

pg 1/3

**XRF Exp** 396

stds

**Site** ~~D565~~

**Hole** X

**Date** 15 Aug 21

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1	JP-1	std	-	1629	JLR	✓	Geochem mode
2	BE-N	std	-	1631	JLR	✓	"
3	BIR-1	std	-	1633	JLR	✓	"
4	BHVO-2	std	-	1634	JLR	✓	"
5	BUR-2	std	-	1636	JLR	✓	"
6	JB-2	std	-	1638	JLR	✓	"
7	DTS-1	std	-	1640	JLR	✓	"
8	MFG-1	std	-	1642	JLR	✓	"
9	AGV-1	std	-	1644	JLR	✓	"
10	JG-1a	std	-	1646	JLR	✓	"
11	JA-2	std	-	1648	JLR	✓	"
12	JR-1	std	-	1650	JLR	✓	"

<p> <u>PS213</u> XRF Exp <u>3910</u> Date <u>15 Aug 21</u> </p> <p> Site <u>SPS</u> Hole _____ </p>							
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
13	LKSD-1	std	-	1652	JLR	✓	Geohem mode
14	JP-1	std	-	1653	JLR	✓	Soil "
15	<del>JP-1</del> BE-1	std	-	1655	JLR	✓	Soil mode
16	BE-N	std	-	1658	JLR	✓	"
17	BIR-1	std	-	1703	JLR	✓	"
18	BHVO-2	std	-	1705	JLR	✓	"
19	BCR-2	std	-	1708	JLR	✓	"
20	JB-2	std	-	1710	JLR	✓	"
21	STS-1	std	-	1712	JLR	✓	"
22	MRC-1	std	-	1715	JLR	✓	"
23	AGV-1	std	-	1834	JLR	✓	"
24	JG-1a	std	-	1840	JLR	✓	"

XRF Exp 396

Site Stds Hole \_\_\_\_\_ Date 15 Aug 21

[illegible]

45  
13

XRF Exp 396

Site 11565

Hole A

Date 16 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
28	2R1	nodule/garden	76	12:57	S.L		nodule (section half)
29	"	"	"	"	"		Rep. 2
30	"	"	"	"	"		Rep. 3
31	2R1	nodule/soil	76	13:04	S.L		nodule in soil mode
32	"	"	"	"	"		Rep. 2
33	4R1						
28	4R1	S/H	26	13:31	S.L	✓	δ/buried (poor contact?)
29	"	"	"	13:32	"	✓	Rep. 2
30	"	"	"	13:33	"	✓	Rep. 3
31	4R1	S/H	85	13:36	S.L	✓	δ/buried
32	"	S/H	85	13:38	S.L	✓	" — Rep. 2
33	"	"	85	13:39	S.L	✓	" — Rep. 3



XRF Exp 396

Site US63A Hole A Date Aug 16

Run #	Core/Section	Measurement Type (S/H, Powder, Bead?)	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
34	4R1	S/H	55	13:42	SL		8/basement
35	"	"	55	13:43	SL	✓	4 Rep 2
36	"	"	55	13:44	SL	✓	4 Rep 3
37	2R1	S/H/bullets	76			✓	node
38	"	"	76			✓	4 Rep 2
39	"	"	76			✓	4 Rep 3
40	LKSD-4	powder standard	NA			✓	Standard
41	"	"		14:03	SL	✓	4 Rep 2
42	BHVO-2	powder std	NA	14:06	SL	✓	standard
43	"	"	NA	14:07	SL	✓	4 Rep 2
44	NODA-1	powder std	NA	14:10	SL	✓	standard
45	"	"		14:11	SL	✓	4 Rep 2
46	"	"		14:13	SL	✓	4 Rep 3

**XRF Exp** Exp 3956

Site 01565 Hole A Date Aug 16

[illegible]

<div> <div>4303</div> <div> XRF Exp <u>336</u> </div> <div> Site <u>11566</u> </div> <div> Hole <u>A</u> </div> <div> Date <u>14 Aug 2021</u> </div> </div>									
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments		
51	4R/1A	stds powder	NA	22:54	Lambert	✓	B4V6-2		
52	"	"	"	22:55	"	✓	↳ Rep 2		
53	4R/1A	S/H	12	23:00	Lambert	✓	aphis basalt		
54	"	S/H	12	23:01		✓	↳ Rep 2		
55	"	S/H	12	23:03		✓	↳ Rep 3		
56	4R/1A	S/H	48	23:05	Lambert	✓	picrite (altered)		
57	4R/1A	S/H	48	23:07		✓	↳ Rep 2		
58	4R/1A	S/H	48	23:08		✓	↳ Rep 3		
59	4R/1A	S/H	71	23:15	Lambert	✓	picrite		
60	"	"	"	23:17	"	✓	↳ Rep 2		
61	"	"	"	23:18	"	✓	↳ Rep 3		
62	4R/2A	S/H	20	23:23	"	✓	carbonated picrite		
63	"	"	"	23:24	"	✓	↳ Rep 2		

213 pg		XRF Exp 306		Site 1566		Hole A		Date 17 Aug	
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments		
64	4R/2A	S/H	20	23:25	Lambert	✓	↳ Rep 3		
65	4R/2A	S/H	78	23:29	Lambert	✓	vericular B		
66	—" —	—" —	—" —	23:30	—" —	✓	↳ Rep 2		
67	—" —	—" —	—" —	23:31	—" —	✓	↳ Rep 3		
68	4R/2A	—" —	130	23:35	Lambert	✓	vericular B		
69	—" —	—" —	130	23:36	—" —	✓	↳ Rep 2		
70	—" —	—" —	130	23:37	—" —	✓	↳ Rep 3		
71	5R/1A	stds powder	NA	23:44	Lambert	✓	BHVO-2		
72	5R/1A	S/H	25	23:46	Lambert	✓	aphire B		
73	—" —	—" —	25	23:47	—" —	✓	↳ Rep 2		
74	—" —	—" —	—" —	23:48	—" —	✓	↳ Rep 3		
75	5R/1A	S/H	106	23:50	Lambert	✓	vericular B		
76	—" —	—" —	106	23:52	Lambert	✓	↳ Rep 2		

\* Note. No #78. JS

XRF Exp 386									
Site 1566			Hole A			Date Aug 17-18			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments		
77	5R/1A	S/H	106	23:53	Lambert	✓	6 Rep 3		
78	5R/1A	S/H	147	27:56	Lambert	✓	chilled margin		
79	"	"	147	23:57	Lambert	✓	6 Rep 2		
80	"	"	"	23:58	"	✓	6 Rep 3		
81	"	"	"	00:08	Lambert	✓	sandstone red (Aug 18th)		
82	5R/12A	S/H	6	00:09	"	✓	6 Rep 2		
83	"	"	6	00:10	"	✓	6 Rep 3		
84	"	"	6	00:13	Lambert	✓	vesicular B		
85	5R/12A	S/H	105	00:14	"	✓	6 Rep 2		
86	"	"	"	00:15	"	✓	6 Rep 3		
87	"	"	"	00:18	"	✓	amorphoidal B		
88	5R/12A	S/H	139	00:19	"	✓	6 Rep 2		
89	"	S/H	"	00:20	"	✓	6 Rep 3		
90	"	"	"						

Site 0566 Hole A Date Aug 18[illegible]

XRF Exp <u>396</u>							
Site <u>1566 A</u> Hole <u>A</u> Date <u>Aug 19</u>							
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
92		Standard powder			WX	✓	BHVO-2
93	GR2	S/H	39	07:20	WX	✓	rep 1
94	"	"	"	7:22	"	✓	Rep 2
95	"	"	"	7:24	"	✓	Rep 3
96	7R2	S/H	66	7:30	"	✓	Rep 1
97	"	"	1	7:32	"	✓	Rep 2
98	"	"	"	7:33	"	✓	Rep 3
99	8R1	S/H	37	7:39	"	✓	Rep 1
100	"	"	"	7:41	"	✓	Rep 2
101	"	"	"	7:42	"	✓	Rep 3
102	9R2	S/H	42	7:47	"	✓	Rep 1
103	"	"	"	7:49	"	✓	Rep 2

XRF Exp 396Site 1566AHole ADate Aug 19

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
104	9R 2	S/H	42	7:50	WX	✓	Rep 3
105	10R 2	S/H	37	8:26	WX	✓	Rep 1
106	"	"	"	8:28	"	✓	Rep 2
107	"	"	"	8:29	"	✓	Rep 3
108	11R 2	S/H	37	8:35	"	✓	Rep 1
109	"	"	"	8:36	"	✓	Rep 2
110	"	"	"	8:38	"	✓	Rep 3
111	12R 2	S/H	98	8:42	"	✓	Rep 1
112	12R 2	"	"	8:43	"	✓	Rep 2
113	"	"	"	8:45	"	✓	Rep 3
114		standard powder		8:50	"	✓	BHVO-2



XRF Exp 326

Site 1566 Hole A Date Aug 30<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
115	<del>13R/1A</del> BHV6-2	std powder	—	14:15	Lambert	✓	BHV6-2
116	BHV6-2	— " —		14:16	— " —	✓	↳ Rep 2
117	13R/1A	S/H	16	14:19	Lambert	✓	massive B
118	— " —	S/H	— " —	14:20	— " —	✓	↳ Rep 2
119	— " —	— " —	— " —	14:21	— " —	✓	↳ Rep 3
120	13R/1A	— " —	<del>100</del>	14:24	Lambert	✓	vesicular B
121	— " —	— " —	100	14:25	— " —	✓	↳ Rep 2
122	— " —	— " —	100	14:26	— " —	✓	↳ Rep 3
123	13R/2A	S/H	24	14:30	Lambert	✓	basalt
124	— " —	S/H	24	14:31	— " —	✓	↳ Rep 2
125	— " —	S/H	24	14:32	— " —	✓	↳ Rep 3
126	13R/2A	S/H	93	14:35	Lambert	✓	flow texture

XRF Exp 30%Site 1566Hole ADate Aug 20

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
127	13R-2A	SH	93	14:36	Lambert	✓	Lo Rep 2
128	"	"	93	14:37	"	✓	Lo Rep 3
129	13R-3A	SH	123	14:45	Lambert	✓	Vericore R.
130	13R3A	SH	123	14:46	Lambert	✓	Lo Rep 2
131	"	"	123	14:48	"	✓	Lo Rep 3
132	13R4A	"	30	14:51	Lambert	✓	Chilled margin
133	"	"	30	14:53	"	✓	Lo Rep 2
134	"	"	30	14:54	"	✓	Lo Rep 3
135	14R1	"	68	14:59	Lambert	✓	basalt
136	"	"	48	15:00	"	✓	Lo Rep 2
137	"	"	48	15:01	"	✓	Lo Rep 3
138	BHVO-2	std powder	—	15:03	Lambert	✓	standard.

XRF Exp 396

Site 1526 Hole A Date Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
139	14 R1	SH	131	15:06	Lambert	✓	naïve B
140	"	"	131	15:07	"	✓	↳ Rep 2
141	"	"	131	15:08	"	✓	↳ Rep 3
142	14 R2	SH	12	15:17	Lambert	✓	naïve B
143	"	"	12	15:18	"	✓	↳ Rep 2
144	"	"	12	15:20	"	✓	↳ Rep 3
145	14 R2	SH	72	15:22	Lambert	✓	verified B.
146	14 R2	SH	72	15:23	Lambert	✓	↳ Rep 2
147	"	"	72	15:24	Lambert	✓	↳ Rep 3
148	15 R1	SH	31	15:28	Lambert	✓	Chilled matrix
149	"	"	31	15:30	"	✓	↳ Rep 2
150	"	"	31	15:31	"	✓	↳ Rep 3

XRF Exp 396Site 1566 Hole 4 Date Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
151	15 R1	5#	112	15:33	Cambach		massive B
152	—	—	112	15:34	Cambach	✓	Lo Rep 2
153	—	—	112	15:35	—	✓	Lo Rep 3
154	15 R2	SH	61	15:40	Cambach	✓	vesicular B
155	15 R2	—	61	15:41	—	✓	Lo Rep 2
156	—	—	61	15:43	—	✓	Lo Rep 3
157	15 R2	—	90	15:44	Cambach	✓	vesicular B
158	—	—	90	15:45	—	✓	Lo Rep 2
159	—	—	90	15:49	—	✓	Lo Rep 3
160	16 R1	—	41	15:52	Cambach	✓	vesicular B
161	—	—	41	15:54	—	✓	Lo Rep 2
162	—	—	41	15:55	—	✓	Lo Rep 3
163	BH00-2	std powder	—	15:57	Cambach	✓	Standard.

