CALCULATION SHEET FOR INCLINOMETER

V-2 : A axis DATE : APR. 24, 1990

DEPTH	A(I) Sep. 19, 1989	T/A(I)	A(0) Apr. 24, 1990	T-A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	2.422	109.323	0.1341	-0.1348	2.689	111.014	1.691	0.267
1.0	2.472	106.901	0.1405	-0.1408	2.813	108.325	1.424	0.341
1.5	2.402	104.429	0.1362	-0.1366	2.728	105.512	1.083	0.326
2.0	2.289	102.027	0.1186	-0.1193	2.379	102.784	0.757	0.090
2.5	2.210	99.738	0.1078	-0.1086	2.164	100.405	0.667	-0.046
3.0	2.157	97.528	0.1078	-0.1078	2.156	98.241	0.713	-0.001
3.5	1.844	95.371	0.0937	-0.0955	1.892	96.085	0.714	0.048
4.0	1.791	93.527	0.0899	-0.0907	1.806	94.193	0.666	0.015
4.5	1.728	91.736	0.0867	-0.0876	1.743	92.387	0.651	0.015
5.0	1.694	90.008	0.0849	-0.0858	1.707	90.644	0.636	0.013
5.5	1.679	88.314	0.0851	-0.0858	1.709	88.937	0.623	0.030
6.0	1.662	86.635	0.0871	-0.0881	1.752	87.228	0.593	0.090
6.5	1.429	84.973	0.0816	-0.0814	1.630	85.476	0.503	0.201
7.0	1.432	83.544	0.0746	-0.0751	1.497	83.846	0.302	0.065
7.5	1.444	82.112	0.0725	-0.0735	1.460	82.349	0.237	0.016
8.0	1.454	80.668	0.0720	-0.0726	1.446	80.889	0.221	-0.008
8.5	1.505	79.214	0.0746	-0.0754	1.500	79.443	0.229	-0.005
9.0	1.598	77.709	0.0778	-0.0783	1.561	77.943	0.234	-0.037
9.5	1.724	76.111	0.0860	-0.0867	1.727	76.382	0.271	0.003
10.0	1.740	74.387	0.0868	-0.0873	1.741	74.655	0.268	0.001
10.5	1.785	72.647	0.0890	-0.0896	1.786	72.914	0.267	0.001
11.0	1.792	70.862	0.0894	-0.0903	1.797	71.128	0.266	0.005
11.5	1.793	69.070	0.0895	-0.0903	1.798	69.331	0.261	0.005
12.0	1.787	67.277	0.0894	-0.0902	1.796	67.533	0.256	0.009
12.5	1.599	65.490	0.0818	-0.0825	1.643	65.737	0.247	0.044
13.0	1.608	63.891	0.0804	-0.0809	1.613	64.094	0.203	0.005
13.5	1.623	62.283	0.0808	-0.0814	1.622	62.481	0.198	-0.001
14.0	1.674	60.660	0.0832	-0.0836	1.668	60.859	0.199	-0.006
14.5	1.701	58.986	0.0843	-0.0849	1.692	59.191	0.205	-0.009
15.0	1.737	57.285	0.0857	-0.0864	1.721	57.499	0.214	-0.016
15.5	1.701	55.548	0.0853	-0.0860	1.713	55.778	0.230	0.012
16.0	1.735	53.847	0.0865	-0.0873	1.738	54.065	0.218	0.003
16.5	1.766	52.112	0.0881	-0.0887	1.768	52.327	0.215	0.002
17.0	1.798	50.346	0.0895	-0.0903	1.798	50.559	0.213	0.000
17.5	1.797	48.548	0.0905	-0.0910	1.815	48.761	0.213	0.018
18.0	1.825	46.751	0.0903	-0.0910	1.813	46.946	0.195	-0.012
18.5	1.735	44.926	0.0914	-0.0925	1.839	45.133	0.207	0.104
19.0	1.800	43.191	0.0903	-0.0909	1.812	43.294	0.103	0.012
19.5	1.802	41.391	0.0898	-0.0905	1.803	41.482	0.091	0.001
20.0	1.801	39.589	0.0901	-0.0908	1.809	39.679	0.090	0.008
20.5	1.830	37.788	0.0912	-0.0916	1.828	37.870	0.082	-0.002
21.0	1.845	35.958	0.0915	-0.0923	1.838	36.042	0.084	-0.007
21.5	1.849	34.113	0.0914	-0.0925	1.839	34.204	0.091	-0.010
22.0	1.872	32.264	0.0924	-0.0933	1.857	32.365	0.101	-0.015
22.5	1.855	30.392	0.0926	-0.0932	1.858	30.508	0.116	0.003
23.0	1.843	28.537	0.0915	-0.0923	1.838	28.650	0.113	-0.005
23.5	1.861	26.694	0.0927	-0.0935	1.862	26.812	0.118	0.001
24.0	1.868	24.833	0.0943	-0.0949	1.892	24.950	0.117	0.024
24.5	1.910	22.965	0.0950	-0.0979	1.929	23.058	0.093	0.019
25.0	1.939	21.055	0.0962	-0.0966	1.928	21.129	0.074	-0.011
25.5	1.983	19.116	0.0992	-0.0997	1.989	19.201	0.085	0.006
26.0	1.974	17.133	0.0988	-0.0993	1.981	17.212	0.079	0.007
26.5	1.962	15.159	0.0979	-0.0985	1.964	15.231	0.072	0.002
27.0	1.955	13.197	0.0981	-0.0982	1.963	13.267	0.070	0.008
27.5	1.900	11.242	0.0963	-0.0967	1.930	11.304	0.062	0.030
28.0	1.872	9.342	0.0942	-0.0947	1.889	9.374	0.032	0.017
28.5	1.884	7.470	0.0949	-0.0952	1.901	7.485	0.015	0.017
29.0	1.884	5.586	0.0934	-0.0943	1.877	5.584	-0.002	-0.007
29.5	1.861	3.702	0.0929	-0.0935	1.864	3.707	0.005	0.003
30.0	1.841	1.841	0.0917	-0.0926	1.843	1.843	0.002	0.002

CALCULATION SHEET FOR INCLINOMETER

V-2 : A axis DATE : MAY. 24 1990

DEPTH	A(I)	T/A(I)	A(0)	T-A(180)	A(n)	T/A(n)	T/A(n)	A(n)
	Sep. 19, 1989			May. 24, 1990			-T/A(I)	-A(I)
0.5	2.422	109.323	0.1397	-0.1394	2.791	110.968	1.645	0.369
1.0	2.472	106.901	0.1422	-0.1426	2.848	108.177	1.276	0.376
1.5	2.402	104.429	0.1347	-0.1350	2.697	105.329	0.9	0.295
2.0	2.289	102.027	0.1171	-0.1180	2.351	102.632	0.605	0.062
2.5	2.210	99.738	0.1083	-0.1091	2.174	100.281	0.543	-0.036
3.0	2.157	97.528	0.1078	-0.1082	2.160	98.107	0.579	0.003
3.5	1.844	95.371	0.0917	-0.0928	1.845	95.947	0.576	0.001
4.0	1.791	93.527	0.0895	-0.0902	1.797	94.102	0.575	0.006
4.5	1.728	91.736	0.0858	-0.0868	1.726	92.305	0.569	-0.002
5.0	1.694	90.008	0.0848	-0.0855	1.703	90.579	0.571	0.009
5.5	1.679	88.314	0.0854	-0.0861	1.715	88.876	0.562	0.036
6.0	1.662	86.635	0.0885	-0.0870	1.755	87.161	0.526	0.093
6.5	1.429	84.973	0.0790	-0.0817	1.607	85.406	0.433	0.178
7.0	1.432	83.544	0.0742	-0.0749	1.491	83.799	0.255	0.059
7.5	1.444	82.112	0.0725	-0.0731	1.456	82.308	0.196	0.012
8.0	1.454	80.668	0.0720	-0.0729	1.449	80.852	0.184	-0.005
8.5	1.505	79.214	0.0748	-0.0756	1.504	79.403	0.189	-0.001
9.0	1.598	77.709	0.0783	-0.0807	1.590	77.899	0.190	-0.008
9.5	1.724	76.111	0.0860	-0.0867	1.727	76.309	0.198	0.003
10.0	1.740	74.387	0.0871	-0.0875	1.746	74.582	0.195	0.006
10.5	1.785	72.647	0.0888	-0.0895	1.783	72.836	0.189	-0.002
11.0	1.792	70.862	0.0894	-0.0901	1.795	71.053	0.191	0.003
11.5	1.793	69.070	0.0895	-0.0902	1.797	69.258	0.188	0.004
12.0	1.787	67.277	0.0894	-0.0903	1.797	67.461	0.184	0.010
12.5	1.599	65.490	0.0793	-0.0815	1.608	65.664	0.174	0.009
13.0	1.608	63.891	0.0802	-0.0808	1.610	64.056	0.165	0.002
13.5	1.623	62.283	0.0810	-0.0813	1.623	62.446	0.163	0.000
14.0	1.674	60.660	0.0831	-0.0839	1.670	60.823	0.163	-0.004
14.5	1.701	58.986	0.0844	-0.0849	1.693	59.153	0.167	-0.008
15.0	1.737	57.285	0.0859	-0.0874	1.733	57.460	0.175	-0.004
15.5	1.701	55.548	0.0849	-0.0853	1.702	55.727	0.179	0.001
16.0	1.735	53.847	0.0867	-0.0872	1.739	54.025	0.178	0.004
16.5	1.766	52.112	0.0880	-0.0888	1.768	52.286	0.174	0.002
17.0	1.798	50.346	0.0901	-0.0903	1.804	50.518	0.172	0.006
17.5	1.797	48.548	0.0902	-0.0908	1.810	48.714	0.166	0.013
18.0	1.825	46.751	0.0915	-0.0921	1.836	46.904	0.153	0.011
18.5	1.735	44.926	0.0909	-0.0916	1.825	45.068	0.142	0.090
19.0	1.800	43.191	0.0898	-0.0905	1.803	43.243	0.052	0.003
19.5	1.802	41.391	0.0902	-0.0904	1.806	41.440	0.049	0.004
20.0	1.801	39.589	0.0899	-0.0906	1.805	39.634	0.045	0.004
20.5	1.830	37.788	0.0914	-0.0915	1.829	37.829	0.041	-0.001
21.0	1.845	35.958	0.0920	-0.0923	1.843	36.000	0.042	-0.002
21.5	1.849	34.113	0.0908	-0.0926	1.834	34.157	0.044	-0.015
22.0	1.872	32.264	0.0928	-0.0932	1.860	32.323	0.059	-0.012
22.5	1.855	30.392	0.0919	-0.0928	1.847	30.463	0.071	-0.008
23.0	1.843	28.537	0.0917	-0.0921	1.838	28.616	0.079	-0.005
23.5	1.861	26.694	0.0930	-0.0934	1.864	26.778	0.084	0.003
24.0	1.868	24.833	0.0945	-0.0952	1.897	24.914	0.081	0.029
24.5	1.910	22.965	0.0959	-0.0972	1.931	23.017	0.052	0.021
25.0	1.939	21.055	0.0965	-0.0971	1.936	21.086	0.031	-0.003
25.5	1.983	19.116	0.0994	-0.0996	1.990	19.150	0.034	0.007
26.0	1.974	17.133	0.0984	-0.0991	1.975	17.160	0.027	0.001
26.5	1.962	15.159	0.0978	-0.0981	1.959	15.185	0.026	-0.003
27.0	1.955	13.197	0.0981	-0.0980	1.961	13.226	0.029	0.006
27.5	1.900	11.242	0.0947	-0.0955	1.902	11.265	0.023	0.002
28.0	1.872	9.342	0.0944	-0.0944	1.888	9.363	0.021	0.016
28.5	1.884	7.470	0.0945	-0.0952	1.897	7.475	0.005	0.013
29.0	1.884	5.586	0.0938	-0.0943	1.881	5.578	-0.008	-0.003
29.5	1.861	3.702	0.0923	-0.0928	1.851	3.697	-0.005	-0.010
30.0	1.841	1.841	0.0920	-0.0926	1.846	1.846	0.005	0.005

CALCULATION SHEET FOR INCLINOMETER

V-2 : A axis DATE : JUNE.19, 1990

DEPTH	A(I) Sep. 19, 1989	T/A(I)	A(0) June. 19, 1990	T-A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	2.422	109.323	0.1412	-0.1407	2.819	111.341	2.018	0.397
1.0	2.472	106.901	0.1430	-0.1429	2.859	108.522	1.621	0.387
1.5	2.402	104.429	0.1344	-0.1351	2.695	105.663	1.234	0.293
2.0	2.289	102.027	0.1168	-0.1176	2.344	102.968	0.941	0.055
2.5	2.210	99.738	0.1088	-0.1090	2.178	100.624	0.886	-0.032
3.0	2.157	97.528	0.1092	-0.1093	2.185	98.446	0.918	0.028
3.5	1.844	95.371	0.0927	-0.0935	1.862	96.261	0.890	0.018
4.0	1.791	93.527	0.0900	-0.0904	1.804	94.399	0.872	0.013
4.5	1.728	91.736	0.0860	-0.0867	1.727	92.595	0.859	-0.001
5.0	1.694	90.008	0.0849	-0.0854	1.703	90.868	0.860	0.009
5.5	1.679	88.314	0.0858	-0.0861	1.719	89.165	0.851	0.040
6.0	1.662	86.635	0.0895	-0.0869	1.764	87.446	0.811	0.102
6.5	1.429	84.973	0.0810	-0.0828	1.638	85.682	0.709	0.209
7.0	1.432	83.544	0.0748	-0.0751	1.499	84.044	0.500	0.067
7.5	1.444	82.112	0.0728	-0.0731	1.459	82.545	0.433	0.015
8.0	1.454	80.668	0.0726	-0.0728	1.454	81.086	0.418	0.000
8.5	1.505	79.214	0.0752	-0.0757	1.509	79.632	0.418	0.004
9.0	1.598	77.709	0.0786	-0.0811	1.597	78.123	0.414	-0.001
9.5	1.724	76.111	0.0865	-0.0868	1.733	76.526	0.415	0.009
10.0	1.740	74.387	0.0874	-0.0878	1.752	74.793	0.406	0.012
10.5	1.785	72.647	0.0893	-0.0896	1.789	73.041	0.394	0.004
11.0	1.792	70.862	0.0898	-0.0902	1.800	71.252	0.390	0.008
11.5	1.793	69.070	0.0900	-0.0902	1.802	69.452	0.382	0.009
12.0	1.787	67.277	0.0896	-0.0901	1.797	67.650	0.373	0.010
12.5	1.599	65.490	0.0797	-0.0813	1.610	65.853	0.363	0.011
13.0	1.608	63.891	0.0806	-0.0807	1.613	64.243	0.352	0.005
13.5	1.623	62.283	0.0813	-0.0816	1.629	62.630	0.347	0.006
14.0	1.674	60.660	0.0838	-0.0839	1.677	61.001	0.341	0.003
14.5	1.701	58.986	0.0848	-0.0850	1.698	59.324	0.338	-0.003
15.0	1.737	57.285	0.0862	-0.0876	1.738	57.626	0.341	0.001
15.5	1.701	55.548	0.0850	-0.0851	1.701	55.888	0.340	0.000
16.0	1.735	53.847	0.0869	-0.0873	1.742	54.187	0.340	0.007
16.5	1.766	52.112	0.0886	-0.0888	1.774	52.445	0.333	0.008
17.0	1.798	50.346	0.0904	-0.0905	1.809	50.671	0.325	0.011
17.5	1.797	48.548	0.0906	-0.0908	1.814	48.862	0.314	0.017
18.0	1.825	46.751	0.0923	-0.0918	1.841	47.048	0.297	0.016
18.5	1.735	44.926	0.0913	-0.0925	1.838	45.207	0.281	0.103
19.0	1.800	43.191	0.0904	-0.0905	1.809	43.369	0.178	0.009
19.5	1.802	41.391	0.0904	-0.0906	1.810	41.560	0.169	0.008
20.0	1.801	39.589	0.0905	-0.0907	1.812	39.750	0.161	0.011
20.5	1.830	37.788	0.0919	-0.0917	1.836	37.938	0.150	0.006
21.0	1.845	35.958	0.0926	-0.0923	1.849	36.102	0.144	0.004
21.5	1.849	34.113	0.0916	-0.0925	1.841	34.253	0.140	-0.008
22.0	1.872	32.264	0.0933	-0.0933	1.866	32.412	0.148	-0.006
22.5	1.855	30.392	0.0927	-0.0927	1.854	30.546	0.154	-0.001
23.0	1.843	28.537	0.0922	-0.0923	1.845	28.692	0.155	0.002
23.5	1.861	26.694	0.0934	-0.0936	1.870	26.847	0.153	0.009
24.0	1.868	24.833	0.0948	-0.0952	1.900	24.977	0.144	0.032
24.5	1.910	22.965	0.0956	-0.0967	1.923	23.077	0.112	0.013
25.0	1.939	21.055	0.0971	-0.0971	1.942	21.154	0.099	0.003
25.5	1.983	19.116	0.0996	-0.0997	1.993	19.212	0.096	0.010
26.0	1.974	17.133	0.0990	-0.0991	1.981	17.219	0.086	0.007
26.5	1.962	15.159	0.0982	-0.0981	1.963	15.238	0.079	0.001
27.0	1.955	13.197	0.0985	-0.0982	1.967	13.275	0.078	0.012
27.5	1.900	11.242	0.0954	-0.0959	1.913	11.308	0.066	0.013
28.0	1.872	9.342	0.0946	-0.0946	1.892	9.395	0.053	0.020
28.5	1.884	7.470	0.0955	-0.0952	1.907	7.503	0.033	0.023
29.0	1.884	5.586	0.0946	-0.0942	1.888	5.596	0.010	0.004
29.5	1.861	3.702	0.0929	-0.0929	1.858	3.708	0.006	-0.003
30.0	1.841	1.841	0.0923	-0.0927	1.850	1.850	0.009	0.009

INITIAL READINGS OF INCLINOMETERS

HOLE No.V-4 DATE : Oct. 9, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	0.0351	-0.0351	0.702	18.554	-0.0530	0.0578	-1.108	-50.001
1.0	0.0343	-0.0340	0.683	17.852	-0.0516	0.0562	-1.078	-49.893
1.5	0.0310	-0.0309	0.619	17.169	-0.0378	0.0422	-0.800	-47.815
2.0	0.0286	-0.0287	0.573	16.550	-0.0368	0.0416	-0.784	-47.015
2.5	0.0301	-0.0299	0.600	15.977	-0.0439	0.0467	-0.886	-46.231
3.0	0.0327	-0.0327	0.654	15.377	-0.0463	0.0512	-0.975	-45.345
3.5	0.0348	-0.0345	0.693	14.723	-0.0477	0.0526	-1.003	-44.370
4.0	0.0360	-0.0360	0.720	14.030	-0.0476	0.0526	-1.002	-43.367
4.5	0.0310	-0.0312	0.622	13.310	-0.0527	0.0574	-1.101	-42.365
5.0	0.0272	-0.0270	0.542	12.588	-0.0541	0.0587	-1.128	-41.264
5.5	0.0235	-0.0234	0.469	12.146	-0.0545	0.0594	-1.139	-40.136
6.0	0.0219	-0.0216	0.435	11.677	-0.0542	0.0590	-1.132	-38.997
6.5	0.0210	-0.0210	0.420	11.242	-0.0532	0.0580	-1.112	-37.865
7.0	0.0196	-0.0194	0.390	10.822	-0.0521	0.0569	-1.090	-36.753
7.5	0.0185	-0.0186	0.371	10.432	-0.0476	0.0519	-0.994	-35.663
8.0	0.0164	-0.0162	0.326	10.061	-0.0471	0.0519	-0.990	-34.669
8.5	0.0149	-0.0146	0.294	9.735	-0.0453	0.0500	-0.953	-33.679
9.0	0.0149	-0.0149	0.298	9.441	-0.0427	0.0476	-0.903	-32.726
9.5	0.0176	-0.0172	0.348	9.143	-0.0432	0.0479	-0.911	-31.822
10.0	0.0163	-0.0163	0.326	8.795	-0.0433	0.0481	-0.914	-30.912
10.5	0.0129	-0.0128	0.257	8.469	-0.0429	0.0473	-0.902	-29.999
11.0	0.0106	-0.0104	0.210	8.212	-0.0428	0.0474	-0.902	-29.096
11.5	0.0104	-0.0103	0.207	8.002	-0.0434	0.0481	-0.915	-28.194
12.0	0.0114	-0.011	0.224	7.795	-0.0446	0.0492	-0.938	-27.279
12.5	0.0119	-0.0118	0.237	7.571	-0.0461	0.0507	-0.968	-26.341
13.0	0.0116	-0.0112	0.228	7.334	-0.0475	0.0521	-0.996	-25.373
13.5	0.0178	-0.0177	0.355	7.106	-0.0476	0.0523	-0.999	-24.377
14.0	0.0214	-0.0210	0.424	6.751	-0.0429	0.0476	-0.905	-23.378
14.5	0.0236	-0.0232	0.468	6.327	-0.0396	0.0441	-0.837	-22.473
15.0	0.0271	-0.0269	0.540	5.859	-0.0365	0.0411	-0.776	-21.636
15.5	0.0257	-0.0255	0.512	5.319	-0.0365	0.0409	-0.774	-20.860
16.0	0.0191	-0.0189	0.380	4.807	-0.0414	0.0460	-0.874	-20.086
16.5	0.0281	-0.0277	0.558	4.427	-0.0584	0.0630	-1.214	-19.212
17.0	0.0379	-0.0377	0.756	3.869	-0.0603	0.0648	-1.251	-17.998
17.5	0.0298	-0.0292	0.590	3.113	-0.0670	0.0717	-1.387	-16.747
18.0	0.0224	-0.0221	0.445	2.523	-0.0712	0.0756	-1.468	-15.360
18.5	0.0193	-0.0190	0.383	2.078	-0.0694	0.0739	-1.433	-13.892
19.0	0.0189	-0.0185	0.374	1.695	-0.0654	0.0698	-1.352	-12.459
19.5	0.0130	-0.0129	0.259	1.321	-0.0556	0.0598	-1.154	-11.107
20.0	0.0125	-0.0122	0.247	1.063	-0.0550	0.0595	-1.145	-9.953
20.5	0.0107	-0.0105	0.212	0.816	-0.0567	0.0611	-1.178	-8.808
21.0	0.0071	-0.0068	0.139	0.604	-0.0531	0.0575	-1.106	-7.630
21.5	0.0019	-0.0016	0.035	0.465	-0.0445	0.0491	-0.937	-6.524
22.0	0.0027	-0.0025	0.052	0.430	-0.0424	0.0470	-0.894	-5.587
22.5	0.0052	-0.0053	0.105	0.378	-0.0419	0.0458	-0.874	-4.693
23.0	0.0054	-0.0052	0.106	0.273	-0.0395	0.0438	-0.833	-3.819
23.5	0.0041	-0.0038	0.079	0.167	-0.0377	0.0421	-0.798	-2.986
24.0	0.0027	-0.0024	0.051	0.088	-0.0359	0.0403	-0.762	-2.188
24.5	0.0015	-0.0012	0.027	0.037	-0.0342	0.0386	-0.728	-1.426
25.0	0.0006	-0.0004	0.010	0.010	-0.0327	0.0371	-0.698	-0.698

CALCURATION SHEET FOR INCLINOMETER

V-4 : A axis DATE:January 23 1990

DEPTH	A(I)	T/A(I)	A(0)	T-A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n)-A(I)
	Oct. 9 1989		Jan. 23, 1990					
0.5	0.702	18.554	-0.0194	0.0179	-0.373	16.767	-1.787	-1.075
1.0	0.693	17.852	0.0258	-0.0276	0.534	17.140	-0.712	-0.149
1.5	0.619	17.169	0.0355	-0.0357	0.712	16.606	-0.563	0.093
2.0	0.573	16.550	0.0310	-0.0308	0.618	15.894	-0.656	0.045
2.5	0.600	15.977	0.0294	-0.0293	0.587	15.276	-0.701	-0.013
3.0	0.654	15.377	0.0311	-0.0310	0.621	14.689	-0.688	-0.033
3.5	0.693	14.723	0.0320	-0.0317	0.637	14.068	-0.655	-0.056
4.0	0.720	14.030	0.0323	-0.0321	0.644	13.431	-0.599	-0.076
4.5	0.622	13.310	0.0302	-0.0302	0.604	12.787	-0.523	-0.018
5.0	0.542	12.688	0.0260	-0.0261	0.521	12.183	-0.505	-0.021
5.5	0.469	12.146	0.0226	-0.0224	0.450	11.662	-0.484	-0.019
6.0	0.435	11.677	0.0202	-0.0200	0.402	11.212	-0.465	-0.033
6.5	0.420	11.242	0.0189	-0.0190	0.379	10.810	-0.432	-0.041
7.0	0.390	10.822	0.0172	-0.0178	0.350	10.431	-0.391	-0.040
7.5	0.371	10.432	0.0144	-0.0144	0.288	10.081	-0.351	-0.083
8.0	0.326	10.061	0.0143	-0.0141	0.284	9.793	-0.268	-0.042
8.5	0.294	9.735	0.0148	-0.0145	0.290	9.509	-0.226	-0.004
9.0	0.293	9.441	0.0148	-0.0144	0.289	9.219	-0.222	-0.009
9.5	0.348	9.143	0.0156	-0.0154	0.310	8.930	-0.213	-0.038
10.0	0.326	8.795	0.0135	-0.0135	0.270	8.620	-0.175	-0.056
10.5	0.257	8.469	0.0114	-0.0114	0.228	8.350	-0.119	-0.029
11.0	0.210	8.212	0.0101	-0.0102	0.203	8.122	-0.09	-0.007
11.5	0.207	8.002	0.0103	-0.0103	0.206	7.919	-0.083	-0.001
12.0	0.224	7.795	0.0108	-0.0109	0.217	7.713	-0.082	-0.007
12.5	0.237	7.571	0.0109	-0.0109	0.218	7.496	-0.075	-0.019
13.0	0.228	7.334	0.0099	-0.0100	0.199	7.278	-0.056	-0.029
13.5	0.355	7.106	0.0166	-0.0169	0.335	7.079	-0.027	-0.020
14.0	0.424	6.751	0.0217	-0.0216	0.433	6.744	-0.007	0.009
14.5	0.468	6.327	0.0239	-0.0237	0.476	6.311	-0.016	0.008
15.0	0.540	5.869	0.0272	-0.0271	0.543	5.835	-0.024	0.003
15.5	0.512	5.319	0.0257	-0.0257	0.514	5.292	-0.027	0.002
16.0	0.380	4.807	0.0197	-0.0196	0.393	4.778	-0.029	0.013
16.5	0.553	4.427	0.0276	-0.0286	0.562	4.385	-0.042	0.004
17.0	0.756	3.869	0.0366	-0.0366	0.732	3.823	-0.046	-0.024
17.5	0.590	3.113	0.0293	-0.0290	0.583	3.091	-0.022	-0.007
18.0	0.445	2.523	0.0218	-0.0219	0.437	2.508	-0.015	-0.008
18.5	0.383	2.078	0.0191	-0.0191	0.382	2.071	-0.007	-0.001
19.0	0.374	1.695	0.0187	-0.0189	0.376	1.689	-0.006	0.002
19.5	0.258	1.321	0.0130	-0.0128	0.258	1.313	-0.008	0.000
20.0	0.247	1.063	0.0129	-0.0129	0.258	1.055	-0.008	0.011
20.5	0.212	0.816	0.0102	-0.0103	0.205	0.797	-0.019	-0.007
21.0	0.139	0.604	0.0068	-0.0067	0.135	0.592	-0.012	-0.004
21.5	0.035	0.465	0.0016	-0.0018	0.034	0.457	-0.008	-0.001
22.0	0.052	0.430	0.0029	-0.0025	0.054	0.423	-0.007	0.002
22.5	0.105	0.378	0.0050	-0.0055	0.106	0.369	-0.009	0.001
23.0	0.106	0.273	0.0051	-0.0053	0.104	0.263	-0.01	-0.002
23.5	0.079	0.167	0.0040	-0.0040	0.080	0.159	-0.008	0.001
24.0	0.051	0.088	0.0024	-0.0024	0.048	0.079	-0.009	-0.003
24.5	0.027	0.037	0.0013	-0.0012	0.025	0.031	-0.006	-0.002
25.0	0.010	0.010	0.0002	-0.0004	0.006	0.006	-0.004	-0.004

CALCURATION SHEET FOR INCLINOMETER

V-4 : A axis DATE : Feb. 28, 1990

DEPTH	A(I)	T/A(I)	A(0)	T-A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n)-A(I)
	Oct. 9 1989		Feb. 28, 1990					
0.5	0.702	18.554	-0.0150	0.0148	-0.298	16.946	-1.608	-1.000
1.0	0.683	17.852	0.0251	-0.0270	0.521	17.244	-0.608	-0.162
1.5	0.619	17.169	0.0357	-0.0359	0.716	16.723	-0.446	0.097
2.0	0.573	16.550	0.0309	-0.0310	0.619	16.007	-0.543	0.046
2.5	0.600	15.977	0.0293	-0.0294	0.587	15.389	-0.589	-0.013
3.0	0.654	15.377	0.0314	-0.0313	0.627	14.801	-0.576	-0.027
3.5	0.693	14.723	0.0319	-0.0318	0.637	14.174	-0.549	-0.056
4.0	0.720	14.030	0.0324	-0.0324	0.649	13.537	-0.493	-0.072
4.5	0.622	13.310	0.0303	-0.0307	0.610	12.889	-0.421	-0.012
5.0	0.542	12.598	0.0262	-0.0264	0.526	12.279	-0.409	-0.016
5.5	0.469	12.146	0.0227	-0.0228	0.455	11.753	-0.393	-0.014
6.0	0.435	11.677	0.0199	-0.0200	0.399	11.298	-0.379	-0.036
6.5	0.420	11.242	0.0191	-0.0192	0.383	10.899	-0.343	-0.037
7.0	0.390	10.822	0.0172	-0.0173	0.345	10.516	-0.306	-0.045
7.5	0.371	10.432	0.0146	-0.0147	0.293	10.171	-0.261	-0.078
8.0	0.326	10.061	0.0143	-0.0142	0.285	9.878	-0.183	-0.041
8.5	0.294	9.735	0.0145	-0.0146	0.291	9.593	-0.142	-0.003
9.0	0.298	9.441	0.0144	-0.0144	0.288	9.302	-0.139	-0.010
9.5	0.348	9.143	0.0154	-0.0156	0.310	9.014	-0.129	-0.038
10.0	0.326	8.795	0.0136	-0.0137	0.273	8.704	-0.091	-0.053
10.5	0.257	8.469	0.0114	-0.0114	0.228	8.431	-0.038	-0.029
11.0	0.210	8.212	0.0102	-0.0103	0.205	8.203	-0.009	-0.005
11.5	0.207	8.002	0.0103	-0.0103	0.206	7.998	-0.004	-0.001
12.0	0.224	7.795	0.0109	-0.0109	0.218	7.792	-0.003	-0.006
12.5	0.237	7.571	0.0111	-0.0111	0.222	7.574	0.003	-0.015
13.0	0.228	7.334	0.0101	-0.0103	0.204	7.352	0.018	-0.024
13.5	0.355	7.106	0.0165	-0.0169	0.334	7.148	0.042	-0.021
14.0	0.424	6.751	0.0216	-0.0216	0.432	6.814	0.063	0.008
14.5	0.468	6.327	0.0240	-0.0239	0.479	6.382	0.055	0.011
15.0	0.540	5.859	0.0291	-0.0291	0.582	5.903	0.044	0.022
15.5	0.512	5.319	0.0267	-0.0267	0.534	5.341	0.022	0.022
16.0	0.380	4.807	0.0200	-0.0201	0.401	4.807	0	0.021
16.5	0.558	4.427	0.0275	-0.0291	0.556	4.406	-0.021	-0.002
17.0	0.756	3.869	0.0369	-0.0367	0.736	3.850	-0.019	-0.020
17.5	0.590	3.113	0.0293	-0.0294	0.587	3.114	0.001	-0.003
18.0	0.445	2.523	0.0220	-0.0221	0.441	2.527	0.004	-0.004
18.5	0.383	2.078	0.0193	-0.0193	0.386	2.086	0.008	0.003
19.0	0.374	1.695	0.0189	-0.0190	0.379	1.700	0.005	0.005
19.5	0.258	1.321	0.0132	-0.0131	0.263	1.321	2.2E-16	0.005
20.0	0.247	1.063	0.0129	-0.0129	0.259	1.059	-0.003	0.011
20.5	0.212	0.816	0.0104	-0.0104	0.208	0.800	-0.016	-0.004
21.0	0.139	0.604	0.0067	-0.0067	0.136	0.592	-0.012	-0.003
21.5	0.035	0.465	0.0018	-0.0019	0.037	0.456	-0.009	0.002
22.0	0.052	0.430	0.0024	-0.0025	0.052	0.419	-0.011	0.000
22.5	0.105	0.378	0.0050	-0.0056	0.106	0.367	-0.011	0.001
23.0	0.106	0.273	0.0052	-0.0054	0.106	0.261	-0.012	0.000
23.5	0.079	0.167	0.0038	-0.0040	0.078	0.155	-0.012	-0.001
24.0	0.051	0.088	0.0024	-0.0025	0.049	0.077	-0.011	-0.002
24.5	0.027	0.037	0.0011	-0.0012	0.023	0.028	-0.009	-0.004
25.0	0.010	0.010	0.0002	-0.0003	0.005	0.005	-0.005	-0.005

CALCULATION SHEET FOR INCLINOMETER

V-4: A Axis DATE: MCH.21, 1990

DEPTH	A(I)	T/A(I)	A(0)	T-A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n)-A(I)
	Oct.	9 1989		Mch 21, 1990				
0.5	0.702	18.554	-0.0106	0.0113	-0.219	17.082	-1.472	-0.921
1.0	0.683	17.852	0.0242	-0.0257	0.499	17.301	-0.551	-0.184
1.5	0.619	17.169	0.0354	-0.0360	0.714	16.802	-0.367	0.095
2.0	0.573	16.550	0.0307	-0.0307	0.614	16.088	-0.462	0.041
2.5	0.600	15.977	0.0293	-0.0295	0.588	15.474	-0.503	-0.012
3.0	0.654	15.377	0.0310	-0.0311	0.621	14.886	-0.491	-0.033
3.5	0.693	14.723	0.0319	-0.0318	0.637	14.265	-0.458	-0.056
4.0	0.720	14.030	0.0321	-0.0324	0.645	13.628	-0.402	-0.075
4.5	0.622	13.310	0.0304	-0.0306	0.610	12.983	-0.327	-0.012
5.0	0.542	12.688	0.0263	-0.0267	0.530	12.373	-0.315	-0.012
5.5	0.469	12.146	0.0227	-0.0228	0.455	11.843	-0.303	-0.014
6.0	0.435	11.677	0.0201	-0.0202	0.403	11.388	-0.289	-0.032
6.5	0.420	11.242	0.0189	-0.0192	0.381	10.985	-0.257	-0.039
7.0	0.390	10.822	0.0174	-0.0172	0.346	10.604	-0.218	-0.044
7.5	0.371	10.432	0.0147	-0.0148	0.295	10.258	-0.174	-0.076
8.0	0.326	10.061	0.0142	-0.0141	0.283	9.963	-0.098	-0.043
8.5	0.294	9.735	0.0147	-0.0149	0.296	9.680	-0.055	0.002
9.0	0.298	9.441	0.0141	-0.0142	0.283	9.384	-0.057	-0.015
9.5	0.348	9.143	0.0155	-0.0155	0.310	9.101	-0.042	-0.038
10.0	0.326	8.795	0.0135	-0.0136	0.271	8.791	-0.004	-0.055
10.5	0.257	8.469	0.0114	-0.0114	0.228	8.520	0.051	-0.029
11.0	0.210	8.212	0.0102	-0.0105	0.207	8.292	0.08	-0.003
11.5	0.207	8.002	0.0102	-0.0103	0.205	8.085	0.083	-0.002
12.0	0.224	7.795	0.0110	-0.0112	0.222	7.880	0.085	-0.002
12.5	0.237	7.571	0.0110	-0.0112	0.222	7.658	0.087	-0.015
13.0	0.228	7.334	0.0105	-0.0106	0.211	7.436	0.102	-0.017
13.5	0.355	7.106	0.0162	-0.0164	0.326	7.225	0.119	-0.029
14.0	0.424	6.751	0.0214	-0.0213	0.427	6.899	0.148	0.003
14.5	0.468	6.327	0.0246	-0.0245	0.491	6.472	0.145	0.023
15.0	0.540	5.859	0.0302	-0.0302	0.604	5.981	0.122	0.064
15.5	0.512	5.319	0.0293	-0.0294	0.587	5.377	0.058	0.075
16.0	0.380	4.807	0.0209	-0.0210	0.419	4.790	-0.017	0.039
16.5	0.558	4.427	0.0255	-0.0270	0.525	4.371	-0.056	-0.033
17.0	0.756	3.869	0.0368	-0.0368	0.736	3.846	-0.023	-0.020
17.5	0.590	3.113	0.0293	-0.0295	0.588	3.110	-0.003	-0.002
18.0	0.445	2.523	0.0220	-0.0223	0.443	2.522	-0.001	-0.002
18.5	0.383	2.078	0.0192	-0.0194	0.386	2.079	0.001	0.003
19.0	0.374	1.695	0.0188	-0.0190	0.378	1.693	-0.002	0.004
19.5	0.258	1.321	0.0132	-0.0134	0.266	1.315	-0.006	0.008
20.0	0.247	1.063	0.0127	-0.0128	0.255	1.049	-0.014	0.008
20.5	0.212	0.816	0.0102	-0.0105	0.207	0.794	-0.022	-0.005
21.0	0.139	0.604	0.0068	-0.0069	0.137	0.587	-0.017	-0.002
21.5	0.035	0.465	0.0020	-0.0020	0.040	0.450	-0.015	0.005
22.0	0.052	0.430	0.0022	-0.0027	0.049	0.410	-0.02	-0.003
22.5	0.105	0.378	0.0050	-0.0055	0.105	0.361	-0.017	0.000
23.0	0.106	0.273	0.0050	-0.0054	0.104	0.256	-0.017	-0.002
23.5	0.079	0.167	0.0038	-0.0040	0.078	0.152	-0.015	-0.001
24.0	0.051	0.088	0.0023	-0.0026	0.049	0.074	-0.014	-0.002
24.5	0.027	0.037	0.0010	-0.0012	0.022	0.025	-0.012	-0.005
25.0	0.010	0.010	0.0000	-0.0003	0.003	0.003	-0.007	-0.007

