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Supplement of

The Cariboo Alpine Mesonet: sub-hourly hydrometeorological observations of British Columbia's Cariboo Mountains and surrounding area since 2006

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Table S1: Summary of instruments used at each CAMnet station.

STATION SPECIFICATIONS	TOWER	DATALOGGER	SPREAD SPECTRUM RADIO	SENSOR									
				Barometric Pressure Sensor	Relative Humidity & Air Temperature Probe	Temperature Probe	RM Young Wind Monitor	Tipping Bucket Rain Gauge	Alter-Type Wind Screen	Ultrasonic Distance Measurement	Water Content Reflectometer	Pyranometer / Radiometer	
Station 1: QRRC	Model	UT30	CR23X	RF401	61205V	HMP45C212	107B	05103-10	34-HT-P	260-953	SR50	CS616	CNR1
	Installation Date	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	June 2010	Sept. 2007	Aug. 2006	Oct. 2008	Sept. 2007	Aug. 2006
	Height	10 m				204 cm to top of shield		10 m	Heated		240 cm from crossarm		531 cm
Station 2: Spanish Mountain	Model	CM110	CR1000	RF401	61205V	HMP45C	107B	05103-10	TE525WS	260-953	SR50		
	Installation Date	Sept. 2009	June 2006	Aug. 2006	June 2006	June 2006	June 2006	July 2008	June 2006	June 2006	Sept. 2009		
	Height	3 m				195 cm to top of shield		265 cm			230 cm from crossarm		
Station 3: Browntop Mountain	Model	CM106	CR1000	RF401	61205V	HMP45C212	107B	05103-45			SR50A		
	Installation Date	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	Aug. 2006	June 2009			July 2012		
	Height	3 m				194 cm to top of shield		242 cm			240 cm from crossarm		
Station 4: Blackbear Mountain Radio Repeater	Model	CM106		RF401									
	Installation Date	Aug. 2006		Aug. 2006									
	Height	3 m											
Station 5: Upper Castle Creek Glacier	Model	CM106	CR1000	RF401	61205V-10	HMP60	107B	05103-10	TE-525USW	260-953	SR50		
	Installation Date	Aug. 2007	Aug. 2007	Aug. 2007	Sep. 2013	Sep. 2014	Aug. 2007	May 2010	July 2011	Aug. 2007	Sep. 2015		
	Height	3 m				209 cm to top of shield		275 cm			228 cm from crossarm		
Station 6: Mount Tom	Model	CM106	CR10X		61205V	HMP45C212	107B	05103-10	TE525WS		SR50A	CS616	CMP3 (x2)
	Installation Date	Sep. 2007	Sep. 2007		Sep. 2007	Sep. 2007	Sep. 2007	Feb. 2008	Sep. 2007		Sep. 2007	Oct. 2007	#1: Jan. 2008 #2: Feb. 2008
	Height	3 m				238 cm		241 cm			240 cm from crossarm		230 cm
Station 7: Lower Castle Creek Glacier	Model	CM120	CR1000	RF401	61205V	HMP45C (x2)	107B (x3)	05103-10 (x2)	TE525WS	260-953	SR50A		CMP3 / Precision Infrared Radiometer SI-111 (IRR-P)
	Installation Date	Aug. 2008	Aug. 2008	Aug. 2008	Aug. 2008	Aug. 2008	Aug. 2008	Aug. 2008	Aug. 2012	Aug. 2012	Aug. 2008		Aug. 2008
	Height	6 m				#1: 410 cm #2: 271 cm #3: 58 cm above top of shield	#1: 12 cm below ground #2: 18 cm above ground #3: 58 cm above ground	#1: 410 cm #2: 269 cm			330 cm from crossarm		490 cm / 330cm
Station 8: Castle Creek Glacier Radio Repeater	Model	CM106		RF401									
	Installation Date	Aug. 2009		Aug. 2009									
	Height	3 m											
Station 9: Ancient Forest	Model	CM110	CR1000			HMP45C212	107B	05103-10	TE525WS		SR50A	CS616 (x3)	CMP3
	Installation Date	Aug. 2015	Aug. 2013			Oct. 2009	Oct. 2009	Oct. 2009	Oct. 2009		Aug. 2013	Oct. 2009	Oct. 2009
	Height	3 m				238 cm to top of shield	Installed 500 cm away from tower	241 cm	160 cm		223 cm from crossarm	#1: 20 cm #2: 50 cm #3: 65 cm All 3 installed 635 cm away from tower	230 cm
Station 10: Lunate Creek	Model	CM106	CR1000			HMP45C212	107B	05103-10	TE525WS		SR50	CS616 (x3)	
	Installation Date	June 2002	June 2011			Sep. 2010	Sep. 2010	Sep. 2010	June 2010		Aug. 2013	Sep. 2010	
	Height	3 m				242 cm to top of shield	Installed 17 cm below ground	110 cm	110 cm		217 cm from crossarm	#1: 15 cm #2: 36 cm #3: 66 cm All 3 installed below ground	
Station 11: Lucille Mountain	Model	CM106	CR10X		61205V-10	HMP35C	107B (x3)	05103-10	TE525M		SR50		LI200R & LI190SB
	Installation Date	Sep. 1998	Sep. 1998		Sep. 1998	Sep. 1998	Sep. 1998	Sep. 2006	Sep. 2006		Sep. 2006		Sep. 2006
	Height	3 m				133 cm to top of shield		270 cm	88 cm		230 cm from crossarm		166 cm
Station 11: Lucille Mountain	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		RM Young	Vaisala Inc.	Campbell Scientific (Canada)	RM Young	Texas Electronics		Campbell Scientific (Canada)		LI-COR