XRF Exp 396

Site 1566

Hole A

Date

Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)? SH	Offset (SHLF Only) 88	Time (UTC) 15:59	Operator Lambert	Exported? ✓	Comments massive B
164	16 R1	— " —	88	16:00	— " —	✓	40 Rep 2
165	— " —	— " —	88	16:01	Lambert	✓	40 Rep 3
166	— " —	— " —	10	16:06	Lambert	✓	lava flow
167	16 R2	— " —	10	16:07	— " —	✓	40 Rep 2
168	— " —	— " —	10	16:08	— " —	✓	40 Rep 3
169	— " —	— " —	105	16:10	Lambert	✓	lava flow
170	16 R2	— " —	105	16:12	— " —	✓	40 Rep 2
171	— " —	— " —	105	16:13	— " —	✓	40 Rep 3
172	— " —	— " —	120	16:17	Lambert	✓	vesicular B
173	16 R3	— " —	120	16:19	Lambert	✓	40 Rep 2
174	— " —	— " —	120	16:20	Lambert	✓	40 Rep 3
175	— " —	— " —	18	16:24	Lambert	✓	basalt
176	16 R4	— " —					

XRF Exp 396

Site 1566

Hole A

Date

Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)? SH	Offset (SHLF Only) 18	Time (UTC)	Operator	Exported?	Comments
177	16 R4			16:25	Lambert		Lo Rep 2
178	—	—	18	16:26	—	✓	Lo Rep 3
179	17 R1	—	30	16:34	Lambert	✓	basalt
180	—	—	30	16:35	Lambert	✓	Lo Rep 2
181	—	—	30	16:36	—	✓	Lo Rep 3
182	17 R1	—	114	16:38	Lambert	✓	Flow texture
183	—	—	114	16:40	—	✓	Lo Rep 2
184	—	—	114	16:41	—	✓	Lo Rep 3
185	17-R2	S/H	64	16:45	Lambert	✓	altered B
186	—	—	64	16:46	—	✓	Lo Rep 2
187	—	—	64	16:47	—	✓	Lo Rep 3
188	B4UO-2	powder / SH	—	16:49	Lambert	✓	B4UO-2 / standard
189	17 R3	SH	122	16:52	Lambert	✓	basalt

XRF Exp 396

Site 1566 Hole A Date Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
190	17 R3	SH	172	16:53	Lambert	✓	Lo Rep 2
191	—"	—"	122	16:54	—"	✓	Lo Rep 3
192	17 R4	SH	6	16:58	Lambert	✓	basalt
193	—"	SH	6	16:59	—"	✓	Lo Rep 2
194	—"	—"	6	17:00	—"	✓	Lo Rep 3
195	17 R4	SH	74	17:03	Lambert	✓	basalt
196	—"	—"	74	17:04	—"	✓	Lo Rep 2
197	—"	—"	74	17:05	Lambert	✓	Lo Rep 3
198	18 R1	—"	34	17:09	Lambert	✓	basalt
199	—"	—"	34	17:10	—"	✓	Lo Rep 2
200	—"	—"	34	17:11	—"	✓	Lo Rep 3
201	18 R1	SH	90	17:13	Lambert	✓	basalt
202	—"	—"	90	17:14	—"	✓	Lo Rep 2

XRF Exp 396

Site 1566

Hole A

Date Aug 20<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
203	18 R1	SH	90	17:16	Lambert	✓	Lo Rep 3
204	18 R2	SH	88	17:21	Lambert	✓	affected basalt
205	—"	—"	88	17:22	Lambert	✓	Lo Rep 2
206	—"	—"	88	17:23		✓	Lo Rep 3
207	18 R3	SH	28	17:27	↓	✓	basalt
208	18 R3	SH	28	17:28		✓	Lo Rep 2
209	—"	SH	28	17:29		✓	Lo Rep 3
210	18 R3	SH	111	17:31	↓	✓	basalt
211	—"	SH	111	17:32		✓	Lo Rep 2
212	—"	SH	111	17:33		✓	Lo Rep 3
213	18 R4	SH	28	17:37		✓	vesicular B
214	—"	—"	28	17:38		✓	Lo Rep 2
215	—"	—"	28	17:40		✓	Lo Rep 3
216	BHVO-2	powder std	✓	17:41	↓		BHVO-2 standard



XRF Exp <u>356</u> Date <u>Aug 21<sup>st</sup></u>							
Site <u>U1566</u> Hole <u>A</u>							
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
217	BHVO-2	std powder	/	12:38	Lambert	✓	Standard
218	19R2	SH	23	12:42	}	}	basalt
219	19R2	"	"	12:43			↳ Rep 2
220	"	"	"	12:45			↳ Rep 3
221	19R2	SH	88	12:47			flaw texture
222	"	SH	"	12:48			↳ Rep 2
223	"	SH	"	12:49			↳ Rep 3
224	19R1	SH	104	12:55			oxidized flow
225	"	SH	104	12:56	}	}	↳ Rep 2
226	"	SH	104	12:57			↳ Rep 3
227	19R3	SH	115	13:01			vertical β
228	19R3	SH	115	13:03			↳ Rep 2

XRF Exp 396Site U1566Hole ADate Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
<del>228</del>	13 R3	SH	115	13:04	Cambak	✓	4 Rep 3
<del>229</del>	<del>19 R3</del>	<del>SH</del>	<del>57</del>				<del>basalt</del>
230	13 R3	SH	57	13:06		✓	basalt
231	—	SH	57	13:09		✓	4 Rep 2
232	—	SH	57	13:10		✓	4 Rep 3
233	20 R1	SH	38	13:13		✓	vericular B
234	—	SH	38	13:15		✓	4 Rep 2
235	—	SH	38	13:16		✓	4 Rep 3
236	20 R1	SH	132	13:18		✓	massive B
237	—	—	—	13:19		✓	4 Rep 2
238	—	—	—	13:20		✓	4 Rep 3
239	BHVo-2	std powder	—	13:21		✓	standard
240	20 R2	1/H	39	14:20	✓	✓	basalt

# XRF Exp Epx 3dx

Site 1566 Hole A Date 21 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only) 3d	Time (UTC)	Operator	Exported?	Comments
241	20 R2	SH	3d	14:22	Cambridge	✓	40 Rep 2
242	— " —	SH	3d	14:23		✓	40 Rep 3
243	20 R2	SH	130	14:26			basalt
244	— " —	SH	130	14:27			40 Rep 2
245	— " —	SH	130	14:28			40 Rep 3
246	20 R3	SH	7	14:32			basalt
247	— " —	SH	7	14:33			40 Rep 2
248	— " —	SH	7	14:34			40 Rep 3
249	20 R3	SH	<del>67</del>	14:36			flow texture
250	20 R3	SH	67	14:37			40 Rep 2
251	20 R3	— " —	67	14:38			40 Rep 3
252	21 R1	SH	54	14:43			basalt
253	— " —	SH	54	14:44		✓	40 Rep 2

XRF Exp 396Site 1566Hole ADate 21 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only) 54	Time (UTC)	Operator	Exported?	Comments
254	21 R1	SH	61	14:45	Lambert	✓	40 Rep 3
255	21 R2	SH	61	14:48			basalt
256	"	"	"	14:50			40 Rep 2
257	"	"	"	14:51			40 Rep 3
258	21 R3	SH	58	14:54			basalt
259	"	"	58	14:55			40 Rep 2
260	"	"	58	14:56			40 Rep 3
261	21 R3	"	124.5	14:59			altered basalt
262	"	"	124.5	15:00			40 Rep 2
263	"	"	124.5	15:01			40 Rep 3
264	22 R1	"	124	15:44			vesicular β
265	"	"	124	15:45			40 Rep 2
266	"	"	124	15:46	✓	✓	40 Rep 3

XRF Exp 396

Site 1566

Hole A

Date

Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
267	22-R2	SH	8	15:50	Lambert	✓	massive β
268	"	SH	8	15:51			↳ Rep 2
269	"	SH	8	15:52			↳ Rep 3
270	22-R2	SH	87	15:58			flow texture
271	"	"	87	15:58			↳ Rep 2
272	"	"	87	15:59			↳ Rep 3
273	BHVO-2	std powder	/	16:01			Standard
274	22-R3	SH	139	16:03			Basalt
275	22-R3	SH	139	16:05			↳ Rep 2
276	22-R3	"	139	16:06			↳ Rep 3
277	23-R1	"	67	16:10			basalt
278	23-R1	"	67	16:11			↳ Rep 2
279	23-R1	"	67	16:12	✓	✓	↳ Rep 3

XRF Exp 396Site 1566Hole ADate Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
280	24-R1	S H	8	16:15	Lambert	✓	basalt
281	"	"	8	16:17			↳ Rep 2
282	"	"	8	16:18			↳ Rep 3
283	24-R1	"	146	16:20			basalt (new flow)
284	"	"	146	16:21			↳ Rep 2
285	"	"	146	16:22			↳ Rep 3
286	24-R2	"	26	16:26			basalt
287	"	"	26	16:29			↳ Rep 2
288	"	"	26	16:30			↳ Rep 3
289	25-R2	"	20	16:33			basalt
290	"	"	20	16:35			↳ Rep 2
291	"	"	20	16:36			↳ Rep 3
292	25-R2	"	123	16:37		✓	basalt

XRF Exp 386

Site 1566

Hole A

Date 21 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
293	25-R2	SH	123	16:33	Lambert	✓	Lo Rep 2
294	25-R2	"	123	16:40			Lo Rep 3
295	25-R2	"	36	16:42			Granite (a Pleased)
296	"	"	36	16:43			Lo Rep 1
297	"	"	36	16:44			Lo Rep 3
298	25-R3	"	25	16:47	Lambert		basalt
299	"	SH	25	16:48			Lo Rep 2
300	"	SH	25	16:50			Lo Rep 3
301	BHVO-2	std powder	—	16:51			Standard.
302	26R1	SH	145	16:54			vermicular 13
303	"	"	145	16:55			Lo Rep 2
304	"	"	145	16:57		✓	Lo Rep 3

XRF Exp 336

Site 1566 Hole A Date Aug 21

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
305	26-R1	SH	94	16:58	Lambert	✓	vesicular β
306	26-R1	"	94	16:59			↳ Rep 2
307	"	"	94	17:01			↳ Rep 3
308	26-R1	SH	36	17:02			sed. x
309	"	"	36	17:04			↳ Rep 2
310	"	SH	36	17:05			↳ Rep 3
311	26-R2	SH	49	17:08			vesicular β
312	"	"	49	17:09			↳ Rep 2
313	"	"	49	17:11			↳ Rep 3
314	26-R2	"	141	17:12			sed x fine
315	"	"	141	17:13			↳ Rep 2
316	"	"	141	17:15			↳ Rep 3
317	26-R3	"	81	17:18	✓	✓	vesicular β



XRF Exp 38Site 156CHole ADate Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
318	26-R3	SH	81	17:19	Lambert	✓	↳ Rep 2
319	26-R3	SH	81	17:20			↳ Rep 3
320	27-R1	SH	32	17:24			Vesicular B
321	—"	SH	32	17:25			↳ Rep 2
322	—"	—"	32	17:26			↳ Rep 3
323	27-R2	—"	75	17:30			basalt
324	—"	—"	75	17:32			↳ Rep 2
325	—"	—"	75	17:33			↳ Rep 3
326	27-R3	—"	81	18:10			basalt
327	—"	SH	81	18:12			↳ Rep 2
328	—"	SH	81	18:13			↳ Rep 3
329	27-R3	SH	112	18:15			basalt
330	—"	SH	112	18:16	✓	✓	↳ Rep 1

XRF Exp 326Site 1566Hole ADate Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
331	27-R3	SH	112	18:18	Carbutt	✓	Lo Rep 3
332	34UO-2	std powder	—	18:19	—	—	Standard
333	25-R1	SH	81	18:21	—	—	basalt
334	—	SH	81	18:23	—	—	Lo Rep 2
335	—	SH	81	18:24	—	—	Lo Rep 3
336	27-R4	SH	21	18:27	—	—	basalt
337	—	SH	21	18:28	—	—	Lo Rep 2
338	—	SH	21	18:30	—	—	Lo Rep 3
339	28-R1	SH	15	18:33	—	—	basalt
340	—	SH	15	18:34	—	—	Lo Rep 2
<del>341</del>	—	SH	15	18:35	—	—	Lo Rep 3
341	28 R1	SH	91	18:37	—	—	basalt
342	—	SH	91	18:40	—	✓	Lo Rep 2

340

PS: \* There are two 340 and no 343

XRF Exp 396

Site 1566 Hole A Date 21 Aug 08

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
344	28-R1	SH	51	18:42	Lambert	✓	4 Rep 3
345	28-R1	SH	136	18:43			sed & coarse
346	—"	SH	136	18:45			4 Rep 2
347	—"	SH	136	18:46			4 Rep 3
348	28-R2	SH	73	18:48			vesicular B
349	—"	SH	73	18:50			4 Rep 2
350	—"	SH	73	18:52			4 Rep 3
351	28-R3	SH	57	18:55			matrix B
352	—"	SH	57	18:56			4 Rep 2
353	—"	SH	57	18:57			4 Rep 3
354	28-R1	SH	4	19:00			1st basalt
355	—"	SH	4	19:02			4 Rep 2
356	—"	SH	4	19:03		✓	4 Rep 3

