

Coördinaten GNSS-referentiestationen 06-GPS
 Gecertificeerd door RD/NAP (Kadaster en RWS DID)
 Aangesloten op het AGRS.NL
 Datum ingang: juni 2019

06-GPS
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ETRS89 <-> RD/NAP TRANSFORMATIE MET RD/NAPTRANS2008

stationsnaam	afkorting	nummer	beheerder	ETRS89, geocentrisch XYZ, verzeerd punt			ETRS89, geocentrisch XYZ, ARP		
				X (m)	Y (m)	Z (m)	X (m)	Y (m)	Z (m)
Leer	0645	0645	SAPOS LGN	3793994.4456	495758.0085	5085958.2025	3793994.4801	495758.0130	5085958.2489
Emden	0647	0647	SAPOS LGN	3787983.7590	466951.2307	5093100.7031	3787983.7916	466951.2346	5093100.7472
Nordhorn	0658	0658	SAPOS LGN	3866977.5297	480107.2455	5032589.0015	3866977.5925	480107.2533	5032589.0839
Meppen	0683	0683	SAPOS LGN	3840419.4992	493022.5045	5051524.6635	3840419.5304	493022.5084	5051524.7050
Borkum	0687	0687	SAPOS LGN	3770133.5784	446053.9834	5108092.0716	3770133.6109	446053.9873	5108092.1158
Fino	0702	0702	SAPOS LGN	3731116.7655	430896.7729	5137763.7410	3731116.7959	430896.7764	5137763.7830
Turnhout	0904	0904	FLEPOS	3980076.7715	344648.7041	4955439.4247	3980076.7715	344648.7040	4955439.4247
Viersen	2579	2579	SAPOS LVerma NRW	3974819.1441	445301.5744	4951691.7941	3974819.1796	445301.5784	4951691.8385
Vreden	2590	2590	SAPOS LVerma NRW	3902867.3285	463565.1831	5006557.5860	3902867.3639	463565.1873	5006557.6317
Aachen	2591	2591	SAPOS LVerma NRW	4019428.0421	428730.8227	4917460.0845	4019428.0774	428730.8264	4917460.1278
Selkant	2604	2604	SAPOS LVerma NRW	4000969.5216	415500.0704	4933305.0418	4000969.5580	415500.0741	4933305.0868
Kleve	2623	2623	SAPOS LVerma NRW	3932590.7221	423199.8631	4986981.7185	3932590.7572	423199.8669	4986981.7632
Almere	alml	0933	06-GPS	3886167.8191	355199.1272	5028209.8082	3886167.8191	355199.1273	5028209.8082
Alphen ad Rijn	alph	0939	06-GPS	3910708.7639	316409.3704	5011821.1778	3910708.7987	316409.3731	5011821.2229
Amsterdam	ams2	0944	06-GPS	3886680.4868	335087.3394	5029151.2337	3886680.5458	335087.3445	5029151.3105
Ballum	ball	1011	06-GPS	3788609.2544	377331.1423	5100009.3119	3788609.3142	377331.1482	5100009.3931
Beilen	beil	1009	06-GPS	3834194.8278	437875.2053	5061236.9640	3834194.8872	437875.2121	5061237.0429
Bligh	blig	0910	FLEPOS	3956938.9954	194731.0119	4981890.3033	3956938.9954	194731.0118	4981890.3033
Den Burg	denb	0942	06-GPS	3828733.4431	321696.4088	5073968.2264	3828733.5317	321696.4162	5073968.3447
Deventer	deve	1001	06-GPS	3891366.8906	421912.4665	5019057.4283	3891366.9807	421912.4763	5019057.5453
Dordrecht	dord	0931	06-GPS	3938452.9411	321203.4481	4989896.6619	3938453.0323	321203.4556	4989896.7782
