

Idaho

GRAVITY REDUCTION SHEET

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Sta	Date	Time	Map	Ave	Dial Readings		DCDD	Elev	TC	Lat	B.A.	Remarks
X ABSO	7/8/77	8:35		1799.6	1800.3	1799.5	1799.0	0				GRANDVIEW (85°6) 980201.5 avg. DCDD = -659.15
CC BASE 1	"	9:24	VINSON WASH	1141.0	1141.5	1140.7	1140.9	-658.99	3022			
X ABSO	"	10:07		1799.8	1799.9	1799.8	1799.7	0				
CC BASE 1	"	10:49	VINSON WASH	1139.5	1139.5	1139.4	1139.5	-659.59	3022			
CC BASE 2	"	11:38	ROUGH MTN NE	1140.7	1140.6	1140.7	1140.7	-658.30	2996			avg DCDD = -658.11
CC BASE 1	"	12:21	VINSON WASH	1139.9	1140.1	1139.7	1140.0	-658.56	3022			
X ABSO	"	1:02		1798.2	1798.1	1798.1	1798.4	0				
CC BASE 2	"	1:45	ROUGH MTN NE	1140.0	1139.9	1140.2	1139.9	-658.07	2996			
CC BASE 3	"	2:18	ROUGH MTN NE	1093.0	1093.3	1093.0	1092.7	-705.28	3166			avg DCDD = -705.84
CC BASE 2	"	2:56	ROUGH MTN NE	1141.1	1141.0	1141.0	1141.3	-657.90	2996			
X ABSO	"	3:29		1799.4	1799.3	1799.5	1799.4	0				
CC BASE 3	"	4:13	ROUGH MTN NE	1093.3	1093.3	1093.2	1093.3	-706.04	3166			
CC BASE 2	"	4:45	ROUGH MTN NE	1140.9	1141.1	1141.0	1140.7	-658.18	2996			
CC BASE 3	"	5:12	ROUGH MTN NE	1092.5	1092.8	1092.8	1092.0	-706.21	3166			
X ABSO	"	5:55		1798.5	1798.5	1798.5	1798.4	0				
CC												
X BASE CC-1	7/9/77	10:22	VINSON WASH	1137.8		42° 55' 3.48	0	3022	.27	42.9358	-127.07	980132.76
C-4	"	10:45	"	1502.8		47° 57.5' 2.64	+366.13	2650	.15	42.9728	-114.88	
C-5	"	10:58	"	1587.5		" 2.92	+449.87	2561	.25	42.9744	-111.59	
C-6	"	11:10	"	1434.1		" 2.73	+296.50	2747	.164	42.9733	-116.29	
C-7	"	11:19	"	1387.9		42° 52' 1.47	+249.33	2795	.16	42.9664	-117.69	EST. ELEV.
C-8	"	11:26	"	1317.7		" .70	+180.15	2857	.17	42.9600	-120.56	
C-9	"	11:37	"	1267.3		42° 55' 6.72	+129.77	2895	.20	42.9540	-122.94	EST ELEV
C-10	"	11:44	"	1243.3		" 3.91	+105.71	2917	.24	42.9492	-123.63	
C-11	"	11:53	"	1196.7		" 4.96	+59.20	2963	.25	42.9439	-125.22	EST ELEV
X BASE CC-1	"	12:00	"	1137.5			0	3022				
C-12	"	12:33	ROUGH MTN NE	0764.4			-373.18	3563	.60	42.8764	-127.52	LOCATION QUESTIONABLE OR MAP INCORRECT (NO MAP HERE)
C-13	"	12:47	ROUGH MTN NE	0820.7			-316.95	3459	.50	42.8839	-128.74	

