

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10004	1/08/98	EL 5062	302857	8497802	da98b1A0004	100	0	0	0	0	0	0	0	2196	2356	27.2289
DA98B10005	1/08/98	EL 5062	305132	8497937	da98b1A0005	100	0	0	0	0	0	0	0	2196	2356	26.32198
DA98B10006	1/08/98	EL 5062	291724	8499808	da98b1A0006	100	0	0	0	0	0	0	0	2196	2348	34.58473
DA98B10007	1/08/98	EL 5062	293991	8499841	da98b1A0007	100	0	0	0	0	0	0	0	2196	2348	34.58473
DA98B10008	1/08/98	EL 5062	295961	8499791	da98b1A0008	100	0	0	0	0	0	0	0	2192	2352	39.04584
DA98B10009	1/08/98	EL 5062	297945	8499773	da98b1A0009	100	0	0	0	0	0	0	0	2192	2350	15.29067
DA98B10010	1/08/98	EL 5062	299943	8499815	da98b1A0010	75.23785	0	0	24.76214	0	0	0	0	2204	2356	28.87707
DA98B10011	1/08/98	EL 5062	302012	8499875	da98b1A0011	100	0	0	0	0	0	0	0	2194	0	12.01635
DA98B10012	1/08/98	EL 5062	304101	8499987	da98b1A0012	73.47827	0	0	26.52172	0	0	0	0	2204	2352	27.40605
DA98B10013	1/08/98	EL 5062	308198	8500213	da98b1A0013	15.03548	0	0	84.96452	0	0	0	0	2204	2354	24.27289
DA98B10014	1/08/98	EL 5062	310089	8499500	da98b1A0014	100	0	0	0	0	0	0	0	2204	2350	21.82416
DA98B10024	23/09/98	EL 5061	340968	8537813	DA98B1A0024	100	0	0	0	0	0	0	0	2204	0	29.57311
DA98B10025	23/09/98	EL 5061	341235	8541957	DA98B1A0025	100	0	0	0	0	0	0	0	2204	0	44.23491
DA98B10026	23/09/98	EL 5061	340917	8546123	DA98B1A0026	100	0	0	0	0	0	0	0	2202	0	14.71792
DA98B10027	23/09/98	EL 5061	340881	8549919	DA98B1A0027	78.77449	0	0	21.22551	0	0	0	0	2204	0	32.86878
DA98B10028	23/09/98	EL 5061	340806	8552041	DA98B1A0028	100	0	0	0	0	0	0	0	2206	0	12.25426
DA98B10029	23/09/98	EL 5061	341641	8554693	DA98B1A0029	100	0	0	0	0	0	0	0	2202	0	18.61816
DA98B10030	23/09/98	EL 5061	341077	8556449	DA98B1A0030	65.98085	0	0	0	34	0	0	0	2206	2346	4.323674
DA98B10031	23/09/98	EL 5061	341061	8558134	DA98B1A0031	97.26637	0	0	2.733636	0	0	0	0	2204	0	28.49586
DA98B10032	23/09/98	EL 5061	341247	8559847	DA98B1A0032	91.87339	8	0	0	0	0	0	0	2200	0	11.74472
DA98B10033	23/09/98	EL 5061	342379	8561928	DA98B1A0033	100	0	0	0	0	0	0	0	2202	0	9.393241
DA98B10034	23/09/98	EL 5061	341985	8560016	DA98B1A0034	93.62594	0	0	0	0	6	0	0	2200	0	24.75355
DA98B10035	23/09/98	EL 5061	341921	8558021	DA98B1A0035	91.48992	0	0	0	0	9	0	0	2196	2346	9.532198
DA98B10036	23/09/98	EL 5061	342382	8555847	DA98B1A0036	100	0	0	0	0	0	0	0	2198	0	29.34392
DA98B10037	23/09/98	EL 5061	341971	8554241	DA98B1A0037	48.08168	0	0	51.91832	0	0	0	0	2206	0	43.9997
DA98B10038	23/09/98	EL 5061	342446	8552008	DA98B1A0038	100	0	0	0	0	0	0	0	2202	0	28.0702
DA98B10039	23/09/98	EL 5061	342032	8549367	DA98B1A0039	100	0	0	0	0	0	0	0	2202	0	26.65615
DA98B10040	23/09/98	EL 5061	341966	8548081	DA98B1A0040	100	0	0	0	0	0	0	0	2204	0	38.67752
DA98B10041	23/09/98	EL 5061	341894	8546036	DA98B1A0041	81.70086	0	0	0	0	18	0	0	2198	2338	6.237141
DA98B10042	23/09/98	EL 5061	344989	8547962	DA98B1A0042	100	0	0	0	0	0	0	0	2200	0	15.94278
DA98B10043	23/09/98	EL 5061	344954	8549803	DA98B1A0043	86.46855	14	0	0	0	0	0	0	2194	0	37.31948
DA98B10044	23/09/98	EL 5061	344931	8552301	DA98B1A0044	100	0	0	0	0	0	0	0	2204	0	26.66644
DA98B10045	23/09/98	EL 5061	344944	8554076	DA98B1A0045	100	0	0	0	0	0	0	0	2204	0	9.068461
DA98B10046	23/09/98	EL 5061	344983	8556301	DA98B1A0046	100	0	0	0	0	0	0	0	2200	0	27.31951
DA98B10047	23/09/98	EL 5061	345149	8558696	DA98B1A0047	100	0	0	0	0	0	0	0	2202	0	25.66537
DA98B10048	23/09/98	EL 5061	345100	8560221	DA98B1A0048	100	0	0	0	0	0	0	0	2206	0	22.63371
DA98B10049	23/09/98	EL 5061	346038	8561993	DA98B1A0049	100	0	0	0	0	0	0	0	2204	0	34.02134
DA98B10050	23/09/98	EL 5061	346032	8557932	DA98B1A0050	58.52035	0	0	41.47965	0	0	0	0	2206	0	32.34499
DA98B10051	23/09/98	EL 5061	345990	8553942	DA98B1A0051	0	0	0	0	0	100	0	1	2206	0	22.10797
DA98B10052	23/09/98	EL 5061	345953	8549964	DA98B1A0052	98.39985	2	0	0	0	0	0	0	2198	0	32.32143
DA98B10053	23/09/98	EL 5061	341967	8539749	DA98B1A0053	100	0	0	0	0	0	0	0	2206	2344	19.17923
DA98B10200	30/07/98	EL 5062	306778	8471795	da98b1A0200	35.15479	0	0	64.84521	0	0	0	0	2206	0	21.76111
DA98B10201	30/07/98	EL 5062	307342	8473993	da98b1A0201	94.04199	0	0	5.958008	0	0	0	0	2206	2350	23.39388
DA98B10203	30/07/98	EL 5062	299034	8489736	da98b1A0203	100	0	0	0	0	0	0	0	2212	2346	8.388165
DA98B10204	30/07/98	EL 5062	302127	8490002	da98b1A0204	100	0	0	0	0	0	0	0	2200	0	22.25692
DA98B10205	30/07/98	EL 5062	303780	8489630	da98b1A0205	47.62405	0	0	0	52	0	0	0	2206	0	26.25971
DA98B10206	30/07/98	EL 5062	303800	8489625	da98b1A0206	100	0	0	0	0	0	0	0	2208	2350	12.42362

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Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10207	30/07/98	EL 5062	296349	8492172	da98b1A0207	100	0	0	0	0	0	0	0	2198	2356	28.29902
DA98B10208	30/07/98	EL 5062	297182	8492070	da98b1A0208	100	0	0	0	0	0	0	0	2196	2352	27.73462
DA98B10209	30/07/98	EL 5062	298107	8491960	da98b1A0209	87.2643	0	0	12.7357	0	0	0	0	2202	2354	29.0747
DA98B10210	30/07/98	EL 5062	299199	8491873	da98b1A0210	76.5976	0	0	23.4024	0	0	0	0	2206	2356	33.09068
DA98B10211	30/07/98	EL 5062	303253	8491895	da98b1A0211	65.30426	0	0	34.69574	0	0	0	0	2206	0	13.03245
DA98B10212	30/07/98	EL 5062	304240	8491671	da98b1A0212	2.627869	0	0	97.37213	0	0	0	0	2206	0	19.18973
DA98B10213	30/07/98	EL 5062	305041	8492036	da98b1A0213	100	0	0	0	0	0	0	0	2206	2346	11.4583
DA98B10214	30/07/98	EL 5062	306110	8491707	da98b1A0214	41.77998	0	0	0	58	0	0	0	2206	0	32.97846
DA98B10215	30/07/98	EL 5062	294571	8493906	da98b1A0215	100	0	0	0	0	0	0	0	2196	2346	30.45612
DA98B10216	30/07/98	EL 5062	295051	8493937	da98b1A0216	48.31178	1	50	0	0	0	0	0	2204	2354	52.81935
DA98B10217	30/07/98	EL 5062	295840	8493913	da98b1A0217	100	0	0	0	0	0	0	0	2196	2350	43.67704
DA98B10218	30/07/98	EL 5062	296940	8493570	da98b1A0218	37.05854	1	62	0	0	0	0	0	2204	2354	60.16837
DA98B10219	30/07/98	EL 5062	298035	8493176	da98b1A0219	100	0	0	0	0	0	0	0	2198	2350	22.81124
DA98B10220	30/07/98	EL 5062	299445	8492399	da98b1A0220	46.04718	0	0	53.95282	0	0	0	0	2206	0	42.85655
DA98B10221	30/07/98	EL 5062	301715	8493480	da98b1A0221	100	0	0	0	0	0	0	0	2200	2348	32.84529
DA98B10222	30/07/98	EL 5062	303880	8493430	da98b1A0222	100	0	0	0	0	0	0	0	2206	2352	6.96377
DA98B10223	30/07/98	EL 5062	305325	8493592	da98b1A0223	100	0	0	0	0	0	0	0	2206	2354	13.21266
DA98B10224	30/07/98	EL 5062	307289	8493980	da98b1A0224	68.46934	0	0	31.53066	0	0	0	0	2206	0	22.11399
DA98B10225	31/07/98	EL 5062	295181	8495727	da98b1A0225	100	0	0	0	0	0	0	0	2194	2352	23.89
DA98B10226	31/07/98	EL 5062	297050	8496065	da98b1A0226	100	0	0	0	0	0	0	0	2196	2354	28.37469
DA98B10227	31/07/98	EL 5062	299209	8496355	da98b1A0227	100	0	0	0	0	0	0	0	2206	0	24.96959
DA98B10228	31/07/98	EL 5062	301178	8495721	da98b1A0228	30.09427	0	0	69.90573	0	0	0	0	2206	2352	5.647506
DA98B10229	31/07/98	EL 5062	302914	8495998	da98b1A0229	100	0	0	0	0	0	0	0	2204	0	27.83061
DA98B10230	31/07/98	EL 5062	304923	8495740	da98b1A0230	100	0	0	0	0	0	0	0	2200	2350	18.8201
DA98B10231	31/07/98	EL 5062	307872	8495560	da98b1A0231	74.7789	0	0	25.2211	0	0	0	0	2204	2354	6.429276
DA98B10232	31/07/98	EL 5062	292681	8497850	da98b1A0232	100	0	0	0	0	0	0	0	2194	2348	34.51993
DA98B10233	31/07/98	EL 5062	295053	8497923	da98b1A0233	100	0	0	0	0	0	0	0	2194	2350	31.69634
DA98B10234	31/07/98	EL 5062	296870	8497895	da98b1A0234	100	0	0	0	0	0	0	0	2196	2344	25.16085
DA98B10235	31/07/98	EL 5062	298640	8497685	da98b1A0235	0	100	0	0	0	0	11	1	2200	0	26.0243
DA98B10236	31/07/98	EL 5062	300814	8497632	da98b1A0236	29.92207	0	0	70.07793	0	0	0	0	2204	2356	28.03228
DA98B10237	1/08/98	EL 5062	303921	8497717	da98b1A0237	100	0	0	0	0	0	0	0	2196	0	27.63766
DA98B10238	1/08/98	EL 5062	308539	8497874	da98b1A0238	5.757751	0	0	94.24225	0	0	0	0	2206	2356	19.12989
DA98B10239	1/08/98	EL 5062	290872	8499650	da98b1A0239	100	0	0	0	0	0	0	0	2192	2350	13.9195
DA98B10240	1/08/98	EL 5062	292855	8499650	da98b1A0240	100	0	0	0	0	0	0	0	2196	2346	24.12846
DA98B10241	1/08/98	EL 5062	295180	8499794	da98b1A0241	46.15491	0	54	0	0	0	0	0	2204	2352	30.04368
DA98B10242	1/08/98	EL 5062	296950	8499560	da98b1A0242	99.15642	0	0	0.8435845	0	0	0	0	2194	2348	22.68554
DA98B10243	1/08/98	EL 5062	299067	8499961	da98b1A0243	100	0	0	0	0	0	0	0	2194	0	30.81698
DA98B10244	1/08/98	EL 5062	300730	8499850	da98b1A0244	100	0	0	0	0	0	0	0	2198	2354	23.20772
DA98B10245	1/08/98	EL 5062	302840	8499690	da98b1A0245	100	0	0	0	0	0	0	0	2196	2348	30.23039
DA98B10246	1/08/98	EL 5062	304960	8499890	da98b1A0246	37.4086	0	0	62.5914	0	0	0	0	2204	2352	5.053899
DA98B10247	1/08/98	EL 5061	310461	8499439	da98b1A0247	100	0	0	0	0	0	0	0	2202	0	31.9713
DA98B10302	25/08/98	EL 5061	317736	8501895	DA98B1A0302	100	0	0	0	0	0	0	0	2206	2344	6.813114
DA98B10303	25/08/98	EL 5061	315876	8502080	DA98B1A0303	46.83023	0	0	53.16977	0	0	0	0	2206	2356	6.653694
DA98B10304	25/08/98	EL 5061	312880	8502210	DA98B1A0304	100	0	0	0	0	0	0	0	2194	2350	31.5402
DA98B10305	25/08/98	EL 5062	307520	8502230	DA98B1A0305	27.02911	0	0	72.97089	0	0	0	0	2206	0	30.12152
DA98B10306	25/08/98	EL 5062	304325	8502475	DA98B1A0306	82.60725	0	0	17.39275	0	0	0	0	2206	2350	18.30302
DA98B10307	25/08/98	EL 5062	302400	8502475	DA98B1A0307	100	0	0	0	0	0	0	0	2198	2350	27.30134

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Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10308	25/08/98	EL 5062	300890	8501930	DA98B1A0308	100	0	0	0	0	0	0	0	2194	2352	26.21713
DA98B10309	25/08/98	EL 5062	298655	8501991	DA98B1A0309	100	0	0	0	0	0	0	0	2196	2352	23.12828
DA98B10310	25/08/98	EL 5062	296915	8502128	DA98B1A0310	100	0	0	0	0	0	0	0	2196	2352	23.58427
DA98B10311	25/08/98	EL 5062	294630	8502347	DA98B1A0311	100	0	0	0	0	0	0	0	2196	2350	29.64173
DA98B10312	25/08/98	EL 5062	293851	8501850	DA98B1A0312	100	0	0	0	0	0	0	0	2196	2350	28.38704
DA98B10313	25/08/98	EL 5062	292130	8502195	DA98B1A0313	100	0	0	0	0	0	0	0	2196	2356	27.45303
DA98B10314	26/08/98	EL 5062	292030	8504399	DA98B1A0314	100	0	0	0	0	0	0	0	2196	2356	37.858
DA98B10315	26/08/98	EL 5062	293798	8503842	DA98B1A0315	100	0	0	0	0	0	0	0	2196	2348	34.20466
DA98B10316	26/08/98	EL 5062	296200	8503880	DA98B1A0316	100	0	0	0	0	0	0	0	2200	2352	24.3914
DA98B10317	26/08/98	EL 5062	297960	8503985	DA98B1A0317	100	0	0	0	0	0	0	0	2194	2346	37.73138
DA98B10318	26/08/98	EL 5062	299866	8504045	DA98B1A0318	100	0	0	0	0	0	0	0	2204	2346	11.0633
DA98B10319	26/08/98	EL 5062	303190	8504200	DA98B1A0319	100	0	0	0	0	0	0	0	2196	2350	49.30083
DA98B10320	26/08/98	EL 5061	311100	8504870	DA98B1A0320	100	0	0	0	0	0	0	0	2194	2350	32.90663
DA98B10321	26/08/98	EL 5061	319610	8504293	DA98B1A0321	100	0	0	0	0	0	0	0	2204	2356	30.83779
DA98B10322	26/08/98	EL 5061	324223	8501997	DA98B1A0322	40.22915	0	0	59.77085	0	0	0	0	2206	0	14.61483
DA98B10323	26/08/98	EL 5061	321357	8506010	DA98B1A0323	0	0	0	100	0	0	0	0	2206	0	25.21258
DA98B10324	26/08/98	EL 5061	319677	8505860	DA98B1A0324	100	0	0	0	0	0	0	0	2204	2354	25.35733
DA98B10325	26/08/98	EL 5061	317791	8506094	DA98B1A0325	100	0	0	0	0	0	0	0	2196	2350	29.53247
DA98B10326	26/08/98	EL 5061	315924	8505979	DA98B1A0326	100	0	0	0	0	0	0	0	2196	2346	26.63997
DA98B10327	26/08/98	EL 5061	313938	8505931	DA98B1A0327	70.97005	0	0	29.02995	0	0	0	0	2206	2356	29.80775
DA98B10328	26/08/98	EL 5061	312196	8505985	DA98B1A0328	100	0	0	0	0	0	0	0	2196	2348	31.13313
DA98B10329	26/08/98	EL 5062	310066	8505998	DA98B1A0329	0	100	0	0	0	0	4	1	2198	0	26.71748
DA98B10330	26/08/98	EL 5062	307811	8506262	DA98B1A0330	58.60365	0	0	41.39635	0	0	0	0	2206	2356	35.70097
DA98B10331	26/08/98	EL 5062	305770	8506050	DA98B1A0331	80.16099	0	0	19.83901	0	0	0	0	2196	2350	11.63606
DA98B10332	26/08/98	EL 5062	303780	8506030	DA98B1A0332	98.9273	0	0	1.0727	0	0	0	0	2198	2352	13.74108
DA98B10333	27/08/98	EL 5062	291850	8505549	DA98B1A0333	100	0	0	0	0	0	0	0	2198	2356	15.31135
DA98B10334	27/08/98	EL 5062	294030	8505963	DA98B1A0334	100	0	0	0	0	0	0	0	2204	2352	42.22297
DA98B10335	27/08/98	EL 5062	296130	8506080	DA98B1A0335	100	0	0	0	0	0	0	0	2194	2350	26.4166
DA98B10336	27/08/98	EL 5062	298106	8505993	DA98B1A0336	100	0	0	0	0	0	0	0	2196	2346	14.98774
DA98B10337	27/08/98	EL 5062	300130	8505850	DA98B1A0337	100	0	0	0	0	0	0	0	2198	2350	14.02607
DA98B10338	27/08/98	EL 5062	302524	8506264	DA98B1A0338	100	0	0	0	0	0	0	0	2196	2352	28.8235
DA98B10339	27/08/98	EL 5062	290670	8508164	DA98B1A0339	100	0	0	0	0	0	0	0	2196	0	19.14952
DA98B10340	27/08/98	EL 5062	292210	8507955	DA98B1A0340	100	0	0	0	0	0	0	0	2196	2348	28.13226
DA98B10341	27/08/98	EL 5062	294040	8508236	DA98B1A0341	100	0	0	0	0	0	0	0	2202	2346	18.97996
DA98B10342	27/08/98	EL 5062	295800	8508134	DA98B1A0342	100	0	0	0	0	0	0	0	2198	2348	31.00714
DA98B10343	27/08/98	EL 5062	297786	8507905	DA98B1A0343	100	0	0	0	0	0	0	0	2196	2346	26.38767
DA98B10344	27/08/98	EL 5062	299961	8508022	DA98B1A0344	100	0	0	0	0	0	0	0	2204	2356	33.05227
DA98B10345	27/08/98	EL 5062	302200	8508034	DA98B1A0345	100	0	0	0	0	0	0	0	2196	2350	50.86863
DA98B10346	27/08/98	EL 5062	304106	8508050	DA98B1A0346	100	0	0	0	0	0	0	0	2202	2352	30.30315
DA98B10347	27/08/98	EL 5062	305900	8508528	DA98B1A0347	96.71741	3	0	0	0	0	0	0	2200	2350	43.52773
DA98B10348	27/08/98	EL 5062	308020	8508280	DA98B1A0348	100	0	0	0	0	0	0	0	2200	2352	39.92669
DA98B10349	27/08/98	EL 5062	309970	8508050	DA98B1A0349	85.84413	0	0	14.15587	0	0	0	0	2194	0	19.71481
DA98B10350	27/08/98	EL 5061	312197	8507770	DA98B1A0350	100	0	0	0	0	0	0	0	2194	2348	30.80673
DA98B10351	27/08/98	EL 5061	314090	8507548	DA98B1A0351	100	0	0	0	0	0	0	0	2196	2350	38.83903
DA98B10352	27/08/98	EL 5061	316164	8508090	DA98B1A0352	100	0	0	0	0	0	0	0	2198	2350	38.65521
DA98B10353	27/08/98	EL 5061	318118	8508370	DA98B1A0353	100	0	0	0	0	0	0	0	2200	2352	30.54138
DA98B10354	27/08/98	EL 5061	320530	8507945	DA98B1A0354	100	0	0	0	0	0	0	0	2198	2350	27.16989

