

TOPO3 SAE 3.02

Gisements des stations vers les points de référence

Départ	x (m)	y (m)	Arrivée	x (m)	y (m)	Deltax (m)	Deltay (m)	D (m)	G (gr)
INSA S41	1576108.347	2264710.085	INSA S46	1576203.038	2264567.911	94.69	-142.17	170.82	162.595
INSA S41	1576108.347	2264710.085	INSA S47	1576296.208	2264510.064	187.86	-200.02	274.41	151.995
INSA S41	1576108.347	2264710.085	INSA S49	1576243.851	2264591.307	135.50	-118.78	180.19	145.819
INSA S41	1576108.347	2264710.085	INSA S51	1576161.05	2264647.219	52.70	-62.87	82.03	155.584
INSA S41	1576108.347	2264710.085	INSA S52	1576292.49	2264489.105	184.14	-220.98	287.65	155.773
INSA S41	1576108.347	2264710.085	INSA S53	1576225.14	2264606.508	116.79	-103.58	156.11	146.187
INSA S41	1576108.347	2264710.085	INSA S54	1576124.827	2264727.366	16.48	17.28	23.88	48.490
INSA S41	1576108.347	2264710.085	INSA S55	1576253.448	2264449.045	145.10	-261.04	298.66	167.702
INSA S41	1576108.347	2264710.085	INSA S56	1576230.806	2264593.108	122.46	-116.98	169.35	148.543
INSA S41	1576108.347	2264710.085	INSA S65	1576310.322	2264506.15	201.97	-203.94	287.03	150.307
INSA S41	1576108.347	2264710.085	INSA S68	1576294.54	2264708.414	186.19	-1.67	186.20	100.571
INSA S41	1576108.347	2264710.085	IUT S62	1576087.973	2264481.436	-20.37	-228.65	229.55	205.658
INSA S42	1576143.966	2264724.381	INSA S46	1576203.038	2264567.911	59.07	-156.47	167.25	177.019
INSA S42	1576143.966	2264724.381	INSA S47	1576296.208	2264510.064	152.24	-214.32	262.89	160.680
INSA S42	1576143.966	2264724.381	INSA S49	1576243.851	2264591.307	99.89	-133.07	166.39	159.009
INSA S42	1576143.966	2264724.381	INSA S51	1576161.05	2264647.219	17.08	-77.16	79.03	186.129
INSA S42	1576143.966	2264724.381	INSA S52	1576292.49	2264489.105	148.52	-235.28	278.23	164.152
INSA S42	1576143.966	2264724.381	INSA S53	1576225.14	2264606.508	81.17	-117.87	143.12	161.607
INSA S42	1576143.966	2264724.381	INSA S54	1576124.827	2264727.366	-19.14	2.98	19.37	309.850
INSA S42	1576143.966	2264724.381	INSA S55	1576253.448	2264449.045	109.48	-275.34	296.30	175.906
INSA S42	1576143.966	2264724.381	INSA S56	1576230.806	2264593.108	86.84	-131.27	157.40	162.794
INSA S42	1576143.966	2264724.381	INSA S65	1576310.322	2264506.15	166.36	-218.23	274.41	158.536
INSA S42	1576143.966	2264724.381	INSA S68	1576294.54	2264708.414	150.57	-15.97	151.42	106.726
INSA S42	1576143.966	2264724.381	IUT S62	1576087.973	2264481.436	-55.99	-242.94	249.31	214.421
INSA S43	1576189.806	2264632.526	INSA S46	1576203.038	2264567.911	13.23	-64.62	65.96	187.141
INSA S43	1576189.806	2264632.526	INSA S47	1576296.208	2264510.064	106.40	-122.46	162.23	154.460
INSA S43	1576189.806	2264632.526	INSA S49	1576243.851	2264591.307	54.04	-41.22	67.97	141.480
INSA S43	1576189.806	2264632.526	INSA S51	1576161.05	2264647.219	-28.76	14.69	32.29	330.072
INSA S43	1576189.806	2264632.526	INSA S52	1576292.49	2264489.105	102.68	-143.42	176.39	160.443
INSA S43	1576189.806	2264632.526	INSA S53	1576225.14	2264606.508	35.33	-26.02	43.88	140.407
INSA S43	1576189.806	2264632.526	INSA S54	1576124.827	2264727.366	-64.98	94.84	114.96	361.759
