

Sample	Sample Location			Bedding Orientation			Core Orientation		Matrix Elements													
	GPS X	GPS Y	Elevation	Strike	Dip	Dip Direction	Core Azimuth	Core Plunge	k11	k22	k33	k12	k23	k13								
PdA1-1A	712500	4689051	3433	222	55	312	288	72	0.9899	1.0079	1.0022	-0.0014	0.0023	0.0073								
PdA1-2A									0.9881	1.0096	1.0023	0.0016	0.0006	0.0073								
PdA1-2B									0.9898	1.0085	1.0017	-0.0004	0.0001	0.0055								
PdA1-2C									0.9884	1.0079	1.0037	-0.0007	-0.0002	0.0056								
PdA1-3A									0.9877	1.0073	1.005	0.0051	-0.0003	0.0035								
PdA1-3B									0.9878	1.007	1.0052	0.0086	-0.0003	0.0037								
PdA1-4A									0.9977	1.0052	0.9971	0.0034	0.0004	-0.0049								
PdA1-4B									0.9945	1.0051	1.0004	0.0033	0.0002	-0.0061								
PdA1-5A									0.9932	1.0068	1	-0.0031	-0.0001	-0.0024								
PdA1-5B									0.9907	1.0065	1.0027	-0.0035	-0.0006	-0.0026								
PdA1-6A									0.9911	1.0062	1.0026	-0.0016	-0.0005	-0.0042								
PdA1-6B									0.9908	1.0064	1.0028	-0.0001	0.0009	-0.0044								
PdA2-1A	712304	4688482	1075	197	55	287	111	40	1.0064	1.0096	0.984	0.0021	0.0006	-0.0042								
PdA2-1B									1.0081	1.0094	0.9825	0.0013	0.0018	-0.0053								
PdA2-2A									1.0065	1.0102	0.9834	0.003	0.0068	-0.0043								
PdA2-2B									1.0054	1.0105	0.9841	0.0036	0.0031	-0.0051								
PdA2-3A									1.0104	1.0138	0.9758	0.0024	0.0056	-0.0034								
PdA2-3B									1.0053	1.0068	0.988	0.002	0.0042	-0.0002								
PdA2-4A									1.006	1.0116	0.9824	0.0015	0.0003	-0.0046								
PdA2-4B									1.0022	1.0087	0.9891	0.0026	0	-0.0052								
PdA2-5A									1.005	1.0092	0.9858	0.0014	-0.0041	-0.0015								
PdA2-5B									1.0033	1.0103	0.9864	0.0019	-0.0046	-0.0015								
PdA2-5C									1.0058	1.0149	0.9793	0.0019	-0.003	-0.0014								
PdA2-6A									1.0052	1.0112	0.9836	0.0018	-0.0016	-0.0022								
PdA2-6B									1.0038	1.0106	0.9856	0.0019	-0.0016	-0.0024								
PdA2-7A									1.0061	1.0114	0.9824	0.0031	-0.0009	-0.0047								
PdA2-7B	1.0052	1.009	0.9859	0.0025	0.0018	-0.004																
PdA3-1A	712103	4688028	1054	190	55	280	89	38	1.0022	1.0098	0.988	0.0044	-0.0015	-0.0041								
PdA3-1B									0.9994	1.0101	0.9905	0.0037	-0.0046	-0.0064								
PdA3-2A									1.0032	1.0067	0.9901	0.0053	-0.0012	-0.0031								
PdA3-2B									1.0045	1.0079	0.9876	0.0052	-0.0016	-0.0014								
PdA3-2C									1.0068	1.0118	0.9814	0.0065	0.0007	-0.0012								
PdA3-3A									1.0023	1.0092	0.9886	0.0045	-0.0011	-0.0055								
