ENSG Géomatique
ÉCOLE NATIONALE DES SCIENCES GÉOGRAPHIQUES

Compte rendu de compensation Comp3D

Référence : \\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\CT.cmp.xml
COMP3D Y.Egels 4.0 version du 11/10/2006 / Comp3DCmp.xsl version : 0.1b
Calculé le : 20/04/2022 14h26 sur PC-COURS

Coordonnées initiales

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\CT.cor

niv -1

Point		X	Y	Z	Et X	Et Y	Et Z
1001	XY	640.466	410.180	101.011	0.0050	0.0050	0.0300
1002	XY	658.303	376.014	97.586	0.0050	0.0050	0.0300
1003	XY	547.663	301.481	95.000	0.0100	0.0100	0.0300
1004	XYZ	510.076	297.570	103.598	0.0010	0.0010	0.0010
1004c	XY	511.551	300.467	103.628	0.0050	0.0050	0.0300
1005	XY	532.527	319.838	104.766	0.0050	0.0050	0.0300
1006	XY	509.314	379.354	104.299	0.0050	0.0050	0.0300
1007	XY	610.532	379.224	100.790	0.0500	0.0500	0.3000
1008	XY	624.913	383.120	101.998	0.0050	0.0050	0.0300
1009	XY	638.991	394.148	102.975	0.0050	0.0050	0.0300
1010	XY	647.825	383.608	102.600	0.0050	0.0050	
1012	XY	624.340	358.115	103.893	0.0050	0.0050	0.0300
3001	XY	626.456	340.581	92.048	0.0050	0.0050	0.0300
3002	XY	628.717	378.863	99.005	0.0050	0.0050	0.0300
3003	XY	644.130	377.811	107.037	0.0050	0.0050	0.0300
P01	XY	646.781	404.100	100.315	0.0050	0.0050	0.0300
P02	XY	671.247	389.063	94.353	0.0050	0.0050	0.0300
P03	XY	655.176	370.790	97.052	0.0050	0.0050	0.0300
P04	XY	648.831	361.398	94.583	0.0050	0.0050	0.0300
P05	XY	621.288	354.813	103.008	0.0050	0.0050	0.0300
G1	XY	651.091	383.355	105.739	0.0050	0.0050	0.0300
G2	XY	634.867	366.894	106.661	0.0050	0.0050	0.0300
G3	XY	631.761	384.268	106.478	0.0050	0.0050	0.0300
RN	XY	500.000	500.000	0.000	0.0010	0.0010	0.0300
1004C	-	511.542	300.473	103.625	0.0260	0.0520	0.0430
1011	-	638.589	382.743	102.317	0.0030	0.0090	0.0150
1013	-	587.682	407.347	99.966	0.0060	0.0180	0.0240
2001	-	630.146	381.636	98.960	0.0060	0.0180	0.0240
2002	-	647.698	383.540	97.593	0.0060	0.0190	0.0240
2003	-	645.477	371.972	97.580	0.0060	0.0180	0.0240
2004	-	631.561	374.746	98.713	0.0060	0.0180	0.0240
2004s	-	631.561	374.746	98.698	0.0060	0.0180	0.0240
2012	-	643.470	375.503	102.249	0.0010	0.0020	0.0070
2013	-	643.779	378.607	102.492	0.0010	0.0010	0.0070
2014	-	634.933	375.657	103.196	0.0010	0.0020	0.0070
2014L	-	634.935	375.660	104.654	0.0010	0.0020	0.0070

2015	-	635.005	378.453	103.173	0.0010	0.0010	0.0070
2016	-	634.454	374.049	102.031	0.0010	0.0010	0.0070
3018	-	647.039	373.971	102.284	0.0010	0.0020	0.0070
3010	-	635.269	371.877	100.808	0.0020	0.0020	0.0090
3011	-	641.645	370.226	102.356	0.0110	0.0330	0.0420
BW02	-	653.099	386.306	99.709			
BW03	-	637.836	351.774	95.354			
BW04	-	606.191	383.926	104.903	0.0030	0.0130	0.0150
BW05	-	641.262	369.833	99.234			
BW06	-	638.514	402.038	102.734			
BW07	-	636.842	370.533	103.726	0.0110	0.0330	0.0420
BW08	-	643.822	380.063	104.070	0.0110	0.0330	0.0420
BW09	-	640.051	380.966	104.027	0.0020	0.0020	0.0070
BW10	-	611.490	373.053	105.115	0.0020	0.0010	0.0070
BW11	-	627.564	399.701	105.597	0.0020	0.0020	0.0070
BW12	-	640.272	369.046	104.163	0.0110	0.0330	0.0420
BW13	-	633.256	371.847	104.119	0.0110	0.0330	0.0420
BW14	-	631.792	370.692	98.663	0.0110	0.0330	0.0420
BW23	-	636.784	386.099	103.814			
BW24	-	645.000	385.276	99.883			
BWN	-	640.052	380.968	104.027	0.0040	0.0030	0.0090
PP01	-	639.923	368.995	99.579			
SG01	-	642.869	372.012	97.800			
SG02	-	665.904	372.442	91.795			
SG03	-	635.571	371.238	100.923	0.0110	0.0330	0.0420
SG04	-	644.345	373.367	102.412	0.0110	0.0330	0.0420
SM01	-	642.833	368.807	102.570			
SM02	-	645.973	369.971	98.729	0.0030	0.0130	0.0150
SM04	-	653.931	384.396	97.045			
SM05	-	633.346	370.011	103.478	0.0030	0.0130	0.0150
SM06	-	631.822	373.965	104.799			
SM07	-	642.453	378.318	103.922			
SM08	-	634.743	375.408	103.282	0.0110	0.0330	0.0420
SM09	-	634.880	381.365	103.240	0.0020	0.0020	0.0070
SM10	-	645.196	385.771	99.720	0.0030	0.0030	0.0090
SM96	-	634.198	382.262	102.392	0.0030	0.0030	0.0090
SM99	-	633.709	373.146	102.242	0.0030	0.0030	0.0090
JN0101	-	649.196	383.400	100.064			
JN0102	-	647.597	385.472	98.004	0.0060	0.0190	0.0240
JN0103	-	645.517	385.821	99.159	0.0070	0.0190	0.0240
JN0104	-	645.075	383.301	100.769	0.0060	0.0180	0.0240
JN0105	-	643.844	384.506	98.278	0.0070	0.0180	0.0240
JN0106	-	641.563	383.820	100.527	0.0070	0.0180	0.0240
JN0107	-	639.765	384.606	98.475	0.0070	0.0180	0.0240
JN0108	-	636.366	384.663	100.466	0.0030	0.0030	0.0090
JN0109	-	635.415	383.960	98.437	0.0070	0.0180	0.0240
JN0110	-	635.484	382.523	100.220	0.0060	0.0180	0.0240
JN0111	-	636.766	381.052	99.120	0.0030	0.0030	0.0090
JN0114	-	646.761	381.771	98.313	0.0060	0.0190	0.0240
JN0115	-	638.626	383.180	100.785	0.0060	0.0180	0.0240
JN0116	-	635.004	382.340	100.218	0.0060	0.0180	0.0240
JN0117	-	634.435	382.854	98.675	0.0060	0.0180	0.0240
JN0118	-	634.789	381.759	98.488	0.0060	0.0180	0.0240
JN0120	-	630.092	382.157	100.813			
JN0121	-	629.327	381.278	100.167			
JN0206	-	639.280	385.252	103.119	0.0060	0.0180	0.0240
JN0301	-	648.965	380.366	98.460	0.0060	0.0190	0.0240
JN0302	-	646.765	380.291	98.705	0.0060	0.0190	0.0240
JN0303	-	644.019	379.929	98.925	0.0060	0.0180	0.0240
JN0304	-	639.497	379.973	99.043			
JN0305	-	634.848	380.018	99.651	0.0060	0.0180	0.0240
JN0306	-	630.867	380.561	99.532			

JN0307	-	628.224	380.476	99.943	0.0060	0.0180	0.0240
JN0308	-	623.719	380.366	100.377	0.0060	0.0180	0.0240
JN0309	-	617.701	380.230	101.084	0.0060	0.0190	0.0240
JN0310	-	647.936	380.339	103.142	0.0060	0.0190	0.0240
JN0311	-	641.201	379.929	103.349	0.0110	0.0330	0.0420
JN0312	-	640.129	379.930	104.000	0.0110	0.0330	0.0420
JN0312I	-	640.101	379.934	103.939	0.0110	0.0330	0.0420
JN0313	-	638.319	379.984	103.448	0.0060	0.0180	0.0240
JN0314	-	630.440	380.541	102.007			
JN0320	-	647.451	380.375	98.198	0.0030	0.0130	0.0150
JN0321	-	642.988	379.935	98.805	0.0030	0.0130	0.0150
JN0322	-	636.723	379.997	99.177	0.0030	0.0130	0.0150
JN0401	-	649.433	380.462	97.074	0.0060	0.0190	0.0240
JN0402	-	650.941	382.978	96.811	0.0060	0.0190	0.0240
JN0403	-	650.390	381.934	102.578	0.0060	0.0190	0.0240
JN0404	-	649.837	380.955	104.355	0.0060	0.0190	0.0240
JN0405	-	649.561	386.391	99.448	0.0030	0.0090	0.0150
JN0406	-	645.735	386.965	100.276	0.0060	0.0180	0.0240
JN0407	-	641.644	387.236	100.937	0.0030	0.0090	0.0150
JN0408	-	648.975	386.507	104.626	0.0030	0.0090	0.0150
JN0409	-	641.396	388.273	105.717	0.0070	0.0180	0.0240
JN0410	-	641.667	390.575	105.673	0.0030	0.0090	0.0150
JN0411	-	641.782	393.769	100.974	0.0070	0.0180	0.0240
JN0412	-	641.586	391.033	100.945	0.0030	0.0090	0.0150
JN0420	-	643.204	395.204	100.906	0.0070	0.0180	0.0240
JN0421	-	643.477	397.583	100.946	0.0080	0.0180	0.0240
JN0422	-	643.251	397.806	100.887	0.0080	0.0180	0.0240
JN0423	-	641.353	398.910	101.320	0.0080	0.0180	0.0240
JN0424	-	640.874	398.657	101.505	0.0080	0.0180	0.0240
JN0425	-	639.687	398.772	103.033	0.0080	0.0180	0.0240
JN0426	-	638.177	399.165	101.696	0.0080	0.0180	0.0240
JN0427	-	642.531	398.392	104.222	0.0080	0.0180	0.0240
JN0428	-	643.433	396.275	104.482	0.0070	0.0180	0.0240
JN1101	-	640.945	380.582	103.633	0.0030	0.0090	0.0150
JN1102	-	643.582	380.121	106.151	0.0030	0.0090	0.0150
JN1103	-	646.121	381.589	103.098	0.0030	0.0090	0.0150
JN1104	-	648.718	380.828	104.427	0.0030	0.0090	0.0150
JN1105	-	648.250	385.180	102.907	0.0030	0.0090	0.0150
JN1106	-	644.804	385.216	104.212	0.0030	0.0090	0.0150
JN1107	-	639.909	381.917	106.512	0.0030	0.0090	0.0150
JN1108	-	649.695	382.767	104.263	0.0030	0.0090	0.0150
JN1109	-	640.442	385.739	103.464	0.0030	0.0090	0.0150
JN1301	-	638.430	382.119	104.013	0.0060	0.0180	0.0240
JN1302	-	631.894	383.316	102.826	0.0030	0.0090	0.0150
JN1303	-	631.768	382.317	104.719	0.0030	0.0090	0.0150
JN1304	-	633.995	383.474	104.100	0.0030	0.0090	0.0150
JN1305	-	637.689	383.301	102.633	0.0030	0.0090	0.0150
JN1306	-	631.856	382.308	102.704	0.0060	0.0180	0.0240
JN1307	-	640.461	383.233	104.432	0.0030	0.0090	0.0150
JN1308	-	640.586	382.074	102.807	0.0030	0.0090	0.0150
JN1401	-	634.741	383.710	102.870	0.0030	0.0090	0.0150
JN1402	-	634.738	384.743	104.357	0.0030	0.0090	0.0150
JN1403	-	633.546	384.773	102.950	0.0030	0.0090	0.0150
JN1404	-	632.256	384.573	104.195	0.0030	0.0090	0.0150
JN1405	-	632.573	383.852	103.014	0.0030	0.0090	0.0150
JN1406	-	633.506	384.003	104.362	0.0030	0.0090	0.0150
JN1501	-	639.379	388.455	105.589	0.0070	0.0180	0.0240
JN1502	-	639.645	391.651	105.658	0.0070	0.0180	0.0240
JN1503	-	639.788	393.720	103.674	0.0070	0.0180	0.0240
JN1504	-	639.416	390.095	103.316	0.0070	0.0180	0.0240
JN1505	-	639.176	386.726	103.546	0.0070	0.0180	0.0240
JN1506	-	637.496	385.065	104.263	0.0060	0.0180	0.0240

JN1507	-	636.943	386.968	103.374	0.0060	0.0180	0.0240
JN1508	-	637.521	390.985	103.736	0.0070	0.0180	0.0240
JN1509	-	637.986	394.412	103.231	0.0040	0.0090	0.0150
JN1510	-	638.452	396.539	104.511	0.0040	0.0090	0.0150
JN1511	-	639.196	384.994	104.479	0.0060	0.0180	0.0240
JN1514	-	638.340	385.182	102.767	0.0060	0.0180	0.0240
JN1601	-	640.517	397.091	103.279	0.0070	0.0180	0.0240
JN1602	-	641.739	398.335	104.259	0.0080	0.0180	0.0240
JN1603	-	642.302	397.000	103.328	0.0070	0.0180	0.0240
JN1604	-	641.876	395.616	105.155	0.0070	0.0180	0.0240
JN1605	-	640.211	394.257	103.730	0.0070	0.0180	0.0240
JN1606	-	639.407	396.071	105.413	0.0070	0.0180	0.0240
JN1609	-	639.407	396.070	105.413	0.0040	0.0090	0.0150
JN1701	-	637.132	393.457	103.430	0.0070	0.0180	0.0240
JN1702	-	636.327	388.138	103.417	0.0070	0.0180	0.0240
JN1801	-	636.599	397.177	105.731	0.0070	0.0180	0.0240
JN1802	-	631.681	398.623	105.706	0.0080	0.0180	0.0240
JN1803	-	634.326	397.790	103.744	0.0080	0.0180	0.0240
JN1804	-	630.596	397.220	103.222	0.0080	0.0180	0.0240
JN1901	-	631.880	385.224	103.311	0.0060	0.0180	0.0240
JN1902	-	635.475	385.102	103.526	0.0060	0.0180	0.0240
JN1903	-	633.762	385.172	106.116	0.0060	0.0180	0.0240
JN2001	-	630.273	395.139	103.597	0.0070	0.0180	0.0240
JN2002	-	630.137	393.548	102.946	0.0070	0.0180	0.0240
JN2003	-	629.443	393.749	103.699	0.0070	0.0180	0.0240
JN2004	-	629.648	395.296	102.633	0.0070	0.0180	0.0240
JN2005	-	629.228	391.916	102.584	0.0070	0.0180	0.0240
JN2006	-	629.126	390.868	102.999	0.0070	0.0180	0.0240
JN2007	-	629.850	390.876	102.721	0.0070	0.0180	0.0240
JN2008	-	629.951	391.869	103.122	0.0070	0.0180	0.0240
JN2009	-	629.720	389.666	102.776	0.0070	0.0180	0.0240
JN2010	-	629.241	385.398	102.936	0.0060	0.0180	0.0240
JN2011	-	628.382	385.282	102.655	0.0060	0.0180	0.0240
JN2012	-	627.349	387.043	102.634	0.0060	0.0180	0.0240
JN2013	-	628.955	389.588	102.611	0.0070	0.0180	0.0240
JN2101	-	624.726	397.923	102.756	0.0080	0.0180	0.0240
JN2102	-	625.985	400.045	104.940	0.0080	0.0180	0.0240
JN2103	-	629.865	399.148	105.530	0.0080	0.0180	0.0240
JN2104	-	627.906	399.710	103.179	0.0080	0.0180	0.0240
JN2105	-	629.853	397.010	102.848	0.0080	0.0180	0.0240
JS0101	-	630.495	374.184	100.167			
JS0102	-	647.615	371.240	97.853	0.0110	0.0330	0.0420
JS0103	-	648.458	371.703	99.790	0.0110	0.0330	0.0420
JS0104	-	645.840	374.772	97.945	0.0010	0.0020	0.0070
JS0105	-	644.560	371.351	99.351			
JS0106	-	644.449	373.644	100.538	0.0020	0.0020	0.0070
JS0107	-	641.824	374.820	98.166			
JS0108	-	640.476	373.632	100.625	0.0110	0.0330	0.0420
JS0109	-	639.075	374.858	99.551			
JS0111	-	641.847	369.562	98.308			
JS0112	-	630.159	374.929	100.616			
JS0113	-	649.695	373.932	99.162			
JS0115	-	633.765	372.845	98.647	0.0110	0.0330	0.0420
JS0116	-	638.391	372.711	99.939	0.0110	0.0330	0.0420
JS0201	-	639.766	371.109	99.320			
JS0202	-	637.916	371.100	100.621	0.0110	0.0330	0.0420
JS0203	-	635.696	371.072	101.209	0.0110	0.0330	0.0420
JS0204	-	635.197	370.782	103.612	0.0110	0.0330	0.0420
JS0205	-	633.893	370.011	102.515	0.0110	0.0330	0.0420
JS0206	-	633.120	370.710	103.844	0.0110	0.0330	0.0420
JS0207	-	634.374	371.509	102.223	0.0110	0.0330	0.0420
JS0208	-	634.742	371.782	101.456	0.0110	0.0330	0.0420

JS0209	-	635.719	372.122	103.257			
JS0210	-	634.604	372.922	103.804	0.0110	0.0330	0.0420
JS0212	-	635.488	373.174	104.053	0.0110	0.0330	0.0420
JS0213	-	637.353	372.115	99.732	0.0110	0.0330	0.0420
JS0214	-	640.134	372.156	99.886	0.0110	0.0330	0.0420
JS0215	-	639.776	372.147	98.337	0.0110	0.0330	0.0420
JS0216	-	634.606	372.922	103.803	0.0110	0.0330	0.0420
JS0301	-	648.931	376.050	97.363	0.0060	0.0190	0.0240
JS0302	-	646.965	376.076	98.589	0.0060	0.0190	0.0240
JS0303	-	644.057	376.605	98.510	0.0060	0.0180	0.0240
JS0304	-	639.475	376.681	98.884			
JS0305	-	635.190	376.745	99.316	0.0060	0.0180	0.0240
JS0306	-	631.633	376.534	99.620	0.0060	0.0180	0.0240
JS0307	-	628.315	376.495	99.734	0.0060	0.0180	0.0240
JS0308	-	623.184	376.547	100.582	0.0060	0.0180	0.0240
JS0309	-	617.488	376.596	101.094	0.0060	0.0190	0.0240
JS0310	-	647.743	376.077	103.009	0.0060	0.0190	0.0240
JS0311	-	641.252	376.650	103.825	0.0020	0.0020	0.0070
JS0312	-	639.822	376.654	103.488	0.0010	0.0020	0.0070
JS0313	-	636.912	376.719	103.901	0.0060	0.0180	0.0240
JS0314	-	630.774	376.495	102.030	0.0060	0.0180	0.0240
JS0320	-	647.271	376.075	98.366	0.0030	0.0130	0.0150
JS0321	-	643.005	376.625	98.752	0.0030	0.0130	0.0150
JS0322	-	636.767	376.716	99.208			
JS0401	-	649.005	376.022	99.404	0.0060	0.0190	0.0240
JS0402	-	650.680	373.113	97.939	0.0060	0.0190	0.0240
JS0403	-	650.216	374.112	103.010	0.0060	0.0190	0.0240
JS0409	-	634.640	367.060	106.462			
JS0501	-	650.766	372.948	99.473	0.0060	0.0190	0.0240
JS0502	-	649.145	369.993	97.718	0.0060	0.0190	0.0240
JS0503	-	648.572	369.889	99.850	0.0060	0.0190	0.0240
JS0504	-	643.890	369.806	99.357	0.0060	0.0190	0.0240
JS0505	-	641.329	367.337	100.006	0.0060	0.0180	0.0240
JS0506	-	649.958	371.331	103.577	0.0060	0.0190	0.0240
JS0507	-	647.643	369.825	102.469	0.0060	0.0190	0.0240
JS0508	-	642.932	368.837	103.126	0.0060	0.0180	0.0240
JS0509	-	650.649	372.367	106.774	0.0060	0.0190	0.0240
JS0510	-	641.768	367.704	106.506	0.0060	0.0180	0.0240
JS0601	-	641.198	367.357	98.653	0.0060	0.0180	0.0240
JS0602	-	637.948	368.063	99.849	0.0060	0.0180	0.0240
JS0603	-	634.103	366.155	99.941			
JS0604	-	630.963	364.273	99.750	0.0060	0.0180	0.0240
JS0605	-	628.307	361.554	99.180	0.0060	0.0180	0.0240
JS0606	-	625.214	357.879	99.432	0.0060	0.0180	0.0240
JS0607	-	622.772	353.735	100.005	0.0070	0.0180	0.0240
JS0608	-	639.820	368.750	103.088	0.0070	0.0180	0.0240
JS0609	-	637.712	368.228	106.541			
JS0610	-	632.908	365.608	104.116			
JS0611	-	625.432	358.464	103.806			
JS1101	-	642.711	374.436	104.429	0.0110	0.0330	0.0420
JS1102	-	644.306	374.709	102.523	0.0110	0.0330	0.0420
JS1103	-	644.396	373.938	105.118	0.0110	0.0330	0.0420
JS1104	-	646.122	374.726	105.455	0.0110	0.0330	0.0420
JS1105	-	648.060	374.728	102.408	0.0110	0.0330	0.0420
JS1106	-	649.216	372.895	105.427	0.0110	0.0330	0.0420
JS1107	-	648.285	371.220	102.562	0.0110	0.0330	0.0420
JS1108	-	645.585	371.538	105.615	0.0110	0.0330	0.0420
JS1110	-	641.853	368.906	103.507	0.0110	0.0330	0.0420
JS1116	-	636.975	369.856	104.442	0.0110	0.0330	0.0420
JS1117	-	636.829	371.222	102.411	0.0110	0.0330	0.0420
JS1201	-	631.814	374.103	103.649	0.0110	0.0330	0.0420
JS1202	-	634.609	374.599	103.679	0.0110	0.0330	0.0420

JS1206	-	640.023	374.481	102.404	0.0110	0.0330	0.0420
JS1301	-	634.186	372.333	103.701			
JS1310	-	633.251	371.855	104.122			
JS1302	-	633.361	371.513	102.740			
JS1304	-	632.371	372.877	102.807			
JS1305	-	633.395	372.835	104.037			
JS0211	-	635.619	372.995	102.255			
JS1211	-	632.423	373.455	104.602			
JS1209	-	635.949	373.394	104.192			
JS1303	-	632.186	371.876	103.840	0.0030	0.0030	0.0070
JS1400	-	642.772	375.065	104.188	0.0110	0.0330	0.0420
JS1401	-	642.935	375.969	103.973	0.0110	0.0330	0.0420
JS1403	-	639.449	376.037	104.529	0.0110	0.0330	0.0420
JS1405	-	635.440	376.107	105.149	0.0020	0.0020	0.0070
JS1406	-	634.687	375.213	105.016	0.0020	0.0030	0.0090
JS1407	-	637.740	375.144	102.896	0.0010	0.0020	0.0070
JS1408	-	640.498	375.104	104.327	0.0110	0.0330	0.0420
JS1502	-	634.568	376.621	105.081	0.0020	0.0030	0.0090
JS1503	-	634.615	378.421	104.942	0.0060	0.0180	0.0240
JS1504	-	634.647	379.402	103.397	0.0020	0.0020	0.0090
JS1505	-	634.734	381.449	104.995	0.0030	0.0020	0.0090
JS1506	-	635.577	380.602	103.663	0.0020	0.0030	0.0090
JS1507	-	635.515	378.810	105.074	0.0030	0.0030	0.0090
JS1601	-	634.796	381.530	103.329	0.0030	0.0040	0.0090
JS1602	-	637.806	381.493	104.232	0.0030	0.0020	0.0090
JS1603	-	639.578	381.485	103.101	0.0030	0.0030	0.0090
JS1604	-	640.141	381.213	104.636	0.0030	0.0030	0.0090
JS1605	-	639.793	380.585	103.044	0.0030	0.0030	0.0090
JS1606	-	637.739	380.629	104.568	0.0020	0.0020	0.0090
JS1607	-	636.863	380.638	102.967	0.0020	0.0020	0.0090
JS1702	-	644.272	378.637	104.659			
JS1704	-	644.214	375.594	103.985	0.0110	0.0330	0.0420
JS1705	-	642.781	375.017	102.357	0.0020	0.0020	0.0070
JV0101	-	645.497	376.605	101.270	0.0060	0.0180	0.0240
JV0102	-	645.571	379.954	97.795	0.0060	0.0180	0.0240
JV0103	-	645.702	379.848	104.668	0.0060	0.0180	0.0240
JV0104	-	645.712	379.405	106.587	0.0030	0.0090	0.0150
JV0105	-	645.664	378.918	106.804	0.0060	0.0180	0.0240
JV0106	-	645.598	377.955	103.097	0.0030	0.0090	0.0150
JV0201	-	642.141	378.727	103.639			
JV0202	-	642.149	379.718	100.898	0.0060	0.0180	0.0240
JV0203	-	642.099	376.788	100.766			
JV0301	-	636.098	377.934	103.752	0.0060	0.0180	0.0240
JV0302	-	636.140	379.575	102.020	0.0060	0.0180	0.0240
JV0303	-	636.075	376.865	101.485	0.0060	0.0180	0.0240
JV0304	-	636.144	378.206	106.417	0.0030	0.0130	0.0150
JV0401	-	633.879	376.734	98.781	0.0060	0.0180	0.0240
JV0402	-	633.946	380.075	98.715	0.0060	0.0180	0.0240
JV0403	-	631.682	380.347	101.053	0.0060	0.0180	0.0240
JV0404	-	631.655	380.522	104.689	0.0060	0.0180	0.0240
JV0405	-	631.612	376.760	104.408			
JV0406	-	631.556	371.816	102.405	0.0020	0.0020	0.0070
JV0407	-	631.687	371.908	106.448	0.0060	0.0180	0.0240
JV0408	-	631.654	385.148	102.742	0.0060	0.0180	0.0240
JV0409	-	634.640	367.061	106.462	0.0030	0.0130	0.0150
JV0410	-	631.662	385.070	106.014	0.0060	0.0180	0.0240
JV0411	-	631.604	377.893	106.691			
NAT1	-	631.644	370.769	98.469			
NAT2	-	632.360	370.498	98.118			
NAT3	-	655.995	382.587	94.090	0.3290	0.4030	0.3280
L001	-	623.938	346.102	96.595	0.3030	0.1980	0.1030
L002	-	630.404	357.152	98.047	0.1660	0.1230	0.0910

L003	-	639.509	363.186	98.126	0.1040	0.1210	0.0890
L004	-	632.939	362.863	100.545	0.1050	0.0950	0.0860
L005	-	645.505	367.199	98.798	0.0880	0.1460	0.0890
L006	-	651.061	363.790	96.121	0.0900	0.0840	0.0700
L007	-	652.763	369.328	98.709	0.1500	0.0900	0.0890
L008	-	655.484	374.823	98.524	0.1070	0.0920	0.0850
L009	-	653.775	378.415	98.116	0.2570	0.2540	0.2420
L010	-	649.851	378.551	98.490	0.4420	0.4440	0.4120
L011	-	647.695	378.186	98.804	0.3290	0.4030	0.3280
L012	-	625.040	361.878	104.566	0.3290	0.4030	0.3280
L013	-	618.531	366.084	105.030	0.3290	0.4030	0.3280
L014	-	621.101	375.041	103.408	0.3290	0.4030	0.3280
L015	-	642.147	378.370	99.383	0.3290	0.4030	0.3280
L016	-	636.194	378.425	100.024	0.3290	0.4030	0.3280
L017	-	629.581	372.345	103.831	0.3290	0.4030	0.3280
L018	-	632.247	369.512	103.780	0.3290	0.4030	0.3280
L019	-	633.249	378.524	100.167	0.3290	0.4030	0.3280
L020	-	646.968	373.057	99.168	0.3290	0.4030	0.3280
L021	-	643.072	372.269	99.265	0.3290	0.4030	0.3280
L022	-	636.772	374.112	99.442	0.3290	0.4030	0.3280
L023	-	631.466	374.270	100.175	0.3290	0.4030	0.3280
L024	-	652.353	358.150	93.741	0.3290	0.4030	0.3280
L025	-	631.680	345.507	94.016	0.3290	0.4030	0.3280
L026	-	627.223	378.545	100.832	0.3290	0.4030	0.3280
L027	-	653.061	385.222	100.840	0.3290	0.4030	0.3280
L028	-	648.656	387.952	100.936	0.3290	0.4030	0.3280
L029	-	656.746	393.190	100.309	0.3290	0.4030	0.3280
L030	-	647.102	396.581	101.480	0.3290	0.4030	0.3280
L031	-	645.274	402.800	102.040	0.3290	0.4030	0.3280
L032	-	639.111	403.302	102.256	0.3290	0.4030	0.3280
L033	-	635.868	403.244	101.820	0.3290	0.4030	0.3280
L034	-	626.992	403.122	100.628	0.3290	0.4030	0.3280
L035	-	622.090	404.356	100.746	0.3290	0.4030	0.3280
L036	-	647.730	374.103	98.992	0.3290	0.4030	0.3280
L037	-	641.827	370.723	99.235	0.3290	0.4030	0.3280
L038	-	640.963	371.861	99.296	0.3290	0.4030	0.3280
L039	-	638.870	371.655	99.679	0.3290	0.4030	0.3280
L040	-	637.959	371.667	100.325	0.3290	0.4030	0.3280
L041	-	637.292	371.559	100.914	0.3290	0.4030	0.3280
L042	-	636.364	371.599	101.713	0.3290	0.4030	0.3280
L043	-	635.434	371.738	102.421	0.3290	0.4030	0.3280
L044	-	635.041	373.947	103.348	0.3290	0.4030	0.3280
L045	-	633.791	370.605	103.646	0.3290	0.4030	0.3280
L046	-	638.962	373.876	103.327	0.3290	0.4030	0.3280
L047	-	643.501	373.026	103.763	0.3290	0.4030	0.3280
L048	-	641.750	371.751	103.783	0.3290	0.4030	0.3280
L049	-	641.262	369.494	103.549	0.3290	0.4030	0.3280
L050	-	637.988	370.921	103.584	0.3290	0.4030	0.3280
L051	-	647.346	371.424	103.714	0.3290	0.4030	0.3280
L052	-	647.929	373.318	103.786	0.3290	0.4030	0.3280
L053	-	632.344	371.211	98.845	0.3290	0.4030	0.3280
L054	-	643.836	375.250	103.494	0.3290	0.4030	0.3280
L055	-	643.666	378.235	103.859	0.3290	0.4030	0.3280
L056	-	640.693	375.532	103.630	0.3290	0.4030	0.3280
L057	-	637.546	375.557	103.757	0.3290	0.4030	0.3280
L058	-	634.838	375.697	104.523	0.3290	0.4030	0.3280
L059	-	635.024	378.419	104.443	0.3290	0.4030	0.3280
L060	-	635.116	381.028	104.455	0.3290	0.4030	0.3280
L061	-	637.856	381.151	103.608	0.3290	0.4030	0.3280
L062	-	647.770	383.504	99.231	0.3290	0.4030	0.3280
L063	-	646.007	385.044	99.292	0.3290	0.4030	0.3280
L064	-	642.926	383.194	99.293	0.3290	0.4030	0.3280

L065	-	639.718	383.476	99.395	0.3290	0.4030	0.3280
L066	-	636.727	383.182	99.530	0.3290	0.4030	0.3280
L067	-	633.933	382.122	99.755	0.3290	0.4030	0.3280
L068	-	630.212	381.558	100.238	0.3290	0.4030	0.3280
L069	-	648.457	382.775	103.687	0.3290	0.4030	0.3280
L070	-	647.240	383.991	103.896	0.3290	0.4030	0.3280
L071	-	642.097	381.273	103.812	0.3290	0.4030	0.3280
L072	-	642.766	384.643	103.879	0.3290	0.4030	0.3280
L073	-	638.639	382.560	103.668	0.3290	0.4030	0.3280
L074	-	638.538	390.238	104.340	0.3290	0.4030	0.3280
L075	-	644.161	385.431	99.431	0.3290	0.4030	0.3280
L076	-	643.106	385.454	100.182	0.3290	0.4030	0.3280
L077	-	642.041	385.559	100.898	0.3290	0.4030	0.3280
L078	-	641.044	385.632	101.645	0.3290	0.4030	0.3280
L079	-	640.052	385.614	102.396	0.3290	0.4030	0.3280
L080	-	639.474	385.757	102.909	0.3290	0.4030	0.3280
L081	-	637.339	385.826	103.704	0.3290	0.4030	0.3280
L082	-	638.685	384.638	103.543	0.3290	0.4030	0.3280
L083	-	643.698	378.272	108.726	0.3290	0.4030	0.3280
L084	-	636.419	375.065	108.511	0.3290	0.4030	0.3280
L085	-	635.403	378.684	108.329	0.3290	0.4030	0.3280
L086	-	638.174	381.290	108.340	0.3290	0.4030	0.3280
L087	-	641.267	395.625	103.954	0.3290	0.4030	0.3280
L088	-	641.595	397.444	104.559	0.3290	0.4030	0.3280
L089	-	639.129	394.091	104.528	0.3290	0.4030	0.3280
L090	-	634.158	388.053	104.204	0.3290	0.4030	0.3280
L091	-	634.652	396.468	103.955	0.3290	0.4030	0.3280
L092	-	626.192	399.415	103.913	0.3290	0.4030	0.3280
L093	-	625.186	391.584	103.599	0.3290	0.4030	0.3280
L094	-	619.547	383.785	103.180	0.3290	0.4030	0.3280
L095	-	633.029	384.275	103.314	0.3290	0.4030	0.3280
L096	-	634.301	384.350	104.043	0.3290	0.4030	0.3280
L097	-	636.469	382.509	103.793	0.3290	0.4030	0.3280
L098	-	633.597	382.570	103.791	0.3290	0.4030	0.3280
L099	-	633.577	372.276	103.437	0.3290	0.4030	0.3280
L100	-	634.298	374.132	103.481	0.3290	0.4030	0.3280
L103	-	644.873	371.463	103.684	0.3290	0.4030	0.3280
L104	-	641.131	372.040	103.718	0.3290	0.4030	0.3280
L105	-	633.463	372.104	102.851	0.3290	0.4030	0.3280
L107	-	665.686	394.712	95.840	0.3290	0.4030	0.3280
L108	-	673.365	379.416	92.794	0.3290	0.4030	0.3280
L109	-	658.595	383.953	93.161	0.3290	0.4030	0.3280
L110	-	640.756	369.443	99.239	0.3290	0.4030	0.3280
L111	-	605.478	386.247	98.398	0.3290	0.4030	0.3280
L112	-	609.152	381.559	101.531	0.3290	0.4030	0.3280
MR0101	-	622.922	374.717	102.623	0.0110	0.0330	0.0420
MR0102	-	620.564	373.522	101.981	0.0110	0.0330	0.0420
MR0103	-	618.634	372.566	102.727	0.0110	0.0330	0.0420
MR0104	-	620.405	372.682	102.141	0.0010	0.0010	0.0070
MR0105	-	622.462	373.730	102.758	0.0010	0.0020	0.0070
MR0201	-	623.974	373.049	103.253	0.0020	0.0020	0.0070
MR0202	-	623.327	374.333	102.255	0.0020	0.0020	0.0070
MR0203	-	624.705	371.979	102.394	0.0020	0.0020	0.0070
MR0204	-	624.344	371.399	102.317	0.0010	0.0020	0.0070
MR0205	-	626.002	370.285	102.336	0.0020	0.0020	0.0070
MR0206	-	627.950	365.526	102.041	0.0020	0.0010	0.0070
MR0301	-	625.500	370.034	102.514	0.0020	0.0010	0.0070
MR0303	-	623.656	367.507	101.898	0.0020	0.0010	0.0070
MR0304	-	625.511	369.066	101.363	0.0020	0.0010	0.0070
MR0403	-	619.762	371.392	102.586	0.0020	0.0010	0.0070
MR0501	-	631.862	367.434	103.929	0.0110	0.0320	0.0420
MR0502	-	629.786	365.798	103.458	0.0110	0.0320	0.0420

MR0503	-	627.011	363.238	103.166	0.0110	0.0330	0.0420
MR0504	-	633.389	368.932	103.408	0.0020	0.0020	0.0070
MR0505	-	630.650	366.804	102.870	0.0020	0.0020	0.0070
MR0506	-	627.961	364.310	101.957	0.0020	0.0010	0.0070
MR0507	-	624.197	360.110	103.205	0.0010	0.0020	0.0070
MR0601	-	627.386	369.102	102.066	0.0010	0.0010	0.0070
MR0701	-	628.518	368.987	102.305	0.0020	0.0020	0.0070
MR0701b	-	628.750	369.307	102.479	0.0020	0.0020	0.0070
MR0702	-	628.518	368.987	102.304	0.0020	0.0020	0.0070
MR0801	-	630.105	369.653	102.604	0.0020	0.0020	0.0070
MR0901	-	631.003	368.292	102.736	0.0020	0.0020	0.0070
PST01	-	603.869	388.654	96.838	0.0120	0.0340	0.0420
S01	-	641.225	405.564	102.340	0.0090	0.0180	0.0240
S02	-	644.054	403.153	102.122	0.0080	0.0180	0.0240
S03	-	649.312	397.358	101.217	0.0080	0.0190	0.0240
S04	-	652.295	389.739	100.767	0.0070	0.0190	0.0240
S05	-	656.498	379.129	99.352	0.0060	0.0190	0.0240
S06	-	654.791	386.366	100.560	0.0060	0.0190	0.0240
S07	-	645.756	378.310	98.984	0.0060	0.0180	0.0240
S08	-	626.996	392.344	103.966	0.0070	0.0180	0.0240
S09	-	634.387	393.528	104.425	0.0070	0.0180	0.0240
S10	-	635.206	389.082	104.576	0.0070	0.0180	0.0240
S11	-	640.881	395.735	104.563	0.0070	0.0180	0.0240
SL01IB	-	635.174	381.155	104.720	0.0020	0.0020	0.0090
SL01IB2	-	635.181	381.144	104.716	0.0030	0.0020	0.0090
SL02	-	637.816	380.966	103.730	0.0020	0.0020	0.0090
SL101	-	540.653	368.687	104.921	0.0100	0.0450	0.0420
SL102	-	548.573	396.339	105.298	0.0130	0.0430	0.0420
SL15001	-	638.987	379.578	99.614	0.0010	0.0010	0.0070
SL15002	-	638.410	377.474	99.686	0.0010	0.0010	0.0070
SL1503	-	644.071	373.634	103.772	0.0010	0.0010	0.0070
SL15002_1	-	638.409	377.474	99.686	0.0010	0.0010	0.0070
SLMR01	-	630.900	367.523	104.189	0.0010	0.0010	0.0070
SLMR02	-	624.471	365.116	103.647	0.0010	0.0010	0.0070
SLMR03	-	630.791	367.764	103.910	0.0020	0.0020	0.0090
SL1703	-	580.530	366.689	104.457	0.0020	0.0020	0.0090
SL1704	-	608.648	395.888	106.055	0.0020	0.0020	0.0090
SL1706	-	555.423	306.377	96.309	0.0020	0.0020	0.0090
SL1707	-	513.299	295.496	105.039	0.0020	0.0020	0.0090
SL1801	-	620.852	362.697	104.811	0.0020	0.0020	0.0090
SL1802	-	628.433	375.094	103.818	0.0020	0.0020	0.0090
SL1810	-	631.329	379.946	100.323	0.0020	0.0020	0.0090
SL1811	-	643.762	376.920	99.216	0.0020	0.0020	0.0090
SL1821	-	642.854	371.702	103.851	0.2000	0.2000	0.9000
SL1822	-	634.458	374.041	103.567	0.0020	0.0020	0.0090

Lecture des mesures

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\CT.obs niv -0
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/NIVEL.OBS niv -1
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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS/1011.OBS niv -1

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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS/S02.OBS niv -1
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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/P05.OBS niv -1
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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL1503.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL15001.OBS niv -1
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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL150021.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/2003.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/2003BIS.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/3010.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SLMR01.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SLMR02.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/2015.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL02.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL16.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SLMR03.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/170322_SL1703.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/170322_SL1704.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/3001.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL1707.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL1706.OBS niv -1
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\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/18032022_SL1802.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL1810.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/SL1811.OBS niv -1
\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2/180322_SL21.OBS niv -1

Info mesure : Le point vise SL1820 est inconnu

Info mesure : Le point vise SL1820 est inconnu
Info mesure : Le point vise SL1820 est inconnu
\\del1502n002\projets_LPRO3_2022
\Chateau_Thierry\Calcul_Comp3D\OBS2/180322_SL22.OBS

niv - 1

Initialisation du calcul

Initialisation de la projection stéréographique

Ellipsoïde	**désignation :**	Ellipsoïde International
	demi axe :	6.37838800000000E+0006
	e2 :	6.72267000000000E-0003
Données du chantier	**Latitude moy. :**	45.0000 °.'"
	Z0 :	0.0000 **m**
Rayon calculé :		6.37835172308854E+0006
Point origine : imposé	**X0 :**	500.0000
	Y0 :	500.0000

Création des tours d'horizon

Nombre de tours : 58

Données en entrée

Nombre de Points :	515
Nombre de Mesures :	2551
Nombre de Clichés :	0
Nombre de Mesures_Ph :	0
Nombre de Repères :	109

Rangement de la matrice normale

N_depart :	20
Nombre d'inconnues :	1930
Taille de la matrice :	242270

Compensation

Itération	**sigma 0**
0	1069.47241
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
1	702.30184
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
2	506.77772
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
3	394.61193
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
4	244.05171
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
5	27.75118
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	
6	12.30417
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)	

7 1.09013
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)
8 1.09006
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)
9 1.09015
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)
10 1.09003
alerte : Point : 1004c indeterminé en Z (Pivot = 0.0E+0000)

Résidus après compensation

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\CT.obs niv -1

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* * 2022 03 08									
*20220309									
* *20220310									
* *20220311									
*20220314									
2004	2004s	C.Pl	0.1	0.0001		0.1	1.07		
*20220315									
*@obs2/3018.obs									
*@obs2/3011.obs									
*20220316									
*20220317									
*20220318									
*@obs2/180322_SL20.obs									
*@obs2/180322_SL1823.obs									
*@obs2/170322-SL17.obs									

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\NIVEL.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* Cheminement 1									
1006	RN	Den	0.1	1.1474		0.0	0.05		
RN	1006	Den	0.1	-1.1474		0.0	0.05		
1006	1007	Den	0.2	-3.4812		-0.0	-0.05		
1007	1006	Den	0.2	3.4812		0.2	1.22		
* Cheminement 2									
1007	1002	Den	0.1	-3.2204		0.6	4.05	*	
1002	1007	Den	0.1	3.2204		-0.8	-5.62	*	
* Cheminement 3									
1006	1005	Den	0.1	0.4857		-0.0	-0.11		
1005	1004	Den	0.1	-1.1716		-0.0	-0.04		
1004	1005	Den	0.1	1.1716		-0.0	-0.16		
1005	1006	Den	0.1	-0.4857		-0.1	-0.60		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\3002_1.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_08\20220308TV1.obs									
3002	1002	Ref	29.4	0.0010	10.2	0.5	0.35		106.0844
3002	2001	Hor	211.9	324.0625	-12.9	-0.1	-0.06		
3002	2004	Hor	135.4	55.4378	-190.4	-1.5	-1.41		

3002	1007		43.0	195.1979	65.8	1.9	1.53	
3002	JN0308	Hor	32.4	212.5674	49.4	0.4	1.53	
3002	JN0307	Hor	83.1	274.9093	-88.4	-0.2	-1.06	
3002	JN0314	Hor	60.9	344.5299	1.1	0.0	0.02	
3002	JN0306	Hor	54.5	351.1671	-15.9	-0.1	-0.29	
3002	JN0305	Hor	28.4	381.9921	-0.7	-0.0	-0.03	
3002	JN0304	Hor	19.8	387.3457	-0.1	-0.0	-0.01	
3002	JN0303	Hor	16.3	389.4613	-17.1	-0.4	-1.05	
3002	1002	Zen	33.4	104.0204	105.4	4.9	3.16	*
3002	2001	Zen	197.2	127.4730	27.8	0.1	0.14	
3002	2004	Zen	132.7	120.7091	161.7	1.3	1.22	
3002	1007	Zen	47.0	98.5830	224.7	6.4	4.78	*
3002	JN0308	Zen	36.4	101.4316	-122.9	-1.0	-3.38	*
3002	JN0307	Zen	83.4	120.0558	513.1	1.4	6.15	***
3002	JN0314	Zen	56.8	64.2805	0.5	0.0	0.01	
3002	JN0306	Zen	55.8	121.5161	233.2	1.0	4.18	*
3002	JN0305	Zen	32.2	108.5668	-23.3	-0.2	-0.72	
3002	JN0304	Zen	23.6	108.4803	190.1	3.2	8.04	***
3002	JN0303	Zen	20.3	106.4936	-223.7	-5.4	0.00	-----
3002	1002	Dist	1.0	29.7828		-1.2	-1.19	
3002	2001	Dist	1.0	3.4377		1.2	1.24	
3002	2004	Dist	1.0	5.2725		0.5	0.48	
3002	1007	Dist	1.0	18.1895		0.5	0.53	
3002	JN0308	Dist	2.0	5.2272		2.2	1.12	
3002	JN0307	Dist	2.0	1.7823		2.3	1.14	
3002	JN0314	Dist	2.0	2.8413		-0.2	-0.09	
3002	JN0306	Dist	2.0	2.9041		-0.9	-0.46	
3002	JN0305	Dist	2.0	6.2913		-3.2	-1.59	
3002	JN0304	Dist	2.0	10.9298		1.3	0.66	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\3002_2.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_08\20220308TV2.obs									
3002	1002	Ref	29.4	-0.0034	-33.8	-1.6	-1.15		106.0889
3002	1007	Hor	43.0	195.1935	-11.3	-0.3	-0.26		
3002	2001	Hor	211.9	324.0581	-156.8	-0.8	-0.74		
3002	2004	Hor	135.4	55.4334	-221.4	-1.7	-1.63		
3002	JN0309	Hor	13.7	201.8040	0.8	0.0	0.06		
3002	JS0309	Hor	13.6	181.2697	-3.5	-0.1	-0.25		
3002	JS0308	Hor	18.6	168.7526	31.2	0.3	1.67		
3002	JS0307	Hor	34.6	104.7738	-5.6	-0.0	-0.16		
3002	JN0120	Hor	25.8	318.9530	-7.4	-0.0	-0.29		
3002	1002	Zen	33.4	104.0354	19.7	0.9	0.59		
3002	1007	Zen	47.0	98.6075	146.6	4.2	3.12	*	
3002	2001	Zen	197.0	127.5906	-290.8	-1.4	-1.48		
3002	2004	Zen	132.7	120.7891	-170.8	-1.3	-1.29		
3002	JN0309	Zen	17.7	96.6665	-36.5	-0.6	-2.06		
3002	JS0309	Zen	17.5	96.7143	-162.4	-2.9	-9.25	***	
3002	JS0308	Zen	22.6	99.1453	-147.8	-1.4	-6.54	***	

3002	JS0307		37.3	119.7458	-120.5	-0.5	-3.23	*
3002	JN0120	Zen	29.8	94.4611	-62.9	-0.4	-2.11	
3002	1002	Dist	1.0	29.7833		-0.9	-0.95	
3002	1007	Dist	1.0	18.1894		0.1	0.08	
3002	2001	Dist	1.0	3.4407		0.7	0.67	
3002	2004	Dist	1.0	5.2747		0.2	0.22	
3002	JN0309	Dist	2.0	11.1216		-1.8	-0.91	
3002	JS0309	Dist	2.0	11.4746		-1.3	-0.66	
3002	JS0308	Dist	2.0	6.0011		0.7	0.37	
3002	JS0307	Dist	2.0	2.5165		-0.5	-0.25	
3002	JN0120	Dist	2.0	3.5863		-1.7	-0.86	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\3002_3.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_08\20220308TV3.obs									
3002	1002	Ref	29.4	0.0004	3.8	0.2	0.13		106.0851
3002	2001	Hor	211.9	324.0619	41.8	0.2	0.20		
3002	2004	Hor	135.4	55.4371	-298.8	-2.3	-2.21		
3002	1007	Hor	43.0	195.1973	-6.5	-0.2	-0.15		
3002	JS0314	Hor	28.3	48.3855	-39.6	-0.2	-1.40		
3002	JS0306	Hor	25.1	36.7958	-2.8	-0.0	-0.11		
3002	JS0305	Hor	17.4	14.0029	-0.7	-0.0	-0.04		
3002	JS0304	Hor	13.8	6.6274	-25.6	-0.4	-1.86		
3002	JS0303	Hor	12.1	3.1988	-13.8	-0.3	-1.14		
3002	JV0401	Hor	19.4	18.7782	-1.6	-0.0	-0.08		
3002	JV0402	Hor	19.9	379.3309	-7.4	-0.1	-0.37		
3002	JV0403	Hor	27.2	364.2133	8.4	0.0	0.31		
3002	JV0404	Hor	26.9	361.0392	-5.6	-0.0	-0.21		
3002	JV0411	Hor	28.9	14.4675	168.1	0.8	5.81	*	
3002	JV0405	Hor	25.8	33.8737	-8.9	-0.0	-0.35		
3002	JV0202	Hor	12.7	389.8391	0.5	0.0	0.04		
3002	JV0201	Hor	12.7	394.5287	20.5	0.4	1.61		
3002	JV0203	Hor	12.7	3.6832	-0.1	-0.0	-0.01		
3002	1002	Zen	33.4	104.0162	74.7	3.5	2.24		
3002	2001	Zen	197.2	127.4393	29.3	0.1	0.15		
3002	2004	Zen	132.8	120.6862	18.9	0.1	0.14		
3002	1007	Zen	47.0	98.5760	207.7	5.9	4.42	*	
3002	JS0314	Zen	30.3	70.9168	76.6	0.4	2.53		
3002	JS0306	Zen	28.6	114.6548	40.0	0.2	1.40		
3002	JS0305	Zen	21.2	110.8985	-0.5	-0.0	-0.02		
3002	JS0304	Zen	17.7	109.2694	-1.7	-0.0	-0.10		
3002	JS0303	Zen	16.1	108.1015	25.0	0.6	1.56		
3002	JV0401	Zen	22.9	118.9612	-18.8	-0.2	-0.82		
3002	JV0402	Zen	23.3	120.3794	-21.7	-0.2	-0.93		
3002	JV0403	Zen	30.9	89.3327	-29.2	-0.2	-0.94		
3002	JV0404	Zen	23.8	43.0984	-2.7	-0.0	-0.11		
3002	JV0411	Zen	21.2	29.0203	19.0	0.1	0.90		
3002	JV0405	Zen	24.0	47.0723	-0.7	-0.0	-0.03		
3002	JV0202	Zen	16.7	98.0830	-4.0	-0.1	-0.24		
3002	JV0201	Zen	16.6	85.3401	31.2	0.7	1.88		
3002	JV0203	Zen	16.7	98.7133	0.4	0.0	0.02		
3002	1002	Dist	1.0	29.7827		0.5	0.48		
3002	2001	Dist	1.0	3.4369		1.4	1.40		
3002	2004	Dist	1.0	5.2718		1.8	1.84		
3002	1007	Dist	1.0	18.1896		-0.2	-0.22		
3002	JS0314	Dist	2.0	3.4859		0.9	0.44		
3002	JS0306	Dist	2.0	3.8247		1.7	0.87		
3002	JS0305	Dist	2.0	6.9051		0.7	0.37		
3002	JS0304	Dist	2.0	11.0884		2.5	1.25		
3002	JS0303	Dist	2.0	15.6255		0.6	0.32		

3002	JV0401		2.0	5.8332	-0.7	-0.33	
3002	JV0402	Dist	2.0	5.6511	-0.3	-0.13	
3002	JV0403	Dist	2.0	3.3606	0.6	0.32	
3002	JV0404	Dist	2.0	5.3833	1.8	0.88	
3002	JV0411	Dist	2.0	6.9031	1.2	0.61	
3002	JV0405	Dist	2.0	5.2987	1.7	0.86	
3002	JV0202	Dist	2.0	13.4606	0.2	0.12	
3002	JV0201	Dist	2.0	13.7833	-0.1	-0.06	
3002	JV0203	Dist	2.0	13.5385	0.1	0.04	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\2001.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_08\20220308TV4.obs									
2001	2002	Ref	44.1	-0.0011	-10.7	-0.3	-0.24		93.1206
2001	2004	Hor	98.5	93.9837	-162.8	-1.8	-1.65		
2001	3002	Hor	211.9	137.0264	-59.0	-0.3	-0.28		
2001	JS0306	Hor	20.0	88.8299	-0.7	-0.0	-0.04		
2001	JS0314	Hor	20.3	99.1480	12.0	0.1	0.59		
2001	JS0307	Hor	19.7	128.6625	0.2	0.0	0.01		
2001	JS0101	Hor	16.5	103.9042	-1.3	-0.0	-0.08		
2001	JN0121	Hor	79.2	180.6710	4.1	0.0	0.05		
2001	JN0116	Hor	21.0	397.7121	-0.7	-0.0	-0.03		
2001	JN0118	Hor	21.7	5.1926	-0.1	-0.0	-0.01		
2001	2002	Zen	47.6	110.1433	3293.4	91.3	0.00	------	
2001	2004	Zen	99.9	115.2436	53.1	0.6	0.53		
2001	3002	Zen	196.9	127.6941	349.0	1.7	1.77		
2001	JS0306	Zen	23.8	110.7596	-38.9	-0.3	-1.63		
2001	JS0314	Zen	23.8	82.0119	-62.1	-0.5	-2.61		
2001	JS0307	Zen	23.5	109.1889	48.0	0.4	2.04		
2001	JS0101	Zen	20.5	103.0680	-0.4	-0.0	-0.02		
2001	JN0121	Zen	78.1	124.3660	67.5	0.1	0.87		
2001	JN0116	Zen	24.9	103.9974	-2.0	-0.0	-0.08		
2001	JN0118	Zen	24.6	126.3288	0.0	0.0	0.00		
2001	2002	Dist	1.0	17.8814		15.6	0.00	------	
2001	2004	Dist	1.0	7.2402		-0.2	-0.20		
2001	3002	Dist	1.0	3.4433		0.8	0.77		
2001	JS0306	Dist	2.0	5.3908		0.8	0.39		
2001	JS0314	Dist	2.0	5.3928		0.8	0.42		
2001	JS0307	Dist	2.0	5.5142		-0.2	-0.08		
2001	JS0101	Dist	2.0	7.4691		0.2	0.08		
2001	JN0121	Dist	2.0	0.9633		0.8	0.41		
2001	JN0116	Dist	2.0	4.9179		-0.1	-0.05		
2001	JN0118	Dist	2.0	5.0725		0.0	0.00		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\2002.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_08\20220308TV5.obs									
2002	2001	Ref	44.1	0.0034	33.9	0.9	0.77		293.1162
2002	BW02	Hor	18.5	176.7586	2.3	0.0	0.13		
2002	1002	Hor	56.9	246.1328	64.2	1.3	1.13		
2002	JN0121	Hor	11.4	399.0845	-0.7	-0.0	-0.06		
2002	JN0117	Hor	12.8	3.5946	-0.1	-0.0	-0.01		
2002	JN0110	Hor	13.2	1.5924	0.2	0.0	0.01		
2002	JN0109	Hor	13.2	9.0603	-0.1	-0.0	-0.01		
2002	JN0107	Hor	16.0	15.3857	-0.1	-0.0	-0.01		
2002	JN0105	Hor	24.0	22.5149	-0.7	-0.0	-0.03		

