

Coördinaten GNSS-referentiestations 06-GPS
 Gecertificeerd door RD/NAP (Kadaster en RWS CIV)
 Aangesloten op het AGRS.NL
 Datum ingang: augustus 2022

06-GPS
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ETRS89 <-> RD/NAP TRANSFORMATIE MET RD/NAPTRANS2018

stationsnaam	afkorting	nummer	beheerder	ETRS89, geocentrisch XYZ, verkerd punt			ETRS89, geocentrisch XYZ, ARP		
				X (m)	Y (m)	Z (m)	X (m)	Y (m)	Z (m)
Leer	0645	0645	SAPOS LGNL	3793994.4457	495758.0063	5085958.2027	3793994.4801	495758.0108	5085958.2492
Emden	0647	0647	SAPOS LGNL	3787983.7587	466951.2282	5093100.6997	3787983.7913	466951.2322	5093100.7438
Nordhorn	0658	0658	SAPOS LGNL	3866977.5281	480107.2455	5032589.0009	3866977.5910	480107.2533	5032589.0833
Meppen	0683	0683	SAPOS LGNL	3840419.4981	493022.5055	5051524.6618	3840419.5293	493022.5095	5051524.7031
Borkum	0687	0687	SAPOS LGNL	3770133.5837	446053.9815	5108092.0711	3770133.6162	446053.9853	5108092.1154
Fino	0702	0702	SAPOS LGNL	3731116.7666	430896.7745	5137763.7407	3731116.7970	430896.7780	5137763.7828
Viersen	2579	2579	SAPOS NRW	3974819.1276	445301.5641	4951691.7787	3974819.1631	445301.5681	4951691.8232
Vreden	2590	2590	SAPOS NRW	3902867.3204	463565.1837	5006557.5819	3902867.3558	463565.1879	5006557.6277
Aachen	2591	2591	SAPOS NRW	4019428.0489	428730.8258	4917460.0863	4019428.0841	428730.8295	4917460.1297
Selfkant	2604	2604	SAPOS NRW	4000969.5208	415500.0699	4933305.0453	4000969.5571	415500.0737	4933305.0903
Kleve	2623	2623	SAPOS NRW	3932590.7278	423199.8602	4986981.7203	3932590.7628	423199.8640	4986981.7650
Almere	alml	0933	06-GPS	3886167.8164	355199.1257	5028209.8049	3886167.8164	355199.1257	5028209.8049
Alphen ad Rijn	alph	0939	06-GPS	3910708.7640	316409.3687	5011821.1778	3910708.7988	316409.3715	5011821.2228
Amsterdam	ams2	0944	06-GPS	3886680.5223	335087.3051	5029151.2039	3886680.5813	335087.3102	5029151.2807
Antwerpen	antw	antw	FLEPOS	3992388.9882	310536.0104	4947812.6783	3992388.9882	310536.0104	4947812.6783
Ballum	ball	1011	06-GPS	3788609.2549	377331.1418	5100009.3125	3788609.3147	377331.1477	5100009.3936
Beilen	beil	1009	06-GPS	3834194.8266	437875.2050	5061236.9650	3834194.8860	437875.2118	5061237.0439
Bligh	blig	0910	FLEPOS	3956938.9946	194731.0128	4981890.3019	3956938.9946	194731.0128	4981890.3019
Den Burg	denb	0942	06-GPS	3828733.4413	321696.4087	5073968.2270	3828733.5299	321696.4161	5073968.3453
Deventer	deve	1001	06-GPS	3891366.8897	421912.4647	5019057.4260	3891366.9798	421912.4744	5019057.5430
Dordrecht	dord	0931	06-GPS	3938452.9393	321203.4458	4989896.6594	3938453.0305	321203.4533	4989896.7757
Drachten	drac	1015	06-GPS	3815431.6586	406592.9639	5077867.5862	3815431.7464	406592.9732	5077867.7037
Ede	ede_	0932	06-GPS	3911792.9472	388559.3988	5005967.7909	3911792.9472	388559.3988	5005967.7909
Eijsden	eijs	1013	06-GPS	4020215.9684	402129.0686	4918845.2828	4020216.0609	402129.0779	4918845.3967
G17D-A	g17d	0703	06-GPS	3735908.1873	355658.5836	5140052.9185	3735908.1873	355658.5836	5140052.9185
