

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Gravity survey data of the
Kalispell 1° x 2° quadrangle, Montana

by

Viki Bankey, M. D. Kleinkopf, D. M. Kulik,
M. R. Brickey, and J. A. Mancinelli

Open-File Report 85-221

1985

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade names is for descriptive purposes only and does not imply endorsement by the USGS.

Table of Contents

	Page
Introduction	1
Data Collection	1
Elevation Control	1
Data Reduction	1
References	2

Illustrations

Figure 1.--Map showing the location of the Kalispell quadrangle gravity study area.....	3
--	---

Tables

Table 1--Counties, national forests, mountain ranges, and wildernesses in the Kalispell quadrangle.....	4
Table 2--Station identification information.....	5

Appendices

Appendix B: Principal facts of gravity data.....	6
--	---

Introduction

This report presents part of the work undertaken by the U.S. Geological Survey to evaluate the mineral-resource potential of the Kalispell $1^{\circ} \times 2^{\circ}$ quadrangle. During the summer field seasons of 1967-84, 2967 new gravity stations were established in the Kalispell quadrangle, Montana. The Kalispell quadrangle encompasses four counties, four national forests, and five mountain ranges (table 1) and covers approximately 7000 sq. mi (fig. 1). This report presents the principal facts for these data.

Data Collection

Gravity observations were made using LaCoste-Romberg or Worden gravity meters (table 2). The gravity stations were referenced to the U.S. Department of Defense (DOD) base at Kalispell Airport, which is part of the International Gravity Standardization Net (IGSN-71). Additional bases were set by the USGS and tied to these primary bases, and the descriptions for primary and secondary bases constitute a separate open-file (Bankey and Kleinkopf, 1985). Gravity loops were started and closed daily by making repeat observations at the primary or secondary bases. Access was by helicopter and ground traverses into the roadless areas and by vehicle along highways and secondary roads outside of the wilderness area. Data collected as part of a master's thesis (Stickney, 1979) are included in Appendix A.

Elevation Control

The survey area, which is a little larger than the Kalispell quadrangle, is bound by lat. $47^{\circ}50' - 49^{\circ}30'$ N and long. $114^{\circ} - 116^{\circ}10'$ W. The station elevations were obtained from benchmarks, spot elevations, and section corners on 1:24,000-scale and 1:62,500-scale USGS topographic maps. The uncertainty of elevations based on benchmarks is assumed to be 0.5 ft. For spot elevations and section corners with elevations in black, on 1:24,000-scale maps with a 40-ft contour interval, the uncertainty is assumed to be three ft. At a density of 2.67 g/cm^3 , this elevation uncertainty translates to a maximum uncertainty in the Bouguer anomaly value of 0.18 mgals.

However, errors in the estimation of terrain corrections give rise to the greatest uncertainty in Bouguer values. Computer-generated terrain corrections in mountainous areas like the Kalispell quadrangle are generally accurate to within 1 mgal.

Data Reduction

Computer programs existing on the USGS Digital Equipment Corporation VAX 11-750 computer system were used to obtain principal facts and terrain-corrected gravity values. A program written by M. Webring and R. Wahl (USGS, unpub. program, 1983) was used to reduce gravity meter-readings to observed-gravity values by calculating and correcting for earth-tide and linear meter-drift. The theoretical gravity value was calculated using the 1967 formula of the Geodetic Reference System (International Association of Geodesy, 1967). Mathematical equations are given in Cordell and others (1982). Terrain corrections were computed using a program by R. H. Godson (USGS, unpub. program, 1978), correcting for the gravity effects of terrain from each station to a radius 166.7 km away using the method of Plouff (1977). Godson's program also calculates earth-curvature corrections and complete (terrain-

corrected) Bouguer gravity anomaly values. These computed terrain corrections use mean-elevation data digitized on a 15-second grid for corrections from 0 to 5 km, 1-minute terrain data for corrections from 5 to 21 km, and 3-minute terrain data for corrections from 21 to 166.7 km. A density of 2.67 g/cm^3 was used to calculate terrain corrections, giving the corrections and gravity anomaly values listed in Appendix A.

References

Bankey, Viki, and Kleinkopf, M. D., 1982, Principal facts for a Bouguer gravity map of the Wallace $1^\circ \times 2^\circ$ quadrangle, Montana and Idaho: U.S. Geological Survey Open-File Report 82-883.

Bankey, Viki, and Kleinkopf, M. D., 1985, Gravity base stations in the Kalispell $1^\circ \times 2^\circ$ quadrangle, Montana: U. S. Geological Survey Open-File Report 85-109, 16 p.

Cordell, Lindrith, Keller, G. R., and Hildenbrand, T. G., 1982, Bouguer gravity map of the Rio Grande Rift, Colorado, New Mexico, and Texas: U.S. Geological Survey Geophysical Investigations Series, Map GP-949, scale 1:1,000,000.

Defense Mapping Agency, 1974, World Relative Gravity Reference Network, North America, Part 2: St. Louis, Missouri, Aerospace Center, DMAAC Reference Publication 25, with supplement updating gravity values to the International Gravity Standardization Net 1971, 1635 p.

International Association of Geodesy, 1967, Geodetic Reference System, 1967: International Association of Geodesy Special Publication No. 3, 116 p.

Plouff, Donald, 1977, Preliminary documentation for a FORTRAN program to compute gravity terrain corrections based on topography digitized on a geographic grid: U.S. Geological Survey Open-File Report 77-535.

Stickney, Michael C., 1980, Seismicity and gravity studies of faulting in the Kalispell Valley, northwest Montana: Missoula, University of Montana Master's Thesis, 82 p.

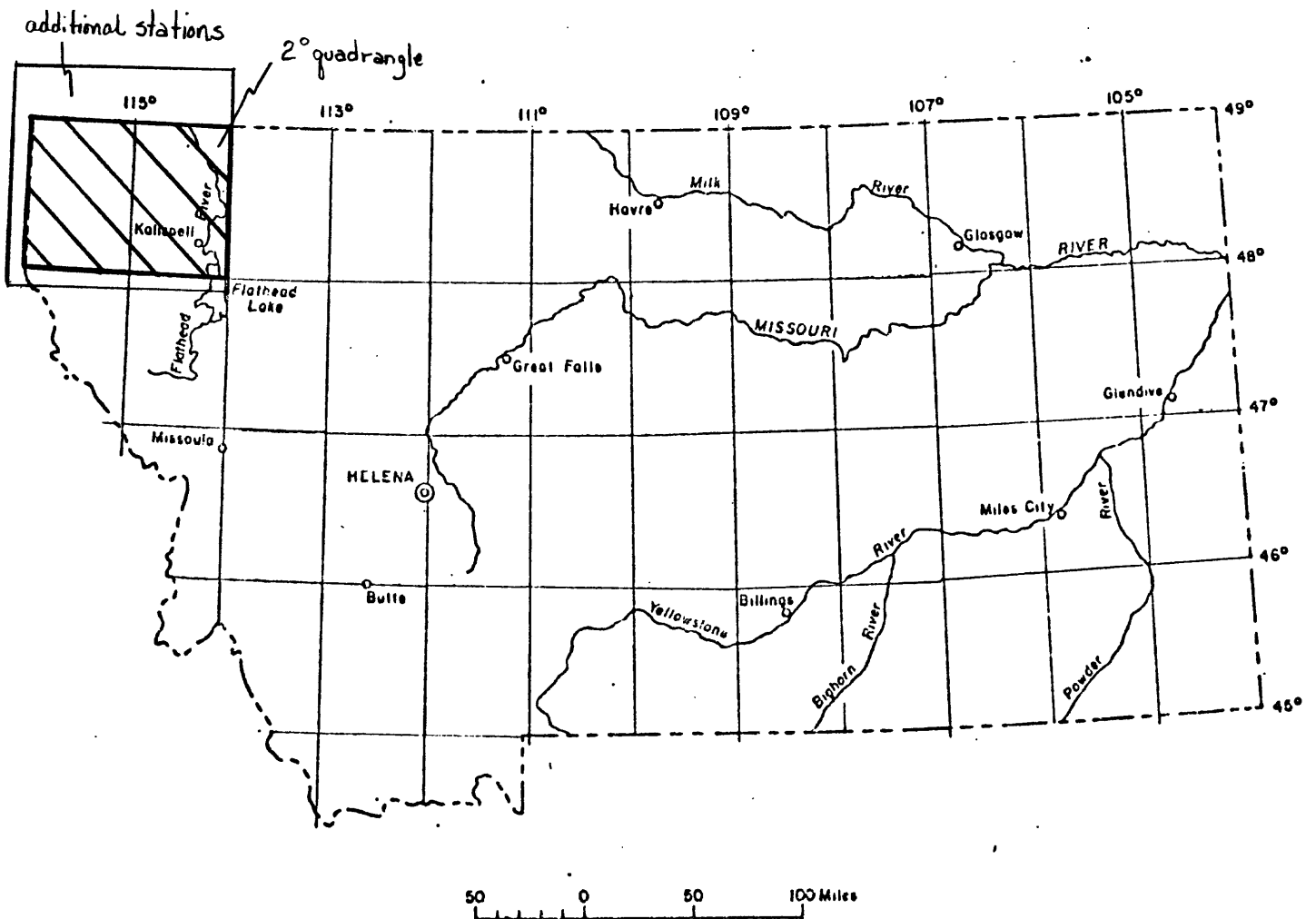


Figure 1--Location map of the Kalispell $1^{\circ} \times 2^{\circ}$ quadrangle, Montana.

Table 1-- Counties, National Forests, Mountain Ranges, and wildernesses in the Kalispell 1° x 2° quadrangle, Montana

Counties	Flathead	Glacier	Lincoln	Sanders
National Forests	Flathead	Kaniksu	Kootenai	Lolo
Mountains	Livingston Range Swan Range	Purcell Mtns. Whitefish Range		Salish Mtns.
Wildernesses, Scenic Areas, National Parks	Cabinet Mountains Wilderness Flathead Wild and Scenic River Glacier National Park Mount Henry proposed wilderness Ten Lakes Scenic Area			

Table 2-- Station Identification Information

Station I.D.	Area	Year	Meter Used	Collected By
scl-64	Scotchman Peak Wild.	1974	g-131	Kulik ¹
dn1-44	S. Kalispell	1984	g-550	Kleinkopf ¹
eul-174	Yaak-Eureka	1982	g-550	Bankey/Mancinelli ¹
ka2-37	Pleasant Valley	1977	e-134	Kleinkopf/Kulik ¹
pvl-20	Pleasant Valley	1975	g-159	Kleinkopf/Kulik ¹
gm3-162	Troy	1980	w-90	McMurtrey ²
gl-177	Glacier Park	1971	w-90	McMurtrey ²
ksl-178	Kalispell regional	1980	g-24	Bankey/Brickey ¹
kvl-283	Kalispell Valley	1979	w-731	M. Stickney U. Mont. ³
ccl-158	Cabinet Creek	1972	w-90	Kulik/Kleinkopf ¹
meul-264	Eureka	1967	e-181	G. McMurtrey ²
lbl-599	Kalispell regional	1981	g-24	Bankey/Mancinelli ¹
rl-r271	Kalispell regional	1983	g-550	Bankey/Mancinelli ¹
unlettered (n. of 49° N lat.)	Canada			Canadian Survey
unlettered (all others)	Wallace 1° x 2°			extracted from Wallace 2° (see Bankey and Kleinkopf, 1982)

¹USGS, Geologic Division, Denver, Colorado²USGS, Water Resources Division, Helena, Montana³University of Montana Master's Thesis

Appendix A: Principal Facts of Gravity Data

Explanation of headings

Identification

sta-id	Gravity station identification number.
--------	--

Location

latitude	North latitude in degrees, decimal minutes.
----------	---

longitude	West longitude in degrees, decimal minutes.
-----------	---

ele	Station elevation in feet.
-----	----------------------------

st	State where station is located.
----	---------------------------------

Gravity

observed	Observed gravity in milligals.
----------	--------------------------------

theoretical	Theoretical gravity in milligals.
-------------	-----------------------------------

Corrections

Terrain	Terrain correction, 166.7 km radius, in milligals.
---------	--

Bouguer	Simple Bouguer slab correction in milligals.
---------	--

curv	Curvature correction in milligals.
------	------------------------------------

special	Not used.
---------	-----------

Anomalies

free-air	Free-air anomaly in milligals.
----------	--------------------------------

complete-Bouguer	Complete Bouguer anomaly in milligals for designated density d_1 .
------------------	--

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y ST OBSERVED	THEORETICAL	C O R R E C T I O N S TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	A N O M A L I E S COMPLETE-BOUGUER dl=2.67
	LATITUDE deg	LONGITUDE min					
sc1	48 10.00	-116 0.62	6205.00 mt	980397.39	980905.16	14.71 -211.63 -1.51	0.00 75.49
sc2	48 5.61	-115 55.59	6167.00 mt	980372.85	980898.56	37.86 -210.34 -1.50	0.00 53.97
sc3	48 6.01	-115 55.94	6138.00 mt	980377.78	980899.16	29.07 -209.35 -1.50	0.00 55.58
sc4	48 6.71	-115 56.41	6326.00 mt	980365.21	980900.21	29.61 -215.76 -1.51	0.00 59.62
sc5	48 7.27	-115 56.52	6622.00 mt	980343.19	980901.05	39.64 -225.86 -1.52	0.00 64.56
sc6	48 7.93	-115 56.40	6342.00 mt	980372.98	980902.05	29.09 -216.31 -1.51	0.00 67.05
sc7	48 8.95	-115 57.34	6201.00 mt	980388.89	980903.58	23.18 -211.50 -1.51	0.00 68.19
sc8	48 9.19	-115 57.93	5397.00 mt	980447.53	980903.94	7.84 -184.08 -1.45	0.00 50.93
sc9	48 0.90	-115 48.79	2263.00 mt	980613.21	980891.50	6.54 -77.18 -0.84	0.00 -65.51
sc10	48 1.82	-115 51.34	2325.00 mt	980614.43	980892.88	5.15 -79.30 -0.86	0.00 -59.84
sc11	48 3.09	-115 52.76	2274.00 mt	980616.85	980894.78	6.75 -77.56 -0.84	0.00 -64.12
sc12	48 5.05	-115 58.66	2215.00 mt	980632.17	980897.73	6.16 -75.55 -0.83	0.00 -57.29
sc13	48 5.55	-116 2.70	2307.00 mt	980632.90	980898.48	2.87 -78.69 -0.85	0.00 -48.67
sc14	48 6.72	-116 8.15	2174.00 mt	980638.32	980900.23	3.75 -74.15 -0.81	0.00 -57.50
sc15	48 8.67	-116 10.34	2080.00 mt	980645.48	980903.16	3.61 -70.94 -0.79	0.00 -62.11
sc16	48 3.36	-115 55.89	2232.00 mt	980632.51	980895.19	3.70 -76.13 -0.83	0.00 -52.82
sc17	48 1.83	-115 54.82	2421.00 mt	980613.97	980892.89	4.38 -82.57 -0.89	0.00 -51.29
sc18	48 9.50	-115 54.11	2822.00 mt	980594.19	980904.40	12.11 -96.25 -1.00	0.00 -44.89
sc19	48 10.14	-115 55.02	3581.00 mt	980552.89	980905.36	9.54 -122.14 -1.18	0.00 -15.80
sc20	48 8.94	-115 55.49	4140.00 mt	980522.47	980903.56	6.87 -141.20 -1.28	0.00 8.11
sc21	48 10.68	-115 56.48	5220.00 mt	980459.23	980906.17	11.94 -178.04 -1.44	0.00 43.75
sc22	48 9.30	-115 58.11	5440.00 mt	980412.87	980904.10	8.40 -185.54 -1.46	0.00 20.14
sc23	48 9.78	-115 58.10	5460.00 mt	980446.39	980904.82	8.12 -186.22 -1.46	0.00 54.82
sc24	48 10.47	-115 57.89	5522.00 mt	980444.41	980905.86	13.87 -188.34 -1.46	0.00 57.62
sc25	48 9.62	-115 56.98	5924.00 mt	980403.65	980904.58	19.04 -202.05 -1.49	0.00 55.92
sc26	48 11.93	-115 59.24	6062.00 mt	980403.19	980908.04	19.40 -206.76 -1.50	0.00 64.96
sc27	48 13.59	-115 57.72	5910.00 mt	980410.53	980910.54	19.66 -201.57 -1.49	0.00 55.53
sc28	48 13.90	-115 56.32	5918.00 mt	980410.78	980911.00	17.37 -201.85 -1.49	0.00 56.07
sc29	48 4.82	-115 47.51	2317.00 mt	980612.78	980897.38	10.42 -79.03 -0.86	0.00 -66.75
sc30	48 6.71	-115 48.54	2298.00 mt	980615.55	980900.21	9.95 -78.38 -0.85	0.00 -68.60
sc31	48 5.46	-115 53.03	4965.00 mt	980462.85	980898.34	9.71 -169.34 -1.41	0.00 31.25
sc32	48 14.82	-116 0.46	6360.00 mt	980389.00	980912.38	19.36 -216.92 -1.51	0.00 74.43
sc33	48 16.81	-116 1.18	6422.00 mt	980390.57	980915.37	19.91 -219.04 -1.51	0.00 78.84
sc34	48 16.88	-116 2.96	6060.00 mt	980414.40	980915.47	18.97 -206.69 -1.50	0.00 68.56
sc35	48 13.43	-116 4.71	5988.00 mt	980410.83	980910.29	21.58 -204.23 -1.50	0.00 63.39
sc36	48 11.25	-116 5.16	6860.00 mt	980342.69	980907.02	38.16 -233.97 -1.52	0.00 80.45
sc37	48 11.58	-116 5.87	6390.00 mt	980374.28	980907.52	29.32 -217.94 -1.51	0.00 67.39
sc38	48 12.67	-116 1.90	6416.00 mt	980387.04	980909.16	17.86 -218.83 -1.51	0.00 80.96
sc39	48 7.81	-116 6.07	2743.00 mt	980610.49	980901.87	2.63 -93.56 -0.98	0.00 -33.48
sc40	48 9.66	-116 7.44	2600.00 mt	980619.12	980904.64	4.95 -88.68 -0.94	0.00 -41.07

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION Sta-Id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67
sc41	48 11.51	-116 10.44	2269.00	mt 980635.46	980907.41	6.30	-77.39	-0.84	-130.55
sc42	48 15.76	-116 2.31	3610.00	mt 980556.65	980913.79	16.15	-123.13	-1.18	-125.91
sc43	48 18.23	-116 9.83	3280.00	mt 980589.11	980917.49	12.55	-111.87	-1.11	-120.44
sc44	48 15.94	-116 7.02	2840.00	mt 980608.41	980914.06	12.78	-96.86	-1.00	-123.73
sc45	48 14.36	-116 6.61	2689.00	mt 980614.57	980911.69	12.93	-91.71	-0.96	-124.04
sc46	48 12.68	-116 7.82	2488.00	mt 980614.28	980909.16	19.77	-84.86	-0.91	-126.96
sc47	48 12.22	-115 56.42	2985.00	mt 980584.82	980908.48	11.80	-101.81	-1.04	-134.07
sc48	48 12.52	-115 54.80	2841.00	mt 980592.46	980908.93	12.68	-96.90	-1.00	-134.58
sc49	48 12.85	-116 13.62	2704.00	mt 980614.36	980909.43	5.48	-92.23	-0.97	-128.54
sc50	48 6.76	-115 58.99	2625.00	mt 980608.18	980900.30	8.88	-89.53	-0.95	-126.90
sc51	48 2.26	-115 58.40	2443.00	mt 980614.53	980893.54	2.51	-83.32	-0.89	-131.02
sc52	48 7.48	-115 51.81	2309.00	mt 980618.85	980901.38	9.29	-78.75	-0.86	-135.73
sc53	48 12.44	-115 53.13	2826.00	mt 980601.64	980908.80	7.63	-96.39	-1.00	-131.23
sc54	48 20.66	-115 54.13	2513.00	mt 980630.72	980921.13	5.35	-85.71	-0.91	-135.41
sc55	48 19.51	-116 2.39	3640.00	mt 980566.26	980919.41	8.36	-124.15	-1.19	-127.92
sc56	48 19.95	-115 59.81	3075.00	mt 980596.28	980920.07	13.27	-104.88	-1.06	-127.36
sc57	48 21.10	-115 52.65	2350.00	mt 980638.39	980921.80	4.77	-80.15	-0.87	-138.70
sc58	48 15.14	-115 54.32	3977.00	mt 980533.46	980912.86	6.43	-135.64	-1.26	-135.98
sc59	48 14.42	-115 54.93	4505.00	mt 980502.60	980911.77	7.68	-153.65	-1.34	-132.99
sc60	48 13.81	-115 54.37	5300.00	mt 980454.53	980910.87	11.59	-180.77	-1.44	-128.74
sc61	48 14.28	-115 53.66	5214.00	mt 980455.80	980911.57	15.00	-177.83	-1.43	-129.91
sc62	48 17.61	-115 53.33	2746.00	mt 980610.26	980916.56	5.83	-93.66	-0.98	-136.93
sc63	48 16.39	-115 55.13	3013.00	mt 980594.07	980914.73	5.81	-102.76	-1.05	-135.39
sc64	48 16.27	-115 57.34	3370.00	mt 980570.94	980914.55	13.49	-114.94	-1.13	-129.37
lb84	48 26.78	-115 17.62	2620.00	mt 980648.47	980930.30	4.27	-89.36	-0.94	-121.54
lb85	48 29.05	-115 15.78	2620.00	mt 980656.95	980933.71	2.82	-89.36	-0.94	-117.91
lb86	48 29.60	-115 15.73	2654.00	mt 980655.01	980934.53	3.80	-90.52	-0.95	-117.67
lb87	48 31.22	-115 14.85	2669.00	mt 980652.78	980936.95	5.90	-91.03	-0.96	-119.33
lb88	48 31.82	-115 14.50	2663.00	mt 980652.98	980937.85	6.62	-90.83	-0.96	-119.67
lb89	48 31.92	-115 13.72	2663.00	mt 980654.54	980938.01	4.81	-90.83	-0.96	-120.07
lb90	48 32.95	-115 12.60	2761.00	mt 980645.46	980939.55	7.56	-94.17	-0.98	-122.10
lb91	48 34.52	-115 12.27	2668.00	mt 980646.31	980941.90	11.20	-91.00	-0.96	-125.50
lb92	48 35.03	-115 12.37	2659.00	mt 980647.86	980942.66	11.36	-90.69	-0.95	-125.09
lb93	48 36.03	-115 13.75	2784.00	mt 980643.27	980944.16	10.57	-94.95	-0.99	-124.51
lb94	48 37.35	-115 15.37	2754.00	mt 980643.66	980946.14	14.33	-93.93	-0.98	-124.14
lb95	48 38.23	-115 16.60	2740.00	mt 980647.86	980947.46	14.32	-93.45	-0.98	-122.10
lb96	48 38.90	-115 18.10	2621.00	mt 980657.79	980948.46	11.53	-89.39	-0.94	-123.05
lb97	48 42.45	-115 18.23	2519.00	mt 980662.70	980953.77	16.25	-85.92	-0.92	-124.81
lb98	48 43.08	-115 18.18	2688.00	mt 980655.96	980954.72	14.38	-91.68	-0.96	-124.30
lb99	48 44.10	-115 18.17	2936.00	mt 980645.29	980956.24	9.20	-100.14	-1.03	-126.88

BOUGUER GRAVITY DATA

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER di=2.67
1b100	48 44.48	-115 17.97			2830.00	mt	980649.47	9.96	-41.27	-128.83
1b101	48 45.00	-115 17.50			2735.00	mt	980655.96	10.51	-44.49	-128.24
1b102	48 47.20	-115 17.75			2853.00	mt	980649.46	10.70	-43.19	-130.80
1b103	48 47.97	-115 17.73			2830.00	mt	980650.81	10.66	-45.15	-132.01
1b106	48 49.57	-115 15.27			2623.00	mt	980664.90	7.73	-52.92	-135.60
1b107	48 52.57	-115 11.77			2665.00	mt	980666.65	2.51	-51.70	-141.05
1b108	48 53.52	-115 11.33			2690.00	mt	980667.03	2.76	-50.39	-140.34
1b109	48 50.12	-115 14.15			2700.00	mt	980663.02	5.33	-48.38	-136.10
1b110	48 48.83	-115 16.42			2642.00	mt	980662.01	10.09	-52.91	-133.88
1b111	48 40.32	-115 18.73			2594.00	mt	980659.85	12.83	-46.85	-123.43
1b112	48 35.92	-115 13.08			2748.00	mt	980645.22	10.12	-40.42	-125.00
1b215	48 25.23	-115 17.75			2605.00	mt	980641.15	7.55	-41.91	-124.15
1b216	48 28.25	-115 15.62			2660.00	mt	980650.69	2.79	-31.73	-120.62
1b219	48 24.53	-115 18.53			2472.00	mt	980645.73	6.44	-48.79	-127.56
1b220	48 23.38	-115 18.34			2385.00	mt	980649.56	6.50	-51.41	-127.13
1b221	48 23.22	-115 18.70			2353.00	mt	980649.20	5.92	-54.54	-129.74
1b222	48 22.40	-115 18.87			2156.00	mt	980655.20	9.76	-65.82	-130.41
dn1	48 11.44	-115 28.27			3019.00	mt	980581.17	5.70	-42.30	-140.62
dn2	48 10.24	-115 30.95			3372.00	mt	980560.30	4.09	-28.19	-140.24
rec53	48 16.20	-115 31.40			2662.00	mt	980607.46	1.89	-56.70	-146.56
dn3	48 14.95	-115 31.99			2921.00	mt	980594.47	2.41	-43.48	-141.72
dn4	48 14.39	-115 34.80			3229.00	mt	980573.33	3.19	-34.83	-142.87
dn5	48 13.34	-115 36.21			3516.00	mt	980553.01	6.24	-26.60	-141.44
dn6	48 12.89	-115 33.82			3310.00	mt	980566.58	5.17	-31.71	-140.55
dn7	48 11.80	-115 34.44			3610.00	mt	980550.37	2.56	-18.09	-139.84
dn8	48 10.83	-115 34.28			3522.00	mt	980553.07	3.65	-22.21	-139.85
dn9	48 10.14	-115 35.19			3672.00	mt	980541.85	6.04	-18.29	-138.69
dn10	48 8.80	-115 32.66			3562.00	mt	980549.40	2.43	-19.07	-139.30
dn11	48 8.16	-115 34.69			4120.00	mt	980511.55	10.30	-3.52	-135.02
dn12	48 8.35	-115 32.12			3444.00	mt	980557.51	3.83	-21.37	-136.16
rec59	48 7.09	-115 32.85			3628.00	mt	980542.53	3.90	-17.17	-138.20
dn13	48 5.07	-115 24.61			3163.00	mt	980564.12	3.74	-36.26	-141.49
dn14	48 5.03	-115 28.33			3363.00	mt	980554.04	8.60	-27.48	-134.71
dn15	48 5.21	-115 26.88			3231.00	mt	980562.49	5.18	-31.70	-137.82
dn16	48 22.16	-114 59.44			3082.00	mt	980611.16	3.61	-22.46	-125.04
dn17	48 22.82	-114 57.58			3158.00	mt	980604.17	4.73	-23.30	-127.36
dn18	48 23.91	-114 55.27			3228.00	mt	980597.12	7.87	-25.41	-128.73
dn19	48 27.00	-114 56.65			3560.00	mt	980573.79	13.33	-22.16	-131.43
r1b48	48 16.57	-115 18.47			2384.00	mt	980628.71	5.80	-62.14	-138.53
dn20	48 16.07	-115 20.35			3035.00	mt	980589.32	5.00	-39.59	-139.16

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S (dl=2.67)	A N O M A L I E S					
	LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	ST OBSERVED THEORETICAL		SPECIAL	FREE AIR	COMPLETE-BOUGUER di=2.67			
dn21	48 16.66	-115 22.57	3880.00	mt 980542.60	980915.14	1.36	-132.34	-1.24	0.00	-7.77	-139.98
rlb50	48 12.33	-115 16.56	2535.00	mt 980612.24	980908.65	4.21	-86.46	-0.92	0.00	-58.06	-141.23
dn22	48 12.86	-115 18.33	3075.00	mt 980582.17	980909.44	3.15	-104.88	-1.06	0.00	-38.16	-140.95
dn23	48 12.29	-115 20.02	3626.00	mt 980544.29	980908.59	8.62	-123.67	-1.19	0.00	-23.40	-139.64
dn24	48 13.66	-115 20.94	5453.00	mt 980431.25	980910.64	15.09	-185.99	-1.46	0.00	33.20	-139.15
dn25	48 10.55	-115 17.91	2882.00	mt 980587.99	980905.98	3.85	-98.30	-1.01	0.00	-47.02	-142.48
dn26	48 9.53	-115 20.48	3510.00	mt 980551.73	980904.45	4.58	-119.72	-1.16	0.00	-22.73	-139.02
dn27	48 8.37	-115 26.12	2990.00	mt 980575.32	980902.70	10.06	-101.98	-1.04	0.00	-46.27	-139.23
dn28	48 9.33	-115 25.44	4422.00	mt 980493.74	980904.15	5.44	-150.82	-1.33	0.00	5.30	-141.41
dn29	48 10.42	-115 24.69	3745.00	mt 980538.65	980905.78	2.56	-127.73	-1.21	0.00	-15.05	-141.43
dn30	48 11.24	-115 25.00	3843.00	mt 980534.75	980907.01	2.14	-131.07	-1.23	0.00	-10.97	-141.13
dn31	48 9.48	-115 23.86	3943.00	mt 980524.78	980904.37	5.56	-134.48	-1.25	0.00	-8.90	-139.07
dn32	48 8.77	-115 21.83	3226.00	mt 980565.04	980903.30	5.60	-110.03	-1.10	0.00	-34.97	-140.49
dn33	48 1.14	-115 19.54	3249.00	mt 980566.64	980891.86	2.37	-110.81	-1.10	0.00	-19.76	-129.30
dn34	48 0.18	-115 18.68	3249.00	mt 980550.14	980890.41	3.48	-110.81	-1.10	0.00	-34.81	-143.25
dn36	48 6.54	-115 26.50	3653.00	mt 980539.37	980899.96	10.72	-124.59	-1.19	0.00	-17.16	-132.22
dn37	48 7.10	-115 21.37	2827.00	mt 980585.10	980900.80	6.80	-96.42	-1.00	0.00	-49.90	-140.52
dn38	48 8.74	-115 19.27	2721.00	mt 980593.69	980903.27	6.00	-92.81	-0.97	0.00	-53.74	-141.52
dn39	48 30.13	-115 57.69	2951.00	mt 980624.74	980935.33	4.46	-100.65	-1.03	0.00	-33.14	-130.36
dn40	48 30.10	-115 59.85	2985.00	mt 980621.55	980935.28	10.80	-101.81	-1.04	0.00	-33.09	-125.14
dn41	48 31.40	-116 0.09	2882.00	mt 980630.64	980937.23	7.56	-98.30	-1.01	0.00	-35.62	-127.37
dn42	48 33.39	-116 0.90	2612.00	mt 980652.57	980940.21	4.42	-89.09	-0.94	0.00	-42.06	-127.67
dn43	48 31.80	-116 4.59	3739.00	mt 980582.96	980937.83	11.21	-127.53	-1.21	0.00	-3.35	-120.88
dn44	48 35.65	-116 3.08	3001.00	mt 980633.78	980943.59	3.40	-102.36	-1.04	0.00	-27.67	-127.66
eu1	48 56.41	-114 29.13	4187.00	mt 980549.90	980974.66	3.10	-142.81	-1.29	0.00	-31.14	-172.14
eu2	48 56.23	-114 27.85	4115.00	mt 980552.07	980974.39	2.39	-140.35	-1.28	0.00	-35.47	-174.71
eu3	48 55.60	-114 26.40	4041.00	mt 980552.45	980973.45	1.58	-137.83	-1.27	0.00	-41.10	-178.61
eu4	48 55.13	-114 24.38	3898.00	mt 980557.54	980972.74	1.78	-132.95	-1.24	0.00	-48.75	-181.16
eu5	48 53.96	-114 23.26	3771.00	mt 980559.23	980970.99	1.80	-128.62	-1.22	0.00	-57.24	-185.28
eu6	48 52.57	-114 23.75	3984.00	mt 980545.42	980968.92	1.26	-135.88	-1.26	0.00	-48.96	-184.84
eu7	48 52.68	-114 25.19	4058.00	mt 980545.82	980969.08	1.42	-138.41	-1.27	0.00	-41.77	-180.02
eu8	48 53.74	-114 25.55	4125.00	mt 980544.64	980970.67	1.39	-140.69	-1.28	0.00	-38.24	-178.82
eu9	48 54.11	-114 27.13	4310.00	mt 980537.07	980971.22	2.49	-147.00	-1.31	0.00	-28.97	-174.80
eu10	48 54.03	-114 28.89	4490.00	mt 980527.01	980971.10	7.07	-153.14	-1.34	0.00	-22.00	-169.41
eu11	48 53.83	-114 30.18	4747.00	mt 980507.22	980970.80	11.71	-161.91	-1.38	0.00	-17.34	-168.91
eu12	48 53.51	-114 30.84	4937.00	mt 980496.43	980970.32	11.33	-168.39	-1.40	0.00	-9.79	-168.25
eu13	48 52.96	-114 31.88	5153.00	mt 980487.47	980969.50	8.63	-175.75	-1.43	0.00	2.36	-166.19
eu14	48 52.81	-114 32.96	5292.00	mt 980479.82	980969.28	6.76	-180.49	-1.44	0.00	8.00	-167.18
eu15	48 52.51	-114 26.72	4244.00	mt 980540.17	980968.83	1.75	-144.75	-1.30	0.00	-29.68	-173.98
eu16	48 52.93	-114 28.38	4666.00	mt 980517.01	980969.46	4.80	-159.14	-1.37	0.00	-13.81	-169.53

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (cl=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER d1=2.67
eu17	48 51.74	-114 28.19			4228.00	mt	980542.57	980967.67	0.00	-27.64
eu18	48 50.98	-114 54.57			3226.00	mt	980609.90	980966.54	0.00	-53.35
eu19	48 51.71	-114 54.58			3286.00	mt	980606.59	980967.63	0.00	-52.10
eu20	48 51.95	-114 56.28			3037.00	mt	980618.54	980967.98	0.00	-63.92
eu21	48 51.55	-114 56.33			3021.00	mt	980618.09	980967.39	0.00	-65.27
eu22	48 50.88	-114 56.88			2886.00	mt	980627.92	980966.39	0.00	-67.13
eu23	48 50.58	-114 58.27			2785.00	mt	980638.85	980965.94	0.00	-65.24
eu24	48 49.72	-114 57.46			2736.00	mt	980639.99	980964.66	0.00	-67.43
eu25	48 50.11	-114 56.14			2841.00	mt	980627.94	980965.24	0.00	-70.19
eu27	48 59.10	-114 50.53			5988.00	mt	980450.27	980978.68	0.00	34.45
eu28	48 58.21	-114 52.49			5532.00	mt	980484.50	980977.35	0.00	27.16
eu29	48 56.71	-114 49.14			6851.00	mt	980391.21	980975.11	0.00	60.04
eu31	48 56.63	-114 47.09			5797.00	mt	980461.93	980974.98	0.00	31.85
eu32	48 56.69	-114 45.85			5444.00	mt	980482.17	980975.07	0.00	18.83
eu33	48 56.93	-114 56.15			7614.00	mt	980342.01	980975.43	0.00	82.18
eu34	48 57.40	-114 57.41			7314.00	mt	980360.56	980976.14	0.00	71.85
eu35	48 58.94	-114 55.09			7623.00	mt	980351.85	980978.44	0.00	89.87
eu37	48 54.30	-114 52.28			6950.00	mt	980376.97	980971.50	0.00	58.70
eu38	48 54.77	-114 52.43			7002.00	mt	980377.58	980972.20	0.00	63.49
eu39	48 52.98	-114 51.01			7131.00	mt	980361.31	980969.53	0.00	62.02
eu40	48 55.51	-114 59.12			3786.00	mt	980582.42	980973.31	0.00	-34.96
eu41	48 55.77	-114 59.08			4004.00	mt	980568.73	980973.70	0.00	-28.55
eu42	48 52.09	-115 5.97			2917.00	mt	980643.20	980968.20	0.00	-50.75
eu43	48 51.42	-115 6.97			3090.00	mt	980633.14	980967.20	0.00	-43.54
eu44	48 48.95	-115 7.23			3348.00	mt	980617.24	980963.50	0.00	-31.50
eu45	48 47.42	-115 8.14			3474.00	mt	980608.11	980961.21	0.00	-26.50
eu46	48 46.90	-115 7.37			3612.00	mt	980599.31	980960.44	0.00	-21.55
eu47	48 46.70	-115 6.33			3714.00	mt	980592.49	980960.13	0.00	-18.48
eu48	48 46.06	-115 5.36			3760.00	mt	980588.70	980959.18	0.00	-16.99
eu49	48 45.30	-115 4.44			3824.00	mt	980583.27	980958.04	0.00	-15.26
eu50	48 49.80	-115 1.60			2993.00	mt	980632.92	980964.77	0.00	-50.46
eu51	48 48.93	-115 0.87			3126.00	mt	980623.58	980963.47	0.00	-46.00
eu52	48 47.87	-115 1.17			3457.00	mt	980603.64	980961.88	0.00	-33.24
eu53	48 46.61	-115 1.17			3583.00	mt	980593.99	980960.00	0.00	-29.16
7 49	22.80	-114 24.90			1356.00	mt	980608.50	981014.07	0.00	-9.60
8 49	24.12	-114 27.84			1231.00	mt	980627.70	981016.05	0.00	-32.40
10 49	23.28	-114 32.58			1077.00	mt	980653.00	981014.79	0.00	-52.40
11 49	21.12	-114 34.50			1052.00	mt	980651.90	981011.57	0.00	-55.90
9004	49 21.84	-114 15.60			1290.00	mt	980620.20	981012.64	0.00	-15.80
9005	49 25.97	-114 30.36			1147.00	mt	980644.10	981018.80	0.00	-46.40
								10.80	-39.12	-0.47
								6.30	-41.99	-0.50
								9.00	-36.73	-0.44
								9.40	-35.88	-0.43
								4.80	-44.00	-0.52
								10.80	-39.12	-0.47

//

KallsPELL CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE AIR	COMPLETE-BOUGUER d1=2.67
12728	49	27.30	-114	1.20	1393.00	mt 980617.70	981020.79	0.00	-47.51	-0.56	-156.10
12729	49	27.30	-114	5.76	1324.00	mt 980622.00	981020.79	0.30	-45.16	-0.53	-165.20
12730	49	27.30	-114	10.62	1436.00	mt 980598.70	981020.79	1.60	-48.98	-0.57	-165.20
12738	49	24.12	-114	1.62	1307.00	mt 980622.30	981016.05	1.30	-44.58	-0.53	-159.30
12739	49	24.12	-114	6.54	1239.00	mt 980628.60	981016.05	0.70	-42.26	-0.50	-166.90
12740	49	22.74	-114	17.58	1330.00	mt 980615.30	981013.98	3.60	-45.36	-0.54	-156.00
12741	49	22.74	-114	21.12	1359.00	mt 980603.80	981013.98	2.40	-46.35	-0.55	-163.10
12742	49	22.68	-114	24.84	1365.00	mt 980607.90	981013.90	4.20	-46.56	-0.55	-155.80
12749	49	20.34	-114	1.62	1167.00	mt 980639.80	981010.41	0.20	-39.80	-0.48	-161.00
12750	49	21.18	-114	6.42	1181.00	mt 980633.30	981011.66	0.80	-40.28	-0.48	-166.30
12751	49	20.04	-114	11.34	1228.00	mt 980619.50	981009.95	2.10	-41.88	-0.50	-166.80
12752	49	20.94	-114	13.14	1290.00	mt 980612.60	981011.30	3.00	-44.00	-0.52	-162.70
12753	49	22.08	-114	16.32	1296.00	mt 980620.50	981013.00	3.60	-44.20	-0.52	-156.00
12763	49	16.92	-114	1.98	1254.00	mt 980618.30	981005.30	0.40	-42.77	-0.51	-156.70
12764	49	17.70	-114	6.60	1254.00	mt 980613.20	981006.46	0.70	-42.77	-0.51	-163.40
12774	49	14.64	-114	1.62	1311.00	mt 980604.50	981001.90	0.80	-44.71	-0.53	-153.20
12775	49	14.46	-114	6.42	1359.00	mt 980590.00	981001.63	1.50	-46.35	-0.55	-157.20
6127	49	28.38	-114	17.04	1645.00	mt 980570.20	981022.40	2.60	-56.11	-0.65	-154.10
6128	49	25.98	-114	17.04	1789.00	mt 980540.10	981018.82	2.20	-61.02	-0.69	-150.50
6129	49	23.58	-114	17.22	1536.00	mt 980577.50	981015.23	1.70	-52.39	-0.61	-157.40
6130	49	21.66	-114	15.30	1290.00	mt 980621.20	981012.38	5.80	-44.00	-0.52	-153.00
4134	49	25.02	-114	20.52	2138.00	mt 980447.00	981017.38	13.70	-72.92	-0.80	-161.00
4138	49	26.34	-114	26.82	2288.00	mt 980411.30	981019.35	25.10	-78.04	-0.85	-159.00
5207	49	28.38	-114	33.66	2184.00	mt 980437.70	981022.40	21.30	-74.49	-0.82	-162.00
5208	49	16.20	-114	35.82	2065.00	mt 980423.00	981004.23	21.80	-70.43	-0.78	-169.40
5215	49	11.76	-114	30.42	2232.00	mt 980386.50	980997.59	19.70	-76.13	-0.83	-164.10
5222	49	26.34	-114	18.06	2359.00	mt 980406.20	981019.35	18.40	-80.46	-0.87	-156.90
5226	49	22.62	-114	12.90	2054.00	mt 980452.00	981013.80	18.30	-70.06	-0.78	-161.90
5227	49	20.34	-114	17.94	2039.00	mt 980454.60	981010.41	15.40	-69.54	-0.77	-159.60
5228	49	17.22	-114	30.60	2190.00	mt 980412.10	981005.75	9.80	-74.69	-0.82	-170.10
5229	49	17.64	-114	23.82	2091.00	mt 980437.20	981006.38	13.80	-71.32	-0.79	-161.60
5230	49	16.08	-114	15.90	1743.00	mt 980503.20	981004.05	7.80	-59.45	-0.68	-166.20
5231	49	15.66	-114	9.78	1809.00	mt 980490.80	981003.42	10.50	-61.70	-0.70	-161.90
5232	49	14.22	-114	22.68	2114.00	mt 980428.20	981001.27	15.90	-72.10	-0.80	-155.60
5233	49	10.56	-114	23.58	2302.00	mt 980370.20	980995.80	21.40	-78.51	-0.85	-161.90
5234	49	6.78	-114	25.74	2321.00	mt 980365.30	980990.16	13.00	-79.16	-0.86	-162.10
5235	49	3.18	-114	25.80	2386.00	mt 980327.00	980984.78	26.40	-81.38	-0.88	-165.20
5236	49	3.24	-114	17.40	1351.00	mt 980541.20	980984.87	1.40	-46.08	-0.54	-179.80
5237	49	9.12	-114	17.64	2171.00	mt 980386.00	980993.66	24.00	-74.05	-0.81	-165.70
5238	49	8.88	-114	19.98	1386.00	mt 980556.70	980993.30	3.50	-47.27	-0.56	-169.20

BOUGUER GRAVITY DATA

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER d1=2.67	
5239 49	5.70	-114 12.42	2341.00	mt 980344.90	980988.55	28.60	0.00	73.30	-160.20
5240 49	8.64	-114 11.04	2521.00	mt 980317.10	980992.94	28.30	0.00	93.70	-160.20
5241 49	3.00	-114 4.74	2524.00	mt 980304.20	980984.51	34.10	0.00	95.60	-152.80
5242 49	7.80	-114 3.66	2636.00	mt 980294.20	980991.68	32.90	0.00	108.40	-153.90
5245 49	12.00	-114 3.72	2251.00	mt 980381.40	980997.95	30.60	0.00	66.40	-155.00
5246 49	11.70	-114 13.68	2335.00	mt 980360.90	980997.51	25.10	0.00	72.40	-163.90
9046 49	21.94	-114 16.34	1292.00	mt 980619.90	981012.78	6.80	0.00	-15.80	-153.70
9047 49	22.95	-114 3.35	1173.00	mt 980639.50	981014.30	0.40	0.00	-35.50	-166.40
15536 49	1.55	-114 35.22	2391.00	mt 980326.40	980982.34	29.90	0.00	80.50	-157.30
15537 49	1.07	-114 27.24	2277.00	mt 980347.80	980981.63	18.90	0.00	67.90	-168.10
15538 49	1.42	-114 18.12	1246.00	mt 980553.80	980982.14	1.50	0.00	-45.00	-183.00
15539 49	7.39	-114 18.90	1347.00	mt 980558.80	980991.07	4.40	0.00	-23.70	-170.20
15541 49	2.21	-114 12.06	2593.00	mt 980286.10	980983.33	48.50	0.00	101.00	-140.80
15542 49	0.10	-114 2.52	2414.00	mt 980324.70	980980.17	27.20	0.00	89.60	-153.50
15543 49	13.05	-114 9.30	2229.00	mt 980381.20	980999.52	31.80	0.00	56.80	-160.90
15546 49	29.71	-114 23.10	2524.00	mt 980369.80	981024.38	23.00	0.00	94.90	-164.60
15620 49	26.45	-114 31.32	1133.00	mt 980652.80	981019.52	5.40	0.00	-43.10	-164.60
13302 49	8.76	-114 35.46	2038.00	mt 980406.30	980993.12	33.50	0.00	33.50	-161.20
13303 49	11.22	-114 32.64	1550.00	mt 980536.30	980996.79	9.30	0.00	6.80	-157.40
13304 49	15.06	-114 34.62	1984.00	mt 980426.80	981002.52	9.60	0.00	21.60	-190.90
14904 49	20.20	-114 2.28	1166.00	mt 980637.70	981010.19	0.50	0.00	-32.50	-162.60
14910 49	21.09	-114 4.80	1181.00	mt 980631.60	981011.52	0.30	0.00	-36.20	-168.20
14916 49	21.12	-114 7.56	1193.00	mt 980629.20	981011.57	0.90	0.00	-35.20	-167.90
14923 49	20.26	-114 10.02	1218.00	mt 980620.40	981010.28	1.40	0.00	-34.10	-169.10
14929 49	20.14	-114 12.66	1256.00	mt 980614.30	981010.11	2.20	0.00	-28.00	-166.50
14935 49	21.64	-114 14.58	1287.00	mt 980618.00	981012.34	3.80	0.00	-18.60	-158.90
14942 49	22.63	-114 16.98	1314.00	mt 980617.40	981013.81	2.70	0.00	-13.20	-157.70
14948 49	22.94	-114 19.74	1381.00	mt 980602.30	981014.29	1.90	0.00	-8.50	-161.30
14954 49	22.70	-114 22.74	1383.00	mt 980598.60	981013.92	5.00	0.00	-11.10	-161.00
14962 49	23.33	-114 25.14	1361.00	mt 980607.90	981014.86	4.00	0.00	-9.90	-158.40
14969 49	24.14	-114 27.84	1230.00	mt 980627.70	981016.07	5.20	0.00	-32.70	-165.30
14976 49	25.48	-114 29.82	1169.00	mt 980636.30	981018.06	9.60	0.00	-46.20	-167.50
14982 49	26.42	-114 31.50	1143.00	mt 980651.90	981019.47	5.10	0.00	-41.00	-163.90
14987 49	24.80	-114 32.04	1145.00	mt 980642.10	981017.05	7.70	0.00	-46.00	-166.60
14994 49	22.98	-114 32.94	1070.00	mt 980654.00	981014.34	7.10	0.00	-52.70	-165.50
15001 49	21.43	-114 34.38	1051.00	mt 980652.20	981012.03	8.40	0.00	-56.70	-166.00
16 49	13.80	-115 29.52	929.00	mt 980682.50	981000.64	5.60	0.00	-44.90	-143.40
18 49	7.38	-115 35.58	905.00	mt 980674.40	980991.05	14.80	0.00	-44.60	-131.20
372 49	29.88	-115 27.00	778.00	mt 980736.60	981024.63	2.00	0.00	-77.60	-162.70
373 49	28.92	-115 27.72	773.00	mt 980737.30	981023.20	2.20	0.00	-75.80	-160.20

Kallispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER d1=2.67
374	49	27.24	-115	28.08	879.00	mt	980711.80	1.20	-29.98	-0.37
375	49	25.44	-115	28.62	887.00	mt	980710.10	0.70	-30.25	-0.37
376	49	25.14	-115	30.96	982.00	mt	980694.90	0.50	-33.49	-0.41
377	49	19.98	-115	27.54	904.00	mt	980699.20	0.50	-30.83	-0.38
378	49	20.58	-115	28.86	917.00	mt	980697.70	0.80	-31.28	-0.38
379	49	21.72	-115	31.02	884.00	mt	980709.30	1.00	-30.15	-0.37
380	49	22.14	-115	32.52	933.00	mt	980701.10	0.70	-31.82	-0.39
381	49	22.92	-115	34.56	944.00	mt	980703.20	1.70	-32.20	-0.39
389	49	21.12	-115	31.38	919.00	mt	980697.50	1.20	-31.34	-0.38
390	49	20.76	-115	33.54	929.00	mt	980695.20	2.40	-31.69	-0.39
391	49	20.10	-115	34.50	976.00	mt	980682.10	3.80	-33.29	-0.40
392	49	20.94	-115	33.30	1193.00	mt	980641.50	3.70	-40.69	-0.49
393	49	8.46	-115	7.56	796.00	mt	980672.10	0.90	-27.15	-0.33
394	49	6.96	-115	7.92	731.00	mt	980687.70	1.50	-24.93	-0.31
395	49	7.26	-115	8.52	733.00	mt	980697.60	1.60	-25.00	-0.31
396	49	7.14	-115	10.08	867.00	mt	980677.90	0.70	-29.57	-0.36
397	49	7.32	-115	10.98	933.00	mt	980667.10	0.50	-31.82	-0.39
398	49	7.86	-115	12.72	1021.00	mt	980654.20	0.90	-34.82	-0.42
399	49	7.44	-115	15.00	983.00	mt	980664.90	1.60	-33.53	-0.41
400	49	9.90	-115	6.54	829.00	mt	980677.10	1.10	-28.27	-0.35
401	49	10.50	-115	5.40	877.00	mt	980677.30	1.30	-29.91	-0.37
402	49	11.04	-115	2.22	928.00	mt	980657.10	11.40	-31.65	-0.39
403	49	14.16	-115	0.54	956.00	mt	980654.50	9.60	-32.61	-0.40
404	49	12.72	-115	7.32	868.00	mt	980678.30	1.90	-29.60	-0.36
405	49	13.32	-115	10.86	823.00	mt	980678.10	1.00	-28.07	-0.34
406	49	16.80	-115	16.86	787.00	mt	980704.70	1.90	-26.84	-0.33
407	49	18.90	-115	22.20	818.00	mt	980707.70	2.10	-27.90	-0.34
408	49	20.10	-115	25.62	893.00	mt	980700.10	1.20	-30.46	-0.37
409	49	23.58	-115	26.52	899.00	mt	980700.90	0.80	-30.66	-0.37
410	49	15.18	-115	31.26	986.00	mt	980679.40	2.30	-33.63	-0.41
411	49	16.32	-115	30.54	994.00	mt	980684.80	1.50	-33.90	-0.41
412	49	17.94	-115	28.74	931.00	mt	980695.10	1.80	-31.75	-0.39
413	49	21.18	-115	24.12	844.00	mt	980704.90	1.10	-28.79	-0.35
414	49	21.66	-115	23.58	832.00	mt	980702.30	1.50	-28.38	-0.35
415	49	22.02	-115	22.62	768.00	mt	980712.10	2.60	-26.19	-0.32
416	49	22.26	-115	22.14	827.00	mt	980702.60	2.60	-28.21	-0.35
417	49	23.82	-115	21.60	947.00	mt	980693.60	8.50	-32.30	-0.39
418	49	23.88	-115	20.64	970.00	mt	980685.20	12.10	-33.08	-0.40
419	49	23.58	-115	22.14	858.00	mt	980706.00	4.00	-29.26	-0.36
420	49	22.98	-115	22.80	838.00	mt	980700.00	3.00	-28.58	-0.35

hi

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S				
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67			
421	49	24.24	-115	22.98	852.00	mt	980703.40	981016.22	3.40	-29.06 -0.36	0.00	-73.80	-165.90
422	49	25.14	-115	24.78	775.00	mt	980720.80	981017.56	3.70	-26.43 -0.33	0.00	-82.50	-165.60
423	49	27.42	-115	28.20	773.00	mt	980732.90	981020.97	2.40	-26.36 -0.33	0.00	-76.80	-160.90
424	49	23.82	-115	28.20	872.00	mt	980704.10	981015.59	0.60	-29.74 -0.36	0.00	-65.90	-163.00
425	49	22.20	-115	26.40	847.00	mt	980709.50	981013.18	0.80	-28.89 -0.35	0.00	-64.20	-158.20
426	49	21.24	-115	27.06	806.00	mt	980717.20	981011.75	1.30	-27.49 -0.34	0.00	-66.80	-155.80
9006	49	18.12	-115	2.04	1008.00	mt	980656.30	981007.09	0.90	-34.38 -0.42	0.00	-57.50	-169.50
9007	49	10.81	-115	3.96	940.00	mt	980661.10	980996.17	5.30	-32.06 -0.39	0.00	-55.50	-155.50
9008	49	15.24	-115	15.42	758.00	mt	980708.10	981002.79	2.70	-25.85 -0.32	0.00	-75.70	-158.00
9009	49	18.36	-115	27.66	917.00	mt	980699.50	981007.45	1.30	-31.28 -0.38	0.00	-43.00	-144.40
9010	49	10.44	-115	30.06	930.00	mt	980679.80	980995.63	8.30	-31.72 -0.39	0.00	-39.10	-135.00
9076	49	24.66	-115	35.34	1115.00	mt	980672.10	981016.85	3.50	-38.03 -0.46	0.00	-24.90	-146.30
9147	49	18.90	-115	27.36	913.00	mt	980700.70	981008.26	1.20	-31.14 -0.38	0.00	-44.40	-145.50
4122	49	1.50	-115	30.54	1587.00	mt	980549.90	980982.27	6.80	-54.13 -0.63	0.00	56.00	-114.90
4123	49	0.06	-115	26.16	1808.00	mt	980487.60	980980.12	14.50	-61.67 -0.70	0.00	65.60	-122.40
4124	49	4.20	-115	19.68	1934.00	mt	980467.90	980986.30	14.40	-65.96 -0.74	0.00	74.20	-127.80
4125	49	4.68	-115	13.56	1778.00	mt	980487.90	980987.02	17.00	-60.64 -0.69	0.00	45.00	-137.10
4126	49	9.06	-115	14.46	1616.00	mt	980531.70	980993.56	10.50	-55.12 -0.64	0.00	27.90	-142.50
4127	49	12.72	-115	17.82	1670.00	mt	980527.80	980999.03	12.70	-56.96 -0.65	0.00	31.70	-142.60
4128	49	16.56	-115	22.68	2199.00	mt	980409.40	981004.77	35.60	-75.00 -0.82	0.00	66.80	-143.70
4129	49	13.68	-115	26.52	2086.00	mt	980446.30	981000.46	18.20	-71.15 -0.79	0.00	76.10	-139.30
4130	49	9.12	-115	27.48	2093.00	mt	980447.70	980993.66	16.00	-71.39 -0.79	0.00	91.00	-127.30
5204	49	19.32	-115	13.26	2390.00	mt	980364.20	981008.88	49.40	-81.52 -0.88	0.00	73.80	-144.30
5205	49	23.22	-115	10.20	1845.00	mt	980510.20	981014.70	16.50	-62.93 -0.71	0.00	41.90	-148.20
5206	49	27.24	-115	7.44	2369.00	mt	980403.20	981020.70	32.10	-80.80 -0.87	0.00	86.80	-146.40
5209	49	6.96	-115	5.82	880.00	mt	980642.40	980990.43	1.60	-30.01 -0.37	0.00	-83.20	-180.20
5210	49	22.14	-115	26.70	896.00	mt	980701.30	981013.09	0.80	-30.56 -0.37	0.00	-57.10	-156.60
5216	49	3.90	-115	0.30	2318.00	mt	980352.40	980985.85	30.90	-79.06 -0.86	0.00	78.10	-150.50
5217	49	14.88	-115	6.84	2032.00	mt	980427.80	981002.26	33.90	-69.31 -0.77	0.00	38.00	-155.60
5218	49	24.84	-115	16.98	2309.00	mt	980423.10	981017.12	17.00	-78.75 -0.86	0.00	94.00	-147.50
5219	49	29.04	-115	9.12	2314.00	mt	980429.30	981023.38	23.20	-78.92 -0.86	0.00	91.30	-144.60
5220	49	29.94	-115	14.82	2437.00	mt	980416.10	981024.73	10.30	-83.12 -0.89	0.00	113.70	-148.80
5221	49	27.54	-115	24.18	1115.00	mt	980667.90	981021.14	8.50	-38.03 -0.46	0.00	-36.40	-152.80
9032	49	21.87	-115	28.26	926.00	mt	980693.70	981012.69	0.90	-31.58 -0.39	0.00	-54.80	-157.60
9045	49	17.80	-115	2.67	990.00	mt	980659.40	981006.61	5.60	-33.77 -0.41	0.00	-59.40	-164.60
9809	49	19.20	-115	27.60	913.00	mt	980700.70	981008.70	1.30	-31.14 -0.38	0.00	-45.20	-146.10
15501	49	10.37	-115	30.00	933.00	mt	980678.80	980995.52	9.10	-31.82 -0.39	0.00	-38.80	-134.30
15502	49	8.10	-115	32.40	916.00	mt	980681.50	980992.13	9.00	-31.24 -0.38	0.00	-35.90	-129.40
15507	49	25.25	-115	35.58	1233.00	mt	980650.20	981017.73	2.30	-42.05 -0.50	0.00	-11.90	-147.70
15529	49	4.71	-115	29.58	1969.00	mt	980476.00	980987.06	9.70	-67.16 -0.75	0.00	92.00	-118.80

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg min	ELE ST OBSERVED (in ft)	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER d1=2.67	
15530	49 10.93	-115 23.28	2166.00 mt	980430.50	15.80	-73.88	-0.81	
15531	49 0.66	-115 17.46	1359.00 mt	980583.00	5.00	-46.35	-0.55	
15532	49 2.37	-115 21.18	1798.00 mt	980493.10	12.20	-61.32	-0.70	
15535	49 18.34	-115 6.30	1383.00 mt	980585.20	5.60	-47.17	-0.55	
15545	49 10.37	-115 3.42	1186.00 mt	980612.30	5.70	-40.45	-0.48	
15552	49 27.02	-115 30.48	1147.00 mt	980670.00	2.70	-39.12	-0.47	
15601	49 14.36	-115 22.26	1275.00 mt	980617.00	2.20	-43.49	-0.52	
15602	49 9.59	-115 16.92	1064.00 mt	980650.20	1.70	-36.29	-0.44	
15603	49 3.95	-115 8.52	765.00 mt	980688.70	2.30	-26.09	-0.32	
15606	49 18.11	-115 2.22	1008.00 mt	980656.10	4.30	-34.38	-0.42	
15607	49 7.74	-115 5.34	876.00 mt	980649.90	2.00	-29.88	-0.37	
15608	49 3.73	-115 3.24	833.00 mt	980663.80	5.90	-28.41	-0.35	
15609	49 0.31	-115 4.86	790.00 mt	980658.80	1.30	-26.94	-0.33	
13071	49 17.58	-115 2.40	998.00 mt	980657.80	4.70	-34.04	-0.41	
13301	49 3.84	-115 0.24	2318.00 mt	980355.80	26.80	-79.06	-0.86	
13313	49 13.44	-115 31.26	1066.00 mt	980659.50	6.50	-36.36	-0.44	
13358	49 11.70	-115 35.34	1749.00 mt	980528.80	3.40	-59.65	-0.68	
13403	49 27.06	-115 30.18	1119.00 mt	980670.50	3.70	-38.17	-0.46	
13423	49 15.06	-115 35.22	1297.00 mt	980621.90	2.60	-44.24	-0.52	
15008	49 20.00	-115 0.12	1026.00 mt	980654.70	7.60	-34.99	-0.42	
15014	49 18.67	-115 2.16	1004.00 mt	980657.00	6.00	-34.24	-0.41	
15021	49 16.93	-115 2.70	984.00 mt	980658.50	5.20	-33.56	-0.41	
15028	49 15.07	-115 1.44	966.00 mt	980653.00	8.90	-32.95	-0.40	
15034	49 13.17	-115 0.48	956.00 mt	980652.10	10.50	-32.61	-0.40	
15039	49 11.83	-115 0.72	954.00 mt	980645.50	17.80	-32.54	-0.40	
15044	49 11.11	-115 3.18	955.00 mt	980654.90	8.30	-32.57	-0.40	
15051	49 10.55	-115 5.46	872.00 mt	980678.50	1.60	-29.74	-0.36	
15057	49 12.13	-115 6.78	854.00 mt	980683.70	2.30	-29.13	-0.36	
15063	49 13.41	-115 8.58	870.00 mt	980672.80	1.60	-29.67	-0.36	
15069	49 13.72	-115 11.16	850.00 mt	980674.50	0.90	-28.99	-0.36	
15076	49 14.76	-115 13.86	855.00 mt	980684.60	1.10	-29.16	-0.36	
15084	49 16.19	-115 15.96	782.00 mt	980703.00	1.90	-26.67	-0.33	
15092	49 17.05	-115 18.66	821.00 mt	980702.80	2.30	-28.00	-0.34	
15098	49 18.30	-115 21.00	816.00 mt	980708.40	2.50	-27.83	-0.34	
15104	49 19.81	-115 23.28	822.00 mt	980708.60	1.40	-28.04	-0.34	
15113	49 20.08	-115 25.56	889.00 mt	980701.40	1.20	-30.32	-0.37	
15118	49 18.71	-115 27.30	912.00 mt	980700.70	1.00	-31.11	-0.38	
15124	49 17.23	-115 29.16	947.00 mt	980692.90	1.80	-32.30	-0.39	
15130	49 15.91	-115 31.44	998.00 mt	980682.80	2.50	-34.04	-0.41	
15137	49 14.23	-115 30.96	957.00 mt	980680.60	7.60	-32.64	-0.40	
15170	49 10.93	-115 23.28	2166.00 mt	980430.50	15.80	-73.88	-0.81	
15171	49 0.66	-115 17.46	1359.00 mt	980583.00	5.00	-46.35	-0.55	
15172	49 2.37	-115 21.18	1798.00 mt	980493.10	12.20	-61.32	-0.70	
15173	49 18.34	-115 6.30	1383.00 mt	980585.20	5.60	-47.17	-0.55	
15174	49 10.37	-115 3.42	1186.00 mt	980612.30	5.70	-40.45	-0.48	
15175	49 27.02	-115 30.48	1147.00 mt	980670.00	2.70	-39.12	-0.47	
15176	49 14.36	-115 22.26	1275.00 mt	980617.00	2.20	-43.49	-0.52	
15177	49 9.59	-115 16.92	1064.00 mt	980650.20	1.70	-36.29	-0.44	
15178	49 3.95	-115 8.52	765.00 mt	980688.70	2.30	-26.09	-0.32	
15179	49 18.11	-115 2.22	1008.00 mt	980656.10	4.30	-34.38	-0.42	
15180	49 7.74	-115 5.34	876.00 mt	980649.90	2.00	-29.88	-0.37	
15181	49 3.73	-115 3.24	833.00 mt	980663.80	5.90	-28.41	-0.35	
15182	49 0.31	-115 4.86	790.00 mt	980658.80	1.30	-26.94	-0.33	
15183	49 17.58	-115 2.40	998.00 mt	980657.80	4.70	-34.04	-0.41	
15184	49 3.84	-115 0.24	2318.00 mt	980355.80	26.80	-79.06	-0.86	
15185	49 13.44	-115 31.26	1066.00 mt	980659.50	6.50	-36.36	-0.44	
15186	49 11.70	-115 35.34	1749.00 mt	980528.80	3.40	-59.65	-0.68	
15187	49 27.06	-115 30.18	1119.00 mt	980670.50	3.70	-38.17	-0.46	
15188	49 15.06	-115 35.22	1297.00 mt	980621.90	2.60	-44.24	-0.52	
15189	49 20.00	-115 0.12	1026.00 mt	980654.70	7.60	-34.99	-0.42	
15190	49 18.67	-115 2.16	1004.00 mt	980657.00	6.00	-34.24	-0.41	
15191	49 16.93	-115 2.70	984.00 mt	980658.50	5.20	-33.56	-0.41	
15192	49 15.07	-115 1.44	966.00 mt	980653.00	8.90	-32.95	-0.40	
15193	49 13.17	-115 0.48	956.00 mt	980652.10	10.50	-32.61	-0.40	
15194	49 11.83	-115 0.72	954.00 mt	980645.50	17.80	-32.54	-0.40	
15195	49 11.11	-115 3.18	955.00 mt	980654.90	8.30	-32.57	-0.40	
15196	49 10.55	-115 5.46	872.00 mt	980678.50	1.60	-29.74	-0.36	
15197	49 12.13	-115 6.78	854.00 mt	980683.70	2.30	-29.13	-0.36	
15198	49 13.41	-115 8.58	870.00 mt	980672.80	1.60	-29.67	-0.36	
15199	49 13.72	-115 11.16	850.00 mt	980674.50	0.90	-28.99	-0.36	
15200	49 14.76	-115 13.86	855.00 mt	980684.60	1.10	-29.16	-0.36	
15201	49 16.19	-115 15.96	782.00 mt	980703.00	1.90	-26.67	-0.33	
15202	49 17.05	-115 18.66	821.00 mt	980702.80	2.30	-28.00	-0.34	
15203	49 18.30	-115 21.00	816.00 mt	980708.40	2.50	-27.83	-0.34	
15204	49 19.81	-115 23.28	822.00 mt	980708.60	1.40	-28.04	-0.34	
15205	49 20.08	-115 25.56	889.00 mt	980701.40	1.20	-30.32	-0.37	
15206	49 18.71	-115 27.30	912.00 mt	980700.70	1.00	-31.11	-0.38	
15207	49 17.23	-115 29.16	947.00 mt	980692.90	1.80	-32.30	-0.39	
15208	49 15.91	-115 31.44	998.00 mt	980682.80	2.50	-34.04	-0.41	
15209	49 14.23	-115 30.96	957.00 mt	980680.60	7.60	-32.64	-0.40	
15210	49 10.93	-115 23.28	2166.00 mt	980430.50	15.80	-73.88	-0.81	
15211	49 0.66	-115 17.46	1359.00 mt	980583.00	5.00	-46.35	-0.55	
15212	49 2.37	-115 21.18	1798.00 mt	980493.10	12.20	-61.32	-0.70	
15213	49 18.34	-115 6.30	1383.00 mt	980585.20	5.60	-47.17	-0.55	
15214	49 10.37	-115 3.42	1186.00 mt	980612.30	5.70	-40.45	-0.48	
15215	49 27.02	-115 30.48	1147.00 mt	980670.00	2.70	-39.12	-0.47	
15216	49 14.36	-115 22.26	1275.00 mt	980617.00	2.20	-43.49	-0.52	
15217	49 9.59	-115 16.92	1064.00 mt	980650.20	1.70	-36.29	-0.44	
15218	49 3.95	-115 8.52	765.00 mt	980688.70	2.30	-26.09	-0.32	
15219	49 18.11	-115 2.22	1008.00 mt	980656.10	4.30	-34.38	-0.42	
15220	49 7.74	-115 5.34	876.00 mt	980649.90	2.00	-29.88	-0.37	
15221	49 3.73	-115 3.24	833.00 mt	980663.80	5.90	-28.41	-0.35	
15222	49 0.31	-115 4.86	790.00 mt	980658.80	1.30	-26.94	-0.33	
15223	49 17.58	-115 2.40	998.00 mt	980657.80	4.70	-34.04	-0.41	
15224	49 3.84	-115 0.24	2318.00 mt	980355.80	26.80	-79.06	-0.86	
15225	49 13.44	-115 31.26	1066.00 mt	980659.50	6.50	-36.36	-0.44	
15226	49 11.70	-115 35.34	1749.00 mt	980528.80	3.40	-59.65	-0.68	
15227	49 27.06	-115 30.18	1119.00 mt	980670.50	3.70	-38.17	-0.46	
15228	49 15.06	-115 35.22	1297.00 mt	980621.90	2.60	-44.24	-0.52	
15229	49 20.00	-115 0.12	1026.00 mt	980654.70	7.60	-34.99	-0.42	
15230	49 18.67	-115 2.16	1004.00 mt	980657.00	6.00	-34.24	-0.41	
15231	49 16.93	-115 2.70	984.00 mt	980658.50	5.20	-33.56	-0.41	
15232	49 15.07	-115 1.44	966.00 mt	980653.00	8.90	-32.95	-0.40	
15233	49 13.17	-115 0.48	956.00 mt	980652.10	10.50	-32.61	-0.40	
15234	49 11.83	-115 0.72	954.00 mt	980645.50	17.80	-32.54	-0.40	
15235	49 11.11	-115 3.18	955.00 mt	980654.90	8.30	-32.57	-0.40	
15236	49 10.55	-115 5.46	872.00 mt	980678.50	1.60	-29.74	-0.36	
15237	49 12.13	-115 6.78	854.00 mt	980683.70	2.30	-29.13	-0.36	
15238	49 13.41	-115 8.58	870.00 mt	980672.80	1.60	-29.67	-0.36	
15239	49 13.72	-115 11.16	850.00 mt	980674.50	0.90	-28.99	-0.36	
15240	49 14.76	-115 13.86	855.00 mt	980684.60	1.10	-29.16	-0.36	
15241	49 16.19	-115 15.96	782.00 mt	980703.00	1.90	-26.67	-0.33	
15242	49 17.05	-115 18.66	821.00 mt	980702.80	2.30	-28.00	-0.34	
15243	49 18.30	-115 21.00	816.00 mt	980708.40	2.50	-27.83	-0.34	
15244	49 19.81	-115 23.28	822.00 mt	980708.60	1.40	-28.04	-0.34	
15245	49 20.08	-115 25.56	889.00 mt	980701.40	1.20	-30.32	-0.37	
15246	49 18.71	-115 27.30	912.00 mt	980700.70	1.00	-31.11	-0.38	
15247	49 17.23	-115 29.16	947.00 mt	980692.90	1.80	-32.30	-0.39	
15248	49 15.91	-115 31.44	998.00 mt	980682.80	2.50	-34.04	-0.41	
15249	49 14.23	-115 30.96	957.00 mt	980680.60	7.60	-32.64	-0.40	
15250	49 10.93	-115 23.28	2166.00 mt	980430.50	15.80	-73.88	-0.81	
15251	49 0.66	-115 17.46	1359.00 mt	980583.00	5.00	-46.35	-0.55	
15252	49 2.37	-115 21.18	1798.00 mt	980493.10	12.20	-61.32	-0.70	
15253	49 18.34	-115 6.30	1383.00 mt	980585.20	5.60	-47.17	-0.55	
15254	49 10.37	-115 3.42	1186.00 mt	980612.30	5.70</			

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min deg	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	COMPLETE-BOUGUER d1=2.67
15144	49 12.81	-115 29.52	964.00	mt	980672.30	980999.16	0.00	-42.00
15152	49 10.97	-115 29.82	938.00	mt	980681.10	980996.42	0.00	-36.70
15159	49 9.29	-115 30.66	937.00	mt	980680.50	980993.91	0.00	-33.30
15165	49 8.14	-115 32.52	935.00	mt	980677.90	980992.18	0.00	-33.80
15172	49 7.39	-115 35.52	906.00	mt	980674.70	980991.06	0.00	-43.90
388	49 22.86	-116 0.00	962.00	mt	980695.20	981014.16	0.00	-44.60
eu54	48 37.16	-115 57.59	2581.00	mt	980653.59	980945.85	0.00	-49.59
eu55	48 38.08	-115 58.52	2636.00	mt	980650.64	980947.23	0.00	-48.76
eu56	48 39.04	-115 58.89	2709.00	mt	980649.31	980948.67	0.00	-44.66
eu57	48 39.75	-115 59.19	2816.00	mt	980644.70	980949.73	0.00	-40.27
eu58	48 40.31	-115 59.66	2899.00	mt	980639.88	980950.57	0.00	-38.13
eu59	48 41.00	-116 0.39	2934.00	mt	980638.61	980951.60	0.00	-37.15
eu60	48 41.52	-116 1.13	2920.00	mt	980640.88	980952.38	0.00	-36.97
eu61	48 42.27	-116 2.02	2677.00	mt	980651.95	980953.51	0.00	-49.86
eu62	48 42.31	-116 2.87	2507.00	mt	980665.98	980953.57	0.00	-51.87
eu63	48 41.93	-116 3.36	2506.00	mt	980668.22	980952.99	0.00	-49.16
eu64	48 42.63	-116 4.04	2559.00	mt	980667.34	980954.05	0.00	-46.10
eu65	48 43.13	-116 3.95	2534.00	mt	980668.36	980954.79	0.00	-48.19
eu66	48 43.60	-116 3.74	2567.00	mt	980663.63	980955.50	0.00	-50.51
eu67	48 45.10	-116 4.84	2696.00	mt	980658.12	980957.74	0.00	-46.15
eu68	48 45.67	-116 5.57	2634.00	mt	980663.59	980958.59	0.00	-47.35
eu69	48 46.29	-116 6.69	2680.00	mt	980665.52	980959.52	0.00	-42.03
eu70	48 47.17	-116 5.78	3258.00	mt	980629.73	980960.84	0.00	-24.80
eu71	48 48.77	-116 5.88	4146.00	mt	980580.44	980963.23	0.00	6.97
eu72	48 46.30	-116 7.20	2589.00	mt	980671.91	980959.54	0.00	-44.20
eu73	48 46.79	-116 7.43	2633.00	mt	980669.99	980960.27	0.00	-42.72
eu74	48 48.88	-116 6.83	2766.00	mt	980661.53	980963.40	0.00	-41.81
eu75	48 49.72	-116 5.88	3024.00	mt	980648.55	980964.66	0.00	-31.80
eu76	48 50.29	-116 5.27	3071.00	mt	980647.81	980965.51	0.00	-28.97
eu77	48 48.89	-116 2.96	4290.00	mt	980577.76	980963.41	0.00	17.64
eu78	48 49.74	-116 4.36	3417.00	mt	980626.23	980964.68	0.00	-17.20
eu79	48 46.30	-116 7.20	2589.00	mt	980671.72	980959.54	0.00	-44.40
eu80	48 49.62	-115 43.82	2942.00	mt	980657.11	980964.50	0.00	-30.79
eu81	48 49.77	-115 45.62	2993.00	mt	980656.90	980964.73	0.00	-26.43
eu82	48 50.49	-115 45.99	3060.00	mt	980655.10	980965.80	0.00	-23.01
eu83	48 51.70	-115 46.88	3281.00	mt	980644.51	980967.62	0.00	-14.64
eu84	48 53.54	-115 48.48	3514.00	mt	980633.78	980970.37	0.00	-6.22
eu85	48 53.81	-115 48.57	3582.00	mt	980629.93	980970.77	0.00	-4.09
eu86	48 54.48	-115 49.17	3651.00	mt	980626.07	980971.77	0.00	-2.46
eu87	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu88	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu89	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu90	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu91	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu92	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu93	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu94	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu95	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu96	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu97	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu98	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu99	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47
eu100	48 51.76	-115 47.87	3695.00	mt	980618.86	980967.71	0.00	-1.47

Kali spell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
eu87	48	54.69	-115	49.30	3679.00	mt	980624.66	980972.09	6.93	-125.48 -1.20
eu88	48	55.50	-115	49.89	3817.00	mt	980617.88	980973.30	8.12	-130.19 -1.23
eu89	48	55.98	-115	50.18	3873.00	mt	980613.91	980974.02	9.95	-132.10 -1.24
eu90	48	56.92	-115	50.39	4245.00	mt	980597.76	980975.42	4.61	-144.78 -1.30
eu91	48	58.56	-115	49.05	4230.00	mt	980600.48	980977.88	2.78	-144.27 -1.30
eu92	48	58.68	-115	50.10	4330.00	mt	980597.87	980978.05	1.93	-147.68 -1.32
eu93	48	59.02	-115	49.43	4160.00	mt	980605.77	980978.56	2.10	-141.89 -1.29
eu94	48	59.68	-115	49.28	4025.00	mt	980614.70	980979.55	3.31	-137.28 -1.26
eu95	48	58.47	-115	50.97	4487.00	mt	980591.43	980977.73	1.98	-153.04 -1.34
eu96	48	58.38	-115	51.47	4523.00	mt	980589.97	980977.60	2.49	-154.27 -1.35
eu97	48	58.10	-115	51.88	4514.00	mt	980590.07	980977.18	3.17	-153.96 -1.35
eu98	48	58.37	-115	52.98	5049.00	mt	980559.23	980977.59	3.07	-172.21 -1.42
eu99	48	58.48	-115	53.28	5121.00	mt	980554.82	980977.76	3.61	-174.66 -1.42
eu100	48	58.83	-115	53.92	5294.00	mt	980543.97	980978.27	5.63	-180.56 -1.44
eu101	48	57.19	-115	52.41	4653.00	mt	980580.31	980975.83	5.64	-158.70 -1.37
eu102	48	56.79	-115	54.32	4824.00	mt	980567.80	980975.23	4.57	-164.53 -1.39
eu103	48	56.90	-115	54.82	5095.00	mt	980551.97	980975.39	4.74	-173.78 -1.42
eu104	48	57.44	-115	54.00	5349.00	mt	980539.16	980976.20	3.84	-182.44 -1.45
eu105	48	57.64	-115	54.29	5454.00	mt	980533.75	980976.50	4.26	-186.02 -1.46
eu106	48	57.28	-115	54.79	5834.00	mt	980508.62	980975.96	5.79	-198.98 -1.49
eu107	48	58.18	-115	56.23	6378.00	mt	980477.57	980977.30	5.44	-217.54 -1.51
eu108	48	58.29	-115	56.85	6190.00	mt	980487.97	980977.47	7.96	-211.12 -1.50
eu109	48	58.76	-115	56.93	6068.00	mt	980496.23	980978.17	6.76	-206.96 -1.50
eu110	48	57.66	-115	55.50	6080.00	mt	980495.11	980976.53	5.64	-207.37 -1.50
eu111	48	57.06	-115	53.04	4603.00	mt	980582.62	980975.63	5.39	-157.00 -1.36
eu101	48	57.19	-115	52.41	4653.00	mt	980580.25	980975.83	5.64	-158.70 -1.37
eu112	48	56.35	-115	54.82	4819.00	mt	980567.50	980974.57	7.03	-164.36 -1.39
eu113	48	55.98	-115	55.65	5067.00	mt	980549.01	980974.02	7.41	-172.82 -1.42
eu114	48	55.74	-115	55.88	5161.00	mt	980543.05	980973.66	8.27	-176.03 -1.43
eu115	48	55.18	-115	56.98	5597.00	mt	980518.23	980972.82	7.39	-190.90 -1.47
eu80	48	49.77	-115	45.62	2993.00	mt	980656.91	980964.73	3.15	-102.08 -1.04
eu116	48	49.52	-115	49.77	2952.00	mt	980664.11	980964.35	6.63	-100.68 -1.03
eu117	48	49.37	-115	51.00	2970.00	mt	980661.79	980964.13	5.69	-101.30 -1.04
eu118	48	49.89	-115	50.94	3256.00	mt	980646.44	980964.91	4.43	-111.05 -1.10
eu119	48	50.26	-115	51.32	3401.00	mt	980638.37	980965.46	5.03	-116.00 -1.14
eu120	48	50.11	-115	49.38	3910.00	mt	980611.42	980965.24	3.48	-133.36 -1.24
eu121	48	50.64	-115	51.59	3524.00	mt	980630.42	980966.03	6.65	-120.19 -1.16
eu122	48	51.59	-115	53.22	3831.00	mt	980614.48	980967.45	7.06	-130.66 -1.23
eu123	48	52.22	-115	56.07	4194.00	mt	980591.44	980968.39	8.92	-143.05 -1.29
eu124	48	53.45	-115	58.36	4682.00	mt	980566.01	980970.23	9.23	-159.69 -1.37
eu101	48	57.19	-115	52.41	4653.00	mt	980580.25	980975.83	5.64	-158.70 -1.37
eu112	48	56.35	-115	54.82	4819.00	mt	980567.50	980974.57	7.03	-164.36 -1.39
eu113	48	55.98	-115	55.65	5067.00	mt	980549.01	980974.02	7.41	-172.82 -1.42
eu114	48	55.74	-115	55.88	5161.00	mt	980543.05	980973.66	8.27	-176.03 -1.43
eu115	48	55.18	-115	56.98	5597.00	mt	980518.23	980972.82	7.39	-190.90 -1.47
eu80	48	49.77	-115	45.62	2993.00	mt	980656.91	980964.73	3.15	-102.08 -1.04
eu116	48	49.52	-115	49.77	2952.00	mt	980664.11	980964.35	6.63	-100.68 -1.03
eu117	48	49.37	-115	51.00	2970.00	mt	980661.79	980964.13	5.69	-101.30 -1.04
eu118	48	49.89	-115	50.94	3256.00	mt	980646.44	980964.91	4.43	-111.05 -1.10
eu119	48	50.26	-115	51.32	3401.00	mt	980638.37	980965.46	5.03	-116.00 -1.14
eu120	48	50.11	-115	49.38	3910.00	mt	980611.42	980965.24	3.48	-133.36 -1.24
eu121	48	50.64	-115	51.59	3524.00	mt	980630.42	980966.03	6.65	-120.19 -1.16
eu122	48	51.59	-115	53.22	3831.00	mt	980614.48	980967.45	7.06	-130.66 -1.23
eu123	48	52.22	-115	56.07	4194.00	mt	980591.44	980968.39	8.92	-143.05 -1.29
eu124	48	53.45	-115	58.36	4682.00	mt	980566.01	980970.23	9.23	-159.69 -1.37

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y ST OBSERVED	C O R R E C T I O N S		SPECIAL AIR	A N O M A L I E S	
	LATITUDE deg	LONGITUDE min deg	ELE (in ft)	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)		FREE AIR	COMPLETE-BOUGUER dl=2.67
eu125	48 53.92	-115 58.89	4885.00	mt 980557.67	980970.94	0.00	45.95	-116.00
eu126	48 54.21	-115 59.44	5278.00	mt 980536.24	980971.37	0.00	61.01	-116.05
eu127	48 55.15	-115 59.95	5432.00	mt 980528.49	980972.78	0.00	66.33	-115.06
eu128	48 55.48	-116 0.54	5799.00	mt 980507.66	980973.27	0.00	79.49	-115.53
eu129	48 55.51	-116 2.70	5593.00	mt 980518.25	980973.31	0.00	70.68	-117.13
eu130	48 55.39	-116 3.12	5293.00	mt 980536.27	980973.13	0.00	60.69	-113.89
eu131	48 56.09	-116 2.93	5168.00	mt 980543.81	980974.18	0.00	55.44	-116.96
eu132	48 58.36	-116 2.76	5373.00	mt 980535.19	980977.58	0.00	62.68	-117.17
eu133	49 0.00	-116 1.89	5412.00	mt 980534.01	980980.02	0.00	62.71	-120.40
eu134	48 59.34	-116 1.53	5259.00	mt 980544.18	980979.04	0.00	59.49	-117.27
eu135	48 57.44	-115 59.80	4886.00	mt 980559.55	980976.20	0.00	42.65	-113.72
eu136	48 58.82	-116 0.97	5092.00	mt 980551.57	980978.26	0.00	51.97	-118.04
eu137	48 57.77	-116 1.07	5676.00	mt 980517.29	980976.69	0.00	74.13	-115.93
eu138	48 57.61	-116 3.08	5322.00	mt 980536.00	980976.45	0.00	59.82	-117.68
eu139	48 51.66	-116 5.53	3365.00	mt 980632.93	980967.55	0.00	-18.27	-123.46
eu140	48 52.39	-116 5.72	3525.00	mt 980624.66	980968.65	0.00	-12.58	-121.46
eu141	48 53.19	-116 6.11	4022.00	mt 980600.19	980969.84	0.00	8.45	-119.99
eu142	48 53.26	-116 7.03	4574.00	mt 980567.28	980969.95	0.00	27.32	-125.05
eu143	48 54.12	-116 5.55	4967.00	mt 980547.23	980971.23	0.00	42.92	-123.70
eu144	48 55.12	-116 4.72	5765.00	mt 980504.15	980972.73	0.00	73.32	-119.85
eu145	48 56.15	-116 4.91	5600.00	mt 980515.78	980974.27	0.00	67.91	-119.30
eu146	48 55.60	-116 5.01	5519.00	mt 980520.28	980973.45	0.00	65.62	-118.62
eu147	48 55.08	-116 5.75	5445.00	mt 980520.19	980972.67	0.00	59.35	-118.24
eu148	48 57.94	-116 4.86	5443.00	mt 980528.16	980976.95	0.00	62.86	-118.90
eu149	48 59.37	-116 6.01	5672.00	mt 980512.97	980979.09	0.00	67.05	-122.40
eu150	48 58.71	-116 5.13	5360.00	mt 980532.45	980978.09	0.00	58.20	-120.94
eu151	48 57.45	-116 4.46	5239.00	mt 980539.97	980976.21	0.00	56.23	-118.52
eu152	48 56.57	-116 4.12	5081.00	mt 980549.42	980974.90	0.00	52.15	-117.15
eu153	48 55.92	-116 3.66	5197.00	mt 980542.16	980973.92	0.00	56.77	-116.55
eu154	48 56.96	-116 3.35	4873.00	mt 980561.86	980975.48	0.00	44.46	-116.86
eu155	48 58.74	-116 4.00	4436.00	mt 980589.58	980978.14	0.00	28.45	-118.84
eu156	48 59.34	-116 3.89	4329.00	mt 980597.04	980979.04	0.00	24.96	-119.14
eu157	48 55.10	-116 3.50	5810.00	mt 980504.41	980972.70	0.00	77.84	-117.65
eu158	48 54.03	-116 3.68	5345.00	mt 980530.61	980971.10	0.00	61.95	-115.87
eu159	48 54.72	-115 50.32	4175.00	mt 980601.10	980972.13	0.00	21.46	-118.52
eu160	48 53.55	-115 50.28	4615.00	mt 980572.41	980970.38	0.00	35.87	-117.92
eu161	48 52.35	-115 54.64	4400.00	mt 980582.01	980968.59	0.00	27.06	-118.39
eu162	48 52.21	-115 53.69	4639.00	mt 980569.27	980968.38	0.00	36.99	-118.49
eu163	48 52.74	-115 54.36	4967.00	mt 980549.97	980969.17	0.00	47.72	-118.63
eu164	48 52.64	-115 53.27	5235.00	mt 980535.17	980969.02	0.00	58.25	-117.17

KalisPELL CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
sta-id	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
eu165	48	53.78	-115	52.77	5570.00	mt 980521.35	980970.73	4.30 -189.98 -1.47	0.00	74.21 -112.94
eu166	48	54.40	-115	52.80	5820.00	mt 980506.18	980971.66	4.53 -198.50 -1.49	0.00	81.60 -113.86
eu167	48	55.03	-115	53.02	5698.00	mt 980514.59	980972.60	4.56 -194.34 -1.48	0.00	77.60 -113.65
eu168	48	48.72	-115	53.12	2857.00	mt 980664.79	980963.16	10.54 -97.44 -1.01	0.00	-29.76 -117.67
eu169	48	47.06	-115	55.76	2999.00	mt 980657.60	980960.67	6.86 -102.29 -1.04	0.00	-21.11 -117.58
eu170	48	50.36	-115	58.42	4294.00	mt 980588.53	980965.61	7.94 -146.46 -1.31	0.00	26.59 -113.23
eu171	48	51.02	-115	59.43	4667.00	mt 980568.89	980966.59	5.88 -159.18 -1.37	0.00	41.02 -113.65
eu172	48	51.76	-116	0.65	4895.00	mt 980558.25	980967.71	4.17 -166.95 -1.40	0.00	50.70 -113.48
eu173	48	50.26	-115	54.42	5244.00	mt 980529.21	980965.46	5.97 -178.86 -1.44	0.00	56.70 -117.63
eu174	48	50.82	-115	54.76	5228.00	mt 980532.37	980966.30	5.71 -178.31 -1.44	0.00	57.51 -116.53
ka-2	48	6.88	-114	36.04	3458.00	mt 980556.20	980900.48	4.62 -117.94 -1.15	0.00	-19.16 -133.63
ka-3	48	6.04	-114	33.80	3276.00	mt 980565.34	980899.21	3.10 -111.73 -1.11	0.00	-25.87 -135.61
ka-4	48	6.30	-114	27.48	3154.00	mt 980572.47	980899.60	1.91 -107.57 -1.08	0.00	-30.60 -137.34
ka-5	48	6.39	-114	25.75	3364.00	mt 980559.02	980899.73	2.05 -114.74 -1.13	0.00	-24.44 -138.25
ka-6	48	6.38	-114	23.89	4000.00	mt 980518.22	980899.72	2.90 -136.43 -1.26	0.00	-5.45 -140.24
ka-7	48	6.10	-114	28.94	3164.00	mt 980570.60	980899.30	3.89 -107.91 -1.08	0.00	-31.22 -136.33
ka-8	48	5.65	-114	32.39	3190.00	mt 980569.04	980898.63	4.81 -108.80 -1.09	0.00	-29.67 -134.75
ka-9	48	6.66	-114	38.35	3937.00	mt 980530.10	980900.44	1.68 -134.28 -1.25	0.00	-0.21 -134.06
ka10	48	7.34	-114	42.12	3965.00	mt 980532.83	980901.16	1.10 -135.23 -1.25	0.00	4.43 -130.96
ka11	48	8.51	-114	42.82	3932.00	mt 980536.19	980902.91	1.59 -134.11 -1.25	0.00	2.93 -130.84
ka12	48	9.78	-114	43.71	4104.00	mt 980528.74	980904.82	1.40 -139.98 -1.28	0.00	9.75 -130.11
ka13	48	10.11	-114	45.58	4111.00	mt 980530.38	980905.31	2.37 -140.21 -1.28	0.00	11.55 -127.58
ka14	48	10.61	-114	48.02	3951.00	mt 980541.77	980906.06	2.02 -134.76 -1.25	0.00	7.15 -126.84
ka15	48	10.72	-114	49.93	3751.00	mt 980554.97	980906.23	1.40 -127.94 -1.21	0.00	1.38 -126.36
ka16	48	10.87	-114	52.38	3596.00	mt 980564.74	980906.46	1.89 -122.65 -1.18	0.00	-3.64 -125.58
ka17	48	11.31	-114	55.00	3504.00	mt 980571.43	980907.12	1.05 -119.51 -1.16	0.00	-6.26 -125.88
ka18	48	11.02	-114	55.75	3502.00	mt 980571.37	980906.69	1.16 -119.44 -1.16	0.00	-6.07 -125.51
ka19	48	10.68	-114	58.85	3488.00	mt 980571.34	980906.17	1.06 -118.97 -1.16	0.00	-6.90 -125.96
ka20	48	5.87	-115	9.11	3413.00	mt 980554.65	980898.95	1.39 -116.41 -1.14	0.00	-23.43 -139.59
ka21	48	6.94	-115	8.09	3440.00	mt 980555.09	980900.56	2.34 -117.33 -1.15	0.00	-22.05 -138.19
ka22	48	7.89	-115	7.23	3432.00	mt 980558.68	980901.98	3.37 -117.06 -1.14	0.00	-20.64 -135.47
ka23	48	9.55	-115	5.68	3450.00	mt 980562.88	980904.48	4.99 -117.67 -1.15	0.00	-17.24 -131.07
ka24	48	10.01	-115	5.08	3473.00	mt 980564.28	980905.16	4.05 -118.45 -1.15	0.00	-14.37 -129.93
ka25	48	10.27	-115	3.55	3492.00	mt 980565.93	980905.56	4.07 -119.10 -1.16	0.00	-11.32 -127.51
ka26	48	10.04	-115	1.59	3487.00	mt 980568.16	980905.21	2.95 -118.93 -1.16	0.00	-9.21 -126.35
ka27	48	10.32	-115	0.05	3486.00	mt 980570.24	980905.63	2.72 -118.90 -1.16	0.00	-7.65 -124.98
ka28	48	10.20	-114	58.86	3499.00	mt 980570.24	980905.45	1.05 -119.34 -1.16	0.00	-6.25 -125.70
ka29	48	9.57	-114	57.37	3549.00	mt 980563.57	980904.51	2.20 -121.05 -1.17	0.00	-7.27 -127.29
ka19	48	10.68	-114	58.85	3488.00	mt 980571.07	980906.17	1.06 -118.97 -1.16	0.00	-7.18 -126.24
ka30	48	10.91	-114	59.08	3493.00	mt 980572.52	980906.52	1.27 -119.14 -1.16	0.00	-5.59 -124.62

BOUGUER GRAVITY DATA

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER di=2.67
ka31	48	12.78	-114	59.79	3500.00	mt	980575.56	980909.32	1.30	-119.37 -1.16
ka32	48	5.28	-115	11.36	3353.00	mt	980554.02	980898.07	3.00	-114.36 -1.13
ka33	48	4.64	-115	13.57	3397.00	mt	980551.02	980897.11	4.31	-115.86 -1.14
ka34	48	4.21	-115	14.92	3310.00	mt	980555.99	980896.47	2.90	-112.89 -1.12
ka35	48	3.34	-115	16.59	3122.00	mt	980563.48	980895.16	5.15	-106.48 -1.07
ka132	48	1.50	-115	20.51	2995.00	mt	980568.06	980892.40	3.25	-102.15 -1.04
ka36	48	1.96	-115	19.15	3008.00	mt	980566.84	980893.09	5.10	-102.59 -1.05
ka37	48	2.61	-115	17.36	3090.00	mt	980563.85	980894.06	4.14	-105.39 -1.07
pv001	48	14.62	-115	17.39	2467.00	mt	980620.45	980912.09	5.93	-84.14 -0.90
pv002	48	14.24	-115	15.04	2610.00	mt	980613.09	980911.51	7.49	-89.02 -0.94
pv003	48	15.67	-115	12.83	2684.00	mt	980611.58	980913.66	9.04	-91.54 -0.96
pv004	48	15.85	-115	9.58	2778.00	mt	980611.61	980913.93	9.31	-94.75 -0.99
pv005	48	16.08	-115	7.36	2875.00	mt	980610.94	980914.27	5.20	-98.06 -1.01
pv006	48	16.53	-115	5.70	2909.00	mt	980612.68	980914.95	3.52	-99.22 -1.02
pv007	48	17.23	-115	3.88	2898.00	mt	980616.30	980916.00	3.12	-98.84 -1.02
pv008	48	18.30	-115	2.03	2923.00	mt	980617.87	980917.60	2.14	-99.70 -1.02
pv009	48	18.33	-114	59.75	3197.00	mt	980601.37	980917.64	2.43	-109.04 -1.09
pv010	48	18.11	-114	58.05	3357.00	mt	980590.23	980917.31	1.60	-114.50 -1.13
pv011	48	18.08	-114	55.19	3438.00	mt	980584.69	980917.27	3.53	-117.26 -1.15
pv012	48	17.45	-114	53.13	3724.00	mt	980566.31	980916.32	4.53	-127.01 -1.21
pv013	48	16.50	-114	51.80	4018.00	mt	980546.58	980914.90	3.53	-137.04 -1.26
pv014	48	20.91	-114	52.31	4801.00	mt	980503.01	980921.51	4.12	-163.75 -1.39
pv015	48	21.99	-114	50.10	4508.00	mt	980517.50	980923.13	4.36	-153.75 -1.34
pv016	48	22.56	-114	48.83	4409.00	mt	980522.58	980923.98	4.56	-150.38 -1.33
pv017	48	22.75	-114	45.90	4178.00	mt	980533.32	980924.27	6.83	-142.50 -1.29
pv018	48	22.90	-114	30.25	4020.00	mt	980542.71	980924.50	2.09	-137.11 -1.26
pv019	48	19.05	-114	56.47	3567.00	mt	980578.04	980918.72	3.18	-121.66 -1.17
pv020	48	19.11	-114	53.93	4416.00	mt	980525.10	980918.81	7.45	-150.62 -1.33
qm003	48	25.93	-115	50.96	2270.00	mt	980640.34	980929.04	3.67	-77.42 -0.84
qm004	48	25.30	-115	50.23	2313.00	mt	980638.47	980928.69	3.93	-78.89 -0.86
qm005	48	25.70	-115	49.48	2331.00	mt	980641.25	980928.69	4.45	-79.50 -0.86
qm006	48	25.49	-115	49.24	2316.00	mt	980641.86	980928.38	4.93	-78.99 -0.86
qm007	48	25.10	-115	49.24	2308.00	mt	980639.75	980927.79	5.42	-78.72 -0.86
qm008	48	24.84	-115	49.24	2298.00	mt	980636.80	980927.40	5.83	-78.38 -0.85
qm009	48	25.35	-115	47.97	2439.00	mt	980629.64	980928.16	10.60	-83.19 -0.89
qm010	48	24.91	-115	48.82	2304.00	mt	980637.87	980927.51	6.96	-78.58 -0.85
qm011	48	24.64	-115	49.20	2298.00	mt	980635.63	980927.10	6.37	-78.38 -0.85
qm012	48	24.73	-115	48.59	2303.00	mt	980638.80	980927.24	8.67	-78.55 -0.85
qm013	48	23.79	-115	49.57	2380.00	mt	980629.88	980925.83	7.69	-81.17 -0.88
qm014	48	23.63	-115	49.57	2373.00	mt	980630.15	980925.59	8.18	-80.94 -0.87

16

Kallispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL AIR	COMPLETE-BOUGUER di=2.67
qm015	48 22.78	-115 49.95			2401.00	mt	980630.10	980924.32	7.55	-81.89 -0.88
qm015	48 22.78	-115 49.95			2401.00	mt	980630.24	980924.32	7.55	-81.89 -0.88
qm016	48 21.70	-115 50.14			2415.00	mt	980628.74	980922.70	7.11	-82.37 -0.89
qm017	48 21.12	-115 50.24			2407.00	mt	980629.88	980921.83	6.40	-82.10 -0.88
qm018	48 20.05	-115 50.61			2450.00	mt	980627.35	980920.23	5.74	-83.56 -0.90
qm019	48 19.63	-115 50.50			2449.00	mt	980625.86	980919.59	8.25	-83.53 -0.90
qm020	48 19.27	-115 50.53			2470.00	mt	980624.26	980919.05	6.52	-84.24 -0.90
qm021	48 19.01	-115 50.57			2482.00	mt	980623.88	980918.66	5.91	-84.65 -0.91
qm022	48 18.63	-115 50.59			2448.00	mt	980624.21	980918.09	6.65	-83.49 -0.90
qm023	48 18.27	-115 50.65			2484.00	mt	980622.06	980917.55	5.73	-84.72 -0.91
qm024	48 17.01	-115 50.44			2450.00	mt	980617.44	980915.66	7.34	-83.56 -0.90
qm025	48 16.16	-115 50.50			2406.00	mt	980620.77	980914.38	7.23	-82.06 -0.88
qm026	48 14.84	-115 50.51			2448.00	mt	980621.26	980912.41	7.05	-83.49 -0.90
qm027	48 13.98	-115 50.21			2345.00	mt	980620.34	980911.12	7.37	-79.98 -0.87
qm028	48 13.37	-115 50.49			2342.00	mt	980620.61	980910.20	6.37	-79.88 -0.87
qm029	48 12.50	-115 51.45			2356.00	mt	980622.28	980908.90	5.86	-80.36 -0.87
qm030	48 12.44	-115 52.14			2430.00	mt	980618.03	980908.80	7.02	-82.88 -0.89
qm031	48 12.09	-115 51.43			2342.00	mt	980622.42	980908.29	5.77	-79.88 -0.87
qm032	48 12.35	-115 51.46			2355.00	mt	980622.37	980908.67	5.73	-80.32 -0.87
qm033	48 11.84	-115 51.41			2339.00	mt	980622.79	980907.91	5.90	-79.78 -0.86
qm034	48 11.24	-115 51.54			2360.00	mt	980621.16	980907.01	6.31	-80.49 -0.87
qm035	48 11.00	-115 51.68			2337.00	mt	980620.73	980906.65	7.01	-79.71 -0.86
qm036	48 10.42	-115 52.21			2338.00	mt	980618.95	980905.78	8.49	-79.74 -0.86
qm037	48 9.53	-115 52.22			2335.00	mt	980619.90	980905.05	8.15	-79.64 -0.86
qm038	48 9.53	-115 52.07			2365.00	mt	980618.34	980904.45	7.70	-80.66 -0.87
qm039	48 8.34	-115 51.90			2324.00	mt	980616.73	980902.66	10.26	-79.26 -0.86
qm040	48 11.83	-115 50.02			2478.00	mt	980613.51	980907.90	4.95	-84.52 -0.90
qm041	48 12.43	-115 50.01			2478.00	mt	980616.03	980908.80	4.94	-84.52 -0.90
qm042	48 11.75	-115 49.11			2430.00	mt	980613.77	980907.77	6.50	-82.88 -0.89
qm043	48 27.39	-115 53.43			1915.00	mt	980672.62	980931.22	5.39	-65.32 -0.73
qm044	48 26.68	-115 53.36			2005.00	mt	980666.51	980930.16	5.68	-68.38 -0.76
qm045	48 26.96	-115 52.70			1892.00	mt	980674.11	980930.58	5.03	-64.53 -0.73
qm046	48 26.47	-115 52.84			2155.00	mt	980659.01	980929.84	3.58	-73.50 -0.81
qm047	48 25.69	-115 52.79			2386.00	mt	980644.44	980928.68	3.09	-81.38 -0.88
qm048	48 25.29	-115 52.86			2404.00	mt	980643.92	980928.08	3.37	-81.99 -0.88
qm049	48 25.29	-115 53.46			2414.00	mt	980642.09	980928.08	3.50	-82.33 -0.89
qm050	48 24.69	-115 53.46			2407.00	mt	980641.56	980927.18	3.31	-82.10 -0.88
qm051	48 23.87	-115 53.46			2391.00	mt	980641.84	980925.95	4.79	-81.55 -0.88
qm052	48 22.48	-115 52.37			2308.00	mt	980641.85	980923.87	5.97	-78.72 -0.86
qm053	48 24.02	-115 52.78			2394.00	mt	980639.78	980926.17	3.10	-81.65 -0.88

22

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	COMPLETE-BOUGUER d1=2.67
gm054	48	26.27	-115	51.71	2106.00	mt	980659.15	3.67	-71.83	-0.79
gm055	48	24.72	-115	51.14	2109.00	mt	980655.56	4.77	-71.93	-0.80
gm056	48	24.21	-115	50.63	2126.00	mt	980649.59	5.21	-72.51	-0.80
gm057	48	23.92	-115	50.65	2113.00	mt	980650.30	5.64	-72.07	-0.80
gm058	48	23.08	-115	51.53	2171.00	mt	980649.11	4.59	-74.05	-0.81
gm059	48	22.89	-115	51.53	2158.00	mt	980648.48	4.74	-73.60	-0.81
gm060	48	22.80	-115	50.34	2361.00	mt	980634.92	6.07	-80.53	-0.87
gm061	48	22.83	-115	50.69	2359.00	mt	980636.31	5.33	-80.46	-0.87
gm062	48	22.89	-115	50.96	2378.00	mt	980635.39	5.32	-81.11	-0.88
gm063	48	22.78	-115	51.17	2359.00	mt	980636.04	5.05	-80.46	-0.87
gm064	48	22.69	-115	51.51	2245.00	mt	980643.08	4.34	-76.57	-0.84
gm065	48	22.43	-115	52.01	2199.00	mt	980646.36	4.92	-75.00	-0.82
gm066	48	22.06	-115	51.97	2234.00	mt	980644.04	4.52	-76.20	-0.83
gm067	48	21.52	-115	51.55	2240.00	mt	980642.31	4.66	-76.40	-0.83
gm068	48	21.17	-115	52.44	2338.00	mt	980638.87	4.43	-79.74	-0.86
gm069	48	21.59	-115	52.26	2304.00	mt	980641.23	4.49	-78.58	-0.85
gm070	48	20.94	-115	51.53	2344.00	mt	980634.23	4.31	-79.95	-0.87
gm071	48	20.50	-115	51.53	2345.00	mt	980633.36	4.61	-79.98	-0.87
gm072	48	20.34	-115	52.22	2388.00	mt	980632.93	6.39	-81.45	-0.88
gm073	48	19.06	-115	52.35	2410.00	mt	980625.71	10.60	-82.20	-0.88
gm074	48	26.38	-115	51.37	1897.00	mt	980670.65	5.06	-64.70	-0.73
gm075	48	26.57	-115	49.24	1958.00	mt	980664.80	6.78	-66.78	-0.75
gm076	48	26.71	-115	48.31	1957.00	mt	980663.79	10.20	-66.75	-0.75
gm077	48	25.73	-115	50.78	2258.00	mt	980640.56	3.43	-77.01	-0.84
gm078	48	25.31	-115	50.57	2260.00	mt	980640.40	3.66	-77.08	-0.84
gm079	48	24.90	-115	50.77	2258.00	mt	980641.31	3.76	-77.01	-0.84
gm080	48	25.90	-115	48.95	2312.00	mt	980643.58	5.21	-78.86	-0.86
gm081	48	26.21	-115	48.49	2315.00	mt	980645.15	6.22	-78.96	-0.86
gm082	48	26.45	-115	48.01	2346.00	mt	980641.12	7.92	-80.02	-0.87
gm083	48	25.71	-115	51.51	2078.00	mt	980656.13	4.06	-70.87	-0.79
gm084	48	28.77	-115	54.18	1997.00	mt	980669.95	5.94	-68.11	-0.76
gm085	48	26.46	-115	55.65	2538.00	mt	980636.89	5.59	-86.56	-0.92
gm086	48	26.30	-115	56.68	2777.00	mt	980625.85	4.72	-94.72	-0.99
gm087	48	26.48	-115	57.56	2870.00	mt	980621.72	4.83	-97.89	-1.01
gm088	48	26.73	-115	59.02	2893.00	mt	980622.95	6.42	-98.67	-1.02
gm089	48	26.32	-115	54.92	2505.00	mt	980639.29	4.44	-85.44	-0.91
gm090	48	26.58	-115	54.16	2310.00	mt	980648.91	4.32	-78.79	-0.86
gm091	48	25.04	-115	56.53	3060.00	mt	980609.28	6.31	-104.37	-1.06
gm092	48	24.60	-115	55.66	2813.00	mt	980621.54	6.19	-95.94	-1.00
gm093	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm094	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm095	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm096	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm097	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm098	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm099	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm100	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm101	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm102	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm103	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm104	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm105	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm106	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm107	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm108	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm109	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm110	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm111	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm112	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm113	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm114	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm115	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm116	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm117	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm118	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm119	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm120	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm121	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm122	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm123	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm124	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm125	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm126	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm127	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm128	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm129	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm130	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm131	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm132	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm133	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm134	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm135	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm136	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm137	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm138	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm139	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm140	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm141	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm142	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm143	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm144	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm145	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm146	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm147	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm148	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm149	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm150	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm151	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm152	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm153	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm154	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm155	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm156	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm157	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm158	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm159	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm160	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm161	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm162	48	24.98	-115	54.51	2600.00	mt	980633.05	3.75	-88.68	-0.94
gm163	48	24.98	-115</							