Station 12: Upper Lunate Creek	Model	CM110	CR1000			HMP45C			TE525WS		SR50A		
	Installation Date	Aug. 2011	Aug. 2011			Aug. 2011			Aug. 2011		Aug. 2011		
	Height	3m									2m		
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)			Vaisala Inc.			Texas Electronics		Campbell Scientific (Canada)		
Station 13: Ness Lake	Model	CM110	CR1000		61302V	HMP60	109B	05103-10	TE525WS		SR50A		
	Installation Date	July 2012	July 2012		Aug. 2015	Sep. 2013	Oct. 2017	Aug. 2012	July 2012		July 2015		
	Height	3 m				212 cm to top of shield	#1: 20 cm below ground #2: 10 cm above ground		276 cm		206 cm from crossarm		
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		RM Young	Vaisala Inc.	Campbell Scientific (Canada)	RM Young	Texas Electronics		Campbell Scientific (Canada)		
Station 14: Coles Lake	Model	CM106	CR1000		61205V	HMP45C	109B (x3)	05103-10	TE525USW		SR50		CMP3
	Installation Date	June 2013	June 2013			June 2013	June 2013	June 2013	June 2013		June 2013		Feb. 2014
	Height	3 m				270 cm	#1: 18 cm below ground #2: 50 cm below ground #3: 15 cm above ground	293 cm	101 cm		259 cm		
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		RM Young	Vaisala Inc.	Campbell Scientific (Canada)	RM Young	Texas Electronics		Campbell Scientific (Canada)		Kipp & Zonen
Station 15: Kiskatinaw	Model	CM106	CR1000		61205V	HMP45C	109B (x3)	05103-10	TE525USW	260-953	SR50		CMP3
	Installation Date	Aug. 2015	Aug. 2015		Aug. 2015	Aug. 2015	Aug. 2015	Aug. 2015	Aug. 2015	Oct. 2015	Aug. 2015		Aug. 2015
	Height	3 m				245 cm to top of shield	#1: 24 cm below ground #2: 13 cm below ground #3: 27 cm above ground	287 cm	142 cm		252 cm from crossarm		245 cm
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		RM Young	Vaisala Inc.	Campbell Scientific (Canada)	RM Young	Texas Electronics	Novalynx	Campbell Scientific (Canada)		Kipp & Zonen
Station 16: Tatuk Lake	Model	CM110	CR1000		CS106	HMP45C212	109 (x2)	05103-10	TE525M		SR50A	CS616 (x3)	SP LITE2
	Installation Date	Sep. 2015	Sep. 2015		Sep. 2015	Sep. 2015	Sep. 2015	Sep. 2015	Sep. 2015		Sep. 2015	Sep. 2015	Sep. 2015
	Height	3 m				212 cm to top of shield	#1: 30 cm below ground #2: 58 cm above bare ground	251 cm	276 cm		235 cm from crossarm	#1: 11 cm #2: 21 cm #3: 37 cm All 3 installed below ground	306 cm
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		Vaisala Inc.	Vaisala Inc.	Campbell Scientific (Canada)	RM Young	Texas Electronics		Campbell Scientific (Canada)	Campbell Scientific (Canada)	Kipp & Zonen
Station 17: Plato Point	Model	CM106B	CR1000		CS106	HC-S3	109 (x2)	05103-10					SP LITE2
	Installation Date	Aug. 2016	Aug. 2016		Aug. 2016	Aug. 2016	Aug. 2016	Aug. 2016					Aug. 2016
	Height	3 m					#1: 19 cm above ground #2: 18 cm below ground	270 cm					260 cm
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		Vaisala Inc.	Rotronic	Campbell Scientific (Canada)	RM Young					Kipp & Zonen
Station 18: Long Creek	Model	CM106	CR1000		61205V	HMP45C	109B (x3)	05103-10					
	Installation Date	June 2017	June 2017		June 2017	June 2017	June 2017	June 2017					
	Height	3 m				278 cm to top of shield	#1: placed in water #2: 16 cm above ground #3: 22 cm below ground	287 cm					
	Manufacturer	Campbell Scientific (Canada)	Campbell Scientific (Canada)		RM Young	Vaisala Inc.	Campbell Scientific (Canada)	RM Young					