2002	JN0103		28.2	58.3168	-0.1	-0.0	-0.00	
2002	JN0102	Hor	40.9	103.5530	0.2	0.0	0.00	
2002	JN0101	Hor	50.3	212.8381	1.7	0.0	0.03	
2002	JS0302	Hor	16.5	313.1120	-9.2	-0.1	-0.56	
2002	JN0114	Hor	39.8	337.8976	-0.1	-0.0	-0.00	
2002	JN0115	Hor	15.0	4.3581	0.2	0.0	0.01	
2002	JN0106	Hor	18.4	9.7880	0.2	0.0	0.01	
2002	JN0104	Hor	32.2	1.0931	-0.1	-0.0	-0.00	
2002	2001	Zen	48.1	100.4364	-92.1	-2.6	-1.92	
2002	BW02	Zen	22.5	94.4435	-63.0	-0.6	-2.81	
2002	1002	Zen	60.9	102.7523	95.0	1.9	1.56	
2002	JN0121	Zen	15.4	96.6009	-60.8	-1.8	-3.94	*
2002	JN0117	Zen	16.8	102.4087	0.0	0.0	0.00	
2002	JN0110	Zen	17.2	94.5998	-1.0	-0.0	-0.06	
2002	JN0109	Zen	17.2	103.8316	0.0	0.0	0.00	
2002	JN0107	Zen	19.9	105.5745	-0.3	-0.0	-0.02	
2002	JN0105	Zen	27.6	114.1807	-0.5	-0.0	-0.02	
2002	JN0103	Zen	32.2	100.3745	-0.4	-0.0	-0.01	
2002	JN0102	Zen	40.1	134.7221	0.0	0.0	0.00	
2002	JN0101	Zen	48.5	66.0972	-0.6	-0.0	-0.01	
2002	JS0302	Zen	20.5	104.9865	113.4	1.3	5.54	*
2002	JN0114	Zen	41.2	125.9661	-1.1	-0.0	-0.03	
2002	JN0115	Zen	18.9	88.8466	0.0	0.0	0.00	
2002	JN0106	Zen	22.1	86.2390	-0.9	-0.0	-0.04	
2002	JN0104	Zen	32.7	65.3948	0.0	0.0	0.00	
2002	2001	Dist	1.0	17.6553		0.5	0.49	
2002	BW02	Dist	2.0	6.0916		-0.3	-0.16	
2002	1002	Dist	1.0	13.0185		-1.4	-1.35	
2002	JN0121	Dist	2.0	18.5360		1.2	0.58	
2002	JN0117	Dist	2.0	13.2904		0.0	0.00	
2002	JN0110	Dist	2.0	12.3010		0.1	0.06	
2002	JN0109	Dist	2.0	12.3127		-0.2	-0.11	
2002	JN0107	Dist	2.0	8.0355		2.6	1.30	
2002	JN0105	Dist	2.0	4.0736		-0.4	-0.20	
2002	JN0103	Dist	2.0	3.1562		-0.8	-0.39	
2002	JN0102	Dist	2.0	2.2630		0.0	0.00	
2002	JN0101	Dist	2.0	1.7462		0.2	0.09	
2002	JS0302	Dist	2.0	7.5230		0.1	0.04	
2002	JN0114	Dist	2.0	2.1810		-0.5	-0.24	
2002	JN0115	Dist	2.0	9.2204		0.0	0.00	
2002	JN0106	Dist	2.0	6.2879		-0.5	-0.26	
2002	JN0104	Dist	2.0	3.0770		0.0	0.00	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\P01.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_09\20220309PQ.obs								
P01	P02	Ref	30.2	-0.0062	-61.7	-2.8	-2.05	135.0684
P01	1001	Hor	80.6	213.6323	51.8	0.7	0.64	
P01	1002	Hor	29.0	40.1530	-29.9	-1.4	-1.03	
P01	P03	Hor	26.5	49.2190	8.4	0.5	0.32	
P01	G1	Hor	8.0	51.8991	6.9	0.2	0.86	
P01	3003	Hor	32.1	71.3278	-30.2	-1.3	-0.94	
P01	1009	Hor	58.4	107.2693	7.5	0.1	0.13	
P01	1010	Hor	39.0	61.6986	-49.6	-1.6	-1.27	
P01	JN0405	Hor	11.6	55.0609	5.7	0.2	0.49	
P01	JN0408	Hor	11.6	57.0747	-0.1	-0.0	-	

								0.01
P01	JN0407	Hor	11.6	83.7951	1.1	0.0	0.09	
P01	JN0412	Hor	12.5	89.0700	-2.2	-0.0	-0.18	
P01	JN0410	Hor	12.4	87.9913	0.2	0.0	0.02	
P01	P02	Zen	33.5	115.3990	61.3	2.8	1.83	
P01	1001	Zen	84.5	103.0551	8.0	0.1	0.09	
P01	1002	Zen	32.9	105.8488	88.4	4.2	2.69	
P01	P03	Zen	30.5	105.3155	4.5	0.2	0.15	
P01	G1	Zen	12.0	86.9624	-1.2	-0.0	-0.10	
P01	3003	Zen	35.2	82.8576	-20.1	-0.8	-0.57	
P01	1009	Zen	61.0	85.0486	52.3	1.0	0.86	
P01	1010	Zen	43.0	95.9336	17.6	0.6	0.41	
P01	JN0405	Zen	15.5	107.3573	10.0	0.3	0.65	
P01	JN0408	Zen	15.5	88.9892	18.8	0.5	1.21	
P01	JN0407	Zen	15.6	102.1333	5.3	0.1	0.34	
P01	JN0412	Zen	16.5	102.6399	15.2	0.3	0.92	
P01	JN0410	Zen	16.2	82.2328	-0.5	-0.0	-0.03	
P01	P02	Dist	1.0	29.5775		2.5	2.50	
P01	1001	Dist	1.0	8.7838		-0.2	-0.23	
P01	1002	Dist	1.0	30.4796		1.6	1.61	
P01	P03	Dist	1.0	34.4679		-5.1	-5.13	*
P01	G1	Dist	1.0	21.6378		-0.2	-0.15	
P01	3003	Dist	1.0	27.3976		-0.4	-0.43	
P01	1009	Dist	1.0	12.9997		0.7	0.67	
P01	1010	Dist	1.0	20.5627		0.2	0.24	
P01	JN0405	Dist	2.0	18.0456		1.1	0.54	
P01	JN0408	Dist	2.0	17.9971		-0.9	-0.44	
P01	JN0407	Dist	2.0	17.6431		-0.9	-0.44	
P01	JN0412	Dist	2.0	14.0788		-0.7	-0.34	
P01	JN0410	Dist	2.0	15.0463		-2.7	-1.36	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\1010.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_09\20220309PQ2.obs								
1010	P01	Ref	39.0	-0.0001	-0.7	-0.0	-0.02	396.7671
1010	G1	Hor	8.0	108.0774	1.1	0.0	0.14	
1010	1002	Hor	57.2	143.1359	36.3	0.7	0.63	
1010	3003	Hor	100.8	239.3961	18.1	0.2	0.18	
1010	1011	Hor	76.6	297.3029	-4.4	-0.1	-0.06	
1010	JN1108	Hor	39.2	130.2241	-7.4	-0.0	-0.19	
1010	JN1105	Hor	47.1	19.6635	-1.9	-0.0	-0.04	
1010	JN1106	Hor	26.6	334.3116	-0.7	-0.0	-0.03	
1010	JN1109	Hor	16.3	321.1122	0.5	0.0	0.03	
1010	JN1107	Hor	15.9	289.8583	-0.1	-0.0	-0.01	
1010	JN1101	Hor	16.5	276.8943	-0.1	-0.0	-0.01	
1010	JN1102	Hor	19.6	259.5179	-0.1	-0.0	-0.01	
1010	JN1103	Hor	32.1	248.0425	5.4	0.0	0.17	
1010	JN1104	Hor	29.8	183.6164	1.1	0.0	0.04	
1010	JV0105	Hor	20.3	230.8297	3.5	0.0	0.17	

1010	JV0104		21.5	233.0112	-18.9	-0.1	-0.88
1010	P01	Zen	42.8	107.5484	15.0	0.5	0.35
1010	G1	Zen	12.0	65.7234	-1.9	-0.0	-0.16
1010	1002	Zen	57.6	124.5083	166.5	3.4	2.89
1010	3003	Zen	88.2	61.3889	-49.4	-0.5	-0.56
1010	1011	Zen	79.6	110.5920	31.0	0.5	0.39
1010	JN1108	Zen	42.9	91.0062	-13.0	-0.0	-0.30
1010	JN1105	Zen	44.7	136.9125	-5.2	-0.0	-0.12
1010	JN1106	Zen	30.5	95.5806	-0.6	-0.0	-0.02
1010	JN1109	Zen	20.3	104.2059	-1.9	-0.0	-0.09
1010	JN1107	Zen	19.5	80.6685	-0.0	-0.0	-0.00
1010	JN1101	Zen	20.5	102.8761	0.0	0.0	0.00
1010	JN1102	Zen	22.8	75.9856	-0.0	-0.0	-0.00
1010	JN1103	Zen	34.8	120.3247	17.5	0.1	0.50
1010	JN1104	Zen	33.6	90.1598	-6.1	-0.0	-0.18
1010	JV0105	Zen	22.8	68.0848	-1.7	-0.0	-0.07
1010	JV0104	Zen	23.8	67.7247	-3.7	-0.0	-0.16
1010	P01	Dist	1.0	20.6659		0.4	0.40
1010	G1	Dist	1.0	3.8142		-0.8	-0.78
1010	1002	Dist	1.0	13.9557		2.7	2.70
1010	3003	Dist	1.0	8.3492		-0.8	-0.78
1010	1011	Dist	1.0	9.4156		0.6	0.56
1010	JN1108	Dist	2.0	2.0621		-2.4	-1.19
1010	JN1105	Dist	2.0	1.9460		-0.0	-0.00
1010	JN1106	Dist	2.0	3.4397		-0.3	-0.15
1010	JN1109	Dist	2.0	7.7108		0.8	0.40
1010	JN1107	Dist	2.0	8.4915		0.0	0.00
1010	JN1101	Dist	2.0	7.5312		0.2	0.10
1010	JN1102	Dist	2.0	5.9135		0.0	0.00
1010	JN1103	Dist	2.0	2.7877		-1.3	-0.67
1010	JN1104	Dist	2.0	2.9510		-0.5	-0.27
1010	JV0105	Dist	2.0	5.8909		-2.1	-1.03
1010	JV0104	Dist	2.0	5.3843		-1.7	-0.87

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niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_09\20220309PQ3.obs								
1011	G1	Ref	13.1	0.0009	9.3	0.2	0.71	96.8734
1011	1010	Hor	76.6	397.1967	-1.3	-0.0	-0.02	
1011	JN1108	Hor	13.7	2.9902	-16.8	-0.3	-1.22	
1011	JN1104	Hor	14.2	15.0201	0.5	0.0	0.03	
1011	JN1103	Hor	16.4	12.8055	6.0	0.1	0.36	
1011	JN1105	Hor	14.4	387.3913	2.3	0.0	0.16	
1011	1009	Hor	63.8	305.3680	1.1	0.0	0.02	
1011	JN1609	Hor	12.8	307.0284	-0.1	-0.0	-0.01	
1011	JN1510	Hor	12.6	302.4967	-2.2	-0.0	-0.18	
1011	JN1509	Hor	13.4	299.8384	0.2	0.0	0.01	
1011	JN1308	Hor	38.2	23.7032	0.8	0.0	0.02	
1011	JN1307	Hor	40.9	386.8146	0.5	0.0	0.01	
1011	JN1305	Hor	68.1	238.4512	0.5	0.0	0.01	
1011	JN1304	Hor	21.7	213.1829	0.2	0.0	0.01	
1011	JN1302	Hor	17.5	208.5672	-0.4	-0.0	-0.02	
1011	JN1303	Hor	17.3	199.1595	-1.3	-0.0	-0.08	
1011	BW04	Hor	10.0	205.4498	2.0	0.1	0.20	
1011	1008	Hor	54.6	204.8771	-5.6	-0.1	-0.10	
1011	G1	Zen	17.0	89.8597	29.7	0.6	1.74	
1011	1010	Zen	80.6	99.6139	14.7	0.2	0.18	
1011	JN1108	Zen	17.7	98.0135	6.5	0.1	0.37	
1011	JN1104	Zen	18.2	96.8492	6.1	0.1	0.34	
1011	JN1103	Zen	20.3	106.8129	-15.4	-0.2	-0.76	

1011	JN1105		18.4	106.4304	3.7	0.1	0.20	
1011	1009	Zen	67.7	96.4527	62.4	1.1	0.92	
1011	JN1609	Zen	16.7	92.8962	0.0	0.0	0.00	
1011	JN1510	Zen	16.6	97.2596	-8.5	-0.2	-0.51	
1011	JN1509	Zen	17.4	103.7317	-0.7	-0.0	-0.04	
1011	JN1308	Zen	38.7	130.8867	-0.3	-0.0	-0.01	
1011	JN1307	Zen	43.8	83.4474	-0.0	-0.0	-0.00	
1011	JN1305	Zen	50.2	156.0882	0.4	0.0	0.01	
1011	JN1304	Zen	25.7	97.4941	0.0	0.0	0.00	
1011	JN1302	Zen	21.4	110.2459	0.3	0.0	0.02	
1011	JN1303	Zen	21.3	92.5627	-14.7	-0.2	-0.69	
1011	BW04	Zen	14.0	98.0649	-9.1	-0.5	-0.65	
1011	1008	Zen	58.2	108.4520	26.6	0.6	0.46	
1011	G1	Dist	1.0	12.6861		0.1	0.09	
1011	1010	Dist	1.0	9.2857		0.7	0.71	
1011	JN1108	Dist	2.0	11.1115		0.0	0.02	
1011	JN1104	Dist	2.0	10.3216		1.1	0.56	
1011	JN1103	Dist	2.0	7.6641		-0.4	-0.20	
1011	JN1105	Dist	2.0	10.0146		0.6	0.32	
1011	1009	Dist	1.0	11.4343		-0.2	-0.18	
1011	JN1609	Dist	2.0	13.4365		0.0	0.00	
1011	JN1510	Dist	2.0	13.8104		-0.6	-0.30	
1011	JN1509	Dist	2.0	11.7049		-0.1	-0.04	
1011	JN1308	Dist	2.0	2.3806		1.1	0.56	
1011	JN1307	Dist	2.0	2.0025		0.0	0.00	
1011	JN1305	Dist	2.0	1.6646		-0.4	-0.19	
1011	JN1304	Dist	2.0	4.6553		0.3	0.14	
1011	JN1302	Dist	2.0	6.8074		0.4	0.18	
1011	JN1303	Dist	2.0	6.8809		6.9	3.43	*
1011	BW04	Dist	2.0	32.4353		-1.2	-0.59	
1011	1008	Dist	1.0	13.7905		1.5	1.53	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\1009.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_09\20220309HG.obs								
1009	1005	Ref	12.9	-0.0002	-1.6	-0.3	-0.13	261.2058
1009	1006	Hor	12.9	31.5548	-2.8	-0.6	-0.22	
1009	P01	Hor	58.4	181.1319	-0.7	-0.0	-0.01	
1009	1011	Hor	63.8	341.0356	7.8	0.1	0.12	
1009	1008	Hor	43.6	396.4479	16.3	0.5	0.37	
1009	1007	Hor	27.8	8.0294	13.5	0.7	0.49	
1009	BW04	Hor	9.9	19.5535	16.3	0.9	1.65	
1009	G3	Hor	8.0	378.9746	8.4	0.2	1.05	
1009	JN1606	Hor	40.4	152.3862	-17.7	-0.1	-0.44	
1009	JN1602	Hor	20.7	175.8002	-11.6	-0.1	-0.56	
1009	JN1603	Hor	22.6	193.5726	-13.5	-0.1	-0.60	
1009	JN1504	Hor	23.6	332.1449	1.1	0.0	0.05	
1009	JN1301	Hor	13.3	341.7575	-0.1	-0.0	-0.01	
1009	JN1506	Hor	14.9	349.1702	-9.8	-0.1	-0.66	
1009	JN1507	Hor	16.5	356.4718	-0.1	-0.0	-0.01	
1009	JN1508	Hor	26.2	366.4583	1.7	0.0	0.07	
1009	JN1903	Hor	14.1	372.3621	-13.5	-0.2	-0.95	
1009	JN1901	Hor	13.6	381.6098	-9.2	-0.2	-0.68	
1009	JN2010	Hor	12.9	392.2182	-9.8	-0.2	-0.76	
1009	JN2009	Hor	14.2	10.1034	-9.5	-0.2	-0.67	
1009	JN2007	Hor	14.6	16.8884	-7.7	-0.1	-0.53	
1009	JN2008	Hor	14.8	23.0427	7.5	0.1	0.50	
1009	JN2002	Hor	15.2	34.4571	6.9	0.1	0.45	
1009	JN2001	Hor	15.3	45.9721	6.0	0.1	0.39	
1009	JN1804	Hor	15.1	61.0983	-4.4	-0.1	-0.29	

1009	JN1802		15.4	73.7417	-1.9	-0.0	-0.13	
1009	JN1803	Hor	18.8	80.9590	-4.4	-0.0	-0.23	
1009	JN1801	Hor	24.5	96.2082	1.4	0.0	0.06	
1009	JN1510	Hor	34.0	124.6739	16.0	0.1	0.47	
1009	1005	Zen	16.9	99.5078	4.2	0.9	0.25	
1009	1006	Zen	16.9	99.6736	15.1	3.1	0.89	
1009	P01	Zen	61.0	114.9562	6.4	0.1	0.11	
1009	1011	Zen	67.7	103.5529	40.2	0.7	0.59	
1009	1008	Zen	47.6	103.5159	-38.2	-1.1	-0.80	
1009	1007	Zen	31.7	106.6237	124.6	6.3	3.93	*
1009	BW04	Zen	13.9	99.3553	1.8	0.1	0.13	
1009	G3	Zen	12.0	89.1728	-17.6	-0.3	-1.47	
1009	JN1606	Zen	41.7	73.7601	9.7	0.0	0.23	
1009	JN1602	Zen	24.7	103.7593	-6.9	-0.1	-0.28	
1009	JN1603	Zen	26.0	117.4367	-3.5	-0.0	-0.14	
1009	JN1504	Zen	26.9	118.7589	8.0	0.1	0.30	
1009	JN1301	Zen	17.3	102.8583	-0.0	-0.0	-0.00	
1009	JN1506	Zen	18.9	102.0140	-0.8	-0.0	-0.04	
1009	JN1507	Zen	20.4	109.9748	-0.3	-0.0	-0.02	
1009	JN1508	Zen	29.8	114.6600	5.2	0.0	0.17	
1009	JN1903	Zen	18.1	90.5039	-5.5	-0.1	-0.30	
1009	JN1901	Zen	17.5	106.9103	0.1	0.0	0.01	
1009	JN2010	Zen	16.8	107.8261	5.5	0.1	0.33	
1009	JN2009	Zen	18.1	110.8837	11.9	0.2	0.66	
1009	JN2007	Zen	18.4	111.8785	-0.4	-0.0	-0.02	
1009	JN2008	Zen	18.7	109.7083	-6.0	-0.1	-0.32	
1009	JN2002	Zen	19.1	111.4154	6.0	0.1	0.31	
1009	JN2001	Zen	19.2	106.9191	-10.0	-0.1	-0.52	
1009	JN1804	Zen	19.0	109.4188	-6.5	-0.1	-0.34	
1009	JN1802	Zen	19.4	91.4942	9.9	0.1	0.51	
1009	JN1803	Zen	22.7	108.6664	-1.4	-0.0	-0.06	
1009	JN1801	Zen	27.8	81.1476	11.5	0.1	0.41	
1009	JN1510	Zen	38.0	101.1309	4.7	0.0	0.12	
1009	1005	Dist	1.0	129.8433		0.3	0.30	
1009	1006	Dist	1.0	130.5149		-2.1	-2.13	
1009	P01	Dist	1.0	12.9999		0.9	0.90	
1009	1011	Dist	1.0	11.4344		0.4	0.38	
1009	1008	Dist	1.0	17.9044		0.4	0.40	
1009	1007	Dist	1.0	32.3039		0.4	0.44	
1009	BW04	Dist	2.0	34.3597		-0.3	-0.17	
1009	G3	Dist	1.0	12.4174		-0.6	-0.63	
1009	JN1606	Dist	2.0	2.1428		-0.7	-0.36	
1009	JN1602	Dist	2.0	5.0141		-0.9	-0.46	
1009	JN1603	Dist	2.0	4.5360		-0.0	-0.00	
1009	JN1504	Dist	2.0	4.2634		0.9	0.47	
1009	JN1301	Dist	2.0	12.0585		0.0	0.00	
1009	JN1506	Dist	2.0	9.2142		-0.8	-0.42	
1009	JN1507	Dist	2.0	7.5626		-4.4	-2.19	
1009	JN1508	Dist	2.0	3.5859		-0.6	-0.28	
1009	JN1903	Dist	2.0	10.5087		-0.3	-0.13	
1009	JN1901	Dist	2.0	11.4813		-0.7	-0.36	
1009	JN2010	Dist	2.0	13.2033		-0.2	-0.08	
1009	JN2009	Dist	2.0	10.4519		-0.1	-0.05	
1009	JN2007	Dist	2.0	9.8820		0.0	0.01	
1009	JN2008	Dist	2.0	9.4338		-0.2	-0.10	
1009	JN2002	Dist	2.0	9.0194		0.4	0.20	
1009	JN2001	Dist	2.0	8.8261		-0.4	-0.21	
1009	JN1804	Dist	2.0	9.0366		0.1	0.07	
1009	JN1802	Dist	2.0	8.6463		-2.2	-1.12	
1009	JN1803	Dist	2.0	5.9710		-0.5	-0.23	
1009	JN1801	Dist	2.0	4.0321		0.1	0.06	
1009	JN1510	Dist	2.0	2.4478		-0.2	-0.11	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_09\20220309HG1.obs									
1008	1006	Ref	13.5	0.0011	11.1	2.0	0.82		297.9204
1008	1009	Hor	43.6	159.7333	25.4	0.7	0.58		
1008	G3	Hor	8.0	191.4533	-3.1	-0.0	-0.39		
1008	JN1108	Hor	10.6	202.9843	30.2	1.2	2.86		
1008	1011	Hor	54.6	203.8302	29.6	0.6	0.54		
1008	P05	Hor	30.3	310.2205	-39.0	-1.7	-1.29		
1008	1007	Hor	50.7	385.2425	-46.3	-1.1	-0.91		
1008	1012	Hor	33.5	303.5669	-2.5	-0.1	-0.08		
1008	BW04	Hor	11.4	4.8202	-4.7	-0.1	-0.41		
1008	JV0411	Hor	15.5	244.3474	-71.8	-1.0	-4.63	*	
1008	JV0405	Hor	14.9	250.4772	1.7	0.0	0.11		
1008	JV0404	Hor	16.8	225.5234	13.2	0.2	0.79		
1008	JV0407	Hor	12.9	267.5283	1.1	0.0	0.09		
1008	JV0408	Hor	17.1	183.4326	6.6	0.1	0.38		
1008	JV0410	Hor	17.1	184.1288	1.1	0.0	0.06		
1008	JS0309	Hor	14.4	356.2447	-13.5	-0.2	-0.93		
1008	JS0308	Hor	17.4	318.5656	-20.1	-0.2	-1.16		
1008	JS0314	Hor	15.2	256.0310	31.5	0.4	2.07		
1008	1006	Zen	17.5	99.0877	34.9	6.3	1.99		
1008	1009	Zen	47.6	96.4843	-32.2	-0.9	-0.68		
1008	G3	Zen	12.0	73.3356	-32.2	-0.4	-2.69		
1008	JN1108	Zen	14.6	98.2090	6.6	0.3	0.45		
1008	1011	Zen	58.6	98.3681	37.9	0.8	0.65		
1008	P05	Zen	34.3	100.3736	55.9	2.5	1.63		
1008	1007	Zen	54.1	111.2724	282.8	6.6	5.23	*	
1008	1012	Zen	37.5	98.9249	12.8	0.5	0.34		
1008	BW04	Zen	15.4	95.4710	-6.1	-0.2	-0.40		
1008	JV0411	Zen	19.0	77.5259	-24.5	-0.3	-1.29		
1008	JV0405	Zen	18.9	94.2101	4.4	0.1	0.23		
1008	JV0404	Zen	20.7	90.1715	1.6	0.0	0.08		
1008	JV0407	Zen	16.7	86.2089	-1.8	-0.0	-0.11		
1008	JV0408	Zen	21.0	107.4294	-6.0	-0.1	-0.29		
1008	JV0410	Zen	20.6	78.6217	15.8	0.2	0.77		
1008	JS0309	Zen	18.2	115.5930	-26.1	-0.4	-1.43		
1008	JS0308	Zen	20.6	126.3296	53.7	0.6	2.61		
1008	JS0314	Zen	19.1	110.9555	20.4	0.3	1.07		
1008	1006	Dist	1.0	115.6778		-2.3	-2.35		
1008	1009	Dist	1.0	17.9044		0.4	0.40		
1008	G3	Dist	1.0	7.5976		0.6	0.61		
1008	JN1108	Dist	2.0	24.7824		0.4	0.21		
1008	1011	Dist	1.0	13.6737		0.2	0.17		
1008	P05	Dist	1.0	28.5341		1.1	1.13		
1008	1007	Dist	1.0	15.1391		0.1	0.08		
1008	1012	Dist	1.0	25.0044		-0.6	-0.57		
1008	BW04	Dist	2.0	18.7997		-0.8	-0.42		
1008	JV0411	Dist	2.0	9.0380		-0.5	-0.27		
1008	JV0405	Dist	2.0	9.2660		1.0	0.50		
1008	JV0404	Dist	2.0	7.3001		1.1	0.57		
1008	JV0407	Dist	2.0	13.4049		0.4	0.19		
1008	JV0408	Dist	2.0	7.0766		0.6	0.30		
1008	JV0410	Dist	2.0	7.4287		1.2	0.61		
1008	JS0309	Dist	2.0	10.1963		-0.7	-0.37		
1008	JS0308	Dist	2.0	7.4246		0.6	0.32		
1008	JS0314	Dist	2.0	8.9687		1.7	0.87		

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\Chateau_Thierry\Calcul_Comp3D\OBS\P04.OBS

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310HG.obs									
P04	1004	Ref	12.2	0.0022	22.0	5.3	1.81		272.5503
*5 P04 1005 5.6009 0.0008 0.0010 1.5470 0.9020 *obs terrain *obs terrain									
P04	1005	Hor	13.2	5.6015	5.7	1.1	0.43		
P04	P05	Hor	30.5	12.5180	-15.6	-0.7	-0.51		
P04	1012	Hor	33.8	18.9837	94.0	3.6	2.78		
P04	3001	Hor	28.8	379.7930	-20.1	-1.0	-0.70		
P04	1003	Hor	13.4	393.4138	-4.4	-0.8	-0.33		
P04	G2	Hor	8.0	51.3143	-8.0	-0.2	-1.00		
P04	2003	Hor	65.4	107.8322	139.2	2.4	2.13		
P04	1002	Hor	44.6	164.0424	32.7	0.9	0.73		
P04	P03	Hor	64.2	165.2661	117.1	2.1	1.82		
P04	JS0607	Hor	10.3	9.2390	-8.3	-0.4	-0.80		
P04	JS0606	Hor	10.7	18.0247	1.7	0.1	0.16		
P04	JS0611	Hor	10.7	19.4996	-7.4	-0.3	-0.69		
P04	JS0604	Hor	11.5	37.5855	-5.9	-0.2	-0.51		
P04	JS0603	Hor	12.1	47.3078	-0.1	-0.0	-0.01		
P04	JS0610	Hor	11.9	43.8778	0.8	0.0	0.07		
P04	JS0609	Hor	12.9	62.4729	0.8	0.0	0.06		
P04	JS0602	Hor	13.0	62.3868	0.5	0.0	0.04		
P04	JS0505	Hor	14.6	70.0150	-2.2	-0.0	-0.15		
P04	JS0508	Hor	14.7	84.6975	-1.6	-0.0	-0.11		
P04	JS0504	Hor	14.5	93.5567	0.2	0.0	0.01		
P04	JS0507	Hor	15.5	118.4527	2.3	0.0	0.15		
P04	JS0503	Hor	15.5	125.4354	0.8	0.0	0.05		
P04	JS0502	Hor	15.4	129.6997	1.1	0.0	0.07		
P04	JS0501	Hor	13.4	137.9668	0.5	0.0	0.04		
P04	1004	Zen	16.2	96.2102	3.2	0.8	0.20		
*6 P04 1005 95.0885 0.0012 0.0010 1.5470 0.9020 *obs terrain *obs terrain									
P04	1005	Zen	17.1	95.0878	-7.1	-1.4	-0.41		
P04	P05	Zen	33.6	81.7340	-18.0	-0.8	-0.54		
P04	1012	Zen	36.5	79.6824	-22.7	-0.9	-0.62		
P04	3001	Zen	32.7	107.6571	131.7	6.3	4.03	*	
P04	1003	Zen	17.4	99.8993	-6.8	-1.3	-0.39		
P04	G2	Zen	12.0	60.5004	-25.2	-0.6	-2.10		
P04	2003	Zen	67.4	83.1817	-194.9	-3.4	-2.89		
P04	1002	Zen	48.0	89.3975	159.9	4.4	3.33	*	
P04	P03	Zen	67.0	86.9378	-208.2	-3.7	-3.11	*	
P04	JS0607	Zen	14.3	90.9601	-12.8	-0.5	-0.89		
P04	JS0606	Zen	14.6	91.2318	0.6	0.0	0.04		
P04	JS0611	Zen	14.6	79.9515	5.4	0.2	0.37		
P04	JS0604	Zen	15.4	87.4051	1.5	0.0	0.10		

P04	JS0603	Zen	16.0	84.6025	-2.6	-0.1	-0.16	
P04	JS0610	Zen	15.5	71.2403	1.4	0.0	0.09	
P04	JS0609	Zen	15.8	57.1153	8.8	0.2	0.56	
P04	JS0602	Zen	16.8	81.9139	-9.7	-0.2	-0.58	
P04	JS0505	Zen	18.2	75.4540	5.9	0.1	0.32	
P04	JS0508	Zen	17.4	59.5376	-0.6	-0.0	-0.04	
P04	JS0504	Zen	18.2	79.6050	-7.9	-0.1	-0.43	
P04	JS0507	Zen	18.0	59.1847	-4.8	-0.1	-0.27	
P04	JS0503	Zen	18.9	73.6530	2.3	0.0	0.12	
P04	JS0502	Zen	19.3	88.3014	8.8	0.1	0.46	
P04	JS0501	Zen	17.2	82.2432	-1.7	-0.0	-0.10	
P04	1004	Dist	1.0	153.0208		-1.2	-1.20	

*3 P04 1005 123.9260 0.0010 0.0000 1.5470 0.9020 *obs terrain *obs terrain

P04	1005	Dist	1.0	123.8908		-0.8	-0.82	
P04	1012	Dist	1.0	26.0330		2.0	2.02	
P04	3001	Dist	1.0	30.7884		0.4	0.43	
P04	1003	Dist	1.0	117.6129		-0.6	-0.61	
P04	G2	Dist	1.0	18.4492		0.2	0.24	
P04	2003	Dist	1.0	11.4906		4.6	4.65	*
P04	1002	Dist	1.0	17.6609		-2.1	-2.10	
P04	P03	Dist	1.0	11.5760		-1.0	-1.00	
P04	JS0607	Dist	2.0	27.4495		-4.5	-2.27	
P04	JS0606	Dist	2.0	24.1167		0.2	0.09	
P04	JS0611	Dist	2.0	24.8131		0.1	0.07	
P04	JS0604	Dist	2.0	18.4678		-0.7	-0.34	
P04	JS0603	Dist	2.0	15.9496		-0.4	-0.18	
P04	JS0610	Dist	2.0	18.3158		-0.2	-0.12	
P04	JS0609	Dist	2.0	16.7046		0.1	0.04	
P04	JS0602	Dist	2.0	13.3017		0.7	0.33	
P04	JS0505	Dist	2.0	10.3320		-2.0	-1.00	
P04	JS0508	Dist	2.0	11.8008		-1.7	-0.84	
P04	JS0504	Dist	2.0	10.2764		-0.1	-0.04	
P04	JS0507	Dist	2.0	10.6152		0.2	0.12	
P04	JS0503	Dist	2.0	9.2737		0.2	0.10	
P04	JS0502	Dist	2.0	8.7437		-0.8	-0.39	
P04	JS0501	Dist	2.0	12.1755		0.0	0.01	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0

* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI.obs

S01	G1	Ref	8.0	0.0001	0.8	0.0	0.10	173.3642
S01	1002	Hor	26.7	393.2587	-31.7	-1.7	-1.19	

S01	1001	Hor	144.2	216.2166	-9.2	-0.1	-0.06		
S01	P01	Hor	118.6	343.0048	-17.7	-0.2	-0.15		
S01	JN0422	Hor	15.9	10.3716	5.0	0.1	0.32		
S01	JN0423	Hor	17.6	25.4138	-4.1	-0.0	-0.23		
S01	JN0424	Hor	17.2	29.8690	1.1	0.0	0.06		
S01	JN0425	Hor	17.1	40.8162	1.4	0.0	0.08		
S01	JN0426	Hor	17.0	54.9356	0.5	0.0	0.03		
S01	JN0427	Hor	16.7	15.1668	-3.1	-0.0	-0.19		
S01	JN0408	Hor	11.1	2.0473	3.8	0.1	0.35		
S01	G1	Zen	12.0	90.6676	2.1	0.1	0.18		
S01	1002	Zen	30.6	106.1222	92.0	4.9	3.01	*	
S01	1001	Zen	143.7	116.4218	35.5	0.3	0.25		
S01	P01	Zen	116.9	120.5526	250.8	2.3	2.15		
S01	JN0422	Zen	19.8	111.4168	-4.8	-0.1	-0.24		
S01	JN0423	Zen	21.5	109.6887	-0.4	-0.0	-0.02		
S01	JN0424	Zen	21.1	107.6529	-2.4	-0.0	-0.11		
S01	JN0425	Zen	21.1	93.6890	3.2	0.0	0.15		
S01	JN0426	Zen	20.9	105.7725	-5.9	-0.1	-0.28		
S01	JN0427	Zen	20.5	83.9225	-5.9	-0.1	-0.29		
S01	JN0408	Zen	15.1	92.9572	-12.3	-0.4	-0.81		
S01	G1	Dist	1.0	24.5671		-0.1	-0.08		
S01	1002	Dist	1.0	34.2875		0.5	0.52		
S01	P01	Dist	1.0	6.0705		1.5	1.46		
S01	JN0422	Dist	2.0	8.1497		0.2	0.09		
S01	JN0423	Dist	2.0	6.7337		0.2	0.11		
S01	JN0424	Dist	2.0	6.9666		0.1	0.05		
S01	JN0425	Dist	2.0	6.9984		-0.6	-0.28		
S01	JN0426	Dist	2.0	7.1179		-0.1	-0.05		
S01	JN0427	Dist	2.0	7.5298		-0.7	-0.37		
S01	JN0408	Dist	2.0	20.6998		-0.7	-0.33		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\S02.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI2.obs									
S02	G1	Ref	8.0	0.0004	4.1	0.1	0.52		178.2317
S02	1002	Hor	28.8	390.9712	-17.1	-0.8	-0.59		
S02	1001	Hor	88.7	191.6823	-0.1	-0.0	-0.00		
S02	P01	Hor	227.7	300.5769	-12.9	-0.1	-0.06		
S02	JN0422	Hor	19.8	31.2477	0.8	0.0	0.04		
S02	JN0423	Hor	20.7	57.8514	3.5	0.0	0.17		
S02	JN0424	Hor	19.6	60.9538	-1.0	-0.0	-0.05		
S02	JN0425	Hor	18.3	71.6664	-1.3	-0.0	-0.07		

S02	JN0426	Hor	17.0	83.8072	-0.4	-0.0	-0.02	
S02	JN0427	Hor	20.7	41.4657	1.4	0.0	0.07	
S02	JN0406	Hor	11.9	15.1793	-1.6	-0.0	-0.14	
S02	JN0408	Hor	11.7	3.4689	-5.0	-0.1	-0.43	
S02	G1	Zen	12.0	88.5893	-5.2	-0.2	-0.44	
S02	1002	Zen	32.7	106.3625	95.6	4.6	2.93	
S02	1001	Zen	92.1	108.1443	14.2	0.2	0.15	
S02	P01	Zen	201.3	133.8919	489.0	2.2	2.43	
S02	JN0422	Zen	23.5	114.2942	-7.4	-0.1	-0.31	
S02	JN0423	Zen	24.5	110.0670	1.1	0.0	0.05	
S02	JN0424	Zen	23.5	107.0999	2.5	0.0	0.10	
S02	JN0425	Zen	22.2	90.6882	-3.3	-0.0	-0.15	
S02	JN0426	Zen	20.9	103.8122	5.9	0.1	0.28	
S02	JN0427	Zen	23.7	74.6820	-6.9	-0.1	-0.29	
S02	JN0406	Zen	15.9	107.1905	-3.6	-0.1	-0.22	
S02	JN0408	Zen	15.6	90.8798	-12.4	-0.3	-0.80	
S02	G1	Dist	1.0	21.3549		-0.1	-0.09	
S02	1002	Dist	1.0	30.8049		0.4	0.36	
S02	1001	Dist	1.0	7.9525		0.5	0.46	
S02	P01	Dist	1.0	3.3635		1.5	1.47	
S02	JN0422	Dist	2.0	5.5469		-0.6	-0.31	
S02	JN0423	Dist	2.0	5.0939		-0.1	-0.05	
S02	JN0424	Dist	2.0	5.5417		-0.8	-0.42	
S02	JN0425	Dist	2.0	6.2527		-0.3	-0.14	
S02	JN0426	Dist	2.0	7.1156		-0.4	-0.20	
S02	JN0427	Dist	2.0	5.4226		-0.4	-0.19	
S02	JN0406	Dist	2.0	16.3803		7.8	3.88	*
S02	JN0408	Dist	2.0	17.5387		-0.3	-0.14	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\S03.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI3.obs									
S03	1002	Ref	35.5	-0.0027	-27.1	-1.0	-0.76		174.5993
S03	P03	Hor	31.4	11.5511	-26.5	-1.1	-0.84		
S03	G1	Hor	8.0	17.3183	6.3	0.1	0.78		
S03	1001	Hor	48.9	186.9356	15.1	0.4	0.31		
S03	P01	Hor	96.4	202.6328	25.4	0.3	0.26		
S03	JN0405	Hor	13.8	23.9583	-8.9	-0.2	-0.65		
S03	JN0406	Hor	13.8	46.5021	-1.3	-0.0	-0.10		
S03	JN0407	Hor	13.0	66.6738	-1.3	-0.0	-0.10		

S03	JN0408		13.9	27.3782	0.8	0.0	0.06	
S03	JN0409	Hor	13.3	71.0285	1.1	0.0	0.08	
S03	JN0410	Hor	14.2	79.1982	0.8	0.0	0.06	
S03	JN0411	Hor	15.6	97.0854	0.2	0.0	0.01	
S03	JN0412	Hor	14.4	81.7268	1.1	0.0	0.08	
S03	JN0420	Hor	17.8	103.8117	0.8	0.0	0.04	
S03	JN0421	Hor	18.9	127.8558	-1.3	-0.0	-0.07	
S03	JN0422	Hor	18.5	130.0925	2.9	0.0	0.16	
S03	JN0423	Hor	15.9	137.6566	-1.9	-0.0	-0.12	
S03	JN0427	Hor	17.3	135.0275	-3.8	-0.0	-0.22	
S03	JN0428	Hor	18.6	113.7989	-0.7	-0.0	-0.04	
S03	1002	Zen	39.4	105.9457	124.1	4.5	3.15	*
S03	P03	Zen	35.3	106.3956	-12.2	-0.5	-0.35	
S03	G1	Zen	12.0	79.4897	-29.0	-0.6	-2.42	
S03	1001	Zen	52.9	100.4506	11.8	0.3	0.22	
S03	P01	Zen	99.9	107.0720	233.2	2.6	2.33	
S03	JN0405	Zen	17.7	110.1817	-8.2	-0.1	-0.46	
S03	JN0406	Zen	17.8	105.4416	0.6	0.0	0.03	
S03	JN0407	Zen	17.0	101.4033	0.9	0.0	0.05	
S03	JN0408	Zen	17.6	80.6342	-0.0	-0.0	-0.00	
S03	JN0409	Zen	16.9	77.2505	7.4	0.1	0.44	
S03	JN0410	Zen	17.7	73.8259	2.5	0.0	0.14	
S03	JN0411	Zen	19.6	101.8534	1.0	0.0	0.05	
S03	JN0412	Zen	18.4	101.7370	-10.4	-0.2	-0.57	
S03	JN0420	Zen	21.8	103.0566	3.1	0.0	0.14	
S03	JN0421	Zen	22.9	102.9557	0.1	0.0	0.00	
S03	JN0422	Zen	22.5	103.4603	12.3	0.1	0.55	
S03	JN0423	Zen	19.8	99.1977	-0.7	-0.0	-0.04	
S03	JN0427	Zen	20.5	73.7167	13.1	0.1	0.64	
S03	JN0428	Zen	21.3	68.1789	-3.0	-0.0	-0.14	
S03	1002	Dist	1.0	23.2595		0.8	0.81	
S03	P03	Dist	1.0	27.3438		1.8	1.83	
S03	G1	Dist	1.0	14.8803		0.3	0.29	
S03	1001	Dist	1.0	15.5763		0.3	0.30	
S03	P01	Dist	1.0	7.2423		1.3	1.27	
S03	JN0405	Dist	2.0	11.1126		0.6	0.30	
S03	JN0406	Dist	2.0	11.0321		0.1	0.05	
S03	JN0407	Dist	2.0	12.7023		0.3	0.15	
S03	JN0408	Dist	2.0	11.3792		-0.3	-0.14	
S03	JN0409	Dist	2.0	12.8628		-0.2	-0.11	
S03	JN0410	Dist	2.0	11.1497		-0.3	-0.15	
S03	JN0411	Dist	2.0	8.3450		-0.0	-0.02	
S03	JN0412	Dist	2.0	9.9891		-0.9	-0.47	
S03	JN0420	Dist	2.0	6.4846		-0.4	-0.19	
S03	JN0421	Dist	2.0	5.8453		0.8	0.40	
S03	JN0422	Dist	2.0	6.0862		-6.3	-3.13	*

S03	JN0423		2.0	8.1099		0.9	0.46	
S03	JN0427	Dist	2.0	7.4883		-1.2	-0.62	
S03	JN0428	Dist	2.0	6.8110		0.0	0.02	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI4.obs									
S04	P03	Ref	41.2	-0.0044	-43.8	-1.3	-1.06		190.3716
S04	1002	Hor	50.5	383.3260	-37.1	-0.9	-0.74		
S04	G1	Hor	8.0	21.4254	-2.2	-0.0	-0.28		
S04	1001	Hor	35.0	176.2196	12.9	0.5	0.37		
S04	P01	Hor	49.4	186.3339	8.4	0.2	0.17		
S04	JN0405	Hor	22.7	53.2311	6.0	0.0	0.26		
S04	JN0406	Hor	16.9	84.1631	7.5	0.1	0.44		
S04	JN0407	Hor	13.8	94.9366	0.2	0.0	0.01		
S04	JN0408	Hor	21.7	60.4912	0.2	0.0	0.01		
S04	JN0409	Hor	13.8	101.1188	3.8	0.1	0.28		
S04	JN0410	Hor	14.0	114.6284	2.6	0.0	0.19		
S04	JN0411	Hor	13.7	132.9363	-4.7	-0.1	-0.34		
S04	JN0412	Hor	13.9	117.2855	4.1	0.1	0.30		
S04	JN0420	Hor	14.0	144.0848	-5.3	-0.1	-0.38		
S04	JN0421	Hor	13.4	155.9147	-0.1	-0.0	-0.01		
S04	JN0428	Hor	13.8	150.0853	-0.7	-0.0	-0.05		
S04	JS0402	Hor	11.8	15.7962	7.5	0.2	0.63		
S04	JS0403	Hor	12.0	18.0481	-4.7	-0.1	-0.39		
S04	P03	Zen	45.0	107.5790	2.8	0.1	0.06		
S04	1002	Zen	54.2	107.2743	205.9	4.8	3.80	*	
S04	G1	Zen	12.0	57.2385	9.7	0.1	0.81		
S04	1001	Zen	39.0	99.0841	2.0	0.1	0.05		
S04	P01	Zen	53.4	101.4602	106.9	2.6	2.00		
S04	JN0405	Zen	26.1	118.8610	-5.5	-0.0	-0.21		
S04	JN0406	Zen	20.9	104.3885	1.0	0.0	0.05		
S04	JN0407	Zen	17.8	99.0105	-5.0	-0.1	-0.28		
S04	JN0408	Zen	22.6	55.7950	3.4	0.0	0.15		
S04	JN0409	Zen	17.3	73.0780	-13.4	-0.2	-0.78		
S04	JN0410	Zen	17.4	72.5434	-5.9	-0.1	-0.34		
S04	JN0411	Zen	17.7	98.8290	-5.2	-0.1	-0.29		
S04	JN0412	Zen	17.9	98.9524	-5.4	-0.1	-0.30		
S04	JN0420	Zen	18.0	99.1669	-1.7	-0.0	-0.09		
S04	JN0421	Zen	17.4	99.0359	-2.1	-0.0	-0.12		
S04	JN0428	Zen	17.5	79.2888	0.8	0.0	0.05		
S04	JS0402	Zen	15.8	110.6783	6.9	0.2	0.44		
S04	JS0403	Zen	16.0	91.0046	-19.9	-0.5	-1.24		
S04	P03	Dist	1.0	19.3005		1.5	1.50		

S04	1002		1.0	15.0777	0.7	0.68	
S04	G1	Dist	1.0	8.2942	0.2	0.22	
S04	1001	Dist	1.0	23.6184	0.4	0.41	
S04	P01	Dist	1.0	15.3842	1.2	1.23	
S04	JN0405	Dist	2.0	4.5201	0.1	0.04	
S04	JN0406	Dist	2.0	7.1396	0.6	0.30	
S04	JN0407	Dist	2.0	10.9431	0.6	0.31	
S04	JN0408	Dist	2.0	6.0298	-1.2	-0.62	
S04	JN0409	Dist	2.0	12.0598	-0.2	-0.08	
S04	JN0410	Dist	2.0	11.7359	0.4	0.21	
S04	JN0411	Dist	2.0	11.2614	0.4	0.20	
S04	JN0412	Dist	2.0	10.7891	0.6	0.31	
S04	JN0420	Dist	2.0	10.6087	0.7	0.35	
S04	JN0421	Dist	2.0	11.8039	0.4	0.21	
S04	JN0428	Dist	2.0	11.6215	0.0	0.02	
S04	JS0402	Dist	2.0	16.9419	0.9	0.44	
S04	JS0403	Dist	2.0	15.9237	0.7	0.35	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310HG1.obs									
P03	1003	Ref	13.0	-0.0027	-26.5	-5.3	-2.04		263.5534
P03	P05	Hor	25.0	8.4087	8.7	0.5	0.35		
P03	2003	Hor	73.1	44.1327	361.1	5.5	4.94	*	
P03	G1	Hor	8.0	116.4342	9.9	0.2	1.24		
P03	1002	Hor	112.5	170.7613	-48.1	-0.5	-0.43		
P03	P02	Hor	34.2	182.3752	-53.5	-2.0	-1.57		
P03	P04	Hor	64.2	374.2630	24.8	0.4	0.39		
P03	3001	Hor	23.3	384.8720	-14.1	-0.9	-0.60		
P03	P01	Hor	26.5	120.7340	29.0	1.6	1.09		
P03	JS0611	Hor	10.0	11.4344	7.2	0.4	0.72		
P03	JS0607	Hor	9.7	5.6034	7.5	0.4	0.77		
P03	JS0606	Hor	10.0	10.5427	-1.6	-0.1	-0.16		
P03	JS0605	Hor	10.2	15.3659	1.4	0.1	0.14		
P03	JS0604	Hor	10.5	19.7043	6.3	0.2	0.59		
P03	JS0505	Hor	12.5	20.8793	1.4	0.0	0.11		
P03	JS0510	Hor	12.6	22.0360	-0.1	-0.0	-0.01		
P03	JS0508	Hor	13.1	26.3607	2.0	0.0	0.15		
P03	JS0502	Hor	18.4	28.0557	-0.4	-0.0	-0.02		
P03	JS0501	Hor	21.0	65.3227	-0.1	-0.0	-0.01		
P03	JS0506	Hor	20.1	42.9606	0.2	0.0	0.01		
P03	JS0509	Hor	21.3	57.7081	0.2	0.0	0.01		
P03	JS0402	Hor	20.6	66.7153	6.9	0.1	0.33		
P03	JS0403	Hor	18.7	73.9320	5.4	0.1	0.29		
P03	JS0401	Hor	15.9	81.1495	10.5	0.1	0.66		
P03	JV0104	Hor	13.0	83.4174	-28.6	-0.6	-2.21		
P03	JV0103	Hor	12.9	84.9785	-5.6	-0.1	-0.43		
P03	JV0102	Hor	12.8	84.9109	-5.9	-0.1	-0.46		

P03	JN0302	Hor	13.0	90.2732	-18.0	-0.4	-1.38	
P03	JN0320	Hor	13.2	93.2168	-0.1	-0.0	-0.01	
P03	1003	Zen	17.0	101.0790	0.7	0.1	0.04	
P03	P05	Zen	28.8	89.8850	-43.3	-2.6	-1.51	
P03	2003	Zen	77.0	95.8012	-325.0	-5.0	-4.22	*
P03	G1	Zen	12.0	67.2973	-14.7	-0.3	-1.22	
P03	1002	Zen	116.1	94.0250	458.8	4.4	3.95	*
P03	P02	Zen	38.0	107.3635	-44.1	-1.7	-1.16	
P03	P04	Zen	67.0	113.0408	-6.1	-0.1	-0.09	
P03	3001	Zen	27.1	109.1695	45.9	3.0	1.69	
P03	P01	Zen	30.5	96.4093	37.5	2.0	1.23	
P03	JS0611	Zen	14.0	89.5568	-14.2	-0.7	-1.02	
P03	JS0607	Zen	13.7	97.3421	-1.0	-0.1	-0.08	
P03	JS0606	Zen	13.9	98.1346	-8.4	-0.4	-0.60	
P03	JS0605	Zen	14.2	98.4212	-10.8	-0.5	-0.76	
P03	JS0604	Zen	14.5	96.7661	-2.2	-0.1	-0.15	
P03	JS0505	Zen	16.4	93.1999	-7.6	-0.2	-0.46	
P03	JS0510	Zen	16.0	66.3824	0.0	0.0	0.00	
P03	JS0508	Zen	16.8	77.1679	-1.4	-0.0	-0.08	
P03	JS0502	Zen	22.4	107.8682	-8.5	-0.1	-0.38	
P03	JS0501	Zen	24.7	87.2521	1.7	0.0	0.07	
P03	JS0506	Zen	20.7	50.9288	-0.0	-0.0	-0.00	
P03	JS0509	Zen	18.6	33.3808	1.2	0.0	0.06	
P03	JS0402	Zen	24.5	106.7116	-3.5	-0.0	-0.14	
P03	JS0403	Zen	20.5	58.6625	0.7	0.0	0.03	
P03	JS0401	Zen	19.8	92.7264	-5.4	-0.1	-0.27	
P03	JV0104	Zen	16.2	64.0417	5.0	0.1	0.31	
P03	JV0103	Zen	16.4	71.9060	4.4	0.1	0.27	
P03	JV0102	Zen	16.8	103.2560	-5.1	-0.1	-0.30	
P03	JN0302	Zen	17.0	98.8452	-13.4	-0.3	-0.79	
P03	JN0320	Zen	17.2	101.4337	-2.0	-0.0	-0.11	
P03	1003	Dist	1.0	127.9664		-0.6	-0.61	
P03	P05	Dist	1.0	37.9522		0.2	0.22	
P03	2003	Dist	1.0	9.7998		-0.7	-0.70	
P03	G1	Dist	1.0	15.1688		0.8	0.79	
P03	1002	Dist	1.0	6.1163		-0.7	-0.73	
P03	P02	Dist	1.0	24.5077		-0.8	-0.81	
P03	P04	Dist	1.0	11.5752		-1.8	-1.82	

