

CROSS REFERFNCE LIST
UNITED STATES

WASHINGTON

STATION DESIGNATION	DOD REF NO	IGSN 71 G-VALUE
BELLINGHAM	1258-1	980 874.43
CHELAN	2100-1	980 736.37
COLFAX	0482-1	980 543.70
DARRINGTON	1257-0	980 770.75
EASTON	1259-0	980 591.93
ELLENSBURG	2101-1	980 605.59
GLENWOOD	1268-0	980 510.65
GOLDENDALE	1269-0	980 526.98
GRAND COULEF	2102-1	980 710.73
KELSO	1266-0	980 708.28
METALINE	0483-1	980 698.83
MOCLIPS	2039-1	980 759.00
MOSES LAKE	1261-0	980 681.97
ODESSA	1260-0	980 662.77
OLYMPIA	0598-0	980 802.45
OMAK	2103-1	980 770.02
OROVILLE	2104-1	980 782.14
PORT ANGELES	0790-1	980 861.40
RAYMOND	1264-0	980 779.36
SEATTLE	0252-1	980 724.34
SPOKANE	0451-2	980 659.72
TACOMA	0396-2	980 757.95
UNIONTOWN	3937-1	980 508.49
WENATCHEE	2105-1	980 697.05
YAKIMA	1270-0	980 603.11

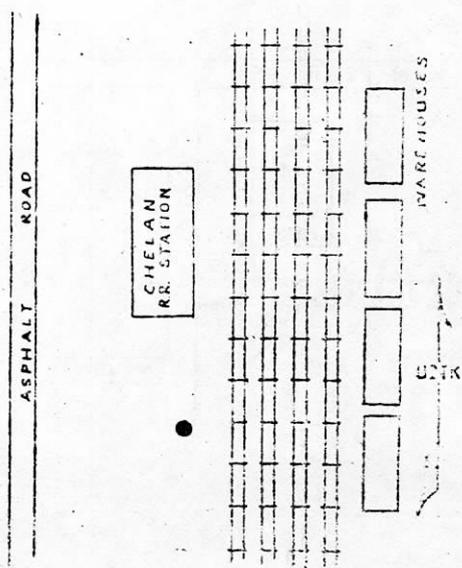
GRAVITY BASE STATION

LATITUDE	47° 48.5'N	(1)	STATION DESIGNATION	
LONGITUDE	119° 58.5'W	(1)	CHELAN	
ELEVATION	226.9	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 2100-1			g =	980 750.06
				mgals
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR
				9/70

DESCRIPTION AND/OR SKETCH

The station is located at the Chelan railroad station. It is between the asphalt road and the tracks.

The site is marked with a USGS bronze disk. (1)



(1)

REFERENCE SOURCE

(1) 02615

GRAVITY BASE STATION

LATITUDE <div style="text-align: right; padding-right: 20px;">46° 56.25'N (1)</div>	STATION DESIGNATION <div style="text-align: center; padding-top: 10px;">COLFAX</div>	
LONGITUDE <div style="text-align: right; padding-right: 20px;">117° 19.93'W (1)</div>		
ELEVATION <div style="text-align: right; padding-right: 20px;">712.6 METERS (1)</div>	COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE
ACIC 0482-1		$g =$ 980 557.40 mgals
HUS 155		
		ESTIMATED ACCURACY
		\pm 0.3 mgals
		DATE
		MONTH/YEAR 9/70

DESCRIPTION AND/OR SKETCH

T 17N, R 43E, S 25

Approximately 3.0 miles north of Colfax along US Highway 195, centerline of a blacktop road (leading east to Albion) intersection. Station is on south side of highway from BM (4 feet lower); no indication on map that this is a USGS BM. BM elevation: 2334 feet

(1)

REFERENCE SOURCE

(1) 04099

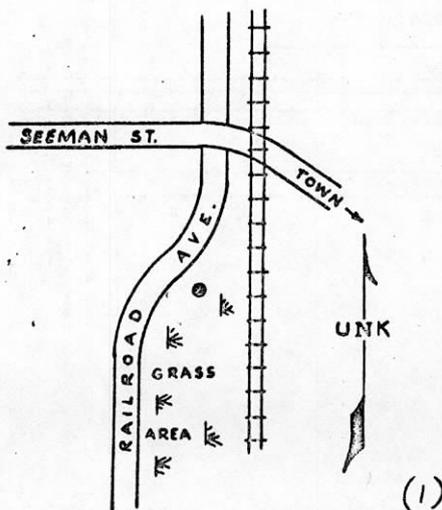
GRAVITY BASE STATION

LATITUDE 48° 15' N (1)	STATION DESIGNATION	
LONGITUDE 121° 37' W (1)	DARRINGTON	
ELEVATION 169.4 METERS (1)	COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE
ACTC 1257-0		$g = 980\ 784.444$ mgals
IGB 15781B		
	ESTIMATED ACCURACY	DATE
	+ 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is near the intersection of Seeman St. and Railroad Ave., between the railroad track and Railroad Ave.

