

BS

SURVEY DATA

Please copy up ALL your survey data into this book, clearly labeling what it is and where the corresponding drawings are.

Compass and Clino Calibrations

14/7/96

SET 1	Compass 342544 Clino 406556	Compass +0.5° Clino -0.5°	
SET 2	Compass 319123 Clino 226529	Compass -0.5° Clino 0	clino bugged 27.2.96
SET 3 (new this year)	Compass 612251 Clino 607371	Compass +0.5° Clino 0	
SET 4 (SISTECO) (not very good)	Compass 8101.0 Clino 844127	Compass +2.0° Clino 0	

Add these values to every leg to get the corrected values.

Compass corrections assume magnetic bearing from Verdelluenga bolt to Old Top Camp bolt is 291.5°
this needs checking against Proc. 13.

$$\Delta Z = \text{Tape} * \sin(\text{clino})$$

$$\Delta EE = \text{Tape} * \cos(\text{clino})$$

$$\Delta X = \Delta EE * \sin(\text{compass})$$

$$\Delta Y = \Delta EE * \cos(\text{compass})$$

Note: Torca del Vasco section A & C4 sections CKE are in front of log book

14/7

SURFACE SURVEY: SNOW POLE TO GIZ
COMPASS/CLINO SET 3

OLLY & ALEX

(39)

FROM	TO	TAPE	COMPASS	CLINO	+0.5° CORRECTED COMPASS	+0° CORRECTED CLINO
2	1	30.00	288°	-5.5°	288.5°	-5.5°
2	3	26.30	160.5°	-2.0°	161°	-2.0°
4	3	28.27	330°	+9.5°	330.5°	+9.5°
4	5	29.75	117.5°	-9.5°	118°	-9.5°
6	5	30.06	283°	+11.5°	283.5°	+11.5°
6	7	26.17	110.5°	+12°	111°	+12°
8	7	24.44	309°	-34°	309.5°	-34°
8	8a	10.72	197°	-1°	197.5°	-1°
8	9	28.81	122°	+18°	122.5°	+18°
10	9	25.55	317°	-30°	317.5°	-30°
10	11	7.08	194.5°	-26°	195°	-26°
12	11	14.67	350°	-15°	350.5°	-15°
12	13	30.68	038°	-16.5°	038.5°	-16.5°
14	13	30.30	237°	+9°	237.5°	+9°
14a	14	29.17	174.5°	+7.5°	175°	+7.5°
14b	14b	29.70	353.5°	-23°	354°	-23°
14c	14b	30.28	168.5°	+8°	169°	+8°
14c	14d	30.05	337.5°	-10°	338°	-10°
15	14	30.49	198°	+9°	198.5°	+9°
15	16	30.43	072°	-24.5°	072.5°	-24.5°
17	16	24.35	232°	+16.5°	232.5°	+16.5°
17	18	30.10	2028°	-18°	028.5°	-18°
19	18	28.86	284°	-17°	284.5°	-17°
19	20	22.14	049°	+3°	049.5°	+3°
21	20	12.23	313°	-4.5°	313.5°	-4.5°

NOTES

1: SNOW POLE

8a: TAG ON F71

11: CIRCLE ON F53

14: CAIRN BY BIG SNOW PILE

17: 1.5m ABOVE MARKING FOR E7

21: F85/GIZ TAG,

15/7
 (B10)

Surface Survey from E12 to E6 to E1 Regellon
 compass/clino set 2

John & Anita.