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10355	27/08/98	EL 5061	322000	8507690	DA98B1A0355	0	0	0	100	0	0	0	0	2208	0	40.83391
DA98B10356	28/08/98	EL 5062	306075	8509650	DA98B1A0356	100	0	0	0	0	0	0	0	2198	2350	24.01296
DA98B10357	28/08/98	EL 5061	316555	8509482	DA98B1A0357	100	0	0	0	0	0	0	0	2198	2354	40.04757
DA98B10358	28/08/98	EL 5061	318476	8509982	DA98B1A0358	100	0	0	0	0	0	0	0	2194	2350	34.23493
DA98B10359	28/08/98	EL 5062	290126	8511916	DA98B1A0359	100	0	0	0	0	0	0	0	2198	2350	16.50313
DA98B10360	28/08/98	EL 5062	292090	8512080	DA98B1A0360	100	0	0	0	0	0	0	0	2198	2344	17.6484
DA98B10361	28/08/98	EL 5062	294067	8511877	DA98B1A0361	100	0	0	0	0	0	0	0	2196	2350	22.0683
DA98B10362	28/08/98	EL 5062	296564	8511194	DA98B1A0362	100	0	0	0	0	0	0	0	2198	2344	12.31096
DA98B10363	28/08/98	EL 5062	298021	8511925	DA98B1A0363	98.59531	0	0	1.404693	0	0	0	0	2202	2346	12.16375
DA98B10364	28/08/98	EL 5062	300060	8512100	DA98B1A0364	95.69523	4	0	0	0	0	0	0	2196	2348	37.85534
DA98B10365	28/08/98	EL 5062	301918	8511933	DA98B1A0365	100	0	0	0	0	0	0	0	2196	2350	41.88658
DA98B10366	28/08/98	EL 5062	303952	8511964	DA98B1A0366	100	0	0	0	0	0	0	0	2200	2350	42.43518
DA98B10367	28/08/98	EL 5062	306500	8512338	DA98B1A0367	100	0	0	0	0	0	0	0	2198	2352	24.08177
DA98B10368	28/08/98	EL 5062	307955	8512444	DA98B1A0368	84.92584	0	0	15.07416	0	0	0	0	2198	2348	10.9177
DA98B10369	28/08/98	EL 5062	310090	8511993	DA98B1A0369	100	0	0	0	0	0	0	0	2198	2348	27.14582
DA98B10370	28/08/98	EL 5061	312037	8512073	DA98B1A0370	100	0	0	0	0	0	0	0	2196	2352	31.38728
DA98B10371	28/08/98	EL 5061	314162	8511971	DA98B1A0371	100	0	0	0	0	0	0	0	2196	2350	9.397027
DA98B10372	28/08/98	EL 5061	316350	8512317	DA98B1A0372	0	100	0	0	0	0	0	0	2206	2352	13.1389
DA98B10373	28/08/98	EL 5061	318409	8512530	DA98B1A0373	100	0	0	0	0	0	0	0	2200	2352	38.44457
DA98B10374	28/08/98	EL 5061	321380	8511456	DA98B1A0374	100	0	0	0	0	0	0	0	2196	2352	23.89611
DA98B10375	28/08/98	EL 5061	322738	8512020	DA98B1A0375	100	0	0	0	0	0	0	0	2196	0	22.81837
DA98B10376	29/08/98	EL 5062	288942	8514889	DA98B1A0376	46.71836	0	53	0	0	0	0	0	2206	2356	18.14303
DA98B10377	29/08/98	EL 5062	291533	8514270	DA98B1A0377	63.71549	0	36	0	0	0	0	0	2204	2356	13.99066
DA98B10378	29/08/98	EL 5062	296100	8514159	DA98B1A0378	100	0	0	0	0	0	0	0	2196	2350	33.80392
DA98B10379	29/08/98	EL 5062	299840	8514008	DA98B1A0379	100	0	0	0	0	0	0	0	2198	2352	26.497
DA98B10380	29/08/98	EL 5062	304144	8514012	DA98B1A0380	100	0	0	0	0	0	0	0	2198	2356	35.43169
DA98B10381	29/08/98	EL 5062	308013	8514190	DA98B1A0381	100	0	0	0	0	0	0	0	2196	2350	26.46534
DA98B10382	29/08/98	EL 5061	311875	8514350	DA98B1A0382	100	0	0	0	0	0	0	0	2202	2354	31.90231
DA98B10383	29/08/98	EL 5061	315857	8514615	DA98B1A0383	100	0	0	0	0	0	0	0	2198	2348	30.65735
DA98B10384	29/08/98	EL 5061	319395	8514290	DA98B1A0384	100	0	0	0	0	0	0	0	2196	2350	33.09738
DA98B10385	29/08/98	EL 5061	323215	8513765	DA98B1A0385	100	0	0	0	0	0	0	0	2196	2348	26.53293
DA98B10386	29/08/98	EL 5061	328664	8514314	DA98B1A0386	29.79497	0	0	70.20503	0	0	0	0	2206	2356	42.13121
DA98B10387	29/08/98	EL 5062	288020	8516595	DA98B1A0387	100	0	0	0	0	0	0	0	2204	2352	21.17078
DA98B10388	29/08/98	EL 5062	292070	8516080	DA98B1A0388	100	0	0	0	0	0	0	0	2196	2348	5.126521
DA98B10389	29/08/98	EL 5062	294800	8516050	DA98B1A0389	100	0	0	0	0	0	0	0	2198	2350	28.43001
DA98B10390	29/08/98	EL 5062	296830	8516216	DA98B1A0390	100	0	0	0	0	0	0	0	2200	2352	36.28425
DA98B10391	29/08/98	EL 5062	299017	8515955	DA98B1A0391	100	0	0	0	0	0	0	0	2196	2346	40.51585
DA98B10392	29/08/98	EL 5062	300741	8515248	DA98B1A0392	100	0	0	0	0	0	0	0	2198	2348	21.93403
DA98B10393	29/08/98	EL 5062	303375	8516396	DA98B1A0393	100	0	0	0	0	0	0	0	2204	2356	28.1448
DA98B10394	29/08/98	EL 5062	305061	8515560	DA98B1A0394	70.56756	0	0	29.43244	0	0	0	0	2206	0	27.69504
DA98B10395	29/08/98	EL 5062	308149	8516055	DA98B1A0395	100	0	0	0	0	0	0	0	2198	2356	12.2064
DA98B10396	29/08/98	EL 5062	310175	8516080	DA98B1A0396	100	0	0	0	0	0	0	0	2196	2352	28.96033
DA98B10397	29/08/98	EL 5061	312072	8516084	DA98B1A0397	100	0	0	0	0	0	0	0	2202	2356	22.39123
DA98B10400	30/07/98	EL 5062	305455	8471037	da98b1A0400	100	0	0	0	0	0	0	0	2204	2350	10.73139
DA98B10401	30/07/98	EL 5062	307701	8472640	da98b1A0401	100	0	0	0	0	0	0	0	2202	2356	12.0388
DA98B10402	30/07/98	EL 5062	310033	8476203	da98b1A0402	0	0	0	0	0	0	0	0	2202	0	16.51775
DA98B10403	30/07/98	EL 5062	298181	8489971	da98b1A0403	100	0	0	0	0	0	0	0	2202	2350	33.26735

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10404	30/07/98	EL 5062	299660	8490342	da98b1A0404	100	0	0	0	0	0	0	0	2198	0	15.57979
DA98B10405	30/07/98	EL 5062	302937	8489722	da98b1A0405	59.09077	0	0	40.90923	0	0	0	0	2204	2352	21.27993
DA98B10406	31/07/98	EL 5062	294544	8495660	da98b1A0406	100	0	0	0	0	0	0	0	2192	2346	37.94264
DA98B10407	31/07/98	EL 5062	295802	8495654	da98b1A0407	100	0	0	0	0	0	0	0	2192	2348	41.63763
DA98B10408	31/07/98	EL 5062	297923	8495922	da98b1A0408	100	0	0	0	0	0	0	0	2192	2344	18.33785
DA98B10409	31/07/98	EL 5062	300465	8495909	da98b1A0409	100	0	0	0	0	0	0	0	2202	2348	6.20413
DA98B10410	31/07/98	EL 5062	301998	8495828	da98b1A0410	100	0	0	0	0	0	0	0	2202	0	15.36121
DA98B10411	31/07/98	EL 5062	303948	8495741	da98b1A0411	100	0	0	0	0	0	0	0	2196	0	24.28304
DA98B10412	31/07/98	EL 5062	305816	8495620	da98b1A0412	57.61221	0	0	42.38779	0	0	0	0	2204	2344	10.21364
DA98B10413	31/07/98	EL 5062	293693	8497829	da98b1A0413	47.47152	0	53	0	0	0	0	0	2202	2354	25.92835
DA98B10414	31/07/98	EL 5062	296093	8497790	da98b1A0414	100	0	0	0	0	0	0	0	2200	2354	31.79289
DA98B10415	31/07/98	EL 5062	298010	8497666	da98b1A0415	100	0	0	0	0	0	0	0	2204	2346	24.09204
DA98B10416	31/07/98	EL 5062	299502	8498340	da98b1A0416	0	100	0	0	0	0	15	1	2180	0	31.07149
DA98B10417	31/07/98	EL 5062	302306	8498010	da98b1A0417	100	0	0	0	0	0	0	0	2192	2352	17.88844
DA98B10418	25/08/98	EL 5061	321934	8501778	DA98B1A0418	47.32333	0	0	52.67667	0	0	0	0	2204	2356	21.91468
DA98B10419	25/08/98	EL 5061	317082	8501766	DA98B1A0419	78.15379	0	0	21.8462	0	0	0	0	2206	2350	28.02621
DA98B10420	25/08/98	EL 5061	314544	8501742	DA98B1A0420	78.51024	0	0	21.48977	0	0	0	0	2202	2354	36.14688
DA98B10421	25/08/98	EL 5062	308928	8502130	DA98B1A0421	51.73156	0	0	48.26844	0	0	0	0	2206	2348	9.291991
DA98B10422	25/08/98	EL 5062	305863	8501905	DA98B1A0422	48.63656	0	0	51.36344	0	0	0	0	2206	2356	24.90221
DA98B10423	25/08/98	EL 5062	303141	8501841	DA98B1A0423	85.81221	0	0	14.18779	0	0	0	0	2204	0	28.31593
DA98B10424	25/08/98	EL 5062	301838	8502091	DA98B1A0424	100	0	0	0	0	0	0	0	2196	2348	30.20423
DA98B10425	25/08/98	EL 5062	300005	8502067	DA98B1A0425	0	100	0	0	0	0	0	0	2192	2354	30.21501
DA98B10426	25/08/98	EL 5062	297876	8502091	DA98B1A0426	100	0	0	0	0	0	0	0	2202	2356	34.59223
DA98B10427	25/08/98	EL 5062	295640	8501916	DA98B1A0427	100	0	0	0	0	0	0	0	2194	2348	38.59042
DA98B10428	25/08/98	EL 5062	294458	8501848	DA98B1A0428	100	0	0	0	0	0	0	0	2194	2350	44.31858
DA98B10429	25/08/98	EL 5062	293071	8501489	DA98B1A0429	0	100	0	0	0	0	10	1	2196	0	43.67573
DA98B10430	25/08/98	EL 5062	291026	8501332	DA98B1A0430	100	0	0	0	0	0	0	0	2194	2352	30.0054
DA98B10431	26/08/98	EL 5062	291654	8502814	DA98B1A0431	100	0	0	0	0	0	0	0	2196	0	19.85255
DA98B10432	26/08/98	EL 5062	292965	8503970	DA98B1A0432	60.45871	0	0	39.54129	0	0	0	0	2196	2350	6.573449
DA98B10433	26/08/98	EL 5062	295072	8504024	DA98B1A0433	100	0	0	0	0	0	0	0	2196	2350	30.76173
DA98B10434	26/08/98	EL 5062	297162	8503745	DA98B1A0434	100	0	0	0	0	0	0	0	2194	2352	26.99179
DA98B10435	26/08/98	EL 5062	299051	8503939	DA98B1A0435	70.34138	30	0	0	0	0	0	0	2198	2354	37.80713
DA98B10436	26/08/98	EL 5062	301063	8503449	DA98B1A0436	94.46102	0	0	5.538976	0	0	0	0	2196	2356	18.34346
DA98B10437	26/08/98	EL 5062	309967	8504354	DA98B1A0437	0	100	0	0	0	0	9	1	2190	0	26.71966
DA98B10438	26/08/98	EL 5061	312371	8503963	DA98B1A0438	53.57686	0	0	46.42314	0	0	0	0	2204	2352	30.70421
DA98B10439	26/08/98	EL 5061	320914	8504466	DA98B1A0439	78.8185	0	0	21.1815	0	0	0	0	2206	2350	20.75849
DA98B10440	26/08/98	EL 5061	324820	8505952	DA98B1A0440	40.31972	0	0	59.68028	0	0	0	0	2206	2352	25.89633
DA98B10441	26/08/98	EL 5061	320577	8505528	DA98B1A0441	100	0	0	0	0	0	0	0	2206	2354	31.96848
DA98B10442	26/08/98	EL 5061	318467	8506096	DA98B1A0442	100	0	0	0	0	0	0	0	2196	2350	25.50733
DA98B10443	26/08/98	EL 5061	316963	8506059	DA98B1A0443	100	0	0	0	0	0	0	0	2194	2354	29.392
DA98B10444	26/08/98	EL 5061	315121	8505952	DA98B1A0444	100	0	0	0	0	0	0	0	2194	2350	26.4076
DA98B10445	26/08/98	EL 5061	312978	8505903	DA98B1A0445	100	0	0	0	0	0	0	0	2194	2348	23.33835
DA98B10446	26/08/98	EL 5061	310876	8505960	DA98B1A0446	100	0	0	0	0	0	0	0	2196	2354	33.77218
DA98B10447	26/08/98	EL 5062	309150	8506060	DA98B1A0447	56.34733	0	0	43.65267	0	0	0	0	2204	2356	37.32133
DA98B10448	26/08/98	EL 5062	307013	8505446	DA98B1A0448	100	0	0	0	0	0	0	0	2198	2354	20.97259
DA98B10449	26/08/98	EL 5062	304976	8505628	DA98B1A0449	68.3055	0	0	31.69451	0	0	0	0	2204	0	26.33264
DA98B10450	26/08/98	EL 5062	303082	8506034	DA98B1A0450	100	0	0	0	0	0	0	0	2194	2348	26.23665

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10451	27/08/98	EL 5062	290879	8504861	DA98B1A0451	75.54907	0	0	24.45093	0	0	0	0	2204	0	24.39664
DA98B10452	27/08/98	EL 5062	293067	8505767	DA98B1A0452	100	0	0	0	0	0	0	0	2194	2348	41.4265
DA98B10453	27/08/98	EL 5062	295186	8505914	DA98B1A0453	100	0	0	0	0	0	0	0	2200	2348	17.2502
DA98B10454	27/08/98	EL 5062	297110	8505732	DA98B1A0454	100	0	0	0	0	0	0	0	2202	2350	11.55346
DA98B10455	27/08/98	EL 5062	299153	8505866	DA98B1A0455	100	0	0	0	0	0	0	0	2194	2348	39.07031
DA98B10456	27/08/98	EL 5062	301064	8506466	DA98B1A0456	100	0	0	0	0	0	0	0	2196	2344	30.37306
DA98B10457	27/08/98	EL 5062	303462	8505964	DA98B1A0457	100	0	0	0	0	0	0	0	2196	2346	35.28898
DA98B10458	27/08/98	EL 5062	289109	8508033	DA98B1A0458	100	0	0	0	0	0	0	0	2192	2350	7.529509
DA98B10459	27/08/98	EL 5062	291296	8508300	DA98B1A0459	100	0	0	0	0	0	0	0	2196	2348	38.88774
DA98B10460	27/08/98	EL 5062	292855	8508103	DA98B1A0460	94.93217	0	0	5.067825	0	0	0	0	2194	2352	12.27932
DA98B10461	27/08/98	EL 5062	295065	8508085	DA98B1A0461	100	0	0	0	0	0	0	0	2198	2348	40.36558
DA98B10462	27/08/98	EL 5062	296860	8508068	DA98B1A0462	100	0	0	0	0	0	0	0	2196	2356	27.40124
DA98B10463	27/08/98	EL 5062	298956	8508253	DA98B1A0463	100	0	0	0	0	0	0	0	2204	2352	28.41376
DA98B10464	27/08/98	EL 5062	300967	8508100	DA98B1A0464	100	0	0	0	0	0	0	0	2196	2350	32.01089
DA98B10465	27/08/98	EL 5062	303101	8507825	DA98B1A0465	100	0	0	0	0	0	0	0	2198	2352	33.0511
DA98B10466	27/08/98	EL 5062	305044	8508064	DA98B1A0466	100	0	0	0	0	0	0	0	2196	2348	25.13378
DA98B10467	27/08/98	EL 5062	307382	8508352	DA98B1A0467	100	0	0	0	0	0	0	0	2196	2346	50.52814
DA98B10468	27/08/98	EL 5062	309014	8508132	DA98B1A0468	100	0	0	0	0	0	0	0	2198	2350	18.6292
DA98B10469	27/08/98	EL 5061	311077	8508109	DA98B1A0469	100	0	0	0	0	0	0	0	2196	2346	28.66188
DA98B10470	27/08/98	EL 5061	313515	8507596	DA98B1A0470	100	0	0	0	0	0	0	0	2196	2348	27.4831
DA98B10471	27/08/98	EL 5061	315140	8507687	DA98B1A0471	100	0	0	0	0	0	0	0	2194	2350	26.11836
DA98B10472	27/08/98	EL 5061	317000	8508071	DA98B1A0472	95.08086	5	0	0	0	0	0	0	2202	2354	41.33009
DA98B10473	27/08/98	EL 5061	319078	8508002	DA98B1A0473	100	0	0	0	0	0	0	0	2194	2346	23.03253
DA98B10474	27/08/98	EL 5061	321310	8507936	DA98B1A0474	100	0	0	0	0	0	0	0	2196	0	27.28428
DA98B10475	27/08/98	EL 5061	323513	8508485	DA98B1A0475	41.07581	0	0	58.92419	0	0	0	0	2204	2352	39.84883
DA98B10476	28/08/98	EL 5062	305393	8510111	DA98B1A0476	100	0	0	0	0	0	0	0	2200	2354	34.28717
DA98B10477	28/08/98	EL 5061	313952	8510135	DA98B1A0477	100	0	0	0	0	0	0	0	2196	2350	36.43813
DA98B10478	28/08/98	EL 5061	317117	8508658	DA98B1A0478	100	0	0	0	0	0	0	0	2194	2348	45.23686
DA98B10479	28/08/98	EL 5061	320723	8509921	DA98B1A0479	0	100	0	0	0	0	6	1	2198	0	15.28943
DA98B10480	28/08/98	EL 5062	289136	8511291	DA98B1A0480	100	0	0	0	0	0	0	0	2196	2348	26.16361
DA98B10481	28/08/98	EL 5062	291247	8512436	DA98B1A0481	100	0	0	0	0	0	0	0	2194	2350	34.13986
DA98B10482	28/08/98	EL 5062	293337	8512046	DA98B1A0482	93.0982	0	0	6.901801	0	0	0	0	2200	2344	11.32106
DA98B10483	28/08/98	EL 5062	295900	8512714	DA98B1A0483	100	0	0	0	0	0	0	0	2200	2348	29.968
DA98B10484	28/08/98	EL 5062	297043	8511925	DA98B1A0484	100	0	0	0	0	0	0	0	2194	2346	9.621296
DA98B10485	28/08/98	EL 5062	299007	8511825	DA98B1A0485	100	0	0	0	0	0	0	0	2196	2352	27.31774
DA98B10486	28/08/98	EL 5062	301010	8512123	DA98B1A0486	100	0	0	0	0	0	0	0	2194	2348	32.81659
DA98B10487	28/08/98	EL 5062	303016	8511953	DA98B1A0487	100	0	0	0	0	0	0	0	2196	2348	38.85415
DA98B10488	28/08/98	EL 5062	304883	8512040	DA98B1A0488	100	0	0	0	0	0	0	0	2194	2350	19.26443
DA98B10489	28/08/98	EL 5062	307010	8511975	DA98B1A0489	100	0	0	0	0	0	0	0	2196	2346	36.30735
DA98B10490	28/08/98	EL 5062	309646	8512501	DA98B1A0490	100	0	0	0	0	0	0	0	2196	2352	22.42763
DA98B10491	28/08/98	EL 5061	311064	8512081	DA98B1A0491	100	0	0	0	0	0	0	0	2194	2354	38.04601
DA98B10492	28/08/98	EL 5061	312977	8512577	DA98B1A0492	100	0	0	0	0	0	0	0	2204	2354	40.03483
DA98B10493	28/08/98	EL 5061	314896	8512102	DA98B1A0493	100	0	0	0	0	0	0	0	2194	2356	21.39318
DA98B10494	28/08/98	EL 5061	316886	8511903	DA98B1A0494	100	0	0	0	0	0	0	0	2202	2354	30.12674
DA98B10495	28/08/98	EL 5061	320331	8512605	DA98B1A0495	100	0	0	0	0	0	0	0	2200	2350	36.80695
DA98B10496	28/08/98	EL 5061	322220	8511889	DA98B1A0496	100	0	0	0	0	0	0	0	2196	2354	27.14975
DA98B10497	28/08/98	EL 5061	323876	8512076	DA98B1A0497	100	0	0	0	0	0	0	0	2198	0	25.34265

