

TOP01 SAE 1.02

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)
IUTS1a	1575994.896	2264580.209	IUTS1a	1575994.896	2264580.209	0.00	0.00	0.00	
IUTS1a	1575994.896	2264580.209	IUTS2a	1576006.71	2264561.575	11.81	-18.63	22.06	164.028
IUTS1a	1575994.896	2264580.209	IUTS4	1576029.579	2264530.817	34.68	-49.39	60.35	161.026
IUTS1a	1575994.896	2264580.209	IUTS6	1576008.966	2264606.801	14.07	26.59	30.08	30.982
IUTS1a	1575994.896	2264580.209	IUTS9	1575968.608	2264562.105	-26.29	-18.10	31.92	261.606
IUTS1a	1575994.896	2264580.209	IUTS10a	1575966.75	2264576.564	-28.15	-3.65	28.38	291.801
IUTS1a	1575994.896	2264580.209	IUTS18a	1575912.521	2264582.343	-82.38	2.13	82.40	301.649
IUTS1a	1575994.896	2264580.209	IUTS21	1575913.572	2264654.085	-81.32	73.88	109.87	346.947
IUTS1a	1575994.896	2264580.209	IUTS32	1575882.88	2264622.068	-112.02	41.86	119.58	322.767
IUTS1a	1575994.896	2264580.209	IUTS34	1575935.54	2264610.955	-59.36	30.75	66.85	330.426
IUTS1a	1575994.896	2264580.209	IUTS60	1576024.873	2264536.167	29.98	-44.04	53.28	161.954
IUTS1a	1575994.896	2264580.209	IUTS61	1576059.725	2264543.887	64.83	-36.32	74.31	132.512
IUTS1a	1575994.896	2264580.209	IUTS66	1575928.615	2264540.035	-66.28	-40.17	77.51	265.310
IUTS1a	1575994.896	2264580.209	IUTS70	1575950.285	2264558.386	-44.61	-21.82	49.66	271.036
IUTS1a	1575994.896	2264580.209	IUTS73	1576034.376	2264534.269	39.48	-45.94	60.57	154.805
IUTS1a	1575994.896	2264580.209	IUTS77	1576018.251	2264486.082	23.35	-94.13	96.98	184.517
IUTS2a	1576006.71	2264561.575	IUTS1a	1575994.896	2264580.209	-11.81	18.63	22.06	364.028
IUTS2a	1576006.71	2264561.575	IUTS2a	1576006.71	2264561.575	0.00	0.00	0.00	
IUTS2a	1576006.71	2264561.575	IUTS4	1576029.579	2264530.817	22.87	-30.76	38.33	159.299
IUTS2a	1576006.71	2264561.575	IUTS6	1576008.966	2264606.801	2.26	45.23	45.28	3.173
IUTS2a	1576006.71	2264561.575	IUTS9	1575968.608	2264562.105	-38.10	0.53	38.11	300.885
IUTS2a	1576006.71	2264561.575	IUTS10a	1575966.75	2264576.564	-39.96	14.99	42.68	322.846
IUTS2a	1576006.71	2264561.575	IUTS18a	1575912.521	2264582.343	-94.19	20.77	96.45	313.816
IUTS2a	1576006.71	2264561.575	IUTS21	1575913.572	2264654.085	-93.14	92.51	131.27	349.785
IUTS2a	1576006.71	2264561.575	IUTS32	1575882.88	2264622.068	-123.83	60.49	137.82	328.929
IUTS2a	1576006.71	2264561.575	IUTS34	1575935.54	2264610.955	-71.17	49.38	86.62	338.616
IUTS2a	1576006.71	2264561.575	IUTS60	1576024.873	2264536.167	18.16	-25.41	31.23	160.490
IUTS2a	1576006.71	2264561.575	IUTS61	1576059.725	2264543.887	53.02	-17.69	55.89	120.501
IUTS2a	1576006.71	2264561.575	IUTS66	1575928.615	2264540.035	-78.09	-21.54	81.01	282.867
IUTS2a	1576006.71	2264561.575	IUTS70	1575950.285	2264558.386	-56.43	-3.19	56.52	296.406
IUTS2a	1576006.71	2264561.575	IUTS73	1576034.376	2264534.269	27.67	-27.31	38.87	149.583