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Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-14	7/9/77	12:54	ROUGH MTN NE	0831.4	42° 52' 7.50	-306.30	3444.1	.41	42.8887	-129.24	Benchmark says 3441 MAP SAYS 3442
C-15	"	1:06	VINSON WASH	0890.7	" 3.54	-247.08	3360	.38	42.8945	-128.52	EST. ELEV.
C-16	"	1:14	"	08496.0	" 4.10	-241.90	3335	.375	42.8975	-129.77	
C-17	"	1:20	"	0923.3	" 5.39	-214.66	3290	.365	42.9046	-130.31	EST ELEV & LOCATION
C-18	"	1:27	"	0935.9	" 6.00	-202.15	3273	.358	42.9080	-130.35	
C-19	"	1:35	"	0987.6	" 7.44	-150.60	3200	.345	42.9159	-130.12	EST ELEV
C-20	"	1:43	"	1009.0	42 55' 1.10	-129.40	3171	.336	42.9222	-130.24	
C-21	"	1:50	"	1096.4	" 2.58	-42.20	3075	.30	42.9308	-127.78	EST ELEV
BASE CC-1	"	1:56	"	1138.7			3022	—			
BASE CC-2	7/10/77	9:25	ROUGH MTN NE	1144.7	42° 55' 6.95	0	2996	.287	42.9549	-130.19	980132.92
C-22	"	9:55	"	0834.3	" 2.11	-310.73	3515	.42	42.8810	-124.36	
C-23	"	10:15	"	0834.0	" 2.11	-311.08	3496	.40	42.8873	-126.13	ELEV GOOD WITHIN 1 FT ACCURACY (FLAT RIDGE) <small>NO LAMP MARK</small>
C-24	"	10:28	"	0865.8	" 2.75	-279.29	3449	.380	42.8956	-126.43	
C-25	"	10:35	"	0848.8	" 3.32	-296.28	3467	.38	42.9042	-127.89	
C-26	"	10:43	"	0888.8	42° 52.5' 6.58	-256.26	3394	.37	42.9112	-128.78	
C-27	"	10:47	"	0937.5	" 12' 35' .07	-207.54	3320	.37	42.9171	-128.71	
C-28	"	10:54	"	0925.3	" 1.55	-219.72	3339	.36	42.9252	-129.57	
C-29	"	11:10	"	0915.6	" 2.50	-229.33	3345	.36	42.9304	-130.68	THREE 3 BENCHMARKS
C-30	"	11:23	"	1083.2	" 4.60	-61.61	3082	.31	42.9420	-130.22	
C-31	"	11:31	"	1139.2	" 5.80	-5.55	3000	.29	42.9485	-129.95	GOOD EST ELEV
BASE CC-2	"	11:37	"	1144.7		0	2996	—			
BASE CC-2	"	12:20	"	1143.7		0	2996	—			
C-32	"	12:50	CASTLE BUTTE	1623.8	42 25' .55	+480.30	2572	.11	43.0449	-114.08	
C-33	"	1:12	"	1556.4	" 00' 6.92	+412.95	2657	.10	43.0380	-115.70	
C-34	"	1:35	"	1611.3	" 00' 7.27	+467.85	2523	.08	43.0400	-117.93	
C-35	"	1:53	"	1547.5	" 00' 6.50	+404.03	2556	.10	43.03619	-122.22	GOOD READING
C-36	"	2:07	"	1527.4	" 00' 6.58	+383.92	2569	.11	43.0362	-123.53	GOOD READING

