00.00	20-meter 0-line	11.12	11.12		0.3
Thunderbolt Gap Origin	meter quad 8- No-East Corner	17.63	338.46.25	38.36.05	20-meter 0-line	11.145	13.096		0
Thunderbolt Gap Origin	meter quad 9- No-East Corner	18	335.57.35	90.00.00	20-meter 0-line	16.441	0		0.3
Thunderbolt Gap Origin	meter quad 10- No-East Corner	24.8	339.47.40	48.21.60	20-meter 0-line	16.914	15.035	-8.329	0

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UVM/VCS Northing Meters	**UVM/VCS Easting Meters**	**UVM Trig Elevation**	**VCS Northing Meters**	**VCS Easting Meters**	**WGH Trig Elevation**	**Date**
745144.191	**417937.917**	**4393.35**				
		4393.349	*745143.691*	*417937.917*	*4393.349*	
						1994
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