

number of nominal s = 100

number measured = 100

Locations in half period			coordinate system		
xmeas	ymeas	zmeas	xnsrt	ynsrt	znsrt
25.784	44.149	-15.562	25.778	44.142	-15.558
27.282	42.451	-45.514	27.282	42.451	-45.518
29.403	42.421	-36.999	29.405	42.426	-37.005
37.881	47.486	-32.933	37.883	47.492	-32.939
42.942	46.649	-34.928	42.934	46.639	-34.926
34.610	39.730	-39.040	34.612	39.732	-39.045
42.742	47.713	-25.739	42.735	47.708	-25.737
55.981	52.605	-21.311	55.975	52.600	-21.313
56.740	52.835	-19.636	56.732	52.824	-19.638
57.390	51.364	-12.048	57.383	51.360	-12.051
56.444	50.727	-5.498	56.437	50.719	-5.499
44.977	51.900	-0.993	44.970	51.891	-0.994
66.168	33.787	-40.188	66.161	33.778	-40.189
62.564	28.472	-46.411	62.555	28.463	-46.411
79.703	38.139	-29.935	79.697	38.133	-29.936
89.304	26.531	-33.425	89.297	26.527	-33.428
88.255	29.437	-31.096	88.248	29.431	-31.097
80.574	38.307	-28.302	80.565	38.297	-28.304
83.919	34.531	-22.612	83.913	34.525	-22.613
84.533	36.981	-16.645	84.530	36.985	-16.648
88.254	36.076	-9.194	88.250	36.073	-9.197
97.392	32.157	-0.934	97.386	32.152	-0.932
67.183	22.979	-55.236	67.180	22.971	-55.235
77.456	12.707	-48.065	77.450	12.700	-48.064
88.661	0.092	-41.506	88.659	0.087	-41.508
95.213	18.815	-25.064	95.206	18.810	-25.066
102.753	-2.366	-20.106	102.749	-2.372	-20.105
102.101	-14.815	-18.712	102.096	-14.821	-18.711
83.990	-12.136	-48.197	83.990	-12.143	-48.197
55.416	19.828	-62.453	55.413	19.825	-62.455
49.105	17.429	-69.290	49.103	17.423	-69.291
45.240	17.730	-76.644	45.238	17.724	-76.648
53.743	-0.851	-69.005	53.744	-0.856	-69.006
45.872	-15.177	-77.686	45.875	-15.183	-77.689
33.059	38.543	-55.527	33.060	38.541	-55.532
44.350	33.516	-53.117	44.354	33.519	-53.122
50.734	41.631	-43.729	50.736	41.630	-43.738
57.883	35.906	-47.449	57.877	35.901	-47.448
97.249	-32.407	-0.941	97.247	-32.411	-0.937
93.081	-27.628	-32.851	93.078	-27.633	-32.848
90.767	-29.658	-33.961	90.770	-29.663	-33.958
102.100	-14.816	-18.712	102.096	-14.821	-18.711
90.767	-29.658	-33.959	90.770	-29.663	-33.958
93.080	-27.627	-32.849	93.078	-27.633	-32.848
67.633	-27.406	-49.002	67.633	-27.413	-49.002
45.872	-15.178	-77.685	45.875	-15.183	-77.689
45.329	-23.379	-67.715	45.333	-23.385	-67.720
59.454	-50.768	-12.915	59.453	-50.774	-12.910
56.613	-50.701	-5.527	56.608	-50.702	-5.527
44.973	-51.876	-0.947	44.970	-51.884	-0.943
83.112	-31.423	-31.074	83.114	-31.428	-31.072
65.321	-49.370	-22.762	65.320	-49.377	-22.757
64.543	-49.076	-24.431	64.544	-49.080	-24.429
60.221	-41.864	-34.473	60.222	-41.870	-34.467
54.760	-48.906	-16.258	54.759	-48.910	-16.254
53.755	-43.987	-25.878	53.757	-43.989	-25.873
50.981	-40.680	-36.113	50.982	-40.685	-36.109
56.880	-40.273	-46.601	56.878	-40.278	-46.599
52.695	-42.136	-45.342	52.700	-42.136	-45.342