IUTS2a	1576006.71	2264561.575	IUTS77	1576018.251	2264486.082	11.54	-75.49	76.37	190.342
IUTS4	1576029.579	2264530.817	IUTS1a	1575994.896	2264580.209	-34.68	49.39	60.35	361.026
IUTS4	1576029.579	2264530.817	IUTS2a	1576006.71	2264561.575	-22.87	30.76	38.33	359.299
IUTS4	1576029.579	2264530.817	IUTS4	1576029.579	2264530.817	0.00	0.00	0.00	
IUTS4	1576029.579	2264530.817	IUTS6	1576008.966	2264606.801	-20.61	75.98	78.73	383.136
IUTS4	1576029.579	2264530.817	IUTS9	1575968.608	2264562.105	-60.97	31.29	68.53	330.184
IUTS4	1576029.579	2264530.817	IUTS10a	1575966.75	2264576.564	-62.83	45.75	77.72	340.066
IUTS4	1576029.579	2264530.817	IUTS18a	1575912.521	2264582.343	-117.06	51.53	127.90	326.398
IUTS4	1576029.579	2264530.817	IUTS21	1575913.572	2264654.085	-116.01	123.27	169.27	351.931
IUTS4	1576029.579	2264530.817	IUTS32	1575882.88	2264622.068	-146.70	91.25	172.76	335.425
IUTS4	1576029.579	2264530.817	IUTS34	1575935.54	2264610.955	-94.04	80.14	123.55	344.930
IUTS4	1576029.579	2264530.817	IUTS60	1576024.873	2264536.167	-4.71	5.35	7.13	354.071
IUTS4	1576029.579	2264530.817	IUTS61	1576059.725	2264543.887	30.15	13.07	32.86	73.956
IUTS4	1576029.579	2264530.817	IUTS66	1575928.615	2264540.035	-100.96	9.22	101.38	305.796
IUTS4	1576029.579	2264530.817	IUTS70	1575950.285	2264558.386	-79.29	27.57	83.95	321.302
IUTS4	1576029.579	2264530.817	IUTS73	1576034.376	2264534.269	4.80	3.45	5.91	60.290
IUTS4	1576029.579	2264530.817	IUTS77	1576018.251	2264486.082	-11.33	-44.73	46.15	215.789
IUTS6	1576008.966	2264606.801	IUTS1a	1575994.896	2264580.209	-14.07	-26.59	30.08	230.982
IUTS6	1576008.966	2264606.801	IUTS2a	1576006.71	2264561.575	-2.26	-45.23	45.28	203.173
IUTS6	1576008.966	2264606.801	IUTS4	1576029.579	2264530.817	20.61	-75.98	78.73	183.136
IUTS6	1576008.966	2264606.801	IUTS6	1576008.966	2264606.801	0.00	0.00	0.00	
IUTS6	1576008.966	2264606.801	IUTS9	1575968.608	2264562.105	-40.36	-44.70	60.22	246.756
IUTS6	1576008.966	2264606.801	IUTS10a	1575966.75	2264576.564	-42.22	-30.24	51.93	260.431
IUTS6	1576008.966	2264606.801	IUTS18a	1575912.521	2264582.343	-96.45	-24.46	99.50	284.189
IUTS6	1576008.966	2264606.801	IUTS21	1575913.572	2264654.085	-95.39	47.28	106.47	329.296
IUTS6	1576008.966	2264606.801	IUTS32	1575882.88	2264622.068	-126.09	15.27	127.01	307.671
IUTS6	1576008.966	2264606.801	IUTS34	1575935.54	2264610.955	-73.43	4.15	73.54	303.598
IUTS6	1576008.966	2264606.801	IUTS60	1576024.873	2264536.167	15.91	-70.63	72.40	185.898

IUTS6	1576008.966	2264606.801	IUTS61	1576059.725	2264543.887	50.76	-62.91	80.84	156.782
IUTS6	1576008.966	2264606.801	IUTS66	1575928.615	2264540.035	-80.35	-66.77	104.47	255.862
IUTS6	1576008.966	2264606.801	IUTS70	1575950.285	2264558.386	-58.68	-48.42	76.08	256.084
IUTS6	1576008.966	2264606.801	IUTS73	1576034.376	2264534.269	25.41	-72.53	76.85	178.548
IUTS6	1576008.966	2264606.801	IUTS77	1576018.251	2264486.082	9.28	-120.72	121.08	195.113