-0.5°

0

From	To	TAPE TAPE	COMPASS	CLINO	CORRECTED COMPASS	CORRECTED CLINO
2	1a	29.32	207	+26	206.5	+26
2	1b	25.90	205	+25.5	204.5	+25.5
2	3	30.02	025.5	-25	25	-25
4	3	5.70	194.5	+22	194	+22
4	5	5.86	055.5	-36	55	-36
5	5a	1.20	—	down	—	down
6	5	24.20	314	-21.5	313.5	-21.5
6	7	20.10	118.5	+19.5	118	+19.5
8	7	27.07	292	-19	291.5	-19
8	9	29.15	098	+15.5	097.5	+15.5
10	9	17.86	257	+1	256.5	+1
10	11	24.89	162.5	+33	162	+33
12	11	24.88	300	-32.5	299.5	-32.5
12	13	24.50	119.5	+29	119	+29
14	13	28.74	257.5	-22	257	-22
15	14	11.50	265.5	-25	265	-25
15	16	13.82	052	+9	51.5	+9

Station 1b is 'F85' toy on E12

Station 1a is Cairn above E12

Station 5a is ⊗ on E6 inscription

Station 16 is peak of E1 regellon.

C4 15.7.96 Section A

instruments M.P.
 tape O.J.H.
 book T.C.G.

Ⓢ = 'permanent' survey station
 Probably Set 3

best mark
 at start of
 rift, Ⓢ

Station	L	R	u	D	distance	mag. bearing	vert. angle
1	0	1.12	1	1.6			
↙					2.91	079°	-2°
2	0.4	0	?	1.5			
↙					3.87	078°	+6°
3	0.35	0	0.25	2			
↙					1.52	046°	+7°
4	0	0.4	0.8	0.3			
↙					6.13	055°	-8°
5	0	0.2	↑	1			
↙					2.10	061.5	+8
6	0	0.4	1.5	0.6			
↙					9.23	094	-53
7	0.4	0.5	S?	S?			
↙					2.86	074.5	-73
best 8	0.5	0	10?	6.86			
↓					6.86	-	↓
9	3	1.5	7	0			
↑					6.40	211	-9
10	0	2.3	10+	1.4			
↙					11.37	102	+2
11	1.7	0	10+	1.4			
↙					11.95	195.5	+3
12	0	2.6	10+	1.5			
↙					7.40	241	+4
13	0.8	1.2	10+	0			
↙					6.19	282	-31
14	1.5	0	1	0.4			

B12

Station	L	R	u	D	distance	mag. bearing	vert. angle
10							
↓					6.87	234	+31
15	0.8	1.5	5	0			
↑					10.19	54.5	+14
16	0	1.6	8?	2			
11							
↓					3.79	64.5	-26
17	0.7	0	0.8	2.2			
↓					2.72	356	-48
18	0	2	1.5	12			
↓					11.86	-	↓
19	2.5	1.7	15+	0			
↓					8.85	196.5	-31
20	2.8	2.5	5	♀			
↓					7.23	096.5	-14
21	0.5	0.8	3.5	0			

Rock at base of "As admitted" (S)

C4

16/7/96

Section B

Instruments / Tape
Book

Nobby
Alex

Instrument set 3

Station	L	R	U	D	Tape	Compass	Cling
A19 = 1	2	2	↑	0			
↓					1.55	072.5	+09
2	0	1	↑	0			
↓					0.75	031	-43
3	0.5	0	↑	↓			
↓					2.12		-90
4	0.2	2	↑	0			
↑					4.80	189	-47
5	4	1	↑	$\frac{1.6}{3}$			
↓					9.79	253.5	-22.5
5A	4	2	↑	1.3			
<hr/>							
5	4	1	↑	$\frac{1.6}{3}$			
↓					14.00	328.5	+ +14
6	3	0	↑	$\frac{1.5}{5}$			
↑					4.31	061.5	-04
7	4	1	↑	1.6			
↓					13.55	278	-39
8	3	1.5	↑	1.2			
<hr/>							
7	4	1	↑	1.6			
↓					7.48	061	-39
9	0	1	↑	↓			
↓					0.81	081	+18
10	0	1	↑	↓			
↓					19.14		-90
11	0	5	↑	$\frac{0}{3}$			