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49.140	-36.523	-49.323	49.142	-36.525	-49.327
40.063	-34.110	-55.801	40.066	-34.113	-55.805
33.731	-37.931	-56.658	33.734	-37.935	-56.660
33.883	-38.997	-39.591	33.885	-39.005	-39.593
25.581	-42.867	-42.558	25.580	-42.870	-42.560
36.867	-40.044	-32.074	36.869	-40.048	-32.074
40.505	-43.364	-24.812	40.504	-43.374	-24.811
45.814	-53.427	-17.608	45.812	-53.432	-17.606
46.558	-53.752	-15.936	46.555	-53.762	-15.933
28.751	-46.389	-9.461	28.748	-46.400	-9.461
25.767	-42.514	-10.306	25.768	-42.521	-10.303
28.752	-44.925	-5.769	28.745	-44.938	-5.767
29.750	-50.925	-0.952	29.746	-50.936	-0.950
18.754	-36.732	-0.963	18.751	-36.742	-0.954
97.246	-32.405	-0.938	97.247	-32.411	-0.937
15.138	-37.036	-24.497	15.137	-37.033	-24.502
10.223	-25.807	-15.995	10.224	-25.803	-16.006
22.641	-29.173	-20.145	22.644	-29.171	-20.150
17.439	-22.569	-15.786	17.443	-22.568	-15.790
10.398	6.825	-12.120	10.417	6.829	-12.113
13.731	10.658	-8.190	13.724	10.650	-8.180
10.391	26.714	-16.283	10.400	26.717	-16.280
15.045	34.536	-13.778	15.056	34.541	-13.778
16.178	34.637	-12.492	16.175	34.634	-12.480
15.005	37.360	-24.254	15.010	37.362	-24.257
20.073	38.532	-23.817	20.079	38.535	-23.822
22.797	44.399	-20.274	22.802	44.405	-20.279
25.783	44.149	-15.561	25.778	44.142	-15.558
21.489	45.675	-8.778	21.484	45.670	-8.778
27.850	50.680	-11.089	27.844	50.675	-11.091
25.001	48.674	-8.097	24.995	48.668	-8.098
28.291	47.022	-22.642	28.284	47.011	-22.642
27.279	42.452	-45.512	27.282	42.451	-45.518
37.880	47.486	-32.932	37.883	47.492	-32.939
42.941	46.649	-34.927	42.934	46.639	-34.926
42.742	47.714	-25.736	42.735	47.708	-25.737
57.390	51.365	-12.046	57.383	51.360	-12.051
56.444	50.728	-5.496	56.437	50.719	-5.499
10.226	-25.807	-15.994	10.224	-25.803	-16.006
15.138	-37.036	-24.496	15.137	-37.033	-24.502
17.695	-28.862	-22.273	17.697	-28.857	-22.283

Locations in coordinate system normal to interface

xnomb	ynomb	znomb	xmeasb	ymeasb	zmeasb	del x	del y	del z	del s
29.747	44.142	4.651	29.754	44.149	4.652	0.007	0.007	0.001	0.010
50.158	42.451	-17.332	50.154	42.451	-17.329	-0.003	0.000	0.003	0.004
46.312	42.426	-9.446	46.306	42.421	-9.443	-0.005	-0.005	0.003	0.008
50.193	47.492	-0.882	50.187	47.486	-0.879	-0.006	-0.006	0.003	0.009
55.339	46.639	0.842	55.347	46.649	0.846	0.007	0.010	0.003	0.013
51.612	39.732	-7.662	51.607	39.730	-7.659	-0.006	-0.002	0.003	0.006
49.280	47.708	7.754	49.287	47.713	7.757	0.007	0.005	0.002	0.009
56.579	52.600	19.653	56.582	52.605	19.658	0.004	0.005	0.005	0.008
56.082	52.824	21.424	56.087	52.835	21.429	0.005	0.010	0.006	0.013
51.705	51.360	27.653	51.708	51.364	27.660	0.003	0.004	0.007	0.009
46.768	50.719	32.065	46.772	50.727	32.070	0.005	0.009	0.005	0.011
35.088	51.891	28.145	35.092	51.900	28.150	0.004	0.009	0.005	0.012
76.515	33.778	11.741	76.520	33.787	11.746	0.005	0.009	0.005	0.012
77.752	28.463	4.657	77.759	28.472	4.662	0.007	0.008	0.005	0.012
80.294	38.133	28.296	80.297	38.139	28.301	0.003	0.006	0.005	0.008
89.893	26.527	31.792	89.896	26.531	31.799	0.003	0.004	0.007	0.008
87.590	29.431	32.902	87.595	29.437	32.909	0.005	0.006	0.006	0.010
79.910	38.297	30.104	79.916	38.307	30.111	0.006	0.011	0.007	0.014
78.816	34.525	36.616	78.820	34.531	36.620	0.004	0.006	0.005	0.009