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN ROUGHER CURV (d1=2.67)	SPECIAL AIR	COMPLETE-BOUGUER d1=2.67
gm094	48 21.10	-115 52.65			2350.00	mt 980638.23	980921.80	4.76	-80.15	-0.87
gm095	48 21.08	-115 52.82			2398.00	mt 980635.50	980921.77	4.54	-81.79	-0.88
gm096	48 21.13	-115 53.38			2580.00	mt 980627.40	980921.84	4.25	-88.00	-0.93
gm097	48 20.66	-115 54.13			2513.00	mt 980631.10	980921.13	5.35	-85.71	-0.91
gm098	48 20.06	-115 54.92			2568.00	mt 980626.16	980920.23	8.39	-87.59	-0.93
gm099	48 20.06	-115 55.41			2651.00	mt 980621.75	980920.23	7.42	-90.42	-0.95
gm100	48 19.75	-115 51.93			2270.00	mt 980637.28	980919.77	8.06	-77.42	-0.84
gm101	48 20.05	-115 55.97			2682.00	mt 980620.22	980920.23	7.42	-91.48	-0.96
gm102	48 20.10	-115 58.81			2962.00	mt 980603.68	980920.30	14.11	-101.03	-1.03
gm103	48 20.20	-115 57.58			2841.00	mt 980610.99	980920.45	10.76	-96.90	-1.00
gm104	48 20.15	-115 56.89			2775.00	mt 980614.72	980920.37	9.36	-94.65	-0.99
gm105	48 21.75	-115 55.62			2938.00	mt 980608.87	980922.77	5.18	-100.21	-1.03
gm106	48 22.26	-115 56.82			3346.00	mt 980587.41	980923.53	4.83	-114.12	-1.13
gm107	48 21.87	-115 57.51			3376.00	mt 980583.16	980922.95	8.95	-115.15	-1.13
gm108	48 21.99	-115 57.80			3503.00	mt 980577.40	980923.13	5.58	-119.48	-1.16
gm109	48 21.63	-115 59.15			4614.00	mt 980527.79	980922.59	6.40	-157.37	-1.36
gm110	48 22.00	-115 52.87			2478.00	mt 980633.89	980923.15	4.27	-84.52	-0.90
gm111	48 28.98	-115 53.60			2038.00	mt 980668.32	980933.60	5.13	-69.51	-0.77
gm112	48 29.29	-115 53.62			2164.00	mt 980661.59	980934.07	5.08	-73.81	-0.81
gm113	48 27.79	-115 52.85			1917.00	mt 980672.40	980931.82	6.06	-65.38	-0.73
gm114	48 26.97	-115 49.51			2105.00	mt 980656.64	980930.59	6.13	-71.80	-0.79
gm115	48 27.87	-115 52.61			2324.00	mt 980650.29	980931.94	4.43	-79.26	-0.86
gm116	48 27.38	-115 52.25			2441.00	mt 980641.56	980931.20	5.92	-83.26	-0.89
gm117	48 27.72	-115 51.21			2518.00	mt 980639.63	980931.72	3.26	-85.88	-0.92
gm118	48 28.23	-115 51.23			2544.00	mt 980637.26	980932.48	3.76	-86.77	-0.92
gm119	48 28.83	-115 50.89			2506.00	mt 980641.28	980933.38	4.54	-85.47	-0.91
gm120	48 29.47	-115 50.91			2544.00	mt 980639.71	980934.34	5.26	-86.77	-0.92
gm121	48 29.76	-115 51.22			2632.00	mt 980635.54	980934.77	4.49	-89.77	-0.95
gm122	48 29.28	-115 50.06			2677.00	mt 980629.75	980934.05	7.84	-91.30	-0.96
gm123	48 28.07	-115 50.35			2515.00	mt 980634.24	980932.23	4.50	-85.78	-0.91
gm124	48 16.27	-115 57.34			3370.00	mt 980570.99	980914.55	13.49	-114.94	-1.13
gm125	48 16.55	-115 56.02			3519.00	mt 980566.61	980914.97	4.35	-120.02	-1.16
gm126	48 16.41	-115 56.65			4007.00	mt 980536.89	980914.77	8.38	-136.67	-1.26
gm127	48 16.63	-115 57.39			4072.00	mt 980534.06	980915.09	6.25	-138.88	-1.27
gm128	48 16.73	-115 57.96			4196.00	mt 980524.63	980915.24	8.53	-143.11	-1.29
gm129	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm130	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm131	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm132	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm133	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm134	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm135	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm136	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm137	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm138	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm139	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm140	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm141	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm142	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm143	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm144	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm145	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm146	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm147	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm148	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm149	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm150	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm151	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm152	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm153	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm154	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm155	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm156	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm157	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm158	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm159	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm160	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm161	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm162	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm163	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm164	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm165	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm166	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm167	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm168	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm169	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm170	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm171	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm172	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm173	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm174	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm175	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm176	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm177	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm178	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm179	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm180	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm181	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm182	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm183	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm184	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm185	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm186	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm187	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm188	48 16.77	-115 54.85			2896.00	mt 980600.36	980915.30	6.29	-98.77	-1.02
gm189	48 16.42	-115 58.60			4383.00	mt 980515.79	980914.78	9.38	-149.49	-1.33
gm190	48 16.14	-115 57.91			4632.00	mt 980499.52	980914.36	6.25	-157.98	-1.36
gm191	48 15.89	-115 57.92			4573.00	mt 980501.51	980913.98	6.44	-155.97	-1.35
gm192	48 16.39	-115 55.13			3013.00	mt 980593.39	980914.73	5.81	-102.76	-1.05
gm193	48 16.77	-115 54.85			2896.00	mt 980600				

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y ST OBSERVED	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER dl=2.67			
	LATITUDE deg	LONGITUDE min	deg	min									
qm134	48	17.34	-115	53.64	2687.00	mt 980613.28	980916.16	5.82	-91.65	-0.96	0.00	-50.24	-137.03
qm135	48	17.61	-115	53.30	2746.00	mt 980609.44	980916.56	5.68	-93.66	-0.98	0.00	-48.95	-137.90
qm136	48	17.73	-115	53.86	2940.00	mt 980598.54	980916.74	5.37	-100.27	-1.03	0.00	-41.79	-137.72
qm137	48	17.83	-115	52.83	2717.00	mt 980610.57	980916.90	6.94	-92.67	-0.97	0.00	-50.87	-137.57
qm138	48	17.88	-115	52.40	2619.00	mt 980617.74	980916.97	5.06	-89.33	-0.94	0.00	-52.98	-138.19
qm139	48	18.16	-115	52.26	2500.00	mt 980623.15	980917.39	6.13	-85.27	-0.91	0.00	-59.18	-139.23
qm140	48	24.84	-115	52.77	2411.00	mt 980641.64	980927.40	3.93	-82.23	-0.89	0.00	-59.07	-138.26
qm141	48	25.02	-115	51.53	2095.00	mt 980655.96	980927.67	4.69	-71.45	-0.79	0.00	-74.73	-142.28
egm142	48	19.78	-115	48.88	3100.00	mt 980585.02	980919.82	6.54	-105.73	-1.07	0.00	-24.54	-143.67
qm143	48	19.31	-115	48.31	3614.00	mt 980553.62	980919.11	6.80	-123.26	-1.18	0.00	-25.73	-143.37
qm144	48	19.26	-115	49.42	2725.00	mt 980603.19	980919.04	11.52	-92.94	-0.97	0.00	-59.64	-142.04
qm145	48	16.06	-115	51.24	2334.00	mt 980624.29	980914.24	6.40	-79.61	-0.86	0.00	-70.50	-144.57
qm146	48	15.28	-115	50.77	2331.00	mt 980622.15	980913.07	7.07	-79.50	-0.86	0.00	-71.75	-145.05
qm147	48	15.38	-115	51.28	2338.00	mt 980622.81	980913.22	6.96	-79.74	-0.86	0.00	-70.58	-144.23
qm148	48	11.65	-115	50.81	2338.00	mt 980621.37	980907.63	5.55	-79.74	-0.86	0.00	-66.43	-141.49
qm149	48	11.19	-115	47.93	2617.00	mt 980598.62	980906.94	8.40	-89.26	-0.94	0.00	-62.26	-144.07
qm150	48	11.68	-115	47.91	2863.00	mt 980587.71	980907.67	6.96	-97.65	-1.01	0.00	-50.78	-142.48
qm151	48	10.35	-115	47.19	2883.00	mt 980581.49	980905.67	8.20	-98.33	-1.01	0.00	-53.12	-144.27
qm152	48	12.63	-115	51.41	2350.00	mt 980622.94	980909.09	6.09	-80.15	-0.87	0.00	-65.20	-140.13
qm153	48	13.27	-115	51.48	2387.00	mt 980618.53	980910.05	10.13	-81.41	-0.88	0.00	-67.09	-139.25
qm154	48	16.99	-115	50.99	2420.00	mt 980618.68	980915.63	5.63	-82.54	-0.89	0.00	-69.42	-147.22
qm155	48	18.78	-115	51.30	2384.00	mt 980627.90	980918.32	5.22	-81.31	-0.88	0.00	-66.27	-143.24
qm156	48	18.38	-115	51.99	2315.00	mt 980632.48	980917.71	6.79	-78.96	-0.86	0.00	-67.57	-140.60
qm157	48	19.98	-115	51.59	2257.00	mt 980638.26	980920.12	6.64	-76.98	-0.84	0.00	-69.65	-140.83
qm158	48	18.08	-115	51.53	2316.00	mt 980632.31	980917.27	5.80	-78.99	-0.86	0.00	-67.20	-141.25
qm159	48	17.55	-115	51.42	2330.00	mt 980629.58	980916.48	5.63	-79.47	-0.86	0.00	-67.82	-142.52
qm160	48	17.73	-115	50.43	2422.00	mt 980621.51	980916.74	7.48	-82.61	-0.89	0.00	-67.51	-143.53
qm161	48	17.06	-115	51.82	2325.00	mt 980628.56	980915.73	6.07	-79.30	-0.86	0.00	-68.57	-142.66
qm162	48	17.66	-115	51.84	2353.00	mt 980630.29	980916.63	5.55	-80.25	-0.87	0.00	-65.11	-140.69
q1	48	49.39	-114	19.36	3617.00	mt 980568.20	980964.16	1.68	-123.37	-1.18	0.00	-55.91	-178.78
q2	48	49.47	-114	19.82	3628.00	mt 980568.11	980964.28	1.59	-123.74	-1.19	0.00	-55.09	-178.43
q3	48	50.20	-114	19.75	3725.00	mt 980562.12	980965.38	1.38	-127.05	-1.21	0.00	-53.06	-179.93
q4	48	50.20	-114	20.13	3669.00	mt 980565.31	980965.38	1.70	-125.14	-1.20	0.00	-55.13	-179.76
q5	48	50.33	-114	20.64	3640.00	mt 980567.92	980965.56	2.64	-124.15	-1.19	0.00	-55.44	-178.14
q6	48	50.93	-114	20.67	3731.00	mt 980561.31	980966.46	1.58	-127.25	-1.21	0.00	-54.39	-181.27
q7	48	51.41	-114	20.79	3670.00	mt 980564.62	980967.18	2.28	-125.17	-1.20	0.00	-57.54	-181.63
q8	48	51.79	-114	21.36	3690.00	mt 980562.04	980967.75	2.21	-125.86	-1.20	0.00	-58.81	-183.65
q9	48	48.17	-114	18.97	3587.00	mt 980568.91	980962.33	1.66	-122.34	-1.18	0.00	-56.19	-178.05
q10	48	48.60	-114	19.01	3610.00	mt 980568.35	980962.96	1.55	-123.13	-1.18	0.00	-55.24	-178.00
q11	48	49.06	-114	19.36	3612.00	mt 980568.48	980963.67	1.62	-123.19	-1.18	0.00	-55.61	-178.36

25

KalisPELL CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min deg	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER d1=2.67
q12	48 52.44	-114 21.54	3772.00	mt 980559.48	980968.72	1.51 -128.65	0.00	-54.62
q13	48 53.06	-114 21.77	3800.00	mt 980556.69	980969.65	1.51 -129.61	0.00	-55.72
q14	48 54.05	-114 22.29	3820.00	mt 980558.08	980971.13	1.65 -130.29	0.00	-53.93
q15	48 55.01	-114 22.06	3844.00	mt 980559.64	980972.56	2.39 -131.11	0.00	-51.55
q16	48 55.89	-114 21.73	4053.00	mt 980553.08	980973.88	1.88 -138.24	0.00	-39.78
q17	48 56.14	-114 20.65	4010.00	mt 980557.97	980974.26	4.85 -136.77	0.00	-39.30
c1	48 49.39	-114 19.36	3617.00	mt 980568.10	980964.16	1.68 -123.37	0.00	-56.01
q18	48 47.75	-114 18.16	3573.00	mt 980568.15	980961.70	1.65 -121.86	0.00	-57.65
q19	48 47.61	-114 17.52	3566.00	mt 980567.13	980961.50	1.67 -121.63	0.00	-59.11
q20	48 47.30	-114 17.05	3556.00	mt 980566.60	980961.03	1.71 -121.28	0.00	-60.12
q21	48 47.49	-114 16.52	3630.00	mt 980560.90	980961.32	1.55 -123.81	0.00	-59.15
q22	48 46.98	-114 16.78	3540.00	mt 980566.28	980960.55	1.81 -120.74	0.00	-61.46
q23	48 46.15	-114 16.34	3701.00	mt 980557.88	980959.31	1.74 -126.23	0.00	-53.49
q24	48 45.90	-114 16.09	3671.00	mt 980560.78	980958.94	1.43 -125.21	0.00	-53.03
q25	48 44.87	-114 14.91	3592.00	mt 980563.95	980957.39	1.51 -122.51	0.00	-55.75
q26	48 43.74	-114 13.95	3492.00	mt 980569.49	980955.70	2.04 -119.10	0.00	-57.92
q27	48 43.36	-114 13.51	3514.00	mt 980567.87	980955.14	1.88 -119.85	0.00	-56.90
q28	48 44.36	-114 14.41	3527.00	mt 980567.10	980956.63	1.94 -120.30	0.00	-57.94
q29	48 45.46	-114 15.31	3648.00	mt 980560.31	980958.28	1.45 -124.42	0.00	-55.01
q18	48 47.75	-114 18.16	3573.00	mt 980567.93	980961.70	1.65 -121.86	0.00	-57.87
q27	48 43.36	-114 13.51	3514.00	mt 980567.99	980955.14	1.88 -119.85	0.00	-56.78
q30	48 41.92	-114 11.51	3473.00	mt 980569.69	980952.98	1.52 -118.45	0.00	-56.78
q31	48 41.41	-114 10.27	3529.00	mt 980563.21	980952.22	1.44 -120.36	0.00	-57.23
q32	48 41.01	-114 9.52	3589.00	mt 980559.32	980951.62	1.31 -122.41	0.00	-54.88
q33	48 39.92	-114 6.74	3585.00	mt 980557.67	980949.98	1.51 -122.27	0.00	-55.28
q34	48 37.46	-114 1.63	3761.00	mt 980552.37	980946.30	1.37 -128.28	0.00	-40.36
q34	48 37.46	-114 1.63	3761.00	mt 980552.49	980946.30	1.37 -128.28	0.00	-40.23
q35	48 39.08	-114 1.48	3646.00	mt 980557.74	980948.73	11.24 -124.35	0.00	-48.22
q36	48 42.99	-114 13.19	3480.00	mt 980570.68	980954.59	2.08 -118.69	0.00	-56.73
q37	48 42.98	-114 12.24	3477.00	mt 980568.42	980954.56	2.43 -118.59	0.00	-59.26
q38	48 39.85	-114 7.67	3650.00	mt 980555.17	980949.88	1.26 -124.49	0.00	-51.56
q39	48 39.77	-114 7.28	3587.00	mt 980560.61	980949.76	1.24 -122.34	0.00	-51.93
q40	48 39.79	-114 6.19	3950.00	mt 980535.28	980949.80	1.41 -134.72	0.00	-43.17
q41	48 39.63	-114 5.48	3957.00	mt 980535.82	980949.55	1.15 -134.96	0.00	-41.73
q42	48 39.44	-114 4.94	3763.00	mt 980548.46	980949.27	1.15 -128.35	0.00	-47.04
q43	48 38.75	-114 4.89	3580.00	mt 980560.90	980948.23	1.44 -122.10	0.00	-50.77
q44	48 38.39	-114 5.67	3515.00	mt 980566.38	980947.70	2.00 -119.89	0.00	-50.85
q35	48 39.08	-114 4.18	3646.00	mt 980557.45	980948.73	1.68 -124.35	0.00	-48.50
q45	48 38.79	-114 3.97	3846.00	mt 980546.04	980948.30	1.25 -131.18	0.00	-40.69
q46	48 38.21	-114 3.25	3932.00	mt 980541.52	980947.42	1.41 -134.11	0.00	-36.25
q46	48 38.21	-114 3.25	3932.00	mt 980541.52	980947.42	1.41 -134.11	0.00	-36.25

92

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S LATITUDE LONGITUDE				G R A V I T Y ST OBSERVED THEORETICAL		C O R R E C T I O N S TERRAIN BOUGUER CURV		A N O M A L I E S SPECIAL FREE COMPLETE-BOUGUER					
	deg	min	deg	min	ELE (in ft)		(d1=2.67)		AIR	di=2.67				
q47	48	37.98	-114	2.34	3951.00	mt	980540.43	980947.09	1.38	-134.76	-1.25	0.00	-35.22	-169.84
q48	48	37.20	-114	1.91	3776.00	mt	980549.36	980945.91	1.26	-128.79	-1.22	0.00	-41.57	-170.31
q49	48	36.55	-114	1.61	3886.00	mt	980543.22	980944.95	1.30	-132.54	-1.24	0.00	-36.39	-168.87
q50	48	36.03	-114	1.61	3889.00	mt	980545.43	980944.16	1.24	-132.64	-1.24	0.00	-33.12	-165.76
q51	48	35.09	-114	1.13	3915.00	mt	980546.12	980942.75	1.39	-133.53	-1.24	0.00	-28.58	-161.97
q34	48	37.46	-114	1.63	3761.00	mt	980552.24	980946.30	1.37	-128.28	-1.21	0.00	-40.48	-168.60
q52	48	34.16	-113	59.91	3485.00	mt	980569.63	980941.36	3.39	-118.86	-1.16	0.00	-44.09	-160.72
q53	48	33.84	-113	59.49	3402.00	mt	980574.58	980940.88	3.20	-116.03	-1.14	0.00	-46.47	-160.44
q54	48	33.34	-113	59.37	3313.00	mt	980580.57	980940.14	2.61	-113.00	-1.12	0.00	-48.09	-159.60
q55	48	33.17	-113	59.27	3265.00	mt	980582.77	980939.88	2.74	-111.36	-1.11	0.00	-50.14	-159.87
q56	48	32.53	-113	59.59	3200.00	mt	980582.92	980938.92	3.31	-109.14	-1.09	0.00	-55.15	-162.07
q57	48	31.64	-113	59.84	3169.00	mt	980578.60	980937.59	3.49	-108.09	-1.08	0.00	-61.05	-166.73
q58	48	31.45	-113	59.60	3173.00	mt	980577.18	980937.30	3.41	-108.22	-1.09	0.00	-61.81	-167.71
q59	48	32.78	-113	59.09	3205.00	mt	980583.40	980939.30	2.80	-109.31	-1.09	0.00	-54.58	-162.18
q34	48	37.46	-114	1.63	3761.00	mt	980552.25	980946.30	1.37	-128.28	-1.21	0.00	-40.47	-168.59
q58	48	31.45	-113	59.60	3173.00	mt	980577.40	980937.30	3.41	-108.22	-1.09	0.00	-61.59	-167.49
q60	48	31.30	-113	59.27	3177.00	mt	980576.60	980937.09	3.65	-108.36	-1.09	0.00	-61.79	-167.58
q61	48	30.64	-113	59.13	3188.00	mt	980579.69	980936.09	3.65	-108.73	-1.09	0.00	-56.68	-162.85
q62	48	30.55	-113	59.58	3175.00	mt	980577.54	980935.96	3.12	-108.29	-1.09	0.00	-59.91	-166.17
q63	48	30.49	-114	0.29	3151.00	mt	980583.14	980935.87	3.46	-107.47	-1.08	0.00	-56.48	-161.57
q64	48	31.28	-113	58.92	3182.00	mt	980576.21	980937.05	4.91	-108.53	-1.09	0.00	-61.68	-166.38
q65	48	31.44	-113	58.70	3190.00	mt	980575.68	980937.29	6.30	-108.80	-1.09	0.00	-61.70	-165.29
q66	48	31.89	-113	59.91	3220.00	mt	980575.38	980937.96	3.23	-109.82	-1.10	0.00	-59.85	-167.54
q58	48	31.45	-113	59.60	3173.00	mt	980577.33	980937.30	3.41	-108.22	-1.09	0.00	-61.66	-167.56
q67	48	33.94	-114	0.77	3815.00	mt	980546.51	980941.04	1.62	-130.12	-1.22	0.00	-35.87	-165.59
q68	48	35.63	-114	2.13	3860.00	mt	980550.56	980943.56	1.49	-131.65	-1.23	0.00	-30.11	-161.51
q69	48	37.31	-114	4.34	3710.00	mt	980555.63	980946.08	1.80	-126.54	-1.20	0.00	-41.66	-167.60
q70	48	37.73	-114	7.17	3430.00	mt	980576.68	980946.70	3.83	-116.99	-1.14	0.00	-47.56	-161.86
q71	48	36.15	-114	9.87	3333.00	mt	980582.43	980944.34	5.53	-113.68	-1.12	0.00	-48.56	-157.83
q72	48	36.37	-114	10.32	3385.00	mt	980580.17	980944.68	5.02	-115.45	-1.13	0.00	-46.26	-157.83
q73	48	36.24	-114	10.79	3504.00	mt	980571.89	980944.48	4.18	-119.51	-1.16	0.00	-43.16	-159.65
q74	48	36.16	-114	12.73	3660.00	mt	980563.12	980944.36	4.37	-124.83	-1.19	0.00	-37.15	-158.81
q75	48	35.87	-114	13.43	3545.00	mt	980569.52	980943.92	6.62	-120.91	-1.17	0.00	-41.12	-156.58
q76	48	36.74	-114	9.74	3388.00	mt	980577.44	980945.23	7.87	-115.55	-1.14	0.00	-49.27	-158.09
q77	48	37.23	-114	8.74	3410.00	mt	980577.06	980945.96	6.18	-116.31	-1.14	0.00	-48.31	-159.57
q78	48	37.26	-114	8.21	3364.00	mt	980579.37	980946.01	6.72	-114.74	-1.13	0.00	-50.37	-159.52
q58	48	31.45	-113	59.60	3173.00	mt	980577.43	980937.30	3.41	-108.22	-1.09	0.00	-61.56	-167.46
q77	48	37.23	-114	8.74	3410.00	mt	980577.14	980945.96	6.18	-116.31	-1.14	0.00	-48.23	-159.49
q79	48	35.68	-114	10.05	3396.00	mt	980578.58	980943.64	5.29	-115.83	-1.14	0.00	-45.79	-157.46
q90	48	35.35	-114	9.78	3388.00	mt	980577.39	980943.15	5.32	-115.55	-1.14	0.00	-47.23	-158.60

27

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S				
	LATITUDE deg min	LONGITUDE deg min	ELE (in ft)	ST OBSERVED THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER dl=2.67			
q81	48 34.37	-114 8.52	3288.00	mt 980580.18	980941.67	8.27	-112.14	-1.11	0.00	-52.37	-157.36
q82	48 33.67	-114 7.83	3400.00	mt 980573.40	980940.63	6.50	-115.96	-1.14	0.00	-47.58	-158.18
q83	48 33.15	-114 7.66	3411.00	mt 980572.75	980939.85	5.80	-116.34	-1.14	0.00	-46.42	-158.09
q84	48 31.41	-114 7.65	3374.00	mt 980574.68	980937.24	3.86	-115.08	-1.13	0.00	-45.35	-157.70
q85	48 31.06	-114 8.11	3347.00	mt 980575.98	980936.73	3.42	-114.16	-1.13	0.00	-46.06	-157.93
q86	48 31.70	-114 7.26	3396.00	mt 980573.18	980937.68	4.15	-115.83	-1.14	0.00	-45.22	-158.04
q77	48 37.23	-114 8.74	3410.00	mt 980577.06	980945.96	6.18	-116.31	-1.14	0.00	-48.31	-159.57
q87	48 18.58	-114 15.03	2966.00	mt 980570.60	980918.02	0.37	-101.16	-1.03	0.00	-68.56	-170.38
q86	48 31.70	-114 7.26	3396.00	mt 980573.27	980937.68	4.15	-115.83	-1.14	0.00	-45.13	-157.94
q87	48 18.58	-114 15.03	2966.00	mt 980570.67	980918.02	0.37	-101.16	-1.03	0.00	-68.48	-170.31
q86	48 31.70	-114 7.26	3396.00	mt 980573.33	980937.68	4.15	-115.83	-1.14	0.00	-45.07	-157.89
q77	48 37.23	-114 8.74	3410.00	mt 980577.08	980945.96	6.18	-116.31	-1.14	0.00	-48.29	-159.56
q88	48 49.77	-114 11.93	4030.00	mt 980546.99	980964.73	3.08	-137.45	-1.27	0.00	-38.87	-174.51
q89	48 50.62	-114 10.62	4030.00	mt 980547.91	980966.00	5.04	-137.45	-1.27	0.00	-39.23	-172.90
q90	48 51.30	-114 10.11	4032.00	mt 980549.85	980967.02	6.40	-137.52	-1.27	0.00	-38.12	-170.50
q91	48 51.84	-114 9.74	4030.00	mt 980556.03	980967.83	7.78	-137.45	-1.27	0.00	-32.93	-163.87
q92	48 52.75	-114 8.08	4030.00	mt 980554.37	980969.19	14.58	-137.45	-1.27	0.00	-35.96	-160.09
q93	48 53.55	-114 7.48	4030.00	mt 980552.72	980970.38	17.61	-137.45	-1.27	0.00	-38.80	-159.91
q94	48 54.35	-114 7.00	4030.00	mt 980555.68	980971.58	18.06	-137.45	-1.27	0.00	-37.04	-157.70
q95	48 54.10	-114 7.47	4030.00	mt 980552.78	980971.21	21.20	-137.45	-1.27	0.00	-39.56	-157.08
q96	48 53.00	-114 8.37	4030.00	mt 980554.51	980969.55	15.50	-137.45	-1.27	0.00	-36.19	-159.41
q97	48 52.17	-114 9.84	4030.00	mt 980556.34	980968.32	10.32	-137.45	-1.27	0.00	-33.11	-161.51
q98	48 50.78	-114 11.09	4031.00	mt 980549.90	980966.23	5.02	-137.49	-1.27	0.00	-37.38	-171.12
q99	48 50.23	-114 11.65	4030.00	mt 980548.14	980965.42	4.17	-137.45	-1.27	0.00	-38.41	-172.96
q88	48 49.77	-114 11.93	4030.00	mt 980547.12	980964.73	3.08	-137.45	-1.27	0.00	-38.75	-174.39
q100	48 56.15	-114 20.69	4016.00	mt 980557.51	980974.27	4.28	-136.97	-1.26	0.00	-39.22	-173.17
q101	48 56.66	-114 20.49	4010.00	mt 980559.63	980975.03	4.39	-136.77	-1.26	0.00	-38.42	-172.06
q102	48 57.46	-114 19.46	4009.00	mt 980560.12	980976.23	5.64	-136.74	-1.26	0.00	-39.23	-171.58
q103	48 58.29	-114 17.59	4012.00	mt 980561.17	980977.47	9.62	-136.84	-1.26	0.00	-39.13	-167.61
q104	48 58.21	-114 16.22	4009.00	mt 980563.13	980977.35	14.30	-136.74	-1.26	0.00	-37.33	-161.03
q105	48 58.12	-114 14.77	4009.00	mt 980558.08	980977.22	31.78	-136.74	-1.26	0.00	-42.25	-148.47
q106	48 58.11	-114 16.80	4009.00	mt 980562.35	980977.20	12.25	-136.74	-1.26	0.00	-37.96	-163.71
q107	48 57.46	-114 18.26	4012.00	mt 980558.95	980976.23	11.12	-136.84	-1.26	0.00	-40.11	-167.09
q108	48 56.74	-114 19.47	4009.00	mt 980557.62	980975.16	9.81	-136.74	-1.26	0.00	-40.65	-168.84
q100	48 56.15	-114 20.69	4016.00	mt 980557.75	980974.27	4.28	-136.97	-1.26	0.00	-38.97	-172.93
q109	48 45.88	-114 17.49	3532.00	mt 980571.02	980958.91	2.25	-120.47	-1.17	0.00	-55.83	-175.21
q110	48 45.02	-114 17.34	3543.00	mt 980570.80	980957.62	2.45	-120.84	-1.17	0.00	-53.73	-173.29
q111	48 43.47	-114 16.22	3524.00	mt 980572.89	980955.30	3.04	-120.19	-1.16	0.00	-51.10	-169.42
q112	48 42.88	-114 15.33	3472.00	mt 980575.99	980954.42	3.61	-118.42	-1.15	0.00	-52.01	-167.97
q113	48 41.91	-114 13.06	3437.00	mt 980573.47	980952.97	2.75	-117.23	-1.15	0.00	-56.37	-171.99

28

KalisPELL CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y ST OBSERVED (1n ft)	C O R R E C T I O N S TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	A N O M A L I E S		COMPLETE=BOUGUER di=2.67						
	LATITUDE deg	LONGITUDE min				FREE AIR	COMPLETE							
q114	48	41.31	-114	11.92	3433.00	mt	980571.13	980952.07	1.88	-117.09	-1.15	0.00	-58.18	-174.54
q109	48	45.88	-114	17.49	3532.00	mt	980570.94	980958.91	2.25	-120.47	-1.17	0.00	-55.91	-175.30
q109	48	45.88	-114	17.49	3532.00	mt	980570.29	980958.91	2.25	-120.47	-1.17	0.00	-56.56	-175.95
q115	48	47.80	-114	20.12	3874.00	mt	980555.36	980961.78	1.80	-132.13	-1.24	0.00	-42.22	-173.79
q116	48	48.65	-114	21.07	3843.00	mt	980564.02	980963.05	1.55	-131.07	-1.23	0.00	-37.74	-168.50
q117	48	49.08	-114	21.54	3896.00	mt	980555.99	980963.70	1.57	-132.88	-1.24	0.00	-41.44	-173.99
q118	48	49.79	-114	21.54	3888.00	mt	980555.55	980964.76	1.46	-132.61	-1.24	0.00	-43.70	-176.08
q119	48	50.36	-114	21.28	3722.00	mt	980564.47	980965.61	1.73	-126.95	-1.21	0.00	-51.23	-177.65
q120	48	51.09	-114	21.72	3697.00	mt	980565.10	980966.70	1.98	-126.09	-1.20	0.00	-54.03	-179.35
q121	48	52.22	-114	22.24	3744.00	mt	980559.82	980968.39	1.60	-127.70	-1.21	0.00	-56.59	-183.90
q122	48	52.98	-114	22.58	3741.00	mt	980561.33	980969.53	1.75	-127.59	-1.21	0.00	-56.50	-183.56
q109	48	45.88	-114	17.49	3532.00	mt	980571.26	980958.91	2.25	-120.47	-1.17	0.00	-55.59	-174.98
q123	48	53.77	-114	22.96	3766.00	mt	980562.36	980970.71	1.72	-128.45	-1.21	0.00	-54.30	-182.24
q124	48	54.53	-114	23.57	3868.00	mt	980559.81	980971.84	1.48	-131.93	-1.23	0.00	-48.40	-180.08
q125	48	54.92	-114	23.96	3908.00	mt	980558.68	980972.43	1.43	-133.29	-1.24	0.00	-46.36	-179.46
q126	48	54.21	-114	24.87	4093.00	mt	980549.96	980971.37	1.31	-139.60	-1.28	0.00	-36.63	-176.19
q127	48	55.15	-114	24.38	3898.00	mt	980560.83	980972.78	1.77	-132.95	-1.24	0.00	-45.49	-177.91
q128	48	55.44	-114	25.33	3991.00	mt	980557.91	980973.21	1.34	-136.12	-1.26	0.00	-40.10	-176.14
q129	48	55.86	-114	24.83	3942.00	mt	980563.72	980973.84	1.53	-134.45	-1.25	0.00	-39.53	-173.70
q130	48	56.41	-114	25.18	3984.00	mt	980566.62	980974.66	1.32	-135.88	-1.26	0.00	-33.50	-169.32
q131	48	55.58	-114	25.57	4009.00	mt	980567.41	980973.41	1.34	-136.74	-1.26	0.00	-29.12	-165.77
q132	48	55.62	-114	26.40	4041.00	mt	980556.01	980973.48	1.58	-137.83	-1.27	0.00	-37.57	-175.09
q133	48	55.89	-114	27.07	4084.00	mt	980555.90	980973.88	1.93	-139.29	-1.27	0.00	-34.05	-172.69
q134	48	56.24	-114	27.84	4115.00	mt	980555.72	980974.40	2.35	-140.35	-1.28	0.00	-31.84	-171.12
q135	48	56.45	-114	29.13	4187.00	mt	980553.57	980974.72	3.03	-142.81	-1.29	0.00	-27.53	-168.60
q136	48	56.29	-114	26.23	4113.00	mt	980553.13	980974.48	1.39	-140.28	-1.28	0.00	-34.69	-174.86
q137	48	56.91	-114	27.05	4184.00	mt	980550.87	980975.41	1.42	-142.70	-1.29	0.00	-31.21	-173.78
q138	48	57.61	-114	27.75	4210.00	mt	980550.91	980976.45	1.64	-143.59	-1.30	0.00	-29.76	-173.01
q139	48	58.38	-114	28.21	4182.00	mt	980553.43	980977.60	1.82	-142.64	-1.29	0.00	-31.03	-173.14
q140	48	59.18	-114	28.36	4068.00	mt	980558.97	980978.80	2.30	-138.75	-1.27	0.00	-37.40	-175.12
q141	48	59.71	-114	28.63	3987.00	mt	980562.66	980979.59	2.30	-135.99	-1.26	0.00	-42.11	-177.05
q142	49	0.06	-114	28.72	3983.00	mt	980561.75	980980.12	1.95	-135.85	-1.26	0.00	-43.92	-179.08
q143	48	57.53	-114	26.06	4114.00	mt	980555.34	980976.33	1.71	-140.32	-1.28	0.00	-34.23	-174.12
q109	48	45.88	-114	17.49	3532.00	mt	980571.12	980958.91	2.25	-120.47	-1.17	0.00	-55.74	-175.12
q109	48	45.88	-114	17.49	3532.00	mt	980571.06	980958.91	2.25	-120.47	-1.17	0.00	-55.79	-175.17
q144	48	53.98	-114	23.26	3771.00	mt	980562.79	980971.03	1.80	-128.62	-1.22	0.00	-53.72	-181.75
q145	48	53.87	-114	23.87	4038.00	mt	980548.15	980970.86	1.41	-137.72	-1.27	0.00	-43.10	-180.68
q146	48	52.56	-114	23.76	3984.00	mt	980548.90	980968.90	1.25	-135.88	-1.26	0.00	-45.47	-181.35
q147	48	52.67	-114	25.20	4058.00	mt	980549.44	980969.06	1.42	-138.41	-1.27	0.00	-38.13	-176.39
q148	48	52.99	-114	25.44	4168.00	mt	980544.38	980969.55	1.48	-142.16	-1.29	0.00	-33.33	-175.30

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S (d1=2.67)	A N O M A L I E S COMPLETE-BOUGUER d1=2.67					
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED THEORETICAL							
q149	48	53.45	-114	25.89	4319.00	mt 980537.28	980970.23	1.79	-147.31	-1.32	0.00	-26.93	-173.76
q150	48	53.52	-114	26.51	4348.00	mt 980537.06	980970.34	1.75	-148.30	-1.32	0.00	-24.53	-172.39
q151	48	54.14	-114	27.13	4310.00	mt 980540.23	980971.26	2.49	-147.00	-1.31	0.00	-25.85	-171.68
q152	48	54.05	-114	28.90	4490.00	mt 980530.17	980971.13	6.74	-153.14	-1.34	0.00	-18.87	-166.61
q153	48	53.69	-114	25.56	4115.00	mt 980549.48	980970.59	1.47	-140.35	-1.28	0.00	-34.26	-174.42
q154	48	52.51	-114	26.73	4244.00	mt 980543.41	980968.83	1.74	-144.75	-1.30	0.00	-26.44	-170.75
q155	48	52.02	-114	27.70	4170.00	mt 980549.43	980968.09	2.95	-142.23	-1.29	0.00	-26.64	-167.21
q156	48	50.82	-114	22.24	3799.00	mt 980559.32	980966.30	1.49	-129.57	-1.22	0.00	-49.83	-179.13
q157	48	49.95	-114	23.52	4075.00	mt 980546.40	980965.00	1.41	-138.99	-1.27	0.00	-35.51	-174.36
q158	48	49.07	-114	22.62	3976.00	mt 980552.00	980963.68	1.57	-135.61	-1.26	0.00	-37.90	-173.19
q159	48	47.02	-114	19.44	3846.00	mt 980556.03	980960.62	1.65	-131.18	-1.23	0.00	-43.01	-173.77
q160	48	46.86	-114	18.78	3823.00	mt 980555.86	980960.38	1.52	-130.39	-1.23	0.00	-45.11	-175.20
q109	48	45.88	-114	17.49	3532.00	mt 980570.93	980958.91	2.25	-120.47	-1.17	0.00	-55.92	-175.31
q161	48	46.70	-114	18.24	3777.00	mt 980557.37	980960.13	1.52	-128.82	-1.22	0.00	-47.68	-176.20
q162	48	46.21	-114	18.32	3786.00	mt 980556.61	980959.41	1.77	-129.13	-1.22	0.00	-46.86	-175.44
q163	48	45.91	-114	19.07	3874.00	mt 980554.41	980958.95	2.24	-132.13	-1.24	0.00	-40.34	-171.46
q164	48	46.45	-114	17.56	3550.00	mt 980569.84	980959.77	1.92	-121.08	-1.17	0.00	-56.17	-176.50
q165	48	47.13	-114	17.84	3560.00	mt 980568.28	980960.78	1.84	-121.42	-1.17	0.00	-57.81	-178.56
q166	48	47.29	-114	18.04	3566.00	mt 980568.12	980961.02	1.79	-121.63	-1.17	0.00	-57.65	-178.66
q167	48	46.21	-114	16.86	3534.00	mt 980568.59	980959.41	1.93	-120.53	-1.17	0.00	-58.56	-178.33
q168	48	46.12	-114	20.87	4047.00	mt 980550.46	980959.27	4.18	-138.03	-1.27	0.00	-28.35	-163.47
q169	48	45.56	-114	19.19	3937.00	mt 980551.21	980958.43	2.45	-134.28	-1.25	0.00	-37.10	-170.17
q114	48	41.31	-114	11.92	3433.00	mt 980571.01	980952.07	1.88	-117.09	-1.15	0.00	-58.31	-174.66
q170	48	40.52	-114	11.92	3654.00	mt 980560.25	980950.88	2.22	-124.63	-1.19	0.00	-47.11	-170.71
q171	48	39.72	-114	11.24	3646.00	mt 980563.37	980949.69	3.15	-124.35	-1.19	0.00	-43.55	-165.94
q172	48	37.91	-114	8.99	3490.00	mt 980568.75	980946.98	4.24	-119.03	-1.16	0.00	-50.12	-166.07
q173	48	47.89	-114	15.40	3840.00	mt 980547.01	980961.92	1.49	-130.97	-1.23	0.00	-53.90	-184.61
q174	48	48.21	-114	14.60	4002.00	mt 980535.27	980962.39	1.97	-136.50	-1.26	0.00	-50.89	-186.68
q175	48	49.54	-114	12.52	4060.00	mt 980542.64	980964.39	2.86	-138.47	-1.27	0.00	-40.06	-176.95
q176	48	49.24	-114	13.06	4143.00	mt 980535.17	980963.94	1.86	-141.31	-1.29	0.00	-39.28	-180.01
q177	48	48.71	-114	13.92	4040.00	mt 980537.11	980963.14	1.69	-137.79	-1.27	0.00	-46.23	-183.60
ks1	48	23.56	-115	19.70	2145.00	mt 980658.35	980925.48	9.91	-73.16	-0.81	0.00	-65.45	-129.50
ks2	48	25.60	-115	37.06	2051.00	mt 980657.17	980928.54	7.23	-69.95	-0.78	0.00	-78.52	-142.02
ks3	48	26.84	-115	41.90	2017.00	mt 980649.81	980930.40	19.17	-68.79	-0.77	0.00	-90.94	-141.33
ks4	48	26.97	-115	44.40	2041.00	mt 980651.21	980930.59	17.76	-69.61	-0.77	0.00	-87.48	-140.10
ks5	48	26.71	-115	48.31	1958.00	mt 980663.56	980930.20	10.18	-66.78	-0.75	0.00	-82.54	-139.89
ks6	48	26.28	-115	51.69	2106.00	mt 980658.62	980929.55	3.74	-71.83	-0.79	0.00	-72.93	-141.81
ks7	48	27.41	-115	53.44	1915.00	mt 980673.04	980931.25	5.39	-65.32	-0.73	0.00	-78.15	-138.81
ks8	48	29.64	-115	55.00	1916.00	mt 980675.68	980934.59	7.17	-65.35	-0.73	0.00	-78.76	-137.67
ks9	48	30.93	-115	56.03	1872.00	mt 980683.89	980936.52	6.73	-63.85	-0.72	0.00	-76.62	-134.46

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	ELE (in ft)	SI OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
ks10	48 32.55	-115 57.49	1861.00	mt	980685.62	6.74	-78.35	-135.80
ks11	48 35.66	-115 59.48	2285.00	mt	980669.52	3.60	-59.24	-134.43
ks12	48 36.46	-115 56.72	2534.00	mt	980654.38	2.93	-52.18	-136.59
ks13	48 37.92	-115 54.26	2532.00	mt	980662.86	6.28	-46.07	-127.07
ks14	48 40.39	-115 51.76	2683.00	mt	980662.94	7.79	-35.50	-120.18
ks15	48 41.11	-115 51.41	2616.00	mt	980666.73	9.41	-39.08	-119.83
ks16	48 40.64	-115 48.95	2843.00	mt	980654.39	8.13	-29.38	-119.22
ks17	48 40.12	-115 47.43	2945.00	mt	980641.77	8.76	-31.63	-124.34
ks18	48 39.60	-115 45.99	2971.00	mt	980638.58	7.96	-31.60	-126.01
ks19	48 38.81	-115 44.88	3253.00	mt	980618.79	8.73	-23.70	-127.03
ks20	48 38.22	-115 43.12	3237.00	mt	980616.45	8.09	-26.66	-130.07
ks21	48 36.82	-115 42.53	3522.00	mt	980600.18	5.22	-14.05	-130.12
ks22	48 37.24	-115 41.19	3782.00	mt	980584.66	4.44	-5.76	-131.53
ks23	48 37.36	-115 39.47	4210.00	mt	980561.97	4.01	11.59	-129.28
ks24	48 36.35	-115 44.20	3995.00	mt	980571.41	5.86	2.35	-129.31
ks25	48 35.89	-115 46.25	4660.00	mt	980533.21	4.74	27.33	-128.24
ks26	48 35.08	-115 42.47	4047.00	mt	980565.52	7.42	3.25	-128.63
ks27	48 34.72	-115 44.18	4677.00	mt	980526.75	11.72	24.22	-124.95
ks28	48 33.94	-115 41.07	4290.00	mt	980547.80	7.02	10.06	-130.55
ks29	48 35.76	-115 40.03	3602.00	mt	980589.48	8.71	-15.64	-130.96
ks30	48 35.64	-115 36.99	3072.00	mt	980621.07	7.41	-33.69	-132.11
ks31	48 25.09	-115 32.76	2295.00	mt	980644.42	2.10	-67.57	-144.60
ks32	48 27.07	-115 33.04	2517.00	mt	980635.54	3.19	-58.55	-142.12
ks33	48 28.47	-115 31.77	2599.00	mt	980637.50	4.44	-50.98	-136.12
ks34	48 30.12	-115 31.42	2679.00	mt	980636.73	6.08	-46.70	-132.95
ks35	48 31.26	-115 31.73	2741.00	mt	980634.69	5.67	-44.62	-133.42
ks36	48 32.52	-115 32.18	2844.00	mt	980631.01	5.98	-40.51	-132.53
ks37	48 34.00	-115 33.99	2954.00	mt	980625.51	6.27	-37.88	-133.40
ks38	48 34.68	-115 35.37	2990.00	mt	980623.47	7.94	-37.56	-132.64
ks39	48 37.17	-115 36.22	3223.00	mt	980613.08	9.77	-29.78	-131.03
ks40	48 37.41	-115 34.09	4476.00	mt	980547.18	2.41	21.73	-129.86
ks41	48 36.92	-115 32.73	4886.00	mt	980523.05	3.16	36.86	-128.02
ks42	48 38.12	-115 32.69	5768.00	mt	980466.75	10.53	61.65	-126.04
ks43	48 40.01	-115 32.29	4240.00	mt	980570.29	2.25	18.77	-124.90
ks44	48 39.67	-115 33.94	3782.00	mt	980586.60	7.83	-7.46	-129.84
ks45	48 38.31	-115 35.40	3391.00	mt	980604.92	10.37	-23.85	-130.27
ks46	48 37.60	-115 38.33	3485.00	mt	980599.92	7.14	-18.95	-131.83
ks47	48 40.34	-115 38.84	4322.00	mt	980559.37	5.40	15.06	-128.27
ks48	48 43.58	-115 38.55	3727.00	mt	980600.91	3.72	-4.17	-128.77
ks49	48 44.95	-115 38.83	3527.00	mt	980614.14	4.66	-11.79	-128.59

Kališpell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L U C A T I O N S			ELE ST (in ft)	G R A V I T Y			C O R R E C T I O N S			A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	deg		THEORETICAL	TERRAIN	BOUGUER	CURV	SPECIAL	FREE	COMPLETE-BOUGUER	AIR	
								(d1=2.67)				d1=2.67	
KS50	48	46.37	-115	39.37	3460.00	mt	980621.42	980959.64	3.24	-118.01	-1.15	0.00	-12.93
KS51	48	47.79	-115	40.53	3418.00	mt	980627.25	980961.77	2.00	-116.58	-1.14	0.00	-13.17
KS52	48	49.36	-115	41.24	3168.00	mt	980644.66	980964.12	1.82	-108.05	-1.08	0.00	-21.61
KS53	48	49.94	-115	42.39	2960.00	mt	980658.26	980964.98	2.76	-100.96	-1.03	0.00	-28.43
KS54	48	50.76	-115	43.01	3970.00	mt	980598.92	980966.21	4.08	-135.41	-1.25	0.00	5.94
KS55	48	51.72	-115	43.27	4972.00	mt	980534.64	980967.65	12.00	-169.58	-1.41	0.00	34.39
KS56	48	47.23	-115	36.97	4627.00	mt	980552.93	980960.93	3.98	-157.81	-1.36	0.00	26.97
KS57	48	45.33	-115	34.73	5631.00	mt	980491.35	980958.09	5.03	-192.06	-1.47	0.00	62.58
KS58	48	46.38	-115	34.17	5961.00	mt	980471.30	980959.66	7.22	-203.31	-1.49	0.00	71.96
KS59	48	41.95	-115	38.74	4115.00	mt	980576.26	980953.03	2.49	-140.35	-1.28	0.00	10.08
KS60	48	39.12	-115	38.73	3965.00	mt	980577.67	980948.79	4.84	-135.23	-1.25	0.00	1.64
KS61	48	24.50	-115	35.42	2054.00	mt	980654.92	980926.89	4.58	-70.06	-0.78	0.00	-78.84
KS62	48	42.39	-115	52.19	2662.00	mt	980666.47	980953.69	8.56	-90.79	-0.96	0.00	-36.93
KS63	48	43.69	-115	52.62	2735.00	mt	980664.57	980955.63	9.17	-93.28	-0.97	0.00	-33.92
KS64	48	45.02	-115	54.10	2795.00	mt	980664.47	980957.62	7.84	-95.33	-0.99	0.00	-30.37
KS65	48	45.78	-115	55.08	2817.00	mt	980664.06	980958.76	8.03	-96.08	-1.00	0.00	-29.85
KS66	48	47.25	-115	55.18	2830.00	mt	980666.71	980960.96	7.61	-96.52	-1.00	0.00	-28.18
KS67	48	47.23	-115	59.57	3962.00	mt	980597.86	980960.93	9.65	-135.13	-1.25	0.00	9.40
KS68	48	47.19	-115	57.59	3437.00	mt	980629.84	980960.87	10.78	-117.23	-1.15	0.00	-7.90
KS69	48	50.11	-115	58.30	4328.00	mt	980587.21	980965.24	5.66	-147.62	-1.32	0.00	28.84
KS70	48	49.33	-115	56.42	4741.00	mt	980557.93	980964.07	6.07	-161.70	-1.38	0.00	39.54
KS71	48	50.29	-115	56.60	5287.00	mt	980428.25	980965.51	7.05	-180.32	-1.44	0.00	59.73
KS72	48	50.07	-115	55.44	6529.00	mt	980437.33	980965.18	21.07	-222.69	-1.51	0.00	85.84
KS73	48	48.58	-115	53.66	2836.00	mt	980664.82	980962.95	11.71	-96.73	-1.00	0.00	-31.49
KS74	48	49.38	-115	51.01	2970.00	mt	980661.65	980964.15	5.72	-101.30	-1.04	0.00	-23.26
KS75	48	50.95	-115	52.01	3625.00	mt	980626.01	980966.50	6.20	-123.64	-1.19	0.00	0.31
KS76	48	52.05	-115	54.78	4002.00	mt	980604.68	980968.14	7.95	-136.50	-1.26	0.00	12.77
KS77	48	52.58	-115	57.23	4319.00	mt	980585.16	980968.93	9.64	-147.31	-1.32	0.00	22.25
KS78	48	54.61	-115	59.20	5162.00	mt	980542.18	980971.97	6.58	-176.06	-1.43	0.00	55.45
KS79	48	49.66	-115	48.68	2908.00	mt	980666.65	980964.57	7.15	-99.18	-1.02	0.00	-24.51
KS80	48	49.78	-115	45.66	2993.00	mt	980656.83	980964.75	3.15	-102.08	-1.04	0.00	-26.52
KS81	48	51.32	-115	46.33	3134.00	mt	980651.57	980967.05	3.80	-106.89	-1.08	0.00	-20.83
KS82	48	52.97	-115	47.93	3416.00	mt	980638.41	980969.52	4.73	-116.51	-1.14	0.00	-9.95
KS83	48	54.48	-115	49.16	3651.00	mt	980625.94	980971.77	6.57	-124.53	-1.19	0.00	-2.60
KS84	48	57.38	-115	50.46	4301.00	mt	980597.07	980976.11	3.75	-146.69	-1.31	0.00	25.29
KS85	48	58.18	-115	50.37	4335.00	mt	980596.59	980977.30	2.39	-147.85	-1.32	0.00	26.81
KS86	48	24.72	-115	27.34	2130.00	mt	980655.80	980927.22	6.24	-72.65	-0.80	0.00	-71.15
KS87	48	24.52	-115	20.98	2943.00	mt	980614.22	980926.92	10.51	-100.38	-1.03	0.00	-36.00
KS89	48	29.47	-115	19.36	3955.00	mt	980572.63	980934.34	6.47	-134.89	-1.25	0.00	10.11
KS90	48	28.75	-115	20.75	2831.00	mt	980637.03	980933.27	5.23	-96.56	-1.00	0.00	-30.06