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Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-37	7/10/77	2:20	CASZLE BUTTE	1467.1	43 00' 55"	+323.59	2621	.14	42.0327	-126.32	
C-38	"	2:34	"	1499.4	" 5:20	+355.85	2586	.13	42.0302	-124.86	
C-39	"	2:46	"	1443.6	" 1:49	+300.01	2639	.22	42.0093	-125.50	
C-40	"	2:59	"	1454.4	" 2:13	+310.71	2633	.23	42.0117	-124.95	LOCATION QUANTIFIABLE
CASZLE CREEK	"	3:15	ROUGH MOUNTAIN	1143.7	"	0	2996	—			
C-41	"	4:04	CASZLE BUTTE	1503.7	42 00' 4.65"	+359.87	2617	.097	43.0256	-122.18	
C-42	"	4:51	CASZLE BUTTE	1461.7	42 00' 3.84"	+317.72	2625	.17	43.0200	-125.52	EST ELEV
C-43	"	5:15	ROUGH MOUNTAIN	1399.9	42 57' 57.704"	+255.86	2684	.226	42.9970	-126.27	
C-44	"	5:21	"	1326.3	" 5:6	+182.25	2770	.24	42.9891	-128.00	
C-45	"	5:32	"	1235.5	" 3:7	+91.42	2895	.255	42.9786	-128.94	
C-46	"	5:38	"	1115.9	" 1:19	-28.19	3055	.26	42.9649	-130.48	
CASZLE CREEK	"	5:44	"	1144.1	"	0	2996	—			
CASZLE CREEK	7/11/77	8:57	ROUGH MOUNTAIN	1098.6	42 55' 3.24"	0	3166	.90	42.9348	-122.49	980127.90
C-47	"	9:09	"	1011.4	42 55' 2.25"	-87.12	3301	.80	42.9304	-123.10	
C-48	"	9:38	"	0941.7	" 1:02' 1"	-156.60	3422	.70	42.9216	-122.32	LOCATION QUANTIFIABLE
C-49	"	9:54	"	0865.7	42 53' 1.08"	-232.45	3520	.55	42.9139	-123.75	
C-50	"	10:03	"	0760.4	" 6:10	-337.67	3626	.60	42.9090	-127.80	
C-51	"	10:11	"	0700.4	" 3:65	-397.62	3700	.65	42.8951	-128.27	
C-52	"	10:19	"	0646.7	" 2:11	-451.28	3798	.75	42.8882	-127.21	
C-53	"	10:28	"	0579.0	" 1:10	-518.90	3907	.80	42.8810	-126.95	EST ELEV
C-54	"	10:34	"	0529.7	" .19	-568.15	3980	.90	42.8760	-127.12	
C-55	"	10:48	AEROMAG MAPP	0398.4	" 1:50.505"	-699.33	24147	1.440	42.8668	-129.31	SPRING GULLY INTERSECTION AT SPRING
C-56	"	10:57	AEROMAG MAPP	0424.1	" 0:51"	-673.52	24147	1.440	42.8663	-126.58	FENCE AT BEND
CASZLE CREEK	7/11/77	11:27	ROUGH MOUNTAIN	1097.5	"	0	3166	—			
C-57	"	2:06	"	1098.1	"	0	3166	—			
C-58	"	2:55	ROUGH MOUNTAIN	0655.4	42 52' 5.11"	-443.16	3705	1.230	42.9030	-132.85	EST ELEV
C-59	"	3:11	ROUGH MOUNTAIN	0722.4	42 53' 5.11"	-376.44	3668	.85	42.9034	-128.55	

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Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-59	7/11/77	3:26	Kearney MTN NE	0765.4	4251.73	-333.48	3664	.85	42.9158	-125.43	
C-60	"	3:42	"	0847.2	4255.148	-251.85	3577	.80	42.9248	-123.05	
C-61	"	3:56	"	0958.6	312	-140.59	3415	.776	42.9338	-122.10	
C-62	"	4:21	"	1018.3	497	-81.16	3308	.90	42.9412	-122.92	
C-63	"	4:40	"	1148.5	60	+48.86	3107	1.00	42.9496	-122.20	
BASE 3	"	5:03	"	1099.9		0	366				
C-64	"	9:02	CASTLE ROCK	1564.3			2598				
C-65	"	9:30	JANESS	1792.2			2449				
BASE 2	7/13/77	10:28	Kearney MTN NE	1153.2		0	2996				WINDY DAY
C-66	"	10:44	"	1156.9	4255.21	+364	3014	.37	42.9595	-129.05	
C-67	"	11:02	"	1217.9	120	+64.59	2945	.45	42.9649	-127.28	EST ELEV
C-68	"	11:13	V1	1249.3	175	+95.95	2916	.40	42.9691	-126.20	
C-69	"	11:25	"	1321.7	200	+168.35	2846	.232	42.9715	-123.27	
C-70	"	11:40	"	1366.2	305	+121.86	2804	.21	42.9751	-121.52	
C-71	"	12:24	"	1404.8	502	+251.59	2845	.18	42.9859	-118.00	EST ELEV
C-72	"	12:42	WINSON MTN NE	1482.1	4255.511	+328.97	2695	.15	42.9908	-117.49	EST ELEV
BASE 2	"	1:08	Novick MTN NE	1152.9		0	2996				
BASE 2	"	1:37	"	1151.9		0	2996				
C-65	"	2:08	BACKUS BUTTE	1770.9	4256.242	+619.25	2449	.11	42.0188	-104.69	
C-73	"	2:34	"	1733.7	216	+582.09	2470	.10	42.0119	-106.68	
C-74	"	3:05	"	1642.5	212	+490.89	2566	.11	42.0119	-110.37	
C-75	"	3:15	"	1601.3	211	+449.65	2591	.091	42.0068	-112.71	
C-76	"	3:44	"	1688.1	4256.27	+536.27	2496	.10	42.0258	-111.14	
BASE 2	"	4:19	Novick MTN NE	1152.2		0	2996				