PdA3-3B									1.0018	1.0094	0.9888	0.0052	0	-0.008								
PdA3-4A									1.002	1.0073	0.993	0.0075	0	-0.0039								
PdA3-4B									1.0025	1.0079	0.9896	0.0057	0.0013	-0.0055								
PdA3-4C									1.0052	1.0085	0.9863	0.0053	-0.0008	-0.0062								
PdA3-5A									1.0036	1.001	0.9954	-0.0082	-0.0088	-0.0008								
PdA3-5B									1.0047	1.0001	0.9953	-0.0085	-0.0086	-0.0006								
PdA3-6A									0.9945	1.01	0.9956	0.0034	-0.002	-0.0075								
PdA4-1A									711616	4687968	1038	234	30	324	314	24	0.9963	1.0057	0.998	0.0011	0.0035	-0.003
PdA4-1B	0.9963	1.0061	0.9976	0	0.0034	-0.0025																
PdA4-1C	0.9937	1.0033	1.003	0.0009	0.0027	-0.0014																
PdA4-2A	0.9917	1.0103	0.9992	0.0021	0.0035	0																
PdA4-2B	0.995	1.0015	1.0034	0.0024	0.0024	-0.0005																
PdA4-3A	0.9939	1.0028	1.0033	0.0004	0.0036	-0.0032																
PdA4-3B	0.9934	1.003	1.0037	0.0013	0.0042	-0.004																
PdA4-4A	0.9936	1.0034	1.003	-0.0008	0.0036	-0.0063																
PdA4-4B	0.9938	1.0038	1.0024	0.0003	0.0033	-0.0053																
PdA4-5A	0.992	1.0052	1.0028	0.0016	0.0057	-0.0043																
PdA4-6A	0.9958	1.0035	1.0006	0.001	0.0034	-0.0026																
PdA5-1A	710894	4688097	1085	270	35	360	64	32									0.9966	1.0055	0.9979	0.0035	-0.0054	0.0001
PdA5-2A																	0.9947	1.0066	0.9988	0.0028	-0.004	0.0003
PdA5-2B																	0.9939	1.0063	0.9998	0.0029	-0.0046	0.0021
PdA5-2C									0.9936	1.0083	0.9981	0.0034	-0.0037	0.0025								
PdA5-3A									0.9977	1.0027	0.9996	0.0066	-0.0041	-0.0024								
PdA5-3B									0.9958	1.0033	1.001	0.0061	-0.0047	-0.0028								
PdA5-4A									0.9998	1.0032	0.997	0.0049	-0.0041	-0.0019								
PdA5-4B									0.9986	1.0024	0.999	0.0042	-0.003	-0.0005								
PdA5-5A									0.9983	1.0029	0.9988	0.0065	-0.0033	0.0014								
PdA5-5B									0.998	1.0045	0.9974	0.0042	-0.0035	0.0013								
PdA5-6A									0.9988	1.0042	0.997	0.0076	-0.0036	0.0005								
PdA5-6B									0.9971	1.0043	0.9986	0.0072	-0.0038	0.0007								
PdA6-1A									712032	4687005	1003	232	23	322	2	54	0.9924	1.0003	1.0073	0.0046	-0.0063	0.0113
PdA6-1B																	1.0003	1.0091	0.9906	-0.003	-0.0062	0.0196
PdA6-2A	0.9876	1	1.0123	0.0101	-0.0022	0.0073																
PdA6-3A	0.9955	1.0087	0.9958	0.0015	0.0019	0.0093																
PdA6-3B	0.9908	1.0054	1.0038	-0.0004	-0.0002	0.0109																
PdA6-4A	0.9917	0.9973	1.011	0.0038	-0.0068	0.0098																
PdA6-4B	0.9937	0.9967	1.0097	0.005	-0.0048	0.0094																