P03	3001		1.0	42.1205		-1.5	1.54	
P03	P01	Dist	1.0	34.4025		1.5	1.51	
P03	JS0611	Dist	2.0	32.6444		-1.6	-0.79	
P03	JS0607	Dist	2.0	36.6593		-2.7	-1.35	
P03	JS0606	Dist	2.0	32.6486		-1.4	-0.69	
P03	JS0605	Dist	2.0	28.4298		-0.7	-0.34	
P03	JS0604	Dist	2.0	25.1165		-2.0	-0.99	
P03	JS0505	Dist	2.0	14.3619		-1.6	-0.78	
P03	JS0510	Dist	2.0	15.9388		-0.2	-0.09	
P03	JS0508	Dist	2.0	13.2503		-0.7	-0.36	
P03	JS0502	Dist	2.0	6.1390		0.5	0.27	
P03	JS0501	Dist	2.0	5.0155		1.0	0.49	
P03	JS0506	Dist	2.0	7.3230		0.0	0.00	
P03	JS0509	Dist	2.0	9.5875		0.5	0.23	
P03	JS0402	Dist	2.0	5.0947		0.7	0.37	
P03	JS0403	Dist	2.0	7.4999		0.9	0.45	
P03	JS0401	Dist	2.0	8.1473		0.3	0.16	
P03	JV0104	Dist	2.0	15.1554		-0.1	-0.03	
P03	JV0103	Dist	2.0	14.4994		-1.6	-0.80	
P03	JV0102	Dist	2.0	13.2957		-1.3	-0.65	
P03	JN0302	Dist	2.0	12.6934		0.9	0.44	
P03	JN0320	Dist	2.0	12.3155		1.0	0.48	

* Station n°2 P03
* Temperature : 12.0 °C - Pression : 760.1 mmHg - Correction meteo : 0.0 ppm
* Date/heure debut :
* Date/heure fin :
* Numero de cycle : 0

P03	1003	Ref	13.0	-0.0021	-21.1	-4.2	-1.62		263.5529
P03	JN0301	Hor	13.6	99.7679	9.0	0.2	0.66		
P03	JN0310	Hor	13.3	95.1023	-0.1	-0.0	-0.01		
P03	JN0404	Hor	13.5	105.6110	1.1	0.0	0.08		
P03	JN0403	Hor	13.2	110.5767	2.0	0.0	0.15		
P03	JN0401	Hor	13.7	102.2872	1.1	0.0	0.08		
P03	JN0402	Hor	12.9	115.1145	3.8	0.1	0.30		
P03	BW02	Hor	12.1	127.9423	4.4	0.1	0.37		
P03	1003	Zen	17.0	101.0790	-1.3	-0.3	-0.08		
P03	JN0301	Zen	17.6	100.0834	-30.4	-0.5	-1.73		
P03	JN0310	Zen	16.9	76.3614	0.0	0.0	0.00		
P03	JN0404	Zen	16.9	69.8688	7.3	0.1	0.43		
P03	JN0403	Zen	17.0	79.2314	7.0	0.1	0.41		
P03	JN0401	Zen	17.6	107.8886	-2.7	-0.0	-0.15		
P03	JN0402	Zen	16.9	108.1652	0.4	0.0	0.02		
P03	BW02	Zen	16.1	94.9917	81.0	2.0	5.05	*	
P03	1003	Dist	1.0	127.9664		-0.6	-0.61		
P03	JN0301	Dist	2.0	11.4151		1.1	0.55		
P03	JN0310	Dist	2.0	12.8615		0.0	0.00		

P03	JN0404		2.0	12.9000	1.0	0.52	
P03	JN0403	Dist	2.0	12.8032	1.2	0.62	
P03	JN0401	Dist	2.0	11.3363	0.8	0.39	
P03	JN0402	Dist	2.0	13.0091	1.6	0.82	
P03	BW02	Dist	2.0	15.6999	0.4	0.20	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\S05.OBS

niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI5.obs									
S05	P04	Ref	41.0	-0.0015	-15.3	-0.5	-0.37		225.9595
S05	1002	Hor	184.9	340.4541	104.9	0.6	0.57		
S05	P02	Hor	43.8	236.3073	-51.1	-1.4	-1.17		
S05	G1	Hor	8.0	116.3394	4.1	0.0	0.52		
S05	P01	Hor	31.8	150.4411	-2.8	-0.1	-0.09		
S05	JS0401	Hor	15.8	49.0174	-16.5	-0.2	-1.04		
S05	JS0402	Hor	15.6	22.9792	-7.1	-0.1	-0.45		
S05	JS0403	Hor	15.9	31.1342	-2.2	-0.0	-0.14		
S05	JS0301	Hor	15.8	49.4368	-7.1	-0.1	-0.45		
S05	JS0302	Hor	14.4	54.3102	-0.7	-0.0	-0.05		
S05	JS0320	Hor	14.6	53.6913	-5.0	-0.1	-0.34		
S05	JV0101	Hor	13.6	59.6843	-0.1	-0.0	-0.01		
S05	JV0102	Hor	13.8	78.8377	5.0	0.1	0.37		
S05	JV0103	Hor	13.9	78.2749	4.1	0.1	0.30		
S05	JV0104	Hor	13.9	75.6701	25.4	0.4	1.83		
S05	JV0105	Hor	13.9	72.8028	-2.8	-0.0	-0.20		
S05	JV0106	Hor	13.8	67.2112	-0.1	-0.0	-0.01		
S05	JN0401	Hor	16.9	85.9159	-1.3	-0.0	-0.08		
S05	JN0402	Hor	17.4	112.6094	-3.8	-0.0	-0.22		
S05	JN0403	Hor	17.5	101.4493	-2.8	-0.0	-0.16		
S05	JN0404	Hor	17.2	91.0755	-2.8	-0.0	-0.17		
S05	P04	Zen	44.5	110.5575	2.7	0.1	0.06		
S05	1002	Zen	188.3	105.3689	795.4	4.5	4.22	*	
S05	P02	Zen	47.0	113.0665	-43.6	-1.2	-0.93		
S05	G1	Zen	12.0	51.3330	19.6	0.2	1.63		
S05	P01	Zen	35.7	97.4778	66.5	2.8	1.86		
S05	JS0401	Zen	19.8	99.5962	4.3	0.1	0.21		
S05	JS0402	Zen	19.5	110.6515	-5.4	-0.1	-0.28		
S05	JS0403	Zen	19.2	72.8197	26.2	0.3	1.37		
S05	JS0301	Zen	19.6	115.2089	-23.4	-0.3	-1.20		
S05	JS0302	Zen	18.3	104.8446	-40.0	-0.6	-2.18		
S05	JS0320	Zen	18.5	106.4409	-9.9	-0.2	-0.53		

S05	JV0101		17.6	89.2842	0.0	0.0	0.00
S05	JV0102	Zen	17.8	108.9859	5.4	0.1	0.31
S05	JV0103	Zen	17.3	70.9288	-6.6	-0.1	-0.38
S05	JV0104	Zen	16.9	62.3968	-3.0	-0.1	-0.17
S05	JV0105	Zen	16.8	61.6494	-1.4	-0.0	-0.08
S05	JV0106	Zen	17.5	79.0444	-0.0	-0.0	-0.00
S05	JN0401	Zen	20.4	119.5385	2.0	0.0	0.10
S05	JN0402	Zen	20.8	122.8918	-1.2	-0.0	-0.06
S05	JN0403	Zen	20.5	71.5139	-4.9	-0.1	-0.24
S05	JN0404	Zen	19.5	60.0909	-4.9	-0.1	-0.25
S05	P04	Dist	1.0	19.5785		0.5	0.51
S05	1002	Dist	1.0	3.6112		1.2	1.15
S05	P02	Dist	1.0	18.1823		-1.7	-1.70
S05	G1	Dist	1.0	9.5016		-0.4	-0.40
S05	P01	Dist	1.0	26.8128		-0.2	-0.22
S05	JS0401	Dist	2.0	8.1122		1.2	0.60
S05	JS0402	Dist	2.0	8.4879		1.9	0.95
S05	JS0403	Dist	2.0	8.8324		0.9	0.44
S05	JS0301	Dist	2.0	8.4086		0.1	0.03
S05	JS0302	Dist	2.0	10.0388		0.8	0.40
S05	JS0320	Dist	2.0	9.7691		0.6	0.28
S05	JV0101	Dist	2.0	11.4490		0.0	0.00
S05	JV0102	Dist	2.0	11.0682		-2.8	-1.42
S05	JV0103	Dist	2.0	12.0549		-2.1	-1.06
S05	JV0104	Dist	2.0	12.9910		-1.5	-0.74
S05	JV0105	Dist	2.0	13.1510		-1.5	-0.74
S05	JV0106	Dist	2.0	11.5850		0.0	0.00
S05	JN0401	Dist	2.0	7.5419		0.9	0.45
S05	JN0402	Dist	2.0	7.2221		1.1	0.56
S05	JN0403	Dist	2.0	7.4554		1.4	0.68
S05	JN0404	Dist	2.0	8.5280		1.5	0.75

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\S06.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI6.obs								
S06	P04	Ref	32.8	-0.0030	-30.5	-1.2	-0.93	214.8989
S06	P03	Hor	48.9	383.4953	-43.8	-1.1	-0.90	
S06	1002	Hor	66.3	364.2330	-47.5	-0.8	-0.72	
S06	P02	Hor	46.1	274.7345	-29.9	-0.8	-0.65	
S06	G1	Hor	8.0	41.5682	-0.4	-0.0	-0.05	
S06	P01	Hor	40.7	158.1267	10.2	0.3	0.25	
S06	1001	Hor	30.9	150.6148	7.2	0.3	0.23	
S06	JS0401	Hor	13.4	17.5693	14.8	0.3	1.10	

S06	JS0402	Hor	12.6	4.2516	-0.7	-0.0	-0.06	
S06	JS0403	Hor	12.9	7.8460	2.9	0.1	0.23	
S06	JS0301	Hor	13.4	17.9872	-4.1	-0.1	-0.30	
S06	JS0302	Hor	12.9	26.4937	3.5	0.1	0.27	
S06	JS0310	Hor	13.1	23.3379	-0.1	-0.0	-0.01	
S06	JS0320	Hor	13.0	25.2732	-1.0	-0.0	-0.08	
S06	JN0405	Hor	20.2	85.3954	-0.4	-0.0	-0.02	
S06	JN0409	Hor	12.7	94.1025	-4.1	-0.1	-0.32	
S06	JN0410	Hor	12.6	104.8574	-4.4	-0.1	-0.35	
S06	JN0411	Hor	12.3	118.0382	5.0	0.1	0.41	
S06	JN0412	Hor	12.5	106.7268	-6.5	-0.1	-0.52	
S06	JN0420	Hor	12.4	126.5811	5.0	0.1	0.41	
S06	JN0421	Hor	12.0	134.8282	1.4	0.0	0.12	
S06	JN0428	Hor	12.2	130.7698	0.5	0.0	0.04	
S06	P04	Zen	36.4	110.9044	8.2	0.3	0.22	
S06	P03	Zen	52.5	108.4696	1.0	0.0	0.02	
S06	1002	Zen	69.7	108.7497	268.8	4.6	3.86	*
S06	P02	Zen	48.6	118.2233	-22.6	-0.6	-0.46	
S06	G1	Zen	12.0	46.1948	-4.3	-0.0	-0.36	
S06	P01	Zen	44.7	100.4754	87.4	2.7	1.95	
S06	1001	Zen	34.9	98.7463	5.0	0.2	0.14	
S06	JS0401	Zen	17.3	106.1887	2.2	0.0	0.13	
S06	JS0402	Zen	16.5	111.8839	3.9	0.1	0.24	
S06	JS0403	Zen	16.8	88.2126	-8.6	-0.2	-0.51	
S06	JS0301	Zen	17.2	116.7560	-6.9	-0.1	-0.40	
S06	JS0302	Zen	16.9	109.6295	-18.1	-0.4	-1.07	
S06	JS0310	Zen	17.0	87.6566	0.0	0.0	0.00	
S06	JS0320	Zen	16.9	110.8520	-8.1	-0.2	-0.48	
S06	JN0405	Zen	23.9	113.3367	5.3	0.0	0.22	
S06	JN0409	Zen	16.4	76.8180	5.6	0.1	0.34	
S06	JN0410	Zen	16.3	77.3822	0.9	0.0	0.06	
S06	JN0411	Zen	16.3	98.2368	4.6	0.1	0.28	
S06	JN0412	Zen	16.5	98.2501	2.9	0.1	0.17	
S06	JN0420	Zen	16.4	98.4872	-2.0	-0.0	-0.12	
S06	JN0421	Zen	16.0	98.4567	2.3	0.1	0.14	
S06	JN0428	Zen	16.1	83.7940	3.0	0.1	0.18	
S06	P04	Dist	1.0	26.0448		-0.7	-0.69	
S06	P03	Dist	1.0	15.7164		1.4	1.41	
S06	1002	Dist	1.0	11.0325		1.5	1.53	
S06	P02	Dist	1.0	17.4002		-1.8	-1.81	
S06	G1	Dist	1.0	7.1772		0.2	0.22	
S06	P01	Dist	1.0	19.4553		0.3	0.30	
S06	1001	Dist	1.0	27.7943		-0.2	-0.17	
S06	JS0401	Dist	2.0	11.9092		-0.3	-0.13	
S06	JS0402	Dist	2.0	14.1219		0.4	0.19	

S06	JS0403		2.0	13.3085	0.5	0.23	
S06	JS0301	Dist	2.0	12.2883	-0.7	-0.34	
S06	JS0302	Dist	2.0	13.0774	-1.1	-0.53	
S06	JS0310	Dist	2.0	12.7100	0.0	0.00	
S06	JS0320	Dist	2.0	12.9336	-0.9	-0.45	
S06	JN0405	Dist	2.0	5.3476	-0.4	-0.21	
S06	JN0409	Dist	2.0	14.4796	-0.9	-0.46	
S06	JN0410	Dist	2.0	14.7006	0.1	0.04	
S06	JN0411	Dist	2.0	14.9738	0.3	0.14	
S06	JN0412	Dist	2.0	14.0111	0.1	0.07	
S06	JN0420	Dist	2.0	14.5770	-0.5	-0.25	
S06	JN0421	Dist	2.0	15.9367	0.2	0.10	
S06	JN0428	Dist	2.0	15.5746	0.6	0.31	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_10\20220310LUI\20220310LUI7.obs								
S07	1002	Ref	57.9	0.0010	9.9	0.2	0.17	111.4880
S07	1007	Hor	26.1	190.1618	-18.0	-1.0	-0.69	
S07	3002	Hor	45.4	190.5538	-34.4	-0.9	-0.76	
S07	JS0301	Hor	24.3	27.9067	-8.3	-0.1	-0.34	
S07	JS0302	Hor	33.1	56.9345	14.2	0.1	0.43	
S07	JS0320	Hor	31.6	50.5919	-0.7	-0.0	-0.02	
S07	JS0303	Hor	34.4	138.3987	-8.3	-0.0	-0.24	
S07	JS0321	Hor	27.7	153.5358	-0.7	-0.0	-0.03	
S07	JS0304	Hor	17.8	172.3508	-22.6	-0.2	-1.27	
S07	JS0322	Hor	15.0	177.3341	2.0	0.0	0.13	
S07	JS0313	Hor	15.1	177.1813	29.9	0.4	1.98	
S07	JV0301	Hor	14.6	186.0306	36.9	0.6	2.53	
S07	JV0302	Hor	14.6	196.8392	-3.1	-0.0	-0.22	
S07	JV0303	Hor	14.5	179.0805	-19.8	-0.3	-1.37	
S07	JV0304	Hor	14.6	187.8242	7.8	0.1	0.53	
S07	JS1503	Hor	13.7	189.1469	-23.8	-0.4	-1.73	
S07	JN0313	Hor	16.4	202.6018	-0.7	-0.0	-0.04	
S07	JN0322	Hor	14.9	200.2640	2.3	0.0	0.16	
S07	JN0304	Hor	17.8	205.0403	-0.1	-0.0	-0.01	
S07	JN0321	Hor	27.8	222.3055	1.1	0.0	0.04	
S07	JN0303	Hor	34.8	236.2617	-4.4	-0.0	-0.13	
S07	JN0302	Hor	36.6	318.5075	34.5	0.1	0.94	
S07	JN0320	Hor	31.8	332.2714	-0.1	-0.0	-0.00	
S07	JN0301	Hor	24.7	352.2368	-14.1	-0.1	-0.57	

S07	1002		61.9	99.6800	256.3	5.1	4.14	*
S07	1007	Zen	30.0	96.5418	89.0	4.9	2.96	
S07	3002	Zen	49.4	99.6463	-7.9	-0.2	-0.16	
S07	JS0301	Zen	27.1	125.0986	30.7	0.2	1.13	
S07	JS0302	Zen	36.8	109.8170	-52.9	-0.2	-1.44	
S07	JS0320	Zen	35.0	114.3303	26.5	0.1	0.76	
S07	JS0303	Zen	37.9	112.3833	-20.2	-0.1	-0.53	
S07	JS0321	Zen	31.7	104.5771	-3.0	-0.0	-0.10	
S07	JS0304	Zen	21.8	100.9820	5.6	0.1	0.26	
S07	JS0322	Zen	19.0	98.4414	-4.6	-0.1	-0.24	
S07	JS0313	Zen	18.2	68.1312	2.9	0.0	0.16	
S07	JV0301	Zen	17.9	70.8290	-11.3	-0.2	-0.63	
S07	JV0302	Zen	18.3	80.6914	-9.0	-0.1	-0.49	
S07	JV0303	Zen	18.3	84.0725	-7.9	-0.1	-0.43	
S07	JV0304	Zen	17.2	58.0964	6.9	0.1	0.40	
S07	JS1503	Zen	17.0	68.7404	40.1	0.7	2.35	
S07	JN0313	Zen	19.2	66.2756	-0.6	-0.0	-0.03	
S07	JN0322	Zen	18.9	98.6606	2.6	0.0	0.14	
S07	JN0304	Zen	21.8	99.4193	-64.6	-0.7	-2.96	
S07	JN0321	Zen	31.8	103.5583	0.2	0.0	0.01	
S07	JN0303	Zen	38.8	101.5783	6.4	0.0	0.17	
S07	JN0302	Zen	40.4	107.9433	18.5	0.1	0.46	
S07	JN0320	Zen	34.9	118.2259	1.7	0.0	0.05	
S07	JN0301	Zen	28.5	108.6989	14.8	0.1	0.52	
S07	1002	Dist	1.0	12.7608		0.1	0.10	
S07	1007	Dist	1.0	35.2796		-0.4	-0.45	
S07	3002	Dist	1.0	17.0434		0.4	0.37	
S07	JS0301	Dist	2.0	4.2212		0.2	0.10	
S07	JS0302	Dist	2.0	2.5708		-1.2	-0.59	
S07	JS0320	Dist	2.0	2.7703		-0.7	-0.34	
S07	JS0303	Dist	2.0	2.4543		-0.7	-0.36	
S07	JS0321	Dist	2.0	3.2350		-1.0	-0.49	
S07	JS0304	Dist	2.0	6.4900		-0.5	-0.23	
S07	JS0322	Dist	2.0	9.1322		6.2	3.11	*
S07	JS0313	Dist	2.0	10.2437		-2.3	-1.17	
S07	JV0301	Dist	2.0	10.7778		-1.7	-0.87	
S07	JV0302	Dist	2.0	10.1635		0.5	0.26	
S07	JV0303	Dist	2.0	10.1029		0.4	0.22	
S07	JV0304	Dist	2.0	12.1513		-1.2	-0.62	
S07	JS1503	Dist	2.0	12.6352		1.2	0.59	
S07	JN0313	Dist	2.0	8.8347		-0.3	-0.15	
S07	JN0322	Dist	2.0	9.1916		-1.4	-0.71	
S07	JN0304	Dist	2.0	6.4763		-2.7	-	

							1.36
S07	JN0321	Dist	2.0	3.2148		-1.2	-0.62
S07	JN0303	Dist	2.0	2.3751		-0.9	-0.43
S07	JN0302	Dist	2.0	2.2402		1.2	0.61
S07	JN0320	Dist	2.0	2.7846		0.6	0.32
S07	JN0301	Dist	2.0	3.8468		-1.2	-0.61

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_11\20220311LUI.obs								
S08	G3	Ref	8.0	-0.0001	-0.7	-0.0	-0.09	166.0060
S08	1007	Hor	38.2	91.1393	-4.7	-0.2	-0.12	
S08	1009	Hor	60.5	324.4719	-55.4	-1.1	-0.92	
S08	1012	Hor	26.5	38.9237	30.5	1.6	1.15	
S08	JN2101	Hor	18.6	209.3885	-0.1	-0.0	-0.01	
S08	JN2102	Hor	16.2	225.6818	3.8	0.0	0.24	
S08	JN2103	Hor	16.6	259.3981	4.7	0.1	0.29	
S08	JN2104	Hor	16.6	241.8169	4.1	0.0	0.25	
S08	JN2105	Hor	19.6	268.9751	-0.1	-0.0	-0.01	
S08	JN2003	Hor	30.6	300.8234	-0.1	-0.0	-0.00	
S08	JN2004	Hor	24.0	280.5845	-0.1	-0.0	-0.00	
S08	JN2005	Hor	36.0	346.0694	-0.1	-0.0	-0.00	
S08	JN2006	Hor	32.6	372.5832	-1.9	-0.0	-0.06	
S08	JN2011	Hor	16.8	21.6573	2.6	0.0	0.16	
S08	JN2012	Hor	20.0	29.7601	0.2	0.0	0.01	
S08	JN2013	Hor	26.8	394.6577	0.5	0.0	0.02	
S08	JN1901	Hor	15.4	395.7191	1.1	0.0	0.07	
S08	JN1902	Hor	13.7	378.9974	0.5	0.0	0.04	
S08	JN1903	Hor	14.5	385.8540	1.1	0.0	0.08	
S08	JN1801	Hor	13.9	304.3105	1.7	0.0	0.12	
S08	JN1802	Hor	16.1	274.8006	-0.7	-0.0	-0.04	
S08	JN1803	Hor	15.0	293.3164	-3.1	-0.0	-0.21	
S08	JN1701	Hor	14.2	327.0320	-0.1	-0.0	-0.01	
S08	JN1702	Hor	14.2	360.9603	9.0	0.1	0.63	
S08	JN1604	Hor	12.2	320.2158	1.7	0.0	0.14	
S08	JN1501	Hor	12.9	353.3692	6.0	0.1	0.46	
S08	JN1502	Hor	13.0	337.4806	0.5	0.0	0.04	
S08	JN1506	Hor	13.0	372.5869	-8.0	-0.2	-0.62	
S08	JN1510	Hor	13.2	311.6479	0.5	0.0	0.04	
S08	JN1511	Hor	12.5	368.5172	-2.5	-0.1	-0.20	
S08	JV0404	Hor	13.0	10.0983	-6.5	-0.1	-0.50	
S08	JV0405	Hor	11.9	15.6622	9.0	0.2	0.75	
S08	JV0408	Hor	15.4	397.4245	-5.6	-0.1	-0.36	

S08	JV0410		15.4	397.6884	5.4	0.1	0.35	
S08	JV0411	Hor	12.2	14.3445	-4.1	-0.1	-0.33	
S08	BW04	Hor	10.8	109.5155	-10.4	-0.4	-0.96	
S08	JN1303	Hor	13.7	5.7159	-4.7	-0.1	-0.34	
S08	JN1306	Hor	13.7	5.2871	0.2	0.0	0.01	
S08	G3	Zen	12.0	82.2175	-1.2	-0.0	-0.10	
S08	1007	Zen	42.0	108.3209	196.8	6.5	4.69	*
S08	1009	Zen	64.5	101.4887	16.0	0.3	0.25	
S08	1012	Zen	30.5	99.9588	13.7	0.7	0.45	
S08	JN2101	Zen	22.4	112.6280	1.5	0.0	0.07	
S08	JN2102	Zen	20.1	92.0596	4.5	0.1	0.22	
S08	JN2103	Zen	20.4	86.7114	6.0	0.1	0.29	
S08	JN2104	Zen	20.5	106.7253	-1.7	-0.0	-0.08	
S08	JN2105	Zen	23.4	112.8358	-0.4	-0.0	-0.02	
S08	JN2003	Zen	34.5	106.0223	-0.0	-0.0	-0.00	
S08	JN2004	Zen	27.2	120.6349	-0.0	-0.0	-0.00	
S08	JN2005	Zen	35.9	134.7909	-0.2	-0.0	-0.01	
S08	JN2006	Zen	35.0	122.7506	1.6	0.0	0.05	
S08	JN2011	Zen	20.7	111.4747	-30.0	-0.3	-1.45	
S08	JN2012	Zen	23.6	115.6355	-0.4	-0.0	-0.02	
S08	JN2013	Zen	29.5	124.2693	-5.0	-0.0	-0.17	
S08	JN1901	Zen	19.4	104.8236	4.2	0.1	0.22	
S08	JN1902	Zen	17.7	102.5108	4.6	0.1	0.26	
S08	JN1903	Zen	18.3	86.3325	-4.5	-0.1	-0.24	
S08	JN1801	Zen	17.8	89.6409	-2.2	-0.0	-0.12	
S08	JN1802	Zen	19.9	86.0853	-4.2	-0.1	-0.21	
S08	JN1803	Zen	19.0	101.5477	6.2	0.1	0.33	
S08	JN1701	Zen	18.2	103.3426	8.6	0.1	0.47	
S08	JN1702	Zen	18.2	103.4115	-2.7	-0.0	-0.15	
S08	JN1604	Zen	16.2	95.0416	-5.1	-0.1	-0.31	
S08	JN1501	Zen	16.9	92.0804	1.9	0.0	0.11	
S08	JN1502	Zen	17.0	91.5462	3.3	0.1	0.19	
S08	JN1506	Zen	17.0	98.5212	2.5	0.0	0.15	
S08	JN1510	Zen	17.2	97.1590	-0.8	-0.0	-0.05	
S08	JN1511	Zen	16.5	97.7084	-1.7	-0.0	-0.10	
S08	JV0404	Zen	17.0	96.3839	-0.6	-0.0	-0.03	
S08	JV0405	Zen	15.9	98.2710	1.0	0.0	0.06	
S08	JV0408	Zen	19.4	109.0284	10.7	0.1	0.55	
S08	JV0410	Zen	19.2	85.1866	-15.9	-0.2	-0.83	
S08	JV0411	Zen	16.1	88.6853	-15.3	-0.4	-0.95	
S08	BW04	Zen	14.8	97.3458	-5.0	-0.2	-0.34	

S08	JN1303		17.7	95.6927	17.6	0.3	0.99
S08	JN1306	Zen	17.7	107.1766	-0.0	-0.0	-0.00
S08	G3	Dist	1.0	9.7566		-0.4	-0.36
S08	1007	Dist	1.0	21.2276		1.1	1.06
S08	1009	Dist	1.0	12.1335		-1.5	-1.49
S08	1012	Dist	1.0	34.3230		-1.0	-1.02
S08	JN2101	Dist	2.0	6.1437		-0.3	-0.17
S08	JN2102	Dist	2.0	7.8273		0.3	0.14
S08	JN2103	Dist	2.0	7.5476		-0.4	-0.19
S08	JN2104	Dist	2.0	7.4634		1.4	0.68
S08	JN2105	Dist	2.0	5.5836		0.6	0.30
S08	JN2003	Dist	2.0	2.8335		0.0	0.00
S08	JN2004	Dist	2.0	4.1860		0.0	0.00
S08	JN2005	Dist	2.0	2.6604		-0.1	-0.05
S08	JN2006	Dist	2.0	2.7665		-1.5	-0.76
S08	JN2011	Dist	2.0	7.3159		0.4	0.20
S08	JN2012	Dist	2.0	5.4775		-0.5	-0.23
S08	JN2013	Dist	2.0	3.6430		-1.0	-0.51
S08	JN1901	Dist	2.0	8.6596		-0.4	-0.19
S08	JN1902	Dist	2.0	11.1599		-0.1	-0.04
S08	JN1903	Dist	2.0	10.0920		-0.5	-0.27
S08	JN1801	Dist	2.0	10.8946		-0.4	-0.20
S08	JN1802	Dist	2.0	8.0249		-0.1	-0.05
S08	JN1803	Dist	2.0	9.1339		0.4	0.20
S08	JN1701	Dist	2.0	10.2113		0.3	0.13
S08	JN1702	Dist	2.0	10.2497		0.2	0.10
S08	JN1604	Dist	2.0	15.2815		0.0	0.01
S08	JN1501	Dist	2.0	13.0803		-0.2	-0.09
S08	JN1502	Dist	2.0	12.7806		0.1	0.04
S08	JN1506	Dist	2.0	12.7806		0.1	0.03
S08	JN1510	Dist	2.0	12.2124		-2.1	-1.04
S08	JN1511	Dist	2.0	14.2525		-0.5	-0.27
S08	JV0404	Dist	2.0	12.7280		0.0	0.02
S08	JV0405	Dist	2.0	16.2600		-5.0	-2.50
S08	JV0408	Dist	2.0	8.6595		0.0	0.02
S08	JV0410	Dist	2.0	8.8815		-0.5	-0.24
S08	JV0411	Dist	2.0	15.4117		-1.3	-0.67
S08	BW04	Dist	2.0	22.4642		0.7	0.36
S08	JN1303	Dist	2.0	11.1306		-0.4	-0.19
S08	JN1306	Dist	2.0	11.2225		0.0	0.00

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu				V0
					dmgr	mm	norm.		
* D:_Chateau-thierry\topo\data_traitees\2022_03_11\20220311LUI2.obs									
S09	G3	Ref	8.0	0.0009	8.7	0.1	1.09		217.5472
S09	1007	Hor	30.9	48.0550	-28.6	-1.3	-0.93		
S09	1008	Hor	53.3	29.4220	-81.8	-1.8	-1.54		
S09	1009	Hor	145.0	273.8686	-246.6	-1.8	-1.70		
S09	BW04	Hor	10.1	61.5578	-6.5	-0.3	-0.64		
S09	JN2101	Hor	14.0	109.6353	0.8	0.0	0.06		
S09	JN2102	Hor	14.0	124.4513	2.3	0.0	0.17		
S09	JN2001	Hor	22.4	106.2189	-8.0	-0.1	-0.36		
S09	JN2002	Hor	23.0	82.7581	-8.9	-0.1	-0.39		
S09	JN2007	Hor	20.1	48.7906	2.6	0.0	0.13		
S09	JN2008	Hor	21.4	59.6729	-3.8	-0.0	-0.18		
S09	JN2009	Hor	18.5	38.4511	4.4	0.0	0.24		
S09	JN2010	Hor	14.6	18.3841	-0.7	-0.0	-0.05		
S09	JN1901	Hor	15.3	1.1193	-2.5	-0.0	-0.17		
S09	JN1902	Hor	15.5	374.2789	-4.4	-0.1	-0.28		
S09	JN1903	Hor	15.6	387.2107	-8.0	-0.1	-0.51		
S09	JN1801	Hor	22.9	217.1360	-5.6	-0.0	-0.24		
S09	JN1802	Hor	19.0	151.3698	11.1	0.1	0.58		
S09	JN1803	Hor	22.9	181.5340	1.4	0.0	0.06		
S09	JN1804	Hor	20.0	131.6090	6.9	0.1	0.34		
S09	JN1701	Hor	31.2	284.0790	-0.1	-0.0	-0.00		
S09	JN1702	Hor	19.1	360.4671	-1.3	-0.0	-0.07		
S09	JN1604	Hor	16.2	265.1372	-1.3	-0.0	-0.08		
S09	JN1605	Hor	18.8	274.5239	4.7	0.0	0.25		
S09	JN1501	Hor	16.9	332.9655	-1.3	-0.0	-0.08		
S09	JN1502	Hor	19.4	304.2766	-3.1	-0.0	-0.16		
S09	JN1503	Hor	19.8	280.1848	0.5	0.0	0.03		
S09	JN1506	Hor	15.1	360.0394	8.4	0.1	0.56		
S09	JN1510	Hor	20.6	241.8571	8.4	0.1	0.41		
S09	JN1511	Hor	14.5	349.7871	-5.0	-0.1	-0.34		
S09	G3	Zen	12.0	85.4882	-8.6	-0.1	-0.72		
S09	1007	Zen	34.7	107.3507	156.3	6.8	4.50	*	
S09	1008	Zen	56.8	109.1396	22.5	0.5	0.40		
S09	1009	Zen	147.3	110.0861	54.6	0.4	0.37		
S09	BW04	Zen	14.1	98.9790	-13.7	-0.6	-0.97		
S09	JN2101	Zen	17.9	109.9299	-1.5	-0.0	-0.08		
S09	JN2102	Zen	18.0	96.9180	-4.0	-0.1	-0.22		
S09	JN2001	Zen	26.2	111.7858	6.9	0.0	0.27		

S09	JN2002		26.1	121.3146	-4.5	-0.0	0.17
S09	JN2007	Zen	23.5	119.9536	6.2	0.1	0.27
S09	JN2008	Zen	25.0	117.0927	5.0	0.0	0.20
S09	JN2009	Zen	22.1	116.9131	-1.1	-0.0	-0.05
S09	JN2010	Zen	18.5	109.7757	7.5	0.1	0.40
S09	JN1901	Zen	19.3	108.1320	8.7	0.1	0.45
S09	JN1902	Zen	19.5	106.7084	-3.0	-0.0	-0.16
S09	JN1903	Zen	19.4	87.3194	4.0	0.1	0.21
S09	JN1801	Zen	26.3	81.0889	-3.4	-0.0	-0.13
S09	JN1802	Zen	22.8	86.0864	-2.9	-0.0	-0.13
S09	JN1803	Zen	26.7	110.0785	-8.5	-0.1	-0.32
S09	JN1804	Zen	23.7	114.2218	-2.1	-0.0	-0.09
S09	JN1701	Zen	33.8	122.1198	1.0	0.0	0.03
S09	JN1702	Zen	22.9	111.0841	-5.6	-0.1	-0.24
S09	JN1604	Zen	20.2	94.0356	4.3	0.1	0.21
S09	JN1605	Zen	22.8	107.4977	-3.4	-0.0	-0.15
S09	JN1501	Zen	20.8	89.6745	-4.0	-0.0	-0.19
S09	JN1502	Zen	23.1	86.1545	-1.8	-0.0	-0.08
S09	JN1503	Zen	23.7	108.7875	6.1	0.1	0.26
S09	JN1506	Zen	19.1	101.1416	3.5	0.1	0.19
S09	JN1510	Zen	24.6	98.9144	-0.2	-0.0	-0.01
S09	JN1511	Zen	18.5	99.6465	1.1	0.0	0.06
S09	G3	Dist	1.0	9.8745		-0.2	-0.18
S09	1007	Dist	1.0	27.9944		0.9	0.91
S09	1008	Dist	1.0	14.2135		0.5	0.46
S09	1009	Dist	1.0	4.7046		-0.4	-0.43
S09	BW04	Dist	2.0	29.7911		0.6	0.28
S09	JN2101	Dist	2.0	10.7452		0.2	0.08
S09	JN2102	Dist	2.0	10.6462		0.7	0.36
S09	JN2001	Dist	2.0	4.4960		-1.0	-0.49
S09	JN2002	Dist	2.0	4.5007		0.7	0.34
S09	JN2007	Dist	2.0	5.5247		-0.3	-0.14
S09	JN2008	Dist	2.0	4.9129		-0.1	-0.03
S09	JN2009	Dist	2.0	6.2783		0.3	0.14
S09	JN2010	Dist	2.0	9.7366		0.1	0.03
S09	JN1901	Dist	2.0	8.7452		-0.3	-0.17
S09	JN1902	Dist	2.0	8.5430		-0.0	-0.01
S09	JN1903	Dist	2.0	8.5485		-0.0	-0.02
S09	JN1801	Dist	2.0	4.4633		-0.7	-0.35
S09	JN1802	Dist	2.0	5.9107		-0.3	-0.14
S09	JN1803	Dist	2.0	4.3169		-0.6	-0.31
S09	JN1804	Dist	2.0	5.4271		0.6	0.32

S09	JN1701	Dist	2.0	2.9204	-1.1	-0.54	
S09	JN1702	Dist	2.0	5.8161	0.1	0.06	
S09	JN1604	Dist	2.0	7.8085	0.0	0.02	
S09	JN1605	Dist	2.0	5.9097	0.7	0.33	
S09	JN1501	Dist	2.0	7.2112	0.2	0.10	
S09	JN1502	Dist	2.0	5.7173	-0.2	-0.10	
S09	JN1503	Dist	2.0	5.4563	-0.7	-0.33	
S09	JN1506	Dist	2.0	9.0175	-0.5	-0.27	
S09	JN1510	Dist	2.0	5.0601	0.1	0.03	
S09	JN1511	Dist	2.0	9.7956	0.1	0.03	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_11\20220311LUI3.obs								
S10	G3	Ref	8.0	-0.0009	-8.9	-0.1	-1.11	239.4930
S10	1009	Hor	108.6	201.3307	6.0	0.1	0.05	
S10	1007	Hor	32.0	36.2981	-16.5	-0.7	-0.52	
S10	1008	Hor	61.6	27.0437	-76.9	-1.4	-1.25	
S10	BW04	Hor	10.2	49.3095	6.9	0.3	0.68	
S10	JN2102	Hor	12.4	115.9852	-6.5	-0.1	-0.52	
S10	JN2103	Hor	13.6	129.4490	0.2	0.0	0.01	
S10	JN2001	Hor	16.1	116.9904	1.7	0.0	0.11	
S10	JN2002	Hor	17.4	106.4794	2.0	0.0	0.12	
S10	JN2007	Hor	19.3	81.0798	0.8	0.0	0.04	
S10	JN2008	Hor	18.7	91.5386	-1.9	-0.0	-0.10	
S10	JN2009	Hor	19.5	67.2527	3.2	0.0	0.17	
S10	JN2010	Hor	17.1	25.2858	6.9	0.1	0.40	
S10	JN1901	Hor	20.5	5.7966	9.6	0.1	0.47	
S10	JN1902	Hor	24.0	356.2131	3.5	0.0	0.15	
S10	JN1903	Hor	23.3	383.0328	21.1	0.1	0.91	
S10	JN1801	Hor	15.8	171.3546	4.7	0.1	0.30	
S10	JN1802	Hor	14.3	137.9737	-8.0	-0.1	-0.56	
S10	JN1803	Hor	15.3	154.0919	6.9	0.1	0.45	
S10	JN1804	Hor	14.8	127.6911	-2.5	-0.0	-0.17	
S10	JN1701	Hor	21.3	186.9081	1.7	0.0	0.08	
S10	JN1702	Hor	51.4	305.1107	-22.6	-0.1	-0.44	
S10	JN1602	Hor	13.6	199.6445	7.2	0.1	0.53	
S10	JN1603	Hor	14.0	207.0244	4.1	0.1	0.30	
S10	JN1606	Hor	15.8	194.9611	8.4	0.1	0.53	
S10	JN1501	Hor	23.1	270.0070	-12.9	-0.1	-0.56	
S10	JN1502	Hor	20.4	227.1100	-3.1	-0.0	-0.15	
S10	JN1503	Hor	17.8	210.1230	0.5	0.0	0.03	
S10	JN1504	Hor	22.7	245.4844	1.1	0.0	0.05	
S10	JN1505	Hor	21.8	294.6142	-0.1	-0.0	-0.01	
S10	JN1506	Hor	21.8	327.5254	6.6	0.0	0.30	
S10	JN1510	Hor	15.8	186.6446	-12.9	-0.2	-0.81	

S10	JN1511		19.1	311.2887	7.2	0.1	0.37	
S10	JN0206	Hor	19.4	308.5475	-0.1	-0.0	-0.01	
S10	G3	Zen	12.0	78.4615	9.8	0.1	0.82	
S10	1009	Zen	111.6	108.9311	-12.1	-0.1	-0.11	
S10	1007	Zen	35.8	108.0488	154.5	6.4	4.32	*
S10	1008	Zen	64.7	111.5724	27.5	0.5	0.43	
S10	BW04	Zen	14.2	99.2946	-11.3	-0.5	-0.80	
S10	JN2102	Zen	16.4	98.3826	-0.8	-0.0	-0.05	
S10	JN2103	Zen	17.6	94.6808	-0.1	-0.0	-0.00	
S10	JN2001	Zen	20.1	107.9350	2.8	0.0	0.14	
S10	JN2002	Zen	21.2	115.0721	-1.5	-0.0	-0.07	
S10	JN2007	Zen	22.7	120.1941	-4.0	-0.0	-0.18	
S10	JN2008	Zen	22.4	115.2662	1.6	0.0	0.07	
S10	JN2009	Zen	23.0	120.0711	-10.0	-0.1	-0.44	
S10	JN2010	Zen	20.8	114.6304	-12.5	-0.1	-0.60	
S10	JN1901	Zen	24.1	115.4980	-9.7	-0.1	-0.40	
S10	JN1902	Zen	27.4	116.3795	-1.0	-0.0	-0.04	
S10	JN1903	Zen	26.3	77.4696	1.1	0.0	0.04	
S10	JN1801	Zen	19.7	91.1048	-3.3	-0.0	-0.17	
S10	JN1802	Zen	18.2	92.9542	-4.2	-0.1	-0.23	
S10	JN1803	Zen	19.2	106.0320	1.8	0.0	0.09	
S10	JN1804	Zen	18.7	109.1495	8.3	0.1	0.44	
S10	JN1701	Zen	25.0	114.9743	-6.3	-0.0	-0.25	
S10	JN1702	Zen	46.1	142.5924	15.3	0.0	0.33	
S10	JN1602	Zen	17.6	101.7831	0.9	0.0	0.05	
S10	JN1603	Zen	17.9	107.4410	3.4	0.1	0.19	
S10	JN1606	Zen	19.8	93.4878	-0.8	-0.0	-0.04	
S10	JN1501	Zen	26.7	84.9956	0.1	0.0	0.00	
S10	JN1502	Zen	24.1	86.7574	-4.3	-0.0	-0.18	
S10	JN1503	Zen	21.7	108.7518	-6.7	-0.1	-0.31	
S10	JN1504	Zen	26.1	118.0223	-8.1	-0.1	-0.31	
S10	JN1505	Zen	25.5	113.9686	-0.0	-0.0	-0.00	
S10	JN1506	Zen	25.7	104.3002	-3.8	-0.0	-0.15	
S10	JN1510	Zen	19.8	100.5079	3.5	0.0	0.18	
S10	JN1511	Zen	23.1	101.0784	0.3	0.0	0.01	
S10	JN0206	Zen	23.0	116.2302	-0.0	-0.0	-0.00	
S10	G3	Dist	1.0	6.2676		-0.4	-0.35	
S10	1009	Dist	1.0	6.3893		2.3	2.31	
S10	1007	Dist	1.0	26.7768		1.3	1.31	
S10	1008	Dist	1.0	12.0850		-0.0	-0.01	
S10	BW04	Dist	2.0	29.4726		1.1	0.53	

S10	JN2102		2.0	14.3298	0.8	0.39	
S10	JN2103	Dist	2.0	11.4351	0.1	0.03	
S10	JN2001	Dist	2.0	7.8731	1.1	0.56	
S10	JN2002	Dist	2.0	6.9498	-0.7	-0.34	
S10	JN2007	Dist	2.0	5.9458	0.3	0.14	
S10	JN2008	Dist	2.0	6.1239	-0.1	-0.07	
S10	JN2009	Dist	2.0	5.8036	-0.4	-0.19	
S10	JN2010	Dist	2.0	7.2012	0.2	0.12	
S10	JN1901	Dist	2.0	5.2489	-0.6	-0.31	
S10	JN1902	Dist	2.0	4.1253	-0.7	-0.34	
S10	JN1903	Dist	2.0	4.4446	-0.4	-0.22	
S10	JN1801	Dist	2.0	8.2950	-0.0	-0.02	
S10	JN1802	Dist	2.0	10.2343	0.8	0.38	
S10	JN1803	Dist	2.0	8.7915	0.5	0.24	
S10	JN1804	Dist	2.0	9.4502	0.2	0.10	
S10	JN1701	Dist	2.0	4.9156	0.1	0.07	
S10	JN1702	Dist	2.0	1.8682	-0.8	-0.41	
S10	JN1602	Dist	2.0	11.3313	0.3	0.15	
S10	JN1603	Dist	2.0	10.7045	-0.0	-0.00	
S10	JN1606	Dist	2.0	8.1966	-0.4	-0.20	
S10	JN1501	Dist	2.0	4.3394	-0.6	-0.29	
S10	JN1502	Dist	2.0	5.2415	0.5	0.26	
S10	JN1503	Dist	2.0	6.5816	0.6	0.30	
S10	JN1504	Dist	2.0	4.5094	-0.6	-0.31	
S10	JN1505	Dist	2.0	4.7300	0.0	0.00	
S10	JN1506	Dist	2.0	4.6352	0.2	0.10	
S10	JN1510	Dist	2.0	8.1333	-0.2	-0.08	
S10	JN1511	Dist	2.0	5.7135	-0.5	-0.26	
S10	JN0206	Dist	2.0	5.7790	0.0	0.00	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS\S11.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_11\20220311LUI4.obs									
S11	G3	Ref	51.5	0.0010	10.2	0.2	0.20		242.7524
S11	1001	Hor	52.1	155.4082	-65.4	-1.5	-1.26		
S11	1007	Hor	26.4	25.5177	-20.8	-1.1	-0.79		
S11	1009	Hor	266.2	12.8570	967.0	3.7	3.63	*	
S11	BW04	Hor	9.7	36.3585	-2.8	-0.2	-0.29		
S11	JN2007	Hor	13.3	30.8344	3.5	0.1	0.27		
S11	JN2008	Hor	13.5	35.6013	-2.8	-0.1	-0.21		
S11	JN2009	Hor	13.0	25.5400	1.7	0.0	0.13		
S11	JN2010	Hor	12.1	11.0177	2.9	0.1	0.24		
S11	JN1901	Hor	12.6	2.3277	1.7	0.0	0.14		
S11	JN1903	Hor	13.0	394.9996	1.1	0.0	0.08		

S11	JN1601		53.3	140.5676	0.8	0.0	0.01	
S11	JN1602	Hor	31.2	177.5507	6.6	0.0	0.21	
S11	JN1603	Hor	41.5	210.9490	13.9	0.0	0.33	
S11	JN1604	Hor	1278.5	264.8282	-58.4	-0.1	-0.05	
S11	JN1605	Hor	47.2	384.3375	6.0	0.0	0.13	
S11	JN1606	Hor	50.1	71.5023	2.6	0.0	0.05	
S11	JN1508	Hor	18.9	396.4397	-1.3	-0.0	-0.07	
S11	G3	Zen	12.0	90.9628	-3.6	-0.1	-0.30	
S11	1001	Zen	55.4	111.1489	49.4	1.1	0.89	
S11	1007	Zen	30.3	106.1802	113.8	6.2	3.75	*
S11	1009	Zen	233.4	134.4360	385.9	1.5	1.65	
S11	BW04	Zen	13.7	99.4110	-15.2	-0.9	-1.10	
S11	JN2007	Zen	17.2	109.6541	-2.3	-0.0	-0.13	
S11	JN2008	Zen	17.4	107.8772	-1.1	-0.0	-0.06	
S11	JN2009	Zen	17.0	108.8965	0.2	0.0	0.01	
S11	JN2010	Zen	16.1	106.6330	0.6	0.0	0.04	
S11	JN1901	Zen	16.6	105.7473	-3.6	-0.1	-0.22	
S11	JN1903	Zen	17.0	92.2777	3.9	0.1	0.23	
S11	JN1601	Zen	45.5	147.1660	0.1	0.0	0.00	
S11	JN1602	Zen	35.1	107.0574	7.1	0.0	0.20	
S11	JN1603	Zen	40.1	136.6807	1.3	0.0	0.03	
S11	JN1604	Zen	1105.9	66.0400	-379.6	-0.6	-0.34	
S11	JN1605	Zen	46.9	130.1834	7.0	0.0	0.15	
S11	JN1606	Zen	48.7	67.4052	-12.4	-0.0	-0.26	
S11	JN1508	Zen	22.8	108.9930	-4.8	-0.0	-0.21	
S11	G3	Dist	1.0	14.7923		0.1	0.07	
S11	1001	Dist	1.0	14.6719		-2.1	-2.13	
S11	1007	Dist	1.0	34.7057		0.7	0.73	
S11	1009	Dist	1.0	2.8759		-1.1	-1.07	
S11	BW04	Dist	2.0	36.6472		0.2	0.10	
S11	JN2007	Dist	2.0	12.1938		0.3	0.16	
S11	JN2008	Dist	2.0	11.6834		0.4	0.19	
S11	JN2009	Dist	2.0	12.8296		-0.4	-0.19	
S11	JN2010	Dist	2.0	15.6527		0.7	0.36	
S11	JN1901	Dist	2.0	13.8948		0.3	0.14	
S11	JN1903	Dist	2.0	12.8329		-0.6	-0.30	
S11	JN1601	Dist	2.0	1.9031		-0.4	-0.22	
S11	JN1602	Dist	2.0	2.7551		-0.9	-0.44	
S11	JN1603	Dist	2.0	2.2683		-0.7	-0.37	
S11	JN1604	Dist	4.3	1.1639		-0.6	-0.14	
S11	JN1605	Dist	2.0	1.8246		-2.4	-1.19	
S11	JN1606	Dist	2.0	1.7340		-1.0	-0.50	
S11	JN1508	Dist	2.0	5.8766		0.6	0.28	

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\1007.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_14\station1007\140322-1007.obs									
1007	1002	Ref	9.3	-0.0003	-3.1	-0.2	-0.34		104.2629
1007	G3	Hor	8.0	380.8727	-0.7	-0.0	-0.09		
1007	G2	Hor	8.0	25.5855	-14.1	-0.6	-1.76		
1007	1008	Hor	50.7	378.8999	40.6	0.9	0.80		
1007	3002	Hor	8.0	397.0195	29.6	0.8	3.70	*	
1007	PST01	Hor	63.1	256.5382	-21.1	-0.4	-0.33		
1007	JN0309	Hor	8.0	386.8408	0.5	0.0	0.06		
1007	JS0309	Hor	8.0	18.7508	-2.2	-0.0	-0.28		
1007	JN0308	Hor	8.0	390.2291	7.2	0.1	0.90		
1007	JS0308	Hor	8.0	9.0175	10.5	0.2	1.31		
1007	JN0307	Hor	8.0	391.2325	-15.3	-0.4	-1.91		
1007	JS0307	Hor	8.0	5.4318	-9.5	-0.3	-1.19		
1007	JV0411	Hor	11.0	399.7529	-40.2	-1.3	-3.65	*	
1007	JV0403	Hor	8.0	392.3549	-5.6	-0.2	-0.70		
1007	JV0409	Hor	10.4	25.4925	6.6	0.3	0.63		
1007	JV0402	Hor	8.0	393.4212	6.0	0.2	0.74		
1007	JV0401	Hor	8.0	2.5017	0.5	0.0	0.06		
1007	JN2011	Hor	8.0	374.8953	2.3	0.1	0.29		
1007	JN2013	Hor	8.0	363.0980	-0.7	-0.0	-0.09		
1007	BW04	Hor	17.9	248.2116	19.0	0.2	1.06		
1007	1009	Hor	27.8	364.9724	-55.4	-2.8	-1.99		
1007	1012	Hor	8.0	58.8615	10.2	0.4	1.28		
1007	1002	Zen	13.3	104.7801	12.8	1.0	0.96		
1007	G3	Zen	12.0	87.4434	22.3	0.8	1.86		
1007	G2	Zen	12.0	89.4741	34.9	1.5	2.91		
1007	1008	Zen	54.7	100.8731	29.2	0.7	0.53		
1007	3002	Zen	12.0	111.1463	2.4	0.1	0.20		
1007	PST01	Zen	62.0	127.6435	8.0	0.1	0.13		
1007	JN0309	Zen	12.0	110.5707	11.1	0.1	0.92		
1007	JS0309	Zen	12.0	110.2134	58.6	0.7	4.88	*	
1007	JN0308	Zen	12.0	109.1690	34.4	0.7	2.87		
1007	JS0308	Zen	12.0	108.3910	91.9	1.9	7.66	***	
1007	JN0307	Zen	12.0	108.4014	-103.0	-2.9	-8.58	***	
1007	JS0307	Zen	12.0	109.0093	45.6	1.3	3.80	*	
1007	JV0411	Zen	15.0	86.9288	19.6	0.6	1.31		
1007	JV0403	Zen	12.0	103.7318	27.5	0.9	2.30		
1007	JV0409	Zen	14.3	90.2517	17.2	0.7	1.20		
1007	JV0402	Zen	12.0	109.6596	23.6	0.9	1.97		
1007	JV0401	Zen	12.0	109.4632	20.9	0.8	1.74		
1007	JN2011	Zen	12.0	98.7870	13.7	0.4	1.14		
1007	JN2013	Zen	12.0	99.0505	8.1	0.3	0.67		
1007	BW04	Zen	21.2	75.3967	52.8	0.5	2.49		
1007	1009	Zen	31.8	96.6607	29.2	1.5	0.92		
1007	1012	Zen	12.0	94.9781	11.0	0.4	0.92		
1007	1002	Dist	2.0	48.0116		1.8	0.91		
1007	G3	Dist	1.0	22.2522		0.3	0.27		
1007	G2	Dist	1.0	27.6528		0.9	0.89		
1007	1008	Dist	1.0	14.9038		0.4	0.38		
1007	3002	Dist	1.0	18.4674		1.0	0.96		
1007	PST01	Dist	1.0	12.7351		0.2	0.24		
1007	JN0309	Dist	2.0	7.3316		1.1	0.54		
1007	JS0309	Dist	2.0	7.5239		0.4	0.19		
1007	JN0308	Dist	2.0	13.3660		1.1	0.54		
1007	JS0308	Dist	2.0	13.0365		0.6	0.29		
1007	JN0307	Dist	2.0	17.8828		-1.6	-0.82		
1007	JS0307	Dist	2.0	18.1641		0.7	0.35		
1007	JV0411	Dist	2.0	21.5581		0.2	0.09		

