

ORGN CORS Coordinates

Coordinates shown for **active** ORGN stations are the coordinate values computed by ODOT for the **Antenna Reference Point (ARP)**. The coordinates are referenced to the **NAD 83 (CORS 96) (Epoch 2002)** datum/epoch, which is the same datum/epoch used by the National Geodetic Survey (NGS) for their Continuously Operating Reference Stations (CORS) system.

Coordinates for ORGN stations are computed by ODOT from 22 days of data from each station that are submitted to the NGS's On-line Positioning User Service (OPUS), and then statistically analyzed by ODOT at the 99% confidence level.

Note: The ODOT-adopted positions for stations in the ORGN may vary slightly from the official NGS-adopted position of some of those stations that are also existing NGS CORS stations operating by our ORGN partners. This is because the **NGS CORS Coordinate Update Policy**, June 23, 1999, states that NGS "will replace the currently adopted NAD 83 coordinates of a particular CORS with its corresponding provisional coordinates **only** if these two positions differ by more than **2 cm horizontally** and/or **4 cm vertically**". The NGS has acknowledged that regional real-time GPS networks such as the ORGN may require tighter internal consistency than the NGS policy provides for. The NGS draft **Guidelines for Operating a Real-Time GNSS Network**, January 18, 2008, state that "For the sake of internal network consistency, the RTN administrator may want to adopt his/her adjusted values for the CORS coordinates rather than use the NGS-adopted values."

Coordinates shown for **planned** ORGN stations that are not yet active are approximate coordinates for planning purposes only.

Active ORGN Station: using for RTK correctors in Spider
ORGN Station Down for Maintenance
Planned Location: Site Identified for Installation