+ Please delete samples 363 and 364 and 365

XRF Exp 396

Site 1566 Hole A Date Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
357	29-R1	SH	22	19:05	Lambert	✓	Transition zone
358	"	SH	22	19:06			↳ Rep 2
359	"	SH	22	19:07			↳ Rep 3
360	29-R1	SH	124	19:08			Granite
<del>361</del>	"	SH	124	19:06			↳ Rep 2
<del>362</del>	"	"	124	19:12			↳ Rep 3
363	29-R1	"	136	19:16		Not updated	Fresh
364	"	"	136	19:17		Not updated	↳ Rep 2
365	"	"	136	19:19		Not updated	↳ Rep 3
366	29-R2	"	136	19:20			Fresh
367	29-R2	"	136	19:22			↳ Rep 2
368	"	"	136	19:23			↳ Rep 3
					✓	✓	

360  
361

please  
delete

\* They are two 360 and no 362 → 365

(Sorry for the mess)

XRF Exp 396

Site 1566 Hole A Date Aug 21<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
369	30-R1	SH	63	19:26	Lambert	✓	Granite
370	— " —	SH	63	19:27			↳ Rep 2
371	— " —	SH	63	19:28			↳ Rep 3
372	BHUB-2	std powder	—	19:29			Standard
373	31 R1	SH	109	19:33			Granite
374	— " —	SH	109	19:34			↳ Rep 2
375	— " —	SH	109	19:35			↳ Rep 3
376	32-R1	SH	3	19:39			piece of B
377	— " —	SH	3	19:40			↳ Rep 2
378	— " —	SH	3	19:42			↳ Rep 3
379	32-R1	SH	33	19:44			Granite
380	32-R1	SH	33	19:45			↳ Rep 2
381	— " —	SH	33	19:46		✓	↳ Rep 3

378

**XRF Exp** 396

Site 1566 Hole A Date Aug 21<sup>st</sup>

[illegible]

XRF Exp 336Site 1567 Hole A Date 22 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
385	FR1	SH	61	22:45	Lambert	✓	Black sand
386	"	"	62	22:48			Lo Rep 2
387	"	"	63	22:49			Lo Rep 3
388	FR1	"	45	22:54			black nodule
389	"	"	45	22:55			Lo Rep 2
390	"	"	45	22:56			Lo Rep 3
391	FR1	"	11	22:59			basaltic sediment?
392	"	SH	11	23:02			Lo Rep 2
393	"	SH	11	23:03			Lo Rep 3
395	GRCC	SH	3	23:13			Green ash?
396	GRCC	SH	3	23:14			Lo Rep 2
397	GRCC	SH	3	23:15	✓	✓	Lo Rep 3

NO  
394  
395

XRF Exp 3%Site 1566 Hole A Date 22 Aug

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
<del>398</del>	<del>8 R3</del>	<del>SH</del>	<del>21</del>	<del>23:24</del>	<del>Lambert</del>	<del></del>	<del>negative B</del>
<del>399</del>	<del>8 R3</del>	<del>SH</del>	<del>21</del>	<del>23:25</del>	<del></del>	<del></del>	<del>Lo Rep 2</del>
<del>400</del>	<del>8 R3</del>	<del>SH</del>	<del>21</del>	<del>23:26</del>	<del></del>	<del></del>	<del>Lo Rep 3</del>
<del>401</del>	<del>8 R3</del>	<del>SH</del>	<del>21</del>	<del>23:27</del>	<del></del>	<del></del>	<del>Lo Rep 4</del>
402	8 R3	SH	21	23:30		✓	Lo Rep 5
403	8 R3	SH	21	23:32		✓	Lo Rep 6
404	8 R3	SH	21	23:33		✓	Lo Rep 6
405	7 R2	SH	79	23:35		✓	pillar base
406	8 R3	SH	79	23:36		✓	Lo Rep 2
407	8 R3	SH	79	23:37		✓	Lo Rep 3

Lo  
These  
supplies  
placed



3026

Hole A[illegible]

\*you can delete 417 just

XRF Exp 396

Site 1568

Hole B

Date

Aug 28<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
414	6X-2A	SH	75	16:17	Lambert	✓	basalt???
415	"	SH	75	16:18			4 Rep 2 with
416				16:20			4 Rep 3 ash.
417	2H-4A	SH	107	16:35			<del>4 Rep 2</del> lignite-6000
418	"	"	107	16:36			4 Rep 2
420	"	"	107	16:38			4 Rep 3
421	2H-4A	SH	107	16:41			Lignite - Soil Node
422	"	"	107	16:44			4 Rep 2 - soil
423	"	"	107	16:46			4 Rep 3 - soil
424	BHVO-2	std powder	—	16:57			Standard.
						✓	

418

XRF Exp 396

Site 1566

Hole A

Date

Aug 26

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
425	BH10-2	std - powder	/		Lambert	✓	Standard
426	GR-2w	SH	43	16:56		✓	massive B (TS)
427	GR-2w	SH	43	16:57		✓	Lo Rep 2
428	"	"	43	16:58		✓	Lo Rep 3
429	5R-1w	SH	106	17:01		✓	Plag B (TS)
430	"	"	106	17:02		✓	Lo Rep 2
431	"	"	106	17:03		✓	Lo Rep 3
432	6R-2w	SH	10	17:07		✓	brecciated B (TS)
433	"	"	10	17:08		✓	Lo Rep 2
434	"	"	10	17:09		✓	Lo Rep 3
435	11R-2w	"	33	17:12		✓	An desle flow (TS)
436	"	"	33	17:14		✓	Lo Rep 2

XRF Exp 396

Site 1566 Hole A Date Aug 26<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
437	11R-2w	S+H	33	17:15	Lambert		4 Rep 3
438	4R-1w	S+H	49	17:15		✓	Pickup - TS &
439	—	S+H	49	17:20		✓	4 Rep 2
440	—	S+H	49	17:21		✓	4 Rep 3
441	6R-2w	S+H	40	17:24		✓	aphite 13 (TS)
442	—	—	40	17:25		✓	4 Rep 2
443	—	—	40	17:30		✓	4 Rep 3
444	28-R3w	—	65	17:32		✓	Plg basalt (TS)
445	28-R3w	—	65	17:33		✓	4 Rep 2
446	28-R3w	—	65	17:34		✓	4 Rep 3
447	4R-2w	—	21	18:15		✓	Pickup CaCO <sub>3</sub> (TS)
448	—	—	21	18:16		✓	4 Rep 2
449	—	—	21	18:23		✓	4 Rep 3

XRF Exp 396

Site 1566

Hole A

Date

Aug 26<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
450	BHVO-2	powder std	—	18:28	Cambridge		Standard
451	GR-2W	SH	115	18:26			aphitic xenocrystic B (TS)
452	— " —	SH	115	18:28			40 Rep 2
453	— " —	SH	115	18:29			40 Rep 3
454	19 R2W	SH	138.5	18:32			massive B (TS)
455	— " —	— " —	138.5	18:33			40 Rep 2
456	— " —	— " —	138.5	18:35			40 Rep 3
457	22-R2W	— " —	96.5	18:37			flow texture (TS)
458	— " —	— " —	96.5	18:39			40 Rep 2
459	— " —	— " —	96.5	18:40			44 Rep 3
460	20-R2W	SH	143	18:42			Granite (TS)
461	— " —	SH	143	18:43			40 Rep 2
462	— " —	SH	143	18:45			40 Rep 3

\* might be too small

396

Ag 38-43

Date \_\_\_\_\_

4

# Hole

Site 1568

[illegible]

XRF Exp 398Site 1569Hole ADate Aug 31<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
470	33R1A	SH	19	14:05	Lambert	✓	Ash dark gray
471	—"	—"	19	14:06		✓	Co Rep 2
472	—"	—"	19	14:07		✓	Co Rep 3
473	33R1A	SH	57	14:10		✓	Ash layer - dark gray
474	—"	SH	57	14:11		✓	Co Rep 2
475	—"	—"	57	14:12		✓	Co Rep 3
476	33R1A	SH	88	14:14		✓	Ash layer
477	—"	SH	88	14:15		✓	Co Rep 2
478	—"	SH	88	14:17		✓	Co Rep 3
479	33R1A	SH	28	14:20		✓	Ash - VDG
480	—"	SH	28	14:21		✓	Co Rep 2
481	—"	SH	28	14:22	✓	✓	Co Rep 3

XRF Exp 308Hole A Date 31 Aug 17Site 1563

JHR

please  
delete  
#282

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
<del>482</del>	<del>BH00-2</del>	<del>SH powder</del>	<del>/</del>	<del>14:27</del>	<del>Cambrt</del>	<del>/</del>	<del>Standard</del>
483	BH00-2	SH powder	/	14:31	Cambrt	✓	standard
484	BH00-2	SH powder	/	14:32		✓	standard.
485	34R1A	SH	9	14:34		✓	Ash layer - Gray
486	"	SH	9	14:35		✓	40 Rep 2
487	"	SH	9	14:36		✓	40 Rep 3
488	34R1A	SH	15.5	14:38		✓	Ash layer, layered
489	"	SH	15.5	14:40		✓	40 Rep 2
490	"	SH	15.5	14:41		✓	40 Rep 3
491	34R1A	SH	62	14:43		✓	(ash spore ready!)
492	"	SH	62	14:45		✓	40 Rep 2
493	"	SH	62	14:47		✓	40 Rep 3
494	34R1A	SH	49	14:49		✓	Profile 1

are bonate?



XRF Exp 308Site 1569Hole ADate Aug 31

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
495	34 R1 A	SH	50.5	14:51	Lambert	✓	Profile 2
496	34 R1 A	SH	53	14:57		✓	Profile 3
497	34 R1 A	SH	55	14:59		✓	Profile 4
498	34 R1 A	SH	56.5	15:01		✓	Profile 5
499	34 R1 A	SH	57.5	15:02		✓	Profile 6
500	34 R1	SH	100	15:07		✓	Ash
501	34 R1	SH	100	15:08		✓	60 Rep 2
502	34 R1	SH	100	15:10		✓	60 Rep 3
503	34 R2 A	SH	64.5	15:20		✓	Ash gray? byer is
504	"	SH	64.5	15:21		✓	60 Rep 2 / too thin
505	"	SH	64.5	15:23		✓	60 Rep 3 / for analysis
506	34 R2 A	SH	45.5	15:26		✓	black ash?
507	"	SH	45.5	15:27		✓	60 Rep 2

XRF Exp 396

Site 1563

Hole A

Date

Aug 31

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only) 45.5	Time (UTC)	Operator	Exported?	Comments
508	34R2A	SH	81	15:29	Cambor	✓	Lo Rep 3
509	34R2A	SH	81	15:31		✓	ash with pyrite?
510	"	"	81	15:34		✓	Lo Rep 2
511	"	"	81	15:35		✓	Lo Rep 3
512	34R2A	SH	90	15:37		✓	fine ash ✓
513	"	SH	90	15:38		✓	Lo Rep 3
514	"	SH	90	15:40		✓	Lo Rep 2
515	34R3	SH	20	15:47		✓	coarse ash with pyrite
516	"	"	20	15:48		✓	Lo Rep 2
517	"	"	20	15:49		✓	Lo Rep 3
518	34R3A	SH	27.5	15:52		✓	fine ash grey
519	"	"	22.5	15:53		✓	Lo Rep 2
520	"	"	22.5	15:54		✓	Lo Rep 3

XRF Exp 398

Site 1569

Hole A

Date

August 31<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
521	BHVO-2	S/H <sup>paste</sup>	—	15:56	Carbunk	✓	Standard.
522	32 R2A	S/H	27	16:08	✓	✓	Black interval - ash ✓
523	— " —	S/H	27	16:08			40 Rep 2
524	— " —	S/H	27	16:03			40 Rep 3
525	32 R2A	S/H	47.5	16:12			Gradational layer
526	— " —	— " —	47.5	16:13			40 Rep 2 / carb
527	— " —	— " —	47.5	16:14			40 Rep 3
528	32 R2A	S/H	65	16:37			(Carbonated) ash ✓
529	— " —	S/H	65	16:38			40 Rep 2
530	— " —	S/H	65	16:40			40 Rep 3
531	32 <del>R2A</del> R2A	— " —	75	16:42			Carbonate landscape
532	32 R2A	— " —	75	16:44		✓	40 Rep 2
533	32 R2A	— " —	75	16:45	✓	✓	40 Rep 3

XRF Exp 396

Site 1569

Hole A

A

Date

August 31<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
534	35R1A	SH	72	16:51	Lambert	✓	Gray sand with plate ✓
535	"	SH	72	16:58		✓	↳ Rep 2
<del>536</del>	"	"	72	16:59		✓	↳ Rep 3
537	35R1A	SH	<del>72</del> 106	17:01		✓	Bioturbated gray sand
538	"	SH	106	17:03		✓	↳ Rep 2
539	"	"	106	17:04		✓	↳ Rep 3
540	35-R2A	SH	94	17:10		✓	fine gray layer.
541	"	SH	94	17:11		✓	↳ Rep 2
542	"	SH	94	17:12		✓	↳ Rep 3
543	"	SH	94	17:15		✓	↳ Rep 4 / no film
544	"	"	94	17:16		✓	↳ Rep 5 / no film
<del>545</del>	<del>35-R2A</del>	<del>SH</del>	<del>94</del>	<del>17:17</del>	<del>✓</del>	<del>✓</del>	<del>↳ Rep 6 / no film.</del>
545	35-R2A	SH	111.5	17:19	✓	✓	dark gray