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10498	29/08/98	EL 5062	287296	8514704	DA98B1A0498	100	0	0	0	0	0	0	0	2196	2348	25.73369
DA98B10499	29/08/98	EL 5062	289998	8514488	DA98B1A0499	100	0	0	0	0	0	0	0	2196	2346	42.9265
DA98B10500	29/08/98	EL 5062	294157	8514007	DA98B1A0500	100	0	0	0	0	0	0	0	2198	2346	30.40776
DA98B10501	29/08/98	EL 5062	298008	8513935	DA98B1A0501	100	0	0	0	0	0	0	0	2196	2350	30.4783
DA98B10502	29/08/98	EL 5062	302087	8514090	DA98B1A0502	100	0	0	0	0	0	0	0	2196	2346	40.2685
DA98B10503	29/08/98	EL 5062	305984	8513892	DA98B1A0503	100	0	0	0	0	0	0	0	2200	2348	23.11757
DA98B10504	29/08/98	EL 5062	310126	8513892	DA98B1A0504	100	0	0	0	0	0	0	0	2196	2352	44.59962
DA98B10505	29/08/98	EL 5061	313839	8513607	DA98B1A0505	100	0	0	0	0	0	0	0	2196	2348	31.19193
DA98B10506	29/08/98	EL 5061	318355	8514029	DA98B1A0506	100	0	0	0	0	0	0	0	2200	2354	28.3919
DA98B10507	29/08/98	EL 5061	320931	8513986	DA98B1A0507	100	0	0	0	0	0	0	0	2194	2348	28.41172
DA98B10508	29/08/98	EL 5061	327052	8513828	DA98B1A0508	100	0	0	0	0	0	0	0	2206	2352	39.62146
DA98B10509	29/08/98	EL 5062	287293	8515580	DA98B1A0509	99.08462	0	0	0.9153843	0	0	0	0	2202	2352	32.84707
DA98B10510	29/08/98	EL 5062	291358	8516004	DA98B1A0510	100	0	0	0	0	0	0	0	2196	2346	29.15458
DA98B10511	29/08/98	EL 5062	293016	8515998	DA98B1A0511	100	0	0	0	0	0	0	0	2194	2346	39.34908
DA98B10512	29/08/98	EL 5062	295893	8516103	DA98B1A0512	100	0	0	0	0	0	0	0	2194	2348	35.87729
DA98B10513	29/08/98	EL 5062	298397	8516496	DA98B1A0513	56.59737	1	42	0	0	0	0	0	2204	2354	46.10606
DA98B10514	29/08/98	EL 5062	300056	8515752	DA98B1A0514	100	0	0	0	0	0	0	0	2196	0	22.66224
DA98B10515	29/08/98	EL 5062	302053	8516002	DA98B1A0515	100	0	0	0	0	0	0	0	2198	2356	31.49595
DA98B10516	29/08/98	EL 5062	304061	8515842	DA98B1A0516	100	0	0	0	0	0	0	0	2198	2356	28.56512
DA98B10517	29/08/98	EL 5062	309030	8516316	DA98B1A0517	100	0	0	0	0	0	0	0	2196	2348	24.65939
DA98B10518	29/08/98	EL 5061	311378	8515902	DA98B1A0518	100	0	0	0	0	0	0	0	2196	2346	40.18643
DA98B10613	10/09/98	EL 5061	312892	8516072	DA98B1A0613	100	0	0	0	0	0	0	0	2204	2354	35.14359
DA98B10614	10/09/98	EL 5061	315077	8516106	DA98B1A0614	100	0	0	0	0	0	0	0	2198	0	21.77948
DA98B10615	10/09/98	EL 5061	316879	8516104	DA98B1A0615	100	0	0	0	0	0	0	0	2196	2356	29.83273
DA98B10616	10/09/98	EL 5061	320096	8516345	DA98B1A0616	100	0	0	0	0	0	0	0	2194	2348	24.27385
DA98B10617	10/09/98	EL 5061	322142	8516250	DA98B1A0617	76.99141	0	0	23.00859	0	0	0	0	2206	2356	35.28733
DA98B10618	10/09/98	EL 5061	323726	8516536	DA98B1A0618	100	0	0	0	0	0	0	0	2196	2350	19.43507
DA98B10619	10/09/98	EL 5061	326012	8516521	DA98B1A0619	70.00009	0	0	29.99991	0	0	0	0	2206	2356	29.67779
DA98B10620	10/09/98	EL 5061	327996	8515925	DA98B1A0620	83.64638	2	0	14.84915	0	0	0	0	2206	2352	37.87848
DA98B10621	10/09/98	EL 5061	330043	8515879	DA98B1A0621	50.1171	0	0	49.8829	0	0	0	0	2206	0	26.02689
DA98B10622	10/09/98	EL 5062	308192	8518125	DA98B1A0622	100	0	0	0	0	0	0	0	2200	2354	27.78656
DA98B10623	10/09/98	EL 5061	310521	8518286	DA98B1A0623	100	0	0	0	0	0	0	0	2202	2350	43.1331
DA98B10624	10/09/98	EL 5061	311920	8518153	DA98B1A0624	100	0	0	0	0	0	0	0	2196	2348	31.57191
DA98B10625	10/09/98	EL 5061	313889	8518203	DA98B1A0625	95.22733	0	0	4.772675	0	0	0	0	2198	2352	5.67824
DA98B10626	10/09/98	EL 5061	315966	8518270	DA98B1A0626	100	0	0	0	0	0	0	0	2196	2348	30.10175
DA98B10627	10/09/98	EL 5061	318134	8518225	DA98B1A0627	100	0	0	0	0	0	0	0	2194	2348	23.20055
DA98B10628	10/09/98	EL 5061	320060	8518343	DA98B1A0628	100	0	0	0	0	0	0	0	2194	2346	29.65259
DA98B10629	10/09/98	EL 5061	322136	8518073	DA98B1A0629	100	0	0	0	0	0	0	0	2196	2352	42.26803
DA98B10630	10/09/98	EL 5061	324060	8518071	DA98B1A0630	100	0	0	0	0	0	0	0	2196	2348	28.43657
DA98B10631	10/09/98	EL 5061	326394	8518168	DA98B1A0631	48.83489	0	0	51.16511	0	0	0	0	2206	2356	37.82168
DA98B10632	10/09/98	EL 5061	328576	8518349	DA98B1A0632	100	0	0	0	0	0	0	0	2206	0	28.92251
DA98B10633	11/09/98	EL 5062	286161	8518152	DA98B1A0633	0	100	0	0	0	0	10	1	2196	0	33.39914
DA98B10634	11/09/98	EL 5062	289456	8517294	DA98B1A0634	43.52315	1	55	0	0	0	0	0	2204	2354	15.5211
DA98B10635	11/09/98	EL 5062	291603	8518234	DA98B1A0635	100	0	0	0	0	0	0	0	2196	2346	29.09717
DA98B10636	11/09/98	EL 5062	292810	8518074	DA98B1A0636	100	0	0	0	0	0	0	0	2200	2352	16.0648
DA98B10637	11/09/98	EL 5062	295958	8518306	DA98B1A0637	37.00273	2	61	0	0	0	0	0	2206	2352	53.73383
DA98B10638	11/09/98	EL 5062	299754	8517764	DA98B1A0638	100	0	0	0	0	0	0	0	2196	2350	32.7092

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10639	11/09/98	EL 5062	302133	8517846	DA98B1A0639	100	0	0	0	0	0	0	0	2196	2350	38.26449
DA98B10640	11/09/98	EL 5062	305677	8517876	DA98B1A0640	100	0	0	0	0	0	0	0	2198	2352	27.91833
DA98B10641	11/09/98	EL 5062	284798	8520156	DA98B1A0641	100	0	0	0	0	0	0	0	2196	2350	24.37901
DA98B10642	11/09/98	EL 5062	287289	8520145	DA98B1A0642	16.46856	0	84	0	0	0	0	0	2206	2356	13.85405
DA98B10643	11/09/98	EL 5062	289185	8520141	DA98B1A0643	100	0	0	0	0	0	0	0	2196	2350	46.67838
DA98B10644	11/09/98	EL 5062	291858	8520859	DA98B1A0644	100	0	0	0	0	0	0	0	2198	2348	28.9329
DA98B10645	11/09/98	EL 5062	296848	8520535	DA98B1A0645	100	0	0	0	0	0	0	0	2204	2356	35.93512
DA98B10646	11/09/98	EL 5062	300694	8520371	DA98B1A0646	85.54554	0	0	14.45446	0	0	0	0	2206	0	36.25597
DA98B10647	11/09/98	EL 5062	302532	8520196	DA98B1A0647	100	0	0	0	0	0	0	0	2196	2350	34.60273
DA98B10648	12/09/98	EL 5062	304937	8520667	DA98B1A0648	0	100	0	0	0	0	2	1	2188	0	25.36892
DA98B10649	12/09/98	EL 5062	309036	8519305	DA98B1A0649	96.12262	0	4	0	0	0	0	0	2206	0	8.939031
DA98B10650	12/09/98	EL 5061	312352	8520128	DA98B1A0650	100	0	0	0	0	0	0	0	2196	0	23.11325
DA98B10651	12/09/98	EL 5061	316007	8519670	DA98B1A0651	100	0	0	0	0	0	0	0	2198	2356	28.69737
DA98B10652	12/09/98	EL 5061	319667	8519726	DA98B1A0652	100	0	0	0	0	0	0	0	2194	2348	32.0781
DA98B10653	12/09/98	EL 5061	328605	8520140	DA98B1A0653	1.883621	0	0	98.11638	0	0	0	0	2206	2356	49.98949
DA98B10654	12/09/98	EL 5062	283970	8522265	DA98B1A0654	100	0	0	0	0	0	0	0	2196	2350	35.86481
DA98B10655	12/09/98	EL 5062	285960	8522043	DA98B1A0655	53.24505	1	46	0	0	0	0	0	2204	2354	36.40933
DA98B10656	12/09/98	EL 5062	288002	8521889	DA98B1A0656	14.67531	0	85	0	0	0	0	0	2204	2350	8.549133
DA98B10657	12/09/98	EL 5062	290008	8522037	DA98B1A0657	100	0	0	0	0	0	0	0	2196	2346	27.43724
DA98B10658	12/09/98	EL 5062	291855	8521974	DA98B1A0658	100	0	0	0	0	0	0	0	2196	2348	31.47526
DA98B10659	12/09/98	EL 5062	294182	8521512	DA98B1A0659	100	0	0	0	0	0	0	0	2204	2354	30.86632
DA98B10660	12/09/98	EL 5062	296754	8521783	DA98B1A0660	100	0	0	0	0	0	0	0	2196	2350	33.97048
DA98B10661	12/09/98	EL 5062	299121	8522060	DA98B1A0661	34.93932	0	65	0	0	0	0	0	2204	2354	45.28254
DA98B10662	12/09/98	EL 5062	302158	8521954	DA98B1A0662	100	0	0	0	0	0	0	0	2196	2354	34.74948
DA98B10663	12/09/98	EL 5062	304000	8522000	DA98B1A0663	0	100	0	0	0	0	2	0	2204	2356	21.96889
DA98B10664	12/09/98	EL 5062	306013	8521897	DA98B1A0664	100	0	0	0	0	0	0	0	2198	0	34.2116
DA98B10665	12/09/98	EL 5062	308211	8522470	DA98B1A0665	100	0	0	0	0	0	0	0	2194	2352	30.85933
DA98B10666	12/09/98	EL 5061	313332	8521911	DA98B1A0666	100	0	0	0	0	0	0	0	2196	2350	33.88915
DA98B10667	12/09/98	EL 5061	315018	8521903	DA98B1A0667	100	0	0	0	0	0	0	0	2198	2350	28.2038
DA98B10668	12/09/98	EL 5061	317782	8522109	DA98B1A0668	100	0	0	0	0	0	0	0	2196	2346	35.00558
DA98B10669	12/09/98	EL 5061	320032	8522113	DA98B1A0669	100	0	0	0	0	0	0	0	2196	2346	20.09479
DA98B10670	12/09/98	EL 5061	325123	8521802	DA98B1A0670	100	0	0	0	0	0	0	0	2196	2352	30.44302
DA98B10671	12/09/98	EL 5061	326197	8522247	DA98B1A0671	100	0	0	0	0	0	0	0	2196	2348	26.50556
DA98B10675	20/09/98	EL 5062	288862	8524119	DA98B1A0675	100	0	0	0	0	0	0	0	2198	2346	26.1707
DA98B10676	20/09/98	EL 5062	293053	8524035	DA98B1A0676	53.64694	0	46	0	0	0	0	0	2204	0	48.34848
DA98B10677	20/09/98	EL 5062	296188	8523428	DA98B1A0677	79.15066	0	21	0	0	0	0	0	2202	0	31.30227
DA98B10678	20/09/98	EL 5062	302330	8523798	DA98B1A0678	100	0	0	0	0	0	0	0	2198	0	23.93046
DA98B10679	20/09/98	EL 5062	305085	8523698	DA98B1A0679	100	0	0	0	0	0	0	1	2202	0	20.00593
DA98B10680	20/09/98	EL 5061	310937	8524162	DA98B1A0680	100	0	0	0	0	0	0	0	2196	0	34.69441
DA98B10681	20/09/98	EL 5061	314859	8524205	DA98B1A0681	91.81314	0	0	8.186855	0	0	0	0	2204	0	25.46347
DA98B10682	20/09/98	EL 5061	319155	8524174	DA98B1A0682	95.43394	5	0	0	0	0	0	0	2198	0	43.81277
DA98B10683	20/09/98	EL 5061	328193	8524120	DA98B1A0683	92.38826	0	0	7.611736	0	0	0	0	2204	0	29.18534
DA98B10684	20/09/98	EL 5061	330166	8524272	DA98B1A0684	100	0	0	0	0	0	0	0	2204	0	26.09913
DA98B10685	20/09/98	EL 5061	335121	8526181	DA98B1A0685	65.6597	0	0	34.3403	0	0	0	0	2206	0	15.17328
DA98B10686	20/09/98	EL 5061	327926	8526045	DA98B1A0686	100	0	0	0	0	0	0	0	2198	0	32.25058
DA98B10687	20/09/98	EL 5061	326320	8526419	DA98B1A0687	83.04732	0	0	16.95268	0	0	0	0	2202	0	15.31127
DA98B10688	20/09/98	EL 5061	319762	8526110	DA98B1A0688	100	0	0	0	0	0	0	0	2198	2344	25.63236