IUTS9	1575968.608	2264562.105	IUTS1a	1575994.896	2264580.209	26.29	18.10	31.92	61.606
IUTS9	1575968.608	2264562.105	IUTS2a	1576006.71	2264561.575	38.10	-0.53	38.11	100.885
IUTS9	1575968.608	2264562.105	IUTS4	1576029.579	2264530.817	60.97	-31.29	68.53	130.184
IUTS9	1575968.608	2264562.105	IUTS6	1576008.966	2264606.801	40.36	44.70	60.22	46.756
IUTS9	1575968.608	2264562.105	IUTS9	1575968.608	2264562.105	0.00	0.00	0.00	
IUTS9	1575968.608	2264562.105	IUTS10a	1575966.75	2264576.564	-1.86	14.46	14.58	391.864
IUTS9	1575968.608	2264562.105	IUTS18a	1575912.521	2264582.343	-56.09	20.24	59.63	322.046
IUTS9	1575968.608	2264562.105	IUTS21	1575913.572	2264654.085	-55.04	91.98	107.19	365.673
IUTS9	1575968.608	2264562.105	IUTS32	1575882.88	2264622.068	-85.73	59.96	104.62	338.857
IUTS9	1575968.608	2264562.105	IUTS34	1575935.54	2264610.955	-33.07	48.85	58.99	362.116
IUTS9	1575968.608	2264562.105	IUTS60	1576024.873	2264536.167	56.26	-25.94	61.96	127.500
IUTS9	1575968.608	2264562.105	IUTS61	1576059.725	2264543.887	91.12	-18.22	92.92	112.563
IUTS9	1575968.608	2264562.105	IUTS66	1575928.615	2264540.035	-39.99	-22.07	45.68	267.898
IUTS9	1575968.608	2264562.105	IUTS70	1575950.285	2264558.386	-18.32	-3.72	18.70	287.252
IUTS9	1575968.608	2264562.105	IUTS73	1576034.376	2264534.269	65.77	-27.84	71.42	125.489
IUTS9	1575968.608	2264562.105	IUTS77	1576018.251	2264486.082	49.64	-76.02	90.80	163.173
IUTS10a	1575966.75	2264576.564	IUTS1a	1575994.896	2264580.209	28.15	3.65	28.38	91.801
IUTS10a	1575966.75	2264576.564	IUTS2a	1576006.71	2264561.575	39.96	-14.99	42.68	122.846
IUTS10a	1575966.75	2264576.564	IUTS4	1576029.579	2264530.817	62.83	-45.75	77.72	140.066
IUTS10a	1575966.75	2264576.564	IUTS6	1576008.966	2264606.801	42.22	30.24	51.93	60.431
IUTS10a	1575966.75	2264576.564	IUTS9	1575968.608	2264562.105	1.86	-14.46	14.58	191.864
IUTS10a	1575966.75	2264576.564	IUTS10a	1575966.75	2264576.564	0.00	0.00	0.00	
IUTS10a	1575966.75	2264576.564	IUTS18a	1575912.521	2264582.343	-54.23	5.78	54.54	306.759
IUTS10a	1575966.75	2264576.564	IUTS21	1575913.572	2264654.085	-53.18	77.52	94.01	361.723
IUTS10a	1575966.75	2264576.564	IUTS32	1575882.88	2264622.068	-83.87	45.50	95.42	331.647
IUTS10a	1575966.75	2264576.564	IUTS34	1575935.54	2264610.955	-31.21	34.39	46.44	353.085
IUTS10a	1575966.75	2264576.564	IUTS60	1576024.873	2264536.167	58.12	-40.40	70.78	138.667
IUTS10a	1575966.75	2264576.564	IUTS61	1576059.725	2264543.887	92.98	-32.68	98.55	121.516
IUTS10a	1575966.75	2264576.564	IUTS66	1575928.615	2264540.035	-38.14	-36.53	52.81	251.369
IUTS10a	1575966.75	2264576.564	IUTS70	1575950.285	2264558.386	-16.47	-18.18	24.53	246.855
IUTS10a	1575966.75	2264576.564	IUTS73	1576034.376	2264534.269	67.63	-42.29	79.76	135.581
IUTS10a	1575966.75	2264576.564	IUTS77	1576018.251	2264486.082	51.50	-90.48	104.11	167.058