INSA S43	1576189.806	2264632.526	INSA S55	1576253.448	2264449.045	63.64	-183.48	194.20	178.745
INSA S43	1576189.806	2264632.526	INSA S56	1576230.806	2264593.108	41.00	-39.42	56.88	148.748
INSA S43	1576189.806	2264632.526	INSA S65	1576310.322	2264506.15	120.52	-126.38	174.63	151.511
INSA S43	1576189.806	2264632.526	INSA S68	1576294.54	2264708.414	104.73	75.89	129.34	60.082
INSA S43	1576189.806	2264632.526	IUT S62	1576087.973	2264481.436	-101.83	-151.09	182.20	237.755
INSA S44	1576195.065	2264624.924	INSA S46	1576203.038	2264567.911	7.97	-57.01	57.57	191.155
INSA S44	1576195.065	2264624.924	INSA S47	1576296.208	2264510.064	101.14	-114.86	153.04	154.037
INSA S44	1576195.065	2264624.924	INSA S49	1576243.851	2264591.307	48.79	-33.62	59.25	138.411
INSA S44	1576195.065	2264624.924	INSA S51	1576161.05	2264647.219	-34.01	22.29	40.67	336.936
INSA S44	1576195.065	2264624.924	INSA S52	1576292.49	2264489.105	97.43	-135.82	167.15	160.386
INSA S44	1576195.065	2264624.924	INSA S53	1576225.14	2264606.508	30.07	-18.42	35.27	134.978
INSA S44	1576195.065	2264624.924	INSA S54	1576124.827	2264727.366	-70.24	102.44	124.21	361.738
INSA S44	1576195.065	2264624.924	INSA S55	1576253.448	2264449.045	58.38	-175.88	185.32	179.596
INSA S44	1576195.065	2264624.924	INSA S56	1576230.806	2264593.108	35.74	-31.82	47.85	146.305
INSA S44	1576195.065	2264624.924	INSA S65	1576310.322	2264506.15	115.26	-118.77	165.50	150.957
INSA S44	1576195.065	2264624.924	INSA S68	1576294.54	2264708.414	99.48	83.49	129.87	55.548
INSA S44	1576195.065	2264624.924	IUT S62	1576087.973	2264481.436	-107.09	-143.49	179.05	240.818
INSA S45	1576226.481	2264579.383	INSA S46	1576203.038	2264567.911	-23.44	-11.47	26.10	271.028
INSA S45	1576226.481	2264579.383	INSA S47	1576296.208	2264510.064	69.73	-69.32	98.32	149.813
INSA S45	1576226.481	2264579.383	INSA S49	1576243.851	2264591.307	17.37	11.92	21.07	61.702
INSA S45	1576226.481	2264579.383	INSA S51	1576161.05	2264647.219	-65.43	67.84	94.25	351.149
INSA S45	1576226.481	2264579.383	INSA S52	1576292.49	2264489.105	66.01	-90.28	111.84	159.807
INSA S45	1576226.481	2264579.383	INSA S53	1576225.14	2264606.508	-1.34	27.13	27.16	396.855

INSA S45	1576226.481	2264579.383	INSA S54	1576124.827	2264727.366	-101.65	147.98	179.53	361.682
INSA S45	1576226.481	2264579.383	INSA S55	1576253.448	2264449.045	26.97	-130.34	133.10	187.012
INSA S45	1576226.481	2264579.383	INSA S56	1576230.806	2264593.108	4.33	13.73	14.39	19.434
INSA S45	1576226.481	2264579.383	INSA S65	1576310.322	2264506.15	83.84	-73.23	111.32	145.707
INSA S45	1576226.481	2264579.383	INSA S68	1576294.54	2264708.414	68.06	129.03	145.88	30.900
INSA S45	1576226.481	2264579.383	IUT S62	1576087.973	2264481.436	-138.51	-97.95	169.64	260.815
INSA S48	1576282.847	2264485.694	INSA S46	1576203.038	2264567.911	-79.81	82.22	114.58	350.946
INSA S48	1576282.847	2264485.694	INSA S47	1576296.208	2264510.064	13.36	24.37	27.79	31.927
INSA S48	1576282.847	2264485.694	INSA S49	1576243.851	2264591.307	-39.00	105.61	112.58	377.482