Beside pool below inlet

20/3/14

Station	L	R	U	D	Tape	Compass	Climo
11	0	5	↑	0/3			
↑					6.89	282.5	+12
12	1.5	1.5	3	↓			
↓					6.25	—	-90
13	2	2	↑	0			
↑					2.27	280	-33.5
14	1.5	3	↑	0/2			
↓					1.60	108	-11
15	2.5	1	2	↓			
↓					4.34	151	-67
16	0/2	0	↑	1.5			
↑					5.62	228	-13.5
17	5	0	0/4	2			
↓					2.75	299	-31
18	0	5	4	2			

1st bolt of traverse
line for monster part I

C4 Resurvey of top section

19.7.96

book - Pauline

Instruments - Alex (Set 2)

Tape and new ideas for measuring pitches - Noboy.

Station	L	R	u	D	Tape	compass	dino	
1	4.3	0	⁴ / _{sky}	1.2				cave tag
↑					2.21	093.5	+13	
2	3	1.5	"	1				
↑					12.25	202°	+62	
3	0.4	0.95	5	0				
↑					3.27	198.5°	+32	
4	0.065	0	0.7	1.7				
↑					2.79	122°	+59.5	
5	0	1.2	4.5	0.9				window
↑					2.70	065.5	+64	
6	0	0.8	1.1	pitch				Ⓛ bolt
↓					15.30	-	↓	
7	0.15	1.68	pitch	1.5				big rock at base
↑					5.54	327.5	-25.5	
8	0	1.2	pitch	1.5				
7								
↑					4.55	147.5	+60	
9	1.1	0.28	5	pitch 0.95				
↓					13.1	-	↓	
10	W 0 E 1.7	N S.24	pitch	0.2				
↑					7.20	178	-22.5	
11	1.8	0	1.03	1.4				
↑↓					8.20	206.5	-25	into an inlet
12	0	0.8	2	2				
↑					2.15	061°	+38	
13	0	0.95	1.5	1.8				

B16

Station	L	R	U	D	Tape	Compass	Uins	
11								
↓					7.20	355.5°	-5	
14	0	4	10	3.3				
↑					6.25	245°	-24	
15	1.5	0	10.75	1.4				
↓					10.95	060°	-41.5	
16	2	5	?	pitch				'parnts beat'
↓					6.75	055.5	-48	
17	S = 4.05 SE = 4.3			1.85				top b/wt on 'space'
↑					4.03	105	+63	
18	wall behind = 2.2		10+	pitch				
↓					36.04	-	↓	
19								Centre of chamber

survey legs ~~from~~ ^{to} station 19 ~~to~~ ^{from} walls. (~~last bearings~~)

20					6.35	009	
21					7.1	057.5	
22					3.65 3.65	112	
23					3.55	302.5	

19								
↑					7.90	256	-60.5	
24	2.7	1.3	10.73	1.5				Alex's nose
↓					2.66	059.5	-12.75	
25	0	1.15	0.8	1.68				PSS b/wt.

Torca del Vasco Section B 6th pitch - 11th pitch 20/7/96

Book Alex

Tape \ Instruments Olly & Jason Set 2

	Station	L	R	U	D	Tape	Compass	Climo
	A23= 1	1	0	↑	↓			
	↓					24.11	—	↓
	2	0.5	0.7	↑	0			
	↑					2.27	268.5	-3
	3	1.5/5	1	↑	0/↓			
	↓					3.80	—	↓
	4	4	0	↑	1			
	↑					4.90	251	-15
	5	1.3	1	↑	0			
	↓					6.40	102.5	+9
	6	0	0.3	0.3	1.7/↓			
	↓					1.59	120.5	-49
Bolt	7	2.5	0	↑	↓			
	↓					5.40	—	↓
	8	2	0.7	↑	0/4.5			
	↑					2.10	285	-1
	9	0.5	0	↑	1			
	↓	0.5	0	↑	1	9.92	102.5	+2.5
	10	0	0.2/0.6	1	1			
	↓					3.70	109	-22
	11	0.6	0	0.7	↓			
	↓					6.22	101	-74
	12	0	0.3/2	↑	↓			
	↑					3.70	285 85	-4.5
	12a	0	0.95	2.5	2			
	↑					2.30	135.5	-13.5
	12b	0.5	0	↑ climb	4			
	↓					5.85	264	-51.5
	12c	0	0.7	5	1.6			

