

Appendix E. SWIR data for samples from mineral analyses

Table E1. Characteristics of SWIR spectra determined by TerraSpec spectrometer and The Spectral Geologist software

Sample #	80JD-94D	81JD-94B	99017A	ANN006001.045	ANN006002.023	G909168
Mineral	Chl	Chl	Chl	Chl	Chl	Chl
Sample Type	TS billet	TS billet	chip	chip	chip	TS billet
ASD Sample#	Yer_00041.asd.sco	Yer_00037.asd.sco	Yer_00002.asd.sco	Yer_00010.asd.sco	Yer_00007.asd.sco	Yer_00032.asd.sco
w2200	2216.99	2210.57	2208.44	2210.16	2204.24	2207.82
hqd2200	0.173	0.17	0.449	0.105	0.0779	0.112
width2200	36.289	37.711	36.125	32.635	32.59	21.156
w2250	2254.61	2252.09	NULL	2250.76	2252.27	2252.25
hqd2250	0.364	0.265	NULL	0.117	0.0966	0.0767
w2350	2343.21	2342.45	2351.59	2342.47	2341.54	2340.72
hqd2350	0.572	0.416	0.268	0.199	0.203	0.188
width2350	42.281	39.414	39.219	39.128	38.609	36.351
hqd1900	0.242	0.184	0.122	0.186	0.116	0.233
Sample #	ANN007006.017	ANN007006.057	G909158	G909165	G909166	YD01-01C
Mineral	Chl	Chl	Chl	Chl	Chl	Chl
Sample Type	chip	chip	chip	chip	chip	TS billet
ASD Sample#	Yer_00015.asd.sco	ANN007006.057	YER.027	YER.035	Yer_00027.asd.sco	Yer_00039.asd.sco
w2200	2209.18	2203.08	2206.11	2206.04	2212.99	2212.39
hqd2200	0.196	0.272	0.16	0.317	0.0817	0.26
width2200	27.875	33.818	21.455	35.151	34.603	35.68
w2250	NULL	2242.87	2249.97	2249.44	2248.59	2248.15
hqd2250	NULL	0.124	0.0903	0.288	0.0577	0.208
w2350	2345.28	2345.17	2339.21	2346.25	2342.86	2344.59
hqd2350	0.113	0.212	0.242	0.311	0.144	0.273
width2350	37.159	39.324	38.631	38.686	38.379	39.447
hqd1900	0.18	0.173	0.273	0.0922	0.0859	0.175

Table E1. Characteristics of SWIR spectra determined by TerraSpec spectrometer and The Spectral Geologist software (continued)

Sample #	G909172	G909174	H437269	H437289	YD09-04	YTD 23 2008
Mineral	Chl	Chl	Chl	Chl	Chl	Chl
Sample Type	TS billet	TS billet	TS billet	chip	chip	chip
ASD Sample#	Yer_00045.asd.sco	Yer_00052.asd.sco	Yer_00043.asd.sco	YER.003	Yer_00055.asd.sco	Yer_00058.asd.sco
w2200	2206.04	2200.39	2208.73	2223.08	2207.79	2207.53
hqd2200	0.0355	0.0386	0.164	0.0701	0.238	0.185
width2200	27.001	26.626	17.462	28.569	27.04	25.485
w2250	2250.47	2254.65	2252.98	2251.28	2246.66	2249.26
hqd2250	0.0126	0.101	0.214	0.0863	0.0633	0.109
w2350	2319.02	2338.96	2342.86	2344.41	2342.8	2347
hqd2350	0.0997	0.298	0.218	0.104	0.181	0.119
width2350	41.271	41.276	40.126	37.056	38.024	36.201
hqd1900	0.168	0.198	0.392	0.0404	0.371	0.187
Sample #	YD01-04	YD01-13A	YD01-30C	YD08-22	ANN006002.018	ANN007006.017
Mineral	Chl	Chl	Chl	Chl	Musc	Musc
Sample Type	TS billet	chip	chip (vn zone)	chip	chip	chip
ASD Sample#	Yer_00034.asd.sco	YER.010	YER.012	YER.054	ANN006002.018	Yer_00015.asd.sco
w2200	NULL	2199.03	2206.55	2215.23	2204.21	2209.18
hqd2200	NULL	0.186	0.0269	0.202	0.387	0.196
width2200	NULL	29.121	28.865	33.69	33.577	27.875
w2250	2253.78	2255.55	2250.45	2243.77	NULL	NULL
hqd2250	0.257	0.203	0.07	0.127	NULL	NULL
w2350	2339.13	2349.24	2341.56	2350.34	2345.9	2345.28
hqd2350	0.398	0.209	0.0991	0.181	0.271	0.113
width2350	38.502	38.132	32.01	37.627	39.436	37.159
hqd1900	0.168	0.0647	0.105	0.0471	0.0497	0.18