1007	JV0403		2.0	21.2071	0.7	0.33	
1007	JV0409	Dist	2.0	27.3141	0.7	0.34	
1007	JV0402	Dist	2.0	23.6930	-0.9	-0.47	
1007	JV0401	Dist	2.0	23.7319	-2.0	-0.99	
1007	JN2011	Dist	2.0	18.8455	1.1	0.57	
1007	JN2013	Dist	2.0	21.1335	1.1	0.57	
1007	BW04	Dist	2.0	6.9165	0.5	0.23	
1007	1009	Dist	1.0	32.1735	4.7	4.71	*
1007	1012	Dist	1.0	25.2896	-0.8	-0.82	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\1007MR.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_14\station1007\140322-1007-MaisonRichelieu.obs									
1007	1002	Ref	9.3	-0.0004	-4.1	-0.3	-0.43		104.2629
1007	G3	Hor	8.0	380.8726	2.3	0.1	0.29		
1007	G2	Hor	8.0	25.5854	-13.2	-0.6	-1.65		
1007	1008	Hor	50.7	378.8999	36.9	0.9	0.73		
1007	3002	Hor	43.0	397.0194	29.6	0.8	0.69		
1007	PST01	Hor	63.1	256.5381	16.9	0.3	0.27		
1007	MR0101	Hor	8.0	17.9571	-0.1	-0.0	-0.01		
1007	MR0102	Hor	8.0	28.6579	-0.1	-0.0	-0.01		
1007	MR0103	Hor	8.0	39.5611	0.2	0.0	0.02		
1007	MR0501	Hor	8.0	27.8921	-1.3	-0.1	-0.17		
1007	MR0502	Hor	8.0	34.5139	1.4	0.1	0.18		
1007	MR0503	Hor	8.0	44.7869	11.1	0.4	1.39		
1007	1002	Zen	13.3	104.7801	28.8	2.2	2.16		
1007	G3	Zen	12.0	87.4434	33.3	1.1	2.78		
1007	G2	Zen	12.0	89.4741	52.9	2.3	4.41	*	
1007	1008	Zen	54.7	100.8731	46.2	1.1	0.84		
1007	3002	Zen	46.5	111.1565	127.2	3.6	2.74		
1007	PST01	Zen	62.0	127.6435	-20.0	-0.4	-0.32		
1007	MR0101	Zen	12.0	98.4192	3.3	0.1	0.28		
1007	MR0102	Zen	12.0	101.7365	2.3	0.0	0.19		
1007	MR0103	Zen	12.0	97.3802	-0.0	-0.0	-0.00		
1007	MR0501	Zen	12.0	95.7381	15.8	0.6	1.32		
1007	MR0502	Zen	12.0	96.8482	21.3	0.8	1.78		
1007	MR0503	Zen	12.0	97.5873	33.6	1.2	2.80		
1007	1002	Dist	2.0	48.0116		0.8	0.41		
1007	G3	Dist	1.0	22.2522		0.3	0.27		
1007	G2	Dist	1.0	27.6528		0.9	0.89		
1007	1008	Dist	1.0	14.9038		0.9	0.88		
1007	3002	Dist	1.0	18.4674		1.5	1.46		
1007	PST01	Dist	1.0	12.7351		0.2	0.24		
1007	MR0101	Dist	2.0	13.1795		-0.4	-0.21		
1007	MR0102	Dist	2.0	11.5353		-0.6	-0.28		
1007	MR0103	Dist	2.0	10.4879		0.0	0.00		
1007	MR0501	Dist	2.0	24.4185		0.6	0.32		
1007	MR0502	Dist	2.0	23.4933		0.4	0.18		
1007	MR0503	Dist	2.0	22.9689		-0.0	-0.01		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\2004.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_14\station2004\140322_2004.obs									
2004s	JN0306	Ref	8.0	0.0003	3.2	0.0	0.40		392.4360
2004s	JN0120	Hor	8.0	395.0996	2.3	0.0	0.29		
2004s	JN0121	Hor	17.2	386.5849	-6.2	-0.1	-0.36		
2004s	2001	Hor	98.5	394.6675	101.3	1.1	1.03		
2004s	JS0115	Hor	8.0	152.8762	-0.1	-0.0	-0.01		

2004s	2003		52.9	120.0921	-17.7	-0.4	-0.34	
2004s	JS0113	Hor	11.5	110.4208	-6.2	-0.2	-0.54	
2004s	JS0116	Hor	8.0	126.0018	-0.1	-0.0	-0.01	
2004s	JS0103	Hor	8.0	118.9085	-0.7	-0.0	-0.09	
2004s	JS0102	Hor	8.0	121.2521	-0.7	-0.0	-0.09	
2004s	3002	Hor	135.4	369.0849	89.1	0.7	0.66	
2004s	JN0306	Zen	12.0	107.7245	-20.9	-0.2	-1.74	
2004s	JN0120	Zen	12.0	95.2276	21.3	0.3	1.78	
2004s	JN0121	Zen	21.2	100.7274	13.4	0.1	0.63	
2004s	2001	Zen	101.2	110.6621	-121.5	-1.3	-1.20	
2004s	JS0115	Zen	12.0	131.9745	-0.0	-0.0	-0.00	
2004s	2003	Zen	56.1	111.4029	118.7	2.6	2.11	
2004s	JS0113	Zen	15.5	103.7963	0.8	0.0	0.05	
2004s	JS0116	Zen	12.0	102.7396	-0.0	-0.0	-0.00	
2004s	JS0103	Zen	12.0	101.6925	3.5	0.1	0.29	
2004s	JS0102	Zen	12.0	109.2054	-0.7	-0.0	-0.06	
2004s	3002	Zen	136.1	114.6113	-231.6	-1.8	-1.70	
2004s	JN0306	Dist	2.0	5.9000		-0.2	-0.08	
2004s	JN0120	Dist	2.0	7.5763		-2.2	-1.11	
2004s	JN0121	Dist	2.0	6.9041		-0.4	-0.20	
2004s	2001	Dist	1.0	7.1334		0.9	0.89	
2004s	JS0115	Dist	2.0	3.3210		0.0	0.00	
2004s	2003	Dist	1.0	14.4202		0.7	0.74	
2004s	JS0113	Dist	2.0	18.1840		-0.5	-0.23	
2004s	JS0116	Dist	2.0	7.1335		0.0	0.00	
2004s	JS0103	Dist	2.0	17.1745		0.5	0.24	
2004s	JS0102	Dist	2.0	16.6055		1.5	0.75	
2004s	3002	Dist	1.0	5.1305		0.5	0.49	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\P05.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	norm.		V0
* D:_Chateau_Thierry\Topo\data_traitees\2022_03_14\stationP05\P05-1403.obs									
P05	1004	Ref	13.1	122.2839	60.0	11.8	4.58	*	147.4512
P05	1004C	Hor	13.2	123.2771	-5.9	-1.1	-0.45		
P05	1005	Hor	14.7	128.6504	14.2	2.1	0.96		
P05	1008	Hor	30.3	260.6897	-48.7	-2.2	-1.61		
P05	3003	Hor	27.6	302.3430	4.1	0.2	0.15		
P05	G3	Hor	8.0	274.3174	-22.6	-1.1	-2.82		
P05	G2	Hor	8.0	306.2816	-16.5	-0.5	-2.06		
P05	BW10	Hor	11.1	221.1625	-841497.3	-27361.1	0.00	* * * * * * *	
P05	P04	Hor	30.5	337.6171	116.5	5.2	3.82	*	
P05	P03	Hor	25.0	324.5109	-16.5	-1.0	-0.66		
P05	1003	Hor	8.0	112.6417	11.7	1.7	1.47		
P05	1004	Zen	17.1	99.8756	51.5	10.1	3.02	*	
P05	1004C	Zen	17.2	99.8589	-14.7	-2.8	-0.85		
P05	1005	Zen	18.7	99.2550	-7.9	-1.2	-0.43		
P05	1008	Zen	34.3	103.0279	48.5	2.2	1.41		
P05	3003	Zen	31.5	93.3681	-16.9	-0.9	-0.54		

P05	G3		12.0	95.3112	14.8	0.7	1.24	
P05	G2	Zen	12.0	91.3086	11.9	0.3	0.99	
P05	BW10	Zen	15.1	97.6455	50356.5	1637.3	0.00	
P05	P04	Zen	33.3	120.3465	-72.2	-3.2	-2.17	
P05	P03	Zen	28.7	111.5928	-50.1	-2.9	-1.74	
P05	1003	Zen	12.0	106.2564	-4.9	-0.7	-0.41	
P05	1004	Dist	1.0	125.0875		-2.2	-2.21	
P05	1004C	Dist	1.0	122.4656		1.4	1.40	
P05	1005	Dist	1.0	95.4145		1.2	1.19	
P05	1008	Dist	1.0	28.5659		0.0	0.04	
P05	3003	Dist	1.0	32.6072		-1.7	-1.73	
P05	G3	Dist	1.0	31.3488		-1.1	-1.06	
P05	G2	Dist	1.0	18.3513		-1.7	-1.68	
P05	P04	Dist	1.0	29.8418		0.4	0.44	
P05	P03	Dist	1.0	38.1042		1.3	1.26	
P05	1003	Dist	1.0	91.3755		2.2	2.20	

* Station n°2 P05

P05	1003	Ref	15.0	112.6419	-31.7	-4.5	-2.11		147.4509
P05	P04	Hor	30.5	337.6174	111.0	4.9	3.64	*	
P05	P03	Hor	25.0	324.5112	-28.0	-1.7	-1.12		
P05	BW10	Hor	11.1	221.1628	-841491.5	-27360.9	0.00		
P05	G2	Hor	8.0	306.2819	-20.8	-0.6	-2.59		
P05	G3	Hor	8.0	274.3177	7.2	0.4	0.90		
P05	3003	Hor	27.6	302.3432	0.5	0.0	0.02		
P05	1008	Hor	30.3	260.6899	66.7	3.0	2.20		
P05	1005	Hor	14.7	128.6507	17.8	2.7	1.21		
P05	1004C	Hor	13.2	123.2774	6.0	1.1	0.45		
P05	1004	Hor	13.1	122.2842	13.9	2.7	1.06		
P05	1003	Zen	19.0	106.2564	47.1	6.7	2.48		
P05	P04	Zen	33.3	120.3465	-42.2	-1.9	-1.27		
P05	P03	Zen	28.7	111.5928	-32.1	-1.9	-1.12		
P05	BW10	Zen	15.1	97.6455	50356.5	1637.3	0.00		
P05	G2	Zen	12.0	91.3086	-50.1	-1.4	-4.17	*	
P05	G3	Zen	12.0	95.3112	44.8	2.2	3.74	*	
P05	3003	Zen	31.5	93.3681	14.1	0.7	0.45		
P05	1008	Zen	34.3	103.6954	-12.9	-0.6	-0.38		

P05	1005	Zen	18.7	99.2550	-24.9	-3.7	-1.34
P05	1004C	Zen	17.2	100.0149	14.9	2.9	0.86
P05	1004	Zen	17.1	99.8756	-23.5	-4.6	-1.37
P05	1003	Dist	1.0	91.3755		1.7	1.70
P05	P04	Dist	1.0	29.8418		-0.1	-0.06
P05	P03	Dist	1.0	38.1042		1.8	1.76
P05	G2	Dist	1.0	18.3513		-2.2	-2.18
P05	G3	Dist	1.0	31.3488		-1.1	-1.06
P05	3003	Dist	1.0	32.6072		-0.7	-0.73
P05	1008	Dist	1.0	28.5818		-1.1	-1.12
P05	1005	Dist	1.0	95.4145		-0.8	-0.81
P05	1004C	Dist	1.0	122.4653		-1.4	-1.40
P05	1004	Dist	1.0	125.0875		-0.2	-0.21

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\data_traitees\2022_03_14\stationSL101\PPMD14032022.obs									
SL101	1005	Ref	20.9	65.8954	11.4	0.9	0.55		144.6032
SL101	1006	Hor	27.2	176.2670	15.4	0.8	0.56		
SL101	G3	Hor	9.4	344.6125	10.8	1.6	1.15		
SL101	G2	Hor	9.4	356.6055	-11.0	-1.6	-1.18		
SL101	1008	Hor	15.4	344.5997	12.6	1.7	0.82		
SL101	1007	Hor	17.0	345.8714	-7.4	-0.8	-0.43		
SL101	P05	Hor	15.8	366.2407	-18.3	-2.4	-1.16		
SL101	1005	Zen	24.9	99.6844	21.8	1.7	0.88		
SL101	1006	Zen	31.2	98.7307	54.7	2.8	1.75		
SL101	G3	Zen	13.4	98.8054	-20.8	-3.0	-1.55		
SL101	G2	Zen	13.4	98.6994	-20.1	-3.0	-1.50		
SL101	1008	Zen	19.4	102.1065	-15.1	-2.0	-0.78		
SL101	1007	Zen	21.0	103.0795	27.8	3.1	1.33		
SL101	P05	Zen	19.8	100.4820	-32.2	-4.1	-1.63		
SL101	1005	Dist	1.0	49.5221		2.7	2.68		
SL101	1006	Dist	1.0	33.1002		2.8	2.82		
SL101	G3	Dist	1.0	92.4570		-3.3	-3.28	*	
SL101	G2	Dist	1.0	94.2578		-2.5	-2.48		
SL101	1008	Dist	1.0	85.5467		4.9	4.86	*	
SL101	1007	Dist	1.0	70.7613		4.0	4.05	*	
SL101	P05	Dist	1.0	81.8207		7.9	0.00	----	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu			V0

					dmgr	mm	norm.		
* D:_Chateau_Thierry\Topo\data_traitees\2022_03_14\stationSL102\SL2_1403.obs									
SL102	G2	Ref	8.0	150.4379	-14.1	-2.0	-1.76		370.4917
SL102	1013	Hor	8.0	112.0399	0.5	0.0	0.06		
SL102	1005	Hor	16.1	242.6735	58.2	7.1	3.60	*	
SL102	1006	Hor	22.9	303.4941	-9.2	-0.6	-0.40		
SL102	1013	Zen	12.0	106.2976	-14.3	-0.9	-1.19		
SL102	G2	Zen	12.0	98.9190	-5.1	-0.7	-0.42		
SL102	1005	Zen	20.1	99.3744	24.8	3.0	1.23		
SL102	1006	Zen	26.9	99.5791	64.0	4.3	2.38		
SL102	1013	Dist	82.7	40.8291		4.2	0.05		
SL102	G2	Dist	1.0	91.1977		0.9	0.93		
SL102	1005	Dist	1.0	78.1706		1.3	1.33		
SL102	1006	Dist	1.0	42.7740		-0.4	-0.43		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\2013.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu				V0
					dmgr	mm	norm.		
* D:_Chateau-thierry\topo\data_traitees\2022_03_15\2013.obs									
2013	JV0304	Ref	16.3	-0.0008	-8.0	-0.1	-0.49		296.6630
2013	2015	Hor	8.0	2.2180	9.9	0.1	1.24		
2013	JV0301	Hor	16.3	397.7697	3.5	0.0	0.22		
2013	JS0313	Hor	16.9	386.2585	-37.8	-0.4	-2.23		
2013	1002	Hor	16.6	214.5547	9.0	0.2	0.54		
2013	JS1110	Hor	14.4	315.8165	-8.0	-0.1	-0.55		
2013	JV0304	Zen	19.9	80.3384	-6.3	-0.1	-0.32		
2013	2015	Zen	12.0	95.0371	20.9	0.3	1.74		
2013	JV0301	Zen	20.3	101.8671	21.7	0.3	1.07		
2013	JS0313	Zen	20.9	100.6913	-22.2	-0.2	-1.06		
2013	1002	Zen	24.2	121.1637	38.3	0.9	1.58		
2013	JS1110	Zen	18.4	103.0276	59.2	0.9	3.21	*	
2013	2015	Dist	1.0	8.8028		1.8	1.75		

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu				V0
					dmgr	mm	norm.		
* D:_Chateau-thierry\topo\data_traitees\2022_03_15\2014.obs									
2014L	2012	Ref	8.0	0.7216	1.7	0.0	0.21		100.4494
2014L	JS1704	Hor	14.9	-0.0001	-1.0	-0.0	-0.07		
2014L	JS1407	Hor	30.3	11.1328	-0.1	-0.0	-0.00		
*5 2014L JS1404 387.7631 0.0008 0.0001 0.0000 0.0000									
2014L	2015	Hor	8.0	301.1447	-12.3	-0.1	-1.53		
2014L	JS1503	Hor	30.9	292.2073	161.7	0.7	5.23	*	
2014L	JS1704	Zen	18.8	104.5804	-0.7	-0.0	-0.04		
2014L	2012	Zen	12.0	106.8915	-2.2	-0.0	-0.18		
2014L	JS1407	Zen	31.0	135.1506	-0.7	-0.0	-0.02		
*6 2014L JS1404 143.7091 0.0012 0.0001 0.0000 0.0000									
2014L	2015	Zen	12.0	99.7803	9.9	0.0	0.83		
2014L	JS1503	Zen	34.8	93.4239	-79.1	-0.3	-2.27		
2014L	2012	Dist	1.0	8.5872		4.2	4.20	*	
2014L	2015	Dist	1.0	2.7940		-2.5	-2.48		
*centrage									
2014	2014L	C.Pl	100.0	0.0034		3.4	0.03		

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu				V0
					dmgr	mm	norm.		
* D:\1503_topo\Carnet réduit\SL1503.obs									
SL1503	JS1106	Ref	32.5	385.7432	26.6	0.2	0.82		123.3409

SL1503	JS1104		62.8	345.5101	-1.9	-0.0	-0.03	
SL1503	JS1102	Hor	123.7	290.3316	7.8	0.0	0.06	
SL1503	JS1705	Hor	75.3	228.8615	0.2	0.0	0.00	
SL1503	JS1201	Hor	18.4	179.0943	-13.5	-0.3	-0.73	
SL1503	3011	Hor	160.2	116.0450	127.4	0.8	0.80	
SL1503	3018	Hor	221.1	369.4662	84.3	0.4	0.38	
SL1503	2012	Hor	332.3	256.8472	583.6	1.8	1.76	
SL1503	2013	Hor	135.8	272.9256	51.2	0.4	0.38	
SL1503	JS1106	Zen	35.3	80.3745	-17.6	-0.1	-0.50	
SL1503	JS1104	Zen	56.4	60.0948	0.5	0.0	0.01	
SL1503	JS1102	Zen	88.5	153.9994	-22.7	-0.0	-0.26	
SL1503	JS1705	Zen	65.9	140.8739	0.0	0.0	0.00	
SL1503	JS1201	Zen	22.4	100.6358	-0.4	-0.0	-0.02	
SL1503	3011	Zen	164.2	99.0683	132.5	0.9	0.81	
SL1503	3018	Zen	205.2	127.7316	681.9	3.2	3.32	*
SL1503	2012	Zen	274.4	139.9877	-227.0	-0.7	-0.83	
SL1503	2013	Zen	136.3	114.8409	-161.3	-1.3	-1.18	
SL1503	JS1106	Dist	2.0	5.4549		0.9	0.46	
SL1503	JS1104	Dist	2.0	2.8691		0.6	0.28	
SL1503	JS1102	Dist	2.0	1.6644		1.4	0.69	
SL1503	JS1705	Dist	2.0	2.3620		0.0	0.00	
SL1503	JS1201	Dist	2.0	12.2667		-0.8	-0.38	
SL1503	3011	Dist	1.0	4.1836		-1.4	-1.37	
SL1503	3018	Dist	2.0	3.2947		-2.3	-1.17	
SL1503	2012	Dist	2.0	2.4262		1.2	0.59	
SL1503	2013	Dist	2.0	5.1203		6.3	3.13	*

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau_Thierry\Topo\carnet_reduit\SL15001.obs								
SL15001	1002	Ref	14.5	0.0034	33.6	1.0	2.32	111.5900
SL15001	JS0320	Hor	22.2	13.8795	-4.7	-0.1	-0.21	
SL15001	JS0302	Hor	22.6	14.7425	-9.2	-0.1	-0.41	
SL15001	JS0303	Hor	29.7	22.1821	19.6	0.2	0.66	
SL15001	JS0321	Hor	33.5	28.7619	1.7	0.0	0.05	
SL15001	JS0304	Hor	51.3	77.7951	51.5	0.2	1.00	
SL15001	JS0322	Hor	43.1	130.4066	-16.8	-0.1	-0.39	
SL15001	JS0305	Hor	34.9	147.6051	0.5	0.0	0.01	
SL15001	JV0303	Hor	40.0	140.6679	-22.0	-0.1	-0.55	
SL15001	JV0301	Hor	46.3	155.4729	-7.7	-0.0	-0.17	
SL15001	JV0302	Hor	52.7	188.3504	-2.5	-0.0	-0.05	
SL15001	JV0202	Hor	48.2	385.6014	-8.0	-0.0	-0.17	
SL15001	JV0201	Hor	69.0	5.1836	-61.4	-0.3	-0.89	
SL15001	JS0311	Hor	64.4	46.5073	-68.1	-0.4	-1.06	
SL15001	JS0312	Hor	49.9	70.7066	-31.1	-0.1	-0.62	
SL15001	JS0313	Hor	44.0	128.3919	7.8	0.0	0.18	
SL15001	3002	Hor	20.4	183.9444	-26.2	-0.4	-1.29	
SL15001	1007	Hor	12.5	187.6156	-7.4	-0.3	-0.59	
SL15001	1002	Zen	18.5	102.3704	45.7	1.4	2.47	

SL15001	JS0320	Zen	26.0	108.7798	-13.9	-0.2	-0.53	
SL15001	JS0302	Zen	26.5	107.4542	-25.6	-0.4	-0.96	
SL15001	JS0303	Zen	33.3	111.8253	-3.4	-0.0	-0.10	
SL15001	JS0321	Zen	37.2	110.9042	7.8	0.1	0.21	
SL15001	JS0304	Zen	54.1	115.5047	-12.9	-0.1	-0.24	
SL15001	JS0322	Zen	46.9	107.1129	17.0	0.1	0.36	
SL15001	JS0305	Zen	38.8	103.9944	0.6	0.0	0.01	
SL15001	JV0303	Zen	41.0	72.0187	25.1	0.2	0.61	
SL15001	JV0301	Zen	36.0	43.0937	-67.1	-0.4	-1.86	
SL15001	JV0302	Zen	46.2	55.3469	51.5	0.2	1.12	
SL15001	JV0202	Zen	49.3	75.4624	-16.7	-0.1	-0.34	
SL15001	JV0201	Zen	54.6	43.3999	-7.7	-0.0	-0.14	
SL15001	JS0311	Zen	52.7	45.9038	-33.4	-0.2	-0.63	
SL15001	JS0312	Zen	37.9	42.3722	-51.6	-0.2	-1.36	
SL15001	JS0313	Zen	34.9	43.8848	-20.0	-0.1	-0.57	
SL15001	3002	Zen	24.4	103.3086	-66.4	-1.1	-2.73	
SL15001	1007	Zen	16.5	97.1253	108.7	4.9	6.60	***
SL15001	1002	Dist	1.0	19.6609		-0.1	-0.14	
SL15001	JS0320	Dist	2.0	9.0805		-1.5	-0.76	
SL15001	JS0302	Dist	2.0	8.7728		-0.2	-0.11	
SL15001	JS0303	Dist	2.0	5.9799		-0.1	-0.06	
SL15001	JS0321	Dist	2.0	5.0596		-0.4	-0.21	
SL15001	JS0304	Dist	2.0	3.0276		-0.4	-0.20	
SL15001	JS0322	Dist	2.0	3.6453		-1.7	-0.83	
SL15001	JS0305	Dist	2.0	4.7468		1.3	0.63	
SL15001	JV0303	Dist	2.0	4.3979		0.9	0.44	
SL15001	JV0301	Dist	2.0	5.3079		-3.1	-1.55	
SL15001	JV0302	Dist	2.0	3.7278		0.3	0.16	
SL15001	JV0202	Dist	2.0	3.4152		-0.8	-0.40	
SL15001	JV0201	Dist	2.0	5.1832		-1.8	-0.88	
SL15001	JS0311	Dist	2.0	5.6066		-3.4	-1.69	
SL15001	JS0312	Dist	2.0	4.9249		-2.6	-1.32	
SL15001	JS0313	Dist	2.0	5.5548		-0.2	-0.12	
SL15001	3002	Dist	1.0	10.3046		0.1	0.12	
SL15001	1007	Dist	1.0	28.4780		-0.0	-0.01	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SL15002.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0

* D:_Chateau_Thierry\Topo\carnet_reduit\SL15002.obs

SL15002	1002	Ref	14.4	0.0000	0.2	0.0	0.01	104.6452
SL15002	JN0301	Hor	19.6	378.3325	30.2	0.5	1.54	
SL15002	JN0302	Hor	22.4	374.6584	-51.1	-0.7	-2.28	
SL15002	JN0303	Hor	28.8	369.0983	15.7	0.2	0.54	
SL15002	JN0304	Hor	54.7	321.4989	15.1	0.1	0.28	
SL15002	JN0322	Hor	50.0	257.8359	-10.7	-0.1	-0.21	
SL15002	JN0305	Hor	37.1	234.8269	2.9	0.0	0.08	
SL15002	1002	Zen	21.6	102.5628	57.2	1.8	2.65	
SL15002	JN0301	Zen	23.6	107.1007	25.0	0.4	1.06	
SL15002	JN0302	Zen	26.4	107.0509	-8.4	-0.1	-0.32	
SL15002	JN0303	Zen	32.6	107.8688	-11.5	-0.1	-0.35	
SL15002	JN0304	Zen	57.5	114.7470	-94.2	-0.4	-1.64	
SL15002	JN0322	Zen	53.4	110.5685	-3.8	-0.0	-0.07	
SL15002	JN0305	Zen	41.1	100.5112	27.3	0.2	0.67	
SL15002	1002	Dist	1.0	19.9695		-0.0	-0.02	
SL15002	JN0301	Dist	2.0	11.0130		-1.5	-0.77	
SL15002	JN0302	Dist	2.0	8.8720		-1.0	-0.48	
SL15002	JN0303	Dist	2.0	6.1701		-0.9	-0.47	
SL15002	JN0304	Dist	2.0	2.7996		-2.4	-1.18	
SL15002	JN0322	Dist	2.0	3.0768		-1.7	-0.87	
SL15002	JN0305	Dist	2.0	4.3770		-1.5	-0.77	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SL150021.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* Station n°1 SL15002_1									
SL15002_1	1002	Ref	14.4	0.0006	6.3	0.2	0.44		104.6420
SL15002_1	JV0202	Hor	22.6	360.9566	2.3	0.0	0.10		
SL15002_1	JV0201	Hor	24.2	374.7262	9.6	0.1	0.40		
SL15002_1	JN0311	Hor	25.1	349.4429	1.1	0.0	0.04		
*5 SL15002_1 JN0312 334.2564 0.0700 0.0000 0.0000 0.0000									
*5 SL15002_1 JN0313 293.0693 0.0700 0.0000 0.0000 0.0000									
SL15002_1	JV0302	Hor	28.6	242.9195	10.5	0.1	0.37		
*5 SL15002_1 JV0301 207.8375 0.0700 0.0000 0.0000 0.0000									
SL15002_1	JV0303	Hor	34.4	179.1245	38.7	0.1	1.13		
SL15002_1	3002	Hor	14.5	204.3867	-15.6	-0.2	-1.07		
SL15002_1	1007	Hor	14.8	199.3490	-5.6	-0.2	-0.38		
SL15002_1	1002	Zen	21.6	102.5636	71.1	2.2	3.30	*	
SL15002_1	JV0202	Zen	26.1	82.7466	8.8	0.1	0.34		
SL15002_1	JV0201	Zen	23.4	49.8738	-1.6	-0.0	-0.07		
SL15002_1	JN0311	Zen	24.2	50.4788	-0.4	-0.0	-0.02		
*6 SL15002_1 JN0312 38.6610 0.0700 0.0000 0.0000 0.0000									
*6 SL15002_1 JN0313 37.4926 0.0700 0.0000 0.0000 0.0000									
SL15002_1	JV0302	Zen	28.4	58.8526	-8.5	-0.0	-0.30		
*6 SL15002_1 JV0301 33.4441 0.0700 0.0000 0.0000 0.0000									
SL15002_1	JV0303	Zen	33.2	59.1926	-2.7	-0.0	-0.08		
SL15002_1	3002	Zen	18.5	103.9466	-94.8	-1.5	-5.12	*	
SL15002_1	1007	Zen	14.3	97.2352	117.2	5.1	8.21	***	
SL15002_1	1002	Dist	1.0	19.9702		1.0	1.00		
SL15002_1	JV0202	Dist	2.0	4.5269		-0.6	-0.30		
SL15002_1	JV0201	Dist	2.0	5.5788		-1.2	-0.59		

SL15002_1	JN0311	Dist	2.0	5.2188	-0.7	-0.33

*3 SL15002_1 JN0312 5.2555 0.0020 0.0000 0.0000 0.0000
*3 SL15002_1 JN0313 4.5230 0.0020 0.0000 0.0000 0.0000

SL15002_1	JV0302	Dist	2.0	3.8744	0.4	0.22

*3 SL15002_1 JV0301 4.7020 0.0020 0.0000 0.0000 0.0000

SL15002_1	JV0303	Dist	2.0	3.0088	-0.2	-0.09
SL15002_1	3002	Dist	1.0	9.8038	-0.2	-0.15
SL15002_1	1007	Dist	1.0	27.9493	0.3	0.32

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\2003.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0

*Données reduites
* D:_Chateau-thierry\topo\data_traitees\2022_03_16\2003.obs
* fichier créé le 16/03/2022 à 10:25:57
*Tours d'horizon
* Station n°1 2003
* Temperature : 12.0 °C - Pression : 760.1 mmHg - Correction meteo : 0.0 ppm
* Date/heure debut :
* Date/heure fin :
* Numero de cycle : 0

2003	JS0113	Ref	21.7	0.0044	43.9	0.3	2.02	72.3002
2003	JS0103	Hor	29.3	33.4256	2.3	0.0	0.08	
2003	JS0102	Hor	36.2	48.6870	1.1	0.0	0.03	
2003	JS0201	Hor	19.0	218.1590	-3.8	-0.0	-0.20	
2003	JS0112	Hor	12.1	239.8412	-9.2	-0.2	-0.76	
2003	2004	Hor	21.5	240.2274	-9.5	-0.2	-0.44	
2003	JS0109	Hor	17.1	254.6642	-0.4	-0.0	-0.02	
2003	JS0107	Hor	21.7	269.8615	-0.7	-0.0	-0.03	
2003	JS0108	Hor	20.1	248.1061	-0.4	-0.0	-0.02	
2003	JS0106	Hor	40.4	292.6290	-0.1	-0.0	-0.00	
2003	JS0104	Hor	30.5	335.9151	-0.1	-0.0	-0.00	
2003	JS0113	Zen	25.7	98.5574	-32.7	-0.2	-1.27	
2003	JS0103	Zen	32.7	84.7180	-4.7	-0.0	-0.14	
2003	JS0102	Zen	36.9	131.1567	1.6	0.0	0.04	
2003	JS0201	Zen	23.0	97.1004	-11.7	-0.1	-0.51	
2003	JS0112	Zen	16.1	93.6597	-7.9	-0.2	-0.49	
2003	2004	Zen	16.5	101.1088	-6.1	-0.1	-0.37	
2003	JS0109	Zen	21.0	95.5255	-0.3	-0.0	-0.01	
2003	JS0107	Zen	25.5	112.0931	-1.2	-0.0	-0.05	
2003	JS0108	Zen	23.6	81.5897	-0.9	-0.0	-0.04	
2003	JS0106	Zen	37.9	58.8553	0.0	0.0	0.00	
2003	JS0104	Zen	33.0	123.8903	0.0	0.0	0.00	
2003	JS0113	Dist	2.0	4.6522		-0.0	-0.01	
2003	JS0103	Dist	2.0	3.0813		0.3	0.16	
2003	JS0102	Dist	2.0	2.5604		-1.1	-0.54	
2003	JS0201	Dist	2.0	5.7818		-2.2	-1.12	
2003	JS0112	Dist	2.0	15.6787		0.7	0.34	
2003	2004	Dist	1.0	14.1918		-0.7	-0.74	
2003	JS0109	Dist	2.0	7.0401		-0.4	-0.21	
2003	JS0107	Dist	2.0	4.7173		-1.2	-0.60	
2003	JS0108	Dist	2.0	5.4977		-0.8	-0.42	
2003	JS0106	Dist	2.0	2.4585		0.0	0.00	
2003	JS0104	Dist	2.0	3.0345		0.0	0.00	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\2003BIS.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu	V0

					dmgr	mm	norm.		
* D:_Chateau_Thierry\Topo\carnet_reduit\2003BIS.obs									
2003	P04	Ref	19.5	397.6291	3.5	0.1	0.18		182.7534
2003	P03	Hor	21.0	324.9328	-60.2	-0.9	-2.86		
2003	JS0113	Hor	35.4	289.5513	-94.2	-0.7	-2.66		
2003	JS0112	Hor	16.2	129.3880	12.3	0.3	0.76		
2003	2004	Hor	12.5	129.7743	24.2	0.5	1.94		
2003	P04	Zen	23.0	117.5913	-552.2	-9.6	0.00	--- ---	
2003	P03	Zen	25.0	104.3544	-4.7	-0.1	-0.19		
2003	JS0113	Zen	39.4	98.0377	72.6	0.5	1.85		
2003	JS0112	Zen	20.1	93.5062	12.2	0.3	0.61		
2003	2004	Zen	16.5	100.9383	0.5	0.0	0.03		
2003	P04	Dist	2.0	11.5294		3.4	1.68		
2003	P03	Dist	2.0	9.8014		1.4	0.70		
2003	JS0113	Dist	2.0	4.6532		-1.3	-0.65		
2003	JS0112	Dist	2.0	15.6825		2.0	1.01		
2003	2004	Dist	1.0	14.1911		1.1	1.15		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\3010.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\carnet_reduit\2005.obs									
3010	JS1202	Ref	53.5	276.3711	-0.7	-0.0	-0.01		108.4841
3010	JS0212	Hor	104.8	302.1666	2.3	0.0	0.02		
3010	JS0210	Hor	110.8	255.4445	1.4	0.0	0.01		
3010	JS0205	Hor	62.9	131.9438	-0.1	-0.0	-0.00		
3010	JS0204	Hor	124.0	95.6942	6.9	0.0	0.06		
3010	JS0202	Hor	54.2	9.6945	2.9	0.0	0.05		
3010	JS0201	Hor	35.9	2.2846	-1.9	-0.0	-0.05		
3010	2016	Hor	282.5	268.6602	-0.1	-0.0	-0.00		
3010	JS1202	Zen	53.6	73.6179	-1.8	-0.0	-0.03		
3010	JS0212	Zen	73.3	43.6762	-0.1	-0.0	-0.00		
3010	JS0210	Zen	81.3	47.0978	-0.5	-0.0	-0.01		
3010	JS0205	Zen	66.9	98.1383	-0.0	-0.0	-0.00		
3010	JS0204	Zen	91.6	48.1297	10.5	0.0	0.11		
3010	JS0202	Zen	50.5	137.2343	2.3	0.0	0.05		
3010	JS0201	Zen	35.0	138.2567	27.0	0.2	0.77		
3010	2016	Zen	283.9	108.7241	-0.0	-0.0	-0.00		
3010	JS1202	Dist	2.0	3.0596		-1.4	-0.71		
3010	JS0212	Dist	2.0	2.0755		-0.5	-0.25		
3010	JS0210	Dist	2.0	1.8369		-0.1	-0.03		
3010	JS0205	Dist	2.0	2.3200		0.0	0.00		
3010	JS0204	Dist	2.0	1.6002		0.2	0.09		
3010	JS0202	Dist	2.0	3.3084		-0.6	-0.31		
3010	JS0201	Dist	2.0	5.5311		0.1	0.07		
3010	2016	Dist	1.0	2.3410		0.0	0.00		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SLMR01.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\carnet_reduit\SLMR01.obs									
SLMR01	P05	Ref	16.0	42.5691	-18.6	-0.5	-1.16		198.6672
SLMR01	G2	Hor	39.7	311.2683	15.1	0.1	0.38		
SLMR01	JV0409	Hor	41.8	309.1722	-41.4	-0.2	-0.99		
SLMR01	BW04	Hor	12.3	138.6402	-10.7	-0.5	-0.87		

SLMR01	MR0303		25.6	101.1895	3.5	0.0	0.14
SLMR01	MR0601	Hor	41.1	128.2102	5.7	0.0	0.14
SLMR01	MR0403	Hor	18.8	122.6134	4.1	0.1	0.22
SLMR01	MR0104	Hor	18.9	130.4168	-12.0	-0.2	-0.63
SLMR01	MR0203	Hor	24.7	141.0322	-1.6	-0.0	-0.07
SLMR01	MR0205	Hor	30.6	134.0193	-1.6	-0.0	-0.05
SLMR01	BW11	Hor	11.9	194.7574	18.1	0.9	1.52
SLMR01	BW10	Hor	14.3	119.0001	-19.8	-0.6	-1.39
SLMR01	1008	Hor	11.8	178.0418	1.4	0.0	0.12
SLMR01	1012	Hor	13.6	40.1194	24.5	0.4	1.81
SLMR01	P05	Zen	20.0	99.5486	9.0	0.2	0.45
SLMR01	G2	Zen	38.4	62.8238	51.4	0.3	1.34
SLMR01	JV0409	Zen	40.9	65.4519	-1.3	-0.0	-0.03
SLMR01	BW04	Zen	16.3	98.4684	-6.0	-0.3	-0.37
SLMR01	MR0303	Zen	28.8	119.4972	11.2	0.1	0.39
SLMR01	MR0601	Zen	41.0	132.0728	-9.3	-0.1	-0.23
SLMR01	MR0403	Zen	22.7	108.6017	-4.1	-0.1	-0.18
SLMR01	MR0104	Zen	22.7	111.0347	4.9	0.1	0.22
SLMR01	MR0203	Zen	28.2	114.7094	-8.2	-0.1	-0.29
SLMR01	MR0205	Zen	33.5	120.2619	-7.0	-0.1	-0.21
SLMR01	BW11	Zen	15.9	97.2305	3.2	0.2	0.20
SLMR01	BW10	Zen	18.3	97.0798	-2.9	-0.1	-0.16
SLMR01	1008	Zen	15.8	107.9545	-2.4	-0.1	-0.15
SLMR01	1012	Zen	17.6	101.1127	-12.3	-0.2	-0.70
SLMR01	P05	Dist	2.0	15.9329		3.9	1.94
SLMR01	G2	Dist	2.0	4.8213		1.8	0.89
SLMR01	JV0409	Dist	2.0	4.4013		0.8	0.40
SLMR01	BW04	Dist	2.0	29.6664		-0.6	-0.30
SLMR01	MR0303	Dist	2.0	7.5972		-0.8	-0.39
SLMR01	MR0601	Dist	2.0	4.3979		-1.1	-0.57
SLMR01	MR0403	Dist	2.0	11.8989		1.4	0.69
SLMR01	MR0104	Dist	2.0	11.8718		-0.7	-0.33
SLMR01	MR0203	Dist	2.0	7.8389		-1.1	-0.54
SLMR01	MR0205	Dist	2.0	5.9206		0.6	0.32
SLMR01	BW11	Dist	2.0	32.3808		0.3	0.17
SLMR01	BW10	Dist	2.0	20.2038		-0.7	-0.33
SLMR01	1008	Dist	1.0	16.8318		-0.2	-0.21
SLMR01	1012	Dist	1.0	11.4626		-0.4	-0.39

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SLMR02.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\carnet_reduit\SLMR02.obs									
SLMR02	P05	Ref	19.8	393.3374	69.1	1.2	3.49	*	225.7546
SLMR02	BW10	Hor	16.4	109.1819	-14.1	-0.3	-0.86		
SLMR02	BW04	Hor	12.9	125.1548	-17.7	-0.7	-1.38		
SLMR02	MR0104	Hor	22.8	142.8559	26.0	0.4	1.14		
SLMR02	MR0105	Hor	22.4	159.6628	7.8	0.1	0.35		
SLMR02	MR0204	Hor	28.3	172.9644	15.1	0.1	0.53		
SLMR02	BW11	Hor	11.7	179.9250	-1.9	-0.1	-0.17		
SLMR02	1008	Hor	11.5	175.8525	1.1	0.0	0.10		
SLMR02	JV0408	Hor	14.0	196.1654	-14.7	-0.5	-1.05		
SLMR02	JV0410	Hor	14.0	196.2660	0.5	0.0	0.04		
SLMR02	JV0411	Hor	16.7	206.6624	-19.5	-0.4	-1.17		
SLMR02	JV0405	Hor	17.3	209.2694	11.4	0.2	0.66		
SLMR02	JV0406	Hor	21.1	226.0249	-0.1	-0.0	-0.01		
SLMR02	JV0407	Hor	20.8	226.1688	0.5	0.0	0.02		
SLMR02	MR0701	Hor	30.7	225.6618	0.5	0.0	0.02		
SLMR02	MR0601	Hor	33.8	214.4537	1.7	0.0	0.05		
SLMR02	MR0901	Hor	25.5	245.4300	9.6	0.1	0.38		
SLMR02	MR0206	Hor	44.3	266.7805	13.9	0.1	0.31		

SLMR02	MR0506		43.5	288.6886	1.1	0.0	0.03
SLMR02	MR0503	Hor	48.3	314.7749	-46.3	-0.2	-0.96
SLMR02	MR0507	Hor	33.4	377.7157	-20.1	-0.2	-0.60
SLMR02	1012	Hor	17.1	375.4240	-5.0	-0.1	-0.29
SLMR02	MR0504	Hor	21.1	248.5068	-1.9	-0.0	-0.09
SLMR02	JV0409	Hor	20.3	262.2163	-0.7	-0.0	-0.04
SLMR02	G2	Hor	20.1	263.4417	14.5	0.2	0.72
SLMR02	P05	Zen	23.8	96.1362	33.3	0.6	1.40
SLMR02	BW10	Zen	20.3	93.8749	16.3	0.4	0.80
SLMR02	BW04	Zen	16.8	96.9547	-5.4	-0.2	-0.32
SLMR02	MR0104	Zen	26.6	111.0461	8.0	0.1	0.30
SLMR02	MR0105	Zen	26.3	106.3773	-2.0	-0.0	-0.08
SLMR02	MR0204	Zen	31.8	113.2773	5.7	0.1	0.18
SLMR02	BW11	Zen	15.7	96.4283	6.5	0.4	0.42
SLMR02	1008	Zen	15.5	105.4856	-7.5	-0.2	-0.48
SLMR02	JV0408	Zen	18.0	102.7045	-9.5	-0.3	-0.53
SLMR02	JV0410	Zen	18.0	92.9239	1.9	0.1	0.11
SLMR02	JV0411	Zen	20.5	86.9431	10.2	0.2	0.50
SLMR02	JV0405	Zen	21.3	96.4574	-10.4	-0.2	-0.49
SLMR02	JV0406	Zen	25.0	108.0605	-0.0	-0.0	-0.00
SLMR02	JV0407	Zen	24.4	82.4663	1.1	0.0	0.04
SLMR02	MR0701	Zen	34.1	114.9753	0.0	0.0	0.00
SLMR02	MR0601	Zen	36.6	119.7250	10.4	0.1	0.29
SLMR02	MR0901	Zen	29.4	107.9389	-5.1	-0.1	-0.17
SLMR02	MR0206	Zen	45.0	127.3644	-25.2	-0.1	-0.56
SLMR02	MR0506	Zen	44.1	128.0598	-17.1	-0.1	-0.39
SLMR02	MR0503	Zen	51.8	109.6160	-27.5	-0.1	-0.53
SLMR02	MR0507	Zen	37.3	105.5956	-8.8	-0.1	-0.24
SLMR02	1012	Zen	21.1	96.8916	7.0	0.1	0.33
SLMR02	MR0504	Zen	25.1	101.5708	5.1	0.1	0.20
SLMR02	JV0409	Zen	23.9	83.1003	-0.5	-0.0	-0.02
SLMR02	G2	Zen	23.5	81.2580	-3.0	-0.1	-0.13
SLMR02	P05	Dist	2.0	10.7986		4.1	2.06
SLMR02	BW10	Dist	2.0	15.2861		0.6	0.32
SLMR02	BW04	Dist	2.0	26.2594		-0.6	-0.28
SLMR02	MR0104	Dist	2.0	8.7202		0.2	0.11
SLMR02	MR0105	Dist	2.0	8.8897		-0.8	-0.40
SLMR02	MR0204	Dist	2.0	6.4237		-1.8	-0.92
SLMR02	BW11	Dist	2.0	34.7783		-0.2	-0.09
SLMR02	1008	Dist	1.0	18.0758		-0.2	-0.19
SLMR02	JV0408	Dist	2.0	21.3007		-0.3	-0.15
SLMR02	JV0411	Dist	2.0	14.9469		1.4	0.68
SLMR02	JV0405	Dist	2.0	13.6811		0.6	0.32
SLMR02	JV0406	Dist	2.0	9.8310		0.0	0.00
SLMR02	JV0407	Dist	2.0	10.2983		0.3	0.17
SLMR02	MR0701	Dist	2.0	5.7590		0.0	0.00
SLMR02	MR0601	Dist	2.0	5.1855		-1.0	-0.51
SLMR02	MR0901	Dist	2.0	7.3204		0.4	0.21
SLMR02	MR0206	Dist	2.0	3.8546		0.1	0.05
SLMR02	MR0506	Dist	2.0	3.9609		-0.1	-0.04
SLMR02	MR0503	Dist	2.0	3.1959		-0.6	-0.30
SLMR02	MR0507	Dist	2.0	5.0325		-0.0	-0.01
SLMR02	1012	Dist	1.0	7.0006		-0.4	-0.43
SLMR02	MR0504	Dist	2.0	9.7037		1.2	0.60
SLMR02	JV0409	Dist	2.0	10.7297		0.7	0.34
SLMR02	G2	Dist	2.0	11.0287		2.7	1.35

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu		V0
					dmgr	mm	norm.

* D:_Chateau_Thierry\Topo\obs\2015_16032022_JT.obs

2015	2014		235.6	0.0669	669.2	2.9	2.84		201.5650
2015	JS1406	Hor	47.1	4.6631	207.8	1.1	4.41	*	
2015	JS1502	Hor	75.6	13.3338	-112.1	-0.3	-1.48		
2015	JS1503	Hor	5707.6	93.3139	-89.7	-0.1	-0.02		
2015	JS1505	Hor	50.3	192.6998	-144.0	-0.7	-2.86		
2015	JS1601	Hor	49.3	194.1288	-12.6	-0.1	-0.25		
2015	JS1504	Hor	133.5	175.4677	-430.3	-0.7	-3.22	*	
2015	JS1506	Hor	65.2	215.0159	-0.1	-0.0	-0.00		
2015	JS1507	Hor	704.4	259.5746	0.5	0.0	0.00		
2015	2014	Zen	217.0	128.5851	982.5	4.3	4.53	*	
2015	JS1406	Zen	50.9	92.6796	97.7	0.5	1.92		
2015	JS1502	Zen	77.8	85.3849	-161.8	-0.5	-2.08		
2015	JS1503	Zen	4624.3	58.1911	7230.4	4.4	1.56		
2015	JS1505	Zen	54.0	92.5354	368.0	1.7	6.81	***	
2015	JS1601	Zen	50.0	125.5983	0.5	0.0	0.01		
2015	JS1504	Zen	91.4	156.4270	-204.8	-0.3	-2.24		
2015	JS1506	Zen	64.4	126.3585	-0.0	-0.0	-0.00		
2015	JS1507	Zen	667.8	61.2913	-0.0	-0.0	-0.00		
2015	2014	Dist	4.1	3.1048		2.6	0.63		
2015	JS1406	Dist	2.7	3.2772		-4.8	-1.80		
2015	JS1502	Dist	2.4	1.9344		0.9	0.39		
2015	JS1503	Dist	3.1	0.4939		0.9	0.30		
2015	JS1505	Dist	2.6	3.0294		0.9	0.35		
2015	JS1601	Dist	2.7	3.3516		1.6	0.61		
2015	JS1504	Dist	2.3	1.6044		8.4	3.60	*	
2015	JS1506	Dist	2.5	2.4295		0.0	0.00		
2015	JS1507	Dist	3.2	0.7590		0.0	0.00		

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\obs\SL02_16032022_JT.obs									
SL02	JS1602	Ref	1705.7	0.1235	1235.4	1.0	0.72		398.7135
SL02	JS0313	Hor	37.3	214.6457	18.7	0.1	0.50		
SL02	JV0301	Hor	44.5	234.1092	100.1	0.5	2.25		
SL02	JS1606	Hor	376.4	215.6734	-32.3	-0.0	-0.09		
SL02	BWN	Hor	557.0	101.2126	-491.3	-1.7	-0.88		
SL02	JS1604	Hor	62.4	94.5250	-61.4	-0.2	-0.98		
SL02	JS1605	Hor	71.2	113.4000	-188.9	-0.6	-2.65		
SL02	JS1603	Hor	77.3	83.0424	-27.4	-0.1	-0.35		
SL02	JS1607	Hor	626.3	280.2183	1225.1	1.9	1.96		
SL02	JS1505	Hor	48.8	311.1960	-19.5	-0.1	-0.40		
SL02	JS1602	Zen	1373.5	51.5825	804.1	0.7	0.59		
SL02	JS0313	Zen	41.3	97.4984	57.2	0.4	1.38		
SL02	JV0301	Zen	48.5	99.6013	153.4	0.8	3.16	*	
SL02	JS1606	Zen	152.4	24.8894	804.5	0.4	5.28	*	
SL02	BWN	Zen	556.5	91.5899	135.4	0.5	0.24		
SL02	JS1604	Zen	62.8	76.4630	39.9	0.1	0.64		
SL02	JS1605	Zen	71.9	120.8995	-68.2	-0.2	-0.95		
SL02	JS1603	Zen	77.6	120.9978	-33.3	-0.1	-0.43		
SL02	JS1607	Zen	600.7	141.2232	560.4	0.9	0.93		
SL02	JS1505	Zen	49.8	75.4772	-343.9	-1.7	-6.90	***	
SL02	JS1602	Dist	3.7	0.7288		1.8	0.49		
SL02	JS0313	Dist	2.9	4.3449		-1.1	-0.37		
SL02	JV0301	Dist	2.7	3.4851		0.6	0.20		
SL02	JS1606	Dist	2.2	0.9069		-1.1	-0.49		
SL02	BWN	Dist	3.5	2.2553		1.3	0.37		
SL02	JS1604	Dist	2.5	2.5080		-1.0	-0.39		
SL02	JS1605	Dist	2.4	2.1266		-2.4	-0.98		
SL02	JS1603	Dist	2.4	1.9416		2.1	0.90		

SL02	JS1607		3.3	1.2642	-3.3	-1.02	
SL02	JS1505	Dist	2.7	3.3666	-5.4	-2.04	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\obs\SL16032022IB.obs									
SL01IB2	2015	Ref	244.1	0.0285	285.2	1.2	1.17		204.1264
SL01IB2	2014	Hor	31.2	398.7440	-54.1	-0.5	-1.74		
SL01IB2	JS1502	Hor	35.9	4.4446	62.4	0.4	1.74		
SL01IB2	JS1505	Hor	735.4	134.0581	1061.8	0.9	1.44		
SL01IB2	2015	Zen	220.0	131.3342	-9.0	-0.0	-0.04		
SL01IB2	2014	Zen	34.4	116.1464	-67.8	-0.6	-1.97		
SL01IB2	JS1502	Zen	39.8	94.9320	98.8	0.7	2.48		
SL01IB2	JS1505	Zen	709.3	69.7477	-1046.7	-0.9	-1.48		
SL01IB2	2015	Dist	4.1	3.0600		-1.0	-0.24		
SL01IB2	2014	Dist	2.1	5.6742		-1.8	-0.82		
SL01IB2	JS1502	Dist	2.9	4.5792		4.2	1.43		
SL01IB2	JS1505	Dist	3.1	0.6084		6.4	2.05		
* Station n°2 SL01IB									
SL01IB	2015	Ref	243.1	-0.0516	-515.9	-2.2	-2.12		204.0316
SL01IB	2014	Hor	31.1	398.7553	30.2	0.3	0.97		
SL01IB	JS1406	Hor	29.4	1.1757	-152.2	-1.4	-5.18	*	
SL01IB	JS1503	Hor	53.6	8.8105	438.2	1.9	8.17	***	
SL01IB	JS1504	Hor	77.5	14.5627	-297.6	-0.9	-3.84	*	
SL01IB	JS1602	Hor	56.0	287.8366	6.6	0.0	0.12		
SL01IB	BWN	Hor	34.1	298.4103	3.5	0.0	0.10		
SL01IB	JS1604	Hor	33.6	295.2236	38.7	0.3	1.15		
SL01IB	JS1605	Hor	35.4	303.7921	106.7	0.8	3.02	*	
SL01IB	JS1606	Hor	56.6	308.8603	-295.2	-1.2	-5.21	*	
SL01IB	JS1607	Hor	80.1	314.8957	35.7	0.1	0.45		
SL01IB	JS1603	Hor	36.8	291.2149	16.3	0.1	0.44		
SL01IB	2015	Zen	219.3	131.2866	-463.3	-2.0	-2.11		
SL01IB	2014	Zen	34.4	116.1509	23.2	0.2	0.68		
SL01IB	JS1406	Zen	33.3	96.8352	-73.8	-0.7	-2.21		
SL01IB	JS1503	Zen	57.5	94.9414	125.1	0.5	2.18		
SL01IB	JS1504	Zen	68.4	139.8187	90.1	0.3	1.32		
SL01IB	JS1602	Zen	59.2	111.5651	0.1	0.0	0.00		
SL01IB	BWN	Zen	37.8	108.9761	-1.0	-0.0	-0.03		
SL01IB	JS1604	Zen	37.6	101.0720	-27.4	-0.2	-0.73		
SL01IB	JS1605	Zen	37.7	122.0004	46.6	0.3	1.24		
SL01IB	JS1606	Zen	60.5	103.6781	-143.0	-0.6	-2.36		
SL01IB	JS1607	Zen	63.2	149.7521	-11.1	-0.0	-0.18		
SL01IB	JS1603	Zen	39.1	122.3656	19.2	0.1	0.49		
SL01IB	2015	Dist	5.1	3.0713		10.1	1.99		
SL01IB	2014	Dist	3.1	5.6859		9.9	3.16	*	