March 7, 2013

Station ID	#	Status	Location	Latitude	Longitude	Ellipsoid Height (meters)
ANAT	201	Active	Anatone_WA	46 07 58.29418	117 08 07.48180	1087.798
ARLN	202	Active	Arlington	45 42 29.52421	120 10 59.71134	120.831
ASHL	203	Active	Ashland	42 10 50.47057	122 40 12.55208	609.155
BEND	205	Active	Bend_Deschutes_County	44 03 25.75602	121 18 54.61165	1096.267
BLY1	204	Active	Bly	42 24 24.62557	121 02 56.57571	1313.888
CABL	206	Active	Cape Blanco	42 50 9.93892	124 33 47.98831	38.2794
CHEM	208	Active	Chemult	43 13 27.68305	121 47 08.94010	1440.419
COBO	209	Active	Beaverton_City_of	45 29 8.88697	122 47 50.56485	47.243
COND	210	Active	Condon	45 14 16.44713	120 10 52.90367	865.861
CTPT	212	Active	Central_Point	42 22 36.08203	122 53 38.19420	370.982
DCSO	213	Active	Roseburg_Douglas_County	43 12 39.61530	123 20 29.39067	137.168
ENTR	214	Active	Enterprise	45 25 52.50579	117 17 17.03840	1127.0858
FWBD	215	Active	Farewell Bend POE	44 17 30.78083	117 13 17.85430	631.959
GLWD	216	Active	Glenwood_WA (new grd mount)	46 01 11.36601	121 17 18.92757	561.4185
GOBS	217	Active	Goldendale_WA	45 50 19.72989	120 48 52.77744	621.974
GRAS	219	Active	Grass_Valley_BLM	45 21 51.87372	120 47 14.62164	677.89
GTPS	220	Active	Grants_Pass	42 26 04.16245	123 17 50.50982	279.026
HFWY	221	Active	Halfway	44 52 20.58843	117 05 59.32976	783.984
JIME	223	Active	Hillsboro_Washington_County	45 31 23.21176	122 59 25.84485	53.417
KENI3x	224	Active	Kennewick_WA	46 11 52.36420	119 9 31.01783	146.453
KFRC	225	Active	Klamath_Falls_Rhine_Cross	42 13 27.00051	121 47 01.91191	1240.594
LAPN	230	Active	La_Pine_Deschutes_County	43 39 52.55089	121 30 21.55192	1279.382
LCSO	226	Active	Albany_Linn_County	44 38 03.64884	123 06 23.93692	59.369
LFLO	227	Active	Florence_Lane_County	43 59 00.96409	124 06 27.69262	-6.0275
LPSB	228	Active	Eugene_Lane_County	44 03 04.40693	123 05 24.25020	118.102
LWCK	229	Active	Ilwaco_WA (new grd mount)	46 16 41.26224	124 3 13.78749	39.3185
MCSO	232	Active	Salem_Marion_County	44 58 25.70195	122 57 20.63917	53.191
MDRS	234	Active	Madras	44 39 50.49109	121 07 49.45006	736.36
NWBG	235	Active	Newberg_City_of	45 18 0.17015	122 58 31.85274	42.927
OAKR	236	Active	Oakridge	43 44 18.00284	122 26 40.37936	376.299
OBEC	237	Active	Eugene	44 03 57.45762	123 5 53.27985	112.218
ODOT	238	Active	TLC Building Salem	44 53 47.96465	123 00 02.84861	51.642
ONAB	239	Active	Ona_Beach	44 30 52.26339	124 04 28.20136	17.887
P022	240	Active	La_Grande	45 13 54.41190	118 0 49.52646	888.618
P062	241	Active	Silver_Lake	43 06 44.57701	121 05 26.51252	1350.731
P063	243	Active	Shaniko_Jct_97_197	44 55 21.78326	120 56 46.09368	965.836
P154	244	Active	IshkeshRnch, CA	41 48 25.48140	123 21 36.12349	320.30786
P179	245	Active	Cave_Jct	42 05 56.28234	123 41 07.99927	402.618
P363	246	Active	Dingbat flats-Powers	42 51 36.21281	124 3 14.51710	70.7718
P365	247	Active	Coos_Bay	43 23 43.84936	124 15 12.47990	27.4733
P374	374	Active	Alsea	44 22 54.91637	123 35 26.24763	73.598
P375	375	Active	Kings Valley OR	44 41 21.30002	123 25 37.09504	99.599
P384	248	Active	House Mountain	44 50 28.05391	122 28 58.08860	1182.984
P385	249	Active	Santiam_Jct_20_22	44 26 5.43704	121 56 44.94525	1121.242
P386	250	Active	John Day Airport	44 24 10.16242	118 58 4.08532	1103.992
P387	251	Active	Sisters	44 17 48.30539	121 34 28.05906	963.039
P389	252	Active	Brothers	43 48 43.15564	120 36 12.04283	1397.8967
P394	253	Active	Baker City	44 50 5.55418	117 47 58.64050	1011.227
P395	256	Active	Rose_Lodge	45 01 20.18874	123 51 27.03996	53.385
P408	257	Active	Whakiakum	46 12 1.78997	123 22 35.65385	35.639
P409	259	Active	Vernonia	45 51 04.64031	123 14 22.06063	177.65
P411	260	Active	Forest Grove	45 32 16.75766	123 09 26.64360	83.772
P412	261	Active	Mulino	45 13 15.96461	122 35 20.70693	53.585
P414	262	Active	Ridgefield_WA	45 50 5.50994	122 41 34.15602	64.216
P427	266	Active	Boring_Jct_26_212	45 25 48.62666	122 20 26.21384	149.5857
P446	268	Active	Kelso Air	46 6 56.36766	122 53 33.97814	-16.086
P447	269	Active	Morrow Co. Airport Heppner	45 27 10.13913	119 41 24.39168	471.696
P450	270	Active	Patterson	45 57 11.98839	119 32 39.04287	164.126
P672	672	Active	Tule Lake CA	41 42 41.63652	121 30 24.91997	1435.5707
P733	271	Active	Gold Beach	42 26 31.23977	124 24 47.81434	184.95
P734	272	Active	Brookings	42 04 35.86879	124 17 35.66756	113.7149
P736	273	Active	Chiloquin	42 34 47.37208	121 52 48.40325	1260.014
P784	784	Active	Montague	41 49 50.92061	122 25 13.58463	802.7014
PCSO	274	Active	Dallas_Polk_County	44 55 08.66524	123 19 40.16588	95.698
PDTN	275	Active	Pendleton_City_of new Mount	45 39 57.39084	118 45 24.88577	394.938
PDXA	276	Active	Portland_Airport	45 35 48.72619	122 36 33.18109	-4.637
PKDL	277	Active	Parkdale	45 3105.87504	121 33 49.18922	512.151
PLNA	284	Active	Paulina	44 07 55.42017	119 58 0.38216	1110.688
PNDL	278	Active	Pendleton_City_of	45 40 10.42890	118 47 29.47573	315.928
PNVL	280	Active	Prineville	44 18 46.50499	120 50 47.41074	873.72
PSPT	283	Active	Prospect	42 45 17.42486	122 29 22.16427	773.71
REDM	287	Active	Redmond_Airport	44 15 35.14575	121 08 52.31525	920.349
REED	285	Active	Reedsport	43 42 03.60894	124 06 28.01644	-13.7805
SEAS	288	Active	Seaside	45 59 03.19507	123 55 20.66371	-11.705
SKMA	289	Active	Stevenson_WA	45 41 39.26333	121 53 02.19784	43.473
SPRA	290	Active	Spray ODOT	44 49 36.07364	119 46 34.64100	567.261
STAY	231	Active	Stayton_Marion_County	44 49 50.53107	122 49 15.03566	111.265
STHM	291	Active	Sweet_Home_Linn_County	44 23 46.23669	122 44 03.16285	145.048
SUHS	292	Active	Myrtle Creek	42 59 12.85599	123 19 43.71641	180.723
TDLS	293	Active	The_Dalles	45 36 27.74343	121 07 46.16526	26.938