Geldrop	geld	1002	06-GPS	3967617.4761	385891.4976	4962328.9704	3967617.5680	385891.5065	4962329.0861
Gent	gent	0906	FLEPOS	4012884.9454	260145.3550	4934206.8078	4012884.9454	260145.3550	4934206.8078
Geofort	geof	0941	06-GPS	3930986.3690	352582.8748	4993628.9531	3930986.4594	352582.8830	4993629.0688
Harderwijk	hard	0947	06-GPS	3886772.3932	384254.0631	5025591.1396	3886772.4832	384254.0720	5025591.2567
Heerhugowaard	heer	0935	06-GPS	3862716.8572	326030.3402	5048047.5139	3862716.9460	326030.3477	5048047.6308
Heesch	hees	0937	06-GPS	3940485.2501	380294.9907	4984166.4425	3940485.2501	380294.9907	4984166.4425
Houten	hout	1003	06-GPS	3916120.2078	354390.0409	5005091.6459	3916120.2985	354390.0491	5005091.7626
Lillo	lill	0907	FLEPOS	3984155.8876	300659.6619	4955008.8085	3984155.8876	300659.6619	4955008.8085
Lottum	lott	0948	06-GPS	3959776.4446	424607.1681	4965414.2244	3959776.5357	424607.1779	4965414.3393
Makkum	makk	0934	06-GPS	3824337.7220	361336.3578	5074614.7119	3824337.8099	361336.3661	5074614.8294
Nieuwleusen	nieu	0938	06-GPS	3859986.8928	424911.6796	5042814.6604	3859986.9822	424911.6894	5042814.7780
Gemini	ohv1	0705	06-GPS	3734517.3069	385141.9419	5138943.2569	3734517.3069	385141.9419	5138943.2569
Oostburg	oosb	0946	06-GPS	3985654.5990	243714.6429	4956900.0813	3985654.6913	243714.6485	4956900.1969
Oostende	oose	0908	FLEPOS	3996595.8382	204501.4024	4949923.9693	3996595.8382	204501.4024	4949923.9693
Oostvoorne	oost	1006	06-GPS	3932136.4915	280971.2683	4997247.2798	3932136.5518	280971.2726	4997247.3569
Roosendaal	roos	1007	06-GPS	3964512.2742	310410.0930	4970033.3056	3964512.3654	310410.1001	4970033.4207
Rotterdam	rott	0945	06-GPS	3928346.7069	303003.7058	4998924.7762	3928346.7978	303003.7128	4998924.8927
Schiermonnikoog	schi	0920	06-GPS	3782169.7029	408355.1543	5102378.0455	3782169.7905	408355.1637	5102378.1645
Terschelling	terj	0953	06-GPS	3798300.6034	347142.9252	5095001.8151	3798300.6034	347142.9252	5095001.8151
Turnhout	turn	0904	FLEPOS	3980076.7728	344648.7034	4955439.4208	3980076.7728	344648.7034	4955439.4208
Urk	urk2	0943	06-GPS	3858015.9338	378443.2795	5047978.2286	3858016.0231	378443.2882	5047978.3462
Veendam	veen	0936	06-GPS	3809932.8608	458691.8638	5077571.3567	3809932.9485	458691.8743	5077571.4743
Wijk aan Zee	wijk	1014	06-GPS	3878086.3721	312169.6174	5037198.9557	3878086.4619	312169.6247	5037199.0732
Zeebrugge	zeeb	0909	FLEPOS	3986703.8486	223465.2359	4957020.6728	3986703.8486	223465.2359	4957020.6728
Zierikzee	zier	0950	06-GPS	3957165.9089	271408.1211	4978101.9726	3957165.9999	271408.1273	4978102.0878

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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 LGNL	53.2299836000	7.4446108583	65.6666	53	13	47.94096	7	26	40.59909	65.6666	0.058	65.7246
Emden	0647	0647	SAPOS LGNL	53.3374355361	7.0274953111	56.9393	53	20	14.76793	7	1	38.98312	56.9393	0.055	56.9943
Nordhorn	0658	0658	SAPOS LGNL	52.4359872278	7.0773799889	80.5383	52	26	9.55402	7	4	38.56796	80.5383	0.104	80.6423
Meppen	0683	0683	SAPOS LGNL	52.7158920472	7.3154618694	89.2358	52	42	57.21137	7	18	55.66273	89.2358	0.052	89.2878
