

Summit Saddle - Long-term Site  
Reference Survey

<b>Table 2 - Summit Saddle Survey Data</b>		Based on NAD 1927							
		<b>Distance Meters</b>	<b>Vertical Angle DMS</b>	<b>Horiz. Angle DMS</b>	<b>H-Angle Reference DMS</b>	<b>X-Coord</b>	<b>Y-Coord</b>	<b>Z-Coord</b>	<b>Rod H - Theo M</b>
<b><i>Theodolite Location</i></b>	<b><i>Target Location</i></b>								
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>	164.085	356.23.20	336.16.55	W-Chin Pass Point				0
<b>Chin-USCGS Monument</b>	<b>W-Chin Pass Point</b>	<b>195.301</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>107.745</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>	87.596	0.14.25	13.01.05	0				0.4
SUNSET (UVM, 1977)	<i>Chin Brass Monument</i>	164.662	3.42	337.21.10	0				0.4
SUNSET (UVM, 1977)	<b>TERRYBETHS (UVM)</b>	98.739	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>2.225</b>	<b>0.37</b>
Summit Saddle Origin	meter quad 1 - No-West Corner	15.621	355.13.00	50.11.40	20-meter 0-line	11.968	9.95	-1.301	0.37
Summit Saddle Origin	meter quad 2 - No-West Corner	12.369	1.44.25	14.02.10	20-meter 0-line	3.006	11.992	0.376	0.37
Summit Saddle Origin	meter quad 3 - No-West Corner	24.331	359.34.50	80.32.15	20-meter 0-line	24.249	4.03	-0.175	0.37
Summit Saddle Origin	meter quad 4 - No-West Corner	31.384	2.2625	59.21.00	20-meter 0-line	26.989	15.96	1.336	0.37
Summit Saddle Origin	meter quad 5 - No-West Corner	21.932	357.51.30	43.09.10	20-meter 0-line	15.287	16.275	-0.835	0.37
Summit Saddle Origin	meter quad 6 - No-West Corner	8	5.51.40	00.00.00	20-meter 0-line	0	7.958	0.817	0.37
Summit Saddle Origin	meter quad 7 - No-West Corner	24.083	358.52.15	48.22.00	20-meter 0-line	17.954	15.95	-0.474	0.37
Summit Saddle Origin	meter quad 8 - No-West Corner	23.431	358.56.30	39.48.20	20-meter 0-line	15.162	18.201	-0.438	0.37
Summit Saddle Origin	meter quad 9 - No-West Corner	26.833	1.44.00	63.26.05	20-meter 0-line	24	11.989	0.811	0.37
Summit Saddle Origin	meter quad 10 - No-West Corner	17.088	2.07.10	20.33.20	20-meter 0-line	6.111	15.874	0.629	0.37
Summit Saddle Origin	<b>SUNSET 1970 (UVM, 1977)</b>	<b>107.745</b>	<b>359.57.40</b>	<b>129.33.00</b>	<b>20-meter 0-line</b>	<b>83.079</b>	<b>-68.608</b>	<b>-0.071</b>	<b>0.37</b>