SUPPLEMENTAL FIGURES

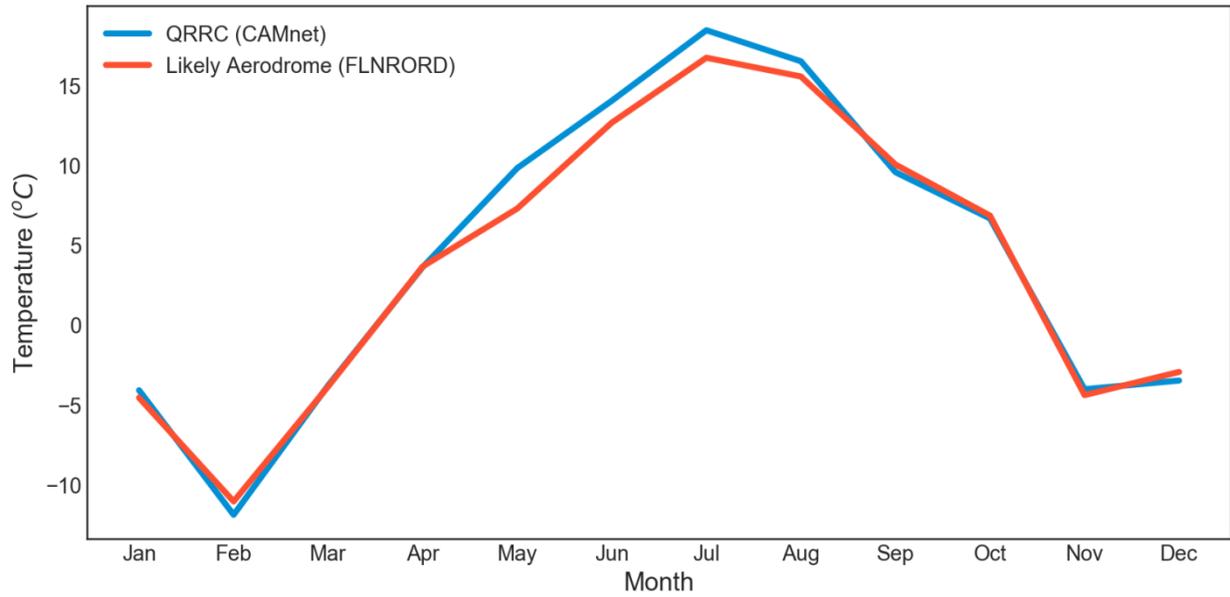


Figure S1: Mean monthly air temperature at the CAMnet QRRC and at the BC Ministry of FLNRORD Lively Aerodrome weather stations in 2014.

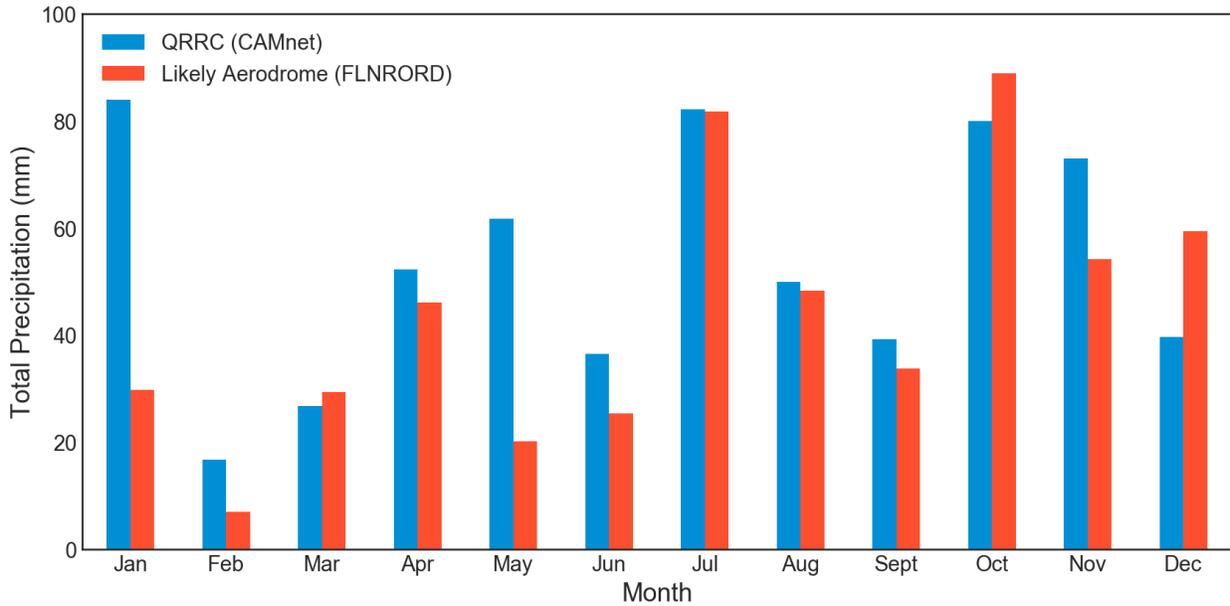


Figure S2: Total monthly precipitation at the CAMnet QRRC and at the BC Ministry of FLNRORD Lively Aerodrome weather stations in 2014.