Drachten	drac	1015	06-GPS	3815431.6614	406592.9647	5077867.5858	3815431.7491	406592.9740	5077867.7034
Ede	ede	0932	06-GPS	3911792.9461	388559.3992	5005967.7894	3911792.9461	388559.3993	5005967.7894
Eijsden	eijs	1013	06-GPS	4020215.9685	402129.0686	4918845.2800	4020216.0609	402129.0778	4918845.3940
G17D-A	g17d	0703	06-GPS	3735908.1556	355658.5824	5140052.8974	3735908.1556	355658.5823	5140052.8973
Geldrop	geld	1002	06-GPS	3967617.4782	385891.5001	4962328.9723	3967617.5700	385891.5090	4962329.0881
Gent	gent	0906	FLEPOS	4012884.9480	260145.3557	4934206.8100	4012884.9480	260145.3558	4934206.8099
Geofort	geof	0941	06-GPS	3930986.3709	352582.8767	4993628.9527	3930986.4612	352582.8849	4993629.0684
Harderwijk	hard	0947	06-GPS	3886772.3968	384254.0610	5025591.1409	3886772.4867	384254.0699	5025591.2582
Heerhugowaard	heer	0935	06-GPS	3862716.8552	326030.3439	5048047.5163	3862716.9441	326030.3513	5048047.6332
Heesch	hees	0937	06-GPS	3940442.8474	380300.5819	4984198.4240	3940442.9380	380300.5906	4984198.5395
Houten	hout	1003	06-GPS	3916120.2091	354390.0416	5005091.6432	3916120.2998	354390.0498	5005091.7598
Lillo	lill	0907	FLEPOS	3984155.8915	300659.6643	4955008.8117	3984155.8914	300659.6643	4955008.8117
Lottum	lott	0948	06-GPS	3959776.4413	424607.1690	4965414.2234	3959776.5325	424607.1787	4965414.3383
Makkum	makk	0934	06-GPS	3824337.7219	361336.3583	5074614.7108	3824337.8098	361336.3666	5074614.8283
Nieuwleusen	nieu	0938	06-GPS	3859986.8933	424911.6802	5042814.6612	3859986.9827	424911.6900	5042814.7787
Gemini	ohv1	0705	06-GPS	3734517.2853	385141.9434	5138943.2317	3734517.2854	385141.9434	5138943.2316
Oostburg	oosb	0946	06-GPS	3985654.6005	243714.6455	4956900.0824	3985654.6929	243714.6512	4956900.1980
Oostende	oose	0908	FLEPOS	3996538.1019	205216.3964	4949931.4422	3996538.1019	205216.3963	4949931.4422
Oostvoorne	oost	1006	06-GPS	3932136.4932	280971.2689	4997247.2784	3932136.5534	280971.2732	4997247.3556
Roosendaal	roos	1007	06-GPS	3964512.2769	310410.0949	4970033.3061	3964512.3680	310410.1020	4970033.4213
Rotterdam	rott	0945	06-GPS	3928346.7108	303003.7071	4998924.7778	3928346.8017	303003.7140	4998924.8944
Schiermonnikoog	schl	0920	06-GPS	3782169.6985	408355.1534	5102378.0420	3782169.7861	408355.1628	5102378.1609
Terschelling	ters	0953	06-GPS	3798300.6069	347142.9289	5095001.8213	3798300.6070	347142.9289	5095001.8213
Urk	urk2	0943	06-GPS	3858015.9317	378443.2800	5047978.2259	3858016.0211	378443.2888	5047978.3436
Veendam	veen	0936	06-GPS	3809932.8817	458691.8936	5077571.3638	3809932.9693	458691.9042	5077571.4813