Borkum	0687	0687	SAPOS LGNL	53.5636543056	6.7474411417	54.3986	53	33	49.15550	6	44	50.78811	54.3986	0.055	54.4536
Fino	0702	0702	SAPOS LGNL	54.0148287333	6.5877533056	61.7105	54	0	53.38344	6	35	15.91190	61.7105	0.052	61.7625
Viersen	2579	2579	SAPOS NRW	51.2587469500	6.3922295778	105.4476	51	15	31.48902	6	23	32.02648	105.4476	0.057	105.5046
Vreden	2590	2590	SAPOS NRW	52.0537707611	6.7736030944	92.5360	52	3	13.57474	6	46	24.97114	92.5360	0.058	92.5940
Aachen	2591	2591	SAPOS NRW	50.7679192611	6.0884130583	263.2271	50	46	4.50934	6	5	18.28701	263.2271	0.056	263.2831
Selfkant	2604	2604	SAPOS NRW	50.9954606750	5.9289048528	100.6856	50	59	43.65843	5	55	44.05747	100.6856	0.058	100.7436
Kleve	2623	2623	SAPOS NRW	51.7684343944	6.1421621556	104.3774	51	46	6.36382	6	8	31.78376	104.3774	0.057	104.4344
Almere	alm1	0933	06-GPS	52.3719968250	5.2223736667	87.8455	52	22	17.02857	5	13	20.54520	87.8455	0.000	87.8455
Alphen ad Rijn	alph	0939	06-GPS	52.1311443806	4.6256366278	59.6808	52	7	52.11977	4	37	32.29186	59.6808	0.057	59.7378
Amsterdam	ams2	0944	06-GPS	52.3856894944	4.9275290222	59.2196	52	23	8.12218	4	55	39.10448	59.2196	0.097	59.3166
Antwerpen	antw	antw	FLEPOS	51.2035360139	4.4476254556	63.3504	51	12	12.72965	4	26	51.45164	63.3504	0.000	63.3504
Ballum	ball	1011	06-GPS	53.4415523278	5.6876861056	54.5390	53	26	29.58838	5	41	15.66998	54.5390	0.101	54.6400
Beilen	beil	1009	06-GPS	52.8604162722	6.5151037639	71.3763	52	51	37.49858	6	30	54.37355	71.3763	0.099	71.4753
Bligh	blig	0910	FLEPOS	51.6947101917	2.8173977639	90.3477	51	41	40.95669	2	49	2.63195	90.3477	0.000	90.3477
Den Burg	denb	0942	06-GPS	53.0504928500	4.8028037361	56.2984	53	3	1.77426	4	48	10.09345	56.2984	0.148	56.4464
Deventer	deve	1001	06-GPS	52.2371533222	6.1879904694	64.6552	52	14	13.75196	6	11	16.76569	64.6552	0.148	64.8032
Dordrecht	dord	0931	06-GPS	51.8112413833	4.6624807500	64.7340	51	48	40.46898	4	39	44.93070	64.7340	0.148	64.8820
Drachten	drac	1015	06-GPS	53.1088207944	6.0827906639	56.3512	53	6	31.75486	6	4	58.06639	56.3512	0.147	56.4982
Ede	ede_	0932	06-GPS	52.0452496333	5.6725971111	84.0382	52	2	42.89868	5	40	21.34960	84.0382	0.000	84.0382
Eijsden	eijs	1013	06-GPS	50.7893779889	5.7121096472	102.7948	50	47	21.76076	5	42	43.59473	102.7948	0.147	102.9418
G17D-A	g17d	0703	06-GPS	54.0495694556	5.4381708333	84.0007	54	2	58.45004	5	26	17.41500	84.0007	0.000	84.0007
Geldrop	geld	1002	06-GPS	51.4121434861	5.5551298833	73.2289	51	24	43.71655	5	33	18.46758	73.2289	0.148	73.3769
Gent	gent	0906	FLEPOS	51.0087913889	3.7091527222	60.1528	51	0	31.64900	3	42	32.94980	60.1528	0.000	60.1528
Geofort	geof	0941	06-GPS	51.8656216444	5.1253288306	56.7452	51	51	56.23792	5	7	31.18379	56.7452	0.147	56.8922
Harderwijk	hard	0947	06-GPS	52.3331610444	5.6460284361	62.7450	52	19	59.37976	5	38	45.70237	62.7450	0.148	62.8930
Heerhugowaard	heer	0935	06-GPS	52.6646823722	4.8245812528	60.2775	52	39	52.85654	4	49	28.49251	60.2775	0.147	60.4245
Heesch	hees	0937	06-GPS	51.7280830778	5.5125251694	58.9724	51	43	41.09908	5	30	45.09061	58.9724	0.000	58.9724