SL01IB	JS1406		3.2	5.9699	4.9	1.52	
SL01IB	JS1503	Dist	2.6	2.7994	10.4	4.06	*
SL01IB	JS1504	Dist	2.5	2.2586	5.6	2.29	
SL01IB	JS1602	Dist	2.5	2.6987	-3.3	-1.31	
SL01IB	BWN	Dist	3.0	4.9304	-1.1	-0.36	
SL01IB	JS1604	Dist	3.0	4.9687	-2.8	-0.93	
SL01IB	JS1605	Dist	3.0	4.9466	-2.4	-0.82	
SL01IB	JS1606	Dist	2.5	2.6227	-2.8	-1.10	
SL01IB	JS1607	Dist	2.5	2.4881	0.6	0.25	
SL01IB	JS1603	Dist	2.9	4.7040	-0.0	-0.01	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\carnet_reduit\SLMR03.obs									
SLMR03	P05	Ref	15.9	0.0088	88.2	2.2	5.54	*	240.3092
SLMR03	3010	Hor	28.9	212.3892	-46.9	-0.4	-1.62		
SLMR03	G2	Hor	38.5	272.9906	1.7	0.0	0.04		
SLMR03	1008	Hor	11.9	136.4604	11.7	0.3	0.99		
SLMR03	BW04	Hor	12.3	96.6955	-24.1	-1.1	-1.95		
SLMR03	1012	Hor	13.5	397.2333	-46.3	-0.8	-3.43	*	
SLMR03	BW10	Hor	14.4	76.7180	-0.1	-0.0	-0.01		
SLMR03	BW11	Hor	12.0	153.2809	5.0	0.3	0.42		
SLMR03	P05	Zen	19.9	98.4484	-40.6	-1.0	-2.04		
SLMR03	3010	Zen	32.1	118.3489	121.3	1.2	3.78	*	
SLMR03	G2	Zen	37.0	60.9604	36.2	0.2	0.98		
SLMR03	1008	Zen	15.8	107.0169	-4.9	-0.1	-0.31		
SLMR03	BW04	Zen	16.3	97.8549	-32.8	-1.5	-2.01		
SLMR03	1012	Zen	17.5	99.5708	-5.8	-0.1	-0.33		
SLMR03	BW10	Zen	18.4	96.1717	-39.3	-1.2	-2.14		
SLMR03	BW11	Zen	16.0	96.6579	-20.1	-1.0	-1.26		
SLMR03	P05	Dist	2.0	16.0649		-1.3	-0.67		
SLMR03	3010	Dist	2.0	6.3424		0.9	0.47		
SLMR03	G2	Dist	2.0	5.1027		1.7	0.84		
SLMR03	1008	Dist	1.0	16.5377		-1.3	-1.31		
SLMR03	BW04	Dist	2.0	29.4514		-0.6	-0.30		
SLMR03	1012	Dist	1.0	11.5981		-0.9	-0.89		
SLMR03	BW10	Dist	2.0	20.0494		-0.6	-0.28		
SLMR03	BW11	Dist	2.0	32.1444		-0.1	-0.03		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\170322_SL1703.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_17\SL1703\170322_SL1703.obs									
SL1703	JV0409	Ref	10.4	0.0026	25.7	2.2	2.48		99.5604
SL1703	G2	Hor	10.3	0.1945	29.0	2.5	2.81		
SL1703	P05	Hor	53.0	18.4825	-35.3	-2.4	-0.67		
SL1703	1005	Hor	36.5	151.2148	-45.9	-4.8	-1.26		
SL1703	1006	Hor	34.4	211.6358	-10.1	-1.2	-0.29		
SL1703	1007	Hor	66.7	375.2538	72.1	3.7	1.08		
SL1703	JN2006	Hor	10.3	371.0482	6.0	0.5	0.58		
SL1703	JN2013	Hor	10.4	372.3193	1.1	0.1	0.11		
SL1703	JN1701	Hor	10.0	372.3172	-0.7	-0.1	-0.07		
SL1703	JN1702	Hor	10.1	377.0764	1.7	0.2	0.17		
SL1703	JN2011	Hor	10.5	376.8470	-17.7	-1.4	-1.69		

SL1703	G3		9.2	379.3959	-25.6	-2.2	-2.79	
SL1703	JV0404	Hor	12.8	383.6176	-13.5	-1.1	-1.05	
SL1703	JV0409	Zen	14.4	97.6422	-11.8	-1.0	-0.82	
SL1703	G2	Zen	14.3	97.2018	-22.8	-1.9	-1.59	
SL1703	P05	Zen	57.0	100.2323	-0.4	-0.0	-0.01	
SL1703	1005	Zen	40.5	98.4727	51.9	5.5	1.28	
SL1703	1006	Zen	38.4	99.0108	27.0	3.1	0.70	
SL1703	1007	Zen	70.6	104.6056	109.6	5.6	1.55	
SL1703	JN2006	Zen	14.3	101.7099	-2.5	-0.2	-0.17	
SL1703	JN2013	Zen	14.4	102.1929	-10.6	-0.9	-0.74	
SL1703	JN1701	Zen	14.0	101.0436	-9.8	-1.0	-0.70	
SL1703	JN1702	Zen	14.1	101.1070	-5.6	-0.5	-0.39	
SL1703	JN2011	Zen	14.5	102.2337	58.2	4.7	4.02	*
SL1703	G3	Zen	13.2	97.4168	-7.3	-0.6	-0.55	
SL1703	JV0404	Zen	16.8	99.7211	-9.8	-0.8	-0.58	
SL1703	JV0409	Dist	2.0	54.1497		0.8	0.38	
SL1703	G2	Dist	1.0	54.3973		0.8	0.82	
SL1703	P05	Dist	1.0	42.4514		-2.6	-2.65	
SL1703	1005	Dist	1.0	67.0989		-0.1	-0.10	
SL1703	1006	Dist	1.0	72.3323		-1.7	-1.69	
SL1703	1007	Dist	1.0	32.6096		2.1	2.15	
SL1703	JN2006	Dist	2.0	54.2999		-0.6	-0.32	
SL1703	JN2013	Dist	2.0	53.5996		-0.4	-0.21	
SL1703	JN1701	Dist	2.0	62.6227		-0.3	-0.15	
SL1703	JN1702	Dist	2.0	59.7875		-1.0	-0.52	
SL1703	JN2011	Dist	2.0	51.3703		-0.7	-0.34	
SL1703	G3	Dist	1.0	54.2182		0.2	0.21	
SL1703	JV0404	Dist	3.0	52.9649		-1.1	-0.36	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\170322_SL1704.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau-thierry\topo\data_traitees\2022_03_17\SL1704\170322_SL1704.obs									
SL1704	JN1502	Ref	12.1	0.0011	10.5	0.5	0.87		108.6462
SL1704	JN1501	Hor	12.0	6.4607	16.0	0.8	1.33		
SL1704	JN1702	Hor	12.4	8.7338	5.0	0.2	0.41		
SL1704	JN2011	Hor	13.7	22.7476	-6.5	-0.2	-0.47		
SL1704	JV0410	Hor	13.0	19.3264	-2.2	-0.1	-0.17		
SL1704	JV0404	Hor	12.6	28.8403	-7.7	-0.3	-0.61		
SL1704	JV0411	Hor	12.4	33.6784	-24.4	-1.1	-1.97		
SL1704	JV0405	Hor	12.3	35.5669	5.4	0.3	0.44		
SL1704	MR0101	Hor	13.0	53.5873	-0.1	-0.0	-0.01		
SL1704	MR0201	Hor	12.6	53.7279	0.2	0.0	0.02		
SL1704	JV0407	Hor	11.8	42.6271	-1.9	-0.1	-0.16		
SL1704	G2	Hor	11.3	44.5382	8.1	0.5	0.72		
SL1704	MR0801	Hor	11.8	47.7104	-7.1	-0.4	-0.60		
SL1704	G1	Hor	10.9	9.6257	148.0	10.3	0.00	----	
SL1704	G3	Hor	12.9	20.9916	5.4	0.2	0.41		
SL1704	MR0502	Hor	11.5	52.3671	-12.9	-0.7	-1.12		
SL1704	MR0102	Hor	13.0	60.1879	-1.0	-0.0	-0.08		
SL1704	MR0503	Hor	11.4	58.7377	10.8	0.6	0.95		

SL1704	1012		23.6	66.2799	-35.3	-2.3	1.50	
SL1704	P05	Hor	52.4	72.3483	-77.2	-5.2	-1.47	
SL1704	1005	Hor	25.7	141.3853	20.5	3.5	0.80	
SL1704	1006	Hor	27.0	180.8461	38.4	6.1	1.43	
SL1704	JN1502	Zen	16.1	100.8063	8.7	0.4	0.54	
SL1704	JN1501	Zen	16.0	100.9370	5.5	0.3	0.34	
SL1704	JN1702	Zen	16.4	105.8251	1.1	0.1	0.07	
SL1704	JN2011	Zen	17.6	109.5879	-8.2	-0.3	-0.47	
SL1704	JV0410	Zen	17.0	100.1011	-1.1	-0.0	-0.06	
SL1704	JV0404	Zen	16.6	103.1403	5.9	0.3	0.36	
SL1704	JV0411	Zen	16.4	98.6114	-1.7	-0.1	-0.11	
SL1704	JV0405	Zen	16.3	103.5044	5.8	0.3	0.36	
SL1704	MR0101	Zen	16.9	108.5055	-13.1	-0.5	-0.77	
SL1704	MR0201	Zen	16.6	106.4618	0.0	0.0	0.00	
SL1704	JV0407	Zen	15.8	99.2480	3.1	0.2	0.20	
SL1704	G2	Zen	15.3	98.7099	4.1	0.2	0.27	
SL1704	MR0801	Zen	15.7	106.4596	9.6	0.5	0.61	
SL1704	G1	Zen	14.9	100.1810	118.9	8.3	0.00	---- --
SL1704	G3	Zen	16.9	98.5202	-26.1	-1.1	-1.54	
SL1704	MR0502	Zen	15.5	104.4876	6.9	0.4	0.45	
SL1704	MR0102	Zen	17.0	110.1466	-10.0	-0.4	-0.59	
SL1704	MR0503	Zen	15.4	104.8996	8.8	0.5	0.57	
SL1704	1012	Zen	27.5	103.2138	20.7	1.3	0.75	
SL1704	P05	Zen	56.4	102.5955	1.9	0.1	0.03	
SL1704	1005	Zen	29.7	99.9934	5.1	0.9	0.17	
SL1704	1006	Zen	31.0	100.3000	27.6	4.4	0.89	
SL1704	JN1502	Dist	2.0	31.2884		1.9	0.94	
SL1704	JN1501	Dist	2.0	31.6208		1.8	0.92	
SL1704	JN1702	Dist	2.0	28.8643		0.8	0.40	
SL1704	JN2011	Dist	2.0	22.6605		1.5	0.74	
SL1704	JV0410	Dist	2.0	25.4299		0.9	0.45	
SL1704	JV0404	Dist	2.0	27.7003		1.3	0.65	
SL1704	JV0411	Dist	2.0	29.1759		-0.6	-0.30	
SL1704	JV0405	Dist	2.0	29.9326		1.6	0.80	
SL1704	MR0101	Dist	2.0	25.7628		-0.2	-0.08	
SL1704	MR0201	Dist	2.0	27.6470		0.0	0.00	
SL1704	JV0407	Dist	2.0	33.2561		0.1	0.03	
SL1704	G2	Dist	2.0	39.1000		2.0	0.98	
SL1704	MR0801	Dist	2.0	34.0676		1.1	0.54	
SL1704	G1	Dist	1.0	44.2627		1.7	0.00	---- --
SL1704	G3	Dist	1.0	25.8827		1.7	1.73	
SL1704	MR0502	Dist	2.0	36.8637		-0.8	-0.40	
SL1704	MR0102	Dist	2.0	25.6673		-0.2	-0.09	
SL1704	MR0503	Dist	2.0	37.5715		0.5	0.24	
SL1704	1012	Dist	1.0	40.9465		-0.5	-0.53	
SL1704	P05	Dist	1.0	43.0063		-2.2	-2.24	
SL1704	1005	Dist	1.0	107.6044		9.4	0.00	---- --

SL1704	1006		1.0	100.6965	6.5	6.47	***

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* C:\Users\Formation\Desktop\data_traitees\3001.obs								
3001	1003	Ref	29.7	0.0024	24.5	3.4	0.82	270.6619
3001	P04	Hor	70.5	181.6814	60.6	2.9	0.86	
3001	P03	Hor	53.8	177.7635	-22.0	-1.4	-0.41	
3001	JS0609	Hor	12.3	153.9844	7.2	0.3	0.58	
3001	JS0610	Hor	12.9	145.4343	-1.3	-0.1	-0.10	
3001	JS0611	Hor	57.1	125.7252	1.7	0.0	0.03	
3001	JS0606	Hor	15.3	124.8039	-2.2	-0.1	-0.15	
3001	JS0603	Hor	12.8	147.8683	-1.9	-0.1	-0.15	
3001	JS0602	Hor	12.3	154.5843	-1.9	-0.1	-0.16	
3001	JS0601	Hor	12.2	161.4124	-0.1	-0.0	-0.01	
3001	JS0504	Hor	11.7	163.6124	-3.1	-0.2	-0.27	
3001	JS0503	Hor	53.5	170.5240	10.8	0.6	0.20	
3001	PP01	Hor	12.1	157.5472	6.0	0.3	0.49	
3001	G2	Hor	31.1	149.0768	4.7	0.2	0.15	
3001	JS0607	Hor	17.3	111.9725	-11.0	-0.2	-0.64	
3001	JS0608	Hor	12.1	157.5719	-0.1	-0.0	-0.01	
3001	JS0507	Hor	11.5	169.2839	-7.4	-0.4	-0.64	
3001	JV0409	Hor	12.6	148.4530	-1.3	-0.1	-0.11	
3001	JS0605	Hor	14.1	134.9747	-0.1	-0.0	-0.01	
3001	P05	Hor	134.3	107.1736	-100.0	-2.4	-0.74	
3001	1005	Hor	27.9	15.4890	33.0	5.0	1.18	
3001	1003	Zen	33.7	97.9591	-32.1	-4.4	-0.95	
3001	P04	Zen	74.3	94.9886	-9.7	-0.5	-0.13	
3001	P03	Zen	57.5	92.5709	30.2	2.0	0.53	
3001	JS0609	Zen	15.9	73.7002	-4.6	-0.2	-0.29	
3001	JS0610	Zen	16.6	75.0954	-4.3	-0.2	-0.26	
3001	JS0611	Zen	56.2	66.6322	20.8	0.6	0.37	
3001	JS0606	Zen	18.9	78.8748	6.9	0.2	0.36	
3001	JS0603	Zen	16.6	84.8344	3.4	0.1	0.21	
3001	JS0602	Zen	16.2	86.5490	19.8	0.9	1.22	
3001	JS0601	Zen	16.1	89.2884	0.0	0.0	0.00	
3001	JS0504	Zen	15.7	89.0783	18.9	1.0	1.20	
3001	JS0503	Zen	53.4	89.0321	9.8	0.6	0.18	
3001	PP01	Zen	16.0	87.7644	-5.6	-0.3	-0.35	
3001	G2	Zen	32.7	71.2691	-11.1	-0.5	-0.34	
3001	JS0607	Zen	20.4	71.5271	13.5	0.3	0.66	
3001	JS0608	Zen	15.9	80.9308	0.0	0.0	0.00	
3001	JS0507	Zen	15.4	84.4352	11.4	0.6	0.74	

3001	JV0409	Zen	16.2	72.0671	-9.9	-0.4	-0.61	
3001	JS0605	Zen	17.8	83.1057	11.5	0.4	0.64	
3001	P05	Zen	114.6	60.4174	126.9	3.0	1.11	
3001	1005	Zen	31.7	91.7059	11.1	1.7	0.35	
3001	1003	Dist	1.0	88.0286		-2.3	-2.30	
3001	P04	Dist	1.0	30.6610		-4.3	-4.34	*
3001	P03	Dist	1.0	41.9698		3.1	3.08	*
3001	JS0609	Dist	2.0	32.5779		1.6	0.81	
3001	JS0610	Dist	2.0	27.9408		-1.0	-0.51	
3001	JS0606	Dist	2.0	18.3232		-1.7	-0.83	
3001	JS0602	Dist	2.0	30.4522		-1.6	-0.82	
3001	JS0601	Dist	2.0	30.9923		0.0	0.00	
3001	JS0504	Dist	2.0	34.5263		14.6	0.00	---- --
3001	JS0503	Dist	2.0	37.2591		-1.1	-0.54	
3001	PP01	Dist	4.0	32.0216		-0.7	-0.18	
3001	G2	Dist	2.0	30.6889		0.1	0.07	
3001	JS0607	Dist	2.0	15.1284		-1.0	-0.50	
3001	JS0608	Dist	2.0	32.6188		0.0	0.00	
3001	JS0507	Dist	2.0	37.2095		-1.2	-0.60	
3001	JV0409	Dist	2.0	30.5996		-0.2	-0.09	
3001	JS0605	Dist	2.0	21.8007		-2.6	-1.32	
3001	P05	Dist	2.0	18.6097		4.8	2.38	
3001	1005	Dist	1.0	97.0142		-2.2	-2.15	

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Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* C:\Users\Formation\Desktop\data_traitees\SL1707.obs									
SL1707	1004	Ref	174.0	-0.0057	-56.9	-0.3	-0.33		336.3416
SL1707	1005	Hor	28.5	106.2139	-62.6	-3.1	-2.20		
SL1707	G2	Hor	8.9	129.8512	13.9	3.1	1.56		
SL1707	1012	Hor	13.0	130.9656	-9.2	-1.8	-0.71		
SL1707	P05	Hor	23.5	131.6783	-0.1	-0.0	-0.00		
SL1707	1003	Hor	26.3	152.6818	-30.5	-1.7	-1.16		
SL1707	1004	Zen	168.7	121.4545	251.1	1.5	1.49		
SL1707	1005	Zen	32.5	99.7377	5.8	0.3	0.18		
SL1707	G2	Zen	12.9	99.1842	-47.5	-10.5	0.00	--- ---	
SL1707	1012	Zen	17.0	100.3751	-2.7	-0.6	-0.16		
SL1707	P05	Zen	27.5	100.3812	-20.7	-4.0	-0.75		
SL1707	1003	Zen	29.6	117.7073	-7.6	-0.4	-0.26		

SL1707	1004	Dist	1.0	4.0636	-2.4	-2.37	
SL1707	1005	Dist	1.0	31.0196	1.3	1.34	
SL1707	1012	Dist	1.0	127.4907	-1.0	-1.00	
SL1707	P05	Dist	2.0	123.2132	6.5	0.00	--- ---
SL1707	1003	Dist	1.0	36.2538	-1.0	-1.05	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SL1706.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* C:\Users\Formation\Desktop\data_traitees\SL1706.obs								
SL1706	1003	Ref	77.2	0.0031	30.9	0.4	0.40	264.2171
SL1706	1012	Hor	30.2	194.7812	9.6	1.3	0.32	
SL1706	P05	Hor	31.4	195.4118	-45.6	-5.9	-1.46	
SL1706	JS0503	Hor	9.1	197.6859	-1.3	-0.2	-0.15	
SL1706	JS0507	Hor	9.1	197.4181	1.7	0.3	0.19	
SL1706	G2	Hor	9.3	194.3401	6.6	1.0	0.71	
SL1706	JV0409	Hor	9.3	194.1677	-4.4	-0.7	-0.47	
SL1706	1005	Hor	32.0	69.6172	5.0	0.2	0.16	
SL1706	1003	Zen	80.6	108.4314	-26.1	-0.4	-0.32	
SL1706	1012	Zen	34.0	93.4647	-1.8	-0.2	-0.05	
SL1706	P05	Zen	35.2	93.7968	-9.5	-1.2	-0.27	
SL1706	JS0503	Zen	13.1	98.0020	-15.0	-2.7	-1.14	
SL1706	JS0507	Zen	13.1	96.5007	-3.7	-0.6	-0.28	
SL1706	G2	Zen	13.3	93.3085	-1.7	-0.3	-0.13	
SL1706	JV0409	Zen	13.3	93.5459	-6.4	-1.0	-0.48	
SL1706	1005	Zen	34.7	79.5109	53.8	2.2	1.55	
SL1706	1003	Dist	1.0	9.2764		-0.5	-0.48	
SL1706	1012	Dist	1.0	86.6414		-1.6	-1.59	
SL1706	P05	Dist	1.0	82.1507		0.7	0.68	
SL1706	JS0503	Dist	4.0	112.7989		-2.4	-0.59	
SL1706	JS0507	Dist	4.0	112.1095		-0.8	-0.20	
SL1706	G2	Dist	2.0	100.4321		1.7	0.85	
SL1706	JV0409	Dist	2.0	100.3062		-0.2	-0.11	
SL1706	1005	Dist	1.0	28.0009		-0.9	-0.90	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\18032022_SL1801.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\Topo\data_traitees\2022_03_18\SL1801\18032022_SL1801.obs								
SL1801	BW11	Ref	11.4	0.0003	2.9	0.2	0.26	11.4238
SL1801	JN2104	Hor	11.4	0.5654	5.0	0.3	0.44	
SL1801	JN2103	Hor	11.4	4.0084	-11.0	-0.7	-0.97	
SL1801	1008	Hor	99.7	1.1099	-9.8	-0.3	-0.10	
SL1801	JN1802	Hor	11.4	7.2139	-3.1	-0.2	-0.28	
SL1801	JN1803	Hor	11.4	11.9145	-3.1	-0.2	-0.28	
SL1801	JN1801	Hor	11.4	15.8498	2.3	0.1	0.20	
SL1801	G3	Hor	10.6	18.3995	14.2	0.5	1.33	
SL1801	JV0404	Hor	14.1	23.2630	-3.5	-0.1	-0.24	
SL1801	JV0411	Hor	14.8	27.7789	-11.6	-0.3	-0.78	
SL1801	3010	Hor	119.7	52.4779	52.1	1.4	0.44	
SL1801	G2	Hor	12.3	70.0415	20.5	0.5	1.66	
SL1801	MR0507	Hor	38.1	130.4717	7.5	0.0	0.20	
SL1801	MR0503	Hor	28.6	83.0005	-13.5	-0.1	-0.47	
SL1801	MR0506	Hor	25.5	74.3698	-2.5	-0.0	-0.10	
SL1801	MR0901	Hor	19.0	56.5030	-8.6	-0.2	-0.45	
SL1801	MR0206	Hor	24.7	64.4331	-10.4	-0.1	-0.42	

SL1801	MR0304		24.1	28.7807	-0.1	-0.0	-0.00
SL1801	MR0303	Hor	236.7	22.1766	-104.8	-0.9	-0.44
SL1801	MR0204	Hor	21.6	12.8724	-13.8	-0.2	-0.64
SL1801	MR0105	Hor	19.4	397.8035	-7.4	-0.1	-0.38
SL1801	MR0104	Hor	20.7	385.7304	-18.3	-0.3	-0.88
SL1801	MR0702	Hor	20.8	44.8345	0.2	0.0	0.01
SL1801	BW04	Hor	12.9	350.0988	5.0	0.2	0.39
SL1801	BW10	Hor	17.1	341.7824	11.1	0.2	0.65
SL1801	1006	Hor	24.9	298.0085	8.4	1.5	0.34
SL1801	1005	Hor	27.5	259.8168	-53.5	-8.3	-1.95
SL1801	P05	Hor	250.1	185.0679	-73.9	-0.9	-0.30
SL1801	BW11	Zen	15.4	98.6701	-12.1	-0.7	-0.79
SL1801	JN2104	Zen	15.4	102.7558	-2.0	-0.1	-0.13
SL1801	JN2103	Zen	15.4	98.7813	-16.7	-1.0	-1.09
SL1801	1008	Zen	102.9	108.2687	0.6	0.0	0.01
SL1801	JN1802	Zen	15.4	98.4820	2.6	0.2	0.17
SL1801	JN1803	Zen	15.4	101.8068	6.1	0.4	0.40
SL1801	JN1801	Zen	15.4	98.4555	-8.5	-0.5	-0.56
SL1801	G3	Zen	14.6	95.1522	10.7	0.4	0.73
SL1801	JV0404	Zen	18.1	100.3741	4.5	0.1	0.25
SL1801	JV0411	Zen	18.8	93.5936	-5.1	-0.1	-0.27
SL1801	3010	Zen	122.6	108.8948	-56.6	-1.5	-0.46
SL1801	G2	Zen	16.3	91.2027	-9.3	-0.2	-0.57
SL1801	MR0507	Zen	40.1	123.1082	12.2	0.1	0.30
SL1801	MR0503	Zen	31.9	116.5568	-15.1	-0.1	-0.47
SL1801	MR0506	Zen	28.3	123.7571	13.5	0.2	0.48
SL1801	MR0901	Zen	22.8	111.2768	4.9	0.1	0.21
SL1801	MR0206	Zen	27.7	122.1440	18.8	0.2	0.68
SL1801	MR0304	Zen	26.8	126.2262	0.0	0.0	0.00
SL1801	MR0303	Zen	214.6	130.6840	-268.9	-2.4	-1.25
SL1801	MR0204	Zen	25.1	116.5519	-3.6	-0.1	-0.15
SL1801	MR0105	Zen	23.2	111.5944	2.6	0.0	0.11
SL1801	MR0104	Zen	24.3	116.6172	-12.4	-0.2	-0.51
SL1801	MR0702	Zen	24.4	115.7632	0.0	0.0	0.00
SL1801	BW04	Zen	16.9	99.7749	-8.4	-0.3	-0.50
SL1801	BW10	Zen	21.1	98.6139	15.8	0.3	0.75
SL1801	1006	Zen	28.9	99.5660	37.5	6.6	1.30
SL1801	1005	Zen	31.5	99.9646	8.1	1.3	0.26
SL1801	P05	Zen	248.5	113.6053	238.4	3.0	0.96
SL1801	BW11	Dist	2.0	37.6168		-0.2	-0.11
SL1801	JN2104	Dist	2.0	37.7156		-0.4	-0.20
SL1801	JN2103	Dist	2.0	37.5566		0.1	0.07
SL1801	1008	Dist	1.0	21.0014		-0.1	-0.15
SL1801	JN1802	Dist	2.0	37.5345		-0.0	-0.00
SL1801	JN1803	Dist	2.0	37.6068		-0.7	-0.36
SL1801	JN1801	Dist	2.0	37.9183		-1.2	-0.62
SL1801	G3	Dist	1.0	24.2508		0.8	0.77
SL1801	JV0404	Dist	2.0	20.8440		1.0	0.48
SL1801	JV0411	Dist	2.0	18.7103		-0.7	-0.35
SL1801	3010	Dist	1.0	17.2606		2.6	2.57
SL1801	G2	Dist	1.0	14.7784		0.4	0.35
SL1801	MR0507	Dist	2.0	4.5237		-0.3	-0.17
SL1801	MR0503	Dist	2.0	6.3983		-0.2	-0.10
SL1801	MR0506	Dist	2.0	7.8290		0.0	0.02
SL1801	MR0901	Dist	2.0	11.7754		-0.1	-0.03
SL1801	MR0206	Dist	2.0	8.1286		0.6	0.28
SL1801	MR0304	Dist	2.0	8.6125		0.0	0.00
SL1801	MR0303	Dist	2.0	6.2842		-4.3	-2.15
SL1801	MR0204	Dist	2.0	9.7031		-1.4	-0.69
SL1801	MR0105	Dist	2.0	11.3377		-0.8	-0.41
SL1801	MR0104	Dist	2.0	10.3458		-0.7	-0.36
SL1801	MR0702	Dist	2.0	10.2290		0.0	0.00

SL1801	BW04		2.0	25.8000		-0.5	-0.25
SL1801	BW10	Dist	2.0	13.9642		0.2	0.09
SL1801	1006	Dist	1.0	112.7689		-2.1	-2.06
SL1801	1005	Dist	1.0	98.1782		-0.8	-0.75
SL1801	P05	Dist	1.0	8.0735		1.0	1.01

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\18032022_SL1802.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* D:_Chateau-thierry\Topo\data_traitees\2022_03_18\SL1802\18032022_SL1802.obs								
SL1802	BW04	Ref	13.3	-0.0004	-3.8	-0.1	-0.28	324.0631
SL1802	BW11	Hor	13.2	73.6897	-21.7	-0.8	-1.64	
SL1802	JN2104	Hor	13.2	74.5734	-13.2	-0.5	-1.00	
SL1802	JN1803	Hor	13.4	92.1085	-5.0	-0.2	-0.37	
SL1802	G3	Hor	14.5	98.1328	35.7	0.5	2.46	
SL1802	JV0411	Hor	38.1	129.8983	-51.1	-0.3	-1.34	
SL1802	MR0504	Hor	24.1	232.8164	2.9	0.0	0.12	
SL1802	MR0501	Hor	23.2	249.1403	4.1	0.1	0.18	
SL1802	MR0505	Hor	22.8	259.3016	-0.1	-0.0	-0.00	
SL1802	MR0502	Hor	21.6	266.7402	8.4	0.1	0.39	
SL1802	MR0503	Hor	18.7	283.5368	-11.6	-0.2	-0.62	
SL1802	MR0507	Hor	16.2	293.4763	9.6	0.2	0.59	
SL1802	MR0801	Hor	30.4	256.9618	7.8	0.1	0.26	
SL1802	MR0701b	Hor	30.0	272.4534	-0.1	-0.0	-0.00	
SL1802	MR0205	Hor	31.6	305.7455	-3.1	-0.0	-0.10	
SL1802	MR0301	Hor	29.8	309.3796	0.5	0.0	0.02	
SL1802	MR0203	Hor	34.2	331.6301	1.1	0.0	0.03	
SL1802	MR0202	Hor	32.7	366.5201	-0.1	-0.0	-0.00	
SL1802	MR0403	Hor	21.5	350.2487	-5.0	-0.1	-0.23	
SL1802	BW10	Hor	15.5	368.3052	22.4	0.6	1.45	
SL1802	P05	Hor	96.8	297.5114	-5.6	-0.2	-0.06	
SL1802	1007	Hor	112.0	390.3766	-63.3	-1.8	-0.56	
SL1802	BW04	Zen	17.3	97.1177	5.1	0.2	0.30	
SL1802	BW11	Zen	17.2	95.4088	14.9	0.6	0.87	
SL1802	JN2104	Zen	17.2	101.6519	5.1	0.2	0.29	
SL1802	JN1803	Zen	17.4	100.2012	-0.0	-0.0	-0.00	
SL1802	G3	Zen	18.3	81.9954	23.9	0.4	1.31	
SL1802	JV0411	Zen	36.9	62.0172	31.5	0.2	0.85	
SL1802	MR0504	Zen	28.1	103.3044	-5.4	-0.1	-0.19	
SL1802	MR0501	Zen	27.2	99.1588	-27.7	-0.4	-1.02	
SL1802	MR0505	Zen	26.7	107.0067	-0.0	-0.0	-0.00	
SL1802	MR0502	Zen	25.5	102.4386	-43.3	-0.6	-1.70	
SL1802	MR0503	Zen	22.6	103.4742	-34.9	-0.7	-1.54	
SL1802	MR0507	Zen	20.2	102.5057	-1.6	-0.0	-0.08	
SL1802	MR0801	Zen	33.9	113.3816	-8.1	-0.1	-0.24	
SL1802	MR0701b	Zen	33.4	114.4617	0.0	0.0	0.00	
SL1802	MR0205	Zen	34.8	117.0885	6.5	0.1	0.19	
SL1802	MR0301	Zen	33.2	113.9715	-0.0	-0.0	-0.00	
SL1802	MR0203	Zen	37.2	118.1600	9.8	0.1	0.26	
SL1802	MR0202	Zen	35.6	118.7146	-0.0	-0.0	-0.00	
SL1802	MR0403	Zen	25.4	108.2731	3.4	0.1	0.13	
SL1802	BW10	Zen	19.4	95.1710	8.4	0.2	0.43	
SL1802	P05	Zen	100.8	98.5683	-14.7	-0.5	-0.15	
SL1802	1007	Zen	114.7	110.0349	215.5	6.2	1.88	
SL1802	BW04	Dist	2.0	23.9567		-1.5	-0.74	
SL1802	BW11	Dist	2.0	24.6869		-1.1	-0.54	
SL1802	JN2104	Dist	2.0	24.6307		-0.3	-0.14	
SL1802	JN1803	Dist	2.0	23.4491		-0.9	-0.44	
SL1802	G3	Dist	1.0	10.1697		-0.8	-0.83	
SL1802	JV0411	Dist	2.0	5.1129		-0.1	-0.07	
SL1802	MR0504	Dist	2.0	7.9184		0.9	0.44	

SL1802	MR0501		2.0	8.3933	0.3	0.13	
SL1802	MR0505	Dist	2.0	8.6335	0.0	0.00	
SL1802	MR0502	Dist	2.0	9.4002	0.7	0.36	
SL1802	MR0503	Dist	2.0	11.9592	0.2	0.10	
SL1802	MR0507	Dist	2.0	15.5830	-0.5	-0.25	
SL1802	MR0801	Dist	2.0	5.8201	0.1	0.05	
SL1802	MR0701b	Dist	2.0	5.9480	0.0	0.00	
SL1802	MR0205	Dist	2.0	5.5885	-0.0	-0.02	
SL1802	MR0301	Dist	2.0	5.9925	0.0	0.00	
SL1802	MR0203	Dist	2.0	5.0623	0.3	0.15	
SL1802	MR0202	Dist	2.0	5.3945	0.0	0.00	
SL1802	MR0403	Dist	2.0	9.5088	0.8	0.40	
SL1802	BW10	Dist	2.0	17.1157	-3.3	-1.67	
SL1802	P05	Dist	1.0	21.5039	1.9	1.94	
SL1802	1007	Dist	1.0	18.5932	0.2	0.19	

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SL1810.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* C:\Users\Formation\Desktop\Topo\carnet_reduit\SL1810.obs									
SL1810	1002	Ref	12.7	398.4262	-11.6	-0.5	-0.92		110.7737
SL1810	JV0201	Hor	19.7	396.3729	-35.9	-0.6	-1.82		
SL1810	JS0311	Hor	20.2	9.6448	21.7	0.4	1.08		
SL1810	JS0312	Hor	22.0	12.7702	33.6	0.5	1.53		
SL1810	JS0314	Hor	44.4	99.3841	11.1	0.1	0.25		
SL1810	1007	Hor	14.1	187.0125	20.2	0.7	1.43		
SL1810	JS0308	Hor	22.4	164.0542	-32.6	-0.5	-1.45		
SL1810	1002	Zen	16.7	103.3676	49.0	2.1	2.94		
SL1810	JV0201	Zen	23.2	81.1673	-56.2	-1.0	-2.42		
SL1810	JS0311	Zen	23.5	79.4226	1.3	0.0	0.05		
SL1810	JS0312	Zen	25.2	78.7116	22.1	0.3	0.88		
SL1810	JS0314	Zen	44.7	71.0719	-65.2	-0.4	-1.46		
SL1810	1007	Zen	18.1	98.2350	150.4	4.9	8.30	***	
SL1810	JS0308	Zen	26.4	98.1284	-99.4	-1.4	-3.76	*	
SL1810	1002	Dist	1.0	27.3033		3.3	3.27	*	
SL1810	JV0201	Dist	2.0	11.3745		-1.0	-0.49		
SL1810	JS0311	Dist	2.0	11.0269		-1.1	-0.56		
SL1810	JS0312	Dist	2.0	9.6434		-1.6	-0.78		
SL1810	JS0314	Dist	2.0	3.8906		2.1	1.03		
SL1810	1007	Dist	1.0	20.8088		-16.7	0.00	-----	
SL1810	JS0308	Dist	2.0	8.8298		0.8	0.39		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\SL1811.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.	V0
* C:\Users\Formation\Desktop\Topo\carnet_reduit\SL1811.obs								
SL1811	1002	Ref	12.4	31.2749	-35.6	-0.8	-2.88	72.6600
SL1811	JN0312I	Hor	8.0	271.1892	-0.1	-0.0	-0.01	
SL1811	JN0312	Hor	8.0	271.3932	0.2	0.0	0.02	

SL1811	JV0301	Hor	8.0	235.7093	-14.4	-0.2	-1.80	
SL1811	1007	Hor	9.9	231.7459	45.1	2.4	4.55	*
SL1811	1002	Zen	16.4	101.4725	27.4	0.6	1.67	
SL1811	JN0312I	Zen	12.0	50.1313	0.0	0.0	0.00	
SL1811	JN0312	Zen	12.0	49.5551	0.0	0.0	0.00	
SL1811	JV0301	Zen	12.0	66.2243	-24.6	-0.3	-2.05	
SL1811	1007	Zen	13.9	96.7850	69.1	3.6	4.96	*
SL1811	1002	Dist	1.0	14.5798		-3.2	-3.20	*
SL1811	JN0312I	Dist	2.0	6.6925		0.0	0.00	
SL1811	JN0312	Dist	2.0	6.7185		0.0	0.00	
SL1811	JV0301	Dist	2.0	8.9628		5.8	2.88	
SL1811	1007	Dist	1.0	33.3433		22.8	0.00	--- ---

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\180322_SL21.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\data_traitees\2022_03_18\SL1821\180322_SL21.obs									
SL1821	BW08	Ref	23.1	0.0004	4.4	0.1	0.19		7.3385
SL1821	JS1206	Hor	40.1	342.0701	0.2	0.0	0.00		
SL1821	BW12	Hor	42.4	241.7500	3.8	0.0	0.09		
SL1821	JS1110	Hor	50.9	214.5418	31.2	0.1	0.61		
SL1821	3011	Hor	41.4	236.3320	-5.6	-0.0	-0.13		
SL1821	3018	Hor	21.4	61.0445	-14.4	-0.1	-0.67		
SL1821	2013	Hor	17.1	1.1453	8.7	0.1	0.51		
SL1821	JS1106	Hor	27.7	80.8673	13.2	0.1	0.48		
SL1821	2012	Hor	24.5	2.8997	-20.8	-0.1	-0.85		
SL1821	BW08	Zen	27.1	98.3389	-1.9	-0.0	-0.07		
SL1821	JS1206	Zen	42.2	122.2694	0.0	0.0	0.00		
SL1821	BW12	Zen	46.2	94.6406	-1.1	-0.0	-0.02		
SL1821	JS1110	Zen	54.6	107.3303	-152.6	-0.7	-2.80		
SL1821	3011	Zen	38.9	140.1877	-9.7	-0.0	-0.25		
SL1821	3018	Zen	24.8	119.0190	-104.5	-0.8	-4.22	*	
SL1821	2013	Zen	21.0	111.4067	116.3	1.3	5.54	*	
SL1821	JS1106	Zen	31.1	84.7948	89.4	0.9	2.87		
SL1821	2012	Zen	27.4	123.7175	5.5	0.0	0.20		
SL1821	BW08	Dist	17.8	8.4196		3.1	0.18		
SL1821	JS1206	Dist	9.4	4.2220		0.0	0.00		
SL1821	BW12	Dist	8.4	3.7178		-3.2	-0.38		
SL1821	JS1110	Dist	7.0	2.9897		-3.3	-0.48		
SL1821	3011	Dist	3.4	2.3632		4.2	1.25		
SL1821	3018	Dist	6.0	4.9814		-2.6	-0.44		
SL1821	2013	Dist	8.1	7.0799		8.9	1.10		
SL1821	JS1106	Dist	14.3	6.6625		1.5	0.10		
SL1821	2012	Dist	5.1	4.1336		5.6	1.10		

\\del1502n002\projets_LPRO3_2022\Chateau_Thierry\Calcul_Comp3D\OBS2\180322_SL22.OBS niv -2

Station	Pt_Vise	Code	Sigma	Calculé	Résidu dmgr	Résidu mm	Résidu norm.		V0
* D:_Chateau_Thierry\Topo\data_traitees\2022_03_18\SL1822\180322_SL22.obs									
SL1822	3018	Ref	13.1	395.4174	20.5	0.4	1.57		104.9377
SL1822	JS1106	Hor	16.6	-0.0037	-37.4	-0.9	-2.26		
SL1822	3010	Hor	90.7	72.2206	-23.5	-0.1	-0.26		
SL1822	BW13	Hor	58.9	126.9502	0.2	0.0	0.00		
SL1822	JS1201	Hor	56.2	196.5584	54.8	0.2	0.98		

SL1822	JS1106	Zen	20.5	92.0447	-81.4	-1.9	-3.96	*
SL1822	3018	Zen	17.0	105.9672	105.4	2.1	6.19	***
SL1822	3010	Zen	85.9	129.6134	-303.2	-1.1	-3.53	*
SL1822	BW13	Zen	61.7	86.1761	0.0	0.0	0.00	
SL1822	JS1201	Zen	60.1	98.0280	-14.8	-0.1	-0.25	
SL1822	JS1106	Dist	30.8	14.9194		-6.1	-0.20	
SL1822	3018	Dist	13.6	12.6373		-8.7	0.00	---- --
SL1822	3010	Dist	3.6	2.5854		-10.6	0.00	---- --
SL1822	BW13	Dist	6.1	2.5615		0.0	0.00	
SL1822	JS1201	Dist	6.3	2.6454		5.4	0.86	

Compensation des référentiels

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L001.XYZ	P05	-1.619	8.966	7.705	1.300	3.0	-0.5	-0.3	2.1	2.1	1.2
	G2	13.280	19.383	10.251	0.197	3.0	0.4	-0.2	1.2	1.3	0.6
	JS0409	13.067	19.571	9.866	0	3.0	1.2	-0.3	0.8	1.5	0.7
	1002	37.623	25.713	2.024	1.033	3.0	-4.1	1.9	-3.6	5.8	-2.5
	P04	26.508	12.301	-0.726	1.300	3.0	6.2	-1.5	4.7	7.9	4.9
	3001	1.855	-5.759	-3.264	1.300	3.0	-3.5	1.3	-1.5	4.1	-1.4
	JS0611	2.922	12.105	7.215	0	3.0	0.4	-0.9	-3.7	3.8	-2.6

L001

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L002.XYZ	JV0409	-10.150	-3.618	8.415	0	3.0	0.4	0.4	0.0	0.6	-0.4
	G2	-10.190	-3.337	8.799	0.197	3.0	-0.0	-0.4	1.2	1.3	0.9
	JS0609	-13.096	-2.155	8.492	0	3.0	-2.1	-1.6	2.4	3.6	3.3
	JS0610	-7.907	-3.903	6.069	0	3.0	1.1	0.5	0.3	1.3	-0.8
	JS0611	2.413	-4.542	5.760	0	3.0	1.4	-1.0	-0.7	1.8	0.5
	BW05	-16.680	-0.640	1.187	0	3.0	1.8	0.7	-0.3	1.9	-1.8
	P03	-26.841	8.931	0.307	1.300	3.0	-1.6	1.5	-4.8	5.3	1.9
	P04	-15.637	10.645	-2.177	1.300	3.0	4.8	-1.2	3.6	6.1	-5.0
	BW03	-1.099	9.108	-2.693	0	3.0	-0.7	-0.6	0.6	1.1	-0.7
	3001	14.837	8.337	-4.716	1.300	3.0	-2.4	0.3	-1.5	2.9	-1.5
	PP01	-15.159	-1.050	1.533	0	3.0	-2.7	1.5	-0.9	3.2	2.4

L002

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L003.XYZ	G2	1.553	-5.730	8.721	0.197	3.0	-2.6	0.2	-0.1	2.6	-0.5
	PP01	-3.761	-4.446	1.456	0	3.0	-1.3	0.8	-3.1	3.5	-0.5
	P04	-6.481	6.941	-2.258	1.300	3.0	5.3	1.1	5.4	7.6	-3.9
	BW03	8.080	8.232	-2.771	0	3.0	-0.8	0.9	-0.6	1.4	0.2
	3001	23.867	10.543	-4.792	1.300	3.0	-1.2	1.4	-4.8	5.1	0.4

	JS0610	3.903	-5.850	5.990	0	3.0	1.6	-1.9	0.1	2.5	1.9
	JS0609	-1.524	-5.133	8.412	0	3.0	-1.0	-2.4	3.2	4.1	4.1
L003											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	G2	-0.869	-4.391	6.301	0.197	3.0	-1.6	-0.4	0.6	1.8	0.8
	JS0409	-0.603	-4.489	5.917	0	3.0	-1.2	0.3	-0.8	1.5	-0.7
	BW05	-6.323	-8.823	-1.312	0	3.0	0.5	0.8	0.1	1.0	-1.0
	P04	-15.758	-2.548	-4.678	1.300	3.0	6.2	-1.2	6.0	8.7	-7.4
LASER\L004.XYZ	BW03	-7.504	9.519	-5.191	0	3.0	1.5	-0.3	0.0	1.5	-1.0
	3001	0.737	23.178	-7.212	1.300	3.0	-2.3	-0.3	-4.1	4.7	0.9
	PP01	-5.241	-7.680	-0.967	0	3.0	-5.0	0.7	0.5	5.1	2.2
	JS0610	0.714	-2.650	3.572	0	3.0	0.7	0.5	-1.3	1.5	-1.2
	JS0603	-0.306	-3.478	-0.604	0	3.0	1.1	-0.1	-0.9	1.4	0.1
L004											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	G2	9.530	-4.726	8.047	0.197	3.0	0.9	1.1	1.8	2.3	1.4
	P05	27.194	-0.441	5.503	1.300	3.0	-1.0	-2.6	0.7	2.9	-0.8
LASER\L005.XYZ	3001	29.313	14.541	-5.466	1.300	3.0	-3.0	1.3	-2.9	4.4	-1.6
	1002	-15.448	-1.775	-0.176	1.033	3.0	-2.2	1.6	-7.0	7.5	2.0
	P04	-0.220	6.680	-2.932	1.300	3.0	5.3	-1.4	7.3	9.1	-4.4
L005											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	3001	32.590	-9.021	-2.795	1.300	3.0	-2.3	-0.5	3.0	3.8	-2.3
	P05	23.112	-20.808	8.178	1.300	3.0	1.6	2.7	2.5	4.0	0.1
	G2	5.735	-15.453	10.726	0.197	3.0	-0.6	0.3	-0.3	0.7	-0.6
LASER\L006.XYZ	G1	-16.752	-10.112	9.808	0.197	3.0	-0.7	0.5	-0.4	1.0	0.1
	SM01	-0.030	-9.642	6.452	0	3.0	1.4	-7.9	-3.1	8.6	4.8
	SM02	-2.648	-7.557	2.609	0	3.0	1.7	-1.6	-1.5	2.7	0.4
	P03	-8.125	-0.101	2.534	1.605	3.0	-3.1	4.5	-1.3	5.6	2.5
	P04	3.195	-0.661	-0.249	1.300	3.0	2.0	2.0	1.1	3.0	1.5
L006											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	P03	-0.490	-2.788	-0.055	1.605	3.0	-3.3	4.0	0.4	5.3	-3.4
	1002	1.404	-8.577	0.028	1.150	3.0	2.0	-1.1	-4.4	4.9	1.4
	G1	11.670	-7.963	7.220	0.197	3.0	-1.2	-0.1	0.3	1.2	-0.7
LASER\L007.XYZ	P02	2.735	-26.918	-3.062	1.300	3.0	1.2	-1.3	0.1	1.8	1.4
	P04	-3.397	8.166	-2.836	1.300	3.0	2.4	0.3	0.9	2.6	-0.8
	3001	-4.370	38.712	-5.382	1.300	3.0	-1.1	-1.9	2.7	3.5	-2.1
L007											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	P02	-12.044	-17.518	-2.876	1.300	3.0	3.7	-2.3	-1.3	4.6	-0.0
	P01	15.236	-26.468	3.006	1.211	3.0	-0.8	0.4	-1.5	1.8	-0.9
LASER\L008.XYZ	3001	20.321	40.019	-5.189	1.300	3.0	0.3	0.4	-5.7	5.7	1.2
	P04	3.356	14.592	-2.658	1.300	3.0	1.0	-2.5	7.5	7.9	-3.5
	G1	6.241	-7.288	7.406	0.197	3.0	-2.1	-0.7	-1.1	2.4	-1.3
	P03	-0.639	3.992	-0.182	1.300	3.0	2.5	2.7	7.0	7.9	1.9
	1002	-2.476	-1.818	0.360	1.297	3.0	-4.7	2.0	-4.8	7.0	2.0
L008											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**

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	P01	23.229	12.994	3.411	1.211	3.0	-0.7	1.1	1.1	1.7	1.2
	SM04	-4.164	4.297	-1.072	0	3.0	2.3	-0.4	0.6	2.4	-1.9
	1002	4.890	1.564	0.767	1.297	3.0	-5.4	2.0	-4.2	7.2	-5.1
	BW02	-6.107	5.043	1.594	0	3.0	-1.8	-0.7	-1.5	2.5	0.6
LASER\L009.XYZ	P03	6.430	-4.331	0.227	1.300	3.0	0.7	2.5	5.6	6.2	-0.7
	P02	4.627	19.947	-2.469	1.300	3.0	3.8	-1.9	-0.7	4.3	-0.9
	JV0105	-6.038	-5.440	8.687	0	3.0	0.8	-0.4	0.8	1.2	0.4
	3002	-17.855	-17.580	2.164	1.300	3.0	0.4	-2.2	-1.6	2.8	1.1

L009

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW02	-6.051	5.840	1.219	0	3.0	-0.7	-1.8	-0.5	2.0	-0.8
LASER\L010.XYZ	SM04	-3.969	5.922	-1.447	0	3.0	-0.3	-0.6	1.5	1.7	-0.6
	P03	9.164	2.157	-0.141	1.300	3.0	0.7	1.7	-0.4	1.9	1.1
	3002	-7.944	-19.581	1.789	1.300	3.0	0.3	0.7	-0.6	1.0	-0.8

L010

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	3002	-15.473	10.996	1.477	1.300	3.0	-2.4	-2.2	-2.3	4.0	0.5
	P02	25.669	-3.866	-3.155	1.300	3.0	3.3	-3.3	-2.4	5.2	4.0
LASER\L011.XYZ	SM04	8.625	1.754	-1.758	0	3.0	-2.6	1.5	-1.2	3.2	-2.0
	P03	2.185	-10.295	-0.461	1.300	3.0	1.8	4.1	5.9	7.4	-3.9

L011

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	G2	-7.385	8.207	2.281	0.197	3.0	-0.5	0.9	0.3	1.1	1.1
	JV0409	-7.482	7.940	1.896	0	3.0	-0.6	0.6	0.2	0.8	0.8
	SM05	-10.003	5.929	-1.089	0	3.0	-1.1	-3.0	0.9	3.3	-0.6
LASER\L012.XYZ	G3	-23.370	0.730	2.090	0.197	3.0	-0.9	2.1	0.6	2.3	1.0
	BW04	-16.442	-23.898	0.337	0	3.0	2.0	0.3	-0.1	2.0	-1.4
	P05	7.788	-1.808	-0.084	1.478	3.0	1.1	-0.9	-1.8	2.3	1.3

L012

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	G2	-16.329	-1.042	1.817	0.197	3.0	-0.3	0.3	0.3	0.5	0.3
	JV0409	-16.094	-1.201	1.432	0	3.0	-0.5	0.3	0.1	0.6	0.5
	SM05	-14.761	-4.135	-1.553	0	3.0	-2.2	-1.4	0.8	2.7	2.4
LASER\L013.XYZ	JV0411	-12.909	-11.989	1.661	0	3.0	-2.1	1.0	0.3	2.3	0.8
	G3	-12.983	-18.369	1.626	0.197	3.0	0.4	1.7	0.5	1.8	-1.6
	BW04	12.592	-17.669	-0.126	0	3.0	3.9	-1.0	-1.1	4.2	3.1
	P05	-2.911	11.225	-0.549	1.478	3.0	0.8	-0.9	-0.9	1.5	-1.0

L013

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	G2	7.398	-14.185	3.440	0.197	3.0	1.1	0.4	-0.9	1.5	-0.1
	JV0409	7.287	-13.924	3.055	0	3.0	0.1	-0.4	-1.0	1.1	0.2

	SM05	7.746	-10.737	0.070	0	3.0	-1.1	1.1	-0.3	1.6	-1.5
	SM06	8.543	-6.575	1.392	0	3.0	-5.4	-1.2	-1.3	5.7	-3.7
	JV0411	10.426	-3.123	3.283	0	3.0	-0.6	1.1	0.1	1.2	-0.8
LASER\L014.XYZ	G3	13.932	2.208	3.249	0.197	3.0	0.9	1.7	-0.6	2.0	1.0
	BW04	-7.978	15.419	1.496	0	3.0	4.6	-0.1	-1.3	4.8	-2.3
	P05	-10.517	-17.272	1.073	1.478	3.0	1.0	-1.3	-1.0	1.9	0.5
	1008	7.513	4.843	-0.123	1.297	3.0	-0.6	-1.3	6.4	6.5	-1.3

L014

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1002	10.340	-12.641	-0.329	1.466	3.0	1.1	-1.8	-5.8	6.1	2.2
	3002	-9.574	9.421	0.890	1.300	3.0	-1.5	-1.8	5.8	6.3	0.2
	JN0321	1.678	0.585	-0.578	0	3.0	-1.7	1.4	-0.5	2.2	-1.0
LASER\L015.XYZ	JS0321	-0.545	-1.866	-0.632	0	3.0	0.4	0.5	0.7	1.0	-0.8
	JN0304	-0.874	2.971	-0.339	0	3.0	0.9	1.0	-0.8	1.6	0.8
	JS0304	-3.112	0.557	-0.499	0	3.0	0.5	0.6	-0.0	0.7	-0.4
	JV0304	-4.539	3.931	7.034	0	3.0	-0.0	0.1	0.1	0.2	0.2
	JS0320	2.231	-5.151	-1.019	0	6.0	1.7	0.2	1.7	2.4	0.2