Wijk aan Zee	wijk	1014	06-GPS	3878086.3736	312169.6176	5037198.9546	3878086.4634	312169.6247	5037199.0720
Zeebrugge	zeeb	0909	FLEPOS	3986703.8488	223465.2354	4957020.6731	3986703.8487	223465.2354	4957020.6731
Zierikzee	zier	0950	06-GPS	3957165.9114	271408.1224	4978101.9724	3957166.0025	271408.1286	4978102.0876

Coördinaten GNSS-referentiastations 06-GPS
Gecertificeerd door RDNAP (Kadaster en RWS DID)
Aangesloten op het AGRS.NL
Datum ingang: juni 2019

ETRS89 <-> RD/NAP TRANSFORMATIE MET RDNAPTRANS2008

stationsnaam	afkorting	nummer	beheerder	ETRS89 dd.ddddddd verzekeerd punt			ETRS89 dd mm ss.sssss verzekeerd punt			Ant. hoogtes AH(m)	Ant. Ref. Punt H(ell) ARP (m)				
				LAT (N)	LONG (E)	H-ellips. (m)	LAT (N)	LONG (E)	H-ellips. (m)						
Leer	0645	0645	SAPOS LGN	53.2299835972	7.4446108917	65.6665	53	13	47.94095	7	26	40.59921	65.6665	0.058	65.7245
Emden	0647	0647	SAPOS LGN	53.3374355500	7.0274953472	56.9424	53	20	14.76798	7	1	38.98325	56.9424	0.055	56.9974
Nordhorn	0658	0658	SAPOS LGN	52.4359872194	7.0773799861	80.5397	52	26	9.55399	7	4	38.56795	80.5397	0.104	80.6437
Meppen	0683	0683	SAPOS LGN	52.7158920500	7.3154618528	89.2378	52	42	57.21138	7	18	55.66267	89.2378	0.052	89.2898
Borkum	0687	0687	SAPOS LGN	53.5636543444	6.7474411806	54.3960	53	33	49.15564	6	44	50.78825	54.3960	0.055	54.4510
Fino	0702	0702	SAPOS LGN	54.0148287444	6.5877532833	61.7100	54	0	53.38348	6	35	15.91182	61.7100	0.052	61.7620
Turnhout	0904	0904	FLEPOS	51.3128757972	4.9490955083	81.3444	51	18	46.35287	4	56	56.74383	81.3444	0.000	81.3444
Viersen	2579	2579	SAPOS LVerma NRW	51.2587469139	6.3922296972	105.4706	51	15	31.48889	6	23	32.02691	105.4706	0.057	105.5276
Vreden	2590	2590	SAPOS LVerma NRW	52.0537707278	6.7736030722	92.5441	52	3	13.57462	6	46	24.97106	92.5441	0.058	92.6021
Aachen	2591	2591	SAPOS LVerma NRW	50.7679193000	6.0884130250	263.2212	50	46	4.50948	6	5	18.28689	263.2212	0.056	263.2772
Selkant	2604	2604	SAPOS LVerma NRW	50.9954606500	5.9289048583	100.6834	50	59	43.65834	5	55	44.05749	100.6834	0.058	100.7414
Kleve	2623	2623	SAPOS LVerma NRW	51.7684344222	6.1421622056	104.3727	51	46	6.36392	6	8	31.78394	104.3727	0.057	104.4297
Almere	alm1	0933	06-GPS	52.3713968222	5.2223736861	87.8498	52	22	17.02856	5	13	20.54527	87.8498	0.000	87.8498
Alphen ad Rijn	alph	0939	06-GPS	52.1311443806	4.6256366528	59.6809	52	7	52.11977	4	37	32.29195	59.6809	0.057	59.7379
Amsterdam	ams2	0944	06-GPS	52.3855898889	4.9275295694	59.2234	52	23	8.12360	4	55	39.10645	59.2234	0.097	59.3204