PdA6-5A	0.9905	0.9989	1.0106	0.0022	-0.0015	0.0131																
PdA6-5B	0.9933	1.0056	1.0011	0.0007	-0.0037	0.0126																
PdA6-6A	0.9835	1.0115	1.005	0.0056	-0.0011	0.0152																
PdA6-7A	0.9747	1.0084	1.0169	0.0151	0.0005	0.0161																
PdA7-1A	710340	4688055	1125	242	23	332	344	22									0.994	1.002	1.0039	-0.0035	-0.0021	-0.0025
PdA7-1B																	0.9919	1.0031	1.005	-0.0016	-0.0019	-0.004
PdA7-2A																	0.9954	1.0018	1.0028	0.0011	0.0001	-0.0014
PdA7-2B									0.9983	0.9968	1.0049	-0.0006	-0.0001	-0.001								
PdA7-3A									0.9994	1.0019	0.9987	0.0025	-0.0004	0.0026								
PdA7-3B									0.9916	1.0035	1.0049	-0.0006	0.002	0.0029								
PdA7-4A									0.9914	1.0004	1.0082	-0.0001	0.0029	0.0014								
PdA7-4B									0.9947	1.0042	1.0011	0.0029	0.0042	0.0017								
PdA7-5A									1.0036	1.0075	0.9888	0.0015	0.0009	0.0023								
PdA7-5B									0.9963	1.0013	1.0024	0.0009	0.0023	0.0041								
PdA7-6A									0.996	0.9993	1.0047	-0.0009	0.0013	0.0045								
PdA7-6B									0.9981	1.0009	1.001	-0.0016	0.002	0.0031								
PdA8-1A									711377	4686777	974	274	27	4	173	61	1.0177	1.0058	0.9765	0.0008	-0.0031	0.001
PdA8-2A																	1.0174	1.0098	0.9728	0.0021	-0.0049	0.0021
PdA8-3A	1.0169	1.0083	0.9748	-0.0036	0.0012	0.0027																
PdA8-4A	0.9843	0.9996	1.0162	-0.0161	0.0082	0.0084																
PdA8-5A	0.9749	1.0055	1.0196	-0.0134	0.0045	0.0049																
PdA8-5B	0.9752	1.0069	1.0179	-0.0077	0.0056	0.0041																
PdA8-6A	0.9861	1.0001	1.0138	-0.0137	0.0078	0.0041																
PdA8-6B	0.9829	1.0004	1.0166	-0.0123	0.0055	-0.0001																
PdA9-1A	710628	4687474	997	255	23	345	14	48									0.9962	1.0015	1.0024	-0.0001	-0.0037	0.0045
PdA9-1B																	0.9959	1.0005	1.0036	-0.0004	-0.0054	0.0031
PdA9-2A																	0.9983	1.0039	0.9978	-0.0006	-0.0042	0.0037
PdA9-3A																	0.9977	0.9998	1.0025	-0.0025	-0.0004	0.0039
PdA9-3B																	0.9965	1.0015	1.0019	-0.0017	-0.0023	0.0042
PdA9-4A																	0.9974	1.0021	1.0005	0.0002	-0.005	-0.0036
PdA9-4B									0.9964	1.0021	1.0015	0.0011	-0.0025	0.0038								
PdA9-5A									4	51	1.0022	1.0046	0.9932	-0.001	-0.0005	0.0054						
PdA9-6A									0.9961	1.0012	1.0027	-0.0021	-0.0023	0.0057								
PdA9-6B									0.9957	1.0027	1.0016	-0.0016	-0.0024	0.0045								
PdA10-1A									710587	4687662	928	265	25	355	330	37	0.9984	0.9997	1.0018	-0.0003	0.0026	0.0031
