

RINEX observation data		Monument	yyyy-mm-dd	h:m:s			%	d°m's"			meters						°		meters				
file		name	st_date	st_time	duration	type	reject	lat	long	elev	Σlat	Σlong	Σelev	er_maj	er_min	er_az	Ortho_H	UTM-N	UTM-E	Kind	Sequ		
01_2019_07_19_SLM_55_SW_corner.obs	SLM_55_SW_corner		2019-07-19	15:05:00.00	1:00:05	Fin		0 42°42'32.37033"	-71°48'19.26846"	233.32	0.13	0.36	0.69	0.45	0.15	-89	261.03	4732316.149	270256.735	1	1		
02_2019_08_03_SLM_56_ChurchillRd_2.obs	SLM_56_ChurchillRd_2		2019-08-03	14:08:25.00	1:01:15	Fin	0.27	0 42°42'31.62300"	-71°47'50.54387"	233.01	0.12	0.27	0.73	0.33	0.15	-89	260.73	4732271.406	270909.454	1	2		
03_2019_08_03_SLM_57_ReedRd_2.obs	SLM_57_ReedRd_2		2019-08-03	15:21:45.00	1:01:40	Fin	0	0 42°42'30.93422"	-71°47'24.26510"	198.23	0.25	0.28	0.75	0.42	0.20	87	225.96	4732230.370	271506.595	1	3		
04_2019_07_13_SLM_58_Rte_31.obs	SLM_58_Rte_31		2019-07-13	18:18:35.00	0:32:55	Fin	0	0 42°42'30.42872"	-71°47'5.47988"	201.81	0.26	0.35	0.91	0.44	0.32	89	229.55	4732200.663	271933.446	1	4		
05_2019_07_28_SLM_60_Mas_Ashby_Townsend.obs	SLM_60_Ashby-Twnsnd-Mason		2019-07-28	15:19:10.00	0:58:45	Fin	0.85	0 42°42'29.24942"	-71°46'21.22057"	127.56	0.32	0.39	1.17	0.57	0.26	87	155.31	4732131.136	272939.157	1	5		
06_2019_07_13_2_SLM_61_Rte_124S.obs	SLM_61_Rte_124S		2019-07-13	18:59:25.00	0:31:55	Fin	0	0 42°42'29.12538"	-71°46'16.30305"	104.63	0.15	0.16	0.55	0.21	0.16	-89	132.38	4732123.636	273050.906	1	6		
07_2019_07_13_3_SLM_62_ValleyRd.obs	SLM_62_ValleyRd		2019-07-13	19:42:55.00	0:31:20	Fin	0	0 42°42'26.91231"	-71°45'2.31824"	85.37	0.17	0.30	0.95	0.40	0.15	89	113.14	4732000.312	272731.854	1	7		
08_2019_07_29_SLM_63_RR.obs	SLM_63_RR		2019-07-29	15:20:00.00	2:11:05	Fin	0.06	0 42°42'26.41673"	-71°44'45.71456"	102.96	0.08	0.14	0.43	0.17	0.09	89	130.73	4731972.726	275109.097	1	8		
09_2019_07_15_SLM_64_TownsendRd.obs	SLM_64_TownsendRd		2019-07-15	17:23:00.00	0:32:50	Fin	0	0 42°42'24.31120"	-71°43'36.43321"	172.77	0.18	0.21	0.64	0.30	0.17	88	200.54	4731856.678	276683.183	1	9		
10_2019_07_16_SLM_65_Mason_SE_corner.obs	SLM_65_SE_corner		2019-07-16	19:48:40.00	0:47:05	Fin	0	0 42°42'21.46105"	-71°42'4.40362"	145.90	0.11	0.21	0.47	0.29	0.09	89	173.68	4731701.440	278774.103	1	10		
11_2019_08_02_TLM_BrooklineRd_2.obs	TLM_BrooklineRd_2		2019-08-02	19:27:25.00	1:03:45	Fin	0	0 42°44'19.76503"	-71°42'26.30787"	97.39	0.05	0.23	0.23	0.29	0.05	89	125.12	4735366.849	278392.841	2	11		
12_2019_07_30_GillmanHillRd_IP_1.obs	SM-GillmanHill_IP#1		2019-07-30	15:12:00.00	0:36:30	Fin	0	0 42°44'55.243601"	-71°42'45.71904"	107.48	0.34	0.34	1.04	0.47	0.37	-7	135.18	4738239.758	278043.399	4	12		
13_2019_07_25_SM_D-10_Beaver_dam.obs	SM_D-10_bever_dam		2019-07-25	17:26:00.00	0:30:40	Fin	0	0 42°44'55.765995"	-71°42'46.88792"	107.21	0.18	0.23	0.59	0.30	0.20	-89	134.90	4738373.999	278021.122	4	13		
14_2019_07_25_TLM_Mas_Brkin_Milf.obs	TLM_Mas_Brkin_Milf		2019-07-25	16:34:10.00	0:35:45	Fin	0	0 42°44'6.80272"	-71°42'49.35348"	119.59	0.17	0.20	0.68	0.27	0.18	89	147.27	4738741.131	277976.841	2	14		
15_2019_07_27_CC_Gate_Spost_MM.obs	CC_Gate_Spost_MM		2019-07-27	17:29:30.00	0:30:55	Fin	0	0 42°47'23.07226"	-71°43'3.16012"	125.41	0.17	0.26	0.80	0.34	0.19	89	153.07	4741048.496	277737.104	5	15		
16_2019_07_27_TLM_NE_MMW.obs	TLM_NE_corner_MMW		2019-07-27	15:32:30.00	1:29:20	Fin	0	0 42°47'50.73677"	-71°43'8.68055"	171.90	0.14	0.15	0.50	0.21	0.15	-85	199.55	4741905.946	277639.214	2	16		
