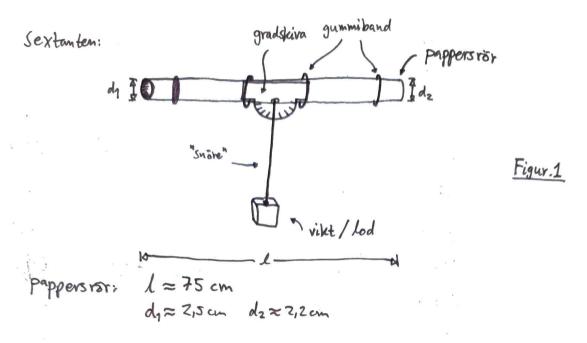
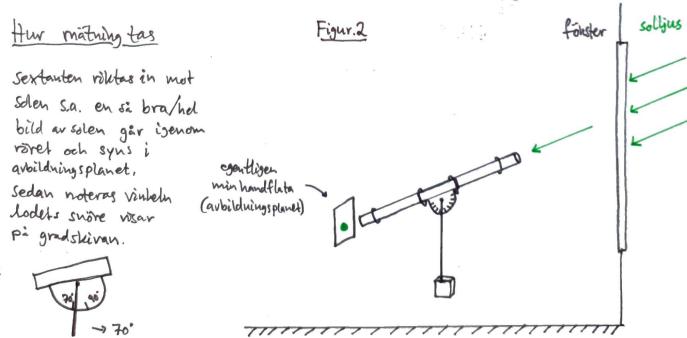
## Mätning av latitud med hemmabyggd sextant



lodet är betydligt mer mussivt in snöret - så att snöret pekar lodvitt V vinhlar på gradskivan.



ex

Tabell.1 Mat data

Plats: Doktor Forselius Backe 50, 413 26, Göteborg.

		[±0.5°]		[±0,05]	
Datum	Tid	Uppmätt Lititud	<u>d</u>	Kovrelation*	Latitud
2021-02-27	10:18	71°	57	-9,5°	61,5°
	12:00	66-67°			57°
	13: 10	67°			57,5°
2021-02-28	10:21	70°	58	-9,2°	60,8°
	11:59	66°			56,8°
	13:17	66°			56,8°
2021-03-01	08:55	78°	59	-8,8°	69,2°
	09:58	72°	100		63,2°
	10:56	68°			59,2°
115	12:11	65-66°			5 <b>6</b> ,7°
2021-03-02	09:52	72-73	60	-8,4°	64,1°
	10:56	67-68°		ve	59,1°
ю	11:59	66°			57,6°
2021-03-05	09:58	76°	63	-7,3°	62,7°
	10:58	66°			58,7°
	12:21	64-65°			57,2°
	13:11	65°		2 2	57,7°
2021-03-10.	09:08	72-73°	68	-5,3°	67,2°
	10:06	68-69°			63,2"
	12:05	62°			56,7°
	14:11	66°		,,,	60,7°

[±1min] Tid	[±0,5°] Uppmätt latitud	dag	(±0,05°) Korrelation*	Latitud
10:56	63°	72	-3,7°	59,3°
12:11	61°			57,3°
12:13	60°	76	-2,1°	57,9°
09:07	69°	79	- 0,9°	68,1°
10:13	63°			62,1°
11:52	58°			57,1°
12:56	590	-		58,1°
12:26	59°	80	-0 <sub>1</sub> 5°	57,5°
11:46	50,5°	105	+ 9,8°	59, <b>8°</b>
12:34	490			58,3°
12: 18	490	108	+10,4	59,4°
13:04	46°	233	+11,9†	57,9°
12:32	48°	234	+11,5+	59,5°
11:01	54°	235	+10,8+	64.80
12:01	490		+ 11.2	6\$.zº
13:13	48°			58.8°
11:00	54,5°	236	+10,8	65,3°
11:32	5a°		95	62,8°
12:00	.50°			60,8°
12:36	48°		4	58,8°
13:00	49°			57,80
11:00	55°	241	+9,0	
11:30	52,50			(8)
12:00	51°			
12:32	788 SEN			
	Tid  10:56 12:11 12:13 09:07 10:13 11:52 12:56 12:26 11:46 12:34 12:18 13:04 12:32 11:01 12:01 13:13 11:00 11:32 12:00 11:30 12:32	Tid         Uppmate latitud           10:56         63°           12:11         61°           12:13         60°           09:07         69°           10:13         63°           11:52         58°           12:26         58°           11:46         50,5°           12:34         49°           13:04         46°           12:32         48°           11:01         54°           12:01         49°           13:13         48°           11:00         54,5°           11:32         52°           12:36         48°           13:00         49°           11:30         52,5°           12:00         51°           12:32         50°	Tid         Uppmat latitud         deg           10:56         63°         72           12:11         61°         76           12:13         60°         76           09:07         69°         79           10:13         63°         79           10:13         63°         79           10:13         63°         80           11:52         58°         80           11:46         50,5°         105           12:34         49°         108           13:04         46°         233           12:32         48°         234           11:01         54°         235           12:01         49°         235           12:01         49°         236           11:32         54°         236           11:32         52°         236           11:30         52,5°         241           11:30         52,5°         241           12:00         51°         25°           12:00         50°         25°           12:00         50°         241	Tid         Uppmat latitud         des         korrelation*           10:56         63°         72 $-3,7^{\circ}$ 12:13         60°         76 $-2,1^{\circ}$ 09:07         69°         79 $-0,9^{\circ}$ 10:13         63°         11:52         58°           12:56         59°         80 $-0,5^{\circ}$ 12:26         58°         80 $-0,5^{\circ}$ 11:46         50,5°         105 $+9,8^{\circ}$ 12:34         49°         108 $+10,4$ 13:04         46°         233 $+11,9^{\dagger}$ 12:32         48°         234 $+11,5^{\dagger}$ 11:01         54°         235 $+10,8^{\dagger}$ 12:01         49°         235 $+10,8^{\dagger}$ 11:32         52°         236 $+10,8$ 11:32         52°         236 $+10,8$ 11:30         52,5°         241 $+9,0$ 11:30         52,5°         241 $+9,0$