INSA S48	1576282.847	2264485.694	INSA S51	1576161.05	2264647.219	-121.80	161.52	202.30	358.869
INSA S48	1576282.847	2264485.694	INSA S52	1576292.49	2264489.105	9.64	3.41	10.23	78.355
INSA S48	1576282.847	2264485.694	INSA S53	1576225.14	2264606.508	-57.71	120.81	133.89	371.632
INSA S48	1576282.847	2264485.694	INSA S54	1576124.827	2264727.366	-158.02	241.67	288.75	363.134
INSA S48	1576282.847	2264485.694	INSA S55	1576253.448	2264449.045	-29.40	-36.65	46.98	243.040
INSA S48	1576282.847	2264485.694	INSA S56	1576230.806	2264593.108	-52.04	107.41	119.36	371.278
INSA S48	1576282.847	2264485.694	INSA S65	1576310.322	2264506.15	27.47	20.46	34.25	59.257
INSA S48	1576282.847	2264485.694	INSA S68	1576294.54	2264708.414	11.69	222.72	223.03	3.339
INSA S48	1576282.847	2264485.694	IUT S62	1576087.973	2264481.436	-194.87	-4.26	194.92	298.609
INSA S62	1576240.172	2264659.503	INSA S46	1576203.038	2264567.911	-37.13	-91.59	98.83	224.521
INSA S62	1576240.172	2264659.503	INSA S47	1576296.208	2264510.064	56.04	-149.44	159.60	177.161
INSA S62	1576240.172	2264659.503	INSA S49	1576243.851	2264591.307	3.68	-68.20	68.30	196.569
INSA S62	1576240.172	2264659.503	INSA S51	1576161.05	2264647.219	-79.12	-12.28	80.07	290.195
INSA S62	1576240.172	2264659.503	INSA S52	1576292.49	2264489.105	52.32	-170.40	178.25	181.035
INSA S62	1576240.172	2264659.503	INSA S53	1576225.14	2264606.508	-15.03	-53.00	55.09	217.596
INSA S62	1576240.172	2264659.503	INSA S54	1576124.827	2264727.366	-115.34	67.86	133.83	333.856
INSA S62	1576240.172	2264659.503	INSA S55	1576253.448	2264449.045	13.28	-210.46	210.88	195.989
INSA S62	1576240.172	2264659.503	INSA S56	1576230.806	2264593.108	-9.37	-66.40	67.05	208.922
INSA S62	1576240.172	2264659.503	INSA S65	1576310.322	2264506.15	70.15	-153.35	168.64	172.687
INSA S62	1576240.172	2264659.503	INSA S68	1576294.54	2264708.414	54.37	48.91	73.13	53.361
INSA S62	1576240.172	2264659.503	IUT S62	1576087.973	2264481.436	-152.20	-178.07	234.25	245.024
INSA S63	1576313.062	2264589.2	INSA S46	1576203.038	2264567.911	-110.02	-21.29	112.06	287.832
INSA S63	1576313.062	2264589.2	INSA S47	1576296.208	2264510.064	-16.85	-79.14	80.91	213.359
INSA S63	1576313.062	2264589.2	INSA S49	1576243.851	2264591.307	-69.21	2.11	69.24	301.937
INSA S63	1576313.062	2264589.2	INSA S51	1576161.05	2264647.219	-152.01	58.02	162.71	323.212
INSA S63	1576313.062	2264589.2	INSA S52	1576292.49	2264489.105	-20.57	-100.10	102.19	212.904
INSA S63	1576313.062	2264589.2	INSA S53	1576225.14	2264606.508	-87.92	17.31	89.61	312.374
INSA S63	1576313.062	2264589.2	INSA S54	1576124.827	2264727.366	-188.23	138.17	233.50	340.310
INSA S63	1576313.062	2264589.2	INSA S55	1576253.448	2264449.045	-59.61	-140.16	152.31	225.602
INSA S63	1576313.062	2264589.2	INSA S56	1576230.806	2264593.108	-82.26	3.91	82.35	303.022
INSA S63	1576313.062	2264589.2	INSA S65	1576310.322	2264506.15	-2.74	-83.05	83.10	202.100
INSA S63	1576313.062	2264589.2	INSA S68	1576294.54	2264708.414	-18.52	119.21	120.64	390.187
INSA S63	1576313.062	2264589.2	IUT S62	1576087.973	2264481.436	-225.09	-107.76	249.56	271.574