Ballum	ball	1011	06-GPS	53.44115523278	5.6876861139	54.5383	53	26	29.58838	5	41	15.67001	54.5383	0.101	54.6393
Beilen	beil	1009	06-GPS	52.8604162583	6.5151037667	71.3763	52	51	37.49853	6	30	54.37356	71.3763	0.099	71.4753
Bligh	blig	0910	FLEPOS	51.6947101944	2.8173977500	90.3493	51	41	40.95670	2	49	2.63190	90.3493	0.000	90.3493
Den Burg	denb	0942	06-GPS	53.0504928333	4.8028037361	56.2990	53	3	1.77420	4	48	10.09345	56.2990	0.148	56.4470
Deventer	deve	1001	06-GPS	52.2371533278	6.1879904944	64.6577	52	14	13.75198	6	11	16.76578	64.6577	0.148	64.8057
Dordrecht	dord	0931	06-GPS	51.8112413833	4.6624807806	64.7372	51	48	40.46898	4	39	44.93081	64.7372	0.148	64.8852
Drachten	drac	1015	06-GPS	53.1088207722	6.0827906722	56.3526	53	6	31.75478	6	4	58.04642	56.3526	0.147	56.4996
Ede	ede	0932	06-GPS	52.0452496333	5.6725971194	84.0364	52	2	42.89868	5	40	21.34963	84.0364	0.000	84.0364
Eijsden	eijs	1013	06-GPS	50.7893779722	5.7121096472	102.7927	50	47	21.76070	5	42	43.59473	102.7927	0.147	102.9397
G17D-A	g17d	0703	06-GPS	54.0495695750	5.4381708611	83.9650	54	2	58.45047	5	26	17.41510	83.9650	0.000	83.9650
Geldrop	geld	1002	06-GPS	51.4121434806	5.5551299167	73.2319	51	24	43.71653	5	33	18.46770	73.2319	0.148	73.3799
Gent	gent	0906	FLEPOS	51.0087913833	3.7091527306	60.1561	51	0	31.64898	3	42	32.94983	60.1561	0.000	60.1561
Geofort	geof	0941	06-GPS	51.8656216278	5.1253288556	56.7461	51	51	56.23786	5	7	31.18388	56.7461	0.147	56.8931
Harderwijk	hard	0947	06-GPS	52.3331610278	5.6460284000	62.7481	52	19	59.37970	5	38	45.70224	62.7481	0.148	62.8961
Heerhugowaard	heer	0935	06-GPS	52.6646823972	4.8245813083	60.2784	52	39	52.85663	4	49	28.49271	60.2784	0.147	60.4254
Heesch	hees	0937	06-GPS	51.7285551389	5.5126646722	58.2709	51	43	42.79850	5	30	45.59282	58.2709	0.147	58.4179
Houten	hout	1003	06-GPS	52.0327578389	5.1709076278	57.2094	52	1	57.92822	5	10	15.26746	57.2094	0.148	57.3574
Lillo	lill	0907	FLEPOS	51.3068559722	4.3155792833	66.0294	51	18	24.68150	4	18	56.08542	66.0294	0.000	66.0294
Lottum	lott	0948	06-GPS	51.4565761861	6.1204446528	77.6141	51	27	23.67427	6	7	13.60075	77.6141	0.147	77.7611
Makkum	makk	0934	06-GPS	53.0601207056	5.3974757417	59.4072	53	3	36.43454	5	23	50.91267	59.4072	0.147	59.5542
Nieuwleusen	nieu	0938	06-GPS	52.5872040972	6.2818907139	61.1838	52	35	13.93475	6	16	54.80657	61.1838	0.148	61.3318
Gemini	ohv1	0705	06-GPS	54.0326230750	5.8881155972	81.4445	54	1	57.44307	5	53	17.21615	81.4445	0.000	81.4445
Oostburg	oosb	0946	06-GPS	51.3342168889	3.4991631278	51.7492	51	20	3.18080	3	29	56.98726	51.7492	0.148	51.8972
