

Summit Saddle - Long-term Site  
Reference Survey

<b>Table 2 - Summit Saddle Survey Data</b>		Based on NAD 1927							
<i>Theodolite Location</i>	<i>Target Location</i>	Distance Meters	Vertical Angle DMS	Horiz. Angle DMS	H-Angle Reference DMS	X-Coord	Y-Coord	Z-Coord	Rod H - Theo M
Chin-USCGS Monument	<b>MACBETH</b>	94.09	352.18.25	123.03.05	W-Chin Pass Point				0
Chin-USCGS Monument	<b>SUNSET (monument hole)</b>	164.09	356.23.20	336.16.55	W-Chin Pass Point				0
<b>Chin-USCGS Monument</b>	<b>W-Chin Pass Point</b>	<b>195.3</b>	<b>347.38.55</b>	<b>00.00.00</b>	<b>W-Chin Pass Point</b>				<b>0</b>
Chin-USCGS Monument	<b>CHIN - UVM triangle/hole</b>	0.5	0	180 magn	magnetic north				0
	<b>TERRYBETHS (UVM)</b>								
	<b>SUNSET (UVM)</b>								
	<b>MACBETH (UVM)</b>								
<b>SUNSET (UVM, 1977)</b>	<b>Summit Saddle NW Corner</b>	<b>107.75</b>	<b>0.26.20</b>	<b>00.00.00</b>	<b>0</b>				<b>0.4</b>
SUNSET (UVM, 1977)	<i>SW corner Summit Saddle Quadrat</i>	87.6	0.14.25	13.01.05	0				0.4
SUNSET (UVM, 1977)	<i>Chin Brass Monument</i>	164.66	3.42	337.21.10	0				0.4
SUNSET (UVM, 1977)	<b>TERRYBETHS (UVM)</b>	98.74	0.11.55	32.31.10	0				0.4
SUNSET (UVM, 1977)	<i>Base of microwave tower</i>		354.36.50	99.57.45	0				0.4
SUNSET (UVM, 1977)	<i>Summit Station Tower</i>			97.20.45	0				0.4
SUNSET (UVM, 1977)	<i>Nose Tower (tallest)</i>			96.37.00	0				0.4
<b>Summit Saddle Origin</b>	<b>NorthEast Corner from Origin</b>	<b>20</b>	<b>6.21.00</b>	<b>00.00.00</b>	<b>00.00.00</b>	<b>0</b>	<b>19.98</b>	<b>2.23</b>	<b>0.37</b>
Summit Saddle Origin	meter quad 1 - No-West Corner	15.62	355.13.00	50.11.40	20-meter 0-line	11.97	9.95	-1.3	0.37
Summit Saddle Origin	meter quad 2 - No-West Corner	12.37	1.44.25	14.02.10	20-meter 0-line	3.01	11.99	0.38	0.37
Summit Saddle Origin	meter quad 3 - No-West Corner	24.33	359.34.50	80.32.15	20-meter 0-line	24.25	4.03	-0.18	0.37
Summit Saddle Origin	meter quad 4 - No-West Corner	31.38	2.26	59.21.00	20-meter 0-line	26.99	15.96	1.34	0.37
Summit Saddle Origin	meter quad 5 - No-West Corner	21.93	357.51.30	43.09.10	20-meter 0-line	15.29	16.28	-0.84	0.37
Summit Saddle Origin	meter quad 6 - No-West Corner	8	5.51.40	00.00.00	20-meter 0-line	0	7.96	0.82	0.37
Summit Saddle Origin	meter quad 7 - No-West Corner	24.08	358.52.15	48.22.00	20-meter 0-line	17.95	15.95	-0.47	0.37
Summit Saddle Origin	meter quad 8 - No-West Corner	23.43	358.56.30	39.48.20	20-meter 0-line	15.16	18.2	-0.44	0.37
Summit Saddle Origin	meter quad 9 - No-West Corner	26.83	1.44.00	63.26.05	20-meter 0-line	24	11.99	0.81	0.37
Summit Saddle Origin	meter quad 10 - No-West Corner	17.09	2.07.10	20.33.20	20-meter 0-line	6.11	15.87	0.63	0.37
Summit Saddle Origin	<b>SUNSET 1970 (UVM, 1977)</b>	<b>107.75</b>	<b>359.57.40</b>	<b>129.33.00</b>	<b>20-meter 0-line</b>	<b>83.08</b>	<b>-68.61</b>	<b>-0.07</b>	<b>0.37</b>