L015

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1002	-20.917	-7.573	-0.970	1.466	3.0	0.1	0.0	-5.8	5.8	0.2
	JS0322	-1.266	1.283	-0.816	0	3.0	1.0	0.1	-0.4	1.1	-0.4
LASER\L016.XYZ	JN0322	0.216	-1.644	-0.847	0	3.0	-0.6	1.0	0.4	1.3	-1.2
	SM07	-5.669	-2.661	3.900	0	3.0	-2.4	-1.2	-2.5	3.6	1.0
	3002	6.902	2.901	0.247	1.300	3.0	2.5	-0.3	7.7	8.1	2.4
	JV0201	-5.209	-2.888	3.615	0	6.0	-1.7	1.8	-0.3	2.5	0.4
	JV0203	-6.023	-1.129	0.740	0	6.0	-0.7	0.1	2.4	2.5	0.9

L016

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SM06	-0.125	2.768	0.970	0	3.0	-3.6	-4.1	-2.4	6.0	-4.5
	JS1301	2.537	3.844	-0.129	0	3.0	-0.1	-0.9	-1.1	1.5	-0.8
	G2	7.458	1.433	3.017	0.197	3.0	0.6	0.8	-1.0	1.4	0.3
	G3	-8.766	8.374	2.826	0.197	3.0	1.4	3.1	-0.8	3.4	0.9
LASER\L017.XYZ	P05	10.095	-16.554	0.649	1.478	3.0	1.0	-1.1	-0.2	1.5	1.4
	1008	-11.560	2.022	-0.546	1.297	3.0	0.2	1.4	6.2	6.4	-0.2
	BW04	-22.520	-13.194	1.072	0	3.0	0.6	0.1	-0.4	0.8	-0.6
	JV0411	-3.524	4.735	2.861	0	6.0	0.2	3.2	-1.0	3.4	1.8

L017

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JS0209	-4.176	-1.196	-0.521	0	3.0	0.1	-0.3	-2.3	2.3	0.3
	SM05	-1.206	-0.073	-0.303	0	3.0	-1.1	-0.4	0.4	1.2	1.0
	P05	15.493	9.800	0.701	1.478	3.0	1.0	0.2	-1.3	1.7	0.9
LASER\L018.XYZ	1008	1.969	-15.324	-0.495	1.297	3.0	-1.6	1.0	6.1	6.4	-1.4
	BW04	19.178	-22.782	1.125	0	3.0	2.1	-0.2	-2.6	3.3	1.4

	JV0409	-1.358	3.145	2.682	0	3.0	-0.6	-0.3	-0.3	0.7	0.3
L018											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	1002	13.863	-21.026	-1.115	1.466	3.0	0.7	-1.0	-3.8	4.0	1.4
	1007	-13.778	18.062	1.936	1.300	3.0	-1.2	-1.6	-0.4	2.0	-0.5
	SM07	5.647	-7.273	3.755	0	3.0	-1.0	-1.3	-0.5	1.7	0.2
	JS1702	7.040	-8.483	4.492	0	3.0	0.0	0.0	0.0	0.0	0.0
LASER\L019.XYZ	JN0121	-0.337	4.780	-0.000	0	3.0	0.4	0.3	0.0	0.5	0.3
	JS0112	-4.742	0.130	0.448	0	3.0	1.9	2.4	0.8	3.1	-1.7
	JS0322	0.816	-3.872	-0.962	0	3.0	-0.8	-0.0	2.6	2.7	-0.7
	JN0322	3.333	-1.768	-0.991	0	3.0	0.1	1.2	1.4	1.8	-0.8
L019											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	JS0112	-3.452	16.557	1.450	0	3.0	-0.4	-0.4	-1.7	1.8	-0.5
	SM02	-3.244	-0.017	-0.440	0	3.0	-1.5	1.5	1.3	2.5	1.3
	JN0320	7.106	1.820	-0.970	0	3.0	1.0	-1.8	0.2	2.1	0.5
LASER\L020.XYZ	JS0113	1.678	-2.319	-0.005	0	3.0	0.1	1.6	-0.2	1.6	-1.3
	SG01	-2.270	3.571	-1.368	0	3.0	1.1	0.3	0.3	1.2	-0.5
	JS0105	-2.370	1.758	0.183	0	3.0	-0.3	-1.1	0.1	1.2	-0.5
L020											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	JS0201	1.552	3.146	0.056	0	3.0	3.9	1.8	-0.6	4.3	3.3
	JS0105	-1.706	-0.384	0.086	0	3.0	0.3	1.1	-0.1	1.2	-0.5
	JS0111	-1.019	2.791	-0.957	0	3.0	-0.0	-0.0	-0.0	0.0	-0.0
	JS0112	11.089	7.136	1.351	0	3.0	2.2	-1.3	0.1	2.5	1.1
	P03	-9.684	-7.424	-0.788	1.430	3.0	-1.3	-2.8	2.3	3.8	2.6
LASER\L021.XYZ	JN0321	5.424	-5.421	-0.461	0	3.0	-2.0	-2.1	0.7	3.0	0.0
	JS0113	-3.570	-5.822	-0.102	0	3.0	-1.8	1.4	-0.4	2.3	-0.2
	JS0107	2.676	-0.949	-1.097	0	3.0	-0.6	0.6	-1.5	1.8	-0.2
	JS0109	4.666	0.948	0.287	0	3.0	-0.5	1.2	-0.4	1.4	-0.3
L021											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	JN0322	-1.303	-5.740	-0.264	0	3.0	1.1	-0.9	-0.2	1.4	0.7
	JS0112	6.251	-2.314	1.173	0	3.0	1.9	0.8	1.1	2.3	1.7
	JS0101	6.092	-1.512	0.726	0	3.0	-1.2	-0.6	-0.6	1.5	-1.1
LASER\L022.XYZ	SG01	-5.451	3.445	-1.642	0	3.0	0.4	0.1	0.1	0.4	-0.3
	JS0113	-12.537	3.145	-0.279	0	3.0	-2.1	0.6	-0.4	2.2	2.2
L022											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	JN0120	-7.404	3.050	0.639	0	3.0	0.3	-1.9	-0.8	2.0	-1.0
	JN0121	-7.070	1.935	-0.010	0	3.0	0.4	-2.6	1.9	3.2	-1.1
	JN0306	-5.639	2.853	-0.642	0	3.0	-0.0	0.4	-1.3	1.4	0.3
LASER\L023.XYZ	JN0314	-5.850	2.481	1.831	0	3.0	-0.4	0.6	0.5	0.9	0.7
	JS0112	-1.255	-0.757	0.440	0	3.0	3.1	2.4	0.6	4.0	-3.5
	JS0101	-0.444	-0.866	-0.008	0	3.0	-1.9	0.9	-0.1	2.1	0.1
	JS0113	10.020	15.233	-1.012	0	3.0	-1.4	0.1	-0.9	1.7	-0.6
L023											
Station	**Pt_Vise**	**mes.X**	**mes.Y**	**mes.Z**	**hV**	**sigma**	**res.X**	**res.Y**	**res.Z**	**r.XYZ**	**r.D**
	3001	-3.890	31.047	-0.408	1.300	3.0	0.2	-2.6	-3.7	4.6	-2.6
	1012	12.682	24.980	11.446	1.297	3.0	3.1	1.9	1.5	3.9	3.4

	JS0611	12.488	23.849	10.066	0	3.0	-1.9	0.7	-0.9	2.2	0.6
	JS0610	15.463	13.948	10.374	0	3.0	-0.5	2.5	1.1	2.8	1.7
	G2	15.723	11.610	13.105	0.197	3.0	-1.7	1.2	1.0	2.3	-0.0
	JS0609	15.622	8.477	12.801	0	5.0	-1.0	-0.1	-0.8	1.2	-1.2
	JS0510	13.316	5.100	12.766	0	5.0	-0.6	-0.2	-1.0	1.3	-1.2
	JS0509	13.450	-4.927	13.033	0	5.0	5.3	-4.0	0.4	6.6	5.0
LASER\L024.XYZ	G1	23.034	-10.315	12.189	0.197	3.0	-0.2	0.8	-1.1	1.4	-0.9
	P03	9.979	-8.256	4.602	1.300	3.0	-1.2	6.3	6.0	8.8	-2.7
	SG02	6.591	-18.560	-1.945	0	3.0	-1.1	0.3	-1.0	1.5	-0.6
	P02	18.985	-30.876	2.205	1.600	3.0	1.7	-0.8	0.6	2.0	1.6
	SM01	13.823	3.648	8.832	0	3.0	0.5	-8.1	-2.8	8.5	-2.8
	SM02	13.429	0.324	4.988	0	3.0	-0.2	-0.6	-0.2	0.7	-0.3

L024

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JS0611	-10.932	9.342	9.789	0	5.0	-0.1	4.5	0.8	4.6	2.9
	JS0610	-6.963	18.897	10.101	0	5.0	-2.8	-1.3	-1.2	3.3	-0.7
	G2	-5.687	20.867	12.823	0.197	3.0	0.8	-0.4	7.7	7.8	3.5
LASER\L025.XYZ	JS0609	-3.623	23.228	12.526	0	5.0	-0.1	-1.4	-1.0	1.8	-1.7
	JS0510	0.302	24.379	12.488	0	5.0	-0.5	0.9	1.7	2.0	1.6
	3001	-2.816	-6.599	-0.685	1.300	3.0	1.0	-0.7	-2.0	2.3	0.4
	1002	12.098	38.652	4.870	1.297	3.0	-1.6	-1.8	-7.1	7.5	-3.0
	SG02	20.489	38.430	-2.222	0	3.0	0.8	0.5	0.7	1.2	0.8
	JV0409	-5.964	20.918	12.444	0	5.0	0.8	3.7	1.5	4.1	3.7

L025

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1002	-27.325	-15.033	-2.138	1.112	3.0	2.2	0.2	0.5	2.2	-2.0
	BW04	20.512	7.108	4.071	0	3.0	-0.4	-0.2	-0.2	0.5	-0.5
	SM06	-6.366	1.284	3.968	0	3.0	-3.2	0.5	-1.2	3.5	2.2
LASER\L026.XYZ	G3	-0.635	-7.284	5.823	0.197	3.0	0.8	-0.1	1.5	1.7	1.0
	JN0307	0.229	-2.162	-0.887	0	5.0	0.2	1.1	-2.2	2.5	-0.1
	JV0403	-2.725	-3.963	0.221	0	5.0	0.6	-1.7	0.5	1.9	1.1
	JS0307	-2.041	1.108	-1.098	0	5.0	1.1	-0.4	-0.1	1.1	-1.0

L026

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0410	-3.227	-12.169	4.835	0	3.0	0.2	-0.3	-1.7	1.8	-0.4
	1002	8.113	6.810	-2.146	1.112	3.0	0.9	-0.3	0.1	1.0	0.5
LASER\L027.XYZ	JS0320	10.034	-4.058	-2.475	0	5.0	-0.9	-1.4	0.6	1.8	-0.5
	P01	-17.452	-9.546	0.550	1.074	3.0	-2.2	-0.4	1.4	2.6	2.1
	1001	-22.294	-16.864	1.453	1.283	3.0	1.4	1.4	0.0	2.0	-2.0

L027

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1002	-2.802	15.090	-2.240	1.112	3.0	0.4	-0.0	-1.7	1.7	0.1

	BW02	-3.122	3.564	-1.225	0	5.0	0.3	-0.5	-2.0	2.1	0.1
	JN0410	4.894	-5.637	4.738	0	3.0	-0.4	-1.4	-0.5	1.6	0.5
LASER\L028.XYZ	1001	-3.384	-23.442	1.355	1.283	3.0	0.8	1.5	2.2	2.8	-1.5
	P01	-6.056	-15.085	0.455	1.074	3.0	-0.9	0.1	0.6	1.1	0.3

L028

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1002	13.416	-10.831	-1.614	1.112	3.0	2.9	1.2	-0.9	3.3	1.6
	P02	13.061	7.558	-4.662	1.300	3.0	-1.0	-0.3	-0.4	1.2	-0.9
	P01	-14.760	0.448	1.082	1.074	3.0	-1.7	0.3	0.4	1.8	1.7
LASER\L029.XYZ	1001	-23.529	0.129	1.983	1.283	3.0	1.6	1.9	1.0	2.7	-1.5
	JN0410	-8.617	-12.647	5.365	0	3.0	-0.1	0.2	-0.7	0.7	-0.3
	G1	3.129	-10.895	5.620	0.197	3.0	-1.5	-3.0	-0.2	3.4	2.1
	JN0408	-0.610	-10.231	4.316	0	3.0	-0.2	-0.3	0.7	0.8	0.6

L029

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P01	0.075	-7.525	-0.089	1.074	3.0	-1.0	-0.0	0.6	1.2	0.0
	1001	6.214	-13.792	0.812	1.283	3.0	0.6	2.7	1.2	3.1	-2.2
	JN1606	7.707	0.271	3.933	0	3.0	-0.7	-0.2	0.1	0.7	-0.6
LASER\L030.XYZ	1010	-0.327	12.990	2.262	1.297	3.0	1.2	-1.4	-0.8	2.0	-1.6
	1002	-10.562	20.900	-2.785	1.113	3.0	0.7	0.1	0.3	0.8	-0.2
	JN0408	-1.559	10.127	3.147	0	3.0	-0.5	-0.8	-1.1	1.5	-1.0
	G1	-3.587	13.338	4.453	0.197	10.0	-3.0	-3.9	-4.0	6.3	-4.0

L030

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1001	-6.074	-6.376	0.250	1.283	3.0	-0.3	0.2	3.0	3.0	0.1
	JN0427	4.919	-1.658	2.181	0	3.0	0.8	-1.8	0.7	2.1	1.5
LASER\L031.XYZ	1013	8.803	-57.096	-0.773	1.297	3.0	-0.2	1.2	-4.4	4.5	-1.1
	JN0408	15.007	7.343	2.584	0	3.0	1.0	-0.7	1.6	2.0	0.8
	P01	-1.615	1.181	-0.651	1.074	3.0	-2.0	-0.2	2.4	3.1	0.7
	P02	7.393	28.446	-6.393	1.297	3.0	0.7	1.3	-3.4	3.7	2.1

L031

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P01	-7.051	-3.152	-0.867	1.074	3.0	-1.0	1.1	2.1	2.6	0.2
LASER\L032.XYZ	1013	50.127	12.188	-0.991	1.297	3.0	-0.2	0.2	-2.6	2.6	-0.1
	JN0427	-4.779	3.599	1.965	0	3.0	1.2	-1.3	0.5	1.8	-1.5

L032

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P01	3.762	10.291	-0.431	1.074	3.0	1.1	-0.1	2.9	3.1	0.2
LASER\L033.XYZ	1013	-23.764	-42.117	-0.554	1.297	3.0	-1.1	0.1	-2.9	3.1	0.5

L033

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P01	-1.690	19.752	0.762	1.074	3.0	0.3	-0.8	1.7	1.9	-0.7
LASER\L034.XYZ	1013	-2.811	-39.436	0.638	1.297	3.0	-0.3	-0.1	-3.0	3.0	0.1

	1001	-7.533	13.209	1.663	1.283	3.0	0.0	0.9	2.3	2.5	1.0
	BW06	0.669	11.553	2.107	0	3.0	-0.1	0.0	-1.0	1.0	-0.2

L034

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW06	15.446	-6.045	1.987	0	3.0	0.1	-0.0	1.0	1.0	0.2
LASER\L035.XYZ	1013	-32.788	10.851	0.518	1.297	3.0	-0.1	0.0	-1.0	1.0	0.0

L035

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG01	-4.462	-2.844	-1.191	0	3.0	0.2	-1.2	-0.7	1.4	0.6
	SM02	-1.070	-4.362	-0.263	0	3.0	0.0	0.8	0.3	0.8	-0.8
LASER\L036.XYZ	JS0113	1.966	0.146	0.172	0	3.0	0.5	0.1	-1.2	1.3	0.4
	2004	-16.063	-1.962	1.128	1.410	3.0	0.8	-0.3	3.2	3.4	-0.6
	JS0112	-17.474	-2.007	1.626	0	3.0	-1.6	0.6	-1.7	2.4	1.4

L036

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG01	1.196	1.146	-1.434	0	3.0	-0.5	1.7	-1.1	2.1	1.4
	P04	5.786	-10.123	-3.364	1.300	3.0	1.7	-4.4	2.5	5.4	3.8
LASER\L037.XYZ	JS0113	8.209	2.194	-0.072	0	3.0	-1.2	1.2	-0.6	1.8	-0.8
	JS0107	0.511	4.064	-1.068	0	3.0	-0.0	1.5	-0.8	1.7	1.6

L037

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG01	-1.826	-0.568	-1.496	0	3.0	0.3	1.1	0.0	1.2	-0.5
	JS0113	-8.056	-3.954	-0.134	0	3.0	-0.3	0.8	0.5	1.0	-0.1
	P04	-9.999	8.448	-3.425	1.300	3.0	1.0	-4.5	2.7	5.3	-4.3
	JS0201	1.000	1.001	0.025	0	3.0	0.3	2.4	-0.6	2.5	1.8
LASER\L038.XYZ	SG03	5.119	1.801	1.628	0	3.0	-0.4	-1.7	-0.5	1.8	-1.1
	JS0208	6.049	1.456	2.161	0	3.0	0.3	-1.0	-0.4	1.1	-0.1
	JS0107	-0.185	-3.075	-1.128	0	6.0	-1.0	1.3	-1.6	2.3	-0.6
	JS0214	0.875	-0.102	0.590	0	5.0	2.1	1.5	-0.2	2.6	1.5
	JS0108	0.865	-1.617	1.330	0	3.0	-1.7	2.0	-1.1	2.9	-2.8

L038

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG01	-3.793	-1.321	-1.879	0	3.0	-0.6	-0.8	0.3	1.0	0.6
	JS0201	-1.002	0.312	-0.357	0	3.0	0.5	1.0	-1.3	1.8	0.2
	JS0202	0.792	0.771	0.943	0	3.0	2.1	0.2	-0.5	2.2	0.9
	SG03	3.097	1.207	1.245	0	3.0	-0.5	-0.4	-0.2	0.6	-0.6
LASER\L039.XYZ	JS0208	4.034	0.883	1.777	0	3.0	-0.2	0.5	0.9	1.0	0.2
	JS0214	-1.105	-0.795	0.207	0	3.0	-0.8	-0.6	0.1	0.9	0.9
	JS0215	-0.759	-0.698	-1.342	0	7.0	0.0	0.0	0.0	0.0	-0.0
	JS0113	-9.945	-4.845	-0.517	0	3.0	-0.6	0.1	0.8	1.0	0.5

L039

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG01	-4.640	-1.646	-2.525	0	3.0	-0.4	-0.3	-0.0	0.5	0.4
	JS0202	-0.110	0.558	0.295	0	3.0	0.2	0.9	1.2	1.5	1.3
	SG03	2.186	1.050	0.599	0	3.0	-0.1	-0.9	-0.6	1.1	-0.7
LASER\L040.XYZ	JS0208	3.131	0.750	1.132	0	3.0	0.6	0.6	-0.5	0.9	0.5
	JS0206	4.406	2.214	3.519	0	6.0	-1.1	-1.0	-0.3	1.5	-1.3
	JS0213	0.703	-0.270	-0.593	0	6.0	-0.0	0.0	-0.0	0.0	-0.0

L040

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L041.XYZ	SG01	-5.172	-2.135	-3.114	0	3.0	-0.0	0.1	0.3	0.3	-0.1
	SG03	1.541	0.830	0.010	0	3.0	-0.2	-0.9	-0.2	1.0	-0.6
	JS0206	3.714	2.083	2.930	0	3.0	0.3	0.2	0.1	0.4	0.3
	JS0207	2.763	0.939	1.310	0	3.0	-0.3	0.2	-0.2	0.4	-0.3
	JS0208	2.497	0.568	0.542	0	6.0	0.4	0.8	0.8	1.2	0.7
	JS0202	-0.733	0.247	-0.292	0	6.0	0.7	0.7	-0.5	1.1	-0.2

L041

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L042.XYZ	SG01	-5.934	-2.698	-3.914	0	3.0	-0.3	-0.2	0.6	0.7	0.0
	SG03	0.612	0.617	-0.790	0	3.0	-1.6	-1.0	0.0	1.9	-1.4
	SM05	2.259	2.559	1.765	0	3.0	3.0	1.7	-0.7	3.5	2.5
	JS0207	1.828	0.790	0.510	0	6.0	-0.5	-0.8	0.1	0.9	-0.7
	JS0208	1.581	0.405	-0.257	0	3.0	-0.9	-0.3	0.1	0.9	-0.9
	JS0203	0.437	0.730	-0.504	0	6.0	-0.0	-0.0	0.0	0.0	-0.0
	JS0216	2.114	-0.612	2.090	0	6.0	-0.0	0.0	0.0	0.0	-0.0

L042

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L043.XYZ	SM05	1.438	2.300	1.058	0	3.0	2.5	2.0	-1.0	3.4	2.5
	SG01	-6.969	-2.607	-4.621	0	3.0	-0.3	-0.9	0.2	1.0	0.3
	JS0212	0.401	-1.379	1.632	0	3.0	-0.9	0.9	0.9	1.5	-0.1
	JS1202	1.685	-2.456	1.259	0	3.0	-1.3	-1.0	-0.1	1.6	0.1
	JS0210	1.159	-0.863	1.384	0	6.0	-2.4	-0.3	-0.3	2.5	-1.5
	JS0208	0.671	0.177	-0.964	0	3.0	0.1	0.1	-0.2	0.3	0.3
	JS0207	0.935	0.552	-0.198	0	6.0	1.7	-0.0	0.7	1.9	1.3
	JS0204	-0.076	0.982	1.190	0	6.0	0.6	-0.0	1.2	1.3	0.9
	JS0209	-0.149	-0.459	0.837	0	6.0	-1.1	-4.0	-0.7	4.2	1.5

L043

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L044.XYZ	SG03	-0.755	-2.658	-2.426	0	3.0	1.0	3.1	1.3	3.5	-3.4
	JS0204	-1.296	-2.895	0.262	0	3.0	1.8	2.8	1.8	3.9	-3.2
	SM06	-2.865	1.472	1.451	0	3.0	2.0	0.7	-0.3	2.1	-1.4
	JS1201	-2.804	1.603	0.303	0	3.0	-1.1	-5.2	-1.7	5.6	-1.8
	JS1106	12.169	-7.352	2.080	0	3.0	-3.7	-1.5	-1.1	4.2	-2.5

L044

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L045.XYZ	P05	-19.959	-2.663	0.657	1.300	3.0	-2.1	-2.3	-1.2	3.3	2.3
	JS0209	2.442	-0.250	-0.390	0	5.0	-1.2	0.1	0.8	1.4	-1.3
	JS0204	1.132	-0.850	-0.036	0	5.0	1.6	1.5	1.7	2.8	0.4
	SG03	1.718	-0.782	-2.723	0	3.0	1.9	1.8	0.2	2.6	0.4

L045

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L046.XYZ	SG04	-1.954	-5.044	-0.915	0	3.0	-1.8	0.8	0.4	2.0	-0.2
	JS1106	-3.731	-9.603	2.101	0	3.0	-1.0	-0.4	-0.9	1.4	0.6
	JS1201	2.163	6.816	0.324	0	3.0	-0.0	-2.4	-1.5	2.8	-2.4
	SM06	2.024	6.850	1.470	0	3.0	2.8	2.1	1.9	4.0	3.1

L046

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L047.XYZ	JS1110	4.409	-0.509	-0.257	0	3.0	-0.1	0.9	1.6	1.8	-0.3
	BW07	4.153	-5.770	-0.036	0	3.0	-1.5	0.2	-0.5	1.6	-1.0
	JS1201	2.023	-11.562	-0.112	0	6.0	1.0	-4.9	-1.4	5.2	5.0
	SM06	2.160	-11.520	1.034	0	3.0	4.3	-0.2	2.0	4.8	1.2
	BW08	-6.874	-1.536	0.307	0	3.0	-0.8	0.7	0.7	1.2	0.6
	JS1106	-1.375	5.549	1.665	0	6.0	-0.3	-2.3	-0.8	2.5	-2.3
	3011	3.190	-1.054	-0.103	1.300	3.0	-1.7	1.6	-3.7	4.3	-

											2.0
	JS1101	-1.154	-1.132	0.665	0	5.0	-0.4	-1.2	1.5	1.9	1.6
	JS1102	-1.838	0.335	-1.239	0	5.0	-0.8	-2.7	-0.3	2.8	0.4

L047

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JS1110	1.609	2.350	-0.277	0	3.0	0.5	1.5	1.0	1.9	1.4
	SM01	0.883	3.020	-1.216	0	6.0	-1.4	9.4	3.2	10.0	6.9
	JS1101	-2.368	-1.588	0.646	0	3.0	-0.3	0.4	-0.1	0.5	-0.0
	SG04	-3.047	0.241	-1.371	0	3.0	0.7	-0.4	-0.0	0.8	-0.7
LASER\L048.XYZ	JS1106	-6.687	3.515	1.646	0	3.0	-1.3	-2.3	-2.3	3.5	-0.4
	BW07	4.673	-1.938	-0.057	0	3.0	1.9	-0.2	-0.0	1.9	1.8
	JS1102	-3.816	-0.862	-1.259	0	3.0	-1.6	-2.4	-0.9	3.0	2.3
	JS1103	-3.429	-0.187	1.335	0	3.0	-0.8	-0.8	0.2	1.1	0.8
	JS1107	-4.938	4.311	-1.222	0	3.0	1.2	1.9	1.3	2.6	0.1

L048

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SG04	1.749	-4.631	-1.137	0	3.0	1.1	-0.7	0.2	1.3	1.0
	SM01	-1.401	-0.995	-0.982	0	3.0	-1.1	6.5	3.4	7.4	-4.1
	BW12	0.124	1.080	0.615	0	3.0	0.9	-1.6	-0.6	2.0	-1.6
LASER\L049.XYZ	JS1101	3.503	-3.776	0.880	0	3.0	-0.1	-0.8	0.2	0.8	0.5
	JS1103	2.213	-4.968	1.570	0	3.0	0.8	-1.0	-0.6	1.4	1.0
	JS1102	2.922	-5.288	-1.025	0	3.0	-1.6	-2.6	-0.6	3.1	1.6
	JS1104	2.005	-6.854	1.907	0	3.0	0.1	-0.3	-1.2	1.3	-0.0
	JS1105	1.014	-8.519	-1.140	0	3.0	-0.1	0.5	-0.7	0.9	-0.4

L049

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW07	-1.122	-0.457	0.142	0	3.0	1.1	-0.0	0.4	1.2	-1.0
	SG04	6.197	2.825	-1.172	0	3.0	0.1	0.5	0.4	0.7	0.2
LASER\L050.XYZ	JS1106	11.089	2.649	1.844	0	3.0	-1.2	-0.5	-0.9	1.6	-1.4
	JS1117	-1.175	0.230	-1.173	0	5.0	-0.0	0.0	-0.0	0.0	0.0
	JS1116	-0.947	-1.125	0.858	0	5.0	-0.0	-0.0	0.0	0.0	0.0

L050

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P04	8.044	-6.169	-6.996	2.150	3.0	1.6	5.2	5.4	7.7	-4.6
	SG04	-3.508	-0.690	-1.301	0	3.0	-0.1	0.6	-1.0	1.1	0.3
	JS1101	-5.425	-1.060	0.716	0	3.0	1.2	2.3	-1.0	2.8	-1.7
LASER\L051.XYZ	JS1102	-4.471	0.249	-1.189	0	3.0	0.1	-1.7	-1.8	2.5	0.3
	JS1103	-3.867	-0.244	1.404	0	3.0	-0.7	1.3	0.2	1.5	0.6
	JS1106	0.318	2.362	1.714	0	3.0	-0.9	-5.6	-1.3	5.8	-5.4
	JS1107	0.816	0.508	-1.151	0	3.0	-1.3	-2.0	-0.6	2.5	-0.9

L051

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW07	-5.523	-10.007	-0.061	0	3.0	-2.2	2.3	0.7	3.3	-1.0
	JS1201	-11.570	-11.246	-0.134	0	3.0	0.8	-4.5	-3.2	5.5	2.6
LASER\L052.XYZ	SM06	-11.460	-11.341	1.011	0	3.0	3.1	2.3	1.2	4.1	-3.7
	JS1104	-2.262	-0.360	1.668	0	3.0	-0.8	-0.3	0.2	0.8	0.8
	JS1106	1.187	0.653	1.640	0	3.0	-0.2	-0.4	0.4	0.6	0.1
	JS1108	-0.297	-2.928	1.829	0	3.0	-0.0	-0.0	0.0	0.0	0.0
	SG04	-2.480	-2.587	-1.375	0	3.0	-0.8	0.5	0.7	1.2	-0.1

L052

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW14	-0.643	0.401	-0.182	0	3.0	-0.0	-0.0	-0.0	0.0	0.0
	JS1310	0.854	-0.712	5.278	0	3.0	-0.1	0.0	-0.3	0.3	-0.3
LASER\L053.XYZ	NAT1	-0.608	0.563	-0.378	0	10.0	-0.5	1.4	2.4	2.8	0.2
	NAT2	-0.685	-0.197	-0.727	0	5.0	0.3	-0.4	0.2	0.5	-0.3

▸ L053

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ BW08	1.510	-4.570	0.577	0	3.0	-1.4	-0.0	-1.0	1.7	-0.5
	▸ JS1401	1.080	-0.403	0.479	0	3.0	-0.0	0.0	-0.0	0.0	-0.0
LASER\L054.XYZ	▸ SM08	8.690	2.681	-0.213	0	3.0	-0.4	1.5	0.5	1.6	0.1
	▸ BW12	1.458	7.005	0.669	0	3.0	1.1	-1.0	-0.1	1.5	-0.7
	▸ JS1110	-0.090	6.647	0.012	0	3.0	-0.4	1.1	0.8	1.4	1.1
	▸ SG04	-1.068	1.630	-1.082	0	3.0	1.1	-1.6	-0.2	1.9	-1.6

▸ L054

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ SG04	3.354	3.591	-1.446	0	3.0	-0.8	-1.2	-0.6	1.6	-1.2
	▸ JS1110	8.390	4.461	-0.351	0	3.0	0.5	-1.1	-0.6	1.3	0.0
LASER\L055.XYZ	▸ JS1400	3.026	1.300	0.329	0	3.0	-0.0	-0.0	0.0	0.0	-0.0
	▸ SM07	0.703	-0.998	0.061	0	3.0	5.3	1.5	1.8	5.8	2.0
	▸ BW08	-1.521	-1.027	0.213	0	3.0	-3.6	-0.0	-1.5	3.9	2.8
	▸ JV0301	4.997	-5.690	-0.108	0	3.0	-1.5	0.8	0.9	1.9	-1.6

▸ L055

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ SM08	5.791	1.378	-0.348	0	3.0	1.4	-0.7	-0.3	1.5	1.2
	▸ JN0311	0.431	-4.402	-0.282	0	3.0	-0.9	3.4	0.5	3.5	-3.5
LASER\L056.XYZ	▸ JS1704	-3.428	-0.808	0.355	0	3.0	-0.5	-2.7	-0.2	2.8	1.1
	▸ JS1408	0.100	0.459	0.697	0	3.0	-0.0	-0.0	-0.0	0.0	-0.0

▸ L056

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ SM08	2.581	1.108	-0.476	0	3.0	1.5	-0.7	0.4	1.7	1.0
	▸ JS1704	-6.244	-2.340	0.228	0	3.0	-0.5	-1.2	-0.4	1.4	0.9
LASER\L057.XYZ	▸ JN0313	0.803	-4.420	-0.309	0	3.0	-1.0	1.9	-0.0	2.2	-2.1
	▸ JS1403	-1.620	-1.108	0.772	0	6.0	0.0	0.0	0.0	0.0	-0.0

▸ L057

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ JS1704	-7.090	6.134	-0.537	0	3.0	0.9	0.7	-0.6	1.3	-0.2
	▸ JS1405	-0.724	0.076	0.626	0	3.0	-0.0	0.0	0.0	0.0	0.0
LASER\L058.XYZ	▸ SM09	-3.692	-4.301	-1.282	0	3.0	1.0	-0.6	-0.3	1.2	-0.2
	▸ JS1406	0.427	0.273	0.493	0	3.0	-1.9	-0.2	0.9	2.1	-0.6

▸ L058

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ SM08	1.292	2.734	-1.161	0	3.0	-1.8	-0.3	0.2	1.8	-1.0
	▸ JS1406	1.411	2.899	0.573	0	3.0	-2.5	0.5	0.8	2.6	-0.5
	▸ JS1503	0.381	-0.145	0.500	0	3.0	-2.1	-3.7	-0.7	4.3	-0.9
LASER\L059.XYZ	▸ JS1601	-0.840	-3.006	-1.115	0	3.0	9.7	-1.1	1.1	9.8	-1.8
	▸ SM07	-6.948	2.636	-0.521	0	3.0	-1.6	1.8	-0.1	2.4	2.1
	▸ SM09	-0.871	-2.819	-1.203	0	3.0	0.4	-1.2	0.5	1.4	0.7
	▸ JV0201	-6.794	2.147	-0.802	0	3.0	-2.2	4.1	-1.8	5.0	3.6

▸ L059

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ BW09	0.888	-4.855	-0.428	0	3.0	-0.4	1.2	-0.1	1.3	-1.2
	▸ JS1505	0.341	0.458	0.540	0	3.0	1.4	-1.5	0.2	2.1	-0.1
LASER\L060.XYZ	▸ JS1406	-5.789	-0.698	0.561	0	3.0	-0.3	0.1	0.8	0.8	0.4
	▸ SM08	-5.587	-0.716	-1.172	0	3.0	-0.7	0.2	-0.8	1.1	0.8

▸ L060

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ JS0313	-3.046	3.355	0.292	0	3.0	0.4	-0.1	0.1	0.4	-0.4
	▸ JS1407	-4.810	3.602	-0.711	0	3.0	-0.6	0.4	-1.1	1.3	0.9
	▸ BW09	-1.431	-1.674	0.418	0	3.0	0.4	-1.2	0.1	1.3	0.7
LASER\L061.XYZ	▸ JS1604	-1.285	-1.892	1.028	0	3.0	-0.9	0.4	-0.3	1.0	0.1
	▸ JS1602	0.305	-0.159	0.623	0	3.0	-0.6	1.7	0.8	2.0	0.1
	▸ SM09	1.909	2.291	-0.368	0	3.0	-1.5	1.7	-0.2	2.3	0.4
	▸ JS1505	2.069	2.361	1.386	0	3.0	2.8	-2.9	0.4	4.0	-0.1

▸ L061

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ JN0101	-1.182	-0.803	0.833	0	3.0	0.4	1.4	0.6	1.6	-

	JN0114	-0.286	1.985	-0.917	0	3.0	0.3	-0.3	-1.1	1.2	0.7 0.2
	JN0121	13.063	13.206	0.935	0	3.0	-1.3	-1.2	1.2	2.1	-1.7
	SM10	3.430	-0.174	0.489	0	3.0	4.1	-1.5	0.5	4.4	4.3
LASER\L062.XYZ	JN0103	3.205	-0.415	-0.072	0	3.0	-0.6	0.2	0.4	0.8	-0.7
	BW02	-2.434	-5.506	0.478	0	3.0	-0.0	1.7	0.0	1.7	-1.5
	1002	-12.910	-0.691	-0.350	1.297	3.0	-3.0	-0.4	-1.7	3.4	3.0

L062

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW23	-4.330	8.209	4.520	0	3.0	-2.1	-1.2	1.3	2.7	0.5
	JS0301	-5.775	-7.490	-1.931	0	3.0	-1.3	-0.3	1.3	1.8	0.7
	JN0114	-2.277	-2.470	-0.979	0	3.0	-0.6	0.6	-0.6	1.1	0.1
LASER\L063.XYZ	SM10	0.141	1.084	0.429	0	3.0	4.4	-1.1	-1.0	4.6	-0.8
	JN0103	0.365	0.842	-0.132	0	3.0	-0.5	1.1	-1.1	1.7	1.0
	JN0101	0.441	-3.561	0.772	0	3.0	0.1	0.8	0.1	0.8	-0.8

L063

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0101	-5.543	-2.938	0.771	0	3.0	-0.2	-0.1	0.4	0.5	0.2
	JN0105	-0.250	-1.581	-1.014	0	3.0	-0.3	1.5	-1.1	1.9	-0.6
	JN0121	11.376	7.691	0.873	0	3.0	-0.7	0.2	1.1	1.3	-0.4
LASER\L064.XYZ	JN0106	1.500	0.035	1.234	0	3.0	0.2	-0.5	-0.5	0.8	-0.2
	JN0110	6.393	3.870	0.927	0	3.0	0.9	-0.7	0.1	1.1	0.4
	JN0109	7.085	2.609	-0.856	0	3.0	0.3	0.1	0.3	0.4	0.3
	JN0114	-4.070	-0.406	-0.980	0	3.0	-0.1	-0.5	-0.3	0.6	0.2

L064

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0101	-9.069	2.759	0.670	0	3.0	-1.4	0.3	-0.8	1.7	1.4
	JN0106	-1.868	0.194	1.132	0	3.0	-1.6	0.6	-0.8	1.9	1.1
	JN0109	3.990	-1.682	-0.958	0	3.0	-0.1	0.8	0.0	0.8	-0.4
LASER\L065.XYZ	JN0110	4.330	-0.285	0.825	0	3.0	-1.0	-0.8	-0.2	1.3	-1.0
	JN0121	10.586	-0.835	0.770	0	3.0	-1.7	-0.6	1.8	2.6	-1.5
	JN0107	-0.359	-1.072	-0.920	0	3.0	5.9	-0.3	-0.1	5.9	-1.1

L065

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0101	-11.078	5.725	0.535	0	3.0	0.5	-0.5	-0.1	0.7	-0.6
	JN0121	7.416	-1.837	0.637	0	3.0	-0.5	-0.7	0.6	1.0	-0.3
	JS0322	3.034	5.711	-0.323	0	3.0	0.2	0.8	1.1	1.4	0.7
LASER\L066.XYZ	JN0108	-0.385	-1.476	0.936	0	3.0	0.0	-0.0	0.0	0.0	0.0
	JN0111	0.977	1.893	-0.410	0	3.0	-0.0	0.0	0.0	0.0	-0.0
	JN0110	1.408	-0.010	0.692	0	3.0	0.4	0.4	-1.4	1.5	-0.3
	JN0109	0.785	-1.308	-1.092	0	3.0	-0.6	-0.1	-0.2	0.7	-0.0

L066

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0101	-15.271	-1.160	0.311	0	3.0	0.9	0.2	-1.2	1.5	-0.9
LASER\L067.XYZ	JN0121	4.611	0.809	0.411	0	3.0	-1.1	0.2	1.5	1.9	-0.9
	JN0116	-1.072	-0.210	0.464	0	3.0	0.2	-0.4	-0.3	0.6	-0.2

L067

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN0116	-2.479	-4.175	-0.016	0	3.0	-0.0	-0.8	-3.5	3.6	0.7
	JS0306	-4.762	2.139	-0.618	0	3.0	0.3	-0.5	0.4	0.6	-0.5
LASER\L068.XYZ	3002	-1.113	2.878	0.038	1.300	3.0	0.7	1.2	3.0	3.3	0.9
	JS0314	-4.240	2.823	1.792	0	3.0	0.7	0.1	0.7	1.0	-0.3
	JN0121	0.353	0.856	-0.070	0	3.0	-1.6	-0.0	-0.6	1.7	-0.6

▸ L068

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ JV0105	-4.636	1.090	3.119	0	3.0	1.2	-0.1	-1.9	2.2	-2.0
LASER\L069.XYZ	▸ BW04	-15.246	39.437	1.215	0	3.0	-0.8	-0.0	0.5	1.0	0.3
	▸ JN1106	0.843	4.313	0.525	0	3.0	0.0	-0.9	-0.4	1.0	-0.9
	▸ 1011	-3.838	9.091	-0.075	1.297	3.0	-0.4	1.1	1.7	2.1	1.1

▸ L069

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ 1011	-7.901	3.738	-0.283	1.297	3.0	0.3	1.0	1.1	1.5	0.1
	▸ JN1109	-4.700	5.213	-0.431	0	3.0	-0.3	-0.8	-0.7	1.1	-0.3
LASER\L070.XYZ	▸ G1	2.867	-2.660	2.033	0.197	3.0	0.3	-0.2	0.2	0.4	0.4
	▸ JN1106	-1.353	2.366	0.316	0	3.0	-1.1	0.1	-0.0	1.1	0.7
	▸ JN1103	-2.260	-1.384	-0.797	0	3.0	0.8	-0.1	-0.6	1.0	-0.4

▸ L070

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ JN1106	3.458	3.302	0.400	0	3.0	0.5	1.2	-0.5	1.4	1.2
LASER\L071.XYZ	▸ P01	9.286	21.379	-2.195	1.300	3.0	0.1	-3.0	0.4	3.0	-2.7
	▸ G1	9.239	0.190	2.117	0.197	3.0	-0.9	0.6	-0.2	1.1	-0.9
	▸ JN1108	7.742	-0.100	0.451	0	3.0	0.3	1.1	0.3	1.2	0.3

▸ L071

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ P01	12.068	-15.789	-2.261	1.300	3.0	-0.4	-3.1	-0.4	3.1	2.2
	▸ G1	-6.429	-5.454	2.051	0.197	3.0	0.9	0.4	-0.9	1.4	-1.2
	▸ JN1108	-5.956	-4.006	0.384	0	3.0	0.7	0.5	0.6	1.0	-0.8
LASER\L072.XYZ	▸ JN1101	-1.876	4.036	-0.246	0	3.0	0.5	0.0	0.1	0.5	-0.2
	▸ JN1109	2.351	1.038	-0.415	0	3.0	-0.2	-0.7	0.2	0.7	-0.4
	▸ JN1308	-0.516	3.330	-1.073	0	3.0	-1.9	2.0	0.7	2.9	1.9
	▸ JN1106	-0.902	-1.914	0.333	0	3.0	0.4	0.9	-0.2	1.0	-1.0

▸ L072

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ G1	4.277	-11.731	2.261	0.197	3.0	-0.2	-0.1	0.2	0.3	0.1
LASER\L073.XYZ	▸ JN1108	3.314	-10.550	0.596	0	3.0	0.0	0.1	-0.3	0.3	-0.1
	▸ JN1606	13.179	3.071	1.745	0	3.0	0.4	0.2	0.2	0.5	0.5
	▸ BW04	-7.835	31.517	1.235	0	3.0	-0.2	-0.2	-0.1	0.3	-0.1

▸ L073

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ 1011	5.579	-5.004	-0.729	1.297	3.0	-2.9	-0.6	2.3	3.8	-1.9
	▸ JN1606	-3.729	4.568	1.072	0	3.0	-0.1	0.8	0.6	1.0	0.8
	▸ BW11	-14.386	-1.748	1.257	0	3.0	1.3	-0.5	-0.2	1.4	-1.2
LASER\L074.XYZ	▸ BW04	-17.103	-28.173	0.562	0	3.0	0.7	-0.5	0.2	0.9	0.1
	▸ G3	-0.144	-9.022	2.315	0.197	3.0	1.2	-0.3	0.8	1.5	0.5
	▸ BW23	1.881	-4.083	-0.523	0	3.0	-0.2	1.0	-3.7	3.9	-0.6

▸ L074

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D

LASER\L075.XYZ	SM10	-0.636	-0.886	0.291	0	3.0	-1.3	-0.4	-1.4	1.9	0.7
	BW24	-0.770	-0.370	0.451	0	3.0	-0.1	0.2	1.3	1.3	0.6
	BW23	6.349	3.815	4.381	0	3.0	0.3	-0.3	1.9	1.9	1.0
	JN1109	3.184	1.948	4.035	0	3.0	1.1	0.4	-1.8	2.1	-0.5

L075

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L076.XYZ	BW23	5.601	3.002	3.631	0	3.0	0.2	-0.1	0.6	0.7	0.4
	SM10	-1.556	-1.433	-0.462	0	3.0	-1.4	0.3	0.3	1.5	0.7
	BW24	-1.669	-0.913	-0.298	0	3.0	0.7	-0.5	-1.0	1.3	-0.2
	JN1109	2.368	1.255	3.282	0	4.0	0.9	0.5	0.1	1.0	0.8

L076

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L077.XYZ	BW23	4.663	2.490	2.916	0	3.0	1.0	0.1	-0.5	1.1	0.6
	SM10	-2.498	-1.939	-1.178	0	3.0	-0.9	0.1	0.2	1.0	0.6
	BW24	-2.612	-1.419	-1.015	0	3.0	-0.1	0.1	-0.1	0.2	0.1
	JN1109	1.428	0.744	2.565	0	4.0	0.2	-0.6	0.8	1.0	0.6

L077

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L078.XYZ	BW23	4.079	1.318	2.169	0	3.0	0.8	-0.1	0.2	0.8	0.7
	SM10	-3.732	-1.827	-1.925	0	3.0	-1.5	0.1	0.9	1.8	0.8
	BW24	-3.755	-1.295	-1.762	0	3.0	0.1	-0.1	0.5	0.6	-0.3
	JN1109	0.595	0.150	1.824	0	5.0	1.7	0.3	-4.5	4.8	-3.7

L078

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L079.XYZ	SM10	-4.573	-2.361	-2.676	0	3.0	-0.8	0.3	0.8	1.2	0.2
	BW24	-4.610	-1.831	-2.512	0	3.0	-0.7	-0.6	-0.5	1.1	1.0
	BW23	3.158	0.972	1.418	0	3.0	-0.1	-0.7	0.1	0.7	-0.2
	JN1514	1.359	1.130	0.372	0	3.0	1.6	0.9	-0.3	1.9	1.7

L079

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L080.XYZ	SM10	-5.015	-2.757	-3.188	0	3.0	-1.2	0.1	-0.2	1.2	0.9
	BW24	-5.080	-2.229	-3.025	0	3.0	-0.2	-0.3	-0.5	0.7	0.5
	BW23	2.525	0.989	0.905	0	3.0	0.0	-0.4	0.1	0.4	-0.1
	JN1514	0.720	1.049	-0.142	0	3.0	1.3	0.6	0.7	1.6	1.2

L080

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L081.XYZ	BW23	0.231	0.573	0.110	0	3.0	0.0	1.6	0.1	1.6	1.5
	JN1606	10.364	-1.326	1.709	0	3.0	3.5	1.9	0.3	4.0	3.3
	BW24	-0.002	-7.681	-3.821	0	3.0	0.3	1.2	0.4	1.3	-1.3
	SM10	0.505	-7.842	-3.983	0	3.0	-1.4	2.0	-0.2	2.4	-1.7
	JN1506	-0.751	-0.211	0.558	0	3.0	0.7	2.5	1.5	3.0	-0.3
	JN1507	1.120	0.474	-0.327	0	3.0	-3.2	-9.1	-2.2	9.9	-5.7

L081

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L082.XYZ	1011	-1.709	-0.821	0.072	1.297	3.0	2.1	-1.4	-0.8	2.7	-1.3
	JN1514	0.316	0.561	-0.775	0	3.0	-3.0	-1.5	-0.3	3.4	-1.5
	1009	8.495	4.287	0.739	1.297	3.0	1.5	3.9	1.0	4.3	3.2
	JN1606	10.385	4.841	1.870	0	4.0	-1.2	-1.8	0.4	2.2	-1.8

L082

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L083.XYZ	G1	8.328	-3.363	-2.797	0.197	4.0	-0.9	-0.3	-0.2	1.0	-0.7
	G2	-14.355	1.078	-1.880	0.197	4.0	0.8	-0.4	0.9	1.3	-0.9
	JV0304	-4.226	6.261	-2.308	0	4.0	0.2	0.9	-1.0	1.4	0.9
	JN1108	7.060	-2.518	-4.463	0	4.0	-0.5	-0.7	0.3	0.9	-0.4
	JN1606	12.470	13.406	-3.313	0	4.0	0.2	0.1	-0.1	0.3	0.3
	JV0301	-4.481	6.150	-4.975	0	10.0	1.9	2.0	0.5	2.8	0.1

▸ L083

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ G2	-7.378	-3.828	-1.665	0.197	4.0	1.2	0.5	1.2	1.7	-1.5
	▸ BW10	-16.982	18.362	-3.395	0	4.0	0.5	0.2	-0.5	0.7	-0.1
LASER\L084.XYZ	▸ BW04	-11.704	29.244	-3.609	0	4.0	-1.2	0.3	0.8	1.4	0.6
	▸ G3	4.368	9.344	-1.855	0.197	4.0	0.2	0.2	0.4	0.5	0.2
	▸ G1	15.591	-6.422	-2.581	0.197	4.0	-1.1	-0.7	-0.9	1.6	-0.6
	▸ JN0313	5.042	1.546	-5.061	0	5.0	0.7	-0.7	-1.5	1.8	1.4

▸ L084

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ BW10	-1.120	24.544	-3.214	0	4.0	1.6	-0.2	-0.1	1.7	-0.3
	▸ BW11	22.102	3.825	-2.732	0	4.0	-0.2	0.4	-0.3	0.5	-0.1
LASER\L085.XYZ	▸ G1	1.697	-16.289	-2.399	0.197	4.0	-0.2	-1.3	-1.6	2.0	1.5
	▸ SM07	-1.660	-6.862	-4.410	0	4.0	-0.6	-1.2	2.1	2.5	0.0
	▸ JV0201	-1.202	-6.631	-4.689	0	4.0	-1.5	0.6	-1.7	2.4	0.7
	▸ G2	-11.487	2.698	-1.484	0.197	4.0	0.9	1.7	1.6	2.5	-0.6

▸ L085

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ G1	9.662	-8.832	-2.410	0.197	4.0	-0.5	-0.9	-0.8	1.4	0.4
	▸ G2	-13.320	-6.370	-1.494	0.197	4.0	0.7	-0.8	1.3	1.7	-0.4
LASER\L086.XYZ	▸ BW11	7.811	19.761	-2.744	0	4.0	0.1	0.1	1.4	1.4	-0.0
	▸ JS0311	-1.718	-5.299	-4.512	0	7.0	-1.4	2.0	-2.5	3.5	0.5
	▸ JS0312	-2.605	-4.177	-4.849	0	7.0	-0.4	2.0	-3.0	3.6	1.1
	▸ JS0313	-4.365	-1.856	-4.439	0	7.0	1.1	1.1	-0.3	1.5	-0.8

▸ L086

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ 1008	-14.624	-14.484	-0.663	1.300	3.0	3.2	2.8	3.6	5.6	-4.4
	▸ G3	-7.979	-12.467	2.703	0.197	3.0	0.1	-0.7	-0.4	0.8	0.4
	▸ G1	11.310	-10.918	1.976	0.197	3.0	0.3	-1.4	-0.7	1.6	1.1
LASER\L087.XYZ	▸ JN1606	-1.902	0.207	1.461	0	3.0	-0.1	-1.1	-1.7	2.0	-1.0
	▸ JN1601	-0.929	1.359	-0.674	0	3.0	-1.4	0.4	-0.6	1.6	1.3
	▸ JN1603	0.852	1.495	-0.626	0	3.0	-0.7	0.0	0.0	0.7	-0.3
	▸ JN1604	0.605	0.069	1.202	0	3.0	-0.3	-0.5	-0.3	0.7	-0.5
	▸ JN1602	0.125	2.748	0.305	0	3.0	-1.0	0.4	0.0	1.1	0.3

▸ L087

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ P01	-1.498	-8.316	-2.942	1.300	3.0	-1.5	-4.2	0.8	4.6	3.9
	▸ G3	2.559	16.233	2.098	0.197	3.0	0.8	0.2	-0.5	1.0	0.3
LASER\L088.XYZ	▸ JN1602	0.286	-0.855	-0.300	0	3.0	-0.6	1.7	-0.1	1.8	-1.7
	▸ JN1604	-1.100	1.488	0.597	0	3.0	0.9	1.4	-0.4	1.7	0.4
	▸ JN1605	-0.260	3.468	-0.829	0	5.0	1.3	2.7	0.7	3.1	2.3

▸ L088

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	▸ G3	-0.198	-12.270	2.129	0.197	3.0	0.3	-0.1	-0.9	1.0	-0.1

	1008	-5.065	17.224	-1.237	1.300	3.0	3.9	2.7	3.1	5.7	3.9
	P01	0.332	12.606	-2.911	1.300	3.0	-1.8	-4.2	0.3	4.6	-4.2
	JN1606	-0.935	1.766	0.885	0	3.0	-1.1	0.6	-0.2	1.3	0.9
LASER\L089.XYZ	JN1603	0.864	4.216	-1.201	0	6.0	-0.8	1.1	0.5	1.4	0.8
	JN1602	-0.376	4.968	-0.270	0	6.0	-0.2	0.2	0.5	0.5	0.2
	JN1510	-1.982	1.585	-0.016	0	6.0	-1.5	1.6	-1.1	2.4	2.1
	JN1509	-1.113	-0.411	-1.296	0	3.0	-0.7	0.1	-1.1	1.4	1.3
	JN1503	0.752	0.086	-0.853	0	3.0	0.1	0.2	-1.1	1.2	0.9

L089

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	1008	-6.750	-8.007	-0.912	1.300	3.0	2.7	3.3	2.8	5.1	-4.5
	BW11	-10.437	8.378	1.394	0	3.0	-1.8	0.2	-0.3	1.8	1.5
	JN1702	1.983	0.883	-0.786	0	3.0	-0.5	-1.0	-0.2	1.1	-0.7
LASER\L090.XYZ	JN1606	1.906	9.393	1.210	0	3.0	-0.5	-1.2	-0.5	1.4	-1.3
	JN2009	-4.719	-0.145	-1.427	0	5.0	-1.1	0.0	-0.1	1.1	1.0
	JN2008	-5.322	1.985	-1.081	0	6.0	1.0	0.7	-1.0	1.6	-0.5
	JN1901	-1.068	-3.470	-0.892	0	3.0	-0.3	-1.2	-0.7	1.5	1.4
	JN1903	0.698	-2.823	1.914	0	4.0	1.0	-0.5	-1.2	1.6	-0.1

L090

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	G3	3.359	12.073	2.702	0.197	3.0	-1.2	-0.6	-0.7	1.5	-1.1
	1008	10.248	12.959	-0.663	1.300	3.0	3.4	2.5	2.4	4.8	4.0
	JN1803	0.273	-1.334	-0.210	0	3.0	-0.9	-0.5	-0.7	1.2	0.4
LASER\L091.XYZ	JN1804	4.023	-0.910	-0.731	0	5.0	-0.4	0.5	-1.4	1.6	-0.2
	JN1701	-2.361	3.105	-0.524	0	3.0	-1.0	-1.1	-0.5	1.6	-0.2
	JN1503	-5.025	2.946	-0.281	0	6.0	-0.7	-2.1	0.1	2.2	-0.5

