

Calibration analysis event number	Time period for analysis		File name	Direction of loading (degrees to)	Loaded face(s)	Ice thickness	Average temperature for 72 hours leading up to event	Extensometer Calibration Factor [MN/mm] (R ² value)		Strain Gauge Calibration factor [kN/microstrain] (R ² value)					
	Start	End						N-S	E-W	N1	N2	N3	E1	E2	E3
0	25-Mar-86 09:44:10	25-Mar-86 13:39:13	D603250904*	200	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-6.86 (0.813)	-1.33 (0.262)	N/A	-21.42 (0.966)	-15.03 (0.959)	N/A	-18.76 (0.912)	N/A
1	25-Mar-86 08:30:39	25-Mar-86 09:44:13	F603250801	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-8.24 (0.980)			-21.53 (0.966)	-14.52 (0.943)			
1A	25-Mar-86 08:31:00	25-Mar-86 08:40:00	F603250801	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-7.07 (0.991)			-19.19 (0.977)	-13.98 (0.989)			
1B	25-Mar-86 08:42:00	25-Mar-86 08:50:00	F603250801	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-9.26 (0.972)			-24.01 (0.979)	-14.36 (0.987)			
1C	25-Mar-86 08:53:00	25-Mar-86 09:16:00	F603250801	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-8.13 (0.972)			-22.31 (0.974)	-12.87 (0.973)			
1D	25-Mar-86 09:22:00	25-Mar-86 09:44:00	F603250801	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-9.00 (0.984)			-24.95 (0.958)	-17.45 (0.981)			
2	25-Mar-86 13:50:10	25-Mar-86 16:00:08	F603251302	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-5.55 (0.972)	-1.14 (0.507)	N/A	-18.22 (0.969)	-15.28 (0.939)	N/A	-10.84 (0.915)	N/A
2x	25-Mar-86 13:50:10	25-Mar-86 16:00:08	F603251302	200 to 220	NW, N, NE, E (partially contacted)	2.5 - 3 m, with rubble pile on North	-24	-5.55 (0.972)	-1.11 (0.507)		-18.29 (0.969)			-9.10 (0.857)	
3	22-May-86 08:39:08	22-May-86 09:52:39	F605220801	210	N, NE, E	2 - 3 m	-9	-4.58 (0.911)	-2.99 (0.656)	-24.84 (0.919)	-19.97 (0.955)	-19.14 (0.970)	-18.25 (0.795)	-12.51 (0.830)	-13.16 (0.344)
3A	22-May-86 09:37:00	22-May-86 09:52:39	F605220801	210	N, NE, E	2 - 3 m	-9		-5.49 (0.537)				-31.98 (0.812)	-15.80 (0.780)	N/A
3B	22-May-86 08:39:08	22-May-86 09:18:00	F605220801	210	N, NE, E	2 - 3 m	-9	-6.53 (0.847)		-25.57 (0.582)	-9.13 (0.514)	-18.10 (0.981)			
3C	22-May-86 09:18:00	22-May-86 09:52:39	F605220801	210	N, NE, E	2 - 3 m	-9	-4.37 (0.934)		-25.05 (0.982)	-20.00 (0.981)	-6.36 (0.896)			
4	22-May-86 09:52:43	22-May-86 13:57:43	D605220904*	210	N, NE, E	2 - 3 m	-9	-8.64 (0.700)	-10.51 (0.609)	3.56 (0.031)	-6.36 (0.024)	-25.46 (0.962)	-35.83 (0.830)	-29.57 (0.849)	-50.58 (0.780)
5	22-May-86 13:57:40	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-5.04 (0.904)	-5.83 (0.468)	-34.37 (0.778)	-32.55 (0.939)	-10.21 (0.787)	-27.93 (0.739)	-24.93 (0.766)	-24.88 (0.431)
5x	22-May-86 13:57:40	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-3.97 (0.823)			-22.49 (0.916)			-23.39 (0.708)	
5A	22-May-86 13:57:40	22-May-86 14:34:00	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9						-25.84 (0.733)		
5B	22-May-86 14:34:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9						-27.26 (0.757)		
5C	22-May-86 13:57:40	22-May-86 14:36:00	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9							-27.45 (0.642)	
5Cx	22-May-86 13:57:40	22-May-86 14:36:00	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9							-26.60 (0.610)	
5D	22-May-86 14:36:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9							-23.98 (0.837)	
5Dx	22-May-86 14:36:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9							-22.38 (0.766)	
5E	22-May-86 13:57:40	22-May-86 14:40:00	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9								-29.59 (0.547)
5F	22-May-86 14:40:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9								-12.86 (0.163)
5G	22-May-86 14:06:01	22-May-86 14:14:00	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9			-41.05 (0.905)					
5H	22-May-86 13:57:40	22-May-86 14:07:07	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-8.36 (0.883)			-39.10 (0.942)	-22.68 (0.929)			
5I	22-May-86 14:56:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9				-27.78 (0.727)				
5Ix	22-May-86 14:56:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9				-16.61 (0.706)				
5J	22-May-86 15:00:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-5.16 (0.914)			-20.56 (0.493)	-8.61 (0.751)			
5Jx	22-May-86 15:00:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-3.16 (0.869)			-15.35 (0.749)				
5K	22-May-86 14:49:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-4.49 (0.894)				-8.49 (0.667)			
5Kx	22-May-86 14:49:00	22-May-86 15:11:32	F605221301	240	N (50%), NE, E	3 - 4 m, with ridges up to 2 m	-9	-3.25 (0.789)							
6	02-Jun-86 13:02:17	02-Jun-86 14:16:45	F606021301	250	E	1.8 - 2.5 m	-1	-0.05 (0.027)	-7.76 (0.245)	4.55 (0.220)	2.24 (0.099)	-0.18 (0.018)	-23.29 (0.939)	-36.75 (0.747)	-9.94 (0.223)
7	02-Jun-86 20:16:33	02-Jun-86 21:24:33	F606022001	250	E	1.8 - 2.5 m	-2	-0.08 (0.405)	-5.46 (0.835)	-0.26 (0.001)	-3.37 (0.400)	-0.31 (0.049)	-22.15 (0.968)	-15.04 (0.649)	-21.60 (0.580)
7A	02-Jun-86 20:40:00	02-Jun-86 20:44:00	F606022001	250	E	1.8 - 2.5 m	-2		-7.55 (0.807)					-29.36 (0.818)	
8	12-May-86 03:09:43	12-May-86 04:21:02	F605120301	185	N, NE, E (sliding)	1.7 - 2 m, with ridges up to 2.5 m	-6	-4.44 (0.705)	0.07 (0.0003)	-16.38 (0.837)	-25.17 (0.863)	-16.80 (0.847)	-2.49 (0.068)	-29.58 (0.877)	0.94 (0.002)
8A	12-May-86 03:22:00	12-May-86 03:27:22	F605120301	185	N, NE, E (sliding)	1.7 - 2 m, with ridges up to 2.5 m	-6	-3.58 (0.709)							
9	12-Apr-86 11:15:59	12-Apr-86 12:29:31	F604121101	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-8.04 (0.884)				-1.34 (0.040)	-35.16 (0.966)	-26.11 (0.545)
9A	12-Apr-86 11:15:59	12-Apr-86 11:28:06	F604121101	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-9.22 (0.701)				-4.58 (0.203)	-42.47 (0.880)	-20.29 (0.595)