IUTS18a	1575912.521	2264582.343	IUTS1a	1575994.896	2264580.209	82.38	-2.13	82.40	101.649
IUTS18a	1575912.521	2264582.343	IUTS2a	1576006.71	2264561.575	94.19	-20.77	96.45	113.816
IUTS18a	1575912.521	2264582.343	IUTS4	1576029.579	2264530.817	117.06	-51.53	127.90	126.398
IUTS18a	1575912.521	2264582.343	IUTS6	1576008.966	2264606.801	96.45	24.46	99.50	84.189
IUTS18a	1575912.521	2264582.343	IUTS9	1575968.608	2264562.105	56.09	-20.24	59.63	122.046
IUTS18a	1575912.521	2264582.343	IUTS10a	1575966.75	2264576.564	54.23	-5.78	54.54	106.759
IUTS18a	1575912.521	2264582.343	IUTS18a	1575912.521	2264582.343	0.00	0.00	0.00	
IUTS18a	1575912.521	2264582.343	IUTS21	1575913.572	2264654.085	1.05	71.74	71.75	0.933
IUTS18a	1575912.521	2264582.343	IUTS32	1575882.88	2264622.068	-29.64	39.73	49.56	359.190
IUTS18a	1575912.521	2264582.343	IUTS34	1575935.54	2264610.955	23.02	28.61	36.72	43.131
IUTS18a	1575912.521	2264582.343	IUTS60	1576024.873	2264536.167	112.35	-46.18	121.47	124.825
IUTS18a	1575912.521	2264582.343	IUTS61	1576059.725	2264543.887	147.20	-38.46	152.14	116.268
IUTS18a	1575912.521	2264582.343	IUTS66	1575928.615	2264540.035	16.09	-42.31	45.27	176.859
IUTS18a	1575912.521	2264582.343	IUTS70	1575950.285	2264558.386	37.76	-23.96	44.72	135.989
IUTS18a	1575912.521	2264582.343	IUTS73	1576034.376	2264534.269	121.85	-48.07	131.00	123.922
IUTS18a	1575912.521	2264582.343	IUTS77	1576018.251	2264486.082	105.73	-96.26	142.99	147.018
IUTS21	1575913.572	2264654.085	IUTS1a	1575994.896	2264580.209	81.32	-73.88	109.87	146.947
IUTS21	1575913.572	2264654.085	IUTS2a	1576006.71	2264561.575	93.14	-92.51	131.27	149.785
IUTS21	1575913.572	2264654.085	IUTS4	1576029.579	2264530.817	116.01	-123.27	169.27	151.931
IUTS21	1575913.572	2264654.085	IUTS6	1576008.966	2264606.801	95.39	-47.28	106.47	129.296
IUTS21	1575913.572	2264654.085	IUTS9	1575968.608	2264562.105	55.04	-91.98	107.19	165.673
IUTS21	1575913.572	2264654.085	IUTS10a	1575966.75	2264576.564	53.18	-77.52	94.01	161.723
IUTS21	1575913.572	2264654.085	IUTS18a	1575912.521	2264582.343	-1.05	-71.74	71.75	200.933
IUTS21	1575913.572	2264654.085	IUTS21	1575913.572	2264654.085	0.00	0.00	0.00	
IUTS21	1575913.572	2264654.085	IUTS32	1575882.88	2264622.068	-30.69	-32.02	44.35	248.655
IUTS21	1575913.572	2264654.085	IUTS34	1575935.54	2264610.955	21.97	-43.13	48.40	170.009
IUTS21	1575913.572	2264654.085	IUTS60	1576024.873	2264536.167	111.30	-117.92	162.15	151.837
IUTS21	1575913.572	2264654.085	IUTS61	1576059.725	2264543.887	146.15	-110.20	183.04	141.129
IUTS21	1575913.572	2264654.085	IUTS66	1575928.615	2264540.035	15.04	-114.05	115.04	191.651

IUTS21	1575913.572	2264654.085	IUTS70	1575950.285	2264558.386	36.71	-95.70	102.50	176.680
IUTS21	1575913.572	2264654.085	IUTS73	1576034.376	2264534.269	120.80	-119.82	170.15	149.739
IUTS21	1575913.572	2264654.085	IUTS77	1576018.251	2264486.082	104.68	-168.00	197.95	164.527