Table E1. Characteristics of SWIR spectra determined by TerraSpec spectrometer and The Spectral Geologist software (continued)

Sample #	99017A	G909153	G909155	G909155_spot1	G909155_spot2	G909157
Mineral	Musc	Musc	Musc	Musc	Musc	Musc
Sample Type	chip	TS billet	chip	TS billet	TS billet	TS billet
ASD Sample#	Yer_00002.asd.sco	Yer_00067.asd.sco	YER.024	Yer_00071.asd.sco	Yer_00072.asd.sco	Yer_00018.asd.sco
w2200	2208.44	2207.22	2201.75	2203.72	2206.51	2207.69
hqd2200	0.449	0.439	0.331	0.467	0.32	0.322
width2200	36.125	35.412	32.202	33.325	32.398	27.188
w2250	NULL	NULL	NULL	NULL	NULL	NULL
hqd2250	NULL	NULL	NULL	NULL	NULL	NULL
w2350	2351.59	2349.36	2346.32	2349.47	2349.53	2352.19
hqd2350	0.268	0.252	0.175	0.279	0.16	0.0673
width2350	39.219	39.845	40.243	39.906	38.796	38.753
hqd1900	0.122	0.236	0.195	0.198	0.232	0.331
Sample #	G909152	G909154	G909173_spot1	G909173_spot2	G909173_spot3	G909176
Mineral	Musc	Musc	Musc	Musc	Musc	Musc
Sample Type	TS billet	TS billet	TS billet	TS billet	TS billet	TS billet
ASD Sample#	Yer_00065.asd.sco	Yer_00069.asd.sco	Yer_00047.asd.sco	Yer_00049.asd.sco	Yer_00048.asd.sco	Yer_00060.asd.sco
w2200	2204.28	2204.46	2204.2	2207.78	2209.77	2207.78
hqd2200	0.497	0.251	0.481	0.387	0.399	0.341
width2200	33.554	32.691	34.722	35.267	35.537	31.615
w2250	NULL	NULL	NULL	NULL	NULL	NULL
hqd2250	NULL	NULL	NULL	NULL	NULL	NULL
w2350	2348.85	2348.07	2348.13	2348.83	2350.04	2349.6
hqd2350	0.302	0.0876	0.329	0.223	0.236	0.144
width2350	40.619	33.526	40.433	36.685	37.238	37.47
hqd1900	0.228	0.159	0.266	0.247	0.19	0.358

Table E1. Characteristics of SWIR spectra determined by TerraSpec spectrometer and The Spectral Geologist software (continued)

Sample #	G909160	G909163	G909173	YD08-21	YD09-06	H437199	H437113
Mineral	Musc	Musc	Musc	Musc	Musc	Pa	Pyr
Sample Type	TS billet	TS billet	chip	chip	chip	chip	chip
ASD Sample#	Yer_00063.asd.sco	Yer_00021.asd.sco	YER.044	YER.049	Yer_00053.asd.sco	H437199	H437113
w2200	2204.97	2208.68	2206.5	2196.39	2202.11	2187.78	NULL
hqd2200	0.484	0.235	0.332	0.482	0.471	0.531	NULL
width2200	33.313	26.669	27.497	33.622	33.117	29.132	NULL
w2250	NULL	NULL	NULL	NULL	NULL	NULL	NULL
hqd2250	NULL	NULL	NULL	NULL	NULL	NULL	NULL
w2350	2349.13	2350.95	2348	2344.61	2348.3	2337.69	2317.89
hqd2350	0.284	0.0559	0.0914	0.263	0.266	0.228	0.242
width2350	39.254	34.527	36.162	40.869	39.448	45.328	31.391
hqd1900	0.167	0.325	0.413	0.215	0.1	0.19	0.0604
Sample #	YD02-02	YD08-19C	G909158	YD01-13A	YD08-22		
Mineral	Musc	Musc	Musc	Musc	Musc		
Sample Type	chip	chip	chip	chip	chip		
ASD Sample#	YER.057	YER.048	YER.027	YER.010	YER.054		
w2200	2190.94	2193.2	2206.11	2199.03	2215.23		
hqd2200	0.658	0.488	0.16	0.186	0.202		
width2200	33.553	31.866	21.455	29.121	33.69		
w2250	NULL	NULL	2249.97	2255.55	2243.77		
hqd2250	NULL	NULL	0.0903	0.203	0.127		
w2350	2339.97	2342.38	2339.21	2349.24	2350.34		
hqd2350	0.358	0.245	0.242	0.209	0.181		
width2350	44.849	42.346	38.631	38.132	37.627		
hqd1900	0.189	0.0169	0.273	0.0647	0.0471		