9B	12-Apr-86 11:51:00	12-Apr-86 12:00:00	F604121101	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23							-35.85 (0.977)	
9C	12-Apr-86 11:31:00	12-Apr-86 11:44:00	F604121101	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-7.40 (0.409)						-26.04 (0.391)
9D	12-Apr-86 11:49:00	12-Apr-86 11:59:00	F604121101	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-7.67 (0.857)						-19.37 (0.261)
10	12-Apr-86 14:19:35	12-Apr-86 14:35:50	F60412140A	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-22		-7.21 (0.793)				-29.68 (0.690)	-22.25 (0.736)	-15.31 (0.256)
10A	12-Apr-86 14:19:35	12-Apr-86 14:22:00	F60412140A	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-22		-6.62 (0.757)				-31.33 (0.600)	-18.35 (0.766)	-12.35 (0.713)
10B	12-Apr-86 14:22:00	12-Apr-86 14:35:50	F60412140A	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-22		-8.63 (0.862)				-27.08 (0.736)	-24.49 (0.733)	-19.99 (0.293)
11	12-Apr-86 12:47:27	12-Apr-86 14:01:04	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-4.53 (0.700)				-19.12 (0.728)	-21.46 (0.744)	-14.77 (0.386)
11x	12-Apr-86 12:47:27	12-Apr-86 14:01:04	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-4.05 (0.628)					-17.63 (0.663)	
11A	12-Apr-86 13:00:00	12-Apr-86 13:13:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23						-23.19 (0.663)	-26.93 (0.831)	
11B	12-Apr-86 13:38:00	12-Apr-86 13:53:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-5.78 (0.682)				-21.23 (0.674)	-23.02 (0.787)	
11Bx	12-Apr-86 13:38:00	12-Apr-86 13:53:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-5.14 (0.574)					-18.68 (0.611)	
11C	12-Apr-86 13:12:00	12-Apr-86 13:22:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23							-20.09 (0.738)	
11Cx	12-Apr-86 13:12:00	12-Apr-86 13:22:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23							-14.34 (0.739)	
11D	12-Apr-86 13:31:00	12-Apr-86 13:35:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23							-31.61 (0.774)	
11E	12-Apr-86 12:59:05	12-Apr-86 13:21:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23								-10.02 (0.200)
11F	12-Apr-86 13:00:00	12-Apr-86 13:24:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-3.74 (0.600)						
11Fx	12-Apr-86 13:00:00	12-Apr-86 13:24:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-3.37 (0.505)						
11G	12-Apr-86 13:30:00	12-Apr-86 13:54:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-4.57 (0.704)						
11Gx	12-Apr-86 13:30:00	12-Apr-86 13:54:00	F604121201	290	E (25%), SE, S (25%)	4 - 6 m, with extrusion up to 8m	-23		-4.08 (0.624)						