536

XRF Exp 336Site 1569AHole ADate Aug 31<sup>st</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
546	35-R2A	SH	111.5	17:20	Cambrel	✓	Lo Rep 2
547	—	—	111.5	17:23	✓	✓	Lo Rep 3
549	36-R1A	SH	60.5	17:31	✓	✓	Fire Gray
549	—	—	60.5	17:33	✓	✓	Lo Rep 2
550	—	—	60.5	17:34	✓	✓	Lo Rep 3
551	BH00-2	std powder	—	17:36	✓	✓	Standard
552	11095131	powder	148.5	17:39	✓	✓	not lighte
553	—	—	148.5	17:40	✓	✓	Lo Rep 2
554	—	—	148.5	17:41	✓	✓	Lo Rep 3

J1569B  
2H6W  
148-149

XRF Exp 396

Site 1570

Hole A

Date Sept 2<sup>nd</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
555	BHV0.2	std powder	/	14:55	Canbutt	✓	Star dust.
556	26 R1	SH	7.5	14:58		✓	metapelite?
557	"	SH	7.5	16:59		✓	Lo Rep 2
558	"	SH	7.5	15:00		✓	Lo Rep 3
559	26 R1	SH	23	15:03		✓	banded dacite
560	"	SH	23	15:04		✓	Lo Rep 2
561	"	SH	23	15:05		✓	Lo Rep 3
562	26 R1	SH	59	15:07		✓	Claystone
563	"	"	59	15:08		✓	Lo Rep 2
564	"	"	59	15:10		✓	Lo Rep 3
565	26 R1	SH	124	15:42		✓	Dacite
566	26 R1	SH	124	15:13		✓	Lo Rep 2

XRF Exp 396Site 1570Hole ADate Sept 2<sup>nd</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only) 124	Time (UTC)	Operator	Exported?	Comments
567	26R1	SH	88	15:15	Cambridge	✓	6 Rep 3
568	26R1	SH	88	15:17			Plg in <del>to</del> <del>core</del> <del>veer</del>
569	26R1	SH	88	15:19			6 Rep 2
570	26R1	SH	88	15:22			6 Rep 3
571	26R1	SH	89	15:25			mufic magna?
572	26R1	SH	89	15:26			6 Rep 2
573	26R1	SH	89	15:28			6 Rep 3
574	26R1	SH	143	15:30			Contact (blank)
575	26R1	SH	143	15:33			6 Rep 2
576	26R1	—	123	15:38			6 Rep 3
577	—	SH	143	15:40			6 Rep 4 (in situ)
578	—	SH	143	15:42		✓	6 Rep 5
579	—	SH	143	15:43			6 Rep 6

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
<del>585</del>	<del>26R2</del>	<del>std powder</del>	<del>14</del>	<del>15:49</del>	<del>Combat</del>	<del>✓</del>	<del>3HVO-2</del>
580	3HVO-2	std powder	14	15:49	Combat	✓	3HVO-2
581	26R2	SH	14	15:55		✓	black <del>and</del> magn
582	26R2	"	14	16:01		✓	↳ Rep 2
583	"	"	14	16:05		✓	↳ Rep 3
584	26R2	SH	43	16:08		✓	Dacite
585	26R2	"	43	16:10		✓	↳ Rep 2
586	26R2	"	43	16:11		✓	↳ Rep 3
587	26R2	SH	52	16:13		✓	Dacite
588	26R2	SH	52	16:14		✓	↳ Rep 2
589	26R2	SH	52	16:17		✓	↳ Rep 3
590	26R2	SH	102	16:20		✓	Dacite
591	"	SH	102	16:21		✓	↳ Rep 2



XRF Exp 356 Date Sept 2nd  
 Site 1570 Hole A

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
592	26-R2	S+ 5H	102	16:24	Carburot	<input checked="" type="checkbox"/>	Lo Rep 3
<del>593</del>	<del>26-R2</del> <del>26-R2</del>		102	16:25	—	<input checked="" type="checkbox"/>	Lo Rep 4
595	26-R2	S+ 5H	117	16:27		<input checked="" type="checkbox"/>	black magna
596	—	S+ 5H	117	16:28		<input checked="" type="checkbox"/>	Lo Rep 2
597	—	S+ 5H	117	16:29		<input checked="" type="checkbox"/>	Lo Rep 3
598	26-R2	S+ 5H	135	16:31		<input checked="" type="checkbox"/>	claystone
599	—	S+ 5H	135	16:32		<input checked="" type="checkbox"/>	Lo Rep 2
600	—	S+ 5H	135	16:34		<input checked="" type="checkbox"/>	Lo Rep 3
601	27-R1	S+ 5H	5	16:38		<input checked="" type="checkbox"/>	contact with seds
602	—	S+ 5H	5	16:39		<input checked="" type="checkbox"/>	Lo Rep 2
603	—	S+ 5H	5	16:40		<input checked="" type="checkbox"/>	Lo Rep 3
604	27-R1	S+ 5H	13	16:43		<input checked="" type="checkbox"/>	laminated seds
605	—	S+ 5H	13	16:45		<input checked="" type="checkbox"/>	Lo Rep 2

593

Date Sept 2nd

Site 157A

**Hole** A

Date Sept

[illegible]

XRF Exp 396

Site 1571

Hole A

Date

Sept 6<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
614	BHVO-2	st pattern	—	13:24	Lambert	✓	Standard
615	BHVO-2	—	—	13:26	—	✓	—
616	15 RCC	SH	11	13:29	—	✓	1 <sup>st</sup> Basalt
617	—	—	11	13:30	—	✓	60 Rep 2
618	—	—	11	—	—	✓	60 Rep 3
619	18 R2	—	20	13:35	—	✓	Vesicular B
620	—	—	20	13:37	—	✓	60 Rep 2
621	—	—	20	13:38	—	✓	60 Rep 3
622	18 R2	—	135	13:40	—	✓	dark vesicular B
623	—	—	135	13:41	—	✓	60 Rep 2
624	—	—	135	13:42	—	✓	60 Rep 3
625	18 R3	—	40	13:51	—	✓	dark vesicular B
626	—	—	40	13:52	—	✓	60 Rep 2

XRF Exp 386

Site 1571 A Hole A Date 10 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
627	18 R3	S#	40	13:53	Cambak	✓	Lo Rep 3
628	18 R3		119	13:55		✓	dark vesicular B
629	—		119	13:56			Lo Rep 2
630	—		119	13:58			Lo Rep 3
631	19 R1		17	14:01			vesicular B
632	—		17	14:03			Lo Rep 2
633	—		17	14:04			Lo Rep 3
634	19 R1		79	14:06			basalt massive
635	—		79	14:07			Lo Rep 2
636	—		79	14:08			Lo Rep 3
637	19 R1		123	14:11			sparsely vesicular B
638	1 —		123	14:12			Lo Rep 2
639	—		123	14:13		✓	Lo Rep 3

XRF Exp 396Date Sept 10Site 1571Hole A

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
640	BTHD-2	std powder	—	14:17	Cambridge	✓	Standard
641	21 RCC	SH	3	14:19	✓	✓	piece of B
642	—"	✓	3	14:20	✓	✓	60 Rep 2
643	—"	✓	3	14:21	✓	✓	60 Rep 3
644	22 R1	SH	29	14:33	✓	✓	phantom B
645	—"	✓	29	14:35	✓	✓	60 Rep 2
646	—"	✓	29	14:36	✓	✓	60 Rep 3
647	—"	✓	29	14:36	✓	✓	✓
648	21 RCC	SH	3	14:22	✓	✓	60 Rep 4 (piece of B)
649	22 R1	SH	120	14:39	✓	✓	phantom B
650	—"	✓	120	14:40	✓	✓	60 Rep 2
651	—"	✓	120	14:41	✓	✓	60 Rep 3
652	22 R2	✓	16	14:45	✓	✓	phantom B

XRF Exp 396

Site 1571 Hole A Date Sep 10

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
652	22R2	S H	16	14:46	Lambert	✓	60 Rep 2
653	—		16	14:48		✓	60 Rep 3
654	22R2		110	14:51			phantom B
655	22R2		110	14:52			60 Rep 2
656	22R2		110	14:54			60 Rep 3
657	23R1		12	15:34			phantom B
658	—		12	15:35			60 Rep 2
659	—		12	15:37			60 Rep 3
660	23R1		53	15:39			vesicular B
661	—		53	15:40			60 Rep 2
662	—		53	15:41			60 Rep 3
663	23R1	✓	97	15:43		✓	vesicular B
664	—		97	15:44		✓	60 Rep 2

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Site 1571 Hole A Date 10 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
665	23 R1	SH	97	15:45	Lambert	✓	Lo Rep 3
666	BHVO-2	std powder	—	15:47	—	✓	Standard
667	23 R3	SH	47	15:51	Lambert	✓	apheye 13
668	—		47	15:52	✓	✓	Lo Rep 2
669	—		47	15:53	✓	✓	Lo Rep 3
670	24 R1		47	15:58	✓	✓	vesicular 13
671	—		47	15:59	✓	✓	Lo Rep 2
672	—		47	16:00	✓	✓	Lo Rep 3
673	24 R1		135	16:02	✓	✓	phurexic 13
674	—		135	16:03	✓	✓	Lo Rep 2
675	—		135	16:05	✓	✓	Lo Rep 3
676	24 R2		5	16:08	✓	✓	mauve 13
677	—		5	16:09	✓	✓	Lo Rep 2

XRF Exp 396

Site 1571

Hole A

Date 6 sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
678	24 R2	SH	5	16:10	Lambert	✓	↳ Rep 3
679	24 R2		64	16:13		✓	vericure B
680	— " —		64	16:14		✓	↳ Rep 2
681	— " —		64	16:15		✓	↳ Rep 3
682	24 R2		143	16:18		✓	naive B
683	— " —		143	16:19		✓	↳ Rep 2
684	— " —		143	16:20		✓	↳ Rep 3
685	24 R3		16	16:24		✓	vericure B
686	— " —		16	16:25		✓	↳ Rep 2
687	— " —		16	16:26		✓	↳ Rep 3
688	24 R3		51	16:28		✓	vericure B
689	— " —		51	16:29		✓	↳ Rep 2
690	— " —	✓	51	16:30	✓	✓	↳ Rep 3



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Site 1570 Hole A Date Sept 10

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
691	24 R3	SH	14g	16:32	Cam Smith	✓	massive B
692	—	SH	14g	16:33		✓	60 Rep 2
693	—	SH	14g	16:34		✓	60 Rep 3
694	BH40-2	std powder	/	16:36		✓	Standard
695	25-R1	SH	30	16:39		✓	phanesitic B
696	25 R1		50	16:40		✓	60 Rep 2
697	—		50	16:41		✓	60 Rep 3
698	25 R2		8	16:44		✓	phanesitic B
699	—		8	16:46		✓	60 Rep 2
700	—		8	16:47		✓	60 Rep 3
701	25 R2		124	16:49		✓	vermicular B
702	—		124	16:50		✓	60 Rep 2
703	—		124	16:51		✓	60 Rep 3

XRF Exp 396Site 1570 Hole A Date Sept 6<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
704	25-R3	5 #	66	16:54	Lambert	✓	Vericure B
705	"		66	16:56			6 Rep 2
706	"		66	16:57			60 Rep 3
707	25 R3		20	16:58			vericure B
708	"		20	17:00			60 Rep 2
709	"		20	17:01			60 Rep 3
710	25 R3		130	17:03			massive B
711	"		130	17:04			60 Rep 2
712	"		130	17:05			60 Rep 3
713	25 R4		42	17:09			vericure
714	"		42	17:10			60 Rep 2
715	"		42	17:11		✓	60 Rep 3
716	26 R1	✓	13	17:15	✓	✓	Vericure

XRF Exp 396Site 1571 Hole A Date Sept 10

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
717	26R1	S/H	13	17:16	Combat	✓	6 Rep 2
718	"		13	17:17			6 Rep 3
719	26R1		115	17:19			massive
720	"		115	17:20			6 Rep 2
721	"		115	17:21			6 Rep 3
722	26R2		63	17:24			vesicular
723	"		63	17:26			6 Rep 2
724	"		63	17:27			6 Rep 3
725	26R2		115	17:29			massive
726	"		115	17:30			6 Rep 2
727	"	✓	115	17:31			6 Rep 3
728	B HV0-2	std powder	✓	18:04			Standard
729	26-R3	S/H	44	18:57		✓	bead

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
730	26 R3	SH	64	18:08	Lambert	✓	Co Rep 2
731	26 R3		44	18:09		✓	Co Rep 3
732	26 R3		118	18:11		✓	basalt
733	26 R3		118	18:12		✓	Co Rep 2
734	26 R3		118	18:13		✓	Co Rep 3
735	26 R4		50	18:14		✓	basalt
736	26 R4		50	18:18		✓	Co Rep 2
737	—"		50	18:19		✓	Co Rep 3
738	26 R4		114	18:21		✓	basalt
739	—"		114	18:22		✓	Co Rep 2
740	—"		114	18:23		✓	Co Rep 3
741	27 R1		72	18:27		✓	vein calc b
742	—"		72	18:28		✓	Co Rep 2