CALCULATION SHEET FOR INCLINOMETER

V-4 : A axis DATE: APR.24, 1990

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) Apr. 24, 1990	T-A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n)-A(I)
0.5	0.702	18.554	-0.0101	0.0092	-0.193	16.914	-1.64	-0.895
1.0	0.683	17.852	0.0253	-0.0259	0.512	17.107	-0.745	-0.171
1.5	0.619	17.169	0.0356	-0.0360	0.716	16.595	-0.574	0.097
2.0	0.573	16.550	0.0303	-0.0306	0.609	15.879	-0.671	0.036
2.5	0.600	15.977	0.0292	-0.0295	0.587	15.270	-0.707	-0.013
3.0	0.654	15.377	0.0310	-0.0313	0.623	14.683	-0.694	-0.031
3.5	0.693	14.723	0.0317	-0.0319	0.636	14.060	-0.663	-0.057
4.0	0.720	14.030	0.0320	-0.0324	0.644	13.424	-0.606	-0.076
4.5	0.622	13.310	0.0299	-0.0304	0.603	12.780	-0.53	-0.019
5.0	0.542	12.688	0.0260	-0.0264	0.524	12.177	-0.511	-0.018
5.5	0.469	12.146	0.0223	-0.0225	0.448	11.653	-0.493	-0.021
6.0	0.435	11.677	0.0198	-0.0199	0.397	11.205	-0.472	-0.038
6.5	0.420	11.242	0.0186	-0.0190	0.376	10.808	-0.434	-0.044
7.0	0.390	10.822	0.0170	-0.0173	0.343	10.432	-0.39	-0.047
7.5	0.371	10.432	0.0142	-0.0146	0.288	10.089	-0.343	-0.083
8.0	0.326	10.061	0.0140	-0.0141	0.281	9.801	-0.26	-0.045
8.5	0.294	9.735	0.0146	-0.0147	0.293	9.520	-0.215	-0.001
9.0	0.298	9.441	0.0139	-0.0143	0.282	9.227	-0.214	-0.016
9.5	0.348	9.143	0.0151	-0.0153	0.304	8.945	-0.198	-0.044
10.0	0.326	8.795	0.0131	-0.0134	0.265	8.641	-0.154	-0.061
10.5	0.257	8.469	0.0110	-0.0114	0.224	8.376	-0.093	-0.033
11.0	0.210	8.212	0.0101	-0.0103	0.204	8.152	-0.06	-0.006
11.5	0.207	8.002	0.0099	-0.0104	0.203	7.948	-0.054	-0.004
12.0	0.224	7.795	0.0109	-0.0110	0.219	7.745	-0.05	-0.005
12.5	0.237	7.571	0.0109	-0.0112	0.221	7.526	-0.045	-0.016
13.0	0.228	7.334	0.0101	-0.0104	0.205	7.305	-0.029	-0.023
13.5	0.355	7.106	0.0167	-0.0172	0.339	7.100	-0.006	-0.016
14.0	0.424	6.751	0.0210	-0.0213	0.423	6.761	0.01	-0.001
14.5	0.468	6.327	0.0246	-0.0248	0.494	6.338	0.011	0.026
15.0	0.540	5.859	0.0300	-0.0304	0.604	5.844	-0.015	0.064
15.5	0.512	5.319	0.0288	-0.0291	0.579	5.240	-0.079	0.067
16.0	0.380	4.807	0.0203	-0.0205	0.408	4.661	-0.146	0.028
16.5	0.558	4.427	0.0283	-0.0281	0.564	4.253	-0.174	0.006
17.0	0.756	3.869	0.0279	-0.0366	0.645	3.689	-0.18	-0.111
17.5	0.590	3.113	0.0287	-0.0290	0.577	3.044	-0.069	-0.013
18.0	0.445	2.523	0.0217	-0.0218	0.435	2.467	-0.056	-0.010
18.5	0.383	2.078	0.0190	-0.0192	0.382	2.032	-0.046	-0.001
19.0	0.374	1.695	0.0186	-0.0188	0.374	1.650	-0.045	0.000
19.5	0.258	1.321	0.0126	-0.0129	0.255	1.276	-0.045	-0.003
20.0	0.247	1.063	0.0126	-0.0130	0.256	1.021	-0.042	0.009
20.5	0.212	0.816	0.0100	-0.0102	0.202	0.765	-0.051	-0.010
21.0	0.139	0.604	0.0063	-0.0066	0.129	0.563	-0.041	-0.010
21.5	0.035	0.465	0.0015	-0.0017	0.032	0.434	-0.031	-0.003
22.0	0.052	0.430	0.0025	-0.0028	0.053	0.402	-0.028	0.001
22.5	0.105	0.378	0.0048	-0.0058	0.106	0.349	-0.029	0.001
23.0	0.106	0.273	0.0050	-0.0052	0.102	0.243	-0.03	-0.004
23.5	0.079	0.167	0.0035	-0.0040	0.075	0.141	-0.026	-0.004
24.0	0.051	0.088	0.0021	-0.0024	0.045	0.066	-0.022	-0.006
24.5	0.027	0.037	0.0008	-0.0012	0.020	0.021	-0.016	-0.007
25.0	0.010	0.010	-0.0001	-0.0002	0.001	0.001	-0.009	-0.009

CALCULATION SHEET FOR INCLINOMETER

V-4 : A axis Date: MAY. 31, 1990

DEPTH	A(I) Oct.	T/A(I) 9 1989	A(0)	T-A(180) May.31,	A(n) 1990	T/A(n)	T/A(n) - T/A(I)	A(n) -A(I)
0.5	0.702	18.554	-0.0079	0.0073	-0.152	17.110	-1.444	-0.854
1.0	0.683	17.852	0.0245	-0.0259	0.504	17.262	-0.59	-0.179
1.5	0.619	17.169	0.0354	-0.0363	0.717	16.758	-0.411	0.098
2.0	0.573	16.550	0.0303	-0.0308	0.611	16.041	-0.509	0.038
2.5	0.600	15.977	0.0290	-0.0297	0.587	15.430	-0.547	-0.013
3.0	0.654	15.377	0.0309	-0.0313	0.622	14.843	-0.534	-0.032
3.5	0.693	14.723	0.0316	-0.0321	0.637	14.221	-0.502	-0.056
4.0	0.720	14.030	0.0319	-0.0325	0.644	13.584	-0.446	-0.076
4.5	0.622	13.310	0.0302	-0.0309	0.611	12.940	-0.37	-0.011
5.0	0.542	12.688	0.0259	-0.0267	0.526	12.329	-0.359	-0.016
5.5	0.469	12.146	0.0224	-0.0228	0.452	11.803	-0.343	-0.017
6.0	0.435	11.677	0.0197	-0.0202	0.399	11.351	-0.326	-0.036
6.5	0.420	11.242	0.0186	-0.0190	0.376	10.952	-0.29	-0.044
7.0	0.390	10.822	0.0171	-0.0175	0.346	10.576	-0.246	-0.044
7.5	0.371	10.432	0.0145	-0.0149	0.294	10.230	-0.202	-0.077
8.0	0.326	10.061	0.0140	-0.0142	0.282	9.936	-0.125	-0.044
8.5	0.294	9.735	0.0145	-0.0150	0.295	9.654	-0.081	0.001
9.0	0.298	9.441	0.0140	-0.0142	0.282	9.359	-0.082	-0.016
9.5	0.348	9.143	0.0151	-0.0155	0.306	9.077	-0.066	-0.042
10.0	0.326	8.795	0.0131	-0.0135	0.266	8.771	-0.024	-0.060
10.5	0.257	8.469	0.0112	-0.0117	0.229	8.505	0.036	-0.028
11.0	0.210	8.212	0.0099	-0.0104	0.203	8.276	0.064	-0.007
11.5	0.207	8.002	0.0099	-0.0103	0.202	8.073	0.071	-0.005
12.0	0.224	7.795	0.0108	-0.0113	0.221	7.871	0.076	-0.003
12.5	0.237	7.571	0.0109	-0.0112	0.221	7.650	0.079	-0.016
13.0	0.228	7.334	0.0103	-0.0107	0.210	7.429	0.095	-0.018
13.5	0.355	7.106	0.0162	-0.0164	0.326	7.219	0.113	-0.029
14.0	0.424	6.751	0.0211	-0.0214	0.425	6.893	0.142	0.001
14.5	0.468	6.327	0.0244	-0.0248	0.492	6.468	0.141	0.024
15.0	0.540	5.859	0.0301	-0.0304	0.605	5.976	0.117	0.065
15.5	0.512	5.319	0.0291	-0.0296	0.587	5.371	0.052	0.075
16.0	0.380	4.807	0.0206	-0.0213	0.419	4.784	-0.023	0.039
16.5	0.558	4.427	0.0268	-0.0279	0.547	4.365	-0.062	-0.011
17.0	0.756	3.869	0.0364	-0.0369	0.733	3.818	-0.051	-0.023
17.5	0.590	3.113	0.0290	-0.0294	0.584	3.085	-0.028	-0.006
18.0	0.445	2.523	0.0217	-0.0222	0.439	2.501	-0.022	-0.006
18.5	0.383	2.078	0.0191	-0.0192	0.383	2.062	-0.016	0.000
19.0	0.374	1.695	0.0187	-0.0190	0.377	1.679	-0.016	0.003
19.5	0.258	1.321	0.0130	-0.0131	0.261	1.302	-0.019	0.003
20.0	0.247	1.063	0.0127	-0.0130	0.257	1.041	-0.022	0.010
20.5	0.212	0.816	0.0101	-0.0104	0.205	0.784	-0.032	-0.007
21.0	0.139	0.604	0.0065	-0.0068	0.133	0.579	-0.025	-0.006
21.5	0.035	0.465	0.0016	-0.0020	0.036	0.446	-0.019	0.001
22.0	0.052	0.430	0.0023	-0.0028	0.051	0.410	-0.02	-0.001
22.5	0.105	0.378	0.0049	-0.0058	0.107	0.359	-0.019	0.002
23.0	0.106	0.273	0.0050	-0.0055	0.105	0.252	-0.021	-0.001
23.5	0.079	0.167	0.0037	-0.0041	0.078	0.147	-0.02	-0.001
24.0	0.051	0.088	0.0021	-0.0026	0.047	0.069	-0.019	-0.004
24.5	0.027	0.037	0.0008	-0.0013	0.021	0.022	-0.015	-0.006
25.0	0.010	0.010	-0.0001	-0.0002	0.001	0.001	-0.009	-0.009

CALCULATION SHEET FOR INCLINOMETER

V-4 : A axis DATE: JUNE. 20, 1990

DEPTH	A(I)	T/A(I)	A(0)	T-A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n)-A(I)
	Oct. 9 1989		June.20, 1990					
0.5	0.702	18.554	-0.0034	0.0028	-0.062	17.248	-1.306	-0.764
1.0	0.683	17.852	0.0253	-0.0273	0.526	17.310	-0.542	-0.157
1.5	0.619	17.169	0.0355	-0.0364	0.719	16.784	-0.385	0.100
2.0	0.573	16.550	0.0302	-0.0310	0.612	16.065	-0.485	0.039
2.5	0.600	15.977	0.0291	-0.0299	0.590	15.453	-0.524	-0.010
3.0	0.654	15.377	0.0309	-0.0317	0.626	14.863	-0.514	-0.028
3.5	0.693	14.723	0.0317	-0.0323	0.640	14.237	-0.486	-0.053
4.0	0.720	14.030	0.0319	-0.0327	0.646	13.597	-0.433	-0.074
4.5	0.622	13.310	0.0298	-0.0306	0.604	12.951	-0.359	-0.018
5.0	0.542	12.688	0.0259	-0.0267	0.526	12.347	-0.341	-0.016
5.5	0.469	12.146	0.0222	-0.0229	0.451	11.821	-0.325	-0.018
6.0	0.435	11.677	0.0197	-0.0202	0.399	11.370	-0.307	-0.036
6.5	0.420	11.242	0.0185	-0.0192	0.377	10.971	-0.271	-0.043
7.0	0.390	10.822	0.0169	-0.0176	0.345	10.594	-0.228	-0.045
7.5	0.371	10.432	0.0142	-0.0149	0.291	10.249	-0.183	-0.080
8.0	0.326	10.061	0.0139	-0.0144	0.283	9.958	-0.103	-0.043
8.5	0.294	9.735	0.0145	-0.0151	0.296	9.675	-0.06	0.002
9.0	0.298	9.441	0.0139	-0.0145	0.284	9.379	-0.062	-0.014
9.5	0.348	9.143	0.0150	-0.0155	0.305	9.095	-0.048	-0.043
10.0	0.326	8.795	0.0129	-0.0137	0.266	8.790	-0.005	-0.060
10.5	0.257	8.469	0.0110	-0.0117	0.227	8.524	0.055	-0.030
11.0	0.210	8.212	0.0099	-0.0106	0.205	8.297	0.085	-0.005
11.5	0.207	8.002	0.0098	-0.0106	0.204	8.092	0.09	-0.003
12.0	0.224	7.795	0.0108	-0.0113	0.221	7.888	0.093	-0.003
12.5	0.237	7.571	0.0109	-0.0115	0.224	7.667	0.096	-0.013
13.0	0.228	7.334	0.0101	-0.0107	0.208	7.443	0.109	-0.020
13.5	0.355	7.106	0.0164	-0.0170	0.334	7.235	0.129	-0.021
14.0	0.424	6.751	0.0210	-0.0216	0.426	6.901	0.15	0.002
14.5	0.468	6.327	0.0246	-0.0250	0.496	6.475	0.148	0.028
15.0	0.540	5.859	0.0300	-0.0307	0.607	5.979	0.12	0.067
15.5	0.512	5.319	0.0288	-0.0295	0.583	5.372	0.053	0.071
16.0	0.380	4.807	0.0204	-0.0211	0.415	4.789	-0.018	0.035
16.5	0.558	4.427	0.0273	-0.0290	0.563	4.374	-0.053	0.005
17.0	0.756	3.869	0.0363	-0.0367	0.730	3.811	-0.058	-0.026
17.5	0.590	3.113	0.0286	-0.0292	0.578	3.081	-0.032	-0.012
18.0	0.445	2.523	0.0216	-0.0222	0.438	2.503	-0.02	-0.007
18.5	0.383	2.078	0.0189	-0.0195	0.384	2.065	-0.013	0.001
19.0	0.374	1.695	0.0186	-0.0191	0.377	1.681	-0.014	0.003
19.5	0.258	1.321	0.0127	-0.0132	0.259	1.304	-0.017	0.001
20.0	0.247	1.063	0.0126	-0.0133	0.259	1.045	-0.018	0.012
20.5	0.212	0.816	0.0099	-0.0103	0.202	0.786	-0.03	-0.010
21.0	0.139	0.604	0.0064	-0.0070	0.134	0.584	-0.02	-0.005
21.5	0.035	0.465	0.0015	-0.0020	0.035	0.450	-0.015	0.000
22.0	0.052	0.430	0.0024	-0.0030	0.054	0.415	-0.015	0.002
22.5	0.105	0.378	0.0047	-0.0059	0.106	0.361	-0.017	0.001
23.0	0.106	0.273	0.0050	-0.0056	0.106	0.255	-0.018	0.000
23.5	0.079	0.167	0.0036	-0.0042	0.078	0.149	-0.018	-0.001
24.0	0.051	0.088	0.0021	-0.0027	0.048	0.071	-0.017	-0.003
24.5	0.027	0.037	0.0008	-0.0014	0.022	0.023	-0.014	-0.005
25.0	0.010	0.010	-0.0002	-0.0003	0.001	0.001	-0.009	-0.009

INITIAL READING OF INCLINOMETERS

HOLE No. X-1 DATE : Aug. 23, 1999

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	-0.0076	0.0071	-0.147	0.343	-0.0180	0.0216	-0.396	-6.924
1.0	-0.0071	0.0061	-0.132	0.490	-0.0164	0.0206	-0.370	-6.529
1.5	-0.0118	0.0116	-0.234	0.622	-0.0063	0.0095	-0.158	-6.158
2.0	-0.0134	0.0130	-0.264	0.856	-0.0013	0.0045	-0.058	-6.000
2.5	-0.0134	0.0128	-0.262	1.120	-0.0016	0.0018	-0.034	-5.942
3.0	-0.0131	0.0126	-0.257	1.382	0.0034	-0.0001	0.035	-5.909
3.5	-0.0121	0.0116	-0.237	1.639	0.0042	-0.0007	0.049	-5.943
4.0	-0.0098	0.0092	-0.190	1.876	0.0040	-0.0007	0.047	-5.992
4.5	0.0011	-0.0012	0.023	2.066	0.0041	-0.0011	0.052	-6.039
5.0	0.0005	-0.0010	0.015	2.043	0.0005	0.0029	-0.023	-6.091
5.5	0.0013	-0.0017	0.030	2.028	-0.0020	0.0052	-0.072	-6.068
6.0	0.0023	-0.0029	0.052	1.998	-0.0038	0.0072	-0.110	-5.996
6.5	0.0029	-0.0033	0.061	1.946	-0.0057	0.0089	-0.146	-5.886
7.0	0.0038	-0.0043	0.081	1.885	-0.0067	0.0101	-0.168	-5.740
7.5	0.0060	-0.0067	0.127	1.804	-0.0086	0.0117	-0.203	-5.572
8.0	0.0056	-0.0061	0.117	1.677	-0.0103	0.0138	-0.238	-5.369
8.5	0.0055	-0.0060	0.115	1.560	-0.0096	0.0130	-0.228	-5.131
9.0	0.0053	-0.0058	0.111	1.445	-0.0102	0.0134	-0.236	-4.903
9.5	0.0065	-0.0070	0.135	1.334	-0.0106	0.0139	-0.245	-4.667
10.0	0.0072	-0.0085	0.157	1.199	-0.0117	0.0151	-0.268	-4.422
10.5	0.0085	-0.0085	0.170	1.042	0.0079	-0.0041	0.120	-4.154
11.0	0.0089	-0.0093	0.182	0.872	0.0071	-0.0040	0.111	-4.274
11.5	0.0090	-0.0093	0.183	0.690	0.0048	-0.0017	0.065	-4.385
12.0	0.0101	-0.0106	0.207	0.507	0.0038	-0.0005	0.043	-4.450
12.5	0.0105	-0.0108	0.213	0.300	0.0035	-0.0006	0.042	-4.493
13.0	0.0119	-0.0124	0.243	0.087	0.0031	0.0000	0.031	-4.535
13.5	0.0023	-0.0033	0.056	-0.156	-0.0036	0.0059	-0.095	-4.566
14.0	0.0013	-0.0017	0.030	-0.312	-0.0068	0.0096	-0.161	-4.471
14.5	-0.0002	-0.0003	0.001	-0.242	-0.0096	0.0129	-0.225	-4.310
15.0	-0.0016	0.0013	-0.029	-0.243	-0.0120	0.0151	-0.271	-4.085
15.5	-0.0031	0.0025	-0.056	-0.214	-0.0139	0.0172	-0.311	-3.814
16.0	-0.0018	0.0015	-0.033	-0.153	-0.0136	0.0167	-0.303	-3.503
16.5	0.0003	-0.0011	0.014	-0.125	-0.0007	0.0039	-0.046	-3.200
17.0	-0.0020	0.0013	-0.033	-0.139	-0.0049	0.0081	-0.130	-3.154
17.5	-0.0040	0.0039	-0.079	-0.106	-0.0134	0.0165	-0.299	-3.024
18.0	-0.0009	0.0004	-0.013	-0.027	-0.0124	0.0153	-0.279	-2.725
18.5	0.0008	-0.0012	0.020	-0.014	-0.0115	0.0146	-0.261	-2.446
19.0	-0.0017	0.0016	-0.033	-0.034	-0.0079	0.0109	-0.188	-2.185
19.5	-0.0005	0.0002	-0.007	-0.001	-0.0077	0.0127	-0.204	-1.997
20.0	0.0001	-0.0003	0.004	0.006	-0.0142	0.0173	-0.315	-1.793
20.5	0.0000	-0.0003	0.003	0.002	-0.0157	0.0188	-0.345	-1.478
21.0	-0.0001	-0.0001	0.000	-0.001	-0.0167	0.0196	-0.363	-1.133
21.5	-0.0005	0.0001	-0.006	-0.001	-0.0182	0.0211	-0.393	-0.770
22.0	0.0001	-0.0004	0.005	0.005	-0.0178	0.0202	-0.377	-0.377

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Sep. 12, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	AUG. 23, 1		Sep. 12, 1989					
0.5	-0.147	0.343	-0.0059	0.0057	-0.116	0.974	0.631	0.031
1.0	-0.132	0.490	-0.0057	0.0046	-0.103	1.090	0.600	0.029
1.5	-0.234	0.622	-0.0103	0.0108	-0.211	1.193	0.571	0.023
2.0	-0.264	0.856	-0.0129	0.0125	-0.254	1.404	0.548	0.010
2.5	-0.262	1.120	-0.0126	0.0123	-0.249	1.658	0.538	0.013
3.0	-0.257	1.382	-0.0128	0.0124	-0.252	1.907	0.525	0.005
3.5	-0.237	1.639	-0.0118	0.0115	-0.233	2.159	0.520	0.004
4.0	-0.190	1.876	-0.0096	0.0087	-0.183	2.392	0.516	0.007
4.5	0.023	2.066	0.0012	-0.0016	0.028	2.575	0.509	0.005
5.0	0.015	2.043	0.0009	-0.0013	0.022	2.547	0.504	0.007
5.5	0.030	2.028	0.0015	-0.0018	0.033	2.525	0.497	0.003
6.0	0.052	1.998	0.0023	-0.0025	0.048	2.492	0.494	-0.004
6.5	0.061	1.946	0.0028	-0.0032	0.060	2.444	0.498	-0.001
7.0	0.081	1.885	0.0042	-0.0045	0.087	2.384	0.499	0.006
7.5	0.127	1.804	0.0060	-0.0064	0.124	2.297	0.493	-0.003
8.0	0.117	1.677	0.0055	-0.0058	0.113	2.173	0.496	-0.004
8.5	0.115	1.560	0.0045	-0.0048	0.093	2.060	0.500	-0.022
9.0	0.111	1.445	0.0041	-0.0045	0.086	1.967	0.522	-0.025
9.5	0.135	1.334	0.0117	-0.0115	0.232	1.881	0.547	0.097
10.0	0.157	1.199	0.0261	-0.0261	0.522	1.649	0.450	0.365
10.5	0.170	1.042	0.0138	-0.0156	0.294	1.127	0.085	0.124
11.0	0.182	0.872	0.0069	-0.0073	0.142	0.833	-0.039	-0.040
11.5	0.183	0.690	0.0074	-0.0077	0.151	0.691	0.001	-0.032
12.0	0.207	0.507	0.0101	-0.0103	0.204	0.540	0.033	-0.003
12.5	0.213	0.300	0.0095	-0.0097	0.192	0.336	0.036	-0.021
13.0	0.243	0.087	0.0123	-0.0123	0.246	0.144	0.057	0.003
13.5	0.056	-0.156	0.0024	-0.0036	0.060	-0.102	0.054	0.004
14.0	0.030	-0.212	0.0029	-0.0032	0.061	-0.162	0.050	0.031
14.5	0.001	-0.242	0.0004	-0.0006	0.010	-0.223	0.019	0.009
15.0	-0.029	-0.243	-0.0016	0.0014	-0.030	-0.233	0.010	-0.001
15.5	-0.056	-0.214	-0.0037	0.0034	-0.071	-0.203	0.011	-0.015
16.0	-0.033	-0.158	-0.0026	0.0023	-0.049	-0.132	0.026	-0.016
16.5	0.014	-0.125	0.0000	-0.0004	0.004	-0.083	0.042	-0.010
17.0	-0.033	-0.139	-0.0022	0.0018	-0.040	-0.087	0.052	-0.007
17.5	-0.079	-0.106	-0.0045	0.0045	-0.090	-0.047	0.059	-0.011
18.0	-0.013	-0.027	-0.0006	0.0003	-0.009	0.043	0.070	0.004
18.5	0.020	-0.014	0.0018	-0.0022	0.040	0.052	0.066	0.020
19.0	-0.033	-0.034	-0.0018	0.0017	-0.035	0.012	0.046	-0.002
19.5	-0.007	-0.001	-0.0017	0.0010	-0.027	0.047	0.048	-0.020
20.0	0.004	0.006	0.0000	-0.0001	0.001	0.074	0.068	-0.003
20.5	0.003	0.002	0.0004	-0.0006	0.010	0.073	0.071	0.007
21.0	0.000	-0.001	0.0009	-0.0009	0.018	0.063	0.064	0.018
21.5	-0.006	-0.001	0.0006	-0.0007	0.013	0.045	0.046	0.019
22.0	0.005	0.005	0.0016	-0.0016	0.032	0.032	0.027	0.027

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Nov. 27, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	AUG. 23, 1		Nov. 27, 1989					
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0252	0.0241	-0.493	6.699	5.317	-0.236
3.5	-0.237	1.639	-0.0185	0.0175	-0.360	7.192	5.553	-0.123
4.0	-0.190	1.876	-0.0051	0.0034	-0.085	7.552	5.676	0.105
4.5	0.023	2.066	0.0476	-0.0494	0.970	7.637	5.571	0.947
5.0	0.015	2.043	0.0435	-0.0432	0.867	6.667	4.624	0.852
5.5	0.030	2.028	0.0112	-0.0127	0.239	5.800	3.772	0.209
6.0	0.052	1.998	0.0098	-0.0104	0.202	5.561	3.563	0.150
6.5	0.061	1.946	0.0101	-0.0108	0.209	5.359	3.413	0.148
7.0	0.081	1.885	0.0070	-0.0082	0.152	5.150	3.265	0.071
7.5	0.127	1.804	0.0048	-0.0054	0.102	4.998	3.194	-0.025
8.0	0.117	1.677	0.0039	-0.0048	0.087	4.896	3.219	-0.030
8.5	0.115	1.560	0.0002	-0.0012	0.014	4.809	3.249	-0.101
9.0	0.111	1.445	-0.0019	0.0014	-0.033	4.795	3.350	-0.144
9.5	0.135	1.334	0.0311	-0.0323	0.634	4.828	3.494	0.499
10.0	0.157	1.199	0.1164	-0.1170	2.334	4.194	2.995	2.177
10.5	0.170	1.042	0.0632	-0.0680	1.312	1.860	0.818	1.142
11.0	0.182	0.872	0.0134	-0.0144	0.278	0.548	-0.324	0.096
11.5	0.183	0.690	-0.0053	0.0049	-0.102	0.270	-0.420	-0.285
12.0	0.207	0.507	-0.0008	0.0005	-0.013	0.372	-0.135	-0.220
12.5	0.213	0.300	0.0025	-0.0030	0.055	0.385	0.085	-0.158
13.0	0.243	0.087	0.0143	-0.0144	0.287	0.330	0.243	0.044
13.5	0.056	-0.156	0.0079	-0.0087	0.166	0.043	0.199	0.110
14.0	0.030	-0.212	0.0067	-0.0075	0.142	-0.123	0.089	0.112
14.5	0.001	-0.242	0.0027	-0.0034	0.061	-0.265	-0.023	0.060
15.0	-0.029	-0.243	-0.0007	-0.0002	-0.005	-0.326	-0.083	0.024
15.5	-0.056	-0.214	-0.0049	0.0042	-0.091	-0.321	-0.107	-0.035
16.0	-0.033	-0.158	-0.0063	0.0057	-0.120	-0.230	-0.072	-0.087
16.5	0.014	-0.125	-0.0040	0.0032	-0.072	-0.110	0.015	-0.086
17.0	-0.033	-0.139	-0.0059	0.0049	-0.108	-0.038	0.101	-0.075
17.5	-0.079	-0.106	-0.0074	0.0069	-0.143	0.070	0.176	-0.064
18.0	-0.013	-0.027	0.0000	-0.0006	0.006	0.213	0.240	0.019
18.5	0.020	-0.014	0.0059	-0.0066	0.125	0.207	0.221	0.105
19.0	-0.033	-0.034	0.0034	-0.0040	0.074	0.082	0.116	0.107
19.5	-0.007	-0.001	0.0027	-0.0038	0.065	0.008	0.009	0.072
20.0	0.004	0.006	0.0017	-0.0025	0.042	-0.057	-0.063	0.038
20.5	0.003	0.002	0.0002	-0.0009	0.011	-0.099	-0.101	0.008
21.0	0.000	-0.001	-0.0013	0.0004	-0.017	-0.110	-0.109	-0.017
21.5	-0.006	-0.001	-0.0027	0.002	-0.047	-0.093	-0.092	-0.041
22.0	0.005	0.005	-0.0029	0.0017	-0.046	-0.046	-0.051	-0.051

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Dec. 5, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	AUG. 23, 1		Dec. 5, 1989					
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0285	0.0270	-0.555	8.151	6.769	-0.298
3.5	-0.237	1.639	-0.0229	0.0213	-0.442	8.706	7.067	-0.205
4.0	-0.190	1.876	-0.0116	0.0098	-0.214	9.148	7.272	-0.024
4.5	0.023	2.066	0.0339	-0.0354	0.693	9.362	7.296	0.670
5.0	0.015	2.043	0.0624	-0.0641	1.265	8.669	6.626	1.250
5.5	0.030	2.028	0.0230	-0.0247	0.477	7.404	5.376	0.447
6.0	0.052	1.998	0.0089	-0.0103	0.192	6.927	4.929	0.140
6.5	0.061	1.946	0.0115	-0.0130	0.245	6.735	4.789	0.184
7.0	0.091	1.885	0.0085	-0.0100	0.185	6.490	4.605	0.104
7.5	0.127	1.804	0.0049	-0.0065	0.114	6.305	4.501	-0.013
8.0	0.117	1.677	0.0033	-0.0048	0.081	6.191	4.514	-0.036
8.5	0.115	1.560	0.0001	-0.0016	0.017	6.110	4.550	-0.098
9.0	0.111	1.445	-0.0052	0.0037	-0.089	6.093	4.648	-0.200
9.5	0.135	1.334	0.0131	-0.0144	0.275	6.182	4.848	0.140
10.0	0.157	1.199	0.1206	-0.1251	2.457	5.907	4.708	2.300
10.5	0.170	1.042	0.1285	-0.1388	2.673	3.450	2.408	2.503
11.0	0.192	0.872	0.0329	-0.0371	0.700	0.777	-0.095	0.518
11.5	0.183	0.690	-0.0099	0.0085	-0.184	0.077	-0.613	-0.367
12.0	0.207	0.507	-0.0108	0.0092	-0.200	0.261	-0.246	-0.407
12.5	0.213	0.300	-0.0013	0.0000	-0.013	0.461	0.161	-0.226
13.0	0.243	0.087	0.0098	-0.0111	0.209	0.474	0.387	-0.034
13.5	0.056	-0.156	0.0117	-0.0135	0.252	0.265	0.421	0.196
14.0	0.030	-0.212	0.0074	-0.0088	0.162	0.013	0.225	0.132
14.5	0.001	-0.242	0.0045	-0.0062	0.107	-0.149	0.093	0.106
15.0	-0.029	-0.243	0.0013	-0.0027	0.040	-0.256	-0.013	0.069
15.5	-0.056	-0.214	-0.0037	0.0022	-0.059	-0.296	-0.082	-0.003
16.0	-0.033	-0.158	-0.0070	0.0054	-0.124	-0.237	-0.079	-0.091
16.5	0.014	-0.125	-0.0054	0.0039	-0.093	-0.113	0.012	-0.107
17.0	-0.033	-0.139	-0.0069	0.0055	-0.124	-0.020	0.119	-0.091
17.5	-0.079	-0.106	-0.0089	0.0076	-0.165	0.104	0.210	-0.086
18.0	-0.013	-0.027	-0.0030	0.0017	-0.047	0.269	0.296	-0.034
18.5	0.020	-0.014	0.0049	-0.0064	0.113	0.316	0.330	0.093
19.0	-0.033	-0.034	0.0055	-0.0070	0.125	0.203	0.237	0.158
19.5	-0.007	-0.001	0.0039	-0.0056	0.095	0.078	0.079	0.102
20.0	0.004	0.006	0.0039	-0.0054	0.093	-0.017	-0.023	0.089
20.5	0.003	0.002	0.0011	-0.0026	0.037	-0.110	-0.112	0.034
21.0	0.000	-0.001	-0.0012	-0.0001	-0.011	-0.147	-0.146	-0.011
21.5	-0.006	-0.001	-0.0036	0.0020	-0.056	-0.136	-0.135	-0.050
22.0	0.005	0.005	-0.0047	0.0033	-0.080	-0.080	-0.085	-0.085

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Dec. 12, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	AUG. 23, 1		Dec. 12, 1989					
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0316	0.0267	-0.583	4.240	2.858	-0.326
3.5	-0.237	1.639	-0.0260	0.0211	-0.471	4.823	3.184	-0.234
4.0	-0.190	1.876	-0.0049	-0.0001	-0.048	5.294	3.418	0.142
4.5	0.023	2.066	0.0691	-0.0724	1.415	5.342	3.276	1.392
5.0	0.015	2.043	0.0871	-0.0920	1.791	3.927	1.884	1.776
5.5	0.030	2.028	0.0235	-0.0297	0.532	2.136	0.108	0.502
6.0	0.052	1.998	0.0128	-0.0179	0.307	1.604	-0.394	0.255
6.5	0.061	1.946	0.0158	-0.0205	0.363	1.297	-0.649	0.302
7.0	0.081	1.885	0.0102	-0.0150	0.252	0.934	-0.951	0.171
7.5	0.127	1.804	0.0041	-0.0088	0.129	0.682	-1.122	0.002
8.0	0.117	1.677	0.0014	-0.0065	0.079	0.553	-1.124	-0.038
8.5	0.115	1.560	-0.0025	-0.0024	-0.001	0.474	-1.086	-0.116
9.0	0.111	1.445	-0.0064	0.0012	-0.076	0.475	-0.970	-0.187
9.5	0.135	1.334	0.0231	-0.0320	0.551	0.551	-0.783	0.416

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Dec. 15, 1989

DEPTH	A(I) Aug. 23, 1989	T/A(I)	A(0) Dec. 15, 1989	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.956						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0321	0.0321	-0.642	4.262	2.880	-0.385
3.5	-0.237	1.639	-0.0271	0.0261	-0.532	4.904	3.265	-0.295
4.0	-0.190	1.876	-0.0023	0.0017	-0.040	5.436	3.560	0.150
4.5	0.023	2.066	0.0827	-0.0833	1.660	5.476	3.410	1.637
5.0	0.015	2.043	0.0964	-0.0991	1.955	3.816	1.773	1.940
5.5	0.030	2.028	0.0245	-0.0255	0.500	1.861	-0.167	0.470
6.0	0.052	1.998	0.0142	-0.0151	0.293	1.361	-0.637	0.241
6.5	0.061	1.946	0.0175	-0.0182	0.357	1.063	-0.878	0.296
7.0	0.081	1.885	0.0109	-0.0117	0.226	0.711	-1.174	0.145
7.5	0.127	1.804	0.0032	-0.0036	0.068	0.485	-1.319	-0.059
8.0	0.117	1.677	0.0005	-0.0015	0.020	0.417	-1.260	-0.097
8.5	0.115	1.560	-0.0036	0.0030	-0.066	0.397	-1.163	-0.181
9.0	0.111	1.445	-0.0073	0.0062	-0.135	0.463	-0.982	-0.246
9.5	0.135	1.334	0.0263	-0.0335	0.598	0.598	-0.736	0.463

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Dec. 25, 1989

DEPTH	A(I) Aug. 23, 1989	T/A(I)	A(0) Dec. 25, 1989	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0396	0.0350	-0.746	6.732	5.350	-0.489
3.5	-0.237	1.639	-0.0325	0.0274	-0.599	7.478	5.839	-0.362
4.0	-0.190	1.876	0.0062	-0.0098	0.160	8.077	6.201	0.350
4.5	0.023	2.066	0.1299	-0.1349	2.648	7.917	5.851	2.625
5.0	0.015	2.043	0.1388	-0.1454	2.842	5.269	3.226	2.827
5.5	0.030	2.028	0.0317	-0.0378	0.695	2.427	0.399	0.665
6.0	0.052	1.998	0.0204	-0.0249	0.453	1.732	-0.266	0.401
6.5	0.061	1.946	0.0231	-0.0279	0.510	1.279	-0.667	0.449
7.0	0.081	1.885	0.0129	-0.0176	0.305	0.769	-1.116	0.224
7.5	0.127	1.804	0.0013	-0.0058	0.071	0.464	-1.340	-0.056
8.0	0.117	1.677	-0.0027	-0.0021	-0.006	0.393	-1.284	-0.123
8.5	0.115	1.560	-0.0075	0.0020	-0.095	0.399	-1.161	-0.210
9.0	0.111	1.445	-0.0101	0.0052	-0.153	0.494	-0.951	-0.264
9.5	0.135	1.334	0.0271	-0.0376	0.647	0.647	-0.687	0.512

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Jan. 4, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	Aug. 23, 1989		Jan. 4, 1990					
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0423	0.0421	-0.844	7.028	5.646	-0.587
3.5	-0.237	1.639	-0.0337	0.0335	-0.672	7.872	6.233	-0.435
4.0	-0.190	1.876	0.0119	-0.0135	0.254	8.544	6.668	0.444
4.5	0.023	2.066	0.1547	-0.1549	3.096	8.290	6.224	3.073
5.0	0.015	2.043	0.1524	-0.1524	3.048	5.194	3.151	3.033
5.5	0.030	2.028	0.0327	-0.0326	0.653	2.146	0.118	0.623
6.0	0.052	1.998	0.0231	-0.0238	0.469	1.493	-0.505	0.417
6.5	0.061	1.946	0.0252	-0.0250	0.502	1.024	-0.922	0.441
7.0	0.081	1.885	0.0139	-0.0141	0.280	0.522	-1.363	0.199
7.5	0.127	1.804	-0.0001	0.0002	-0.003	0.242	-1.562	-0.130
8.0	0.117	1.677	-0.0043	0.0040	-0.083	0.245	-1.432	-0.200
8.5	0.115	1.560	-0.0086	0.0084	-0.170	0.328	-1.232	-0.285
9.0	0.111	1.445	-0.0101	0.0096	-0.197	0.498	-0.947	-0.308
9.5	0.135	1.334	0.0339	-0.0357	0.695	0.695	-0.639	0.560