GRAVITY REDUCTION SHEET

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Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
BASE CC-2	7/14/77	9:36	ROUGH MTN NE	1155.7	—	0	2996	—			
C-76	"	9:51	"	1087.1	42° 55' 3.75	-68.57	3124	.40	42.9373	-127.89	
C-77	"	10:08	"	1043.6	" "	2.58	3209	.55	42.9308	-126.53	
C-78	"	10:30	"	1019.9	" "	.26	3287	.659	42.9181	-123.01	
C-79	"	11:05	"	0808.9	42° 52' 5' 4.97	-346.50	3578	.85	42.9023	-125.76	
BASE CC-2	"	12:05	"	1154.9	—	0	2996	—			
BASE CC-2	"	12:29	"	1154.4	—	0	2996	—			
C-80	"	1:30	"	0806.5	42° 52' 5' 5.74	-347.28	3574	.50	42.9067	-126.82	
C-81	"	2:20	"	0967.5	" 55' 1.87	-786.03	3266	.37	42.9269	-130.62	LOCATION QUESTIONABLE
C-82	"	2:43	"	1035.2	" "	5.0	3177	.35	42.9442	-130.53	
C-83	"	2:59	WINGON WASH	1150.0	42° 55' 5.12	-3.49	3031	.33	42.9448	-127.48	
BASE CC-2	"	3:25	ROUGH MTN NE	1153.5	—	0	2996	—			
BASE CC-2	7/15/77	8:56	ROUGH MTN NE	1158.1	—	0	2996	—			
C-84	"	9:27	"	1216.4	42° 57' 5' 3.33	+58.48	2946	.45	42.9769	-128.94	
C-85	"	9:59	"	1150.7	" "	.33	3021	.30	42.9601	-129.86	LOC QUER. EST ELEV
C-86	"	10:24	"	1319.4	" "	1.93	2803	.50	42.9689	-126.04	
C-87	"	11:02	"	1040.5	42° 55' 5.0	-116.57	3246	1.25	42.9442	-125.27	
BASE CC-2	"	11:59	"	1156.4	—	0	2996	—			
BASE CC-2	"	12:53	"	1154.8	—	0	2996	—			
C-88	"	1:21	"	1311.4	42° 57' 5' .93	+156.73	2873	.70	42.9634	-121.65	
C-89	"	1:43	"	1168.4	42° 55' 6.73	+13.77	3077	.95	42.9537	-123.07	WINDY
C-90	"	2:04	"	1335.7	42° 55' 2.75	+181.06	2801	.40	42.9734	-124.68	
C-91	"	2:26	"	1114.5	" "	3.55	3126	.90	42.9763	-127.82	TYFFA DEPOSIT
C-92	"	2:—	"	—	—	—	2718	—	—	—	
C-92	"	3:13	"	1333.5	" "	6.1	2784	.30	42.9919	-127.78	
C-93	"	3:27	"	1401.3	" "	7.09	2688	.25	42.9973	-127.08	LOC QUESTIONABLE
BASE CC-2	"	3:43	"	1156.0	—	0	2996	—			