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
743	27R1	SH	72	18:30	Carbush	✓	Ver. char b - Rep 3
744	27R1	✓	139	18:32	✓	✓	massive b
745	—"	✓	139	18:33	✓	✓	↳ Rep 2
746	—"	✓	139	18:34	✓	✓	↳ Rep 3
747	27R2	✓	28	18:38	✓	✓	massive b (pbg B)
748	—"	✓	28	18:39	✓	✓	↳ Rep 2
749	—"	✓	28	18:40	✓	✓	↳ Rep 3
750	27R2	✓	119	18:42	✓	✓	ver. char B
751	—"	✓	119	18:43	✓	✓	↳ Rep 2
752	—"	✓	119	18:44	✓	✓	↳ Rep 3
753	27R3	✓	72	18:48	✓	✓	play B
754	—"	✓	72	18:49	✓	✓	↳ Rep 2
755	—"	✓	72	18:50	✓	✓	↳ Rep 3

XRF Exp 396Site 1571 Hole A Date 10 sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
756	BHVO-2	std powder	—	18:52	Lambert	✓	Standard
757	27 R4	SH	11	20:08		✓	basalt
758	— " —		11	20:10		✓	↳ Rep 2
759	— " —		11	20:11		✓	↳ Rep 3
760	28 R1		20	20:19		✓	<del>std</del> 1 <sup>st</sup> basalt after sed
761	— " —		20	20:21		✓	↳ Rep 2
762	— " —		20	20:22		✓	↳ Rep 3
763	28 R1		68	20:24		✓	vesicular β
764	— " —		68	20:26		✓	↳ Rep 2
765	— " —		68	20:27		✓	↳ Rep 3
766	28 R2		86	20:32		✓	basalt with filled vesicles
767	— " —		86	20:33		✓	↳ Rep 2
768	— " —		86	20:34		✓	↳ Rep 3

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only) <u>76</u>	Time (UTC) <u>20:39</u>	Operator <u>Cambridge</u>	Exported? <input checked="" type="checkbox"/>	Comments
769	28 R3	<u>SH</u>	<u>76</u>	<u>20:42</u>			Very massive B (1.5m)
770	"		<u>76</u>	<u>20:43</u>			to Rep 2
771	"		<u>76</u>	<u>20:43</u>			to Rep 3
772	28 R4		<u>26</u>	<u>20:48</u>			very massive B (n.b.)
773	"		<u>26</u>	<u>20:49</u>			to Rep 2
774	"		<u>26</u>	<u>20:51</u>			to Rep 3
775	29 R1		<u>50</u>	<u>20:55</u>			vesicular B
776	"		<u>50</u>	<u>20:57</u>			to Rep 2
777	"		<u>50</u>	<u>20:58</u>			to Rep 3
778	29 R2		<u>76</u>	<u>21:02</u>			vesicular massive B
779	"		<u>76</u>	<u>21:04</u>			to Rep 2
780	"		<u>76</u>	<u>21:06</u>			to Rep 3
781	29 R3		<u>21</u>	<u>21:10</u>			Vesicular massive B

XRF Exp 396

Site 1571 Hole A Date 10 sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
782	23 R3	SH	21	21:11	Lambert	✓	60 Rep 2
783	"	SH	21	21:12		✓	60 Rep 3
784	29 R3	SH	111	21:14		✓	massive hematite
785	"	SH	111	21:16		✓	60 Rep 2
786	"	SH	111	21:17		✓	60 Rep 3
787	BHVO-2	std powder	—	21:18		✓	Standard BHVO-2
788	29 R4	SH	20	21:21		✓	basalt
789	"		20	21:22		✓	60 Rep 2
790	"		20	21:23		✓	60 Rep 3
791	30 R1	.	71	21:27		✓	phaneritic B
792	"		71	21:28		✓	60 Rep 2
793	"		71	21:29		✓	60 Rep 3
794	30 R2	✓	56	21:47	N	✓	phaneritic B



XRF Exp 306Site 1571 Hole A Date 10 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
795	30R2	SH	56	21:48	Lambert	✓	60 Rep 2
796	30R2	SH	56	21:49		✓	60 Rep 3
797	30R3	SH	70	21:53			Phaneroitic very massive B
798	"		70	21:54		✓	60 Rep 2
799	"		70	21:55		✓	60 Rep 3
800	30R4		40	21:59		✓	Phaneroitic very massive B
801	"		40	22:00		✓	60 Rep 2
802	"		40	22:02		✓	60 Rep 3
803	31R1		50	22:05		✓	Phaneroitic Very massive B
804	"		50	22:07			60 Rep 2
805	"		50	22:08		✓	60 Rep 3
806	31R2		60	22:12		✓	Phaneroitic very massive B
807	"		60	22:13	✓	✓	60 Rep 2

XRF Exp <u>396</u>							
Site <u>1571</u>		Hole <u>A</u>		Date <u>Sept 10</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
808	31 R2	SH	60	22:14	Lambert	✓	to Rep 3
809	31 R3		127	22:18		✓	top flow
810	—"		127	22:19			to Rep 2
811	—"		127	22:20			to Rep 3
812	31 R4		89	22:25			bamb
813	—"		89	22:26			to Rep 2
814	—"		89	22:27			to Rep 3
815	32 R1		3	22:30			vesicular β
816	—"		3	22:31			to Rep 2
817	—"		3	22:33			to Rep 3
818	32 R1		115	22:34			vesicular β
819	—"		115	22:35			to Rep 2
820	—"		115	22:37		✓	to Rep 3

**XRF Exp** 396

Site 1571

# Hole

4

Date:

Sept 6 1877

[illegible]

XRF Exp 1571

Date Sept 11

Hole A

Site 3036

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
828	32 R4	SH	35	12:20	lanback	✓	vericheck B
829	—	✓	35	12:21	✓	✓	6 Rep 2
830	—	✓	35	12:23	✓	✓	6 Rep 3
831	32-R4	✓	108	12:24	✓	✓	vericheck B
832	—	✓	108	12:26	✓	✓	6 Rep 2
833	—	✓	108	12:27	✓	✓	6 Rep 3
834	BHVO-2	Std powder	—	12:29	✓	✓	Standard BHVO-2
835	33 R1	SH	59	12:33	✓	✓	vericheck B
836	—	✓	59	12:34	✓	✓	6 Rep 2
837	—	✓	59	12:35	✓	✓	6 Rep 3
838	33 R2	✓	107	12:39	✓	✓	lava flow
839	—	✓	—	12:40	✓	✓	6 Rep 2
840	—	✓	—	12:41	✓	✓	6 Rep 3

XRF Exp 396Site 571 Hole A Date Sept 11

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
841	33R3	SH	22	12:44	Cambrist	✓	vesicular
842	—"		22	12:45		✓	ls Rep 2
843	—"		22	12:46		✓	ls Rep 3
844	33R3		39	12:48		✓	massive
845	—"		39	12:50		✓	ls Rep 2
846	—"		39	12:51		✓	ls Rep 3
847	34R1		40	14:12		✓	vesicular 19
848	—"		70	14:13		✓	ls Rep 2
849	—"		70	14:14		✓	ls Rep 3
850	34R1		12	14:17		✓	flow toe
851	—"		12	14:18		✓	ls Rep 2
852	—"		12	14:19		✓	ls Rep 3
853	34R1		30	14:23		✓	dike

XRF Exp 398

Site 1571

Hole A

Date 11 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
854	34R1	SH	30	14:24	carlsbad	✓	60 Rep 2
855	34R1	SH	30	14:25			60 Rep 3
856	BHVO-2	std powder	/	14:27			Standard.
857	34R2	SH	15	14:29			marble
858	"		15	14:30			60 Rep 2
859	"		15	14:32			60 Rep 3
860	34R2		89	14:33			fine texture
861	34R2		89	14:35			60 Rep 2
862	34R2		83	14:36			60 Rep 3
863	35R1		42	14:39			vermicular
864	"		42	14:40			60 Rep 2
865	"		42	14:41			60 Rep 3
866	35R2	↓	99	14:43	↓	✓	marble

XRF Exp 358Site 1571 Hole A Date 11 sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
867	35 R21	SH	99	14:44	Cam but	✓	↳ Rep 2
868	35 R21		99	14:46			↳ Rep 3
869	35 R21		123	14:48			massive.
870	"		123	14:49			↳ Rep 2
871	"		123	14:50			↳ Rep 3
872	35 R2		5	14:54			flue kilauea
873	"		5	14:55			↳ Rep 2
874	"		5	14:56			↳ Rep 3
875	35 R2		62	14:58			vertical
876	"		62	15:00			↳ Rep 2
877	"		62	15:01			↳ Rep 3
878	35 R22		83	15:03		✓	chilled mag.
879	"		83	15:04	✓		↳ Rep 2

XRF Exp 396

Site 1571

Hole A

Date

11 Sep

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
880	35 R2	SH	83	15:05	Cambria	✓	6 Rep 3
881	36 R2	SH	23	15:09			vesicular B
882	—		23	15:10			6 Rep 2
883	—		23	15:11			6 Rep 3
884	36 R2		113	15:13			massive
885	—		113	15:14			6 Rep 2
886	—	↓	113	15:15			6 Rep 3
887	BHVO-2	Std powder	—	15:16			Standard
888	36 R3	SH	16	15:19			vesicular
889	—		16	15:20			6 Rep 2
890	—		16	15:21			6 Rep 3
891	36 R3		94	15:23			sparsely vesicular
892	—	↓	94	15:25		✓	6 Rep 2



XRF Exp 396

Site 15H

Hole A

Date 11 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
893	36R3	SH	54	15:26	Canhuk	✓	60 Rep 3
894	37R1		67	15:30			massive
895	—		67	15:31			60 Rep 2
896	—		67	15:32			60 Rep 3
897	37R2		35	15:36			massive
898	—		35	15:38			60 Rep 2
899	—		35	15:39			60 Rep 3
900	37R2		113	15:42			vesicular
901	—		113	15:44			60 Rep 2
902	—		113	15:45			60 Rep 3
903	37R3		60	16:21			vesicular
904	37R3		60	16:24			60 Rep 2
905	37R3		60	16:28		✓	60 Rep 3

XRF Exp <u>396</u>							
Site <u>1571</u>		Hole <u>A</u>		Date <u>11 Sept</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
906	38R1	S/H	74	16:32	Cambel	✓	mauve
907	—		74	16:35			60 Rep 2
908	—		74	16:38			60 Rep 3
909	38R2		80	16:40			vesicular
910	—		80	16:42			60 Rep 2
911	—		50	16:47			60 Rep 3
912	38-R2		139	16:45			chilled margin
913	38R2		139	16:46			60 Rep 2
914	38R2		139	16:47			60 Rep 3
915	38R3		14	16:50			mauve
916	—		14	16:51			60 Rep 2
917	—		14	16:52			60 Rep 3
918	38R3	✓	105	16:54	✓	✓	vesicular

XRF Exp <u>396</u>							
Site <u>1571</u>		Hole <u>A</u>		Date <u>11 Sept</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
919	38 R3	JH	105	16:55	Lambert	✓	60 Rep 2
920	—"		105	16:56			60 Rep 3
921	38 R4		51	16:59			manic
922	—"		51	17:01			60 Rep 2
923	—"		51	17:02			60 Rep 3
924	39 R1		110	17:06			vertical
925	—"		110	17:07			60 Rep 2
926	—"		110	17:08			60 Rep 3
927	39 R1		25	17:10			plug pharectic
928	—"		25	17:11			60 Rep 2
929	—"		25	17:12			60 Rep 3
930	39 R2		130	17:15			plug pharectic
931	—"	✓	130	17:17		✓	60 Rep 2

XRF Exp 396Site 1571Hole ADate 11 sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
932	39R2	SH	130	17:18	Cambar	✓	65 Rep 3
933	39R3	SH	141	17:21	Cambar	✓	Massive
934	—	SH	141	17:22		✓	65 Rep 2
935	—	SH	141	17:24		✓	65 Rep 3
936	BH10-2	std powder	✓	17:26		✓	Standard
937	13Rcc	Powder	✓	18:18		✓	4 Morgan
938	—		✓	18:19		✓	60 Rep 2
939	—		✓	18:20		✓	60 Rep 3
940	12R3		✓	18:22		✓	4 Morgan
941	—		✓	18:23		✓	60 Rep 2
942	—		✓	18:25		✓	60 Rep 3
943	14Rcc		✓	18:27		✓	4 Morgan
944	—		✓	18:28		✓	65 Rep 2

XRF Exp 396Site 1571 Hole A Date 11 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
945	14 RCC	powder	/	18:29	Lambert	✓	to Rep 3
946	SR-1		/	18:30		✓	Standard
947	"		/	18:32		✓	to Rep
948	BE-N		/	18:33		✓	Standard
949	"		/	18:34		✓	to Rep
950	RGR-2		/	18:36		✓	Standard
951	BCR-2		/	18:37		✓	to Rep
952	SB-2		/	18:39		✓	Standard
953	"		/	18:40		✓	to Rep
954	NRG-1		/	18:42		✓	Standard
955	"		/	18:43		✓	to Rep
956	AGU-1		/	18:45		✓	Standard
957	"		/	18:46		✓	to Rep