It is marked by a State Highway Department bronze disk set in a square concrete monument. (1)



REFERENCE SOURCE

(1) 02615

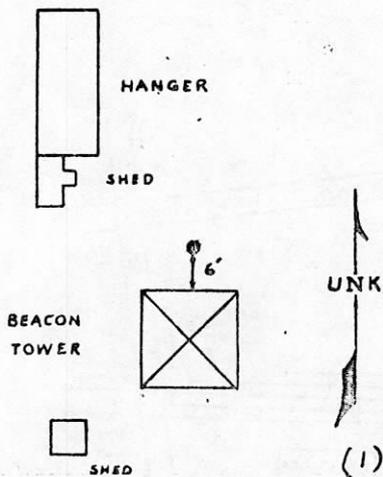
GRAVITY BASE STATION

LATITUDE 47° 15'N (1)		STATION DESIGNATION	
LONGITUDE 121° 12'W (1)		EASTON	
ELEVATION 676.8 METERS (1)		COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 1259-0		g = 980 605.62 mgals	
IGB 15771J			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at the Easton Airport, near the beacon tower, between the tower and the hangar.

The site is marked by a USC&GS bronze disk set in concrete. (1)



REFERENCE SOURCE

(1) 02615

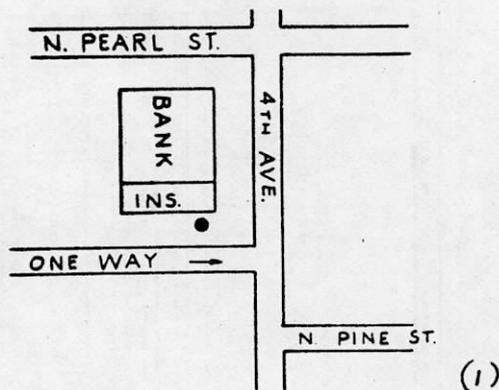
GRAVITY BASE STATION

LATITUDE	46° 59.5'N	(1)	STATION DESIGNATION	
LONGITUDE	120° 32.0'W	(1)	ELLENSBURG	
ELEVATION	468.4	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 2101-1			g = 980 619.28 mgals	
IGB 15760B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR
				Nov/1967

DESCRIPTION AND/OR SKETCH

The station is in the town of Ellensburg, on the sidewalk on the west side of one way street (first street east of N. Pearl St.), and south of 4th Avenue.

The site is marked by a USC&GS bronze disk. (1)



REFERENCE SOURCE

(1) 02615

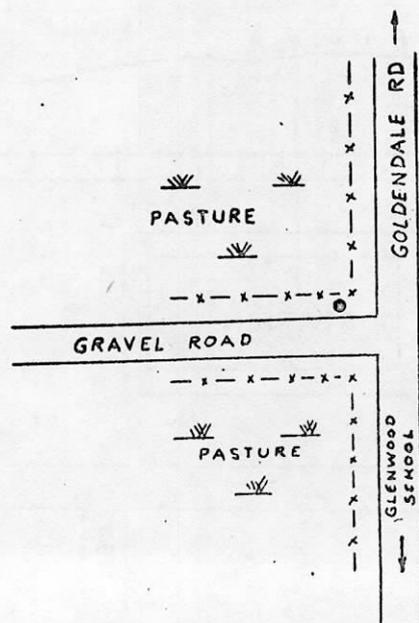
GRAVITY BASE STATION

LATITUDE	46° 01.5'N	(1)	STATION DESIGNATION	
LONGITUDE	121° 17.0'W	(1)	GLENWOOD	
ELEVATION	575.6	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIG 1268-0			$g = 980\,524.34$ mgals	
IGB 15761B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR Nov/1969

DESCRIPTION AND/OR SKETCH

The station is located north of the school building and northwest of the intersection of a gravel road and the Goldendale Road.

The site is marked by a USGS bronze disk and is between the road and the fence. (1)



REFERENCE SOURCE

(1) 02615

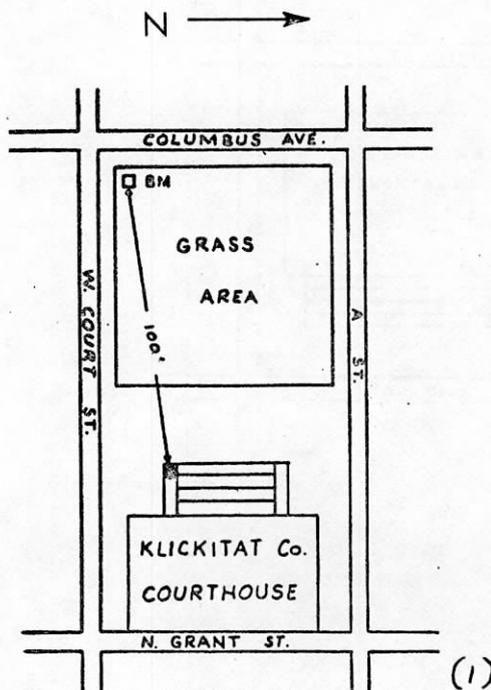
GRAVITY BASE STATION

LATITUDE 45° 50'N (1)		STATION DESIGNATION	
LONGITUDE 120° 48.5'E (1)		GOLDENDALE	
ELEVATION 497.8 METERS (1)		COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 1269-0		g = 980 540.67 mgals	
IGB 15750B			
		ESTIMATED ACCURACY	DATE
		+ 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at the Klickitat County Courthouse, between West Court Street and A Street. Observations were made on the steps leading to the west entrance on the flat area part way up the flight, on the south side.