Oostende	oose	0908	FLEPOS	51.2339936806	2.9394729611	58.6907	51	14	2.37725	2	56	22.10266	58.6907	0.000	58.6907
Oostvoorne	oost	1006	06-GPS	51.9182543500	4.0871299444	62.0343	51	55	5.71566	4	5	13.66780	62.0343	0.098	62.1323
Roosendaal	roos	1007	06-GPS	51.5234359333	4.4769637472	61.4399	51	31	24.36936	4	28	37.06949	61.4399	0.147	61.5869
Rotterdam	rott	0945	06-GPS	51.9427417194	4.4106409528	58.7843	51	56	33.87019	4	24	38.30743	58.7843	0.148	58.9323
Schiermonnikoog	sch1	0920	06-GPS	53.4773441500	6.1622678944	50.8038	53	28	38.43894	6	9	44.16442	50.8038	0.148	50.9518
Terschelling	ters	0953	06-GPS	53.3658353250	5.2219988194	74.9826	53	21	57.00717	5	13	19.19575	74.9826	0.000	74.9826
Urk	urk2	0943	06-GPS	52.6637251333	5.6023757583	54.3868	52	39	49.41048	5	36	8.55273	54.3868	0.148	54.5348
Veendam	veen	0936	06-GPS	53.1042730528	6.8650091722	65.8706	53	6	15.38299	6	51	54.03302	65.8706	0.147	66.0176
Wijk aan Zee	wijk	1014	06-GPS	52.5042497083	4.6021460444	58.6137	52	30	15.29895	4	36	7.72576	58.6137	0.148	58.7617
Zeebrugge	zeeb	0909	FLEPOS	51.3358564833	3.2082219667	60.2334	51	20	9.08334	3	12	29.59908	60.2334	0.000	60.2334
Zierikzee	zier	0950	06-GPS	51.6402112917	3.9235718389	55.3023	51	38	24.76065	3	55	24.85862	55.3023	0.147	55.4493

Coördinaten GNSS-referentiestationen 06-GPS
Gecertificeerd door RD/NAP (Kadaster en RWS DID)
Aangesloten op het AGRS.NL
Datum ingang: juni 2019

ETRS89 <-> RD/NAP TRANSFORMATIE MET RD/NAPTRANS2008

stationsnaam	afkorting	nummer	beheerder	x-RD (m)	RD-coördinaten y-RD (m)	NAP-hoogtes H-NAP (m)	Ant. hoogtes AH(m)	Ant. Ref. Punt H-NAP ARP (m)
Leer	0645	0645	SAPOS LGN	292379.7800	584560.5910	24.5780	0.058	24.6360
Emden	0647	0647	SAPOS LGN	264259.0302	595802.0413	16.4550	0.055	16.5100
Nordhorn	0658	0658	SAPOS LGN	269929.8371	495585.8688	37.4555	0.104	37.5595
Meppen	0683	0683	SAPOS LGN	285286.4706	527127.6053	47.0925	0.052	47.1445
Borkum	0687	0687	SAPOS LGN	245130.1232	620588.0013	14.2204	0.055	14.2754
Fino	0702	0702	SAPOS LGN	233709.4887	670616.3385	22.0561	0.052	22.1081
Turnhout	0904	0904	FLEPOS	124454.5777	369382.4658	36.7782	0.000	36.7782
Viersen	2579	2579	SAPOS LVermA NRW	225154.1746	363752.1602	60.3056	0.057	60.3626
Vreden	2590	2590	SAPOS LVermA NRW	250088.6195	452626.2546	48.6807	0.058	48.7387
Aachen	2591	2591	SAPOS LVermA NRW	204471.1772	308901.5411	216.8592	0.056	216.9152
Selkant	2604	2604	SAPOS LVermA NRW	193030.5898	334119.4039	55.4333	0.058	55.4913
Kleve	2623	2623	SAPOS LVermA NRW	207111.5846	420243.2433	60.3847	0.057	60.4417
Almere	alm1	0933	06-GPS	143774.7148	487070.4197	44.9602	0.000	44.9602