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Jan. 19, 1990

DEPTH	A(I) Aug. 23, 1989	T/A(I)	A(0) Jan. 19, 1990	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0456	0.0450	-0.906	7.811	6.429	-0.649
3.5	-0.237	1.639	-0.0361	0.0359	-0.720	8.717	7.078	-0.483
4.0	-0.190	1.876	0.0191	-0.0217	0.408	9.437	7.561	0.598
4.5	0.023	2.066	0.1818	-0.1811	3.629	9.029	6.963	3.606
5.0	0.015	2.043	0.1669	-0.1739	3.408	5.400	3.357	3.393
5.5	0.030	2.028	0.0308	-0.0344	0.652	1.992	-0.036	0.622
6.0	0.052	1.998	0.0250	-0.0247	0.497	1.340	-0.658	0.445
6.5	0.061	1.946	0.0267	-0.0280	0.547	0.843	-1.103	0.486
7.0	0.081	1.885	0.0141	-0.0150	0.291	0.296	-1.589	0.210
7.5	0.127	1.804	-0.0023	0.0010	-0.033	0.005	-1.799	-0.160
8.0	0.117	1.677	-0.0063	0.0056	-0.119	0.038	-1.639	-0.236
8.5	0.115	1.560	-0.0098	0.0090	-0.188	0.157	-1.403	-0.303
9.0	0.111	1.445	-0.0098	0.0091	-0.189	0.345	-1.100	-0.300
9.5	0.135	1.334	0.0249	-0.0285	0.534	0.534	-0.800	0.399

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : Feb. 2, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
	Aug. 23, 1989		Feb. 2, 1990					
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0468	0.0471	-0.939	7.506	6.124	-0.682
3.5	-0.237	1.639	-0.0374	0.0368	-0.742	8.445	6.806	-0.505
4.0	-0.190	1.876	0.0193	-0.0251	0.444	9.187	7.311	0.634
4.5	0.023	2.066	0.1193	-0.1984	3.177	8.743	6.677	3.154
5.0	0.015	2.043		-0.1766	3.532	5.566	3.523	3.517
5.5	0.030	2.028		-0.0313	0.626	2.034	0.006	0.596
6.0	0.052	1.998		-0.0285	0.570	1.408	-0.590	0.518
6.5	0.061	1.946		-0.0295	0.590	0.838	-1.108	0.529
7.0	0.081	1.865		-0.0144	0.288	0.248	-1.637	0.207
7.5	0.127	1.604		0.0036	-0.072	-0.040	-1.844	-0.199
8.0	0.117	1.677		0.0067	-0.134	0.032	-1.645	-0.251
8.5	0.115	1.560		0.0097	-0.194	0.166	-1.394	-0.309
9.0	0.111	1.445		0.0083	-0.166	0.360	-1.085	-0.277
9.5	0.135	1.334		-0.0263	0.526	0.526	-0.808	0.391

CALCURATION SHEET FOR INCLINOMETER

X-1 : A axis DATE : FEB. 7, 1990

DEPTH	A(I)	T/A(I) AUG. 23, 1	A(0) FEB. 7, 1990	A(180)	A(n)	T/A(n)	T/A(n) - T/A(I)	A(n) - A(I)
0.5	-0.147	0.343						
1.0	-0.132	0.490						
1.5	-0.234	0.622						
2.0	-0.264	0.856						
2.5	-0.262	1.120						
3.0	-0.257	1.382	-0.0477	0.0474	-0.951	8.121	6.739	-0.694
3.5	-0.237	1.639	-0.0377	0.0376	-0.753	9.072	7.433	-0.516
4.0	-0.190	1.876	0.0203	-0.0238	0.441	9.825	7.949	0.631
4.5	0.023	2.066	0.1606	-0.2006	3.612	9.384	7.318	3.589
5.0	0.015	2.043		-0.1837	3.674	5.772	3.729	3.659
5.5	0.030	2.028		-0.0348	0.696	2.098	0.070	0.666
6.0	0.052	1.998		-0.0280	0.560	1.402	-0.596	0.508
6.5	0.061	1.946		-0.0303	0.606	0.842	-1.104	0.545
7.0	0.081	1.885		-0.0154	0.308	0.236	-1.649	0.227
7.5	0.127	1.804		0.0029	-0.058	-0.072	-1.876	-0.185
8.0	0.117	1.677		0.0066	-0.132	-0.014	-1.691	-0.249
8.5	0.115	1.560		0.0094	-0.188	0.116	-1.442	-0.303
9.0	0.111	1.445		0.0089	-0.179	0.306	-1.139	-0.289
9.5	0.135	1.334		-0.0242	0.484	0.484	-0.850	0.349

INITIAL READING OF INCLINOMETERS

HOLE No. X-3 DATE : Sep. 11, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	0.0109	-0.0111	0.220	23.431	-0.0279	0.0300	-0.579	-25.334
1.0	0.0090	-0.0092	0.182	23.211	-0.0286	0.0305	-0.594	-24.755
1.5	0.0073	-0.0076	0.149	23.029	-0.0293	0.0311	-0.604	-24.159
2.0	0.0094	-0.0101	0.195	22.980	-0.0277	0.0291	-0.568	-23.555
2.5	0.0234	-0.0236	0.470	22.685	-0.0126	0.0145	-0.272	-22.987
3.0	0.0230	-0.0230	0.460	22.215	-0.0120	0.0140	-0.260	-22.715
3.5	0.0222	-0.0224	0.446	21.755	-0.0116	0.0136	-0.252	-22.455
4.0	0.0229	-0.0232	0.461	21.309	-0.0121	0.0140	-0.261	-22.203
4.5	0.0229	-0.0229	0.458	20.848	-0.0115	0.0134	-0.249	-21.942
5.0	0.0212	-0.0217	0.429	20.390	-0.0127	0.0135	-0.262	-21.695
5.5	0.0173	-0.0173	0.346	19.961	-0.0191	0.0211	-0.402	-21.431
6.0	0.0193	-0.0194	0.387	19.615	-0.0185	0.0202	-0.367	-21.029
6.5	0.0214	-0.0215	0.429	19.228	-0.0217	0.0233	-0.450	-20.642
7.0	0.0215	-0.0216	0.431	18.799	-0.0233	0.0251	-0.484	-20.192
7.5	0.0213	-0.0213	0.428	18.368	-0.0248	0.0264	-0.512	-19.708
8.0	0.0207	-0.0207	0.424	17.940	-0.0256	0.0272	-0.528	-19.196
8.5	0.0225	-0.0226	0.451	17.516	-0.0159	0.0176	-0.335	-18.668
9.0	0.0245	-0.0246	0.491	17.065	-0.0126	0.0201	-0.387	-18.333
9.5	0.0253	-0.0254	0.507	16.574	-0.0137	0.0204	-0.391	-17.946
10.0	0.0252	-0.0253	0.505	16.067	-0.0173	0.0189	-0.362	-17.555
10.5	0.0240	-0.0241	0.481	15.562	-0.0155	0.0175	-0.330	-17.193
11.0	0.0221	-0.0226	0.446	15.081	-0.0154	0.0176	-0.340	-16.863
11.5	0.0309	-0.0309	0.618	14.635	-0.0192	0.0209	-0.401	-16.523
12.0	0.0308	-0.0309	0.617	14.017	-0.0205	0.0223	-0.431	-16.122
12.5	0.0266	-0.0265	0.531	13.400	-0.0193	0.0206	-0.399	-15.691
13.0	0.0245	-0.0245	0.490	12.869	-0.0187	0.0203	-0.390	-15.292
13.5	0.0261	-0.0261	0.522	12.339	-0.0269	0.0293	-0.562	-14.902
14.0	0.0273	-0.0276	0.549	11.817	-0.0300	0.0310	-0.610	-14.380
14.5	0.0171	-0.0170	0.341	11.268	-0.0174	0.0189	-0.363	-13.740
15.0	0.0155	-0.0156	0.311	10.927	-0.0171	0.0186	-0.357	-13.377
15.5	0.0108	-0.0108	0.216	10.616	-0.0164	0.0181	-0.345	-13.020
16.0	0.0118	-0.0117	0.235	10.400	-0.0159	0.0172	-0.331	-12.675
16.5	0.0170	-0.0171	0.341	10.166	-0.0156	0.0174	-0.330	-12.404
17.0	0.0193	-0.0194	0.387	9.824	-0.0169	0.0180	-0.349	-12.074
17.5	0.0147	-0.0149	0.295	9.437	-0.0223	0.0238	-0.461	-11.725
18.0	0.0146	-0.0145	0.291	9.142	-0.0166	0.0181	-0.347	-11.264
18.5	0.0139	-0.0139	0.278	8.851	-0.0193	0.0205	-0.396	-10.917
19.0	0.0090	-0.0089	0.179	8.573	-0.0214	0.0231	-0.445	-10.519
19.5	0.0141	-0.0139	0.280	8.394	-0.0206	0.0219	-0.425	-10.074
20.0	0.0203	-0.0205	0.408	8.114	-0.0218	0.0235	-0.453	-9.649
20.5	0.0363	-0.0371	0.734	7.706	-0.0257	0.0273	-0.530	-9.196
21.0	0.0381	-0.0382	0.763	6.972	-0.0271	0.0285	-0.556	-8.666
21.5	0.0373	-0.0373	0.746	6.209	-0.0270	0.0289	-0.559	-8.110
22.0	0.0368	-0.0369	0.737	5.463	-0.0282	0.0296	-0.578	-7.551
22.5	0.0380	-0.0381	0.761	4.726	-0.0298	0.0315	-0.613	-6.973
23.0	0.0386	-0.0387	0.773	3.965	-0.0328	0.0336	-0.664	-6.360
23.5	0.0225	-0.0231	0.457	3.192	-0.0410	0.0427	-0.837	-5.696
24.0	0.0251	-0.0251	0.502	2.735	-0.0448	0.0464	-0.912	-4.859
24.5	0.0251	-0.0251	0.502	2.233	-0.0461	0.0473	-0.934	-3.947
25.0	0.0237	-0.0238	0.475	1.731	-0.0440	0.0457	-0.897	-3.013
25.5	0.0207	-0.0206	0.415	1.256	-0.0402	0.0415	-0.817	-2.116
26.0	0.0160	-0.0164	0.324	0.841	-0.0348	0.0364	-0.702	-1.299
26.5	0.0038	-0.0039	0.076	0.517	-0.0157	0.0173	-0.330	-0.597
27.0	0.0025	-0.0026	0.051	0.441	-0.0124	0.0139	-0.262	-0.267
27.5	0.0044	-0.0045	0.089	0.390	-0.0093	0.0098	-0.181	-0.005
29.0	0.0059	-0.0059	0.118	0.301	-0.0001	0.0012	-0.013	0.176
28.5	0.0090	-0.0093	0.183	0.183	0.0100	-0.0089	0.189	0.189

CALCURATION SHEET FOR INCLINOMETER

X-3 : A axis DATE : Oct. 23, 1989

DEPTH	A(I) Sep. 11	T/A(I) 1989	A(0) Oct. 23,	A(180) 1989	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	0.220	23.431	0.0064	-0.0066	0.130	23.565	0.134	-0.090
1.0	0.182	23.211	0.0061	-0.0062	0.123	23.435	0.224	-0.059
1.5	0.149	23.029	0.0056	-0.0055	0.111	23.312	0.283	-0.038
2.0	0.195	22.880	0.0124	-0.0117	0.241	23.201	0.321	0.046
2.5	0.470	22.685	0.0236	-0.0236	0.474	22.960	0.275	0.004
3.0	0.460	22.215	0.0228	-0.0228	0.456	22.486	0.271	-0.004
3.5	0.446	21.755	0.0223	-0.0222	0.445	22.030	0.275	-0.001
4.0	0.461	21.309	0.0231	-0.0230	0.461	21.585	0.276	0.000
4.5	0.458	20.848	0.0235	-0.0235	0.470	21.124	0.276	0.012
5.0	0.429	20.390	0.0208	-0.0206	0.414	20.654	0.264	-0.015
5.5	0.346	19.961	0.0171	-0.0172	0.343	20.240	0.279	-0.003
6.0	0.387	19.615	0.0201	-0.0201	0.402	19.897	0.282	0.015
6.5	0.429	19.228	0.0219	-0.0218	0.437	19.495	0.267	0.008
7.0	0.431	18.799	0.0217	-0.0216	0.433	19.058	0.259	0.002
7.5	0.428	18.368	0.0214	-0.0213	0.427	18.623	0.257	-0.001
8.0	0.424	17.940	0.0208	-0.0221	0.429	18.198	0.258	0.005
8.5	0.451	17.516	0.0223	-0.0224	0.447	17.769	0.253	-0.004
9.0	0.495	17.065	0.0249	-0.0249	0.498	17.322	0.257	0.007
9.5	0.507	16.574	0.0254	-0.0252	0.506	16.824	0.250	-0.001
10.0	0.505	16.067	0.0253	-0.0252	0.505	16.318	0.251	0.000
10.5	0.481	15.562	0.0240	-0.0237	0.477	15.813	0.251	-0.004
11.0	0.446	15.081	0.0237	-0.0237	0.474	15.336	0.255	0.028
11.5	0.618	14.635	0.0309	-0.0307	0.616	14.862	0.227	-0.002
12.0	0.617	14.017	0.0312	-0.0308	0.620	14.246	0.229	0.003
12.5	0.571	13.406	0.0277	-0.0273	0.550	13.626	0.226	-0.021
13.0	0.490	12.829	0.0248	-0.0243	0.491	13.076	0.247	0.001
13.5	0.522	12.339	0.0255	-0.0270	0.535	12.585	0.246	0.013
14.0	0.549	11.817	0.0246	-0.0254	0.500	12.050	0.233	-0.049
14.5	0.341	11.268	0.0173	-0.0171	0.344	11.550	0.282	0.003
15.0	0.311	10.927	0.0151	-0.0147	0.298	11.206	0.279	-0.013
15.5	0.216	10.616	0.0102	-0.0099	0.201	10.908	0.292	-0.015
16.0	0.235	10.400	0.0134	-0.0132	0.266	10.707	0.307	0.031
16.5	0.341	10.165	0.0179	-0.0177	0.356	10.441	0.275	0.015
17.0	0.387	9.824	0.0198	-0.0196	0.394	10.085	0.261	0.007
17.5	0.295	9.437	0.0159	-0.0157	0.316	9.691	0.254	0.021
18.0	0.291	9.142	0.0167	-0.0166	0.333	9.375	0.233	0.042
18.5	0.276	8.851	0.0120	-0.0113	0.233	9.042	0.191	-0.043
19.0	0.179	8.573	0.0075	-0.0074	0.149	8.809	0.236	-0.030
19.5	0.260	8.394	0.0153	-0.0148	0.301	8.560	0.266	0.021
20.0	0.408	8.114	0.0233	-0.0237	0.470	8.339	0.245	0.062
20.5	0.734	7.706	0.0396	-0.0396	0.792	7.889	0.183	0.058
21.0	0.763	6.972	0.0444	-0.0442	0.886	7.097	0.125	0.123
21.5	0.746	6.209	0.0402	-0.0398	0.800	6.211	0.002	0.054
22.0	0.737	5.463	0.0391	-0.0379	0.759	5.411	-0.052	0.022
22.5	0.761	4.726	0.0388	-0.0381	0.765	4.652	-0.074	0.004
23.0	0.773	3.965	0.0366	-0.0351	0.717	3.597	-0.078	-0.056
23.5	0.457	3.192	0.0233	-0.0231	0.466	3.170	-0.022	0.009
24.0	0.509	2.735	0.0254	-0.0250	0.504	2.706	-0.029	0.002
24.5	0.502	2.233	0.0253	-0.0250	0.503	2.202	-0.031	0.001
25.0	0.475	1.733	0.0233	-0.0228	0.462	1.649	-0.032	-0.013
25.5	0.415	1.256	0.0206	-0.0201	0.407	1.229	-0.017	-0.008
26.0	0.324	0.841	0.0156	-0.0139	0.275	0.832	-0.009	-0.049
26.5	0.076	0.517	0.0038	-0.0035	0.073	0.557	0.040	-0.003
27.0	0.053	0.441	0.0030	-0.0026	0.058	0.484	0.043	0.007
27.5	0.089	0.390	0.0048	-0.0044	0.092	0.426	0.036	0.003
28.0	0.118	0.301	0.0067	-0.0064	0.131	0.334	0.033	0.013
28.5	0.183	0.183	0.0102	-0.0101	0.203	0.203	0.020	0.020

CALIBRATION SHEET FOR INCLINOMETER

X-5 : A axis DATE : Nov. 20, 1989

DEPTH	A(I) Sep. 11 1989	T/A(I)	A(0) Nov. 20, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	0.220	23.431	0.0084	-0.0095	0.179	22.409	-1.022	-0.041
1.0	0.182	23.211	0.0066	-0.0077	0.143	22.230	-0.981	-0.039
1.5	0.149	23.029	0.0031	-0.0044	0.075	22.087	-0.942	-0.074
2.0	0.195	22.880	0.0099	-0.0113	0.212	22.012	-0.868	0.017
2.5	0.470	22.685	0.0231	-0.0243	0.474	21.800	-0.885	0.004
3.0	0.460	22.215	0.0222	-0.0233	0.455	21.326	-0.889	-0.005
3.5	0.446	21.755	0.0215	-0.0229	0.444	20.871	-0.884	-0.002
4.0	0.461	21.307	0.0223	-0.0236	0.459	20.427	-0.882	-0.002
4.5	0.456	20.848	0.0229	-0.0242	0.471	19.968	-0.880	0.013
5.0	0.429	20.390	0.0199	-0.0216	0.415	19.497	-0.893	-0.014
5.5	0.346	19.961	0.0164	-0.0175	0.339	19.082	-0.877	-0.007
6.0	0.387	19.615	0.0194	-0.0208	0.402	18.743	-0.872	0.015
6.5	0.429	19.228	0.0213	-0.0226	0.439	18.341	-0.887	0.010
7.0	0.431	18.799	0.0211	-0.0222	0.433	17.902	-0.897	0.002
7.5	0.428	18.358	0.0206	-0.0220	0.426	17.469	-0.889	-0.002
8.0	0.424	17.940	0.0202	-0.0225	0.423	17.043	-0.897	0.004
8.5	0.451	17.516	0.0216	-0.0230	0.446	16.615	-0.901	-0.005
9.0	0.491	17.065	0.0242	-0.0255	0.497	16.169	-0.896	0.006
9.5	0.507	16.574	0.0248	-0.0259	0.507	15.672	-0.902	0.000
10.0	0.505	16.067	0.0246	-0.0259	0.505	15.165	-0.902	0.000
10.5	0.491	15.562	0.0232	-0.0242	0.474	14.660	-0.902	-0.007
11.0	0.446	15.081	0.0227	-0.0240	0.467	14.186	-0.895	0.021
11.5	0.619	14.635	0.0271	-0.0313	0.584	13.719	-0.916	-0.034
12.0	0.617	14.017	0.0270	-0.0314	0.584	13.135	-0.882	-0.033
12.5	0.570	13.400	0.0235	-0.0281	0.516	12.551	-0.849	-0.055
13.0	0.496	12.829	0.0208	-0.0250	0.458	12.035	-0.794	-0.032
13.5	0.522	12.339	0.0229	-0.0271	0.500	11.577	-0.762	-0.022
14.0	0.549	11.817	0.0230	-0.0273	0.503	11.077	-0.740	-0.046
14.5	0.341	11.268	0.0130	-0.0175	0.308	10.574	-0.694	-0.033
15.0	0.311	10.927	0.0108	-0.0154	0.262	10.266	-0.661	-0.049
15.5	0.216	10.616	0.0060	-0.0105	0.163	10.004	-0.612	-0.031
16.0	0.235	10.400	0.0090	-0.0136	0.228	9.839	-0.561	-0.007
16.5	0.341	10.165	0.0139	-0.0182	0.320	9.611	-0.554	-0.021
17.0	0.387	9.924	0.0157	-0.0203	0.360	9.391	-0.533	-0.027
17.5	0.295	9.437	0.0119	-0.0164	0.283	8.931	-0.506	-0.012
18.0	0.291	9.142	0.0127	-0.0171	0.298	8.648	-0.494	0.007
18.5	0.278	8.851	0.0064	-0.0134	0.214	8.350	-0.501	-0.060
19.0	0.179	8.573	0.0032	-0.0074	0.106	8.132	-0.441	-0.073
19.5	0.280	8.394	0.0105	-0.0153	0.258	8.026	-0.368	-0.022
20.0	0.408	8.114	0.0192	-0.0233	0.425	7.768	-0.346	0.017
20.5	0.734	7.706	0.0358	-0.0451	0.797	7.343	-0.363	0.025
21.0	0.763	6.972	0.0405	-0.0449	0.854	6.564	-0.388	0.091
21.5	0.746	6.209	0.0369	-0.0409	0.777	5.730	-0.479	0.031
22.0	0.737	5.463	0.0342	-0.0386	0.729	4.985	-0.510	-0.009
22.5	0.761	4.726	0.0347	-0.0388	0.735	4.223	-0.501	-0.026
23.0	0.773	3.965	0.0322	-0.0370	0.692	3.490	-0.475	-0.061
23.5	0.457	3.192	0.0196	-0.0238	0.431	2.798	-0.394	-0.026
24.0	0.502	2.733	0.0219	-0.0258	0.477	2.367	-0.366	-0.025
24.5	0.502	2.273	0.0219	-0.0258	0.477	1.890	-0.343	-0.025
25.0	0.475	1.731	0.0200	-0.0237	0.437	1.413	-0.318	-0.038
25.5	0.415	1.256	0.0168	-0.0209	0.377	0.975	-0.280	-0.038
26.0	0.324	0.881	0.0101	-0.0145	0.245	0.639	-0.242	-0.079
26.5	0.076	0.517	-0.0005	-0.0042	0.037	0.353	-0.164	-0.039
27.0	0.051	0.441	-0.0010	-0.0037	0.027	0.315	-0.126	-0.024
27.5	0.039	0.390	0.0004	-0.0054	0.055	0.289	-0.101	-0.031
28.0	0.118	0.301	0.0016	-0.0069	0.085	0.231	-0.070	-0.033
28.5	0.183	0.183	0.0047	-0.0099	0.146	0.146	-0.037	-0.037

CALIBRATION SHEET FOR INCLINOMETER

X-Y : A axis DATE : Dec. 12, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(1)	T/A(1)	T/A(1) -T/A(I)	A(1) -A(I)
	Sep. 11 1989		Dec 12, 1989					
0.5	0.220	23.431	0.0174	-0.0189	0.359	23.425	-0.006	0.139
1.0	0.182	23.211	0.0116	-0.0129	0.246	23.066	-0.145	0.064
1.5	0.149	23.029	0.0038	-0.0050	0.089	22.820	-0.209	-0.061
2.0	0.195	22.880	0.0122	-0.0135	0.257	22.732	-0.148	0.062
2.5	0.470	22.685	0.0237	-0.0248	0.485	22.475	-0.210	0.015
3.0	0.460	22.215	0.0221	-0.0231	0.452	21.990	-0.225	-0.008
3.5	0.446	21.755	0.0219	-0.0230	0.449	21.538	-0.217	0.003
4.0	0.461	21.309	0.0225	-0.0234	0.459	21.089	-0.220	-0.002
4.5	0.458	20.948	0.0229	-0.0240	0.469	20.630	-0.318	0.011
5.0	0.429	20.390	0.0185	-0.0195	0.381	20.161	-0.229	-0.048
5.5	0.346	19.955	0.0171	-0.0180	0.351	19.780	-0.181	0.005
6.0	0.387	19.615	0.0200	-0.0209	0.409	19.429	-0.186	0.022
6.5	0.429	19.228	0.0211	-0.0221	0.432	19.020	-0.208	0.003
7.0	0.431	18.799	0.0211	-0.0221	0.432	18.588	-0.211	0.001
7.5	0.428	18.368	0.0206	-0.0217	0.423	18.156	-0.212	-0.005
8.0	0.424	17.940	0.0206	-0.0227	0.431	17.733	-0.207	0.007
8.5	0.451	17.516	0.0222	-0.0231	0.453	17.302	-0.214	0.002
9.0	0.491	17.065	0.0244	-0.0253	0.497	16.849	-0.216	0.006
9.5	0.307	16.574	0.0247	-0.0255	0.502	16.352	-0.222	-0.005
10.0	0.505	16.067	0.0243	-0.0253	0.496	15.850	-0.217	-0.009
10.5	0.481	15.562	0.0230	-0.0238	0.468	15.354	-0.209	-0.013
11.0	0.445	15.081	0.0248	-0.0258	0.506	14.886	-0.195	0.060
11.5	0.618	14.635	0.0297	-0.0307	0.604	14.380	-0.255	-0.014
12.0	0.617	14.017	0.0304	-0.0313	0.617	13.776	-0.241	0.000
12.5	0.571	13.400	0.0261	-0.0271	0.532	13.159	-0.241	-0.039
13.0	0.490	12.829	0.0241	-0.0249	0.489	12.627	-0.202	-0.001
13.5	0.522	12.339	0.0268	-0.0278	0.546	12.138	-0.201	0.024
14.0	0.549	11.817	0.0230	-0.0246	0.476	11.592	-0.225	-0.073
14.5	0.341	11.268	0.0167	-0.0175	0.342	11.116	-0.152	0.001
15.0	0.311	10.927	0.0132	-0.0141	0.273	10.774	-0.153	-0.038
15.5	0.216	10.616	0.0094	-0.0103	0.197	10.501	-0.115	-0.019
16.0	0.235	10.400	0.0138	-0.0147	0.285	10.304	-0.096	0.050
16.5	0.342	10.145	0.0173	-0.0182	0.355	10.015	-0.144	0.014
17.0	0.367	9.824	0.0190	-0.0200	0.390	9.664	-0.160	0.003
17.5	0.295	9.437	0.0146	-0.0156	0.304	9.274	-0.163	0.009
18.0	0.251	9.142	0.0171	-0.0180	0.351	8.970	-0.172	0.060
18.5	0.278	8.851	0.0097	-0.0099	0.196	8.619	-0.232	-0.082
19.0	0.179	8.573	0.0077	-0.0083	0.160	8.423	-0.150	-0.019
19.5	0.280	8.394	0.0154	-0.0164	0.318	8.263	-0.131	0.038
20.0	0.405	8.114	0.0261	-0.0270	0.531	7.945	-0.169	0.123
20.5	0.734	7.706	0.0404	-0.0412	0.816	7.414	-0.292	0.082
21.0	0.763	6.972	0.0435	-0.0443	0.879	6.598	-0.374	0.115
21.5	0.746	6.209	0.0392	-0.0399	0.791	5.720	-0.489	0.045
22.0	0.737	5.463	0.0374	-0.0393	0.757	4.929	-0.534	0.020
22.5	0.761	4.726	0.0379	-0.0388	0.767	4.172	-0.554	0.006
23.0	0.773	3.965	0.0330	-0.0332	0.662	3.405	-0.560	-0.111
23.5	0.457	3.192	0.0198	-0.0238	0.436	2.743	-0.449	-0.021
24.0	0.502	2.735	0.0221	-0.0256	0.477	2.307	-0.428	-0.025
24.5	0.502	2.233	0.0213	-0.0252	0.470	1.830	-0.403	-0.032
25.0	0.475	1.731	0.0194	-0.0229	0.423	1.360	-0.371	-0.052
25.5	0.415	1.256	0.0163	-0.0199	0.362	0.937	-0.319	-0.053
26.0	0.324	0.841	0.0075	-0.0115	0.150	0.575	-0.266	-0.134
26.5	0.076	0.517	-0.0007	-0.0037	0.030	0.385	-0.132	-0.046
27.0	0.051	0.441	-0.0006	-0.0038	0.032	0.355	-0.086	-0.019
27.5	0.089	0.390	0.0008	-0.0065	0.063	0.323	-0.067	-0.026
28.0	0.118	0.301	0.0018	-0.0069	0.087	0.260	-0.041	-0.031
28.5	0.183	0.183	0.0060	-0.0113	0.173	0.173	-0.010	-0.010

CALCURATION SHEET FOR INCLINOMETER

X-3 ; A axis DATE : Jan. 8, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Sep. 11 1989		Jan. 8, 1990					
0.5	0.220	23.431	0.0167	-0.0166	0.333	23.677	0.246	0.113
1.0	0.182	23.211	0.0142	-0.0143	0.285	23.344	0.133	0.103
1.5	0.149	23.029	0.0064	-0.0070	0.134	23.059	0.030	-0.015
2.0	0.195	22.880	0.0092	-0.0104	0.196	22.925	0.045	0.001
2.5	0.470	22.685	0.0244	-0.0245	0.489	22.729	0.044	0.019
3.0	0.460	22.215	0.0233	-0.0235	0.465	22.240	0.025	0.006
3.5	0.446	21.755	0.0224	-0.0228	0.452	21.772	0.017	0.005
4.0	0.461	21.309	0.0229	-0.0230	0.459	21.320	0.011	-0.002
4.5	0.458	20.848	0.0231	-0.0234	0.465	20.861	0.013	0.007
5.0	0.429	20.390	0.0202	-0.0207	0.409	20.396	0.006	-0.020
5.5	0.346	19.961	0.0173	-0.0175	0.348	19.987	0.026	0.002
6.0	0.387	19.615	0.0199	-0.0201	0.400	19.639	0.024	0.013
6.5	0.429	19.228	0.0216	-0.0216	0.432	19.239	0.011	0.003
7.0	0.431	18.799	0.0215	-0.0217	0.432	18.807	0.008	0.001
7.5	0.428	18.368	0.0213	-0.0213	0.426	18.375	0.007	-0.002
8.0	0.424	17.940	0.0214	-0.0222	0.436	17.949	0.009	0.012
8.5	0.451	17.516	0.0224	-0.0224	0.448	17.513	-0.003	-0.003
9.0	0.491	17.065	0.0246	-0.0246	0.492	17.065	0.000	0.001
9.5	0.507	16.574	0.0250	-0.0252	0.502	16.573	-0.001	-0.005
10.0	0.505	16.067	0.0249	-0.0249	0.498	16.071	0.004	-0.007
10.5	0.481	15.562	0.0238	-0.0239	0.477	15.573	0.011	-0.004
11.0	0.446	15.081	0.0242	-0.0243	0.465	15.096	0.015	0.039
11.5	0.618	14.635	0.0305	-0.0306	0.611	14.611	-0.024	-0.007
12.0	0.617	14.017	0.0310	-0.0309	0.619	14.000	-0.017	0.002
12.5	0.571	13.400	0.0273	-0.0275	0.548	13.381	-0.019	-0.023
13.0	0.490	12.829	0.0247	-0.0344	0.691	12.833	0.004	0.101
13.5	0.522	12.339	0.0257	-0.0265	0.532	12.242	-0.097	0.010
14.0	0.549	11.817	0.0259	-0.0263	0.522	11.710	-0.107	-0.027
14.5	0.341	11.268	0.0172	-0.0172	0.344	11.185	-0.083	0.003
15.0	0.311	10.927	0.0146	-0.0146	0.292	10.844	-0.083	-0.019
15.5	0.216	10.616	0.0099	-0.0099	0.198	10.552	-0.064	-0.018
16.0	0.235	10.400	0.0131	-0.0131	0.262	10.354	-0.046	0.027
16.5	0.341	10.165	0.0178	-0.0178	0.356	10.092	-0.073	0.015
17.0	0.387	9.824	0.0197	-0.0196	0.393	9.756	-0.068	0.006
17.5	0.298	9.437	0.0158	-0.0158	0.316	9.343	-0.094	0.021
18.0	0.291	9.142	0.0171	-0.0169	0.340	9.027	-0.115	0.049
18.5	0.278	8.851	0.0122	-0.0121	0.243	8.687	-0.164	-0.035
19.0	0.179	8.573	0.0069	-0.0069	0.139	8.444	-0.129	-0.041
19.5	0.280	8.394	0.0147	-0.0145	0.292	8.306	-0.088	0.012
20.0	0.408	8.114	0.0229	-0.0235	0.464	8.014	-0.100	0.056
20.5	0.734	7.706	0.0398	-0.0398	0.796	7.550	-0.156	0.062
21.0	0.763	6.972	0.0454	-0.0455	0.909	6.754	-0.218	0.146
21.5	0.746	6.209	0.0408	-0.0408	0.816	5.845	-0.364	0.070
22.0	0.737	5.463	0.0381	-0.0380	0.761	5.029	-0.434	0.024
22.5	0.761	4.726	0.0383	-0.0384	0.767	4.268	-0.458	0.006
23.0	0.773	3.965	0.0389	-0.0362	0.721	3.501	-0.464	-0.052
23.5	0.437	3.192	0.0200	-0.0226	0.426	2.780	-0.412	-0.031
24.0	0.502	2.735	0.0252	-0.0250	0.472	2.354	-0.381	-0.030
24.5	0.502	2.233	0.0224	-0.0250	0.474	1.882	-0.351	-0.028
25.0	0.475	1.731	0.0203	-0.0230	0.433	1.403	-0.323	-0.042
25.5	0.415	1.256	0.0172	-0.0199	0.371	0.975	-0.281	-0.044
26.0	0.324	0.841	0.0107	-0.0134	0.241	0.604	-0.237	-0.083
26.5	0.076	0.517	0.0000	-0.0035	0.035	0.363	-0.154	-0.041
27.0	0.051	0.441	-0.0002	-0.0032	0.030	0.328	-0.113	-0.021
27.5	0.089	0.390	0.0012	-0.0049	0.061	0.298	-0.092	-0.028
28.0	0.118	0.301	0.0023	-0.0062	0.085	0.237	-0.064	-0.033
28.5	0.183	0.183	0.0054	-0.0098	0.152	0.152	-0.031	-0.031

CALIBRATION SHEET FOR INCLINOMETER

X-3 : A axis DATE : Jan 19, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(P)	T/A(P)	T/A(P) -T/A(I)	A(P) -A(I)
	Sep. 11 1989		Jan. 19, 1990					
0.5	0.220	23.431	0.0152	-0.0155	0.307	23.019	0.368	0.087
1.0	0.182	23.211	0.0127	-0.0128	0.255	23.512	0.301	0.073
1.5	0.149	23.029	0.0056	-0.0062	0.118	23.257	0.228	-0.031
2.0	0.195	22.580	0.0096	-0.0110	0.206	23.139	0.259	0.011
2.5	0.470	22.695	0.0244	-0.0249	0.492	22.933	0.248	0.022
3.0	0.460	22.219	0.0231	-0.0234	0.465	22.441	0.226	0.005
3.5	0.446	21.755	0.0224	-0.0228	0.452	21.976	0.221	0.006
4.0	0.461	21.309	0.0229	-0.0231	0.459	21.524	0.215	-0.002
4.5	0.458	20.848	0.0227	-0.0234	0.461	21.065	0.217	0.003
5.0	0.429	20.390	0.0200	-0.0203	0.403	20.604	0.214	-0.026
5.5	0.346	19.961	0.0170	-0.0175	0.345	20.201	0.240	-0.001
6.0	0.387	19.615	0.0199	-0.0204	0.403	19.855	0.241	0.016
6.5	0.429	19.229	0.0214	-0.0218	0.432	19.453	0.225	0.003
7.0	0.431	18.799	0.0215	-0.0219	0.434	19.021	0.222	0.003
7.5	0.428	18.368	0.0211	-0.0214	0.425	18.587	0.219	-0.003
8.0	0.424	17.940	0.0209	-0.0213	0.422	18.162	0.222	0.008
8.5	0.451	17.516	0.0222	-0.0226	0.448	17.730	0.214	-0.003
9.0	0.491	17.065	0.0246	-0.0249	0.494	17.262	0.217	0.003
9.5	0.507	16.574	0.0250	-0.0253	0.503	16.798	0.214	-0.004
10.0	0.505	16.067	0.0247	-0.0251	0.498	16.285	0.218	-0.007
10.5	0.491	15.562	0.0233	-0.0237	0.470	15.787	0.225	-0.011
11.0	0.446	15.081	0.0239	-0.0244	0.483	15.317	0.236	0.037
11.5	0.618	14.535	0.0303	-0.0306	0.609	14.834	0.199	-0.009
12.0	0.617	14.017	0.0309	-0.0310	0.619	14.225	0.208	0.002
12.5	0.571	13.400	0.0269	-0.0272	0.541	13.606	0.206	-0.030
13.0	0.490	12.829	0.0246	-0.0247	0.495	13.065	0.236	0.003
13.5	0.522	12.339	0.0265	-0.0271	0.535	12.572	0.233	0.014
14.0	0.549	11.817	0.0233	-0.0260	0.493	12.036	0.219	-0.056
14.5	0.341	11.268	0.0173	-0.0173	0.344	11.543	0.275	0.003
15.0	0.311	10.927	0.0143	-0.0145	0.288	11.199	0.272	-0.023
15.5	0.256	10.616	0.0099	-0.0100	0.199	10.911	0.295	-0.017
16.0	0.235	10.400	0.0130	-0.0136	0.266	10.712	0.312	0.031
16.5	0.341	10.165	0.0177	-0.0178	0.353	10.446	0.281	0.014
17.0	0.387	9.824	0.0196	-0.0200	0.394	10.091	0.267	0.007
17.5	0.295	9.437	0.0155	-0.0157	0.312	9.697	0.260	0.017
18.0	0.291	9.142	0.0173	-0.0173	0.344	9.385	0.243	0.053
18.5	0.278	8.851	0.0116	-0.0120	0.236	9.041	0.190	-0.042
19.0	0.179	8.673	0.0067	-0.0071	0.138	8.905	0.232	-0.041
19.5	0.280	8.394	0.0148	-0.0152	0.300	8.667	0.273	0.020
20.0	0.408	8.114	0.0234	-0.0239	0.473	8.367	0.253	0.065
20.5	0.734	7.706	0.0403	-0.0404	0.806	7.894	0.188	0.072
21.0	0.763	6.972	0.0451	-0.0455	0.906	7.088	0.116	0.143
21.5	0.746	6.209	0.0407	-0.0406	0.813	6.182	-0.027	0.067
22.0	0.737	5.463	0.0393	-0.0395	0.786	5.369	-0.094	0.029
22.5	0.761	4.726	0.0382	-0.0384	0.766	4.603	-0.123	0.005
23.0	0.773	3.965	0.0356	-0.0353	0.709	3.837	-0.128	-0.064
23.5	0.457	3.192	0.0226	-0.0230	0.456	3.128	-0.064	-0.001
24.0	0.502	2.735	0.0230	-0.0237	0.502	2.672	-0.063	0.000
24.5	0.502	2.233	0.0249	-0.0253	0.502	2.170	-0.063	0.000
25.0	0.475	1.731	0.0228	-0.0230	0.458	1.665	-0.063	-0.017
25.5	0.415	1.254	0.0200	-0.0202	0.402	1.210	-0.044	-0.013
26.0	0.324	0.841	0.0129	-0.0134	0.253	0.908	-0.033	-0.061
26.5	0.076	0.517	0.0033	-0.0036	0.069	0.545	0.028	-0.007
27.0	0.051	0.441	0.0029	-0.0034	0.063	0.476	0.035	0.012
27.5	0.059	0.390	0.0047	-0.0049	0.096	0.413	0.023	0.007
28.0	0.138	0.301	0.0059	-0.0064	0.123	0.317	0.016	0.005
28.5	0.133	0.133	0.0097	-0.0097	0.194	0.194	0.011	0.011