TILL	294	Active	Tillamook	45 27 18.44924	123 49 50.70491	-4.254
UKIH	296	Active	Ukiah	45 07 58.05514	118 56 11.63806	1009.495
VCWA	297	Active	Vancouver_WA	45 37 03.44151	122 30 57.80084	77.402
WALA	298	Active	Walla_Walla_WA	46 5 29.41878	118 15 29.25626	369.253
WAMC	299	Active	Wamic_Wasco_County	45 13 25.77087	121 16 25.01473	528.5484
WDBN	233	Active	Woodburn_Marion_County	45 10 15.09494	122 52 12.13303	40.201
WMSG	300	Active	North Warm Springs JCT	45 7 52.53592	121 35 50.13239	1048.4518
YONC	301	Active	Yoncalla	43 38 02.78458	123 17 53.82524	87.299
FAIR		Planned	Fairy Creek USFS	43 17 52.08	122 41 06.47	557
JNTA		Planned	Juntura	43 27 37	117 50 06	
LUCA		Planned	Agness, OR	42 33 7.9393	124 03 34.1355	53.19
MTCL		Planned	Mitchell	44 34 05	120 09 25	
ONTO		Planned	Ontario	43 58 56	117 14 15	
P392		Planned	Burns	43 26 48.31523	119 0 3.54636	1316.04186
P405		Planned	Tri Pt	45 37 45.56048	123 38 37.46851	956.029
PLNA		Planned	Paulina	44 07 55	119 58 01	
ASTN		Planned.	Austin_Jct_Bates	44 34 23	118 29 58	
FSSL		Planned.	Fossil	44 59 57	120 12 54	
GLSB		Planned.	Glass_Butte	43 33 26	120 04 28	
IRSD		Planned.	Ironside	44 19 25	117 56 35	
RGNS		Planned.	Riggins_ID	44 14 52	116 58 12	
SLVS		Planned.	Silvies	44 01 54	118 56 07	
CATH	207	Redundant	Cathlamet_WA	46 11 50.27349	123 22 02.11631	56.654
CROK3x	211	Redundant	Castle_Rock_WA	46 16 28.54283	122 54 45.09568	1.465
GOLY3x	218	Redundant	Goldendale_WA	45 49 43.29655	120 48 8.78800	500.622
P380		Redundant	Klamath_Falls_OIT	42 15 34.7973	121 46 46.85494	1391.284
PDEA		Redundant	Portland_DEA	45 30 24	122 40 23	
PTSN		Redundant	Paterson	45 56 20.95443	119 36 35.05915	119.038
RICH	286	Redundant	Richland_WA	46 16 38.53852	119 16 39.52245	99.986