B18

Station	L	R	U	D	Tape	Compass	Climo
12c	0	0.7	5	1.6			
↓					4.60	282	-18.5
12d	0.95	0	2	2			
<hr/>							
12	0	0 ³ / ₂	↑	↓			
↓					5.94	—	↓
13	0 ⁰ / _{0.8}	0.2	↑	↓			
↓					28.81	—	↓
14			↑	↓			
↓ 13					4.86	—	↓
15	0.3	2.6	↑	0			
↑					4.91	270	-22
16	1	0	2.5	1.5			
↓					6.17	105	+57
17	2.5	0	↑	1.8			
↓					3.45	195	-10
18	0 ⁰ / _{0.3}	0.7	↑	↓			
↓					8.13	114	-66.5
19	←	0	↑	↓			
↑					7.24	078	+54
19a	0	4	↑	6			
<hr/>							
19	←	0	↑	↓			
↑					5.52	183	+20
20	0	0.3	0.5	1			
↑					2.48	248	+20
21	0.6	0	0.5	1			
↑					2.67	156	+24
Bolt	2	0.3	0.5	↓			
↓					6.08	—	↓
23	0 ⁰ / _{0.7}	0 ⁰ / _{0.7}	↑	0 ⁰ / _{1.6}			

Station	L	R	U	D	Tape	Compass	Climo
23	$\frac{0.1}{0.7}$	$\frac{0}{0.7}$	↑	$\frac{0}{1.6}$			
↓					4.19	342	+74
24	0	1	↑	↓			
↑					3.62	221	+30
25	0	0.8	1	1		221	
↓					3.75	91	-14
26	0	0.5	0.4	0			
↑					2.50	305	-15
27	0.3	0	0.6	1.2			
↓					2.08	90	-25
28	0.6	0	0.5	$\frac{0.7}{1.7}$			
↓					4.09	32	-35
29	0	1	0.7	1.4			
↓					3.34	99	-26
30	0.8	0.1	0	0.2			
↓					1.66	120	+8
31	0	0.2	0.6	0.6			
↓					0.86	168	-3
32	0.5	0	0.8	0.6			
↓					2.40	92	-24
33	0.2	0.3	0.4	$\frac{0}{0.3}$			
↓ 33					2.87	123	-23
34	0	0.7	$\frac{0}{1}$	$\frac{0.5}{0.8}$			
↓					2.34	219	-41
Knot of yhang 35	0.2	0.2	1.2	↓			

(B22)

Surface survey Snow pole - Torca del Vasco

21/7/96 Instruments (SET 2) Anita & John
Book John & Anita

Station		Distance	Bearing	Climo
From	To			
2	1	23.55	170.5	+9
2	3	27.68	330.5	+3
4	3	29.88	128	-8
4	5	31.46	343	-23
6	5	10.75	144.5	+10
6	7	22.50	338	-56.5
8	7	23.82	121.5	+7
8	9	15.03	295.5	-2
10	9	27.65	169	+15
10	11	29.05	350.5	-20
12	11	31.44	183.5	+22
12	13	15.02	335	-4
14	13	30.34	159	+14
14	15	27.80	340.5	+1.5
16	15	26.00	117	+2
16	17a	8.68	299.5	-32.5
16	17b	9.00	284.5	-36

Station 1 is base of snow pole
Station 17a is centre of red dot on
Polifino marking at T del V

Station 17b is bolt on 1st pitch of Torca
del Vasco.