The site is 100 feet ENE of a USC&GS bronze disk at the northeast corner of the intersection of W. Court St. and Columbus Ave. (1)



REFERENCE SOURCE

(1) 02615

941

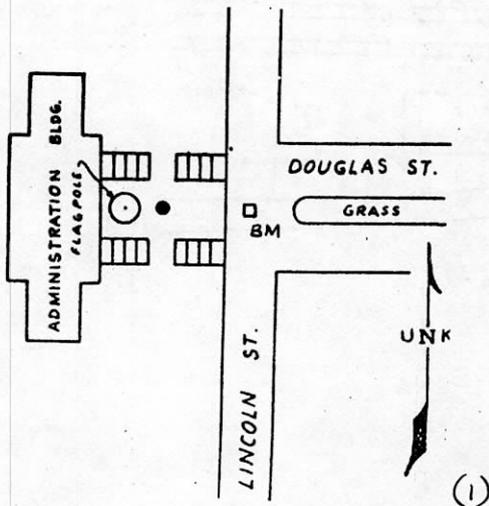
GRAVITY BASE STATION

LATITUDE 47° 58.5'N (1)	STATION DESIGNATION	
LONGITUDE 119° 02.0'W (1)	GRAND COULEE	
ELEVATION 342.1 METERS (1)	COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE
ACIC 2102-1	g = 980 724.42 mgals	
	ESTIMATED ACCURACY	DATE
	± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at Grand Coulee dam, in front of the Administration Building, directly in front of the flagpole on the street side.

A USBR bronze disk is located under a cast iron cover centered in the intersection of Lincoln and Douglas Streets, in front of the Administration Building. (1)



REFERENCE SOURCE

(1) 02615

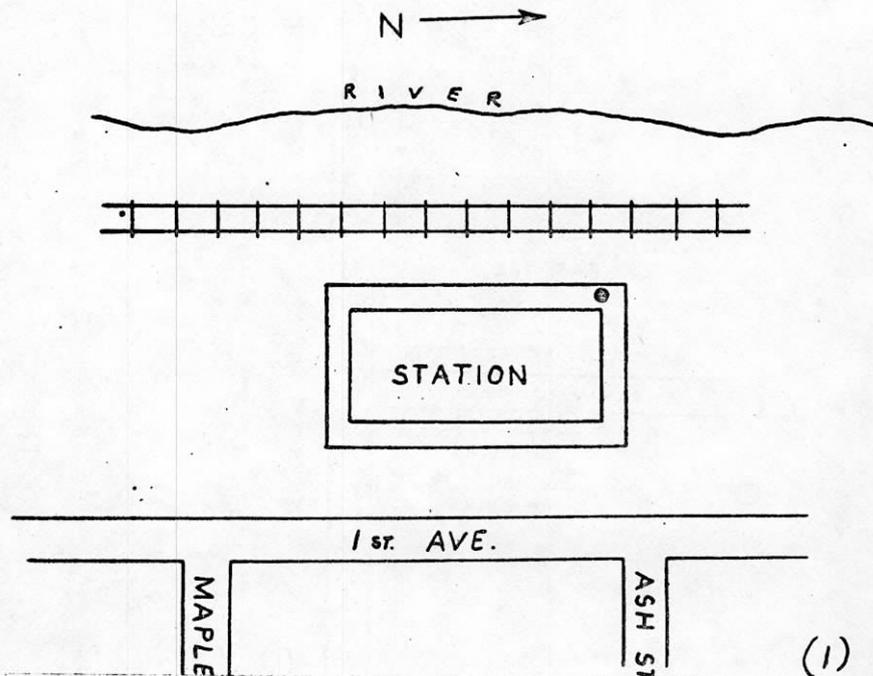
GRAVITY BASE STATION

LATITUDE <div style="text-align: center; font-size: 1.2em;">46° 10'N</div> <div style="text-align: right;">(1)</div>	STATION DESIGNATION <div style="text-align: center; font-size: 1.2em;">KELSO</div>
LONGITUDE <div style="text-align: center; font-size: 1.2em;">122° 55'W</div> <div style="text-align: right;">(1)</div>	
ELEVATION <div style="text-align: center; font-size: 1.2em;">9.0</div> <div style="text-align: right;">METERS (1)</div>	COUNTRY/STATE USA/Washington
REFERENCE CODE NUMBERS	
ACIG 1266-0 IGB 15762B	ADOPTED GRAVITY VALUE <div style="font-size: 1.2em; margin-top: 10px;">g = 980 721.97</div> mgals
ESTIMATED ACCURACY	
± 0.1 mgals	DATE
	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is located in Kelso, at the northwest corner of the rail-road station.