XRF Exp <u>396</u>							
Site <u>1571</u>		Hole <u>A</u>		Date <u>11 Sept</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
958	JP-1	powder	/	18:47	Carbont	✓	Standard
959	—"		/	18:48			Lo Rep
960	BIR-1		/	18:50			Standard.
961	—"		/	18:51			Lo Rep
962	LK50-4		/	18:53			Standard
963	—"		/	18:54			Lo Rep
964	NODA-1		/	18:55			Standard
965	—"		/	18:57			Lo Rep
966	SA-2		/	18:58			Standard
967	—"		/	18:59			Lo Rep
968	OTS-1		/	19:01			Standard
969	—"		/	19:02			Lo Rep
970	SG-1a		/	19:04	✓	✓	Standard
971	—"		/	19:08			Lo Rep

XRF Exp <u>396</u>							
Site <u>1572</u>		Hole <u>A</u>		Date <u>13/08/2021</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
972	BHVD-2	Powder	NA	1:36	WX	✓	BHVD-2
973	U1571B-14X-1A	S/H	28	1:47	WX	✓	Apatite
974	"	"	"	1:48	"	✓	Apatite-2
975	"	"	"	1:50	"	✓	Apatite-3
976	"	"	107	1:55	"	✓	Apatite-more black
977	"	"	"	1:57	"	✓	Apatite-more black-2
978	"	"	"	1:59	"	✓	Apatite-more black-3
979	"	"	104	2:02	"	✓	Apatite-more black
980	"	"	"	2:05	"	✓	Apatite-more black-2
981	"	"	"	2:07	"	✓	Apatite-more black-3
424	"	"	104	2:10	"	✓	Apatite-soil (soil mode)
425	"	"	104	2:12	"	✓	Apatite-soil-2 (soil mode)

XRF Exp <u>386</u>							
Site <u>U1572</u>		Hole <u>A</u>		Date <u>13/09/2024</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
426	U1571B-14X-1A	S/H	104	2:14	WX	✓	Apatite - soil - 3 (soil mode)
982	23 R1	SH	37	2:32	"	✓	dark andesite
983	— " —	"	37	2:34	"	✓	6 Rep 2
984	— " —	"	37	2:35	"	✓	6 Rep 3
985	23 R1	SH	77	2:38	"	✓	light andesite
986	"	"	"	2:40	"	✓	Rep 2
987	"	"	"	2:41	"	✓	Rep 3
988	23 R1	"	105	2:44	"	✓	green rock.
989	"	"	105	2:45	"	✓	rep 2
990	"	"	"	2:46	"	✓	rep 3
991	23 R2	"	51	2:50	"	✓	green rock
992	"	"	"	2:51	"	✓	rep 2
993	"	"	"	2:53	"	✓	rep 3



XRF Exp <u>396</u>						
Site <u>U1572</u>		Hole <u>A</u>		Date <u>13/09/2021</u>		
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported? Comments
994	23R 3	S/H	45	2:58	WX	gray rock
995	"	"	"	3:00	"	gray rock-2
996	"	"	"	3:01	"	gray <del>rock</del> rock-3
997	24R 1	S/H	36	3:06	"	bright gray
998	"	"	"	3:07	"	<del>light</del> bright gray-2
999	"	"	"	3:08	"	bright gray-3
1000	24R 2	S/H	60	3:13	"	gray
1001	"	"	"	3:14	"	gray-2
1002	"	"	"	3:16	"	gray-3
1003	BHVO-2	Powder	NA	3:18	"	BHVO-2
1004	24R 3	S/H	84	3:22	"	dark gray
1005	"	"	"	3:23	"	dark gray-2
1006	"	"	"	3:25	"	dark gray-3

XRF Exp 396

Site 01572

Hole A

Date 13/09/2021

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1007	24R4	S/H	48	3:30	WX	✓	medium gray
1008	"	"	"	3:31	"	✓	medium gray-2
1009	"	"	"	3:32	"	✓	medium gray-3
1010	25R1	"	30	3:37	"	✓	medium gray
1011	"	"	"	3:38	"	✓	medium gray-2
1012	"	"	"	3:39	"	✓	medium gray-3
1013	25R2	"	35	3:44	"	✓	gray-3
1014	"	"	"	3:45	"	✓	gray-3-2
1015	"	"	"	3:46	"	✓	gray-3-3
1016	25R3	"	67	4:18	"	✓	gray
1017	0 "	"	"	4:20	"	✓	gray-2
1018	"	"	"	4:21	"	✓	gray-3

XRF Exp <u>396</u>						
Site <u>U1572</u>		Hole <u>A</u>		Date <u>13/09/2021</u>		
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported? Comments
1019	25R 4	S/H	85	4:26	WX	✓ gray
1020	"	"	"	4:27	"	✓ gray-2
1021	"	"	"	4:28	"	✓ gray-3
1022	BHVO 2	powder	N/A	4:30	"	BHVO standard
1023	25R 5	S/H	5	4:33	"	small section
1024	<del>25</del> "	"	"	4:34	"	small section -2
1025	"	"	"	4:35	"	small section -3
1026	26R 1	"	21	4:40	"	gray
1027	"	"	"	4:42	"	gray-2
1028	"	"	"	4:43	"	gray-3
1029	26R 2	S/H	62	4:47	"	long
1030	"	"	"	4:49	"	✓ long-2
1031	"	"	"	4:50	"	✓ long-3

XRF Exp <u>396</u>							
Site <u>U1572</u>		Hole <u>A</u>		Date <u>13/09/2021</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1032	26R3	S/H	56	4:55	WX	✓	gray
1033	"	"	"	4:56	"	✓	gray-2
1034	"	"	"	4:57	"	✓	gray-3
1035	26R4	"	70	5:02	"	✓	dark
1036	"	"	"	5:03	"	✓	dark-2
1037	"	"	"	5:04	"	✓	dark-3
1038	26R4	"	85	5:07	"	✓	light
1039	"	"	"	5:09	"	✓	light-2
1040	"	"	"	5:10	"	✓	light-3
1041	27R1	"	80	5:14	"	✓	small
1042	"	"	"	5:15	"	✓	small-2
1043	"	"	"	5:16	"	✓	small-3

XRF Exp 396

Site U1572

Hole A

Date 13/08/2021

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1044	27R 2	S/H	6P	5:19	WX	✓	gray
1045	"	"	"	5:24	"	✓	gray-2
1046	"	"	"	5:26	"	✓	gray-3
1047	BHVO 2	Powder	N/A	5:28	"	✓	BHVO standard
1048	BHVO 2 26R 6G	Powder S/H	N/A 17	5:31	"	✓	Claystone BHVO standard
1049	26R 6A	S/H	17	5:33	"	✓	Claystone
1050	"	"	"	5:35	"	✓	Claystone -2
1051	"	"	"	5:36	"	✓	Claystone -3

Mistaken

XRF Exp <u>396</u>							
Site <u>1572</u>		Hole <u>A</u>		Date <u>Sept 15</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1052	23 R1	SH	37	12:33	Cambach	✓	Dark Andesite
1053	"		37	12:40			Lo Rep 2
1054	"		37	12:41			Lo Rep 3
1055	23 R1		40	12:44			Dark Andesite
1056	"		40	12:45			Lo Rep 2
1057	"		40	12:46			Lo Rep 3
1058	23 R1		47	12:48			Dark andesite
1059	"		47	12:49			Lo Rep 2
1060	"		47	12:51			Lo Rep 3
1061	23 R1		58	12:53			light andesite
1062	"		58	12:54			Lo Rep 2
1063	"	✓	58	12:56	✓	✓	Lo Rep 3

\* labelled as "47 offset" but is really 58. (SR)

XRF Exp 396Site 1572Hole ADate Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1064	23 R1	S/H	78	12:50	Cambridge	✓	light and te
1065	— " —	↓	78	13:00	✓	✓	60 Rep 2
1066	— " —	↓	78	13:01	✓	✓	60 Rep 3
1067	BHVO-2	std powder	—	13:03	✓	✓	Standard
1068	23 R2	<del>S/H</del>	87	13:11	✓	✓	light and te
1069	— " —	✓	87	13:12	✓	✓	60 Rep 2
1070	— " —	✓	87	13:13	✓	✓	60 Rep 3
1071	23 R2	✓	95	13:14	✓	✓	light and pebble
1072	— " —	✓	95	13:16	✓	✓	60 Rep 2
1073	— " —	✓	95	13:17	✓	✓	60 Rep 3
1074	28 R1	✓	3	13:20	✓	✓	Beauville
1075	— " —	✓	3	13:21	✓	✓	60 Rep 2
1076	— " —	✓	3	13:22	✓	✓	60 Rep 3

XRF Exp <u>336</u> Date <u>Sept 15<sup>th</sup></u>						
Site <u>15724</u> Hole <u>A</u>						
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported? Comments
1077	29 R1	SH	94	13:25	Lambert	✓ Basalt
1078	"	-	94	13:27		✓ 60 Rep 2
1079	"		94	13:28		60 Rep 3
1080	29 R2		85	13:33		Basalt
1081	"		85	13:34		60 Rep 2
1082	"		85	13:35		60 Rep 3
1083	29 R3		35	13:38		Basalt
1084	"		35	13:39		60 Rep 2
1085	"		35	13:40		60 Rep 3
1086	30 R2		65	13:43		basalt
1087	"		65	13:44		60 Rep 2
1088	"	✓	65	13:45	✓	60 Rep 3



XRF Exp 306Site 1572Hole ADate Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1089	3HVO-2	Std powder	—	13:47	Lambert	✓	Standard.
1090	31R1	SH	15	13:49	✓	✓	vehicle P
1091	—	—	15	13:50	✓	✓	to Rep 2
1092	—	—	15	13:51	✓	✓	to Rep 3
1093	31R1	—	139	13:53	✓	✓	vehicle P
1094	—	—	139	13:55	✓	✓	to Rep 2
1095	—	—	139	13:56	✓	✓	to Rep 3
1096	31R2	—	67	13:59	✓	✓	Baseline
1097	—	—	67	14:00	✓	✓	to Rep 2
1098	—	—	67	14:02	✓	✓	to Rep 3
1099	31R3	—	105	14:05	✓	✓	baseline
1100	—	—	105	14:06	✓	✓	to Rep 2
1101	—	—	105	14:07	✓	✓	to Rep 3

XRF Exp 398

Site 1572

Hole A

Date Sep 15th

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1102	32 R1	SH	71	14:11	Lambert	✓	basalt
1103	—		71	14:12		✓	↳ Rep 2
1104	—		71	14:13		✓	↳ Rep 3
1105	32 R2		35	14:16			basalt
1106	—		35	14:17			↳ Rep 2
1107	—		35	14:19			↳ Rep 3
1108	32 R3		54	14:22			vesicular
1109	—		54	14:23			↳ Rep 2
1110	—		54	14:24			↳ Rep 3
1111	32 R4		55	14:27			basalt
1112	—		55	14:28		✓	↳ Rep 2
1113	—		55	14:29	↗	✓	↳ Rep 3

XRF Exp 396

Site 1572 Hole A Date Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1114	33 R1	SH	14	14:33	Camber	✓	baseline
1115	— " —		14	14:34		✓	6 Rep 2
1116	— " —		14	14:35		✓	6 Rep 3
1117	33 R2		76	14:38		✓	massive
1118	— " —		76	14:39		✓	6 Rep 2
1119	— " —		76	14:42		✓	6 Rep 3
120	33 R3		82	14:45		✓	aftered brown
1121	— " —		82	14:49		✓	6 Rep 2
1122	— " —	↓	82	14:50		✓	6 Rep 3
123	84V02	std powder	✓	14:51		✓	Standard A
1124	33 R4	SH	101	14:53		✓	a placed venticles
1125	— " —	↓	101	14:54	✓	✓	6 Rep 2
1126	— " —	↓	101	14:55	✓	✓	6 Rep 3

XRF Exp 396

A

Hole 1572Date Sept 15<sup>th</sup>Site 1572

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1127	33 R5	SH	11	14:59	Lambert	✓	Physic B3
1128	—		11	15:00		✓	60 Rep 2
1129	—		11	15:01		✓	60 Rep 3
1130	34-R1		73	15:04		✓	Vesicular filled
1131	—		73	15:06		✓	60 Rep 2
1132	—		73	15:07		✓	60 Rep 3
1133	34 R2		55	15:10		✓	phenetic massive
1134	—		55	15:12		✓	60 Rep 2
1135	—		55	15:13		✓	60 Rep 3
1136	34 R3		66	15:50		✓	boxall
1137	—		66	15:51		✓	60 Rep 2
1138	—		66	15:52		✓	60 Rep 3

XRF Exp 396Site 1572Hole ADate Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1138	34 R4	SH	19	15:55	Lambert	✓	Basalt
1139	—	✓	19	15:56			↳ Rep 2
1140	—		19	15:57			↳ Rep 3
1141	35 R1		45	16:00			basalt
1142	—		45	16:01			↳ Rep 2
1143	—		45	16:02			↳ Rep 3
1144	35 R2		80	16:05			massive
1145	—	✓	80	16:06			↳ Rep 2
1146	—	✓	80	16:07			↳ Rep 3
1147	35 R3		84	16:10			venicular
1148	—	✓	84	16:11			↳ Rep 2
1149	—	✓	84	16:12	✓		↳ Rep 3