46

BOUGUER GRAVITY DATA

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	deg	min	ELE (in ft)	ST OBSERVED	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER dl=2.67
KS91	48	28.60	-115 23.90	3713.00 mt	980587.88	980933.04	0.00	3.92
KS92	48	27.99	-115 19.33	2566.00 mt	980651.55	980932.12	0.00	-39.31
KS93	48	31.00	-115 18.05	2623.00 mt	980655.24	980936.63	0.00	-34.77
KS94	48	31.47	-115 21.02	2909.00 mt	980637.36	980937.34	0.00	-26.48
KS95	48	31.73	-115 23.83	3307.00 mt	980609.35	980937.72	0.00	-17.46
KS96	48	31.88	-115 25.71	3975.00 mt	980570.44	980937.95	0.00	6.18
KS97	48	30.85	-115 26.20	4966.00 mt	980510.23	980936.41	0.00	40.66
KS98	48	29.92	-115 27.13	6040.00 mt	980428.07	980935.02	0.00	60.80
KS99	48	32.81	-115 23.60	4771.00 mt	980530.17	980939.34	0.00	39.33
KS100	48	23.34	-115 33.13	2086.00 mt	980651.80	980925.16	0.00	-77.22
KS101	48	50.31	-115 40.11	3053.00 mt	980653.18	980965.54	0.00	-25.32
KS102	48	51.31	-115 39.94	3019.00 mt	980656.04	980967.03	0.00	-27.15
KS103	48	52.90	-115 39.88	3045.00 mt	980657.48	980969.41	0.00	-25.64
KS104	48	54.59	-115 40.19	2997.00 mt	980661.44	980971.94	0.00	-28.73
KS105	48	56.03	-115 40.32	3074.00 mt	980659.87	980974.09	0.00	-25.21
KS106	48	56.10	-115 42.61	3305.00 mt	980646.45	980974.20	0.00	-17.02
KS107	48	55.97	-115 44.60	4035.00 mt	980604.16	980974.00	0.00	9.49
KS108	48	56.14	-115 47.20	5344.00 mt	980529.19	980974.26	0.00	57.28
KS109	48	56.58	-115 38.25	3063.00 mt	980660.63	980974.91	0.00	-26.31
KS110	48	57.07	-115 35.50	3339.00 mt	980645.57	980975.65	0.00	-16.16
KS111	48	57.03	-115 32.48	3457.00 mt	980635.68	980975.59	0.00	-14.90
KS112	48	55.43	-115 32.32	4010.00 mt	980600.56	980973.19	0.00	4.35
KS113	48	56.90	-115 30.56	3714.00 mt	980621.20	980975.39	0.00	-5.03
KS114	48	56.01	-115 28.12	3852.00 mt	980607.32	980974.06	0.00	-4.61
KS115	48	55.90	-115 26.10	4089.00 mt	980591.67	980973.90	0.00	2.18
KS116	48	55.20	-115 22.95	5061.00 mt	980534.04	980972.85	0.00	36.94
KS117	48	55.15	-115 21.40	5579.00 mt	980503.16	980972.78	0.00	54.81
KS118	48	54.19	-115 21.60	6599.00 mt	980431.59	980971.34	0.00	80.52
KS119	48	56.13	-115 20.04	4819.00 mt	980547.39	980974.24	0.00	26.16
KS120	48	28.97	-115 53.62	2038.00 mt	980668.71	980933.59	0.00	-73.26
KS121	48	27.37	-115 52.25	2441.00 mt	980642.23	980931.20	0.00	-59.45
KS122	48	28.07	-115 50.34	2515.00 mt	980633.60	980932.23	0.00	-62.18
KS123	48	29.46	-115 50.91	2544.00 mt	980638.93	980934.32	0.00	-56.20
KS124	48	30.27	-115 48.18	3663.00 mt	980569.22	980935.54	0.00	-21.95
KS125	48	30.10	-115 46.92	4926.00 mt	980498.51	980935.28	0.00	26.29
KS126	48	29.24	-115 47.59	5787.00 mt	980431.04	980933.99	0.00	41.02
KS127	48	29.59	-115 44.08	5223.00 mt	980478.82	980934.52	0.00	35.28
KS128	48	29.33	-115 45.83	5020.00 mt	980490.29	980934.13	0.00	28.06
KS129	48	31.37	-115 45.94	6036.00 mt	980431.50	980937.18	0.00	61.68
KS130	48	31.24	-115 44.86	5584.00 mt	980457.77	980936.99	0.00	45.68
KS131	48	29.24	-115 47.59	5787.00 mt	980431.04	980933.99	0.00	41.02
KS132	48	29.59	-115 44.08	5223.00 mt	980478.82	980934.52	0.00	35.28
KS133	48	29.33	-115 45.83	5020.00 mt	980490.29	980934.13	0.00	28.06
KS134	48	31.37	-115 45.94	6036.00 mt	980431.50	980937.18	0.00	61.68
KS135	48	31.24	-115 44.86	5584.00 mt	980457.77	980936.99	0.00	45.68

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	COMPLETE-BOUGUER dl=2.67
KS131	48	25.44	-115	34.81	2128.00	mt	980656.39	3.24	-72.58	-0.80
KS132	48	26.54	-115	35.28	2467.00	mt	980634.56	2.36	-84.14	-0.90
KS133	48	27.82	-115	34.66	2516.00	mt	980638.01	2.41	-85.81	-0.91
KS134	48	29.61	-115	34.00	3080.00	mt	980611.18	2.64	-105.05	-1.06
KS135	48	45.47	-115	24.52	2859.00	mt	980649.49	13.58	-97.51	-1.01
KS136	48	45.61	-115	25.60	2950.00	mt	980644.31	12.06	-100.62	-1.03
KS137	48	42.64	-115	28.92	3480.00	mt	980613.51	10.29	-118.69	-1.16
KS138	48	41.35	-115	30.57	4065.00	mt	980583.22	3.07	-138.65	-1.27
KS139	48	43.52	-115	32.25	4728.00	mt	980541.77	2.53	-161.26	-1.38
KS140	48	39.52	-115	30.62	4718.00	mt	980542.30	1.95	-160.92	-1.37
KS141	48	38.76	-115	26.74	5096.00	mt	980520.77	3.45	-173.81	-1.42
KS142	48	40.40	-115	26.30	5060.00	mt	980526.35	2.77	-172.58	-1.42
KS143	48	39.26	-115	29.27	5238.00	mt	980511.79	2.60	-178.65	-1.44
KS144	48	49.87	-115	17.85	3920.00	mt	980592.60	6.48	-133.70	-1.24
KS145	48	50.39	-115	20.47	4242.00	mt	980576.44	4.68	-144.68	-1.30
KS146	48	50.48	-115	23.97	4859.00	mt	980544.62	5.83	-165.73	-1.39
KS147	48	49.64	-115	22.36	5473.00	mt	980506.03	4.28	-186.67	-1.46
KS148	48	49.16	-115	21.57	5653.00	mt	980493.32	6.78	-192.81	-1.47
KS149	48	48.54	-115	25.26	5225.00	mt	980521.94	3.24	-178.21	-1.44
KS150	48	47.18	-115	26.29	5142.00	mt	980526.36	4.32	-175.38	-1.43
KS151	48	48.34	-115	28.77	4797.00	mt	980545.97	5.77	-163.61	-1.39
KS152	48	47.63	-115	29.77	4932.00	mt	980539.02	5.48	-168.22	-1.40
KS153	48	46.84	-115	30.35	5075.00	mt	980528.51	5.36	-173.09	-1.42
KS154	48	47.82	-115	31.48	5290.00	mt	980517.24	5.54	-180.43	-1.44
KS155	48	49.02	-115	31.36	5492.00	mt	980508.84	5.30	-187.32	-1.46
KS156	48	30.41	-115	54.32	2420.00	mt	980651.93	3.35	-82.54	-0.89
KS157	48	30.50	-115	52.64	2678.00	mt	980635.88	4.72	-91.34	-0.96
KS158	48	31.70	-115	54.95	2455.00	mt	980652.08	3.98	-83.73	-0.90
KS159	48	35.81	-115	54.98	2502.00	mt	980657.45	4.65	-85.34	-0.91
KS160	48	37.28	-115	54.05	2820.00	mt	980644.29	5.60	-96.18	-1.00
KS161	48	35.17	-115	52.80	2977.00	mt	980627.59	8.13	-101.54	-1.04
KS162	48	33.84	-115	52.25	2923.00	mt	980627.31	9.43	-99.70	-1.02
KS163	48	32.70	-115	54.48	2956.00	mt	980621.98	5.27	-100.82	-1.03
KS164	48	33.57	-115	49.21	4995.00	mt	980488.06	27.09	-170.37	-1.41
KS165	48	34.85	-115	49.92	4409.00	mt	980544.81	6.05	-150.38	-1.33
KS166	48	36.02	-115	51.13	4534.00	mt	980537.27	11.83	-154.64	-1.35
KS167	48	33.55	-115	49.22	3369.00	mt	980598.60	12.55	-114.91	-1.13
KS168	48	33.56	-115	47.74	3716.00	mt	980577.20	12.20	-126.74	-1.20
KS169	48	33.07	-115	46.23	4307.00	mt	980543.55	12.32	-146.90	-1.31
KS170	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS171	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS172	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS173	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS174	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS175	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS176	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS177	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS178	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS179	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS180	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS181	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS182	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS183	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS184	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS185	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS186	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS187	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS188	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS189	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS190	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS191	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS192	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS193	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS194	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS195	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS196	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS197	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS198	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS199	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS200	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS201	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS202	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS203	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS204	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS205	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS206	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS207	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS208	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS209	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS210	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS211	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS212	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS213	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS214	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS215	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS216	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS217	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS218	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS219	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS220	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS221	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS222	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS223	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS224	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS225	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS226	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS227	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS228	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS229	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS230	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS231	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS232	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS233	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS234	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS235	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS236	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS237	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS238	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94
KS239	48	27.46	-115	37.84	2622.00	mt	980627.09	5.85	-89.43	-0.94

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	COMPLETE-BOUGUER d1=2.67
757 48	3.58	-114	15.63		3240.00	mt	980557.07	980895.52	0.58	-110.51 -1.10
260 47	52.47	-114	15.72		3058.00	mt	980559.49	980878.84	1.52	-104.30 -1.06
56 47	52.14	-114	16.44		2916.00	mt	980568.88	980878.34	1.69	-99.46 -1.02
57 47	50.83	-114	16.50		2898.00	mt	980569.76	980876.38	1.38	-98.84 -1.02
697 47	51.98	-114	16.65		2917.00	mt	980569.28	980878.10	0.85	-99.49 -1.02
752 47	58.90	-114	16.68		4640.00	mt	980471.99	980888.50	3.26	-158.26 -1.36
702 48	0.95	-114	17.56		3652.00	mt	980530.88	980891.57	0.90	-124.56 -1.19
751 47	58.17	-114	17.60		4570.00	mt	980475.94	980887.40	4.51	-155.87 -1.35
696 47	53.27	-114	17.88		3142.00	mt	980556.53	980880.04	1.33	-107.16 -1.08
703 48	0.09	-114	17.99		3896.00	mt	980517.00	980890.28	1.94	-132.88 -1.24
770 48	4.90	-114	18.51		4420.00	mt	980490.50	980897.50	1.04	-150.75 -1.33
704 47	59.21	-114	18.83		4170.00	mt	980499.35	980888.96	4.56	-142.23 -1.29
554 47	51.44	-114	18.96		3395.00	mt	980541.21	980877.29	1.88	-115.79 -1.14
531 47	51.99	-114	18.96		2948.00	mt	980567.63	980878.12	2.08	-100.55 -1.03
698 47	51.92	-114	19.15		3284.00	mt	980548.91	980878.02	1.29	-112.01 -1.11
750 47	57.21	-114	19.20		3966.00	mt	980511.56	980885.96	2.60	-135.27 -1.25
749 47	56.17	-114	19.49		3558.00	mt	980534.72	980884.40	1.44	-121.35 -1.17
573 47	50.71	-114	19.50		3364.00	mt	980543.09	980876.20	1.81	-114.74 -1.13
530 47	50.21	-114	19.62		2977.00	mt	980565.24	980875.45	1.81	-101.54 -1.04
695 47	53.11	-114	19.81		3238.00	mt	980552.96	980879.80	1.09	-110.44 -1.10
771 48	4.88	-114	19.86		4320.00	mt	980494.95	980897.47	0.77	-147.34 -1.32
685 47	59.38	-114	19.95		4961.00	mt	980454.49	980889.22	4.18	-169.21 -1.41
694 47	54.30	-114	20.19		3269.00	mt	980550.06	980881.59	0.97	-111.50 -1.11
693 47	55.13	-114	20.48		3486.00	mt	980540.93	980882.84	0.95	-118.90 -1.16
753 47	57.42	-114	20.63		3770.00	mt	980523.22	980886.27	3.60	-128.58 -1.22
700 47	50.03	-114	20.78		2935.00	mt	980566.17	980875.17	1.29	-100.10 -1.03
565 47	50.37	-114	21.24		3079.00	mt	980561.26	980875.69	2.35	-105.02 -1.06
706 48	1.06	-114	21.42		6150.00	mt	980381.64	980891.74	5.46	-209.76 -1.50
566 47	50.90	-114	21.48		3463.00	mt	980537.33	980876.48	2.48	-118.11 -1.15
567 47	51.83	-114	21.54		4212.00	mt	980492.94	980877.88	3.84	-143.66 -1.30
684 47	59.33	-114	21.69		5891.00	mt	980395.81	980889.14	9.13	-200.93 -1.49
705 48	0.67	-114	21.76		6757.00	mt	980335.32	980891.16	9.67	-230.46 -1.52
682 48	0.44	-114	21.95		6520.00	mt	980354.28	980890.80	8.42	-222.38 -1.51
681 48	0.29	-114	22.00		6533.00	mt	980353.51	980890.58	9.24	-222.82 -1.51
687 47	55.13	-114	22.14		3623.00	mt	980530.38	980882.84	0.71	-123.57 -1.19
683 47	59.52	-114	22.18		6169.00	mt	980379.45	980889.42	12.00	-210.41 -1.50
680 48	0.39	-114	22.19		6495.00	mt	980357.17	980890.73	8.43	-221.53 -1.51
688 47	54.28	-114	22.34		3706.00	mt	980527.42	980881.56	0.74	-126.40 -1.20
707 47	59.46	-114	22.51		6155.00	mt	980379.75	980889.34	12.06	-209.93 -1.50
765 48	4.67	-114	22.83		4160.00	mt	980496.24	980897.15	0.47	-141.89 -1.29

96

Kalispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR
570 47	50.60	-114 22.92			3512.00	mt	980531.96	980876.03	0.00	-13.89
686 47	56.28	-114 23.24			3702.00	mt	980529.79	980884.56	0.00	-132.06
709 47	59.50	-114 23.50			5290.00	mt	980436.56	980889.40	0.00	-132.98
782 47	56.98	-114 23.74			3767.00	mt	980526.46	980885.62	0.00	-134.09
708 47	58.64	-114 23.74			5621.00	mt	980412.27	980888.10	0.00	-132.74
568 47	51.73	-114 23.88			4580.00	mt	980469.10	980877.73	0.00	-128.51
571 47	50.33	-114 23.94			3371.00	mt	980539.36	980875.63	0.00	-13.89
710 47	58.96	-114 24.28			5309.00	mt	980436.36	980888.59	0.00	-130.42
764 48	4.49	-114 24.34			3880.00	mt	980526.56	980896.88	0.00	-19.34
692 47	54.98	-114 24.36			3702.00	mt	980527.52	980882.61	0.00	-131.66
779 48	2.02	-114 24.62			3991.00	mt	980516.13	980893.18	0.00	-138.67
569 47	51.17	-114 24.78			4800.00	mt	980451.72	980876.88	0.00	-1.84
778 48	2.79	-114 24.81			3934.00	mt	980521.12	980894.34	0.00	-130.61
584 47	51.14	-114 24.96			5277.00	mt	980420.52	980876.84	0.00	-138.23
783 47	56.21	-114 25.13			3807.00	mt	980522.87	980884.45	0.00	-128.81
780 48	0.56	-114 25.15			5284.00	mt	980439.24	980890.98	0.00	-133.04
711 47	59.14	-114 25.26			5992.00	mt	980390.23	980888.86	0.00	-1.84
756 47	53.86	-114 25.47			5025.00	mt	980441.33	980880.93	0.00	26.07
781 48	1.51	-114 25.53			4972.00	mt	980458.81	980892.41	0.00	64.62
689 47	55.55	-114 25.63			3773.00	mt	980523.88	980883.46	0.00	-131.02
763 48	4.10	-114 25.65			3600.00	mt	980541.16	980896.30	0.00	-133.85
774 48	3.28	-114 25.88			3838.00	mt	980529.40	980895.07	0.00	-135.92
777 48	0.52	-114 26.29			4324.00	mt	980503.57	980890.93	0.00	-133.48
776 48	1.63	-114 26.35			4144.00	mt	980510.30	980892.59	0.00	-140.01
775 48	2.48	-114 26.47			4067.00	mt	980514.17	980893.87	0.00	-136.83
762 48	4.71	-114 26.67			3442.00	mt	980553.78	980897.21	0.00	-16.68
755 47	53.73	-114 26.81			4819.00	mt	980456.31	980880.73	0.00	-19.83
712 47	58.38	-114 26.84			5677.00	mt	980410.80	980887.71	0.00	-137.70
690 47	56.00	-114 26.88			4049.00	mt	980507.05	980884.14	0.00	-132.29
691 47	56.88	-114 26.94			4297.00	mt	980492.37	980885.46	0.00	-132.37
585 47	50.19	-114 27.30			5004.00	mt	980437.53	980875.41	0.00	-134.55
754 47	54.63	-114 27.88			4903.00	mt	980457.36	980882.09	0.00	-134.08
895 48	0.65	-114 30.68			3906.00	mt	980519.67	980891.12	0.00	-19.83
788 47	59.46	-114 30.81			3920.00	mt	980517.25	980889.34	0.00	28.60
784 47	54.51	-114 31.95			3627.00	mt	980525.44	980881.91	0.00	56.73
785 47	52.77	-114 31.98			3054.00	mt	980557.17	980879.29	0.00	3.56
787 47	57.98	-114 31.98			4107.00	mt	980502.80	980887.11	0.00	10.87
180 47	51.40	-114 32.04			3355.00	mt	980539.15	980877.23	0.00	-19.83
178 47	52.17	-114 32.40			3006.00	mt	980560.32	980878.39	0.00	-132.29
181 47	50.75	-114 32.94			2950.00	mt	980562.80	980876.26	0.00	-132.37

37

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER dl=2.67
786	47 56.38	-114 32.98			4598.00	mt 980470.78	980884.71	2.22	-156.82	-1.36
177	47 51.93	-114 33.12			2974.00	mt 980560.00	980878.03	2.59	-101.43	-1.04
182	47 50.87	-114 33.66			2915.00	mt 980562.24	980876.44	2.08	-99.42	-1.02
179	47 51.52	-114 33.66			2925.00	mt 980560.46	980877.41	2.19	-99.76	-1.02
673	47 50.01	-114 33.73			2918.00	mt 980559.00	980875.15	1.27	-99.52	-1.02
176	47 52.23	-114 33.84			2979.00	mt 980558.35	980878.48	2.08	-101.61	-1.04
864	47 53.83	-114 34.48			3193.00	mt 980547.51	980880.88	3.34	-108.90	-1.09
183	47 50.86	-114 34.68			2932.00	mt 980557.36	980876.43	1.51	-100.00	-1.03
175	47 52.14	-114 34.68			3071.00	mt 980554.97	980878.34	1.52	-104.74	-1.06
894	47 59.52	-114 34.70			4425.00	mt 980484.97	980889.42	2.00	-150.92	-1.33
679	47 51.74	-114 35.03			2980.00	mt 980558.53	980877.74	1.56	-101.64	-1.04
893	47 56.09	-114 35.21			4235.00	mt 980487.92	980884.27	0.88	-144.44	-1.30
677	47 51.39	-114 35.46			3008.00	mt 980558.72	980877.22	0.93	-102.59	-1.05
901	47 56.86	-114 35.75			4010.00	mt 980503.67	980885.44	1.06	-136.77	-1.26
865	47 54.56	-114 35.76			3401.00	mt 980533.80	980881.98	3.50	-116.00	-1.14
675	47 51.22	-114 35.79			2970.00	mt 980560.11	980876.97	0.97	-101.30	-1.04
674	47 50.84	-114 36.21			2918.00	mt 980559.97	980876.39	1.21	-99.52	-1.02
678	47 51.25	-114 36.21			2955.00	mt 980561.52	980877.02	1.10	-100.79	-1.03
187	47 50.02	-114 36.24			2905.00	mt 980561.39	980875.16	1.41	-99.08	-1.02
184	47 51.31	-114 37.14			2930.00	mt 980560.32	980877.10	1.58	-99.93	-1.03
186	47 50.01	-114 37.20			2881.00	mt 980561.63	980875.15	1.50	-98.26	-1.01
185	47 50.55	-114 37.38			3145.00	mt 980543.89	980875.96	1.13	-107.27	-1.08
891	47 58.55	-114 37.67			4590.00	mt 980476.59	980887.97	1.03	-156.55	-1.36
892	47 56.53	-114 37.72			3795.00	mt 980518.38	980884.94	1.06	-129.44	-1.22
160	47 50.98	-114 37.98			3404.00	mt 980528.65	980876.61	1.00	-116.10	-1.14
897	47 52.53	-114 38.15			3522.00	mt 980527.91	980878.93	0.76	-120.13	-1.16
157	47 51.75	-114 38.28			3240.00	mt 980540.30	980877.76	1.21	-110.51	-1.10
875	47 54.22	-114 38.40			3822.00	mt 980508.79	980881.47	1.21	-130.36	-1.23
158	47 51.77	-114 39.54			3347.00	mt 980536.32	980877.79	1.48	-114.16	-1.13
890	47 59.39	-114 39.57			4275.00	mt 980496.84	980889.23	0.68	-145.81	-1.31
159	47 52.27	-114 39.78			3385.00	mt 980532.85	980878.55	1.53	-115.45	-1.13
874	47 52.88	-114 40.30			3151.00	mt 980546.27	980879.45	2.60	-107.47	-1.08
896	47 54.01	-114 40.37			3145.00	mt 980549.14	980881.16	2.55	-107.27	-1.08
898	47 56.01	-114 40.53			3524.00	mt 980532.99	980884.16	0.91	-120.19	-1.16
899	47 57.83	-114 40.53			3990.00	mt 980509.75	980886.88	0.89	-136.09	-1.26
876	47 55.27	-114 40.99			3525.00	mt 980527.91	980883.05	0.73	-120.23	-1.17
887	47 57.31	-114 42.20			4187.00	mt 980496.33	980886.11	1.49	-142.81	-1.29
888	47 58.61	-114 42.39			4065.00	mt 980508.99	980888.05	1.09	-138.65	-1.27
889	47 59.71	-114 42.41			4214.00	mt 980501.49	980889.71	1.42	-143.73	-1.30
877	47 55.31	-114 42.86			3581.00	mt 980527.46	980883.10	1.23	-122.14	-1.18

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y ST OBSERVED	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	A N O M A L I E S COMPLETE-BOUGUER d1=2.67			
	LATITUDE deg	LONGITUDE deg	min	sec									
813	47	51.13	-114	43.02	4059.00	mt 980493.74	980876.84	2.69	-138.44	-1.27	0.00	-1.49	-138.51
881	47	53.59	-114	43.02	3630.00	mt 980521.98	980880.52	3.41	-123.81	-1.19	0.00	-17.26	-138.85
900	47	56.61	-114	43.48	3548.00	mt 980532.18	980885.05	1.75	-121.01	-1.17	0.00	-19.31	-139.74
884	47	58.29	-114	44.62	3789.00	mt 980523.41	980887.58	1.80	-129.23	-1.22	0.00	-7.95	-136.60
879	47	54.61	-114	44.68	3905.00	mt 980508.31	980882.05	1.55	-133.19	-1.24	0.00	-6.62	-139.50
885	47	59.38	-114	44.70	4007.00	mt 980514.17	980889.22	1.15	-136.67	-1.26	0.00	1.66	-135.11
812	47	51.29	-114	45.69	5144.00	mt 980428.75	980877.07	3.90	-175.45	-1.43	0.00	35.24	-137.73
882	47	56.24	-114	45.89	3916.00	mt 980510.61	980884.50	1.89	-133.56	-1.24	0.00	-5.74	-138.65
886	47	59.49	-114	46.18	4245.00	mt 980498.58	980889.38	1.61	-144.78	-1.30	0.00	8.28	-136.20
878	47	54.48	-114	46.88	4000.00	mt 980500.03	980881.86	4.13	-136.43	-1.26	0.00	-5.78	-139.34
810	47	50.53	-114	47.18	5732.00	mt 980390.04	980875.93	6.06	-195.50	-1.48	0.00	52.93	-138.00
883	47	56.38	-114	47.71	3949.00	mt 980508.42	980884.71	3.39	-134.69	-1.25	0.00	-5.03	-137.58
811	47	52.13	-114	48.03	6290.00	mt 980352.19	980878.33	10.82	-214.53	-1.51	0.00	65.10	-140.12
639	47	57.36	-114	56.86	3952.00	mt 980508.64	980886.18	3.73	-134.79	-1.25	0.00	-6.00	-138.31
636	47	56.46	-114	58.48	3332.00	mt 980540.53	980884.84	3.08	-113.64	-1.12	0.00	-31.04	-142.72
637	47	58.12	-114	58.83	3518.00	mt 980541.85	980887.33	2.21	-119.99	-1.16	0.00	-14.72	-133.67
641	47	52.12	-114	58.86	3601.00	mt 980517.62	980878.32	3.39	-122.82	-1.18	0.00	-22.15	-142.76
638	47	59.40	-114	59.04	3358.00	mt 980549.96	980889.24	2.34	-114.53	-1.13	0.00	-23.58	-136.90
635	47	55.60	-114	59.63	3314.00	mt 980540.52	980883.55	4.27	-113.03	-1.12	0.00	-31.44	-141.32
640	47	55.11	-115	0.03	3892.00	mt 980506.32	980882.80	8.36	-132.74	-1.24	0.00	-10.58	-136.21
531	47	50.06	-115	0.31	3228.00	mt 980536.63	980875.22	3.56	-110.10	-1.10	0.00	-35.10	-142.74
642	47	51.77	-115	0.53	3333.00	mt 980531.34	980877.79	2.47	-113.68	-1.12	0.00	-33.09	-145.42
521	48	0.27	-115	0.62	3350.00	mt 980551.42	980890.55	1.62	-114.26	-1.13	0.00	-24.17	-137.94
520	48	1.36	-115	0.74	3430.00	mt 980548.43	980892.19	1.01	-116.99	-1.14	0.00	-21.28	-138.40
530	47	52.68	-115	0.77	3236.00	mt 980539.74	980879.16	2.99	-110.37	-1.10	0.00	-35.17	-143.65
525	47	55.03	-115	1.94	3354.00	mt 980536.84	980882.69	2.03	-114.40	-1.13	0.00	-30.51	-144.00
632	47	51.79	-115	2.48	3506.00	mt 980523.44	980877.82	3.04	-119.58	-1.16	0.00	-24.76	-142.46
529	47	53.97	-115	2.56	3283.00	mt 980538.89	980881.09	3.14	-111.97	-1.11	0.00	-33.54	-143.49
524	47	56.83	-115	3.00	3723.00	mt 980518.70	980885.39	1.47	-126.98	-1.21	0.00	-16.67	-143.39
523	47	58.94	-115	3.48	3911.00	mt 980510.05	980888.55	2.70	-133.39	-1.24	0.00	-10.82	-142.76
522	48	0.45	-115	3.60	3646.00	mt 980536.13	980890.82	0.97	-124.35	-1.19	0.00	-11.91	-136.49
527	47	55.17	-115	4.17	3651.00	mt 980522.06	980882.90	1.35	-124.53	-1.19	0.00	-17.59	-141.95
631	47	53.63	-115	4.42	4493.00	mt 980468.70	980880.58	4.29	-153.24	-1.34	0.00	10.51	-139.79
526	47	55.06	-115	5.97	3543.00	mt 980527.88	980882.73	2.00	-120.84	-1.17	0.00	-21.75	-141.76
633	47	52.73	-115	6.17	3733.00	mt 980512.12	980879.23	11.52	-127.32	-1.21	0.00	-16.16	-133.17
630	47	53.25	-115	7.70	3867.00	mt 980506.27	980880.02	2.04	-131.89	-1.23	0.00	-10.19	-141.28
528	47	55.85	-115	7.80	3805.00	mt 980514.94	980883.91	1.68	-129.78	-1.22	0.00	-11.26	-140.58
629	47	51.88	-115	8.11	4145.00	mt 980486.64	980877.96	2.32	-141.37	-1.29	0.00	-1.63	-141.97
515	47	57.68	-115	9.31	3989.00	mt 980507.59	980886.66	2.83	-136.05	-1.26	0.00	-4.05	-138.53
510	47	50.68	-115	9.72	3679.00	mt 980510.77	980876.16	4.37	-125.48	-1.20	0.00	-19.50	-141.81

BOUGUER GRAVITY DATA

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER dl=2.67
514	47 56.42	-115 9.88			4089.00	mt 980500.14	980884.77	1.56 -139.46	0.00	-0.21 -139.39
511	47 52.35	-115 9.98			3835.00	mt 980505.59	980878.66	3.45 -130.80	0.00	-12.52 -141.10
516	47 59.83	-115 10.03			3647.00	mt 980527.93	980889.89	4.80 -124.39	0.00	-19.09 -139.87
512	47 53.60	-115 10.39			4189.00	mt 980488.97	980880.53	1.71 -142.87	0.00	2.25 -140.21
513	47 54.87	-115 10.67			4060.00	mt 980499.85	980882.45	1.87 -138.47	0.00	-0.90 -138.78
517	48 1.78	-115 11.39			3565.00	mt 980538.42	980892.82	0.36 -121.59	0.00	-19.23 -141.64
518	48 3.42	-115 12.03			3486.00	mt 980545.77	980895.28	0.40 -118.90	0.00	-21.77 -141.42
625	47 54.25	-115 12.05			4162.00	mt 980491.70	980881.52	0.88 -141.95	0.00	1.47 -140.90
553	47 56.36	-115 12.24			3599.00	mt 980527.43	980884.68	3.37 -122.75	0.00	-18.89 -139.45
608	47 51.78	-115 12.34			4162.00	mt 980486.20	980877.80	2.44 -141.95	0.00	-0.32 -141.13
550	47 58.11	-115 13.00			3470.00	mt 980537.20	980887.31	4.00 -118.35	0.00	-23.87 -139.37
551	47 59.54	-115 13.12			3462.00	mt 980541.45	980889.45	2.29 -118.08	0.00	-22.52 -139.46
519	48 4.43	-115 13.45			3347.00	mt 980554.52	980896.79	0.59 -114.16	0.00	-27.60 -142.29
552	48 1.53	-115 13.99			3445.00	mt 980545.60	980892.45	0.51 -117.50	0.00	-22.95 -141.09
607	47 52.27	-115 14.48			5107.00	mt 980422.22	980878.55	3.40 -174.19	0.00	23.76 -148.45
627	47 50.52	-115 15.47			5937.00	mt 980371.93	980875.91	8.52 -202.49	0.00	54.09 -141.37
626	47 52.77	-115 15.47			4970.00	mt 980436.13	980879.29	3.59 -169.51	0.00	24.05 -143.28
549	47 56.63	-115 15.47			4041.00	mt 980498.25	980885.09	4.37 -137.83	0.00	-6.93 -141.66
548	47 54.95	-115 16.64			3614.00	mt 980516.97	980882.56	6.70 -123.26	0.00	-25.82 -143.57
547	47 53.46	-115 16.92			3711.00	mt 980509.57	980880.33	5.99 -126.57	0.00	-21.87 -143.66
606	47 56.42	-115 16.98			3522.00	mt 980527.49	980884.77	5.64 -120.13	0.00	-26.15 -141.80
554	47 50.85	-115 17.80			3724.00	mt 980503.88	980876.41	9.35 -127.01	0.00	-22.41 -141.29
605	47 57.39	-115 18.53			3446.00	mt 980534.80	980886.23	4.76 -117.53	0.00	-27.45 -141.37
546	47 52.28	-115 18.92			3684.00	mt 980511.27	980878.55	6.22 -125.65	0.00	-20.93 -141.56
604	47 57.83	-115 20.53			3337.00	mt 980542.09	980886.88	5.51 -113.82	0.00	-31.06 -140.49
545	47 52.85	-115 20.56			3478.00	mt 980523.12	980879.41	7.61 -118.62	0.00	-29.31 -141.48
559	47 51.48	-115 21.36			4213.00	mt 980478.45	980877.35	7.13 -143.69	0.00	-2.83 -140.69
544	47 52.28	-115 23.65			3316.00	mt 980530.34	980878.55	6.66 -113.10	0.00	-36.45 -144.01
560	47 50.34	-115 23.69			5080.00	mt 980426.78	980875.64	6.40 -173.26	0.00	28.69 -139.60
603	47 58.96	-115 23.75			3202.00	mt 980549.62	980888.59	8.13 -109.21	0.00	-37.92 -140.10
616	47 54.47	-115 24.75			4024.00	mt 980496.39	980881.84	10.09 -137.25	0.00	-7.15 -135.57
602	47 58.38	-115 26.47			3370.00	mt 980541.88	980887.71	4.52 -114.94	0.00	-28.99 -140.55
543	47 51.80	-115 26.74			2762.00	mt 980565.67	980877.84	12.76 -94.20	0.00	-52.48 -134.90
599	47 53.73	-115 28.00			3470.00	mt 980533.56	980880.73	8.31 -118.35	0.00	-20.93 -132.13
542	47 51.33	-115 29.25			2572.00	mt 980583.07	980877.13	16.56 -87.72	0.00	-52.23 -124.33
600	47 55.39	-115 29.38			4097.00	mt 980500.43	980883.23	6.32 -139.74	0.00	2.37 -132.32
541	47 50.92	-115 31.42			2491.00	mt 980589.61	980876.52	9.59 -84.96	0.00	-52.69 -128.97
586	47 52.09	-115 35.31			2604.00	mt 980586.48	980878.27	7.25 -88.81	0.00	-46.95 -129.46
510	47 50.23	-115 35.94			2368.00	mt 980595.47	980875.48	2.53 -80.77	0.00	-57.36 -136.47
539	47 51.33	-115 36.68			2364.00	mt 980598.70	980877.13	2.83 -80.63	0.00	-56.15 -134.82

27

Kalispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S			
	LATITUDE deg	min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER di=2.67	
946	47	50.69	-115	37.26	2447.00	mt	980594.02	980876.16	2.24	-83.46	-0.90	-134.18
585	47	52.12	-115	37.83	2419.00	mt	980599.35	980878.32	2.29	-82.51	-0.89	-132.62
584	47	54.15	-115	38.54	2556.00	mt	980596.50	980881.37	2.55	-87.18	-0.93	-130.10
611	47	58.05	-115	39.06	2764.00	mt	980582.56	980887.22	8.18	-94.27	-0.98	-131.86
947	47	51.71	-115	40.43	2343.00	mt	980603.33	980877.70	2.74	-79.91	-0.87	-132.11
610	47	58.41	-115	40.62	2679.00	mt	980586.62	980887.76	8.73	-91.37	-0.96	-132.86
514	47	54.13	-115	40.87	2453.00	mt	980601.69	980881.34	1.96	-83.66	-0.90	-131.61
617	47	56.53	-115	41.78	2380.00	mt	980606.16	980884.94	3.88	-81.17	-0.88	-133.17
511	47	51.70	-115	42.18	2379.00	mt	980602.27	980877.69	2.61	-81.14	-0.88	-131.13
614	48	1.35	-115	42.40	2756.00	mt	980584.31	980892.17	2.90	-94.00	-0.98	-140.82
948	47	50.86	-115	42.56	2506.00	mt	980590.75	980876.43	6.19	-85.47	-0.91	-130.25
515	47	58.04	-115	43.08	2421.00	mt	980605.95	980887.20	2.96	-82.57	-0.89	-134.12
615	48	3.10	-115	43.17	3629.00	mt	980535.85	980894.80	1.38	-123.77	-1.19	-141.35
949	47	50.62	-115	43.87	2725.00	mt	980577.98	980876.06	7.00	-92.94	-0.97	-128.78
517	47	56.52	-115	44.03	2358.00	mt	980605.57	980884.92	3.26	-80.42	-0.87	-135.68
612	47	58.68	-115	44.28	2346.00	mt	980611.33	980888.16	3.68	-80.02	-0.87	-133.46
w11015	47	58.49	-115	45.58	2423.00	mt	980605.09	980887.88	3.67	-82.64	-0.89	-134.83
518	47	52.64	-115	45.65	2351.00	mt	980601.54	980879.09	4.12	-80.19	-0.87	-133.44
516	47	59.74	-115	46.81	2184.00	mt	980619.52	980889.76	4.57	-74.49	-0.82	-135.62
w11036	47	53.42	-115	47.40	2499.00	mt	980590.73	980880.27	14.34	-85.23	-0.91	-126.37
519	47	53.61	-115	49.18	2627.00	mt	980584.59	980880.55	5.05	-89.60	-0.95	-134.46
530	47	58.49	-115	49.51	2541.00	mt	980592.64	980887.88	4.62	-86.67	-0.92	-139.29
w11020	47	55.40	-115	50.91	5022.00	mt	980450.83	980883.23	6.51	-171.29	-1.41	-126.50
534	47	55.41	-115	50.91	5022.00	mt	980450.43	980883.26	3.83	-171.29	-1.41	-129.60
w11034	47	51.71	-115	51.90	5079.00	mt	980444.32	980877.70	6.81	-173.23	-1.42	-123.77
531	47	57.71	-115	51.92	2685.00	mt	980587.53	980886.70	4.81	-91.58	-0.96	-134.46
w11035	47	50.36	-115	52.04	4803.00	mt	980461.04	980875.67	4.46	-163.82	-1.39	-123.86
520	47	53.32	-115	52.06	2918.00	mt	980569.90	980880.12	4.85	-99.52	-1.02	-131.56
w11019	47	55.05	-115	52.42	5190.00	mt	980441.84	980882.72	6.49	-177.02	-1.43	-124.94
w11031	47	53.29	-115	53.07	3225.00	mt	980553.96	980880.08	9.88	-110.00	-1.10	-124.12
521	47	50.80	-115	53.36	5069.00	mt	980445.42	980876.34	2.99	-172.89	-1.42	-125.71
w11016	47	56.96	-115	53.55	4050.00	mt	980512.21	980885.58	5.58	-138.13	-1.27	-126.44
w11033	47	51.44	-115	53.66	3990.00	mt	980507.97	980877.29	10.45	-136.09	-1.26	-121.11
w11032	47	52.15	-115	54.50	3823.00	mt	980518.94	980878.37	11.05	-130.39	-1.23	-120.58
w11029	47	54.16	-115	54.60	4798.00	mt	980465.77	980881.38	8.98	-163.65	-1.39	-120.61
w11018	47	55.38	-115	54.82	4842.00	mt	980464.72	980883.21	7.62	-165.15	-1.39	-122.23
w11030	47	53.70	-115	55.15	4125.00	mt	980504.45	980880.69	11.68	-140.69	-1.28	-118.73
532	47	56.40	-115	55.31	5140.00	mt	980444.96	980884.74	3.99	-175.31	-1.43	-129.34
w11017	47	57.26	-115	55.45	5411.00	mt	980427.79	980886.03	10.62	-184.55	-1.45	-124.98
w11045	47	50.29	-115	55.71	3652.00	mt	980524.29	980875.57	10.32	-124.56	-1.19	-123.37

17

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION		L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
sta-id		LATITUDE	LONGITUDE			ELE	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE
		deg	min	deg	min	(in ft)			(dl=2.67)		AIR
533		47	59.22	-115	56.02	4944.00	mt 980461.88	980888.98	4.97	-168.63	-1.40
w11021		47	54.32	-115	56.27	5343.00	mt 980434.81	980881.62	5.87	-182.23	-1.45
w11025		47	55.47	-115	56.33	3566.00	mt 980536.02	980883.34	14.32	-121.63	-1.17
w11046		47	52.17	-115	56.34	5392.00	mt 980427.21	980878.39	7.20	-183.91	-1.45
w11048		47	51.15	-115	56.39	3773.00	mt 980521.07	980876.86	11.52	-128.69	-1.22
w11047		47	50.19	-115	57.01	4129.00	mt 980501.95	980875.41	5.12	-140.83	-1.28
w11026		47	56.86	-115	57.08	2914.00	mt 980575.93	980885.44	12.11	-99.39	-1.02
w11022		47	53.69	-115	57.27	6065.00	mt 980386.98	980880.67	10.65	-206.86	-1.50
535		47	53.68	-115	57.29	6065.00	mt 980386.67	980880.66	8.11	-206.86	-1.50
w11023		47	54.61	-115	57.86	5879.00	mt 980401.73	980882.05	10.63	-200.52	-1.49
w11050		47	51.21	-115	58.53	3276.00	mt 980553.81	980876.95	6.92	-111.73	-1.11
w11027		47	57.97	-115	58.71	2621.00	mt 980595.13	980887.10	11.68	-89.39	-0.94
w11049		47	50.07	-115	58.91	3073.00	mt 980564.18	980875.23	6.02	-104.81	-1.06
w11024		47	55.26	-115	58.98	5658.00	mt 980416.49	980883.03	8.72	-192.98	-1.47
w11028		47	59.65	-115	59.32	2491.00	mt 980605.97	980889.63	11.65	-84.96	-0.91
kv008		48	6.60	-114	9.48	2897.00	mt 980587.21	980900.05	0.29	-98.81	-1.02
kv001		48	6.16	-114	10.78	2903.00	mt 980582.87	980899.39	0.31	-99.01	-1.02
kv002		48	6.60	-114	10.78	2902.00	mt 980583.58	980900.05	0.29	-98.98	-1.02
kv003		48	7.01	-114	10.79	2899.00	mt 980585.15	980900.66	0.29	-98.88	-1.02
kv004		48	7.46	-114	10.78	2893.00	mt 980587.84	980901.34	0.28	-98.67	-1.02
kv005		48	7.46	-114	10.12	2898.00	mt 980590.35	980901.34	0.28	-98.84	-1.02
kv006		48	7.47	-114	9.47	2901.00	mt 980591.94	980901.35	0.30	-98.94	-1.02
kv007		48	7.25	-114	9.47	2901.00	mt 980591.28	980901.02	0.30	-98.94	-1.02
kv009		48	6.60	-114	8.50	2892.00	mt 980591.27	980900.05	0.33	-98.64	-1.02
kv010		48	6.16	-114	9.49	2895.00	mt 980584.21	980899.39	0.31	-98.74	-1.02
kv011		48	5.72	-114	9.50	2896.00	mt 980581.89	980898.73	0.31	-98.77	-1.02
kv012		48	5.72	-114	10.13	2898.00	mt 980581.64	980898.73	0.32	-98.84	-1.02
kv013		48	5.72	-114	10.79	2897.00	mt 980582.64	980898.73	0.33	-98.81	-1.02
kv014		48	5.73	-114	12.07	2907.00	mt 980587.28	980898.74	0.40	-99.15	-1.02
kv015		48	5.73	-114	12.70	2907.00	mt 980589.84	980898.74	0.46	-99.15	-1.02
kv016		48	6.37	-114	12.70	2912.00	mt 980588.66	980899.71	0.41	-99.32	-1.02
kv017		48	7.03	-114	12.70	2901.00	mt 980586.23	980900.70	0.34	-98.94	-1.02
kv018		48	7.03	-114	12.05	2898.00	mt 980584.78	980900.70	0.31	-98.84	-1.02
kv019		48	7.46	-114	12.05	2906.00	mt 980584.61	980901.34	0.28	-99.12	-1.02
kv020		48	7.88	-114	12.04	2904.00	mt 980584.54	980901.97	0.26	-99.05	-1.02
kv021		48	8.33	-114	12.04	2906.00	mt 980584.76	980902.64	0.25	-99.12	-1.02
kv022		48	8.34	-114	11.42	2901.00	mt 980587.78	980902.66	0.25	-98.94	-1.02
kv023		48	8.35	-114	10.76	2904.00	mt 980592.68	980902.68	0.26	-99.05	-1.02
kv024		48	7.90	-114	10.77	2900.00	mt 980590.30	980902.00	0.27	-98.91	-1.02
kv025		48	7.46	-114	11.44	2910.00	mt 980585.09	980901.34	0.28	-99.25	-1.02

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S (d1=2.67)	SPECIAL AIR	A N O M A L I E S COMPLETE-BOUGUER d1=2.67							
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED				THEORETICAL	TERRAIN BOUGUER	CURV				
KV026	48	7.57	-114	9.47	2898.00	mt	980592.28	980901.51	0.30	-98.84	-1.02	0.00	-36.75	-136.31
KV027	48	7.91	-114	9.47	2899.00	mt	980592.41	980902.02	0.30	-98.88	-1.02	0.00	-37.04	-136.63
KV028	48	8.35	-114	9.47	2896.00	mt	980594.20	980902.68	0.30	-98.77	-1.02	0.00	-36.19	-135.68
KV029	48	8.60	-114	9.46	2896.00	mt	980594.93	980903.05	0.30	-98.77	-1.02	0.00	-35.84	-135.33
KV030	48	8.35	-114	10.10	2904.00	mt	980593.16	980902.68	0.28	-99.05	-1.02	0.00	-36.48	-136.26
KV031	48	8.77	-114	10.76	2903.00	mt	980593.21	980903.30	0.25	-99.01	-1.02	0.00	-37.16	-136.94
KV032	48	8.77	-114	12.36	2901.00	mt	980585.26	980903.30	0.24	-98.94	-1.02	0.00	-45.30	-145.02
KV033	48	9.20	-114	12.04	2902.00	mt	980586.55	980903.95	0.23	-98.98	-1.02	0.00	-44.56	-144.33
KV034	48	9.63	-114	12.04	2897.00	mt	980587.36	980904.59	0.21	-98.81	-1.02	0.00	-44.86	-144.48
KV035	48	8.33	-114	13.33	2895.00	mt	980587.63	980902.64	0.29	-98.74	-1.02	0.00	-42.82	-142.29
KV036	48	8.33	-114	12.67	2907.00	mt	980585.62	980902.64	0.25	-99.15	-1.02	0.00	-43.71	-143.63
KV037	48	7.03	-114	13.35	2910.00	mt	980589.78	980900.70	0.39	-99.25	-1.02	0.00	-37.32	-137.20
KV038	48	7.25	-114	14.00	2911.00	mt	980591.25	980901.02	0.43	-99.29	-1.02	0.00	-36.09	-135.96
KV039	48	7.33	-114	14.65	2908.00	mt	980593.07	980901.15	0.54	-99.18	-1.02	0.00	-34.67	-134.33
KV040	48	6.82	-114	14.65	2911.00	mt	980593.31	980900.38	0.69	-99.29	-1.02	0.00	-33.38	-132.99
KV041	48	6.38	-114	14.65	2909.00	mt	980592.89	980899.72	0.96	-99.22	-1.02	0.00	-33.33	-132.60
KV042	48	5.94	-114	14.65	2922.00	mt	980594.43	980899.06	1.48	-99.66	-1.02	0.00	-29.90	-129.11
KV043	48	5.73	-114	14.18	2915.00	mt	980593.74	980898.74	1.12	-99.42	-1.02	0.00	-30.94	-130.26
KV044	48	5.72	-114	13.36	2913.00	mt	980591.41	980898.73	0.59	-99.35	-1.02	0.00	-33.44	-133.22
KV045	48	4.52	-114	13.37	2909.00	mt	980593.50	980896.93	0.72	-99.22	-1.02	0.00	-29.93	-129.44
KV046	48	5.19	-114	12.68	2908.00	mt	980591.03	980897.94	0.51	-99.18	-1.02	0.00	-33.49	-133.19
KV047	48	9.52	-114	9.00	2899.00	mt	980591.82	980904.44	0.32	-98.88	-1.02	0.00	-40.05	-139.62
KV048	48	5.72	-114	8.84	2897.00	mt	980584.52	980898.73	0.32	-98.81	-1.02	0.00	-41.83	-141.34
KV049	48	5.29	-114	8.84	2891.00	mt	980581.91	980898.09	0.34	-98.60	-1.02	0.00	-44.36	-143.64
KV050	48	5.50	-114	7.87	2901.00	mt	980589.97	980898.41	0.35	-98.94	-1.02	0.00	-35.68	-135.29
KV051	48	5.51	-114	7.22	2900.00	mt	980592.30	980898.41	0.39	-98.91	-1.02	0.00	-33.46	-133.00
KV052	48	5.67	-114	6.34	2968.00	mt	980587.94	980898.66	0.43	-101.23	-1.04	0.00	-31.67	-133.50
KV053	48	8.78	-114	13.33	2902.00	mt	980587.07	980903.32	0.25	-98.98	-1.02	0.00	-43.40	-143.15
KV054	48	8.78	-114	14.63	2905.00	mt	980589.97	980903.32	0.31	-99.08	-1.02	0.00	-40.23	-140.02
KV055	48	8.78	-114	15.88	2902.00	mt	980595.58	980903.32	0.41	-98.98	-1.02	0.00	-34.90	-134.48
KV056	48	9.74	-114	15.91	2908.00	mt	980593.19	980904.76	0.29	-99.18	-1.02	0.00	-38.16	-138.08
KV057	48	9.86	-114	16.57	2916.00	mt	980593.93	980904.94	0.33	-99.46	-1.02	0.00	-36.85	-137.00
KV058	48	9.86	-114	17.21	2926.00	mt	980594.17	980904.94	0.38	-99.80	-1.02	0.00	-35.67	-136.11
KV059	48	9.62	-114	17.26	2929.00	mt	980594.83	980904.58	0.42	-99.90	-1.03	0.00	-34.37	-134.87
KV060	48	9.00	-114	17.20	2918.00	mt	980597.17	980903.65	0.55	-99.52	-1.02	0.00	-32.13	-132.13
KV061	48	8.65	-114	17.02	2915.00	mt	980596.93	980903.13	0.65	-99.42	-1.02	0.00	-32.13	-131.92
KV062	48	8.78	-114	16.56	2905.00	mt	980596.94	980903.32	0.50	-99.08	-1.02	0.00	-33.26	-132.86
KV063	48	8.35	-114	14.63	2998.00	mt	980590.97	980902.68	0.83	-102.25	-1.04	0.00	-29.84	-132.30
KV064	48	8.14	-114	14.63	2901.00	mt	980591.59	980902.37	0.39	-98.94	-1.02	0.00	-38.02	-137.59
KV065	48	7.69	-114	14.66	2901.00	mt	980593.27	980901.69	0.46	-98.94	-1.02	0.00	-35.66	-135.17

Kallispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67
KV066 48	7.03	-114 15.26	2911.00	mt 980595.51	980900.70	0.87	-99.29	-1.02	-130.93
KV067 48	7.48	-114 15.61	2910.00	mt 980595.87	980901.38	0.92	-99.25	-1.02	-131.26
KV069 48	7.85	-114 15.95	2916.00	mt 980595.44	980901.92	0.69	-99.46	-1.02	-132.11
KV071 48	8.12	-114 16.90	2914.00	mt 980596.70	980902.33	1.03	-99.39	-1.02	-131.03
KV072 48	8.35	-114 16.90	2915.00	mt 980596.73	980902.68	0.78	-99.42	-1.02	-131.54
KV073 48	8.35	-114 18.16	3025.00	mt 980592.73	980902.68	1.32	-103.17	-1.05	-128.44
KV074 48	8.09	-114 18.01	3063.00	mt 980591.00	980902.28	1.55	-104.47	-1.06	-127.29
KV075 48	7.79	-114 17.95	3098.00	mt 980588.10	980901.84	1.22	-105.66	-1.07	-127.98
KV076 48	7.69	-114 19.03	3175.00	mt 980583.77	980901.69	2.23	-108.29	-1.09	-126.55
KV077 48	7.25	-114 19.52	3407.00	mt 980569.96	980901.02	2.12	-116.20	-1.14	-125.97
KV078 48	6.41	-114 19.55	3538.00	mt 980561.43	980899.77	2.72	-120.67	-1.17	-124.83
KV079 48	9.22	-114 18.50	2932.00	mt 980598.76	980903.98	1.20	-100.00	-1.03	-129.39
KV080 48	10.30	-114 18.52	2936.00	mt 980598.11	980905.60	0.58	-100.14	-1.03	-132.04
KV081 48	9.86	-114 18.50	2917.00	mt 980599.51	980904.94	1.16	-99.49	-1.02	-130.53
KV082 48	9.65	-114 18.50	2926.00	mt 980599.50	980904.63	1.15	-99.80	-1.02	-129.70
KV083 48	9.60	-114 18.23	2934.00	mt 980599.61	980904.55	0.84	-100.07	-1.03	-129.35
KV084 48	8.23	-114 19.40	3286.00	mt 980579.27	980902.50	1.90	-112.08	-1.11	-125.57
KV085 48	8.70	-114 20.03	3310.00	mt 980579.27	980903.20	1.48	-112.89	-1.12	-125.26
KV086 48	8.99	-114 20.45	3315.00	mt 980579.47	980903.63	1.27	-113.07	-1.12	-125.42
KV087 48	8.98	-114 21.07	3352.00	mt 980577.98	980903.63	1.02	-114.33	-1.13	-125.93
KV088 48	8.77	-114 21.07	3389.00	mt 980575.00	980903.30	1.15	-115.59	-1.14	-125.26
KV089 48	9.12	-114 21.08	3324.00	mt 980579.15	980903.83	1.16	-113.37	-1.12	-125.50
KV090 48	9.35	-114 21.08	3325.00	mt 980579.61	980904.17	0.93	-113.41	-1.12	-125.56
KV091 48	9.52	-114 21.07	3311.00	mt 980579.86	980904.44	0.85	-112.93	-1.12	-126.48
KV092 48	10.37	-114 20.33	3575.00	mt 980563.83	980905.70	1.10	-121.93	-1.18	-127.78
KV093 48	10.22	-114 21.67	3305.00	mt 980581.74	980905.48	0.58	-112.72	-1.12	-126.27
KV094 48	11.14	-114 21.24	2998.00	mt 980600.59	980906.87	1.06	-102.25	-1.04	-126.63
KV095 48	11.15	-114 20.38	2943.00	mt 980602.03	980906.88	1.07	-100.38	-1.03	-128.48
KV096 48	11.15	-114 20.01	2946.00	mt 980599.89	980906.88	0.84	-100.48	-1.03	-130.67
KV097 48	10.95	-114 19.14	2926.00	mt 980598.86	980906.58	0.74	-99.80	-1.02	-132.70
KV098 48	11.36	-114 9.47	2960.00	mt 980581.13	980907.19	0.34	-100.96	-1.03	-149.41
KV099 48	10.91	-114 9.48	2913.00	mt 980586.66	980906.52	0.32	-99.35	-1.02	-146.03
KV100 48	10.49	-114 9.49	2901.00	mt 980587.74	980905.88	0.31	-98.94	-1.02	-145.05
KV101 48	10.11	-114 9.81	2903.00	mt 980589.16	980905.31	0.28	-99.01	-1.02	-142.97
KV102 48	10.06	-114 9.16	2898.00	mt 980587.53	980905.24	0.32	-98.84	-1.02	-144.78
KV103 48	10.49	-114 10.13	2904.00	mt 980588.79	980905.88	0.26	-99.05	-1.02	-143.87
KV104 48	10.93	-114 10.57	2951.00	mt 980582.48	980906.55	0.34	-100.65	-1.03	-147.95
KV105 48	11.36	-114 10.78	2941.00	mt 980582.43	980907.19	0.29	-100.31	-1.03	-149.30
KV106 48	11.80	-114 10.78	2963.00	mt 980580.88	980907.85	0.31	-101.06	-1.03	-150.17
KV107 48	11.80	-114 11.44	2964.00	mt 980580.86	980907.85	0.32	-101.09	-1.03	-150.13

h

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
sta-ld	lat deg	lon deg	lat min	lon min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER dl=2.67
KV108	48	11.80	-114	12.03	2963.00	mt 980580.59	980907.85	0.28	-101.06	-1.03	-150.49
KV109	48	11.15	-114	12.04	2959.00	mt 980580.47	980906.88	0.31	-100.92	-1.03	-149.85
KV110	48	10.72	-114	12.04	2952.00	mt 980580.93	980906.23	0.26	-100.68	-1.03	-149.21
KV111	48	10.07	-114	12.04	2901.00	mt 980583.57	980905.25	0.20	-98.94	-1.02	-148.70
KV112	48	9.64	-114	11.41	2898.00	mt 980586.09	980904.62	0.22	-98.84	-1.02	-145.69
KV113	48	10.49	-114	11.44	2899.00	mt 980585.02	980905.88	0.21	-98.88	-1.02	-147.98
KV114	48	10.68	-114	12.77	2953.00	mt 980580.20	980906.17	0.26	-100.72	-1.03	-149.82
KV115	48	11.15	-114	13.34	2956.00	mt 980580.75	980906.88	0.30	-100.82	-1.03	-149.76
KV116	48	10.51	-114	13.66	2907.00	mt 980581.31	980905.92	0.17	-99.15	-1.02	-151.29
KV117	48	10.07	-114	13.67	2902.00	mt 980581.36	980905.25	0.19	-98.98	-1.02	-150.86
KV118	48	9.22	-114	14.63	2901.00	mt 980586.78	980903.98	0.28	-98.94	-1.02	-144.13
KV119	48	10.09	-114	14.99	2902.00	mt 980585.26	980905.29	0.23	-98.98	-1.02	-146.95
KV120	48	10.08	-114	14.30	2909.00	mt 980582.43	980905.27	0.21	-99.22	-1.02	-149.37
KV121	48	10.51	-114	14.30	2907.00	mt 980582.08	980905.92	0.17	-99.15	-1.02	-150.52
KV122	48	11.62	-114	14.93	2908.00	mt 980583.76	980907.59	0.16	-99.18	-1.02	-150.46
KV123	48	12.05	-114	14.95	2906.00	mt 980584.32	980908.23	0.23	-99.12	-1.02	-150.59
KV124	48	12.02	-114	13.87	2924.00	mt 980584.31	980908.18	0.17	-99.73	-1.02	-149.54
KV125	48	11.80	-114	9.49	2966.00	mt 980578.60	980907.85	0.33	-101.16	-1.03	-152.25
KV126	48	11.80	-114	10.13	2961.00	mt 980579.84	980907.85	0.34	-100.99	-1.03	-151.30
KV127	48	12.23	-114	10.13	2972.00	mt 980578.24	980908.49	0.34	-101.37	-1.04	-152.89
KV128	48	11.15	-114	12.68	2961.00	mt 980580.16	980906.88	0.32	-100.99	-1.03	-150.03
KV129	48	11.80	-114	13.33	2937.00	mt 980582.91	980907.85	0.15	-100.17	-1.03	-149.85
KV130	48	11.80	-114	12.68	2945.00	mt 980582.24	980907.85	0.22	-100.45	-1.03	-149.98
KV131	48	12.23	-114	12.04	2922.00	mt 980583.87	980908.49	0.18	-99.66	-1.02	-150.41
KV132	48	12.67	-114	12.03	2934.00	mt 980583.20	980909.16	0.19	-100.07	-1.03	-151.01
KV133	48	12.67	-114	11.44	2925.00	mt 980582.39	980909.16	0.19	-99.76	-1.02	-152.36
KV134	48	12.67	-114	10.70	2974.00	mt 980577.68	980909.16	0.30	-101.43	-1.04	-154.03
KV135	48	12.67	-114	10.08	2974.00	mt 980576.55	980909.16	0.31	-101.43	-1.04	-155.16
KV136	48	12.67	-114	9.49	2973.00	mt 980575.56	980909.16	0.33	-101.40	-1.04	-156.18
KV137	48	12.23	-114	9.48	2970.00	mt 980576.79	980908.49	0.34	-101.30	-1.04	-154.46
KV138	48	13.10	-114	9.49	2976.00	mt 980574.56	980909.80	0.33	-101.50	-1.04	-157.65
KV139	48	13.54	-114	9.49	2980.00	mt 980574.36	980910.46	0.32	-101.64	-1.04	-158.28
KV140	48	13.56	-114	10.04	2977.00	mt 980574.28	980910.49	0.27	-101.54	-1.04	-158.62
KV141	48	13.55	-114	11.12	2965.00	mt 980576.56	980910.47	0.21	-101.13	-1.03	-157.10
KV142	48	12.62	-114	15.32	2929.00	mt 980583.08	980909.08	0.24	-99.90	-1.03	-151.30
KV143	48	11.82	-114	15.27	2905.00	mt 980583.74	980907.88	0.18	-99.08	-1.02	-150.93
KV144	48	12.67	-114	13.72	2932.00	mt 980583.65	980909.16	0.20	-100.00	-1.03	-150.67
KV145	48	12.67	-114	12.67	2928.00	mt 980583.74	980909.16	0.16	-99.87	-1.03	-150.86
KV146	48	13.04	-114	13.34	2933.00	mt 980583.59	980909.71	0.20	-100.04	-1.03	-151.22
KV147	48	13.26	-114	12.03	2933.00	mt 980580.82	980910.04	0.17	-100.04	-1.03	-154.35

45

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y ST OBSERVED	C O R R E C T I O N S		SPECIAL	A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min			TERRAIN BOUGUER CURV (d1=2.67)	FREE AIR		COMPLETE-BOUGUER d1=2.67	
KV148	48	12.67	-114	8.84	2969.00	mt 980575.42	980909.16	0.40 -101.26	0.00	-54.59	-156.49
KV149	48	12.67	-114	8.18	2966.00	mt 980576.10	980909.16	0.55 -101.16	0.00	-54.19	-155.84
KV150	48	12.23	-114	8.18	2959.00	mt 980576.92	980908.49	0.54 -100.92	0.00	-53.37	-154.79
KV151	48	11.36	-114	8.83	2954.00	mt 980579.51	980907.19	0.37 -100.75	0.00	-49.95	-151.36
KV152	48	11.37	-114	8.17	2954.00	mt 980580.35	980907.20	0.50 -100.75	0.00	-49.12	-150.40
KV153	48	10.49	-114	7.86	2898.00	mt 980585.30	980905.88	0.54 -98.84	0.00	-48.12	-147.44
KV154	48	9.20	-114	8.20	2906.00	mt 980589.19	980903.95	0.37 -99.12	0.00	-41.54	-141.31
KV155	48	8.77	-114	8.20	2899.00	mt 980590.50	980903.30	0.37 -98.88	0.00	-40.24	-139.77
KV156	48	8.13	-114	8.20	2898.00	mt 980589.03	980902.34	0.37 -98.84	0.00	-40.85	-140.34
KV157	48	7.91	-114	8.20	2900.00	mt 980589.19	980902.02	0.36 -98.91	0.00	-40.17	-139.74
KV158	48	7.48	-114	6.89	2898.00	mt 980588.61	980901.38	0.47 -98.84	0.00	-40.29	-139.68
KV159	48	7.70	-114	6.23	2955.00	mt 980582.54	980901.70	0.50 -100.79	0.00	-41.34	-142.65
KV160	48	7.49	-114	5.66	2970.00	mt 980580.91	980901.38	0.56 -101.30	0.00	-41.23	-143.01
KV161	48	7.70	-114	5.65	2986.00	mt 980579.97	980901.70	0.54 -101.84	0.00	-40.99	-143.33
KV162	48	8.36	-114	6.04	3038.00	mt 980576.54	980902.69	0.57 -103.62	0.00	-40.52	-144.62
KV163	48	9.21	-114	6.90	2944.00	mt 980582.76	980903.97	0.52 -100.41	0.00	-44.42	-145.34
KV164	48	13.98	-114	11.75	2972.00	mt 980575.45	980911.12	0.17 -101.37	0.00	-56.24	-158.47
KV165	48	14.41	-114	11.77	2984.00	mt 980573.88	980911.77	0.15 -101.78	0.00	-57.33	-160.00
KV166	48	14.41	-114	12.43	3006.00	mt 980574.76	980911.77	0.12 -102.53	0.00	-54.39	-157.84
KV167	48	14.84	-114	11.76	2982.00	mt 980573.60	980912.41	0.15 -101.71	0.00	-58.44	-161.04
KV168	48	14.85	-114	11.12	2980.00	mt 980573.61	980912.42	0.17 -101.64	0.00	-58.64	-161.15
KV169	48	14.42	-114	11.12	2984.00	mt 980573.70	980911.77	0.20 -101.78	0.00	-57.53	-160.14
KV170	48	13.99	-114	11.12	2971.00	mt 980575.55	980911.14	0.21 -101.33	0.00	-56.26	-158.42
KV172	48	14.41	-114	9.82	2992.00	mt 980573.00	980911.77	0.27 -102.05	0.00	-57.46	-160.28
KV173	48	14.41	-114	9.19	3004.00	mt 980572.83	980911.77	0.35 -102.46	0.00	-56.50	-159.66
KV174	48	14.84	-114	9.82	3000.00	mt 980573.30	980912.41	0.26 -102.32	0.00	-57.06	-160.16
KV175	48	15.07	-114	9.81	3034.00	mt 980571.44	980912.76	0.25 -103.48	0.00	-56.07	-160.35
KV176	48	15.07	-114	9.17	3020.00	mt 980572.59	980912.76	0.31 -103.00	0.00	-56.22	-159.97
KV177	48	15.07	-114	8.52	3038.00	mt 980572.70	980912.76	0.41 -103.62	0.00	-54.42	-158.68
KV178	48	14.90	-114	8.20	3013.00	mt 980574.20	980912.50	0.49 -102.76	0.00	-55.02	-158.34
KV179	48	14.41	-114	7.87	3075.00	mt 980569.82	980911.77	0.89 -104.88	0.00	-52.84	-157.89
KV180	48	13.97	-114	7.87	3057.00	mt 980570.63	980911.10	0.76 -104.27	0.00	-53.06	-157.62
KV171	48	13.97	-114	9.83	2983.00	mt 980574.06	980911.10	0.29 -101.74	0.00	-56.58	-159.07
KV181	48	12.67	-114	17.17	2918.00	mt 980588.29	980909.16	0.36 -99.52	0.00	-46.52	-146.70
KV182	48	12.27	-114	17.93	2942.00	mt 980588.96	980908.55	0.32 -100.34	0.00	-42.99	-144.04
KV183	48	11.98	-114	18.70	2955.00	mt 980590.28	980908.13	0.26 -100.79	0.00	-40.01	-141.57
KV184	48	12.04	-114	19.73	2958.00	mt 980593.08	980908.21	0.31 -100.89	0.00	-37.02	-138.64
KV185	48	11.81	-114	20.41	2964.00	mt 980594.42	980907.86	0.43 -101.09	0.00	-34.77	-136.47
KV186	48	11.83	-114	21.28	3084.00	mt 980588.52	980907.90	0.29 -105.19	0.00	-29.42	-135.38
KV187	48	11.83	-114	22.34	3042.00	mt 980593.24	980907.90	0.60 -103.75	0.00	-28.65	-132.86

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S					
sta-id	LATITUDE deg	LONGITUDE deg	min	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER d1=2.67				
KV188	48	11.38	-114	22.37	3058.00	mt	980594.17	980907.23	1.06	-104.30	-1.06	0.00	-25.54	-129.84
KV189	48	11.33	-114	21.70	3046.00	mt	980593.81	980907.14	0.69	-103.89	-1.05	0.00	-26.95	-131.21
KV190	48	11.20	-114	18.50	2938.00	mt	980592.17	980906.95	0.37	-100.21	-1.03	0.00	-38.55	-139.41
KV191	48	10.90	-114	17.92	2932.00	mt	980589.82	980906.50	0.42	-100.00	-1.03	0.00	-41.02	-141.62
KV192	48	10.95	-114	17.21	2939.00	mt	980587.46	980906.58	0.24	-100.24	-1.03	0.00	-42.79	-143.82
KV193	48	11.60	-114	17.38	2909.00	mt	980589.40	980907.55	0.50	-99.22	-1.02	0.00	-44.65	-144.39
KV194	48	11.87	-114	17.22	2909.00	mt	980588.86	980907.95	0.44	-99.22	-1.02	0.00	-45.59	-145.39
KV195	48	12.02	-114	17.51	2908.00	mt	980589.88	980908.18	0.44	-99.18	-1.02	0.00	-44.89	-144.65
KV196	48	12.47	-114	16.43	2908.00	mt	980585.55	980908.85	0.20	-99.18	-1.02	0.00	-49.90	-149.90
KV197	48	12.52	-114	15.93	2914.00	mt	980583.93	980908.93	0.23	-99.39	-1.02	0.00	-51.03	-151.21
KV198	48	13.13	-114	15.98	2918.00	mt	980583.66	980909.84	0.18	-99.52	-1.02	0.00	-51.83	-152.20
KV199	48	13.45	-114	15.25	2920.00	mt	980583.34	980910.33	0.19	-99.59	-1.02	0.00	-52.44	-152.87
KV200	48	13.26	-114	14.40	2990.00	mt	980578.77	980910.04	0.08	-101.98	-1.04	0.00	-50.15	-153.09
KV201	48	13.54	-114	8.19	3058.00	mt	980569.21	980910.46	0.64	-104.30	-1.06	0.00	-53.74	-158.46
KV202	48	13.54	-114	7.87	3064.00	mt	980569.09	980910.46	0.80	-104.50	-1.06	0.00	-53.29	-158.06
KV203	48	14.42	-114	7.40	3081.00	mt	980569.30	980911.77	1.08	-105.08	-1.06	0.00	-52.81	-157.88
KV204	48	13.54	-114	6.88	3044.00	mt	980571.24	980910.46	1.07	-103.82	-1.05	0.00	-53.03	-156.83
KV205	48	13.10	-114	6.88	3036.00	mt	980570.46	980909.80	0.99	-103.55	-1.05	0.00	-53.90	-157.51
KV206	48	12.68	-114	6.88	3018.00	mt	980571.24	980909.16	0.89	-102.94	-1.05	0.00	-54.18	-157.27
KV207	48	12.68	-114	6.23	3016.00	mt	980572.11	980909.16	1.19	-102.87	-1.05	0.00	-53.50	-156.22
KV208	48	12.38	-114	5.38	3007.00	mt	980575.42	980908.72	1.73	-102.56	-1.04	0.00	-50.59	-152.46
KV209	48	12.23	-114	4.46	3114.00	mt	980573.42	980908.49	2.77	-106.21	-1.07	0.00	-42.30	-146.81
KV210	48	12.90	-114	4.62	3198.00	mt	980573.42	980909.50	3.21	-109.07	-1.09	0.00	-35.41	-142.37
KV211	48	13.54	-114	5.27	3176.00	mt	980569.86	980910.46	2.87	-108.32	-1.09	0.00	-42.00	-148.54
KV212	48	13.54	-114	6.12	3056.00	mt	980572.32	980910.46	1.63	-104.23	-1.06	0.00	-50.82	-154.48
KV213	48	14.10	-114	6.34	3014.00	mt	980576.03	980911.30	1.67	-102.80	-1.05	0.00	-51.90	-154.07
KV214	48	5.72	-114	5.29	3048.00	mt	980586.02	980898.73	0.54	-103.96	-1.06	0.00	-26.14	-130.61
KV215	48	5.74	-114	4.30	3045.00	mt	980587.50	980898.77	0.64	-103.86	-1.05	0.00	-24.97	-129.24
KV216	48	5.74	-114	3.64	3064.00	mt	980584.05	980898.77	0.84	-104.50	-1.06	0.00	-26.64	-131.36
KV217	48	5.74	-114	1.69	3057.00	mt	980573.07	980898.77	1.04	-104.27	-1.06	0.00	-38.28	-142.56
KV218	48	6.14	-114	1.70	3053.00	mt	980570.39	980899.36	1.09	-104.13	-1.06	0.00	-41.93	-146.03
KV219	48	6.61	-114	1.70	3056.00	mt	980568.32	980900.07	1.22	-104.23	-1.06	0.00	-44.42	-148.49
KV220	48	6.62	-114	2.36	3043.00	mt	980573.47	980900.08	1.07	-103.79	-1.05	0.00	-40.51	-144.28
KV221	48	6.62	-114	3.00	3049.00	mt	980579.66	980900.08	1.00	-103.99	-1.06	0.00	-33.75	-137.90
KV222	48	7.05	-114	4.10	3077.00	mt	980583.73	980900.73	0.97	-104.95	-1.06	0.00	-27.70	-132.74
KV223	48	7.34	-114	4.61	3089.00	mt	980582.76	980901.16	1.04	-105.36	-1.07	0.00	-27.98	-133.36
KV224	48	4.87	-114	5.54	3023.00	mt	980588.84	980897.46	0.51	-103.11	-1.05	0.00	-24.39	-128.04
KV226	48	4.00	-114	6.17	2897.00	mt	980596.60	980896.15	0.50	-98.81	-1.02	0.00	-27.17	-126.50
KV227	48	4.00	-114	6.79	2896.00	mt	980594.37	980896.15	0.43	-98.77	-1.02	0.00	-29.50	-128.86
KV228	48	4.01	-114	5.53	2931.00	mt	980592.68	980896.16	0.56	-99.97	-1.03	0.00	-27.91	-128.35

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		SPECIAL FREE AIR	A N O M A L I E S COMPLETE-BOUGUER di=2.67				
	LATITUDE		LONGITUDE		ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)						
	deg	min	deg	min										
kV229 48	4.32	-114	5.53		2961.00	mt	980592.82	980896.63	0.53	-100.99	-1.03	0.00	-25.42	-126.91
kV230 48	4.52	-114	5.63		3066.00	mt	980586.89	980896.93	0.74	-104.57	-1.06	0.00	-21.78	-126.67
kV231 48	6.17	-114	4.91		3049.00	mt	980584.81	980899.40	0.62	-103.99	-1.06	0.00	-27.93	-132.36
kV232 48	6.62	-114	4.90		3066.00	mt	980584.09	980900.08	0.77	-104.57	-1.06	0.00	-27.72	-132.59
kV233 48	6.18	-114	5.57		3041.00	mt	980586.20	980899.42	0.53	-103.72	-1.05	0.00	-27.30	-131.55
kV234 48	6.40	-114	6.67		2948.00	mt	980594.69	980899.75	0.53	-100.55	-1.03	0.00	-27.89	-128.94
kV235 48	6.76	-114	6.68		2930.00	mt	980596.19	980900.30	0.46	-99.93	-1.03	0.00	-28.63	-129.13
kV236 48	6.40	-114	5.57		3019.00	mt	980587.35	980899.75	0.48	-102.97	-1.05	0.00	-28.56	-132.09
kV238 48	9.01	-114	6.56		2955.00	mt	980591.37	980903.67	0.54	-100.79	-1.03	0.00	-34.47	-135.75
kV239 48	9.68	-114	7.97		2944.00	mt	980593.75	980904.66	0.46	-100.41	-1.03	0.00	-34.13	-135.11
kV240 48	10.93	-114	8.18		2906.00	mt	980594.23	980906.55	0.56	-99.12	-1.02	0.00	-39.09	-138.67
kV237 48	6.82	-114	5.58		3061.00	mt	980583.01	980900.38	0.66	-104.40	-1.06	0.00	-29.58	-134.38
kV241 48	9.97	-114	6.56		2962.00	mt	980587.57	980905.11	0.64	-101.03	-1.03	0.00	-39.05	-140.47
kV242 48	10.15	-114	5.08		3079.00	mt	980573.83	980905.38	1.18	-105.02	-1.06	0.00	-42.07	-146.96
kV243 48	11.50	-114	6.66		2945.00	mt	980582.07	980907.41	0.85	-100.45	-1.03	0.00	-48.44	-149.07
kV244 48	11.32	-114	7.21		2927.00	mt	980581.59	980907.13	0.72	-99.83	-1.02	0.00	-50.34	-150.48
kV245 48	11.81	-114	4.28		3193.00	mt	980571.10	980907.86	2.32	-108.90	-1.09	0.00	-36.56	-144.24
kV246 48	11.11	-114	3.03		3267.00	mt	980566.39	980906.82	3.20	-111.43	-1.11	0.00	-33.27	-142.61
kV247 48	10.55	-114	3.03		3220.00	mt	980566.47	980905.98	1.95	-109.82	-1.10	0.00	-36.77	-145.74
kV248 48	10.60	-114	1.73		3375.00	mt	980561.08	980906.05	2.66	-115.11	-1.13	0.00	-27.67	-141.25
kV249 48	10.01	-114	1.61		3237.00	mt	980566.49	980905.16	2.43	-110.40	-1.10	0.00	-34.34	-143.41
kV250 48	9.23	-114	0.44		3155.00	mt	980569.85	980903.99	3.01	-107.61	-1.08	0.00	-37.52	-143.20
kV251 48	8.78	-114	0.43		3111.00	mt	980567.09	980903.32	2.78	-106.11	-1.07	0.00	-43.74	-148.13
kV252 48	8.17	-114	0.44		3078.00	mt	980562.70	980902.41	2.43	-104.98	-1.06	0.00	-50.31	-153.93
kV253 48	10.07	-114	10.79		2890.00	mt	980587.47	980905.25	0.24	-98.57	-1.02	0.00	-46.07	-145.42
kV254 48	11.17	-114	13.99		2906.00	mt	980584.16	980906.91	0.16	-99.12	-1.02	0.00	-49.52	-149.50
kV255 48	12.47	-114	14.95		2912.00	mt	980584.29	980908.85	0.30	-99.32	-1.02	0.00	-50.78	-150.82
kV256 48	13.10	-114	10.13		2976.00	mt	980575.86	980909.80	0.31	-101.50	-1.04	0.00	-54.14	-156.37
kV257 48	9.01	-114	5.80		3047.00	mt	980584.17	980903.67	0.65	-103.92	-1.05	0.00	-33.02	-137.35
kV258 48	8.99	-114	4.80		3041.00	mt	980581.06	980903.63	0.80	-103.72	-1.05	0.00	-36.66	-140.64
kV259 48	8.62	-114	3.89		3132.00	mt	980571.84	980903.09	1.78	-106.82	-1.08	0.00	-36.77	-142.89
kV260 48	8.87	-114	2.84		3047.00	mt	980572.56	980903.45	1.40	-103.92	-1.05	0.00	-44.42	-148.00
kV261 48	8.35	-114	2.43		3061.00	mt	980568.82	980902.68	1.37	-104.40	-1.06	0.00	-46.07	-150.16
kV262 48	7.82	-114	2.06		3030.00	mt	980568.05	980901.88	1.33	-103.34	-1.05	0.00	-48.96	-152.02
kV263 48	7.57	-114	1.40		3076.00	mt	980562.41	980901.51	1.72	-104.91	-1.06	0.00	-49.89	-154.15
kV246 48	6.60	-114	0.41		3042.00	mt	980564.61	980900.05	1.71	-103.75	-1.05	0.00	-49.44	-152.53
kV265 48	7.03	-114	0.41		3059.00	mt	980563.03	980900.70	1.85	-104.33	-1.06	0.00	-50.06	-153.60
kV266 48	7.46	-114	0.43		3069.00	mt	980562.39	980901.34	2.00	-104.67	-1.06	0.00	-50.41	-154.14
kV267 48	5.73	-114	0.41		3027.00	mt	980569.30	980898.74	1.53	-103.24	-1.05	0.00	-44.85	-147.61
kV268 48	5.74	-114	2.99		3059.00	mt	980580.01	980898.77	0.85	-104.33	-1.06	0.00	-31.15	-135.69

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y		C O R R E C T I O N S TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	A N O M A L I E S	
	deg	min	deg	min		ST OBSERVED	THEORETICAL			FREE AIR	COMPLETE-BOUGUER d1=2.67
kv269 48	5.30	-114	2.98		3064.00	mt	980583.34	980898.09	0.00	-26.68	-131.38
kv270 48	5.30	-114	2.33		3064.00	mt	980580.77	980898.09	0.00	-29.25	-133.78
kv271 48	5.30	-114	1.67		3060.00	mt	980577.06	980898.09	0.00	-33.34	-137.71
kv272 48	3.90	-114	4.88		2971.00	mt	980589.95	980896.00	0.00	-26.71	-128.40
kv273 48	3.42	-114	1.70		3018.00	mt	980584.05	980895.28	0.00	-27.48	-128.08
kv274 48	3.98	-114	1.36		3045.00	mt	980582.53	980896.12	0.00	-27.30	-130.53
kv275 48	4.87	-114	1.67		3057.00	mt	980579.61	980897.46	0.00	-30.43	-134.59
kv276 48	3.98	-114	0.37		3037.00	mt	980575.47	980896.12	0.00	-35.11	-138.32
kv277 48	3.11	-114	0.68		3059.00	mt	980579.45	980894.81	0.00	-27.76	-131.53
kv278 48	4.87	-114	4.24		3167.00	mt	980580.05	980897.46	0.00	-19.65	-126.72
kv279 48	8.36	-114	15.92		2910.00	mt	980600.73	980902.69	0.00	-28.36	-128.14
kv280 48	5.39	-114	3.92		3338.00	mt	980567.80	980898.23	0.00	-16.61	-126.40
kv281 48	4.87	-114	6.53		2900.00	mt	980597.81	980897.46	0.00	-26.98	-126.43
kv225 48	4.21	-114	6.50		2896.00	mt	980596.29	980896.47	0.00	-27.89	-127.21
kv282 48	11.81	-114	6.89		2946.00	mt	980577.45	980907.86	0.00	-53.43	-154.10
kv283 48	11.60	-114	7.22		2932.00	mt	980579.34	980907.55	0.00	-52.54	-152.81
cc 001 48	23.50	-115	33.27		2080.00	mt	980651.40	980925.40	0.00	-78.42	-147.22
cc002 47	58.74	-115	33.35		2085.00	mt	980651.40	980925.16	0.00	-77.71	-146.38
cc003 48	3.36	-115	44.30		2346.00	mt	980611.09	980888.26	0.00	-56.58	-133.50
cc004 48	2.50	-115	37.44		5140.00	mt	980443.57	980895.19	0.00	31.57	-133.07
cc005 48	2.50	-115	37.30		4715.00	mt	980469.93	980893.90	0.00	19.28	-123.71
cc006 48	3.04	-115	37.86		3900.00	mt	980511.56	980894.71	0.00	-16.49	-125.48
cc007 48	2.77	-115	38.55		3820.00	mt	980517.53	980894.30	0.00	-17.64	-133.84
cc008 48	2.64	-115	38.87		3790.00	mt	980521.07	980894.11	0.00	-16.73	-132.98
cc009 48	2.55	-115	38.98		3675.00	mt	980525.27	980893.98	0.00	-23.20	-132.53
cc010 48	2.53	-115	39.68		3393.00	mt	980533.45	980893.95	0.00	-41.49	-134.03
cc011 48	2.55	-115	40.26		3344.00	mt	980543.66	980893.98	0.00	-35.92	-130.74
cc012 48	2.43	-115	40.60		3277.00	mt	980548.07	980893.79	0.00	-37.63	-133.09
cc013 48	2.17	-115	41.16		3115.00	mt	980560.65	980893.41	0.00	-39.89	-132.15
cc014 48	1.83	-115	41.98		2933.00	mt	980575.76	980892.89	0.00	-41.37	-132.31
cc015 48	2.40	-115	42.40		3313.00	mt	980553.38	980893.75	0.00	-28.89	-131.93
cc016 48	3.00	-115	42.60		3542.00	mt	980538.80	980894.65	0.00	-22.85	-132.00
cc017 48	3.13	-115	43.18		3629.00	mt	980535.72	980894.84	0.00	-17.94	-131.59
cc018 48	3.54	-115	43.34		3801.00	mt	980522.97	980895.46	0.00	-15.14	-134.37
cc019 48	3.63	-115	42.60		4688.00	mt	980473.52	980895.59	0.00	18.64	-133.82
cc020 48	3.68	-115	42.20		5338.00	mt	980433.01	980895.66	0.00	39.13	-134.18
cc021 48	3.45	-115	41.63		5744.00	mt	980404.92	980895.32	0.00	49.54	-135.91
cc022 48	1.36	-115	42.00		2756.00	mt	980584.06	980892.19	0.00	-49.00	-125.84
cc023 47	0.48	-115	42.00		2636.00	mt	980590.94	980890.87	0.00	-52.09	-133.74
cc024 47	59.55	-115	41.85		2527.00	mt	980598.21	980889.47	0.00	-53.66	-133.72

64

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L U C A T I O N S LATITUDE deg	LONGITUDE min	ELE (in ft)	G R A V I T Y ST OBSERVED	T H E O R E T I C A L	C O R R E C T I O N S TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	A N O M A L I E S FREE COMPLETE-BOUGUER d1=2.67
CC002	47	58.70	-115 44.30	2346.00	mt 980611.01	980888.19	3.99	-80.02 -0.87
CC024	48	25.00	-115 42.95	6876.00	mt 980341.62	980927.64	36.95	-234.52 -1.52
CC025	48	21.74	-115 45.09	7560.00	mt 980300.84	980922.75	32.15	-257.85 -1.50
CC026	48	18.84	-115 41.89	6540.00	mt 980378.86	980918.41	16.81	-223.06 -1.51
CC027	48	16.53	-115 44.13	7041.00	mt 980332.86	980914.95	22.14	-240.15 -1.52
CC028	48	15.93	-115 41.73	6438.00	mt 980363.27	980914.05	28.29	-219.58 -1.51
CC029	48	13.43	-115 43.44	7305.00	mt 980304.20	980910.29	35.02	-249.15 -1.51
CC030	48	11.58	-115 40.95	7471.00	mt 980295.43	980907.52	28.25	-254.81 -1.50
CC031	48	9.20	-115 39.84	6844.00	mt 980336.60	980903.95	26.87	-233.43 -1.52
CC032	48	4.67	-115 38.29	7025.00	mt 980325.03	980897.15	20.98	-239.60 -1.52
CC033	48	4.06	-115 39.23	7583.00	mt 980269.94	980896.24	39.84	-258.63 -1.50
CC034	48	4.75	-115 40.52	7714.00	mt 980255.68	980897.28	49.75	-263.10 -1.49
CC035	48	3.75	-115 41.10	6612.00	mt 980348.17	980895.77	22.35	-225.52 -1.52
CC036	48	5.50	-115 41.50	6680.00	mt 980343.71	980898.41	24.95	-227.84 -1.52
CC037	48	2.48	-115 35.98	7508.00	mt 980279.85	980893.87	35.39	-256.08 -1.50
CC038	47	58.92	-115 32.23	6404.00	mt 980357.79	980888.52	18.71	-218.42 -1.51
CC039	47	59.92	-115 35.62	6889.00	mt 980321.25	980890.03	27.70	-234.96 -1.52
CC040	48	1.86	-115 33.78	6650.00	mt 980343.96	980892.94	24.77	-226.81 -1.52
CC041	48	2.82	-115 35.14	6635.00	mt 980345.40	980894.38	26.12	-226.30 -1.52
CC042	48	3.75	-115 36.24	7205.00	mt 980293.32	980895.77	32.68	-225.74 -1.51
CC043	48	5.27	-115 39.48	4715.00	mt 980469.78	980898.05	12.79	-160.82 -1.37
CC044	48	5.88	-115 38.34	6790.00	mt 980341.79	980898.97	17.70	-231.59 -1.52
CC045	48	6.23	-115 42.30	6537.00	mt 980345.16	980899.49	28.11	-232.96 -1.51
CC046	48	10.26	-115 40.68	5862.00	mt 980407.03	980905.54	7.90	-199.94 -1.49
CC047	48	12.06	-115 44.36	5185.00	mt 980449.21	980908.24	12.78	-176.85 -1.43
CC048	48	13.47	-115 39.66	5144.00	mt 980452.16	980910.35	15.26	-175.45 -1.43
CC049	48	22.58	-115 32.75	2110.00	mt 980647.72	980924.01	2.98	-71.97 -0.80
CC050	48	21.18	-115 31.50	2205.00	mt 980640.90	980921.91	2.52	-75.21 -0.82
CC051	48	19.63	-115 31.08	2425.00	mt 980626.59	980919.59	1.91	-82.71 -0.89
CC052	48	17.00	-115 30.62	2589.00	mt 980616.43	980915.65	1.73	-88.30 -0.94
CC053	48	16.20	-115 31.40	2662.00	mt 980607.42	980914.45	1.89	-90.79 -0.96
CC054	48	14.97	-115 32.05	2921.00	mt 980594.24	980912.60	2.43	-99.63 -1.02
CC055	48	13.64	-115 33.69	3105.00	mt 980579.40	980910.61	6.13	-105.90 -1.07
CC056	48	11.80	-115 34.45	3610.00	mt 980550.40	980907.85	2.58	-123.13 -1.18
CC057	48	9.94	-115 33.84	3715.00	mt 980541.05	980905.06	3.43	-126.71 -1.20
CC058	48	8.83	-115 32.70	3562.00	mt 980549.50	980903.40	2.46	-121.49 -1.17
CC059	48	7.09	-115 32.85	3628.00	mt 980542.56	980900.79	3.90	-123.74 -1.19
CC060	48	6.02	-115 31.76	4100.00	mt 980515.35	980899.18	2.76	-139.84 -1.28
CC061	48	3.74	-115 30.28	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC062	48	3.18	-115 31.62	3661.00	mt 980534.71	980894.92	9.02	-124.87 -1.19
CC063	48	2.48	-115 30.98	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC064	48	1.74	-115 30.28	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC065	48	1.00	-115 29.54	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC066	48	0.26	-115 28.80	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC067	48	0.51	-115 28.06	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC068	48	0.76	-115 27.32	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC069	48	1.01	-115 26.58	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC070	48	1.26	-115 25.84	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC071	48	1.51	-115 25.10	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC072	48	1.76	-115 24.36	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC073	48	2.01	-115 23.62	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC074	48	2.26	-115 22.88	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC075	48	2.51	-115 22.14	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC076	48	2.76	-115 21.40	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC077	48	3.01	-115 20.66	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC078	48	3.26	-115 19.92	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC079	48	3.51	-115 19.18	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC080	48	3.76	-115 18.44	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC081	48	4.01	-115 17.70	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC082	48	4.26	-115 16.96	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC083	48	4.51	-115 16.22	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC084	48	4.76	-115 15.48	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC085	48	5.01	-115 14.74	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC086	48	5.26	-115 14.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC087	48	5.51	-115 13.26	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC088	48	5.76	-115 12.52	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC089	48	6.01	-115 11.78	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC090	48	6.26	-115 11.04	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC091	48	6.51	-115 10.30	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC092	48	6.76	-115 9.56	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC093	48	7.01	-115 8.82	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC094	48	7.26	-115 8.08	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC095	48	7.51	-115 7.34	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC096	48	7.76	-115 6.60	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC097	48	8.01	-115 5.86	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC098	48	8.26	-115 5.12	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC099	48	8.51	-115 4.38	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC100	48	8.76	-115 3.64	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC101	48	9.01	-115 2.90	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC102	48	9.26	-115 2.16	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC103	48	9.51	-115 1.42	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC104	48	9.76	-115 0.68	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC105	48	10.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC106	48	10.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC107	48	10.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC108	48	10.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC109	48	11.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC110	48	11.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC111	48	11.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC112	48	11.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC113	48	12.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC114	48	12.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC115	48	12.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC116	48	12.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC117	48	13.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC118	48	13.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC119	48	13.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC120	48	13.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC121	48	14.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC122	48	14.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC123	48	14.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC124	48	14.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC125	48	15.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC126	48	15.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC127	48	15.51	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC128	48	15.76	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC129	48	16.01	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC130	48	16.26	-115 0.00	3500.00	mt 980545.47	980895.76	4.59	-119.37 -1.16
CC131	48	16.51	-115 0.00					

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67
cc063	48 10.33	-115 35.25	3690.00	mt 980540.41	980905.65	8.46	0.00	-18.32	-136.91
cc064	48 10.12	-115 36.24	3920.00	mt 980521.20	980905.34	9.08	0.00	-15.60	-141.46
cc065	48 9.93	-115 38.22	4007.00	mt 980514.58	980905.05	11.89	0.00	-13.76	-139.80
cc066	48 14.18	-115 35.48	3423.00	mt 980561.32	980911.41	3.81	0.00	-28.28	-142.36
cc067	48 19.27	-115 32.82	2521.00	mt 980618.59	980919.05	1.98	0.00	-63.43	-148.35
cc068	48 18.76	-115 33.48	2550.00	mt 980615.25	980918.29	2.38	0.00	-63.28	-148.80
cc069	48 21.17	-115 33.14	2546.00	mt 980620.07	980921.90	1.84	0.00	-62.45	-148.37
cc070	48 20.70	-115 36.36	2880.00	mt 980600.26	980921.20	5.68	0.00	-50.16	-143.72
cc071	48 21.37	-115 38.11	3740.00	mt 980548.66	980922.20	4.59	0.00	-21.93	-146.11
cc072	48 24.43	-115 35.42	2054.00	mt 980655.26	980926.79	4.98	0.00	-78.40	-144.26
cc073	48 25.10	-115 32.75	2295.00	mt 980644.59	980927.79	2.14	0.00	-67.41	-144.40
cc074	48 26.54	-115 33.40	2494.00	mt 980638.88	980929.95	2.35	0.00	-56.58	-140.20
cc075	48 28.75	-115 31.60	2608.00	mt 980638.39	980933.27	4.09	0.00	-49.66	-135.46
cc059	48 7.09	-115 32.85	3628.00	mt 980542.55	980900.79	3.90	0.00	-17.15	-138.18
cc076	48 6.43	-115 33.54	3826.00	mt 980529.13	980899.80	6.45	0.00	-10.97	-136.24
cc077	48 3.11	-115 32.48	3750.00	mt 980527.05	980894.81	15.25	0.00	-15.21	-129.08
cc078	48 3.39	-115 33.72	4255.00	mt 980500.17	980895.23	8.62	0.00	4.95	-132.86
cc079	48 3.44	-115 34.42	4392.00	mt 980489.79	980895.30	11.12	0.00	7.37	-132.63
cc080	48 7.93	-115 33.11	3780.00	mt 980535.80	980902.05	2.62	0.00	-10.88	-138.40
cc081	48 7.60	-115 33.89	3876.00	mt 980527.94	980901.55	4.44	0.00	-9.22	-138.21
cc082	48 7.36	-115 34.74	4039.00	mt 980512.89	980901.20	10.10	0.00	-8.58	-137.51
cc083	48 7.18	-115 35.28	4155.00	mt 980504.39	980900.92	10.48	0.00	-5.91	-138.44
cc084	48 6.63	-115 36.54	4460.00	mt 980488.73	980900.09	9.23	0.00	7.92	-136.30
cc085	48 6.90	-115 36.12	4336.00	mt 980495.29	980900.50	10.29	0.00	2.42	-136.50
cc086	48 10.25	-115 31.00	3372.00	mt 980560.19	980905.52	3.61	0.00	-28.31	-140.84
cc087	48 11.84	-115 51.40	2339.00	mt 980623.51	980907.91	5.89	0.00	-64.48	-139.23
cc088	48 11.75	-115 49.08	2430.00	mt 980614.53	980907.77	6.56	0.00	-64.77	-141.98
cc089	48 10.33	-115 47.42	2883.00	mt 980583.20	980905.65	8.11	0.00	-51.38	-142.62
cc090	48 9.24	-115 45.82	3604.00	mt 980538.92	980904.01	8.90	0.00	-26.26	-141.46
cc091	48 6.94	-115 48.56	2356.00	mt 980610.99	980900.56	13.15	0.00	-68.05	-136.12
cc092	48 7.24	-115 45.98	2526.00	mt 980601.62	980901.02	10.28	0.00	-61.89	-138.69
cc093	48 7.72	-115 43.28	2799.00	mt 980576.86	980901.73	16.82	0.00	-61.71	-141.34
cc094	48 7.39	-115 41.94	3101.00	mt 980556.08	980901.23	19.35	0.00	-53.61	-141.09
cc095	48 19.03	-115 50.55	2482.00	mt 980624.16	980918.70	6.02	0.00	-61.17	-140.71
cc096	48 19.80	-115 48.87	3100.00	mt 980585.27	980919.84	9.99	0.00	-43.12	-139.93
cc097	48 25.60	-115 37.04	2051.00	mt 980657.27	980928.54	7.12	0.00	-78.42	-142.03
cc098	48 26.68	-115 39.90	2027.00	mt 980652.70	980930.16	14.48	0.00	-86.87	-142.29
cc099	48 26.85	-115 42.88	2025.00	mt 980649.53	980930.41	19.75	0.00	-90.48	-140.57
ccA99	48 27.14	-115 45.73	2096.00	mt 980649.85	980930.84	15.90	0.00	-83.92	-140.30
cc100	48 26.70	-115 48.30	1958.00	mt 980663.89	980930.19	10.18	0.00	-82.19	-139.54

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
sta-id	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER di=2.67
cc101	48	26.28	-115	51.70	2106.00	mt	980659.01	980929.55	0.00	-72.54
cc102	48	27.40	-115	53.44	1915.00	mt	980673.00	980931.24	0.00	-78.18
cc103	48	25.70	-115	49.44	2331.00	mt	980642.11	980928.69	0.00	-67.41
cc104	48	23.69	-115	49.55	2373.00	mt	980631.63	980925.67	0.00	-70.93
cc105	48	21.70	-115	50.12	2415.00	mt	980629.75	980922.70	0.00	-65.88
cc106	48	20.06	-115	50.57	2450.00	mt	980627.77	980920.23	0.00	-62.11
cc107	48	17.02	-115	50.46	2450.00	mt	980618.68	980915.68	0.00	-66.64
cc108	48	14.85	-115	50.52	2348.00	mt	980621.86	980912.42	0.00	-69.80
cc109	48	13.38	-115	50.36	2342.00	mt	980622.19	980910.22	0.00	-67.83
cc110	48	9.54	-115	52.05	2365.00	mt	980619.07	980904.46	0.00	-63.03
cc111	48	7.47	-115	51.82	2309.00	mt	980618.98	980901.35	0.00	-65.27
cc112	48	4.83	-115	47.54	2317.00	mt	980612.63	980897.39	0.00	-66.91
cc113	48	3.65	-115	49.28	2270.00	mt	980611.62	980895.62	0.00	-70.57
cc114	48	1.84	-115	51.35	2325.00	mt	980614.32	980892.91	0.00	-59.98
cc115	48	2.10	-115	52.78	2274.00	mt	980618.24	980893.30	0.00	-61.24
cc116	48	4.08	-115	55.48	2251.00	mt	980624.53	980896.27	0.00	-60.09
cc117	48	4.75	-115	58.14	2290.00	mt	980626.85	980897.28	0.00	-55.11
cc118	48	0.54	-115	47.70	2194.00	mt	980616.80	980890.95	0.00	-67.87
cc119	47	59.82	-115	45.80	2184.00	mt	980618.20	980889.88	0.00	-66.32
cc002	47	58.74	-115	44.30	2346.00	mt	980611.20	980888.26	0.00	-56.47
cc120	47	58.03	-115	43.05	2421.00	mt	980605.65	980887.20	0.00	-53.91
cc121	47	56.50	-115	41.68	2353.00	mt	980605.98	980884.90	0.00	-57.67
cc122	47	54.75	-115	41.25	2353.00	mt	980606.52	980882.27	0.00	-54.50
cc123	47	52.97	-115	39.14	2468.00	mt	980600.42	980879.59	0.00	-47.12
cc124	48	24.68	-115	39.74	2840.00	mt	980603.78	980927.16	0.00	-56.37
cc125	48	14.59	-115	28.95	2670.00	mt	980608.09	980912.04	0.00	-52.90
cc126	48	13.10	-115	28.05	2750.00	mt	980600.77	980909.80	0.00	-50.47
cc127	48	11.09	-115	26.50	2905.00	mt	980584.75	980906.78	0.00	-48.91
cc128	48	9.57	-115	26.61	2948.00	mt	980578.40	980904.51	0.00	-48.94
cc129	48	7.36	-115	25.50	3063.00	mt	980573.41	980901.20	0.00	-39.80
cc130	48	5.56	-115	22.97	2883.00	mt	980581.16	980898.49	0.00	-46.27
cc131	48	3.00	-115	22.06	2930.00	mt	980573.58	980894.65	0.00	-45.59
cc132	48	1.49	-115	20.03	2995.00	mt	980567.78	980892.38	0.00	-43.01
cc133	48	0.46	-115	22.28	3042.00	mt	980562.56	980890.84	0.00	-42.27
cc134	47	59.58	-115	23.39	3114.00	mt	980555.04	980889.52	0.00	-41.70
cc135	47	58.38	-115	26.46	3370.00	mt	980542.35	980887.71	0.00	-28.52
cc136	47	57.65	-115	28.36	3557.00	mt	980532.52	980886.62	0.00	-19.68
cc137	47	56.70	-115	30.10	3825.00	mt	980519.29	980885.20	0.00	-6.30
cc138	47	55.09	-115	28.80	4250.00	mt	980493.48	980882.78	0.00	10.26
cc139	47	51.81	-115	26.75	2762.00	mt	980565.58	980877.85	0.00	-52.59

55

Kelispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y ST OBSERVED	C O R R E C T I O N S			SPECIAL AIR	A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	ELE (in ft)		TERRAIN BOUGUER CURV (d1=2.67)	FREE AIR	COMPLETE-BOUGUER d1=2.67				
cc140	47 51.37	-115 28.66	2784.00	mt 980570.69	980877.20	10.11	-94.95	-0.99	0.00	-44.75	-130.58
cc141	47 50.90	-115 31.45	2491.00	mt 980589.84	980876.48	9.96	-84.96	-0.91	0.00	-52.43	-128.34
cc142	47 49.60	-115 32.70	2388.00	mt 980593.02	980874.53	4.10	-81.45	-0.88	0.00	-56.98	-135.21
cc143	47 50.72	-115 34.65	2364.00	mt 980593.61	980876.21	7.02	-80.63	-0.87	0.00	-60.33	-134.81
cc144	47 51.34	-115 36.68	2364.00	mt 980598.61	980877.15	2.73	-80.63	-0.87	0.00	-56.26	-135.03
cc145	47 53.97	-115 37.85	2570.00	mt 980594.47	980881.09	2.79	-87.66	-0.93	0.00	-44.99	-130.78
cc146	47 58.24	-115 38.55	2870.00	mt 980575.25	980887.51	9.17	-97.89	-1.01	0.00	-42.41	-132.14
cc147	47 58.35	-115 40.66	2679.00	mt 980586.43	980887.67	8.48	-91.37	-0.96	0.00	-49.36	-133.21
cc148	48 24.13	-115 32.26	2119.00	mt 980650.99	980926.34	2.65	-72.27	-0.80	0.00	-76.11	-146.53
cc149	48 24.97	-115 29.74	2079.00	mt 980659.16	980927.60	6.70	-70.91	-0.79	0.00	-72.95	-137.95
cc150	48 24.73	-115 27.39	2130.00	mt 980655.50	980927.24	6.02	-72.65	-0.80	0.00	-71.46	-138.89
cc151	48 25.35	-115 26.45	2590.00	mt 980631.87	980928.16	5.96	-88.34	-0.94	0.00	-52.78	-136.10
cc153	48 22.40	-115 25.67	2100.00	mt 980651.12	980923.74	9.15	-71.62	-0.79	0.00	-75.18	-138.44
cc154	48 21.89	-115 22.17	2120.00	mt 980651.70	980922.98	10.70	-72.31	-0.80	0.00	-71.94	-134.35
cc155	48 23.83	-115 19.43	2140.00	mt 980655.19	980925.89	9.02	-72.99	-0.80	0.00	-69.49	-134.26
cc130	48 5.56	-115 22.97	2883.00	mt 980581.08	980898.49	3.64	-98.33	-1.01	0.00	-46.35	-142.06
cc156	48 3.91	-115 23.28	2941.00	mt 980575.21	980896.02	4.31	-100.31	-1.03	0.00	-44.29	-141.32
cc157	48 3.13	-115 25.65	3068.00	mt 980570.69	980894.84	7.49	-104.64	-1.06	0.00	-35.70	-133.92
cc158	48 2.38	-115 28.27	3209.00	mt 980559.50	980893.72	3.54	-109.45	-1.09	0.00	-32.52	-139.52
cc130	48 5.56	-115 22.97	2883.00	mt 980581.02	980898.49	3.64	-98.33	-1.01	0.00	-46.41	-142.11
meu5	48 46.85	-114 54.87	2919.00	mt 980614.93	980960.36	2.25	-99.56	-1.02	0.00	-70.99	-169.32
meu6	48 47.11	-114 55.52	2943.00	mt 980614.09	980960.75	1.75	-100.38	-1.03	0.00	-69.96	-169.62
meu7	48 47.51	-114 56.02	2842.00	mt 980621.68	980961.34	1.95	-96.93	-1.00	0.00	-72.47	-168.45
meu8	48 48.05	-114 56.88	2853.00	mt 980626.83	980962.15	1.89	-97.31	-1.01	0.00	-67.09	-163.52
meu9	48 49.08	-114 57.68	2789.00	mt 980636.94	980963.70	1.88	-95.12	-0.99	0.00	-64.54	-158.77
meu10	48 49.72	-114 57.43	2736.00	mt 980639.89	980964.66	2.35	-93.32	-0.98	0.00	-67.53	-159.47
meu11	48 50.25	-114 58.08	2737.00	mt 980640.81	980965.45	2.31	-93.35	-0.98	0.00	-67.30	-159.32
meu12	48 50.82	-114 58.78	2729.00	mt 980644.77	980966.30	2.46	-93.08	-0.97	0.00	-64.95	-156.54
meu13	48 51.30	-115 0.02	2806.00	mt 980643.12	980967.02	1.89	-95.70	-0.99	0.00	-60.08	-154.89
meu14	48 51.95	-115 1.07	2750.00	mt 980647.46	980967.98	2.09	-93.79	-0.98	0.00	-61.98	-154.66
meu 5	48 46.85	-114 54.87	2919.00	mt 980614.93	980960.36	2.25	-99.56	-1.02	0.00	-70.99	-169.32
meu15	48 52.35	-115 1.08	2804.00	mt 980643.64	980968.59	1.98	-95.64	-0.99	0.00	-61.32	-155.97
meu16	48 52.76	-115 0.46	2848.00	mt 980638.02	980969.20	2.85	-97.14	-1.00	0.00	-63.41	-158.70
meu17	48 53.10	-115 0.10	2914.00	mt 980633.16	980969.71	2.81	-99.39	-1.02	0.00	-62.58	-160.18
meu18	48 53.47	-114 59.83	2986.00	mt 980627.26	980970.27	2.85	-101.84	-1.04	0.00	-62.27	-162.30
meu19	48 53.75	-115 0.15	2939.00	mt 980630.54	980970.68	3.16	-100.24	-1.03	0.00	-63.82	-161.93
meu20	48 54.32	-115 0.17	3085.00	mt 980621.22	980971.53	3.13	-105.22	-1.06	0.00	-60.27	-163.43
meu21	48 54.32	-115 0.65	2975.00	mt 980627.71	980971.53	2.89	-101.47	-1.04	0.00	-64.12	-163.74
meu22	48 54.31	-115 0.90	2940.00	mt 980629.94	980971.52	2.83	-100.27	-1.03	0.00	-65.17	-163.64
meu23	48 54.32	-115 1.07	2885.00	mt 980633.89	980971.53	2.92	-98.40	-1.01	0.00	-66.40	-162.89