The site is marked by a USGS bronze disk. (1)



REFERENCE SOURCE

(1) 02615

GRAVITY BASE STATION

LATITUDE	48° 41.88'N	(1)	STATION DESIGNATION	
LONGITUDE	117° 24.60'W	(1)	METALINE	
ELEVATION	639.2	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0483-1			$g =$ 980 712.53 mgals	
HUS 168				
			ESTIMATED ACCURACY	
			DATE	
			± 0.3 mgals	MONTH/YEAR
				9/70

DESCRIPTION AND/OR SKETCH

T 37N, R 43E, S 19-20 border

7.5 miles south of Metaline, on the west side of State Highway 31 (#6), 25 feet north of railroad crossing, on a dirt road intersection, stamping: "R 46 1930", elevation: 2097.840 feet. (1)

REFERENCE SOURCE

(1) 04099

GRAVITY BASE STATION

LATITUDE	47° 14.6'N	(1)	STATION DESIGNATION	
LONGITUDE	124° 13.4'W	(1)	MOCLIPS	
ELEVATION	8	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 2039-1			$g = 980\,772.7$ mgals	
U 228				
			ESTIMATED ACCURACY	DATE
			± 0.5 mgals	MONTH/YEAR
				Aug/1968

DESCRIPTION AND/OR SKETCH

The station is in the town of Moclips, in the school building which is about 100 meters south of the Moclips River and about 200 meters east of the Northern Pacific Railway tracks.

The site is in the south part of the furnace room. (1)

REFERENCE SOURCE

(1) 00269

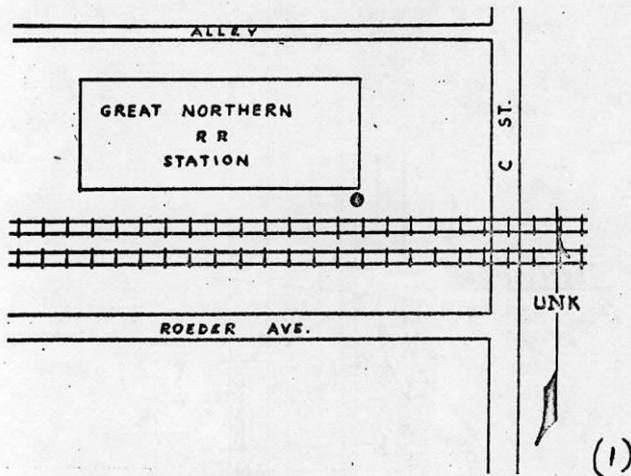
GRAVITY BASE STATION

LATITUDE	STATION DESIGNATION		
LONGITUDE	BELLINGHAM		
ELEVATION	COUNTRY/STATE		
5.0 METERS (1)	USA/Washington		
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 1258-1	$g =$ 980 888.12		mgals
IGB 15782B			
	ESTIMATED ACCURACY	DATE	
	\pm 0.1 mgals	MONTH/YEAR	
		Nov/1967	

DESCRIPTION AND/OR SKETCH

The station is located in Bellingham, at the railroad station.

The site is at the corner of the Great Northern Station building nearest C street and the tracks. It is marked by a USC&GS bronze disk. (1)



REFERENCE SOURCE

(1) 02615

GRAVITY BASE STATION

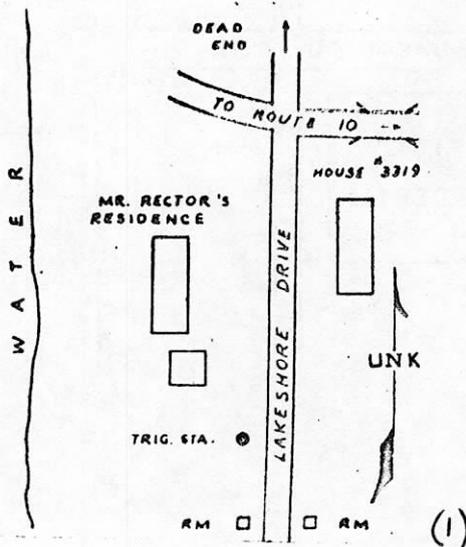
LATITUDE	47° 07.0'N	(1)	STATION DESIGNATION	
LONGITUDE	119° 17.0'W	(1)	MOSES LAKE	
ELEVATION	329.3	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1261-0			g = 980 695.66 mgals	
IGB 15679B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR
				Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at Moses Lake, just off of Lakeshore Drive on the lake side.

The next house toward the dead end on the station side of the drive is Mr. Rector's, and on the other side in no. 3319.

The station is marked by an USC&GS bronze disk set in concrete. (1)



REFERENCE SOURCE

(1) 02615

GRAVITY BASE STATION

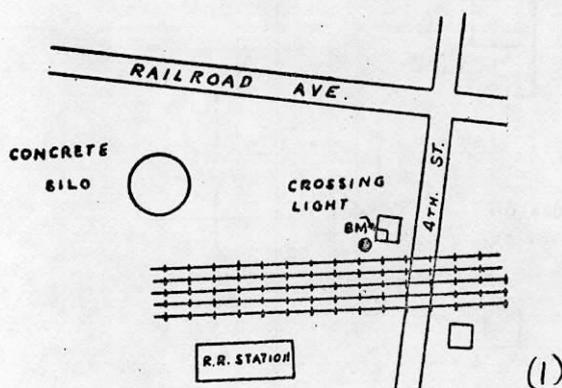
LATITUDE	47° 20.5'N	(1)	STATION DESIGNATION	
LONGITUDE	118° 41.0'W	(1)	ODESSA	
ELEVATION	472.3	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1260-0			g = 980 676.42 mgals	
IGB 15678B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at the Odessa railroad station.