XRF Exp 396Site 1572 Hole A Date 15 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1150	BH40-2	powder	35	16:14	lan but	✓	Standard
1151	36-R1	SH	35	16:16	✓	✓	vesicular B3
1152	—"	✓	35	16:17	✓	✓	Lo Rep 2
1153	—"	✓	35	16:18	✓	✓	Lo Rep 3
1154	36 R2	✓	38	16:21	✓	✓	basalt
1155	36 R2	✓	38	16:22	✓	✓	Lo Rep 2
1156	—"	✓	38	16:23	✓	✓	Lo Rep 3
1157	36 R3	✓	24	16:27	✓	✓	mesive
1158	—"	✓	24	16:28	✓	✓	Lo Rep 2
1159	—"	✓	24	16:29	✓	✓	Lo Rep 3
1160	37 R1	✓	6	16:32	✓	✓	vesicular
1161	—"	✓	6	16:34	✓	✓	Lo Rep 2
1162	—"	✓	6	16:35	✓	✓	Lo Rep 3

XRF Exp 376Site 1572Hole ADate Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1163	37-R2	SH	87	16:38	Lambert		vesicular
1164	—"		87	16:39			↳ Rep 1
1165	—"		87	16:40			↳ Rep 3
1166	37-R3		116	16:43			massive
1167	—"		116	16:45			↳ Rep 2
1168	—"		116	16:46			↳ Rep 3
1169	38-R1		107	16:49			massive
1170	—"		107	16:50			↳ Rep 2
1171	—"		107	16:51			↳ Rep 3
1172	38-R2		147	16:54			vesicular
1173	—"		147	16:56	✓		↳ Rep 2
1174	—"	✓	147	16:57			↳ Rep 3

**XRF Exp** 3%

**XRF Exp** 396

Site 1572

# Hole

A

Date \_\_\_\_\_

Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1175	38 R3	SH	88	16:59	Lambert	✓	basalt
1176	—"		88	17:01		✓	Lo Rep 2
1177	—"		88	17:02		✓	Lo Rep 3
1178	38 R4		17	17:04		✓	vesicular
1179	—"		17	17:06		✓	Lo Rep 2
1180	—"		17	17:07		✓	Lo Rep 3
1181	38 R1		63	17:09		✓	basalt
1182	—"		63	17:10		✓	Lo Rep 2
1183	—"		63	17:11		✓	Lo Rep 3
1184	38 R2		89	17:14		✓	basalt
1185	—"		89	17:15		✓	Lo Rep 2
1186	—"		89	17:16	✓	✓	Rep 3



XRF Exp 3036

Site 1572

Hole A

Date

Sept 15<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1187	33R3	SH	103	17:19	Lambert	✓	massive
1188	—		103	17:20			60 Rep 2
1189	—		103	17:21			60 Rep 3
1190	33R4		120	17:23			vesicular brown
1191	—		120	17:25			60 Rep 2
1192	—		120	17:27			60 Rep 3
1193	40R1		112	17:29			vesicular
1194	—		112	17:30			60 Rep 2
1195	—		112	17:32			60 Rep 3
1196	BHVO-2	BOULDER	—	17:34			Standard

\* labelled 103 / R3 / massive but is really 50 R4 ✓

XRF Exp 786Site 386572 Hole 8A Date Sept 16<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1197	40R2	SH	119	12:12	Lambert	✓	Basalt
1198	—"		119	12:13		✓	Co Rep 2
1199	—"		119	12:14		✓	Co Rep 3
1200	40R3		96	12:14		✓	Basalt
1201	—"		98	12:18		✓	Co Rep 2
1202	—"		96	12:19		✓	Co Rep 3
1203	41R1		101	12:21		✓	vesicular B
1204	—"		101	12:23		✓	Co Rep 2
1205	—"		101	12:24		✓	Co Rep 3
1206	41R2		64	12:26		✓	vesicular
1207	—"		64	12:27		✓	Co Rep 2
1208	—"		62	12:28	↓	✓	Co Rep 3

XRF Exp 396

Site 1572

Hole A

Date

Sept 16<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1209	RHVO-2	powder		12:32	Lambert	✓	Standard
1210	41R3	SH	102	12:33			Phenetic
1211	—		102	12:34			60 Rep 2
1212	—		102	12:35			60 Rep 3
1213	41R3		115	12:37			Phenetic
1214	—		115	12:38			60 Rep 2
1215	—		115	12:39			60 Rep 3
1216	42-R1		57	12:42			Vericure
1217	—		57	12:43			60 Rep 2
1218	—		57	12:46			60 Rep 3
1219	42-R2		80	12:49			masive
1220	—		80	12:50		✓	60 Rep 2
1221	—		80		✓		60 Rep 3

XRF Exp 306Site 1572Hole ADate Sept 16<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1222	42-R3	S#	20	12:55	Cambak	✓	Vericore
1223	—"		20	12:56			60 Rep 2
1224	—"		20	12:57			60 Rep 3
1225	42 R4		64	13:40			basalt
1226	—"		64	13:41			60 Rep 2
1227	—"		64	13:42			60 Rep 3
1228	43 R1		66	13:45			basalt
1229	—"		66	13:46			60 Rep 2
1230	—"		66	13:47			60 Rep 3
1231	43 R2		45	13:50			maxi
1232	—"		45	13:51			60 Rep 2
1233	—"	✓	45	13:52	✓	✓	60 Rep 3

XRF Exp 326Date Sept 16<sup>th</sup>Hole ASite 1572

Run #

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1234	43R3	SH	99	13:55	Lambert	✓	massive
1235	—		99	13:57			60 Rep 2
1236	—		99	13:58			60 Rep 3
1237	43R4		35	14:01			massive
1238	—		35	14:02			60 Rep 2
1239	—		35	14:03			60 Rep 3
1240	44R1		24	14:06			massive
1241	—		24	14:07			60 Rep 2
1242	—		24	14:08			60 Rep 3
1243	44R2		132	14:10			base flw
1244	—		132	14:12			60 Rep 2
1245	—		132	14:13		✓	60 Rep 3

XRF Exp 3%Site 1572 Hole A Date Sept 16

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1246	B+V0-2	powder	112	14:14	Carbide	✓	Standard
1247	44 R3	SH	112	14:16		✓	vesicular brown
1248	—		112	14:17		✓	40 Rep 2
1249	—		112	14:18		✓	40 Rep 3
1250	44 R4		96	14:21		✓	vesicular brown
1251	—		96	14:23		✓	40 Rep 2
1252	—		96	14:24		✓	40 Rep 3
1253	45 R1		118	14:27		✓	massive brown
1254	—		118	14:28		✓	40 Rep 2
1255	—		118	14:29		✓	40 Rep 3
1256	45 R2		42	14:32		✓	massive
1257	—		42	14:33		✓	40 Rep 2
1258	—		42	14:34		✓	40 Rep 3



XRF Exp 396Site 1072 Hole A Date Sept 6<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1259	45 R3	SH	67	14:38	ANBART	✓	massive
1260	—		67	14:39		✓	↳ Rep 2
1261	—		67	14:40		✓	↳ Rep 3
1262	45 R4		80	14:43		✓	massive
1262	—		80	14:44		✓	↳ Rep 2
1264	—		80	14:45		✓	↳ Rep 3
1265	45 R5		19	14:48		✓	vesicular
1266	—		19	14:49		✓	↳ Rep 2
1267	—		19	14:50		✓	↳ Rep 3
1268	46 R1		66	14:53		✓	massive
1269	—		66	14:54		✓	↳ Rep 2
1270	—		66	14:55		✓	↳ Rep 3

XRF Exp 3x6Site 1572Hole ADate sep 16<sup>th</sup> 14

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1271	46 R2	SH	115	14:58	LANBAR	✓	massive
1272	—	↓	115	14:59			↳ Rep 2
1273	—	↓	115	15:00			↳ Rep 3
1274	46 R3	↓	142	15:03			vesicular
1275	—	↓	142	15:04			↳ Rep 2
1276	—	↓	142	15:05			↳ Rep 3
1277	B410-2	powder	—	15:06			Standard
1278	46-R4	SH	39	15:08			vesicular
1279	—	↓	39	15:09			↳ Rep 2
1280	—	↓	39	15:10			↳ Rep 3



XRF Exp <u>356</u>							
Site <u>15721</u>		Hole <u>B</u>		Date <u>Sept 17</u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1281	30X1	S+H	50	16:40	Lambert	✓	Basaltic Andesite?
1282	—	✓	50	16:41	✓		↳ Rep 2
1283	—	✓	50	16:42			↳ Rep 3
1284	30X1	✓	7g	16:44			Basaltic And
1285	—	✓	7g	16:45			↳ Rep 2
1286	—	✓	7g	16:47			↳ Rep 3
1287	30X1	✓	10	16:49	✓		Basaltic And
1288	—	✓	10	16:50			↳ Rep 2
1289	—	✓	10	16:52			↳ Rep 3
1290	BHVO-2	Powder	—	1	✓		

XRF Exp <u>396</u>							
Site <u>1873</u>		Hole <u>A</u>		Date <u>Sept 24<sup>th</sup></u>			
Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1291	BHVO-2	powder	/	13:29	Lambert	✓	Standard
1292	10R-2	SH	40	13:31	/	/	1st basalt-
1293	— " —		40	13:33			↳ Rep 2
1294	— " —		40	13:34			↳ Rep 3
1295	10-R4		71	13:37			fine vesicles
1296	— " —		71	13:39			↳ Rep 2
1297	— " —		71	13:40			↳ Rep 3
1298	10-R4		107	13:42			fine vesicles
1299	— " —		107	13:44			↳ Rep 2
1300	— " —		107	13:45			↳ Rep 3
1301	10-R5		11	13:49			base flow
1302	— " —		11	13:50		✓	↳ Rep 2
1303	10-R5					✓	23 Rep 2

XRF Exp 396Hole ADate Sept 26<sup>th</sup>Site 1573

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1304	10R5	S#	55	13:54	Lambert	✓	Ash bed
1305	"		55	13:55		✓	↳ Rep 2
1306	"		55	13:56		✓	↳ Rep 3
1307	11R-1		55	14:00		✓	2nd flow
1308	"		55	14:01		✓	↳ Rep 2
1309	"		55	14:02		✓	↳ Rep 3
1310	11R-1		127	14:04		✓	2nd flow
1311	"		127	14:05		✓	↳ Rep 2
1312	"		127	14:06		✓	↳ Rep 3
1313	11R2		39	14:10		✓	massive
1314	"		39	14:11		✓	↳ Rep 2
1315	"		39	14:12		✓	↳ Rep 3
1316	12R1	✓	99	14:15	✓	✓	massive

XRF Exp 326Site 1573Hole ADate Sept 24<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1316	12 R1	SH	99	14:16	LANDART	✓	↳ Rep 2 (massive)
1317	—		99	14:17		✓	↳ Rep 3
1318	12 R2		3	14:22			base flow
1319	—		3	14:23			↳ Rep 2
1320	—		3	14:25			↳ Rep 3
1321	12 R3		15	14:28			3rd flow
1322	—		15	14:29			↳ Rep 2
1323	—		15	14:30			↳ Rep 3
1324	13 R1		29	14:33			Light gray
1325	—		29	14:34			↳ Rep 2
1326	—		29	14:35			↳ Rep 3
1327	13 R1		134	14:37			Basalt
1328	—	✓	134	14:38	✓	✓	↳ Rep 2



XRF Exp 396Site 1573Hole ADate Sept 24<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1329	13 R1	SH	134	14:39	LANBART	✓	↳ Rep 3 (baseline)
1330	13 R1		135	14:41			dike
1331	—		135	14:43			↳ Rep 2
1332	—		135	14:44			↳ Rep 3
1333	BHV02	powder	—	14:46			Standard
1334	13 R2	SH	48	14:47			massive
1335	—		48	14:49			↳ Rep 2
1336	—		48	14:50			↳ Rep 3
1337	13 R3		86	14:53			massive
1338	—		86	14:54			↳ Rep 2
1339	—		86	14:55			↳ Rep 3
1340	13 R4		39	14:58			massive
1341	—		39	14:59		✓	↳ Rep 2
1342	—		39	15:00	→	✓	↳ Rep 3

# XRF Exp

Date \_\_\_\_\_

327105

32725

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1343	BHV0-2	Powder <del>SHLF</del>	✓	15:02	LAMBART	✓	Standard
1344	13 R5	SH	6	15:36			Basalt
1345	—	SH	6	15:37			↳ Rep 2
1346	—	SH	6	15:38			↳ Rep 3
1347	14 R1		36	15:42			massive grey
1348	—		36	15:43			↳ Rep 2
1349	—		36	15:45			↳ Rep 3
1350	14 R2		77	15:48			Grey B
1351	—		77	15:49			↳ Rep 2
1352	—		77	15:51			↳ Rep 3
1353	15 R1		19	15:53			dark B
1354	—		19	15:54			↳ Rep 2
1355	—		19	15:55			↳ Rep 3