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10689	20/09/98	EL 5061	317729	8526013	DA98B1A0689	94.12882	6	0	0	0	0	0	0	2202	0	31.58109
DA98B10690	20/09/98	EL 5062	285107	8525751	DA98B1A0690	92.43342	8	0	0	0	0	0	0	2196	2346	27.69753
DA98B10691	20/09/98	EL 5062	287105	8526030	DA98B1A0691	21.52603	0	78	0	0	0	0	0	2206	0	13.05357
DA98B10692	20/09/98	EL 5062	289045	8526033	DA98B1A0692	18.33051	0	82	0	0	0	0	0	2204	0	12.21745
DA98B10693	20/09/98	EL 5062	291222	8526096	DA98B1A0693	99.65855	0	0	0	0	0	0	0	2198	0	33.72626
DA98B10694	20/09/98	EL 5062	293099	8525978	DA98B1A0694	95.21735	5	0	0	0	0	0	0	2198	0	34.15147
DA98B10695	20/09/98	EL 5062	295035	8525972	DA98B1A0695	83.69143	16	0	0	0	0	0	0	2202	0	29.66421
DA98B10696	20/09/98	EL 5062	298029	8526039	DA98B1A0696	96.35314	0	0	0	0	4	0	0	2196	0	22.654
DA98B10697	20/09/98	EL 5062	302595	8526500	DA98B1A0697	100	0	0	0	0	0	0	0	2198	0	25.65253
DA98B10698	20/09/98	EL 5062	307744	8526163	DA98B1A0698	100	0	0	0	0	0	0	0	2200	0	24.70401
DA98B10699	20/09/98	EL 5062	309720	8525652	DA98B1A0699	99.74108	0	0	0.2589196	0	0	0	0	2204	0	29.32891
DA98B10700	20/09/98	EL 5061	312349	8526098	DA98B1A0700	100	0	0	0	0	0	0	0	2198	0	27.76035
DA98B10701	20/09/98	EL 5061	314491	8525747	DA98B1A0701	100	0	0	0	0	0	0	0	2202	0	37.01952
DA98B10702	20/09/98	EL 5061	315955	8526190	DA98B1A0702	100	0	0	0	0	0	0	0	2196	0	28.98773
DA98B10703	20/09/98	EL 5061	327341	8526989	DA98B1A0703	98.3978	2	0	0	0	0	0	0	2198	0	37.10084
DA98B10704	20/09/98	EL 5061	336201	8527877	DA98B1A0704	100	0	0	0	0	0	0	0	2206	0	27.0045
DA98B10705	20/09/98	EL 5061	327802	8528118	DA98B1A0705	100	0	0	0	0	0	0	0	2198	0	21.62019
DA98B10706	20/09/98	EL 5061	321096	8528042	DA98B1A0706	100	0	0	0	0	0	0	0	2196	2346	30.87486
DA98B10707	20/09/98	EL 5061	331084	8516175	DA98B1A0707	31.71889	0	0	0	68	0	0	0	2206	0	19.90417
DA98B10708	20/09/98	EL 5061	341221	8515938	DA98B1A0708	35.61627	0	0	64.38373	0	0	0	0	2206	0	9.300481
DA98B10709	20/09/98	EL 5061	330643	8505267	DA98B1A0709	13.24353	0	0	86.75647	0	0	0	0	2206	0	17.39595
DA98B10710	20/09/98	EL 5061	330119	8505372	DA98B1A0710	47.63976	0	0	52.36024	0	0	0	0	2206	0	12.37514
DA98B10711	21/09/98	EL 5061	338148	8538109	DA98B1A0711	100	0	0	0	0	0	0	0	2202	0	31.11859
DA98B10712	21/09/98	EL 5061	338255	8542133	DA98B1A0712	90.58736	0	0	0	0	9	0	0	2198	0	17.86501
DA98B10713	21/09/98	EL 5061	338307	8546089	DA98B1A0713	89.2035	0	0	10.7965	0	0	0	0	2204	0	49.18885
DA98B10714	21/09/98	EL 5061	337646	8550030	DA98B1A0714	100	0	0	0	0	0	0	0	2204	0	16.08093
DA98B10715	21/09/98	EL 5061	337717	8553907	DA98B1A0715	100	0	0	0	0	0	0	0	2196	0	32.512
DA98B10716	21/09/98	EL 5061	337895	8560192	DA98B1A0716	39.42107	0	61	0	0	0	0	0	2204	0	21.13667
DA98B10717	21/09/98	EL 5061	338724	8560218	DA98B1A0717	59.17677	26	0	15.19603	0	0	0	0	2204	2340	2.821932
DA98B10718	21/09/98	EL 5061	339105	8553717	DA98B1A0718	100	0	0	0	0	0	0	0	2196	0	22.94229
DA98B10719	21/09/98	EL 5061	339051	8549479	DA98B1A0719	82.05833	0	0	0	0	18	0	1	2202	0	6.510163
DA98B10720	21/09/98	EL 5061	338775	8543771	DA98B1A0720	100	0	0	0	0	0	0	0	2200	0	34.51761
DA98B10721	21/09/98	EL 5061	339566	8539466	DA98B1A0721	100	0	0	0	0	0	0	0	2204	0	31.7169
DA98B10722	21/09/98	EL 5061	339093	8536091	DA98B1A0722	97.73487	0	0	2.265129	0	0	0	0	2206	0	23.7676
DA98B10723	21/09/98	EL 5061	340000	8537863	DA98B1A0723	100	0	0	0	0	0	0	0	2200	0	22.1073
DA98B10724	21/09/98	EL 5061	340180	8541818	DA98B1A0724	100	0	0	0	0	0	0	0	2204	0	19.66514
DA98B10725	21/09/98	EL 5061	339983	8546081	DA98B1A0725	100	0	0	0	0	0	0	0	2204	0	29.74779
DA98B10726	21/09/98	EL 5061	340099	8549823	DA98B1A0726	86.31248	0	0	0	0	14	0	0	2194	2346	19.0567
DA98B10727	21/09/98	EL 5061	323315	8506994	DA98B1A0727	0	0	0	100	0	0	0	0	2206	0	31.16448
DA98B10728	21/09/98	EL 5061	316467	8503563	DA98B1A0728	0	12	0	0	88	0	0	0	2208	2326	0.3771056
DA98B10729	21/09/98	EL 5062	307635	8493092	DA98B1A0729	0	100	0	0	0	0	7	0	2212	2340	3.411063
DA98B10730	21/09/98	EL 5062	306618	8490031	DA98B1A0730	100	0	0	0	0	0	0	1	2206	0	11.31528
DA98B10731	22/09/98	EL 5062	302582	8484348	DA98B1A0731	0	0	0	0	0	0	0	1	2202	0	15.45545
DA98B10732	22/09/98	EL 5062	303985	8484352	DA98B1A0732	87.92377	0	0	0	0	12	0	0	2208	0	3.597294
DA98B10733	22/09/98	EL 5062	306536	8485710	DA98B1A0733	81.88332	0	0	0	0	18	0	0	2212	2336	2.166407
DA98B10734	22/09/98	EL 5062	306947	8480965	DA98B1A0734	100	0	0	0	0	0	0	0	2202	0	8.443705
DA98B10736	24/09/98	EL 5061	342153	8537969	DA98B1A0736	100	0	0	0	0	0	0	0	2196	0	11.37277

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10737	24/09/98	EL 5061	342056	8535674	DA98B1A0737	85.14314	0	0	14.85686	0	0	0	0	2206	0	27.49992
DA98B10738	24/09/98	EL 5061	342361	8534019	DA98B1A0738	100	0	0	0	0	0	0	0	2198	0	20.21848
DA98B10739	24/09/98	EL 5061	344035	8533995	DA98B1A0739	100	0	0	0	0	0	0	0	2206	0	9.71458
DA98B10740	24/09/98	EL 5061	345992	8533736	DA98B1A0740	80.96553	0	0	19.03447	0	0	0	0	2206	0	17.50594
DA98B10741	24/09/98	EL 5061	341953	8530122	DA98B1A0741	50.58523	0	0	49.41477	0	0	0	0	2206	0	26.55259
DA98B10742	24/09/98	EL 5061	338230	8530132	DA98B1A0742	95.59715	0	0	4.402845	0	0	0	0	2206	0	38.53063
DA98B11324	10/09/98	EL 5061	313826	8516111	DA98B1A1324	100	0	0	0	0	0	0	0	2198	2348	22.62697
DA98B11325	10/09/98	EL 5061	316092	8516187	DA98B1A1325	100	0	0	0	0	0	0	0	2196	2354	26.7441
DA98B11326	10/09/98	EL 5061	317893	8516346	DA98B1A1326	100	0	0	0	0	0	0	0	2196	2348	36.88402
DA98B11327	10/09/98	EL 5061	320955	8516188	DA98B1A1327	100	0	0	0	0	0	0	0	2196	2350	24.99221
DA98B11328	10/09/98	EL 5061	323041	8516127	DA98B1A1328	100	0	0	0	0	0	0	0	2196	2350	23.14882
DA98B11329	10/09/98	EL 5061	325299	8516261	DA98B1A1329	88.11432	0	12	0	0	0	0	0	2206	0	21.53555
DA98B11330	10/09/98	EL 5061	327066	8516280	DA98B1A1330	34.54485	0	0	65.45515	0	0	0	0	2206	2356	46.0975
DA98B11331	10/09/98	EL 5061	329056	8515798	DA98B1A1331	100	0	0	0	0	0	0	0	2208	2350	26.50885
DA98B11332	10/09/98	EL 5062	307422	8518131	DA98B1A1332	100	0	0	0	0	0	0	0	2206	2356	16.25546
DA98B11333	10/09/98	EL 5062	309187	8518247	DA98B1A1333	100	0	0	0	0	0	0	0	2198	2350	27.4316
DA98B11334	10/09/98	EL 5061	311415	8518490	DA98B1A1334	100	0	0	0	0	0	0	0	2196	2348	23.36179
DA98B11335	10/09/98	EL 5061	312955	8518458	DA98B1A1335	100	0	0	0	0	0	0	0	2202	2348	14.82151
DA98B11336	10/09/98	EL 5061	314953	8518499	DA98B1A1336	100	0	0	0	0	0	0	0	2196	2352	28.19542
DA98B11337	10/09/98	EL 5061	316928	8518116	DA98B1A1337	100	0	0	0	0	0	0	0	2194	2346	7.633609
DA98B11338	10/09/98	EL 5061	318988	8518250	DA98B1A1338	100	0	0	0	0	0	0	0	2194	2350	19.05047
DA98B11339	10/09/98	EL 5061	320846	8517839	DA98B1A1339	100	0	0	0	0	0	0	0	2194	2352	33.37925
DA98B11340	10/09/98	EL 5061	323198	8518057	DA98B1A1340	100	0	0	0	0	0	0	0	2196	2350	28.76301
DA98B11341	10/09/98	EL 5061	325058	8518293	DA98B1A1341	68.54367	0	0	31.45633	0	0	0	0	2206	0	33.33548
DA98B11342	10/09/98	EL 5061	327195	8518663	DA98B1A1342	64.24092	0	0	35.75908	0	0	0	0	2206	2354	15.27052
DA98B11343	10/09/98	EL 5061	328762	8517574	DA98B1A1343	94.94055	0	0	5.059445	0	0	0	0	2204	2354	35.91081
DA98B11344	11/09/98	EL 5062	286875	8518074	DA98B1A1344	11.99136	0	88	0	0	0	0	0	2206	2356	26.52687
DA98B11345	11/09/98	EL 5062	289950	8517830	DA98B1A1345	100	0	0	0	0	0	0	0	2204	2354	26.89643
DA98B11346	11/09/98	EL 5062	292080	8518357	DA98B1A1346	100	0	0	0	0	0	0	0	2204	2356	25.04313
DA98B11347	11/09/98	EL 5062	294896	8517427	DA98B1A1347	95.90701	0	0	4.092991	0	0	0	0	2204	2354	31.41858
DA98B11348	11/09/98	EL 5062	296775	8517980	DA98B1A1348	100	0	0	0	0	0	0	0	2196	2350	31.39034
DA98B11349	11/09/98	EL 5062	300453	8517930	DA98B1A1349	100	0	0	0	0	0	0	0	2196	2350	35.80458
DA98B11350	11/09/98	EL 5062	303380	8519070	DA98B1A1350	100	0	0	0	0	0	0	0	2196	2350	32.3904
DA98B11351	11/09/98	EL 5062	305950	8518469	DA98B1A1351	100	0	0	0	0	0	0	1	2198	2342	13.97718
DA98B11352	11/09/98	EL 5062	284651	8519556	DA98B1A1352	100	0	0	0	0	0	0	0	2196	0	19.63234
DA98B11353	11/09/98	EL 5062	286238	8520148	DA98B1A1353	100	0	0	0	0	0	0	0	2196	2348	33.59146
DA98B11354	11/09/98	EL 5062	288025	8520062	DA98B1A1354	58.2178	0	42	0	0	0	0	0	2204	2354	33.5078
DA98B11355	11/09/98	EL 5062	289998	8520568	DA98B1A1355	100	0	0	0	0	0	0	0	2202	2348	35.95012
DA98B11356	11/09/98	EL 5062	296210	8520487	DA98B1A1356	100	0	0	0	0	0	0	0	2196	2346	25.13227
DA98B11357	11/09/98	EL 5062	299006	8521202	DA98B1A1357	19.81839	1	80	0	0	0	0	0	2204	2354	45.75188
DA98B11358	11/09/98	EL 5062	301111	8519994	DA98B1A1358	100	0	0	0	0	0	0	0	2198	2350	36.11548
DA98B11359	12/09/98	EL 5062	306497	8520714	DA98B1A1359	100	0	0	0	0	0	0	0	2198	2354	29.52131
DA98B11360	12/09/98	EL 5061	311070	8520141	DA98B1A1360	100	0	0	0	0	0	0	0	2196	2350	9.440604
DA98B11361	12/09/98	EL 5061	313916	8519640	DA98B1A1361	100	0	0	0	0	0	0	0	2198	2352	25.15337
DA98B11362	12/09/98	EL 5061	318916	8519804	DA98B1A1362	100	0	0	0	0	0	0	0	2196	2350	31.27955
DA98B11363	12/09/98	EL 5061	321070	8520477	DA98B1A1363	100	0	0	0	0	0	0	0	2196	2352	33.99047
DA98B11364	12/09/98	EL 5062	285045	8522052	DA98B1A1364	100	0	0	0	0	0	0	0	2198	2354	37.56066

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B11365	12/09/98	EL 5062	286938	8521805	DA98B1A1365	100	0	0	0	0	0	0	0	2202	2350	21.69765
DA98B11366	12/09/98	EL 5062	289075	8521458	DA98B1A1366	27.80322	1	71	0	0	0	0	0	2204	2354	57.04754
DA98B11367	12/09/98	EL 5062	291073	8522029	DA98B1A1367	100	0	0	0	0	0	0	0	2196	2354	33.01995
DA98B11368	12/09/98	EL 5062	293046	8522125	DA98B1A1368	100	0	0	0	0	0	0	0	2198	2350	24.55378
DA98B11369	12/09/98	EL 5062	294918	8522238	DA98B1A1369	100	0	0	0	0	0	0	0	2196	2342	17.17631
DA98B11370	12/09/98	EL 5062	298316	8521910	DA98B1A1370	22.28191	0	78	0	0	0	0	0	2204	0	21.82506
DA98B11371	12/09/98	EL 5062	301204	8522067	DA98B1A1371	100	0	0	0	0	0	0	0	2196	0	25.01727
DA98B11372	12/09/98	EL 5062	302996	8522056	DA98B1A1372	100	0	0	0	0	0	0	0	2198	2352	30.33103
DA98B11373	12/09/98	EL 5062	305633	8521666	DA98B1A1373	100	0	0	0	0	0	0	0	2196	2352	26.34709
DA98B11374	12/09/98	EL 5062	306997	8521516	DA98B1A1374	100	0	0	0	0	0	0	0	2196	2352	38.09383
DA98B11375	12/09/98	EL 5061	312624	8522695	DA98B1A1375	84.48218	0	0	15.51782	0	0	0	0	2204	2356	41.46174
DA98B11376	12/09/98	EL 5061	314282	8521921	DA98B1A1376	100	0	0	0	0	0	0	0	2196	2352	25.0832
DA98B11377	12/09/98	EL 5061	316798	8521711	DA98B1A1377	88.87979	0	0	11.12021	0	0	0	0	2204	2354	34.51083
DA98B11378	12/09/98	EL 5061	318914	8521966	DA98B1A1378	100	0	0	0	0	0	0	0	2196	2352	27.54107
DA98B11379	12/09/98	EL 5061	324326	8521939	DA98B1A1379	100	0	0	0	0	0	0	0	2204	2356	38.26644
DA98B11380	12/09/98	EL 5061	325904	8521797	DA98B1A1380	100	0	0	0	0	0	0	0	2198	2350	27.24625
DA98B11381	12/09/98	EL 5061	326993	8521978	DA98B1A1381	100	0	0	0	0	0	0	0	2200	0	27.62979
DA98B13609	19/09/98	EL 5062	286731	8523929	DA98B1A3609	11.40101	0	89	0	0	0	0	0	2206	0	28.16669
DA98B13610	19/09/98	EL 5062	290985	8523900	DA98B1A3610	100	0	0	0	0	0	0	0	2202	0	25.00572
DA98B13611	19/09/98	EL 5062	294812	8524395	DA98B1A3611	74.25974	0	26	0	0	0	0	0	2204	0	29.45658
DA98B13612	19/09/98	EL 5062	298868	8523640	DA98B1A3612	99.05057	1	0	0	0	0	0	0	2198	0	37.66074
DA98B13613	19/09/98	EL 5062	304099	8524050	DA98B1A3613	84.15289	0	0	15.8471	0	0	0	0	2204	0	10.45529
DA98B13614	19/09/98	EL 5062	307177	8523820	DA98B1A3614	100	0	0	0	0	0	0	1	2196	0	46.13058
DA98B13615	19/09/98	EL 5061	313204	8524014	DA98B1A3615	100	0	0	0	0	0	0	0	2202	2346	26.20383
DA98B13616	19/09/98	EL 5061	316997	8524491	DA98B1A3616	99.8961	0	0	0	0	0	0	0	2198	0	34.50953
DA98B13617	19/09/98	EL 5061	327317	8523624	DA98B1A3617	100	0	0	0	0	0	0	0	2196	0	27.51092
DA98B13618	19/09/98	EL 5061	328842	8524230	DA98B1A3618	100	0	0	0	0	0	0	0	2200	2346	22.11321
DA98B13619	19/09/98	EL 5061	336040	8526064	DA98B1A3619	100	0	0	0	0	0	0	0	2206	0	26.55373
DA98B13620	19/09/98	EL 5061	334010	8526290	DA98B1A3620	98.9109	0	0	1.089095	0	0	0	0	2206	0	30.93558
DA98B13621	19/09/98	EL 5061	326634	8526250	DA98B1A3621	100	0	0	0	0	0	0	0	2198	0	26.90259
DA98B13622	19/09/98	EL 5061	321280	8525930	DA98B1A3622	100	0	0	0	0	0	0	0	2196	0	25.24759
DA98B13623	19/09/98	EL 5061	318850	8526420	DA98B1A3623	85.65781	0	5	0	0	9	0	0	2204	0	2.607129
DA98B13624	19/09/98	EL 5061	316765	8525835	DA98B1A3624	79.78149	20	0	0	0	0	0	0	2198	2346	4.321639
DA98B13625	20/09/98	EL 5062	283765	8525384	DA98B1A3625	100	0	0	0	0	0	0	0	2202	0	8.03908
DA98B13626	20/09/98	EL 5062	286009	8525853	DA98B1A3626	100	0	0	0	0	0	0	0	2198	0	24.8488
DA98B13627	20/09/98	EL 5062	288178	8526020	DA98B1A3627	38.43705	0	62	0	0	0	0	0	2206	0	53.5735
DA98B13628	20/09/98	EL 5062	290082	8525737	DA98B1A3628	88.01184	0	0	0	0	12	0	0	2196	2342	11.08218
DA98B13629	20/09/98	EL 5062	292140	8525923	DA98B1A3629	100	0	0	0	0	0	0	0	2202	0	24.16148
DA98B13630	20/09/98	EL 5062	294057	8526513	DA98B1A3630	100	0	0	0	0	0	0	0	2196	0	28.92073
DA98B13631	20/09/98	EL 5062	295950	8526320	DA98B1A3631	100	0	0	0	0	0	0	0	2200	0	27.04123
DA98B13632	20/09/98	EL 5062	298848	8526332	DA98B1A3632	31.42749	0	57	0	0	12	0	0	2206	0	10.50773
DA98B13633	20/09/98	EL 5062	306584	8527068	DA98B1A3633	100	0	0	0	0	0	0	0	2198	0	21.59713
DA98B13634	20/09/98	EL 5062	309364	8525334	DA98B1A3634	82.22666	0	0	17.77334	0	0	0	0	2206	0	27.42124
DA98B13635	20/09/98	EL 5062	309344	8525316	DA98B1A3635	100	0	0	0	0	0	0	0	2198	2346	29.20042
DA98B13636	20/09/98	EL 5061	311140	8525720	DA98B1A3636	100	0	0	0	0	0	0	0	2204	0	36.73465
DA98B13637	20/09/98	EL 5061	312939	8525889	DA98B1A3637	100	0	0	0	0	0	0	0	2204	0	25.91522
DA98B13638	20/09/98	EL 5061	315071	8525987	DA98B1A3638	100	0	0	0	0	0	0	0	2196	0	40.19513