55

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	COMPLETE-BOUGUER dl=2.67
meu24	48 54.30	-115	1.40		2830.00	mt	980636.42	980971.50	2.73	-96.52 -1.00
meu25	48 54.12	-115	1.72		2816.00	mt	980639.02	980971.23	2.38	-96.05 -1.00
meu26	48 54.08	-115	2.14		2755.00	mt	980644.63	980971.17	2.25	-93.97 -0.98
meu27	48 54.05	-115	2.37		2674.00	mt	980650.08	980971.13	2.74	-91.20 -0.96
meu15	48 52.35	-115	1.08		2804.00	mt	980643.69	980968.59	1.98	-95.64 -0.99
meu15	48 52.35	-115	1.08		2804.00	mt	980643.65	980968.59	1.98	-95.64 -0.99
meu23	48 54.32	-115	1.07		2885.00	mt	980633.90	980971.53	2.92	-98.40 -1.01
meu27	48 54.05	-115	2.37		2674.00	mt	980649.98	980971.13	2.74	-91.20 -0.96
meu28	48 54.20	-115	2.80		2654.00	mt	980653.84	980971.35	2.33	-90.52 -0.95
meu29	48 54.27	-115	3.12		2634.00	mt	980655.80	980971.46	2.33	-89.84 -0.95
meu30	48 54.31	-115	3.40		2678.00	mt	980652.68	980971.52	1.96	-91.34 -0.96
meu31	48 54.32	-115	3.66		2657.00	mt	980653.44	980971.53	1.90	-90.62 -0.95
meu32	48 54.32	-115	4.08		2638.00	mt	980654.36	980971.53	1.85	-89.97 -0.95
meu33	48 54.32	-115	4.55		2596.00	mt	980659.71	980971.53	1.77	-88.54 -0.94
meu34	48 54.32	-115	4.70		2596.00	mt	980660.44	980971.53	1.74	-88.54 -0.94
meu35	48 54.32	-115	5.03		2553.00	mt	980664.24	980971.53	1.88	-87.08 -0.93
meu36	48 54.31	-115	5.57		2598.00	mt	980661.40	980971.52	1.59	-88.61 -0.94
meu37	48 54.31	-115	6.03		2617.00	mt	980661.04	980971.52	1.51	-89.26 -0.94
meu38	48 54.32	-115	6.35		2587.00	mt	980663.79	980971.53	1.55	-88.24 -0.93
meu39	48 54.32	-115	6.66		2594.00	mt	980663.77	980971.53	1.50	-88.47 -0.94
meu40	48 54.33	-115	6.97		2584.00	mt	980664.68	980971.55	1.52	-88.13 -0.93
meu41	48 54.43	-115	7.55		2583.00	mt	980665.34	980971.70	1.63	-88.10 -0.93
meu42	48 54.52	-115	7.85		2631.00	mt	980661.98	980971.84	1.90	-89.74 -0.95
meu43	48 54.70	-115	8.18		2707.00	mt	980656.47	980972.10	1.55	-92.33 -0.97
meu44	48 54.73	-115	8.25		2691.00	mt	980656.86	980972.15	1.52	-91.78 -0.96
meu28	48 54.20	-115	2.80		2654.00	mt	980654.02	980971.35	2.33	-90.52 -0.95
meu45	48 54.77	-115	8.62		2603.00	mt	980662.29	980972.20	1.90	-88.78 -0.94
meu46	48 54.72	-115	8.93		2574.00	mt	980664.83	980972.13	1.67	-87.79 -0.93
meu47	48 54.68	-115	9.27		2556.00	mt	980666.40	980972.07	1.70	-87.18 -0.93
meu48	48 54.67	-115	9.57		2529.00	mt	980669.75	980972.06	2.09	-86.26 -0.92
meu49	48 54.72	-115	9.86		2421.00	mt	980675.97	980972.13	2.10	-82.57 -0.89
meu50	48 54.80	-115	10.48		2302.00	mt	980683.71	980972.25	2.79	-78.51 -0.85
meu51	48 54.35	-115	10.93		2297.00	mt	980684.25	980971.58	3.57	-78.34 -0.85
meu52	48 53.83	-115	11.18		2365.00	mt	980680.27	980970.80	3.73	-80.66 -0.87
meu53	48 53.20	-115	12.08		2338.00	mt	980681.71	980969.86	3.70	-79.74 -0.86
meu54	48 52.62	-115	13.22		2292.00	mt	980681.64	980968.99	5.05	-78.17 -0.85
meu45	48 54.77	-115	8.62		2603.00	mt	980662.29	980972.20	1.90	-88.78 -0.94
meu55	48 55.19	-115	7.02		2609.00	mt	980658.21	980972.83	1.81	-88.99 -0.94
meu56	48 55.95	-115	7.40		2603.00	mt	980659.22	980973.97	2.70	-88.78 -0.94
meu57	48 55.19	-115	6.35		2615.00	mt	980656.55	980972.83	1.88	-89.19 -0.94

15

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER di=2.67
meu58	48	55.15	-115	5.18	2680.00	mt	980650.29	1.99	-70.51	-160.89
meu59	48	55.19	-115	4.63	2665.00	mt	980649.73	2.25	-72.54	-162.14
meu60	48	56.05	-115	5.10	2671.00	mt	980652.24	1.97	-70.75	-160.84
meu61	48	56.29	-115	5.08	2688.00	mt	980650.67	1.83	-71.08	-161.90
meu62	48	56.51	-115	5.08	2655.00	mt	980653.02	2.00	-72.16	-161.67
meu63	48	56.92	-115	5.09	2656.00	mt	980651.96	1.94	-73.74	-163.35
meu64	48	57.12	-115	5.08	2667.00	mt	980651.27	2.07	-73.70	-163.55
meu65	48	57.43	-115	5.07	2652.00	mt	980653.29	2.15	-73.55	-162.81
meu66	48	57.83	-115	5.07	2667.00	mt	980651.60	2.17	-74.43	-164.18
meu67	48	58.23	-115	5.09	2669.00	mt	980651.83	2.19	-74.61	-164.41
meu68	48	58.68	-115	5.08	2675.00	mt	980651.24	2.31	-75.31	-165.19
meu69	48	59.10	-115	5.07	2719.00	mt	980648.78	2.34	-74.26	-165.63
meu70	48	59.53	-115	5.09	2705.00	mt	980650.94	2.44	-74.07	-164.85
meu55	48	55.19	-115	7.02	2609.00	mt	980658.50	1.81	-69.04	-157.15
meu71	48	55.19	-115	3.97	2670.00	mt	980649.18	2.17	-72.62	-162.48
meu72	48	55.19	-115	3.36	2667.00	mt	980648.80	2.75	-73.29	-162.46
meu73	48	55.66	-115	3.43	2677.00	mt	980648.71	2.99	-73.14	-162.41
meu74	48	56.27	-115	3.44	2680.00	mt	980649.36	3.13	-73.12	-162.36
meu75	48	56.91	-115	3.44	2709.00	mt	980647.90	3.06	-72.81	-163.11
meu76	48	57.25	-115	3.45	2688.00	mt	980649.30	3.26	-73.89	-163.28
meu77	48	57.79	-115	3.45	2718.00	mt	980649.19	3.32	-71.99	-162.34
meu78	48	58.76	-115	3.44	2747.00	mt	980650.71	3.86	-69.19	-160.00
meu79	48	58.23	-115	3.44	2717.00	mt	980650.46	3.65	-71.47	-161.46
meu80	48	59.09	-115	3.44	2746.00	mt	980653.38	4.08	-67.11	-157.66
meu81	48	59.53	-115	3.38	2708.00	mt	980656.90	4.99	-67.82	-156.16
meu82	48	59.91	-115	3.32	2699.00	mt	980657.33	4.95	-68.80	-156.87
meu83	48	59.61	-115	4.24	2756.00	mt	980650.88	2.90	-69.44	-161.52
meu84	48	54.75	-115	3.39	2663.00	mt	980650.10	2.21	-71.70	-161.27
meu71	48	55.19	-115	3.97	2670.00	mt	980649.05	2.17	-72.75	-162.61
meu85	48	45.27	-114	53.06	2995.00	mt	980609.81	2.20	-66.60	-167.59
meu86	48	45.19	-114	53.29	2968.00	mt	980613.10	2.17	-65.73	-165.82
meu87	48	44.50	-114	52.58	3038.00	mt	980610.23	2.16	-60.98	-163.49
meu88	48	43.94	-114	52.87	3006.00	mt	980616.39	2.01	-57.00	-158.56
meu89	48	43.67	-114	52.70	3045.00	mt	980614.20	1.95	-55.11	-158.07
meu90	48	43.01	-114	51.97	3024.00	mt	980613.55	2.43	-56.76	-158.52
meu91	48	42.52	-114	51.44	3055.00	mt	980612.32	2.79	-54.34	-156.80
meu92	48	42.77	-114	50.60	3108.00	mt	980607.60	2.82	-54.45	-158.70
meu93	48	43.22	-114	50.03	3142.00	mt	980604.62	3.40	-54.91	-159.75
meu94	48	43.80	-114	51.48	3020.00	mt	980611.09	3.41	-60.77	-161.41
meu95	48	44.33	-114	52.34	3009.00	mt	980612.54	2.35	-61.15	-162.48

59

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION		L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S					
sta-id		LATITUDE	LONGITUDE			ELE	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV	SPECIAL	FREE				
		deg	min	deg	min	(in ft)			(dl=2.67)	AIR	COMPLETE-BOUGUER				
meu96	48	45.82	-114	54.48		2951.00	mt	980614.87	980958.82	1.92	-100.65	-1.03	0.00	-66.51	-166.27
meu97	48	45.79	-114	55.13		2947.00	mt	980619.40	980958.77	1.94	-100.51	-1.03	0.00	-62.30	-161.91
meu98	48	45.98	-114	55.50		2971.00	mt	980618.17	980959.05	1.86	-101.33	-1.04	0.00	-61.56	-162.07
meu99	48	46.05	-114	55.88		2998.00	mt	980617.82	980959.16	1.57	-102.25	-1.04	0.00	-59.48	-161.20
meu100	48	45.88	-114	55.98		2947.00	mt	980621.28	980958.91	2.10	-100.51	-1.03	0.00	-60.55	-160.00
meu101	48	45.83	-114	56.59		2993.00	mt	980620.93	980958.83	1.81	-102.08	-1.04	0.00	-56.51	-157.82
meu102	48	45.85	-114	57.35		3057.00	mt	980619.92	980958.87	2.41	-104.27	-1.06	0.00	-51.53	-154.44
meu103	48	45.72	-114	57.62		3081.00	mt	980618.99	980958.67	2.18	-105.08	-1.06	0.00	-50.01	-153.98
meu104	48	46.47	-114	58.00		3040.00	mt	980618.06	980959.79	2.17	-103.69	-1.05	0.00	-55.92	-158.49
meu105	48	47.31	-114	57.84		2883.00	mt	980626.58	980961.05	2.11	-98.33	-1.01	0.00	-63.41	-160.65
meu106	48	47.94	-114	57.74		2808.00	mt	980631.52	980961.99	1.92	-95.77	-0.99	0.00	-66.46	-161.31
meu107	48	47.64	-114	55.68		2852.00	mt	980619.75	980961.54	2.06	-97.27	-1.01	0.00	-73.65	-169.87
meu108	48	47.76	-114	55.45		2861.00	mt	980617.97	980961.72	2.10	-97.58	-1.01	0.00	-74.77	-171.25
meu109	48	48.01	-114	55.25		2879.00	mt	980617.50	980962.10	2.20	-98.19	-1.01	0.00	-73.92	-170.92
meu110	48	48.02	-114	54.95		2889.00	mt	980615.79	980962.11	2.41	-98.54	-1.02	0.00	-74.70	-171.84
meu111	48	48.15	-114	54.60		2904.00	mt	980615.20	980962.30	2.73	-99.05	-1.02	0.00	-74.07	-171.41
meu112	48	48.44	-114	54.58		2920.00	mt	980617.02	980962.73	2.53	-99.59	-1.02	0.00	-71.18	-169.27
meu113	48	48.67	-114	54.25		2944.00	mt	980618.62	980963.09	2.66	-100.41	-1.03	0.00	-67.68	-166.46
meu114	48	48.87	-114	54.18		2958.00	mt	980620.88	980963.38	2.75	-100.89	-1.03	0.00	-64.39	-163.57
meu115	48	49.02	-114	53.66		2990.00	mt	980620.43	980963.61	3.23	-101.98	-1.04	0.00	-62.07	-161.86
meu116	48	49.10	-114	53.33		3014.00	mt	980618.99	980963.73	3.66	-102.80	-1.05	0.00	-61.36	-161.55
meu117	48	49.19	-114	53.23		3054.00	mt	980616.50	980963.86	3.82	-104.16	-1.06	0.00	-60.23	-161.63
meu118	48	49.32	-114	52.96		3123.00	mt	980612.49	980964.05	4.21	-106.52	-1.07	0.00	-57.95	-161.33
meu119	48	49.39	-114	53.28		3116.00	mt	980612.42	980964.16	3.84	-106.28	-1.07	0.00	-58.78	-162.29
meu120	48	49.80	-114	53.65		3162.00	mt	980611.91	980964.77	3.84	-107.85	-1.08	0.00	-55.58	-160.67
meu121	48	49.49	-114	52.05		3333.00	mt	980598.12	980964.30	5.77	-113.68	-1.12	0.00	-52.84	-161.87
meu122	48	49.62	-114	51.11		3333.00	mt	980597.51	980964.50	7.89	-113.68	-1.12	0.00	-53.64	-160.56
meu107	48	47.64	-114	55.68		2852.00	mt	980619.76	980961.54	2.06	-97.27	-1.01	0.00	-73.64	-169.86
meu123	48	45.68	-114	52.31		3017.00	mt	980603.18	980958.61	3.08	-102.90	-1.05	0.00	-71.78	-172.65
meu124	48	45.51	-114	51.82		3056.00	mt	980599.57	980958.35	3.63	-104.23	-1.06	0.00	-71.47	-173.13
meu125	48	45.75	-114	51.02		3272.00	mt	980589.67	980958.71	4.19	-111.60	-1.11	0.00	-61.42	-169.94
meu126	48	46.05	-114	51.18		3238.00	mt	980592.14	980959.16	4.21	-110.44	-1.10	0.00	-62.60	-169.93
meu127	48	46.05	-114	52.25		3129.00	mt	980596.35	980959.16	2.80	-106.72	-1.07	0.00	-68.63	-173.63
meu128	48	46.44	-114	51.77		3161.00	mt	980596.32	980959.74	3.54	-107.81	-1.08	0.00	-66.24	-171.60
meu129	48	47.06	-114	51.10		3433.00	mt	980587.30	980960.67	4.42	-117.09	-1.15	0.00	-50.62	-164.44
meu130	48	47.40	-114	49.93		3818.00	mt	980565.95	980961.18	6.13	-130.22	-1.23	0.00	-36.29	-161.61
meu131	48	47.78	-114	51.98		3523.00	mt	980585.75	980961.75	3.92	-120.16	-1.16	0.00	-44.79	-162.19
meu132	48	47.05	-114	52.12		3277.00	mt	980592.97	980960.66	3.32	-111.77	-1.11	0.00	-59.60	-169.16
meu123	48	45.68	-114	52.31		3017.00	mt	980603.05	980958.61	3.08	-102.90	-1.05	0.00	-71.91	-172.78
meu133	48	46.88	-114	52.97		2987.00	mt	980606.80	980960.40	2.89	-101.88	-1.04	0.00	-72.78	-172.80

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER d1=2.67
meu134	48 47.37	-114 52.97			3061.00	mt 980604.51	980961.14	2.99 -104.40	0.00	-68.84
meu135	48 47.82	-114 53.00			3219.00	mt 980601.60	980961.81	3.05 -109.79	0.00	-57.57
meu136	48 47.63	-114 53.88			3064.00	mt 980609.20	980961.52	2.49 -104.50	0.00	-64.25
meu137	48 47.05	-114 54.87			2932.00	mt 980614.75	980960.66	2.11 -100.00	0.00	-70.25
meu138	48 47.25	-114 55.22			2963.00	mt 980612.12	980960.96	1.80 -101.06	0.00	-70.27
meu133	48 46.88	-114 52.97			2987.00	mt 980606.90	980960.40	2.89 -101.88	0.00	-72.67
meu139	48 50.67	-114 57.76			2822.00	mt 980634.34	980966.08	2.37 -96.25	0.00	-66.41
meu140	48 51.27	-114 56.75			2996.00	mt 980620.60	980966.97	2.52 -102.18	0.00	-64.69
meu141	48 50.87	-114 56.88			2986.00	mt 980628.10	980966.37	2.23 -101.84	0.00	-57.54
meu142	48 51.56	-114 56.32			3021.00	mt 980618.07	980967.40	3.06 -103.04	0.00	-65.31
meu143	48 52.03	-114 55.20			3300.00	mt 980606.09	980968.11	4.50 -112.55	0.00	-51.76
meu144	48 50.98	-114 54.59			3226.00	mt 980609.85	980966.54	3.71 -110.03	0.00	-53.39
meu145	48 51.05	-114 53.99			3424.00	mt 980597.91	980966.64	4.40 -116.78	0.00	-46.82
meu146	48 50.95	-114 53.19			3782.00	mt 980574.49	980966.50	5.54 -128.99	0.00	-36.45
meu147	48 51.10	-114 53.25			3798.00	mt 980573.25	980966.72	6.35 -129.54	0.00	-36.41
meu148	48 50.72	-114 53.22			3757.00	mt 980577.09	980966.15	4.95 -128.14	0.00	-35.85
meu149	48 50.42	-114 53.18			3727.00	mt 980578.18	980965.70	4.76 -127.12	0.00	-37.14
meu150	48 49.04	-114 52.02			3329.00	mt 980599.51	980963.63	5.32 -113.54	0.00	-51.15
meu151	48 49.23	-114 50.72			3351.00	mt 980596.57	980963.92	9.17 -114.29	0.00	-52.31
meu152	48 49.70	-114 56.80			2786.00	mt 980633.43	980964.62	2.22 -95.02	0.00	-69.26
meu153	48 49.69	-114 56.29			2808.00	mt 980630.34	980964.61	2.35 -95.77	0.00	-70.26
meu154	48 50.12	-114 56.13			2841.00	mt 980627.84	980965.25	2.67 -96.90	0.00	-70.30
meu155	48 49.95	-114 55.51			2962.00	mt 980621.88	980965.00	2.57 -101.03	0.00	-64.63
meu156	48 49.10	-114 56.01			2832.00	mt 980629.22	980963.73	2.21 -96.59	0.00	-68.25
meu157	48 49.06	-114 55.45			2831.00	mt 980627.79	980963.67	2.47 -96.56	0.00	-69.71
meu158	48 48.50	-114 55.80			3003.00	mt 980617.86	980962.83	2.63 -102.42	0.00	-62.64
meu159	48 51.95	-114 56.27			3037.00	mt 980618.43	980967.98	3.57 -103.58	0.00	-64.03
meu160	48 52.28	-114 56.88			3039.00	mt 980618.85	980968.48	3.51 -103.65	0.00	-63.91
meu161	48 52.86	-114 57.22			3090.00	mt 980617.66	980969.35	4.80 -105.39	0.00	-61.17
meu162	48 52.24	-114 57.40			2953.00	mt 980621.95	980968.43	3.60 -100.72	0.00	-68.84
meu163	48 52.08	-114 57.87			2953.00	mt 980622.07	980968.19	3.58 -100.72	0.00	-68.48
meu164	48 53.27	-114 57.71			3286.00	mt 980608.22	980969.96	3.76 -112.08	0.00	-52.81
meu165	48 53.53	-114 58.76			3046.00	mt 980621.96	980970.35	4.34 -103.89	0.00	-62.02
meu166	48 53.45	-114 59.14			3008.00	mt 980624.52	980970.23	4.69 -102.59	0.00	-62.90
meu167	48 53.53	-114 58.45			3154.00	mt 980617.24	980970.35	3.90 -107.57	0.00	-56.58
meu168	48 54.10	-114 58.65			3215.00	mt 980616.03	980971.21	5.66 -109.65	0.00	-52.91
meu169	48 54.46	-114 58.65			3400.00	mt 980604.15	980971.74	4.96 -115.96	0.00	-47.94
meu170	48 55.50	-114 59.13			3786.00	mt 980581.93	980973.30	7.40 -129.13	0.00	-35.44
meu171	48 55.77	-114 59.67			3495.00	mt 980598.63	980973.70	7.09 -119.20	0.00	-46.49
meu172	48 55.61	-115 0.56			3013.00	mt 980627.50	980973.46	5.19 -102.76	0.00	-62.69

65

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
meu50	48 54.80	-115 10.48	-115	10.48	2302.00	mt 980683.80	980972.25	2.79	-78.51	-0.85
meu173	48 56.03	-115 10.10	-115	10.10	2312.00	mt 980681.34	980974.09	2.47	-78.86	-0.86
meu174	48 56.23	-115 10.01	-115	10.01	2309.00	mt 980681.45	980974.39	2.33	-78.75	-0.86
meu175	48 56.94	-115 9.35	-115	9.35	2341.00	mt 980674.46	980975.45	2.18	-79.84	-0.86
meu176	48 57.47	-115 9.76	-115	9.76	2318.00	mt 980676.95	980976.24	2.17	-79.06	-0.86
meu177	48 58.04	-115 9.98	-115	9.98	2337.00	mt 980676.38	980977.09	2.03	-79.71	-0.86
meu178	48 58.72	-115 10.09	-115	10.09	2358.00	mt 980675.47	980978.12	1.94	-80.42	-0.87
meu179	48 58.91	-115 10.14	-115	10.14	2370.00	mt 980675.15	980978.39	1.88	-80.83	-0.87
meu180	48 59.57	-115 10.27	-115	10.27	2379.00	mt 980676.07	980979.38	1.84	-81.14	-0.88
meu181	48 59.97	-115 10.35	-115	10.35	2363.00	mt 980678.16	980979.98	1.88	-80.60	-0.87
meu50	48 54.80	-115 10.48	-115	10.48	2302.00	mt 980683.86	980972.25	2.79	-78.51	-0.85
meu183	48 53.10	-115 13.83	-115	13.83	2605.00	mt 980666.53	980969.71	4.78	-88.85	-0.94
meu184	48 53.43	-115 13.63	-115	13.63	2634.00	mt 980666.20	980970.20	4.26	-89.84	-0.95
meu185	48 55.03	-115 12.40	-115	12.40	2700.00	mt 980663.19	980972.60	2.60	-92.09	-0.97
meu186	48 56.02	-115 12.08	-115	12.08	2567.00	mt 980672.40	980974.08	2.68	-87.55	-0.93
meu187	48 56.61	-115 12.72	-115	12.72	2675.00	mt 980666.82	980974.96	2.83	-91.24	-0.96
meu188	48 56.82	-115 12.00	-115	12.00	2552.00	mt 980674.44	980975.27	2.10	-87.04	-0.92
meu189	48 57.75	-115 11.72	-115	11.72	2540.00	mt 980673.75	980976.66	1.91	-86.63	-0.92
meu190	48 58.29	-115 11.67	-115	11.67	2508.00	mt 980674.68	980977.47	2.07	-85.54	-0.91
meu191	48 58.89	-115 11.43	-115	11.43	2479.00	mt 980674.87	980978.37	2.31	-84.55	-0.90
meu192	48 59.53	-115 11.53	-115	11.53	2592.00	mt 980669.03	980979.33	1.95	-88.41	-0.94
meu193	48 58.82	-115 12.15	-115	12.15	2481.00	mt 980677.88	980978.26	2.81	-84.62	-0.91
meu194	48 59.22	-115 12.22	-115	12.22	2490.00	mt 980678.40	980978.86	2.50	-84.93	-0.91
meu195	48 58.28	-115 13.12	-115	13.12	2728.00	mt 980665.69	980977.45	2.17	-93.04	-0.97
meu196	48 58.59	-115 13.73	-115	13.73	2739.00	mt 980664.82	980977.92	2.47	-93.42	-0.98
meu197	48 59.41	-115 13.54	-115	13.54	2870.00	mt 980658.62	980979.15	2.10	-97.89	-1.01
meu198	48 58.77	-115 14.38	-115	14.38	2753.00	mt 980665.15	980978.19	3.71	-93.90	-0.98
meu199	48 54.35	-115 12.87	-115	12.87	2607.00	mt 980667.92	980971.58	3.43	-88.92	-0.94
meu183	48 53.10	-115 13.83	-115	13.83	2605.00	mt 980665.85	980969.71	4.78	-88.85	-0.94
meu201	48 54.40	-115 13.73	-115	13.73	2882.00	mt 980653.39	980971.66	3.52	-98.30	-1.01
meu202	48 55.10	-115 13.00	-115	13.00	2828.00	mt 980657.01	980972.70	3.17	-96.45	-1.00
meu203	48 58.10	-115 10.80	-115	10.80	2325.00	mt 980680.70	980977.18	2.45	-79.30	-0.86
meu204	48 56.93	-115 11.07	-115	11.07	2382.00	mt 980682.18	980975.43	2.44	-81.24	-0.88
meu205	48 56.52	-115 11.36	-115	11.36	2377.00	mt 980683.55	980974.82	2.77	-81.07	-0.88
meu206	48 55.87	-115 11.38	-115	11.38	2344.00	mt 980681.23	980973.85	2.73	-79.95	-0.87
meu183	48 53.10	-115 13.83	-115	13.83	2605.00	mt 980665.81	980969.71	4.78	-88.85	-0.94
meu207	48 54.76	-115 7.01	-115	7.01	2598.00	mt 980660.15	980972.20	1.54	-88.61	-0.94
meu208	48 55.62	-115 7.18	-115	7.18	2702.00	mt 980652.70	980973.48	1.60	-92.16	-0.97
meu209	48 56.52	-115 7.43	-115	7.43	2558.00	mt 980659.90	980974.82	1.66	-87.25	-0.93
meu210	48 56.93	-115 7.51	-115	7.51	2588.00	mt 980656.29	980975.43	1.47	-88.27	-0.93
meu183	48 53.10	-115 13.83	-115	13.83	2605.00	mt 980665.81	980969.71	4.78	-88.85	-0.94
meu207	48 54.76	-115 7.01	-115	7.01	2598.00	mt 980660.15	980972.20	1.54	-88.61	-0.94
meu208	48 55.62	-115 7.18	-115	7.18	2702.00	mt 980652.70	980973.48	1.60	-92.16	-0.97
meu209	48 56.52	-115 7.43	-115	7.43	2558.00	mt 980659.90	980974.82	1.66	-87.25	-0.93
meu210	48 56.93	-115 7.51	-115	7.51	2588.00	mt 980656.29	980975.43	1.47	-88.27	-0.93

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	COMPLETE-BOUGUER d1=2.67
meu211	48 57.57	-115	7.72		2568.00	mt 980656.49	980976.39	1.54	-87.59	-0.93
meu212	48 57.91	-115	8.16		2549.00	mt 980658.55	980976.91	1.63	-86.94	-0.92
meu213	48 58.03	-115	8.51		2432.00	mt 980666.50	980977.09	1.78	-82.95	-0.89
meu214	48 58.68	-115	8.38		2388.00	mt 980669.17	980978.05	1.87	-81.45	-0.88
meu215	48 58.69	-115	8.94		2397.00	mt 980668.89	980978.07	1.75	-81.75	-0.88
meu216	48 59.17	-115	8.23		2415.00	mt 980667.47	980978.79	1.84	-82.37	-0.89
meu217	48 59.40	-115	9.52		2406.00	mt 980672.43	980979.13	2.11	-82.06	-0.88
meu207	48 54.76	-115	7.01		2598.00	mt 980660.57	980972.20	1.54	-88.61	-0.94
meu218	48 56.94	-115	6.18		2621.00	mt 980655.43	980975.45	1.67	-89.39	-0.94
meu219	48 56.99	-115	6.95		2593.00	mt 980656.57	980975.52	1.54	-88.44	-0.94
meu220	48 59.76	-115	9.45		2580.00	mt 980659.85	980979.66	1.57	-88.00	-0.93
meu221	48 59.75	-115	9.05		2575.00	mt 980660.24	980979.65	1.58	-87.83	-0.93
meu222	48 59.64	-115	8.48		2517.00	mt 980660.86	980979.48	1.89	-85.85	-0.92
meu223	48 59.54	-115	7.72		2558.00	mt 980657.74	980979.34	1.83	-87.25	-0.93
meu224	48 59.54	-115	7.04		2563.00	mt 980657.45	980979.34	1.84	-87.42	-0.93
meu225	48 59.54	-115	6.40		2570.00	mt 980657.82	980979.34	2.06	-87.66	-0.93
meu218	48 56.94	-115	6.18		2621.00	mt 980655.30	980975.45	1.67	-89.39	-0.94
meu226	48 59.54	-115	5.57		2675.00	mt 980651.16	980979.34	2.24	-91.24	-0.96
meu227	48 58.36	-115	6.08		2620.00	mt 980654.06	980977.58	1.88	-89.36	-0.94
meu218	48 56.94	-115	6.18		2621.00	mt 980655.25	980975.45	1.67	-89.39	-0.94
meu228	48 56.05	-115	2.47		2802.00	mt 980640.38	980974.13	2.96	-95.57	-0.99
meu229	48 56.47	-115	1.46		2973.00	mt 980631.64	980974.75	4.37	-101.40	-1.04
meu230	48 56.27	-115	0.47		3190.00	mt 980618.43	980974.45	6.22	-108.80	-1.09
meu231	48 55.17	-115	1.25		2870.00	mt 980632.30	980972.80	3.78	-97.89	-1.01
meu232	48 52.58	-115	3.12		2566.00	mt 980661.06	980968.93	2.29	-87.52	-0.93
meu233	48 53.22	-115	3.28		2595.00	mt 980659.87	980969.89	1.99	-88.51	-0.94
meu234	48 53.77	-115	3.40		2620.00	mt 980657.50	980970.71	1.96	-89.36	-0.94
meu235	48 53.22	-115	2.39		2633.00	mt 980653.39	980969.89	2.80	-89.80	-0.95
meu236	48 53.66	-115	2.40		2705.00	mt 980647.44	980970.55	2.09	-92.26	-0.97
meu237	48 53.95	-115	7.00		2578.00	mt 980663.22	980970.98	1.63	-87.93	-0.93
meu238	48 53.74	-115	6.89		2507.00	mt 980669.16	980970.67	2.72	-85.51	-0.91
meu239	48 53.71	-115	7.68		2480.00	mt 980671.75	980970.63	3.05	-84.59	-0.90
meu240	48 52.93	-115	7.15		2814.00	mt 980651.56	980969.46	2.23	-95.98	-1.00
meu241	48 52.81	-115	8.08		2883.00	mt 980648.60	980969.28	2.18	-98.33	-1.01
meu242	48 53.88	-115	9.55		2586.00	mt 980667.51	980970.88	3.37	-88.20	-0.93
meu243	48 54.23	-115	9.22		2434.00	mt 980675.55	980971.40	2.39	-83.02	-0.89
meu244	48 53.52	-115	11.03		2582.00	mt 980668.83	980970.34	2.50	-88.06	-0.93
meu245	48 53.23	-115	4.38		2549.00	mt 980664.43	980969.91	3.04	-86.94	-0.92
meu232	48 52.58	-115	3.12		2566.00	mt 980661.42	980968.93	2.29	-87.52	-0.93
meu246	48 52.25	-115	3.34		2718.00	mt 980652.93	980968.44	1.94	-92.70	-0.97
meu243	48 54.23	-115	9.22		2434.00	mt 980675.55	980971.40	2.39	-83.02	-0.89
meu244	48 53.52	-115	11.03		2582.00	mt 980668.83	980970.34	2.50	-88.06	-0.93
meu245	48 53.23	-115	4.38		2549.00	mt 980664.43	980969.91	3.04	-86.94	-0.92
meu232	48 52.58	-115	3.12		2566.00	mt 980661.42	980968.93	2.29	-87.52	-0.93
meu246	48 52.25	-115	3.34		2718.00	mt 980652.93	980968.44	1.94	-92.70	-0.97

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		ELE (in ft)	G R A V I T Y ST OBSERVED	C O R R E C T I O N S TERRAIN BOUGUER CURV (di=2.67)	SPECIAL	FREE AIR	A N O M A L I E S COMPLETE-BOUGUER di=2.67			
	LATITUDE deg	LONGITUDE min deg									
meu247	48 52.20	-115 4.28	2883.00	mt 980643.89	980968.36	1.46	-98.33	-1.01	0.00	-53.42	-151.30
meu248	48 51.94	-115 4.35	2926.00	mt 980641.19	980967.98	1.58	-99.80	-1.02	0.00	-51.69	-150.93
meu249	48 51.58	-115 2.43	2723.00	mt 980650.33	980967.44	2.14	-92.87	-0.97	0.00	-61.09	-152.80
meu250	48 51.32	-115 2.30	2786.00	mt 980645.21	980967.05	2.00	-95.02	-0.99	0.00	-59.90	-153.91
meu251	48 50.85	-115 1.81	2937.00	mt 980636.33	980966.34	1.56	-100.17	-1.03	0.00	-53.88	-153.53
meu252	48 50.63	-115 2.18	2956.00	mt 980636.02	980966.01	1.58	-100.82	-1.03	0.00	-52.07	-152.35
meu253	48 51.27	-115 1.68	2664.00	mt 980652.81	980966.97	2.84	-90.86	-0.96	0.00	-63.69	-152.67
meu254	48 50.71	-115 0.73	2817.00	mt 980642.30	980966.14	1.89	-96.08	-1.00	0.00	-58.99	-154.17
meu255	48 50.53	-115 0.62	2851.00	mt 980640.10	980965.87	1.87	-97.24	-1.01	0.00	-57.72	-154.09
meu256	48 49.49	-114 58.98	2783.00	mt 980641.55	980964.30	3.06	-94.92	-0.99	0.00	-61.11	-153.96
meu257	48 48.26	-114 58.05	2794.00	mt 980635.37	980962.47	2.08	-95.30	-0.99	0.00	-64.41	-158.62
meu258	48 48.74	-114 58.60	2786.00	mt 980639.89	980963.19	2.18	-95.02	-0.99	0.00	-61.36	-155.19
meu232	48 52.58	-115 3.12	2566.00	mt 980661.37	980968.93	2.29	-87.52	-0.93	0.00	-66.31	-152.46
meu259	48 46.66	-114 55.63	2889.00	mt 980620.16	980960.08	2.37	-98.54	-1.02	0.00	-68.29	-165.47
meu260	48 46.73	-114 56.38	2870.00	mt 980623.91	980960.18	2.70	-97.89	-1.01	0.00	-66.43	-162.63
meu261	48 42.33	-114 52.05	3117.00	mt 980609.75	980953.59	1.78	-106.31	-1.07	0.00	-50.79	-156.40
meu262	48 42.13	-114 52.45	3192.00	mt 980604.77	980953.30	1.42	-108.87	-1.09	0.00	-48.42	-156.96
meu263	48 41.73	-114 52.42	3176.00	mt 980605.47	980952.70	1.51	-108.32	-1.09	0.00	-48.63	-156.53
meu264	48 41.94	-114 50.56	3164.00	mt 980604.36	980953.01	2.21	-107.91	-1.08	0.00	-51.18	-157.97
21 48	6.94	-115 8.09	3440.00	mt 980555.52	980900.56	1.95	-117.33	-1.15	0.00	-21.62	-138.15
22 48	7.89	-115 7.23	3432.00	mt 980559.10	980901.98	2.63	-117.06	-1.14	0.00	-20.22	-135.79
23 48	9.55	-115 5.68	3450.00	mt 980563.30	980904.48	3.16	-117.67	-1.15	0.00	-16.82	-132.48
24 48	10.01	-115 5.08	3473.00	mt 980564.70	980905.16	2.79	-118.45	-1.15	0.00	-13.95	-130.76
25 48	10.27	-115 3.55	3492.00	mt 980566.35	980905.56	2.60	-119.10	-1.16	0.00	-10.90	-128.56
26 48	10.04	-115 1.59	3487.00	mt 980568.57	980905.21	1.91	-118.93	-1.16	0.00	-8.81	-126.99
27 48	10.32	-115 0.05	3486.00	mt 980570.65	980905.63	1.22	-118.90	-1.16	0.00	-7.24	-126.08
28 48	10.20	-114 58.86	3499.00	mt 980570.65	980905.45	0.87	-119.34	-1.16	0.00	-5.84	-125.47
29 48	9.57	-114 57.37	3549.00	mt 980563.98	980904.51	1.06	-121.05	-1.17	0.00	-6.86	-128.02
19 48	10.68	-114 58.85	3488.00	mt 980571.47	980906.17	0.89	-118.97	-1.16	0.00	-6.78	-126.01
30 48	10.91	-114 59.08	3493.00	mt 980572.92	980906.52	0.92	-119.14	-1.16	0.00	-5.20	-124.57
31 48	12.78	-114 59.79	3500.00	mt 980575.95	980909.32	1.03	-119.37	-1.16	0.00	-4.31	-123.82
1b1 48	24.60	-115 30.88	2140.00	mt 980653.09	980927.04	3.30	-72.99	-0.80	0.00	-72.74	-143.23
1b2 48	23.95	-115 26.99	2113.00	mt 980654.83	980926.07	7.12	-72.07	-0.80	0.00	-72.57	-138.31
1b3 48	22.17	-115 20.94	2136.00	mt 980653.04	980923.40	9.57	-72.85	-0.80	0.00	-69.53	-133.61
1b4 48	18.55	-115 19.92	2845.00	mt 980606.22	980917.98	6.44	-97.03	-1.00	0.00	-44.27	-135.87
1b5 48	20.86	-115 21.21	4820.00	mt 980483.06	980921.44	17.05	-164.40	-1.39	0.00	14.74	-134.00
1b6 48	19.43	-115 20.17	4441.00	mt 980514.37	980919.29	11.14	-151.47	-1.33	0.00	12.57	-129.10
1b7 48	18.52	-115 20.62	2995.00	mt 980595.03	980917.93	10.09	-102.15	-1.04	0.00	-41.31	-134.41
1b8 48	18.10	-115 22.09	3537.00	mt 980565.02	980917.30	3.14	-120.64	-1.17	0.00	-19.74	-138.41
1b9 48	18.34	-115 23.60	3825.00	mt 980546.26	980917.66	2.80	-130.46	-1.23	0.00	-11.80	-140.69

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	COMPLETE-BOUGUER dl=2.67
1b10	48	18.85	-115	25.72	4610.00	mt	980497.80	4.19	-157.23	-1.36
1b11	48	20.11	-115	26.27	4420.00	mt	980512.36	4.74	-150.75	-1.33
1b12	48	21.40	-115	27.74	3625.00	mt	980563.44	2.65	-123.64	-1.19
1b13	48	22.08	-115	27.52	4305.00	mt	980515.28	11.06	-146.83	-1.31
1b14	48	21.05	-115	28.43	3285.00	mt	980580.72	3.96	-112.04	-1.11
1b15	48	20.58	-115	29.36	2579.00	mt	980620.38	4.10	-87.96	-0.93
1b16	48	20.05	-115	29.62	2436.00	mt	980628.47	4.40	-83.08	-0.89
1b17	48	19.11	-115	30.57	2570.00	mt	980631.91	3.02	-87.66	-0.93
1b18	48	23.55	-115	31.35	2108.00	mt	980651.25	3.45	-71.90	-0.79
1b19	48	23.79	-115	18.04	2391.00	mt	980648.17	7.37	-81.55	-0.88
1b20	48	23.25	-115	15.77	2851.00	mt	980622.19	6.42	-97.24	-1.01
1b21	48	23.64	-115	16.04	3070.00	mt	980611.25	3.59	-104.71	-1.06
1b22	48	24.28	-115	16.79	3308.00	mt	980598.71	2.71	-112.83	-1.12
1b24	48	28.69	-115	15.04	2578.00	mt	980654.41	3.64	-87.93	-0.93
1b25	48	28.60	-115	13.75	2847.00	mt	980638.01	3.14	-97.10	-1.00
1b26	48	28.47	-115	12.40	3027.00	mt	980627.47	3.84	-103.24	-1.05
1b27	48	28.32	-115	11.23	3287.00	mt	980612.32	3.24	-112.11	-1.11
1b28	48	28.40	-115	10.19	3524.00	mt	980595.66	3.44	-120.19	-1.16
1b30	48	27.68	-115	3.52	4112.00	mt	980554.63	5.73	-140.25	-1.28
1b31	48	27.81	-115	4.53	4010.00	mt	980560.10	9.35	-136.77	-1.26
1b32	48	27.94	-115	5.45	3919.00	mt	980565.01	9.51	-133.67	-1.24
1b33	48	27.27	-115	3.49	4293.00	mt	980547.07	3.45	-146.42	-1.31
1b34	48	27.41	-115	1.80	4445.00	mt	980535.11	2.87	-151.61	-1.34
1b35	48	31.17	-115	2.46	4822.00	mt	980515.24	3.16	-164.46	-1.39
1b36	48	32.61	-115	1.55	5046.00	mt	980504.00	2.95	-172.10	-1.42
1b37	48	33.14	-115	1.37	4807.00	mt	980519.02	2.78	-163.95	-1.39
1b38	48	33.82	-115	1.36	4357.00	mt	980545.95	2.47	-148.60	-1.32
1b39	48	34.61	-115	1.35	3884.00	mt	980573.34	3.21	-132.47	-1.24
1b40	48	33.53	-115	3.05	4135.00	mt	980560.52	2.76	-141.03	-1.28
1b41	48	32.27	-115	4.31	3613.00	mt	980584.85	8.57	-123.23	-1.18
1b42	48	31.86	-115	5.23	3096.00	mt	980612.01	9.92	-105.60	-1.07
1b43	48	32.10	-115	9.29	2672.00	mt	980640.59	12.50	-91.13	-0.96
1b44	48	31.79	-115	7.57	2745.00	mt	980630.10	16.06	-93.62	-0.98
1b45	48	32.21	-115	11.09	2606.00	mt	980649.52	8.49	-88.88	-0.94
1b48	48	16.57	-115	18.47	2384.00	mt	980628.81	5.80	-81.31	-0.88
1b49	48	13.01	-115	16.31	2516.00	mt	980614.91	4.23	-85.81	-0.91
1b50	48	12.33	-115	16.56	2535.00	mt	980612.27	4.21	-86.46	-0.92
1b51	48	11.21	-115	16.99	2564.00	mt	980606.94	4.93	-87.45	-0.93
1b52	48	9.93	-115	17.61	2623.00	mt	980602.19	5.56	-89.46	-0.94
1b53	48	9.49	-115	17.77	2665.00	mt	980598.45	5.34	-90.90	-0.96
1b10	48	18.85	-115	25.72	4610.00	mt	980497.80	4.19	-157.23	-1.36
1b11	48	20.11	-115	26.27	4420.00	mt	980512.36	4.74	-150.75	-1.33
1b12	48	21.40	-115	27.74	3625.00	mt	980563.44	2.65	-123.64	-1.19
1b13	48	22.08	-115	27.52	4305.00	mt	980515.28	11.06	-146.83	-1.31
1b14	48	21.05	-115	28.43	3285.00	mt	980580.72	3.96	-112.04	-1.11
1b15	48	20.58	-115	29.36	2579.00	mt	980620.38	4.10	-87.96	-0.93
1b16	48	20.05	-115	29.62	2436.00	mt	980628.47	4.40	-83.08	-0.89
1b17	48	19.11	-115	30.57	2570.00	mt	980631.91	3.02	-87.66	-0.93
1b18	48	23.55	-115	31.35	2108.00	mt	980651.25	3.45	-71.90	-0.79
1b19	48	23.79	-115	18.04	2391.00	mt	980648.17	7.37	-81.55	-0.88
1b20	48	23.25	-115	15.77	2851.00	mt	980622.19	6.42	-97.24	-1.01
1b21	48	23.64	-115	16.04	3070.00	mt	980611.25	3.59	-104.71	-1.06
1b22	48	24.28	-115	16.79	3308.00	mt	980598.71	2.71	-112.83	-1.12
1b24	48	28.69	-115	15.04	2578.00	mt	980654.41	3.64	-87.93	-0.93
1b25	48	28.60	-115	13.75	2847.00	mt	980638.01	3.14	-97.10	-1.00
1b26	48	28.47	-115	12.40	3027.00	mt	980627.47	3.84	-103.24	-1.05
1b27	48	28.32	-115	11.23	3287.00	mt	980612.32	3.24	-112.11	-1.11
1b28	48	28.40	-115	10.19	3524.00	mt	980595.66	3.44	-120.19	-1.16
1b30	48	27.68	-115	3.52	4112.00	mt	980554.63	5.73	-140.25	-1.28
1b31	48	27.81	-115	4.53	4010.00	mt	980560.10	9.35	-136.77	-1.26
1b32	48	27.94	-115	5.45	3919.00	mt	980565.01	9.51	-133.67	-1.24
1b33	48	27.27	-115	3.49	4293.00	mt	980547.07	3.45	-146.42	-1.31
1b34	48	27.41	-115	1.80	4445.00	mt	980535.11	2.87	-151.61	-1.34
1b35	48	31.17	-115	2.46	4822.00	mt	980515.24	3.16	-164.46	-1.39
1b36	48	32.61	-115	1.55	5046.00	mt	980504.00	2.95	-172.10	-1.42
1b37	48	33.14	-115	1.37	4807.00	mt	980519.02	2.78	-163.95	-1.39
1b38	48	33.82	-115	1.36	4357.00	mt	980545.95	2.47	-148.60	-1.32
1b39	48	34.61	-115	1.35	3884.00	mt	980573.34	3.21	-132.47	-1.24
1b40	48	33.53	-115	3.05	4135.00	mt	980560.52	2.76	-141.03	-1.28
1b41	48	32.27	-115	4.31	3613.00	mt	980584.85	8.57	-123.23	-1.18
1b42	48	31.86	-115	5.23	3096.00	mt	980612.01	9.92	-105.60	-1.07
1b43	48	32.10	-115	9.29	2672.00	mt	980640.59	12.50	-91.13	-0.96
1b44	48	31.79	-115	7.57	2745.00	mt	980630.10	16.06	-93.62	-0.98
1b45	48	32.21	-115	11.09	2606.00	mt	980649.52	8.49	-88.88	-0.94
1b48	48	16.57	-115	18.47	2384.00	mt	980628.81	5.80	-81.31	-0.88
1b49	48	13.01	-115	16.31	2516.00	mt	980614.91	4.23	-85.81	-0.91
1b50	48	12.33	-115	16.56	2535.00	mt	980612.27	4.21	-86.46	-0.92
1b51	48	11.21	-115	16.99	2564.00	mt	980606.94	4.93	-87.45	-0.93
1b52	48	9.93	-115	17.61	2623.00	mt	980602.19	5.56	-89.46	-0.94
1b53	48	9.49	-115	17.77	2665.00	mt	980598.45	5.34	-90.90	-0.96
1b10	48	18.85	-115	25.72	4610.00	mt	980497.80	4.19	-157.23	-1.36
1b11	48	20.11	-115	26.27	4420.00	mt	980512.36	4.74	-150.75	-1.33
1b12	48	21.40	-115	27.74	3625.00	mt	980563.44	2.65	-123.64	-1.19
1b13	48	22.08	-115	27.52	4305.00	mt	980515.28	11.06	-146.83	-1.31
1b14	48	21.05	-115	28.43	3285.00	mt	980580.72	3.96	-112.04	-1.11
1b15	48	20.58	-115	29.36	2579.00	mt	980620.38	4.10	-87.96	-0.93
1b16	48	20.05	-115	29.62	2436.00	mt	980628.47	4.40	-83.08	-0.89
1b17	48	19.11	-115	30.57	2570.00	mt	980631.91	3.02	-87.66	-0.93
1b18	48	23.55	-115	31.35	2108.00	mt	980651.25	3.45	-71.90	-0.79
1b19	48	23.79	-115	18.04	2391.00	mt	980648.17	7.37	-81.55	-0.88
1b20	48	23.25	-115	15.77	2851.00	mt	980622.19	6.42	-97.24	-1.01
1b21	48	23.64	-115	16.04	3070.00	mt	980611.25	3.59	-104.71	-1.06
1b22	48	24.28	-115	16.79	3308.00	mt	980598.71	2.71	-112.83	-1.12
1b24	48	28.69	-115	15.04	2578.00	mt	980654.41	3.64	-87.93	-0.93
1b25	48	28.60	-115	13.75	2847.00	mt	980638.01	3.14	-97.10	-1.00
1b26	48	28.47	-115	12.40	3027.00	mt	980627.47	3.84	-103.24	-1.05
1b27	48	28.32	-115	11.23	3287.00	mt	980612.32	3.24	-112.11	-1.11
1b28	48	28.40	-115	10.19	3524.00	mt	980595.66	3.44	-120.19	-1.16
1b30	48	27.68	-115	3.52	4112.00	mt	980554.63	5.73	-140.25	-1.28
1b31	48	27.81	-115	4.53	4010.00	mt	980560.10	9.35	-136.77	-1.26
1b32	48	27.94	-115	5.45	3919.00	mt	980565.01	9.51	-133.67	-1.24
1b33	48	27.27	-115	3.49	4293.00	mt	980547.07	3.45	-146.42	-1.31
1b34	48	27.41	-115	1.80	4445.00	mt	980535.11	2.87	-151.61	-1.34
1b35	48	31.17	-115	2.46	4822.00	mt	980515.24	3.16	-164.46	-1.39
1b36	48	32.61	-115	1.55	5046.00	mt	980504.00	2.95	-172.10	-1.42
1b37	48	33.14	-115	1.37	4807.00	mt	980519.02	2.78	-163.95	-1.39
1b38	48	33.82	-115	1.36	4357.00	mt	980545.95	2.47	-148.60	-1.32
1b39	48	34.61	-115	1.35	3884.00	mt	980573.34	3.21	-132.47	-1.24
1b40	48	33.53	-115	3.05	4135.00	mt	980560.52	2.76	-141.03	-1.28
1b41										