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P 6

Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-94	7/15/77	4:15	ANZEL/PC SPRING	0962.3	42 525' .61	-194.11	3431	.85	42.9617	-124.12	
C-95	"	4:23	"	0995.7	42 525' .005	-160.84	3370	.89	42.9586	-124.03	
C-96	"	4:44	"	1030.5	" 522	-126.24	3284	.987	42.9870	-128.09	
C-97	"	4:53	OREANA	1189.7	43 00' 1.21	+32.86	3000	.60	43.0067	-130.87	EST ELEV
C-98	"	5:07	"	1330.9	43 00'	+173.99	2799	.291	43.0245	-130.25	
BASE REC-2	"	5:25	ROUGH MOUNTAIN	1157.0	—	0	2996	—			
C-64	7/16/77	11:00	Castle Butte				2598				Base #4
CC Base A	7/16/77	11:27	Castle Butte	1675.8	—	0	2527	—			
C-99	"	11:48	"	1399.3	42 52' 1.23	-276.47	2733	.25	43.0068	-125.50	
C-100	"	12:05	Rough Mtn. NE	1322.7	42 525' 6.78	-353.00	2850 2733	.25	42.9956	-125.38	elev. 2850
C-101	"	12:15	"	1436.8	" 6.38	-238.87	2687	.20	42.9934	-123.21	
C-102	"	12:44	"	1236.5	" 3.86	-439.09	2936	.45	42.9796	-127.50	
C-103	"	1:39	Castle Butte	1723.7	43 00' 7.16	+48.28	2465	.15	43.0394	-110.91	
C-104	"	1:54	"	1653.7	" 5.05	-21.68	2513	.12	43.0311	-114.58	
C-105	"	2:07	"	1558.4	43 00' 2.59	-116.94	2581	.11	43.0142	-118.88	
C Base 4	"	2:25	"	1675.3	—	0	2527	—			time: 2:25
Base 4	7/17/77	12:54	"	1672.3	—	0	2527	—			
C-106	"	2:03	Rough Mtn NE	1172.0	42 525' 4.59	-499.69	3048	.70	42.9835	-127.14	
C-107	7/17/77	2:38	"	1275.3	" 6.55	-396.31	2875	.45	42.9943	-128.06	
C-108	"	3:09	Castle Butte	1410.7	43 00' 2.74	-260.96	2692	.20	43.0151	-127.16	
C-109	"	3:17	"	1371.3	" 3.13	-300.39	2725	.23	43.0190	-129.59	location approx, bench mark missing
BASE 4	"	3:37	"	1671.8	—	0	2527	—			CC Base 4
C-110	"	4:55	"	1395.7	" 60' 2.55	-277.30	2706	.20	43.0335	-129.67	location questionable
C-111	"	5:15	"	1354.5	" 60' 4.39	-319.00	2760	.25	43.0225	-129.71	" "
C-112	"	5:39	oreana	1342.8	" 60' 7.14	-331.34	2805	.25	43.0392	-129.77	
C-113	"	5:47	"	1361.6	42 25' 2.70	-312.77	2828	.30	43.0549	-127.80	

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P. 7

Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
*BASE C-114	7/17/77	6:00	Castle Route	1674.7		0	2527				
BASE C-114	7/19/77	10:41	CASTLE ROUTE	1681.7		0	2527				
C-115	"	10:59	DREAM	1389.5		-291.81	2775	.25	43.0521	-128.68	EST ELEV
C-116	"	11:09	CASTLE ROUTE	1423.4		-257.73	2720	.15	43.0492	-129.07	EST ELEV
C-117	"	11:19	"	1458.7		-222.26	2672	.11	43.0468	-127.28	
C-118	"	11:31	"	1498.9		-181.90	2643	.095	43.0454	-124.72	
C-119	"	11:37	"	1523.8		-156.96	2628	.095	43.0495	-123.40	EST ELEV
C-120	"	11:45	"	1540.1		-140.6	2625	.095	43.0513	-122.03	EST ELEV
C-121	"	11:53	"	1572.3		-108.34	2600	.095	43.0544	-120.46	EST ELEV MARK
BASE C-122	"	12:05	"	1680.6		0	2527				
BASE C-123	"	12:54	"	1680.8		0	2527				
C-124	"	1:03	"	1609.9		-70.88	2568	.095	43.0544	-118.50	EST ELEV
C-125	"	1:28	"	1678.6		-1.93	2500	.09	43.0544	-115.43	EST ELEV
C-126	"	1:34	"	1710.2		429.76	2495	.10	43.0619	-113.10	EST ELEV MARK
BASE C-127	"	2:34	"	1679.7		0	2527				
C-128	"	2:54	"	1428.3		-251.30	2795	.146	43.0662	-124.57	
C-129	"	2:59	"	1455.8		-223.74	2777	.17	43.0729	-123.36	EST ELEV
C-130	"	4:01	"	1582.1		-97.33	2754	.25	43.0833	-112.43	
C-131	"	4:16	"	1619.0		-60.44	2686	.20	43.0832	-112.74	
C-132	"	4:29	"	1669.9	Good Reading	-9.56	2692	.14	43.0890	-108.26	EST ELEV
C-133	"	4:53	"	1799.3		+117.75	2552	.16	43.0922	-103.68	
C-134	"	5:24	"	1472.0		-207.75	2787	.125	43.0624	-123.82	
BASE C-135	"	5:34	"	1679.8		0	2527				