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B13639	20/09/98	EL 5061	329614	8529013	DA98B1A3639	100	0	0	0	0	0	0	0	2200	0	22.3072
DA98B13640	20/09/98	EL 5061	334817	8527716	DA98B1A3640	100	0	0	0	0	0	0	0	2206	0	26.99923
DA98B13641	20/09/98	EL 5061	324340	8527560	DA98B1A3641	85.48545	0	0	14.51455	0	0	0	0	2206	0	26.74409
DA98B13642	21/09/98	EL 5061	338146	8536000	DA98B1A3642	100	0	0	0	0	0	0	0	2200	0	29.69298
DA98B13643	21/09/98	EL 5061	338550	8539443	DA98B1A3643	100	0	0	0	0	0	0	0	2204	0	38.22533
DA98B13644	21/09/98	EL 5061	337816	8544198	DA98B1A3644	81.49878	0	0	18.50122	0	0	0	0	2206	0	29.78262
DA98B13645	21/09/98	EL 5061	338143	8548453	DA98B1A3645	100	0	0	0	0	0	0	0	2204	0	27.04438
DA98B13646	21/09/98	EL 5061	337859	8552194	DA98B1A3646	78.49594	0	0	21.50406	0	0	0	0	2206	0	36.45354
DA98B13647	21/09/98	EL 5061	338034	8556175	DA98B1A3647	81.82594	0	0	0	0	18	0	0	2200	0	8.373583
DA98B13648	21/09/98	EL 5061	338978	8561926	DA98B1A3648	89.08436	0	0	0	0	11	0	0	2202	0	12.33436
DA98B13649	21/09/98	EL 5061	338833	8555854	DA98B1A3649	86.69114	0	0	13.30886	0	0	0	0	2206	0	29.20495
DA98B13650	21/09/98	EL 5061	339111	8552024	DA98B1A3650	80.27159	0	0	19.72841	0	0	0	0	2206	0	39.68702
DA98B13651	21/09/98	EL 5061	338760	8546530	DA98B1A3651	100	0	0	0	0	0	0	0	2196	0	48.24459
DA98B13652	21/09/98	EL 5061	339249	8541442	DA98B1A3652	87.80794	0	0	12.19206	0	0	0	0	2206	0	30.04834
DA98B13653	21/09/98	EL 5061	339940	8537378	DA98B1A3653	74.12449	0	0	25.87551	0	0	0	0	2206	0	27.52218
DA98B13654	21/09/98	EL 5061	340125	8535867	DA98B1A3654	58.25907	0	0	41.74093	0	0	0	0	2206	0	35.23636
DA98B13655	21/09/98	EL 5061	340098	8540192	DA98B1A3655	100	0	0	0	0	0	0	0	2198	0	22.6964
DA98B13656	21/09/98	EL 5061	340096	8544284	DA98B1A3656	100	0	0	0	0	0	0	0	2204	0	29.89949
DA98B13657	21/09/98	EL 5061	340373	8547595	DA98B1A3657	100	0	0	0	0	0	0	0	2206	0	30.86896
DA98B13658	21/09/98	EL 5061	336757	8525505	DA98B1A3658	9.113762	0	0	90.88624	0	0	0	0	2206	0	43.38953
DA98B13659	23/09/98	EL 5061	340865	8536072	DA98B1A3659	9.113762	0	0	90.88624	0	0	0	0	2206	0	43.38953
DA98B13660	23/09/98	EL 5061	340787	8539565	DA98B1A3660	60.20064	26	0	13.51191	0	0	0	0	2206	2346	2.169024
DA98B13661	23/09/98	EL 5061	341031	8543628	DA98B1A3661	100	0	0	0	0	0	0	0	2200	0	33.57463
DA98B13662	23/09/98	EL 5061	340976	8548040	DA98B1A3662	60.91468	0	0	39.08532	0	0	0	0	2208	0	35.2206
DA98B13663	23/09/98	EL 5061	340003	8551770	DA98B1A3663	65.54413	34	0	0	0	0	0	0	2202	0	6.968507
DA98B13664	23/09/98	EL 5061	339525	8553975	DA98B1A3664	100	0	0	0	0	0	0	0	2206	0	24.4928
DA98B13665	23/09/98	EL 5061	339980	8556245	DA98B1A3665	100	0	0	0	0	0	0	0	2206	0	24.31242
DA98B13666	23/09/98	EL 5061	340240	8558155	DA98B1A3666	100	0	0	0	0	0	0	0	2202	2346	14.25792
DA98B13667	23/09/98	EL 5061	340360	8559930	DA98B1A3667	100	0	0	0	0	0	0	0	2198	2346	19.92333
DA98B13668	23/09/98	EL 5061	340684	8561925	DA98B1A3668	76.7013	23	0	0	0	0	0	0	2198	0	12.19971
DA98B13669	23/09/98	EL 5061	342908	8561960	DA98B1A3669	100	0	0	0	0	0	0	0	2200	0	15.70426
DA98B13670	23/09/98	EL 5061	343000	8560078	DA98B1A3670	97.9091	0	0	2.090901	0	0	0	0	2206	0	20.90891
DA98B13671	23/09/98	EL 5061	343246	8557266	DA98B1A3671	100	0	0	0	0	0	0	0	2204	0	17.98885
DA98B13672	23/09/98	EL 5061	342986	8555751	DA98B1A3672	84.02482	0	0	15.97518	0	0	0	0	2206	0	26.55793
DA98B13673	23/09/98	EL 5061	343402	8553782	DA98B1A3673	100	0	0	0	0	0	0	0	2202	0	7.810866
DA98B13674	23/09/98	EL 5061	343262	8552010	DA98B1A3674	20.83746	0	0	79.16254	0	0	0	0	2208	0	18.00739
DA98B13675	23/09/98	EL 5061	345538	8550078	DA98B1A3675	100	0	0	0	0	0	0	0	2200	0	36.43002
DA98B13676	23/09/98	EL 5061	342908	8547837	DA98B1A3676	93.55051	0	0	0	0	6	0	0	2200	2346	7.123352
DA98B13677	23/09/98	EL 5061	343940	8547860	DA98B1A3677	85.12189	0	0	14.87811	0	0	0	0	2206	0	39.50869
DA98B13678	23/09/98	EL 5061	344296	8549743	DA98B1A3678	0	0	0	0	0	0	0	1	2204	0	22.82549
DA98B13679	23/09/98	EL 5061	344225	8551890	DA98B1A3679	87.31887	0	0	0	0	13	0	0	2196	0	26.30965
DA98B13680	23/09/98	EL 5061	344040	8553977	DA98B1A3680	100	0	0	0	0	0	0	0	2204	0	29.91648
DA98B13681	23/09/98	EL 5061	343977	8556098	DA98B1A3681	100	0	0	0	0	0	0	0	2198	0	25.44946
DA98B13682	23/09/98	EL 5061	344258	8558419	DA98B1A3682	95.69135	0	0	4.308651	0	0	0	0	2206	0	34.56355
DA98B13683	23/09/98	EL 5061	343709	8560220	DA98B1A3683	100	0	0	0	0	0	0	0	2202	0	32.95987
DA98B13684	23/09/98	EL 5061	344810	8562080	DA98B1A3684	94.90589	5	0	0	0	0	0	0	2200	0	23.70683
DA98B13685	23/09/98	EL 5061	345804	8559783	DA98B1A3685	100	0	0	0	0	0	0	0	2202	0	14.24511

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B13686	23/09/98	EL 5061	345010	8555762	DA98B1A3686	100	0	0	0	0	0	0	0	2206	0	32.38008
DA98B13687	23/09/98	EL 5061	346380	8551656	DA98B1A3687	100	0	0	0	0	0	0	0	2198	0	24.90543
DA98B13688	23/09/98	EL 5061	345871	8548180	DA98B1A3688	83.99609	0	0	16.00391	0	0	0	0	2206	0	32.11812
DA98B13689	24/09/98	EL 5061	343439	8538205	DA98B1A3689	88.15787	0	0	11.84213	0	0	0	0	2206	0	15.84634
DA98B13690	24/09/98	EL 5061	342983	8536008	DA98B1A3690	90.76855	0	0	0	0	9	0	0	2202	0	26.64328
DA98B13691	24/09/98	EL 5061	342995	8533829	DA98B1A3691	100	0	0	0	0	0	0	0	2202	2344	16.19396
DA98B13692	24/09/98	EL 5061	345090	8533897	DA98B1A3692	100	0	0	0	0	0	0	0	2206	0	13.65553
DA98B13693	24/09/98	EL 5061	343130	8531764	DA98B1A3693	100	0	0	0	0	0	0	0	2206	0	31.3024
DA98B13694	24/09/98	EL 5061	332518	8532080	DA98B1A3694	86.12003	0	0	13.87997	0	0	0	0	2206	0	39.47812
DA98B13695	24/09/98	EL 5061	334038	8530226	DA98B1A3695	100	0	0	0	0	0	0	0	2204	0	33.31611
DA98C10015	8/08/98	EL 5061	318976	8528645	DA98C1A0015	100	0	0	0	0	0	0	0	2204	0	15.90174
DA98C10016	9/08/98	EL 5061	338944	8556986	DA98C1A0016	100	0	0	0	0	0	0	0	2206	0	17.30188
DA98C10017	17/08/98	EL 5061	329604	8505664	DA98C1A0017	20.07722	80	0	0	0	0	10	0	2196	0	1.156083
DA98C10018	17/08/98	EL 5061	330331	8505527	DA98C1A0018	0	0	0	0	0	0	0	0	2200	0	14.3478
DA98C10020	22/08/98	EL 5062	300095	8503122	DA98C1A0020	100	0	0	0	0	0	0	0	2196	0	38.26951
DA98C10021	22/08/98	EL 5062	300134	8502726	DA98C1A0021	0	0	0	0	0	0	0	1	2206	0	26.43724
DA98C10022	13/09/98	EL 5062	308081	8472691	DA98C1A0022	22.2556	0	0	77.7444	0	0	0	0	2206	2346	5.473495
DA98C10023	13/09/98	EL 5062	304417	8489708	DA98C1A0023	100	0	0	0	0	0	0	0	2206	0	9.681765
DA98C10248	4/08/98	EL 5061	315000	8533780	da98c1A0248	100	0	0	0	0	0	0	0	2202	2356	32.91129
DA98C10249	4/08/98	EL 5061	314925	8533752	da98c1A0249	100	0	0	0	0	0	0	0	2198	2348	37.92475
DA98C10250	4/08/98	EL 5061	314695	8533740	da98c1A0250	100	0	0	0	0	0	0	0	2198	2354	26.9305
DA98C10251	4/08/98	EL 5061	314424	8533660	da98c1A0251	100	0	0	0	0	0	0	0	2196	2350	25.13178
DA98C10252	4/08/98	EL 5061	314200	8533530	da98c1A0252	89.07719	0	0	10.9228	0	0	0	0	2198	0	16.90679
DA98C10253	4/08/98	EL 5061	314000	8533475	da98c1A0253	100	0	0	0	0	0	0	0	2198	2350	30.36841
DA98C10254	4/08/98	EL 5061	313750	8533475	da98c1A0254	87.69928	0	0	12.30072	0	0	0	0	2204	2352	19.06429
DA98C10255	4/08/98	EL 5061	313525	8533338	da98c1A0255	31.90953	0	68	0	0	0	0	0	2204	2354	36.59772
DA98C10256	4/08/98	EL 5061	313234	8533425	da98c1A0256	99.02702	0	0	0.9729862	0	0	0	0	2196	2350	6.769599
DA98C10257	4/08/98	EL 5061	312990	8533330	da98c1A0257	100	0	0	0	0	0	0	0	2204	2354	5.152991
DA98C10258	4/08/98	EL 5061	312560	8533190	da98c1A0258	84.44597	0	0	15.55404	0	0	0	0	2194	2356	8.814295
DA98C10259	4/08/98	EL 5061	312383	8533204	da98c1A0259	100	0	0	0	0	0	0	0	2196	2352	24.95148
DA98C10260	4/08/98	EL 5061	312250	8533200	da98c1A0260	100	0	0	0	0	0	0	0	2202	2356	27.8543
DA98C10261	4/08/98	EL 5061	312020	8533216	da98c1A0261	100	0	0	0	0	0	0	0	2198	2354	14.61717
DA98C10262	4/08/98	EL 5061	311919	8533094	da98c1A0262	100	0	0	0	0	0	0	0	2196	2348	24.19047
DA98C10263	5/08/98	EL 5061	311975	8532985	da98c1A0263	100	0	0	0	0	0	0	0	2200	2352	19.16326
DA98C10264	5/08/98	EL 5061	311850	8532947	da98c1A0264	100	0	0	0	0	0	0	0	2198	2354	10.054
DA98C10265	5/08/98	EL 5061	311540	8533014	da98c1A0265	100	0	0	0	0	0	0	0	2202	2350	30.78885
DA98C10266	5/08/98	EL 5061	311125	8532980	da98c1A0266	100	0	0	0	0	0	0	0	2200	2350	32.2277
DA98C10267	5/08/98	EL 5061	311800	8532940	da98c1A0267	100	0	0	0	0	0	0	0	2198	2354	28.45895
DA98C10268	5/08/98	EL 5061	311947	8533195	da98c1A0268	100	0	0	0	0	0	0	0	2200	2354	26.01402
DA98C10269	6/08/98	EL 5061	340314	8556104	da98c1A0269	38.43763	0	0	61.56237	0	0	0	0	2206	2356	28.3597
DA98C10270	6/08/98	EL 5061	340255	8556185	da98c1A0270	36.84862	0	0	63.15138	0	0	0	0	2206	2356	22.40591
DA98C10271	6/08/98	EL 5061	340125	8556260	da98c1A0271	89.7464	0	0	10.2536	0	0	0	0	2206	2354	25.37335
DA98C10272	6/08/98	EL 5061	340030	8556275	da98c1A0272	100	0	0	0	0	0	0	0	2204	2354	14.09695
DA98C10273	6/08/98	EL 5061	339900	8556330	da98c1A0273	100	0	0	0	0	0	0	0	2204	0	31.08987
DA98C10274	6/08/98	EL 5061	339900	8556440	da98c1A0274	63.15734	0	0	36.84266	0	0	0	0	2204	2354	23.08204
DA98C10275	6/08/98	EL 5061	339770	8556411	da98c1A0275	80.21669	0	0	19.78331	0	0	0	0	2204	2354	25.89146
DA98C10276	6/08/98	EL 5061	339650	8556510	da98c1A0276	71.88676	0	0	28.11324	0	0	0	0	2206	0	33.70724

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C10277	6/08/98	EL 5061	339570	8556600	da98c1A0277	100	0	0	0	0	0	0	0	2196	2346	25.51409
DA98C10278	6/08/98	EL 5061	339490	8556710	da98c1A0278	70.72062	0	0	29.27938	0	0	0	0	2206	2356	23.44007
DA98C10279	6/08/98	EL 5061	339430	8556810	da98c1A0279	100	0	0	0	0	0	0	0	2200	2348	13.28884
DA98C10280	6/08/98	EL 5061	339430	8556990	da98c1A0280	100	0	0	0	0	0	0	0	2198	2350	17.84113
DA98C10281	6/08/98	EL 5061	339373	8557170	da98c1A0281	100	0	0	0	0	0	0	0	2204	2352	27.64584
DA98C10282	6/08/98	EL 5061	339238	8557250	da98c1A0282	100	0	0	0	0	0	0	0	2198	2352	27.34252
DA98C10283	6/08/98	EL 5061	339140	8557335	da98c1A0283	91.15991	0	9	0	0	0	0	0	2204	2350	10.36934
DA98C10284	6/08/98	EL 5061	339000	8557325	da98c1A0284	62.36224	0	0	37.63776	0	0	0	0	2204	0	31.25788
DA98C10285	6/08/98	EL 5061	338862	8557198	da98c1A0285	100	0	0	0	0	0	0	0	2204	2356	22.65374
DA98C10286	6/08/98	EL 5061	338698	8557150	da98c1A0286	100	0	0	0	0	0	0	0	2204	2350	3.2853
DA98C10287	6/08/98	EL 5061	338604	8557240	da98c1A0287	63.51144	0	36	0	0	0	0	0	2204	2354	5.823381
DA98C10288	6/08/98	EL 5061	338700	8557360	da98c1A0288	29.67034	0	70	0	0	0	0	0	2204	2352	4.252702
DA98C10289	7/08/98	EL 5061	338547	8557290	da98c1A0289	43.17521	0	57	0	0	0	0	0	2204	2348	5.849056
DA98C10290	7/08/98	EL 5061	338450	8557440	da98c1A0290	7.000084	0	93	0	0	0	0	0	2204	2356	10.15703
DA98C10291	7/08/98	EL 5061	338350	8557540	da98c1A0291	19.15186	0	81	0	0	0	0	0	2204	2350	13.0869
DA98C10292	7/08/98	EL 5061	338330	8557575	da98c1A0292	12.39528	0	88	0	0	0	0	0	2204	2354	8.469505
DA98C10293	7/08/98	EL 5061	338270	8557720	da98c1A0293	40.13894	0	60	0	0	0	0	0	2204	2356	16.91446
DA98C10294	7/08/98	EL 5061	338200	8557795	da98c1A0294	36.57467	0	63	0	0	0	0	0	2204	2354	9.728361
DA98C10295	7/08/98	EL 5061	338120	8557840	da98c1A0295	100	0	0	0	0	0	0	0	2202	2352	26.21343
DA98C10296	7/08/98	EL 5061	338020	8557930	da98c1A0296	100	0	0	0	0	0	0	0	2200	2352	12.18846
DA98C10297	7/08/98	EL 5061	337969	8558030	da98c1A0297	100	0	0	0	0	0	0	0	2202	2354	15.00253
DA98C10298	7/08/98	EL 5061	337827	8558070	da98c1A0298	100	0	0	0	0	0	0	0	2200	2348	20.1062
DA98C10299	7/08/98	EL 5061	337775	8558145	da98c1A0299	88.52067	0	0	11.47933	0	0	0	0	2204	2352	18.57187
DA98C10300	7/08/98	EL 5061	337660	8558156	da98c1A0300	92.89474	0	7	0	0	0	0	0	2202	2350	14.84099
DA98C10301	7/08/98	EL 5061	337520	8558210	da98c1A0301	0	0	100	0	0	0	0	0	2204	2354	10.68289
DA98C10398	30/08/98	EL 5061	345062	8513958	DA98C1A0398	20.35089	0	0	79.64911	0	0	0	0	2206	0	45.84823
DA98C10399	30/08/98	EL 5061	313015	8509820	DA98C1A0399	40.10669	0	0	59.89331	0	0	0	0	2206	2356	27.80323
DA98C11210	31/08/98	EL 5062	307782	8472649	DA98C1A1210	87.30271	0	0	12.69729	0	0	0	0	2208	2352	6.539083
DA98C11211	31/08/98	EL 5062	307911	8472660	DA98C1A1211	10.59077	0	0	89.40923	0	0	0	0	2206	2354	7.256553
DA98C11212	2/09/98	EL 5061	338650	8556849	DA98C1A1212	96.59737	0	0	3.402632	0	0	0	0	2204	2356	7.911326
DA98C11213	2/09/98	EL 5061	338699	8556853	DA98C1A1213	93.9763	0	0	6.023705	0	0	0	0	2206	2350	4.58732
DA98C11214	2/09/98	EL 5061	338755	8556848	DA98C1A1214	90.56075	0	0	9.439259	0	0	0	0	2206	2356	15.6213
DA98C11215	2/09/98	EL 5061	338803	8556853	DA98C1A1215	100	0	0	0	0	0	0	0	2206	0	26.88133
DA98C11216	2/09/98	EL 5061	338855	8556847	DA98C1A1216	100	0	0	0	0	0	0	0	2204	2356	37.97963
DA98C11217	2/09/98	EL 5061	338901	8556851	DA98C1A1217	69.64176	2	0	28.15441	0	0	0	0	2206	0	55.28308
DA98C11218	2/09/98	EL 5061	338949	8556849	DA98C1A1218	59.59457	0	0	40.40543	0	0	0	0	2206	0	33.38647
DA98C11219	2/09/98	EL 5061	339001	8556851	DA98C1A1219	100	0	0	0	0	0	0	0	2202	2356	20.09782
DA98C11220	2/09/98	EL 5061	339052	8556847	DA98C1A1220	100	0	0	0	0	0	0	0	2198	2350	26.91629
DA98C11221	2/09/98	EL 5061	339103	8556852	DA98C1A1221	100	0	0	0	0	0	0	0	2198	2350	32.83885
DA98C11222	2/09/98	EL 5061	339107	8556903	DA98C1A1222	100	0	0	0	0	0	0	0	2196	2352	17.55224
DA98C11223	2/09/98	EL 5061	339051	8556901	DA98C1A1223	100	0	0	0	0	0	0	0	2206	0	30.08166
DA98C11224	2/09/98	EL 5061	338997	8556902	DA98C1A1224	100	0	0	0	0	0	0	0	2198	2350	32.10643
DA98C11225	2/09/98	EL 5061	338949	8556902	DA98C1A1225	100	0	0	0	0	0	0	0	2200	0	19.9697
DA98C11226	2/09/98	EL 5061	338902	8556902	DA98C1A1226	100	0	0	0	0	0	0	0	2204	2356	48.87728
DA98C11227	2/09/98	EL 5061	338850	8556900	DA98C1A1227	100	0	0	0	0	0	0	0	2204	2354	38.42938
DA98C11228	2/09/98	EL 5061	338801	8556903	DA98C1A1228	86.44345	0	0	13.55655	0	0	0	0	2206	2354	31.85169
DA98C11229	2/09/98	EL 5061	338746	8556904	DA98C1A1229	100	0	0	0	0	0	0	0	2204	2356	24.32776