IUTS32	1575882.88	2264622.068	IUTS1a	1575994.896	2264580.209	112.02	-41.86	119.58	122.767
IUTS32	1575882.88	2264622.068	IUTS2a	1576006.71	2264561.575	123.83	-60.49	137.82	128.929
IUTS32	1575882.88	2264622.068	IUTS4	1576029.579	2264530.817	146.70	-91.25	172.76	135.425
IUTS32	1575882.88	2264622.068	IUTS6	1576008.966	2264606.801	126.09	-15.27	127.01	107.671
IUTS32	1575882.88	2264622.068	IUTS9	1575968.608	2264562.105	85.73	-59.96	104.62	138.857
IUTS32	1575882.88	2264622.068	IUTS10a	1575966.75	2264576.564	83.87	-45.50	95.42	131.647
IUTS32	1575882.88	2264622.068	IUTS18a	1575912.521	2264582.343	29.64	-39.73	49.56	159.190
IUTS32	1575882.88	2264622.068	IUTS21	1575913.572	2264654.085	30.69	32.02	44.35	48.655
IUTS32	1575882.88	2264622.068	IUTS32	1575882.88	2264622.068	0.00	0.00	0.00	
IUTS32	1575882.88	2264622.068	IUTS34	1575935.54	2264610.955	52.66	-11.11	53.82	113.241
IUTS32	1575882.88	2264622.068	IUTS60	1576024.873	2264536.167	141.99	-85.90	165.95	134.636
IUTS32	1575882.88	2264622.068	IUTS61	1576059.725	2264543.887	176.85	-78.18	193.36	126.500
IUTS32	1575882.88	2264622.068	IUTS66	1575928.615	2264540.035	45.74	-82.03	93.92	167.622
IUTS32	1575882.88	2264622.068	IUTS70	1575950.285	2264558.386	67.41	-63.68	92.73	148.192
IUTS32	1575882.88	2264622.068	IUTS73	1576034.376	2264534.269	151.50	-87.80	175.10	133.438
IUTS32	1575882.88	2264622.068	IUTS77	1576018.251	2264486.082	135.37	-135.99	191.88	150.144
IUTS34	1575935.54	2264610.955	IUTS1a	1575994.896	2264580.209	59.36	-30.75	66.85	130.426
IUTS34	1575935.54	2264610.955	IUTS2a	1576006.71	2264561.575	71.17	-49.38	86.62	138.616
IUTS34	1575935.54	2264610.955	IUTS4	1576029.579	2264530.817	94.04	-80.14	123.55	144.930
IUTS34	1575935.54	2264610.955	IUTS6	1576008.966	2264606.801	73.43	-4.15	73.54	103.598
IUTS34	1575935.54	2264610.955	IUTS9	1575968.608	2264562.105	33.07	-48.85	58.99	162.116
IUTS34	1575935.54	2264610.955	IUTS10a	1575966.75	2264576.564	31.21	-34.39	46.44	153.085
IUTS34	1575935.54	2264610.955	IUTS18a	1575912.521	2264582.343	-23.02	-28.61	36.72	243.131
IUTS34	1575935.54	2264610.955	IUTS21	1575913.572	2264654.085	-21.97	43.13	48.40	370.009
IUTS34	1575935.54	2264610.955	IUTS32	1575882.88	2264622.068	-52.66	11.11	53.82	313.241
IUTS34	1575935.54	2264610.955	IUTS34	1575935.54	2264610.955	0.00	0.00	0.00	
IUTS34	1575935.54	2264610.955	IUTS60	1576024.873	2264536.167	89.33	-74.79	116.51	144.373
IUTS34	1575935.54	2264610.955	IUTS61	1576059.725	2264543.887	124.19	-67.07	141.14	131.524
IUTS34	1575935.54	2264610.955	IUTS66	1575928.615	2264540.035	-6.93	-70.92	71.26	206.197
IUTS34	1575935.54	2264610.955	IUTS70	1575950.285	2264558.386	14.74	-52.57	54.60	182.591
IUTS34	1575935.54	2264610.955	IUTS73	1576034.376	2264534.269	98.84	-76.69	125.10	142.008
IUTS34	1575935.54	2264610.955	IUTS77	1576018.251	2264486.082	82.71	-124.87	149.78	162.757