The site is at the crossing light on the north side of the tracks on Fourth Street, at the SW corner of the concrete base.

The station is marked by a USC&GS bronze disk. (1)



REFERENCE SOURCE

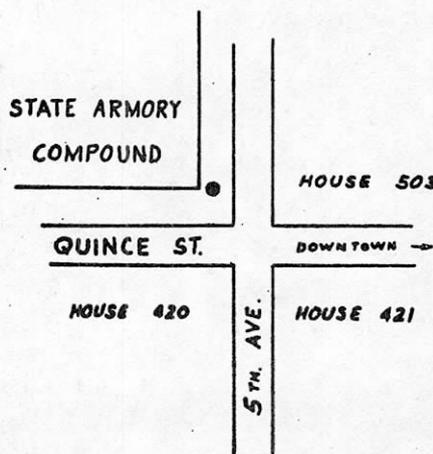
(1) 02615

GRAVITY BASE STATION

LATITUDE	46° 58.2'N	(1)	STATION DESIGNATION	
LONGITUDE	122° 55.0'W	(1)	OLYMPIA	
ELEVATION			COUNTRY/STATE	
	METERS		USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0598 -0			g = 980 816.16	mgals
IGB 15762B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

Station is located in the town of Olympia, at the intersection of Quince Street and 5th Avenue, on the northwest corner of the intersection, on the curb at the southeast corner of the State Armory Compound. (1)



REFERENCE SOURCE

(1) 02615

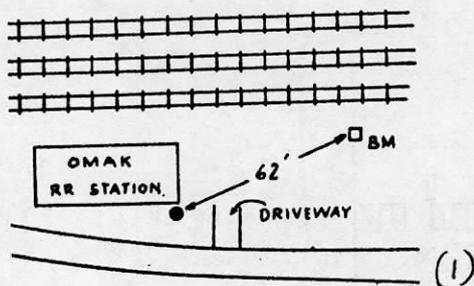
GRAVITY BASE STATION

LATITUDE 48° 24.0'N (1)	STATION DESIGNATION OMAK	
LONGITUDE 119° 29.5'W (1)	COUNTRY/STATE USA/Washington	
ELEVATION 261.7 METERS (1)	ADOPTED GRAVITY VALUE	
REFERENCE CODE NUMBERS ACIG 2103-1 IGB 15689B	g = 980 783.71 mgals	
	ESTIMATED ACCURACY ± 0.1 mgals	DATE MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at the Omak railroad station, at the southeast corner of the station building.

A USC&GS bronze disk, set in concrete, is located 62' NE of the gravity station. (1)



REFERENCE SOURCE

(1) 02615

1000

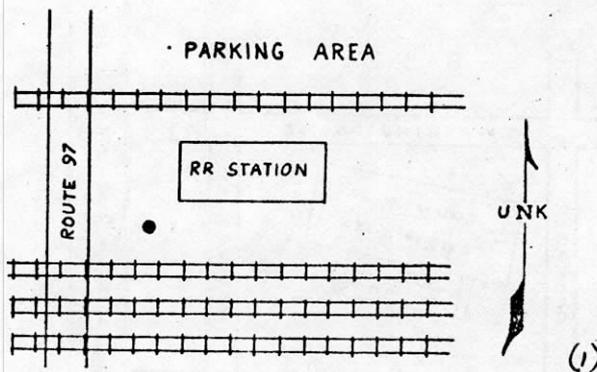
GRAVITY BASE STATION

LATITUDE		STATION DESIGNATION	
48° 56.0'N	(1)	OROVILLE	
LONGITUDE			
119° 26.0'W	(1)	COUNTRY/STATE	
ELEVATION		USA/Washington	
282.4	METERS (1)	ADOPTED GRAVITY VALUE	
REFERENCE CODE NUMBERS.		g = 980 795.83 mgals	
ACIC 2104-1			
IGB 15689B			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is at the Oroville railroad station. The site is between the station building and the intersection of Route 97 with the three tracks

The site is marked by a USGS bronze disk set in concrete. (1)



REFERENCE SOURCE

(1) 02615

1099

GRAVITY BASE STATION

LATITUDE	48° 07.0'N	(1)	STATION DESIGNATION	
LONGITUDE	123° 25.9'W	(1)	PORT ANGELES	
ELEVATION	24	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 0790-1			$g = 980\ 875.1$ mgals	
U 223				
			ESTIMATED ACCURACY	DATE
			± 0.5 mgals	MONTH/YEAR Dec/1968