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11230	2/09/98	EL 5061	338695	8556898	DA98C1A1230	86.3241	0	0	13.67591	0	0	0	0	2206	2354	13.3277
DA98C11231	2/09/98	EL 5061	338653	8556919	DA98C1A1231	89.27739	0	0	10.72261	0	0	0	0	2204	0	20.22445
DA98C11232	2/09/98	EL 5061	338648	8556954	DA98C1A1232	97.66299	0	2	0	0	0	0	0	2204	2346	5.733223
DA98C11233	2/09/98	EL 5061	338700	8556944	DA98C1A1233	100	0	0	0	0	0	0	0	2202	2354	3.655996
DA98C11234	2/09/98	EL 5061	338741	8556946	DA98C1A1234	100	0	0	0	0	0	0	0	2200	2354	18.50614
DA98C11235	2/09/98	EL 5061	338809	8556947	DA98C1A1235	93.01465	0	0	6.985354	0	0	0	0	2204	2352	27.52854
DA98C11236	2/09/98	EL 5061	338864	8556971	DA98C1A1236	97.0098	0	0	2.990197	0	0	0	0	2206	2356	30.3968
DA98C11238	3/09/98	EL 5062	304552	8489763	DA98C1A1238	52.44002	0	0	47.55998	0	0	0	0	2206	0	13.94705
DA98C11239	3/09/98	EL 5062	304334	8489729	DA98C1A1239	51.27042	0	0	48.72958	0	0	0	0	2206	0	25.68134
DA98C11242	4/09/98	EL 5061	338905	8556952	DA98C1A1242	100	0	0	0	0	0	0	0	2204	2354	40.99619
DA98C11243	4/09/98	EL 5061	338964	8556951	DA98C1A1243	100	0	0	0	0	0	0	0	2202	2350	42.36401
DA98C11244	4/09/98	EL 5061	339003	8556953	DA98C1A1244	100	0	0	0	0	0	0	0	2204	2356	42.28629
DA98C11245	4/09/98	EL 5061	339050	8556950	DA98C1A1245	100	0	0	0	0	0	0	0	2202	2356	37.77793
DA98C11246	4/09/98	EL 5061	339101	8556950	DA98C1A1246	100	0	0	0	0	0	0	0	2198	2350	32.41707
DA98C11247	4/09/98	EL 5061	339107	8557004	DA98C1A1247	100	0	0	0	0	0	0	0	2204	2354	25.79474
DA98C11248	4/09/98	EL 5061	339047	8556999	DA98C1A1248	95.93981	0	4	0	0	0	0	0	2204	2354	10.7152
DA98C11249	4/09/98	EL 5061	338998	8557001	DA98C1A1249	100	0	0	0	0	0	0	0	2200	2352	24.95417
DA98C11250	4/09/98	EL 5061	338947	8557003	DA98C1A1250	100	0	0	0	0	0	0	0	2202	0	47.33688
DA98C11251	4/09/98	EL 5061	338896	8557005	DA98C1A1251	100	0	0	0	0	0	0	0	2198	2352	29.15064
DA98C11252	4/09/98	EL 5061	338848	8557001	DA98C1A1252	100	0	0	0	0	0	0	0	2204	2354	29.01798
DA98C11253	4/09/98	EL 5061	338800	8557001	DA98C1A1253	75.9136	0	0	24.0864	0	0	0	0	2204	2354	6.774707
DA98C11254	4/09/98	EL 5061	338751	8556997	DA98C1A1254	100	0	0	0	0	0	0	0	2200	2350	29.75817
DA98C11255	4/09/98	EL 5061	338698	8557001	DA98C1A1255	100	0	0	0	0	0	0	0	2204	2352	5.015154
DA98C11256	4/09/98	EL 5061	338650	8557001	DA98C1A1256	83.90047	0	0	16.09953	0	0	0	0	2204	2354	31.4386
DA98C11257	4/09/98	EL 5061	338650	8557052	DA98C1A1257	81.66664	0	0	18.33336	0	0	0	0	2200	2350	8.776533
DA98C11258	4/09/98	EL 5061	338700	8557050	DA98C1A1258	100	0	0	0	0	0	0	0	2200	2354	25.46467
DA98C11259	4/09/98	EL 5061	338751	8557053	DA98C1A1259	100	0	0	0	0	0	0	0	2202	2354	38.71432
DA98C11260	4/09/98	EL 5061	338802	8557051	DA98C1A1260	100	0	0	0	0	0	0	0	2202	2354	38.71432
DA98C11261	4/09/98	EL 5061	338851	8557051	DA98C1A1261	47.4477	0	0	52.5523	0	0	0	0	2206	2350	6.099289
DA98C11262	4/09/98	EL 5061	338900	8557049	DA98C1A1262	86.89759	0	0	13.10241	0	0	0	0	2204	2352	34.16713
DA98C11263	4/09/98	EL 5061	338950	8557053	DA98C1A1263	100	0	0	0	0	0	0	0	2204	2354	36.0951
DA98C11264	4/09/98	EL 5061	339004	8557052	DA98C1A1264	100	0	0	0	0	0	0	0	2198	2348	7.906516
DA98C11265	4/09/98	EL 5061	339054	8557050	DA98C1A1265	100	0	0	0	0	0	0	0	2198	2344	16.47041
DA98C11266	4/09/98	EL 5061	339101	8557050	DA98C1A1266	72.33918	0	0	27.66082	0	0	0	0	2198	2348	6.887665
DA98C11267	4/09/98	EL 5061	339101	8557103	DA98C1A1267	85.54793	0	0	14.45208	0	0	0	0	2204	2356	19.80947
DA98C11268	4/09/98	EL 5061	339048	8557100	DA98C1A1268	100	0	0	0	0	0	0	0	2200	2346	4.896152
DA98C11269	4/09/98	EL 5061	339000	8557099	DA98C1A1269	100	0	0	0	0	0	0	0	2204	2356	20.57836
DA98C11270	4/09/98	EL 5061	338959	8557098	DA98C1A1270	100	0	0	0	0	0	0	0	2202	2356	25.08838
DA98C11271	4/09/98	EL 5061	338901	8557096	DA98C1A1271	100	0	0	0	0	0	0	0	2200	2354	9.466815
DA98C11272	4/09/98	EL 5061	338849	8557101	DA98C1A1272	100	0	0	0	0	0	0	0	2198	2352	28.31714
DA98C11273	4/09/98	EL 5061	338799	8557098	DA98C1A1273	100	0	0	0	0	0	0	0	2202	2356	24.27683
DA98C11274	4/09/98	EL 5061	338749	8557100	DA98C1A1274	100	0	0	0	0	0	0	0	2198	2350	35.83942
DA98C11275	4/09/98	EL 5061	338699	8557103	DA98C1A1275	67.09589	0	0	32.90411	0	0	0	0	2204	2356	13.85859
DA98C11276	4/09/98	EL 5061	338650	8557101	DA98C1A1276	97.67438	0	0	2.325624	0	0	0	0	2204	2356	16.36849
DA98C11277	4/09/98	EL 5061	338652	8557153	DA98C1A1277	61.78949	0	38	0	0	0	0	0	2204	2354	2.671674
DA98C11278	4/09/98	EL 5061	338701	8557149	DA98C1A1278	99.89898	0	0	0.1010239	0	0	0	0	2204	2356	23.74097
DA98C11279	4/09/98	EL 5061	338752	8557158	DA98C1A1279	100	0	0	0	0	0	0	0	2200	2352	27.26233

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11280	4/09/98	EL 5061	338803	8557148	DA98C1A1280	96.66695	0	0	3.333051	0	0	0	0	2202	2352	2.687355
DA98C11281	4/09/98	EL 5061	338851	8557152	DA98C1A1281	100	0	0	0	0	0	0	0	2202	2354	29.64179
DA98C11282	4/09/98	EL 5061	338900	8557150	DA98C1A1282	86.74146	0	0	13.25854	0	0	0	0	2204	0	31.67775
DA98C11283	4/09/98	EL 5061	338947	8557149	DA98C1A1283	93.25833	0	0	6.741671	0	0	0	0	2202	2348	11.18284
DA98C11284	4/09/98	EL 5061	339003	8557149	DA98C1A1284	100	0	0	0	0	0	0	0	2202	2354	36.01231
DA98C11285	4/09/98	EL 5061	339054	8557151	DA98C1A1285	100	0	0	0	0	0	0	0	2200	2354	21.04474
DA98C11286	4/09/98	EL 5061	339101	8557151	DA98C1A1286	100	0	0	0	0	0	0	0	2200	2346	26.98739
DA98C11287	4/09/98	EL 5061	339102	8557202	DA98C1A1287	90.05442	0	10	0	0	0	0	0	2202	2352	9.057213
DA98C11288	4/09/98	EL 5061	339049	8557193	DA98C1A1288	100	0	0	0	0	0	0	0	2200	2352	14.8724
DA98C11289	4/09/98	EL 5061	339001	8557202	DA98C1A1289	100	0	0	0	0	0	0	0	2204	2350	31.97211
DA98C11290	4/09/98	EL 5061	338951	8557204	DA98C1A1290	97.89552	0	0	2.104473	0	0	0	0	2204	2346	12.62322
DA98C11291	4/09/98	EL 5061	338901	8557197	DA98C1A1291	100	0	0	0	0	0	0	0	2196	0	23.46339
DA98C11292	4/09/98	EL 5061	338800	8557201	DA98C1A1292	50.82918	0	0	49.17082	0	0	0	0	2206	2354	34.65203
DA98C11293	4/09/98	EL 5061	338751	8557203	DA98C1A1293	100	0	0	0	0	0	0	0	2200	2352	27.53965
DA98C11294	4/09/98	EL 5061	338707	8557202	DA98C1A1294	0	100	0	0	0	7	0	0	2196	2332	2.573929
DA98C11295	4/09/98	EL 5061	338650	8557203	DA98C1A1295	0	100	0	0	0	6	0	0	2206	0	15.76294
DA98C11296	4/09/98	EL 5061	338652	8557253	DA98C1A1296	21.52126	0	78	0	0	0	0	0	2206	2356	9.300742
DA98C11297	4/09/98	EL 5061	338703	8557248	DA98C1A1297	35.7264	0	64	0	0	0	0	0	2204	2352	7.813667
DA98C11298	4/09/98	EL 5061	338750	8557249	DA98C1A1298	74.4979	0	26	0	0	0	0	0	2204	2354	14.46205
DA98C11299	4/09/98	EL 5061	338806	8557244	DA98C1A1299	100	0	0	0	0	0	0	0	2202	2348	26.639
DA98C11300	4/09/98	EL 5061	338852	8557250	DA98C1A1300	100	0	0	0	0	0	0	0	2204	2354	35.23314
DA98C11301	4/09/98	EL 5061	338902	8557250	DA98C1A1301	66.40279	0	34	0	0	0	0	0	2204	2354	18.00105
DA98C11302	4/09/98	EL 5061	338961	8557274	DA98C1A1302	100	0	0	0	0	0	0	0	2198	2352	20.72958
DA98C11303	4/09/98	EL 5061	339002	8557249	DA98C1A1303	100	0	0	0	0	0	0	0	2202	2350	22.47747
DA98C11304	4/09/98	EL 5061	339052	8557249	DA98C1A1304	79.75909	20	0	0	0	0	0	0	2206	2348	30.61081
DA98C11305	4/09/98	EL 5061	339103	8557251	DA98C1A1305	24.71801	0	75	0	0	0	0	0	2204	2350	23.05225
DA98C11306	5/09/98	EL 5061	313131	8527232	DA98C1A1306	6.425644	0	0	93.57436	0	0	0	0	2206	0	76.68033
DA98C11307	5/09/98	EL 5062	303125	8501756	DA98C1A1307	41.36894	0	0	58.63106	0	0	0	0	2206	0	22.14472
DA98C11308	5/09/98	EL 5062	307062	8490581	DA98C1A1308	13.72256	0	0	0	86	0	0	0	2206	2356	34.34422
DA98C11309	5/09/98	EL 5062	306768	8487311	DA98C1A1309	100	0	0	0	0	0	0	0	2218	2354	7.46509
DA98C11382	13/09/98	EL 5062	308038	8472653	DA98C1A1382	92.5384	0	7	0	0	0	0	0	2206	0	1.666948
DA98C11383	13/09/98	EL 5062	307943	8472982	DA98C1A1383	98.60629	0	0	0	0	1	0	0	2214	0	18.62949
DA98C11384	13/09/98	EL 5062	304549	8489670	DA98C1A1384	100	0	0	0	0	0	0	0	2204	0	20.46808
DA98C11400	22/09/98	EL 5062	304700	8489300	DA98C1A1400	17.05888	0	0	82.94112	0	0	0	0	2206	0	27.01217
DA98C11401	22/09/98	EL 5062	304700	8489400	DA98C1A1401	8.282738	0	0	91.71726	0	0	0	0	2206	0	32.37619
DA98C11402	22/09/98	EL 5062	304700	8489500	DA98C1A1402	12.77559	0	0	87.22441	0	0	0	0	2206	0	21.54414
DA98C11403	22/09/98	EL 5062	304700	8489600	DA98C1A1403	38.2142	0	0	61.7858	0	0	0	0	2206	2342	11.53504
DA98C11405	22/09/98	EL 5062	304700	8489800	DA98C1A1405	100	0	0	0	0	0	0	0	2208	0	9.758513
DA98C11406	22/09/98	EL 5062	304700	8489900	DA98C1A1406	51.57628	0	0	48.42372	0	0	0	0	2206	0	19.83986
DA98C11408	22/09/98	EL 5062	304700	8490100	DA98C1A1408	9.460403	0	0	90.5396	0	0	0	0	2206	0	34.50086
DA98C11411	22/09/98	EL 5062	304500	8490100	DA98C1A1411	26.12283	0	0	73.87717	0	0	0	0	2206	0	29.95272
DA98C11414	22/09/98	EL 5062	304500	8489800	DA98C1A1414	37.5695	0	0	62.4305	0	0	0	0	2206	0	20.36663
DA98C11415	22/09/98	EL 5062	304500	8489700	DA98C1A1415	35.28405	0	0	0	65	0	0	0	2206	0	19.17846
DA98C11420	22/09/98	EL 5062	304300	8489300	DA98C1A1420	96.04768	0	0	0	0	4	0	0	2206	0	15.36408
DA98C11421	22/09/98	EL 5062	304300	8489400	DA98C1A1421	100	0	0	0	0	0	0	0	2222	0	12.62617
DA98C11422	22/09/98	EL 5062	304300	8489500	DA98C1A1422	100	0	0	0	0	0	0	0	2204	0	11.00631
DA98C11423	22/09/98	EL 5062	304300	8489600	DA98C1A1423	62.31983	0	0	37.68017	0	0	0	0	2206	0	20.99228

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11424	22/09/98	EL 5062	304300	8489700	DA98C1A1424	100	0	0	0	0	0	0	0	2204	0	21.94383
DA98C11425	22/09/98	EL 5062	304300	8489800	DA98C1A1425	100	0	0	0	0	0	0	0	2206	0	17.45448
DA98C11426	22/09/98	EL 5062	304300	8489900	DA98C1A1426	60.22355	0	0	39.77645	0	0	0	0	2206	0	19.66608
DA98C11437	22/09/98	EL 5062	304100	8489700	DA98C1A1437	46.38008	0	0	53.61992	0	0	0	0	2206	0	19.33455
DA98C11439	22/09/98	EL 5062	304100	8489500	DA98C1A1439	27.34169	0	0	72.65831	0	0	0	0	2204	0	28.09373
DA98C11440	22/09/98	EL 5062	304100	8489400	DA98C1A1440	34.90944	0	0	0	65	0	0	0	2206	0	17.44953
DA98C11441	22/09/98	EL 5062	304100	8489300	DA98C1A1441	44.75771	0	0	55.24229	0	0	0	0	2206	0	13.94131
DA98C11442	22/09/98	EL 5062	304900	8489300	DA98C1A1442	22.35474	0	0	77.64526	0	0	0	0	2208	0	22.93323
DA98C11443	22/09/98	EL 5062	304900	8489400	DA98C1A1443	37.39118	0	0	62.60882	0	0	0	0	2208	0	22.69857
DA98C11444	22/09/98	EL 5062	304900	8489500	DA98C1A1444	23.53045	0	0	76.46955	0	0	0	0	2208	0	24.58611
DA98C11445	22/09/98	EL 5062	304900	8489600	DA98C1A1445	16.20767	0	0	83.79233	0	0	0	0	2208	0	26.18565
DA98C11446	22/09/98	EL 5062	304900	8489700	DA98C1A1446	15.23822	0	0	84.76178	0	0	0	0	2208	0	22.43781
DA98C11456	22/09/98	EL 5062	305000	8489800	DA98C1A1456	12.76299	0	0	87.23701	0	0	0	0	2206	0	35.18191
DA98C11457	22/09/98	EL 5062	305000	8489700	DA98C1A1457	5.012627	0	0	94.98737	0	0	0	0	2206	0	30.80243
DA98C11458	22/09/98	EL 5062	305000	8489600	DA98C1A1458	10.99744	0	0	89.00256	0	0	0	0	2206	0	18.70026
DA98C11459	22/09/98	EL 5062	305000	8489500	DA98C1A1459	22.06922	0	0	77.93078	0	0	0	0	2206	0	22.07583
DA98C11460	22/09/98	EL 5062	305000	8489400	DA98C1A1460	8.95459	0	0	91.04541	0	0	0	0	2206	0	22.01342
DA98C11461	22/09/98	EL 5062	305000	8489300	DA98C1A1461	29.68971	0	0	70.31029	0	0	0	0	2208	0	11.7849
DA98C11462	24/09/98	EL 5061	338750	8558800	DA98C1A1462	100	0	0	0	0	0	0	0	2200	0	31.40903
DA98C11463	24/09/98	EL 5061	338800	8558800	DA98C1A1463	93.60275	0	0	0	6	0	0	0	2206	0	11.01994
DA98C11464	24/09/98	EL 5061	338850	8558800	DA98C1A1464	56.75894	0	0	43.24106	0	0	0	0	2206	0	5.364831
DA98C11465	24/09/98	EL 5061	338900	8558800	DA98C1A1465	100	0	0	0	0	0	0	0	2200	0	32.72016
DA98C11466	24/09/98	EL 5061	338950	8558800	DA98C1A1466	94.99985	5	0	0	0	0	0	0	2200	0	17.6299
DA98C11467	24/09/98	EL 5061	339000	8558800	DA98C1A1467	64.55257	0	0	35.44743	0	0	0	0	2204	0	21.99152
DA98C11468	24/09/98	EL 5061	339050	8558800	DA98C1A1468	88.36789	0	0	0	0	12	0	0	2202	2344	18.41164
DA98C11469	24/09/98	EL 5061	339100	8558800	DA98C1A1469	93.83746	0	6	0	0	0	0	0	2204	0	5.575525
DA98C11470	24/09/98	EL 5061	339150	8558800	DA98C1A1470	97.6918	0	0	0	0	2	0	0	2202	0	17.46886
DA98C11471	24/09/98	EL 5061	339200	8558800	DA98C1A1471	100	0	0	0	0	0	0	0	2204	0	39.20933
DA98C11472	24/09/98	EL 5061	339250	8558800	DA98C1A1472	100	0	0	0	0	0	0	0	2204	0	34.09882
DA98C11473	24/09/98	EL 5061	339300	8558800	DA98C1A1473	100	0	0	0	0	0	0	0	2196	0	24.35397
DA98C11474	24/09/98	EL 5061	339350	8558800	DA98C1A1474	76.16249	0	0	23.83751	0	0	0	0	2206	0	4.327396
DA98C11475	24/09/98	EL 5061	339400	8558800	DA98C1A1475	87.54754	0	0	12.45246	0	0	0	0	2204	0	21.89847
DA98C11476	24/09/98	EL 5061	339450	8558800	DA98C1A1476	100	0	0	0	0	0	0	0	2204	0	7.55487
DA98C11477	24/09/98	EL 5061	339450	8558650	DA98C1A1477	27.48846	0	73	0	0	0	0	0	2206	0	30.71921
DA98C11478	24/09/98	EL 5061	339400	8558650	DA98C1A1478	42.5976	57	0	0	0	0	0	0	2200	2346	4.158999
DA98C11479	24/09/98	EL 5061	339350	8558650	DA98C1A1479	76.14891	0	24	0	0	0	0	0	2204	0	24.85536
DA98C11480	24/09/98	EL 5061	339300	8558650	DA98C1A1480	100	0	0	0	0	0	0	0	2204	0	24.85538
DA98C11481	24/09/98	EL 5061	339250	8558650	DA98C1A1481	99.2346	1	0	0	0	0	0	0	2202	0	4.761778
DA98C11482	24/09/98	EL 5061	339200	8558650	DA98C1A1482	97.68921	0	0	2.310789	0	0	0	0	2204	0	10.41382
DA98C11483	24/09/98	EL 5061	339150	8558650	DA98C1A1483	98.81489	1	0	0	0	0	0	0	2198	0	16.17515
DA98C11484	24/09/98	EL 5061	339100	8558650	DA98C1A1484	0	100	0	0	0	0	0	0	2200	2346	3.115124
DA98C11485	24/09/98	EL 5061	339050	8558650	DA98C1A1485	59.58096	0	0	40.41904	0	0	0	0	2206	0	17.18203
DA98C11486	24/09/98	EL 5061	339000	8558650	DA98C1A1486	83.07037	0	0	0	0	17	0	0	2206	2342	6.863047
DA98C11487	24/09/98	EL 5061	338950	8558650	DA98C1A1487	0	0	0	0	0	100	0	0	2198	2324	1.927777
DA98C11488	24/09/98	EL 5061	338900	8558650	DA98C1A1488	0	0	0	0	0	100	0	0	2214	0	3.097032
DA98C11489	24/09/98	EL 5061	338850	8558650	DA98C1A1489	100	0	0	0	0	0	0	0	2200	2346	20.75904
DA98C11490	24/09/98	EL 5061	338800	8558650	DA98C1A1490	39.5516	0	0	60.4484	0	0	0	0	2206	0	8.650923