IUTS60	1576024.873	2264536.167	IUTS1a	1575994.896	2264580.209	-29.98	44.04	53.28	361.954
IUTS60	1576024.873	2264536.167	IUTS2a	1576006.71	2264561.575	-18.16	25.41	31.23	360.490
IUTS60	1576024.873	2264536.167	IUTS4	1576029.579	2264530.817	4.71	-5.35	7.13	154.071
IUTS60	1576024.873	2264536.167	IUTS6	1576008.966	2264606.801	-15.91	70.63	72.40	385.898
IUTS60	1576024.873	2264536.167	IUTS9	1575968.608	2264562.105	-56.26	25.94	61.96	327.500
IUTS60	1576024.873	2264536.167	IUTS10a	1575966.75	2264576.564	-58.12	40.40	70.78	338.667
IUTS60	1576024.873	2264536.167	IUTS18a	1575912.521	2264582.343	-112.35	46.18	121.47	324.825
IUTS60	1576024.873	2264536.167	IUTS21	1575913.572	2264654.085	-111.30	117.92	162.15	351.837
IUTS60	1576024.873	2264536.167	IUTS32	1575882.88	2264622.068	-141.99	85.90	165.95	334.636
IUTS60	1576024.873	2264536.167	IUTS34	1575935.54	2264610.955	-89.33	74.79	116.51	344.373
IUTS60	1576024.873	2264536.167	IUTS60	1576024.873	2264536.167	0.00	0.00	0.00	
IUTS60	1576024.873	2264536.167	IUTS61	1576059.725	2264543.887	34.85	7.72	35.70	86.122
IUTS60	1576024.873	2264536.167	IUTS66	1575928.615	2264540.035	-96.26	3.87	96.34	302.557
IUTS60	1576024.873	2264536.167	IUTS70	1575950.285	2264558.386	-74.59	22.22	77.83	318.431
IUTS60	1576024.873	2264536.167	IUTS73	1576034.376	2264534.269	9.50	-1.90	9.69	112.550
IUTS60	1576024.873	2264536.167	IUTS77	1576018.251	2264486.082	-6.62	-50.08	50.52	208.369
IUTS61	1576059.725	2264543.887	IUTS1a	1575994.896	2264580.209	-64.83	36.32	74.31	332.512
IUTS61	1576059.725	2264543.887	IUTS2a	1576006.71	2264561.575	-53.02	17.69	55.89	320.501
IUTS61	1576059.725	2264543.887	IUTS4	1576029.579	2264530.817	-30.15	-13.07	32.86	273.956
IUTS61	1576059.725	2264543.887	IUTS6	1576008.966	2264606.801	-50.76	62.91	80.84	356.782
IUTS61	1576059.725	2264543.887	IUTS9	1575968.608	2264562.105	-91.12	18.22	92.92	312.563
IUTS61	1576059.725	2264543.887	IUTS10a	1575966.75	2264576.564	-92.98	32.68	98.55	321.516
IUTS61	1576059.725	2264543.887	IUTS18a	1575912.521	2264582.343	-147.20	38.46	152.14	316.268
IUTS61	1576059.725	2264543.887	IUTS21	1575913.572	2264654.085	-146.15	110.20	183.04	341.129
IUTS61	1576059.725	2264543.887	IUTS32	1575882.88	2264622.068	-176.85	78.18	193.36	326.500
IUTS61	1576059.725	2264543.887	IUTS34	1575935.54	2264610.955	-124.19	67.07	141.14	331.524
IUTS61	1576059.725	2264543.887	IUTS60	1576024.873	2264536.167	-34.85	-7.72	35.70	286.122
IUTS61	1576059.725	2264543.887	IUTS61	1576059.725	2264543.887	0.00	0.00	0.00	
IUTS61	1576059.725	2264543.887	IUTS66	1575928.615	2264540.035	-131.11	-3.85	131.17	298.130
IUTS61	1576059.725	2264543.887	IUTS70	1575950.285	2264558.386	-109.44	14.50	110.40	308.385
IUTS61	1576059.725	2264543.887	IUTS73	1576034.376	2264534.269	-25.35	-9.62	27.11	276.913

IUTS61	1576059.725	2264543.887	IUTS77	1576018.251	2264486.082	-41.47	-57.81	71.14	239.621