Houten	hout	1003	06-GPS	52.0327578639	5.1709076194	57.2107	52	1	57.92831	5	10	15.26743	57.2107	0.148	57.3587
Lillo	lill	0907	FLEPOS	51.3068559833	4.3155792528	66.0244	51	18	24.68154	4	18	56.08531	66.0244	0.000	66.0244
Lottum	lott	0948	06-GPS	51.4565761694	6.1204446361	77.6168	51	27	23.67421	6	7	13.60069	77.6168	0.147	77.7638
Makkum	makk	0934	06-GPS	53.0601207111	5.3974757333	59.4081	53	3	36.43456	5	23	50.91264	59.4081	0.147	59.5551
Nieuwleusen	nieu	0938	06-GPS	52.5872040972	6.2818907056	61.1829	52	35	13.93475	6	16	54.80654	61.1829	0.148	61.3309
Gemini	ohv1	0705	06-GPS	54.0326230528	5.8881155417	81.4774	54	1	57.44299	5	53	17.21595	81.4774	0.000	81.4774
Oostburg	oosb	0946	06-GPS	51.3342168944	3.4991630917	51.7473	51	20	3.18082	3	29	56.98713	51.7473	0.148	51.8953
Oostende	oose	0908	FLEPOS	51.2338040333	2.9292071750	66.0500	51	14	1.69452	2	55	45.14583	66.0500	0.000	66.0500
Oostvoorne	oost	1006	06-GPS	51.9182543694	4.0871299361	62.0343	51	55	5.71573	4	5	13.66777	62.0343	0.098	62.1323
Roosendaal	roos	1007	06-GPS	51.5234359500	4.4769637222	61.4378	51	31	24.36942	4	28	37.06940	61.4378	0.147	61.5848
Rotterdam	rott	0945	06-GPS	51.9427417389	4.4106409389	58.7805	51	56	33.87026	4	24	38.30738	58.7805	0.148	58.9285
Schiermonnikoog	schi	0920	06-GPS	53.4773441361	6.1622679000	50.8093	53	28	38.43889	6	9	44.16444	50.8093	0.148	50.9573
Terschelling	terj	0953	06-GPS	53.3658353194	5.2219987694	74.9753	53	21	57.00715	5	13	19.19557	74.9753	0.000	74.9753
Turnhout	turn	0904	FLEPOS	51.3128757667	4.9490954972	81.3421	51	18	46.35276	4	56	56.74379	81.3421	0.000	81.3421
Urk	urk2	0943	06-GPS	52.6637251333	5.6023757472	54.3901	52	39	49.41048	5	36	8.55269	54.3901	0.148	54.5381
Veendam	veen	0936	06-GPS	53.1042731889	6.8650087667	65.8504	53	6	15.38348	6	51	54.03156	65.8504	0.147	65.9974
Wijk aan Zee	wijk	1014	06-GPS	52.5042497250	4.6021460444	58.6137	52	30	15.29901	4	36	7.72576	58.6137	0.148	58.7617
Zeebrugge	zeeb	0909	FLEPOS	51.3358564833	3.2082219750	60.2331	51	20	9.08334	3	12	29.59911	60.2331	0.000	60.2331
Zierikzee	zier	0950	06-GPS	51.6402113111	3.9235718222	55.3008	51	38	24.76072	3	55	24.85856	55.3008	0.147	55.4478

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stationsnaam	afkorting	nummer	beheerder		RD-coördinaten	NAP-hoogtes	Ant. hoogtes	Ant. Ref. Punt	
					x-RD (m)	y-RD (m)	H-NAP (m)	AH(m)	
								H-NAP ARP (m)	
Leer	0645	0645	SAPOS LGNL		292379.7794	584560.5924	25.0140	0.058	25.0720
Emden	0647	0647	SAPOS LGNL		264259.0283	595802.0390	16.4199	0.055	16.4749
Nordhorn	0658	0658	SAPOS LGNL		269929.8380	495585.8726	37.4403	0.104	37.5443
Meppen	0683	0683	SAPOS LGNL		285286.4731	527127.5936	47.0792	0.052	47.1312
Borkum	0687	0687	SAPOS LGNL		245130.1245	620587.9970	14.1991	0.055	14.2541
Fino	0702	0702	SAPOS LGNL		233709.4931	670616.3372	22.0858	0.052	22.1378
Viersen	2579	2579	SAPOS NRW		225154.1653	363752.1640	60.2622	0.057	60.3192
Vreden	2590	2590	SAPOS NRW		250088.6206	452626.2584	48.6606	0.058	48.7186
Aachen	2591	2591	SAPOS NRW		204471.1773	308901.5383	216.8507	0.056	216.9067