PdA10-1B																	0.9994	0.9979	1.0027	-0.0012	0.0037	0.0037
PdA10-2A																	0.9948	1.0007	1.0045	0.0021	0.0037	0.0001
PdA10-2B																	0.9969	1.0032	0.9998	0.0021	0.0028	0.001
PdA10-3A	0.9974	0.9989	1.0038	-0.0004	0.0029	0.0015																
PdA10-3B	0.999	0.998	1.003	0.0001	0.0037	-0.0006																
PdA10-4A	0.9969	1.0015	1.0016	-0.0017	0.0012	0.0022																
PdA10-4B	0.9978	0.9996	1.0026	-0.0013	0.0015	0.0012																
PdA10-5A	0.9992	0.9982	1.0026	-0.0008	0.0018	0.0029																
PdA10-5B	0.9981	0.9989	1.003	0	0.0033	0.003																
PdA10-6A	1.0003	0.9983	1.0014	0.0004	0.0045	0.0053																
PdA10-6B	0.9992	0.9989	1.0018	0.0019	0.0037	0.0045																
PdA11-1A	710927	4687725	942	200	43	290	321	50									0.997	1.0001	1.0029	0.0008	0.0021	0.0038
PdA11-1B																	0.9962	1.0011	1.0027	0.0026	0.0023	0.0044

PdA11-2A							327	49	0.9971	0.9995	1.0033	0.0014	0.0022	0.0029
PdA11-3A							284	47	0.9972	1.003	0.9998	-0.0019	0.0039	0.0017
PdA11-4A							289	52	0.9958	1.0015	1.0027	-0.0033	0.006	0.0006
PdA11-4B							289	52	0.995	1.0019	1.0031	-0.002	0.0049	-0.0004
PdA11-5A							231	54	0.9993	1.0039	0.9967	-0.0011	0.0028	0.0014
PdA11-5B							231	54	0.9988	1.0035	0.9977	-0.0011	0.0046	0.0025
PdA11-6A							312	51	0.9995	1.002	0.9985	-0.0002	0.0032	0.0018
PdA11-6B							312	51	0.998	1.0024	0.9996	0.0007	0.0046	0.0013
PdA12-1A	712450	4688956	1026	212	52	302	9	59	1.0059	0.9917	1.0024	0.0023	-0.0093	0.0023
PdA12-1B							19	59	1.0064	0.9898	1.0038	0.0019	-0.0105	0.0022
PdA12-2A							14	61	1.0055	0.9939	1.0006	0.003	-0.0095	0.0033
PdA12-2B							14	61	1.0054	0.9933	1.0013	0.0043	-0.0115	0.0048
PdA12-3A							354	63	1.0027	0.9954	1.0019	0.0069	-0.0084	0.0063
PdA12-4A							353	55	0.9999	0.9945	1.0056	0.0099	-0.0069	0.0033
PdA12-4B							353	55	1.0028	0.9936	1.0036	0.0057	-0.0065	0.0022
PdA12-5A							347	61	0.9908	1.001	1.0083	0.0107	-0.0037	0.0088
PdA12-6A							335	57	0.9964	0.9986	1.005	0.0094	-0.0031	0.0065
PdA12-6B							335	57	0.9931	0.9993	1.0076	0.0091	-0.0036	0.0053
PdA12-7A							336	59	0.9948	0.9988	1.0064	0.0094	-0.0011	0.0059
PdA12-7B							336	59	0.9912	1.0027	1.006	0.0074	-0.0014	0.0057
PdA13-1A	712242	4688441	986	200	43	290	302	18	0.9993	1.006	0.9948	0	-0.0023	-0.0041
PdA13-2A							299	21	1.0124	1.011	0.9766	0.0015	-0.0026	-0.0049
PdA13-2B							299	21	0.9998	1.0092	0.991	0.0035	-0.0021	-0.0052
PdA13-3A							299	27	0.9987	1.0052	0.9961	-0.0004	-0.0026	-0.0034
