

FIELD BOOK

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Swiss Camp pit # 1

5 May 2005

15:45 GMT

file SWISS 1

Ref 0.000 - 0.009

0-

1st column

1st position: 2 spectra

7th hole double 1st meas.

.044 - .053 reference

.096 - .095 ref.

2nd column

2 spectra @ 15th shot 6th hole +
0.02 2nd shot 15th hole

1.130 - ~~1.130~~ Ref
- 1.140

4th col.

2 spec 1st pt of 8th hole

1.173, 4, 5, 6 - no yes?

1.177 - 1.186 ref.

1.219 - 1.227 ref.

1.261 - 1.270 ref.

1.303 - 1.212 ref.

1.343 - 1.352 ref.

1.385 - 1.394 ref.

see photo

10th column → last column

1st whole open

1.423 - 1.432 ref

1.461 - 1.470 ref

1.499 - 1.508 ref.

13th Col.

2 species - 2nd meas. 115th hole
1.540 - 1.549 ref. hole

Last 2 bogus

15 holes over 88 cm

16 holes over 94 cm ref.

14 holes over 172 cm horiz.

Surf face slope
hole slope low side

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990</th

Swiss Camp Pit #1 cont.

May 6, 2005

200:00' GMT

Ref. 0.000 - 0.009

Wt (down)

1st & 2nd hole 2 meas on
1st shoot

ref 0.040 - 0.049

ref 0.080 - 0.089
0.090 bulk

ref 0.121 - .130

ref 0.160 - .169

ref 0.200 - 0.209

ref .240 -.249

ref .278 -.287

ref ,318 -,327

ref ,358 -,367

.376 & .377 bulk

ref ,400 -,409

ref ,410 -,419

ref ,472 -,491

ref ,524 - .533

Total Depth left side = 178 cm

11 11

PF II = 179 cm

Sat 1 PI 8 May 05

20:48 6 M/T

New snow last night

Clear skies - No small clouds on horizon to the west + south.

Total depth = 133 cm small cutter

Depth	P(g)	Depth (m)	Depth	g _{rad} s, 20°C mm	Class	
13-12	246	130	-9.2	136-134	0.2	New
13-13	230	120	-9.1	134-127	0.2	R last night?
13-13	251	110	-9.2	122-116	0.2	R softer
13-93	251	100	-9.5	116-112	0.2	R very hard
93-83	266	90	-9.6	112-98	0.4	R soft
83-F3	261	80	-9.7	98-96	1.0	R refined
93-63	266	70	-9.8	96-83	0.8	R/ice
63-53	266	60	-9.8	83-75	0.2	R very hard
53-43	270	50	-9.7	45-39	0.5	R/F granular
43-33	259	40	-9.5	39-23	2.0	F
33-23	237	30	-9.4	23-12	1.0	F
23-13	263	20	-9.3	12-0	3.0	F
13-3	257	10	-9.4			
10-0	257	0*	-9.4			

+ ice

Surface T +10.8

21:32 GMT

Smart 2 Pit
May 9, 2005 21:15 GMT
Total Depth = 151

Depth	Temp	Depth	
151-141	238	-12.6	22:00 GMT
141-131	234	-11.8	150
131-121	245	-10.2	140
121-111		-9.7	130 mixed ice no C
111-101	262	-9.6	120
101-91	254	-9.5	140
85-75	257	-9.4	100 ice
75-65	263	-10.1	90 brwd ice lenses
65-55	261	-9.6	80
55-45	262	-9.4	70
45-35	261	-9.9	60
35-25	257	-9.4	50
25-15	259	-9.3	450
15-0	266	-9.4	30
0-0	-9.3	20	ice undulation + 0.5
	-9.4	10	C.
	-9.3	0	ice / snow interface

Smart 2 stratigraph		
May 9	05	22.00 cm
depth	class	size
151-125	N/R	0.2
125-120	Petrogreen Angular	0.7
120-119	ice	
119-112	Petrogreen Angular	0.5
112-109	ice	
109-95	R	0.3
95-79	ice	
79-52	R	0.3
52-0	F	0.7

Smart 3 pit

13 May 2005 18:25 GMT?

Total Depth = 85 cm

Hazy thin clouds - shadows

Horizon clear 360°

Light wind from NW

Pit is about 20 m S of SW53

in swale of hummock

Depth	C/g/A	Temp	Depth-Temp	freezing class	Depth
0-10	892	-4.24	0	0.1/0.4	N/R 0-11
10-20	955	-2.2	10	0.3	R/A 11-23
20-30	1024	-4.3	20	0.6	Refrozen 23-25
□ □	-5	30		0.3	R/A 25-33
□ □	-5.6	40			ice 33-39
□	-6.0	50		0.5	R 39-46
□	-6.4	60			ice 46-52
□	-6.7	70		0.8	Refrozen 52-56
□	-7.2	80			ice 56-62
□	-7.4	85		0.5 R	62-70
★ Need				2.0	F* 70-85

A = angular

★ = some liquid previously present.

D = ice preferred sample collection

Δ = 19:10 east

Jar 2 pt

18 May 2005

16:15 CDT

Depth	E	Temp	Total Depth = 80 cm	Temp	Depth
0-10	959	0		-3.8	30
10-20	1092	-3.4		-4.2	40
20-30	1084	-4.2		-4.2	80 ice water

Ice leaves 1 cm thick @
25, 14, 12, [8-1 cm], 4, 2 cm
~~24~~
2 cm thick.

Swath of hummock's create
variability here. This spot
is b/w hummock surface and
ridge & mean conditions

Swiss Camp PH 2

16 May 2005

4:04 (cont)

ref	0.000 - 0.008
red	0.041 - 0.080
ref	0.143 - 0.152
red	0.215 - 0.214
ref	0.287 - 0.296
ref	0.359 - 0.368
ref	0.431 - 0.440
ref	0.501 - 0.510
ref	0.571 - 0.580
ref	0.641 - 0.650
ref	0.711 - 0.720
ref	0.779 - 0.788
ref	0.845 - 0.854
ref	0.911 - 0.920

Swiss camp pH #2

Sast rugi angles

17 May 200F 3:00 Gmt

LT RT

hole	angle	dir	high side
1	2°	RT	RT
2	3°	RT	
3	2°	RT	
4	2°	4	
5	0		
6	0		
7	0		
8	0		
9	0		
10	0		
11	0		
12	0		
13	1°	LT	
14	9°	LT	

swiss camp

16 May 2005

Pit #2

41°40' GMT

Depth (m) Temp °C

180 -3.4

170 -4.3

160 -5.0

150 -5.0

140 -5.7

130 -5.7

120 -5.9

110 -5.9

100 -6.1

90 -6.2

80 -5.9

70 -5.8

60 -6.3

50 -6.2

46 -6.2

30 -6.3

20 -6.2

10 -6.4 beneath at ice

ice - no measurement

Swiss Camp Pit #2
Density

Depth C	Depth	Class	Size
180-170	1144	180-550	VCF 0.3
170-160	1165	{ 80-121	K 0.3
160-150	1093	121-62	L 0.3
150-140	1085	62-25	H/F 0.8
140-130	1122	25-13	K/F 1.2
130-120	1171	13-8	F 41.0
120-110	1208	8-0	AIF
110-100	1187		
100-90	1185		
90-80	1173		
80-70	1190		1D
70-60	1155		
60-50	1124		
50-40	1142		
40-30	1168		
30-20	1134		
20-10	X	Cakes @ 17cm	
0-0	<	all ice	
		ice prevented	
		Sample	