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER dl=2.67
lb54 48	8.81	-115	16.89		2829.00	mt 980588.46	980903.36	7.80	-96.49	-1.00
lb55 48	8.59	-115	16.27		2966.00	mt 980580.21	980903.04	5.80	-101.16	-1.03
lb56 48	7.78	-115	14.96		3158.00	mt 980564.14	980901.82	10.74	-107.71	-1.08
lb57 48	7.15	-115	13.23		3503.00	mt 980544.42	980900.88	5.70	-119.48	-1.16
lb58 48	5.28	-115	12.86		3512.00	mt 980545.53	980898.07	2.93	-119.78	-1.16
lb59 48	6.07	-115	12.64		4147.00	mt 980508.83	980899.26	2.97	-141.44	-1.29
lb60 48	5.77	-115	10.38		3515.00	mt 980547.98	980898.80	1.25	-119.89	-1.16
lb61 48	5.88	-115	9.10		3413.00	mt 980554.94	980898.97	1.35	-116.41	-1.14
lb62 48	7.26	-115	11.00		4524.00	mt 980488.54	980901.04	3.93	-154.30	-1.35
lb63 48	11.53	-115	5.17		4230.00	mt 980524.73	980907.45	2.56	-144.27	-1.30
lb64 48	12.13	-115	5.31		4429.00	mt 980513.73	980908.35	3.26	-151.06	-1.33
lb65 48	11.86	-115	6.82		5130.00	mt 980466.65	980907.95	4.95	-174.97	-1.43
lb66 48	11.86	-115	7.65		5570.00	mt 980436.53	980907.95	7.99	-189.98	-1.47
lb67 48	12.80	-115	6.37		5404.00	mt 980453.35	980909.34	7.65	-184.31	-1.45
lb68 48	13.41	-115	4.31		4764.00	mt 980497.52	980910.27	3.44	-162.49	-1.38
lb69 48	14.02	-115	2.82		4424.00	mt 980521.52	980911.18	1.39	-150.89	-1.33
lb70 48	13.70	-115	1.44		4053.00	mt 980544.09	980910.70	1.00	-138.24	-1.27
lb71 48	10.29	-115	3.58		3492.00	mt 980565.96	980905.55	3.34	-119.10	-1.16
lb71a 48	14.10	-115	16.08		2575.00	mt 980614.58	980911.30	4.44	-87.83	-0.93
lb72 48	15.94	-115	15.66		4070.00	mt 980530.79	980914.06	4.02	-138.82	-1.27
lb73 48	15.12	-115	13.82		3392.00	mt 980572.18	980912.83	4.47	-115.69	-1.14
lb74 48	15.60	-115	13.28		3242.00	mt 980579.54	980913.55	5.86	-110.58	-1.10
lb75 48	15.88	-115	10.09		2747.00	mt 980610.04	980913.97	7.55	-93.69	-0.98
lb76 48	16.70	-115	8.62		3624.00	mt 980572.11	980915.20	2.64	-123.60	-1.19
rlb75 48	15.88	-115	10.09		2747.00	mt 980609.79	980913.97	7.55	-93.69	-0.98
lb77 48	15.86	-115	9.21		2778.00	mt 980611.79	980913.94	6.48	-94.75	-0.99
lb78 48	17.10	-115	5.34		3037.00	mt 980609.69	980915.80	1.88	-103.58	-1.05
lb79 48	17.96	-115	6.56		3404.00	mt 980587.68	980917.09	2.15	-116.10	-1.14
lb80 48	17.85	-115	3.93		3203.00	mt 980601.71	980916.92	1.82	-109.25	-1.09
lb81 48	18.98	-115	1.97		2931.00	mt 980618.44	980918.62	2.51	-99.97	-1.03
lb82 48	20.04	-115	2.23		2970.00	mt 980618.27	980920.20	2.42	-101.30	-1.04
lb83 48	23.22	-115	2.59		3580.00	mt 980586.09	980924.98	2.70	-122.10	-1.18
lb113 48	35.77	-115	1.01		3854.00	mt 980575.18	980943.77	2.22	-131.45	-1.23
lb114 48	36.30	-114	59.57		3746.00	mt 980579.94	980944.57	1.80	-127.77	-1.21
lb115 48	36.54	-115	1.89		3934.00	mt 980571.89	980944.93	1.69	-134.18	-1.25
lb116 48	37.62	-115	1.55		4189.00	mt 980555.89	980946.55	1.84	-142.87	-1.29
lb117 48	39.60	-115	2.90		4710.00	mt 980527.27	980949.51	1.93	-160.64	-1.37
lb118 48	39.64	-115	4.43		4943.00	mt 980515.79	980949.57	2.08	-168.59	-1.40
lb119 48	38.60	-115	5.45		6322.00	mt 980426.21	980948.01	12.20	-215.63	-1.51
lb120 48	38.15	-115	6.85		5717.00	mt 980471.33	980947.34	4.24	-194.99	-1.48

27

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE AIR	COMPLETE-BOUGUER d1=2.67
1b121	48 38.77	-115 7.16			5385.00	mt 980493.04	980948.27	3.93	-183.67	-1.45	-130.22
1b122	48 39.53	-115 7.00			4789.00	mt 980527.79	980949.40	3.95	-163.34	-1.38	-133.19
1b123	48 39.72	-115 6.39			4911.00	mt 980520.30	980949.69	3.54	-167.50	-1.40	-133.09
1b124	48 40.11	-115 4.93			5042.00	mt 980511.00	980950.27	1.97	-171.97	-1.42	-136.72
1b126	48 38.36	-115 4.34			5180.00	mt 980500.76	980947.65	3.27	-176.67	-1.43	-134.80
1b127	48 37.58	-115 5.42			5042.00	mt 980510.75	980946.48	2.77	-171.97	-1.42	-132.38
1b128	48 37.10	-115 4.61			4250.00	mt 980554.04	980945.77	4.38	-144.96	-1.30	-134.07
1b129	48 35.83	-115 3.66			3983.00	mt 980570.73	980943.87	1.88	-135.85	-1.26	-133.91
1b130	48 42.62	-115 4.66			4156.00	mt 980562.70	980954.02	2.87	-141.75	-1.29	-140.79
1b131	48 43.98	-115 4.48			3947.00	mt 980575.18	980956.06	3.89	-134.62	-1.25	-141.80
1b132	48 43.21	-115 4.74			4131.00	mt 980563.89	980954.91	3.16	-140.90	-1.28	-141.69
1b133	48 41.99	-115 5.44			4308.00	mt 980554.49	980953.09	3.06	-146.93	-1.31	-138.79
1b134	48 41.43	-115 5.66			4443.00	mt 980546.68	980952.25	2.44	-151.54	-1.33	-138.32
1b135	48 40.60	-115 6.50			4615.00	mt 980537.46	980951.01	3.00	-157.40	-1.36	-135.47
1b136	48 32.99	-115 19.10			3015.00	mt 980634.73	980939.61	4.73	-102.83	-1.05	-120.56
1b137	48 33.57	-115 17.25			3065.00	mt 980631.00	980940.48	5.52	-104.54	-1.06	-121.39
1b138	48 33.29	-115 16.52			3236.00	mt 980622.38	980940.05	3.95	-110.37	-1.10	-120.96
1b139	48 36.03	-115 18.10			4766.00	mt 980535.29	980944.16	5.28	-162.55	-1.38	-119.50
1b140	48 35.33	-115 17.87			4430.00	mt 980555.71	980943.11	3.70	-151.09	-1.33	-119.68
1b141	48 34.52	-115 17.44			4110.00	mt 980574.09	980941.90	3.49	-140.18	-1.28	-119.40
1b142	48 36.47	-115 19.29			4908.00	mt 980528.21	980944.82	6.09	-167.40	-1.40	-117.94
1b143	48 34.04	-115 21.79			3850.00	mt 980587.21	980941.18	5.11	-131.31	-1.23	-119.46
1b144	48 34.62	-115 24.01			5323.00	mt 980499.27	980942.05	5.33	-181.55	-1.45	-120.07
1b145	48 34.26	-115 26.62			5567.00	mt 980483.95	980941.52	4.25	-189.87	-1.47	-121.35
1b146	48 33.47	-115 26.90			6100.00	mt 980440.58	980940.33	13.50	-208.05	-1.50	-122.42
1b147	48 33.32	-115 24.83			4475.00	mt 980547.71	980940.10	4.79	-152.63	-1.34	-120.89
1b148	48 33.49	-115 22.39			3667.00	mt 980597.00	980940.36	5.92	-125.07	-1.19	-118.96
1b149	48 33.11	-115 21.70			3502.00	mt 980605.82	980939.79	6.00	-119.44	-1.16	-119.33
1b150	48 32.27	-115 18.52			3094.00	mt 980630.44	980938.53	3.66	-105.53	-1.07	-120.14
1b151	48 50.73	-115 10.71			3010.00	mt 980641.77	980966.16	2.86	-102.66	-1.05	-142.25
1b152	48 52.29	-115 11.58			2646.00	mt 980664.51	980968.50	3.42	-90.25	-0.95	-142.99
1b153	48 51.75	-115 11.38			2800.00	mt 980655.70	980967.69	2.47	-95.50	-0.99	-142.76
1b154	48 51.38	-115 12.49			2954.00	mt 980647.12	980967.13	2.60	-100.75	-1.03	-141.48
1b155	48 51.31	-115 10.53			2955.00	mt 980646.07	980967.03	2.79	-100.79	-1.03	-142.17
1b156	48 50.95	-115 8.09			3107.00	mt 980632.98	980966.50	2.60	-105.97	-1.07	-145.84
1b157	48 50.22	-115 7.86			3259.00	mt 980624.12	980965.40	2.38	-111.16	-1.11	-144.77
1b158	48 49.63	-115 9.04			3620.00	mt 980603.49	980964.52	2.17	-123.47	-1.19	-143.18
1b159	48 49.09	-115 9.61			3946.00	mt 980583.99	980963.71	2.71	-134.59	-1.25	-141.88
1b160	48 49.02	-115 12.10			4134.00	mt 980572.58	980963.61	5.81	-141.00	-1.28	-138.87
1b161	48 48.61	-115 13.34			4333.00	mt 980564.14	980962.99	4.38	-147.79	-1.32	-136.24

Kalispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			E L E		G R A V I T Y ST OBSERVED	C O R R E C T I O N S		SPECIAL	A N O M A L I E S		COMPLETE-BOUGUER d1=2.67
	deg	min	deg	min	(in ft)		TERRAIN BOUGUER CURV (d1=2.67)	FREE AIR				
1b162	48	49.05	-115	8.38	3712.00	mt	980597.24	980963.65	0.00	-17.43	-143.44	
1b163	48	48.49	-115	8.63	3849.00	mt	980587.71	980962.82	0.00	-13.25	-143.41	
1b164	48	47.93	-115	9.91	4223.00	mt	980566.32	980961.97	0.00	1.35	-140.24	
1b165	48	47.15	-115	10.45	4509.00	mt	980549.48	980960.80	0.00	12.55	-137.12	
1b166	48	46.46	-115	10.32	4787.00	mt	980531.66	980959.77	0.00	21.89	-139.32	
1b167	48	43.22	-115	8.64	5752.00	mt	980471.83	980954.92	0.00	57.58	-135.15	
1b168	48	42.48	-115	8.68	5952.00	mt	980459.66	980953.82	0.00	65.32	-133.70	
1b169	48	41.93	-115	9.25	6108.00	mt	980450.21	980952.99	0.00	71.35	-132.13	
1b170	48	40.33	-115	10.20	6375.00	mt	980434.13	980950.60	0.00	82.75	-128.98	
1b171	48	39.36	-115	10.61	5862.00	mt	980466.93	980949.15	0.00	68.80	-128.25	
1b172	48	39.16	-115	8.20	5052.00	mt	980512.69	980948.85	0.00	38.75	-131.98	
1b173	48	37.82	-115	8.13	4857.00	mt	980523.51	980946.84	0.00	33.25	-130.02	
1b174	48	39.07	-115	12.28	5615.00	mt	980483.02	980948.72	0.00	62.12	-125.54	
1b175	48	40.84	-115	9.75	6283.00	mt	980439.07	980951.37	0.00	78.28	-130.91	
1b176	48	44.45	-115	9.45	5385.00	mt	980495.50	980956.77	0.00	44.93	-135.81	
1b177	48	45.08	-115	9.57	5214.00	mt	980506.69	980957.71	0.00	39.11	-136.83	
1b178	48	47.21	-115	11.96	5385.00	mt	980499.33	980960.90	0.00	44.63	-135.65	
1b179	48	46.17	-115	14.49	4407.00	mt	980555.69	980959.34	0.00	10.64	-130.25	
1b180	48	45.54	-115	13.69	3188.00	mt	980622.83	980958.40	0.00	-35.85	-135.92	
1b181	48	47.20	-115	39.72	3411.00	mt	980625.04	980960.88	0.00	-15.16	-130.31	
1b182	48	48.86	-115	39.61	3310.00	mt	980634.21	980963.37	0.00	-17.96	-129.70	
1b183	48	49.22	-115	38.25	3452.00	mt	980625.84	980963.91	0.00	-13.52	-129.32	
1b189	48	50.99	-115	34.69	5402.00	mt	980511.24	980966.55	0.00	52.48	-123.49	
1b190	48	50.28	-115	41.77	3026.00	mt	980654.42	980965.49	0.00	-26.57	-127.97	
1b191	48	52.11	-115	39.91	3042.00	mt	980655.35	980968.23	0.00	-26.88	-126.59	
1b192	48	54.15	-115	39.81	2983.00	mt	980660.93	980971.28	0.00	-29.90	-127.90	
1b193	48	55.42	-115	39.23	3004.00	mt	980662.23	980973.18	0.00	-28.52	-127.01	
1b194	48	56.19	-115	38.64	3051.00	mt	980660.10	980974.33	0.00	-27.38	-127.12	
1b195	48	57.51	-115	36.60	3115.00	mt	980659.73	980976.30	0.00	-23.71	-127.03	
1b196	48	56.89	-115	34.35	3364.00	mt	980643.91	980975.38	0.00	-15.20	-127.60	
1b197	48	56.60	-115	31.72	3918.00	mt	980609.73	980974.94	0.00	3.13	-128.05	
1b198	48	52.70	-115	32.84	6007.00	mt	980476.17	980969.11	0.00	71.70	-119.73	
1b199	48	54.73	-115	32.00	5680.00	mt	980499.06	980972.15	0.00	60.83	-125.28	
1b200	48	53.71	-115	32.46	5200.00	mt	980530.53	980970.63	0.00	48.72	-123.41	
1b201	48	53.27	-115	32.78	4980.00	mt	980540.62	980969.96	0.00	38.79	-126.62	
1b202	48	54.46	-115	33.49	4655.00	mt	980563.92	980971.74	0.00	29.78	-127.09	
1b203	48	55.12	-115	31.30	4360.00	mt	980580.12	980972.73	0.00	17.26	-126.93	
1b204	48	55.00	-115	30.41	5338.00	mt	980522.63	980972.55	0.00	51.86	-125.02	
1b205	48	56.61	-115	29.39	3703.00	mt	980619.32	980974.96	0.00	-7.51	-129.92	
1b206	48	53.41	-115	27.68	5105.00	mt	980534.87	980970.17	0.00	44.58	-123.79	

Kalispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y ST OBSERVED	THEORETICAL	C O R R E C T I O N S TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	A N O M A L I E S COMPLETE-BOUGUER dl=2.67			
	LATITUDE deg	LONGITUDE deg	min	min										
1b208	48	51.43	-115	25.83	5767.00	mt	980493.47	980967.21	3.36	-196.70	-1.48	0.00	68.35	-126.47
1b209	48	52.36	-115	22.78	5620.00	mt	980498.51	980968.60	3.48	-191.68	-1.47	0.00	58.18	-131.49
1b210	48	52.25	-115	21.55	5249.00	mt	980520.25	980968.44	3.33	-179.03	-1.44	0.00	45.23	-131.91
1b211	48	52.23	-115	20.87	5055.00	mt	980530.79	980968.41	4.68	-172.41	-1.42	0.00	37.57	-131.58
1b212	48	52.65	-115	19.97	4682.00	mt	980551.49	980969.04	5.96	-159.69	-1.37	0.00	22.59	-132.51
1b213	48	52.31	-115	18.99	4345.00	mt	980570.87	980968.52	5.76	-148.20	-1.32	0.00	10.81	-132.95
1b214	48	52.54	-115	15.38	3218.00	mt	980634.03	980968.88	4.46	-109.76	-1.10	0.00	-32.30	-138.69
1b217	48	30.62	-115	15.47	2954.00	mt	980639.63	980936.05	6.08	-100.75	-1.03	0.00	-18.70	-114.40
1b223	48	38.13	-114	54.76	3353.00	mt	980599.56	980947.30	2.02	-114.36	-1.13	0.00	-32.51	-145.98
1b224	48	37.04	-114	52.78	4022.00	mt	980559.93	980945.67	1.43	-137.18	-1.26	0.00	-7.63	-144.65
1b225	48	36.45	-114	51.62	4425.00	mt	980534.96	980944.79	1.64	-150.92	-1.33	0.00	6.16	-144.46
1b226	48	36.12	-114	50.32	4969.00	mt	980501.57	980944.30	1.82	-169.48	-1.41	0.00	24.38	-144.68
1b227	48	35.58	-114	51.03	5485.00	mt	980467.37	980943.49	6.34	-187.08	-1.46	0.00	39.47	-142.72
1b228	48	35.08	-114	49.42	4598.00	mt	980521.63	980942.74	1.52	-156.82	-1.36	0.00	11.14	-145.53
1b229	48	35.07	-114	47.81	4322.00	mt	980536.48	980942.73	2.44	-147.41	-1.32	0.00	0.07	-146.22
1b230	48	35.62	-114	46.53	4362.00	mt	980532.99	980943.55	1.83	-148.78	-1.32	0.00	-0.49	-148.76
1b231	48	36.67	-114	45.67	3864.00	mt	980560.19	980945.13	3.98	-131.79	-1.23	0.00	-21.67	-150.72
1b232	48	34.38	-114	49.73	4330.00	mt	980537.26	980941.70	2.45	-147.68	-1.32	0.00	2.62	-143.93
1b233	48	33.18	-114	51.11	4675.00	mt	980518.63	980939.90	1.81	-159.45	-1.37	0.00	18.22	-140.79
1b234	48	32.42	-114	51.63	4793.00	mt	980512.00	980938.76	1.76	-163.48	-1.38	0.00	23.81	-139.29
1b235	48	33.02	-114	53.46	4808.00	mt	980511.52	980939.66	2.93	-163.99	-1.39	0.00	23.85	-138.60
1b236	48	32.50	-114	55.17	4209.00	mt	980547.57	980938.88	2.81	-143.56	-1.30	0.00	4.38	-137.66
1b237	48	33.24	-114	57.20	3704.00	mt	980578.04	980939.98	4.04	-126.33	-1.20	0.00	-13.72	-137.22
1b238	48	34.03	-114	56.72	3733.00	mt	980576.54	980941.17	3.61	-127.32	-1.21	0.00	-13.68	-138.60
1b239	48	36.50	-114	56.87	3450.00	mt	980595.36	980944.87	2.44	-117.67	-1.15	0.00	-25.16	-141.54
1b240	48	31.83	-114	56.83	3826.00	mt	980570.34	980937.88	4.35	-130.49	-1.23	0.00	-7.84	-135.21
1b241	48	31.30	-114	55.01	4397.00	mt	980537.96	980937.09	2.53	-149.97	-1.33	0.00	14.24	-134.53
1b242	48	30.53	-114	56.97	3895.00	mt	980565.52	980935.92	3.72	-132.85	-1.24	0.00	-4.22	-134.59
elb243	48	26.02	-115	25.88	2750.00	mt	980633.00	980929.17	5.89	-93.79	-0.98	0.00	-37.61	-126.50
elb244	48	25.38	-115	26.40	2600.00	mt	980631.90	980928.21	6.26	-88.68	-0.94	0.00	-51.86	-135.21
1b245	48	25.50	-115	28.50	3083.00	mt	980603.62	980928.39	4.35	-105.15	-1.06	0.00	-34.92	-136.78
1b247	48	15.95	-115	4.90	3434.00	mt	980582.53	980914.07	1.78	-117.12	-1.15	0.00	-8.69	-125.18
1b248	48	15.92	-115	3.45	3433.00	mt	980582.51	980914.02	2.22	-117.09	-1.15	0.00	-8.76	-124.78
1b249	48	15.46	-115	1.63	3550.00	mt	980575.34	980913.34	2.37	-121.08	-1.17	0.00	-4.24	-124.12
1b250	48	15.50	-115	0.29	4063.00	mt	980546.15	980913.40	1.44	-138.58	-1.27	0.00	14.72	-123.69
1b251	48	16.72	-115	3.05	3168.00	mt	980600.78	980915.23	1.68	-108.05	-1.08	0.00	-16.60	-124.05
1b252	48	17.39	-115	0.43	3334.00	mt	980592.04	980916.23	1.65	-113.71	-1.12	0.00	-10.74	-123.93
1b253	48	17.17	-114	58.97	3426.00	mt	980586.32	980915.91	2.94	-116.85	-1.14	0.00	-7.49	-122.54
1b254	48	17.13	-114	57.73	3493.00	mt	980581.96	980915.84	4.41	-119.14	-1.16	0.00	-5.49	-121.37
1b255	48	16.39	-114	57.41	3612.00	mt	980574.72	980914.73	2.45	-123.19	-1.18	0.00	-0.43	-122.36

59

Kallispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE AIR	COMPLETE-BOUGUER d1=2.67
1b256	48	15.44	-114	58.30	3549.00	mt	980577.34	980913.30	1.89	-121.05	-1.17
1b257	48	13.90	-114	58.86	3515.00	mt	980576.87	980911.00	1.45	-119.89	-1.16
1b258	48	13.71	-114	57.78	3599.00	mt	980571.86	980910.72	1.32	-122.75	-1.18
1b259	48	14.16	-114	55.54	3732.00	mt	980563.21	980911.39	1.65	-127.29	-1.21
1b260	48	14.50	-114	54.26	3837.00	mt	980557.03	980911.91	1.88	-130.87	-1.23
1b261	48	14.97	-114	56.40	3717.00	mt	980566.13	980912.60	1.40	-126.78	-1.21
1b262	48	15.45	-114	56.93	3858.00	mt	980559.26	980913.33	0.93	-131.59	-1.23
1b263	48	15.97	-114	56.69	3813.00	mt	980560.61	980914.11	2.31	-130.05	-1.22
1b264	48	16.83	-114	56.19	3867.00	mt	980556.60	980915.39	2.45	-131.89	-1.23
1b265	48	17.44	-114	56.26	3425.00	mt	980583.62	980916.31	4.31	-116.82	-1.14
1b266	48	21.88	-115	20.51	2124.00	mt	980652.33	980922.97	11.83	-72.44	-0.80
1b267	48	22.29	-115	25.94	2101.00	mt	980650.57	980923.58	10.63	-71.66	-0.79
1b268	48	23.06	-115	27.09	2097.00	mt	980650.90	980924.73	10.49	-71.52	-0.79
1b269	48	24.82	-115	28.00	2170.00	mt	980654.28	980927.38	4.91	-74.01	-0.81
1b270	48	24.75	-115	29.12	2226.00	mt	980649.63	980927.27	6.82	-75.92	-0.83
1b271	48	19.64	-114	15.68	2972.00	mt	980570.39	980919.60	0.35	-101.37	-1.04
1b272	48	18.77	-114	16.51	2961.00	mt	980571.87	980918.30	0.31	-100.99	-1.03
1b273	48	17.47	-114	16.52	2952.00	mt	980570.90	980916.36	0.28	-100.68	-1.03
1b274	48	17.48	-114	18.39	3025.00	mt	980572.77	980916.37	0.33	-103.17	-1.05
1b275	48	16.27	-114	18.47	3024.00	mt	980571.49	980914.55	0.15	-103.14	-1.05
1b276	48	16.39	-114	19.77	3030.00	mt	980574.45	980914.73	0.17	-103.34	-1.05
1b277	48	17.04	-114	21.08	3004.00	mt	980580.02	980915.71	0.19	-102.46	-1.04
1b278	48	16.82	-114	22.37	3054.00	mt	980579.62	980915.38	0.21	-104.16	-1.06
1b279	48	17.03	-114	23.67	3067.00	mt	980580.85	980915.69	0.29	-104.61	-1.06
1b280	48	17.04	-114	25.61	3134.00	mt	980580.72	980915.71	0.41	-106.89	-1.08
1b281	48	16.16	-114	24.97	3090.00	mt	980580.27	980914.38	0.49	-105.39	-1.07
1b282	48	15.29	-114	24.97	3117.00	mt	980578.54	980913.08	0.47	-106.31	-1.07
1b283	48	15.73	-114	26.28	3146.00	mt	980581.91	980913.75	0.76	-107.30	-1.08
1b284	48	16.75	-114	28.39	3261.00	mt	980575.48	980915.27	2.06	-111.22	-1.11
1b285	48	16.81	-114	29.93	3403.00	mt	980567.83	980915.37	2.80	-116.07	-1.14
1b286	48	16.47	-114	31.03	3580.00	mt	980559.68	980914.85	3.25	-122.10	-1.18
1b287	48	16.16	-114	32.73	3765.00	mt	980546.73	980914.38	3.88	-128.41	-1.21
1b288	48	16.45	-114	33.81	4032.00	mt	980531.75	980914.83	3.77	-137.52	-1.27
1b289	48	17.41	-114	28.48	3285.00	mt	980575.71	980916.27	1.54	-112.04	-1.11
1b290	48	18.94	-114	28.93	3367.00	mt	980571.38	980918.56	1.57	-114.84	-1.13
1b291	48	20.14	-114	31.30	4332.00	mt	980515.60	980920.36	1.81	-147.75	-1.32
1b292	48	19.34	-114	32.70	4638.00	mt	980498.20	980919.16	3.79	-158.19	-1.36
1b293	48	21.57	-114	32.32	4033.00	mt	980533.84	980922.50	2.45	-137.55	-1.27
1b294	48	22.58	-114	32.27	3443.00	mt	980568.29	980924.01	4.13	-117.43	-1.15
1b295	48	24.90	-114	35.22	3375.00	mt	980575.97	980927.49	4.08	-115.11	-1.13

Kalispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67
1b296	48 26.05	-114 34.21			3364.00	mt 980577.51	980929.22	2.60 -114.74	0.00	-35.44	-148.70
1b297	48 27.13	-114 33.73			3344.00	mt 980579.40	980930.84	1.41 -114.05	0.00	-37.04	-150.81
1b298	48 27.24	-114 31.50			3321.00	mt 980580.23	980931.00	1.07 -113.27	0.00	-38.54	-151.86
1b299	48 27.11	-114 30.31			3047.00	mt 980595.46	980930.80	1.54 -103.92	0.00	-48.87	-152.31
1b300	48 28.43	-114 30.20			3055.00	mt 980595.36	980932.77	1.27 -104.20	0.00	-50.20	-154.18
1b301	48 11.74	-114 22.57			3054.00	mt 980580.61	980907.77	0.60 -104.16	0.00	-40.02	-144.64
1b302	48 11.81	-114 24.91			3390.00	mt 980564.54	980907.86	1.02 -115.62	0.00	-24.61	-140.35
1b303	48 12.68	-114 23.64			3071.00	mt 980581.26	980909.16	1.12 -104.74	0.00	-39.18	-143.87
1b304	48 13.55	-114 24.65			3084.00	mt 980581.38	980910.47	1.45 -105.19	0.00	-39.14	-143.94
1b305	48 14.42	-114 24.96			3099.00	mt 980580.36	980911.77	0.84 -105.70	0.00	-40.06	-145.98
1b306	48 14.72	-114 27.59			3265.00	mt 980572.38	980912.23	2.29 -111.36	0.00	-32.88	-143.06
1b307	48 14.95	-114 28.99			3465.00	mt 980562.97	980912.58	2.52 -118.18	0.00	-23.84	-140.66
1b308	48 14.52	-114 30.67			3669.00	mt 980551.93	980911.93	2.94 -125.14	0.00	-15.06	-138.46
1b309	48 12.59	-114 28.86			3981.00	mt 980530.68	980909.03	2.47 -135.78	0.00	-4.09	-138.66
1b310	48 12.03	-114 29.15			3724.00	mt 980544.16	980908.20	2.54 -127.01	0.00	-13.92	-139.60
1b311	48 10.54	-114 28.62			3435.00	mt 980560.77	980905.96	1.92 -117.16	0.00	-22.24	-138.63
1b312	48 11.76	-114 30.37			4115.00	mt 980522.58	980907.79	2.90 -140.35	0.00	1.64	-137.09
1b313	48 12.51	-114 30.67			4408.00	mt 980506.32	980908.91	2.05 -150.34	0.00	11.80	-137.82
1b314	48 12.44	-114 31.86			4035.00	mt 980528.69	980908.80	2.87 -137.62	0.00	-0.78	-136.80
1b315	48 13.51	-114 34.46			4041.00	mt 980529.86	980910.42	2.65 -137.83	0.00	-0.65	-137.10
1b316	48 13.19	-114 35.79			3960.00	mt 980534.01	980909.93	1.68 -135.06	0.00	-3.64	-138.28
1b317	48 12.90	-114 36.91			4006.00	mt 980532.11	980909.50	1.79 -136.63	0.00	-0.78	-136.88
1b318	48 12.52	-114 38.34			4002.00	mt 980533.40	980908.93	2.86 -136.50	0.00	0.70	-134.19
1b319	48 10.65	-114 37.83			3957.00	mt 980534.63	980906.13	2.01 -134.96	0.00	0.51	-133.69
1b320	48 10.93	-114 36.83			3971.00	mt 980531.39	980906.55	0.98 -135.44	0.00	-1.83	-137.55
1b321	48 29.19	-114 31.52			3003.00	mt 980596.10	980933.92	1.27 -102.42	0.00	-55.48	-157.68
1b322	48 29.50	-114 32.39			3061.00	mt 980593.79	980934.38	1.12 -104.40	0.00	-52.81	-157.15
1b323	48 31.88	-114 34.77			3158.00	mt 980592.36	980937.95	1.28 -107.71	0.00	-48.68	-156.20
1b324	48 32.11	-114 36.93			3330.00	mt 980583.69	980938.30	1.76 -113.58	0.00	-41.53	-154.47
1b325	48 33.93	-114 40.71			3636.00	mt 980567.82	980941.02	3.01 -124.01	0.00	-31.37	-153.56
1b326	48 33.33	-114 42.12			4313.00	mt 980530.63	980940.12	3.63 -147.10	0.00	-4.03	-148.81
1b327	48 33.02	-114 43.11			4517.00	mt 980518.66	980939.66	3.65 -154.06	0.00	3.64	-148.12
1b328	48 32.04	-114 44.42			4869.00	mt 980499.77	980938.19	3.46 -166.07	0.00	19.30	-144.70
1b329	48 30.88	-114 46.93			5699.00	mt 980451.05	980936.45	4.42 -194.38	0.00	50.30	-141.13
1b330	48 32.39	-114 40.60			4705.00	mt 980505.34	980938.71	3.82 -160.47	0.00	8.93	-149.10
1b331	48 31.02	-114 39.93			4154.00	mt 980536.58	980936.66	3.85 -141.68	0.00	-9.56	-148.68
1b333	48 29.70	-114 40.02			3922.00	mt 980548.89	980934.68	2.26 -133.77	0.00	-17.08	-149.83
1b334	48 29.21	-114 41.25			4021.00	mt 980544.14	980933.95	2.60 -137.14	0.00	-11.79	-147.60
1b335	48 26.97	-114 42.42			4125.00	mt 980537.67	980933.59	2.65 -140.69	0.00	-8.12	-147.45
1b336	48 28.94	-114 44.19			4127.00	mt 980540.36	980933.54	2.42 -140.76	0.00	-5.20	-144.83

72

BOUGUER GRAVITY DATA

Kelispell CUSMAP Gravity Stations
USGS 1967-1984
Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				ELE (in ft)	G R A V I T Y ST OBSERVED	C O R R E C T I O N S TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	A N O M A L I E S COMPLETE-BOUGUER dl=2.67					
	LATITUDE deg	LONGITUDE deg	min	min										
1b337	48	28.11	-114	44.57	4176.00	mt	980537.93	980932.30	1.91	-142.43	-1.29	0.00	-1.79	-143.60
1b338	48	6.98	-114	34.63	3592.00	mt	980549.40	980900.62	3.13	-122.51	-1.18	0.00	-13.52	-134.08
1b339	48	8.63	-114	34.72	3858.00	mt	980536.55	980903.09	1.52	-131.59	-1.23	0.00	-3.85	-135.14
1b340	48	9.44	-114	35.11	3902.00	mt	980534.57	980904.30	1.83	-133.09	-1.24	0.00	-2.90	-135.40
1b341	48	10.60	-114	35.35	3889.00	mt	980537.09	980906.05	2.05	-132.64	-1.24	0.00	-3.34	-135.17
1b342	48	7.68	-114	34.57	3833.00	mt	980535.01	980901.67	0.92	-130.73	-1.23	0.00	-6.31	-137.35
1b343	48	7.31	-114	42.13	3965.00	mt	980532.24	980901.11	0.86	-135.23	-1.25	0.00	3.89	-131.74
1b344	48	9.09	-114	43.11	3958.00	mt	980535.37	980903.79	1.42	-135.00	-1.25	0.00	3.68	-131.14
1b345	48	11.24	-114	47.95	3880.00	mt	980546.02	980907.01	1.86	-132.34	-1.24	0.00	3.78	-127.93
1b346	48	11.55	-114	50.88	4227.00	mt	980528.30	980907.48	1.58	-144.17	-1.30	0.00	18.20	-125.69
1b348	48	12.08	-114	54.52	3580.00	mt	980568.67	980908.27	1.92	-122.10	-1.18	0.00	-3.03	-124.39
1b349	48	10.49	-114	56.10	3592.00	mt	980565.11	980905.88	1.79	-122.51	-1.18	0.00	-3.08	-124.98
1b350	48	10.16	-114	53.31	3585.00	mt	980563.13	980905.39	1.44	-122.27	-1.18	0.00	-5.21	-127.23
1b351	48	9.87	-114	50.94	3551.00	mt	980563.63	980904.95	1.21	-121.11	-1.17	0.00	-7.48	-128.55
1b352	48	9.57	-114	48.92	3537.00	mt	980564.15	980904.51	1.54	-120.64	-1.17	0.00	-7.82	-128.09
1b353	48	9.72	-114	47.10	3628.00	mt	980558.22	980904.73	1.46	-123.74	-1.19	0.00	-5.43	-128.89
1b354	48	20.99	-114	49.69	4911.00	mt	980493.02	980921.63	3.67	-167.50	-1.40	0.00	33.05	-132.18
1b355	48	20.44	-114	48.83	4936.00	mt	980491.12	980920.80	3.86	-168.35	-1.40	0.00	34.32	-131.57
1b356	48	20.90	-114	47.33	5180.00	mt	980475.60	980921.49	3.64	-176.67	-1.43	0.00	41.04	-133.42
1b357	48	19.54	-114	47.70	4559.00	mt	980512.40	980919.46	2.67	-155.49	-1.35	0.00	21.52	-132.65
1b358	48	13.73	-114	43.91	4877.00	mt	980485.92	980910.74	2.34	-166.34	-1.40	0.00	33.64	-131.75
1b359	48	12.98	-114	43.68	4905.00	mt	980484.17	980909.62	4.17	-167.30	-1.40	0.00	35.65	-128.87
1b360	48	5.93	-114	41.05	3924.00	mt	980529.77	980899.04	0.65	-133.84	-1.25	0.00	-0.36	-134.80
1b361	48	5.96	-114	43.61	3927.00	mt	980531.70	980899.09	0.77	-133.94	-1.25	0.00	1.80	-132.61
1b362	48	5.59	-114	41.97	3903.00	mt	980531.56	980898.54	0.74	-133.12	-1.24	0.00	-0.04	-133.66
1b363	48	4.68	-114	41.38	3918.00	mt	980529.43	980897.17	0.73	-133.63	-1.24	0.00	0.60	-133.54
1b364	48	4.04	-114	40.88	3909.00	mt	980528.47	980896.20	1.18	-133.32	-1.24	0.00	-0.24	-133.63
1b365	48	28.94	-114	44.19	4127.00	mt	980540.44	980933.54	2.42	-140.76	-1.28	0.00	-5.12	-144.75
1b366	48	28.44	-114	45.48	4217.00	mt	980536.34	980932.80	2.23	-143.83	-1.30	0.00	-0.01	-142.91
1b366	48	29.13	-114	46.97	4441.00	mt	980525.25	980933.83	3.40	-151.47	-1.33	0.00	8.91	-140.49
1b367	48	29.63	-114	48.03	4631.00	mt	980515.40	980934.58	1.80	-157.95	-1.36	0.00	16.17	-141.35
1b368	48	30.31	-114	50.01	5036.00	mt	980494.27	980935.60	2.34	-171.76	-1.41	0.00	32.08	-138.76
1b369	48	30.35	-114	51.59	5585.00	mt	980461.16	980935.66	2.43	-190.49	-1.47	0.00	50.50	-139.02
1b370	48	30.96	-114	52.66	4997.00	mt	980498.06	980936.57	3.60	-170.43	-1.41	0.00	31.23	-137.01
1b371	48	31.22	-114	51.99	5062.00	mt	980494.67	980936.95	3.40	-172.65	-1.42	0.00	33.56	-137.11
1b372	48	30.08	-114	53.26	4862.00	mt	980505.09	980935.25	3.10	-165.83	-1.39	0.00	26.90	-137.23
1b373	48	28.16	-114	51.42	4765.00	mt	980509.82	980932.38	1.84	-162.52	-1.38	0.00	25.38	-136.68
1b374	48	27.44	-114	50.24	4549.00	mt	980521.36	980931.30	1.89	-155.15	-1.35	0.00	17.71	-136.91
1b375	48	26.82	-114	51.88	4854.00	mt	980503.04	980930.37	2.97	-165.56	-1.39	0.00	28.98	-135.00
1b376	48	27.40	-114	48.75	4388.00	mt	980527.93	980931.24	4.87	-149.66	-1.33	0.00	9.20	-136.91

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE deg	min	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL AIR	FREE COMPLETE-BOUGUER dl=2.67
1b377	48	27.63	-114	46.69	4219.00	mt 980535.41	980931.58	4.31 -143.90	0.00	0.46 -140.43
1b378	48	26.64	-114	49.59	4692.00	mt 980511.24	980930.10	3.27 -160.03	0.00	22.22 -135.91
1b379	48	25.56	-114	48.72	5305.00	mt 980472.45	980928.48	3.73 -180.94	0.00	42.66 -135.99
1b380	48	25.35	-114	50.20	4828.00	mt 980502.13	980928.16	3.77 -164.67	0.00	27.83 -134.46
1b381	48	25.51	-114	50.91	4982.00	mt 980493.37	980928.41	3.11 -169.92	0.00	33.29 -134.93
1b382	48	24.62	-114	49.56	5202.00	mt 980478.95	980927.07	2.80 -177.43	0.00	40.89 -135.17
1b383	48	23.72	-114	49.43	4866.00	mt 980497.28	980925.72	3.29 -165.97	0.00	28.99 -135.08
1b384	48	22.57	-114	48.81	4409.00	mt 980522.58	980924.00	4.79 -150.38	0.00	13.06 -133.85
1b385	48	22.63	-114	47.09	4197.00	mt 980532.51	980924.09	6.88 -143.15	0.00	2.98 -134.58
1b386	48	22.95	-114	44.72	4049.00	mt 980540.49	980924.57	5.38 -138.10	0.00	-3.42 -137.41
1b387	48	23.10	-114	42.28	4026.00	mt 980541.92	980924.79	3.15 -137.32	0.00	-4.38 -139.81
1b388	48	22.26	-114	41.13	4000.00	mt 980543.07	980923.53	1.72 -136.43	0.00	-4.42 -140.39
elb389	48	21.55	-114	41.88	4000.00	mt 980541.46	980922.47	4.63 -136.43	0.00	-4.96 -138.02
elb390	48	21.20	-114	41.75	4010.00	mt 980539.09	980921.95	4.44 -136.77	0.00	-5.86 -139.46
1b391	48	24.05	-114	39.05	4008.00	mt 980541.34	980926.21	1.45 -136.70	0.00	-8.07 -144.59
1b392	48	21.81	-114	38.00	4357.00	mt 980518.52	980922.86	3.49 -148.60	0.00	5.26 -141.17
1b393	48	20.48	-114	39.20	4103.00	mt 980532.62	980920.86	3.96 -139.94	0.00	-2.52 -139.78
1b394	48	19.64	-114	38.57	4315.00	mt 980520.59	980919.60	2.12 -147.17	0.00	6.64 -139.73
1b395	48	25.31	-114	37.53	3638.00	mt 980561.25	980928.10	4.37 -124.08	0.00	-24.83 -145.73
1b396	48	25.30	-114	36.20	3502.00	mt 980570.90	980928.09	2.87 -119.44	0.00	-27.95 -145.68
rlb297	48	27.13	-114	33.73	3344.00	mt 980579.48	980930.84	1.41 -114.05	0.00	-36.96 -150.73
1b397	48	14.08	-114	19.77	3014.00	mt 980576.92	980911.27	0.15 -102.80	0.00	-50.97 -154.67
1b398	48	15.30	-114	19.77	3013.00	mt 980575.41	980913.10	0.14 -102.76	0.00	-54.41 -158.08
1b399	48	17.70	-114	19.78	3036.00	mt 980577.22	980916.70	0.31 -103.55	0.00	-54.04 -158.33
1b400	48	19.22	-114	20.08	3181.00	mt 980571.07	980918.98	0.17 -108.49	0.00	-48.84 -158.25
1b401	48	21.54	-114	20.08	3208.00	mt 980573.23	980922.45	0.36 -109.42	0.00	-47.61 -157.76
1b402	48	22.71	-114	20.07	3089.00	mt 980582.01	980924.21	0.36 -105.36	0.00	-51.78 -157.84
1b403	48	22.25	-114	17.01	3061.00	mt 980571.35	980923.52	0.37 -104.40	0.00	-64.38 -169.47
1b404	48	21.38	-114	15.69	2999.00	mt 980570.12	980922.21	0.40 -102.29	0.00	-70.13 -173.07
1b405	48	21.37	-114	14.38	2990.00	mt 980567.09	980922.20	0.50 -101.98	0.00	-73.99 -176.51
1b406	48	19.64	-114	14.14	2977.00	mt 980565.74	980919.60	0.50 -101.54	0.00	-73.97 -176.04
1b407	48	24.64	-114	21.05	3040.00	mt 980587.55	980927.10	0.84 -103.69	0.00	-53.74 -157.64
1b408	48	23.76	-114	25.55	3099.00	mt 980589.95	980925.78	1.04 -105.70	0.00	-44.47 -150.19
1b409	48	25.30	-114	27.75	3037.00	mt 980593.35	980928.09	1.21 -103.58	0.00	-49.20 -152.63
1b410	48	26.38	-114	28.82	3039.00	mt 980594.76	980929.71	1.16 -103.65	0.00	-49.23 -152.77
1b411	48	27.96	-114	29.76	3052.00	mt 980594.92	980932.08	1.41 -104.09	0.00	-50.21 -153.95
1b412	48	29.63	-114	31.50	3036.00	mt 980593.93	980934.58	1.56 -103.55	0.00	-55.21 -158.25
1b413	48	33.19	-114	34.32	3180.00	mt 980591.63	980939.91	1.58 -108.46	0.00	-49.31 -157.27
1b414	48	34.41	-114	35.31	3342.00	mt 980583.61	980941.73	1.80 -113.99	0.00	-43.93 -157.24
1b415	48	35.47	-114	36.28	3225.00	mt 980590.63	980943.33	2.78 -110.00	0.00	-49.49 -157.80

Kalispell CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER d1=2.67
1b416	48 48.66	-114 54.24			2944.00	mt 980618.74	980963.07	2.67 -100.41 -1.03	0.00	-67.54	-166.31
1b417	48 49.49	-114 52.04			3333.00	mt 980598.39	980964.30	5.77 -113.68 -1.12	0.00	-52.57	-161.60
1b418	48 49.98	-114 50.58			3361.00	mt 980593.67	980965.04	10.09 -114.63 -1.13	0.00	-55.39	-161.06
1b419	48 53.43	-114 47.93			3941.00	mt 980562.68	980970.20	9.83 -134.42 -1.25	0.00	-37.02	-162.86
1b420	48 53.81	-114 46.41			4115.00	mt 980552.10	980970.77	9.77 -140.35 -1.28	0.00	-31.82	-163.68
1b421	48 54.62	-114 46.14			4285.00	mt 980542.28	980971.98	10.42 -146.15 -1.31	0.00	-26.87	-163.91
1b422	48 55.75	-114 45.06			4519.00	mt 980530.50	980973.67	8.99 -154.13 -1.35	0.00	-18.36	-164.84
1b423	48 57.55	-114 45.21			5371.00	mt 980488.03	980976.37	3.09 -183.19 -1.45	0.00	16.55	-165.00
1b424	48 59.00	-114 44.87			5113.00	mt 980503.74	980978.53	4.07 -174.39 -1.42	0.00	5.85	-165.90
1b425	48 59.57	-114 45.74			5145.00	mt 980503.22	980979.38	4.06 -175.48 -1.43	0.00	7.48	-165.37
1b426	48 59.85	-114 47.18			4930.00	mt 980516.00	980979.80	4.15 -168.15 -1.40	0.00	-0.36	-165.76
1b427	48 59.52	-114 49.02			4814.00	mt 980522.08	980979.30	5.28 -164.19 -1.39	0.00	-4.69	-164.99
1b428	48 58.84	-114 49.51			4889.00	mt 980519.85	980978.30	5.36 -166.75 -1.40	0.00	1.15	-161.64
1b429	48 58.10	-114 50.47			4992.00	mt 980513.54	980977.18	5.94 -170.26 -1.41	0.00	5.62	-160.11
1b430	48 57.55	-114 51.75			5041.00	mt 980509.14	980976.37	6.36 -171.93 -1.42	0.00	6.65	-160.34
1b431	48 56.43	-114 52.62			5400.00	mt 980491.68	980974.69	5.57 -184.18 -1.45	0.00	24.60	-155.47
1b432	48 56.63	-114 53.97			5730.00	mt 980472.74	980974.98	5.61 -195.43 -1.48	0.00	36.37	-154.94
1b433	48 58.12	-114 43.97			5038.00	mt 980507.38	980977.22	3.72 -171.83 -1.42	0.00	3.76	-165.77
1b434	48 59.93	-114 39.92			5189.00	mt 980498.87	980979.91	4.19 -176.98 -1.43	0.00	6.72	-167.50
1b435	48 59.61	-114 38.16			5291.00	mt 980493.51	980979.45	5.17 -180.46 -1.44	0.00	11.43	-165.30
1b436	48 59.13	-114 36.54			5455.00	mt 980480.56	980978.73	7.23 -186.05 -1.46	0.00	14.61	-165.67
1b437	48 58.73	-114 35.33			5673.00	mt 980469.43	980978.13	3.15 -193.49 -1.48	0.00	24.56	-167.26
1b438	48 58.00	-114 34.51			5422.00	mt 980482.40	980977.04	3.89 -184.93 -1.45	0.00	15.04	-167.46
1b439	48 57.33	-114 34.80			5102.00	mt 980500.77	980976.03	3.89 -174.01 -1.42	0.00	4.34	-167.20
1b440	48 56.61	-114 33.25			4773.00	mt 980516.21	980974.96	6.14 -162.79 -1.38	0.00	-10.06	-168.10
1b441	48 56.32	-114 31.43			4275.00	mt 980542.87	980974.52	8.89 -145.81 -1.31	0.00	-29.77	-168.00
1b442	48 56.00	-114 32.13			4344.00	mt 980536.93	980974.04	9.50 -148.16 -1.32	0.00	-28.75	-168.73
1b443	48 55.39	-114 34.85			4551.00	mt 980527.68	980973.13	10.01 -155.22 -1.35	0.00	-17.63	-164.19
1b444	48 55.41	-114 35.98			4645.00	mt 980522.98	980973.16	8.22 -158.43 -1.36	0.00	-13.52	-165.09
1b445	48 55.08	-114 37.85			4953.00	mt 980501.26	980972.67	7.31 -168.93 -1.41	0.00	-5.81	-168.84
1b446	48 54.57	-114 40.59			4978.00	mt 980499.98	980971.91	9.03 -169.79 -1.41	0.00	-3.97	-166.14
1b447	48 55.24	-114 41.48			5084.00	mt 980495.20	980972.91	8.71 -173.40 -1.42	0.00	0.20	-165.91
1b448	48 55.75	-114 45.06			4519.00	mt 980530.45	980973.67	8.99 -154.13 -1.35	0.00	-18.40	-164.89
1b449	48 44.50	-114 52.57			3038.00	mt 980610.38	980956.84	2.17 -103.62 -1.05	0.00	-60.84	-163.34
1b450	48 43.68	-114 52.70			3045.00	mt 980614.35	980955.62	1.95 -103.86 -1.05	0.00	-54.98	-157.94
1b451	48 42.52	-114 51.44			3055.00	mt 980612.50	980953.88	2.79 -104.20 -1.06	0.00	-54.16	-156.62
1b452	48 41.45	-114 52.95			3169.00	mt 980607.71	980953.30	1.46 -108.09 -1.08	0.00	-47.66	-155.37
1b453	48 40.20	-114 51.48			3223.00	mt 980603.08	980952.27	1.42 -109.93 -1.10	0.00	-46.19	-155.79
1b454	48 39.69	-114 49.97			3488.00	mt 980589.64	980950.41	1.98 -118.97 -1.16	0.00	-32.85	-150.99
1b455	48 39.69	-114 49.97			4008.00	mt 980557.31	980949.64	1.87 -136.70 -1.26	0.00	-15.53	-151.63

70

Kailaspeili CUSMAP Gravity Stations
 USGS 1967-1984
 Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL	FREE AIR	COMPLETE-BOUGUER dl=2.67
1b455	48 37.86	-114 48.85			4892.00	mt 980505.04	980946.91	2.49 -166.85	0.00	18.01	-147.75
1b456	48 37.64	-114 49.66			4615.00	mt 980521.40	980946.57	3.00 -157.40	0.00	8.67	-147.10
1b457	48 37.99	-114 50.91			4356.00	mt 980538.30	980947.10	2.37 -148.57	0.00	0.70	-146.82
1b458	48 39.00	-114 51.29			3859.00	mt 980567.97	980948.61	1.49 -131.62	0.00	-17.85	-149.21
1b459	48 39.29	-114 52.77			3581.00	mt 980584.71	980949.04	1.22 -122.14	0.00	-27.67	-149.76
1b460	48 39.89	-114 53.66			3345.00	mt 980597.82	980949.94	1.35 -114.09	0.00	-37.64	-151.50
1b461	48 40.88	-114 54.33			3401.00	mt 980597.98	980951.42	1.37 -116.00	0.00	-33.70	-149.46
1b462	48 39.31	-114 54.72			3401.00	mt 980598.35	980949.08	1.24 -116.00	0.00	-30.98	-146.87
1b463	48 39.51	-114 55.81			3481.00	mt 980594.72	980949.38	1.43 -118.73	0.00	-27.39	-145.84
1b464	48 39.81	-114 57.24			3666.00	mt 980585.53	980949.82	1.57 -125.04	0.00	-19.64	-144.30
1b465	48 41.48	-114 57.99			4605.00	mt 980528.02	980952.32	3.91 -157.06	0.00	8.60	-145.91
1b466	48 40.54	-114 59.02			4031.00	mt 980564.83	980950.92	1.77 -137.49	0.00	-7.13	-144.11
1b467	48 40.71	-115 0.50			4287.00	mt 980551.33	980951.17	1.75 -146.22	0.00	3.18	-142.60
1b468	48 43.22	-114 50.03			3142.00	mt 980604.77	980954.92	3.40 -107.16	0.00	-54.75	-159.60
1b469	48 45.74	-114 53.61			2965.00	mt 980611.96	980958.70	2.16 -101.13	0.00	-67.98	-167.98
1b470	48 45.79	-114 55.13			2947.00	mt 980619.24	980958.77	1.94 -100.51	0.00	-62.46	-162.06
1b471	48 45.84	-114 56.59			2993.00	mt 980621.02	980958.85	1.80 -102.08	0.00	-56.43	-157.75
1b472	48 45.72	-114 57.60			3081.00	mt 980619.08	980958.67	2.16 -105.08	0.00	-49.92	-153.91
1b473	48 44.74	-114 57.20			3281.00	mt 980607.05	980957.20	1.66 -111.91	0.00	-41.69	-153.05
1b474	48 44.49	-114 56.09			3790.00	mt 980573.47	980956.83	4.59 -129.27	0.00	-27.05	-152.95
1b475	48 45.33	-114 58.56			3100.00	mt 980617.93	980958.09	2.36 -105.73	0.00	-48.70	-153.14
1b476	48 44.60	-114 59.18			3422.00	mt 980600.25	980956.99	1.49 -116.71	0.00	-35.02	-151.39
1b477	48 47.02	-114 57.73			3013.00	mt 980618.04	980960.62	1.49 -102.76	0.00	-59.30	-161.62
1b478	48 47.95	-114 57.74			2808.00	mt 980631.73	980962.01	1.92 -95.77	0.00	-66.27	-161.11
1b479	48 48.04	-114 56.88			2853.00	mt 980626.96	980962.14	1.89 -97.31	0.00	-66.95	-163.37
1b480	48 56.27	-115 3.46			2680.00	mt 980649.45	980974.45	3.06 -91.41	0.00	-73.03	-162.33
1b481	48 59.92	-115 3.33			2699.00	mt 980657.19	980979.91	4.89 -92.06	0.00	-68.96	-157.09
1b482	48 59.09	-115 3.45			2746.00	mt 980653.27	980978.66	4.05 -93.66	0.00	-67.22	-157.80
1b483	48 56.05	-115 2.47			2802.00	mt 980640.33	980974.13	2.96 -95.57	0.00	-70.35	-163.95
1b484	48 56.46	-115 1.46			2973.00	mt 980631.70	980974.73	4.34 -101.40	0.00	-63.52	-161.61
1b485	48 57.25	-115 1.46			3089.00	mt 980628.96	980975.91	5.16 -105.36	0.00	-56.54	-157.80
1b486	48 58.09	-115 1.45			3381.00	mt 980614.10	980977.17	5.19 -115.32	0.00	-45.21	-156.46
1b487	48 58.66	-115 1.85			3476.00	mt 980608.92	980978.02	4.60 -118.56	0.00	-42.31	-157.42
1b488	48 59.33	-115 0.33			4362.00	mt 980556.16	980979.02	7.70 -148.78	0.00	-12.80	-155.19
1b489	48 59.13	-114 58.44			6152.00	mt 980448.23	980978.73	10.80 -209.83	0.00	47.77	-152.76
1b490	48 58.42	-114 57.98			6218.00	mt 980445.62	980977.66	9.35 -212.08	0.00	52.42	-151.82
1b491	48 58.12	-114 57.29			5974.00	mt 980458.72	980977.22	8.33 -203.76	0.00	43.04	-153.88
1b492	48 55.61	-115 0.56			3013.00	mt 980627.66	980973.46	5.19 -102.76	0.00	-62.53	-161.15
1b493	48 54.32	-115 1.07			2885.00	mt 980633.80	980971.53	2.92 -98.40	0.00	-66.49	-162.99
1b494	48 53.75	-115 0.14			2939.00	mt 980630.28	980970.68	3.18 -100.24	0.00	-64.08	-162.17

17

KalisPELL CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y ELE (in ft)	C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min		THEORETICAL (dl=2.67)	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
1b495	48 53.54	-114 58.76	3046.00 mt	980622.02	980970.37	0.00	-162.52
1b496	48 54.11	-114 58.66	3215.00 mt	980616.75	980971.22	0.00	-157.33
1b497	48 53.27	-114 57.71	3286.00 mt	980608.17	980969.96	0.00	-162.29
1b498	48 52.35	-114 56.90	3018.00 mt	980619.81	980968.59	0.00	-165.19
1b499	48 52.04	-114 55.20	3300.00 mt	980606.32	980968.12	0.00	-160.67
1b500	48 52.64	-114 55.55	3422.00 mt	980599.02	980969.02	0.00	-160.39
1b501	48 52.82	-114 54.68	3634.00 mt	980587.64	980969.29	0.00	-157.35
1b502	48 53.32	-114 53.65	4445.00 mt	980536.06	980970.04	0.00	-163.00
1b503	48 54.00	-114 54.28	4684.00 mt	980525.07	980971.05	0.00	-159.04
1b504	48 53.60	-114 55.39	4672.00 mt	980524.86	980970.45	0.00	-159.03
1b505	48 53.19	-114 53.11	4164.00 mt	980551.57	980969.84	0.00	-159.62
1b506	48 51.10	-114 53.23	3798.00 mt	980573.18	980966.72	0.00	-161.05
1b507	48 50.43	-114 53.17	3727.00 mt	980578.08	980965.72	0.00	-160.83
1b508	48 53.74	-115 13.49	2711.00 mt	980662.00	980970.67	0.00	-143.30
1b509	48 55.42	-115 14.48	3027.00 mt	980646.19	980973.18	0.00	-142.68
1b510	48 56.73	-115 15.95	3269.00 mt	980634.27	980975.14	0.00	-141.95
1b511	48 57.61	-115 16.25	3278.00 mt	980634.46	980976.45	0.00	-142.07
1b512	48 58.12	-115 17.34	3273.00 mt	980633.16	980977.22	0.00	-141.44
1b513	48 59.17	-115 17.51	4213.00 mt	980581.33	980978.79	0.00	-143.12
1b514	48 58.26	-115 18.91	3584.00 mt	980616.51	980977.42	0.00	-138.98
1b515	48 59.21	-115 21.53	4546.00 mt	980566.48	980978.84	0.00	-134.70
1b516	48 59.05	-115 22.83	5341.00 mt	980521.32	980978.61	0.00	-132.62
1b517	48 56.09	-115 21.25	5122.00 mt	980530.72	980974.18	0.00	-133.60
1b518	48 55.15	-115 21.40	5579.00 mt	980503.21	980972.78	0.00	-133.59
1b519	48 57.82	-115 29.11	4125.00 mt	980595.75	980976.77	0.00	-130.01
1b520	48 58.57	-115 28.06	4731.00 mt	980560.02	980977.89	0.00	-130.08
1b521	48 58.74	-115 26.87	5228.00 mt	980530.47	980978.14	0.00	-127.89
1b523	48 55.63	-114 44.06	4809.00 mt	980512.60	980973.49	0.00	-164.76
1b524	48 53.18	-114 44.77	4556.00 mt	980522.31	980969.83	0.00	-164.62
1b525	48 55.78	-114 49.05	5020.00 mt	980505.67	980973.72	0.00	-160.45
1b526	48 55.43	-114 48.73	5535.00 mt	980474.31	980973.19	0.00	-162.80
1b527	48 55.44	-114 49.48	5704.00 mt	980467.29	980973.21	0.00	-159.57
1b528	48 54.25	-114 48.32	4390.00 mt	980539.51	980971.43	0.00	-162.30
1b529	48 53.68	-114 48.69	4815.00 mt	980505.44	980970.58	0.00	-171.22
1b530	48 53.39	-114 49.37	5315.00 mt	980485.78	980970.14	0.00	-159.49
1b531	48 54.58	-114 49.46	4856.00 mt	980513.36	980971.92	0.00	-160.80
1b532	48 54.59	-114 51.20	5814.00 mt	980462.15	980971.94	0.00	-157.65
1b533	48 52.73	-114 48.30	3825.00 mt	980563.28	980969.15	0.00	-164.16
1b534	48 52.16	-114 48.54	3660.00 mt	980573.26	980968.30	0.00	-161.69
1b535	48 51.33	-114 49.61	3485.00 mt	980582.51	980967.06	0.00	-163.55

Kalispell CUSMAP Gravity Stations

USGS 1967-1984

Meter used: var.