IUTS66	1575928.615	2264540.035	IUTS1a	1575994.896	2264580.209	66.28	40.17	77.51	65.310
IUTS66	1575928.615	2264540.035	IUTS2a	1576006.71	2264561.575	78.09	21.54	81.01	82.867
IUTS66	1575928.615	2264540.035	IUTS4	1576029.579	2264530.817	100.96	-9.22	101.38	105.796
IUTS66	1575928.615	2264540.035	IUTS6	1576008.966	2264606.801	80.35	66.77	104.47	55.862
IUTS66	1575928.615	2264540.035	IUTS9	1575968.608	2264562.105	39.99	22.07	45.68	67.898
IUTS66	1575928.615	2264540.035	IUTS10a	1575966.75	2264576.564	38.14	36.53	52.81	51.369
IUTS66	1575928.615	2264540.035	IUTS18a	1575912.521	2264582.343	-16.09	42.31	45.27	376.859
IUTS66	1575928.615	2264540.035	IUTS21	1575913.572	2264654.085	-15.04	114.05	115.04	391.651
IUTS66	1575928.615	2264540.035	IUTS32	1575882.88	2264622.068	-45.74	82.03	93.92	367.622
IUTS66	1575928.615	2264540.035	IUTS34	1575935.54	2264610.955	6.93	70.92	71.26	6.197
IUTS66	1575928.615	2264540.035	IUTS60	1576024.873	2264536.167	96.26	-3.87	96.34	102.557
IUTS66	1575928.615	2264540.035	IUTS61	1576059.725	2264543.887	131.11	3.85	131.17	98.130
IUTS66	1575928.615	2264540.035	IUTS66	1575928.615	2264540.035	0.00	0.00	0.00	
IUTS66	1575928.615	2264540.035	IUTS70	1575950.285	2264558.386	21.67	18.35	28.40	55.268
IUTS66	1575928.615	2264540.035	IUTS73	1576034.376	2264534.269	105.76	-5.77	105.92	103.467
IUTS66	1575928.615	2264540.035	IUTS77	1576018.251	2264486.082	89.64	-53.95	104.62	134.494
IUTS70	1575950.285	2264558.386	IUTS1a	1575994.896	2264580.209	44.61	21.82	49.66	71.036
IUTS70	1575950.285	2264558.386	IUTS2a	1576006.71	2264561.575	56.43	3.19	56.52	96.406
IUTS70	1575950.285	2264558.386	IUTS4	1576029.579	2264530.817	79.29	-27.57	83.95	121.302
IUTS70	1575950.285	2264558.386	IUTS6	1576008.966	2264606.801	58.68	48.42	76.08	56.084
IUTS70	1575950.285	2264558.386	IUTS9	1575968.608	2264562.105	18.32	3.72	18.70	87.252
IUTS70	1575950.285	2264558.386	IUTS10a	1575966.75	2264576.564	16.47	18.18	24.53	46.855
IUTS70	1575950.285	2264558.386	IUTS18a	1575912.521	2264582.343	-37.76	23.96	44.72	335.989
IUTS70	1575950.285	2264558.386	IUTS21	1575913.572	2264654.085	-36.71	95.70	102.50	376.680
IUTS70	1575950.285	2264558.386	IUTS32	1575882.88	2264622.068	-67.41	63.68	92.73	348.192
IUTS70	1575950.285	2264558.386	IUTS34	1575935.54	2264610.955	-14.74	52.57	54.60	382.591
IUTS70	1575950.285	2264558.386	IUTS60	1576024.873	2264536.167	74.59	-22.22	77.83	118.431
IUTS70	1575950.285	2264558.386	IUTS61	1576059.725	2264543.887	109.44	-14.50	110.40	108.385
IUTS70	1575950.285	2264558.386	IUTS66	1575928.615	2264540.035	-21.67	-18.35	28.40	255.268
IUTS70	1575950.285	2264558.386	IUTS70	1575950.285	2264558.386	0.00	0.00	0.00	
IUTS70	1575950.285	2264558.386	IUTS73	1576034.376	2264534.269	84.09	-24.12	87.48	117.781
IUTS70	1575950.285	2264558.386	IUTS77	1576018.251	2264486.082	67.97	-72.30	99.23	151.968