CALCURATION SHEET FOR INCLINOMETER

X-3 : A axis DATE : Feb. 26, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Sep. 11 1989		Feb. 26, 1990					
0.5	0.220	23.431	0.0210	-0.0208	0.418	23.805	0.374	0.198
1.0	0.182	23.211	0.0170	-0.0167	0.337	23.387	0.176	0.155
1.5	0.149	23.029	0.0074	-0.0075	0.149	23.050	0.021	0.000
2.0	0.195	22.880	0.0092	-0.0090	0.182	22.901	0.021	-0.013
2.5	0.470	22.685	0.0255	-0.0254	0.509	22.719	0.034	0.039
3.0	0.460	22.215	0.0240	-0.0240	0.460	22.210	-0.005	0.020
3.5	0.446	21.755	0.0228	-0.0228	0.456	21.730	-0.025	0.010
4.0	0.461	21.309	0.0229	-0.0230	0.459	21.274	-0.035	-0.002
4.5	0.438	20.848	0.0227	-0.0226	0.453	20.815	-0.033	-0.005
5.0	0.429	20.390	0.0200	-0.0201	0.401	20.362	-0.028	-0.028
5.5	0.346	19.961	0.0176	-0.0174	0.350	19.961	0.000	0.004
6.0	0.387	19.615	0.0199	-0.0200	0.399	19.611	-0.004	0.012
6.5	0.429	19.228	0.0216	-0.0216	0.432	19.212	-0.016	0.003
7.0	0.431	18.799	0.0218	-0.0219	0.437	18.780	-0.019	0.006
7.5	0.426	18.369	0.0213	-0.0214	0.427	18.345	-0.025	-0.001
8.0	0.424	17.940	0.0215	-0.0219	0.434	17.916	-0.024	0.010
8.5	0.451	17.516	0.0224	-0.0226	0.450	17.482	-0.034	-0.001
9.0	0.491	17.065	0.0246	-0.0246	0.492	17.032	-0.033	0.001
9.5	0.507	16.579	0.0250	-0.0248	0.498	16.540	-0.034	-0.009
10.0	0.505	16.067	0.0249	-0.0250	0.499	16.042	-0.025	-0.006
10.5	0.481	15.562	0.0240	-0.0238	0.478	15.543	-0.019	-0.003
11.0	0.446	15.021	0.0242	-0.0246	0.488	15.065	-0.016	0.042
11.5	0.618	14.635	0.0305	-0.0304	0.609	14.577	-0.058	-0.009
12.0	0.617	14.017	0.0310	-0.0307	0.617	13.968	-0.049	0.000
12.5	0.571	13.400	0.0274	-0.0272	0.546	13.351	-0.049	-0.025
13.0	0.490	12.829	0.0248	-0.0244	0.492	12.803	-0.024	0.002
13.5	0.522	12.339	0.0268	-0.0263	0.536	12.303	-0.026	0.014
14.0	0.549	11.817	0.0263	-0.0259	0.522	11.777	-0.040	-0.027
14.5	0.341	11.258	0.0173	-0.0172	0.345	11.255	-0.013	0.004
15.0	0.311	10.927	0.0148	-0.0146	0.294	10.910	-0.017	-0.017
15.5	0.216	10.616	0.0101	-0.0099	0.200	10.616	0.000	-0.016
16.0	0.235	10.400	0.0132	-0.0130	0.262	10.416	0.016	0.027
16.5	0.341	10.165	0.0180	-0.0178	0.358	10.154	-0.011	0.017
17.0	0.387	9.824	0.0199	-0.0195	0.397	9.796	-0.028	0.010
17.5	0.295	9.437	0.0158	-0.0159	0.316	9.399	-0.038	0.021
18.0	0.291	9.147	0.0174	-0.0172	0.346	9.093	-0.059	0.055
18.5	0.278	8.851	0.0122	-0.0126	0.249	8.737	-0.114	-0.030
19.0	0.179	8.573	0.0068	-0.0067	0.135	8.489	-0.084	-0.044
19.5	0.280	8.394	0.0146	-0.0147	0.293	8.354	-0.040	0.013
20.0	0.408	8.114	0.0235	-0.0228	0.463	8.061	-0.053	0.055
20.5	0.734	7.706	0.0421	-0.0416	0.837	7.598	-0.108	0.103
21.0	0.763	6.972	0.0496	-0.0493	0.971	6.761	-0.211	0.228
21.5	0.746	6.209	0.0422	-0.0421	0.843	5.770	-0.439	0.097
22.0	0.737	5.463	0.0382	-0.0382	0.764	4.927	-0.536	0.027
22.5	0.761	4.726	0.0383	-0.0381	0.764	4.363	-0.563	-0.097
23.0	0.773	3.965	0.0362	-0.0358	0.720	3.499	-0.466	-0.053
23.5	0.457	3.192	0.0201	-0.0228	0.429	2.779	-0.413	-0.028
24.0	0.502	2.735	0.0225	-0.0251	0.476	2.360	-0.375	-0.026
24.5	0.502	2.233	0.0224	-0.0251	0.476	1.874	-0.359	-0.027
25.0	0.475	1.731	0.0203	-0.0228	0.431	1.399	-0.332	-0.044
25.5	0.415	1.256	0.0173	-0.0202	0.375	0.968	-0.288	-0.040
26.0	0.324	0.843	0.0099	-0.0134	0.273	0.595	-0.248	-0.091
26.5	0.076	0.517	0.0001	-0.0035	0.036	0.360	-0.157	-0.040
27.0	0.031	0.441	-0.0001	-0.0033	0.031	0.324	-0.117	-0.020
27.5	0.089	0.390	0.0013	-0.0048	0.061	0.293	-0.097	-0.028
28.0	0.115	0.301	0.0022	-0.0060	0.084	0.232	-0.069	-0.034
28.5	0.143	0.183	0.0054	-0.0094	0.148	0.148	-0.035	-0.035

CALCULATION SHEET FOR INCLINOMETER

X-3 : A axis DATE :MCH, 21 1990

DEPTH	A(I) Sep. 11 1989	T/A(I)	A(0) Mch. 26,1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	0.220	23.431	0.0206	-0.0205	0.411	24.553	1.122	0.191
1.0	0.182	23.211	0.0175	-0.0175	0.350	24.142	0.931	0.168
1.5	0.149	23.029	0.0089	-0.0096	0.185	23.792	0.763	0.036
2.0	0.195	22.880	0.0099	-0.0101	0.200	23.607	0.727	0.005
2.5	0.470	22.685	0.0266	-0.0266	0.532	23.407	0.722	0.062
3.0	0.460	22.215	0.0248	-0.0245	0.493	22.875	0.660	0.033
3.5	0.446	21.755	0.0231	-0.0233	0.464	22.382	0.627	0.018
4.0	0.461	21.309	0.0230	-0.0233	0.463	21.918	0.609	0.002
4.5	0.458	20.848	0.0222	-0.0231	0.453	21.455	0.607	-0.005
5.0	0.429	20.390	0.0201	-0.0201	0.402	21.002	0.612	-0.027
5.5	0.346	19.961	0.0177	-0.0177	0.354	20.600	0.639	0.008
6.0	0.387	19.615	0.0201	-0.0200	0.401	20.246	0.631	0.014
6.5	0.429	19.228	0.0218	-0.0217	0.435	19.845	0.617	0.006
7.0	0.431	18.799	0.0218	-0.0218	0.436	19.410	0.611	0.005
7.5	0.428	18.368	0.0215	-0.0214	0.429	18.974	0.606	0.001
8.0	0.424	17.940	0.0208	-0.0220	0.428	18.545	0.605	0.004
8.5	0.451	17.516	0.0227	-0.0224	0.451	18.117	0.601	0.000
9.0	0.491	17.065	0.0247	-0.0246	0.493	17.666	0.601	0.002
9.5	0.507	16.574	0.0250	-0.0249	0.499	17.173	0.599	-0.008
10.0	0.505	16.067	0.0251	-0.0250	0.501	16.674	0.607	-0.004
10.5	0.481	15.562	0.0240	-0.0241	0.481	16.173	0.611	0.000
11.0	0.446	15.081	0.0243	-0.0239	0.482	15.692	0.611	0.036
11.5	0.618	14.635	0.0306	-0.0304	0.610	15.210	0.575	-0.008
12.0	0.617	14.017	0.0311	-0.0309	0.620	14.600	0.583	0.003
12.5	0.571	13.400	0.0273	-0.0274	0.547	13.980	0.580	-0.024
13.0	0.490	12.829	0.0248	-0.0245	0.493	13.433	0.604	0.003
13.5	0.522	12.339	0.0270	-0.0266	0.536	12.940	0.601	0.014
14.0	0.549	11.817	0.0248	-0.0262	0.510	12.404	0.587	-0.039
14.5	0.341	11.268	0.0174	-0.0172	0.346	11.894	0.626	0.005
15.0	0.311	10.927	0.0147	-0.0146	0.293	11.548	0.621	-0.018
15.5	0.216	10.616	0.0100	-0.0098	0.198	11.255	0.639	-0.018
16.0	0.235	10.400	0.0136	-0.0134	0.270	11.057	0.657	0.035
16.5	0.341	10.165	0.0181	-0.0177	0.358	10.787	0.622	0.017
17.0	0.387	9.824	0.0201	-0.0197	0.398	10.429	0.605	0.011
17.5	0.295	9.437	0.0159	-0.0156	0.315	10.031	0.594	0.020
18.0	0.291	9.142	0.0170	-0.0170	0.340	9.716	0.574	0.049
18.5	0.278	8.851	0.0124	-0.0130	0.254	9.376	0.525	-0.024
19.0	0.179	8.573	0.0068	-0.0065	0.133	9.122	0.549	-0.046
19.5	0.280	8.394	0.0149	-0.0143	0.292	8.989	0.595	0.012
20.0	0.408	8.114	0.0227	-0.0227	0.454	8.697	0.583	0.046
20.5	0.734	7.706	0.0442	-0.0433	0.875	8.243	0.537	0.141
21.0	0.763	6.972	0.0557	-0.0556	1.113	7.368	0.396	0.350
21.5	0.746	6.209	0.0447	-0.0443	0.890	6.255	0.046	0.144
22.0	0.737	5.463	0.0385	-0.0380	0.765	5.365	-0.098	0.028
22.5	0.761	4.726	0.0379	-0.0378	0.757	4.600	-0.126	-0.004
23.0	0.773	3.965	0.0358	-0.0347	0.705	3.843	-0.122	-0.068
23.5	0.457	3.192	0.0234	-0.0229	0.463	3.138	-0.054	0.006
24.0	0.502	2.735	0.0254	-0.0251	0.505	2.675	-0.060	0.003
24.5	0.502	2.233	0.0253	-0.0250	0.503	2.170	-0.063	0.001
25.0	0.475	1.731	0.0229	-0.0228	0.457	1.667	-0.064	-0.018
25.5	0.415	1.256	0.0202	-0.0199	0.401	1.210	-0.046	-0.014
26.0	0.324	0.841	0.0134	-0.0132	0.266	0.809	-0.032	-0.058
26.5	0.076	0.517	0.0035	-0.0031	0.066	0.543	0.026	-0.010
27.0	0.051	0.441	0.0035	-0.0032	0.067	0.477	0.036	0.016
27.5	0.089	0.390	0.0051	-0.0049	0.100	0.410	0.020	0.011
28.0	0.118	0.301	0.0064	-0.0060	0.124	0.310	0.009	0.006
28.5	0.183	0.183	0.0094	-0.0092	0.186	0.186	0.003	0.003

CALCULATION SHEET FOR INCLINOMETER

X-3 : A axis DATE :APR. 23, 1990

DEPTH	A(I) Sep. 11 1989	T/A(I)	A(0) Apr. 23, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	0.220	23.431	0.0185	-0.0185	0.370	24.325	0.894	0.150
1.0	0.182	23.211	0.0147	-0.0148	0.295	23.955	0.744	0.113
1.5	0.149	23.029	0.0047	-0.0053	0.100	23.660	0.631	-0.049
2.0	0.195	22.880	0.0132	-0.0129	0.261	23.560	0.680	0.066
2.5	0.470	22.685	0.0265	-0.0267	0.532	23.299	0.614	0.062
3.0	0.460	22.215	0.0238	-0.0241	0.479	22.767	0.552	0.019
3.5	0.446	21.755	0.0229	-0.0219	0.448	22.288	0.533	0.002
4.0	0.461	21.309	0.0225	-0.0229	0.454	21.840	0.531	-0.007
4.5	0.458	20.848	0.0227	-0.0228	0.455	21.386	0.538	-0.003
5.0	0.429	20.390	0.0185	-0.0192	0.377	20.931	0.541	-0.052
5.5	0.346	19.961	0.0177	-0.0179	0.356	20.554	0.593	0.010
6.0	0.387	19.615	0.0205	-0.0205	0.410	20.198	0.583	0.023
6.5	0.429	19.228	0.0216	-0.0220	0.436	19.788	0.560	0.007
7.0	0.431	18.799	0.0218	-0.0218	0.436	19.352	0.553	0.005
7.5	0.428	18.368	0.0212	-0.0215	0.427	18.916	0.548	-0.001
8.0	0.424	17.940	0.0216	-0.0221	0.437	18.489	0.549	0.013
8.5	0.451	17.516	0.0226	-0.0228	0.454	18.052	0.536	0.003
9.0	0.491	17.065	0.0246	-0.0249	0.495	17.598	0.533	0.004
9.5	0.507	16.574	0.0251	-0.0251	0.502	17.103	0.529	-0.005
10.0	0.505	16.067	0.0246	-0.0249	0.495	16.601	0.534	-0.010
10.5	0.481	15.582	0.0234	-0.0234	0.468	16.106	0.544	-0.013
11.0	0.446	15.081	0.0254	-0.0258	0.512	15.638	0.557	0.066
11.5	0.618	14.635	0.0302	-0.0304	0.606	15.126	0.491	-0.012
12.0	0.617	14.017	0.0309	-0.0309	0.618	14.520	0.503	0.001
12.5	0.571	13.400	0.0264	-0.0268	0.532	13.902	0.502	-0.039
13.0	0.490	12.829	0.0247	-0.0247	0.494	13.370	0.541	0.004
13.5	0.522	12.339	0.0272	-0.0275	0.547	12.876	0.537	0.025
14.0	0.549	11.817	0.0222	-0.0241	0.463	12.329	0.512	-0.086
14.5	0.341	11.268	0.0173	-0.0172	0.345	11.866	0.598	0.004
15.0	0.311	10.927	0.0134	-0.0136	0.270	11.521	0.594	-0.041
15.5	0.216	10.616	0.0098	-0.0098	0.196	11.251	0.635	-0.020
16.0	0.235	10.400	0.0144	-0.0146	0.290	11.055	0.655	0.055
16.5	0.341	10.165	0.0180	-0.0180	0.360	10.765	0.600	0.019
17.0	0.387	9.824	0.0196	-0.0198	0.394	10.405	0.581	0.007
17.5	0.295	9.437	0.0152	-0.0153	0.305	10.011	0.574	0.010
18.0	0.291	9.142	0.0181	-0.0180	0.361	9.706	0.564	0.070
18.5	0.278	8.851	0.0093	-0.0099	0.192	9.345	0.494	-0.086
19.0	0.179	8.573	0.0078	-0.0076	0.154	9.153	0.580	-0.025
19.5	0.280	8.394	0.0158	-0.0159	0.317	8.999	0.605	0.037
20.0	0.408	8.114	0.0269	-0.0261	0.530	8.682	0.568	0.122
20.5	0.734	7.706	0.0464	-0.0466	0.930	8.152	0.446	0.196
21.0	0.763	6.972	0.0548	-0.0550	1.098	7.222	0.250	0.335
21.5	0.746	6.209	0.0426	-0.0428	0.854	6.124	-0.085	0.108
22.0	0.737	5.463	0.0379	-0.0380	0.759	5.270	-0.193	0.022
22.5	0.761	4.726	0.0379	-0.0380	0.759	4.511	-0.215	-0.002
23.0	0.773	3.965	0.0322	-0.0322	0.644	3.752	-0.213	-0.129
23.5	0.457	3.192	0.0234	-0.0236	0.470	3.108	-0.084	0.013
24.0	0.502	2.735	0.0253	-0.0253	0.506	2.638	-0.097	0.004
24.5	0.502	2.233	0.0247	-0.0249	0.496	2.132	-0.101	-0.006
25.0	0.475	1.731	0.0223	-0.0223	0.446	1.636	-0.095	-0.029
25.5	0.415	1.256	0.0195	-0.0194	0.389	1.190	-0.066	-0.026
26.0	0.324	0.841	0.0109	-0.0113	0.222	0.801	-0.040	-0.102
26.5	0.076	0.517	0.0032	-0.0031	0.063	0.579	0.062	-0.013
27.0	0.051	0.441	0.0035	-0.0037	0.072	0.516	0.075	0.021
27.5	0.089	0.390	0.0052	-0.0052	0.104	0.444	0.054	0.015
28.0	0.118	0.301	0.0064	-0.0067	0.131	0.340	0.039	0.013
28.5	0.183	0.183	0.0104	-0.0105	0.209	0.209	0.026	0.026

CALCULATION SHEET FOR INCLINOMETER

X-3 : A axis DATE :MAY. 23, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Sep. 11 1989		May. 23, 1990					
0.5	0.220	23.431	0.0206	-0.0211	0.417	24.555	1.124	0.197
1.0	0.182	23.211	0.0176	-0.0183	0.359	24.138	0.927	0.177
1.5	0.149	23.029	0.0077	-0.0088	0.165	23.779	0.750	0.016
2.0	0.195	22.880	0.0090	-0.0101	0.191	23.614	0.734	-0.004
2.5	0.470	22.685	0.0266	-0.0272	0.538	23.423	0.738	0.068
3.0	0.460	22.215	0.0244	-0.0253	0.497	22.885	0.670	0.037
3.5	0.446	21.755	0.0230	-0.0235	0.465	22.388	0.633	0.019
4.0	0.461	21.309	0.0227	-0.0232	0.459	21.923	0.614	-0.002
4.5	0.458	20.848	0.0222	-0.0227	0.449	21.464	0.616	-0.009
5.0	0.429	20.390	0.0196	-0.0202	0.398	21.015	0.625	-0.031
5.5	0.346	19.961	0.0173	-0.0180	0.353	20.617	0.656	0.007
6.0	0.387	19.615	0.0198	-0.0204	0.402	20.264	0.649	0.015
6.5	0.429	19.228	0.0215	-0.0219	0.434	19.862	0.634	0.005
7.0	0.431	18.799	0.0216	-0.0221	0.437	19.428	0.629	0.006
7.5	0.428	18.368	0.0212	-0.0217	0.429	18.991	0.623	0.001
8.0	0.424	17.940	0.0214	-0.0223	0.437	18.562	0.622	0.013
8.5	0.451	17.516	0.0222	-0.0227	0.449	18.125	0.609	-0.002
9.0	0.491	17.065	0.0244	-0.0247	0.491	17.676	0.611	0.000
9.5	0.507	16.574	0.0246	-0.0252	0.498	17.185	0.611	-0.009
10.0	0.505	16.067	0.0247	-0.0251	0.498	16.687	0.620	-0.007
10.5	0.481	15.562	0.0234	-0.0240	0.474	16.189	0.627	-0.007
11.0	0.446	15.081	0.0240	-0.0243	0.483	15.715	0.634	0.037
11.5	0.618	14.635	0.0302	-0.0306	0.608	15.232	0.597	-0.010
12.0	0.617	14.017	0.0307	-0.0311	0.618	14.624	0.607	0.001
12.5	0.571	13.400	0.0272	-0.0276	0.548	14.006	0.606	-0.023
13.0	0.490	12.829	0.0245	-0.0250	0.495	13.458	0.629	0.005
13.5	0.522	12.339	0.0264	-0.0269	0.533	12.963	0.624	0.011
14.0	0.549	11.817	0.0260	-0.0265	0.525	12.430	0.613	-0.024
14.5	0.341	11.268	0.0171	-0.0176	0.347	11.905	0.637	0.006
15.0	0.311	10.927	0.0144	-0.0146	0.290	11.558	0.631	-0.021
15.5	0.216	10.616	0.0097	-0.0101	0.198	11.268	0.652	-0.018
16.0	0.235	10.400	0.0132	-0.0135	0.267	11.070	0.670	0.032
16.5	0.341	10.165	0.0177	-0.0181	0.358	10.803	0.638	0.017
17.0	0.387	9.824	0.0198	-0.0201	0.399	10.445	0.621	0.012
17.5	0.295	9.437	0.0155	-0.0160	0.315	10.046	0.609	0.020
18.0	0.291	9.142	0.0173	-0.0175	0.348	9.731	0.589	0.057
18.5	0.278	8.851	0.0124	-0.0126	0.250	9.383	0.532	-0.028
19.0	0.179	8.573	0.0062	-0.0065	0.127	9.133	0.560	-0.052
19.5	0,280	8.394	0.0144	-0.0147	0.291	9.006	0.612	0.011
20.0	0.408	8.114	0.0228	-0.0228	0.456	8.715	0.601	0.048
20.5	0.734	7.706	0.0444	-0.0445	0.889	8.259	0.553	0.155
21.0	0.763	6.972	0.0563	-0.0568	1.131	7.370	0.398	0.368
21.5	0.746	6.209	0.0444	-0.0449	0.893	6.239	0.030	0.147
22.0	0.737	5.463	0.0381	-0.0383	0.764	5.346	-0.117	0.027
22.5	0.761	4.726	0.0377	-0.0380	0.757	4.582	-0.144	-0.004
23.0	0.773	3.965	0.0342	-0.0354	0.696	3.825	-0.140	-0.077
23.5	0.457	3.192	0.0228	-0.0231	0.459	3.129	-0.063	0.002
24.0	0.502	2.735	0.0248	-0.0253	0.501	2.670	-0.065	-0.001
24.5	0.502	2.233	0.0249	-0.0252	0.501	2.169	-0.064	-0.001
25.0	0.475	1.731	0.0225	-0.0230	0.455	1.668	-0.063	-0.020
25.5	0.415	1.256	0.0198	-0.0201	0.399	1.213	-0.043	-0.016
26.0	0.324	0.841	0.0129	-0.0140	0.269	0.814	-0.027	-0.055
26.5	0.076	0.517	0.0030	-0.0036	0.066	0.545	0.028	-0.010
27.0	0.051	0.441	0.0031	-0.0034	0.065	0.479	0.038	0.014
27.5	0.069	0.390	0.0048	-0.0053	0.101	0.414	0.024	0.012
28.0	0.118	0.301	0.0031	-0.0064	0.125	0.313	0.012	0.007
28.5	0.183	0.183	0.0092	-0.0096	0.188	0.188	0.005	0.005

CALCULATION SHEET FOR INCLINOMETER

X-3 : A axis DATE :JUNE. 19, 1990

DEPTH	A(I) Sep. 11 1989	T/A(I)	A(0) June. 19 ,1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	0.220	23.431	0.0196	-0.0199	0.395	24.149	0.718	0.175
1.0	0.182	23.211	0.0169	-0.0175	0.344	23.754	0.543	0.162
1.5	0.149	23.029	0.0068	-0.0073	0.141	23.410	0.381	-0.008
2.0	0.195	22.880	0.0090	-0.0098	0.188	23.269	0.389	-0.007
2.5	0.470	22.685	0.0264	-0.0272	0.536	23.081	0.396	0.066
3.0	0.460	22.215	0.0243	-0.0250	0.493	22.545	0.330	0.033
3.5	0.446	21.755	0.0226	-0.0235	0.461	22.052	0.297	0.015
4.0	0.461	21.309	0.0225	-0.0232	0.457	21.591	0.282	-0.004
4.5	0.458	20.848	0.0221	-0.0229	0.450	21.134	0.286	-0.008
5.0	0.429	20.390	0.0194	-0.0205	0.399	20.684	0.294	-0.030
5.5	0.346	19.961	0.0172	-0.0179	0.351	20.285	0.324	0.005
6.0	0.387	19.615	0.0199	-0.0207	0.406	19.934	0.319	0.019
6.5	0.429	19.228	0.0215	-0.0222	0.437	19.528	0.300	0.008
7.0	0.431	18.799	0.0215	-0.0224	0.439	19.091	0.292	0.008
7.5	0.428	18.368	0.0212	-0.0219	0.431	18.652	0.284	0.003
8.0	0.424	17.940	0.0212	-0.0223	0.435	18.221	0.281	0.011
8.5	0.451	17.516	0.0222	-0.0228	0.450	17.786	0.270	-0.001
9.0	0.491	17.065	0.0242	-0.0249	0.491	17.336	0.271	0.000
9.5	0.507	16.574	0.0247	-0.0254	0.501	16.845	0.271	-0.006
10.0	0.505	16.067	0.0247	-0.0252	0.499	16.344	0.277	-0.006
10.5	0.481	15.562	0.0234	-0.0240	0.474	15.845	0.283	-0.007
11.0	0.446	15.081	0.0238	-0.0244	0.482	15.371	0.290	0.036
11.5	0.618	14.635	0.0301	-0.0308	0.609	14.889	0.254	-0.009
12.0	0.617	14.017	0.0308	-0.0313	0.621	14.280	0.263	0.004
12.5	0.571	13.400	0.0272	-0.0278	0.550	13.659	0.259	-0.021
13.0	0.490	12.829	0.0245	-0.0250	0.495	13.109	0.280	0.005
13.5	0.522	12.339	0.0265	-0.0272	0.537	12.614	0.275	0.015
14.0	0.549	11.817	0.0236	-0.0264	0.500	12.077	0.260	-0.049
14.5	0.341	11.268	0.0172	-0.0178	0.350	11.577	0.309	0.009
15.0	0.311	10.927	0.0140	-0.0148	0.288	11.227	0.300	-0.023
15.5	0.216	10.616	0.0097	-0.0102	0.199	10.939	0.323	-0.017
16.0	0.235	10.400	0.0132	-0.0138	0.270	10.740	0.340	0.035
16.5	0.341	10.165	0.0177	-0.0182	0.359	10.470	0.305	0.018
17.0	0.387	9.824	0.0197	-0.0203	0.400	10.111	0.287	0.013
17.5	0.295	9.437	0.0154	-0.0160	0.314	9.711	0.274	0.019
18.0	0.291	9.142	0.0172	-0.0176	0.348	9.397	0.255	0.057
18.5	0.278	8.851	0.0120	-0.0127	0.247	9.049	0.198	-0.031
19.0	0.179	8.573	0.0062	-0.0069	0.131	8.802	0.229	-0.048
19.5	0.280	8.394	0.0146	-0.0150	0.296	8.671	0.277	0.016
20.0	0.408	8.114	0.0220	-0.0232	0.452	8.375	0.261	0.044
20.5	0.734	7.706	0.0447	-0.0448	0.895	7.923	0.217	0.161
21.0	0.763	6.972	0.0563	-0.0568	1.131	7.028	0.056	0.368
21.5	0.746	6.209	0.0445	-0.0452	0.897	5.897	-0.312	0.151
22.0	0.737	5.463	0.0381	-0.0386	0.767	5.000	-0.463	0.030
22.5	0.761	4.726	0.0376	-0.0382	0.758	4.233	-0.493	-0.003
23.0	0.773	3.965	0.0350	-0.0351	0.701	3.475	-0.490	-0.072
23.5	0.457	3.192	0.0198	-0.0231	0.429	2.774	-0.418	-0.028
24.0	0.502	2.735	0.0219	-0.0256	0.475	2.345	-0.390	-0.027
24.5	0.502	2.233	0.0222	-0.0252	0.474	1.870	-0.363	-0.028
25.0	0.475	1.731	0.0195	-0.0231	0.426	1.396	-0.335	-0.049
25.5	0.415	1.256	0.0168	-0.0204	0.372	0.970	-0.286	-0.043
26.0	0.324	0.841	0.0095	-0.0143	0.238	0.598	-0.243	-0.086
26.5	0.076	0.517	-0.0005	-0.0037	0.032	0.360	-0.157	-0.044
27.0	0.051	0.441	-0.0005	-0.0036	0.031	0.328	-0.113	-0.020
27.5	0.089	0.390	0.0009	-0.0054	0.063	0.297	-0.093	-0.026
28.0	0.118	0.301	0.0019	-0.0067	0.086	0.234	-0.067	-0.032
28.5	0.183	0.183	0.0050	-0.0098	0.148	0.148	-0.035	-0.035

INITIAL READING OF INCLINOMETERS

HOLE No. X-4 DATE : Oct. 9, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	-0.0425	0.0425	-0.850	-39.387	-0.0220	0.0272	-0.492	-5.069
1.0	-0.0466	0.0464	-0.930	-38.537	-0.0210	0.0263	-0.473	-4.577
1.5	-0.0487	0.0484	-0.971	-37.607	-0.0131	0.0184	-0.315	-4.104
2.0	-0.0508	0.0507	-1.015	-36.635	-0.0067	0.0121	-0.188	-3.789
2.5	-0.0543	0.0541	-1.084	-35.621	-0.0024	0.0077	-0.101	-3.601
3.0	-0.0568	0.0567	-1.135	-34.537	0.0026	0.0025	0.003	-3.500
3.5	-0.0555	0.0552	-1.107	-33.402	0.0065	-0.0014	0.079	-3.503
4.0	-0.0523	0.0527	-1.055	-32.295	0.0035	0.0019	0.016	-3.532
4.5	-0.0514	0.0512	-1.026	-31.240	0.0013	0.0038	-0.025	-3.598
5.0	-0.0498	0.0493	-0.993	-30.214	0.0007	0.0048	-0.041	-3.573
5.5	-0.0489	0.0487	-0.975	-29.221	-0.0009	0.0062	-0.071	-3.532
6.0	-0.0489	0.0489	-0.977	-28.246	-0.0019	0.0069	-0.068	-3.461
6.5	-0.0454	0.0450	-0.904	-27.269	-0.0024	0.0075	-0.099	-3.373
7.0	-0.0403	0.0399	-0.802	-26.365	-0.0024	0.0077	-0.101	-3.274
7.5	-0.0390	0.0388	-0.778	-25.563	-0.0017	0.0072	-0.089	-3.173
8.0	-0.0367	0.0364	-0.731	-24.785	-0.0011	0.0064	-0.075	-3.084
8.5	-0.0317	0.0317	-0.634	-24.054	-0.0011	0.0065	-0.076	-3.009
9.0	-0.0308	0.0309	-0.616	-23.420	-0.0010	0.0063	-0.073	-2.933
9.5	-0.0563	0.0565	-1.129	-22.804	-0.0036	0.0089	-0.125	-2.860
10.0	-0.0687	0.0687	-1.374	-21.675	-0.0066	0.0120	-0.186	-2.735
10.5	-0.0726	0.0724	-1.450	-20.301	-0.0082	0.0134	-0.216	-2.549
11.0	-0.0724	0.0723	-1.447	-18.851	-0.0073	0.0129	-0.201	-2.333
11.5	-0.0689	0.0687	-1.376	-17.404	-0.0066	0.0118	-0.184	-2.132
12.0	-0.0640	0.0639	-1.279	-16.028	-0.0063	0.0113	-0.176	-1.948
12.5	-0.0636	0.0632	-1.268	-14.749	-0.0042	0.0092	-0.134	-1.772
13.0	-0.0624	0.0622	-1.246	-13.481	-0.0044	0.0096	-0.140	-1.638
13.5	-0.0621	0.0620	-1.241	-12.235	-0.0065	0.0118	-0.183	-1.498
14.0	-0.0626	0.0626	-1.254	-10.994	-0.0077	0.0129	-0.206	-1.315
14.5	-0.0639	0.0637	-1.276	-9.740	-0.0079	0.0131	-0.210	-1.109
15.0	-0.0640	0.0638	-1.278	-8.464	-0.0088	0.0137	-0.225	-0.899
15.5	-0.0618	0.0611	-1.229	-7.186	-0.0033	0.0080	-0.113	-0.674
16.0	-0.0602	0.0599	-1.201	-5.957	-0.0026	0.0079	-0.105	-0.561
16.5	-0.0588	0.0585	-1.173	-4.756	-0.0041	0.0093	-0.134	-0.456
17.0	-0.0591	0.0589	-1.180	-3.583	-0.0037	0.0090	-0.127	-0.322
17.5	-0.0602	0.0597	-1.199	-2.403	-0.0026	0.0079	-0.105	-0.195
18.0	-0.0603	0.0601	-1.204	-1.204	-0.0019	0.0071	-0.090	-0.090

CALCURATION SHEET FOR INCLINOMETER

X-4 : A axis DATE : Nov. 23, 1989

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Oct. 9 1989		Nov. 23, 1989					
0.5	-0.850	-39.387	-0.0430	0.0419	-0.849	-39.415	-0.028	0.001
1.0	-0.930	-38.537	-0.0476	0.0463	-0.939	-38.566	-0.029	-0.009
1.5	-0.971	-37.607	-0.0495	0.0482	-0.977	-37.627	-0.020	-0.006
2.0	-1.015	-36.636	-0.0518	0.0505	-1.023	-36.650	-0.014	-0.008
2.5	-1.084	-35.621	-0.0552	0.0539	-1.091	-35.627	-0.006	-0.007
3.0	-1.135	-34.537	-0.0575	0.0563	-1.138	-34.536	0.001	-0.003
3.5	-1.107	-33.402	-0.0560	0.0545	-1.105	-33.398	0.004	0.002
4.0	-1.055	-32.295	-0.0532	0.0520	-1.052	-32.293	0.002	0.003
4.5	-1.026	-31.240	-0.0520	0.0507	-1.027	-31.241	-0.001	-0.001
5.0	-0.993	-30.214	-0.0503	0.0490	-0.993	-30.214	0.000	0.000
5.5	-0.975	-29.221	-0.0493	0.0481	-0.974	-29.221	0.000	0.001
6.0	-0.977	-28.246	-0.0496	0.0483	-0.979	-28.247	-0.001	-0.002
6.5	-0.904	-27.269	-0.0453	0.0437	-0.890	-27.268	0.001	0.014
7.0	-0.802	-26.365	-0.0407	0.0393	-0.800	-26.378	-0.013	0.002
7.5	-0.778	-25.563	-0.0395	0.0382	-0.777	-25.578	-0.015	0.001
8.0	-0.731	-24.785	-0.0371	0.0358	-0.729	-24.801	-0.016	0.002
8.5	-0.634	-24.054	-0.0321	0.0309	-0.630	-24.072	-0.018	0.004
9.0	-0.616	-23.420	-0.0318	0.0305	-0.523	-23.442	-0.022	-0.007
9.5	-1.129	-22.804	-0.0576	0.0573	-1.149	-22.819	-0.015	-0.020
10.0	-1.374	-21.675	-0.0697	0.0684	-1.381	-21.670	0.005	-0.007
10.5	-1.450	-20.301	-0.0734	0.0721	-1.455	-20.289	0.012	-0.005
11.0	-1.447	-18.851	-0.0728	0.0715	-1.443	-18.834	0.017	0.004
11.5	-1.375	-17.404	-0.0690	0.0678	-1.368	-17.391	0.013	0.008
12.0	-1.279	-16.028	-0.0644	0.0631	-1.275	-16.023	0.005	0.004
12.5	-1.268	-14.749	-0.0641	0.0626	-1.267	-14.748	0.001	0.001
13.0	-1.246	-13.481	-0.0629	0.0616	-1.245	-13.481	0.000	0.001
13.5	-1.241	-12.235	-0.0627	0.0615	-1.242	-12.236	-0.001	-0.001
14.0	-1.254	-10.994	-0.0634	0.0620	-1.254	-10.994	0.000	0.000
14.5	-1.275	-9.740	-0.0644	0.0631	-1.275	-9.740	0.000	0.001
15.0	-1.278	-8.464	-0.0643	0.0630	-1.273	-8.465	-0.001	0.005
15.5	-1.229	-7.186	-0.0625	0.0604	-1.229	-7.192	-0.006	0.000
16.0	-1.201	-5.957	-0.0606	0.0593	-1.199	-5.963	-0.006	0.002
16.5	-1.173	-4.756	-0.0595	0.0581	-1.176	-4.764	-0.008	-0.003
17.0	-1.180	-3.583	-0.0598	0.0585	-1.183	-3.589	-0.005	-0.003
17.5	-1.199	-2.403	-0.0606	0.0592	-1.198	-2.405	-0.002	0.001
18.0	-1.204	-1.204	-0.0612	0.0598	-1.207	-1.207	-0.003	-0.003