17_2019_08_01_TLM_AbbottHillRd_2.obs	TLM_AbbottHillRd_2		2019-08-01	15:30:05.00	0:44:50	Fin	0.93	0 42°47'43.40625"	-71°44'21.08765"	224.32	0.20	0.15	0.68	0.26	0.17	0	251.97	4741733.084	275986.957	2	17		
18_2019_08_01_TLM_MitchellHillRd_2.obs	TLM_MitchellHillRd_2		2019-08-01	14:34:30.00	0:45:35	Fin	0	0 42°47'42.17480"	-71°44'32.49542"	227.21	0.24	0.37	0.77	0.48	0.27	-89	254.85	4741703.524	275726.557	2	18		
19_2019_08_01_TLM_StarchmillRd_2.obs	TLM_StarchMillRd_2		2019-08-01	16:25:10.00	0:49:45	Fin	0	0 42°47'36.15008"	-71°45'26.46867"	177.60	0.20	0.35	0.62	0.46	0.21	89	205.23	4741557.683	274494.292	2	19		
20_2019_07_26_TLM_NW_MGW.obs	TLM_NW_corner_MGW		2019-07-26	15:39:10.00	1:24:15	Fin	0	0 42°47'23.56109"	-71°47'23.73601"	184.11	0.16	0.15	0.45	0.24	0.13	1	211.72	4741257.018	271817.237	2	20		
21_2019_07_16_SM_NuttingHillRd_S.obs	SM_NuttingHillRd_S		2019-07-16	16:42:15.00	0:30:55	Fin	0	0 42°46'28.88846"	-71°47'12.91440"	293.99	0.33	0.27	1.31	0.42	0.33	0	321.62	4739562.318	272007.343	4	21		
22_2019_07_16_SM_GreenvilleRd_N.obs	SM_GreenvilleRd_N		2019-07-16	15:57:40.00	0:30:55	Fin	0	0 42°46'16.55594"	-71°47'10.13187"	274.61	0.54	0.59	1.57	0.78	0.62	84	302.25	4739179.789	272058.005	4	22		
23_2019_08_03_SM_DH_MerriamHillRd_2.obs	DH_TLM_MerriamHillRd_2		2019-08-03	22:04:40.00	1:01:00	Fin	0	0 42°44'24.43966"	-71°46'47.09122"	224.47	0.09	0.19	0.29	0.24	0.11	-89	252.15	4735703.905	272467.651	4	23		
24_2019_07_15_TLM_Gvl_SE_corner.obs	TLM_Gvl_SE_corner		2019-07-15	15:46:40.00	1:12:40	Fin	0	0 42°43'42.89225"	-71°46'38.52636"	215.04	0.05	0.09	0.23	0.11	0.06	89	242.74	4734415.826	272620.210	2	24		
25_2019_07_29_HWY_1.obs	HWY_1_WlkrBrkRd		2019-07-29	20:19:45.00	0:36:20	Fin	0.23	0 42°43'39.65559"	-71°47'10.28139"	181.71	0.08	0.51	0.65	0.64	0.10	-89	209.41	4734339.791	271894.716	3	25		
26_2019_07_29_HWY_2.obs	HWY_2_Rte31_Eside		2019-07-29	20:59:30.00	0:47:55	Fin	0.52	0 42°43'39.60646"	-71°47'10.84115"	180.94	0.22	0.55	0.89	0.73	0.16	-89	208.65	4734338.696	271881.935	3	26		
27_2019_07_14_10_Hwy_Rte_31_Wside.obs	HWY_3_Rte_31_Wside		2019-07-14	18:43:15.00	0:32:00	Fin	0	0 42°43'39.46906"	-71°47'12.16160"	183.16	0.27	0.45	1.48	0.58	0.31	89	210.86	4734335.449	271851.764	3	27		
28_2019_07_14_7_TLM_Rte_124_N.obs	TLM_Rte_124_N		2019-07-14	16:12:05.00	0:31:00	Fin	0	0 42°43'34.13995"	-71°48'4.23378"	229.28	0.33	0.43	0.79	0.57	0.36	-88	256.97	4734210.271	270662.021	2	28		
29_2019_07_24_Grnlv_Mas_NI.obs	TLM_Grnlv_Mas_NI		2019-07-24	19:10:30.00	1:04:20	Fin	0	0 42°43'31.36002"	-71°48'31.52997"	238.15	0.04	0.08	0.12	0.11	0.03	89	265.83	4734145.153	270038.350	2	29		
30_2019_07_17_TLM_MarcelRd.obs	TLM_MarcelRd		2019-07-17	15:41:30.00	0:32:05	Fin	0	0 42°43'15.60636"	-71°48'28.50418"	251.05	0.21	0.35	0.78	0.43	0.27	89	278.74	4733656.889	270090.998	2	30		
59_SLM_2020_04_29.obs	SLM_59_IP		2020-04-29	19:02:55.00	0:31:20	24h	0	0 42°42'29.73106"	-71°46'38.50935"	214.935	0.168	0.443	0.592	0.553	0.209	-89	242.677	4732158.925	272546.322	5	59		
Notes																							
Σlat, Σlong, Σelev are 95% are CSRS-PPP calculated SIG_PPP(95%) errors in Latitude, Longitude and Elevation, respectively, all in meters																							
er_maj, er_min are length in meters of semi-major and semi-minor axes of 95% probability error ellipses																							
er_ax is azimuth to nearest degree of semi-major error ellipse axis																							
Ortho-H, UTM-N, UTM-E are Orthometric Height, Northing and Easting in UTM 19N CRS																							
Kind is monument code: 1=state line, 2=town line, 3=NH Highway, 4=Survey marker, 5=special																							