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75.454	36.985	41.582	75.455	36.981	41.586	0.001	-0.004	0.005	0.006
73.515	36.073	49.681	73.517	36.076	49.685	0.002	0.004	0.005	0.006
75.201	32.152	61.884	75.207	32.157	61.887	0.005	0.006	0.003	0.008
86.967	22.971	0.870	86.970	22.979	0.871	0.003	0.008	0.002	0.009
90.225	12.700	12.965	90.230	12.707	12.968	0.005	0.007	0.003	0.009
94.598	0.087	25.192	94.598	0.092	25.195	0.000	0.005	0.003	0.005
89.044	18.810	41.996	89.048	18.815	42.002	0.004	0.005	0.006	0.009
91.633	-2.372	50.644	91.637	-2.366	50.647	0.004	0.005	0.003	0.007
90.237	-14.821	51.293	90.242	-14.815	51.294	0.005	0.005	0.001	0.007
95.320	-12.143	17.066	95.321	-12.136	17.067	0.001	0.006	0.000	0.006
82.595	19.825	-12.225	82.595	19.828	-12.221	0.000	0.003	0.003	0.005
82.154	17.423	-21.517	82.155	17.429	-21.515	0.001	0.006	0.002	0.006
83.922	17.724	-29.637	83.922	17.730	-29.632	-0.001	0.007	0.005	0.008
85.526	-0.856	-18.315	85.525	-0.851	-18.316	-0.001	0.005	0.000	0.005
85.080	-15.183	-30.025	85.076	-15.177	-30.025	-0.004	0.006	0.001	0.007
61.021	38.541	-21.289	61.016	38.543	-21.286	-0.004	0.003	0.003	0.006
68.123	33.519	-12.183	68.117	33.516	-12.182	-0.006	-0.003	0.001	0.006
66.980	41.630	-0.893	66.973	41.631	-0.887	-0.007	0.001	0.006	0.009
74.835	35.901	0.856	74.841	35.906	0.858	0.006	0.005	0.003	0.008
75.098	-32.411	61.792	75.101	-32.407	61.790	0.004	0.004	-0.002	0.006
92.417	-27.633	34.666	92.420	-27.628	34.666	0.004	0.005	0.000	0.006
91.361	-29.663	32.332	91.361	-29.658	32.328	0.000	0.005	-0.004	0.006
90.237	-14.821	51.293	90.241	-14.816	51.295	0.004	0.004	0.001	0.006
91.361	-29.663	32.332	91.360	-29.658	32.330	-0.001	0.005	-0.003	0.006
92.417	-27.633	34.666	92.419	-27.627	34.667	0.002	0.006	0.001	0.007
83.308	-27.413	5.936	83.308	-27.406	5.936	0.000	0.007	0.000	0.007
85.080	-15.183	-30.025	85.075	-15.178	-30.024	-0.005	0.005	0.001	0.007
78.257	-23.385	-22.737	78.250	-23.379	-22.736	-0.007	0.006	0.001	0.009
53.842	-50.774	28.326	53.846	-50.768	28.323	0.003	0.007	-0.003	0.008
46.917	-50.702	32.153	46.921	-50.701	32.156	0.003	0.001	0.003	0.005
35.055	-51.884	28.183	35.060	-51.876	28.183	0.005	0.008	-0.001	0.010
83.642	-31.428	29.622	83.641	-31.423	29.619	-0.001	0.005	-0.003	0.006
64.666	-49.377	24.554	64.670	-49.370	24.551	0.004	0.007	-0.004	0.009
65.146	-49.080	22.774	65.146	-49.076	22.772	0.000	0.004	-0.002	0.004
68.288	-41.870	12.307	68.291	-41.864	12.302	0.003	0.006	-0.005	0.008
52.396	-48.910	22.747	52.399	-48.906	22.745	0.003	0.005	-0.002	0.006
57.811	-43.989	14.735	57.813	-43.987	14.729	0.002	0.002	-0.006	0.006
62.265	-40.685	5.109	62.266	-40.680	5.106	0.002	0.006	-0.004	0.007
73.524	-40.278	0.864	73.527	-40.273	0.863	0.003	0.005	-0.001	0.005
69.516	-42.136	-0.860	69.513	-42.136	-0.862	-0.003	0.000	-0.003	0.004
69.351	-36.525	-6.199	69.348	-36.523	-6.197	-0.004	0.002	0.002	0.005
66.563	-34.113	-16.995	66.558	-34.110	-16.994	-0.005	0.003	0.001	0.006
62.262	-37.935	-21.720	62.258	-37.931	-21.721	-0.004	0.004	-0.001	0.006
51.407	-39.005	-8.549	51.404	-38.997	-8.549	-0.003	0.008	0.000	0.008
46.952	-42.870	-16.161	46.952	-42.867	-16.158	0.000	0.003	0.002	0.004
48.860	-40.048	-0.871	48.858	-40.044	-0.872	-0.002	0.004	-0.001	0.004
46.976	-43.374	7.029	46.978	-43.364	7.029	0.002	0.010	0.000	0.010
46.411	-53.432	15.961	46.413	-53.427	15.960	0.002	0.005	-0.001	0.005
45.905	-53.762	17.720	45.909	-53.752	17.719	0.004	0.010	0.000	0.010
28.104	-46.400	11.231	28.106	-46.389	11.234	0.002	0.011	0.003	0.011
26.362	-42.521	8.671	26.363	-42.514	8.668	0.001	0.007	-0.003	0.007
25.727	-44.938	14.059	25.734	-44.925	14.062	0.006	0.013	0.003	0.015
23.397	-50.936	18.392	23.402	-50.925	18.394	0.005	0.012	0.001	0.013
14.977	-36.742	11.322	14.986	-36.732	11.317	0.009	0.009	-0.005	0.014
75.098	-32.411	61.792	75.098	-32.405	61.790	0.000	0.006	-0.001	0.006
27.345	-37.033	-9.040	27.342	-37.036	-9.035	-0.003	-0.004	0.005	0.007
18.121	-25.803	-5.689	18.113	-25.807	-5.681	-0.008	-0.004	0.008	0.012
30.298	-29.171	-0.881	30.293	-29.173	-0.879	-0.006	-0.002	0.002	0.006
23.512	-22.568	-0.884	23.506	-22.569	-0.884	-0.006	-0.001	0.000	0.006
15.766	6.829	-2.583	15.756	6.825	-2.601	-0.011	-0.004	-0.018	0.021
15.772	10.650	2.555	15.782	10.658	2.552	0.011	0.008	-0.003	0.014
18.431	26.717	-5.787	18.426	26.714	-5.795	-0.005	-0.003	-0.008	0.010
20.390	34.541	-0.877	20.381	34.536	-0.884	-0.009	-0.005	-0.007	0.012