PdA13-3B							299	27	0.999	1.0066	0.9943	0.0015	-0.001	-0.0045
PdA13-4A							283	14	1.0024	1.0084	0.9892	0.0031	0.0014	-0.0049
PdA13-4B							283	14	1.0002	1.0028	0.997	0.0037	-0.0003	0.0052
PdA13-4C							283	14	0.9995	1.0057	0.9948	0.0023	-0.0004	-0.0056
PdA13-5A							289	29	1.0001	1.0024	0.9975	-0.0023	-0.005	-0.0029
PdA13-6A							296	26	1.0057	1.0027	0.9916	-0.0022	-0.0049	-0.0006
PdA13-6B							296	26	1.0079	0.9999	0.9922	-0.003	-0.0051	-0.0022
PdA14-1A	711824	4688928	1097	220	33	310	343	19	0.9892	1.0028	1.008	0.0055	0.0004	-0.0025
PdA14-2A							332	22	0.99	1.0005	1.0095	0.0007	0.002	-0.0012
PdA14-2B							332	22	0.9927	1.0073	1.0073	0.003	0.0022	0.0063
PdA14-3A							334	24	0.9997	0.9958	1.0045	0.0071	0.0044	-0.0034
PdA14-3B							334	24	0.9986	0.9953	1.0061	0.0068	0.005	-0.004
PdA14-3C							334	24	0.9995	0.9956	1.0049	0.0065	0.0031	-0.0002
PdA14-4A							335	26	0.9928	1.0004	1.0068	0.0045	0.0031	-0.0024
PdA14-4B							335	26						
PdA14-5A							331	36	0.9926	0.999	1.0084	0.01	0.0039	-0.0039
PdA14-5B							331	36	0.9925	0.9977	1.0099	0.0107	0.0033	-0.0017
PdA14-6A							324	19	0.9963	0.9996	1.0041	0.0059	0.0053	-0.005
PdA14-6B							324	19						
PdA15-1A	713596	4689488	1188	270	30	0	302	18	0.9866	1.0041	1.0093	-0.0034	-0.0007	0.0025
PdA15-1B							302	18	0.9912	1.0006	1.0082	-0.0089	0.0013	0.0039
PdA15-2A							299	27	0.9846	1.0052	1.0102	-0.0075	0.0016	0.0042
PdA15-3A							299	27						
PdA15-4A							283	14	0.9929	0.9993	1.0078	-0.009	0.0009	0.0017
PdA15-4B							283	14	0.9909	0.9982	1.0109	-0.0099	0.0015	0.002
PdA15-5A							289	29	0.9914	1.0017	1.0069	-0.0093	0.0039	0.0052
PdA15-6A							296	26	0.9961	0.9978	1.0061	-0.0096	0.0031	0.0037
PdA15-6B							296	26	0.996	0.9989	1.0052	-0.0089	0.0027	0.0028
PdA16-1A	714043	4689409	1226	295	50	25	15	47	0.9914	1.0084	1.0003	-0.0014	-0.001	0.0027
PdA16-1B							15	47	0.9899	1.0066	1.0035	-0.0028	0.0009	0.0042
PdA16-2A							16	38	0.9871	1.0085	1.0044	0.0044	-0.0007	0.0013
PdA16-2B							16	38	0.9869	1.008	1.005	0.0037	-0.0007	0.0013
PdA16-3A							10	34	0.9867	1.0085	1.0048	-0.0019	-0.0001	0.0003
PdA16-3B							10	34	0.9867	1.0077	1.0056	-0.0021	0.0004	-0.0004
PdA16-3C							10	34	0.9874	1.008	1.0046	0.0017	0.0002	0.0013
PdA16-4A							20	44	0.989	1.0073	1.0037	0.0019	-0.0003	0.0032
PdA16-4B							20	44	0.9853	1.0086	1.0061	-0.0023	-0.0004	0.0036
PdA16-4C							20	44	0.9901	1.0062	1.0037	0.0037	0.0076	0
PdA16-5A							28	35	0.9863	1.008	1.0057	-0.0009	-0.0006	0.0009
PdA16-5B							28	35	0.9865	1.0072	1.0062	-0.0009	-0.0014	0.0018