L091

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	G3	4.409	-15.522	2.744	0.197	3.0	-1.2	-1.8	-1.2	2.5	1.1
	1008	-2.507	-16.155	-0.622	1.300	3.0	2.2	3.0	2.8	4.6	-3.4
LASER\L092.XYZ	BW11	1.391	0.181	1.685	0	3.0	-1.2	-0.3	-1.3	1.8	-1.8
	JN2101	-1.576	-1.374	-1.159	0	6.0	0.3	-1.3	1.1	1.7	0.0
	JN2104	1.731	0.163	-0.734	0	3.0	0.0	1.2	-0.2	1.2	0.2
	JN2105	3.467	-2.675	-1.065	0	3.0	0.1	-1.8	-0.4	1.8	1.3

L092

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW11	6.196	5.758	2.000	0	3.0	0.2	-0.4	-1.3	1.4	-0.4
	G3	1.917	-9.650	3.059	0.197	3.0	-0.4	-1.3	-1.3	1.8	0.7
	1008	-4.558	-7.141	-0.307	1.300	3.0	2.4	2.2	2.7	4.3	-3.3
LASER\L093.XYZ	JN2006	3.021	-2.631	-0.600	0	5.0	-1.5	-0.8	-0.0	1.6	-0.6
	JN2013	2.219	-3.644	-0.988	0	3.0	-1.6	0.3	0.3	1.7	-1.1
	JN2005	3.645	-1.781	-1.013	0	6.0	-0.6	-2.4	-1.9	3.1	0.9

L093

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	P05	-27.563	9.063	1.117	1.300	3.0	-0.5	-4.1	4.9	6.4	-0.6

	1007	-0.919	10.049	-1.075	1.300	5.0	-3.7	-1.9	-2.3	4.7	-1.3
	BW04	5.055	12.363	1.723	0	3.0	-0.2	1.0	-0.4	1.1	0.8
	BW11	11.836	-13.321	2.418	0	3.0	0.2	1.6	-0.8	1.8	-1.2
LASER\L094.XYZ	G3	-4.056	-11.539	3.478	0.197	3.0	1.3	1.7	-1.7	2.7	-2.4
	JV0411	-9.927	-9.034	3.512	0	5.0	-0.7	3.6	-1.0	3.8	-2.1
	JN2012	0.154	-8.453	-0.543	0	5.0	2.2	-2.2	-2.5	4.0	2.4

L094

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN1403	0.440	-0.567	-0.363	0	3.0	0.4	-0.4	-0.5	0.7	0.7
	JN1402	0.282	-1.750	1.044	0	3.0	-0.3	0.4	-0.6	0.7	-0.6
LASER\L095.XYZ	JN1404	0.379	0.737	0.881	0	3.0	0.5	-0.1	0.5	0.7	0.5
	JN1405	-0.372	0.498	-0.300	0	3.0	-0.5	0.1	0.5	0.8	0.1
	JN1406	-0.322	-0.446	1.048	0	3.0	0.0	-0.0	0.0	0.0	-0.0

L095

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JN1402	-0.260	-0.527	0.314	0	3.0	0.9	-1.1	0.4	1.5	0.7
	BW04	25.983	10.739	0.859	0	3.0	0.9	-0.1	0.7	1.1	0.8
	JN1405	1.425	1.099	-1.028	0	3.0	0.5	-0.1	-0.5	0.8	0.6
LASER\L096.XYZ	JN1404	1.984	0.545	0.153	0	3.0	-0.5	0.1	-0.5	0.7	-0.5
	JN1403	0.858	-0.115	-1.093	0	3.0	-0.4	0.4	0.5	0.7	-0.6
	SM96	-0.674	1.980	-1.650	0	3.0	-1.5	0.9	-0.5	1.8	1.3

L096

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	SM96	-1.198	-1.946	-1.401	0	3.0	1.5	-0.9	0.5	1.8	-0.3
	BW04	-19.678	-23.055	1.108	0	3.0	0.1	0.7	1.6	1.8	-0.6
	1008	-7.556	-8.743	-0.499	1.300	3.0	-3.9	-1.3	0.3	4.1	3.5
LASER\L097.XYZ	G1	8.297	12.078	2.138	0.197	3.0	1.9	0.6	-2.0	2.9	1.3
	JN1305	0.123	1.450	-1.160	0	3.0	-1.0	0.2	-0.3	1.0	0.3
	JN1304	-2.280	-1.362	0.307	0	3.0	0.4	-1.1	-0.0	1.2	0.2
	JN1302	-3.441	-3.121	-0.967	0	3.0	0.8	1.6	-0.1	1.8	-1.7

L097

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	BW04	-6.986	26.536	1.111	0	3.0	0.3	0.1	0.6	0.6	0.0
	JN1108	5.050	-15.286	0.474	0	3.0	0.4	-0.1	-1.6	1.7	0.2
LASER\L098.XYZ	JN1302	0.198	1.849	-0.966	0	3.0	-0.1	-0.7	0.8	1.1	-1.1
	JN1402	2.416	-0.432	0.566	0	3.0	-0.6	0.8	0.2	1.0	-0.7
	JN1401	1.433	-0.746	-0.921	0	3.0	0.0	0.0	0.0	0.0	-0.0

L098

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JS1301	-0.551	-0.265	0.264	0	3.0	0.5	1.2	0.4	1.3	-0.7
	JS1310	0.158	0.509	0.686	0	3.0	-0.3	0.2	-0.2	0.4	-0.1
	JS1302	-0.064	0.791	-0.696	0	3.0	0.5	0.3	-0.7	0.9	0.7
	JS1303	1.164	0.861	0.403	0	3.0	0.8	0.1	0.2	0.8	0.7
LASER\L099.XYZ	JS1305	0.365	-0.460	0.601	0	3.0	-0.6	-0.1	-0.6	0.9	-0.7
	JS1202	-0.157	-2.536	0.243	0	3.0	-0.4	1.3	-0.0	1.3	-1.2
	BW10	20.969	6.983	1.677	0	3.0	0.2	0.2	1.8	1.9	0.4
	SM99	0.180	-0.865	-1.194	0	3.0	-0.7	-3.1	-0.9	3.3	2.5

L099

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	JS1201	1.866	1.638	0.171	0	3.0	-0.9	-5.8	-2.5	6.4	-4.7
	JS1202	0.068	-0.554	0.198	0	3.0	1.1	2.5	0.7	2.8	-1.9
	JS1106	-12.112	-8.798	1.949	0	3.0	-0.9	-0.9	-2.9	3.2	0.9
	JS0211	-1.743	0.000	-1.226	0	3.0	0.0	-0.0	0.0	0.0	-0.0

LASER\L100.XYZ	SM99	-0.199	1.134	-1.240	0	3.0	0.7	3.1	0.9	3.3	1.4
	JS1211	0.979	1.737	1.121	0	3.0	-0.0	-0.0	0.0	0.0	-0.0
	JS1310	-0.693	2.409	0.641	0	3.0	-0.2	-0.2	0.6	0.7	0.0
	JS1302	-1.000	2.596	-0.742	0	3.0	-0.4	0.1	1.1	1.2	-0.0
	JS1209	-1.733	-0.518	0.711	0	3.0	0.0	-0.0	0.0	0.0	-0.0
	JS0209	-2.389	0.597	-0.226	0	3.0	0.6	1.3	2.2	2.6	-0.5

L100

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L103.XYZ	JS1103	-0.308	2.501	1.434	0	3.0	0.6	0.4	0.2	0.8	0.4
	SG04	-0.398	1.934	-1.272	0	3.0	0.4	1.4	0.0	1.4	1.1
	JS1102	-0.344	3.278	-1.160	0	3.0	-1.2	-1.1	-0.8	1.8	-0.6
	JS1107	3.387	-0.476	-1.121	0	3.0	-0.0	0.6	-0.6	0.9	0.1
	JS1104	1.468	3.171	1.770	0	3.0	0.1	-0.9	0.5	1.0	-0.4
	JS1105	3.401	3.042	-1.278	0	5.0	0.2	-1.3	2.0	2.5	-1.3

L103

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L104.XYZ	JS1106	7.998	-1.464	1.711	0	3.0	-0.4	-2.5	-1.9	3.1	-0.3
	JS1101	2.194	1.852	0.711	0	3.0	-0.7	-1.5	0.4	1.6	-1.3
	BW07	-4.540	-0.231	0.009	0	3.0	0.7	-2.4	-0.6	2.5	-0.5
	JS1110	-0.194	-3.210	-0.211	0	3.0	0.7	-0.3	0.5	0.9	0.2
	SM01	0.717	-3.590	-1.149	0	3.0	-0.4	7.1	1.6	7.3	-7.2
	JS1107	6.630	-2.808	-1.155	0	6.0	0.5	-1.8	-0.2	1.9	1.2

L104

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L105.XYZ	NAT1	-2.590	2.608	-3.280	0	10.0	0.5	-1.4	-2.4	2.8	0.6
	NAT2	-2.990	1.968	-3.658	0	5.0	-0.3	0.4	-0.2	0.5	0.4
	JS1310	0.180	-0.046	1.300	0	3.0	0.6	-0.0	-0.1	0.6	-0.1
	JS1302	-0.590	0.107	0.107	0	3.0	-0.1	-0.4	-0.4	0.6	0.0
	JS1303	0.153	1.052	1.236	0	3.0	-0.8	-0.1	-0.2	0.8	-0.3
	JS1304	0.762	1.098	-0.079	0	3.0	-0.0	0.0	-0.0	0.0	-0.0
	JS1305	1.074	-0.147	0.877	0	3.0	0.6	0.1	0.6	0.9	0.8
	JS1301	0.460	-0.870	0.574	0	3.0	-0.3	-0.2	0.7	0.8	0.4
	JS1202	2.580	-1.226	-0.255	0	3.0	0.1	0.7	-0.4	0.8	-0.2

L105

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L107.XYZ	G1	-7.720	-16.794	10.088	0.197	5.0	-1.0	-0.9	1.4	1.9	1.7
	P01	-21.091	-0.365	5.778	1.300	4.0	-2.8	1.7	0.0	3.2	2.6
	P02	7.544	-2.439	-0.190	1.300	4.0	2.8	-0.7	-2.8	4.0	2.9
	JN0408	-11.058	-14.977	8.787	0	3.0	1.2	-1.2	-0.7	1.9	-0.1
	JS0402	-3.376	-26.082	2.099	0	3.0	-0.2	-0.2	0.4	0.5	0.2
	JS0401	-6.201	-24.272	3.563	0	3.0	-0.7	1.2	1.4	1.9	-0.8

L107

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L108.XYZ	SG02	-8.451	-5.735	-0.998	0	3.0	0.5	-1.0	-0.5	1.2	0.2
	P03	-19.295	-5.714	5.556	1.300	4.0	-2.9	8.3	-0.5	8.8	0.3
	JV0105	-27.445	3.795	14.010	0	3.0	0.5	-0.9	0.7	1.3	-0.2
	G1	-21.387	7.341	13.135	0.197	4.0	-1.0	-2.4	0.4	2.6	0.3
	JN0410	-29.591	15.931	12.880	0	4.0	1.3	-1.9	-0.1	2.3	-2.0
	NAT3	-16.675	5.824	1.298	0	10.0	5.0	-3.0	-1.9	6.1	-5.8

L108

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
	NAT3	2.906	0.403	0.927	0	10.0	-5.0	3.0	1.9	6.1	-3.7

LASER\L109.XYZ	SG02	-2.951	13.313	-1.367	0	4.0	-0.4	0.5	1.4	1.5	0.4
	SM04	4.235	-2.007	3.886	0	4.0	1.2	-1.0	-1.7	2.3	0.1

L109

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L110.XYZ	BW05	0.179	0.615	-0.006	0	3.0	-2.3	-1.5	0.3	2.8	-2.1
	PP01	-0.409	-0.856	0.340	0	3.0	2.3	1.5	-0.3	2.8	-2.3

L110

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L111.XYZ	1007	6.724	-5.457	3.706	1.300	5.0	-0.6	0.8	-1.1	1.5	-1.4
	PST01	-2.184	1.903	-0.261	1.300	5.0	0.6	-0.8	1.1	1.5	-1.1

L111

Station	Pt_Vise	mes.X	mes.Y	mes.Z	hV	sigma	res.X	res.Y	res.Z	r.XYZ	r.D
LASER\L112.XYZ	1007	-0.080	2.717	0.573	1.300	4.0	-3.8	-1.1	-1.6	4.2	-1.3
	JV0411	-17.827	14.132	5.160	0	3.0	0.1	0.1	-0.2	0.3	-0.0
	JV0409	-15.206	25.073	4.930	0	3.0	-0.8	1.0	0.6	1.4	1.3
	PST01	1.165	-8.787	-4.640	0.054	6.0	11.4	-12.5	0.7	17.0	12.0
	BW04	1.436	-3.507	3.371	0	3.0	-0.1	2.7	0.4	2.7	-1.6

L112

Les plus gros résidus

3002	JS0309	Zen	-9.25
1007	JN0307	Zen	-8.58
SL1810	1007	Zen	8.30
SL15002_1	1007	Zen	8.21
SL01IB	JS1503	Hor	8.17
3002	JN0304	Zen	8.04
1007	JS0308	Zen	7.66
SL02	JS1505	Zen	-6.90
2015	JS1505	Zen	6.81
SL15001	1007	Zen	6.60
3002	JS0308	Zen	-6.54
SL1704	1006	Dist	6.47
SL1822	3018	Zen	6.19
3002	JN0307	Zen	6.15
3002	JV0411	Hor	5.81
1002	1007	Den	-5.62
2002	JS0302	Zen	5.54
SL1821	2013	Zen	5.54
SLMR03	P05	Ref	5.54
SL02	JS1606	Zen	5.28

Coordonnées compensées 3D

dans le repère cartésien centré au point origine / Axe Z selon la verticale au point origine

	Coordonnées compensées			Déplacements			Résidu moyen	
Point	X	Y	Z	dX	dY	dZ	nb_rel	sigma
1001	-359.542	-589.833	100.973	-0.0027	-0.0037	-0.0009	22	0.69
1002	-341.696	-623.990	97.543	0.0065	0.0059	-0.0036	72	2.15
1003	-452.365	-698.534	94.933	-0.0210	-0.0045	-0.0127	26	1.37
1004	-489.936	-702.444	103.541	-0.0041	-0.0024	0	17	2.29
1004c	-488.457	-699.544	103.571	0	0	0	2	----
1005	-467.484	-680.173	104.716	-0.0032	0.0005	0.0033	41	1.23
1006	-490.685	-620.667	104.235	0.0087	-0.0111	-0.0146	29	1.93
1007	-389.465	-620.787	100.761	0.0092	-0.0009	0.0127	157	2.36

1008	-375.081	-616.891	101.953	0.0122	-0.0014	-0.0042	95	1.33
1009	-361.015	-605.858	102.947	-0.0002	0.0040	0.0105	113	0.97
1010	-352.172	-616.404	102.405	0.0091	-0.0016	-0.1559	56	0.75
1012	-375.665	-641.886	103.848	0.0011	0.0099	-0.0012	32	1.27
3001	-373.558	-659.410	91.984	-0.0089	0.0182	-0.0183	68	1.25
3002	-371.284	-621.153	98.938	0.0052	-0.0062	-0.0266	135	2.00
3003	-355.862	-622.187	107.000	0.0135	0.0128	0.0027	14	1.35
P01	-353.213	-595.909	100.280	0.0114	0.0004	0.0030	68	1.29
P02	-328.743	-610.937	94.309	0.0152	0.0094	-0.0059	14	1.91
P03	-344.821	-629.216	97.009	0.0080	0.0040	-0.0027	140	1.28
P04	-351.164	-638.607	94.532	0.0099	0.0044	-0.0093	96	1.41
P05	-378.720	-645.192	102.958	-0.0016	0.0054	-0.0064	101	1.74
G1	-348.907	-616.653	105.693	0.0082	0.0025	-0.0069	32	0.88
G2	-365.133	-633.112	106.608	0.0060	0.0043	-0.0106	48	1.63
G3	-368.237	-615.739	106.419	0.0085	0.0037	-0.0191	47	1.48
RN	-500.008	-500.008	105.392	-0.0083	-0.0083	105.4312	4	0.07
1004C	-488.466	-699.538	103.568	-0.0001	0.0001	-0.0002	6	1.39
1011	-361.417	-617.267	102.277	0	-0.0003	-0.0002	63	0.66
1013	-412.324	-592.662	99.925	0.0004	0.0005	-0.0002	3	----
2001	-369.859	-618.374	98.919	0.0003	-0.0003	-0.0001	43	0.96
2002	-352.308	-616.469	97.553	-0.0002	0.0001	-0.0001	52	1.17
2003	-354.529	-628.038	97.539	-0.0002	-0.0003	-0.0001	56	1.52
2004	-368.444	-625.264	98.671	0.0003	0	-0.0002	19	1.29
2004s	-368.444	-625.264	98.657	0.0004	0.0001	0	34	0.85
2012	-356.536	-624.507	102.208	0.0001	-0.0003	0	9	1.99
2013	-356.227	-621.403	102.452	0.0002	0.0001	-0.0001	19	2.12
2014	-365.073	-624.353	103.155	0	-0.0002	-0.0003	10	2.62
2014L	-365.071	-624.351	104.613	-0.0003	-0.0003	-0.0002	13	2.44
2015	-365.001	-621.557	103.133	-0.0003	-0.0002	0.0004	39	2.23
2016	-365.552	-625.961	101.990	0.0002	-0.0004	-0.0003	3	----
3018	-352.967	-626.039	102.244	0	-0.0003	0.0005	8	3.79
3010	-364.737	-628.133	100.766	-0.0001	0.0004	-0.0005	32	1.14
3011	-358.361	-629.784	102.315	0.0001	0.0002	-0.0001	6	1.27
BW02	-346.906	-613.704	99.670	0.0003	-0.0004	-0.0001	6	3.34
BW03	-362.170	-648.236	95.311	-0.0004	-0.0002	0.0005	0	----
BW04	-393.816	-616.085	104.861	-0.0003	-0.0004	-0.0004	39	0.90
BW05	-358.744	-630.177	99.192	-0.0004	-0.0004	-0.0005	0	----
BW06	-361.492	-597.971	102.696	-0.0003	0.0002	-0.0002	0	----
BW07	-363.164	-629.477	103.685	-0.0001	0	0.0001	0	----
BW08	-356.184	-619.947	104.030	-0.0003	0.0002	0.0003	3	----
BW09	-359.955	-619.044	103.986	0	0	-0.0005	0	----
BW10	-388.517	-626.958	105.073	-0.0004	-0.0002	0.0004	15	1.09
BW11	-372.442	-600.309	105.558	0.0003	-0.0002	0.0002	15	0.86
BW12	-359.734	-630.965	104.122	-0.0002	-0.0003	0.0002	3	----
BW13	-366.750	-628.163	104.078	0.0004	-0.0001	0.0001	3	----
BW14	-368.214	-629.318	98.621	0.0001	-0.0001	-0.0004	0	----
BW23	-363.222	-613.911	103.774	0	0.0004	-0.0003	0	----
BW24	-355.005	-614.734	99.844	0.0004	-0.0001	0.0001	0	----
BWN	-359.954	-619.042	103.987	-0.0003	0.0001	-0.0001	6	0.61
PP01	-360.082	-631.015	99.538	0.0003	0.0002	0	3	----
SG01	-357.136	-627.998	97.759	0.0004	-0.0004	-0.0002	0	----
SG02	-334.101	-627.567	91.755	0	-0.0003	0	0	----
SG03	-364.434	-628.772	100.882	0.0003	0.0004	0.0003	0	----
SG04	-355.661	-626.643	102.371	-0.0001	0.0002	0.0001	0	----
SM01	-357.173	-631.203	102.529	0	-0.0003	0.0003	0	----
SM02	-354.032	-630.039	98.688	0.0005	-0.0005	-0.0001	0	----
SM04	-346.074	-615.613	97.006	-0.0002	0.0003	0	0	----
SM05	-366.660	-629.999	103.436	0.0003	0.0002	-0.0004	0	----
SM06	-368.184	-626.046	104.757	0.0001	-0.0005	-0.0004	0	----
SM07	-357.552	-621.692	103.881	0.0004	0.0001	-0.0004	0	----
SM08	-365.263	-624.602	103.241	-0.0002	-0.0002	-0.0002	0	----
SM09	-365.126	-618.645	103.200	0	-0.0002	0.0002	0	----

SM10	-354.810	-614.239	99.681	-0.0004	-0.0002	0.0004	0	----
SM96	-365.808	-617.748	102.352	0.0001	-0.0002	0.0005	0	----
SM99	-366.296	-626.864	102.200	0.0005	0.0004	-0.0004	0	----
JN0101	-350.810	-616.610	100.025	-0.0004	-0.0004	0.0005	3	----
JN0102	-352.409	-614.537	97.965	-0.0003	0.0001	-0.0001	3	----
JN0103	-354.489	-614.188	99.120	-0.0001	0.0004	0.0003	3	----
JN0104	-354.930	-616.709	100.730	0.0003	-0.0001	0.0003	3	----
JN0105	-356.161	-615.504	98.238	0.0001	-0.0002	0	3	----
JN0106	-358.443	-616.190	100.487	-0.0002	0.0001	-0.0005	3	----
JN0107	-360.241	-615.404	98.435	-0.0005	-0.0001	0.0002	3	----
JN0108	-363.640	-615.346	100.425	-0.0004	0.0004	-0.0005	0	----
JN0109	-364.591	-616.049	98.397	-0.0002	0.0002	0.0003	3	----
JN0110	-364.522	-617.487	100.180	-0.0004	-0.0005	0.0001	3	----
JN0111	-363.240	-618.958	99.079	-0.0003	-0.0004	-0.0005	0	----
JN0114	-353.245	-618.239	98.273	-0.0004	-0.0001	-0.0002	3	----
JN0115	-361.380	-616.830	100.745	-0.0001	0	0	3	----
JN0116	-365.002	-617.670	100.178	-0.0004	0	0.0003	3	----
JN0117	-365.571	-617.155	98.635	-0.0001	0.0002	0.0002	3	----
JN0118	-365.216	-618.251	98.448	0.0004	-0.0002	0.0003	3	----
JN0120	-369.914	-617.853	100.773	-0.0004	-0.0004	0.0004	6	1.80
JN0121	-370.678	-618.732	100.126	0.0003	0.0001	0.0001	9	1.70
JN0206	-360.725	-614.758	103.079	0.0004	-0.0003	-0.0004	3	----
JN0301	-351.040	-619.643	98.420	0.0001	0.0001	0.0001	9	1.21
JN0302	-353.240	-619.719	98.665	0.0003	-0.0002	0.0003	9	1.27
JN0303	-355.986	-620.081	98.885	0.0001	-0.0002	0.0002	7	0.70
JN0304	-360.508	-620.037	99.003	0.0004	-0.0002	0.0002	9	3.65
JN0305	-365.158	-619.992	99.610	-0.0004	-0.0004	-0.0002	6	1.17
JN0306	-369.139	-619.448	99.491	0.0002	0.0003	-0.0001	6	2.64
JN0307	-371.782	-619.533	99.902	-0.0002	0.0004	-0.0004	6	6.28
JN0308	-376.287	-619.644	100.336	0.0001	0.0001	0.0003	6	2.85
JN0309	-382.305	-619.780	101.042	0.0003	0.0002	-0.0001	6	1.44
JN0310	-352.069	-619.671	103.102	0.0002	0	-0.0003	3	----
JN0311	-358.805	-620.081	103.308	0	-0.0003	-0.0004	3	----
JN0312	-359.876	-620.080	103.960	0.0005	0.0002	0.0002	3	----
JN0312I	-359.905	-620.076	103.899	-0.0002	0.0002	0	3	----
JN0313	-361.687	-620.026	103.408	-0.0004	-0.0002	0.0004	3	----
JN0314	-369.566	-619.469	101.966	-0.0004	0.0004	-0.0003	3	----
JN0320	-352.554	-619.635	98.158	0.0003	-0.0001	-0.0003	6	0.34
JN0321	-357.017	-620.074	98.764	0.0003	0.0002	-0.0005	3	----
JN0322	-363.283	-620.013	99.137	0	0	0.0005	6	0.67
JN0401	-350.572	-619.547	97.034	0.0004	0.0002	-0.0001	6	0.37
JN0402	-349.064	-617.031	96.772	0	0.0005	0.0001	6	0.61
JN0403	-349.616	-618.076	102.539	0.0001	0.0001	0.0002	6	0.61
JN0404	-350.168	-619.055	104.316	0.0005	0	0.0002	6	0.61
JN0405	-350.445	-613.619	99.409	-0.0004	-0.0005	-0.0003	12	0.46
JN0406	-354.270	-613.045	100.236	0.0001	-0.0001	-0.0004	9	1.61
JN0407	-358.362	-612.774	100.898	-0.0002	-0.0001	0.0004	9	0.30
JN0408	-351.031	-613.503	104.587	-0.0001	-0.0001	-0.0002	15	0.56
JN0409	-358.610	-611.737	105.677	0.0002	0	-0.0003	9	0.47
JN0410	-358.339	-609.435	105.634	0.0001	0.0001	0.0004	12	0.50
JN0411	-358.223	-606.240	100.936	0.0003	0.0004	0.0005	9	0.29
JN0412	-358.420	-608.977	100.906	-0.0002	0	-0.0001	12	0.48
JN0420	-356.802	-604.806	100.868	-0.0001	-0.0003	0.0002	9	0.31
JN0421	-356.528	-602.426	100.908	0.0005	0.0004	0.0001	9	0.21
JN0422	-356.754	-602.204	100.848	0.0004	-0.0002	-0.0003	9	1.32
JN0423	-358.653	-601.100	101.281	-0.0003	-0.0002	-0.0004	9	0.23
JN0424	-359.132	-601.352	101.467	-0.0002	0.0001	0	6	0.27
JN0425	-360.319	-601.237	102.995	-0.0005	0.0004	0.0001	6	0.23
JN0426	-361.829	-600.845	101.657	-0.0004	-0.0003	-0.0001	6	0.26
JN0427	-357.475	-601.618	104.183	0.0003	-0.0005	-0.0001	9	0.45
JN0428	-356.572	-603.735	104.443	0.0003	0	-0.0002	9	0.16
JN1101	-359.060	-619.428	103.593	0.0005	-0.0002	0	3	----

JN1102	-356.423	-619.889	106.111	0.0004	0.0001	0.0003	3	----
JN1103	-353.885	-618.421	103.058	0.0002	-0.0003	0.0002	6	0.70
JN1104	-351.287	-619.182	104.388	0.0004	0	0.0004	6	0.42
JN1105	-351.756	-614.830	102.868	-0.0004	0.0004	-0.0001	6	0.25
JN1106	-355.202	-614.794	104.172	-0.0004	-0.0002	-0.0003	3	----
JN1107	-360.097	-618.094	106.472	0.0004	-0.0004	0.0002	3	----
JN1108	-350.311	-617.244	104.224	-0.0001	-0.0005	0.0005	9	1.39
JN1109	-359.564	-614.271	103.424	-0.0003	-0.0001	0.0001	3	----
JN1301	-361.576	-617.891	103.973	0.0003	-0.0001	0.0004	3	----
JN1302	-368.112	-616.694	102.785	0.0002	0.0003	-0.0001	3	----
JN1303	-368.238	-617.693	104.678	0.0004	0.0002	-0.0002	6	2.11
JN1304	-366.011	-616.536	104.060	0.0003	0.0005	0	3	----
JN1305	-362.317	-616.709	102.593	-0.0004	-0.0002	-0.0003	3	----
JN1306	-368.150	-617.702	102.663	-0.0001	0	-0.0001	3	----
JN1307	-359.545	-616.777	104.392	-0.0001	0.0002	-0.0004	3	----
JN1308	-359.420	-617.936	102.767	-0.0002	-0.0001	-0.0004	3	----
JN1401	-365.265	-616.299	102.830	0.0001	0.0005	0.0001	0	----
JN1402	-365.268	-615.267	104.317	0.0001	0.0002	0.0003	0	----
JN1403	-366.460	-615.237	102.910	-0.0004	0	0.0004	0	----
JN1404	-367.750	-615.437	104.155	-0.0003	0.0004	0.0004	0	----
JN1405	-367.433	-616.158	102.974	-0.0004	0.0004	0.0004	0	----
JN1406	-366.500	-616.007	104.322	0.0004	-0.0001	-0.0001	0	----
JN1501	-360.627	-611.555	105.550	-0.0002	0.0001	0.0003	12	0.62
JN1502	-360.361	-608.359	105.619	0.0001	0.0001	0.0005	12	0.49
JN1503	-360.217	-606.290	103.635	0.0004	0	0	6	0.35
JN1504	-360.590	-609.915	103.277	0.0001	-0.0003	0.0004	6	0.41
JN1505	-360.830	-613.284	103.507	0	-0.0003	0.0004	3	----
JN1506	-362.509	-614.945	104.223	0.0004	-0.0003	0.0001	12	0.42
JN1507	-363.063	-613.042	103.335	0.0002	0.0003	0.0005	3	----
JN1508	-362.485	-609.025	103.697	0	0.0003	0.0001	6	0.28
JN1509	-362.020	-605.598	103.192	-0.0003	-0.0002	0.0001	3	----
JN1510	-361.553	-603.470	104.472	0.0004	0.0005	0.0001	15	0.46
JN1511	-360.810	-615.016	104.439	-0.0002	-0.0003	0.0002	9	0.27
JN1514	-361.665	-614.828	102.727	0.0004	0.0001	0.0003	0	----
JN1601	-359.489	-602.918	103.240	0	0.0004	0	3	----
JN1602	-358.267	-601.675	104.220	0.0002	0.0002	-0.0003	9	0.44
JN1603	-357.704	-603.010	103.289	-0.0005	-0.0004	-0.0003	9	0.35
JN1604	-358.130	-604.394	105.117	-0.0002	0.0001	0.0003	9	0.23
JN1605	-359.795	-605.753	103.692	-0.0004	-0.0004	0.0004	6	0.74
JN1606	-360.599	-603.939	105.374	-0.0002	-0.0002	0	9	0.41
JN1609	-360.599	-603.940	105.374	-0.0002	0.0004	0	3	----
JN1701	-362.874	-606.552	103.391	0.0004	0.0004	0.0004	12	0.35
JN1702	-363.679	-611.872	103.378	-0.0005	-0.0004	0.0003	15	0.38
JN1801	-363.407	-602.833	105.692	0.0002	0.0004	0.0002	15	0.33
JN1802	-368.325	-601.387	105.667	-0.0002	0.0003	0.0004	15	0.46
JN1803	-365.680	-602.220	103.705	-0.0001	-0.0001	0.0002	18	0.31
JN1804	-369.410	-602.790	103.183	0	-0.0002	0.0005	9	0.33
JN1901	-368.126	-614.786	103.271	0.0004	0	-0.0002	15	0.35
JN1902	-364.531	-614.908	103.486	0.0002	0	0.0003	9	0.23
JN1903	-366.244	-614.839	106.076	-0.0002	-0.0004	0.0003	15	0.45
JN2001	-369.733	-604.871	103.558	-0.0003	0.0002	0.0002	9	0.46
JN2002	-369.869	-606.462	102.906	-0.0002	-0.0001	-0.0001	9	0.36
JN2003	-370.563	-606.261	103.659	-0.0003	-0.0004	-0.0004	3	----
JN2004	-370.358	-604.713	102.594	-0.0002	0.0004	0.0001	3	----
JN2005	-370.778	-608.094	102.544	0.0004	0	-0.0003	3	----
JN2006	-370.880	-609.142	102.959	0.0002	0	-0.0005	6	0.59
JN2007	-370.156	-609.133	102.682	-0.0003	0.0003	0.0004	12	0.25
JN2008	-370.055	-608.141	103.082	-0.0004	-0.0005	-0.0005	12	0.25
JN2009	-370.286	-610.344	102.736	-0.0002	-0.0001	0.0004	12	0.38
JN2010	-370.765	-614.612	102.895	-0.0005	0	-0.0004	12	0.42
JN2011	-371.624	-614.728	102.614	0.0003	-0.0001	-0.0002	12	1.63
JN2012	-372.657	-612.967	102.594	0.0003	0.0002	0.0005	3	----

JN2013	-371.051	-610.422	102.571	0.0002	0.0003	-0.0001	9	0.53
JN2101	-375.280	-602.086	102.716	-0.0001	0.0003	-0.0004	6	0.13
JN2102	-374.021	-599.965	104.901	0.0001	-0.0003	0	9	0.36
JN2103	-370.141	-600.862	105.491	0.0001	0	0.0003	9	0.62
JN2104	-372.100	-600.300	103.140	0	0.0002	0.0003	9	0.56
JN2105	-370.153	-603.000	102.809	0.0002	-0.0004	0.0001	3	----
JS0101	-369.511	-625.826	100.126	-0.0002	-0.0004	0.0001	3	----
JS0102	-352.390	-628.770	97.813	0	0.0001	0.0003	6	0.54
JS0103	-351.548	-628.307	99.749	-0.0004	-0.0001	-0.0005	6	0.26
JS0104	-354.165	-625.238	97.904	0.0001	-0.0005	-0.0003	3	----
JS0105	-355.446	-628.659	99.310	-0.0001	-0.0001	-0.0003	0	----
JS0106	-355.556	-626.366	100.497	0.0005	0	-0.0005	3	----
JS0107	-358.182	-625.189	98.126	-0.0003	0.0002	0.0002	3	----
JS0108	-359.530	-626.378	100.584	-0.0001	0	-0.0003	3	----
JS0109	-360.931	-625.152	99.510	-0.0002	0	0.0003	3	----
JS0111	-358.158	-630.448	98.267	0.0002	0.0002	-0.0002	0	----
JS0112	-369.847	-625.081	100.574	-0.0001	0	-0.0002	6	0.98
JS0113	-350.311	-626.078	99.122	-0.0005	-0.0002	0.0003	9	1.68
JS0115	-366.240	-627.165	98.606	0.0005	-0.0002	0.0003	3	----
JS0116	-361.614	-627.299	99.898	0.0003	-0.0003	0.0001	3	----
JS0201	-360.240	-628.900	99.279	-0.0001	0.0004	0.0002	6	0.85
JS0202	-362.090	-628.910	100.580	-0.0003	0.0004	0	3	----
JS0203	-364.309	-628.938	101.168	0.0004	-0.0004	0.0003	0	----
JS0204	-364.809	-629.228	103.570	-0.0001	0	-0.0002	3	----
JS0205	-366.113	-630.000	102.474	0.0003	-0.0005	0.0004	3	----
JS0206	-366.886	-629.300	103.802	-0.0001	0.0004	-0.0004	0	----
JS0207	-365.631	-628.501	102.182	0.0004	0.0001	0.0003	0	----
JS0208	-365.264	-628.228	101.415	-0.0003	-0.0003	0.0004	0	----
JS0209	-364.287	-627.888	103.216	0.0002	0.0004	-0.0001	0	----
JS0210	-365.402	-627.088	103.763	0.0002	0.0002	0.0003	3	----
JS0212	-364.518	-626.836	104.012	-0.0001	-0.0002	0.0005	3	----
JS0213	-362.652	-627.895	99.691	0.0005	-0.0003	-0.0001	0	----
JS0214	-359.872	-627.853	99.845	0.0001	0.0004	-0.0004	0	----
JS0215	-360.230	-627.863	98.295	-0.0003	0.0002	-0.0005	0	----
JS0216	-365.400	-627.088	103.762	-0.0002	0	0.0003	0	----
JS0301	-351.074	-623.960	97.323	-0.0001	-0.0004	-0.0003	9	0.76
JS0302	-353.040	-623.934	98.549	0.0003	0.0001	0.0002	15	1.85
JS0303	-355.949	-623.405	98.469	-0.0003	-0.0004	-0.0003	9	0.89
JS0304	-360.530	-623.329	98.843	0.0001	-0.0004	0	9	1.14
JS0305	-364.815	-623.264	99.276	0.0004	0.0003	0.0005	6	0.42
JS0306	-368.373	-623.476	99.579	-0.0003	0	0.0001	6	1.36
JS0307	-371.690	-623.515	99.692	0.0003	0.0002	-0.0003	9	2.26
JS0308	-376.822	-623.463	100.541	0.0002	-0.0003	0.0004	12	3.81
JS0309	-382.518	-623.414	101.052	0.0003	0.0003	-0.0002	9	4.34
JS0310	-352.263	-623.933	102.968	-0.0003	0.0004	-0.0003	3	----
JS0311	-358.754	-623.360	103.785	-0.0004	0	0.0003	6	1.40
JS0312	-360.184	-623.356	103.447	0.0003	-0.0003	-0.0002	6	1.60
JS0313	-363.094	-623.291	103.860	-0.0003	0.0002	-0.0005	11	1.33
JS0314	-369.232	-623.515	101.989	-0.0003	-0.0001	0.0005	12	1.68
JS0320	-352.734	-623.935	98.325	0.0004	-0.0001	-0.0002	12	0.53
JS0321	-357.001	-623.384	98.711	-0.0004	0.0004	-0.0003	6	0.34
JS0322	-363.238	-623.294	99.167	0.0004	-0.0004	-0.0003	6	1.89
JS0401	-351.001	-623.988	99.364	-0.0003	-0.0001	-0.0001	9	0.74
JS0402	-349.326	-626.897	97.899	-0.0005	0.0001	-0.0001	12	0.51
JS0403	-349.789	-625.899	102.970	0.0004	-0.0004	-0.0001	12	0.71
JS0409	-365.366	-632.950	106.420	0.0003	0.0002	-0.0003	0	----
JS0501	-349.240	-627.062	99.432	-0.0002	-0.0002	-0.0003	6	0.29
JS0502	-350.861	-630.016	97.677	-0.0003	0.0004	0.0002	6	0.44
JS0503	-351.433	-630.121	99.809	0.0003	-0.0002	-0.0001	9	0.59
JS0504	-356.115	-630.204	99.316	0.0002	-0.0001	-0.0003	5	0.92
JS0505	-358.677	-632.673	99.965	-0.0001	-0.0001	0.0002	6	0.81
JS0506	-350.047	-628.680	103.537	0.0004	-0.0004	0.0001	3	----

JS0507	-352.363	-630.185	102.429	-0.0003	-0.0003	0.0004	9	0.51
JS0508	-357.073	-631.174	103.085	0.0004	-0.0004	0	6	0.54
JS0509	-349.357	-627.643	106.734	0.0003	0.0004	0.0004	3	----
JS0510	-358.238	-632.306	106.465	-0.0003	0.0001	0	3	----
JS0601	-358.808	-632.653	98.611	-0.0001	-0.0001	-0.0005	3	----
JS0602	-362.058	-631.947	99.807	-0.0004	0	-0.0002	6	0.94
JS0603	-365.903	-633.855	99.899	0	-0.0003	-0.0004	5	0.25
JS0604	-369.043	-635.737	99.708	-0.0003	0.0001	0.0004	6	0.76
JS0605	-371.698	-638.456	99.137	0.0003	0	0.0001	6	0.98
JS0606	-374.792	-642.131	99.388	0.0003	-0.0003	-0.0003	9	0.54
JS0607	-377.234	-646.275	99.961	0.0004	0	0.0002	9	1.30
JS0608	-360.185	-631.260	103.046	0.0004	0	-0.0005	3	----
JS0609	-362.294	-631.783	106.500	-0.0002	-0.0001	0.0003	6	0.68
JS0610	-367.098	-634.403	104.074	0.0005	-0.0005	0.0002	6	0.35
JS0611	-374.574	-641.547	103.763	0.0002	-0.0002	0.0002	8	0.77
JS1101	-357.295	-625.575	104.388	0	-0.0003	0.0001	0	----
JS1102	-355.700	-625.301	102.483	-0.0003	0.0003	0.0003	3	----
JS1103	-355.610	-626.072	105.078	0.0004	0.0001	0.0003	0	----
JS1104	-353.884	-625.284	105.414	0.0001	0	-0.0004	3	----
JS1105	-351.946	-625.282	102.368	-0.0005	0.0004	0.0001	0	----
JS1106	-350.790	-627.116	105.386	0	-0.0002	-0.0002	9	2.25
JS1107	-351.721	-628.791	102.522	-0.0003	-0.0005	0.0004	0	----
JS1108	-354.421	-628.473	105.575	0.0003	-0.0002	0.0004	0	----
JS1110	-358.153	-631.104	103.466	-0.0002	0.0003	0.0001	5	3.09
JS1116	-363.031	-630.155	104.400	0.0001	-0.0003	-0.0003	0	----
JS1117	-363.176	-628.788	102.369	0.0004	0	-0.0003	0	----
JS1201	-368.192	-625.907	103.608	0.0002	0	0.0002	6	0.90
JS1202	-365.397	-625.411	103.638	0	0.0001	0.0005	3	----
JS1206	-359.983	-625.529	102.363	0.0001	-0.0002	-0.0003	3	----
JS1301	-365.820	-627.677	103.660	0.0002	0.0003	-0.0001	0	----
JS1310	-366.755	-628.156	104.081	-0.0002	-0.0004	0.0003	0	----
JS1302	-366.645	-628.497	102.698	0.0003	-0.0001	-0.0002	0	----
JS1304	-367.635	-627.134	102.765	-0.0004	-0.0005	-0.0002	0	----
JS1305	-366.611	-627.176	103.996	-0.0001	-0.0005	-0.0001	0	----
JS0211	-364.387	-627.015	102.214	-0.0003	0.0001	-0.0003	0	----
JS1211	-367.583	-626.555	104.560	-0.0004	0	-0.0003	0	----
JS1209	-364.057	-626.616	104.151	0.0001	0.0001	-0.0003	0	----
JS1303	-367.820	-628.134	103.798	0.0004	-0.0002	-0.0003	0	----
JS1400	-357.234	-624.945	104.147	-0.0002	0.0002	-0.0002	0	----
JS1401	-357.071	-624.041	103.933	0.0001	0.0003	0.0003	0	----
JS1403	-360.557	-623.973	104.489	0.0003	-0.0002	0.0004	0	----
JS1405	-364.566	-623.903	105.108	0.0001	-0.0002	-0.0005	0	----
JS1406	-365.319	-624.797	104.975	-0.0003	-0.0001	0.0004	6	4.49
JS1407	-362.266	-624.866	102.855	0.0003	-0.0004	0.0003	2	----
JS1408	-359.508	-624.906	104.286	0.0002	0.0001	0.0001	0	----
JS1502	-365.438	-623.390	105.040	-0.0002	-0.0005	-0.0004	6	2.44
JS1503	-365.391	-621.589	104.901	-0.0003	0.0004	0	11	4.06
JS1504	-365.359	-620.608	103.357	-0.0004	-0.0001	0.0004	6	4.09
JS1505	-365.272	-618.561	104.954	0	0.0002	-0.0002	9	4.38
JS1506	-364.429	-619.408	103.623	0.0004	0	0	3	----
JS1507	-364.491	-621.200	105.033	0.0001	-0.0001	0	3	----
JS1601	-365.210	-618.480	103.288	0.0002	0	-0.0003	3	----
JS1602	-362.199	-618.517	104.192	0.0004	0.0004	0.0002	6	0.97
JS1603	-360.428	-618.525	103.061	0.0001	-0.0002	0	6	0.72
JS1604	-359.865	-618.797	104.596	0.0004	0.0004	0.0001	6	1.19
JS1605	-360.213	-619.425	103.004	-0.0002	-0.0002	0.0002	6	2.59
JS1606	-362.267	-619.381	104.528	-0.0004	-0.0003	0.0003	6	4.55
JS1607	-363.143	-619.372	102.927	-0.0005	-0.0001	0.0003	6	1.42
JS1702	-355.734	-621.373	104.619	0	0.0002	0.0001	0	----
JS1704	-355.792	-624.416	103.944	-0.0003	0.0003	0	2	----
JS1705	-357.225	-624.993	102.317	-0.0004	0	0.0003	3	----
JV0101	-354.509	-623.405	101.230	-0.0002	0.0001	0.0005	3	----

JV0102	-354.434	-620.056	97.755	0.0002	-0.0002	0.0003	6	0.99
JV0103	-354.303	-620.162	104.628	0.0004	0	0	6	0.87
JV0104	-354.294	-620.605	106.547	-0.0002	0.0001	0.0004	9	1.32
JV0105	-354.342	-621.092	106.764	0.0002	0.0003	0.0002	6	0.75
JV0106	-354.408	-622.055	103.057	0.0002	0.0001	0.0004	3	----
JV0201	-357.865	-621.283	103.599	-0.0001	0.0004	-0.0002	12	1.40
JV0202	-357.857	-620.292	100.858	0	-0.0004	0.0001	9	0.31
JV0203	-357.907	-623.222	100.726	-0.0003	0	0.0004	3	----
JV0301	-363.908	-622.077	103.711	-0.0001	-0.0004	-0.0004	14	2.03
JV0302	-363.866	-620.435	101.979	-0.0003	0.0004	-0.0004	9	0.56
JV0303	-363.930	-623.144	101.445	0.0003	0.0004	0.0005	9	0.84
JV0304	-363.862	-621.804	106.376	0.0004	0.0004	0.0002	5	0.77
JV0401	-366.127	-623.276	98.740	-0.0003	-0.0001	0	6	1.27
JV0402	-366.060	-619.935	98.674	0.0001	-0.0001	-0.0005	6	1.37
JV0403	-368.324	-619.663	101.013	-0.0004	0.0002	0.0003	6	1.52
JV0404	-368.351	-619.488	104.648	-0.0002	-0.0001	-0.0001	18	0.57
JV0405	-368.394	-623.250	104.367	0.0002	0	-0.0002	15	0.90
JV0406	-368.449	-628.194	102.364	0.0004	0.0002	0.0005	3	----
JV0407	-368.320	-628.102	106.406	-0.0005	0.0004	-0.0005	9	0.16
JV0408	-368.352	-614.862	102.702	0.0002	-0.0001	0.0003	9	0.60
JV0409	-365.366	-632.950	106.420	0	-0.0004	-0.0001	18	0.86
JV0410	-368.344	-614.940	105.974	-0.0001	0.0001	0.0003	11	0.51
JV0411	-368.402	-622.118	106.650	0.0001	-0.0003	0	24	2.00
NAT1	-368.362	-629.241	98.427	0	-0.0005	0	0	----
NAT2	-367.646	-629.512	98.076	-0.0002	0	-0.0002	0	----
NAT3	-344.010	-617.422	94.050	0.0001	0.0001	-0.0004	0	----
L001	-376.068	-653.908	96.550	0.0002	-0.0001	-0.0002	0	----
L002	-369.602	-642.858	98.004	-0.0003	0.0001	-0.0001	0	----
L003	-360.497	-636.824	98.084	-0.0005	-0.0001	0.0001	0	----
L004	-367.067	-637.147	100.503	-0.0001	-0.0003	0.0005	0	----
L005	-354.500	-632.811	98.757	0.0003	-0.0004	0.0002	0	----
L006	-348.945	-636.220	96.080	-0.0003	-0.0004	0.0004	0	----
L007	-347.242	-630.682	98.668	0.0004	-0.0002	-0.0004	0	----
L008	-344.521	-625.187	98.484	0.0004	-0.0002	0	0	----
L009	-346.230	-621.595	98.077	-0.0001	0	0.0004	0	----
L010	-350.155	-621.459	98.451	-0.0002	0	0.0004	0	----
L011	-352.310	-621.824	98.764	0	0.0001	0.0001	0	----
L012	-374.966	-638.133	104.523	0	-0.0001	-0.0003	0	----
L013	-381.475	-633.927	104.987	0.0003	-0.0003	-0.0002	0	----
L014	-378.905	-624.969	103.366	0	-0.0002	-0.0001	0	----
L015	-357.859	-621.640	99.343	-0.0002	-0.0005	0	0	----
L016	-363.812	-621.585	99.983	0.0001	-0.0003	0.0001	0	----
L017	-370.425	-627.666	103.789	-0.0003	-0.0003	0.0001	0	----
L018	-367.759	-630.498	103.738	0.0003	0	0.0002	0	----
L019	-366.757	-621.485	100.126	-0.0002	0.0005	0.0001	0	----
L020	-353.037	-626.953	99.127	0.0004	0.0002	-0.0005	0	----
L021	-356.933	-627.741	99.224	0.0001	0.0001	-0.0002	0	----
L022	-363.233	-625.898	99.401	0.0004	0.0001	-0.0003	0	----
L023	-368.540	-625.740	100.134	0	-0.0003	0.0002	0	----
L024	-347.652	-641.860	93.699	0	-0.0003	0.0001	0	----
L025	-368.326	-654.502	93.972	-0.0001	0.0005	0.0003	0	----
L026	-372.783	-621.464	100.791	-0.0005	0.0004	-0.0002	0	----
L027	-346.944	-614.788	100.801	0.0004	-0.0005	0.0001	0	----
L028	-351.349	-612.058	100.897	0.0001	0.0002	-0.0001	0	----
L029	-343.260	-606.819	100.271	-0.0003	0.0003	0.0001	0	----
L030	-352.903	-603.428	101.442	0.0003	0.0004	-0.0001	0	----
L031	-354.732	-597.210	102.002	0	0	0.0001	0	----
L032	-360.895	-596.707	102.218	0.0002	0.0003	0.0004	0	----
L033	-364.138	-596.766	101.781	-0.0002	-0.0003	-0.0004	0	----
L034	-373.014	-596.888	100.589	0.0002	-0.0002	-0.0002	0	----
L035	-377.916	-595.654	100.707	-0.0005	-0.0003	-0.0002	0	----
L036	-352.275	-625.906	98.951	0	0.0003	-0.0005	0	----

L037	-358.178	-629.287	99.194	0.0004	-0.0003	0	0	----
L038	-359.043	-628.148	99.255	-0.0003	0.0004	-0.0002	0	----
L039	-361.136	-628.355	99.637	-0.0005	0.0001	-0.0005	0	----
L040	-362.047	-628.343	100.284	-0.0003	-0.0004	-0.0001	0	----
L041	-362.713	-628.451	100.872	0.0005	-0.0002	-0.0005	0	----
L042	-363.641	-628.411	101.672	0.0003	-0.0003	0.0003	0	----
L043	-364.572	-628.272	102.379	0.0001	-0.0002	-0.0004	0	----
L044	-364.965	-626.063	103.307	0.0001	0.0003	-0.0001	0	----
L045	-366.215	-629.405	103.604	-0.0004	0.0001	0.0001	0	----
L046	-361.044	-626.134	103.286	-0.0005	0.0002	-0.0003	0	----
L047	-356.505	-626.984	103.722	-0.0001	0.0003	-0.0004	0	----
L048	-358.256	-628.259	103.742	0.0002	0	0.0001	0	----
L049	-358.744	-630.516	103.508	0	-0.0001	-0.0001	0	----
L050	-362.017	-629.089	103.542	0.0004	0.0004	-0.0003	0	----
L051	-352.660	-628.586	103.673	0.0002	-0.0003	0.0001	0	----
L052	-352.077	-626.692	103.746	0	-0.0002	0.0004	0	----
L053	-367.661	-628.799	98.803	0.0002	0	-0.0004	0	----
L054	-356.170	-624.760	103.454	0	0.0002	0.0003	0	----
L055	-356.340	-621.775	103.818	0	-0.0001	-0.0002	0	----
L056	-359.313	-624.479	103.589	-0.0001	-0.0004	0.0001	0	----
L057	-362.460	-624.454	103.717	0.0002	-0.0004	0.0004	0	----
L058	-365.168	-624.313	104.482	0.0002	0.0002	-0.0005	0	----
L059	-364.982	-621.591	104.402	0.0004	0.0001	-0.0003	0	----
L060	-364.890	-618.982	104.414	0.0003	-0.0001	-0.0004	0	----
L061	-362.150	-618.859	103.568	0	0.0003	0.0004	0	----
L062	-352.235	-616.506	99.191	0.0002	-0.0001	-0.0001	0	----
L063	-353.999	-614.966	99.253	-0.0003	-0.0001	0.0004	0	----
L064	-357.080	-616.816	99.253	-0.0003	-0.0005	0	0	----
L065	-360.288	-616.533	99.355	0	0.0004	0.0003	0	----
L066	-363.278	-616.828	99.489	0.0002	-0.0005	-0.0005	0	----
L067	-366.073	-617.887	99.714	0.0001	0.0003	-0.0004	0	----
L068	-369.794	-618.452	100.197	-0.0003	-0.0003	-0.0002	0	----
L069	-351.548	-617.235	103.648	0.0003	-0.0001	0.0001	0	----
L070	-352.766	-616.019	103.856	-0.0004	0	-0.0003	0	----
L071	-357.909	-618.738	103.772	0.0003	-0.0005	0.0002	0	----
L072	-357.240	-615.367	103.839	0.0001	-0.0001	-0.0001	0	----
L073	-361.367	-617.450	103.628	-0.0005	0.0003	-0.0002	0	----
L074	-361.468	-609.772	104.301	0.0001	-0.0005	0.0004	0	----
L075	-355.845	-614.578	99.391	-0.0004	0.0005	-0.0002	0	----
L076	-356.900	-614.556	100.143	-0.0004	-0.0005	0.0001	0	----
L077	-357.964	-614.451	100.859	0.0005	-0.0004	0.0002	0	----
L078	-358.961	-614.378	101.605	0.0003	-0.0001	-0.0005	0	----
L079	-359.953	-614.396	102.356	0.0004	0.0001	-0.0004	0	----
L080	-360.532	-614.253	102.869	0	-0.0004	-0.0004	0	----
L081	-362.667	-614.184	103.664	0	0.0004	-0.0004	0	----
L082	-361.321	-615.372	103.503	-0.0005	-0.0004	-0.0004	0	----
L083	-356.308	-621.739	108.686	-0.0003	-0.0005	0.0001	0	----
L084	-363.587	-624.946	108.470	0.0001	-0.0005	-0.0001	0	----
L085	-364.603	-621.326	108.289	0.0005	0.0002	0.0005	0	----
L086	-361.832	-618.720	108.300	-0.0003	0.0001	-0.0002	0	----
L087	-358.739	-604.385	103.915	0.0002	0	-0.0004	0	----
L088	-358.411	-602.566	104.520	-0.0003	-0.0002	-0.0002	0	----
L089	-360.877	-605.918	104.489	-0.0001	0.0005	0.0002	0	----
L090	-365.848	-611.957	104.164	0	-0.0001	-0.0005	0	----
L091	-365.354	-603.542	103.916	0.0001	0.0002	-0.0001	0	----
L092	-373.814	-600.595	103.874	0.0004	-0.0004	0.0005	0	----
L093	-374.820	-608.426	103.559	-0.0001	-0.0001	-0.0005	0	----
L094	-380.459	-616.225	103.139	-0.0003	0	0	0	----
L095	-366.977	-615.735	103.274	-0.0005	0.0004	-0.0001	0	----
L096	-365.704	-615.660	104.003	0.0005	0	-0.0001	0	----
L097	-363.537	-617.501	103.753	-0.0005	0	0	0	----
L098	-366.409	-617.440	103.751	0.0001	-0.0002	0.0001	0	----