Selfkant	2604	2604	SAPOS NRW		193030.5879	334119.4094	55.4252	0.058	55.4832
Kleve	2623	2623	SAPOS NRW		207111.5812	420243.2405	60.3666	0.057	60.4236
Almere	alml	0933	06-GPS		143774.7140	487070.4209	44.9365	0.000	44.9365
Alphen ad Rijn	alph	0939	06-GPS		102855.4378	460600.1281	16.2967	0.057	16.3537
Amsterdam	ams2	0944	06-GPS		123705.2501	488736.0441	16.2638	0.097	16.3608
Antwerpen	antw	antw	FLEPOS		89335.6206	357549.0792	18.5511	0.000	18.5511
Ballum	ball	1011	06-GPS		174967.3897	606186.3611	13.7175	0.101	13.8185
Beilen	beil	1009	06-GPS		230961.8119	542064.7344	29.6402	0.099	29.7392
Bligh	blig	0910	FLEPOS		-22648.5290	414906.8950	46.1062	0.000	46.1062
Den Burg	denb	0942	06-GPS		115812.1048	562781.8338	14.2694	0.148	14.4174
Deventer	deve	1001	06-GPS		209699.6932	472423.4620	21.3490	0.148	21.4970
Dordrecht	dord	0931	06-GPS		105023.0870	424984.0058	21.0322	0.148	21.1802
Drachten	drac	1015	06-GPS		201580.5889	569339.0730	15.0309	0.147	15.1779
Ede	ede_	0932	06-GPS		174578.7584	450808.6118	40.5897	0.000	40.5897
Eijsden	eijs	1013	06-GPS		177912.3917	311102.7779	56.8601	0.147	57.0071
G17D-A	g17d	0703	06-GPS		158338.3855	673825.4492	43.7624	0.000	43.7624
Geldrop	geld	1002	06-GPS		166682.9910	380347.9529	29.2198	0.148	29.3678
Gent	gent	0906	FLEPOS		37232.9913	336812.5319	15.5059	0.000	15.5059
Geofort	geof	0941	06-GPS		136962.8084	430817.6453	13.2230	0.147	13.3700
Harderwijk	hard	0947	06-GPS		172641.6368	482834.8806	19.7454	0.148	19.8934
Heerhugowaard	heer	0935	06-GPS		116938.0090	519839.0460	17.7467	0.147	17.8937
Heesch	hees	0937	06-GPS		163658.3817	415490.8951	15.3149	0.000	15.3149
Houten	hout	1003	06-GPS		140157.4596	449402.3281	13.8016	0.148	13.9496
Lillo	lill	0907	FLEPOS		80276.3662	369169.6315	21.4660	0.000	21.4660
Lottum	lott	0948	06-GPS		205962.0772	385534.1262	33.1177	0.147	33.2647
Makkum	makk	0934	06-GPS		155688.4481	563694.6984	17.6643	0.147	17.8113
Nieuwleusen	nieu	0938	06-GPS		215632.3673	511445.0556	18.6459	0.148	18.7939
Gemini	ohv1	0705	06-GPS		187827.1828	672052.5175	41.6179	0.000	41.6179
Oostburg	oosb	0946	06-GPS		23433.5230	373367.1656	7.3035	0.148	7.4515
Oostende	oose	0908	FLEPOS		-16650.4015	363383.5266	21.7174	0.000	21.7174
Oostvoorne	oost	1006	06-GPS		65561.9874	437440.7574	18.3842	0.098	18.4822
Roosendaal	roos	1007	06-GPS		91829.9823	393110.2938	17.2273	0.147	17.3743
Rotterdam	rott	0945	06-GPS		87853.3252	439816.3638	15.2067	0.148	15.3547
Schiermonnikoog	schi	0920	06-GPS		206461.1008	610405.7072	10.3500	0.148	10.4980
Terschelling	terj	0953	06-GPS		144002.0007	597730.0556	33.5677	0.000	33.5677
Turnhout	turn	0904	FLEPOS		124454.5758	369382.4640	36.7618	0.000	36.7618
Urk	urk2	0943	06-GPS		169556.7946	519606.2796	11.9560	0.148	12.1040
Veendam	veen	0936	06-GPS		253969.3178	569622.7250	24.8640	0.147	25.0110
Wijk aan Zee	wijk	1014	06-GPS		101696.6761	502128.6907	15.7681	0.148	15.9161
Zeebrugge	zeeb	0909	FLEPOS		3168.8215	374114.5991	15.8375	0.000	15.8375
Zierikzee	zier	0950	06-GPS		53688.5998	406725.4902	11.1518	0.147	11.2988