<u>Datum</u>	Tid	Uppmätt ninkel
2021-09-01	12:30 13:00	50°
2821-09-03	12108	51°
2021-09-09	12100	51° 51°
2021-09-10	12:43	<b>53</b> ° (53°)
1021-09-13	12:01	55°
	12:46	54°
2021-09-24	11:02	(63° 5)
25	1	Molnigt. fordesen Händer ofta, bava förstaggn jag skriver det.
2021-09-25	11:02	63°
	12:24	60°
	13:08	59,5°
	14:21	61°
2021-09-26	11:35	61°
	12:08	60°
	12:47	59°
2021-09-28	12:22	60,5°
	12:51	60°
2021-10-12	11:57	6 <b>6</b> °
	12: 27	65°
	13:00	65°
2027-10-13	11:58	66°
	13: 14	65°

## 2021-03-03: vissa dagar är det svirt att ta mitvarden pga. molnighet. 2021-08-24 L= 750 Vinkel shillurd? Waddede po aum) proper och observerde. Ser D:

Kentall: l=d ger  $\square \Rightarrow \beta = \frac{\pi}{4} \stackrel{?}{=} atan(1) oh!$  l=2d ger  $\square \Rightarrow \beta \stackrel{?}{=} \stackrel{?}{=} atan(\frac{1}{2}) \approx 26.6^{\circ}$  oh.

 $B = arctan \left( \frac{25 mn}{750mn} \right) \approx 1.9^{\circ}$ 

testide wed unit sortant. Stimmer vil! in

Datum	Tid	Uppmatt vinhel	D
2021-10-16	12:25	670	aor
	12:59	66°,5°	
2021-10-17	11:30	68,5°	
	12:05	68°	
	12:32	68°	
	13:02	67°	3
2021-10-21	12:52	68°	
	14:13	70'	
2021-10-23	11:31	71,5°	
	12103	69,5°	
	12:31	69°	
	13:04	69°	
	13:32	70°	
2021-11-06	12:22	73°	
2021-11-12	11:35	75°	
	11:59	74°	
	moln		
2021-11-21	11:41	77°,5°	
	12:28	77,5°	æ
	12:49	78,0°	
2021-11-23	11:32	78,00	
	12:00	77,50	
	12:28	78,0°	
2021-12-05	10:35	81,5°	
	11:05	80, <b>5</b> °	

el		Datum	Tid	Uppmatt vintel
~		aoa1-12-05	11:34	80,0°
			12:00	80,0°
			12:26	80,0°
			12:54	80,5°
			• .	
	B .	`g*:		
			,	
		6		, ¥
			,	
		*		,
ip .				
			* *	
		,*		\$
		w 9	±i.	*
		2	e *	* 1
			,	
		4		,
		ī		
		ŧ		b
			,	,

2022-06-13	2022-	06 <u>-16</u> ⋈	2022-	07-06 ₪
11:50 37,6 12:00 36,6 12:10 36,6 12:20 35,6 12:30 35,6 12:40 34,6 12:50 34,6	13:10 13:10 13:20 13:30 13:40	35,00° 34,50° 34,25° 34,25° 34,50° 34,50° 34,75°	12:30 12:40 12:50 13:00 13:10 13:20 13:30 13:40	35,75° 35,50° 35,26° 35,00° 35,00° 35,00° 35,25°
13:10 34; 13:20 34; 13:30 34; 13:40 34;	50° 50° 50° <u>2022-(</u> 75°	)6-17 ⊠	13:50	35,25° 35,75°
$\frac{13:50}{(14:00)}$ $\frac{35}{3}$	00° 12:30 12:40 12:50 13:00 13:10 13:30	35,00° 34,75° 34,25° 34,25° 34,25° 34,25°	2022-03 12:45 13:00 13:15 13:30 13:48	35,50° 35,25° 35,25° 35,25° 35,50°
12:10 36, 12:20 35, 12:30 35, 12:40 34, 3	25° 15:50 50° 75° <u>2022 - (</u>	34′,50° 34′,75°	2022-05 12:15	
13:00 34,5 13:10 34,5 13:20 34,5 13:30 34,7 13:50 35,0 14:00 35,5	70° 12:30 12:40 0° 12:50 13:00 5° 13:10 0° 13:20	34,75° 34,50° 34,25° 34,25° 34,25° 34,25° 34,50°	12:30 12:45 13:00 13:15 13:30 13:45 14:00 14:15	37, 75° 37, 25° 37, 25° 37, 00° 36, 75° 37, 00° 37, 50° 38, 25°
2022-06-15		34,75°		08-01
12:00 36,7 12:10 36,0 12:20 35,0 12:30 35,0 12:40 34,7 12:50 34,7 13:00 34,7 13:20 34,7 13:30 34,7 13:45 34,7	12:42 100° 12:54 13:05 13:15 15° 14:04 25° 14:04	35, <b>25°</b> 35, <b>25°</b> 34,75° 34,75° 34,75° 35,75°	12:00 12:18 12:33 12:44 13:00 13:15 13:45 14:02 14:15	42,25° 41,25° 40,50° 40,25° 39,75° 39,75° 40,00° 40,50° 40,75°