GRAVITY REDUCTION SHEET

P. 8

Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-130	7/20/77	8:43	Castle Butte	1683.2	43° 25' 18"	0	2527	.112	43.0530	-113.36	980187.09 NO STATION - LOC AT elevation incorrect
C-130	"	8:55	Castle Butte	1853.2	43° 25' 18"	0	2442	—	—	—	—
C-131	"	10:09	"	1889.6	43° 25' 18"	+206.21	2405	.16	43.0569	-99.64	elev. may be off by a small amt. -
C-132	"	10:32	"	1907.4	43° 25' 18"	+224.06	2425	.15	43.0692	-97.68	roads poor
C-133	"	11:04	Castle Butte	1820.7	43° 25' 18"	+137.53	2533	.15	43.0764	-100.81	location & elev accurate
C-134	"	11:20	"	1888.3	43° 25' 18"	+205.22	2526	.15	43.0895	-95.36	
C-134	"	11:40	"	1682.9	—	0	2527	—	—	—	11:40 = time
C-Base	"	12:25	"	1682.0	—	0	2527	—	—	—	est. elev. ± 5 ft.
C-135	"	1:14	"	1927.0	43° 25' 18"	+245.28	2449	.19	43.0907	-95.91	
C-136	"	2:00	"	1672.7	43° 25' 18"	-90.3	2629	.15	43.0644	-109.20	
C-137	"	2:35	"	1737.5	43° 25' 18"	+55.62	2577	.12	43.0728	-106.39	
C-Base	"	3:14	"	1682.2	—	0	2527	—	—	—	
C-138	"	3:33	Castle Butte	1852.0	43° 00' 20"	+169.71	2380	.08	43.0113	-100.93	
C-139	"	3:42	"	1681.0	43° 00' 20"	+198.66	2377	.113	43.0263	-99.42	Bonus mark not very flat
C-140	"	3:50	"	1902.5	43° 00' 20"	+220.13	2365	.15	43.0359	-98.73	"
C-141	"	2:58	"	1898.8	43° 20' 40"	+216.41	2357	.16	43.0407	-100.03	
C-142	"	4:09	"	1950.3	43° 25' 18"	+267.92	2355	.20	43.0579	-96.28	
C-143	"	4:23	"	1982.3	43° 25' 18"	+299.97	2358	.20	43.0717	-94.00	
C-130	"	4:45	"	1880.4	43° 25' 18"	+198.18	2387	.14	43.0477	-100.76	Time: 4:45 Ave: 1880.4
C-Base	"	4:57	Castle Butte	1682.1	—	0	2527	—	—	—	
C-Base	7/8/77	13:39	Castle Butte	1686.7	—	0	2527	—	—	—	39°C
C-144	"	1:05	"	1823.4	43° 5' 20"	+136.92	2495	.14	43.0844	-103.91	EST ELEV
C-145	"	1:21	"	1912.8	43° 5' 20"	+226.41	2516	.15	43.1076	-95.38	
C-146	"	1:54	"	1944.5	43° 25' 18"	+58.20	2526	.12	43.0780	-109.68	
C-147	"	2:31	"	1689.2	43° 25' 18"	-57.14	2657	.15	43.0751	-113.48	
C-148	"	3:01	"	1620.9	43° 25' 18"	-65.60	2630	.17	43.0747	-115.94	EST ELEV
C-Base	"	4:21	"	1687.6	—	0	2527	—	—	—	