DESCRIPTION AND/OR SKETCH

Station is located at Port Angeles, at the county courthouse on Lincoln Street between Third and Fourth Streets, in the northernmost basement room. (1)

REFERENCE SOURCE

(1) 00269

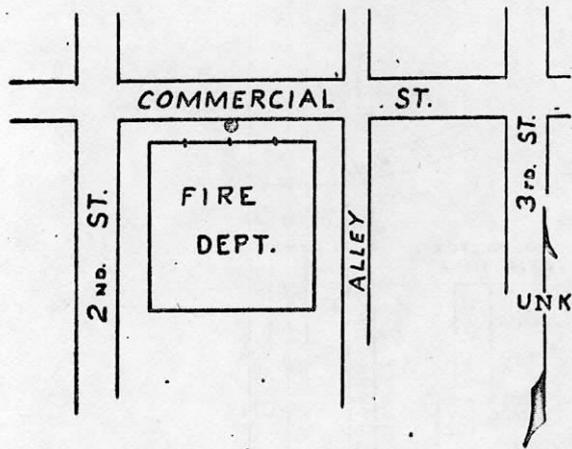
GRAVITY BASE STATION

LATITUDE	46° 42' N	(1)	STATION DESIGNATION	
LONGITUDE	123° 44' W	(1)	RAYMOND	
ELEVATION	4.2	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 1264-0			g = 980 793.05 mgals	
IGB 15763B				
			ESTIMATED ACCURACY	DATE
			+ 0.1 mgals	MONTH/YEAR
				Nov/1967

DESCRIPTION AND/OR SKETCH

The station is located in the town of Raymond, on Commercial Street, in front of the Fire Department building.

The site is marked by a USC&GS bronze disk. Readings were made on the sidewalk directly below the bench marks. (1)



REFERENCE SOURCE

(1) 02615

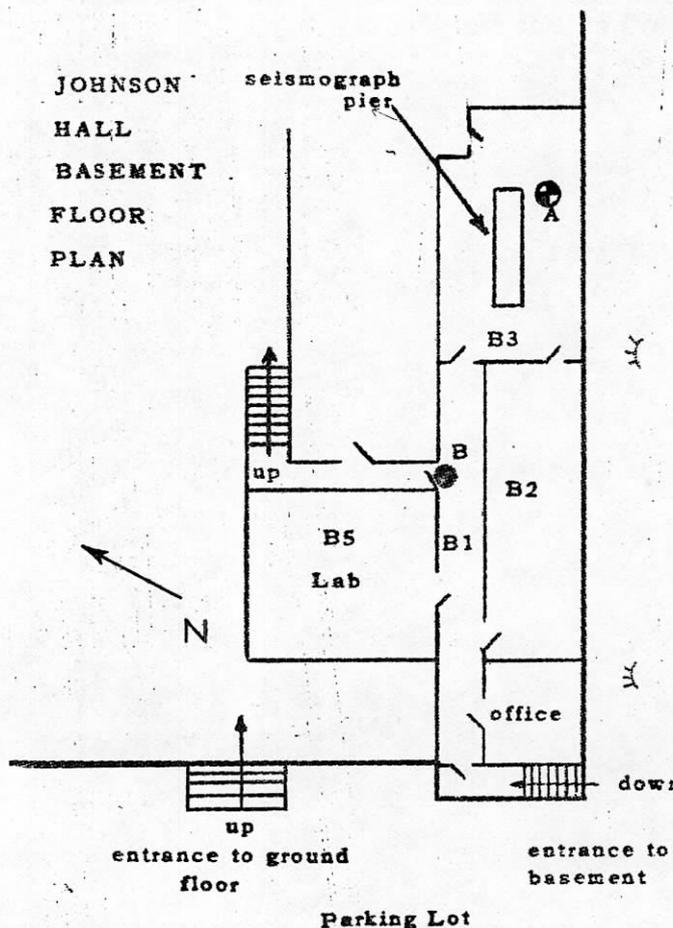
GRAVITY BASE STATION

LATITUDE	47° 39.60'N	(1)	STATION DESIGNATION	
LONGITUDE	122° 18.30'W	(1)	SEATTLE	
ELEVATION	58.00	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACTC 0252-1			$g = 980\,738.02$ mgals	
IGB 15772A				
GW 104				
DO 9804-66			ESTIMATED ACCURACY	DATE
NHO 33.00			+ - 0.1 mgals	MONTH/YEAR July/1967

DESCRIPTION AND/OR SKETCH

The station is in Seattle on the University of Washington campus, at the Geology Building (Johnson Hall), in the southwest part of the basement, in room B-3 (the Seismograph Lab), at the foot of the southeast corner of the 1.03 meter high seismic pier, on the concrete floor.