PdA16-6A							20	38	0.99	1.0028	1.0072	-0.009	0.0005	0.0031
PdA17-1A	715084	4688885	1146	295	36	25	36	52	0.9933	1.0023	1.0043	-0.0021	-0.0028	0.0023
PdA17-1B							36	52	0.9938	1.0067	0.9995	0.0023	-0.0031	-0.0025
PdA17-1C							36	52	0.9934	1.0044	1.0022	0.0011	-0.0041	0.0001
PdA17-2A							34	54	0.9878	1.0069	1.0052	0.0006	-0.0036	0.0009
PdA17-3A							12	33	0.9893	1.0067	1.004	-0.0011	-0.0039	-0.0067
PdA17-3B							12	33	0.9883	1.0019	1.0097	-0.0008	-0.0058	0.0006
PdA17-4A							30	26	0.9914	1.0044	1.0042	0.0008	-0.0034	-0.0033
PdA17-4B							30	26	0.991	1.0033	1.0057	0.002	-0.0029	-0.0058
PdA17-6A							34	28	0.9962	1.0056	0.9982	0.0011	-0.0032	-0.0022
PdA18-1A	715759	4688336	1012	284	43	14	56	36	0.9949	1.0055	0.9996	0.0038	-0.0052	-0.0003
PdA18-1B							56	36	0.9933	1.0042	1.0024	0.0046	-0.0044	0.0011
PdA18-2A							55	42	0.9927	1.0052	1.0021	0.0028	-0.0044	0.0003
PdA18-2B							49	41	0.9928	1.0042	1.0029	0.0043	-0.0053	0.0007
PdA18-3A							49	41	0.9946	1.0034	1.002	0.0025	-0.0048	0.0003
PdA18-3B							49	41	0.9938	1.0063	0.9999	0.001	-0.0045	0.0005
PdA18-3C							49	41	0.9942	1.0052	1.0006	0.0011	-0.0051	0.0018
PdA18-4A							52	43	0.9949	1.0044	1.0007	0.004	-0.0054	0.0004
PdA18-4B							52	43	0.9953	1.0017	1.003	0.005	-0.0051	0.0008
PdA18-5A							46	34	0.9971	1.0035	0.9994	0.0001	-0.0052	-0.0013
PdA18-5B							46	34	0.9963	1.0006	1.0037	0.001	-0.0057	-0.0022
PdA18-6A							41	29	0.9973	1.0051	0.9976	0.003	-0.0042	-0.0011
PdA18-6B							41	29	0.9958	1.0013	1.003	0.0027	-0.0042	-0.0007
PdA19-1A	715548	4688213	990	256	27	346	3	14	0.9945	0.998	1.0075	-0.0008	-0.0027	-0.0036
PdA19-1B							3	14	0.9933	0.9982	1.0085	0.0021	-0.0012	-0.0016
PdA19-2A							359	17	1.0008	0.9997	0.9995	-0.0022	-0.0025	-0.0011
PdA19-2B							359	17	0.9965	0.9955	1.008	0.0021	-0.003	-0.0006
PdA19-3A							0	32	0.9953	0.998	1.0067	-0.0001	-0.0024	0.0009
PdA19-3B							0	32	0.9958	0.9996	1.0045	0.0004	-0.0041	-0.0009
PdA19-4A							356	43	0.9995	0.9962	1.0043	-0.0027	0.0009	0.0045
PdA19-4B							356	43	1.0009	1.0013	0.9978	-0.0002	0.0011	0.0002
PdA19-5A							4	32	1.0006	0.9999	0.9996	0.0001	-0.0034	0.0007
PdA19-5B							4	32	0.9962	0.9996	1.0043	-0.0008	-0.0024	0.0014
PdA19-6A							1	38	0.9955	0.9984	1.0061	-0.0005	-0.0041	-0.0006
PdA19-6B							1	38	0.9944	0.9972	1.0083	0.002	-0.0001	0.0012
PdA20-1A	715013	4688447	1021	294	25	24	73	52	0.9937	1.0096	0.9967	0.0032	-0.0045	-0.0081
PdA20-1B							73	52	0.994	1.01	0.996	0.0023	-0.0037	-0.0073
PdA20														