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20.413	34.634	0.837	20.423	34.637	0.830	0.010	0.003	-0.007	0.013
27.090	37.362	-8.934	27.085	37.360	-8.935	-0.005	-0.002	0.000	0.006
30.694	38.535	-5.343	30.686	38.532	-5.343	-0.008	-0.003	0.000	0.008
30.502	44.405	-0.878	30.496	44.399	-0.877	-0.007	-0.006	0.001	0.009
29.747	44.142	4.651	29.753	44.149	4.652	0.006	0.007	0.001	0.009
22.100	45.670	7.085	22.104	45.675	7.088	0.004	0.005	0.004	0.007
28.459	50.675	9.401	28.462	50.680	9.407	0.004	0.005	0.006	0.009
24.353	48.668	9.863	24.357	48.674	9.868	0.004	0.005	0.005	0.008
36.221	47.011	0.836	36.226	47.022	0.841	0.006	0.011	0.005	0.013
50.158	42.451	-17.332	50.152	42.452	-17.329	-0.006	0.001	0.003	0.007
50.193	47.492	-0.882	50.186	47.486	-0.878	-0.007	-0.006	0.004	0.010
55.339	46.639	0.842	55.346	46.649	0.846	0.006	0.010	0.004	0.012
49.280	47.708	7.754	49.285	47.714	7.759	0.005	0.006	0.005	0.009
51.705	51.360	27.653	51.706	51.365	27.662	0.001	0.005	0.009	0.010
46.768	50.719	32.065	46.771	50.728	32.071	0.003	0.009	0.007	0.012
18.121	-25.803	-5.689	18.114	-25.807	-5.680	-0.006	-0.004	0.010	0.012
27.345	-37.033	-9.040	27.343	-37.036	-9.034	-0.003	-0.003	0.006	0.007
27.880	-28.857	-5.695	27.872	-28.862	-5.688	-0.008	-0.004	0.007	0.011
xavg =	0.0007	yavg =	0.0041	zavg =	0.0015	savg =	0.0084		
xstd =	0.0048	ystd =	0.0045	zstd =	0.0041	sstd =	0.0029		