Alphen ad Rijn	alph	0939	06-GPS	102855.4392	460600.1270	16.3165	0.057	16.3735
Amsterdam	ams2	0944	06-GPS	123705.2867	488736.0865	16.2894	0.097	16.3864
Ballum	ball	1011	06-GPS	174967.3871	606186.3615	13.7180	0.101	13.8190
Beilen	beil	1009	06-GPS	230961.8114	542064.7316	29.6548	0.099	29.7538
Bligh	blig	0910	FLEPOS	-22648.5278	414906.8917	46.5064	0.000	46.5064
Den Burg	denb	0942	06-GPS	115812.1041	562781.8301	14.2900	0.148	14.4380
Deventer	deve	1001	06-GPS	209699.6947	472423.4625	21.3655	0.148	21.5135
Dordrecht	dord	0931	06-GPS	105023.0893	424984.0026	21.0540	0.148	21.2020
Drachten	drac	1015	06-GPS	201580.5882	569339.0697	15.0477	0.147	15.1947
Ede	ede	0932	06-GPS	174578.7589	450808.6109	40.6094	0.000	40.6094
Eijsden	eijs	1013	06-GPS	177912.3933	311102.7758	56.8862	0.147	57.0332
G17D-A	g17d	0703	06-GPS	158338.3839	673825.4612	44.2766	0.000	44.2766
Geldrop	geld	1002	06-GPS	166682.9932	380347.9509	29.2334	0.148	29.3814
Gent	gent	0906	FLEPOS	37232.9880	336812.5266	15.5238	0.000	15.5238
Geofort	geof	0941	06-GPS	136962.8103	430817.6416	13.2405	0.147	13.3875
Harderwijk	hard	0947	06-GPS	172641.6326	482834.8768	19.7664	0.148	19.9144
Heerhugowaard	heer	0935	06-GPS	116938.0116	519839.0472	17.7682	0.147	17.9152
Heesch	hees	0937	06-GPS	163667.9276	415543.4284	14.6292	0.147	14.7762
Houten	hout	1003	06-GPS	140157.4597	449402.3238	13.8214	0.148	13.9694
Lillo	lill	0907	FLEPOS	80276.3667	369169.6270	21.4863	0.000	21.4863
Lottum	lott	0948	06-GPS	205962.0790	385534.1274	33.1317	0.147	33.2787
Makkum	makk	0934	06-GPS	155688.4469	563694.6971	17.6766	0.147	17.8236
Nieuwleusen	nieu	0938	06-GPS	215632.3671	511445.0555	18.6603	0.148	18.8083
Gemini	ohv1	0705	06-GPS	187827.1832	672052.5190	41.7464	0.000	41.7464
Oostburg	oosb	0946	06-GPS	23433.5256	373367.1618	7.3144	0.148	7.4624
Oostende	oose	0908	FLEPOS	-15932.8417	363380.5424	14.1043	0.000	14.1043
Oostvoorne	oost	1006	06-GPS	65561.9874	437440.7512	18.3981	0.098	18.4961
Roosendaal	roos	1007	06-GPS	91829.9848	393110.2900	17.2441	0.147	17.3911
Rotterdam	rott	0945	06-GPS	87853.3260	439816.3595	15.2275	0.148	15.3755
Schiermonnikoog	schi	0920	06-GPS	206461.0989	610405.7085	10.3567	0.148	10.5047
Terschelling	ters	0953	06-GPS	144002.0018	597730.0539	33.5861	0.000	33.5861
Urk	urk2	0943	06-GPS	169556.7923	519606.2796	11.9668	0.148	12.1148
Veendam	veen	0936	06-GPS	253969.3437	569622.7097	24.9033	0.147	25.0503
Wijk aan Zee	wijk	1014	06-GPS	101696.6748	502128.6878	15.7858	0.148	15.9338
Zeebrugge	zeeb	0909	FLEPOS	3168.8211	374114.5969	15.7426	0.000	15.7426
Zierikzee	zier	0950	06-GPS	53688.601	406725.4847	11.1707	0.147	11.3177