CALIBRATION SHEET FOR INCLINOMETER

X-4 : A axis DATE : Dec. 21, 1999

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) Dec. 21, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.850	-39.397	-0.0476	0.0468	-0.944	-39.552	-0.155	-0.094
1.0	-0.930	-38.537	-0.0477	0.0474	-0.951	-38.608	-0.071	-0.021
1.5	-0.971	-37.607	-0.0492	0.0487	-0.979	-37.657	-0.050	-0.008
2.0	-1.015	-36.636	-0.0521	0.0518	-1.039	-36.678	-0.042	-0.024
2.5	-1.084	-35.621	-0.0556	0.0551	-1.107	-35.639	-0.018	-0.023
3.0	-1.135	-34.537	-0.0582	0.0571	-1.153	-34.532	0.005	-0.018
3.5	-1.107	-33.402	-0.0544	0.0544	-1.088	-33.379	0.023	0.019
4.0	-1.055	-32.295	-0.0518	0.0514	-1.032	-32.291	0.004	0.023
4.5	-1.026	-31.240	-0.0515	0.0512	-1.027	-31.259	-0.019	-0.001
5.0	-0.993	-30.214	-0.0500	0.0494	-0.994	-30.232	-0.018	-0.001
5.5	-0.975	-29.221	-0.0499	0.0485	-0.974	-29.238	-0.017	0.001
6.0	-0.977	-28.245	-0.0504	0.0500	-1.006	-28.264	-0.018	-0.029
6.5	-0.904	-27.269	-0.0418	0.0410	-0.828	-27.258	0.011	0.076
7.0	-0.802	-26.345	-0.0393	0.0388	-0.781	-26.430	-0.085	0.021
7.5	-0.778	-25.563	-0.0384	0.0378	-0.762	-25.649	-0.086	0.016
8.0	-0.731	-24.785	-0.0360	0.0356	-0.716	-24.887	-0.102	0.015
8.5	-0.634	-24.054	-0.0316	0.0311	-0.627	-24.171	-0.117	0.007
9.0	-0.616	-23.420	-0.0325	0.0321	-0.646	-23.544	-0.124	-0.030
9.5	-1.129	-22.804	-0.0615	0.0612	-1.227	-22.898	-0.094	-0.098
10.0	-1.374	-21.675	-0.0698	0.0695	-1.393	-21.671	0.004	-0.019
10.5	-1.450	-20.301	-0.0730	0.0729	-1.459	-20.278	0.023	-0.009
11.0	-1.447	-18.851	-0.0723	0.0717	-1.440	-18.819	0.032	0.007
11.5	-1.376	-17.404	-0.0678	0.0675	-1.353	-17.379	0.025	0.023
12.0	-1.279	-16.026	-0.0637	0.0634	-1.271	-16.028	0.002	0.008
12.5	-1.268	-14.749	-0.0636	0.0630	-1.266	-14.755	-0.006	0.002
13.0	-1.248	-13.483	-0.0625	0.0622	-1.243	-13.489	-0.008	-0.002
13.5	-1.241	-12.235	-0.0624	0.0620	-1.244	-12.241	-0.006	-0.003
14.0	-1.254	-10.994	-0.0629	0.0628	-1.257	-10.997	-0.003	-0.003
14.5	-1.275	-9.740	-0.0640	0.0636	-1.276	-9.740	0.000	0.000
15.0	-1.278	-8.464	-0.0635	0.0633	-1.268	-8.464	0.000	0.010
15.5	-1.229	-7.186	-0.0616	0.0609	-1.225	-7.196	-0.010	0.004
16.0	-1.201	-5.957	-0.0598	0.0594	-1.192	-5.971	-0.014	0.009
16.5	-1.173	-4.756	-0.0589	0.0586	-1.175	-4.779	-0.023	-0.002
17.0	-1.180	-3.583	-0.0596	0.0591	-1.187	-3.604	-0.021	-0.007
17.5	-1.195	-2.403	-0.0604	0.0600	-1.204	-2.417	-0.014	-0.005
18.0	-1.204	-1.204	-0.0609	0.0604	-1.213	-1.213	-0.009	-0.009

CALIBRATION SHEET FOR INCLINOMETER

x-4 : A axis DATE : Jan 19, 1990

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) Jan. 19, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.850	-39.397	-0.0475	0.0470	-0.945	-39.571	-0.184	-0.095
1.0	-0.930	-38.537	-0.0477	0.0475	-0.952	-38.626	-0.089	-0.022
1.5	-0.971	-37.607	-0.0493	0.0489	-0.982	-37.674	-0.067	-0.011
2.0	-1.015	-36.636	-0.0521	0.0518	-1.039	-36.692	-0.056	-0.024
2.5	-1.084	-35.621	-0.0555	0.0553	-1.108	-35.653	-0.032	-0.024
3.0	-1.135	-34.537	-0.0581	0.0572	-1.153	-34.546	-0.008	-0.018
3.5	-1.107	-33.402	-0.0541	0.0543	-1.084	-33.392	0.010	0.023
4.0	-1.055	-32.295	-0.0519	0.0515	-1.034	-32.308	-0.013	0.021
4.5	-1.026	-31.240	-0.0514	0.0511	-1.025	-31.274	-0.034	0.001
5.0	-0.993	-30.214	-0.0499	0.0496	-0.995	-30.249	-0.035	-0.002
5.5	-0.975	-29.221	-0.0489	0.0486	-0.975	-29.256	-0.033	0.000
6.0	-0.977	-28.246	-0.0505	0.0503	-1.008	-28.279	-0.033	-0.031
6.5	-0.904	-27.269	-0.0419	0.0412	-0.831	-27.271	-0.002	0.073
7.0	-0.802	-26.365	-0.0392	0.0388	-0.780	-26.440	-0.075	0.022
7.5	-0.779	-25.563	-0.0394	0.0380	-0.764	-25.660	-0.097	0.014
8.0	-0.731	-24.785	-0.0360	0.0356	-0.716	-24.896	-0.111	0.016
8.5	-0.634	-24.054	-0.0315	0.0312	-0.627	-24.180	-0.126	0.007
9.0	-0.616	-23.420	-0.0324	0.0324	-0.648	-23.553	-0.133	-0.032
9.5	-1.129	-22.804	-0.0616	0.0612	-1.228	-22.905	-0.101	-0.099
10.0	-1.374	-21.675	-0.0700	0.0698	-1.395	-21.677	-0.002	-0.021
10.5	-1.450	-20.301	-0.0731	0.0728	-1.459	-20.282	0.019	-0.009
11.0	-1.447	-18.951	-0.0722	0.0718	-1.440	-18.823	0.028	0.007
11.5	-1.376	-17.404	-0.0682	0.0677	-1.359	-17.383	0.021	0.017
12.0	-1.279	-16.028	-0.0635	0.0636	-1.271	-16.024	0.004	0.008
12.5	-1.268	-14.749	-0.0637	0.0630	-1.267	-14.753	-0.004	0.001
13.0	-1.246	-13.481	-0.0624	0.0621	-1.245	-13.486	-0.005	0.001
13.5	-1.241	-12.235	-0.0625	0.0621	-1.246	-12.241	-0.006	-0.005
14.0	-1.254	-10.994	-0.0630	0.0627	-1.257	-10.995	-0.001	-0.003
14.5	-1.276	-9.740	-0.0639	0.0636	-1.275	-9.738	0.002	0.001
15.0	-1.278	-8.464	-0.0636	0.0625	-1.261	-8.463	0.001	0.017
15.5	-1.229	-7.186	-0.0617	0.0609	-1.226	-7.202	-0.016	0.003
16.0	-1.201	-5.957	-0.0599	0.0595	-1.194	-5.976	-0.019	0.007
16.5	-1.173	-4.756	-0.0590	0.0586	-1.176	-4.782	-0.026	-0.003
17.0	-1.180	-3.583	-0.0597	0.0592	-1.189	-3.606	-0.023	-0.009
17.5	-1.199	-2.403	-0.0604	0.0600	-1.204	-2.417	-0.014	-0.005
18.0	-1.204	-1.204	-0.0609	0.0604	-1.213	-1.213	-0.009	-0.009

CALIBRATION SHEET FOR INCLINOMETER

X-4 : A axis DATE : Feb. 28, 1990

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) Feb. 28, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.850	-39.387	-0.0469	0.0470	-0.939	-39.318	0.069	-0.089
1.0	-0.930	-38.537	-0.0473	0.0472	-0.945	-38.379	0.158	-0.015
1.5	-0.971	-37.607	-0.0489	0.0489	-0.976	-37.434	0.173	-0.007
2.0	-1.015	-36.636	-0.0521	0.0522	-1.043	-36.456	0.180	-0.028
2.5	-1.064	-35.621	-0.0555	0.0554	-1.109	-35.413	0.208	-0.025
3.0	-1.135	-34.537	-0.0577	0.0571	-1.148	-34.304	0.233	-0.013
3.5	-1.107	-33.402	-0.0543	0.0545	-1.088	-33.156	0.246	0.019
4.0	-1.055	-32.295	-0.0519	0.0518	-1.037	-32.068	0.227	0.018
4.5	-1.026	-31.240	-0.0511	0.0512	-1.023	-31.031	0.209	0.003
5.0	-0.993	-30.214	-0.0497	0.0496	-0.993	-30.008	0.206	0.000
5.5	-0.975	-29.221	-0.0487	0.0486	-0.973	-29.015	0.206	0.002
6.0	-0.977	-28.246	-0.0495	0.0493	-0.988	-28.042	0.204	-0.011
6.5	-0.904	-27.269	-0.0384	0.0378	-0.762	-27.054	0.215	0.142
7.0	-0.802	-26.365	-0.0349	0.0348	-0.697	-26.292	0.073	0.105
7.5	-0.778	-25.563	-0.0353	0.0351	-0.704	-25.595	-0.032	0.074
8.0	-0.731	-24.735	-0.0349	0.0350	-0.699	-24.691	-0.106	0.032
8.5	-0.634	-24.054	-0.0315	0.0314	-0.629	-24.192	-0.138	0.005
9.0	-0.616	-23.420	-0.0320	0.0326	-0.646	-23.563	-0.143	-0.030
9.5	-1.129	-22.804	-0.0618	0.0611	-1.225	-22.917	-0.113	-0.100
10.0	-1.374	-21.675	-0.0693	0.0697	-1.395	-21.688	-0.013	-0.021
10.5	-1.450	-20.301	-0.0729	0.0731	-1.460	-20.293	0.008	-0.010
11.0	-1.447	-18.851	-0.0721	0.0721	-1.442	-18.833	0.018	0.005
11.5	-1.376	-17.404	-0.0676	0.0677	-1.353	-17.391	0.013	0.023
12.0	-1.279	-16.028	-0.0639	0.0640	-1.279	-16.038	-0.010	0.000
12.5	-1.268	-14.749	-0.0636	0.0633	-1.269	-14.759	-0.010	-0.001
13.0	-1.246	-13.481	-0.0623	0.0625	-1.248	-13.490	-0.009	-0.002
13.5	-1.241	-12.235	-0.0623	0.0623	-1.246	-12.242	-0.007	-0.005
14.0	-1.254	-10.994	-0.0627	0.0629	-1.256	-10.996	-0.002	-0.002
14.5	-1.276	-9.740	-0.0638	0.0637	-1.275	-9.740	0.000	0.001
15.0	-1.278	-8.454	-0.0631	0.0626	-1.257	-8.465	-0.001	0.021
15.5	-1.229	-7.186	-0.0616	0.0611	-1.227	-7.208	-0.022	0.002
16.0	-1.201	-5.957	-0.0598	0.0595	-1.194	-5.981	-0.024	0.007
16.5	-1.173	-4.756	-0.0588	0.0589	-1.177	-4.787	-0.031	-0.004
17.0	-1.160	-3.583	-0.0597	0.0594	-1.191	-3.610	-0.027	-0.011
17.5	-1.199	-2.403	-0.0602	0.0603	-1.205	-2.419	-0.016	-0.006
18.0	-1.204	-1.204	-0.0608	0.0606	-1.213	-1.214	-0.010	-0.010

CALCULATION SHEET FOR INCLINOMETER

X-4 : A axis DATE : MCH. 17, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Oct. 9 1989		Mch. 17, 1990					
0.5	-0.850	-39.387	-0.0470	0.0468	-0.938	-38.934	0.453	-0.088
1.0	-0.930	-38.537	-0.0472	0.0471	-0.943	-37.996	0.541	-0.013
1.5	-0.971	-37.607	-0.0488	0.0487	-0.975	-37.053	0.554	-0.004
2.0	-1.015	-36.636	-0.0520	0.0521	-1.041	-36.078	0.558	-0.026
2.5	-1.084	-35.621	-0.0553	0.0552	-1.105	-35.037	0.584	-0.021
3.0	-1.135	-34.537	-0.0576	0.0569	-1.145	-33.932	0.605	-0.010
3.5	-1.107	-33.402	-0.0549	0.0544	-1.093	-32.787	0.615	0.014
4.0	-1.055	-32.295	-0.0517	0.0516	-1.033	-31.694	0.601	0.022
4.5	-1.026	-31.240	-0.0510	0.0512	-1.022	-30.661	0.579	0.004
5.0	-0.993	-30.214	-0.0497	0.0495	-0.992	-29.639	0.575	0.001
5.5	-0.975	-29.221	-0.0485	0.0484	-0.969	-28.647	0.574	0.006
6.0	-0.977	-28.246	-0.0485	0.0481	-0.966	-27.678	0.568	0.011
6.5	-0.904	-27.269	-0.0368	0.0337	-0.705	-26.712	0.557	0.199
7.0	-0.802	-26.365	-0.0293	0.0291	-0.584	-26.007	0.358	0.218
7.5	-0.778	-25.563	-0.0306	0.0304	-0.610	-25.423	0.140	0.168
8.0	-0.731	-24.785	-0.0331	0.0331	-0.662	-24.813	-0.028	0.069
8.5	-0.634	-24.054	-0.0315	0.0312	-0.627	-24.151	-0.097	0.007
9.0	-0.616	-23.420	-0.0318	0.0325	-0.643	-23.524	-0.104	-0.027
9.5	-1.129	-22.804	-0.0599	0.0610	-1.209	-22.881	-0.077	-0.080
10.0	-1.374	-21.675	-0.0693	0.0694	-1.387	-21.672	0.003	-0.013
10.5	-1.450	-20.301	-0.0729	0.0730	-1.459	-20.285	0.016	-0.009
11.0	-1.447	-18.851	-0.0720	0.0718	-1.438	-18.826	0.025	0.009
11.5	-1.376	-17.404	-0.0677	0.0675	-1.352	-17.388	0.016	0.024
12.0	-1.279	-16.028	-0.0648	0.0638	-1.286	-16.036	-0.008	-0.007
12.5	-1.268	-14.749	-0.0638	0.0631	-1.269	-14.750	-0.001	-0.001
13.0	-1.246	-13.481	-0.0623	0.0623	-1.246	-13.481	0.000	0.000
13.5	-1.241	-12.235	-0.0623	0.0621	-1.244	-12.235	0.000	-0.003
14.0	-1.254	-10.994	-0.0626	0.0627	-1.253	-10.991	0.003	0.001
14.5	-1.276	-9.740	-0.0636	0.0636	-1.272	-9.738	0.002	0.004
15.0	-1.278	-8.464	-0.0639	0.0632	-1.271	-8.466	-0.002	0.007
15.5	-1.229	-7.186	-0.0618	0.0609	-1.227	-7.195	-0.009	0.002
16.0	-1.201	-5.957	-0.0598	0.0596	-1.194	-5.968	-0.011	0.007
16.5	-1.173	-4.756	-0.0588	0.0588	-1.176	-4.774	-0.018	-0.003
17.0	-1.180	-3.583	-0.0595	0.0594	-1.189	-3.598	-0.015	-0.009
17.5	-1.199	-2.403	-0.0601	0.0600	-1.201	-2.409	-0.006	-0.002
18.0	-1.204	-1.204	-0.0604	0.0604	-1.208	-1.208	-0.004	-0.004

CALCULATION SHEET FOR INCLINOMETER

X-4 : A axis DATE : APR. 23, 1990

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
	Oct. 9 1989		Apr. 23, 1990					
0.5	-0.850	-39.387	-0.0478	0.0477	-0.955	-38.924	0.463	-0.105
1.0	-0.930	-38.537	-0.0474	0.0468	-0.942	-37.969	0.568	-0.012
1.5	-0.971	-37.607	-0.0491	0.0482	-0.973	-37.027	0.580	-0.002
2.0	-1.015	-36.636	-0.0520	0.0515	-1.035	-36.054	0.582	-0.020
2.5	-1.084	-35.621	-0.0565	0.0546	-1.111	-35.019	0.602	-0.027
3.0	-1.135	-34.537	-0.0572	0.0563	-1.138	-33.908	0.629	-0.003
3.5	-1.107	-33.402	-0.0554	0.0545	-1.099	-32.770	0.632	0.008
4.0	-1.055	-32.295	-0.0526	0.0518	-1.044	-31.671	0.624	0.011
4.5	-1.026	-31.240	-0.0515	0.0509	-1.024	-30.627	0.613	0.002
5.0	-0.993	-30.214	-0.0504	0.0495	-0.999	-29.603	0.611	-0.006
5.5	-0.975	-29.221	-0.0488	0.0482	-0.970	-28.604	0.617	0.005
6.0	-0.977	-28.246	-0.0480	0.0463	-0.943	-27.634	0.612	0.034
6.5	-0.904	-27.269	-0.0381	0.0369	-0.750	-26.691	0.578	0.154
7.0	-0.802	-26.365	-0.0299	0.0294	-0.593	-25.941	0.424	0.209
7.5	-0.778	-25.563	-0.0307	0.0299	-0.606	-25.348	0.215	0.172
8.0	-0.731	-24.785	-0.0331	0.0325	-0.656	-24.742	0.043	0.075
8.5	-0.634	-24.054	-0.0320	0.0311	-0.631	-24.086	-0.032	0.003
9.0	-0.616	-23.420	-0.0316	0.0311	-0.627	-23.455	-0.035	-0.011
9.5	-1.129	-22.804	-0.0571	0.0573	-1.144	-22.828	-0.024	-0.015
10.0	-1.374	-21.675	-0.0691	0.0681	-1.372	-21.684	-0.009	0.002
10.5	-1.450	-20.301	-0.0731	0.0725	-1.456	-20.312	-0.011	-0.006
11.0	-1.447	-18.851	-0.0728	0.0719	-1.447	-18.856	-0.005	0.000
11.5	-1.376	-17.404	-0.0686	0.0678	-1.364	-17.409	-0.005	0.012
12.0	-1.279	-16.028	-0.0650	0.0636	-1.286	-16.045	-0.017	-0.007
12.5	-1.268	-14.749	-0.0641	0.0630	-1.271	-14.759	-0.010	-0.003
13.0	-1.246	-13.481	-0.0627	0.0620	-1.247	-13.488	-0.007	-0.001
13.5	-1.241	-12.235	-0.0626	0.0618	-1.244	-12.241	-0.006	-0.003
14.0	-1.254	-10.994	-0.0629	0.0623	-1.252	-10.997	-0.003	0.002
14.5	-1.276	-9.740	-0.0640	0.0632	-1.272	-9.745	-0.005	0.004
15.0	-1.278	-8.464	-0.0641	0.0624	-1.265	-8.473	-0.009	0.013
15.5	-1.229	-7.186	-0.0622	0.0608	-1.230	-7.208	-0.022	-0.001
16.0	-1.201	-5.957	-0.0604	0.0596	-1.200	-5.978	-0.021	0.001
16.5	-1.173	-4.756	-0.0592	0.0585	-1.177	-4.778	-0.022	-0.004
17.0	-1.180	-3.583	-0.0598	0.0588	-1.186	-3.601	-0.018	-0.006
17.5	-1.199	-2.403	-0.0605	0.0597	-1.202	-2.415	-0.012	-0.003
18.0	-1.204	-1.204	-0.0611	0.0602	-1.213	-1.213	-0.009	-0.009

CALCULATION SHEET FOR INCLINOMETER

X-4 : A axis Date: MAY 24, 1990

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) May. 24, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.850	-39.387	-0.0480	0.0475	-0.955	-38.933	0.454	-0.105
1.0	-0.930	-38.537	-0.0475	0.0470	-0.945	-37.978	0.559	-0.015
1.5	-0.971	-37.607	-0.0491	0.0486	-0.977	-37.033	0.574	-0.006
2.0	-1.015	-36.636	-0.0524	0.0519	-1.043	-36.056	0.580	-0.028
2.5	-1.084	-35.621	-0.0557	0.0551	-1.108	-35.013	0.608	-0.024
3.0	-1.135	-34.537	-0.0579	0.0567	-1.146	-33.905	0.632	-0.011
3.5	-1.107	-33.402	-0.0543	0.0542	-1.085	-32.759	0.643	0.022
4.0	-1.055	-32.295	-0.0521	0.0516	-1.037	-31.674	0.621	0.018
4.5	-1.026	-31.240	-0.0515	0.0509	-1.024	-30.637	0.603	0.002
5.0	-0.993	-30.214	-0.0499	0.0494	-0.993	-29.613	0.601	0.000
5.5	-0.975	-29.221	-0.0485	0.0480	-0.965	-28.620	0.601	0.010
6.0	-0.977	-28.246	-0.0485	0.0479	-0.964	-27.655	0.591	0.013
6.5	-0.904	-27.269	-0.0344	0.0337	-0.681	-26.691	0.578	0.223
7.0	-0.802	-26.365	-0.0297	0.0291	-0.588	-26.010	0.355	0.214
7.5	-0.778	-25.563	-0.0308	0.0304	-0.612	-25.422	0.141	0.166
8.0	-0.731	-24.785	-0.0331	0.0326	-0.657	-24.810	-0.025	0.074
8.5	-0.634	-24.054	-0.0314	0.0310	-0.624	-24.153	-0.099	0.010
9.0	-0.616	-23.420	-0.0325	0.0324	-0.649	-23.529	-0.109	-0.033
9.5	-1.129	-22.804	-0.0615	0.0604	-1.219	-22.880	-0.076	-0.090
10.0	-1.374	-21.675	-0.0696	0.0693	-1.389	-21.661	0.014	-0.015
10.5	-1.450	-20.301	-0.0733	0.0727	-1.460	-20.272	0.029	-0.010
11.0	-1.447	-18.851	-0.0723	0.0718	-1.441	-18.812	0.039	0.006
11.5	-1.376	-17.404	-0.0681	0.0673	-1.354	-17.371	0.033	0.022
12.0	-1.279	-16.028	-0.0638	0.0636	-1.274	-16.017	0.011	0.005
12.5	-1.268	-14.749	-0.0637	0.0630	-1.267	-14.743	0.006	0.001
13.0	-1.246	-13.481	-0.0626	0.0620	-1.246	-13.476	0.005	0.000
13.5	-1.241	-12.235	-0.0625	0.0620	-1.245	-12.230	0.005	-0.004
14.0	-1.254	-10.994	-0.0629	0.0623	-1.252	-10.985	0.009	0.002
14.5	-1.276	-9.740	-0.0638	0.0632	-1.270	-9.733	0.007	0.006
15.0	-1.278	-8.464	-0.0640	0.0622	-1.262	-8.463	0.001	0.016
15.5	-1.229	-7.186	-0.0614	0.0609	-1.223	-7.201	-0.015	0.006
16.0	-1.201	-5.957	-0.0600	0.0595	-1.195	-5.976	-0.021	0.006
16.5	-1.173	-4.756	-0.0592	0.0586	-1.178	-4.783	-0.027	-0.005
17.0	-1.180	-3.583	-0.0598	0.0592	-1.190	-3.605	-0.022	-0.010
17.5	-1.199	-2.403	-0.0604	0.0599	-1.203	-2.415	-0.012	-0.004
18.0	-1.204	-1.204	-0.0609	0.0603	-1.212	-1.212	-0.008	-0.008

CALCULATION SHEET FOR INCLINOMETER

X-4 : A axis JUNE.20, 1990

DEPTH	A(I) Oct. 9 1989	T/A(I)	A(0) June. 20	A(180) 1990	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.850	-39.387	-0.0483	0.0476	-0.959	-38.961	0.426	-0.109
1.0	-0.930	-38.537	-0.0477	0.0468	-0.945	-38.002	0.535	-0.015
1.5	-0.971	-37.607	-0.0493	0.0484	-0.977	-37.057	0.550	-0.006
2.0	-1.015	-36.636	-0.0526	0.0519	-1.045	-36.080	0.556	-0.030
2.5	-1.084	-35.621	-0.0558	0.0549	-1.107	-35.035	0.586	-0.023
3.0	-1.135	-34.537	-0.0582	0.0567	-1.149	-33.928	0.609	-0.014
3.5	-1.107	-33.402	-0.0545	0.0540	-1.085	-32.779	0.623	0.022
4.0	-1.055	-32.295	-0.0523	0.0515	-1.038	-31.694	0.601	0.017
4.5	-1.026	-31.240	-0.0517	0.0509	-1.026	-30.656	0.584	0.000
5.0	-0.993	-30.214	-0.0501	0.0492	-0.993	-29.630	0.584	0.000
5.5	-0.975	-29.221	-0.0488	0.0479	-0.967	-28.637	0.584	0.008
6.0	-0.977	-28.246	-0.0488	0.0474	-0.962	-27.670	0.576	0.015
6.5	-0.904	-27.269	-0.0348	0.0336	-0.684	-26.708	0.561	0.220
7.0	-0.802	-26.365	-0.0298	0.0289	-0.587	-26.024	0.341	0.215
7.5	-0.778	-25.563	-0.0310	0.0302	-0.612	-25.437	0.126	0.166
8.0	-0.731	-24.785	-0.0334	0.0326	-0.660	-24.825	-0.040	0.071
8.5	-0.634	-24.054	-0.0316	0.0307	-0.623	-24.165	-0.111	0.011
9.0	-0.616	-23.420	-0.0332	0.0324	-0.656	-23.542	-0.122	-0.040
9.5	-1.129	-22.804	-0.0614	0.0605	-1.219	-22.866	-0.082	-0.090
10.0	-1.374	-21.675	-0.0700	0.0690	-1.390	-21.667	0.008	-0.016
10.5	-1.450	-20.301	-0.0735	0.0727	-1.462	-20.277	0.024	-0.012
11.0	-1.447	-18.851	-0.0724	0.0716	-1.440	-18.815	0.036	0.007
11.5	-1.376	-17.404	-0.0679	0.0672	-1.351	-17.375	0.029	0.025
12.0	-1.279	-16.028	-0.0640	0.0634	-1.274	-16.024	0.004	0.005
12.5	-1.268	-14.749	-0.0641	0.0629	-1.270	-14.750	-0.001	-0.002
13.0	-1.246	-13.481	-0.0628	0.0620	-1.248	-13.480	0.001	-0.002
13.5	-1.241	-12.235	-0.0626	0.0618	-1.244	-12.232	0.003	-0.003
14.0	-1.254	-10.994	-0.0632	0.0623	-1.255	-10.988	0.006	-0.001
14.5	-1.276	-9.740	-0.0639	0.0630	-1.269	-9.733	0.007	0.007
15.0	-1.278	-8.464	-0.0636	0.0628	-1.264	-8.464	0.000	0.014
15.5	-1.229	-7.186	-0.0619	0.0606	-1.225	-7.200	-0.014	0.004
16.0	-1.201	-5.957	-0.0601	0.0592	-1.193	-5.975	-0.018	0.008
16.5	-1.173	-4.756	-0.0593	0.0584	-1.177	-4.782	-0.026	-0.004
17.0	-1.180	-3.583	-0.0598	0.0590	-1.188	-3.605	-0.022	-0.008
17.5	-1.199	-2.403	-0.0607	0.0598	-1.205	-2.417	-0.014	-0.006
18.0	-1.204	-1.204	-0.0609	0.0603	-1.212	-1.212	-0.008	-0.008

INITIAL READING OF INCLINOMETERS

HOLE No. 2-1 DATE : Sep. 23, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	-0.0165	0.0162	-0.327	4.508	-0.0238	0.0295	-0.533	-13.912
1.0	-0.0206	0.0200	-0.406	4.835	-0.0236	0.0290	-0.526	-13.379
1.5	-0.0156	0.0162	-0.318	5.241	-0.0149	0.0204	-0.353	-12.653
2.0	-0.0077	0.0072	-0.149	5.559	-0.0059	0.0113	-0.172	-12.500
2.5	-0.0018	0.0013	-0.031	5.708	-0.0066	0.0123	-0.189	-12.328
3.0	-0.0094	0.0089	-0.183	5.739	-0.0172	0.0226	-0.400	-12.139
3.5	-0.0127	0.0120	-0.247	5.922	-0.0230	0.0283	-0.513	-11.739
4.0	-0.0121	0.0116	-0.237	6.169	-0.0264	0.0320	-0.584	-11.226
4.5	-0.0093	0.0086	-0.179	6.406	-0.0289	0.0342	-0.631	-10.642
5.0	-0.0063	0.0058	-0.121	6.585	-0.0300	0.0356	-0.656	-10.011
5.5	-0.0030	0.0021	-0.051	6.706	-0.0273	0.0318	-0.591	-9.355
6.0	0.0111	-0.0116	0.227	6.757	-0.0142	0.0165	-0.327	-9.764
6.5	0.0151	-0.0156	0.307	6.530	-0.0126	0.0161	-0.307	-8.437
7.0	0.0193	-0.0198	0.391	6.223	-0.0105	0.0157	-0.262	-8.130
7.5	0.0225	-0.0230	0.455	5.832	-0.0081	0.0135	-0.216	-7.868
8.0	0.0210	-0.0216	0.426	5.377	-0.0070	0.0122	-0.192	-7.652
8.5	0.0197	-0.0203	0.400	4.951	-0.0042	0.0094	-0.136	-7.460
9.0	0.0136	-0.0141	0.277	4.551	-0.0074	0.0126	-0.200	-7.324
9.5	0.0143	-0.0147	0.290	4.274	-0.0071	0.0121	-0.192	-7.124
10.0	0.0158	-0.0163	0.321	3.984	-0.0066	0.0116	-0.184	-6.932
10.5	0.0156	-0.0161	0.317	3.663	-0.0087	0.0136	-0.227	-6.748
11.0	0.0156	-0.0160	0.316	3.346	-0.0099	0.0150	-0.249	-6.523
11.5	0.0151	-0.0157	0.308	3.030	-0.0101	0.0136	-0.237	-6.272
12.0	0.0072	-0.0075	0.147	2.722	-0.0108	0.0158	-0.266	-6.035
12.5	0.0059	-0.0064	0.123	2.575	-0.0116	0.0167	-0.283	-5.769
13.0	0.0040	-0.0044	0.084	2.452	-0.0117	0.0166	-0.283	-5.406
13.5	0.0028	-0.0032	0.060	2.368	-0.0102	0.0152	-0.254	-5.203
14.0	0.0043	-0.0046	0.089	2.308	-0.0095	0.0144	-0.239	-4.949
14.5	0.0056	-0.0047	0.103	2.219	-0.0106	0.0155	-0.261	-4.710
15.0	0.0092	-0.0095	0.187	2.116	-0.0121	0.0171	-0.292	-4.449
15.5	0.0112	-0.0115	0.227	1.929	-0.0151	0.0197	-0.342	-4.157
16.0	0.0113	-0.0118	0.231	1.702	-0.0155	0.0204	-0.359	-3.809
16.5	0.0091	-0.0094	0.185	1.471	-0.0150	0.0198	-0.348	-3.450
17.0	0.0067	-0.0073	0.140	1.286	-0.0152	0.0199	-0.351	-3.102
17.5	0.0058	-0.0063	0.121	1.146	-0.0177	0.0213	-0.395	-2.751
18.0	0.0073	-0.0078	0.151	1.025	-0.0233	0.0278	-0.511	-2.356
18.5	0.0087	-0.0092	0.179	0.874	-0.0221	0.0268	-0.489	-1.845
19.0	0.0097	-0.0100	0.197	0.695	-0.0224	0.0268	-0.492	-1.356
19.5	0.0106	-0.0113	0.219	0.498	-0.0205	0.0249	-0.454	-0.864
20.0	0.0139	-0.0140	0.279	0.279	-0.0182	0.0228	-0.410	-0.410

CALCURATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : Oct. 23, 1989

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) Oct. 23, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0221	0.0213	-0.434	4.631	0.123	-0.107
1.0	-0.406	4.835	-0.0201	0.0196	-0.397	5.065	0.230	0.009
1.5	-0.318	5.241	-0.0125	0.0122	-0.247	5.462	0.221	0.071
2.0	-0.149	5.559	-0.0067	0.0062	-0.129	5.709	0.150	0.020
2.5	-0.031	5.708	-0.0029	0.0025	-0.054	5.838	0.130	-0.023
3.0	-0.183	5.735	-0.0100	0.0096	-0.196	5.892	0.153	-0.013
3.5	-0.247	5.922	-0.0128	0.0124	-0.252	6.088	0.166	-0.005
4.0	-0.237	6.155	-0.0111	0.0108	-0.219	6.340	0.171	0.019
4.5	-0.179	6.406	-0.0085	0.0080	-0.166	6.559	0.153	0.014
5.0	-0.12[illegible]	6.585	-0.0056	0.0052	-0.108	6.724	0.139	0.013
5.5	-0.051	6.706	0.0005	-0.0016	0.021	6.832	0.126	0.072
6.0	0.227	6.757	0.0122	-0.0127	0.249	6.811	0.054	0.022
6.5	0.307	6.530	0.0163	-0.0165	0.331	6.562	0.032	0.024
7.0	0.391	6.223	0.0204	-0.0209	0.413	6.201	-0.022	0.022
7.5	0.455	5.832	0.0228	-0.0230	0.458	5.818	-0.014	0.003
8.0	0.426	5.377	0.0205	-0.0209	0.417	5.340	-0.037	-0.012
8.5	0.400	4.951	0.0163	-0.0191	0.365	4.946	-0.005	-0.031
9.0	0.277	4.601	0.0133	-0.0142	0.290	4.677	0.026	0.003
9.5	0.290	4.274	0.0147	-0.0152	0.299	4.297	0.023	0.009
10.0	0.321	3.950	0.0163	-0.0166	0.329	3.959	0.014	0.008
10.5	0.317	3.663	0.0153	-0.0157	0.310	3.669	0.006	-0.007
11.0	0.316	3.346	0.0137	-0.0167	0.321	3.339	0.013	0.005
11.5	0.308	3.030	0.0128	-0.0133	0.261	3.035	0.005	-0.047
12.0	0.147	2.722	0.0070	-0.0073	0.143	2.727	0.005	-0.004
12.5	0.123	2.575	0.0056	-0.0059	0.115	2.634	0.059	-0.008
13.0	0.094	2.492	0.0037	-0.0040	0.077	2.559	0.067	-0.007
13.5	0.060	2.368	0.0032	-0.0034	0.066	2.442	0.074	0.006
14.0	0.089	2.308	0.0045	-0.0048	0.093	2.376	0.068	0.004
14.5	0.103	2.219	0.0066	-0.0060	0.126	2.283	0.064	0.023
15.0	0.187	2.115	0.0095	-0.0099	0.194	2.157	0.041	0.007
15.5	0.227	1.929	0.0118	-0.0121	0.239	1.963	0.034	0.012
16.0	0.231	1.702	0.0109	-0.0112	0.221	1.724	0.022	-0.010
16.5	0.185	1.471	0.0086	-0.0090	0.176	1.503	0.032	-0.009
17.0	0.140	1.286	0.0065	-0.0065	0.133	1.327	0.041	-0.007
17.5	0.121	1.146	0.0060	-0.0064	0.124	1.194	0.048	0.003
18.0	0.151	1.025	0.0078	-0.0082	0.160	1.070	0.045	0.009
18.5	0.179	0.874	0.0089	-0.0094	0.183	0.910	0.036	0.004
19.0	0.197	0.695	0.0098	-0.0102	0.200	0.727	0.032	0.003
19.5	0.219	0.498	0.0115	-0.0118	0.233	0.527	0.029	0.014
20.0	0.279	0.279	0.0148	-0.0149	0.294	0.294	0.015	0.015

CALIBRATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : Nov. 21, 1989

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) Nov. 21, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0227	0.0205	-0.432	4.511	0.003	-0.105
1.0	-0.406	4.835	-0.0213	0.0197	-0.410	4.943	0.108	-0.004
1.5	-0.318	5.241	-0.0146	0.0127	-0.273	5.353	0.112	0.045
2.0	-0.149	5.559	-0.0079	0.0061	-0.140	5.626	0.067	0.009
2.5	-0.031	5.708	-0.0032	0.0014	-0.046	5.766	0.058	-0.015
3.0	-0.183	5.739	-0.0105	0.0093	-0.198	5.812	0.073	-0.005
3.5	-0.247	5.922	-0.0133	0.0116	-0.249	6.000	0.078	-0.002
4.0	-0.237	6.169	-0.0124	0.0102	-0.226	6.249	0.080	0.011
4.5	-0.179	6.406	-0.0096	0.0076	-0.174	6.475	0.069	0.005
5.0	-0.121	6.585	-0.0069	0.0048	-0.117	6.649	0.064	0.004
5.5	-0.051	6.706	-0.0027	-0.0002	-0.025	6.766	0.060	0.026
6.0	0.227	6.757	0.0110	-0.0128	0.238	6.791	0.034	0.011
6.5	0.307	6.530	0.0149	-0.0171	0.320	6.553	0.023	0.013
7.0	0.391	6.223	0.0193	-0.0209	0.402	6.233	0.010	0.011
7.5	0.455	5.832	0.0218	-0.0239	0.457	5.831	-0.001	0.002
8.0	0.426	5.377	0.0199	-0.0212	0.417	5.374	-0.003	-0.009
8.5	0.400	4.951	0.0182	-0.0203	0.385	4.957	0.006	-0.015
9.0	0.277	4.551	0.0129	-0.0151	0.279	4.572	0.021	0.002
9.5	0.290	4.274	0.0137	-0.0156	0.293	4.293	0.019	0.003
10.0	0.321	3.994	0.0152	-0.0173	0.325	4.009	0.015	0.004
10.5	0.317	3.663	0.0147	-0.0166	0.313	3.675	0.012	-0.004
11.0	0.315	3.346	0.0149	-0.0167	0.316	3.362	0.016	0.000
11.5	0.308	3.030	0.0135	-0.0156	0.291	3.046	0.016	-0.017
12.0	0.147	2.722	0.0062	-0.0081	0.143	2.755	0.033	-0.004
12.5	0.123	2.575	0.0048	-0.0070	0.118	2.612	0.037	-0.005
13.0	0.084	2.452	0.0031	-0.0050	0.081	2.494	0.042	-0.003
13.5	0.060	2.368	0.0022	-0.0041	0.063	2.413	0.045	0.003
14.0	0.089	2.308	0.0034	-0.0054	0.088	2.330	0.042	-0.001
14.5	0.103	2.219	0.0050	-0.0072	0.122	2.262	0.043	0.019
15.0	0.187	2.116	0.0087	-0.0107	0.194	2.140	0.024	0.007
15.5	0.227	1.929	0.0108	-0.0126	0.234	1.946	0.017	0.007
16.0	0.231	1.702	0.0105	-0.0124	0.229	1.712	0.010	-0.002
16.5	0.185	1.471	0.0080	-0.0100	0.180	1.483	0.012	-0.005
17.0	0.140	1.296	0.0058	-0.0077	0.135	1.303	0.017	-0.005
17.5	0.121	1.146	0.0052	-0.0071	0.123	1.168	0.022	0.002
18.0	0.151	1.025	0.0069	-0.0088	0.154	1.045	0.020	0.003
18.5	0.179	0.874	0.0081	-0.0101	0.182	0.891	0.017	0.003
19.0	0.197	0.695	0.0089	-0.0105	0.195	0.709	0.014	-0.001
19.5	0.219	0.498	0.0103	-0.0121	0.224	0.513	0.015	0.005
20.0	0.279	0.279	0.0136	-0.0153	0.289	0.289	0.010	0.010

CALCURATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : Dec. 22, 1989

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) Dec. 22, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0219	0.0212	-0.431	4.607	0.101	-0.104
1.0	-0.406	4.835	-0.0196	0.0190	-0.386	5.040	0.205	0.020
1.5	-0.318	5.241	-0.0128	0.0118	-0.246	5.426	0.185	0.072
2.0	-0.149	5.559	-0.0072	0.0063	-0.135	5.672	0.113	0.014
2.5	-0.031	5.708	-0.0037	0.0023	-0.060	5.807	0.099	-0.029
3.0	-0.183	5.739	-0.0103	0.0094	-0.197	5.867	0.128	-0.014
3.5	-0.247	5.922	-0.0131	0.0121	-0.252	6.064	0.142	-0.005
4.0	-0.237	6.169	-0.0117	0.0105	-0.222	6.316	0.147	0.015
4.5	-0.179	6.406	-0.0088	0.0079	-0.167	6.538	0.132	0.012
5.0	-0.121	6.585	-0.0061	0.0050	-0.111	6.705	0.120	0.010
5.5	-0.051	6.706	0.0007	-0.0016	0.023	6.816	0.110	0.074
6.0	0.227	6.757	0.0121	-0.0131	0.252	6.793	0.036	0.025
6.5	0.307	6.530	0.0160	-0.0171	0.331	6.541	0.011	0.024
7.0	0.391	6.223	0.0202	-0.0212	0.414	6.210	-0.013	0.023
7.5	0.455	5.832	0.0223	-0.0234	0.457	5.796	-0.036	0.002
8.0	0.426	5.377	0.0201	-0.0213	0.412	5.339	-0.038	-0.014
8.5	0.400	4.951	0.0178	-0.0189	0.367	4.927	-0.024	-0.033
9.0	0.277	4.551	0.0135	-0.0144	0.279	4.560	0.009	0.002
9.5	0.290	4.274	0.0144	-0.0154	0.298	4.281	0.007	0.008
10.0	0.321	3.994	0.0159	-0.0169	0.328	3.993	-0.001	0.007
10.5	0.317	3.663	0.0149	-0.0159	0.308	3.655	-0.008	-0.009
11.0	0.316	3.346	0.0154	-0.0164	0.318	3.347	0.001	0.002
11.5	0.308	3.030	0.0128	-0.0136	0.264	3.029	-0.001	-0.044
12.0	0.147	2.722	0.0065	-0.0075	0.140	2.765	0.043	-0.007
12.5	0.123	2.575	0.0052	-0.0061	0.113	2.625	0.050	-0.010
13.0	0.084	2.452	0.0033	-0.0042	0.075	2.512	0.060	-0.009
13.5	0.060	2.368	0.0028	-0.0037	0.065	2.437	0.069	0.005
14.0	0.089	2.308	0.0042	-0.0051	0.093	2.372	0.064	0.004
14.5	0.103	2.219	0.0061	-0.0065	0.126	2.279	0.060	0.023
15.0	0.187	2.116	0.0094	-0.0103	0.197	2.153	0.037	0.010
15.5	0.227	1.929	0.0114	-0.0123	0.237	1.956	0.027	0.010
16.0	0.231	1.702	0.0106	-0.0115	0.221	1.719	0.017	-0.010
16.5	0.135	1.471	0.0083	-0.0093	0.176	1.498	0.027	-0.009
17.0	0.140	1.286	0.0061	-0.0070	0.131	1.322	0.036	-0.009
17.5	0.121	1.146	0.0058	-0.0067	0.125	1.191	0.045	0.004
18.0	0.151	1.025	0.0074	-0.0083	0.157	1.066	0.041	0.006
18.5	0.179	0.874	0.0087	-0.0097	0.184	0.909	0.035	0.005
19.0	0.197	0.695	0.0095	-0.0103	0.196	0.725	0.030	0.001
19.5	0.219	0.498	0.0112	-0.0121	0.233	0.527	0.029	0.014
20.0	0.279	0.279	0.0143	-0.0151	0.294	0.274	0.015	0.015

CALCURATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : Jan 22, 1990

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(O) Jan. 22, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0212	0.0205	-0.417	4.632	0.124	-0.090
1.0	-0.406	4.835	-0.0198	0.0192	-0.387	5.049	0.214	0.019
1.5	-0.318	5.241	-0.0127	0.0120	-0.247	5.436	0.195	0.071
2.0	-0.149	5.559	-0.0070	0.0065	-0.135	5.683	0.124	0.014
2.5	-0.031	5.708	-0.0033	0.0027	-0.060	5.818	0.110	-0.029
3.0	-0.183	5.739	-0.0099	0.0098	-0.197	5.878	0.139	-0.014
3.5	-0.247	5.922	-0.0127	0.0125	-0.252	6.075	0.153	-0.005
4.0	-0.237	6.169	-0.0111	0.0108	-0.219	6.327	0.158	0.018
4.5	-0.179	6.406	-0.0086	0.0088	-0.174	6.546	0.140	0.005
5.0	-0.121	6.585	-0.0059	0.0055	-0.114	6.720	0.135	0.007
5.5	-0.051	6.706	0.0004	-0.0013	0.017	6.934	0.129	0.068
6.0	0.227	6.757	0.0123	-0.0127	0.250	6.917	0.160	0.023
6.5	0.307	6.530	0.0164	-0.0169	0.333	6.567	0.037	0.026
7.0	0.391	6.223	0.0206	-0.0208	0.414	6.234	0.011	0.023
7.5	0.455	5.832	0.0227	-0.0230	0.457	5.820	-0.012	0.002
8.0	0.425	5.377	0.0204	-0.0210	0.414	5.363	-0.014	-0.012
8.5	0.400	4.951	0.0183	-0.0186	0.369	4.949	-0.002	-0.031
9.0	0.277	4.551	0.0139	-0.0143	0.282	4.580	0.029	0.005
9.5	0.290	4.274	0.0147	-0.0151	0.298	4.298	0.024	0.008
10.0	0.322	3.934	0.0164	-0.0167	0.331	4.000	0.066	0.010
10.5	0.317	3.663	0.0153	-0.0157	0.310	3.669	0.006	-0.007
11.0	0.316	3.346	0.0160	-0.0160	0.320	3.359	0.013	0.004
11.5	0.308	3.030	0.0129	-0.0134	0.263	3.039	0.009	-0.045
12.0	0.147	2.722	0.0068	-0.0072	0.140	2.776	0.054	-0.007
12.5	0.123	2.575	0.0056	-0.0060	0.116	2.636	0.061	-0.007
13.0	0.084	2.452	0.0036	-0.0040	0.076	2.520	0.068	-0.008
13.5	0.060	2.338	0.0031	-0.0035	0.066	2.444	0.075	0.006
14.0	0.089	2.308	0.0045	-0.0048	0.093	2.378	0.070	0.004
14.5	0.103	2.219	0.0064	-0.0062	0.126	2.285	0.066	0.023
15.0	0.187	2.116	0.0096	-0.0101	0.197	2.159	0.043	0.010
15.5	0.227	1.929	0.0117	-0.0120	0.237	1.962	0.033	0.010
16.0	0.231	1.702	0.0108	-0.0112	0.220	1.725	0.023	-0.011
16.5	0.185	1.471	0.0087	-0.0091	0.178	1.505	0.034	-0.007
17.0	0.140	1.286	0.0063	-0.0067	0.130	1.327	0.041	-0.010
17.5	0.121	1.146	0.0061	-0.0064	0.125	1.197	0.051	0.004
18.0	0.151	1.025	0.0076	-0.0082	0.158	1.072	0.047	0.007
18.5	0.179	0.874	0.0090	-0.0096	0.186	0.914	0.040	0.007
19.0	0.197	0.693	0.0098	-0.0101	0.199	0.728	0.033	0.002
19.5	0.219	0.498	0.0114	-0.0120	0.234	0.529	0.031	0.015
20.0	0.279	0.279	0.0146	-0.0149	0.295	0.295	0.016	0.016

CALIBRATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : Feb. 28, 1990

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) Feb. 28, 1990	A(100)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0118	0.0114	-0.232	4.899	0.391	0.095
1.0	-0.406	4.835	-0.0179	0.0174	-0.353	5.131	0.296	0.053
1.5	-0.318	5.241	-0.0129	0.0121	-0.250	5.484	0.243	0.068
2.0	-0.169	5.559	-0.0070	0.0066	-0.136	5.734	0.175	0.013
2.5	-0.031	5.708	-0.0034	0.0014	-0.048	5.870	0.162	-0.017
3.0	-0.183	5.739	-0.0103	0.0069	-0.192	5.918	0.179	-0.009
3.5	-0.247	5.922	-0.0128	0.0115	-0.243	6.110	0.188	0.004
4.0	-0.237	6.169	-0.0110	0.0099	-0.209	6.353	0.184	0.028
4.5	-0.179	6.406	-0.0082	0.0072	-0.154	6.562	0.156	0.025
5.0	-0.121	6.585	-0.0054	0.0042	-0.096	6.716	0.131	0.025
5.5	-0.051	6.706	0.0007	-0.0014	0.021	6.812	0.106	0.072
6.0	0.227	6.757	0.0120	-0.0124	0.244	6.791	0.034	0.017
6.5	0.307	6.830	0.0153	-0.0163	0.316	6.847	0.017	0.009
7.0	0.391	6.223	0.0201	-0.0205	0.406	6.231	0.008	0.015
7.5	0.455	5.832	0.0224	-0.0228	0.452	5.825	-0.007	-0.003
8.0	0.426	5.377	0.0204	-0.0208	0.412	5.373	-0.004	-0.014
8.5	0.400	4.951	0.0185	-0.0191	0.376	4.961	0.010	-0.024
9.0	0.277	4.551	0.0139	-0.0144	0.283	4.585	0.034	0.006
9.5	0.290	4.274	0.0150	-0.0154	0.304	4.302	0.028	0.014
10.0	0.321	3.984	0.0163	-0.0166	0.329	3.998	0.014	0.008
10.5	0.317	3.663	0.0151	-0.0155	0.306	3.669	0.006	-0.011
11.0	0.316	3.346	0.0156	-0.0159	0.315	3.363	0.017	-0.001
11.5	0.308	3.030	0.0127	-0.0134	0.261	3.048	0.019	-0.047
12.0	0.147	2.732	0.0068	-0.0074	0.142	2.787	0.055	-0.005
12.5	0.123	2.575	0.0059	-0.0060	0.115	2.643	0.070	-0.008
13.0	0.094	2.452	0.0035	-0.0041	0.076	2.530	0.078	-0.008
13.5	0.060	2.368	0.0030	-0.0036	0.066	2.454	0.086	0.006
14.0	0.089	2.308	0.0043	-0.0049	0.092	2.368	0.060	0.003
14.5	0.103	2.219	0.0063	-0.0075	0.138	2.296	0.077	0.035
15.0	0.187	2.116	0.0096	-0.0101	0.197	2.158	0.042	0.010
15.5	0.227	1.929	0.0117	-0.0122	0.239	1.961	0.032	0.012
16.0	0.231	1.702	0.0107	-0.0113	0.220	1.722	0.020	-0.011
16.5	0.185	1.471	0.0085	-0.0090	0.175	1.502	0.031	-0.010
17.0	0.140	1.286	0.0064	-0.0069	0.133	1.327	0.041	-0.007
17.5	0.121	1.146	0.0059	-0.0065	0.124	1.194	0.049	0.003
18.0	0.151	1.025	0.0078	-0.0083	0.161	1.070	0.045	0.010
18.5	0.179	0.874	0.0089	-0.0095	0.184	0.909	0.035	0.005
19.0	0.197	0.695	0.0096	-0.0103	0.199	0.725	0.030	0.002
19.5	0.219	0.498	0.0114	-0.0120	0.234	0.526	0.028	0.015
20.0	0.279	0.279	0.0143	-0.0149	0.292	0.292	0.013	0.013

CALCULATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : MCH. 19, 1990

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) Mch. 19, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0134	0.0131	-0.265	4.490	-0.018	0.062
1.0	-0.406	4.835	-0.0171	0.0168	-0.339	4.755	-0.080	0.067
1.5	-0.318	5.241	-0.0128	0.0122	-0.250	5.094	-0.147	0.068
2.0	-0.149	5.559	-0.0074	0.0070	-0.144	5.344	-0.215	0.005
2.5	-0.031	5.708	-0.0034	0.0020	-0.054	5.488	-0.220	-0.023
3.0	-0.183	5.739	-0.0101	0.0088	-0.189	5.542	-0.197	-0.006
3.5	-0.247	5.922	-0.0125	0.0118	-0.243	5.731	-0.191	0.004
4.0	-0.237	6.169	-0.0108	0.0099	-0.207	5.974	-0.195	0.030
4.5	-0.179	6.406	-0.0082	0.0072	-0.154	6.181	-0.225	0.025
5.0	-0.121	6.585	-0.0053	0.0044	-0.097	6.335	-0.250	0.024
5.5	-0.051	6.706	-0.0002	-0.0003	0.001	6.432	-0.274	0.052
6.0	0.227	6.757	0.0118	-0.0122	0.240	6.431	-0.326	0.013
6.5	0.307	6.530	0.0159	-0.0159	0.318	6.191	-0.339	0.011
7.0	0.391	6.223	-0.0201	-0.0201	0.000	5.873	-0.350	-0.391
7.5	0.455	5.832	0.0225	-0.0226	0.451	5.873	0.041	-0.004
8.0	0.426	5.377	0.0207	-0.0213	0.420	5.422	0.045	-0.006
8.5	0.400	4.951	0.0192	-0.0192	0.384	5.002	0.051	-0.016
9.0	0.277	4.551	0.0143	-0.0146	0.289	4.618	0.067	0.012
9.5	0.290	4.274	0.0152	-0.0151	0.305	4.329	0.055	0.013
10.0	0.321	3.984	0.0165	-0.0166	0.331	4.026	0.042	0.010
10.5	0.317	3.663	0.0153	-0.0156	0.309	3.695	0.032	-0.008
11.0	0.316	3.346	0.0156	-0.0162	0.313	3.386	0.040	0.002
11.5	0.308	3.030	0.0133	-0.0136	0.269	3.068	0.038	-0.039
12.0	0.147	2.722	0.0071	-0.0074	0.145	2.799	0.077	-0.002
12.5	0.123	2.575	0.0057	-0.0061	0.118	2.654	0.079	-0.005
13.0	0.084	2.452	0.0037	-0.0040	0.077	2.536	0.084	-0.007
13.5	0.060	2.368	0.0031	-0.0035	0.066	2.459	0.091	0.006
14.0	0.089	2.308	0.0043	-0.0047	0.090	2.393	0.085	0.001
14.5	0.103	2.219	0.0058	-0.0073	0.131	2.303	0.084	0.028
15.0	0.187	2.116	0.0097	-0.0100	0.197	2.172	0.056	0.010
15.5	0.227	1.929	0.0119	-0.0119	0.238	1.975	0.046	0.011
16.0	0.231	1.702	0.0114	-0.0112	0.226	1.737	0.035	-0.005
16.5	0.185	1.471	0.0089	-0.0089	0.178	1.511	0.040	-0.007
17.0	0.140	1.286	0.0070	-0.0067	0.137	1.333	0.047	-0.003
17.5	0.121	1.146	0.0060	-0.0065	0.125	1.196	0.050	0.004
18.0	0.151	1.025	0.0078	-0.0082	0.160	1.071	0.046	0.009
18.5	0.179	0.874	0.0090	-0.0095	0.185	0.911	0.037	0.006
19.0	0.197	0.695	0.0098	-0.0101	0.199	0.726	0.031	0.002
19.5	0.219	0.498	0.0115	-0.0120	0.235	0.527	0.029	0.016
20.0	0.279	0.279	0.0145	-0.0147	0.292	0.292	0.013	0.013

CALCULATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : APR. 26, 1990

DEPTH	A(I) Sep. 23,	T/A(I) 1989	A(0) Apr. 26,	A(180) 1990	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0181	0.0175	-0.356	4.700	0.192	-0.029
1.0	-0.406	4.835	-0.0181	0.0177	-0.358	5.056	0.221	0.048
1.5	-0.318	5.241	-0.0133	0.0126	-0.259	5.414	0.173	0.059
2.0	-0.149	5.559	-0.0080	0.0074	-0.154	5.673	0.114	-0.005
2.5	-0.031	5.708	-0.0034	0.0026	-0.060	5.827	0.119	-0.029
3.0	-0.183	5.739	-0.0099	0.0091	-0.190	5.887	0.148	-0.007
3.5	-0.247	5.922	-0.0124	0.0119	-0.243	6.077	0.155	0.004
4.0	-0.237	6.169	-0.0113	0.0106	-0.219	6.320	0.151	0.018
4.5	-0.179	6.406	-0.0087	0.0081	-0.168	6.539	0.133	0.011
5.0	-0.121	6.585	-0.0059	0.0051	-0.110	6.707	0.122	0.011
5.5	-0.051	6.706	-0.0016	0.0005	-0.021	6.817	0.111	0.030
6.0	0.227	6.757	0.0116	-0.0121	0.237	6.838	0.081	0.010
6.5	0.307	6.530	0.0154	-0.0160	0.314	6.601	0.071	0.007
7.0	0.391	6.223	0.0197	-0.0201	0.398	6.287	0.064	0.007
7.5	0.455	5.832	0.0225	-0.0230	0.455	5.889	0.057	0.000
8.0	0.426	5.377	0.0207	-0.0211	0.418	5.434	0.057	-0.008
8.5	0.400	4.951	0.0193	-0.0199	0.392	5.016	0.065	-0.008
9.0	0.277	4.551	0.0139	-0.0145	0.284	4.624	0.073	0.007
9.5	0.290	4.274	0.0148	-0.0153	0.301	4.340	0.066	0.011
10.0	0.321	3.984	0.0163	-0.0167	0.330	4.039	0.055	0.009
10.5	0.317	3.663	0.0154	-0.0159	0.313	3.709	0.046	-0.004
11.0	0.316	3.346	0.0158	-0.0161	0.319	3.396	0.050	0.003
11.5	0.308	3.030	0.0141	-0.0147	0.288	3.077	0.047	-0.020
12.0	0.147	2.722	0.0070	-0.0075	0.145	2.789	0.067	-0.002
12.5	0.123	2.575	0.0061	-0.0064	0.125	2.644	0.069	0.002
13.0	0.084	2.452	0.0039	-0.0044	0.083	2.519	0.067	-0.001
13.5	0.060	2.368	0.0031	-0.0035	0.066	2.436	0.068	0.006
14.0	0.089	2.308	0.0042	-0.0047	0.089	2.370	0.062	0.000
14.5	0.103	2.219	0.0057	-0.0053	0.110	2.281	0.062	0.007
15.0	0.187	2.116	0.0097	-0.0101	0.198	2.171	0.055	0.011
15.5	0.227	1.929	0.0115	-0.0120	0.235	1.973	0.044	0.008
16.0	0.231	1.702	0.0113	-0.0118	0.231	1.738	0.036	0.000
16.5	0.185	1.471	0.0087	-0.0093	0.180	1.507	0.036	-0.005
17.0	0.140	1.286	0.0070	-0.0071	0.141	1.327	0.041	0.001
17.5	0.121	1.146	0.0060	-0.0065	0.125	1.186	0.040	0.004
18.0	0.151	1.025	0.0076	-0.0079	0.155	1.061	0.036	0.004
18.5	0.179	0.874	0.0090	-0.0094	0.184	0.906	0.032	0.005
19.0	0.197	0.695	0.0096	-0.0101	0.197	0.722	0.027	0.000
19.5	0.219	0.498	0.0114	-0.0117	0.231	0.525	0.027	0.012
20.0	0.279	0.279	0.0149	-0.0145	0.294	0.294	0.015	0.015

CALCULATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE: MAY 31, 1990

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) May. 31, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0203	0.0198	-0.401	4.613	0.105	-0.074
1.0	-0.406	4.835	-0.0187	0.0180	-0.367	5.014	0.179	0.039
1.5	-0.318	5.241	-0.0129	0.0119	-0.248	5.381	0.140	0.070
2.0	-0.149	5.559	-0.0078	0.0070	-0.148	5.629	0.070	0.001
2.5	-0.031	5.708	-0.0040	0.0026	-0.066	5.777	0.069	-0.035
3.0	-0.183	5.739	-0.0102	0.0094	-0.196	5.843	0.104	-0.013
3.5	-0.247	5.922	-0.0128	0.0119	-0.247	6.039	0.117	0.000
4.0	-0.237	6.169	-0.0113	0.0104	-0.217	6.286	0.117	0.020
4.5	-0.179	6.406	-0.0085	0.0078	-0.163	6.503	0.097	0.016
5.0	-0.121	6.585	-0.0051	0.0051	-0.112	6.666	0.081	0.009
5.5	-0.051	6.706	0.0006	-0.0013	0.019	6.778	0.072	0.070
6.0	0.227	6.757	0.0119	-0.0128	0.247	6.759	0.002	0.020
6.5	0.307	6.530	0.0157	-0.0166	0.323	6.512	-0.018	0.016
7.0	0.391	6.223	0.0199	-0.0208	0.407	6.189	-0.034	0.016
7.5	0.455	5.832	0.0223	-0.0230	0.453	5.782	-0.050	-0.002
8.0	0.426	5.377	0.0203	-0.0211	0.414	5.329	-0.048	-0.012
8.5	0.400	4.951	0.0131	-0.0131	0.372	4.915	-0.036	-0.028
9.0	0.277	4.551	0.0139	-0.0145	0.284	4.543	-0.008	0.007
9.5	0.290	4.274	0.0147	-0.0156	0.303	4.259	-0.015	0.013
10.0	0.321	3.984	0.0160	-0.0168	0.328	3.956	-0.028	0.007
10.5	0.317	3.663	0.0150	-0.0157	0.307	3.628	-0.035	-0.010
11.0	0.316	3.346	0.0153	-0.0163	0.316	3.321	-0.025	0.000
11.5	0.308	3.030	0.0126	-0.0134	0.260	3.005	-0.025	-0.048
12.0	0.147	2.722	0.0066	-0.0074	0.140	2.745	0.023	-0.007
12.5	0.123	2.575	0.0053	-0.0060	0.113	2.605	0.030	-0.010
13.0	0.084	2.452	0.0035	-0.0042	0.077	2.492	0.040	-0.007
13.5	0.060	2.368	0.0028	-0.0036	0.064	2.415	0.047	0.004
14.0	0.089	2.308	0.0042	-0.0048	0.090	2.351	0.043	0.001
14.5	0.103	2.219	0.0062	-0.0063	0.125	2.261	0.042	0.022
15.0	0.137	2.116	0.0094	-0.0102	0.196	2.136	0.020	0.009
15.5	0.227	1.929	0.0115	-0.0122	0.237	1.940	0.011	0.010
16.0	0.231	1.702	0.0105	-0.0113	0.218	1.703	0.001	-0.013
16.5	0.185	1.471	0.0084	-0.0090	0.174	1.485	0.014	-0.011
17.0	0.140	1.286	0.0061	-0.0070	0.131	1.311	0.025	-0.009
17.5	0.121	1.146	0.0057	-0.0064	0.121	1.180	0.034	0.000
18.0	0.151	1.025	0.0076	-0.0082	0.158	1.059	0.034	0.007
18.5	0.179	0.874	0.0088	-0.0095	0.183	0.901	0.027	0.004
19.0	0.197	0.695	0.0095	-0.0102	0.197	0.718	0.023	0.000
19.5	0.219	0.498	0.0113	-0.0121	0.234	0.521	0.023	0.015
20.0	0.279	0.279	0.0140	-0.0147	0.287	0.287	0.008	0.008

CALCULATION SHEET FOR INCLINOMETER

Z-1 : A axis DATE : JUNE.19, 1990

DEPTH	A(I) Sep. 23, 1989	T/A(I)	A(0) June. 19,1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.327	4.508	-0.0216	0.0201	-0.417	4.604	0.096	-0.090
1.0	-0.406	4.835	-0.0195	0.0181	-0.376	5.021	0.186	0.030
1.5	-0.318	5.241	-0.0133	0.0117	-0.250	5.397	0.156	0.068
2.0	-0.149	5.559	-0.0083	0.0065	-0.148	5.647	0.088	0.001
2.5	-0.031	5.708	-0.0043	0.0025	-0.068	5.795	0.087	-0.037
3.0	-0.183	5.739	-0.0107	0.0091	-0.198	5.863	0.124	-0.015
3.5	-0.247	5.922	-0.0131	0.0116	-0.247	6.061	0.139	0.000
4.0	-0.237	6.169	-0.0117	0.0101	-0.218	6.308	0.139	0.019
4.5	-0.179	6.406	-0.0090	0.0074	-0.164	6.526	0.120	0.015
5.0	-0.121	6.585	-0.0064	0.0049	-0.113	6.690	0.105	0.008
5.5	-0.051	6.706	0.0000	-0.0015	0.015	6.803	0.097	0.066
6.0	0.227	6.757	0.0117	-0.0131	0.248	6.788	0.031	0.021
6.5	0.307	6.530	0.0154	-0.0171	0.325	6.540	0.010	0.018
7.0	0.391	6.223	0.0196	-0.0211	0.407	6.215	-0.008	0.016
7.5	0.455	5.832	0.0220	-0.0234	0.454	5.808	-0.024	-0.001
8.0	0.426	5.377	0.0199	-0.0215	0.414	5.354	-0.023	-0.012
8.5	0.400	4.951	0.0177	-0.0195	0.372	4.940	-0.011	-0.028
9.0	0.277	4.551	0.0134	-0.0150	0.284	4.568	0.017	0.007
9.5	0.290	4.274	0.0144	-0.0159	0.303	4.284	0.010	0.013
10.0	0.321	3.984	0.0157	-0.0171	0.328	3.981	-0.003	0.007
10.5	0.317	3.663	0.0146	-0.0162	0.308	3.653	-0.010	-0.009
11.0	0.316	3.346	0.0151	-0.0165	0.316	3.345	-0.001	0.000
11.5	0.308	3.030	0.0123	-0.0139	0.262	3.029	-0.001	-0.046
12.0	0.147	2.722	0.0063	-0.0077	0.140	2.767	0.045	-0.007
12.5	0.123	2.575	0.0049	-0.0064	0.113	2.627	0.052	-0.010
13.0	0.084	2.452	0.0032	-0.0046	0.078	2.514	0.062	-0.006
13.5	0.060	2.368	0.0026	-0.0039	0.065	2.436	0.068	0.005
14.0	0.089	2.308	0.0038	-0.0053	0.091	2.371	0.063	0.002
14.5	0.103	2.219	0.0060	-0.0070	0.130	2.280	0.061	0.027
15.0	0.187	2.116	0.0091	-0.0106	0.197	2.150	0.034	0.010
15.5	0.227	1.929	0.0112	-0.0126	0.238	1.953	0.024	0.011
16.0	0.231	1.702	0.0102	-0.0117	0.219	1.715	0.013	-0.012
16.5	0.185	1.471	0.0080	-0.0095	0.175	1.496	0.025	-0.010
17.0	0.140	1.286	0.0059	-0.0073	0.132	1.321	0.035	-0.008
17.5	0.121	1.146	0.0054	-0.0069	0.123	1.189	0.043	0.002
18.0	0.151	1.025	0.0073	-0.0086	0.159	1.066	0.041	0.008
18.5	0.179	0.874	0.0083	-0.0099	0.182	0.907	0.033	0.003
19.0	0.197	0.695	0.0093	-0.0107	0.200	0.725	0.030	0.003
19.5	0.219	0.498	0.0110	-0.0125	0.235	0.525	0.027	0.016
20.0	0.279	0.279	0.0138	-0.0152	0.290	0.290	0.011	0.011

INITIAL READING OF INCLINOMETERS

HOLE No.2-2 DATE : Sep. 15, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	-0.0013	0.0012	-0.025	-4.120	0.0112	-0.0029	0.141	7.289
1.0	-0.0017	0.0013	-0.030	-4.095	0.0103	-0.0057	0.160	7.148
1.5	-0.0002	0.0000	-0.002	-4.065	0.0112	-0.0063	0.175	6.958
2.0	0.0000	0.0000	0.000	-4.063	0.0113	-0.0065	0.178	6.813
2.5	-0.0007	0.0003	-0.010	-4.063	0.0103	-0.0057	0.160	6.635
3.0	-0.0038	0.0036	-0.074	-4.053	0.0065	-0.0050	0.115	6.475
3.5	-0.0105	0.0100	-0.205	-3.979	0.0023	0.0040	-0.017	6.360
4.0	-0.0121	0.0119	-0.240	-3.774	0.0000	0.0047	-0.047	6.377
4.5	-0.0130	0.0127	-0.257	-3.534	0.0004	0.0041	-0.037	6.424
5.0	-0.0133	0.0130	-0.263	-3.277	0.0027	0.0018	0.009	6.461
5.5	-0.0154	0.0152	-0.306	-3.014	0.0067	-0.0020	0.087	6.452
6.0	-0.0166	0.0159	-0.323	-2.708	0.0049	-0.0012	0.061	6.365
6.5	-0.0121	0.0113	-0.234	-2.385	0.0132	-0.0074	0.206	6.304
7.0	-0.0100	0.0097	-0.197	-2.151	0.0176	-0.0133	0.309	6.098
7.5	-0.0116	0.0115	-0.231	-1.954	0.0185	-0.0137	0.322	5.789
8.0	-0.0112	0.0110	-0.222	-1.723	0.0144	-0.0099	0.243	5.467
8.5	-0.0092	0.0090	-0.182	-1.501	0.0097	-0.0052	0.147	5.224
9.0	-0.0128	0.0121	-0.249	-1.319	0.0063	-0.0051	0.114	5.075
9.5	-0.0125	0.0125	-0.250	-1.070	0.0040	0.0025	0.016	4.961
10.0	-0.0083	0.0081	-0.164	-0.820	0.0034	0.0009	0.025	4.946
10.5	-0.0086	0.0082	-0.168	-0.656	0.0031	0.0011	0.020	4.921
11.0	-0.0069	0.0066	-0.134	-0.489	0.0019	0.0025	-0.007	4.901
11.5	-0.0047	0.0044	-0.091	-0.354	0.0019	0.0024	-0.005	4.908
12.0	-0.0053	0.0053	-0.106	-0.263	0.0039	0.0011	0.028	4.913
12.5	-0.0107	0.0096	-0.203	-0.157	0.0058	-0.0017	0.075	4.985
13.0	-0.0096	0.0096	-0.194	0.046	0.0037	0.0003	0.034	4.810
13.5	-0.0100	0.0098	-0.198	0.240	0.0019	0.0022	-0.003	4.776
14.0	-0.0110	0.0108	-0.218	0.438	-0.0003	0.0046	-0.049	4.779
14.5	-0.0122	0.0121	-0.244	0.652	-0.0018	0.0060	-0.078	4.828
15.0	-0.0115	0.0107	-0.222	0.900	0.0004	0.0027	-0.023	4.906
15.5	-0.0051	0.0054	-0.105	1.122	0.0111	-0.0059	0.170	4.929
16.0	-0.0051	0.0050	-0.101	1.227	0.0149	-0.0108	0.257	4.759
16.5	-0.0019	0.0016	-0.035	1.328	0.0244	-0.0206	0.450	4.502
17.0	0.0035	-0.0036	0.071	1.363	0.0330	-0.0288	0.618	4.052
17.5	0.0069	-0.0072	0.141	1.292	0.0370	-0.0328	0.698	3.434
18.0	0.0066	-0.0067	0.133	1.151	0.0327	-0.0274	0.621	2.736
18.5	-0.0006	-0.0003	-0.003	1.019	0.0196	-0.0151	0.347	2.115
17.0	0.0006	-0.0008	0.014	1.021	0.0177	-0.0135	0.312	1.768
19.5	0.0019	-0.0019	0.038	1.007	0.0175	-0.0134	0.309	1.456
20.0	0.0053	-0.0058	0.111	0.969	0.0159	-0.0116	0.275	1.147
20.5	0.0105	-0.0107	0.212	0.858	0.0166	-0.0123	0.289	0.872
21.0	0.0119	-0.0124	0.243	0.646	0.0156	-0.0126	0.282	0.583
21.5	0.0092	-0.0092	0.184	0.403	0.0090	-0.0027	0.117	0.301
22.0	0.0072	-0.0074	0.146	0.219	0.0048	-0.0027	0.095	0.184
22.5	0.0055	-0.0057	0.112	0.073	0.0044	-0.0003	0.047	0.089
23.0	0.0025	-0.0027	0.052	-0.039	0.0014	0.0027	-0.013	0.042
23.5	-0.0014	0.0010	-0.024	-0.091	0.0028	0.0014	0.014	0.055
24.0	-0.0034	0.0033	-0.067	-0.067	0.0041	0.0000	0.041	0.041

CALCURATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE : Oct. 26, 1989

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Oct. 26, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0057	0.0058	-0.115	-4.261	-0.141	-0.090
1.0	-0.030	-4.095	-0.0055	0.0055	-0.110	-4.146	-0.051	-0.080
1.5	-0.002	-4.065	-0.0024	0.0025	-0.049	-4.036	0.029	-0.047
2.0	0.000	-4.063	-0.0005	0.0006	-0.011	-3.987	0.076	-0.011
2.5	-0.010	-4.063	0.0000	0.0003	-0.003	-3.976	0.087	0.007
3.0	-0.074	-4.053	-0.0030	0.0032	-0.062	-3.973	0.080	0.012
3.5	-0.205	-3.979	-0.0099	0.0097	-0.196	-3.911	0.068	0.009
4.0	-0.240	-3.774	-0.0113	0.0116	-0.229	-3.715	0.059	0.011
4.5	-0.257	-3.534	-0.0126	0.0129	-0.255	-3.486	0.048	0.002
5.0	-0.263	-3.277	-0.0132	0.0135	-0.267	-3.231	0.046	-0.004
5.5	-0.306	-3.014	-0.0152	0.0153	-0.305	-2.964	0.050	0.001
6.0	-0.323	-2.708	-0.0169	0.0171	-0.340	-2.659	0.049	-0.017
6.5	-0.234	-2.385	-0.0121	0.0114	-0.235	-2.319	0.066	-0.001
7.0	-0.197	-2.151	-0.0106	0.0108	-0.214	-2.084	0.067	-0.017
7.5	-0.231	-1.954	-0.0116	0.0118	-0.234	-1.870	0.084	-0.003
8.0	-0.222	-1.723	-0.0105	0.0106	-0.211	-1.636	0.087	0.011
8.5	-0.162	-1.501	-0.0078	0.0079	-0.157	-1.425	0.076	0.025
9.0	-0.249	-1.319	-0.0106	0.0104	-0.210	-1.268	0.051	0.039
9.5	-0.250	-1.070	-0.0126	0.0126	-0.252	-1.058	0.012	-0.002
10.0	-0.164	-0.820	-0.0059	0.0062	-0.121	-0.806	0.014	0.043
10.5	-0.168	-0.656	-0.0068	0.0068	-0.136	-0.685	-0.029	0.032
11.0	-0.134	-0.488	-0.0064	0.0066	-0.130	-0.549	-0.061	0.004
11.5	-0.091	-0.354	-0.0046	0.0048	-0.094	-0.419	-0.065	-0.003
12.0	-0.106	-0.263	-0.0053	0.0055	-0.108	-0.325	-0.062	-0.002
12.5	-0.213	-0.157	-0.0096	0.0094	-0.190	-0.217	-0.060	0.023
13.0	-0.194	0.046	-0.0098	0.0100	-0.198	-0.027	-0.073	-0.004
13.5	-0.198	0.240	-0.0100	0.0102	-0.202	0.171	-0.069	-0.004
14.0	-0.218	0.438	-0.0104	0.0107	-0.211	0.373	-0.065	0.007
14.5	-0.244	0.656	-0.0122	0.0124	-0.246	0.584	-0.072	-0.002
15.0	-0.222	0.900	-0.0112	0.0115	-0.227	0.830	-0.070	-0.005
15.5	-0.105	1.122	-0.0054	0.0059	-0.113	1.057	-0.065	-0.008
16.0	-0.101	1.227	-0.0053	0.0055	-0.108	1.170	-0.057	-0.007
16.5	-0.035	1.328	-0.0023	0.0026	-0.049	1.278	-0.050	-0.014
17.0	0.071	1.363	0.0034	-0.0028	0.062	1.327	-0.036	-0.009
17.5	0.141	1.292	0.0070	-0.0067	0.137	1.255	-0.027	-0.004
18.0	0.133	1.151	0.0083	-0.0080	0.163	1.128	-0.023	0.030
18.5	-0.003	1.018	-0.0009	0.0008	-0.017	0.965	-0.053	-0.014
19.0	0.014	1.021	0.0006	-0.0004	0.010	0.982	-0.039	-0.004
19.5	0.038	1.007	0.0019	-0.0014	0.033	0.972	-0.035	-0.005
20.0	0.111	0.969	0.0050	-0.0051	0.101	0.939	-0.030	-0.010
20.5	0.212	0.858	0.0104	-0.0103	0.207	0.838	-0.020	-0.005
21.0	0.243	0.646	0.0125	-0.012	0.245	0.631	-0.015	0.002
21.5	0.184	0.403	0.0096	-0.0074	0.170	0.386	-0.017	-0.014
22.0	0.146	0.219	0.0072	-0.0070	0.142	0.216	-0.003	-0.004
22.5	0.112	0.073	0.0063	-0.0059	0.122	0.074	0.001	0.010
23.0	0.052	-0.039	0.0029	-0.0025	0.054	-0.048	-0.009	0.002
23.5	-0.024	-0.091	-0.0010	0.0014	-0.024	-0.102	-0.011	0.000
24.0	-0.067	-0.067	-0.0039	0.0039	-0.078	-0.078	-0.011	-0.011

CALCURATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE : Nov. 21, 1989

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Nov. 21, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0097	0.0079	-0.176	-4.469	-0.349	-0.151
1.0	-0.030	-4.095	-0.0087	0.0075	-0.162	-4.293	-0.198	-0.132
1.5	-0.002	-4.065	-0.0045	0.0032	-0.077	-4.131	-0.066	-0.075
2.0	0.000	-4.063	-0.0010	-0.0003	-0.007	-4.054	0.009	-0.007
2.5	-0.010	-4.063	-0.0011	-0.0005	-0.006	-4.047	0.016	0.004
3.0	-0.074	-4.053	-0.0053	0.0026	-0.079	-4.041	0.012	-0.005
3.5	-0.205	-3.979	-0.0106	0.0091	-0.197	-3.962	0.017	0.008
4.0	-0.240	-3.774	-0.0126	0.0109	-0.235	-3.765	0.009	0.005
4.5	-0.257	-3.534	-0.0138	0.0121	-0.259	-3.530	0.004	-0.002
5.0	-0.263	-3.277	-0.0146	0.0129	-0.275	-3.271	0.006	-0.012
5.5	-0.306	-3.014	-0.0165	0.0147	-0.312	-2.996	0.018	-0.006
6.0	-0.323	-2.709	-0.0157	0.0157	-0.314	-2.684	0.024	0.009
6.5	-0.234	-2.385	-0.0133	0.0112	-0.245	-2.370	0.015	-0.011
7.0	-0.197	-2.151	-0.0114	0.0099	-0.213	-2.125	0.026	-0.016
7.5	-0.231	-1.954	-0.0125	0.0110	-0.235	-1.912	0.042	-0.004
8.0	-0.222	-1.723	-0.0106	0.0095	-0.201	-1.677	0.046	0.021
8.5	-0.182	-1.501	-0.0088	0.0073	-0.161	-1.476	0.025	0.021
9.0	-0.249	-1.319	-0.0143	0.0112	-0.255	-1.315	0.004	-0.006
9.5	-0.250	-1.070	-0.0126	0.0108	-0.234	-1.060	0.010	0.016
10.0	-0.164	-0.820	-0.0064	0.0050	-0.114	-0.826	-0.006	0.050
10.5	-0.168	-0.656	-0.0079	0.0063	-0.142	-0.712	-0.056	0.026
11.0	-0.134	-0.488	-0.0069	0.0056	-0.125	-0.570	-0.082	0.009
11.5	-0.091	-0.354	-0.0055	0.0039	-0.094	-0.445	-0.091	-0.003
12.0	-0.106	-0.263	-0.0057	0.0047	-0.104	-0.351	-0.088	0.002
12.5	-0.203	-0.157	-0.0115	0.0096	-0.211	-0.247	-0.090	-0.008
13.0	-0.194	0.046	-0.0108	0.0093	-0.201	-0.036	-0.082	-0.007
13.5	-0.198	0.240	-0.0108	0.0093	-0.201	0.165	-0.075	-0.003
14.0	-0.218	0.438	-0.0120	0.0104	-0.224	0.366	-0.072	-0.006
14.5	-0.244	0.656	-0.0129	0.0114	-0.243	0.590	-0.066	0.001
15.0	-0.222	0.900	-0.0113	0.0100	-0.213	0.833	-0.067	0.009
15.5	-0.105	1.122	-0.0056	0.0046	-0.102	1.046	-0.076	0.003
16.0	-0.101	1.227	-0.0057	0.0045	-0.102	1.148	-0.079	-0.001
16.5	-0.035	1.328	-0.0023	0.0013	-0.036	1.250	-0.078	-0.001
17.0	0.071	1.363	0.0035	-0.0046	0.081	1.286	-0.077	0.010
17.5	0.141	1.292	0.0066	-0.0080	0.146	1.205	-0.087	0.005
18.0	0.133	1.151	0.0040	-0.0073	0.113	1.059	-0.092	-0.020
18.5	-0.003	1.018	-0.0002	-0.0011	0.009	0.946	-0.072	0.012
19.0	0.014	1.021	0.0000	-0.0014	0.014	0.937	-0.084	0.000
19.5	0.038	1.007	0.0014	-0.0029	0.043	0.923	-0.084	0.005
20.0	0.111	0.969	0.0055	-0.0071	0.126	0.880	-0.089	0.015
20.5	0.212	0.858	0.0103	-0.0117	0.220	0.754	-0.104	0.008
21.0	0.243	0.646	0.0111	-0.0129	0.240	0.534	-0.112	-0.003
21.5	0.184	0.403	0.0080	-0.0093	0.173	0.294	-0.109	-0.011
22.0	0.146	0.219	0.0063	-0.0077	0.140	0.121	-0.098	-0.006
22.5	0.112	0.073	0.0047	-0.0062	0.109	-0.019	-0.092	-0.003
23.0	0.052	-0.039	0.0014	-0.0028	0.042	-0.128	-0.089	-0.010
23.5	-0.024	-0.091	-0.0029	0.0015	-0.044	-0.170	-0.079	-0.020
24.0	-0.067	-0.067	-0.0095	0.0031	-0.126	-0.126	-0.059	-0.059

CALCURATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE : Dec. 22, 1989

DEPTH	A(1) Sep. 16, 1989	T/A(1)	A(0) Dec. 22, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(1)	A(n) -A(1)
0.5	-0.025	-4.120	-0.0042	0.0039	-0.081	-4.196	-0.076	-0.056
1.0	-0.030	-4.095	-0.0064	0.0060	-0.124	-4.115	-0.020	-0.094
1.5	-0.002	-4.065	-0.0062	0.0056	-0.118	-3.991	0.074	-0.116
2.0	0.000	-4.063	-0.0013	0.0012	-0.025	-3.873	0.190	-0.025
2.5	-0.010	-4.063	0.0003	-0.0009	0.012	-3.848	0.215	0.022
3.0	-0.074	-4.053	-0.0020	0.0021	-0.041	-3.860	0.193	0.033
3.5	-0.205	-3.979	-0.0102	0.0092	-0.194	-3.819	0.160	0.011
4.0	-0.240	-3.774	-0.0116	0.0113	-0.229	-3.625	0.149	0.011
4.5	-0.257	-3.534	-0.0130	0.0126	-0.256	-3.396	0.138	0.001
5.0	-0.263	-3.277	-0.0136	0.0132	-0.268	-3.140	0.137	-0.005
5.5	-0.306	-3.014	-0.0153	0.0149	-0.302	-2.872	0.142	0.004
6.0	-0.323	-2.708	-0.0174	0.0172	-0.346	-2.570	0.138	-0.023
6.5	-0.234	-2.385	-0.0118	0.0111	-0.229	-2.224	0.161	0.005
7.0	-0.197	-2.151	-0.0107	0.0104	-0.213	-1.995	0.156	-0.014
7.5	-0.231	-1.954	-0.0119	0.0116	-0.235	-1.764	0.170	-0.004
8.0	-0.222	-1.723	-0.0112	0.0106	-0.218	-1.549	0.174	0.004
8.5	-0.182	-1.501	-0.0078	0.0073	-0.151	-1.331	0.170	0.031
9.0	-0.249	-1.319	-0.0108	0.0099	-0.207	-1.180	0.139	0.042
9.5	-0.250	-1.070	-0.0129	0.0121	-0.250	-0.973	0.097	0.000
10.0	-0.164	-0.820	-0.0048	0.0043	-0.091	-0.723	0.097	0.073
10.5	-0.168	-0.656	-0.0054	0.0051	-0.105	-0.632	0.024	0.063
11.0	-0.134	-0.488	-0.0064	0.0060	-0.124	-0.527	-0.039	0.010
11.5	-0.091	-0.354	-0.0051	0.0047	-0.098	-0.403	-0.049	-0.007
12.0	-0.106	-0.263	-0.0055	0.0051	-0.106	-0.305	-0.042	0.000
12.5	-0.203	-0.157	-0.0097	0.0091	-0.188	-0.199	-0.042	0.015
13.0	-0.194	0.046	-0.0101	0.0098	-0.199	-0.011	-0.057	-0.005
13.5	-0.198	0.240	-0.0104	0.0099	-0.203	0.188	-0.052	-0.005
14.0	-0.218	0.438	-0.0107	0.0103	-0.210	0.391	-0.047	0.008
14.5	-0.244	0.656	-0.0125	0.0123	-0.248	0.601	-0.055	-0.004
15.0	-0.222	0.900	-0.0117	0.0113	-0.230	0.849	-0.051	-0.008
15.5	-0.105	1.122	-0.0057	0.0053	-0.110	1.079	-0.043	-0.005
16.0	-0.101	1.227	-0.0056	0.0052	-0.108	1.189	-0.038	-0.007
16.5	-0.035	1.328	-0.0027	0.0025	-0.052	1.297	-0.031	-0.017
17.0	0.071	1.363	0.0026	-0.0030	0.056	1.349	-0.014	-0.015
17.5	0.141	1.292	0.0067	-0.0070	0.137	1.293	0.001	-0.004
18.0	0.133	1.151	0.0081	-0.0083	0.164	1.156	0.005	0.031
18.5	-0.003	1.018	-0.0009	0.0005	-0.014	0.992	-0.026	-0.011
19.0	0.014	1.021	0.0002	-0.0007	0.009	1.006	-0.015	-0.005
19.5	0.038	1.007	0.0015	-0.0017	0.032	0.997	-0.010	-0.006
20.0	0.111	0.969	0.0046	-0.0053	0.099	0.965	-0.004	-0.012
20.5	0.212	0.858	0.0102	-0.0105	0.207	0.866	0.008	-0.005
21.0	0.243	0.646	0.0121	-0.0122	0.243	0.659	0.013	0.000
21.5	0.184	0.403	0.0094	-0.0100	0.194	0.416	0.013	0.010
22.0	0.146	0.219	0.0069	-0.0072	0.141	0.222	0.003	-0.005
22.5	0.112	0.073	0.0060	-0.0063	0.123	0.081	0.008	0.011
23.0	0.052	-0.039	0.0028	-0.0031	0.059	-0.042	-0.003	0.007
23.5	-0.024	-0.091	-0.0011	0.0011	-0.022	-0.101	-0.010	0.002
24.0	-0.067	-0.067	-0.0041	0.0038	-0.079	-0.079	-0.012	-0.012

CALCURATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE : Jan.19, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Jan. 19, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0047	0.0044	-0.091	-4.240	-0.120	-0.066
1.0	-0.030	-4.095	-0.0068	0.0065	-0.133	-4.149	-0.054	-0.103
1.5	-0.002	-4.065	-0.0050	0.0045	-0.095	-4.016	0.049	-0.093
2.0	0.000	-4.063	0.0002	-0.0004	0.006	-3.921	0.142	0.006
2.5	-0.010	-4.063	0.0000	-0.0002	0.002	-3.927	0.136	0.012
3.0	-0.074	-4.053	-0.0054	0.0048	-0.102	-3.929	0.124	-0.029
3.5	-0.205	-3.979	-0.0103	0.0100	-0.203	-3.827	0.152	0.002
4.0	-0.240	-3.774	-0.0122	0.0118	-0.240	-3.624	0.150	0.000
4.5	-0.257	-3.534	-0.0133	0.0130	-0.263	-3.384	0.150	-0.006
5.0	-0.263	-3.277	-0.0141	0.0137	-0.278	-3.121	0.156	-0.015
5.5	-0.306	-3.014	-0.0161	0.0158	-0.319	-2.843	0.171	-0.013
6.0	-0.323	-2.708	-0.0151	0.0147	-0.298	-2.524	0.184	0.025
6.5	-0.234	-2.385	-0.0124	0.0120	-0.244	-2.226	0.159	-0.010
7.0	-0.197	-2.151	-0.0110	0.0106	-0.216	-1.982	0.169	-0.019
7.5	-0.231	-1.954	-0.0120	0.0115	-0.235	-1.766	0.188	-0.004
8.0	-0.222	-1.723	-0.0095	0.0093	-0.188	-1.531	0.192	0.034
8.5	-0.182	-1.501	-0.0084	0.0080	-0.164	-1.343	0.158	0.018
9.0	-0.249	-1.319	-0.0137	0.0132	-0.269	-1.179	0.140	-0.020
9.5	-0.250	-1.070	-0.0088	0.0084	-0.172	-0.910	0.160	0.078
10.0	-0.164	-0.820	-0.0040	0.0036	-0.076	-0.738	0.082	0.088
10.5	-0.168	-0.656	-0.0063	0.0060	-0.123	-0.662	-0.006	0.045
11.0	-0.134	-0.488	-0.0062	0.0056	-0.118	-0.539	-0.051	0.016
11.5	-0.091	-0.354	-0.0050	0.0047	-0.097	-0.421	-0.067	-0.006
12.0	-0.106	-0.263	-0.0062	0.0060	-0.122	-0.324	-0.061	-0.016
12.5	-0.203	-0.157	-0.0107	0.0103	-0.210	-0.202	-0.045	-0.007
13.0	-0.194	0.046	-0.0102	0.0100	-0.202	0.008	-0.038	-0.008
13.5	-0.198	0.240	-0.0102	0.0098	-0.200	0.210	-0.030	-0.002
14.0	-0.218	0.436	-0.0118	0.0116	-0.234	0.410	-0.028	-0.016
14.5	-0.244	0.656	-0.0122	0.0119	-0.241	0.644	-0.012	0.003
15.0	-0.222	0.900	-0.0100	0.0098	-0.198	0.885	-0.015	0.024
15.5	-0.105	1.122	-0.0052	0.0049	-0.101	1.083	-0.039	0.004
16.0	-0.101	1.227	-0.0050	0.0046	-0.096	1.184	-0.043	0.005
16.5	-0.035	1.328	-0.0009	0.0008	-0.017	1.280	-0.048	0.018
17.0	0.071	1.363	0.0045	-0.0050	0.095	1.297	-0.066	0.024
17.5	0.141	1.292	0.0076	-0.0077	0.153	1.202	-0.090	0.012
18.0	0.133	1.151	0.0040	-0.0040	0.080	1.049	-0.102	-0.053
18.5	-0.003	1.018	0.0002	-0.0004	0.006	0.969	-0.049	0.009
19.0	0.014	1.021	0.0007	-0.0010	0.017	0.963	-0.058	0.003
19.5	0.038	1.007	0.0022	-0.0027	0.049	0.946	-0.061	0.011
20.0	0.111	0.969	0.0069	-0.0072	0.141	0.897	-0.072	0.030
20.5	0.212	0.858	0.0112	-0.0115	0.227	0.756	-0.102	0.015
21.0	0.243	0.646	0.0115	-0.0121	0.236	0.529	-0.117	-0.007
21.5	0.184	0.403	0.0080	-0.0082	0.162	0.293	-0.110	-0.022
22.0	0.146	0.219	0.0066	-0.0071	0.137	0.131	-0.088	-0.009
22.5	0.112	0.073	0.0049	-0.0050	0.099	-0.006	-0.079	-0.013
23.0	0.052	-0.039	0.0014	-0.0018	0.032	-0.105	-0.066	-0.020
23.5	-0.024	-0.091	-0.0030	0.0026	-0.056	-0.137	-0.046	-0.032
24.0	-0.067	-0.067	-0.0042	0.0039	-0.081	-0.081	-0.014	-0.014

CALCURATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE :Feb. 28, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Feb. 28, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0052	0.0063	-0.115	-3.840	0.280	-0.090
1.0	-0.030	-4.095	-0.0069	0.0069	-0.138	-3.725	0.370	-0.108
1.5	-0.002	-4.065	-0.0049	0.0046	-0.095	-3.587	0.478	-0.093
2.0	0.000	-4.063	-0.0003	0.0002	-0.005	-3.492	0.571	-0.005
2.5	-0.010	-4.063	0.0008	-0.0011	0.019	-3.487	0.576	0.029
3.0	-0.074	-4.053	-0.0044	0.0040	-0.094	-3.506	0.547	-0.010
3.5	-0.205	-3.979	-0.0097	0.0092	-0.189	-3.422	0.557	0.016
4.0	-0.240	-3.774	-0.0119	0.0115	-0.234	-3.233	0.541	0.006
4.5	-0.257	-3.534	-0.0129	0.0129	-0.258	-2.999	0.535	-0.001
5.0	-0.263	-3.277	-0.0139	0.0137	-0.276	-2.741	0.536	-0.013
5.5	-0.306	-3.014	-0.0160	0.0161	-0.321	-2.465	0.549	-0.015
6.0	-0.323	-2.708	-0.0147	0.0145	-0.295	-2.144	0.564	0.028
6.5	-0.234	-2.385	-0.0120	0.0124	-0.244	-1.849	0.536	-0.010
7.0	-0.197	-2.151	-0.0106	0.0102	-0.208	-1.605	0.546	-0.011
7.5	-0.231	-1.954	-0.0119	0.0110	-0.229	-1.397	0.557	0.002
8.0	-0.222	-1.723	-0.0092	0.0085	-0.177	-1.168	0.555	0.045
8.5	-0.182	-1.501	-0.0077	0.0062	-0.139	-0.991	0.510	0.043
9.0	-0.249	-1.319	-0.0135	0.0136	-0.271	-0.852	0.467	-0.022
9.5	-0.250	-1.070	-0.0056	0.0056	-0.112	-0.581	0.489	0.138
10.0	-0.164	-0.820	0.0051	-0.0047	0.098	-0.469	0.351	0.262
10.5	-0.168	-0.656	-0.0018	0.0017	-0.035	-0.567	0.089	0.133
11.0	-0.134	-0.488	-0.0055	0.0054	-0.109	-0.532	-0.044	0.025
11.5	-0.091	-0.354	-0.0050	0.0053	-0.103	-0.423	-0.069	-0.012
12.0	-0.106	-0.263	-0.0060	0.0051	-0.111	-0.320	-0.057	-0.005
12.5	-0.203	-0.157	-0.0104	0.0108	-0.212	-0.209	-0.052	-0.009
13.0	-0.194	0.046	-0.0101	0.0100	-0.201	0.093	-0.043	-0.007
13.5	-0.198	0.240	-0.0100	0.0101	-0.201	0.204	-0.036	-0.003
14.0	-0.218	0.438	-0.0113	0.0115	-0.230	0.405	-0.033	-0.012
14.5	-0.244	0.656	-0.0120	0.0122	-0.242	0.635	-0.021	0.002
15.0	-0.222	0.900	-0.0099	0.0098	-0.197	0.877	-0.023	0.025
15.5	-0.105	1.122	-0.0050	0.0051	-0.101	1.074	-0.048	0.004
16.0	-0.101	1.227	-0.0049	0.0048	-0.096	1.175	-0.052	0.005
16.5	-0.035	1.328	-0.0007	0.0010	-0.017	1.271	-0.057	0.018
17.0	0.071	1.363	0.0047	-0.0047	0.094	1.288	-0.075	0.023
17.5	0.141	1.292	0.0076	-0.0076	0.152	1.194	-0.098	0.011
18.0	0.133	1.151	0.0039	-0.0044	0.083	1.042	-0.109	-0.050
18.5	-0.003	1.018	0.0004	-0.0001	0.005	0.959	-0.059	0.008
19.0	0.014	1.021	0.0009	-0.0007	0.016	0.954	-0.067	0.002
19.5	0.038	1.007	0.0025	-0.0022	0.047	0.938	-0.069	0.009
20.0	0.111	0.969	0.0073	-0.0067	0.140	0.891	-0.078	0.029
20.5	0.212	0.858	0.0112	-0.0113	0.225	0.751	-0.107	0.013
21.0	0.243	0.646	0.0119	-0.0119	0.238	0.526	-0.120	-0.005
21.5	0.194	0.403	0.0083	-0.0080	0.163	0.283	-0.115	-0.021
22.0	0.146	0.219	0.0068	-0.0069	0.136	0.125	-0.094	-0.010
22.5	0.112	0.073	0.0051	-0.0048	0.099	-0.011	-0.084	-0.013
23.0	0.052	-0.039	0.0014	-0.0012	0.026	-0.110	-0.071	-0.026
23.5	-0.024	-0.091	-0.0027	0.0029	-0.056	-0.136	-0.045	-0.032
24.0	-0.067	-0.067	-0.004	0.004	-0.080	-0.080	-0.013	-0.013

CALCULATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE :MCH. 19, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Mch. 19, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0048	0.0048	-0.096	-3.453	0.667	-0.071
1.0	-0.030	-4.095	-0.0066	0.0068	-0.134	-3.357	0.738	-0.104
1.5	-0.002	-4.065	-0.0039	0.0040	-0.079	-3.223	0.842	-0.077
2.0	0.000	-4.063	-0.0002	0.0004	-0.006	-3.144	0.919	-0.006
2.5	-0.010	-4.063	0.0004	-0.0001	0.005	-3.138	0.925	0.015
3.0	-0.074	-4.053	-0.0044	0.0041	-0.085	-3.143	0.910	-0.011
3.5	-0.205	-3.979	-0.0093	0.0094	-0.187	-3.058	0.921	0.018
4.0	-0.240	-3.774	-0.0116	0.0116	-0.232	-2.871	0.903	0.008
4.5	-0.257	-3.534	-0.0127	0.0128	-0.255	-2.639	0.895	0.002
5.0	-0.263	-3.277	-0.0137	0.0138	-0.275	-2.384	0.893	-0.012
5.5	-0.306	-3.014	-0.0161	0.0162	-0.323	-2.109	0.905	-0.017
6.0	-0.323	-2.708	-0.0149	0.0151	-0.300	-1.786	0.922	0.023
6.5	-0.234	-2.385	-0.0122	0.0122	-0.244	-1.486	0.899	-0.010
7.0	-0.197	-2.151	-0.0103	0.0104	-0.207	-1.242	0.909	-0.010
7.5	-0.231	-1.954	-0.0122	0.0122	-0.244	-1.035	0.919	-0.013
8.0	-0.222	-1.723	-0.0092	0.0094	-0.186	-0.791	0.932	0.036
8.5	-0.182	-1.501	-0.0068	0.0062	-0.130	-0.605	0.896	0.052
9.0	-0.249	-1.319	-0.0137	0.0136	-0.273	-0.475	0.844	-0.024
9.5	-0.250	-1.070	-0.0016	0.0015	-0.031	-0.202	0.868	0.219
10.0	-0.164	-0.820	0.0145	-0.0142	0.287	-0.171	0.649	0.451
10.5	-0.168	-0.656	0.0029	-0.0029	0.058	-0.458	0.198	0.226
11.0	-0.134	-0.488	-0.0046	0.0046	-0.092	-0.516	-0.028	0.042
11.5	-0.091	-0.354	-0.0054	0.0056	-0.110	-0.424	-0.070	-0.019
12.0	-0.106	-0.263	-0.0058	0.0062	-0.120	-0.314	-0.051	-0.014
12.5	-0.203	-0.157	-0.0104	0.0105	-0.209	-0.194	-0.037	-0.006
13.0	-0.194	0.046	-0.0099	0.0102	-0.201	0.015	-0.031	-0.007
13.5	-0.198	0.240	-0.0100	0.0100	-0.200	0.216	-0.024	-0.002
14.0	-0.218	0.438	-0.0115	0.0118	-0.233	0.416	-0.022	-0.015
14.5	-0.244	0.656	-0.0120	0.0123	-0.243	0.649	-0.007	0.001
15.0	-0.222	0.900	-0.0097	0.0101	-0.198	0.892	-0.008	0.024
15.5	-0.105	1.122	-0.0049	0.0050	-0.099	1.090	-0.032	0.006
16.0	-0.101	1.227	-0.0047	0.0049	-0.096	1.189	-0.038	0.005
16.5	-0.035	1.328	-0.0008	0.0011	-0.019	1.285	-0.043	0.016
17.0	0.071	1.363	0.0048	-0.0048	0.096	1.304	-0.059	0.025
17.5	0.141	1.292	0.0077	-0.0075	0.152	1.208	-0.084	0.011
18.0	0.133	1.151	0.0043	-0.0040	0.083	1.056	-0.095	-0.050
18.5	-0.003	1.018	0.0003	0.0000	0.003	0.973	-0.045	0.006
19.0	0.014	1.021	0.0009	-0.0007	0.016	0.970	-0.051	0.002
19.5	0.038	1.007	0.0024	-0.0023	0.047	0.954	-0.053	0.009
20.0	0.111	0.969	0.0073	-0.0070	0.143	0.907	-0.062	0.032
20.5	0.212	0.858	0.0118	-0.0111	0.229	0.764	-0.094	0.017
21.0	0.243	0.646	0.0118	-0.0119	0.237	0.535	-0.111	-0.006
21.5	0.184	0.403	0.0083	-0.0080	0.163	0.238	-0.105	-0.021
22.0	0.146	0.219	0.0068	-0.0063	0.136	0.135	-0.084	-0.010
22.5	0.112	0.073	0.0051	-0.0049	0.100	-0.001	-0.074	-0.012
23.0	0.052	-0.039	0.0018	-0.0015	0.033	-0.101	-0.062	-0.019
23.5	-0.024	-0.091	-0.0027	0.0027	-0.054	-0.134	-0.043	-0.030
24.0	-0.067	-0.067	-0.0039	0.0041	-0.080	-0.080	-0.013	-0.013

CALCULATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE :APR.26, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) Apr. 26, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0065	0.0055	-0.120	-3.496	0.624	-0.095
1.0	-0.030	-4.095	-0.0077	0.0066	-0.143	-3.376	0.719	-0.113
1.5	-0.002	-4.065	-0.0062	0.0052	-0.114	-3.233	0.832	-0.112
2.0	0.000	-4.063	-0.0015	0.0015	-0.030	-3.119	0.944	-0.030
2.5	-0.010	-4.063	0.0008	-0.0017	0.025	-3.089	0.974	0.035
3.0	-0.074	-4.053	-0.0032	0.0023	-0.055	-3.114	0.939	0.019
3.5	-0.205	-3.979	-0.0095	0.0083	-0.178	-3.059	0.920	0.027
4.0	-0.240	-3.774	-0.0118	0.0109	-0.227	-2.881	0.893	0.013
4.5	-0.257	-3.534	-0.0133	0.0122	-0.255	-2.654	0.880	0.002
5.0	-0.263	-3.277	-0.0141	0.0132	-0.273	-2.399	0.878	-0.010
5.5	-0.306	-3.014	-0.0163	0.0154	-0.317	-2.126	0.888	-0.011
6.0	-0.323	-2.708	-0.0162	0.0152	-0.314	-1.809	0.899	0.009
6.5	-0.234	-2.385	-0.0128	0.0119	-0.247	-1.495	0.890	-0.013
7.0	-0.197	-2.151	-0.0106	0.0097	-0.203	-1.243	0.903	-0.006
7.5	-0.231	-1.954	-0.0125	0.0115	-0.240	-1.045	0.909	-0.009
8.0	-0.222	-1.723	-0.0105	0.0095	-0.200	-0.805	0.918	0.022
8.5	-0.182	-1.501	-0.0069	0.0058	-0.127	-0.605	0.896	0.055
9.0	-0.249	-1.319	-0.0127	0.0131	-0.258	-0.478	0.841	-0.009
9.5	-0.250	-1.079	-0.0049	0.0055	-0.104	-0.220	0.850	0.146
10.0	-0.164	-0.820	0.0136	-0.0145	0.281	-0.116	0.704	0.445
10.5	-0.168	-0.658	0.0044	-0.0049	0.093	-0.397	0.259	0.261
11.0	-0.134	-0.488	-0.0045	0.0035	-0.080	-0.490	-0.002	0.054
11.5	-0.091	-0.354	-0.0059	0.0048	-0.107	-0.410	-0.056	-0.016
12.0	-0.106	-0.263	-0.0058	0.0049	-0.105	-0.303	-0.040	0.001
12.5	-0.203	-0.157	-0.0112	0.0091	-0.203	-0.198	-0.041	0.000
13.0	-0.194	0.046	-0.0104	0.0095	-0.199	0.005	-0.041	-0.005
13.5	-0.198	0.240	-0.0105	0.0095	-0.200	0.204	-0.036	-0.002
14.0	-0.218	0.438	-0.0118	0.0108	-0.226	0.404	-0.034	-0.008
14.5	-0.244	0.656	-0.0126	0.0118	-0.244	0.630	-0.026	0.000
15.0	-0.222	0.900	-0.0114	0.0104	-0.218	0.874	-0.026	0.004
15.5	-0.105	1.122	-0.0049	0.0047	-0.096	1.092	-0.030	0.009
16.0	-0.101	1.227	-0.0055	0.0050	-0.105	1.188	-0.039	-0.004
16.5	-0.035	1.328	-0.0023	0.0013	-0.036	1.293	-0.035	-0.001
17.0	0.071	1.363	0.0038	-0.0049	0.087	1.329	-0.034	0.016
17.5	0.141	1.292	0.0069	-0.0079	0.148	1.242	-0.050	0.007
18.0	0.133	1.151	0.0045	-0.0056	0.101	1.094	-0.057	-0.032
18.5	-0.003	1.018	0.0000	-0.0008	0.008	0.993	-0.025	0.011
19.0	0.014	1.021	0.0002	-0.0011	0.013	0.985	-0.036	-0.001
19.5	0.038	1.007	0.0017	-0.0025	0.042	0.972	-0.035	0.004
20.0	0.111	0.969	0.0058	-0.0065	0.123	0.930	-0.039	0.012
20.5	0.212	0.858	0.0108	-0.0115	0.223	0.807	-0.051	0.011
21.0	0.243	0.646	0.0115	-0.0123	0.238	0.584	-0.062	-0.005
21.5	0.184	0.403	0.0083	-0.0089	0.172	0.346	-0.057	-0.012
22.0	0.146	0.219	0.0065	-0.0074	0.139	0.174	-0.045	-0.007
22.5	0.112	0.073	0.0050	-0.0061	0.111	0.035	-0.038	-0.001
23.0	0.052	-0.039	0.0016	-0.0024	0.040	-0.076	-0.037	-0.012
23.5	-0.024	-0.091	-0.0022	0.0016	-0.038	-0.116	-0.025	-0.014
24.0	-0.067	-0.067	-0.0046	0.0032	-0.078	-0.078	-0.011	-0.011

CALCULATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE :MAY.24, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) May. 24, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0078	0.0077	-0.155	-3.460	0.660	-0.130
1.0	-0.030	-4.095	-0.0083	0.0078	-0.161	-3.305	0.790	-0.131
1.5	-0.002	-4.065	-0.0058	0.0053	-0.111	-3.144	0.921	-0.109
2.0	0.000	-4.063	-0.0007	0.0003	-0.010	-3.033	1.030	-0.010
2.5	-0.010	-4.063	0.0008	-0.0014	0.022	-3.023	1.040	0.032
3.0	-0.074	-4.053	-0.0038	0.0031	-0.069	-3.045	1.008	0.005
3.5	-0.205	-3.979	-0.0093	0.0087	-0.180	-2.976	1.003	0.025
4.0	-0.240	-3.774	-0.0117	0.0113	-0.230	-2.796	0.978	0.010
4.5	-0.257	-3.534	-0.0131	0.0126	-0.257	-2.566	0.968	0.000
5.0	-0.263	-3.277	-0.0142	0.0137	-0.279	-2.309	0.968	-0.016
5.5	-0.306	-3.014	-0.0164	0.0159	-0.323	-2.030	0.984	-0.017
6.0	-0.323	-2.708	-0.0154	0.0149	-0.303	-1.707	1.001	0.020
6.5	-0.234	-2.385	-0.0121	0.0116	-0.237	-1.404	0.981	-0.003
7.0	-0.197	-2.151	-0.0106	0.0101	-0.207	-1.167	0.984	-0.010
7.5	-0.231	-1.954	-0.0123	0.0119	-0.242	-0.960	0.994	-0.011
8.0	-0.222	-1.723	-0.0094	0.0088	-0.182	-0.718	1.005	0.040
8.5	-0.182	-1.501	-0.0071	0.0065	-0.136	-0.536	0.965	0.046
9.0	-0.249	-1.319	-0.0139	0.0135	-0.272	-0.400	0.919	-0.023
9.5	-0.250	-1.070	-0.0016	0.0006	-0.022	-0.123	0.942	0.228
10.0	-0.164	-0.820	0.0145	-0.0148	0.293	-0.106	0.714	0.457
10.5	-0.168	-0.656	0.0030	-0.0034	0.064	-0.399	0.257	0.232
11.0	-0.134	-0.488	-0.0047	0.0042	-0.089	-0.463	0.025	0.045
11.5	-0.091	-0.354	-0.0056	0.0052	-0.108	-0.374	-0.020	-0.017
12.0	-0.106	-0.263	-0.0062	0.0058	-0.120	-0.266	-0.003	-0.014
12.5	-0.203	-0.157	-0.0106	0.0103	-0.209	-0.146	0.011	-0.006
13.0	-0.194	0.046	-0.0102	0.0098	-0.200	0.063	0.017	-0.006
13.5	-0.198	0.240	-0.0102	0.0097	-0.199	0.263	0.023	-0.001
14.0	-0.218	0.438	-0.0118	0.0114	-0.232	0.462	0.024	-0.014
14.5	-0.244	0.656	-0.0122	0.0118	-0.240	0.694	0.038	0.004
15.0	-0.222	0.900	-0.0100	0.0096	-0.196	0.934	0.034	0.026
15.5	-0.105	1.122	-0.0049	0.0046	-0.095	1.130	0.008	0.010
16.0	-0.101	1.227	-0.0049	0.0045	-0.094	1.225	-0.002	0.007
16.5	-0.035	1.328	-0.0010	0.0008	-0.016	1.319	-0.009	0.019
17.0	0.071	1.363	0.0047	-0.0052	0.099	1.335	-0.028	0.028
17.5	0.141	1.292	0.0075	-0.0080	0.155	1.236	-0.056	0.014
18.0	0.133	1.151	0.0040	-0.0046	0.086	1.081	-0.070	-0.047
18.5	-0.003	1.018	0.0002	-0.0005	0.007	0.995	-0.023	0.010
19.0	0.014	1.021	0.0007	-0.0011	0.018	0.988	-0.033	0.004
19.5	0.038	1.007	0.0024	-0.0028	0.052	0.970	-0.037	0.014
20.0	0.111	0.969	0.0071	-0.0075	0.146	0.918	-0.051	0.035
20.5	0.212	0.858	0.0114	-0.0117	0.231	0.772	-0.086	0.019
21.0	0.243	0.646	0.0116	-0.0124	0.240	0.541	-0.105	-0.003
21.5	0.184	0.403	0.0081	-0.0084	0.165	0.301	-0.102	-0.019
22.0	0.146	0.219	0.0067	-0.0071	0.138	0.136	-0.083	-0.008
22.5	0.112	0.073	0.0048	-0.0053	0.101	-0.002	-0.075	-0.011
23.0	0.052	-0.039	0.0014	-0.0017	0.031	-0.103	-0.064	-0.021
23.5	-0.024	-0.091	-0.0028	0.0026	-0.054	-0.134	-0.043	-0.030
24.0	-0.067	-0.087	-0.0042	0.0038	-0.080	-0.080	-0.013	-0.013

CALCULATION SHEET FOR INCLINOMETER

Z-2 : A axis DATE : JUNE 19, 1990

DEPTH	A(I) Sep. 16, 1989	T/A(I)	A(0) June. 19 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.025	-4.120	-0.0088	0.0084	-0.172	-3.546	0.574	-0.147
1.0	-0.030	-4.095	-0.0091	0.0084	-0.175	-3.374	0.721	-0.145
1.5	-0.002	-4.065	-0.0089	0.0060	-0.129	-3.199	0.866	-0.127
2.0	0.000	-4.063	-0.0013	0.0004	-0.017	-3.070	0.993	-0.017
2.5	-0.010	-4.063	0.0005	-0.0012	0.017	-3.053	1.010	0.027
3.0	-0.074	-4.053	-0.0038	0.0028	-0.066	-3.070	0.983	0.008
3.5	-0.205	-3.979	-0.0088	0.0081	-0.169	-3.004	0.975	0.036
4.0	-0.240	-3.774	-0.0116	0.0109	-0.225	-2.835	0.939	0.015
4.5	-0.257	-3.534	-0.0132	0.0125	-0.257	-2.610	0.924	0.000
5.0	-0.263	-3.277	-0.0144	0.0137	-0.281	-2.353	0.924	-0.018
5.5	-0.306	-3.014	-0.0165	0.0157	-0.322	-2.072	0.942	-0.016
6.0	-0.323	-2.708	-0.0155	0.0149	-0.304	-1.750	0.958	0.019
6.5	-0.234	-2.385	-0.0123	0.0114	-0.237	-1.446	0.939	-0.003
7.0	-0.197	-2.151	-0.0107	0.0100	-0.207	-1.209	0.942	-0.010
7.5	-0.231	-1.954	-0.0125	0.0119	-0.244	-1.002	0.952	-0.013
8.0	-0.222	-1.723	-0.0095	0.0087	-0.182	-0.758	0.965	0.040
8.5	-0.182	-1.501	-0.0073	0.0067	-0.140	-0.576	0.925	0.042
9.0	-0.249	-1.319	-0.0141	0.0131	-0.272	-0.436	0.883	-0.023
9.5	-0.250	-1.070	-0.0014	0.0007	-0.021	-0.164	0.906	0.229
10.0	-0.164	-0.820	0.0142	-0.0148	0.290	-0.143	0.677	0.454
10.5	-0.168	-0.656	0.0029	-0.0034	0.063	-0.433	0.223	0.231
11.0	-0.134	-0.483	-0.0048	0.0042	-0.090	-0.496	-0.008	0.044
11.5	-0.091	-0.354	-0.0058	0.0051	-0.109	-0.406	-0.052	-0.018
12.0	-0.106	-0.255	-0.0064	0.0057	-0.121	-0.297	-0.034	-0.015
12.5	-0.203	-0.157	-0.0108	0.0102	-0.210	-0.176	-0.019	-0.007
13.0	-0.194	0.046	-0.0104	0.0097	-0.201	0.034	-0.012	-0.007
13.5	-0.198	0.240	-0.0103	0.0097	-0.200	0.235	-0.005	-0.002
14.0	-0.218	0.438	-0.0120	0.0113	-0.233	0.435	-0.003	-0.015
14.5	-0.244	0.656	-0.0124	0.0117	-0.241	0.668	0.012	0.003
15.0	-0.222	0.909	-0.0101	0.0093	-0.194	0.909	0.009	0.028
15.5	-0.105	1.122	-0.0053	0.0046	-0.099	1.103	-0.019	0.006
16.0	-0.101	1.227	-0.0051	0.0045	-0.096	1.202	-0.025	0.005
16.5	-0.035	1.328	-0.0012	0.0004	-0.016	1.298	-0.030	0.019
17.0	0.071	1.363	0.0046	-0.0053	0.099	1.314	-0.049	0.028
17.5	0.141	1.292	0.0073	-0.0081	0.154	1.215	-0.077	0.013
18.0	0.133	1.151	0.0037	-0.0045	0.082	1.061	-0.090	-0.051
18.5	-0.003	1.018	0.0000	-0.0006	0.006	0.979	-0.039	0.009
19.0	0.014	1.021	0.0005	-0.0012	0.017	0.973	-0.048	0.003
19.5	0.038	1.007	0.0021	-0.0028	0.049	0.956	-0.051	0.011
20.0	0.111	0.969	0.0070	-0.0076	0.146	0.907	-0.062	0.035
20.5	0.212	0.858	0.0111	-0.0117	0.223	0.761	-0.097	0.016
21.0	0.243	0.646	0.0115	-0.0125	0.240	0.533	-0.113	-0.003
21.5	0.184	0.403	0.0078	-0.0085	0.163	0.293	-0.110	-0.021
22.0	0.145	0.219	0.0065	-0.0072	0.137	0.130	-0.089	-0.009
22.5	0.112	0.073	0.0047	-0.0053	0.100	-0.007	-0.080	-0.012
23.0	0.052	-0.089	0.0012	-0.0018	0.030	-0.107	-0.068	-0.022
23.5	-0.024	-0.091	-0.0031	0.0025	-0.056	-0.137	-0.046	-0.032
24.0	-0.067	-0.067	-0.0044	0.0037	-0.081	-0.081	-0.014	-0.014