L099	-366.429	-627.734	103.395	-0.0001	0.0002	-0.0005	0	----
L100	-365.708	-625.878	103.440	-0.0001	0.0004	-0.0003	0	----
L103	-355.133	-628.547	103.643	0.0002	0.0004	0.0001	0	----
L104	-358.875	-627.970	103.677	-0.0002	0.0005	-0.0003	0	----
L105	-366.543	-627.906	102.809	-0.0001	-0.0004	-0.0002	0	----
L107	-334.319	-605.297	95.802	-0.0004	-0.0003	-0.0005	0	----
L108	-326.639	-620.593	92.755	0.0004	0.0003	-0.0005	0	----
L109	-341.410	-616.056	93.122	0	-0.0001	-0.0003	0	----
L110	-359.249	-630.567	99.198	0.0004	0.0002	0.0003	0	----
L111	-394.528	-613.762	98.356	0.0005	0.0004	-0.0002	0	----
L112	-390.854	-618.451	101.489	0.0004	-0.0004	0.0003	0	----
MR0101	-377.084	-625.293	102.581	0	0.0003	-0.0001	6	0.49
MR0102	-379.442	-626.488	101.939	0.0004	0.0004	0.0001	6	0.40
MR0103	-381.372	-627.444	102.685	-0.0003	-0.0001	0.0002	3	----
MR0104	-379.601	-627.328	102.099	0.0001	-0.0001	0.0004	9	0.72
MR0105	-377.544	-626.280	102.716	0.0002	-0.0002	-0.0001	6	0.45
MR0201	-376.032	-626.961	103.211	-0.0003	-0.0002	0.0003	3	----
MR0202	-376.679	-625.677	102.213	-0.0003	-0.0001	0.0002	3	----
MR0203	-375.301	-628.031	102.352	0.0004	0.0004	-0.0002	6	0.40
MR0204	-375.662	-628.611	102.275	0.0002	-0.0001	-0.0001	6	0.83
MR0205	-374.004	-629.725	102.294	-0.0005	0.0005	0.0002	6	0.25
MR0206	-372.056	-634.484	101.998	0.0004	-0.0002	-0.0004	6	0.61
MR0301	-374.506	-629.976	102.472	0.0002	-0.0003	-0.0003	3	----
MR0303	-376.350	-632.503	101.856	0.0001	0.0002	0.0004	6	1.50
MR0304	-374.495	-630.944	101.321	0	0.0004	-0.0002	3	----
MR0403	-380.244	-628.618	102.544	0	-0.0003	0.0001	6	0.51
MR0501	-368.144	-632.576	103.887	0.0004	-0.0001	0.0002	6	0.99
MR0502	-370.220	-634.212	103.416	-0.0005	0.0005	0.0003	9	1.15
MR0503	-372.995	-636.773	103.123	0.0001	-0.0004	0	15	1.14
MR0504	-366.617	-631.078	103.366	0.0001	-0.0002	-0.0005	6	0.47
MR0505	-369.356	-633.206	102.828	0.0001	0	0	3	----
MR0506	-372.045	-635.700	101.915	0.0001	0.0001	0.0001	6	0.36
MR0507	-375.809	-639.900	103.162	0.0005	0.0003	0.0001	9	0.41
MR0601	-372.620	-630.908	102.024	0.0004	-0.0004	-0.0002	6	0.49
MR0701	-371.488	-631.023	102.263	-0.0003	-0.0002	-0.0003	3	----
MR0701b	-371.256	-630.703	102.437	0.0002	0.0004	-0.0003	3	----
MR0702	-371.488	-631.023	102.262	0.0004	-0.0001	0.0004	3	----
MR0801	-369.901	-630.357	102.562	-0.0002	-0.0002	-0.0001	6	0.62
MR0901	-369.003	-631.718	102.694	-0.0004	0.0004	0.0004	6	0.40
PST01	-396.137	-611.355	96.796	-0.0004	0.0004	-0.0001	6	0.38
S01	-358.781	-594.445	102.303	-0.0001	0.0004	0.0004	32	0.81
S02	-355.952	-596.856	102.084	-0.0004	0.0005	-0.0003	36	1.02
S03	-350.694	-602.651	101.179	0	0.0003	0.0004	57	0.89
S04	-347.710	-610.271	100.729	0.0004	-0.0004	0.0003	54	0.78
S05	-343.507	-620.881	99.313	0	-0.0001	0.0004	63	0.94
S06	-345.214	-613.643	100.521	0.0001	0.0003	-0.0002	66	0.75
S07	-354.249	-621.699	98.944	0.0003	0.0003	0.0001	72	1.10
S08	-373.010	-607.665	103.926	0.0003	0.0005	0.0003	114	0.66
S09	-365.619	-606.482	104.386	0.0004	-0.0005	-0.0002	90	0.64
S10	-364.800	-610.928	104.536	0.0003	0.0004	0	102	0.63
S11	-359.125	-604.275	104.525	-0.0003	0.0001	0.0005	54	0.93
SL01IB	-364.832	-618.855	104.679	-0.0002	0.0003	-0.0002	36	2.57
SL01IB2	-364.825	-618.866	104.676	-0.0005	-0.0002	0.0004	12	1.78
SL02	-362.190	-619.045	103.690	0.0001	-0.0005	-0.0002	30	2.08
SL101	-459.354	-631.323	104.873	0.0004	0.0004	-0.0001	20	2.32
SL102	-451.434	-603.671	105.253	0.0004	-0.0004	0	12	1.76
SL15001	-361.018	-620.432	99.574	0.0005	0	0.0001	54	1.32
SL15002	-361.596	-622.535	99.645	-0.0004	0.0005	-0.0001	21	1.14
SL1503	-355.935	-626.376	103.731	0.0002	0	-0.0003	27	1.18
SL15002_1	-361.597	-622.536	99.646	-0.0001	-0.0003	0.0002	24	2.28
SLMR01	-369.106	-632.487	104.147	-0.0004	0.0005	-0.0001	42	0.73
SLMR02	-375.536	-634.894	103.604	-0.0004	-0.0002	-0.0001	74	0.71

SLMR03	-369.215	-632.247	103.868	-0.0001	-0.0003	0.0004	24	2.00
SL1703	-419.477	-633.321	104.411	-0.0005	0.0001	-0.0003	39	1.41
SL1704	-391.359	-604.123	106.014	-0.0001	-0.0005	-0.0004	62	1.16
SL1706	-444.584	-693.634	96.256	-0.0004	-0.0004	0.0004	24	0.77
SL1707	-486.709	-704.516	104.981	0	-0.0004	-0.0003	15	1.34
SL1801	-379.154	-637.314	104.768	-0.0002	-0.0003	0.0003	84	0.73
SL1802	-371.573	-624.916	103.777	0.0003	-0.0002	0.0003	66	0.77
SL1810	-368.677	-620.064	100.282	0.0001	0.0002	-0.0002	20	2.72
SL1811	-356.244	-623.089	99.176	-0.0003	0.0002	0.0004	14	2.74
SL1821	-357.152	-628.308	103.810	-0.0004	0.0004	-0.0004	27	1.72
SL1822	-365.548	-625.969	103.526	-0.0004	-0.0001	0.0003	13	2.75

Coordonnées compensées

dans le système de coordonnées en entrée

	Coordonnées compensées			Déplacements			Résidu moyen	
Point	X	Y	Z	dX	dY	dZ	nb_rel	sigma
POINTS calculÃ©s par l'atelier GNSS								
1001	640.463	410.176	101.010	-0.0027	-0.0037	-0.0009	22	0.69
1002	658.310	376.020	97.582	0.0065	0.0059	-0.0036	72	2.15
1003	547.642	301.476	94.987	-0.0210	-0.0045	-0.0127	26	1.37
1004	510.072	297.568	103.598	-0.0041	-0.0024	0	17	2.29
1004c	511.551	300.467	103.628	0	0	0	2	----
1005	532.524	319.839	104.770	-0.0032	0.0005	0.0033	41	1.23
1006	509.323	379.343	104.284	0.0087	-0.0111	-0.0146	29	1.93
1007	610.541	379.223	100.803	0.0092	-0.0009	0.0127	157	2.36
1008	624.925	383.119	101.994	0.0122	-0.0014	-0.0042	95	1.33
1009	638.991	394.152	102.986	-0.0002	0.0041	0.0105	113	0.97
1010	647.834	383.606	102.444	0.0091	-0.0016	-0.1559	56	0.75
1012	624.341	358.125	103.892	0.0011	0.0099	-0.0012	32	1.27
3001	626.447	340.599	92.029	-0.0089	0.0182	-0.0183	68	1.25
3002	628.722	378.857	98.979	0.0052	-0.0062	-0.0266	135	2.00
3003	644.143	377.824	107.040	0.0135	0.0128	0.0027	14	1.35
P01	646.792	404.100	100.318	0.0114	0.0004	0.0030	68	1.29
P02	671.262	389.072	94.347	0.0152	0.0094	-0.0059	14	1.91
P03	655.184	370.794	97.049	0.0080	0.0040	-0.0027	140	1.28
P04	648.841	361.402	94.573	0.0099	0.0044	-0.0093	96	1.41
P05	621.286	354.818	103.002	-0.0016	0.0054	-0.0064	101	1.74
G1	651.099	383.357	105.732	0.0082	0.0025	-0.0069	32	0.88
G2	634.873	366.898	106.650	0.0060	0.0043	-0.0106	48	1.63
G3	631.769	384.272	106.459	0.0085	0.0037	-0.0191	47	1.48
RN	500.000	500.000	105.431	0	0	105.4312	4	0.07
1004C	511.542	300.473	103.625	-0.0001	0.0001	-0.0002	6	1.39
1011	638.589	382.743	102.317	0	-0.0003	-0.0002	63	0.66
1013	587.682	407.347	99.966	0.0004	0.0005	-0.0002	3	----
0 1013b 587.679 407.346 99.972 0.0060 0.0180 0.0240								
2001	630.146	381.636	98.960	0.0003	-0.0003	-0.0001	43	0.96
2002	647.698	383.540	97.593	-0.0002	0.0001	-0.0001	52	1.17
2003	645.477	371.972	97.580	-0.0002	-0.0003	-0.0001	56	1.52
2004	631.561	374.746	98.713	0.0003	0	-0.0002	19	1.29
2004s	631.561	374.746	98.698	0.0004	0.0001	0	34	0.85
2012	643.470	375.503	102.249	0.0001	-0.0003	0	9	1.99
2013	643.779	378.607	102.492	0.0002	0.0001	-0.0001	19	2.12
2014	634.933	375.657	103.196	0	-0.0002	-0.0003	10	2.62
2014L	634.935	375.660	104.654	-0.0003	-0.0003	-0.0002	13	2.44
2015	635.005	378.453	103.173	-0.0003	-0.0002	0.0004	39	2.23
2016	634.454	374.049	102.031	0.0002	-0.0004	-0.0003	3	----
3018	647.039	373.971	102.284	0	-0.0003	0.0005	8	3.79
3010	635.269	371.877	100.808	-0.0001	0.0004	-0.0005	32	1.14

3011	641.645	370.226	102.356	0.0001	0.0002	-0.0001	6	1.27
BW assemblage laser								
BW02	653.099	386.306	99.709	0.0003	-0.0004	-0.0001	6	3.34
BW03	637.836	351.774	95.354	-0.0004	-0.0002	0.0005	0	----
BW04	606.191	383.926	104.903	-0.0003	-0.0004	-0.0004	39	0.90
BW05	641.262	369.833	99.234	-0.0004	-0.0004	-0.0005	0	----
BW06	638.514	402.038	102.734	-0.0003	0.0002	-0.0002	0	----
BW07	636.842	370.533	103.726	-0.0001	0	0.0001	0	----
BW08	643.822	380.063	104.070	-0.0003	0.0002	0.0003	3	----
BW09	640.051	380.966	104.027	0	0	-0.0005	0	----
BW10	611.490	373.053	105.115	-0.0004	-0.0002	0.0004	15	1.09
BW11	627.564	399.701	105.597	0.0003	-0.0002	0.0002	15	0.86
BW12	640.272	369.046	104.163	-0.0002	-0.0003	0.0002	3	----
BW13	633.256	371.847	104.119	0.0004	-0.0001	0.0001	3	----
BW14	631.792	370.692	98.663	0.0001	-0.0001	-0.0004	0	----
BW23	636.784	386.099	103.814	0	0.0004	-0.0003	0	----
BW24	645.000	385.276	99.883	0.0004	-0.0001	0.0001	0	----
BWN	640.052	380.968	104.027	-0.0003	0.0001	-0.0001	6	0.61
Spheres assemblage laser								
PP01	639.923	368.995	99.579	0.0003	0.0002	0	3	----
SG01	642.869	372.012	97.800	0.0004	-0.0004	-0.0002	0	----
SG02	665.904	372.442	91.795	0	-0.0003	0	0	----
SG03	635.571	371.238	100.923	0.0003	0.0004	0.0003	0	----
SG04	644.345	373.367	102.412	-0.0001	0.0002	0.0001	0	----
SM01	642.833	368.807	102.570	0	-0.0003	0.0003	0	----
SM02	645.973	369.971	98.729	0.0005	-0.0005	-0.0001	0	----
SM04	653.931	384.396	97.045	-0.0002	0.0003	0	0	----
SM05	633.346	370.011	103.478	0.0003	0.0002	-0.0004	0	----
SM06	631.822	373.965	104.799	0.0001	-0.0005	-0.0004	0	----
SM07	642.453	378.318	103.922	0.0004	0.0001	-0.0004	0	----
SM08	634.743	375.408	103.282	-0.0002	-0.0002	-0.0002	0	----
SM09	634.880	381.365	103.240	0	-0.0002	0.0002	0	----
SM10	645.196	385.771	99.720	-0.0004	-0.0002	0.0004	0	----
SM96	634.198	382.262	102.392	0.0001	-0.0002	0.0005	0	----
SM99	633.709	373.146	102.242	0.0005	0.0004	-0.0004	0	----
Cibles photo								
JN0101	649.196	383.400	100.064	-0.0004	-0.0004	0.0005	3	----
JN0102	647.597	385.472	98.004	-0.0003	0.0001	-0.0001	3	----
JN0103	645.517	385.821	99.159	-0.0001	0.0004	0.0003	3	----
JN0104	645.075	383.301	100.769	0.0003	-0.0001	0.0003	3	----
JN0105	643.844	384.506	98.278	0.0001	-0.0002	0	3	----
JN0106	641.563	383.820	100.527	-0.0002	0.0001	-0.0005	3	----
JN0107	639.765	384.606	98.475	-0.0005	-0.0001	0.0002	3	----
JN0108	636.366	384.663	100.466	-0.0004	0.0004	-0.0005	0	----
JN0109	635.415	383.960	98.437	-0.0002	0.0002	0.0003	3	----
JN0110	635.484	382.523	100.220	-0.0004	-0.0005	0.0001	3	----
JN0111	636.766	381.052	99.120	-0.0003	-0.0004	-0.0005	0	----
0 JN0112 630.147 374.923 100.543 0.0000 0.0000 0.0000								
JN0114	646.761	381.771	98.313	-0.0004	-0.0001	-0.0002	3	----
JN0115	638.626	383.180	100.785	-0.0001	0	0	3	----
JN0116	635.004	382.340	100.218	-0.0004	0	0.0003	3	----
JN0117	634.435	382.854	98.675	-0.0001	0.0002	0.0002	3	----
JN0118	634.789	381.759	98.488	0.0004	-0.0002	0.0003	3	----
JN0120	630.092	382.157	100.813	-0.0004	-0.0004	0.0004	6	1.80
JN0121	629.327	381.278	100.167	0.0003	0.0001	0.0001	9	1.70
JN0206	639.280	385.252	103.119	0.0004	-0.0003	-0.0004	3	----
JN0301	648.965	380.366	98.460	0.0001	0.0001	0.0001	9	1.21
JN0302	646.765	380.291	98.705	0.0003	-0.0002	0.0003	9	1.27
JN0303	644.019	379.929	98.925	0.0001	-0.0002	0.0002	7	0.70
JN0304	639.497	379.973	99.043	0.0004	-0.0002	0.0002	9	3.65
JN0305	634.848	380.018	99.651	-0.0004	-0.0004	-0.0002	6	1.17
JN0306	630.867	380.561	99.532	0.0002	0.0003	-0.0001	6	2.64

JN0307	628.224	380.476	99.943	-0.0002	0.0004	-0.0004	6	6.28
JN0308	623.719	380.366	100.377	0.0001	0.0001	0.0003	6	2.85
JN0309	617.701	380.230	101.084	0.0003	0.0002	-0.0001	6	1.44
JN0310	647.936	380.339	103.142	0.0002	0	-0.0003	3	----

0 JN0310b 647.933 380.335 103.148 0.0060 0.0190 0.0240

JN0311	641.201	379.929	103.349	0	-0.0003	-0.0004	3	----
JN0312	640.129	379.930	104.000	0.0005	0.0002	0.0002	3	----
JN0312I	640.101	379.934	103.939	-0.0002	0.0002	0	3	----
JN0313	638.319	379.984	103.448	-0.0004	-0.0002	0.0004	3	----
JN0314	630.440	380.541	102.007	-0.0004	0.0004	-0.0003	3	----
JN0320	647.451	380.375	98.198	0.0003	-0.0001	-0.0003	6	0.34
JN0321	642.988	379.935	98.805	0.0003	0.0002	-0.0005	3	----
JN0322	636.723	379.997	99.177	0	0	0.0005	6	0.67
JN0401	649.433	380.462	97.074	0.0004	0.0002	-0.0001	6	0.37
JN0402	650.941	382.978	96.811	0	0.0005	0.0001	6	0.61
JN0403	650.390	381.934	102.578	0.0001	0.0001	0.0002	6	0.61
JN0404	649.837	380.955	104.355	0.0005	0	0.0002	6	0.61
JN0405	649.561	386.391	99.448	-0.0004	-0.0005	-0.0003	12	0.46
JN0406	645.735	386.965	100.276	0.0001	-0.0001	-0.0004	9	1.61
JN0407	641.644	387.236	100.937	-0.0002	-0.0001	0.0004	9	0.30
JN0408	648.975	386.507	104.626	-0.0001	-0.0001	-0.0002	15	0.56
JN0409	641.396	388.273	105.717	0.0002	0	-0.0003	9	0.47
JN0410	641.667	390.575	105.673	0.0001	0.0001	0.0004	12	0.50
JN0411	641.782	393.769	100.974	0.0003	0.0004	0.0005	9	0.29
JN0412	641.586	391.033	100.945	-0.0002	0	-0.0001	12	0.48
JN0420	643.204	395.204	100.906	-0.0001	-0.0003	0.0002	9	0.31
JN0421	643.477	397.583	100.946	0.0005	0.0004	0.0001	9	0.21
JN0422	643.251	397.806	100.887	0.0004	-0.0002	-0.0003	9	1.32
JN0423	641.353	398.910	101.320	-0.0003	-0.0002	-0.0004	9	0.23
JN0424	640.874	398.657	101.505	-0.0002	0.0001	0	6	0.27
JN0425	639.687	398.772	103.033	-0.0005	0.0004	0.0001	6	0.23
JN0426	638.177	399.165	101.696	-0.0004	-0.0003	-0.0001	6	0.26
JN0427	642.531	398.392	104.222	0.0003	-0.0005	-0.0001	9	0.45
JN0428	643.433	396.275	104.482	0.0003	0	-0.0002	9	0.16
JN1101	640.945	380.582	103.633	0.0005	-0.0002	0	3	----
JN1102	643.582	380.121	106.151	0.0004	0.0001	0.0003	3	----
JN1103	646.121	381.589	103.098	0.0002	-0.0003	0.0002	6	0.70
JN1104	648.718	380.828	104.427	0.0004	0	0.0004	6	0.42
JN1105	648.250	385.180	102.907	-0.0004	0.0004	-0.0001	6	0.25
JN1106	644.804	385.216	104.212	-0.0004	-0.0002	-0.0003	3	----
JN1107	639.909	381.917	106.512	0.0004	-0.0004	0.0002	3	----
JN1108	649.695	382.767	104.263	-0.0001	-0.0005	0.0005	9	1.39
JN1109	640.442	385.739	103.464	-0.0003	-0.0001	0.0001	3	----
JN1301	638.430	382.119	104.013	0.0003	-0.0001	0.0004	3	----
JN1302	631.894	383.316	102.826	0.0002	0.0003	-0.0001	3	----
JN1303	631.768	382.317	104.719	0.0004	0.0002	-0.0002	6	2.11
JN1304	633.995	383.474	104.100	0.0003	0.0005	0	3	----
JN1305	637.689	383.301	102.633	-0.0004	-0.0002	-0.0003	3	----
JN1306	631.856	382.308	102.704	-0.0001	0	-0.0001	3	----
JN1307	640.461	383.233	104.432	-0.0001	0.0002	-0.0004	3	----
JN1308	640.586	382.074	102.807	-0.0002	-0.0001	-0.0004	3	----
JN1401	634.741	383.710	102.870	0.0001	0.0005	0.0001	0	----
JN1402	634.738	384.743	104.357	0.0001	0.0002	0.0003	0	----
JN1403	633.546	384.773	102.950	-0.0004	0	0.0004	0	----
JN1404	632.256	384.573	104.195	-0.0003	0.0004	0.0004	0	----
JN1405	632.573	383.852	103.014	-0.0004	0.0004	0.0004	0	----
JN1406	633.506	384.003	104.362	0.0004	-0.0001	-0.0001	0	----
JN1501	639.379	388.455	105.589	-0.0002	0.0001	0.0003	12	0.62
JN1502	639.645	391.651	105.658	0.0001	0.0001	0.0005	12	0.49
JN1503	639.788	393.720	103.674	0.0004	0	0	6	0.35
JN1504	639.416	390.095	103.316	0.0001	-0.0003	0.0004	6	0.41
JN1505	639.176	386.726	103.546	0	-0.0003	0.0004	3	----

JN1506	637.496	385.065	104.263	0.0004	-0.0003	0.0001	12	0.42
JN1507	636.943	386.968	103.374	0.0002	0.0003	0.0005	3	----
JN1508	637.521	390.985	103.736	0	0.0003	0.0001	6	0.28
JN1509	637.986	394.412	103.231	-0.0003	-0.0002	0.0001	3	----
JN1510	638.452	396.539	104.511	0.0004	0.0005	0.0001	15	0.46
JN1511	639.196	384.994	104.479	-0.0002	-0.0003	0.0002	9	0.27
JN1514	638.340	385.182	102.767	0.0004	0.0001	0.0003	0	----
JN1601	640.517	397.091	103.279	0	0.0004	0	3	----
JN1602	641.739	398.335	104.259	0.0002	0.0002	-0.0003	9	0.44
JN1603	642.302	397.000	103.328	-0.0005	-0.0004	-0.0003	9	0.35
JN1604	641.876	395.616	105.155	-0.0002	0.0001	0.0003	9	0.23
JN1605	640.211	394.257	103.730	-0.0004	-0.0004	0.0004	6	0.74
JN1606	639.407	396.071	105.413	-0.0002	-0.0002	0	9	0.41
JN1609	639.407	396.070	105.413	-0.0002	0.0004	0	3	----
JN1701	637.132	393.457	103.430	0.0004	0.0004	0.0004	12	0.35
JN1702	636.327	388.138	103.417	-0.0005	-0.0004	0.0003	15	0.38
JN1801	636.599	397.177	105.731	0.0002	0.0004	0.0002	15	0.33
JN1802	631.681	398.623	105.706	-0.0002	0.0003	0.0004	15	0.46
JN1803	634.326	397.790	103.744	-0.0001	-0.0001	0.0002	18	0.31
JN1804	630.596	397.220	103.222	0	-0.0002	0.0005	9	0.33
JN1901	631.880	385.224	103.311	0.0004	0	-0.0002	15	0.35
JN1902	635.475	385.102	103.526	0.0002	0	0.0003	9	0.23
JN1903	633.762	385.172	106.116	-0.0002	-0.0004	0.0003	15	0.45
JN2001	630.273	395.139	103.597	-0.0003	0.0002	0.0002	9	0.46
JN2002	630.137	393.548	102.946	-0.0002	-0.0001	-0.0001	9	0.36
JN2003	629.443	393.749	103.699	-0.0003	-0.0004	-0.0004	3	----
JN2004	629.648	395.296	102.633	-0.0002	0.0004	0.0001	3	----
JN2005	629.228	391.916	102.584	0.0004	0	-0.0003	3	----
JN2006	629.126	390.868	102.999	0.0002	0	-0.0005	6	0.59
JN2007	629.850	390.876	102.721	-0.0003	0.0003	0.0004	12	0.25
JN2008	629.951	391.869	103.122	-0.0004	-0.0005	-0.0005	12	0.25
JN2009	629.720	389.666	102.776	-0.0002	-0.0001	0.0004	12	0.38
JN2010	629.241	385.398	102.936	-0.0005	0	-0.0004	12	0.42
JN2011	628.382	385.282	102.655	0.0003	-0.0001	-0.0002	12	1.63
JN2012	627.349	387.043	102.634	0.0003	0.0002	0.0005	3	----
JN2013	628.955	389.588	102.611	0.0002	0.0003	-0.0001	9	0.53
JN2101	624.726	397.923	102.756	-0.0001	0.0003	-0.0004	6	0.13
JN2102	625.985	400.045	104.940	0.0001	-0.0003	0	9	0.36
JN2103	629.865	399.148	105.530	0.0001	0	0.0003	9	0.62
JN2104	627.906	399.710	103.179	0	0.0002	0.0003	9	0.56
JN2105	629.853	397.010	102.848	0.0002	-0.0004	0.0001	3	----
JS0101	630.495	374.184	100.167	-0.0002	-0.0004	0.0001	3	----
JS0102	647.615	371.240	97.853	0	0.0001	0.0003	6	0.54
JS0103	648.458	371.703	99.790	-0.0004	-0.0001	-0.0005	6	0.26
JS0104	645.840	374.772	97.945	0.0001	-0.0005	-0.0003	3	----
JS0105	644.560	371.351	99.351	-0.0001	-0.0001	-0.0003	0	----
JS0106	644.449	373.644	100.538	0.0005	0	-0.0005	3	----
JS0107	641.824	374.820	98.166	-0.0003	0.0002	0.0002	3	----
JS0108	640.476	373.632	100.625	-0.0001	0	-0.0003	3	----
JS0109	639.075	374.858	99.551	-0.0002	0	0.0003	3	----
JS0111	641.847	369.562	98.308	0.0002	0.0002	-0.0002	0	----
JS0112	630.159	374.929	100.616	-0.0001	0	-0.0002	6	0.98
JS0113	649.695	373.932	99.162	-0.0005	-0.0002	0.0003	9	1.68
JS0115	633.765	372.845	98.647	0.0005	-0.0002	0.0003	3	----
JS0116	638.391	372.711	99.939	0.0003	-0.0003	0.0001	3	----
JS0201	639.766	371.109	99.320	-0.0001	0.0004	0.0002	6	0.85
JS0202	637.916	371.100	100.621	-0.0003	0.0004	0	3	----
JS0203	635.696	371.072	101.209	0.0004	-0.0004	0.0003	0	----
JS0204	635.197	370.782	103.612	-0.0001	0	-0.0002	3	----
JS0205	633.893	370.011	102.515	0.0003	-0.0005	0.0004	3	----
JS0206	633.120	370.710	103.844	-0.0001	0.0004	-0.0004	0	----
JS0207	634.374	371.509	102.223	0.0004	0.0001	0.0003	0	----

JS0208	634.742	371.782	101.456	-0.0003	-0.0003	0.0004	0	----
JS0209	635.719	372.122	103.257	0.0002	0.0004	-0.0001	0	----
JS0210	634.604	372.922	103.804	0.0002	0.0002	0.0003	3	----
JS0212	635.488	373.174	104.053	-0.0001	-0.0002	0.0005	3	----
JS0213	637.353	372.115	99.732	0.0005	-0.0003	-0.0001	0	----
JS0214	640.134	372.156	99.886	0.0001	0.0004	-0.0004	0	----
JS0215	639.776	372.147	98.337	-0.0003	0.0002	-0.0005	0	----
JS0216	634.606	372.922	103.803	-0.0002	0	0.0003	0	----
JS0301	648.931	376.050	97.363	-0.0001	-0.0004	-0.0003	9	0.76
JS0302	646.965	376.076	98.589	0.0003	0.0001	0.0002	15	1.85
JS0303	644.057	376.605	98.510	-0.0003	-0.0004	-0.0003	9	0.89
JS0304	639.475	376.681	98.884	0.0001	-0.0004	0	9	1.14
JS0305	635.190	376.745	99.316	0.0004	0.0003	0.0005	6	0.42
JS0306	631.633	376.534	99.620	-0.0003	0	0.0001	6	1.36
JS0307	628.315	376.495	99.734	0.0003	0.0002	-0.0003	9	2.26
JS0308	623.184	376.547	100.582	0.0002	-0.0003	0.0004	12	3.81
JS0309	617.488	376.596	101.094	0.0003	0.0003	-0.0002	9	4.34
JS0310	647.743	376.077	103.009	-0.0003	0.0004	-0.0003	3	----
JS0311	641.252	376.650	103.825	-0.0004	0	0.0003	6	1.40
JS0312	639.822	376.654	103.488	0.0003	-0.0003	-0.0002	6	1.60
JS0313	636.912	376.719	103.901	-0.0003	0.0002	-0.0005	11	1.33
JS0314	630.774	376.495	102.030	-0.0003	-0.0001	0.0005	12	1.68
JS0320	647.271	376.075	98.366	0.0004	-0.0001	-0.0002	12	0.53
JS0321	643.005	376.625	98.752	-0.0004	0.0004	-0.0003	6	0.34
JS0322	636.767	376.716	99.208	0.0004	-0.0004	-0.0003	6	1.89
JS0401	649.005	376.022	99.404	-0.0003	-0.0001	-0.0001	9	0.74
JS0402	650.680	373.113	97.939	-0.0005	0.0001	-0.0001	12	0.51
JS0403	650.216	374.112	103.010	0.0004	-0.0004	-0.0001	12	0.71
JS0409	634.640	367.060	106.462	0.0003	0.0002	-0.0003	0	----
JS0501	650.766	372.948	99.473	-0.0002	-0.0002	-0.0003	6	0.29
JS0502	649.145	369.993	97.718	-0.0003	0.0004	0.0002	6	0.44
JS0503	648.572	369.889	99.850	0.0003	-0.0002	-0.0001	9	0.59
JS0504	643.890	369.806	99.357	0.0002	-0.0001	-0.0003	5	0.92
JS0505	641.329	367.337	100.006	-0.0001	-0.0001	0.0002	6	0.81
JS0506	649.958	371.331	103.577	0.0004	-0.0004	0.0001	3	----
JS0507	647.643	369.825	102.469	-0.0003	-0.0003	0.0004	9	0.51
JS0508	642.932	368.837	103.126	0.0004	-0.0004	0	6	0.54
JS0509	650.649	372.367	106.774	0.0003	0.0004	0.0004	3	----
JS0510	641.768	367.704	106.506	-0.0003	0.0001	0	3	----
JS0601	641.198	367.357	98.653	-0.0001	-0.0001	-0.0005	3	----
JS0602	637.948	368.063	99.849	-0.0004	0	-0.0002	6	0.94
JS0603	634.103	366.155	99.941	0	-0.0003	-0.0004	5	0.25
JS0604	630.963	364.273	99.750	-0.0003	0.0001	0.0004	6	0.76
JS0605	628.307	361.554	99.180	0.0003	0	0.0001	6	0.98
JS0606	625.214	357.879	99.432	0.0003	-0.0003	-0.0003	9	0.54
JS0607	622.772	353.735	100.005	0.0004	0	0.0002	9	1.30
JS0608	639.820	368.750	103.088	0.0004	0	-0.0005	3	----
JS0609	637.712	368.228	106.541	-0.0002	-0.0001	0.0003	6	0.68
JS0610	632.908	365.608	104.116	0.0005	-0.0005	0.0002	6	0.35
JS0611	625.432	358.464	103.806	0.0002	-0.0002	0.0002	8	0.77
JS1101	642.711	374.436	104.429	0	-0.0003	0.0001	0	----
JS1102	644.306	374.709	102.523	-0.0003	0.0003	0.0003	3	----
JS1103	644.396	373.938	105.118	0.0004	0.0001	0.0003	0	----
JS1104	646.122	374.726	105.455	0.0001	0	-0.0004	3	----
JS1105	648.060	374.728	102.408	-0.0005	0.0004	0.0001	0	----
JS1106	649.216	372.895	105.427	0	-0.0002	-0.0002	9	2.25
JS1107	648.285	371.220	102.562	-0.0003	-0.0005	0.0004	0	----
JS1108	645.585	371.538	105.615	0.0003	-0.0002	0.0004	0	----
JS1110	641.853	368.906	103.507	-0.0002	0.0003	0.0001	5	3.09

0 JS1114 641.800 368.565 103.494 0.0110 0.0330 0.0420

0 JS1115 641.800 368.565 103.494 0.0110 0.0330 0.0420

JS1116	636.975	369.856	104.442	0.0001	-0.0003	-0.0003	0	----

JS1117	636.829	371.222	102.411	0.0004	0	-0.0003	0	----
JS1201	631.814	374.103	103.649	0.0002	0	0.0002	6	0.90
JS1202	634.609	374.599	103.679	0	0.0001	0.0005	3	----
JS1206	640.023	374.481	102.404	0.0001	-0.0002	-0.0003	3	----
JS1301	634.186	372.333	103.701	0.0002	0.0003	-0.0001	0	----
JS1310	633.251	371.855	104.122	-0.0002	-0.0004	0.0003	0	----
JS1302	633.361	371.513	102.740	0.0003	-0.0001	-0.0002	0	----
JS1304	632.371	372.877	102.807	-0.0004	-0.0005	-0.0002	0	----
JS1305	633.395	372.835	104.037	-0.0001	-0.0005	-0.0001	0	----
JS0211	635.619	372.995	102.255	-0.0003	0.0001	-0.0003	0	----
JS1211	632.423	373.455	104.602	-0.0004	0	-0.0003	0	----
JS1209	635.949	373.394	104.192	0.0001	0.0001	-0.0003	0	----
JS1303	632.186	371.876	103.840	0.0004	-0.0002	-0.0003	0	----
JS1400	642.772	375.065	104.188	-0.0002	0.0002	-0.0002	0	----
JS1401	642.935	375.969	103.973	0.0001	0.0003	0.0003	0	----
JS1403	639.449	376.037	104.529	0.0003	-0.0002	0.0004	0	----
0 JS1404 649.705 378.426 92.337 0.0020 0.0020 0.0070								
JS1405	635.440	376.107	105.149	0.0001	-0.0002	-0.0005	0	----
JS1406	634.687	375.213	105.016	-0.0003	-0.0001	0.0004	6	4.49
JS1407	637.740	375.144	102.896	0.0003	-0.0004	0.0003	2	----
JS1408	640.498	375.104	104.327	0.0002	0.0001	0.0001	0	----
JS1502	634.568	376.621	105.081	-0.0002	-0.0005	-0.0004	6	2.44
JS1503	634.615	378.421	104.942	-0.0003	0.0004	0	11	4.06
JS1504	634.647	379.402	103.397	-0.0004	-0.0001	0.0004	6	4.09
JS1505	634.734	381.449	104.995	0	0.0002	-0.0002	9	4.38
JS1506	635.577	380.602	103.663	0.0004	0	0	3	----
JS1507	635.515	378.810	105.074	0.0001	-0.0001	0	3	----
JS1601	634.796	381.530	103.329	0.0002	0	-0.0003	3	----
JS1602	637.806	381.493	104.232	0.0004	0.0004	0.0002	6	0.97
JS1603	639.578	381.485	103.101	0.0001	-0.0002	0	6	0.72
JS1604	640.141	381.213	104.636	0.0004	0.0004	0.0001	6	1.19
JS1605	639.793	380.585	103.044	-0.0002	-0.0002	0.0002	6	2.59
JS1606	637.739	380.629	104.568	-0.0004	-0.0003	0.0003	6	4.55
JS1607	636.863	380.638	102.967	-0.0005	-0.0001	0.0003	6	1.42
JS1702	644.272	378.637	104.659	0	0.0002	0.0001	0	----
JS1704	644.214	375.594	103.985	-0.0003	0.0003	0	2	----
JS1705	642.781	375.017	102.357	-0.0004	0	0.0003	3	----
JV0101	645.497	376.605	101.270	-0.0002	0.0001	0.0005	3	----
JV0102	645.571	379.954	97.795	0.0002	-0.0002	0.0003	6	0.99
JV0103	645.702	379.848	104.668	0.0004	0	0	6	0.87
JV0104	645.712	379.405	106.587	-0.0002	0.0001	0.0004	9	1.32
JV0105	645.664	378.918	106.804	0.0002	0.0003	0.0002	6	0.75
JV0106	645.598	377.955	103.097	0.0002	0.0001	0.0004	3	----
JV0201	642.141	378.727	103.639	-0.0001	0.0004	-0.0002	12	1.40
JV0202	642.149	379.718	100.898	0	-0.0004	0.0001	9	0.31
JV0203	642.099	376.788	100.766	-0.0003	0	0.0004	3	----
JV0301	636.098	377.934	103.752	-0.0001	-0.0004	-0.0003	14	2.03
JV0302	636.140	379.575	102.020	-0.0003	0.0004	-0.0004	9	0.56
JV0303	636.075	376.865	101.485	0.0003	0.0004	0.0005	9	0.84
JV0304	636.144	378.206	106.417	0.0004	0.0004	0.0002	5	0.77
JV0401	633.879	376.734	98.781	-0.0003	-0.0001	0	6	1.27
JV0402	633.946	380.075	98.715	0.0001	-0.0001	-0.0005	6	1.37
JV0403	631.682	380.347	101.053	-0.0004	0.0002	0.0003	6	1.52
JV0404	631.655	380.522	104.689	-0.0002	-0.0001	-0.0001	18	0.57
JV0405	631.612	376.760	104.408	0.0002	0	-0.0002	15	0.90
JV0406	631.556	371.816	102.405	0.0004	0.0002	0.0005	3	----
JV0407	631.687	371.908	106.448	-0.0005	0.0004	-0.0005	9	0.16
JV0408	631.654	385.148	102.742	0.0002	-0.0001	0.0003	9	0.60
JV0409	634.640	367.061	106.462	0	-0.0004	-0.0001	18	0.86
JV0410	631.662	385.070	106.014	-0.0001	0.0001	0.0003	11	0.51
JV0411	631.604	377.893	106.691	0.0001	-0.0003	0	24	2.00
NAT1	631.644	370.769	98.469	0	-0.0005	0	0	----

NAT2	632.360	370.498	98.118	-0.0002	0	-0.0002	0	----
NAT3	655.995	382.587	94.090	0.0001	0.0001	-0.0004	0	----
Stations Laser								
L001	623.938	346.102	96.595	0.0002	-0.0001	-0.0002	0	----
L002	630.404	357.152	98.047	-0.0003	0.0001	-0.0001	0	----
L003	639.509	363.186	98.126	-0.0005	-0.0001	0.0001	0	----
L004	632.939	362.863	100.545	-0.0001	-0.0003	0.0005	0	----
L005	645.505	367.199	98.798	0.0003	-0.0004	0.0002	0	----
L006	651.061	363.790	96.121	-0.0003	-0.0004	0.0004	0	----
L007	652.763	369.328	98.709	0.0004	-0.0002	-0.0004	0	----
L008	655.484	374.823	98.524	0.0004	-0.0002	0	0	----
L009	653.775	378.415	98.116	-0.0001	0	0.0004	0	----
L010	649.851	378.551	98.490	-0.0002	0	0.0004	0	----
L011	647.695	378.186	98.804	0	0.0001	0.0001	0	----
L012	625.040	361.878	104.566	0	-0.0001	-0.0003	0	----
L013	618.531	366.084	105.030	0.0003	-0.0003	-0.0002	0	----
L014	621.101	375.041	103.408	0	-0.0002	-0.0001	0	----
L015	642.147	378.370	99.383	-0.0002	-0.0005	0	0	----
L016	636.194	378.425	100.024	0.0001	-0.0003	0.0001	0	----
L017	629.581	372.345	103.831	-0.0003	-0.0003	0.0001	0	----
L018	632.247	369.512	103.780	0.0003	0	0.0002	0	----
L019	633.249	378.524	100.167	-0.0002	0.0005	0.0001	0	----
L020	646.968	373.057	99.168	0.0004	0.0002	-0.0005	0	----
L021	643.072	372.269	99.265	0.0001	0.0001	-0.0002	0	----
L022	636.772	374.112	99.442	0.0004	0.0001	-0.0003	0	----
L023	631.466	374.270	100.175	0	-0.0003	0.0002	0	----
L024	652.353	358.150	93.741	0	-0.0003	0.0001	0	----
L025	631.680	345.507	94.016	-0.0001	0.0005	0.0003	0	----
L026	627.223	378.545	100.832	-0.0005	0.0004	-0.0002	0	----
L027	653.061	385.222	100.840	0.0004	-0.0005	0.0001	0	----
L028	648.656	387.952	100.936	0.0001	0.0002	-0.0001	0	----
L029	656.746	393.190	100.309	-0.0003	0.0003	0.0001	0	----
L030	647.102	396.581	101.480	0.0003	0.0004	-0.0001	0	----
L031	645.274	402.800	102.040	0	0	0.0001	0	----
L032	639.111	403.302	102.256	0.0002	0.0003	0.0004	0	----
L033	635.868	403.244	101.820	-0.0002	-0.0003	-0.0004	0	----
L034	626.992	403.122	100.628	0.0002	-0.0002	-0.0002	0	----
L035	622.090	404.356	100.746	-0.0005	-0.0003	-0.0002	0	----
L036	647.730	374.103	98.992	0	0.0003	-0.0005	0	----
L037	641.827	370.723	99.235	0.0004	-0.0003	0	0	----
L038	640.963	371.861	99.296	-0.0003	0.0004	-0.0002	0	----
L039	638.870	371.655	99.679	-0.0005	0.0001	-0.0005	0	----
L040	637.959	371.667	100.325	-0.0003	-0.0004	-0.0001	0	----
L041	637.292	371.559	100.914	0.0005	-0.0002	-0.0005	0	----
L042	636.364	371.599	101.713	0.0003	-0.0003	0.0003	0	----
L043	635.434	371.738	102.421	0.0001	-0.0002	-0.0004	0	----
L044	635.041	373.947	103.348	0.0001	0.0003	-0.0001	0	----
L045	633.791	370.605	103.646	-0.0004	0.0001	0.0001	0	----
L046	638.962	373.876	103.327	-0.0005	0.0002	-0.0003	0	----
L047	643.501	373.026	103.763	-0.0001	0.0003	-0.0004	0	----
L048	641.750	371.751	103.783	0.0002	0	0.0001	0	----
L049	641.262	369.494	103.549	0	-0.0001	-0.0001	0	----
L050	637.988	370.921	103.584	0.0004	0.0004	-0.0003	0	----
L051	647.346	371.424	103.714	0.0002	-0.0003	0.0001	0	----
L052	647.929	373.318	103.786	0	-0.0002	0.0004	0	----
L053	632.344	371.211	98.845	0.0002	0	-0.0004	0	----
L054	643.836	375.250	103.494	0	0.0002	0.0003	0	----
L055	643.666	378.235	103.859	0	-0.0001	-0.0002	0	----
L056	640.693	375.532	103.630	-0.0001	-0.0004	0.0001	0	----
L057	637.546	375.557	103.757	0.0002	-0.0004	0.0004	0	----
L058	634.838	375.697	104.523	0.0002	0.0002	-0.0005	0	----
L059	635.024	378.419	104.443	0.0004	0.0001	-0.0003	0	----

L060	635.116	381.028	104.455	0.0003	-0.0001	-0.0004	0	----
L061	637.856	381.151	103.608	0	0.0003	0.0004	0	----
L062	647.770	383.504	99.231	0.0002	-0.0001	-0.0001	0	----
L063	646.007	385.044	99.292	-0.0003	-0.0001	0.0004	0	----
L064	642.926	383.194	99.293	-0.0003	-0.0005	0	0	----
L065	639.718	383.476	99.395	0	0.0004	0.0003	0	----
L066	636.727	383.182	99.530	0.0002	-0.0005	-0.0005	0	----
L067	633.933	382.122	99.755	0.0001	0.0003	-0.0004	0	----
L068	630.212	381.558	100.238	-0.0003	-0.0003	-0.0002	0	----
L069	648.457	382.775	103.687	0.0003	-0.0001	0.0001	0	----
L070	647.240	383.991	103.896	-0.0004	0	-0.0003	0	----
L071	642.097	381.273	103.812	0.0003	-0.0005	0.0002	0	----
L072	642.766	384.643	103.879	0.0001	-0.0001	-0.0001	0	----
L073	638.639	382.560	103.668	-0.0005	0.0003	-0.0002	0	----
L074	638.538	390.238	104.340	0.0001	-0.0005	0.0004	0	----
L075	644.161	385.431	99.431	-0.0004	0.0005	-0.0002	0	----
L076	643.106	385.454	100.182	-0.0004	-0.0005	0.0001	0	----
L077	642.041	385.559	100.898	0.0005	-0.0004	0.0002	0	----
L078	641.044	385.632	101.645	0.0003	-0.0001	-0.0005	0	----
L079	640.052	385.614	102.396	0.0004	0.0001	-0.0004	0	----
L080	639.474	385.757	102.909	0	-0.0004	-0.0004	0	----
L081	637.339	385.826	103.704	0	0.0004	-0.0004	0	----
L082	638.685	384.638	103.543	-0.0005	-0.0004	-0.0004	0	----
L083	643.698	378.272	108.726	-0.0003	-0.0005	0.0001	0	----
L084	636.419	375.065	108.511	0.0001	-0.0005	-0.0001	0	----
L085	635.403	378.684	108.329	0.0005	0.0002	0.0005	0	----
L086	638.174	381.290	108.340	-0.0003	0.0001	-0.0002	0	----
L087	641.267	395.625	103.954	0.0002	0	-0.0004	0	----
L088	641.595	397.444	104.559	-0.0003	-0.0002	-0.0002	0	----
L089	639.129	394.091	104.528	-0.0001	0.0005	0.0002	0	----
L090	634.158	388.053	104.204	0	-0.0001	-0.0005	0	----
L091	634.652	396.468	103.955	0.0001	0.0002	-0.0001	0	----
L092	626.192	399.415	103.913	0.0004	-0.0004	0.0005	0	----
L093	625.186	391.584	103.599	-0.0001	-0.0001	-0.0005	0	----
L094	619.547	383.785	103.180	-0.0003	0	0	0	----
L095	633.029	384.275	103.314	-0.0005	0.0004	-0.0001	0	----
L096	634.301	384.350	104.043	0.0005	0	-0.0001	0	----
L097	636.469	382.509	103.793	-0.0005	0	0	0	----
L098	633.597	382.570	103.791	0.0001	-0.0002	0.0001	0	----
L099	633.577	372.276	103.437	-0.0001	0.0002	-0.0005	0	----
L100	634.298	374.132	103.481	-0.0001	0.0004	-0.0003	0	----
L103	644.873	371.463	103.684	0.0002	0.0004	0.0001	0	----
L104	641.131	372.040	103.718	-0.0002	0.0005	-0.0003	0	----
L105	633.463	372.104	102.851	-0.0001	-0.0004	-0.0002	0	----
L107	665.686	394.712	95.840	-0.0004	-0.0003	-0.0005	0	----
L108	673.365	379.416	92.794	0.0004	0.0003	-0.0005	0	----
L109	658.595	383.953	93.161	0	-0.0001	-0.0003	0	----
L110	640.756	369.443	99.239	0.0004	0.0002	0.0003	0	----
L111	605.478	386.247	98.398	0.0005	0.0004	-0.0002	0	----
L112	609.152	381.559	101.531	0.0004	-0.0004	0.0003	0	----
MR0101	622.922	374.717	102.623	0	0.0003	-0.0001	6	0.49
MR0102	620.564	373.522	101.981	0.0004	0.0004	0.0001	6	0.40
MR0103	618.634	372.566	102.727	-0.0003	-0.0001	0.0002	3	----
MR0104	620.405	372.682	102.141	0.0001	-0.0001	0.0004	9	0.72
MR0105	622.462	373.730	102.758	0.0002	-0.0002	-0.0001	6	0.45
MR0201	623.974	373.049	103.253	-0.0003	-0.0002	0.0003	3	----
MR0202	623.327	374.333	102.255	-0.0003	-0.0001	0.0002	3	----
MR0203	624.705	371.979	102.394	0.0004	0.0004	-0.0002	6	0.40
MR0204	624.344	371.399	102.317	0.0002	-0.0001	-0.0001	6	0.83
MR0205	626.002	370.285	102.336	-0.0005	0.0005	0.0002	6	0.25
MR0206	627.950	365.526	102.041	0.0004	-0.0002	-0.0004	6	0.61
MR0301	625.500	370.034	102.514	0.0002	-0.0003	-0.0003	3	----

MR0303	623.656	367.507	101.898	0.0001	0.0002	0.0004	6	1.50
MR0304	625.511	369.066	101.363	0	0.0004	-0.0002	3	----
MR0403	619.762	371.392	102.586	0	-0.0003	0.0001	6	0.51
MR0501	631.862	367.434	103.929	0.0004	-0.0001	0.0002	6	0.99
MR0502	629.786	365.798	103.458	-0.0005	0.0005	0.0003	9	1.15
MR0503	627.011	363.238	103.166	0.0001	-0.0004	0	15	1.14
MR0504	633.389	368.932	103.408	0.0001	-0.0002	-0.0005	6	0.47
MR0505	630.650	366.804	102.870	0.0001	0	0	3	----
MR0506	627.961	364.310	101.957	0.0001	0.0001	0.0001	6	0.36
MR0507	624.197	360.110	103.205	0.0005	0.0003	0.0001	9	0.41
MR0601	627.386	369.102	102.066	0.0004	-0.0004	-0.0002	6	0.49
MR0701	628.518	368.987	102.305	-0.0003	-0.0002	-0.0003	3	----
MR0701b	628.750	369.307	102.479	0.0002	0.0004	-0.0003	3	----
MR0702	628.518	368.987	102.304	0.0004	-0.0001	0.0004	3	----
MR0801	630.105	369.653	102.604	-0.0002	-0.0002	-0.0001	6	0.62
MR0901	631.003	368.292	102.736	-0.0004	0.0004	0.0004	6	0.40
PST01	603.869	388.654	96.838	-0.0004	0.0004	-0.0001	6	0.38
Station libres topo								
S01	641.225	405.564	102.340	-0.0001	0.0004	0.0004	32	0.81
S02	644.054	403.153	102.122	-0.0004	0.0005	-0.0003	36	1.02
S03	649.312	397.358	101.217	0	0.0003	0.0004	57	0.89
S04	652.295	389.739	100.767	0.0004	-0.0004	0.0003	54	0.78
S05	656.498	379.129	99.352	0	-0.0001	0.0004	63	0.94
S06	654.791	386.366	100.560	0.0001	0.0003	-0.0002	66	0.75
S07	645.756	378.310	98.984	0.0003	0.0003	0.0001	72	1.10
S08	626.996	392.344	103.966	0.0003	0.0005	0.0003	114	0.66
S09	634.387	393.528	104.425	0.0004	-0.0005	-0.0002	90	0.64
S10	635.206	389.082	104.576	0.0003	0.0004	0	102	0.63
S11	640.881	395.735	104.563	-0.0003	0.0001	0.0005	54	0.93
SL01IB	635.174	381.155	104.720	-0.0002	0.0003	-0.0002	36	2.57
SL01IB2	635.181	381.144	104.716	-0.0005	-0.0002	0.0004	12	1.78
SL02	637.816	380.966	103.730	0.0001	-0.0005	-0.0002	30	2.08
SL101	540.653	368.687	104.921	0.0004	0.0004	-0.0001	20	2.32
SL102	548.573	396.339	105.298	0.0004	-0.0004	0	12	1.76
SL15001	638.987	379.578	99.614	0.0005	0	0.0001	54	1.32
SL15002	638.410	377.474	99.686	-0.0004	0.0005	-0.0001	21	1.14
SL1503	644.071	373.634	103.772	0.0002	0	-0.0003	27	1.18
SL15002_1	638.409	377.474	99.686	-0.0001	-0.0003	0.0002	24	2.28
SLMR01	630.900	367.523	104.189	-0.0004	0.0005	-0.0001	42	0.73
SLMR02	624.471	365.116	103.647	-0.0004	-0.0002	-0.0001	74	0.71
SLMR03	630.791	367.764	103.910	-0.0001	-0.0003	0.0004	24	2.00
SL1703	580.530	366.689	104.457	-0.0005	0.0001	-0.0003	39	1.41
SL1704	608.648	395.888	106.055	-0.0001	-0.0005	-0.0004	62	1.16
SL1706	555.423	306.377	96.309	-0.0004	-0.0004	0.0004	24	0.77
SL1707	513.299	295.496	105.039	0	-0.0004	-0.0003	15	1.34
SL1801	620.852	362.697	104.811	-0.0002	-0.0003	0.0003	84	0.73
SL1802	628.433	375.094	103.818	0.0003	-0.0002	0.0003	66	0.77
SL1810	631.329	379.946	100.323	0.0001	0.0002	-0.0002	20	2.72
SL1811	643.762	376.920	99.216	-0.0003	0.0002	0.0004	14	2.74
SL1821	642.854	371.702	103.851	-0.0004	0.0004	-0.0004	27	1.72
SL1822	634.458	374.041	103.567	-0.0004	-0.0001	0.0003	13	2.75