XRF Exp 306Site 1573 Hole A Date 24 Sept

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1356	15R1	SH	53	15:58	LAMBART	✓	After Chilled margin
1357	—		53	15:59		✓	↳ Rep 2
1358	—		53	16:00		✓	↳ Rep 3
1359	15-R1		53	16:02		✓	Phaneroitic
1360	—		93	16:03		✓	↳ Rep 2
1361	—		93	16:04		✓	↳ Rep 3
1362	15-R1		134	16:06		✓	(Plystone) or B
1363	—		134	16:07		✓	↳ Rep 2
1364	15R2		36	16:10		✓	new pluv.
1365	—		36	16:11		✓	↳ Rep 2
1366	—		36	16:13		✓	↳ Rep 3
1367	15R2		88	16:15		✓	Round empty vessels
1368	—		88	16:17	↘	✓	↳ Rep 2



XRF Exp 396Site 1573 Hole A Date Sept 24th

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1369	15 R2	SH	88	16:18	LATONAT	✓	Round empty vericles - Rep 3
1370	15 R2		142	16:22		✓	Chilled margin
1371	"		142	16:23		✓	4 Rep 2
1372	"		16	16:28		✓	4 Rep 3
1373	15 R3		16	16:28		✓	vericular B
1374	"		16	16:30		✓	4 Rep 2
1375	"		71	16:35		✓	4 Rep 3
1376	16 R1		71	16:36		✓	non vericular
1377	"		71	16:37		✓	4 Rep 2
1378	"		47	16:40		✓	4 Rep 3
1379	17 R1		47	16:42		✓	Night sky
1380	"		47	16:43		✓	4 Rep 2
1381	"		47			✓	4 Rep 3



XRF Exp 396Site 1573 Hole A Date Sept 26<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1382	17 R1	SH	72	16:45	LANOBA	✓	massive B
1383	—	SH	72	16:47		✓	Lo Rep 2
1384	—	SH	72	16:48		✓	Lo Rep 3
1385	BHV0-2	powder	—	16:49		✓	Standard
1386	17 R2	SH	17	18:15		✓	massive
1387	—		17	18:16		✓	Lo Rep 2
1388	—		17	18:17		✓	Lo Rep 3
1389	17 R2		100	18:20		✓	pipe vermic
1390	—		100	18:21		✓	Lo Rep 2
1391	—		100	18:22		✓	Lo Rep 3
1392	18 R2		17	18:27		✓	aphyllitic B
1393	—		17	18:28		✓	Lo Rep 2
1394	—		17	18:29		✓	Lo Rep 3

XRF Exp 396Site 1573 Hole A Date Sept 24<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1395	18R-2	SH	78	18:31	LATIBART	✓	aphy R. i. B
1396	—		78	18:32		✓	Lo Rep 2
1397	—		78	18:33		✓	Lo Rep 3
1398	18R2		135	18:35		✓	aphy R. i. B
1399	—		135	18:36		✓	Lo Rep 2
1400	—		135	18:37		✓	Lo Rep 3
1401	19R1		50	18:40		✓	Lo Rep 3
1402	—		50	18:41		✓	Lo Rep 2
1403	—		50	18:42		✓	Lo Rep 3
1404	19R1		37	18:44		✓	aphy R. i. B
1405	—		37	18:45		✓	Lo Rep 2
1406	—	↓	37	18:46		✓	Lo Rep 3
1407	BT402	powder	✓	18:48	✓	✓	Standard

Happ, Biehl day Steve!

XRF Exp 306

Site 1574 Hole A Date Sept 29<sup>th</sup>

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1408	15-R1	SH	16	16:45	LAMBDA	✓	hydrochlorite
1409	"		16	16:45			↳ Rep 2
1410	"		16	16:46			↳ Rep 3
1411	15 R1		100	16:48			basalt
1412	"		100	16:49			↳ Rep 2
1413	"		100	16:50			↳ Rep 3
1414	15 R1		123	16:52			sparsely plg phreic
1415	"		123	16:53			↳ Rep 2
1416	"		123	16:54			↳ Rep 3
1417	BAND 2	standard peak		16:56			Standard
1418	15 R2	SH	117	16:58			Interhydrochlorite B
1419	"		117	16:59			↳ Rep 2
1420	"		117	17:00			↳ Rep 3



XRF Exp 396Date Sept 29<sup>th</sup>Hole ASite 1576

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1421	19 R3	SH	36	17:03	LADBAKT	✓	Basalt
1422	"		36	17:04			↳ Rep 2
1423	"		36	17:06			↳ Rep 3
1424	20 R1		41	17:15			↳ Rep A
1425	"		41	17:16			↳ Rep 2
1426	"		41	17:18			↳ Rep 3
1427	20 R2		56	17:20			↳ Rep B
1428	"		56	17:22			↳ Rep 2
1429	"		56	17:23			↳ Rep 3
1430	21 R1		70	17:25			massive
1431	"		70	17:33			↳ Rep 2
1432	"		70	17:36			↳ Rep 3
1433	21 R2	↓	36	17:39	↓	✓	Basalt

XRF Exp 396Date Sept 29<sup>th</sup>Site 1574Hole A

Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1434	21 R2	SH	36	17:41	LATIBART	✓	↳ Rep 2
1435	—		36	17:42			↳ Rep 3
1436	21 R3		48	18:12			basalt
1437	—		48	18:13			↳ Rep 2
1438	—		48	18:14			↳ Rep 3
1439	22 R1		118	18:18			Basalt
1440	—		118	18:19			↳ Rep 2
1441	—		118	18:20			↳ Rep 3
1442	22 R2		55	18:23			basalt
1443	—		55	18:24			↳ Rep 2
1444	—		55	18:25			↳ Rep 3
1445	22 R3		92	18:26			basalt
1446	—		92	19:31			↳ Rep 2
1447	—		92	19:32		✓	↳ Rep 3

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1448	22 R4	S#	88	19:35	CANDART	✓	pillow lava
1449	—	—	88	19:36	—	—	↳ Rep 2
1450	—	—	88	19:37	—	—	↳ Rep 3
1451	23 R1	—	69	19:40	—	—	pillow
1452	—	—	69	19:41	—	—	↳ Rep 2
1453	—	—	69	19:42	—	—	↳ Rep 3
1454	23 R2	—	57	19:46	—	—	p. flow
1455	—	—	57	19:47	—	—	↳ Rep 2
1456	—	—	57	19:49	—	—	↳ Rep 3
1457	23 R3	—	53	19:51	—	—	altered p. flow
1458	—	—	53	19:52	—	—	↳ Rep 2
1459	—	—	53	19:54	—	—	↳ Rep 3
1460	24 R1	—	80	19:56	—	—	p. flow
1461	—	—	80	19:57	—	—	↳ Rep 2



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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1462	24R1	SH	80	19:59	LAMBART	<input checked="" type="checkbox"/>	↳ Rep 3
1463	BHVO-2	powder	—	20:00			Standard
1464	24R2	SH	78	20:03			pillow
1465	—		78	20:04			↳ Rep 2
1466	—		78	20:08			↳ Rep 3
1467	24R3		143	20:11			small pillow
1468	—		143	20:12			↳ Rep 2
1469	—		143	20:13			↳ Rep 3
1470	24R4		75	20:16			massive
1471	—		75	20:17			↳ Rep 2
1472	—		75	20:18			↳ Rep 3
1473	25R1		50	20:21			vesicular
1474	—		50	20:22			↳ Rep 2
1475	—		50	20:23			↳ Rep 3

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1476	25-R2	SH	52	20:26	LAMBERT	✓	vesicular wet
<del>1477</del>	<del>25-R2</del>	<del>SH</del>	<del>52</del>	<del>20:26</del>	<del>LAMBERT</del>	<del>✓</del>	<del>vesicular wet</del>
<del>1478</del>	<del>25-R2</del>	<del>SH</del>	<del>52</del>	<del>20:26</del>	<del>LAMBERT</del>	<del>✓</del>	<del>vesicular wet</del>
1479	25-R3	SH	3	20:30		✓	vesicular
1478	—		3	20:30		✓	↳ Rep 2
1475	—		3	20:32		✓	↳ Rep 3
1480	26-R1		103	20:34		✓	phaneritic
1481	—		103	20:35		✓	↳ Rep 2
1482	—		103	20:36		✓	↳ Rep 3
1483	27-R1		10	20:39		✓	phaneritic
1484	—		10	20:41		✓	↳ Rep 2
1485	—		10	20:43		✓	↳ Rep 3
1486	27-R2		54	20:44		✓	massive



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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1488	27 R2	S H	54	20:48	LANBAAT	✓	↳ Rep 2
1489	—		54	20:49		✓	↳ Rep 3
1490	27 R3		55	20:53		✓	massive
1491	—		55	20:54		✓	↳ Rep 2
1492	—		55	20:55		✓	↳ Rep 3
1493	27 R4		31	20:58		✓	massive and
1494	—		31	20:59		✓	↳ Rep 2
1495	—		31	21:00		✓	↳ Rep 3
1496	28-R1		85	21:04		✓	massive
1497	—		85	21:13		✓	↳ Rep 2
1498	—		85	21:14		✓	↳ Rep 3
1499	28 R2		49	21:17		✓	massive
1500	—		49	21:19		✓	↳ Rep 2
1501	—		49	21:20		✓	↳ Rep 3

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1501	28 R3	SH	40	21:24	LANBART	✓	massive
1502	"	↓	40	21:25			↳ Rep 2
1503	"	↓	40	21:26			↳ Rep 3
1504	29 R1	SH	81	21:30			massive aphyritic
1505	"	↓	81	21:31			↳ Rep 2
1506	"	↓	81	21:32			↳ Rep 3
1507	29 R2		50	21:36			Bot hyalo vein
1508	"	↓	50	21:37			↳ Rep 2
1509	"	↓	50	21:38			↳ Rep 3
1510	29 R3		102	21:41			base pillow
1511	"		102	21:42			↳ Rep 2
1512	"	↓	102	21:44			↳ Rep 3
1513	BH002	powder	—	21:47	✓	✓	Standard

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1514	35 R1	SH	128	21:48	LADISART	✓	p'low
1515	—		128	21:49			↳ Rep 2
1516	—		128	21:50			↳ Rep 3
1517	35 R2		99	21:54			p'low
1518	—		99	21:55			↳ Rep 2
1519	—		99	21:56			↳ Rep 3
1520	35 R3		44	22:01			basalt
1521	—		44	22:02			↳ Rep 2
1522	—		44	22:03			↳ Rep 3
1523	35 R4		74	22:07			basalt
1524	—		74	22:08			↳ Rep 2
1525	—		74	22:10			↳ Rep 3
1526	36 R1		62	22:12		✓	p'low



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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1527	36R1	SH	62	22:13	LARSEN	<input checked="" type="checkbox"/>	↳ pillow - Rep 2
1528	—		62	22:14		<input checked="" type="checkbox"/>	↳ Rep 3
1529	36R2		53	22:17		<input checked="" type="checkbox"/>	muscle
1530	—		53	22:18		<input checked="" type="checkbox"/>	↳ Rep 2
1531	—		53	22:20		<input checked="" type="checkbox"/>	↳ Rep 3
1532	36R3		117	22:22		<input checked="" type="checkbox"/>	aply ric
1533	—		117	22:23		<input checked="" type="checkbox"/>	↳ Rep 2
1534	—		117	22:25		<input checked="" type="checkbox"/>	↳ Rep 3
1535	37R1		32	22:27		<input checked="" type="checkbox"/>	base pillow
1536	—		32	22:29		<input checked="" type="checkbox"/>	↳ Rep 2
1537	—		32	22:30		<input checked="" type="checkbox"/>	↳ Rep 3
1538	37R1		106	22:32		<input checked="" type="checkbox"/>	Next pillow
1539	—		106	22:34		<input checked="" type="checkbox"/>	↳ Rep 2

core change 117 for 32 was applied  
check that x ✓  
Applied

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Run #	Core/Section	Measurement Type (S/H, Powder, Bead)?	Offset (SHLF Only)	Time (UTC)	Operator	Exported?	Comments
1520	37 R1	SH	106	22:35	LAMBART	✓	40 Rep 3
1521	37 R2		66	22:38			basalt
1522	—		66	22:39			40 Rep 2
1523	—		66	22:40			40 Rep 3
1524	37 R3		71	22:43			pillow
1525	—		71	22:44			40 Rep 2
1526	—		71	22:45			40 Rep 3
1527	37 R4		90	22:48			pillow
1528	—		90	22:49			40 Rep 2
1529	—		90	22:50			40 Rep 3
1530	38 R1		64	22:52			pillow
1531	—		64	22:54			40 Rep 2
1532	—		64	22:55			40 Rep 3
1533	Standard		✓	22:57		✓	Standard

other side

Rv#	Core/Section	SH/panda	offset	Time	Operator	Reported	Comments
1554	30R2	SH	118	22:58	He :-) whoobe? :-)	✓	p.110w
1555	—"	SH	118	22:59			↳ Rep2
1556	—"	SH	118	23:00			↳ Rep3
1557	30R3	SH	90	23:03			Last 4 Jessica :-)
1558	—"	SH	90	23:04			↳ Rep2
1559	—"	SH	90	23:05			↳ Rep3

Complete!!!!

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#1559 analyses!!!