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11491	24/09/98	EL 5061	338750	8558650	DA98C1A1491	62.03252	0	0	37.96748	0	0	0	0	2204	0	9.341436
DA98C11600	22/09/98	EL 5062	304400	8489300	DA98C1A1600	31.91927	0	0	0	68	0	0	0	2208	0	14.88841
DA98C11602	22/09/98	EL 5062	304400	8489500	DA98C1A1602	63.66325	0	0	36.33675	0	0	0	0	2206	0	15.70623
DA98C11603	22/09/98	EL 5062	304400	8489600	DA98C1A1603	54.7352	0	0	45.2648	0	0	0	0	2206	0	19.46344
DA98C11604	22/09/98	EL 5062	304400	8489700	DA98C1A1604	9.471893	0	0	90.52811	0	0	0	0	2206	0	16.66785
DA98C11605	22/09/98	EL 5062	304400	8489800	DA98C1A1605	58.12556	0	0	41.87444	0	0	0	0	2206	0	17.62983
DA98C11606	22/09/98	EL 5062	304400	8489900	DA98C1A1606	100	0	0	0	0	0	0	0	2206	0	18.57442
DA98C11607	22/09/98	EL 5062	304400	8490000	DA98C1A1607	57.4789	0	0	42.5211	0	0	0	0	2206	0	20.63845
DA98C11614	22/09/98	EL 5062	304600	8489800	DA98C1A1614	27.58026	0	0	72.41974	0	0	0	0	2206	0	14.97802
DA98C11615	22/09/98	EL 5062	304600	8489700	DA98C1A1615	36.40401	0	0	63.59599	0	0	0	0	2206	0	14.3049
DA98C11616	22/09/98	EL 5062	304600	8489600	DA98C1A1616	52.63168	0	0	47.36832	0	0	0	0	2206	0	14.73041
DA98C11618	22/09/98	EL 5062	304600	8489400	DA98C1A1618	52.81319	0	0	47.18681	0	0	0	0	2206	0	13.01784
DA98C11619	22/09/98	EL 5062	304600	8489300	DA98C1A1619	46.09631	0	0	53.90369	0	0	0	0	2206	0	10.68622
DA98C11620	22/09/98	EL 5062	304200	8489300	DA98C1A1620	34.35484	0	0	0	66	0	0	0	2206	0	20.6775
DA98C11621	22/09/98	EL 5062	304200	8489400	DA98C1A1621	47.05488	0	0	52.94512	0	0	0	0	2206	0	19.83546
DA98C11622	22/09/98	EL 5062	304200	8489500	DA98C1A1622	41.95057	0	0	58.04943	0	0	0	0	2206	0	19.96542
DA98C11623	22/09/98	EL 5062	304200	8489600	DA98C1A1623	47.37493	0	0	52.62507	0	0	0	0	2206	0	19.87926
DA98C11624	22/09/98	EL 5062	304200	8489700	DA98C1A1624	35.01204	0	0	64.98796	0	0	0	0	2206	0	23.80606
DA98C11625	22/09/98	EL 5062	304200	8489800	DA98C1A1625	36.53132	0	0	0	63	0	0	0	2206	0	19.17128
DA98C11634	22/09/98	EL 5062	304000	8489900	DA98C1A1634	1.780991	0	0	98.21901	0	0	0	0	2208	0	25.7734
DA98C11639	22/09/98	EL 5062	304000	8489400	DA98C1A1639	100	0	0	0	0	0	0	0	2206	0	18.80082
DA98C11640	22/09/98	EL 5062	304000	8489300	DA98C1A1640	45.44421	0	0	54.55579	0	0	0	0	2206	0	25.08909
DA98C11641	22/09/98	EL 5062	304800	8489300	DA98C1A1641	62.91766	0	0	37.08234	0	0	0	0	2206	0	19.44982
DA98C11642	22/09/98	EL 5062	304800	8489400	DA98C1A1642	16.2631	0	0	83.7369	0	0	0	0	2206	0	14.95977
DA98C11643	22/09/98	EL 5062	304800	8489500	DA98C1A1643	25.30574	0	0	74.69426	0	0	0	0	2206	0	25.93015
DA98C11644	22/09/98	EL 5062	304800	8489600	DA98C1A1644	39.21883	0	0	60.78117	0	0	0	0	2206	0	22.04781
DA98C11646	22/09/98	EL 5062	304800	8489800	DA98C1A1646	64.91945	0	0	35.08055	0	0	0	0	2206	0	17.9022
DA98C11900	22/09/98	EL 5062	304959	8490209	DA98C1A1900	0	0	0	0	0	0	0	0	0	0	15.40349
DA98C11901	22/09/98	EL 5062	305444	8490184	DA98C1A1901	50.05294	0	0	49.94706	0	0	0	0	2206	0	15.47028
DA98C11902	22/09/98	EL 5062	305730	8490040	DA98C1A1902	3.554596	0	0	96.4454	0	0	0	0	2206	0	26.74879
DA98C11903	22/09/98	EL 5062	305730	8490198	DA98C1A1903	49.84423	0	0	50.15577	0	0	0	0	2206	0	23.71161
DA98C12008	23/08/98	EL 5062	295867	8502861	DA98C1A2008	24.07883	0	0	75.92117	0	0	0	0	2208	0	46.72225
DA98C12009	23/08/98	EL 5062	296242	8502053	DA98C1A2009	93.76101	6	0	0	0	0	0	0	2196	0	27.7676
DA98C12011	23/08/98	EL 5062	294466	8507028	DA98C1A2011	33.0949	0	0	66.9051	0	0	0	0	2208	0	45.401
DA98C12013	23/08/98	EL 5062	306600	8485644	DA98C1A2013	42.60468	0	0	57.39532	0	0	0	0	2208	0	11.02516
DA98C12014	23/08/98	EL 5062	306407	8485631	DA98C1A2014	32.04772	0	0	67.95228	0	0	0	0	2208	0	18.63918
DA98C12015	23/08/98	EL 5062	306354	8485664	DA98C1A2015	56.90411	43	0	0	0	0	0	0	2202	2342	3.21014
DA98C13001	23/08/98	EL 5062	309900	8476300	DA98C1A3001	100	0	0	0	0	0	0	0	2204	2346	6.343144
DA98C13002	23/08/98	EL 5062	309959	8476373	DA98C1A3002	100	0	0	0	0	0	0	0	2206	0	7.117263
DA98C13004	23/08/98	EL 5062	303923	8484345	DA98C1A3004	100	0	0	0	0	0	0	0	2204	2346	4.77315
DA98C13005	23/08/98	EL 5062	304056	8484536	DA98C1A3005	93.44158	0	0	0	0	7	0	0	2208	0	6.018199
DA98C13006	23/08/98	EL 5062	309067	8490966	DA98C1A3006	17.13503	0	0	53.93401	0	29	0	0	2206	0	12.56961
DA98C13007	23/08/98	EL 5061	310694	8488837	DA98C1A3007	100	0	0	0	0	0	0	0	2204	0	18.13468
DA98C13008	23/08/98	EL 5061	310788	8488885	DA98C1A3008	41.00831	0	0	58.99169	0	0	0	0	2206	0	18.10951
DA98C13200	13/09/98	EL 5061	338750	8557850	DA98C1A3200	66.46178	0	0	33.53822	0	0	0	0	2204	0	3.514573
DA98C13201	13/09/98	EL 5061	338804	8557848	DA98C1A3201	100	0	0	0	0	0	0	0	2200	0	11.57218
DA98C13202	13/09/98	EL 5061	338850	8557853	DA98C1A3202	33.92699	0	0	66.07301	0	0	0	0	2206	0	6.354191

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Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13203	13/09/98	EL 5061	338903	8557851	DA98C1A3203	100	0	0	0	0	0	0	0	2202	0	24.89606
DA98C13204	13/09/98	EL 5061	338952	8557850	DA98C1A3204	100	0	0	0	0	0	0	0	2204	0	24.31085
DA98C13205	13/09/98	EL 5061	339001	8557852	DA98C1A3205	100	0	0	0	0	0	0	0	2204	0	37.14555
DA98C13206	13/09/98	EL 5061	339047	8557852	DA98C1A3206	63.66568	0	0	36.33432	0	0	0	0	2206	0	23.97638
DA98C13207	13/09/98	EL 5061	339100	8557852	DA98C1A3207	97.85029	2	0	0	0	0	0	0	2204	2346	25.2996
DA98C13208	13/09/98	EL 5061	339152	8557849	DA98C1A3208	89.8784	10	0	0	0	0	0	0	2204	0	37.17864
DA98C13209	13/09/98	EL 5061	339203	8557849	DA98C1A3209	100	0	0	0	0	0	0	0	2204	0	21.55206
DA98C13210	13/09/98	EL 5061	339252	8557851	DA98C1A3210	91.41143	9	0	0	0	0	0	0	2204	0	8.660052
DA98C13211	13/09/98	EL 5061	339299	8557850	DA98C1A3211	85.17101	0	0	14.829	0	0	0	0	2206	0	10.96288
DA98C13212	13/09/98	EL 5061	339354	8557851	DA98C1A3212	84.16404	0	0	15.83596	0	0	0	0	2206	0	5.447884
DA98C13213	13/09/98	EL 5061	339401	8557849	DA98C1A3213	91.0498	0	0	8.950204	0	0	0	0	2206	0	18.10782
DA98C13214	13/09/98	EL 5061	339450	8557848	DA98C1A3214	82.59549	0	17	0	0	0	0	0	2206	0	3.36236
DA98C13215	13/09/98	EL 5061	339448	8558004	DA98C1A3215	92.58958	7	0	0	0	0	0	0	2200	2346	25.39815
DA98C13216	13/09/98	EL 5061	339400	8558003	DA98C1A3216	100	0	0	0	0	0	0	0	2202	0	29.81925
DA98C13217	13/09/98	EL 5061	339349	8558000	DA98C1A3217	100	0	0	0	0	0	0	0	2200	0	25.53241
DA98C13218	13/09/98	EL 5061	339301	8558000	DA98C1A3218	82.24422	0	0	0	0	18	0	0	2200	0	3.985445
DA98C13219	13/09/98	EL 5061	339250	8558002	DA98C1A3219	38.36251	0	62	0	0	0	0	0	2206	0	7.198638
DA98C13220	13/09/98	EL 5061	339200	8558003	DA98C1A3220	100	0	0	0	0	0	0	0	2206	0	20.32254
DA98C13221	13/09/98	EL 5061	339153	8558008	DA98C1A3221	71.02278	0	29	0	0	0	0	0	2204	0	9.009241
DA98C13222	13/09/98	EL 5061	339100	8558004	DA98C1A3222	97.27258	0	0	2.727413	0	0	0	0	2204	0	6.458138
DA98C13223	13/09/98	EL 5061	339040	8558008	DA98C1A3223	100	0	0	0	0	0	0	0	2200	2346	6.134218
DA98C13224	13/09/98	EL 5061	339003	8558006	DA98C1A3224	56.36959	0	0	43.63041	0	0	0	0	2206	0	35.09153
DA98C13225	13/09/98	EL 5061	338950	8558003	DA98C1A3225	63.73232	0	0	36.26768	0	0	0	0	2206	0	19.09495
DA98C13226	13/09/98	EL 5061	338899	8558007	DA98C1A3226	100	0	0	0	0	0	0	0	2200	0	6.656977
DA98C13227	13/09/98	EL 5061	338850	8558010	DA98C1A3227	100	0	0	0	0	0	0	0	2202	0	38.99281
DA98C13228	13/09/98	EL 5061	338800	8558007	DA98C1A3228	100	0	0	0	0	0	0	0	2202	0	34.90253
DA98C13229	13/09/98	EL 5061	338750	8558007	DA98C1A3229	100	0	0	0	0	0	0	0	2206	0	19.95306
DA98C13230	13/09/98	EL 5061	338750	8558101	DA98C1A3230	100	0	0	0	0	0	0	0	2202	0	30.84357
DA98C13231	13/09/98	EL 5061	338803	8558107	DA98C1A3231	100	0	0	0	0	0	0	0	2202	2344	9.388623
DA98C13232	13/09/98	EL 5061	338851	8558092	DA98C1A3232	91.03288	0	0	0	0	9	0	0	2198	2338	11.09162
DA98C13233	13/09/98	EL 5061	338906	8558096	DA98C1A3233	100	0	0	0	0	0	0	0	2204	0	40.0872
DA98C13234	13/09/98	EL 5061	338953	8558104	DA98C1A3234	86.97066	0	0	13.02934	0	0	0	0	2204	0	30.16333
DA98C13235	13/09/98	EL 5061	339003	8558108	DA98C1A3235	100	0	0	0	0	0	0	0	2202	0	44.79784
DA98C13236	13/09/98	EL 5061	339051	8558103	DA98C1A3236	79.81038	0	0	20.18962	0	0	0	0	2206	0	22.13561
DA98C13237	13/09/98	EL 5061	339102	8558100	DA98C1A3237	100	0	0	0	0	0	0	0	2204	0	18.68994
DA98C13238	13/09/98	EL 5061	339154	8558103	DA98C1A3238	79.18925	21	0	0	0	0	0	0	2204	0	15.26482
DA98C13239	13/09/98	EL 5061	339203	8558100	DA98C1A3239	72.70929	0	0	27.29071	0	0	0	0	2204	0	11.69598
DA98C13240	13/09/98	EL 5061	339253	8558105	DA98C1A3240	69.47833	0	0	16.94757	0	14	0	0	2204	0	8.409759
DA98C13241	13/09/98	EL 5061	339298	8558123	DA98C1A3241	82.00051	0	0	17.99949	0	0	0	0	2204	0	8.915018
DA98C13242	13/09/98	EL 5061	339352	8558109	DA98C1A3242	73.79765	0	26	0	0	0	0	0	2204	2344	7.897909
DA98C13243	13/09/98	EL 5061	339403	8558105	DA98C1A3243	82.55722	0	0	17.44278	0	0	0	0	2204	0	39.37755
DA98C13244	13/09/98	EL 5061	339452	8558181	DA98C1A3244	93.38205	7	0	0	0	0	0	0	2202	2346	19.21878
DA98C13245	13/09/98	EL 5061	339152	8558210	DA98C1A3245	0	0	0	0	0	0	1	1	2204	2346	13.09354
DA98C13246	13/09/98	EL 5061	339400	8558202	DA98C1A3246	82.61272	0	17	0	0	0	0	0	2204	0	7.467236
DA98C13247	13/09/98	EL 5061	339346	8558201	DA98C1A3247	60.71441	0	39	0	0	0	0	0	2204	0	9.986198
DA98C13248	13/09/98	EL 5061	339303	8558201	DA98C1A3248	84.64922	0	0	15.35078	0	0	0	0	2204	0	30.40258
DA98C13249	13/09/98	EL 5061	339251	8558202	DA98C1A3249	88.72318	0	0	11.27682	0	0	0	0	2204	0	3.938419

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13250	13/09/98	EL 5061	339205	8558202	DA98C1A3250	100	0	0	0	0	0	0	0	2202	0	6.569077
DA98C13251	13/09/98	EL 5061	339147	8558201	DA98C1A3251	56.83565	0	0	43.16435	0	0	0	0	2204	0	34.65595
DA98C13252	13/09/98	EL 5061	339101	8558199	DA98C1A3252	99.35609	0	0	0.643909	0	0	0	0	2204	0	24.54092
DA98C13253	13/09/98	EL 5061	339047	8558195	DA98C1A3253	100	0	0	0	0	0	0	0	2202	0	28.45834
DA98C13254	13/09/98	EL 5061	339002	8558202	DA98C1A3254	82.45957	0	0	0	0	18	0	0	2204	0	4.75784
DA98C13255	13/09/98	EL 5061	338946	8558202	DA98C1A3255	100	0	0	0	0	0	0	0	2198	0	10.17028
DA98C13256	13/09/98	EL 5061	338899	8558207	DA98C1A3256	100	0	0	0	0	0	0	0	2200	2336	2.199678
DA98C13257	13/09/98	EL 5061	338848	8558207	DA98C1A3257	0	0	0	0	0	0	0	0	2198	2338	1.732354
DA98C13258	13/09/98	EL 5061	338798	8558207	DA98C1A3258	0	0	0	0	0	0	0	1	2202	0	7.688691
DA98C13259	13/09/98	EL 5061	338751	8558198	DA98C1A3259	82.67128	0	0	17.32872	0	0	0	0	2204	0	7.169925
DA98C13260	13/09/98	EL 5061	338754	8558302	DA98C1A3260	88.06307	0	0	11.93693	0	0	0	0	2204	0	12.59052
DA98C13261	13/09/98	EL 5061	338798	8558281	DA98C1A3261	100	0	0	0	0	0	0	0	2202	0	8.974648
DA98C13262	13/09/98	EL 5061	338854	8558301	DA98C1A3262	100	0	0	0	0	0	0	0	2204	0	22.12526
DA98C13263	13/09/98	EL 5061	338903	8558298	DA98C1A3263	28.50982	18	0	0	53	0	0	0	2204	2334	1.244071
DA98C13264	13/09/98	EL 5061	338951	8558301	DA98C1A3264	92.4838	0	0	0	0	8	0	0	2202	2342	8.66123
DA98C13265	13/09/98	EL 5061	338998	8558300	DA98C1A3265	88.97841	0	0	0	0	11	0	0	2204	0	9.755673
DA98C13266	13/09/98	EL 5061	339049	8558301	DA98C1A3266	49.91935	50	0	0	0	0	0	0	2206	2344	4.199058
DA98C13267	13/09/98	EL 5061	339100	8558301	DA98C1A3267	100	0	0	0	0	0	0	0	2204	0	42.04607
DA98C13268	13/09/98	EL 5061	339151	8558301	DA98C1A3268	82.76156	0	0	9.24881	0	8	0	0	2204	0	18.00626
DA98C13269	14/09/98	EL 5061	339201	8558300	DA98C1A3269	69.59219	24	0	6.466179	0	0	0	0	2204	2346	6.708787
DA98C13270	14/09/98	EL 5061	339251	8558302	DA98C1A3270	100	0	0	0	0	0	0	0	2204	0	19.42931
DA98C13271	14/09/98	EL 5061	339300	8558300	DA98C1A3271	84.40244	0	0	15.59756	0	0	0	0	2204	0	3.171343
DA98C13272	14/09/98	EL 5061	339350	8558300	DA98C1A3272	100	0	0	0	0	0	0	0	2202	0	11.82598
DA98C13273	14/09/98	EL 5061	339400	8558300	DA98C1A3273	79.64131	0	0	20.35868	0	0	0	0	2204	0	12.72823
DA98C13274	14/09/98	EL 5061	339451	8558299	DA98C1A3274	56.49667	0	32	0	0	12	0	0	2204	0	10.3645
DA98C13275	14/09/98	EL 5061	339451	8558451	DA98C1A3275	47.23193	0	53	0	0	0	0	0	2204	0	5.136112
DA98C13276	14/09/98	EL 5061	339400	8558449	DA98C1A3276	100	0	0	0	0	0	0	0	2202	0	25.58441
DA98C13277	14/09/98	EL 5061	339350	8558149	DA98C1A3277	100	0	0	0	0	0	0	0	2198	0	14.299
DA98C13278	14/09/98	EL 5061	339301	8558451	DA98C1A3278	82.96139	0	0	17.03861	0	0	0	0	2204	0	10.10742
DA98C13279	14/09/98	EL 5061	339250	8558450	DA98C1A3279	83.07086	17	0	0	0	0	0	0	2202	0	22.59133
DA98C13280	14/09/98	EL 5061	339200	8558450	DA98C1A3280	81.28753	19	0	0	0	0	0	0	2204	2346	19.10485
DA98C13281	14/09/98	EL 5061	339151	8558450	DA98C1A3281	98.57402	0	0	1.425982	0	0	0	0	2204	0	15.54875
DA98C13282	14/09/98	EL 5061	339100	8558450	DA98C1A3282	100	0	0	0	0	0	0	0	2202	0	42.84748
DA98C13283	14/09/98	EL 5061	339050	8558451	DA98C1A3283	100	0	0	0	0	0	0	0	2206	2338	8.86183
DA98C13284	14/09/98	EL 5061	339000	8558451	DA98C1A3284	23.16451	45	0	32.04573	0	0	0	0	2206	0	36.00342
DA98C13285	14/09/98	EL 5061	338949	8558451	DA98C1A3285	100	0	0	0	0	0	0	0	2202	0	38.09997
DA98C13286	14/09/98	EL 5061	338901	8558450	DA98C1A3286	100	0	0	0	0	0	0	0	2204	0	20.05543
DA98C13287	14/09/98	EL 5061	338851	8558451	DA98C1A3287	84.5098	0	0	15.4902	0	0	0	0	2204	0	13.96801
DA98C13288	14/09/98	EL 5061	338800	8558450	DA98C1A3288	100	0	0	0	0	0	0	0	2198	2346	19.02031
DA98C13289	14/09/98	EL 5061	338750	8558449	DA98C1A3289	100	0	0	0	0	0	0	0	2204	0	4.206903
DA98C13290	14/09/98	EL 5061	338751	8558551	DA98C1A3290	100	0	0	0	0	0	0	0	2200	2346	20.43648
DA98C13291	14/09/98	EL 5061	338801	8558550	DA98C1A3291	68.57019	0	0	31.42981	0	0	0	0	2204	0	17.38811
DA98C13292	14/09/98	EL 5061	338850	8558552	DA98C1A3292	100	0	0	0	0	0	0	0	2200	2346	19.99012
DA98C13293	14/09/98	EL 5061	338901	8558550	DA98C1A3293	100	0	0	0	0	0	0	0	2204	0	43.1851
DA98C13294	14/09/98	EL 5061	338951	8558550	DA98C1A3294	59.87163	0	0	40.12837	0	0	0	0	2206	0	25.21904
DA98C13295	14/09/98	EL 5061	338999	8558549	DA98C1A3295	0	0	0	0	0	100	0	0	2204	2346	3.498933
DA98C13296	14/09/98	EL 5061	339051	8558550	DA98C1A3296	100	0	0	0	0	0	0	0	2200	0	26.1576