INITIAL READINGS OF INCLINOMETERS

HOLE No. Z-3 DATE : Sep. 26, 1989

DEPTH (m)	A(0)	A(180)	A(I) (cm)	T/A(I)	B(0)	B(180)	B(I) (cm)	T/B(I)
0.5	-0.0012	0.0014	-0.026	-13.832	-0.0036	0.0033	-0.111	-13.773
1.0	-0.0013	0.0013	-0.026	-13.806	-0.0063	0.0110	-0.173	-13.054
1.5	-0.0005	0.0005	-0.010	-13.780	-0.0050	0.0098	-0.145	-13.481
2.0	-0.0008	0.0006	-0.014	-13.770	-0.0041	0.0090	-0.131	-13.333
2.5	-0.0019	0.0019	-0.036	-13.756	-0.0040	0.0097	-0.127	-13.202
3.0	-0.0032	0.0031	-0.063	-13.720	-0.0056	0.0107	-0.163	-13.073
3.5	-0.0020	0.0020	-0.040	-13.657	-0.0110	0.0157	-0.267	-14.912
4.0	-0.0002	0.0003	-0.005	-13.617	-0.0164	0.0213	-0.377	-14.635
4.5	-0.0007	0.0005	-0.012	-13.612	-0.0170	0.0217	-0.387	-14.068
5.0	-0.0020	0.0021	-0.041	-13.600	-0.0151	0.0199	-0.350	-13.883
5.5	-0.0017	0.0016	-0.033	-13.559	-0.0142	0.0192	-0.334	-13.531
6.0	-0.0025	0.0024	-0.049	-13.526	-0.0128	0.0175	-0.303	-13.197
6.5	-0.0054	0.0053	-0.107	-13.477	-0.0140	0.0180	-0.330	-12.994
7.0	-0.0080	0.0079	-0.155	-13.370	-0.0170	0.0237	-0.427	-12.574
7.5	-0.0094	0.0095	-0.189	-13.211	-0.0184	0.0232	-0.416	-12.147
8.0	-0.0134	0.0135	-0.267	-13.022	-0.0160	0.0205	-0.365	-11.731
8.5	-0.0123	0.0124	-0.247	-12.755	-0.0130	0.0197	-0.347	-11.365
9.0	-0.0062	0.0062	-0.124	-12.505	-0.0138	0.0182	-0.317	-11.019
9.5	-0.0133	0.0136	-0.269	-12.384	-0.0066	0.0112	-0.178	-10.702
10.0	-0.0191	0.0195	-0.386	-12.115	-0.0042	0.0087	-0.129	-10.024
10.5	-0.0196	0.0194	-0.389	-11.726	-0.0047	0.0092	-0.139	-10.392
11.0	-0.0183	0.0180	-0.363	-11.337	-0.0064	0.0093	-0.139	-10.286
11.5	-0.0174	0.0173	-0.347	-10.969	-0.0065	0.0104	-0.170	-10.117
12.0	-0.0186	0.0169	-0.337	-10.622	-0.0135	0.0181	-0.315	-9.946
12.5	-0.0171	0.0172	-0.343	-10.285	-0.0154	0.0200	-0.354	-9.631
13.0	-0.0203	0.0203	-0.406	-9.941	-0.0171	0.0217	-0.388	-9.277
13.5	-0.0199	0.0201	-0.399	-9.555	-0.0162	0.0210	-0.372	-8.889
14.0	-0.0205	0.0203	-0.408	-9.156	-0.0152	0.0199	-0.350	-8.517
14.5	-0.0220	0.0222	-0.442	-8.726	-0.0142	0.0191	-0.333	-8.157
15.0	-0.0232	0.0231	-0.463	-8.296	-0.0153	0.0201	-0.354	-7.834
15.5	-0.0254	0.0254	-0.508	-7.823	-0.0124	0.0161	-0.285	-7.480
16.0	-0.0246	0.0247	-0.493	-7.315	-0.0066	0.0113	-0.178	-7.192
16.5	-0.0246	0.0246	-0.492	-6.822	-0.0070	0.0117	-0.187	-7.017
17.0	-0.0249	0.0251	-0.500	-6.330	-0.0075	0.0123	-0.198	-6.830
17.5	-0.0250	0.0251	-0.502	-5.830	-0.0081	0.0129	-0.210	-6.632
18.0	-0.0246	0.0230	-0.458	-5.327	-0.0082	0.0131	-0.213	-6.422
18.5	-0.0242	0.0241	-0.483	-4.829	-0.0177	0.0212	-0.389	-6.209
19.0	-0.0239	0.0240	-0.480	-4.346	-0.0242	0.0255	-0.143	-5.820
19.5	-0.0236	0.0227	-0.463	-3.866	-0.0243	0.0293	-0.536	-5.277
20.0	-0.0176	0.0176	-0.354	-3.413	-0.0219	0.0255	-0.473	-4.741
20.5	-0.0193	0.0175	-0.368	-3.057	-0.0230	0.0275	-0.509	-4.256
21.0	-0.0220	0.0220	-0.440	-2.672	-0.0220	0.0268	-0.498	-3.747
21.5	-0.0207	0.0208	-0.415	-2.231	-0.0217	0.0266	-0.483	-3.259
22.0	-0.0177	0.0178	-0.356	-1.816	-0.0254	0.0304	-0.558	-2.776
22.5	-0.0174	0.0175	-0.349	-1.461	-0.0239	0.0305	-0.565	-2.219
23.0	-0.0169	0.0171	-0.340	-1.112	-0.0268	0.0319	-0.587	-1.653
23.5	-0.0179	0.0180	-0.359	-0.772	-0.0260	0.0309	-0.569	-1.066
24.0	-0.0216	0.0207	-0.413	-0.413	-0.0224	0.0273	-0.497	-0.497

CALCULATION SHEET FOR INCLINOMETER

7-S : A axis DATE : Oct. 26, 1989

DEPTH	A(I) Sep. 26, 1989	T/A(I)	A(0) Oct. 26, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.026	-13.832	-0.0035	0.0039	-0.074	-13.495	0.337	-0.049
1.0	-0.026	-13.806	-0.0014	0.0012	-0.026	-13.421	0.385	0.000
1.5	-0.010	-13.780	-0.0003	0.0003	0.000	-13.395	0.385	0.010
2.0	-0.014	-13.770	-0.0002	0.0002	-0.004	-13.395	0.375	0.010
2.5	-0.035	-13.756	-0.0011	0.0013	-0.024	-13.391	0.365	0.014
3.0	-0.063	-13.720	-0.0029	0.0029	-0.056	-13.367	0.353	0.005
3.5	-0.040	-13.657	-0.0019	0.0021	-0.040	-13.309	0.348	0.000
4.0	-0.005	-13.617	-0.0004	0.0003	-0.007	-13.249	0.343	-0.002
4.5	-0.012	-13.612	-0.0004	0.0005	-0.009	-13.262	0.350	0.003
5.0	-0.041	-13.600	-0.0019	0.0019	-0.035	-13.253	0.347	0.003
5.5	-0.033	-13.559	-0.0015	0.0016	-0.031	-13.215	0.344	0.002
6.0	-0.049	-13.526	-0.0023	0.0023	-0.046	-13.184	0.342	0.003
6.5	-0.107	-13.477	-0.0055	0.0055	-0.110	-13.138	0.339	-0.003
7.0	-0.159	-13.370	-0.0091	0.0083	-0.164	-13.029	0.342	-0.005
7.5	-0.189	-13.211	-0.0099	0.0099	-0.195	-12.864	0.347	-0.009
8.0	-0.267	-13.022	-0.0137	0.0136	-0.277	-12.666	0.356	-0.010
8.5	-0.247	-12.755	-0.0134	0.0137	-0.271	-12.389	0.366	-0.024
9.0	-0.124	-12.508	-0.0056	0.0054	-0.110	-12.118	0.390	0.014
9.5	-0.269	-12.384	-0.0139	0.0117	-0.231	-12.008	0.376	0.038
10.0	-0.389	-12.115	-0.0194	0.0194	-0.388	-11.777	0.338	0.001
10.5	-0.389	-11.726	-0.0197	0.0201	-0.400	-11.386	0.337	-0.011
11.0	-0.368	-11.337	-0.0189	0.0191	-0.380	-10.969	0.348	-0.017
11.5	-0.347	-10.969	-0.0176	0.0175	-0.351	-10.609	0.360	-0.004
12.0	-0.337	-10.622	-0.0168	0.0164	-0.327	-10.269	0.354	0.010
12.5	-0.344	-10.285	-0.0164	0.0169	-0.328	-9.931	0.354	0.016
13.0	-0.406	-9.941	-0.0198	0.0200	-0.398	-9.603	0.338	0.008
13.5	-0.399	-9.535	-0.0195	0.0197	-0.392	-9.205	0.330	0.007
14.0	-0.408	-9.136	-0.0191	0.0194	-0.388	-8.813	0.323	0.023
14.5	-0.442	-8.728	-0.0221	0.0221	-0.443	-8.428	0.300	-0.001
15.0	-0.463	-8.286	-0.0243	0.0244	-0.487	-7.985	0.301	-0.024
15.5	-0.509	-7.823	-0.0256	0.0257	-0.513	-7.498	0.325	-0.005
16.0	-0.443	-7.314	-0.0241	0.0241	-0.482	-6.996	0.330	0.011
16.5	-0.492	-6.822	-0.0247	0.0250	-0.497	-6.503	0.319	-0.005
17.0	-0.500	-6.330	-0.0252	0.0253	-0.505	-6.004	0.326	-0.005
17.5	-0.503	-5.830	-0.0250	0.0253	-0.503	-5.501	0.329	0.000
18.0	-0.498	-5.327	-0.0250	0.0249	-0.499	-4.998	0.329	-0.001
18.5	-0.483	-4.829	-0.0243	0.0245	-0.486	-4.499	0.330	-0.005
19.0	-0.480	-4.346	-0.0233	0.0234	-0.467	-4.031	0.330	-0.007
19.5	-0.453	-3.866	-0.0229	0.0231	-0.460	-3.504	0.362	-0.007
20.0	-0.384	-3.413	0.0165	0.0169	-0.004	-3.044	0.369	0.350
20.5	-0.388	-3.029	-0.0197	0.0196	-0.373	-3.040	0.019	0.013
21.0	-0.440	-2.671	-0.0215	0.0217	-0.432	-2.667	0.004	0.008
21.5	-0.415	-2.231	-0.0203	0.0206	-0.416	-2.235	-0.004	-0.001
22.0	-0.385	-1.816	-0.0177	0.0180	-0.357	-1.819	-0.003	-0.002
22.5	-0.349	-1.462	-0.0174	0.0177	-0.351	-1.462	-0.001	-0.002
23.0	-0.340	-1.112	-0.0169	0.0170	-0.339	-1.111	0.001	0.001
23.5	-0.355	-0.773	-0.0179	0.0182	-0.361	-0.772	0.000	-0.002
24.0	-0.413	-0.413	-0.0205	0.0208	-0.411	-0.411	0.002	0.002

CS CONVERSION SHEET FOR INCLINOMETER

7-3 : A axis DATE : NOV. 21, 1986

DEPTH	A(I)	T/A(I)	A(0)	A(180)	A(D)	T/A(D)	T/A(I) -T/A(I)	A(D) A(I)
	Sep. 26, 1989		Nov. 21, 1987					
0.5	-0.026	-13.832	-0.0038	0.0023	-0.061	-13.893	-0.061	-0.035
1.0	-0.026	-13.806	-0.0010	-0.0003	-0.007	-13.842	-0.036	-0.019
1.5	-0.010	-13.780	-0.0004	-0.0007	0.000	-13.811	-0.040	0.011
2.0	-0.014	-13.770	-0.0008	-0.0001	-0.007	-13.829	-0.059	0.007
2.5	-0.036	-13.756	-0.0022	0.0007	-0.029	-13.818	-0.062	0.002
3.0	-0.063	-13.720	-0.0037	0.0023	-0.060	-13.799	-0.079	0.003
3.5	-0.040	-13.657	-0.0019	0.0010	-0.029	-13.729	-0.072	0.011
4.0	-0.005	-13.617	-0.0007	-0.0005	-0.002	-13.700	-0.083	0.007
4.5	-0.012	-13.612	-0.0015	0.0003	-0.018	-13.698	-0.086	-0.006
5.0	-0.041	-13.600	-0.0028	0.0011	-0.036	-13.680	-0.080	0.005
5.5	-0.063	-13.559	-0.0021	0.0008	-0.029	-13.644	-0.085	0.004
6.0	-0.049	-13.576	-0.0037	0.0023	-0.060	-13.616	-0.069	-0.011
6.5	-0.107	-13.477	-0.0073	0.0057	-0.120	-13.555	-0.078	-0.023
7.0	-0.159	-13.370	-0.0095	0.0061	-0.176	-13.425	-0.055	-0.017
7.5	-0.165	-13.211	-0.0114	0.0101	-0.217	-13.249	-0.038	-0.029
8.0	-0.267	-13.032	-0.0153	0.0142	-0.295	-13.012	-0.010	-0.028
8.5	-0.247	-12.755	-0.0120	0.0111	-0.231	-12.787	0.013	0.016
9.0	-0.124	-12.508	-0.0047	0.0036	-0.083	-12.506	0.002	0.041
9.5	-0.269	-12.396	-0.0138	0.0151	-0.289	-12.427	-0.031	-0.020
10.0	-0.289	-12.115	-0.0201	0.0192	-0.289	-12.134	-0.019	0.000
10.5	-0.285	-11.826	-0.0206	0.0193	-0.297	-11.743	-0.015	-0.008
11.0	-0.332	-11.547	-0.0178	0.0180	-0.335	-11.548	-0.011	-0.007
11.5	-0.337	-10.969	-0.0174	0.0163	-0.337	-10.973	-0.004	0.010
12.0	-0.337	-10.622	-0.0169	0.0156	-0.324	-10.636	-0.014	0.013
12.5	-0.346	-10.285	-0.0179	0.0156	-0.345	-10.312	-0.027	-0.001
13.0	-0.416	-9.941	-0.0206	0.0194	-0.400	-9.967	-0.026	0.016
13.5	-0.397	-9.535	-0.0195	0.0181	-0.376	-9.567	-0.032	0.023
14.0	-0.406	-9.134	-0.0206	0.0196	-0.402	-9.191	-0.056	-0.006
14.5	-0.442	-8.728	-0.0237	0.0222	-0.459	-8.799	-0.061	-0.017
15.0	-0.463	-8.286	-0.0255	0.0244	-0.499	-8.339	-0.044	-0.036
15.5	-0.502	-7.823	-0.0264	0.0255	-0.514	-7.831	-0.008	-0.006
16.0	-0.493	-7.315	-0.0246	0.0235	-0.481	-7.317	-0.002	0.012
16.5	-0.492	-6.822	-0.0235	0.0245	-0.501	-6.836	-0.014	-0.009
17.0	-0.500	-6.330	-0.0257	0.0248	-0.503	-6.333	-0.003	-0.003
17.5	-0.503	-5.830	-0.0259	0.0245	-0.507	-5.832	-0.002	-0.004
18.0	-0.478	-5.327	-0.0253	0.0241	-0.490	-5.325	0.002	0.004
18.5	-0.433	-4.827	-0.0254	0.0240	-0.494	-4.831	-0.002	-0.011
19.0	-0.480	-4.346	-0.0266	0.0252	-0.516	-4.337	0.009	-0.038
19.5	-0.453	-3.866	-0.0217	0.0206	-0.423	-3.819	0.047	0.030
20.0	-0.354	-3.413	-0.0169	0.0154	-0.325	-3.396	0.017	0.029
20.5	-0.383	-3.055	-0.0204	0.0191	-0.395	-3.071	-0.012	-0.007
21.0	-0.440	-2.671	-0.0224	0.0210	-0.434	-2.676	-0.005	0.006
21.5	-0.415	-2.231	-0.0203	0.0192	-0.395	-2.242	-0.011	0.020
22.0	-0.355	-1.816	-0.0185	0.0172	-0.357	-1.847	-0.031	-0.002
22.5	-0.349	-1.461	-0.0178	0.0166	-0.344	-1.490	-0.027	0.005
23.0	-0.340	-1.112	-0.0181	0.0167	-0.348	-1.146	-0.034	-0.008
23.5	-0.359	-0.772	-0.0191	0.0178	-0.369	-0.798	-0.026	-0.010
24.0	-0.413	-0.413	-0.0222	0.0207	-0.429	-0.429	-0.016	-0.016

CALIBRATION SHEET FOR INCLINOMETER

Z-S : A axis DATE : Dec. 23, 1989

DEPTH	A(I) Sep. 26, 1989	T/A(I)	A(C) Dec. 25, 1989	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.026	-13.332	-0.0009	0.0010	-0.014	-13.646	0.154	0.007
1.0	-0.026	-13.606	-0.0002	-0.0002	0.000	-13.627	0.179	0.026
1.5	-0.010	-13.760	0.0004	-0.0009	0.013	-13.627	0.153	0.023
2.0	-0.014	-13.770	0.0001	-0.0007	0.008	-13.640	0.130	0.022
2.5	-0.036	-13.756	-0.0008	0.0004	-0.012	-13.668	0.108	0.024
3.0	-0.063	-13.720	-0.0027	0.0021	-0.048	-13.636	0.084	0.015
3.5	-0.040	-13.657	-0.0021	0.0017	-0.033	-13.595	0.069	0.002
4.0	-0.005	-13.617	-0.0005	0.0000	-0.005	-13.550	0.067	0.000
4.5	-0.012	-13.612	-0.0006	0.0001	-0.007	-13.595	0.067	0.005
5.0	-0.041	-13.599	-0.0019	0.0015	-0.036	-13.538	0.062	0.007
5.5	-0.033	-13.559	-0.0018	0.0012	-0.030	-13.504	0.055	0.003
6.0	-0.049	-13.524	-0.0024	0.0019	-0.043	-13.474	0.052	0.006
6.5	-0.107	-13.497	-0.0057	0.0051	-0.102	-13.441	0.046	-0.005
7.0	-0.139	-13.370	-0.0069	0.0034	-0.173	-13.323	0.047	-0.034
7.5	-0.194	-13.213	-0.0103	0.0098	-0.201	-13.150	0.061	-0.012
8.0	-0.267	-13.022	-0.0143	0.0133	-0.261	-12.949	0.073	-0.014
8.5	-0.247	-12.755	-0.0136	0.0131	-0.267	-12.668	0.087	-0.020
9.0	-0.124	-12.508	-0.0056	0.0050	-0.106	-12.401	0.107	0.018
9.5	-0.255	-12.394	-0.0117	0.0112	-0.229	-12.295	0.099	0.040
10.0	-0.185	-12.115	-0.0195	0.0192	-0.353	-12.056	0.049	0.034
10.5	-0.389	-11.726	-0.0203	0.0197	-0.400	-11.581	0.045	-0.011
11.0	-0.368	-11.337	-0.0192	0.0185	-0.380	-11.281	0.056	-0.012
11.5	-0.347	-10.966	-0.0175	0.0173	-0.351	-10.901	0.065	-0.004
12.0	-0.337	-10.632	-0.0163	0.0156	-0.321	-10.560	0.072	0.016
12.5	-0.344	-10.285	-0.0161	0.0155	-0.319	-10.229	0.056	0.025
13.0	-0.405	-9.941	-0.0193	0.0188	-0.381	-9.913	0.028	0.023
13.5	-0.399	-9.535	-0.0190	0.0186	-0.376	-9.531	0.003	0.023
14.0	-0.405	-9.136	-0.0192	0.0185	-0.377	-9.136	-0.020	0.071
14.5	-0.440	-8.728	-0.0226	0.0222	-0.442	-8.779	-0.051	-0.006
15.0	-0.463	-8.284	-0.0251	0.0246	-0.497	-8.331	-0.047	-0.034
15.5	-0.506	-7.823	-0.0264	0.0257	-0.521	-7.834	-0.011	-0.013
16.0	-0.493	-7.315	-0.0241	0.0237	-0.478	-7.313	0.002	0.015
16.5	-0.492	-6.822	-0.0252	0.0240	-0.500	-6.835	-0.013	-0.009
17.0	-0.500	-6.330	-0.0255	0.0251	-0.506	-6.331	-0.006	-0.006
17.5	-0.503	-5.830	-0.0256	0.0250	-0.505	-5.829	0.001	-0.002
18.0	-0.499	-5.327	-0.0252	0.0250	-0.502	-5.324	0.003	-0.004
18.5	-0.483	-4.825	-0.0247	0.0242	-0.489	-4.822	0.003	-0.006
19.0	-0.480	-4.346	-0.0244	0.0253	-0.522	-4.333	0.013	-0.042
19.5	-0.433	-3.866	-0.0224	0.0229	-0.463	-3.911	0.045	-0.030
20.0	-0.354	-3.413	-0.0166	0.0161	-0.327	-3.346	0.067	0.027
20.5	-0.388	-3.059	-0.0188	0.0162	-0.350	-3.021	0.038	0.038
21.0	-0.440	-2.671	-0.0213	0.0212	-0.430	-2.671	0.000	0.010
21.5	-0.415	-2.231	-0.0210	0.0200	-0.416	-2.247	-0.010	-0.001
22.0	-0.355	-1.816	-0.0180	0.0175	-0.355	-1.825	-0.009	0.000
22.5	-0.349	-1.461	-0.0179	0.0175	-0.354	-1.470	-0.009	-0.005
23.0	-0.340	-1.112	-0.0173	0.0167	-0.340	-1.116	-0.004	0.000
23.5	-0.357	-0.772	-0.0184	0.0179	-0.363	-0.776	-0.004	-0.004
24.0	-0.413	-0.413	-0.0209	0.0204	-0.413	-0.413	0.000	0.000

CALIBRATION SHEET FOR INCLINOMETER

Z-3 : A axis DATE (Jan.22, 1990)

DEPTH	A(I) Sep. 24, 1995	T/A(I)	A(0) Jan. 22, 1990	A(180)	A(0)	T/A(0)	T/A(0) -T/A(I)	A(0) -A(I)
0.5	-0.026	-13.832	-0.0018	0.0016	-0.034	-13.699	0.133	-0.008
1.0	-0.026	-13.806	0.0000	0.0000	0.000	-13.625	0.181	0.026
1.5	-0.010	-13.780	0.0007	-0.0005	0.000	-13.625	0.155	0.010
2.0	-0.014	-13.770	0.0004	-0.0003	0.007	-13.625	0.145	0.021
2.5	-0.036	-13.756	-0.0005	0.0006	-0.011	-13.632	0.124	0.025
3.0	-0.063	-13.720	-0.0024	0.0026	-0.060	-13.621	0.099	0.013
3.5	-0.040	-13.697	-0.0017	0.0015	-0.030	-13.671	0.094	0.010
4.0	-0.005	-13.617	-0.0001	0.0003	-0.004	-13.541	0.076	0.001
4.5	-0.012	-13.612	-0.0004	0.0004	-0.008	-13.537	0.075	0.004
5.0	-0.041	-13.600	-0.0016	0.0015	-0.034	-13.529	0.071	0.007
5.5	-0.032	-13.569	-0.0013	0.0017	-0.030	-13.495	0.064	0.003
6.0	-0.049	-13.526	-0.0022	0.0019	-0.041	-13.465	0.061	0.008
6.5	0.107	-13.477	-0.0057	0.0056	-0.113	-13.424	0.053	-0.006
7.0	-0.139	-13.370	-0.0086	0.0087	-0.173	-13.311	0.059	-0.014
7.5	-0.139	-13.211	-0.0100	0.0103	-0.203	-13.138	0.073	-0.014
8.0	-0.247	-13.022	-0.0139	0.0140	-0.279	-12.935	0.087	-0.011
8.5	-0.247	-12.755	-0.0132	0.0132	-0.264	-12.657	0.098	-0.017
9.0	-0.124	-12.508	-0.0060	0.0053	-0.103	-12.393	0.115	0.021
9.5	-0.265	-12.384	-0.0119	0.0094	-0.203	-12.290	0.094	0.066
10.0	-0.389	-12.115	-0.0192	0.0192	-0.384	-12.087	0.028	0.005
10.5	-0.389	-11.726	-0.0199	0.0199	-0.397	-11.703	0.023	-0.008
11.0	-0.366	-11.337	-0.0190	0.0191	-0.381	-11.306	0.031	-0.012
11.5	-0.347	-10.959	-0.0177	0.0177	-0.350	-10.955	0.046	-0.009
12.0	-0.337	-10.622	-0.0166	0.0161	-0.317	-10.573	0.047	0.013
12.5	-0.344	-10.285	-0.0156	0.0156	-0.316	-10.286	0.024	0.028
13.0	-0.405	-9.941	-0.0189	0.0190	-0.379	-9.943	0.001	0.027
13.5	-0.399	-9.536	-0.0184	0.0187	-0.373	-9.561	-0.026	0.026
14.0	-0.408	-9.136	-0.0188	0.0191	-0.379	-9.184	-0.048	0.029
14.5	-0.442	-8.728	-0.0225	0.0225	-0.450	-8.909	-0.081	-0.009
15.0	-0.443	-8.256	-0.0247	0.0250	-0.492	-8.359	-0.073	-0.034
15.5	-0.506	-7.823	-0.0260	0.0268	-0.528	-7.862	-0.039	-0.020
16.0	-0.493	-7.315	-0.0255	0.0237	-0.475	-7.334	-0.019	0.018
16.5	-0.472	-6.823	-0.0237	0.0250	-0.497	-6.859	-0.037	-0.005
17.0	-0.500	-6.330	-0.0251	0.0253	-0.504	-6.362	-0.032	-0.004
17.5	-0.503	-5.830	-0.0252	0.0255	-0.507	-5.858	-0.028	-0.004
18.0	-0.498	-5.327	-0.0257	0.0252	-0.505	-5.351	-0.024	-0.007
18.5	-0.483	-4.829	-0.0245	0.0246	-0.491	-4.846	-0.017	-0.008
19.0	-0.480	-4.346	-0.0260	0.0252	-0.522	-4.389	-0.009	-0.042
19.5	-0.453	-3.866	-0.0230	0.0232	-0.462	-3.933	0.033	-0.009
20.0	-0.334	-3.413	-0.0171	0.0163	-0.324	-3.371	0.042	0.030
20.5	-0.388	-3.059	-0.0185	0.0169	-0.373	-3.047	0.012	0.015
21.0	-0.440	-2.671	-0.0215	0.0216	-0.431	-2.674	-0.003	0.009
21.5	-0.415	-2.231	-0.0206	0.0208	-0.414	-2.243	-0.012	0.001
22.0	-0.355	-1.816	-0.0178	0.0179	-0.357	-1.827	-0.013	-0.002
22.5	-0.349	-1.461	-0.0176	0.0178	-0.354	-1.472	-0.011	-0.005
23.0	-0.340	-1.112	-0.0169	0.0171	-0.340	-1.119	-0.006	0.000
23.5	-0.359	-0.772	-0.0181	0.0183	-0.364	-0.778	-0.006	-0.005
24.0	-0.413	-0.413	-0.0206	0.0208	-0.414	-0.414	-0.001	-0.001

CALIBRATION SHEET FOR INCLINOMETER

A-B & D axis DATE : Feb. 28, 1990

DEPTH	A(I) Sep. 26, 1989	T/A(I	A(0) Feb. 28, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.024	-13.832	-0.0005	0.0010	-0.019	-13.421	0.411	0.007
1.0	-0.026	-13.806	0.0005	-0.0004	0.009	-13.402	0.404	0.035
1.5	-0.010	-13.796	0.0008	-0.0005	0.000	-13.411	0.369	0.010
2.0	-0.014	-13.770	0.0003	-0.0002	0.005	-13.411	0.359	0.019
2.5	-0.036	-13.754	-0.0005	0.0007	-0.012	-13.416	0.340	0.024
3.0	-0.063	-13.720	-0.0022	0.0023	-0.045	-13.404	0.316	0.012
3.5	-0.040	-13.657	-0.0018	0.0019	-0.037	-13.359	0.298	0.003
4.0	-0.005	-13.617	-0.0002	0.0003	-0.005	-13.322	0.295	0.000
4.5	-0.012	-13.612	-0.0001	0.0004	-0.005	-13.317	0.295	0.007
5.0	-0.041	-13.600	-0.0015	0.0017	-0.032	-13.312	0.288	0.009
5.5	-0.033	-13.559	-0.0014	0.0015	-0.029	-13.280	0.279	0.004
6.0	-0.049	-13.526	-0.0021	0.0021	-0.042	-13.251	0.275	0.007
6.5	-0.107	-13.477	-0.0055	0.0055	-0.110	-13.209	0.268	-0.003
7.0	-0.159	-13.370	-0.0087	0.0088	-0.175	-13.099	0.271	-0.016
7.5	-0.189	-13.211	-0.0101	0.0103	-0.204	-12.924	0.287	-0.015
8.0	-0.267	-13.072	-0.0136	0.0137	-0.272	-12.720	0.302	-0.005
8.5	-0.247	-12.755	-0.0133	0.0134	-0.267	-12.448	0.307	-0.020
9.0	-0.124	-12.502	-0.0055	0.0057	-0.112	-12.181	0.327	0.012
9.5	-0.269	-12.384	-0.0121	0.0113	-0.234	-12.049	0.315	0.035
10.0	-0.389	-12.119	-0.0190	0.0190	-0.380	-11.835	0.280	0.009
10.5	-0.389	-11.725	-0.0196	0.0195	-0.391	-11.455	0.271	-0.002
11.0	-0.388	-11.337	-0.0189	0.0188	-0.377	-11.064	0.273	-0.009
11.5	-0.347	-10.967	-0.0175	0.0175	-0.350	-10.687	0.282	-0.003
12.0	-0.337	-10.632	-0.0144	0.0143	-0.287	-10.337	0.295	0.050
12.5	-0.344	-10.295	-0.0113	0.0113	-0.226	-10.050	0.235	0.118
13.0	-0.406	-9.941	-0.0145	0.0147	-0.292	-9.824	0.117	0.114
13.5	-0.379	-9.535	-0.0173	0.0173	-0.346	-9.532	0.003	0.053
14.0	-0.408	-9.136	-0.0187	0.0189	-0.376	-9.186	-0.050	0.032
14.5	-0.442	-8.728	-0.0224	0.0225	-0.449	-8.810	-0.082	-0.007
15.0	-0.463	-8.285	-0.0249	0.0251	-0.500	-8.361	-0.075	-0.037
15.5	-0.508	-7.823	-0.0231	0.0259	-0.520	-7.861	-0.038	-0.012
16.0	-0.493	-7.315	-0.0238	0.0239	-0.477	-7.341	-0.026	0.016
16.5	-0.472	-6.822	-0.0248	0.0250	-0.498	-6.864	-0.042	-0.026
17.0	-0.500	-6.330	-0.0261	0.0253	-0.504	-6.366	-0.036	-0.004
17.5	-0.503	-5.830	-0.0254	0.0255	-0.509	-5.862	-0.032	-0.006
18.0	-0.498	-5.327	-0.0251	0.0253	-0.504	-5.353	-0.026	-0.006
18.5	-0.483	-4.829	-0.0246	0.0246	-0.492	-4.849	-0.020	-0.009
19.0	-0.480	-4.346	-0.0259	0.0262	-0.521	-4.357	-0.011	-0.041
19.5	-0.453	-3.846	-0.0240	0.0231	-0.471	-3.836	0.030	-0.018
20.0	-0.364	-3.413	-0.0160	0.0162	-0.322	-3.360	0.048	0.032
20.5	-0.388	-3.059	-0.0185	0.0186	-0.371	-3.043	0.016	0.017
21.0	-0.440	-2.671	-0.0214	0.0215	-0.429	-2.672	-0.001	0.011
21.5	-0.415	-2.231	-0.0207	0.0208	-0.415	-2.243	-0.012	0.000
22.0	-0.355	-1.826	-0.0177	0.0180	-0.357	-1.828	-0.012	-0.002
22.5	-0.349	-1.461	-0.0175	0.0177	-0.352	-1.471	-0.010	-0.003
23.0	-0.340	-1.112	-0.0169	0.0171	-0.340	-1.119	-0.007	0.000
23.5	-0.359	-0.772	-0.0183	0.0183	-0.366	-0.779	-0.007	-0.007
24.0	-0.413	-0.413	-0.0206	0.0202	-0.413	-0.413	0.000	0.000

CALCULATION SHEET FOR INCLINOMETER

Z-3 : A axis DATE : MCH. 17, 1990

DEPTH	A(I) Sep. 26, 1989	T/A(I)	A(0) Mch. 17, 1990	A(180)	A(n)	T/A(n)	T/A(n) -T/A(I)	A(n) -A(I)
0.5	-0.026	-13.832	-0.0012	0.0012	-0.024	-13.000	0.832	0.002
1.0	-0.026	-13.806	0.0003	-0.0002	0.005	-12.976	0.830	0.031
1.5	-0.010	-13.780	0.0006	-0.0006	0.012	-12.981	0.799	0.022
2.0	-0.014	-13.770	0.0004	-0.0003	0.007	-12.993	0.777	0.021
2.5	-0.036	-13.756	-0.0004	0.0006	-0.010	-13.000	0.756	0.026
3.0	-0.063	-13.720	-0.0023	0.0023	-0.046	-12.990	0.730	0.017
3.5	-0.040	-13.657	-0.0017	0.0018	-0.035	-12.944	0.713	0.005
4.0	-0.005	-13.617	-0.0003	0.0003	-0.006	-12.909	0.708	-0.001
4.5	-0.012	-13.612	-0.0003	0.0004	-0.007	-12.903	0.709	0.005
5.0	-0.041	-13.600	-0.0016	0.0017	-0.033	-12.896	0.704	0.008
5.5	-0.033	-13.559	-0.0013	0.0014	-0.027	-12.863	0.696	0.006
6.0	-0.049	-13.526	-0.0020	0.0020	-0.040	-12.836	0.690	0.009
6.5	-0.107	-13.477	-0.0059	0.0058	-0.117	-12.795	0.681	-0.010
7.0	-0.159	-13.370	-0.0088	0.0090	-0.178	-12.679	0.691	-0.019
7.5	-0.189	-13.211	-0.0102	0.0105	-0.207	-12.501	0.710	-0.018
8.0	-0.267	-13.022	-0.0134	0.0136	-0.270	-12.294	0.728	-0.003
8.5	-0.247	-12.755	-0.0130	0.0133	-0.263	-12.024	0.731	-0.016
9.0	-0.124	-12.508	-0.0054	0.0056	-0.110	-11.761	0.747	0.014
9.5	-0.269	-12.384	-0.0115	0.0114	-0.229	-11.851	0.733	0.040
10.0	-0.389	-12.115	-0.0189	0.0190	-0.379	-11.422	0.693	0.010
10.5	-0.389	-11.726	-0.0193	0.0195	-0.388	-11.043	0.683	0.001
11.0	-0.368	-11.337	-0.0183	0.0190	-0.379	-10.655	0.682	-0.011
11.5	-0.347	-10.969	-0.0174	0.0176	-0.350	-10.278	0.693	-0.003
12.0	-0.337	-10.622	-0.0117	0.0117	-0.234	-9.926	0.696	0.103
12.5	-0.344	-10.285	-0.0039	0.0040	-0.079	-9.692	0.593	0.265
13.0	-0.406	-9.941	-0.0073	0.0075	-0.149	-9.613	0.328	0.258
13.5	-0.399	-9.535	-0.0157	0.0159	-0.316	-9.465	0.070	0.083
14.0	-0.408	-9.136	-0.0186	0.0189	-0.375	-9.149	-0.013	0.033
14.5	-0.442	-8.728	-0.0227	0.0227	-0.454	-8.774	-0.046	-0.012
15.0	-0.463	-8.286	-0.0250	0.0253	-0.503	-8.320	-0.034	-0.040
15.5	-0.508	-7.823	-0.0259	0.0259	-0.518	-7.317	0.003	-0.010
16.0	-0.493	-7.315	-0.0236	0.0238	-0.474	-7.299	0.016	0.019
16.5	-0.492	-6.822	-0.0246	0.0249	-0.495	-6.825	-0.003	-0.003
17.0	-0.500	-6.330	-0.0250	0.0252	-0.502	-6.330	0.000	-0.002
17.5	-0.503	-5.830	-0.0252	0.0254	-0.506	-5.828	0.002	-0.003
18.0	-0.498	-5.327	-0.0249	0.0252	-0.501	-5.322	0.005	-0.003
18.5	-0.483	-4.829	-0.0245	0.0246	-0.491	-4.821	0.008	-0.008
19.0	-0.480	-4.346	-0.0259	0.0261	-0.520	-4.330	0.016	-0.040
19.5	-0.453	-3.866	-0.0234	0.0232	-0.466	-3.810	0.056	-0.013
20.0	-0.354	-3.413	-0.0157	0.0161	-0.318	-3.344	0.069	0.036
20.5	-0.388	-3.059	-0.0184	0.0186	-0.370	-3.026	0.033	0.018
21.0	-0.440	-2.671	-0.0214	0.0214	-0.428	-2.656	0.015	0.012
21.5	-0.415	-2.231	-0.0204	0.0207	-0.411	-2.228	0.003	0.004
22.0	-0.355	-1.816	-0.0177	0.0178	-0.355	-1.817	-0.001	0.000
22.5	-0.349	-1.461	-0.0174	0.0176	-0.350	-1.462	-0.001	-0.001
23.0	-0.340	-1.112	-0.0163	0.0170	-0.338	-1.112	0.000	0.002
23.5	-0.359	-0.772	-0.0182	0.0183	-0.365	-0.774	-0.002	-0.006
24.0	-0.413	-0.413	-0.0203	0.0206	-0.409	-0.409	0.004	0.004