GRAVITY REDUCTION SHEET

Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
C-149	7/21/77	4:39	CASTLE BUTTE	1454.8	43.25.12	-233.10	2794	.25	43.0593	-122.00	
C-150	"	5:06	"	1593.3	1.14	-95.05	2631	.15	43.0628	-117.90	
BASE CC-4	"	5:23	"	1688.7	---	0	2527	---			
BS Base	7/22/77	8:16	Grandview 15'	1830.7		0					Grandview Abs. Base
Base #4	"	8:35	Castle Butte	1692.7		-138.15	2527				Tie-in
BS Base	"	8:55	Grandview 15'								redone Time: 8:58
BS Base	7/22/77	8:55	Grandview 15'	1830.8		0					26.7 Grandview Abs. Base
C Base	"	9:23	Castle Butte	1691.6		-138.24	2527				
BS Base	"	9:43	Grandview 15'	1821.2		0					Grandview Abs. Base
C Base #4	"	10:01	Castle Butte	1692.2		-136.44	2527				
BS Base	"	10:25	Grandview 15'	1828.0		0					Grandview Abs. Base
BASE CC-4	7/23/77	8:31	CASTLE BUTTE	1694.5	---	0	2527	---			
BASE CC-2	"	9:20	ROUGH MTN NE	1175.1	12° 55' 6.95	0	29896	.287	42.9549		
C-151	"	10:14	VINSON WASH	1669.3	12° 25' 7.10	+494.7	2546	.20	42.9974	-109.79	
C-152	"	10:35	"	1654.6	" 20'	+480.09	2596	.25	42.9970	-108.19	
C-153	"	11:04	"	1521.8	" 20'	347.33	2720	.25	42.9825	-113.22	
C-154	"	11:48	"	1352.8	" 32.7	+178.23	2935	.50	42.9796	-117.31	
BASE CC-2	"	12:36	ROUGH MTN NE	1174.9	---	0	2996	---			
BASE CC-2	"	12:56	"	1175.4	---	0	2996	---			
C-155	"	1:30	VINSON WASH	1385.9	42° 52' 2.01	+210.18	2827	.40	42.9694	-119.71	
C-156	"	1:52	"	1327.6	" 21.5	+151.86	2889	.30	42.9592	-121.21	
C-157	"	2:13	"	1267.5	42° 55' 6.79	+109.77	2933	.30	42.9507	-122.17	
C-158	"	2:39	"	1225.3	" 7.05	+49.67	3002	.35	42.9554	-124.63	
BASE CC-2	"	3:15	ROUGH MTN NE	1175.4	---	0	2996	---			
C-159	"	4:29	"	0946.1	42° 52' 6.25	-229.54	3328	.36	42.9094	-129.84	
C-160	"	4:46	"	0941.6	" 4.60	-234.30	3345	.38	42.9003	-128.47	

GRAVITY REDUCTION SHEET

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Sta	Date	Time	Map	Ave	Dial Readings	DCDD	Elev	TC	Lat	B.A.	Remarks
BASE C-2	7/23/77	5:18	ROUGH MTR/NE	1176.6		0	2996	-			
C-Base 161	7/24/77	10:57	COSTLE Butte	1698.5		0	2527	-			I+J Raining!
C-161	"	11:13	JACKASS Butte	1831.7		-133.10	2405	.08	43.0056	-102.73	
C-162	"	11:22	"	1844.0		+145.35	2395	.09	43.0147	-102.86	Road not present - position approx.
C-163	"	11:28	"	1839.7		+142.99	2412	.11	43.0209	-102.81	
C-164	"	11:36	"	1858.7		+159.94	2408	.14	43.0396	-102.75	
C-165	"	11:42	"	1796.0		+97.19	2440	.129	43.0448	-107.83	Road not present - position approx.
C-166	"	11:47	"	1832.1		+133.26	2425	.11	43.10450	-105.01	Location dependent upon last location
C-Base 169	"	11:52	COSTLE Butte	1698.9		0	2527	-			time: 11:57
BASE C-167	7/25/77	8:36	ROUGH MTR/NE	1184.1		0	2996	-			
C-167	"	9:08	"	0800.8		-384.07	3644	.55	42.8943	-125.25	LOCATION QUESTIONABLE
BASE C-168	"	9:28	"	0698.8		-485.56	3817	.60	42.9830	-124.29	
BASE C-168	"	9:56	"	1184.5		0	2996	-			
BASE C-169	"	10:24	"	1136.4		0	3166	-			
C-170	"	11:05	"	0719.8		-416.95	3754	.75	42.8935	-126.77	
BASE C-170	"	12:56	"	0937.0		-199.87	3428	1.50	42.9222	-125.72	
BASE C-171	"	1:37	"	1136.6		0	3166	-			
BASE C-171	"	2:07	"	1135.8		0	3166	-			
BASE C-171	"	2:38	COSTLE Butte	1705.5		0	2527	-			
C-171	"	3:04	JACKASS Butte	1955.7		+250.26	2391	.178	43.0659	-96.69	LOC APPROX
C-172	"	3:43	"	1755.3		+49.80	2511	.14	43.0271	-106.86	
C-173	"	4:10	"	1823.6		+118.32	2443	.13	43.0261	-103.76	
C-174	"	4:33	"	1586.5		-118.73	2626	.13	43.0059	-115.57	
C-175	"	4:46	ROUGH MTR/NE	1520.2		-184.98	2650	.18	42.9988	-120.34	
BASE C-175	"	5:21	COSTLE Butte	1705.1		0	2527	-			