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13297	14/09/98	EL 5061	339102	8558550	DA98C1A3297	43.62675	0	0	56.37325	0	0	0	0	2206	0	26.83292
DA98C13298	14/09/98	EL 5061	339150	8558550	DA98C1A3298	95.67593	4	0	0	0	0	0	0	2198	0	11.17228
DA98C13299	14/09/98	EL 5061	339200	8558551	DA98C1A3299	84.33172	16	0	0	0	0	0	0	2200	2346	22.18992
DA98C13300	14/09/98	EL 5061	339251	8558550	DA98C1A3300	83.43738	0	0	16.56262	0	0	0	0	2204	0	4.457671
DA98C13301	14/09/98	EL 5061	339300	8558551	DA98C1A3301	71.20789	0	29	0	0	0	0	0	2204	0	17.22507
DA98C13302	14/09/98	EL 5061	339352	8558551	DA98C1A3302	29.5775	0	70	0	0	0	0	0	2204	0	10.07435
DA98C13303	14/09/98	EL 5061	339400	8558550	DA98C1A3303	100	0	0	0	0	0	0	0	2204	0	20.32433
DA98C13304	14/09/98	EL 5061	339451	8558550	DA98C1A3304	32.96926	0	67	0	0	0	0	0	2204	0	19.89731
DA98C13305	16/09/98	EL 5062	307299	8473399	DA98C1A3305	26.59077	0	0	0	73	0	0	0	2206	0	23.94049
DA98C13306	16/09/98	EL 5062	307401	8473400	DA98C1A3306	100	0	0	0	0	0	0	0	2204	0	15.93348
DA98C13308	16/09/98	EL 5062	307600	8473400	DA98C1A3308	58.82716	0	0	41.17284	0	0	0	0	2206	0	8.539745
DA98C13313	16/09/98	EL 5062	308098	8473399	DA98C1A3313	100	0	0	0	0	0	0	0	2206	0	8.736532
DA98C13318	16/09/98	EL 5062	308604	8473399	DA98C1A3318	52.97633	0	0	47.02367	0	0	0	0	2206	0	5.821821
DA98C13322	16/09/98	EL 5062	308502	8473202	DA98C1A3322	3.141685	0	0	69.4341	0	27	0	0	2206	0	15.54683
DA98C13323	16/09/98	EL 5062	308400	8473199	DA98C1A3323	39.57145	0	0	0	60	0	0	0	2208	0	16.44698
DA98C13328	16/09/98	EL 5062	307900	8473199	DA98C1A3328	88.32317	0	0	11.67684	0	0	0	0	2204	2346	9.940153
DA98C13329	16/09/98	EL 5062	307800	8473200	DA98C1A3329	100	0	0	0	0	0	0	0	2208	0	16.17161
DA98C13330	16/09/98	EL 5062	307700	8473200	DA98C1A3330	50.05252	0	0	35.49843	0	14	0	0	2206	0	6.101356
DA98C13331	16/09/98	EL 5062	307600	8473200	DA98C1A3331	100	0	0	0	0	0	0	0	2206	0	9.555109
DA98C13332	16/09/98	EL 5062	307499	8473200	DA98C1A3332	64.97706	0	0	35.02294	0	0	0	0	2206	0	18.37746
DA98C13333	16/09/98	EL 5062	307400	8473199	DA98C1A3333	61.23383	0	0	38.76617	0	0	0	0	2206	0	18.80311
DA98C13335	16/09/98	EL 5062	307300	8472999	DA98C1A3335	100	0	0	0	0	0	0	0	2206	2346	20.59368
DA98C13339	16/09/98	EL 5062	307700	8472998	DA98C1A3339	72.95274	0	0	27.04726	0	0	0	0	2206	0	21.75951
DA98C13341	16/09/98	EL 5062	307902	8472999	DA98C1A3341	92.11024	0	0	0	0	8	0	0	2210	0	15.82526
DA98C13342	16/09/98	EL 5062	308004	8472998	DA98C1A3342	92.11024	0	0	0	0	8	0	0	2210	0	15.82526
DA98C13355	16/09/98	EL 5062	308200	8472800	DA98C1A3355	64.74567	0	0	35.25433	0	0	0	0	2206	0	25.25167
DA98C13358	16/09/98	EL 5062	307900	8472800	DA98C1A3358	69.97237	0	0	30.02763	0	0	0	0	2206	0	26.2026
DA98C13367	16/09/98	EL 5062	307501	8472600	DA98C1A3367	0	0	0	100	0	0	0	0	2206	0	22.26059
DA98C13368	16/09/98	EL 5062	307600	8472599	DA98C1A3368	0	0	0	100	0	0	0	0	2206	0	31.64324
DA98C13369	16/09/98	EL 5062	307700	8472599	DA98C1A3369	100	0	0	0	0	0	0	0	2204	0	13.01424
DA98C13370	16/09/98	EL 5062	307799	8472599	DA98C1A3370	43.85415	0	0	56.14585	0	0	0	0	2208	2334	5.690941
DA98C13372	16/09/98	EL 5062	308000	8472599	DA98C1A3372	100	0	0	0	0	0	0	0	2200	2346	25.15862
DA98C13373	16/09/98	EL 5062	308100	8472599	DA98C1A3373	100	0	0	0	0	0	0	0	2204	0	19.51112
DA98C13374	16/09/98	EL 5062	308203	8472601	DA98C1A3374	100	0	0	0	0	0	0	0	2202	0	20.61699
DA98C13376	16/09/98	EL 5062	308401	8472599	DA98C1A3376	63.57176	0	0	36.42824	0	0	0	0	2206	0	15.04519
DA98C13377	16/09/98	EL 5062	308504	8472601	DA98C1A3377	65.85178	0	0	34.14822	0	0	0	0	2206	0	14.80293
DA98C13380	17/09/98	EL 5062	307300	8472400	DA98C1A3380	71.82771	0	28	0	0	0	0	0	2208	0	3.532324
DA98C13381	17/09/98	EL 5062	307401	8472401	DA98C1A3381	91.64124	0	0	0	0	8	0	0	2210	0	4.953502
DA98C13382	17/09/98	EL 5062	307500	8472400	DA98C1A3382	19.33975	0	0	80.66025	0	0	0	0	2206	0	26.41176
DA98C13383	17/09/98	EL 5062	307601	8472400	DA98C1A3383	100	0	0	0	0	0	0	0	2206	0	3.577586
DA98C13385	17/09/98	EL 5062	307800	8472401	DA98C1A3385	20.9399	0	0	79.0601	0	0	0	0	2206	0	43.58799
DA98C13388	17/09/98	EL 5062	308100	8472401	DA98C1A3388	100	0	0	0	0	0	0	0	2204	0	17.88061
DA98C13389	17/09/98	EL 5062	308200	8472400	DA98C1A3389	100	0	0	0	0	0	0	0	2206	0	25.77312
DA98C13390	17/09/98	EL 5062	308301	8472401	DA98C1A3390	92.55479	0	0	0	0	7	0	0	2208	0	13.82818
DA98C13396	17/09/98	EL 5062	308600	8472200	DA98C1A3396	100	0	0	0	0	0	0	0	2206	0	23.72297
DA98C13402	16/09/98	EL 5062	307500	8473300	DA98C1A3402	100	0	0	0	0	0	0	0	2204	0	26.47513
DA98C13408	16/09/98	EL 5062	308100	8473300	DA98C1A3408	100	0	0	0	0	0	0	0	2206	0	5.685223

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13413	16/09/98	EL 5062	308600	8473300	DA98C1A3413	7.867706	0	0	92.13229	0	0	0	0	2206	0	18.86056
DA98C13416	16/09/98	EL 5062	307400	8473100	DA98C1A3416	100	0	0	0	0	0	0	0	2204	2344	8.083498
DA98C13417	16/09/98	EL 5062	307500	8473100	DA98C1A3417	50.44634	0	0	49.55366	0	0	0	0	2206	0	15.67086
DA98C13418	16/09/98	EL 5062	307600	8473100	DA98C1A3418	100	0	0	0	0	0	0	0	2206	0	23.53238
DA98C13419	16/09/98	EL 5062	307700	8473100	DA98C1A3419	93.02154	0	7	0	0	0	0	0	2206	2344	12.33361
DA98C13420	16/09/98	EL 5062	307800	8473100	DA98C1A3420	78.09122	0	0	21.90878	0	0	0	0	2206	0	26.47581
DA98C13421	16/09/98	EL 5062	307900	8473100	DA98C1A3421	78.09122	0	0	21.90878	0	0	0	0	2206	0	26.47581
DA98C13427	16/09/98	EL 5062	308500	8473100	DA98C1A3427	16.59194	0	0	83.40806	0	0	0	1	2206	2326	2.419326
DA98C13428	16/09/98	EL 5062	308600	8473100	DA98C1A3428	26.24782	0	0	73.75218	0	0	0	0	2206	0	12.30791
DA98C13432	16/09/98	EL 5062	308500	8472900	DA98C1A3432	39.76976	0	0	60.23024	0	0	0	0	2208	0	5.254614
DA98C13437	16/09/98	EL 5062	308000	8472900	DA98C1A3437	89.77729	0	0	10.22271	0	0	0	0	2206	0	19.63343
DA98C13438	16/09/98	EL 5062	307900	8472900	DA98C1A3438	65.48053	0	0	34.51947	0	0	0	0	2206	0	19.6573
DA98C13439	16/09/98	EL 5062	307800	8472900	DA98C1A3439	100	0	0	0	0	0	0	0	2206	0	7.086311
DA98C13440	16/09/98	EL 5062	307700	8472900	DA98C1A3440	85.20435	0	0	0	0	15	0	0	2206	2344	16.57851
DA98C13444	16/09/98	EL 5062	307306	8472906	DA98C1A3444	100	0	0	0	0	0	0	0	2204	0	30.05463
DA98C13446	16/09/98	EL 5062	307400	8472700	DA98C1A3446	100	0	0	0	0	0	0	0	2206	0	32.10286
DA98C13447	16/09/98	EL 5062	307500	8472700	DA98C1A3447	73.72855	0	0	26.27146	0	0	0	0	2204	0	38.57456
DA98C13448	16/09/98	EL 5062	307600	8472700	DA98C1A3448	100	0	0	0	0	0	0	0	2202	0	18.35037
DA98C13449	16/09/98	EL 5062	307700	8472700	DA98C1A3449	53.39025	0	0	46.60975	0	0	0	0	2206	0	10.12843
DA98C13451	16/09/98	EL 5062	307900	8472700	DA98C1A3451	88.67534	0	0	0	0	11	0	0	2204	0	15.95534
DA98C13453	16/09/98	EL 5062	308100	8472700	DA98C1A3453	100	0	0	0	0	0	0	0	2208	0	20.0626
DA98C13454	16/09/98	EL 5062	308200	8472700	DA98C1A3454	100	0	0	0	0	0	0	0	2206	0	26.91768
DA98C13455	16/09/98	EL 5062	308300	8472700	DA98C1A3455	82.23248	0	0	17.76751	0	0	0	0	2206	0	13.90292
DA98C13457	16/09/98	EL 5062	308500	8472700	DA98C1A3457	76.54015	0	0	23.45985	0	0	0	0	2206	0	29.74321
DA98C13460	17/09/98	EL 5062	307300	8472500	DA98C1A3460	3.838959	0	0	96.16104	0	0	0	0	2206	0	13.58611
DA98C13461	17/09/98	EL 5062	307400	8472500	DA98C1A3461	0	0	0	100	0	0	0	0	2206	0	14.78517
DA98C13463	17/09/98	EL 5062	307600	8472500	DA98C1A3463	41.46774	0	0	51.7142	0	7	0	0	2204	0	8.949401
DA98C13464	17/09/98	EL 5062	307700	8472500	DA98C1A3464	16.15388	0	0	83.84612	0	0	0	0	2206	0	5.912905
DA98C13465	17/09/98	EL 5062	307800	8472500	DA98C1A3465	74.04101	0	0	25.95899	0	0	0	0	2206	0	8.91402
DA98C13466	17/09/98	EL 5062	307900	8472500	DA98C1A3466	33.13728	0	0	66.86272	0	0	0	0	2206	0	10.88417
DA98C13467	17/09/98	EL 5062	308000	8472500	DA98C1A3467	100	0	0	0	0	0	0	0	2206	2346	3.120018
DA98C13468	17/09/98	EL 5062	308100	8472500	DA98C1A3468	36.6768	0	0	50.91599	0	12	0	0	2206	0	19.38627
DA98C13469	17/09/98	EL 5062	308200	8472500	DA98C1A3469	100	0	0	0	0	0	0	0	2204	0	22.54365
DA98C13470	17/09/98	EL 5062	308300	8472500	DA98C1A3470	100	0	0	0	0	0	0	0	2204	0	20.8544
DA98C13471	17/09/98	EL 5062	308329.4	8472495.3	DA98C1A3471	49.01557	0	0	50.98443	0	0	0	0	2206	0	23.18019
DA98C13474	17/09/98	EL 5062	308400	8472500	DA98C1A3474	100	0	0	0	0	0	0	0	2204	0	19.8578
DA98C13475	17/09/98	EL 5062	308500	8472500	DA98C1A3475	0	0	0	0	0	0	0	0	2212	2342	3.201031
DA98C13476	17/09/98	EL 5062	308600	8472500	DA98C1A3476	94.439	0	0	0	0	6	0	0	2202	2346	18.14433
DA98C13477	17/09/98	EL 5062	308693	8472495	DA98C1A3477	51.15345	0	0	48.84655	0	0	0	0	2206	0	35.16826
DA98C13478	17/09/98	EL 5062	308700	8472300	DA98C1A3478	100	0	0	0	0	0	0	0	2204	0	20.00165
DA98C13479	17/09/98	EL 5062	308600	8472300	DA98C1A3479	100	0	0	0	0	0	0	0	2204	0	16.14159
DA98C13486	17/09/98	EL 5062	307900	8472300	DA98C1A3486	100	0	0	0	0	0	0	0	2204	0	20.68099
DA98C13490	17/09/98	EL 5062	307500	8472300	DA98C1A3490	41.52126	0	0	58.47874	0	0	0	0	2206	0	18.13472
DA98C13491	17/09/98	EL 5062	307400	8472300	DA98C1A3491	42.20857	0	0	57.79143	0	0	0	0	2206	0	24.33756
DA98C13492	17/09/98	EL 5062	307300	8472300	DA98C1A3492	30.56831	0	0	69.43169	0	0	0	0	2206	0	25.76182
DA98C13493	17/09/98	EL 5062	307300	8472100	DA98C1A3493	44.54057	0	0	55.45943	0	0	0	0	2206	0	28.95755
DA98C13508	17/09/98	EL 5062	307400	8472200	DA98C1A3508	35.80491	0	0	64.19509	0	0	0	0	2206	0	29.36365

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13604	17/09/98	EL 5062	308400	8472100	DA98C1A3604	14.99609	0	0	85.00391	0	0	0	0	2206	0	16.94305
DA98C13605	17/09/98	EL 5062	308500	8472100	DA98C1A3605	100	0	0	0	0	0	0	0	2208	0	18.48967
DA98C13608	17/09/98	EL 5062	307957	8472660	DA98C1A3608	40.47651	0	0	59.52349	0	0	0	0	2206	0	4.823133
DA98C20252	4/08/98	EL 5061	314200	8533530	da98C2A0252	0	100	0	0	0	14	0	0	2198	2350	1.516497
DA98C20674	13/09/98	EL 5061	330712	8508676	DA98C2A0674	35.05947	0	0	0	65	0	0	0	2208	0	31.63119
DA98C21211	31/08/98	EL 5062	307911	8472660	DA98C2A1211	19.76154	0	0	80.23846	0	0	0	0	2206	0	10.12073
DA98C21238	3/09/98	EL 5062	304552	8489763	DA98C2A1238	58.01448	0	0	41.98552	0	0	0	0	2206	0	7.180496
DA98C21306	5/09/98	EL 5061	313131	8527232	DA98C2A1306	0	0	0	100	0	0	0	0	2206	0	52.1715
DA98C21903	22/09/98	EL 5062	305730	8490198	DA98C2A1903	60.22336	0	0	39.77664	0	0	0	0	2206	0	11.37624
DA98C22015	23/08/98	EL 5062	306354	8485664	DA98C2A2015	49.83692	0	0	50.16308	0	0	0	0	2208	0	5.001861
DA98C23608	17/09/98	EL 5062	307957	8472660	DA98C2A3608	47.85916	0	0	52.14084	0	0	0	0	2206	0	9.056905
DA98C30018	17/08/98	EL 5061	330331	8505527	DA98C3A0018	100	0	0	0	0	0	0	0	2198	0	5.464585
DA98C30610	9/09/98	EL 5061	330836	8508654	DA98C3A0610	23.8316	0	0	0	76	0	0	0	2208	0	5.265786
DA98C31211	31/08/98	EL 5062	307911	8472660	DA98C3A1211	56.46162	0	0	43.53838	0	0	0	0	2206	2344	7.414446
DA98C41211	31/08/98	EL 5062	307911	8472660	DA98C4A1211	0.4400635	0	0	99.55994	0	0	0	0	2206	0	19.16979