IUTS73	1576034.376	2264534.269	IUTS1a	1575994.896	2264580.209	-39.48	45.94	60.57	354.805
IUTS73	1576034.376	2264534.269	IUTS2a	1576006.71	2264561.575	-27.67	27.31	38.87	349.583
IUTS73	1576034.376	2264534.269	IUTS4	1576029.579	2264530.817	-4.80	-3.45	5.91	260.290
IUTS73	1576034.376	2264534.269	IUTS6	1576008.966	2264606.801	-25.41	72.53	76.85	378.548
IUTS73	1576034.376	2264534.269	IUTS9	1575968.608	2264562.105	-65.77	27.84	71.42	325.489
IUTS73	1576034.376	2264534.269	IUTS10a	1575966.75	2264576.564	-67.63	42.29	79.76	335.581
IUTS73	1576034.376	2264534.269	IUTS18a	1575912.521	2264582.343	-121.85	48.07	131.00	323.922
IUTS73	1576034.376	2264534.269	IUTS21	1575913.572	2264654.085	-120.80	119.82	170.15	349.739
IUTS73	1576034.376	2264534.269	IUTS32	1575882.88	2264622.068	-151.50	87.80	175.10	333.438
IUTS73	1576034.376	2264534.269	IUTS34	1575935.54	2264610.955	-98.84	76.69	125.10	342.008
IUTS73	1576034.376	2264534.269	IUTS60	1576024.873	2264536.167	-9.50	1.90	9.69	312.550
IUTS73	1576034.376	2264534.269	IUTS61	1576059.725	2264543.887	25.35	9.62	27.11	76.913
IUTS73	1576034.376	2264534.269	IUTS66	1575928.615	2264540.035	-105.76	5.77	105.92	303.467
IUTS73	1576034.376	2264534.269	IUTS70	1575950.285	2264558.386	-84.09	24.12	87.48	317.781
IUTS73	1576034.376	2264534.269	IUTS73	1576034.376	2264534.269	0.00	0.00	0.00	
IUTS73	1576034.376	2264534.269	IUTS77	1576018.251	2264486.082	-16.13	-48.19	50.81	220.558
IUTS77	1576018.251	2264486.082	IUTS1a	1575994.896	2264580.209	-23.35	94.13	96.98	384.517
IUTS77	1576018.251	2264486.082	IUTS2a	1576006.71	2264561.575	-11.54	75.49	76.37	390.342
IUTS77	1576018.251	2264486.082	IUTS4	1576029.579	2264530.817	11.33	44.73	46.15	15.789
IUTS77	1576018.251	2264486.082	IUTS6	1576008.966	2264606.801	-9.28	120.72	121.08	395.113
IUTS77	1576018.251	2264486.082	IUTS9	1575968.608	2264562.105	-49.64	76.02	90.80	363.173
IUTS77	1576018.251	2264486.082	IUTS10a	1575966.75	2264576.564	-51.50	90.48	104.11	367.058
IUTS77	1576018.251	2264486.082	IUTS18a	1575912.521	2264582.343	-105.73	96.26	142.99	347.018
IUTS77	1576018.251	2264486.082	IUTS21	1575913.572	2264654.085	-104.68	168.00	197.95	364.527
IUTS77	1576018.251	2264486.082	IUTS32	1575882.88	2264622.068	-135.37	135.99	191.88	350.144
IUTS77	1576018.251	2264486.082	IUTS34	1575935.54	2264610.955	-82.71	124.87	149.78	362.757
IUTS77	1576018.251	2264486.082	IUTS60	1576024.873	2264536.167	6.62	50.08	50.52	8.369
IUTS77	1576018.251	2264486.082	IUTS61	1576059.725	2264543.887	41.47	57.81	71.14	39.621
IUTS77	1576018.251	2264486.082	IUTS66	1575928.615	2264540.035	-89.64	53.95	104.62	334.494
IUTS77	1576018.251	2264486.082	IUTS70	1575950.285	2264558.386	-67.97	72.30	99.23	351.968
IUTS77	1576018.251	2264486.082	IUTS73	1576034.376	2264534.269	16.13	48.19	50.81	20.558
IUTS77	1576018.251	2264486.082	IUTS77	1576018.251	2264486.082	0.00	0.00	0.00	