Station is monumented with a National Gravity Base Disk. (1)



(1)

REFERENCE SOURCE

(1) 02733

GRAVITY BASE STATION

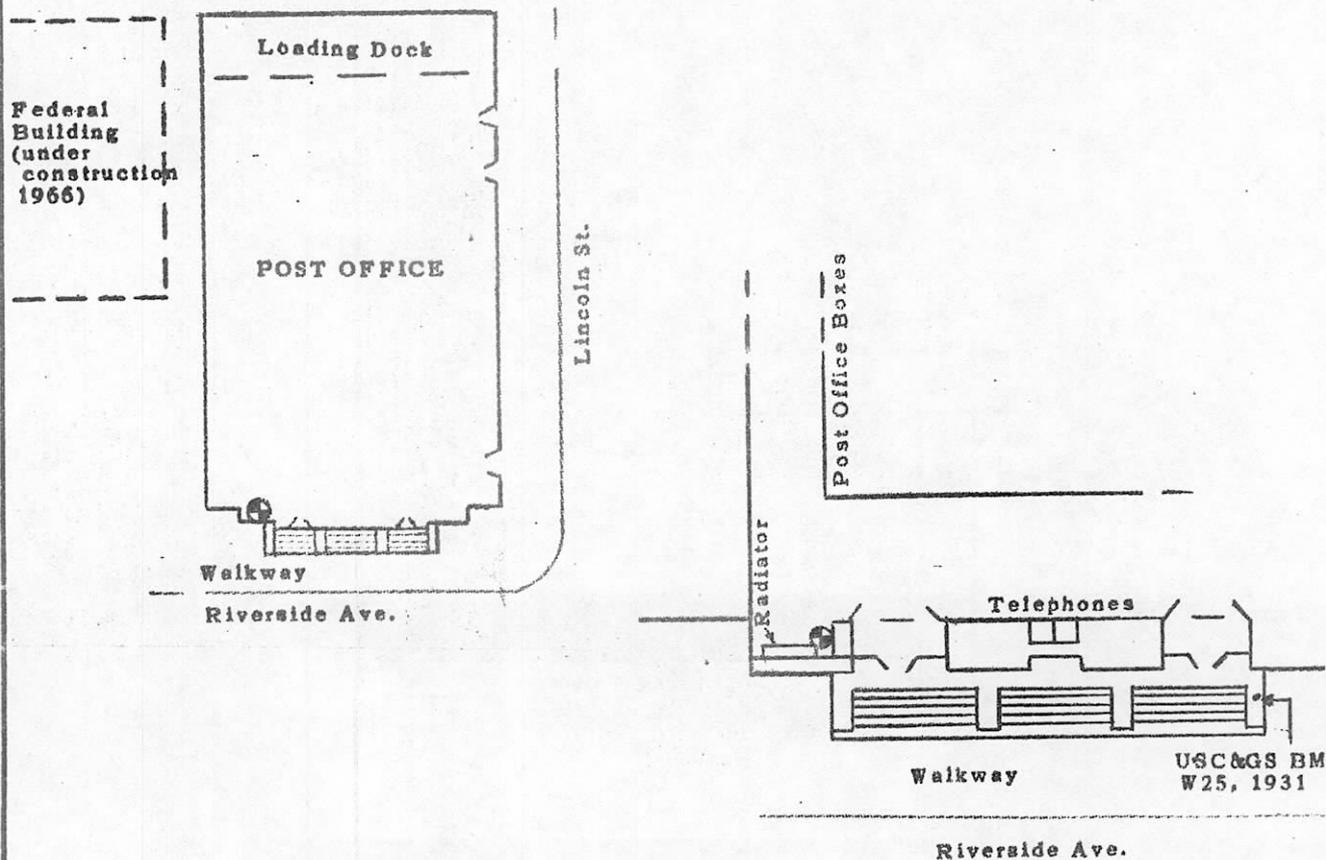
LATITUDE 47° 39.5'N (1)	STATION DESIGNATION	
LONGITUDE 117° 22.00'W (1)	SPOKANE	
ELEVATION METERS	COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS	ADOPTED GRAVITY VALUE	
ACTC 0451-2 IGB 15677B	$g = 980\ 673.39$ mgals	
	ESTIMATED ACCURACY	DATE
	± 0.1 mgals	MONTH/YEAR July/1967

DESCRIPTION AND/OR SKETCH

The station is in downtown Spokane at the Post Office (at the northwest corner of Riverside Ave. and Lincoln St.), inside the main (Riverside Ave.) entrance, about one meter west of the westernmost doors, at the southeast corner of the alcove, adjacent to the east end of the radiator and under the end of the desk.

Station is monumented with a National Gravity Base Disk. (1)

Main Ave.



(1)

INSET

REFERENCE SOURCE

(1) 02733

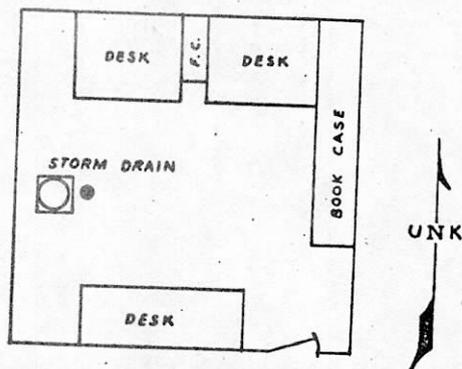
GRAVITY BASE STATION

LATITUDE 47° 16' N (1)		STATION DESIGNATION	
LONGITUDE 122° 29.5' W (1)		TACOMA	
ELEVATION METERS		COUNTRY/STATE USA/Washington	
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACTG 0396-2		g = 980 771.64 mgals	
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR Nov/1967

DESCRIPTION AND/OR SKETCH

The station is located at Tacoma, in the Science Building of the University of Puget Sound. Readings were made on the first floor, in Room No. 1, the office of Dr. Danes and Dr. Howes.