* results from Day files may be inaccurate

LEGEND:

4	= analysis of day file	5	= analysis of entire fast file	5A	= analysis of part of fast file
		5x	= analysis of entire fast file WITHOUT lower MEDOF panel	5Ax	= analysis of part of fast file WITHOUT lower MEDOF panel

Averages and Best Estimates of Strain Gauge and Extensometer Calibration Factors

Notes:
* For events which have both full file analysis and partial file analysis, only the value(s) of the calibration factor from partial file analysis are used when calculating average CF. The only exception when the R2 value is less than 0.7 for partial file analysis - in this case the CF for full file analysis is used.

* No DAY files are used - results from DAY files may be inaccurate

EXTENSOMETERS:	<u>N-S</u>	<u>E-W</u>
Average of values with R ² > 0.7 --->	-5.44	-7.38
Estimates from previous reports --->	-5.5 or -6	-5.5 or -6
ESTIMATES FOR THIS PROJECT:	-6	-6
(JUDGEMENT USED TO SELECT THIS VALUE)		

STRAIN GAUGES:	<u>N1</u>	<u>N2</u>	<u>N3</u>	<u>E1</u>	<u>E2</u>	<u>E3</u>
Average of values with R ² > 0.7 & h = 2-5 m --->	-27.49	-24.52	-14.65	-26.10	-23.34	N/A
Average of values with R ² > 0.7 & h = 5-6 m --->	N/A	N/A	N/A	-23.10	-27.85	-12.35
Estimates from previous reports --->	-24	-30	-22	-24	-30	-24
SG + 30%	-31.2	-39	-28.6	-31.2	-39	-31.2
SG - 30%	-16.8	-21	-15.4	-16.8	-21	-16.8
BEST ESTIMATES FOR THIS PROJECT:	<u>N1</u>	<u>N2</u>	<u>N3</u>	<u>E1</u>	<u>E2</u>	<u>E3</u>
Best estimates of values with ice thickness 2-5 m --->	23	26	20	23	26	23
Best estimates of values with ice thickness 5-6 m --->	27	32	24	27	32	27
(JUDGEMENT USED TO SELECT THIS VALUE)						