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S				
	LATITUDE deg	LONGITUDE min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67				
1b536	48 50.44	-114 50.24	3395.00	mt	980590.60	980965.73	12.39	-115.79	-1.14	0.00	-55.95	-160.49
1b537	48 47.50	-114 56.03	2842.00	mt	980621.99	980961.34	1.94	-96.93	-1.00	0.00	-72.14	-168.14
1b538	48 46.86	-114 54.86	2919.00	mt	980614.95	980960.38	2.24	-99.56	-1.02	0.00	-70.98	-169.32
1b539	48 43.81	-114 51.48	3020.00	mt	980611.31	980955.81	3.43	-103.00	-1.05	0.00	-60.56	-161.19
1b540	48 42.29	-114 47.68	3124.00	mt	980602.52	980953.53	5.71	-106.55	-1.07	0.00	-57.30	-159.22
1b541	48 41.39	-114 46.86	3276.00	mt	980596.00	980952.19	4.09	-111.73	-1.11	0.00	-48.19	-156.95
1b542	48 40.30	-114 45.77	3296.00	mt	980594.39	980950.56	3.42	-112.42	-1.11	0.00	-46.29	-156.40
1b543	48 39.57	-114 44.78	3322.00	mt	980592.06	980949.46	4.11	-113.30	-1.12	0.00	-45.08	-155.39
1b544	48 38.84	-114 43.94	3254.00	mt	980594.85	980948.37	4.55	-110.98	-1.10	0.00	-47.59	-155.13
1b545	48 38.15	-114 41.80	3231.00	mt	980593.87	980947.34	5.65	-110.20	-1.10	0.00	-49.70	-155.35
1b546	48 37.69	-114 40.85	3285.00	mt	980590.41	980946.65	4.68	-112.04	-1.11	0.00	-47.39	-155.87
1b547	48 36.61	-114 38.74	3326.00	mt	980585.85	980945.03	3.23	-113.44	-1.12	0.00	-46.49	-157.82
1b548	48 41.11	-114 45.39	3397.00	mt	980586.64	980951.77	4.16	-115.86	-1.14	0.00	-45.76	-158.60
1b549	48 41.06	-114 44.04	3765.00	mt	980561.73	980951.70	5.35	-128.41	-1.21	0.00	-36.00	-160.28
1b550	48 41.95	-114 43.73	3919.00	mt	980551.95	980953.03	7.51	-133.67	-1.24	0.00	-32.64	-160.04
1b551	48 42.94	-114 43.70	4100.00	mt	980540.65	980954.51	10.20	-139.84	-1.28	0.00	-28.42	-159.33
1b552	48 43.67	-114 43.82	4173.00	mt	980538.38	980955.60	10.31	-142.33	-1.29	0.00	-24.92	-158.23
1b553	48 44.22	-114 43.84	4239.00	mt	980536.71	980956.42	8.52	-144.58	-1.30	0.00	-21.21	-158.57
1b554	48 44.51	-114 41.74	4901.00	mt	980497.35	980956.85	11.57	-167.16	-1.40	0.00	1.21	-155.78
1b555	48 44.83	-114 40.58	5036.00	mt	980491.67	980957.34	8.15	-171.76	-1.41	0.00	7.74	-157.29
1b556	48 43.88	-114 38.86	5306.00	mt	980472.68	980955.91	5.65	-180.97	-1.44	0.00	15.54	-161.23
1b557	48 42.56	-114 37.37	4974.00	mt	980493.40	980953.94	6.29	-169.65	-1.41	0.00	7.04	-157.73
1b558	48 41.32	-114 35.90	4801.00	mt	980502.94	980952.09	4.11	-163.75	-1.39	0.00	2.17	-158.85
1b559	48 40.81	-114 34.24	4437.00	mt	980521.47	980951.32	5.81	-151.33	-1.33	0.00	-12.74	-159.59
1b560	48 41.64	-114 34.68	4465.00	mt	980522.22	980952.56	7.19	-152.29	-1.34	0.00	-10.60	-157.04
1b561	48 42.29	-114 34.95	4530.00	mt	980517.24	980953.53	8.50	-154.51	-1.35	0.00	-10.44	-157.79
1b562	48 43.26	-114 35.50	4653.00	mt	980512.75	980954.98	9.52	-158.70	-1.37	0.00	-4.83	-155.37
1b563	48 44.05	-114 34.44	4933.00	mt	980493.80	980956.17	7.75	-168.25	-1.40	0.00	1.35	-160.55
1b564	48 44.95	-114 34.24	5537.00	mt	980462.68	980957.52	5.08	-188.85	-1.46	0.00	25.64	-159.59
1b565	48 45.25	-114 33.76	5544.00	mt	980460.75	980957.97	6.36	-189.09	-1.47	0.00	23.92	-160.27
1b566	48 45.93	-114 33.74	5386.00	mt	980469.45	980958.98	16.90	-183.70	-1.45	0.00	16.76	-151.49
1b567	48 46.44	-114 32.65	4888.00	mt	980495.52	980959.74	11.28	-166.72	-1.40	0.00	-4.73	-161.56
1b568	48 39.38	-114 33.01	4192.00	mt	980533.86	980949.18	6.93	-142.98	-1.29	0.00	-21.23	-158.57
1b569	48 37.58	-114 31.64	4063.00	mt	980537.51	980946.48	5.32	-138.58	-1.27	0.00	-27.01	-161.54
1b570	48 36.18	-114 30.53	3906.00	mt	980547.34	980944.39	4.41	-133.22	-1.24	0.00	-29.83	-159.89
1b571	48 36.81	-114 32.25	4185.00	mt	980533.29	980945.33	3.18	-142.74	-1.29	0.00	-18.61	-159.46
1b572	48 35.17	-114 30.14	3870.00	mt	980549.50	980942.88	3.28	-131.99	-1.24	0.00	-29.55	-159.50
1b573	48 34.42	-114 30.40	3851.00	mt	980549.80	980941.76	2.30	-131.35	-1.23	0.00	-29.92	-160.19
1b574	48 33.77	-114 31.34	3672.00	mt	980553.64	980940.77	1.70	-125.24	-1.20	0.00	-41.92	-166.66
1b575	48 33.66	-114 32.89	3402.00	mt	980575.79	980940.62	1.87	-116.03	-1.14	0.00	-44.99	-160.29

BOUGUER GRAVITY DATA

page 68

Kalispell CUSMAP Gravity Stations
 USGS 1967-84
 Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min	deg	min	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (di=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER di=2.67
1b473	48 44.74	-114 57.20			3180.00	mt 980591.76	980957.20	3.00 -108.46	0.00	-66.47
1b577	48 45.75	-114 51.02			3272.00	mt 980589.88	980958.71	4.19 -111.60	0.00	-173.02
1b578	48 45.69	-114 52.30			3017.00	mt 980603.54	980958.63	3.10 -102.90	0.00	-169.73
1b579	48 46.44	-114 51.77			3161.00	mt 980596.69	980959.74	3.54 -107.81	0.00	-172.28
1b580	48 47.06	-114 51.10			3433.00	mt 980587.63	980960.67	4.42 -117.09	0.00	-171.23
									0.00	-164.10
1b581	48 47.41	-114 49.91			3818.00	mt 980566.45	980961.20	6.25 -130.22	0.00	-50.29
1b582	48 47.92	-114 50.70			4052.00	mt 980554.80	980961.96	4.01 -138.20	0.00	-161.00
1b583	48 47.65	-114 48.13			4185.00	mt 980538.14	980961.56	13.50 -142.74	0.00	-161.69
1b584	48 47.65	-114 47.19			4583.00	mt 980516.57	980961.56	12.15 -156.31	0.00	-160.52
1b585	48 47.07	-114 47.20			5091.00	mt 980489.58	980960.69	8.07 -173.64	0.00	-29.99
									0.00	-14.15
									0.00	-159.67
									0.00	-159.53
1b586	48 46.96	-114 45.90			5462.00	mt 980468.31	980960.52	7.08 -186.29	0.00	7.46
1b587	48 45.50	-114 43.85			4731.00	mt 980508.34	980958.34	8.52 -161.36	0.00	21.22
1b588	48 45.81	-114 45.56			5568.00	mt 980462.80	980958.80	5.89 -189.91	0.00	-159.45
1b589	48 45.52	-114 46.57			6216.00	mt 980422.56	980958.38	10.83 -212.01	0.00	-159.47
1b590	48 45.87	-114 47.35			7343.00	mt 980334.69	980958.69	31.89 -250.45	0.00	-158.10
									0.00	-154.21
									0.00	-154.11
1b591	48 46.51	-114 42.17			5266.00	mt 980479.15	980959.85	7.96 -179.61	0.00	65.95
1b592	48 46.51	-114 41.36			5767.00	mt 980453.46	980959.85	3.32 -196.70	0.00	21.22
1b593	48 47.15	-114 39.91			6367.00	mt 980416.82	980960.80	3.61 -217.16	0.00	-159.16
1b594	48 46.71	-114 39.86			6620.00	mt 980399.84	980960.15	5.36 -225.79	0.00	-160.58
1b595	48 46.61	-114 39.34			6330.00	mt 980417.32	980960.00	4.40 -215.90	0.00	-160.02
									0.00	-160.70
1b596	48 46.11	-114 39.17			5845.00	mt 980445.50	980959.25	6.38 -199.36	0.00	52.31
1b555	48 44.83	-114 40.58			5036.00	mt 980491.74	980957.34	8.15 -171.76	0.00	35.67
1b597	48 56.25	-115 35.35			3312.00	mt 980644.65	980974.42	3.58 -112.96	0.00	7.81
1b598	48 56.41	-115 35.01			3373.00	mt 980644.18	980974.66	3.10 -115.04	0.00	-157.22
1b599	48 53.00	-115 31.06			7243.00	mt 980385.01	980969.55	30.02 -247.04	0.00	-128.89
									0.00	-13.37
									0.00	-126.44
									0.00	-122.32
r1	48 13.98	-114 9.82			2983.00	mt 980561.14	980911.12	0.89 -101.74	0.00	96.21
r2	48 14.85	-114 9.82			3000.00	mt 980560.40	980912.42	1.09 -102.32	0.00	-69.52
r3	48 14.84	-114 11.76			2982.00	mt 980560.76	980912.41	0.59 -101.71	0.00	-171.41
r4	48 13.99	-114 11.76			2972.00	mt 980562.45	980911.14	0.53 -101.37	0.00	-172.24
r5	48 16.15	-114 11.75			3023.00	mt 980557.59	980914.38	0.71 -103.11	0.00	-173.44
									0.00	-69.26
									0.00	-72.56
r6	48 17.02	-114 11.76			3048.00	mt 980556.13	980915.68	0.84 -103.96	0.00	-171.13
r7	48 17.04	-114 10.45			3052.00	mt 980558.26	980915.71	1.55 -104.09	0.00	-177.15
r8	48 17.04	-114 9.18			3117.00	mt 980557.73	980915.71	2.43 -106.31	0.00	-174.11
r9	48 16.16	-114 8.53			3044.00	mt 980560.05	980914.38	2.90 -103.82	0.00	-169.89
r10	48 15.06	-114 8.52			3038.00	mt 980559.78	980912.74	1.98 -103.62	0.00	-170.13
									0.00	-67.33
									0.00	-170.02
r11	48 15.07	-114 9.81			3034.00	mt 980558.53	980912.76	1.17 -103.48	0.00	-176.01
r12	48 16.16	-114 9.79			3059.00	mt 980557.67	980914.38	1.49 -104.33	0.00	-171.41
r13	48 18.13	-114 9.50			3048.00	mt 980563.69	980917.34	2.86 -103.96	0.00	-172.34
r14	48 18.13	-114 7.88			3044.00	mt 980570.53	980917.34	10.05 -103.82	0.00	-173.02
r15	48 18.77	-114 9.48			3052.00	mt 980564.71	980918.30	2.69 -104.09	0.00	-169.24
									0.00	-155.45
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	-176.01
									0.00	-177.15
									0.00	-174.11
									0.00	-169.89
									0.00	-170.13
									0.00	

Kalispell CUSMAP Gravity Stations

USGS 1967-84

Meter used: var

STATION IDENTIFICATION sta-1d	L O C A T I O N S LATITUDE LONGITUDE deg min deg min	ELE (in ft)	G R A V I T Y ST OBSERVED THEORETICAL	C O R R E C T I O N S TERRAIN BOUGUER CURV (d1=2.67)	A N O M A L I E S SPECIAL FREE COMPLETE-BOUGUER AIR d1=2.67
r16	48 19.86 -114 9.50	3069.00 mt	980565.16	980919.94	2.62 -104.67 -1.06
r17	48 20.08 -114 8.53	3077.00 mt	980569.05	980920.27	5.36 -104.95 -1.06
r18	48 20.73 -114 8.52	3073.00 mt	980569.52	980921.24	4.55 -104.81 -1.06
r19	48 20.73 -114 9.50	3069.00 mt	980566.34	980921.24	2.24 -104.67 -1.06
r20	48 20.73 -114 10.47	3058.00 mt	980563.78	980921.24	1.40 -104.30 -1.06
r21	48 21.10 -114 11.78	3061.00 mt	980562.50	980921.80	0.96 -104.40 -1.06
r22	48 19.85 -114 11.78	3047.00 mt	980560.93	980919.92	1.07 -103.92 -1.05
r23	48 19.85 -114 10.47	3072.00 mt	980561.83	980919.92	1.62 -104.78 -1.06
r24	48 18.76 -114 10.47	3066.00 mt	980560.59	980918.29	2.00 -104.57 -1.06
r25	48 18.76 -114 11.78	3058.00 mt	980558.29	980918.29	0.98 -104.30 -1.06
r26	48 17.89 -114 11.78	3046.00 mt	980557.86	980916.98	1.00 -103.89 -1.05
r27	48 18.12 -114 10.46	3057.00 mt	980559.71	980917.33	2.27 -104.27 -1.06
r28	48 21.39 -114 9.45	3089.00 mt	980566.15	980922.23	2.13 -105.36 -1.07
r29	48 21.60 -114 8.52	3089.00 mt	980568.94	980922.55	3.38 -105.36 -1.07
r30	48 22.26 -114 7.65	3086.00 mt	980574.90	980923.53	6.27 -105.25 -1.06
r31	48 23.08 -114 6.88	3037.00 mt	980577.42	980924.77	6.83 -103.58 -1.05
r32	48 22.05 -114 10.50	3018.00 mt	980567.59	980923.22	1.26 -102.94 -1.05
r33	48 23.12 -114 10.88	3069.00 mt	980564.15	980924.82	1.03 -104.67 -1.06
r34	48 23.13 -114 12.96	3072.00 mt	980563.45	980924.84	0.69 -104.78 -1.06
r35	48 23.99 -114 12.97	3197.00 mt	980558.13	980926.13	0.78 -109.04 -1.09
r36	48 24.86 -114 12.96	3302.00 mt	980555.30	980927.43	0.90 -112.62 -1.12
r37	48 24.00 -114 14.35	3108.00 mt	980566.22	980926.14	0.73 -106.00 -1.07
r38	48 24.54 -114 13.82	3209.00 mt	980560.95	980926.95	0.85 -109.45 -1.09
r39	48 25.71 -114 13.35	3439.00 mt	980550.38	980928.70	1.17 -117.29 -1.15
r40	48 26.34 -114 13.66	3535.00 mt	980546.86	980929.65	1.59 -120.57 -1.17
r41	48 27.03 -114 13.92	3704.00 mt	980543.63	980930.68	2.49 -126.33 -1.20
r42	48 28.36 -114 14.21	4104.00 mt	980527.14	980932.68	4.91 -139.98 -1.28
r43	48 29.30 -114 13.56	4219.00 mt	980519.88	980934.08	6.45 -143.90 -1.30
r44	48 29.91 -114 12.68	3942.00 mt	980535.55	980935.00	6.39 -134.45 -1.25
r45	48 30.32 -114 11.21	3672.00 mt	980551.96	980935.61	5.76 -125.24 -1.20
r46	48 29.15 -114 9.08	3643.00 mt	980554.33	980933.86	2.87 -124.25 -1.19
r47	48 27.07 -114 9.61	3387.00 mt	980568.16	980930.74	3.69 -115.52 -1.13
r48	48 26.34 -114 9.72	3323.00 mt	980568.87	980929.65	3.68 -113.34 -1.12
r49	48 25.42 -114 8.89	3260.00 mt	980569.18	980928.27	4.22 -111.19 -1.11
r50	48 23.56 -114 8.44	3099.00 mt	980570.89	980925.46	2.67 -105.70 -1.07
r51	48 24.21 -114 9.56	3210.00 mt	980565.00	980926.45	1.82 -109.48 -1.09
r52	48 17.90 -114 24.98	3119.00 mt	980581.42	980916.99	0.31 -106.38 -1.07
r53	48 17.89 -114 23.35	3051.00 mt	980582.00	980916.98	0.30 -104.06 -1.06
r54	48 17.90 -114 22.38	2992.00 mt	980584.89	980916.99	0.28 -102.05 -1.04
r55	48 19.19 -114 23.30	2979.00 mt	980588.45	980918.93	0.35 -101.61 -1.04

75

Kalispell CUSMAP Gravity Stations

USGS 1967-84

Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (cm^2/s^2)	SPECIAL	FREE AIR	COMPLETE-BOUGUER cm^2/s^2
r56	48 19.22	-114 22.23			2990.00	mt 980587.74	980918.98	0.37 -101.98 -1.04	0.00	-50.12	-152.77
r57	48 18.78	-114 24.97			3087.00	mt 980583.45	980918.32	0.36 -105.29 -1.06	0.00	-44.63	-150.63
r58	48 19.70	-114 25.05			3064.00	mt 980584.77	980919.70	0.41 -104.50 -1.06	0.00	-46.85	-152.00
r59	48 20.92	-114 26.05			3030.00	mt 980590.77	980921.53	0.94 -103.34 -1.05	0.00	-45.88	-149.33
r60	48 21.83	-114 26.27			3012.00	mt 980592.99	980922.88	0.81 -102.73 -1.05	0.00	-46.72	-149.68
r61	48 23.11	-114 26.26			3017.00	mt 980591.38	980924.81	0.78 -102.90 -1.05	0.00	-49.77	-152.94
r62	48 23.12	-114 27.49			3083.00	mt 980590.33	980924.82	1.16 -105.15 -1.06	0.00	-44.64	-149.69
r63	48 21.76	-114 28.01			3102.00	mt 980588.85	980922.79	1.48 -105.80 -1.07	0.00	-42.29	-147.68
r64	48 21.24	-114 29.06			3356.00	mt 980573.64	980922.01	1.44 -114.46 -1.13	0.00	-32.85	-147.00
r65	48 23.65	-114 28.01			3098.00	mt 980589.30	980925.62	1.02 -105.66 -1.07	0.00	-45.05	-150.77
r66	48 24.29	-114 28.26			3043.00	mt 980593.41	980926.57	1.28 -103.79 -1.05	0.00	-47.08	-150.64
r67	48 21.74	-114 24.16			3018.00	mt 980592.45	980922.75	1.43 -102.94 -1.05	0.00	-46.56	-149.11
r68	48 20.52	-114 23.00			3008.00	mt 980591.10	980920.92	0.55 -102.59 -1.05	0.00	-47.01	-150.10
r69	48 20.46	-114 20.08			3237.00	mt 980569.29	980920.84	0.30 -110.40 -1.10	0.00	-47.22	-158.42
r70	48 20.52	-114 17.98			3052.00	mt 980574.26	980920.92	0.28 -104.09 -1.06	0.00	-59.72	-164.59
r71	48 20.51	-114 16.38			3008.00	mt 980571.13	980920.91	0.31 -102.59 -1.05	0.00	-66.97	-170.30
r72	48 19.00	-114 17.96			3041.00	mt 980571.57	980918.65	0.23 -103.72 -1.05	0.00	-61.17	-165.71
r73	48 21.81	-114 18.59			3049.00	mt 980577.94	980922.86	0.44 -103.99 -1.06	0.00	-58.26	-162.87
r74	48 25.35	-114 22.10			3045.00	mt 980589.88	980928.16	1.35 -103.86 -1.05	0.00	-52.00	-155.56
r75	48 24.00	-114 21.07			3079.00	mt 980584.66	980926.14	0.60 -105.02 -1.06	0.00	-52.00	-157.48
r76	48 23.13	-114 21.07			3133.00	mt 980582.24	980924.84	0.39 -106.86 -1.08	0.00	-48.04	-155.58
r77	48 26.17	-114 20.41			3024.00	mt 980590.76	980929.40	2.14 -103.14 -1.05	0.00	-54.32	-156.37
r78	48 27.20	-114 21.41			3352.00	mt 980573.17	980930.94	3.35 -114.33 -1.13	0.00	-42.63	-154.73
r79	48 28.07	-114 21.81			3810.00	mt 980544.05	980932.23	5.37 -129.95 -1.22	0.00	-30.01	-155.81
r80	48 28.84	-114 21.39			4652.00	mt 980497.33	980933.40	4.64 -158.67 -1.37	0.00	1.26	-154.13
r81	48 27.15	-114 20.09			3775.00	mt 980546.29	980930.86	3.25 -128.75 -1.22	0.00	-29.67	-156.39
r82	48 25.30	-114 20.41			3053.00	mt 980583.37	980928.09	1.20 -104.13 -1.06	0.00	-57.69	-161.68
r83	48 24.86	-114 18.45			3048.00	mt 980579.74	980927.43	1.08 -103.96 -1.06	0.00	-61.12	-165.06
r84	48 24.87	-114 17.33			3100.00	mt 980575.27	980927.45	0.93 -105.73 -1.07	0.00	-60.72	-166.59
r85	48 25.58	-114 16.79			3210.00	mt 980571.22	980928.51	1.34 -109.48 -1.09	0.00	-55.50	-164.73
r86	48 26.32	-114 16.76			3469.00	mt 980558.69	980929.63	1.75 -118.32 -1.15	0.00	-44.79	-162.51
r87	48 27.05	-114 17.30			3792.00	mt 980543.98	980930.71	2.68 -129.33 -1.22	0.00	-30.24	-158.11
r88	48 24.21	-114 15.68			3085.00	mt 980571.67	980926.45	0.75 -105.22 -1.06	0.00	-64.74	-170.27
r89	48 23.13	-114 14.35			3058.00	mt 980566.08	980924.84	0.59 -104.30 -1.06	0.00	-71.25	-176.02
r90	48 23.13	-114 15.69			3059.00	mt 980568.24	980924.84	0.54 -104.33 -1.06	0.00	-68.99	-173.85
r91	48 23.12	-114 17.01			3057.00	mt 980571.67	980924.82	0.48 -104.27 -1.06	0.00	-65.74	-170.58
r92	48 23.12	-114 18.31			3038.00	mt 980577.09	980924.82	0.65 -103.62 -1.05	0.00	-166.12	-166.12
r93	48 24.00	-114 18.46			3026.00	mt 980582.50	980926.14	0.83 -103.21 -1.05	0.00	-59.14	-162.57
r94	48 23.73	-114 22.51			3566.00	mt 980561.11	980925.73	2.48 -121.63 -1.17	0.00	-29.37	-149.69
r95	48 23.06	-114 4.73			3054.00	mt 980573.11	980924.73	9.48 -104.16 -1.06	0.00	-64.49	-160.23

76

Kallispell CUSMAP Gravity Stations
USGS 1967-84
Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S			G R A V I T Y		C O R R E C T I O N S TERRAIN BOUGUER CURV (di=2.67)	A N O M A L I E S				
	LATITUDE		LONGITUDE	ELE	ST OBSERVED		THEORETICAL	SPECIAL	FREE		
	deg	min	deg	min	(in ft)				AIR		
r96	48 23.19	-114 3.03	3164.00	mt	980573.11	980924.93	3.77 -107.91	-1.08	0.00	-54.35	-159.58
r97	48 22.27	-114 2.14	3471.00	mt	980554.27	980923.55	3.56 -118.39	-1.15	0.00	-42.95	-158.93
r98	48 20.61	-114 0.73	3565.00	mt	980541.77	980921.06	6.56 -121.59	-1.17	0.00	-44.13	-160.33
r99	48 23.17	-114 0.45	3324.00	mt	980560.57	980924.90	2.45 -113.37	-1.12	0.00	-51.82	-163.86
r100	48 23.83	-114 1.30	3191.00	mt	980568.98	980925.89	2.27 -108.84	-1.09	0.00	-56.91	-164.56
r101	48 24.60	-114 1.85	3305.00	mt	980562.36	980927.04	2.00 -112.72	-1.12	0.00	-53.96	-165.80
r102	48 25.12	-114 1.30	3302.00	mt	980564.19	980927.82	1.97 -112.62	-1.12	0.00	-53.19	-164.96
r103	48 25.21	-114 2.67	3182.00	mt	980571.25	980927.96	1.74 -108.53	-1.09	0.00	-57.54	-165.42
r104	48 25.74	-114 1.38	3287.00	mt	980566.41	980928.75	1.95 -112.11	-1.11	0.00	-53.31	-164.59
r105	48 25.95	-114 2.38	3184.00	mt	980572.43	980929.06	1.70 -108.60	-1.09	0.00	-57.28	-165.27
r106	48 26.17	-114 3.33	3189.00	mt	980571.72	980929.40	1.47 -108.77	-1.09	0.00	-57.85	-166.24
r107	48 26.75	-114 2.15	3280.00	mt	980568.91	980930.26	1.37 -111.87	-1.11	0.00	-52.99	-164.60
r108	48 27.37	-114 0.68	3381.00	mt	980561.98	980931.20	1.63 -115.32	-1.13	0.00	-51.35	-166.17
r109	48 28.29	-114 0.81	3311.00	mt	980569.30	980932.57	1.58 -112.93	-1.12	0.00	-51.99	-164.45
r110	48 27.52	-114 2.98	3201.00	mt	980574.24	980931.42	1.42 -109.18	-1.09	0.00	-56.22	-165.07
r111	48 27.94	-114 4.28	3110.00	mt	980578.62	980932.05	1.87 -106.07	-1.07	0.00	-61.04	-166.31
r112	48 26.66	-114 4.17	3216.00	mt	980568.28	980930.13	1.53 -109.69	-1.10	0.00	-59.49	-168.74
r113	48 26.40	-114 6.07	3666.00	mt	980546.62	980929.73	2.42 -125.04	-1.19	0.00	-38.46	-162.28
r114	48 25.60	-114 4.39	3265.00	mt	980568.20	980928.54	2.17 -111.36	-1.11	0.00	-53.37	-163.67
r115	48 25.47	-114 3.80	3189.00	mt	980572.67	980928.34	2.03 -108.77	-1.09	0.00	-55.85	-163.68
r116	48 28.48	-114 6.95	3201.00	mt	980575.85	980932.86	1.87 -109.18	-1.09	0.00	-56.05	-164.45
r117	48 22.25	-114 13.09	3059.00	mt	980562.70	980923.52	0.64 -104.33	-1.06	0.00	-73.21	-177.96
r118	48 22.25	-114 14.40	3005.00	mt	980567.81	980923.52	0.56 -102.49	-1.04	0.00	-73.18	-176.16
r119	48 20.51	-114 14.39	2988.00	mt	980566.21	980920.91	0.46 -101.91	-1.04	0.00	-73.78	-176.27
r120	48 18.77	-114 14.03	2964.00	mt	980565.63	980918.30	0.51 -101.09	-1.03	0.00	-74.00	-175.62
r121	48 17.46	-114 14.55	2952.00	mt	980566.14	980916.34	0.42 -100.68	-1.03	0.00	-72.65	-173.95
r122	48 16.17	-114 14.56	2938.00	mt	980566.89	980914.41	0.44 -100.21	-1.03	0.00	-71.29	-172.08
r123	48 15.29	-114 16.52	2929.00	mt	980572.18	980913.08	0.28 -99.90	-1.03	0.00	-65.53	-166.17
r124	48 16.17	-114 16.51	2942.00	mt	980571.08	980914.41	0.27 -100.34	-1.03	0.00	-66.73	-167.83
r125	48 10.48	-114 25.28	3136.00	mt	980574.39	980905.88	0.86 -106.96	-1.08	0.00	-36.64	-143.81
r126	48 8.95	-114 26.53	3167.00	mt	980571.15	980903.58	0.97 -108.02	-1.08	0.00	-34.68	-142.81
r127	48 8.21	-114 27.41	3164.00	mt	980573.15	980902.46	1.36 -107.91	-1.08	0.00	-31.85	-139.49
r128	48 5.11	-114 39.76	3928.00	mt	980527.60	980897.82	0.86 -133.97	-1.25	0.00	-0.93	-135.29
r129	48 3.01	-114 42.18	3879.00	mt	980527.72	980894.66	1.85 -132.30	-1.24	0.00	-2.27	-133.96
r130	48 2.28	-114 42.65	3895.00	mt	980526.78	980893.57	1.22 -132.85	-1.24	0.00	-0.61	-133.48
r131	48 1.73	-114 42.27	3869.00	mt	980526.78	980892.74	1.11 -131.96	-1.24	0.00	-2.22	-134.31
r132	48 0.67	-114 41.73	4084.00	mt	980511.54	980891.16	0.74 -139.29	-1.27	0.00	4.33	-135.49
r133	48 0.26	-114 42.02	4092.00	mt	980510.19	980890.53	0.85 -139.57	-1.28	0.00	1.34	-135.65
r134	48 2.09	-114 43.60	3935.00	mt	980524.69	980893.28	0.86 -134.21	-1.25	0.00	1.35	-133.25
r135	48 1.94	-114 45.31	3929.00	mt	980523.84	980893.05	0.94 -134.01	-1.25	0.00	0.16	-134.15

Kellispell CUSMAP Gravity Stations

USGS 1967-84

Meter used: var

STATION IDENTIFICATION	L O C A T I O N S LATITUDE deg min deg min	ELE (in ft)	G R A V I T Y ST OBSERVED	C O R R E C T I O N S TERRAIN BOUGUER CURV (d1=2.67)	A N O M A L I E S SPECIAL FREE COMPLETE-BOUGUER AIR d1=2.67
r136	48 1.85 -114 46.56	3929.00	mt 980524.40	980892.92	0.00 0.85 -133.31
r137	48 1.66 -114 47.94	3930.00	mt 980523.96	980892.64	0.00 0.79 -133.34
r138	48 2.18 -114 49.72	3973.00	mt 980522.65	980893.41	0.00 2.75 -132.96
r139	48 2.63 -114 50.28	3910.00	mt 980527.66	980894.09	0.00 1.15 -131.96
r140	48 2.53 -114 52.07	3905.00	mt 980527.24	980893.95	0.00 0.42 -132.61
r141	48 1.93 -114 55.73	3790.00	mt 980529.67	980893.05	0.00 -7.06 -134.63
r142	48 1.07 -114 59.25	3413.00	mt 980546.38	980891.75	0.00 -24.49 -139.07
r143	48 0.04 -114 58.40	3382.00	mt 980545.81	980890.21	0.00 -26.43 -137.22
r142	48 1.07 -114 59.25	3413.00	mt 980546.35	980891.75	0.00 -24.52 -139.10
r144	48 3.04 -115 5.79	3344.00	mt 980553.97	980894.71	0.00 -26.35 -139.95
r145	48 4.00 -115 6.99	3381.00	mt 980551.32	980896.15	0.00 -26.96 -142.20
r146	48 2.47 -115 4.76	3365.00	mt 980552.73	980893.86	0.00 -24.76 -139.10
r147	48 1.99 -115 3.84	3346.00	mt 980551.89	980893.13	0.00 -26.66 -140.02
r148	48 1.53 -114 58.22	3627.00	mt 980533.41	980892.45	0.00 -18.05 -135.69
r149	48 1.83 -114 56.86	3744.00	mt 980529.96	980892.89	0.00 -10.94 -135.68
r150	48 2.12 -114 54.10	3902.00	mt 980525.27	980893.33	0.00 -1.22 -133.46
r151	48 3.30 -114 41.28	3901.00	mt 980527.48	980895.10	0.00 -0.88 -134.18
r152	48 2.37 -114 40.41	3939.00	mt 980522.75	980893.70	0.00 -0.64 -135.45
r153	48 2.50 -114 39.26	3963.00	mt 980522.18	980893.90	0.00 0.85 -134.86
r154	48 3.26 -114 38.99	4028.00	mt 980519.99	980895.04	0.00 3.63 -134.33
r155	48 4.25 -114 35.87	3924.00	mt 980523.66	980896.52	0.00 -3.96 -137.31
r156	48 4.22 -114 34.86	3675.00	mt 980538.54	980896.48	0.00 -12.43 -135.22
r157	48 4.90 -114 34.36	3362.00	mt 980557.04	980897.50	0.00 -24.38 -135.39
r158	48 30.84 -114 8.93	3844.00	mt 980543.11	980936.39	0.00 -31.90 -160.33
r159	48 31.56 -114 9.46	3930.00	mt 980539.95	980937.47	0.00 -28.05 -160.43
r160	48 31.36 -114 10.39	4084.00	mt 980530.49	980937.17	0.00 -22.74 -158.44
r161	48 32.38 -114 9.81	4095.00	mt 980531.43	980938.70	0.00 -22.29 -159.47
r162	48 32.71 -114 11.41	4692.00	mt 980496.05	980939.20	0.00 -2.06 -158.58
r163	48 33.90 -114 11.52	4851.00	mt 980489.80	980940.98	0.00 4.84 -157.11
r164	48 33.64 -114 12.54	5107.00	mt 980471.61	980940.59	0.00 11.10 -158.05
r165	48 34.48 -114 12.47	5396.00	mt 980455.55	980941.84	0.00 20.94 -158.69
r166	48 33.86 -114 13.81	4913.00	mt 980482.78	980940.91	0.00 3.71 -155.32
r167	48 34.67 -114 13.98	4538.00	mt 980507.11	980942.13	0.00 -8.41 -159.75
r168	48 35.37 -114 14.58	3955.00	mt 980541.37	980943.17	0.00 -29.99 -160.70
r169	48 35.81 -114 13.48	3545.00	mt 980566.26	980943.83	0.00 -44.30 -159.42
r170	48 36.48 -114 11.57	3509.00	mt 980569.30	980944.84	0.00 -45.64 -161.41
r171	48 35.88 -114 16.21	3876.00	mt 980546.72	980943.94	0.00 -32.83 -160.99
r172	48 36.53 -114 16.68	4183.00	mt 980531.02	980944.91	0.00 -20.65 -159.92
r173	48 35.59 -114 17.46	3909.00	mt 980544.67	980943.51	0.00 -31.35 -159.49
r174	48 35.21 -114 18.22	3914.00	mt 980541.99	980942.93	0.00 -32.98 -159.03

8L

Kalispell CUSMAP Gravity Stations
 USGS 1967-84
 Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S				G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S		
	LATITUDE deg	LONGITUDE deg	min	sec	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (d1=2.67)	SPECIAL AIR	FREE AIR	COMPLETE-BOUGUER d1=2.67
r175	48 32.93	-114 16.21			4967.00	mt	980479.30	980939.52	0.00	6.69	-156.97
r176	48 32.17	-114 16.39			5238.00	mt	980463.39	980938.38	0.00	17.39	-153.31
r177	48 31.70	-114 17.47			5705.00	mt	980437.01	980937.68	0.00	35.60	-154.36
r178	48 33.52	-114 16.87			4679.00	mt	980495.50	980940.41	0.00	-5.05	-157.26
r179	48 33.84	-114 17.87			4407.00	mt	980513.88	980940.88	0.00	-12.71	-158.71
r180	48 34.46	-114 18.96			3930.00	mt	980542.57	980941.81	0.00	-29.78	-155.70
r181	48 34.38	-114 20.36			4103.00	mt	980530.46	980941.70	0.00	-25.51	-158.37
r182	48 35.09	-114 21.39			4216.00	mt	980525.53	980942.75	0.00	-20.88	-153.42
r183	48 35.59	-114 22.00			4287.00	mt	980523.66	980943.51	0.00	-16.84	-151.72
r184	48 36.26	-114 22.28			4402.00	mt	980517.22	980944.51	0.00	-13.47	-152.37
r185	48 36.51	-114 22.70			4470.00	mt	980512.78	980944.88	0.00	-11.89	-151.84
r186	48 36.68	-114 21.08			5000.00	mt	980487.09	980945.13	0.00	11.98	-153.50
r187	48 37.49	-114 21.97			5385.00	mt	980464.36	980946.34	0.00	24.21	-156.30
r188	48 37.74	-114 23.30			5655.00	mt	980448.52	980946.73	0.00	33.37	-156.04
r189	48 35.14	-114 23.53			4856.00	mt	980490.28	980942.84	0.00	3.94	-154.69
r190	48 34.63	-114 21.78			5394.00	mt	980455.99	980942.07	0.00	20.97	-152.00
r191	48 34.31	-114 23.29			5763.00	mt	980438.16	980941.59	0.00	38.29	-155.34
r192	48 33.64	-114 24.01			5709.00	mt	980441.18	980940.59	0.00	37.24	-153.51
r193	48 33.27	-114 22.43			4965.00	mt	980482.88	980940.03	0.00	9.58	-153.38
r194	48 33.25	-114 20.29			4716.00	mt	980498.40	980940.00	0.00	1.73	-155.95
r195	48 32.80	-114 21.30			4524.00	mt	980506.09	980939.33	0.00	-7.94	-155.41
r196	48 32.68	-114 22.66			5705.00	mt	980439.43	980939.15	0.00	36.55	-154.40
r197	48 31.40	-114 20.29			5435.00	mt	980454.51	980937.23	0.00	28.18	-153.88
r198	48 30.86	-114 18.96			5657.00	mt	980436.14	980936.41	0.00	31.48	-155.22
r199	48 30.40	-114 17.90			5217.00	mt	980461.53	980935.73	0.00	16.21	-157.45
r200	48 30.60	-114 16.31			4899.00	mt	980481.97	980936.03	0.00	6.47	-156.20
r201	48 6.30	-114 27.49			3154.00	mt	980572.38	980899.60	0.00	-30.69	-137.65
r202	48 5.31	-114 28.17			3180.00	mt	980569.36	980898.12	0.00	-29.78	-136.72
r203	48 5.01	-114 29.43			3160.00	mt	980570.60	980897.66	0.00	-29.97	-136.19
r204	48 4.09	-114 29.85			3313.00	mt	980558.39	980896.29	0.00	-26.41	-136.72
r205	48 2.79	-114 30.18			3437.00	mt	980550.13	980894.34	0.00	-21.07	-134.83
r207	48 2.70	-114 33.30			6290.00	mt	980367.80	980894.20	0.00	64.84	-134.39
r208	48 1.60	-114 30.64			3616.00	mt	980537.42	980892.55	0.00	-15.17	-135.86
r209	48 2.80	-115 1.88			3612.00	mt	980538.08	980894.35	0.00	-16.69	-135.31
r210	48 2.75	-115 0.80			3621.00	mt	980537.94	980894.27	0.00	-15.91	-137.04
r211	48 3.94	-114 59.14			6098.00	mt	980390.96	980896.06	0.00	68.10	-129.33
r212	48 4.49	-114 59.08			6329.00	mt	980375.91	980896.88	0.00	73.93	-131.14
r213	48 4.79	-114 59.29			6709.00	mt	980346.85	980897.33	0.00	80.12	-129.80
r214	48 2.99	-115 3.15			3543.00	mt	980543.57	980894.63	0.00	-17.97	-137.50
r215	48 3.49	-114 52.15			4130.00	mt	980516.42	980895.38	0.00	9.31	-131.66

6L

Kalispell CUSMAP Gravity Stations

USGS 1967-84

Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	deg	min	deg	min	ELE (in ft)	ST OBSERVED THEORETICAL (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
R216	48	4.89	-114	51.42	3651.00	mt 980548.09	980897.48	0.00
R217	48	5.56	-114	51.42	3532.00	mt 980555.35	980898.49	0.00
R218	48	6.42	-114	51.41	3544.00	mt 980558.14	980899.78	0.00
R219	48	7.00	-114	52.84	3571.00	mt 980558.92	980900.66	0.00
R220	48	7.26	-114	53.85	3532.00	mt 980561.51	980901.04	0.00
R221	48	7.69	-114	54.79	3536.00	mt 980562.33	980901.69	0.00
R222	48	8.18	-114	56.22	3520.00	mt 980563.79	980902.41	0.00
R223	48	9.05	-114	57.34	3549.00	mt 980563.63	980903.72	0.00
R224	48	6.99	-114	51.42	3696.00	mt 980551.20	980900.63	0.00
R225	48	6.96	-114	49.10	3696.00	mt 980549.24	980900.59	0.00
R226	48	6.68	-114	47.93	3709.00	mt 980547.22	980900.16	0.00
R227	48	5.16	-114	43.00	3935.00	mt 980530.91	980897.89	0.00
R228	48	29.22	-114	24.62	3100.00	mt 980584.38	980933.96	0.00
R229	48	29.55	-114	25.68	3095.00	mt 980585.91	980934.46	0.00
R230	48	28.93	-114	25.96	3010.00	mt 980592.00	980933.53	0.00
R231	48	30.63	-114	26.18	3332.00	mt 980572.57	980936.08	0.00
R232	48	31.64	-114	26.65	3574.00	mt 980559.93	980937.59	0.00
R233	48	32.77	-114	26.85	3865.00	mt 980544.26	980939.28	0.00
R234	48	33.83	-114	27.27	4028.00	mt 980534.03	980940.87	0.00
R235	48	32.92	-114	25.70	4690.00	mt 980495.12	980939.51	0.00
R236	48	32.05	-114	25.12	5126.00	mt 980467.86	980938.20	0.00
R237	48	31.10	-114	24.38	5548.00	mt 980439.68	980936.77	0.00
R238	48	30.73	-114	22.84	5615.00	mt 980438.83	980936.23	0.00
R239	48	30.45	-114	21.71	6243.00	mt 980397.49	980935.80	0.00
R240	48	30.37	-114	20.83	6817.00	mt 980356.66	980935.69	0.00
R241	48	34.67	-114	27.98	4107.00	mt 980530.28	980942.13	0.00
R242	48	35.72	-114	28.84	4007.00	mt 980534.42	980943.70	0.00
R243	48	36.33	-114	29.61	4086.00	mt 980533.65	980944.61	0.00
R244	48	35.38	-114	27.53	5021.00	mt 980474.60	980943.20	0.00
R245	48	34.63	-114	25.90	6960.00	mt 980349.60	980942.07	0.00
R246	48	34.08	-114	25.81	6315.00	mt 980395.59	980941.24	0.00
R247	48	35.59	-114	29.71	3756.00	mt 980551.59	980943.51	0.00
R248	48	37.10	-114	30.69	4099.00	mt 980534.01	980945.77	0.00
R249	48	32.02	-114	33.03	3351.00	mt 980575.65	980938.16	0.00
R250	48	37.51	-114	12.53	3805.00	mt 980551.22	980946.38	0.00
R251	48	39.72	-114	14.46	3680.00	mt 980564.25	980949.69	0.00
R252	48	40.61	-114	18.76	3931.00	mt 980547.48	980951.02	0.00
R253	48	41.57	-114	22.23	4218.00	mt 980531.21	980952.45	0.00
R254	48	41.78	-114	23.97	4360.00	mt 980521.32	980952.77	0.00
R255	48	42.02	-114	24.51	4380.00	mt 980518.93	980953.13	0.00
R256	48	42.02	-114	24.51	4380.00	mt 980518.93	980953.13	0.00

Kallispell CUSMAP Gravity Stations
 USGS 1967-84
 Meter used: var

STATION IDENTIFICATION sta-id	L O C A T I O N S		G R A V I T Y		C O R R E C T I O N S		A N O M A L I E S	
	LATITUDE deg	LONGITUDE min deg	ELE (in ft)	ST OBSERVED	THEORETICAL	TERRAIN BOUGUER CURV (dl=2.67)	SPECIAL FREE AIR	COMPLETE-BOUGUER dl=2.67
r256	48 42.10	-114 25.34	4486.00	mt 980514.55	980953.26	15.86 -153.00	0.00 -16.99	-155.47
r257	48 42.22	-114 26.53	4616.00	mt 980507.79	980953.44	10.68 -157.44	0.00 -11.71	-159.83
r258	48 42.30	-114 27.33	4662.00	mt 980505.65	980953.55	9.40 -159.01	0.00 -9.64	-160.62
r259	48 42.00	-114 29.07	4886.00	mt 980494.79	980953.10	10.91 -166.65	0.00 0.99	-156.14
r260	48 41.76	-114 29.78	4973.00	mt 980490.22	980952.74	9.32 -169.61	0.00 4.96	-156.74
r261	48 41.05	-114 21.74	4206.00	mt 980534.69	980951.68	5.96 -143.45	0.00 -21.59	-160.38
r262	48 44.85	-114 17.20	3542.00	mt 980567.35	980957.37	2.51 -120.81	0.00 -57.02	-176.49
r263	48 45.57	-114 19.18	3937.00	mt 980547.83	980958.45	2.44 -134.28	0.00 -40.50	-173.58
r264	48 46.13	-114 20.86	4047.00	mt 980547.50	980959.28	4.07 -138.03	0.00 -31.32	-166.55
r265	48 46.05	-114 25.29	4391.00	mt 980523.20	980959.16	14.22 -149.76	0.00 -23.17	-160.04
r266	48 45.80	-114 26.32	4514.00	mt 980516.25	980958.79	12.24 -153.96	0.00 -18.19	-161.26
r267	48 45.60	-114 27.54	4630.00	mt 980509.13	980958.49	14.52 -157.92	0.00 -14.11	-158.87
r268	48 45.23	-114 28.37	4666.00	mt 980506.56	980957.93	15.59 -159.14	0.00 -12.74	-157.66
r269	48 45.12	-114 29.46	4954.00	mt 980489.44	980957.77	11.87 -168.97	0.00 -2.64	-161.14
r270	48 46.12	-114 24.05	4391.00	mt 980530.27	980959.27	11.66 -149.76	0.00 -16.20	-155.63
r271	48 45.98	-114 23.10	4220.00	mt 980531.67	980959.05	19.19 -143.93	0.00 -30.66	-156.71