The instrument was set up on the floor just in front of the storm drain. (1)



(1)

REFERENCE SOURCE

(1) 02615

GRAVITY BASE STATION

LATITUDE <div style="text-align: center;">46° 28.45'N (1)</div>	STATION DESIGNATION <div style="text-align: center;">UNION TOWN</div>
LONGITUDE <div style="text-align: center;">117° 02.30'W (1)</div>	
ELEVATION <div style="text-align: center;">810.5 METERS (1)</div>	COUNTRY/STATE <div style="text-align: center;">USA/Washington</div>
REFERENCE CODE NUMBERS	ADOPTED GRAVITY VALUE
ACIC 3937-1	$g =$ 980 522.19 mgals
HUS 151	
	ESTIMATED ACCURACY
	+ 0.3 mgals
	DATE
	MONTH/YEAR
	10/70

DESCRIPTION AND/OR SKETCH

T 36N, R 6W, S 12
 (Washington-Idaho border)

5.0 miles south along US Highway 195, from the Community Building at Union town, Washington; 0.3 mile east along Highway 95, at the Washington-Idaho state line. At a point where a powerline crosses the highway, 22 feet northwest of the center line of the highway. Set in concrete post, 1.1 feet above the ground. (1)

REFERENCE SOURCE

(1) 04099

1357

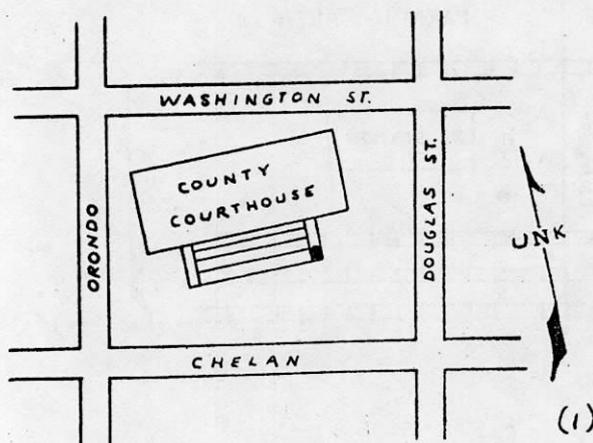
GRAVITY BASE STATION

LATITUDE	47° 25' N	(1)	STATION DESIGNATION	
LONGITUDE	120° 18' W	(1)	WENATCHEE	
ELEVATION	221.5	METERS (1)	COUNTRY/STATE	
			USA/Washington	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACIC 2105-1			$g = 980\,710.74$ mgals	
IGB 15770B				
			ESTIMATED ACCURACY	DATE
			± 0.1 mgals	MONTH/YEAR
				Nov/1967

DESCRIPTION AND/OR SKETCH

The station is located in Wenatchee, at the county courthouse. Approaching the entrance, the site is on the lowest block to the right of the steps.

It is marked with a USC&GS bronze disk. (1)



REFERENCE SOURCE

(1) 02615

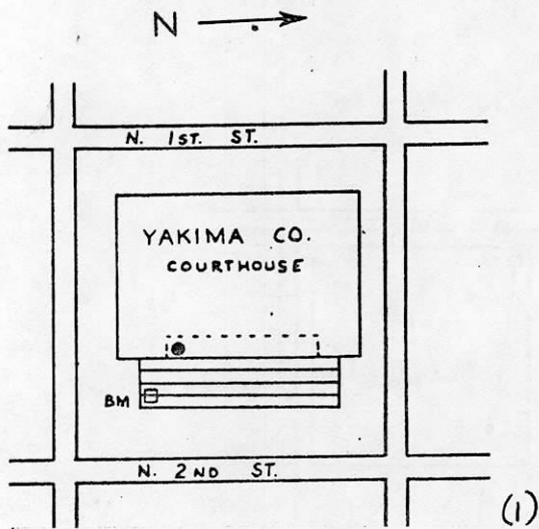
GRAVITY BASE STATION

LATITUDE	46° 36.0'N	(1)	STATION DESIGNATION	
LONGITUDE	120° 30.5'W	(1)	YAKIMA	
ELEVATION	324.9	METERS (1)	COUNTRY/STATE	
REFERENCE CODE NUMBERS			ADOPTED GRAVITY VALUE	
ACTC 1270-0			$g = 980\ 616.80$ mgals	
			ESTIMATED ACCURACY	DATE
			+ 0.1 mgals	MONTH/YEAR
			Nov/1967	

DESCRIPTION AND/OR SKETCH

The station is at the main entrance to the Yakima County Courthouse, to the south of the entrance, on the top step.

A USC&GS bronze disk is at the bottom of the flight of steps on the south side. (1)



REFERENCE SOURCE

(1) 02615